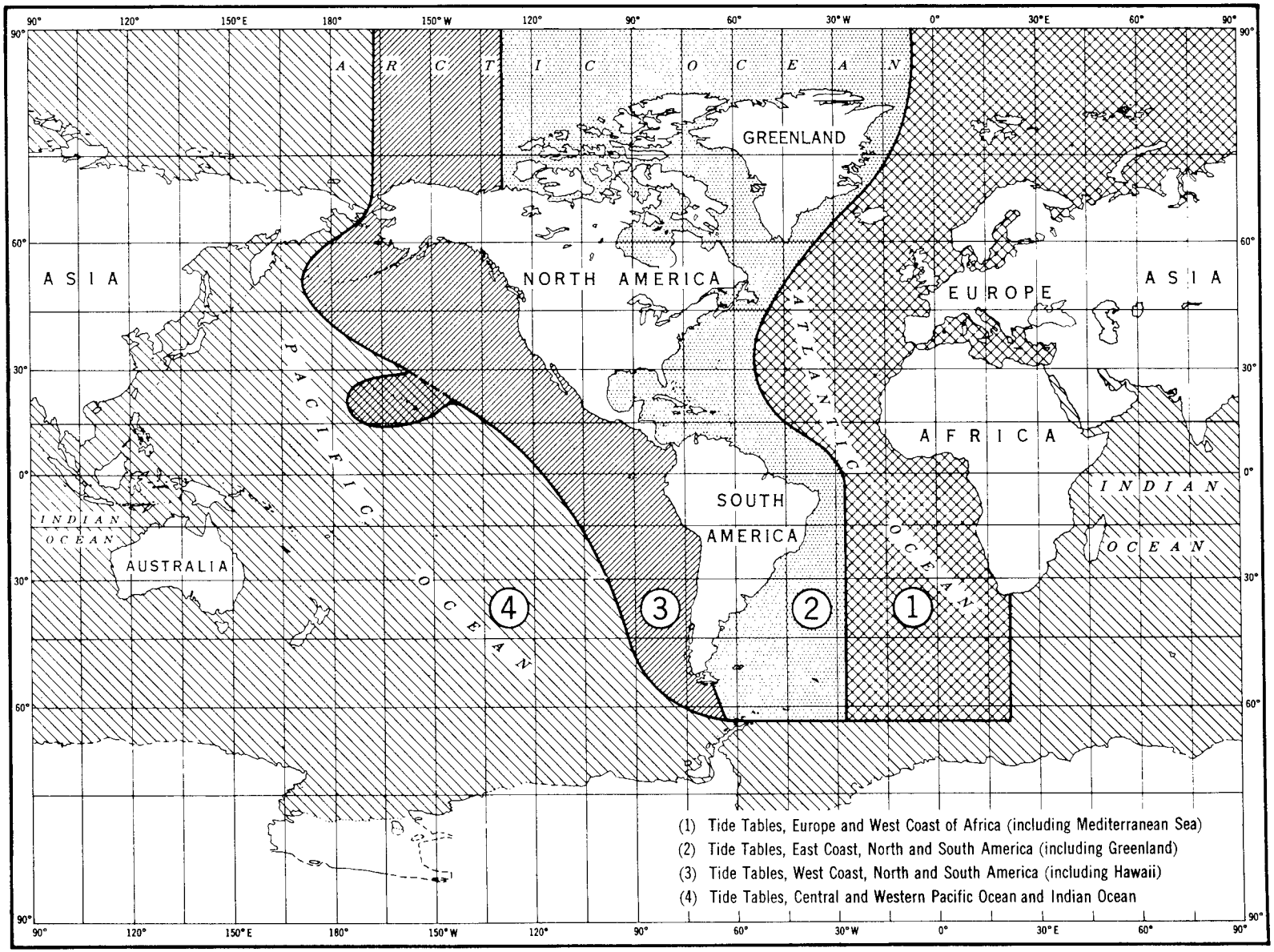
Tide Tables 1983 HIGH AND LOW WATER PREDICTIONS

East Coast of North and South America

Including Greenland

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Survey

INDEX OF TIDE TABLE COVERAGE



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Including Greenland

Issued 1982

U. S. DEPARTMENT OF COMMERCE
Malcolm Baldrige, Secretary

National Oceanic and Atmospheric Administration
John V. Byrne, Administrator

National Ocean Survey
Herbert R. Lippold, Jr., Director

Tide Tables, Tidal Current Tables, Tidal Current Charts, United States Coast Pilots, Distance Tables, and Nautical Charts are for sale by the National Ocean Survey, Rockville, MD 20852. A list of other sales agents appears semiannually in the Notice to Mariners, published weekly by the Defense Mapping Agency, Hydrographic Center or may be obtained on request from the National Ocean Survey.

Corrections to this publication, after the date of printing, may appear in the quarterly summaries numbered 13, 26, 39, and 52 of the Notice to Mariners. They may also appear in the Local Notice to Mariners published weekly by the various United States Coast Guard Districts.

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IMPORTANT NOTICE

For the most part, tide predictions for U.S. reference stations are based upon analyses of tide observations for periods of at least one year. Since the extremes of meteorological conditions have been excluded from the analyses and predictions, the predicted tidal heights should be considered those expected under average weather conditions. The mariner must be cautioned that during times when weather conditions differ from what is considered average for the area, corresponding differences between predicted levels and those actually observed will be noted. Generally, prolonged onshore winds or a low barometric pressure can produce higher levels than predicted, while the opposite can result in lower levels than those predicted.

Exclusive of weather conditions, the astronomical tide is subject to range variations which should be noted. Decreased ranges may be expected near the times when the Moon is in apogee (apogean tides) or in quadrature (neap tides) and increased ranges when the Moon is in perigee (perigean tides) or in a new or full position (spring tides). A larger diurnal range may also result when the Moon is in its maximum declination (tropic tides). The actual range will depend upon the extent to which combinations of these positions reinforce or detract one from the other. The effect of these astronomical lineups is included in the predictions and may be apparent upon inspection.

The mariner may be kept aware of the times of these astronomical events by referring to the astronomical data listed in this book. He should realize, however, that there is generally a time lag from a few hours to several days from the time of the astronomical event to the time of the resultant tide. During times of storm surges or when extreme weather conditions are imminent, it would be prudent for the mariner to keep closely advised by local weather forecasts as they relate to the effects upon the tide levels.

TIDE TABLES

INTRODUCTION

Tide tables for the use of mariners have been published by the National Ocean Survey (formerly the Coast and Geodetic Survey) since 1853. For a number of years these tables appeared as appendixes to the annual reports of the Superintendent of the Survey, and consisted of more or less elaborated means for enabling the mariner to make his own prediction of tides as occasion arose.

The first tables to give predictions for each day were those for the year 1867. They gave the times and heights of high waters only and were published in two separate parts, one for the Atlantic coast and the other for the Pacific coast of the United States. Together they contained daily predictions for 19 stations and tidal differences for 124 stations. A few years later predictions for the low waters were also included, and for the year 1896 the tables were extended to include the entire maritime world, with full predictions for 70 ports and tidal differences for about 3,000 stations.

The tide tables are now issued in four volumes, as follows: *Europe and West Coast of Africa (including the Mediterranean Sea); East Coast of North and South America (including Greenland); West Coast of North and South America (including the Hawaiian Islands); Central and Western Pacific Ocean and Indian Ocean.* Together, they contain daily predictions for 198 reference ports and differences and other constants for about 6,000 stations.

This edition of the *Tide Tables, East Coast of North and South America* contains full daily predictions for 48 reference ports and differences and other constants for about 2,000 stations in North America, South America, and Greenland. It also contains a table for obtaining the approximate height of the tide at any time, a table of local mean time of sunrise and sunset for every 5th day of the year for different latitudes, a table for the reduction of local mean time to standard time, a table of moonrise and moonset for 8 places, a table of the Greenwich mean time of the Moon's phases, apogee, perigee, greatest north and south and zero declination, and the time of the solar equinoxes and solstices, and a glossary of terms.

Up to and including the tide tables for the year 1884, all the tide predictions were computed by means of auxiliary tables and curves constructed from the results of tide observations at the different ports. From 1885 to 1911, inclusive, the predictions were generally made by means of the Ferrel tide-predicting machine. From 1912 to 1965, inclusive, they were made by means of the Coast and Geodetic Survey tide predicting machine No. 2. Since 1966, predictions have been made by electronic computer.

In the preparation of these tables all available observations were used. In some cases, however, the observations were insufficient for obtaining final results, and as further information becomes available it will be included in subsequent editions. All persons using these tables are invited to send information or suggestions for increasing their usefulness to the Director, National Ocean Survey, Rockville, MD 20852, U.S.A.

In accordance with cooperative arrangements for the exchange of tide predictions, the authorities given below have furnished the predictions for the following stations in the present issue:

Canadian Hydrographic Service.—Harrington Harbour, Quebec, Halifax, St. John, Pictou, and Argentia.

Directoria de Hidrografia e Navegacao, Brazil.—Recife, Rio de Janeiro, and Santos.

Servicio Hidrografico, Argentina.—Buenos Aires, Puerto Belgrano, Comodoro Rivadavia, and Punta Loyola.

LIST OF REFERENCE STATIONS

Name of Station	Datum below mean sea level	Page	Name of Station	Datum below mean sea level	Page
	Feet			Feet	
Albany, N.Y.	*2.5	60	Pensacola, Fla.	0.6	128
Amuay, Venezuela	0.6	156	Philadelphia, Pa.	*3.2	76
Argentia, Newfoundland	4.3	4	Pictou, Nova Scotia	3.9	8
Baltimore, Md.	0.6	80	Portland, Maine	4.5	32
Boston, Mass.	4.9	36	Puerto Belgrano, Argentina	8.0	184
Breakwater Harbor, Del.	2.1	68	Punta Gorda, Venezuela	3.3	160
Bridgeport, Conn.	3.4	48	Punta Loyola, Argentina	20.3	192
Buenos Aires, Argentina	2.6	180	Quebec, Quebec	*8.5	16
Charleston, S.C.	2.7	96	Recife, Brazil	3.7	168
Comodoro Rivadavia, Argentina	10.3	188	Reedy Point, Del.	2.8	72
Cristobal, Panama	0.4	144	Rio de Janeiro, Brazil	2.2	172
Eastport, Maine	9.2	28	St. John, New Brunswick	14.5	24
Galveston, Tex.	0.8	136	St. Marks River Entrance, Fla.	1.8	124
Halifax, Nova Scotia	4.3	20	St. Petersburg, Fla.	1.2	120
Hampton Roads, Va.	1.2	88	Sandy Hook, N.J.	2.3	64
Harrington Harbour, Quebec	3.5	12	San Juan, Puerto Rico	0.6	148
Isla Zapara, Venezuela	2.7	152	Santos, Brazil	2.5	176
Key West, Fla.	0.9	116	Savannah, Ga.	*4.0	104
Mayport, Fla.	2.3	108	Savannah River Entrance, Ga.	3.6	100
Miami Harbor Entrance, Fla.	1.3	112	Suriname Rivier, Surinam	4.3	164
Mobile, Ala.	0.8	132	Tampico Harbor, Mexico	0.8	140
New London, Conn.	1.3	44	Washington, D.C.	*1.4	84
Newport, R.I.	1.6	40	Willets Point, N.Y.	3.6	52
New York, N.Y.	2.3	56	Wilmington, N.C.	*2.2	92

* Datum below mean river level.

Each datum figure above represents the difference in elevation between the local mean sea (or river) level and the reference level from which the predicted heights in table 1 were calculated.

Local mean sea level datum should not be confused with the National Geodetic Vertical Datum which is the datum of the geodetic level net of the United States. Relationships between geodetic and local tidal datums are published in connection with the tidal bench mark data of the National Ocean Survey.

TABLE 1.—DAILY TIDE PREDICTIONS

EXPLANATION OF TABLE

This table contains the predicted times and heights of the high and low waters for each day of the year at a number of places which are designated as *reference stations*. By using tidal differences from table 2, one can calculate the approximate times and heights of the tide at many other places which are called subordinate stations. Instructions on the use of the tidal differences are found in the explanation of table 2.

High water is the maximum height reached by each rising tide, and low water is the minimum height reached by each falling tide. High and low waters can be selected from the predictions by the comparison of consecutive heights. Because of diurnal inequality at certain places, however, there may be a difference of only a few tenths of a foot between one high water and low water of a day, but a marked difference in height between the other high water and low water. It is essential, therefore, in using the tide tables to note carefully the heights as well as the times of the tides.

Time.—The kind of time used for the predictions at each reference station is indicated by the time meridian at the bottom of each page. Daylight saving time is not used in this publication.

Datum.—The datum from which the predicted heights are reckoned is the same as that used for the charts of the locality. The datum for the Atlantic coast of the United States is mean low water. For foreign coasts a datum approximating to mean low water springs, Indian spring low water, or the lowest possible low water is generally used. The depression of the datum below mean sea level for each of the reference stations of this volume is given on the preceding page.

Depth of water.—The nautical charts published by the United States and other maritime nations show the depth of water as referred to a low water datum corresponding to that from which the predicted tidal heights are reckoned. To find the actual depth of water at any time the height of the tide should be added to the charted depth. If the height of the tide is negative—that is, if there is a minus sign (—) before the tabular height—it should be subtracted from the charted depth. For any time between high and low water, the height of the tide may be estimated from the heights of the preceding and following tides, or table 3 may be used. The reference stations in table 1 now contain the heights in meters as well as feet.

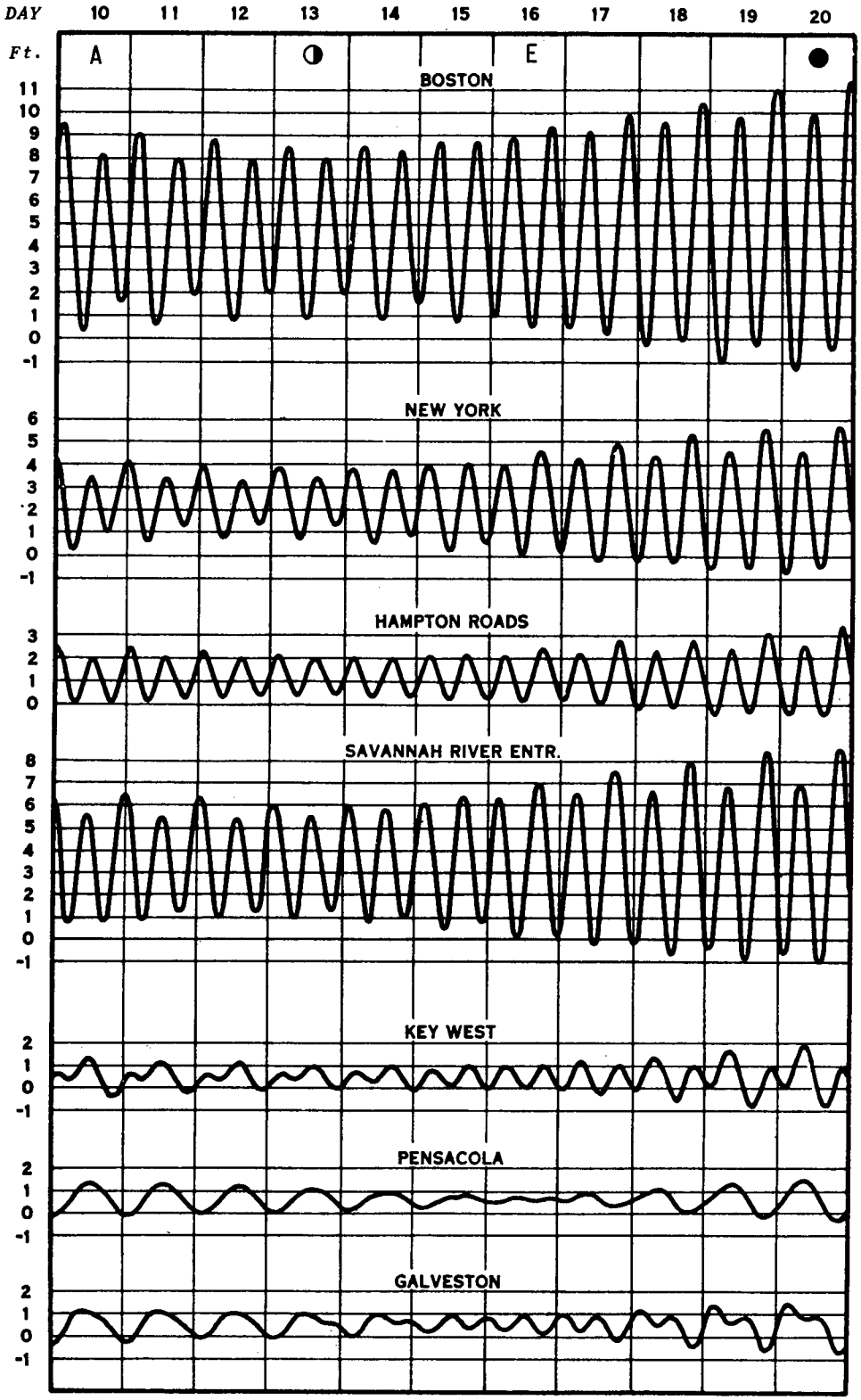
Variation in sea level.—Changes in winds and barometric conditions cause variations in sea level from day to day. In general, with onshore winds or a low barometer the heights of both the high and low waters will be higher than predicted while with offshore winds or a high barometer they will be lower. There are also seasonal variations in sea level, but these variations have been included in the predictions for each station. At ocean stations the seasonal variation in sea level is usually less than half a foot.

At stations on tidal rivers the average seasonal variation in river level due to freshets and droughts may be considerably more than a foot. The predictions for these stations include an allowance for this seasonal variation representing average freshet and drought conditions. Unusual freshets or droughts, however, will cause the tides to be higher or lower, respectively, than predicted.

Number of tides.—There are usually two high and two low waters in a day. Tides follow the Moon more closely than they do the Sun, and the lunar or tidal day is about 50 minutes longer than the solar day. This causes the tide to occur later each day, and a tide that has occurred near the end of one calendar day will be followed by a corresponding tide that may skip the next day and occur in the early morning of the third day. Thus on certain days of each month only a single high or a single low water occurs. At some stations, during portions of each month, the tide becomes diurnal—that is, only one high and one low water will occur during the period of a lunar day.

Relation of tide to current.—In using these tables of tide predictions it must be borne in mind that they give the times and heights of high and low waters and *not* the times of turning of the current or slack water. For stations on the outer coast there is usually but little difference between the time of high or low water and the beginning of ebb or flood current, but for places in narrow channels, landlocked harbors, or on tidal rivers, the time of slack water may differ by several hours from the time of high or low water stand. The relation of the times of high and low water to the turning of the current depends upon a number of factors, so that no simple or general rule can be given. For the predicted times of slack water reference should be made to the tidal current tables published by the National Ocean Survey in two separate volumes, one for the Atlantic coast of North America and the other for the Pacific coast of North America and Asia.

Typical tide curves.—The variations in the tide from day to day and from place to place are illustrated on the opposite page by the tide curves for representative ports along the Atlantic and Gulf coasts of the United States. It will be noted that the range of tide for stations along the Atlantic coast varies from place to place but that the type is uniformly semidiurnal with the principal variations following the changes in the Moon's distance and phase. In the Gulf of Mexico, however, the range of tide is uniformly small but the type of tide differs considerably. At certain ports such as Pensacola there is usually but one high and one low water a day while at other ports such as Galveston the inequality is such that the tide is semidiurnal around the times the Moon is on the Equator but becomes diurnal around the times of maximum north or south declination of the Moon. In the Gulf of Mexico, consequently, the principal variations in the tide are due to the changing declination of the Moon. Key West, at the entrance to the Gulf of Mexico, has a type of tide which is a mixture of semidaily and daily types. Here the tide is semidiurnal but there is considerable inequality in the heights of high and low waters. By reference to the curves it will be seen that where the inequality is large there are times when there is but a few tenths of a foot difference between high water and low water.



A discussion of these curves is given on the preceding page.

Lunar data: A - Moon in apogee
◑ - last quarter
E - Moon on Equator
● - new Moon

ARGENTIA, NEWFOUNDLAND, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft	Height m	Day	Time	Height ft	Height m
	h m				h m		
1	0240	1.2	0.4	16	0255	2.2	0.7
Sa	0930	8.7	2.7	Su	0935	7.8	2.4
	1525	1.5	0.5		1530	2.2	0.7
	2210	7.0	2.1		2135	6.7	2.0
2	0330	1.3	0.4	17	0335	2.2	0.7
Su	1030	8.5	2.6	M	1000	7.7	2.3
	1610	1.7	0.5		1610	2.2	0.7
	2300	6.9	2.1		2215	6.6	2.0
3	0415	1.5	0.5	18	0410	2.2	0.7
M	1115	8.2	2.5	Tu	1050	7.4	2.3
	1650	1.9	0.6		1635	2.3	0.7
	2355	6.7	2.0		2255	6.6	2.0
4	0510	1.8	0.5	19	0435	2.3	0.7
Tu	1220	7.7	2.3	W	1125	7.2	2.2
	1730	2.3	0.7		1705	2.3	0.7
					2345	6.6	2.0
5	0050	6.6	2.0	20	0510	2.4	0.7
W	0555	2.2	0.7	Th	1200	6.8	2.1
	1315	7.2	2.2		1730	2.4	0.7
	1825	2.7	0.8				
6	0150	6.5	2.0	21	0015	6.7	2.0
Th	0700	2.6	0.8	F	0555	2.6	0.8
	1425	6.7	2.0		1240	6.5	2.0
	1920	3.0	0.9		1815	2.4	0.7
7	0255	6.5	2.0	22	0115	6.7	2.0
F	0900	2.9	0.9	Sa	0650	2.8	0.9
	1515	6.3	1.9		1340	6.2	1.9
	2145	3.1	0.9		1915	2.5	0.8
8	0350	6.6	2.0	23	0215	6.8	2.1
Sa	1020	2.9	0.9	Su	0800	3.0	0.9
	1615	6.1	1.9		1450	6.1	1.9
	2230	3.0	0.9		2020	2.5	0.8
9	0445	6.7	2.0	24	0335	7.0	2.1
Su	1100	2.9	0.9	M	0925	3.0	0.9
	1710	6.0	1.8		1625	6.2	1.9
	2255	2.9	0.9		2145	2.4	0.7
10	0540	6.9	2.1	25	0455	7.3	2.2
M	1150	2.8	0.9	Tu	1115	2.6	0.8
	1800	6.1	1.9		1720	6.5	2.0
	2340	2.8	0.9		2300	2.1	0.6
11	0620	7.1	2.2	26	0545	7.7	2.3
Tu	1230	2.7	0.8	W	1225	2.2	0.7
	1835	6.3	1.9		1815	6.8	2.1
12	0010	2.6	0.8	27	0000	1.8	0.5
W	0710	7.4	2.3	Th	0655	8.1	2.5
	1310	2.6	0.8		1320	1.9	0.6
	1910	6.4	2.0		1920	7.1	2.2
13	0050	2.5	0.8	28	0055	1.6	0.5
Th	0745	7.6	2.3	F	0745	8.5	2.6
	1345	2.4	0.7		1410	1.5	0.5
	1955	6.6	2.0		2005	7.2	2.2
14	0130	2.4	0.7	29	0200	1.4	0.4
F	0825	7.7	2.3	Sa	0830	8.7	2.7
	1430	2.3	0.7		1450	1.4	0.4
	2020	6.7	2.0		2100	7.3	2.2
15	0220	2.3	0.7	30	0240	1.2	0.4
Sa	0855	7.8	2.4	Su	0925	8.6	2.6
	1510	2.2	0.7		1515	1.3	0.4
	2100	6.7	2.0		2155	7.3	2.2
				31	0320	1.2	0.4
				M	1015	8.4	2.6
					1600	1.4	0.4
					2235	7.2	2.2

FEBRUARY

Day	Time	Height ft	Height m	Day	Time	Height ft	Height m
	h m				h m		
1	0405	1.1	0.3	16	0355	1.6	0.5
Tu	1100	8.1	2.5	W	1015	7.4	2.3
	1625	1.5	0.5		1610	1.7	0.5
	2325	7.0	2.1		2225	7.1	2.2
2	0455	1.3	0.4	17	0420	1.7	0.5
W	1150	7.5	2.3	Th	1050	7.1	2.2
	1710	1.8	0.5		1640	1.6	0.5
					2300	7.1	2.2
3	0025	6.8	2.1	18	0455	1.8	0.5
Th	0525	1.8	0.5	F	1130	6.8	2.1
	1235	6.9	2.1		1715	1.7	0.5
	1750	2.2	0.7		2355	7.0	2.1
4	0120	6.7	2.0	19	0540	2.0	0.6
F	0625	2.3	0.7	Sa	1215	6.4	2.0
	1330	6.4	2.0		1745	1.8	0.5
	1825	2.7	0.8				
5	0215	6.5	2.0	20	0055	6.9	2.1
Sa	0720	2.8	0.9	Su	0620	2.3	0.7
	1435	5.9	1.8		1310	6.1	1.9
	1915	3.0	0.9		1840	2.0	0.6
6	0310	6.4	2.0	21	0145	6.9	2.1
Su	0905	3.2	1.0	M	0720	2.7	0.8
	1530	5.6	1.7		1430	5.9	1.8
	2055	3.2	1.0		1950	2.3	0.7
7	0405	6.4	2.0	22	0305	6.9	2.1
M	1025	3.3	1.0	Tu	0855	2.9	0.9
	1630	5.6	1.7		1545	5.9	1.8
	2200	3.2	1.0		2105	2.4	0.7
8	0505	6.5	2.0	23	0420	7.0	2.1
Tu	1125	3.2	1.0	W	1100	2.6	0.8
	1735	5.7	1.7		1710	6.1	1.9
	2310	3.1	0.9		2230	2.3	0.7
9	0610	6.7	2.0	24	0540	7.4	2.3
W	1220	3.0	0.9	Th	1210	2.2	0.7
	1820	6.0	1.8		1810	6.6	2.0
	2355	2.9	0.9		2355	2.0	0.6
10	0655	7.0	2.1	25	0635	7.8	2.4
Th	1255	2.7	0.8	F	1310	1.7	0.5
	1855	6.3	1.9		1905	7.0	2.1
11	0050	2.6	0.8	26	0055	1.6	0.5
F	0725	7.3	2.2	Sa	0740	8.2	2.5
	1335	2.4	0.7		1345	1.3	0.4
	1930	6.6	2.0		1955	7.3	2.2
12	0130	2.3	0.7	27	0150	1.2	0.4
Sa	0805	7.6	2.3	Su	0815	8.4	2.6
	1415	2.2	0.7		1430	1.1	0.3
	2005	6.8	2.1		2045	7.5	2.3
13	0215	2.1	0.6	28	0230	0.9	0.3
Su	0845	7.8	2.4	M	0900	8.4	2.6
	1435	2.0	0.6		1455	1.0	0.3
	2035	7.0	2.1		2125	7.5	2.3
14	0245	1.9	0.6				
M	0900	7.8	2.4				
	1500	1.8	0.5				
	2110	7.1	2.2				
15	0315	1.7	0.5				
Tu	0945	7.7	2.3				
	1530	1.7	0.5				
	2145	7.1	2.2				

MARCH

Day	Time	Height ft	Height m	Day	Time	Height ft	Height m
	h m				h m		
1	0305	0.8	0.2	16	0300	1.4	0.4
Tu	0945	8.1	2.5	W	0925	7.4	2.3
	1525	1.1	0.3		1500	1.3	0.4
	2215	7.4	2.3		2125	7.4	2.3
2	0355	0.8	0.2	17	0325	1.3	0.4
W	1030	7.7	2.3	Th	0955	7.2	2.2
	1605	1.3	0.4		1545	1.3	0.4
	2305	7.2	2.2		2215	7.4	2.3
3	0420	1.1	0.3	18	0355	1.3	0.4
Th	1120	7.1	2.2	F	1030	6.9	2.1
	1640	1.6	0.5		1610	1.1	0.3
	2355	7.0	2.1		2255	7.4	2.3
4	0515	1.6	0.5	19	0430	1.4	0.4
F	1215	6.5	2.0	Sa	1105	6.6	2.0
	1700	2.0	0.6		1645	1.3	0.4
					2335	7.2	2.2
5	0040	6.7	2.0	20	0515	1.6	0.5
Sa	0555	2.1	0.6	Su	1155	6.2	1.9
	1310	6.0	1.8		1725	1.4	0.4
	1745	2.4	0.7				
6	0140	6.4	2.0	21	0020	7.0	2.1
Su	0630	2.8	0.9	M	0550	2.0	0.6
	1355	5.6	1.7		1255	5.9	1.8
	1835	3.0	0.9		1800	1.8	0.5
7	0235	6.2	1.9	22	0125	6.8	2.1
M	0830	3.3	1.0	Tu	0645	2.5	0.8
	1500	5.3	1.6		1405	5.7	1.7
	1930	3.3	1.0		1900	2.3	0.7
8	0335	6.0	1.8	23	0235	6.6	2.0
Tu	1030	3.4	1.0	W	0815	2.8	0.9
	1610	5.3	1.6		1535	5.7	1.7
	2205	3.4	1.0		2030	2.6	0.8
9	0445	6.1	1.9	24	0410	6.7	2.0
W	1125	3.2	1.0	Th	1115	2.4	0.7
	1710	5.5	1.7		1655	6.0	1.8
	2305	3.3	1.0		2300	2.4	0.7
10	0545	6.4	2.0	25	0525	7.0	2.1
Th	1200	2.9	0.9	F	1200	1.9	0.6
	1755	5.8	1.8		1805	6.5	2.0
11	0000	2.9	0.9	26	0015	1.9	0.6
F	0630	6.7	2.0	Sa	0630	7.4	2.3
	1245	2.6	0.8		1245	1.5	0.5
	1830	6.2	1.9		1855	7.0	2.1
12	0045	2.6	0.8	27	0055	1.4	0.4
Sa	0715	7.1	2.2	Su	0725	7.7	2.3
	1315	2.3	0.7		1325	1.2	0.4
	1905	6.6	2.0		1940	7.4	2.3
13	0125	2.2	0.7	28	0140	1.0	0.3
Su	0745	7.3	2.2	M	0800	7.9	2.4
	1355	2.0	0.6		1400	1.0	0.3
	1950	6.9	2.1		2020	7.6	2.3
14	0155	1.8	0.5	29	0225	0.7	0.2
M	0815	7.5	2.3	Tu	0855	7.8	2.4
	1415	1.7	0.5		1430	0.9	0.3
	2020	7.2	2.2		2100	7.7	2.3
15	0230	1.6	0.5	30	0255	0.7	0.2
Tu	0855	7.6	2.3	W	0935	7.5	2.3
	1445	1.5	0.5		1505	1.0	0.3
	2050	7.4	2.3		2155	7.6	2.3
				31	0335	0.8	0.2
				Th	1015	7.1	2.2
					1540	1.2	0.4
					2235	7.4	2.3

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to the datum of N.O.S. charts.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0415	1.0	0.3	16 Sa	0350	1.0	0.3
	1045	6.6	2.0		1010	6.7	2.0
	1600	1.3	0.4		1545	0.8	0.2
	2315	7.0	2.1		2240	7.5	2.3
2 Sa	0450	1.4	0.4	17 Su	0420	1.2	0.4
	1130	6.1	1.9		1055	6.3	1.9
	1655	1.7	0.5		1620	1.0	0.3
					2325	7.3	2.2
3 Su	0010	6.7	2.0	18 M	0455	1.4	0.4
	0525	1.9	0.6		1150	5.9	1.8
	1220	5.6	1.7		1710	1.3	0.4
	1725	2.2	0.7				
4 M	0100	6.3	1.9	19 Tu	0015	7.0	2.1
	0615	2.6	0.8		0630	2.4	0.7
	1335	5.3	1.6		1250	5.6	1.7
	1805	2.8	0.9		1755	1.8	0.5
5 Tu	0200	6.0	1.8	20 W	0115	6.7	2.0
	0715	3.2	1.0		0630	2.4	0.7
	1445	5.2	1.6		1420	5.5	1.7
	1910	3.3	1.0		1900	2.4	0.7
6 W	0305	5.9	1.8	21 Th	0230	6.5	2.0
	0945	3.2	1.0		1000	2.5	0.8
	1545	5.2	1.6		1540	5.7	1.7
	2150	3.4	1.0		2130	2.5	0.8
7 Th	0410	5.9	1.8	22 F	0345	6.5	2.0
	1055	3.1	0.9		1100	2.2	0.7
	1635	5.4	1.6		1640	6.1	1.9
	2250	3.2	1.0		2300	2.1	0.6
8 F	0500	6.0	1.8	23 Sa	0500	6.6	2.0
	1125	2.9	0.9		1145	1.8	0.5
	1730	5.7	1.7		1745	6.5	2.0
	2335	2.8	0.9		2345	1.7	0.5
9 Sa	0600	6.3	1.9	24 Su	0615	6.8	2.1
	1200	2.5	0.8		1220	1.5	0.5
	1800	6.2	1.9		1840	7.0	2.1
10 Su	0015	2.4	0.7	25 M	0040	1.3	0.4
	0645	6.6	2.0		0705	7.1	2.2
	1245	2.2	0.7		1255	1.3	0.4
	1855	6.6	2.0		1925	7.4	2.3
11 M	0055	2.0	0.6	26 Tu	0120	0.9	0.3
	0715	7.0	2.1		0750	7.2	2.2
	1315	1.8	0.5		1330	1.1	0.3
	1920	7.0	2.1		2000	7.6	2.3
12 Tu	0130	1.5	0.5	27 W	0205	0.7	0.2
	0755	7.1	2.2		0835	7.1	2.2
	1355	1.4	0.4		1405	1.0	0.3
	2000	7.3	2.2		2050	7.6	2.3
13 W	0205	1.2	0.4	28 Th	0230	0.7	0.2
	0830	7.2	2.2		0905	6.9	2.1
	1415	1.2	0.4		1440	1.0	0.3
	2030	7.5	2.3		2120	7.5	2.3
14 Th	0240	1.0	0.3	29 F	0305	0.8	0.2
	0905	7.1	2.2		0945	6.6	2.0
	1450	1.0	0.3		1515	1.1	0.3
	2110	7.6	2.3		2210	7.3	2.2
15 F	0305	1.0	0.3	30 Sa	0350	1.1	0.3
	0935	6.9	2.1		1025	6.2	1.9
	1515	0.8	0.2		1545	1.4	0.4
	2150	7.6	2.3		2240	7.0	2.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0425	1.4	0.4	16 M	0405	1.1	0.3
	1110	5.9	1.8		1045	6.2	1.9
	1620	1.7	0.5		1615	0.9	0.3
	2325	6.7	2.0		2315	7.4	2.3
2 M	0500	2.0	0.6	17 Tu	0445	1.4	0.4
	1145	5.5	1.7		1140	5.9	1.8
	1655	2.2	0.7		1650	1.2	0.4
3 Tu	0025	6.4	2.0	18 W	0015	7.1	2.2
	0545	2.5	0.8		0520	1.8	0.5
	1250	5.2	1.6		1255	5.7	1.7
	1730	2.7	0.8		1750	1.7	0.5
4 W	0130	6.1	1.9	19 Th	0130	6.8	2.1
	0630	3.0	0.9		0620	2.2	0.7
	1355	5.1	1.6		1400	5.7	1.7
	1820	3.1	0.9		1905	2.2	0.7
5 Th	0230	5.9	1.8	20 F	0220	6.5	2.0
	0905	3.1	0.9		0945	2.2	0.7
	1450	5.2	1.6		1510	5.8	1.8
	2105	3.3	1.0		2140	2.2	0.7
6 F	0315	5.8	1.8	21 Sa	0335	6.3	1.9
	1000	2.9	0.9		1035	2.0	0.6
	1600	5.4	1.6		1620	6.1	1.9
	2210	3.1	0.9		2245	1.9	0.6
7 Sa	0420	5.8	1.8	22 Su	0445	6.2	1.9
	1050	2.7	0.8		1115	1.9	0.6
	1645	5.7	1.7		1730	6.5	2.0
	2310	2.7	0.8		2340	1.6	0.5
8 Su	0520	5.9	1.8	23 M	0545	6.4	2.0
	1140	2.4	0.7		1150	1.6	0.5
	1735	6.1	1.9		1815	6.9	2.1
	2345	2.3	0.7				
9 M	0600	6.2	1.9	24 Tu	0030	1.3	0.4
	1205	2.0	0.6		0650	6.5	2.0
	1820	6.6	2.0		1225	1.5	0.5
					1905	7.2	2.2
10 Tu	0030	1.8	0.5	25 W	0105	1.1	0.3
	0645	6.5	2.0		0725	6.5	2.0
	1245	1.7	0.5		1300	1.4	0.4
	1855	7.0	2.1		1940	7.4	2.3
11 W	0115	1.4	0.4	26 Th	0145	1.0	0.3
	0730	6.7	2.0		0810	6.5	2.0
	1315	1.3	0.4		1340	1.3	0.4
	1930	7.4	2.3		2025	7.4	2.3
12 Th	0155	1.1	0.3	27 F	0225	1.0	0.3
	0810	6.9	2.1		0835	6.4	2.0
	1350	1.0	0.3		1400	1.2	0.4
	2015	7.7	2.3		2055	7.4	2.3
13 F	0230	1.0	0.3	28 Sa	0250	1.1	0.3
	0840	6.9	2.1		0910	6.2	1.9
	1420	0.8	0.2		1450	1.3	0.4
	2055	7.8	2.4		2140	7.2	2.2
14 Sa	0250	0.9	0.3	29 Su	0325	1.3	0.4
	0920	6.8	2.1		0955	6.1	1.9
	1450	0.7	0.2		1525	1.5	0.5
	2135	7.8	2.4		2220	7.0	2.1
15 Su	0325	0.9	0.3	30 M	0410	1.6	0.5
	1000	6.5	2.0		1025	5.8	1.8
	1530	0.7	0.2		1600	1.8	0.5
	2215	7.6	2.3		2305	6.8	2.1
				31 Tu	0445	1.9	0.6
					1120	5.6	1.7
					1635	2.1	0.6
					2345	6.5	2.0

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0525	2.2	0.7	16 Th	0005	7.3	2.2
	1210	5.4	1.6		0520	1.5	0.5
	1730	2.3	0.7		1230	6.0	1.8
					1745	1.4	0.4
2 Th	0020	6.2	1.9	17 F	0100	6.8	2.1
	0605	2.5	0.8		0620	1.9	0.6
	1250	5.3	1.6		1340	5.9	1.8
	1805	2.7	0.8		1845	1.8	0.5
3 F	0115	5.9	1.8	18 Sa	0200	6.4	2.0
	0700	2.8	0.9		0720	2.2	0.7
	1350	5.3	1.6		1450	6.0	1.8
	1910	2.9	0.9		2020	2.0	0.6
4 Sa	0200	5.7	1.7	19 Su	0305	6.1	1.9
	0835	2.9	0.9		0945	2.3	0.7
	1445	5.4	1.6		1555	6.1	1.9
	2050	2.9	0.9		2205	2.0	0.6
5 Su	0310	5.5	1.7	20 M	0425	5.9	1.8
	0950	2.7	0.8		1035	2.2	0.7
	1550	5.6	1.7		1655	6.3	1.9
	2200	2.7	0.8		2300	1.9	0.6
6 M	0430	5.6	1.7	21 Tu	0525	5.8	1.8
	1035	2.4	0.7		1110	2.0	0.6
	1645	6.0	1.8		1740	6.5	2.0
	2300	2.3	0.7		2355	1.8	0.5
7 Tu	0525	5.8	1.8	22 W	0605	5.8	1.8
	1110	2.0	0.6		1145	1.9	0.6
	1740	6.5	2.0		1830	6.7	2.0
	2350	1.9	0.6				
8 W	0610	6.1	1.9	23 Th	0025	1.7	0.5
	1155	1.6	0.5		0650	5.9	1.8
	1825	7.0	2.1		1215	1.8	0.5
					1915	6.9	2.1
9 Th	0030	1.6	0.5	24 F	0110	1.6	0.5
	0700	6.4	2.0		0730	6.0	1.8
	1225	1.2	0.4		1255	1.6	0.5
	1910	7.4	2.3		1950	7.0	2.1
10 F	0110	1.3	0.4	25 Sa	0150	1.6	0.5
	0735	6.5	2.0		0815	6.0	1.8
	1315	0.9	0.3		1335	1.6	0.5
	1945	7.7	2.3		2035	7.1	2.2
11 Sa	0150	1.1	0.3	26 Su	0225	1.6	0.5
	0810	6.6	2.0		0840	6.0	1.8
	1355	0.7	0.2		1425	1.5	0.5
	2030	7.9	2.4		2110	7.1	2.2
12 Su	0240	0.9	0.3	27 M	0300	1.5	0.5
	0900	6.6	2.0		0920	6.0	1.8
	1435	0.6	0.2		1505	1.6	0.5
	2120	7.9	2.4		2155	7.1	2.2
13 M	0320	0.9	0.3	28 Tu	0350	1.6	0.5
	0950	6.4	2.0		0955	5.9	1.8
	1520	0.7	0.2		1545	1.7	0.5
	2215	7.8	2.4		2225	7.0	2.1
14 Tu	0400	1.0	0.3	29 W	0425	1.7	0.5
	1035	6.2	1.9		1045	5.8	1.8
	1605	0.8	0.2		1625	1.8	0.5
	2300	7.6	2.3		2310	6.8	2.1
15 W	0440	1.3	0.4	30 Th	0450	1.9	0.6
	1130	6.1	1.9		1115	5.7	1.7
	1650	1.1	0.3		1655	2.0	0.6
					2345	6.5	2.0

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to the datum of N.O.S. charts.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0520	2.1	0.6	16	0030	6.9	2.1
F	1205	5.7	1.7	Sa	0550	1.7	0.5
	1730	2.2	0.7		1320	6.2	1.9
					1820	1.6	0.5
2	0025	6.2	1.9	17	0130	6.4	2.0
Sa	0600	2.3	0.7	Su	0645	2.1	0.6
	1245	5.7	1.7		1420	6.1	1.9
	1810	2.4	0.7		1930	2.1	0.6
3	0100	5.8	1.8	18	0240	5.9	1.8
Su	0645	2.5	0.8	M	0815	2.4	0.7
	1335	5.7	1.7		1515	6.1	1.9
	1905	2.6	0.8		2145	2.2	0.7
4	0205	5.6	1.7	19	0350	5.5	1.7
M	0730	2.5	0.8	Tu	0945	2.5	0.8
	1445	5.9	1.8		1620	6.1	1.9
	2015	2.6	0.8		2245	2.3	0.7
5	0310	5.4	1.6	20	0450	5.4	1.6
Tu	0905	2.4	0.7	W	1045	2.5	0.8
	1550	6.1	1.9		1710	6.2	1.9
	2200	2.5	0.8		2330	2.3	0.7
6	0425	5.5	1.7	21	0535	5.4	1.6
W	1005	2.1	0.6	Th	1115	2.4	0.7
	1655	6.5	2.0		1815	6.4	2.0
	2305	2.2	0.7				
7	0520	5.8	1.8	22	0020	2.3	0.7
Th	1105	1.7	0.5	F	0620	5.6	1.7
	1750	6.9	2.1		1205	2.3	0.7
					1850	6.6	2.0
8	0010	1.9	0.6	23	0100	2.2	0.7
F	0620	6.1	1.9	Sa	0710	5.8	1.8
	1145	1.3	0.4		1245	2.1	0.6
	1840	7.4	2.3		1930	6.9	2.1
9	0055	1.6	0.5	24	0145	2.1	0.6
Sa	0700	6.4	2.0	Su	0740	6.0	1.8
	1235	1.1	0.3		1330	2.0	0.6
	1940	7.7	2.3		2010	7.0	2.1
10	0145	1.3	0.4	25	0225	1.9	0.6
Su	0755	6.6	2.0	M	0815	6.1	1.9
	1335	0.9	0.3		1410	1.8	0.5
	2020	8.0	2.4		2055	7.2	2.2
11	0230	1.1	0.3	26	0250	1.8	0.5
M	0850	6.6	2.0	Tu	0845	6.2	1.9
	1415	0.7	0.2		1445	1.7	0.5
	2115	8.1	2.5		2120	7.2	2.2
12	0315	1.0	0.3	27	0320	1.7	0.5
Tu	0930	6.6	2.0	W	0925	6.2	1.9
	1510	0.7	0.2		1525	1.7	0.5
	2210	8.1	2.5		2200	7.1	2.2
13	0350	1.0	0.3	28	0355	1.7	0.5
W	1025	6.5	2.0	Th	1005	6.2	1.9
	1600	0.7	0.2		1600	1.7	0.5
	2250	7.8	2.4		2235	6.9	2.1
14	0425	1.1	0.3	29	0415	1.7	0.5
Th	1115	6.4	2.0	F	1040	6.2	1.9
	1640	0.9	0.3		1625	1.8	0.5
	2345	7.4	2.3		2315	6.7	2.0
15	0505	1.4	0.4	30	0445	1.9	0.6
F	1225	6.3	1.9	Sa	1120	6.1	1.9
	1720	1.2	0.4		1700	1.9	0.6
					2335	6.3	1.9
				31	0520	1.9	0.6
				Su	1200	6.1	1.9
					1730	2.0	0.6

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0020	6.0	1.8	16	0210	5.7	1.7
M	0610	1.9	0.6	Tu	0710	2.4	0.7
	1255	6.2	1.9		1440	6.1	1.9
	1830	2.2	0.7		2020	2.6	0.8
2	0115	5.7	1.7	17	0310	5.4	1.6
Tu	0650	2.0	0.6	W	0810	2.7	0.8
	1350	6.2	1.9		1550	6.0	1.8
	1925	2.4	0.7		2230	2.9	0.9
3	0215	5.6	1.7	18	0410	5.2	1.6
W	0755	2.1	0.6	Th	0930	2.8	0.9
	1455	6.3	1.9		1645	6.1	1.9
	2045	2.6	0.8		2340	2.9	0.9
4	0325	5.5	1.7	19	0510	5.3	1.6
Th	0900	2.0	0.6	F	1055	2.7	0.8
	1600	6.6	2.0		1800	6.3	1.9
	2215	2.4	0.7				
5	0445	5.7	1.7	20	0010	2.7	0.8
F	1015	1.8	0.5	Sa	0605	5.6	1.7
	1715	6.9	2.1		1155	2.5	0.8
	2340	2.1	0.6		1835	6.6	2.0
6	0550	6.1	1.9	21	0050	2.5	0.8
Sa	1125	1.5	0.5	Su	0640	5.8	1.8
	1820	7.4	2.3		1240	2.3	0.7
					1915	6.9	2.1
7	0045	1.6	0.5	22	0120	2.2	0.7
Su	0645	6.5	2.0	M	0715	6.1	1.9
	1235	1.2	0.4		1310	2.0	0.6
	1925	7.9	2.4		1955	7.2	2.2
8	0135	1.2	0.4	23	0145	1.9	0.6
M	0740	6.8	2.1	Tu	0745	6.4	2.0
	1325	0.9	0.3		1350	1.8	0.5
	2005	8.2	2.5		2025	7.3	2.2
9	0215	0.9	0.3	24	0215	1.7	0.5
Tu	0830	6.9	2.1	W	0815	6.6	2.0
	1415	0.7	0.2		1430	1.6	0.5
	2100	8.2	2.5		2055	7.3	2.2
10	0250	0.8	0.2	25	0250	1.6	0.5
W	0920	7.0	2.1	Th	0855	6.7	2.0
	1500	0.5	0.2		1505	1.5	0.5
	2150	8.1	2.5		2130	7.2	2.2
11	0330	0.8	0.2	26	0315	1.5	0.5
Th	1005	6.9	2.1	F	0935	6.7	2.0
	1545	0.5	0.2		1540	1.4	0.4
	2240	7.8	2.4		2205	7.0	2.1
12	0415	0.9	0.3	27	0345	1.5	0.5
F	1105	6.8	2.1	Sa	1000	6.7	2.0
	1620	0.7	0.2		1610	1.4	0.4
	2325	7.4	2.3		2230	6.7	2.0
13	0450	1.2	0.4	28	0420	1.5	0.5
Sa	1155	6.6	2.0	Su	1045	6.7	2.0
	1700	1.0	0.3		1635	1.6	0.5
					2310	6.4	2.0
14	0025	6.8	2.1	29	0450	1.5	0.5
Su	0515	1.5	0.5	M	1140	6.7	2.0
	1255	6.5	2.0		1710	1.8	0.5
	1755	1.5	0.5		2350	6.1	1.9
15	0110	6.2	1.9	30	0525	1.7	0.5
M	0615	2.0	0.6	Tu	1230	6.6	2.0
	1345	6.3	1.9		1755	2.1	0.6
	1900	2.1	0.6				
				31	0040	5.8	1.8
				W	0605	1.8	0.5
					1320	6.5	2.0
					1855	2.4	0.7

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0140	5.6	1.7	16	0400	5.3	1.6
Th	0715	2.1	0.6	F	1015	3.2	1.0
	1415	6.5	2.0		1640	6.1	1.9
	2005	2.8	0.9		2315	3.1	0.9
2	0305	5.5	1.7	17	0500	5.4	1.6
F	0820	2.2	0.7	Sa	1105	3.0	0.9
	1545	6.6	2.0		1725	6.3	1.9
	2250	2.7	0.8		2350	2.9	0.9
3	0430	5.7	1.7	18	0535	5.8	1.8
Sa	1010	2.2	0.7	Su	1155	2.7	0.8
	1710	6.9	2.1		1810	6.6	2.0
	2355	2.2	0.7				
4	0540	6.2	1.9	19	0020	2.6	0.8
Su	1130	1.9	0.6	M	0620	6.1	1.9
	1805	7.4	2.3		1220	2.4	0.7
					1850	6.9	2.1
5	0040	1.7	0.5	20	0100	2.3	0.7
M	0635	6.7	2.0	Tu	0650	6.5	2.0
	1235	1.4	0.4		1305	2.1	0.6
	1910	7.9	2.4		1925	7.2	2.2
6	0115	1.2	0.4	21	0130	2.1	0.6
Tu	0725	7.0	2.1	W	0725	6.8	2.1
	1325	1.0	0.3		1335	1.8	0.5
	1955	8.2	2.5		2000	7.4	2.3
7	0200	0.9	0.3	22	0200	1.8	0.5
W	0815	7.3	2.2	Th	0800	7.0	2.1
	1415	0.7	0.2		1405	1.6	0.5
	2045	8.2	2.5		2035	7.4	2.3
8	0240	0.8	0.2	23	0225	1.6	0.5
Th	0910	7.4	2.3	F	0840	7.2	2.2
	1455	0.5	0.2		1445	1.5	0.5
	2130	8.0	2.4		2110	7.3	2.2
9	0300	0.8	0.2	24	0250	1.5	0.5
F	0955	7.4	2.3	Sa	0905	7.2	2.2
	1525	0.6	0.2		1505	1.4	0.4
	2220	7.7	2.3		2135	7.1	2.2
10	0345	1.0	0.3	25	0325	1.4	0.4
Sa	1035	7.2	2.2	Su	0955	7.3	2.2
	1600	0.8	0.2		1540	1.5	0.5
	2310	7.2	2.2		2205	6.8	2.1
11	0420	1.3	0.4	26	0345	1.4	0.4
Su	1130	7.0	2.1	M	1025	7.2	2.2
	1655	1.2	0.4		1605	1.6	0.5
	2355	6.6	2.0		2255	6.5	2.0
12	0455	1.6	0.5	27	0425	1.4	0.4
M	1225	6.7	2.0	Tu	1110	7.1	2.2
	1725	1.8	0.5		1645	1.9	0.6
					2330	6.2	1.9
13	0040	6.0	1.8	28	0500	1.5	0.5
Tu	0530	2.1	0.6	W	1205	7.0	2.1
	1320	6.4	2.0		1730	2.2	0.7
	1815	2.5	0.8				
14	0140	5.6	1.7	29	0025	5.9	1.8
W	0615	2.6	0.8	Th	0550	1.8	0.5
	1425	6.2	1.9		1300	6.8	2.1
	1920	3.1	0.9		1815	2.6	0.8
15	0250	5.3	1.6	30	0120	5.7	1.7
Th	0725	3.1	0.9	F	0635	2.2	0.7
	1530	6.0	1.8		1405	6.7	2.0
	2230	3.2	1.0		1925	2.9	0.9

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to the datum of N.O.S. charts.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0315	5.7	1.7	16	0420	5.6	1.7
Sa	0825	2.6	0.8	Su	1035	3.2	1.0
	1530	6.7	2.0		1650	6.4	2.0
	2245	2.7	0.8		2320	3.0	0.9
2	0415	6.0	1.8	17	0505	5.9	1.8
Su	1020	2.4	0.7	M	1115	2.9	0.9
	1655	7.0	2.1		1745	6.6	2.0
	2340	2.2	0.7		2350	2.7	0.8
3	0525	6.5	2.0	18	0550	6.3	1.9
M	1115	2.0	0.6	Tu	1200	2.6	0.8
	1750	7.4	2.3		1825	6.8	2.1
4	0015	1.7	0.5	19	0020	2.4	0.7
Tu	0620	7.0	2.1	W	0635	6.7	2.0
	1225	1.5	0.5		1235	2.2	0.7
	1850	7.7	2.3		1910	7.1	2.2
5	0050	1.3	0.4	20	0055	2.1	0.6
W	0720	7.4	2.3	Th	0715	7.1	2.2
	1300	1.0	0.3		1315	1.9	0.6
	1945	8.0	2.4		1935	7.2	2.2
6	0135	1.0	0.3	21	0125	1.8	0.5
Th	0805	7.7	2.3	F	0740	7.4	2.3
	1345	0.7	0.2		1345	1.6	0.5
	2030	8.0	2.4		2005	7.3	2.2
7	0200	0.9	0.3	22	0155	1.6	0.5
F	0850	7.8	2.4	Sa	0815	7.6	2.3
	1435	0.6	0.2		1415	1.5	0.5
	2110	7.8	2.4		2045	7.2	2.2
8	0240	1.0	0.3	23	0225	1.4	0.4
Sa	0925	7.8	2.4	Su	0850	7.7	2.3
	1505	0.7	0.2		1450	1.5	0.5
	2145	7.4	2.3		2115	7.0	2.1
9	0315	1.1	0.3	24	0255	1.3	0.4
Su	1010	7.6	2.3	M	0935	7.7	2.3
	1555	1.0	0.3		1520	1.5	0.5
	2235	6.9	2.1		2145	6.8	2.1
10	0350	1.4	0.4	25	0325	1.3	0.4
M	1100	7.2	2.2	Tu	1005	7.7	2.3
	1620	1.5	0.5		1600	1.7	0.5
	2320	6.4	2.0		2225	6.5	2.0
11	0425	1.8	0.5	26	0405	1.4	0.4
Tu	1150	6.9	2.1	W	1055	7.5	2.3
	1710	2.1	0.6		1640	2.0	0.6
					2310	6.2	1.9
12	0015	5.9	1.8	27	0450	1.7	0.5
W	0515	2.3	0.7	Th	1155	7.3	2.2
	1250	6.6	2.0		1710	2.3	0.7
	1800	2.8	0.9				
13	0130	5.5	1.7	28	0015	5.9	1.8
Th	0545	2.8	0.9	F	0525	2.1	0.6
	1355	6.4	2.0		1250	7.0	2.1
	1920	3.4	1.0		1810	2.7	0.8
14	0235	5.4	1.6	29	0140	5.8	1.8
F	0710	3.3	1.0	Sa	0615	2.5	0.8
	1455	6.3	1.9		1405	6.9	2.1
	2145	3.4	1.0		1900	3.1	0.9
15	0330	5.4	1.6	30	0255	6.0	1.8
Sa	0945	3.4	1.0	Su	0820	2.8	0.9
	1555	6.3	1.9		1525	6.9	2.1
	2240	3.3	1.0		2230	2.6	0.8
				31	0410	6.4	2.0
				M	1020	2.5	0.8
					1630	7.0	2.1
					2315	2.2	0.7

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0505	6.8	2.1	16	0515	6.5	2.0
Tu	1125	2.0	0.6	W	1130	2.8	0.9
	1730	7.3	2.2		1755	6.7	2.0
	2350	1.8	0.5		2350	2.5	0.8
2	0600	7.3	2.2	17	0600	6.9	2.1
W	1210	1.6	0.5	Th	1215	2.4	0.7
	1840	7.5	2.3		1835	6.9	2.1
3	0035	1.5	0.5	18	0020	2.2	0.7
Th	0655	7.7	2.3	F	0635	7.4	2.3
	1255	1.3	0.4		1250	2.1	0.6
	1920	7.6	2.3		1900	7.1	2.2
4	0110	1.3	0.4	19	0050	1.9	0.6
F	0740	8.0	2.4	Sa	0720	7.7	2.3
	1330	1.0	0.3		1335	1.9	0.6
	2010	7.6	2.3		1945	7.2	2.2
5	0135	1.2	0.4	20	0120	1.6	0.5
Sa	0815	8.1	2.5	Su	0755	8.0	2.4
	1415	1.0	0.3		1410	1.7	0.5
	2045	7.4	2.3		2020	7.2	2.2
6	0210	1.3	0.4	21	0155	1.5	0.5
Su	0910	8.1	2.5	M	0840	8.2	2.5
	1450	1.1	0.3		1440	1.7	0.5
	2115	7.1	2.2		2050	7.1	2.2
7	0300	1.4	0.4	22	0230	1.4	0.4
M	0945	7.8	2.4	Tu	0910	8.2	2.5
	1525	1.5	0.5		1500	1.7	0.5
	2205	6.7	2.0		2130	6.9	2.1
8	0320	1.7	0.5	23	0310	1.3	0.4
Tu	1025	7.5	2.3	W	1000	8.1	2.5
	1615	1.9	0.6		1545	1.9	0.6
	2245	6.2	1.9		2210	6.6	2.0
9	0405	2.0	0.6	24	0350	1.5	0.5
W	1115	7.2	2.2	Th	1050	7.9	2.4
	1645	2.4	0.7		1620	2.1	0.6
	2345	5.9	1.8		2305	6.4	2.0
10	0440	2.5	0.8	25	0425	1.8	0.5
Th	1235	6.9	2.1	F	1140	7.7	2.3
	1720	2.9	0.9		1705	2.3	0.7
11	0100	5.7	1.7	26	0015	6.2	1.9
F	0525	3.0	0.9	Sa	0515	2.2	0.7
	1320	6.6	2.0		1250	7.4	2.3
	1825	3.4	1.0		1800	2.7	0.8
12	0145	5.7	1.7	27	0130	6.2	1.9
Sa	0615	3.4	1.0	Su	0620	2.6	0.8
	1425	6.5	2.0		1345	7.2	2.2
	2105	3.5	1.1		1925	2.9	0.9
13	0255	5.7	1.7	28	0240	6.4	2.0
Su	0850	3.6	1.1	M	0840	2.7	0.8
	1500	6.4	2.0		1455	7.0	2.1
	2155	3.3	1.0		2145	2.6	0.8
14	0340	5.8	1.8	29	0345	6.7	2.0
M	0955	3.4	1.0	Tu	1005	2.5	0.8
	1610	6.4	2.0		1610	6.9	2.1
	2240	3.1	0.9		2250	2.3	0.7
15	0425	6.1	1.9	30	0450	7.0	2.1
Tu	1055	3.1	0.9	W	1105	2.1	0.6
	1700	6.5	2.0		1715	6.9	2.1
	2320	2.9	0.9		2330	2.1	0.6

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0540	7.4	2.3	16	0515	6.9	2.1
Th	1140	1.9	0.6	F	1140	2.7	0.8
	1805	7.0	2.1		1750	6.4	2.0
	2350	1.9	0.6		2330	2.4	0.7
2	0630	7.7	2.3	17	0600	7.4	2.3
F	1220	1.7	0.5	Sa	1210	2.4	0.7
	1850	7.0	2.1		1825	6.7	2.0
3	0015	1.8	0.5	18	0010	2.0	0.6
Sa	0715	7.9	2.4	Su	0645	7.8	2.4
	1315	1.6	0.5		1250	2.2	0.7
	1940	7.0	2.1		1900	7.0	2.1
4	0100	1.7	0.5	19	0045	1.7	0.5
Su	0750	8.0	2.4	M	0725	8.2	2.5
	1350	1.6	0.5		1335	2.0	0.6
	2010	6.9	2.1		1955	7.1	2.2
5	0135	1.7	0.5	20	0120	1.5	0.5
M	0840	8.0	2.4	Tu	0810	8.4	2.6
	1420	1.7	0.5		1415	1.8	0.5
	2055	6.7	2.0		2030	7.0	2.1
6	0220	1.8	0.5	21	0215	1.4	0.4
Tu	0920	7.8	2.4	W	0900	8.5	2.6
	1515	1.9	0.6		1455	1.8	0.5
	2125	6.5	2.0		2115	7.0	2.1
7	0300	1.9	0.6	22	0250	1.3	0.4
W	1005	7.7	2.3	Th	0955	8.4	2.6
	1550	2.2	0.7		1530	1.8	0.5
	2210	6.3	1.9		2215	6.8	2.1
8	0345	2.2	0.7	23	0335	1.4	0.4
Th	1050	7.4	2.3	F	1030	8.3	2.5
	1620	2.5	0.8		1620	1.9	0.6
	2305	6.1	1.9		2305	6.7	2.0
9	0420	2.5	0.8	24	0420	1.6	0.5
F	1135	7.2	2.2	Sa	1130	8.0	2.4
	1700	2.8	0.9		1705	2.0	0.6
	2350	5.9	1.8				
10	0515	2.9	0.9	25	0010	6.6	2.0
Sa	1220	6.9	2.1	Su	0510	1.9	0.6
	1800	3.1	0.9		1215	7.7	2.3
					1800	2.3	0.7
11	0050	5.8	1.8	26	0100	6.5	2.0
Su	0600	3.2	1.0	M	0600	2.2	0.7
	1310	6.6	2.0		1315	7.3	2.2
	1850	3.4	1.0		1840	2.6	0.8
12	0140	5.8	1.8	27	0210	6.6	2.0
M	0700	3.5	1.1	Tu	0720	2.5	0.8
	1355	6.3	1.9		1425	6.8	2.1
	2020	3.5	1.1		2025	2.7	0.8
13	0235	5.9	1.8	28	0325	6.7	2.0
Tu	0840	3.6	1.1	W	0930	2.7	0.8
	1455	6.1	1.9		1530	6.5	2.0
	2140	3.3	1.0		2150	2.7	0.8
14	0330	6.2	1.9	29	0420	6.9	2.1
W	0945	3.4	1.0	Th	1035	2.5	0.8
	1600	6.1	1.9		1645	6.4	2.0
	2215	3.1	0.9		2230	2.5	0.8
15	0425	6.5	2.0	30	0510	7.2	2.2
Th	1055	3.0	0.9	F	1125	2.4	0.7
	1655	6.2	1.9		1740	6.4	2.0
	2245	2.7	0.8		2315	2.4	0.7
				31	0610	7.5	2.3
				Sa	1215	2.3	0.7
					1830	6.4	2.0
					2355	2.3	0.7

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to the datum of N.O.S. charts.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0450	0.3	0.1	16	0515	1.6	0.5
Sa	1205	5.8	1.8	Su	1215	5.4	1.6
	1650	3.6	1.1		1705	3.7	1.1
	2250	6.8	2.1		2310	5.9	1.8
2	0545	0.3	0.1	17	0545	1.6	0.5
Su	1250	5.8	1.8	M	1255	5.5	1.7
	1735	3.6	1.1		1745	3.7	1.1
	2335	6.7	2.0		2350	5.8	1.8
3	0635	0.5	0.2	18	0625	1.8	0.5
M	1345	5.8	1.8	Tu	1315	5.6	1.7
	1835	3.6	1.1		1830	3.7	1.1
4	0030	6.4	2.0	19	0020	5.6	1.7
Tu	0715	0.8	0.2	W	0650	2.0	0.6
	1440	5.7	1.7		1355	5.6	1.7
	1930	3.4	1.0		1915	3.6	1.1
5	0130	6.1	1.9	20	0110	5.4	1.6
W	0815	1.4	0.4	Th	0715	2.2	0.7
	1515	5.7	1.7		1425	5.6	1.7
	2035	3.3	1.0		2005	3.4	1.0
6	0240	5.7	1.7	21	0150	5.1	1.6
Th	0905	1.9	0.6	F	0805	2.5	0.8
	1600	5.7	1.7		1505	5.7	1.7
	2145	3.0	0.9		2050	3.2	1.0
7	0405	5.4	1.6	22	0245	4.9	1.5
F	1000	2.5	0.8	Sa	0835	2.7	0.8
	1700	5.6	1.7		1530	5.7	1.7
	2300	2.7	0.8		2150	3.0	0.9
8	0530	5.1	1.6	23	0410	4.7	1.4
Sa	1100	3.0	0.9	Su	0920	3.0	0.9
	1735	5.7	1.7		1625	5.8	1.8
					2310	2.7	0.8
9	0010	2.4	0.7	24	0535	4.7	1.4
Su	0650	5.0	1.5	M	1025	3.3	1.0
	1210	3.4	1.0		1700	5.9	1.8
	1820	5.7	1.7				
10	0105	2.1	0.6	25	0015	2.3	0.7
M	0750	5.0	1.5	Tu	0655	4.7	1.4
	1255	3.7	1.1		1130	3.6	1.1
	1900	5.8	1.8		1805	6.1	1.9
11	0205	1.8	0.5	26	0120	1.8	0.5
Tu	0850	5.1	1.6	W	0805	4.9	1.5
	1355	3.8	1.2		1245	3.7	1.1
	1950	5.9	1.8		1900	6.3	1.9
12	0255	1.7	0.5	27	0210	1.3	0.4
W	0935	5.1	1.6	Th	0905	5.2	1.6
	1430	3.8	1.2		1400	3.7	1.1
	2040	6.0	1.8		2000	6.5	2.0
13	0325	1.6	0.5	28	0310	0.9	0.3
Th	1020	5.2	1.6	F	1010	5.4	1.6
	1510	3.8	1.2		1455	3.5	1.1
	2100	6.1	1.9		2050	6.7	2.0
14	0400	1.5	0.5	29	0355	0.6	0.2
F	1115	5.3	1.6	Sa	1055	5.6	1.7
	1545	3.8	1.2		1550	3.4	1.0
	2155	6.1	1.9		2200	6.8	2.1
15	0445	1.5	0.5	30	0445	0.5	0.2
Sa	1145	5.3	1.6	Su	1140	5.7	1.7
	1635	3.8	1.2		1630	3.2	1.0
	2235	6.0	1.8		2250	6.8	2.1
				31	0530	0.5	0.2
				M	1220	5.8	1.8
					1725	3.0	0.9
					2335	6.7	2.0

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0625	0.8	0.2	16	0555	2.0	0.6
Tu	1310	5.7	1.7	W	1230	5.6	1.7
	1830	2.9	0.9		1810	3.0	0.9
2	0030	6.4	2.0	17	0025	5.5	1.7
W	0710	1.3	0.4	Th	0615	2.2	0.7
	1345	5.7	1.7		1300	5.6	1.7
	1915	2.7	0.8		1845	2.8	0.9
3	0130	6.0	1.8	18	0105	5.3	1.6
Th	0750	1.8	0.5	F	0700	2.4	0.7
	1435	5.6	1.7		1340	5.6	1.7
	2015	2.6	0.8		1930	2.7	0.8
4	0235	5.6	1.7	19	0155	5.1	1.6
F	0835	2.4	0.7	Sa	0735	2.7	0.8
	1510	5.5	1.7		1410	5.6	1.7
	2125	2.5	0.8		2015	2.6	0.8
5	0345	5.2	1.6	20	0245	4.9	1.5
Sa	0930	3.0	0.9	Su	0810	3.0	0.9
	1550	5.5	1.7		1435	5.6	1.7
	2235	2.4	0.7		2120	2.4	0.7
6	0510	5.0	1.5	21	0405	4.7	1.4
Su	1030	3.4	1.0	M	0855	3.4	1.0
	1645	5.4	1.6		1515	5.6	1.7
	2345	2.3	0.7		2220	2.2	0.7
7	0635	4.8	1.5	22	0540	4.6	1.4
M	1135	3.7	1.1	Tu	0945	3.7	1.1
	1735	5.4	1.6		1620	5.6	1.7
					2355	1.9	0.6
8	0050	2.1	0.6	23	0705	4.7	1.4
Tu	0735	4.8	1.5	W	1105	3.8	1.2
	1240	3.9	1.2		1735	5.8	1.8
	1830	5.5	1.7				
9	0145	2.0	0.6	24	0100	1.6	0.5
W	0845	4.8	1.5	Th	0805	4.9	1.5
	1340	3.9	1.2		1240	3.8	1.2
	1930	5.6	1.7		1850	6.0	1.8
10	0230	1.9	0.6	25	0205	1.2	0.4
Th	0920	4.9	1.5	F	0910	5.1	1.6
	1415	3.8	1.2		1350	3.6	1.1
	2010	5.7	1.7		1945	6.2	1.9
11	0310	1.8	0.5	26	0250	0.9	0.3
F	1000	5.1	1.6	Sa	0945	5.3	1.6
	1500	3.7	1.1		1450	3.3	1.0
	2100	5.8	1.8		2050	6.4	2.0
12	0345	1.8	0.5	27	0345	0.8	0.2
Sa	1035	5.2	1.6	Su	1035	5.5	1.7
	1545	3.5	1.1		1535	2.9	0.9
	2145	5.9	1.8		2150	6.5	2.0
13	0415	1.7	0.5	28	0430	0.9	0.3
Su	1105	5.3	1.6	M	1110	5.6	1.7
	1625	3.3	1.0		1625	2.5	0.8
	2215	5.9	1.8		2255	6.5	2.0
14	0455	1.8	0.5				
M	1145	5.5	1.7				
	1700	3.2	1.0				
	2300	5.8	1.8				
15	0515	1.8	0.5				
Tu	1200	5.6	1.7				
	1740	3.1	0.9				
	2340	5.7	1.7				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0510	1.1	0.3	16	0455	2.1	0.6
Tu	1155	5.7	1.7	W	1115	5.7	1.7
	1715	2.2	0.7		1705	2.3	0.7
	2340	6.4	2.0		2330	5.5	1.7
2	0555	1.4	0.4	17	0520	2.2	0.7
W	1215	5.7	1.7	Th	1150	5.7	1.7
	1805	2.0	0.6		1750	2.1	0.6
3	0040	6.1	1.9	18	0005	5.5	1.7
Th	0645	1.9	0.6	F	0550	2.4	0.7
	1255	5.6	1.7		1215	5.7	1.7
	1850	1.8	0.5		1825	1.9	0.6
4	0125	5.8	1.8	19	0055	5.3	1.6
F	0720	2.4	0.7	Sa	0625	2.7	0.8
	1335	5.5	1.7		1245	5.6	1.7
	1940	1.9	0.6		1910	1.8	0.5
5	0225	5.4	1.6	20	0150	5.2	1.6
Sa	0805	2.9	0.9	Su	0710	3.0	0.9
	1400	5.4	1.6		1310	5.6	1.7
	2035	2.0	0.6		1945	1.7	0.5
6	0340	5.1	1.6	21	0255	4.9	1.5
Su	0840	3.4	1.0	M	0750	3.3	1.0
	1445	5.3	1.6		1355	5.6	1.7
	2145	2.1	0.6		2050	1.7	0.5
7	0455	4.8	1.5	22	0405	4.7	1.4
M	0935	3.7	1.1	Tu	0830	3.7	1.1
	1530	5.2	1.6		1435	5.5	1.7
	2250	2.2	0.7		2200	1.7	0.5
8	0610	4.7	1.4	23	0545	4.7	1.4
Tu	1050	3.9	1.2	W	0925	3.9	1.2
	1630	5.1	1.6		1535	5.5	1.7
					2320	1.6	0.5
9	0000	2.2	0.7	24	0655	4.7	1.4
W	0710	4.7	1.4	Th	1100	4.0	1.2
	1210	3.9	1.2		1710	5.5	1.7
	1750	5.2	1.6				
10	0105	2.2	0.7	25	0040	1.4	0.4
Th	0800	4.7	1.4	F	0750	4.9	1.5
	1300	3.8	1.2		1235	3.7	1.1
	1850	5.3	1.6		1840	5.7	1.7
11	0200	2.1	0.6	26	0145	1.2	0.4
F	0850	4.8	1.5	Sa	0835	5.1	1.6
	1400	3.6	1.1		1345	3.3	1.0
	1945	5.4	1.6		2000	5.8	1.8
12	0240	2.1	0.6	27	0240	1.2	0.4
Sa	0925	5.0	1.5	Su	0920	5.3	1.6
	1445	3.3	1.0		1435	2.7	0.8
	2045	5.5	1.7		2050	6.0	1.8
13	0315	2.0	0.6	28	0325	1.2	0.4
Su	0955	5.2	1.6	M	0950	5.4	1.6
	1515	3.0	0.9		1525	2.2	0.7
	2130	5.6	1.7		2145	6.1	1.9
14	0355	2.0	0.6	29	0405	1.4	0.4
M	1020	5.4	1.6	Tu	1030	5.6	1.7
	1600	2.7	0.8		1610	1.8	0.5
	2200	5.6	1.7		2245	6.1	1.9
15	0420	2.0	0.6	30	0450	1.8	0.5
Tu	1050	5.6	1.7	W	1105	5.7	1.7
	1640	2.5	0.8		1700	1.4	0.4
	2255	5.6	1.7		2340	6.0	1.8
				31	0515	2.1	0.6
				Th	1140	5.7	1.7
					1740	1.3	0.4

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0020	5.8	1.8	16	0520	2.7	0.8
F	0605	2.5	0.8	Sa	1120	5.8	1.8
	1200	5.6	1.7		1755	1.1	0.3
	1815	1.2	0.4				
2	0110	5.5	1.7	17	0045	5.3	1.6
Sa	0630	2.9	0.9	Su	0555	3.0	0.9
	1230	5.5	1.7		1150	5.8	1.8
	1900	1.3	0.4		1840	1.0	0.3
3	0215	5.2	1.6	18	0130	5.1	1.6
Su	0715	3.3	1.0	M	0635	3.3	1.0
	1300	5.4	1.6		1240	5.8	1.8
	1950	1.6	0.5		1930	1.0	0.3
4	0310	4.9	1.5	19	0255	4.9	1.5
M	0745	3.6	1.1	Tu	0725	3.6	1.1
	1330	5.2	1.6		1305	5.7	1.7
	2045	1.8	0.5		2020	1.1	0.3
5	0415	4.6	1.4	20	0410	4.8	1.5
Tu	0825	3.8	1.2	W	0810	3.8	1.2
	1420	5.1	1.6		1405	5.6	1.7
	2145	2.1	0.6		2145	1.2	0.4
6	0530	4.5	1.4	21	0535	4.7	1.4
W	0920	4.0	1.2	Th	0925	3.9	1.2
	1515	5.0	1.5		1510	5.4	1.6
	2300	2.2	0.7		2300	1.3	0.4
7	0630	4.5	1.4	22	0640	4.8	1.5
Th	1110	4.0	1.2	F	1100	3.8	1.2
	1640	4.9	1.5		1655	5.3	1.6
8	0015	2.3	0.7	23	0010	1.4	0.4
F	0720	4.6	1.4	Sa	0715	4.9	1.5
	1240	3.7	1.1		1235	3.4	1.0
	1810	4.9	1.5		1830	5.3	1.6
9	0100	2.3	0.7	24	0110	1.5	0.5
Sa	0745	4.8	1.5	Su	0805	5.1	1.6
	1340	3.4	1.0		1340	2.8	0.9
	1915	4.9	1.5		1950	5.5	1.7
10	0155	2.3	0.7	25	0210	1.6	0.5
Su	0815	5.1	1.6	M	0835	5.3	1.6
	1410	3.0	0.9		1415	2.1	0.6
	2010	5.1	1.6		2055	5.6	1.7
11	0220	2.3	0.7	26	0245	1.8	0.5
M	0845	5.3	1.6	Tu	0905	5.4	1.6
	1445	2.5	0.8		1505	1.6	0.5
	2100	5.2	1.6		2145	5.7	1.7
12	0255	2.3	0.7	27	0335	2.1	0.6
Tu	0915	5.6	1.7	W	0945	5.6	1.7
	1530	2.2	0.7		1550	1.2	0.4
	2150	5.3	1.6		2230	5.6	1.7
13	0340	2.3	0.7	28	0405	2.4	0.7
W	0945	5.8	1.8	Th	1010	5.7	1.7
	1610	1.8	0.5		1630	0.9	0.3
	2225	5.4	1.6		2315	5.5	1.7
14	0400	2.4	0.7	29	0455	2.7	0.8
Th	1020	5.8	1.8	F	1050	5.7	1.7
	1635	1.6	0.5		1720	0.9	0.3
	2305	5.4	1.6				
15	0445	2.5	0.8	30	0005	5.4	1.6
F	1045	5.9	1.8	Sa	0515	3.0	0.9
	1715	1.3	0.4		1115	5.6	1.7
	2350	5.4	1.6		1755	1.0	0.3

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0055	5.2	1.6	16	0035	5.3	1.6
Su	0600	3.3	1.0	M	0530	3.2	1.0
	1150	5.5	1.7		1135	6.0	1.8
	1830	1.1	0.3		1820	0.5	0.2
2	0145	4.9	1.5	17	0130	5.1	1.6
M	0635	3.5	1.1	Tu	0620	3.5	1.1
	1220	5.4	1.6		1200	5.9	1.8
	1920	1.4	0.4		1920	0.5	0.2
3	0245	4.7	1.4	18	0255	5.0	1.5
Tu	0700	3.7	1.1	W	0700	3.6	1.1
	1250	5.3	1.6		1255	5.8	1.8
	2000	1.6	0.5		2015	0.7	0.2
4	0345	4.6	1.4	19	0400	4.9	1.5
W	0755	3.8	1.2	Th	0800	3.7	1.1
	1340	5.1	1.6		1355	5.6	1.7
	2100	1.9	0.6		2125	1.0	0.3
5	0440	4.5	1.4	20	0505	4.9	1.5
Th	0845	3.9	1.2	F	0915	3.7	1.1
	1440	4.9	1.5		1520	5.3	1.6
	2155	2.2	0.7		2235	1.3	0.4
6	0540	4.6	1.4	21	0550	4.9	1.5
F	1015	3.8	1.2	Sa	1055	3.4	1.0
	1545	4.7	1.4		1650	5.1	1.6
	2305	2.4	0.7		2345	1.6	0.5
7	0610	4.7	1.4	22	0640	5.0	1.5
Sa	1150	3.5	1.1	Su	1220	2.8	0.9
	1720	4.6	1.4		1840	5.1	1.6
	2355	2.5	0.8				
8	0655	5.0	1.5	23	0050	1.9	0.6
Su	1250	3.1	0.9	M	0720	5.2	1.6
	1840	4.6	1.4		1320	2.2	0.7
					1945	5.2	1.6
9	0050	2.5	0.8	24	0135	2.3	0.7
M	0715	5.2	1.6	Tu	0750	5.3	1.6
	1345	2.7	0.8		1405	1.7	0.5
	1945	4.7	1.4		2045	5.2	1.6
10	0130	2.6	0.8	25	0225	2.5	0.8
Tu	0750	5.5	1.7	W	0840	5.5	1.7
	1425	2.2	0.7		1455	1.3	0.4
	2030	4.8	1.5		2135	5.2	1.6
11	0200	2.5	0.8	26	0305	2.8	0.9
W	0830	5.7	1.7	Th	0905	5.6	1.7
	1455	1.8	0.5		1535	1.0	0.3
	2125	5.0	1.5		2225	5.2	1.6
12	0255	2.6	0.8	27	0345	3.0	0.9
Th	0910	5.9	1.8	F	0940	5.7	1.7
	1540	1.4	0.4		1620	0.9	0.3
	2200	5.2	1.6		2315	5.2	1.6
13	0330	2.6	0.8	28	0420	3.1	0.9
F	0940	6.0	1.8	Sa	1005	5.7	1.7
	1610	1.0	0.3		1700	0.9	0.3
	2250	5.3	1.6				
14	0405	2.8	0.9	29	0000	5.1	1.6
Sa	1015	6.0	1.8	Su	0450	3.3	1.0
	1650	0.7	0.2		1050	5.6	1.7
	2350	5.3	1.6		1730	1.0	0.3
15	0445	2.9	0.9	30	0030	5.0	1.5
Su	1055	6.0	1.8	M	0530	3.4	1.0
	1735	0.5	0.2		1120	5.5	1.7
					1815	1.2	0.4
				31	0120	4.9	1.5
				Tu	0610	3.5	1.1
					1145	5.4	1.6
					1850	1.4	0.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0215	4.8	1.5	16	0235	5.2	1.6
W	0655	3.6	1.1	Th	0705	3.4	1.0
	1230	5.3	1.6		1305	5.8	1.8
	1930	1.6	0.5		2000	0.6	0.2
2	0300	4.7	1.4	17	0330	5.1	1.6
Th	0735	3.7	1.1	F	0810	3.3	1.0
	1320	5.1	1.6		1405	5.6	1.7
	2025	1.8	0.5		2100	1.0	0.3
3	0340	4.7	1.4	18	0425	5.1	1.6
F	0825	3.6	1.1	Sa	0920	3.1	0.9
	1405	4.8	1.5		1535	5.2	1.6
	2110	2.1	0.6		2205	1.6	0.5
4	0425	4.8	1.5	19	0500	5.1	1.6
Sa	0945	3.5	1.1	Su	1055	2.7	0.8
	1520	4.6	1.4		1700	5.0	1.5
	2145	2.4	0.7		2310	2.1	0.6
5	0510	5.0	1.5	20	0600	5.2	1.6
Su	1100	3.2	1.0	M	1200	2.2	0.7
	1635	4.4	1.3		1825	4.9	1.5
	2240	2.6	0.8				
6	0545	5.2	1.6	21	0010	2.5	0.8
M	1210	2.8	0.9	Tu	0635	5.3	1.6
	1805	4.4	1.3		1300	1.7	0.5
	2330	2.7	0.8		1935	5.0	1.5
7	0620	5.4	1.6	22	0115	2.8	0.9
Tu	1305	2.4	0.7	W	0710	5.4	1.6
	1905	4.5	1.4		1350	1.4	0.4
					2040	5.0	1.5
8	0030	2.8	0.9	23	0150	3.0	0.9
W	0705	5.6	1.7	Th	0745	5.5	1.7
	1350	1.9	0.6		1440	1.1	0.3
	2005	4.7	1.4		2135	5.0	1.5
9	0120	2.8	0.9	24	0240	3.2	1.0
Th	0745	5.8	1.8	F	0835	5.6	1.7
	1430	1.5	0.5		1515	1.0	0.3
	2105	4.9	1.5		2220	5.0	1.5
10	0210	2.9	0.9	25	0325	3.3	1.0
F	0820	5.9	1.8	Sa	0910	5.6	1.7
	1505	1.0	0.3		1610	0.9	0.3
	2155	5.1	1.6		2305	5.0	1.5
11	0305	2.9	0.9	26	0400	3.3	1.0
Sa	0905	6.0	1.8	Su	1000	5.6	1.7
	1550	0.6	0.2		1650	1.0	0.3
	2255	5.3	1.6		2355	5.0	1.5
12	0400	3.0	0.9	27	0440	3.4	1.0
Su	0950	6.1	1.9	M	1040	5.6	1.7
	1640	0.3	0.1		1730	1.1	0.3
	2340	5.3	1.6				
13	0435	3.2	1.0	28	0020	5.0	1.5
M	1030	6.2	1.9	Tu	0520	3.4	1.0
	1725	0.2	0.1		1115	5.5	1.7
					1805	1.2	0.4
14	0030	5.3	1.6	29	0110	5.0	1.5
Tu	0520	3.3	1.0	W	0555	3.4	1.0
	1120	6.2	1.9		1150	5.4	1.6
	1820	0.1	0.0		1835	1.4	0.4
15	0140	5.3	1.6	30	0145	5.0	1.5
W	0610	3.4	1.0	Th	0645	3.4	1.0
	1210	6.1	1.9		1225	5.2	1.6
	1905	0.3	0.1		1905	1.6	0.5

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0220	5.0	1.5	16	0245	5.3	1.6
F	0725	3.4	1.0	Sa	0810	2.6	0.8
	1305	5.0	1.5		1420	5.5	1.7
	1940	1.9	0.6		2030	1.5	0.5
2	0255	5.0	1.5	17	0335	5.3	1.6
Sa	0810	3.3	1.0	Su	0910	2.4	0.7
	1400	4.7	1.4		1530	5.2	1.6
	2020	2.2	0.7		2135	2.1	0.6
3	0320	5.1	1.6	18	0410	5.2	1.6
Su	0905	3.1	0.9	M	1020	2.1	0.6
	1500	4.5	1.4		1655	4.9	1.5
	2055	2.5	0.8		2230	2.6	0.8
4	0400	5.2	1.6	19	0455	5.2	1.6
M	1015	2.9	0.9	Tu	1135	1.8	0.5
	1610	4.3	1.3		1820	4.8	1.5
	2145	2.7	0.8		2340	3.1	0.9
5	0435	5.3	1.6	20	0550	5.3	1.6
Tu	1125	2.6	0.8	W	1240	1.6	0.5
	1735	4.3	1.3		1930	4.8	1.5
	2230	2.9	0.9				
6	0515	5.4	1.6	21	0040	3.3	1.0
W	1225	2.2	0.7	Th	0640	5.3	1.6
	1900	4.4	1.3		1330	1.4	0.4
	2340	3.1	0.9		2030	4.8	1.5
7	0605	5.6	1.7	22	0130	3.5	1.1
Th	1315	1.8	0.5	F	0740	5.4	1.6
	1950	4.6	1.4		1425	1.3	0.4
					2120	4.8	1.5
8	0045	3.2	1.0	23	0225	3.5	1.1
F	0700	5.7	1.7	Sa	0810	5.5	1.7
	1410	1.3	0.4		1510	1.2	0.4
	2050	4.8	1.5		2215	4.9	1.5
9	0150	3.2	1.0	24	0310	3.4	1.0
Sa	0800	5.9	1.8	Su	0855	5.6	1.7
	1450	0.8	0.2		1550	1.2	0.4
	2155	5.0	1.5		2245	5.0	1.5
10	0245	3.2	1.0	25	0350	3.3	1.0
Su	0845	6.1	1.9	M	0945	5.6	1.7
	1540	0.5	0.2		1630	1.2	0.4
	2245	5.2	1.6		2320	5.0	1.5
11	0330	3.2	1.0	26	0425	3.3	1.0
M	0930	6.2	1.9	Tu	1015	5.6	1.7
	1630	0.2	0.1		1700	1.3	0.4
	2340	5.4	1.6				
12	0420	3.2	1.0	27	0000	5.1	1.6
Tu	1020	6.3	1.9	W	0515	3.2	1.0
	1720	0.0	0.0		1105	5.5	1.7
					1730	1.4	0.4
13	0020	5.5	1.7	28	0025	5.2	1.6
W	0515	3.1	0.9	Th	0545	3.1	0.9
	1120	6.2	1.9		1145	5.4	1.6
	1815	0.1	0.0		1805	1.6	0.5
14	0110	5.5	1.7	29	0100	5.2	1.6
Th	0600	3.0	0.9	F	0615	3.0	0.9
	1205	6.1	1.9		1215	5.2	1.6
	1855	0.4	0.1		1835	1.8	0.5
15	0205	5.4	1.6	30	0125	5.3	1.6
F	0710	2.8	0.9	Sa	0710	2.9	0.9
	1305	5.9	1.8		1310	5.0	1.5
	1955	0.9	0.3		1900	2.1	0.6
				31	0200	5.3	1.6
				Su	0740	2.8	0.9
					1345	4.8	1.5
					1935	2.4	0.7

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0225	5.3	1.6	16	0320	5.3	1.6
M	0830	2.7	0.8	Tu	0950	1.8	0.5
	1445	4.5	1.4		1655	4.9	1.5
	2020	2.7	0.8		2155	3.2	1.0
2	0300	5.3	1.6	17	0410	5.2	1.6
Tu	0920	2.5	0.8	W	1100	1.8	0.5
	1545	4.3	1.3		1805	4.7	1.4
	2055	3.0	0.9		2310	3.5	1.1
3	0340	5.3	1.6	18	0500	5.2	1.6
W	1030	2.3	0.7	Th	1225	1.7	0.5
	1725	4.2	1.3		1915	4.7	1.4
	2150	3.3	1.0				
4	0415	5.4	1.6	19	0015	3.7	1.1
Th	1145	2.0	0.6	F	0605	5.2	1.6
	1850	4.3	1.3		1325	1.6	0.5
	2245	3.5	1.1		2020	4.7	1.4
5	0520	5.5	1.7	20	0115	3.7	1.1
F	1300	1.7	0.5	Sa	0705	5.3	1.6
	1955	4.5	1.4		1410	1.6	0.5
					2120	4.8	1.5
6	0010	3.6	1.1	21	0200	3.6	1.1
Sa	0620	5.6	1.7	Su	0800	5.4	1.6
	1355	1.2	0.4		1500	1.5	0.5
	2055	4.8	1.5		2155	4.9	1.5
7	0140	3.6	1.1	22	0245	3.4	1.0
Su	0730	5.8	1.8	M	0855	5.5	1.7
	1440	0.8	0.2		1545	1.5	0.5
	2155	5.0	1.5		2220	5.0	1.5
8	0230	3.5	1.1	23	0340	3.2	1.0
M	0830	6.0	1.8	Tu	0930	5.5	1.7
	1535	0.5	0.2		1605	1.6	0.5
	2240	5.3	1.6		2250	5.1	1.6
9	0325	3.2	1.0	24	0410	3.0	0.9
Tu	0930	6.2	1.9	W	1015	5.5	1.7
	1620	0.3	0.1		1640	1.7	0.5
	2320	5.4	1.6		2320	5.3	1.6
10	0420	3.0	0.9	25	0445	2.8	0.9
W	1020	6.3	1.9	Th	1050	5.5	1.7
	1710	0.3	0.1		1705	1.8	0.5
					2350	5.4	1.6
11	0005	5.5	1.7	26	0520	2.7	0.8
Th	0500	2.7	0.8	F	1130	5.4	1.6
	1120	6.3	1.9		1735	2.0	0.6
	1745	0.5	0.2				
12	0040	5.6	1.7	27	0010	5.5	1.7
F	0600	2.4	0.7	Sa	0605	2.5	0.8
	1215	6.1	1.9		1210	5.2	1.6
	1830	0.9	0.3		1800	2.2	0.7
13	0125	5.6	1.7	28	0040	5.5	1.7
Sa	0645	2.1	0.6	Su	0640	2.4	0.7
	1310	5.8	1.8		1250	5.1	1.6
	1915	1.5	0.5		1830	2.4	0.7
14	0155	5.5	1.7	29	0100	5.5	1.7
Su	0750	2.0	0.6	M	0710	2.3	0.7
	1420	5.5	1.7		1335	4.9	1.5
	2005	2.1	0.6		1900	2.7	0.8
15	0230	5.4	1.6	30	0130	5.4	1.6
M	0850	1.9	0.6	Tu	0755	2.2	0.7
	1530	5.1	1.6		1430	4.7	1.4
	2105	2.7	0.8		1945	3.0	0.9
				31	0210	5.4	1.6
				W	0845	2.1	0.6
					1545	4.5	1.4
					2025	3.3	1.0

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0240	5.4	1.6	16	0410	5.1	1.6
Th	0945	2.0	0.6	F	1150	2.0	0.6
	1705	4.4	1.3		1900	4.6	1.4
	2105	3.6	1.1		2350	3.9	1.2
2	0330	5.4	1.6	17	0530	5.1	1.6
F	1105	1.8	0.5	Sa	1245	2.0	0.6
	1840	4.4	1.3		1955	4.7	1.4
	2220	3.8	1.2				
3	0445	5.5	1.7	18	0045	3.8	1.2
Sa	1225	1.6	0.5	Su	0640	5.2	1.6
	1955	4.6	1.4		1350	2.0	0.6
	2345	3.9	1.2		2035	4.8	1.5
4	0555	5.6	1.7	19	0155	3.5	1.1
Su	1335	1.2	0.4	M	0745	5.3	1.6
	2040	4.9	1.5		1425	2.0	0.6
					2100	5.0	1.5
5	0120	3.7	1.1	20	0240	3.2	1.0
M	0720	5.8	1.8	Tu	0830	5.4	1.6
	1420	0.9	0.3		1510	2.0	0.6
	2120	5.1	1.6		2135	5.2	1.6
6	0225	3.3	1.0	21	0310	2.9	0.9
Tu	0830	6.0	1.8	W	0920	5.5	1.7
	1510	0.7	0.2		1540	2.1	0.6
	2200	5.4	1.6		2200	5.4	1.6
7	0315	2.9	0.9	22	0355	2.6	0.8
W	0925	6.2	1.9	Th	1000	5.5	1.7
	1600	0.7	0.2		1610	2.2	0.7
	2245	5.5	1.7		2225	5.5	1.7
8	0410	2.4	0.7	23	0415	2.3	0.7
Th	1015	6.3	1.9	F	1040	5.5	1.7
	1645	0.9	0.3		1640	2.3	0.7
	2325	5.7	1.7		2250	5.7	1.7
9	0450	2.0	0.6	24	0455	2.1	0.6
F	1115	6.3	1.9	Sa	1120	5.5	1.7
	1725	1.3	0.4		1705	2.4	0.7
	2350	5.7	1.7		2315	5.7	1.7
10	0540	1.7	0.5	25	0525	2.0	0.6
Sa	1205	6.1	1.9	Su	1200	5.4	1.6
	1800	1.7	0.5		1740	2.6	0.8
					2355	5.7	1.7
11	0030	5.7	1.7	26	0610	1.8	0.5
Su	0625	1.5	0.5	M	1240	5.3	1.6
	1300	5.8	1.8		1810	2.8	0.9
	1850	2.2	0.7				
12	0110	5.6	1.7	27	0020	5.7	1.7
M	0720	1.4	0.4	Tu	0640	1.8	0.5
	1415	5.5	1.7		1325	5.1	1.6
	1935	2.8	0.9		1835	3.1	0.9
13	0140	5.5	1.7	28	0050	5.6	1.7
Tu	0810	1.5	0.5	W	0715	1.7	0.5
	1510	5.1	1.6		1420	4.9	1.5
	2020	3.2	1.0		1915	3.4	1.0
14	0225	5.4	1.6	29	0120	5.6	1.7
W	0915	1.7	0.5	Th	0815	1.7	0.5
	1625	4.8	1.5		1540	4.7	1.4
	2100	3.6	1.1		1950	3.7	1.1
15	0310	5.2	1.6	30	0155	5.6	1.7
Th	1030	1.9	0.6	F	0925	1.7	0.5
	1750	4.7	1.4		1700	4.6	1.4
	2215	3.9	1.2		2055	4.0	1.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0250	5.6	1.7	16	0420	5.0	1.5
Sa	1035	1.6	0.5	Su	1150	2.4	0.7
	1820	4.7	1.4		1900	4.8	1.5
	2205	4.1	1.2				
2	0405	5.5	1.7	17	0025	3.8	1.2
Su	1155	1.5	0.5	M	0600	4.9	1.5
	1920	4.8	1.5		1300	2.5	0.8
	2350	3.9	1.2		1940	4.9	1.5
3	0540	5.6	1.7	18	0115	3.5	1.1
M	1310	1.4	0.4	Tu	0705	5.0	1.5
	2010	5.1	1.6		1330	2.6	0.8
					2005	5.2	1.6
4	0100	3.5	1.1	19	0200	3.1	0.9
Tu	0700	5.7	1.7	W	0805	5.1	1.6
	1400	1.3	0.4		1405	2.7	0.8
	2100	5.3	1.6		2035	5.4	1.6
5	0200	2.9	0.9	20	0240	2.6	0.8
W	0820	5.9	1.8	Th	0845	5.3	1.6
	1455	1.4	0.4		1445	2.7	0.8
	2120	5.5	1.7		2100	5.7	1.7
6	0300	2.3	0.7	21	0315	2.3	0.7
Th	0930	6.1	1.9	F	0930	5.4	1.6
	1540	1.5	0.5		1515	2.8	0.9
	2155	5.7	1.7		2135	5.8	1.8
7	0350	1.8	0.5	22	0355	1.9	0.6
F	1015	6.2	1.9	Sa	1020	5.5	1.7
	1615	1.8	0.5		1555	2.8	0.9
	2235	5.8	1.8		2155	6.0	1.8
8	0435	1.4	0.4	23	0415	1.7	0.5
Sa	1105	6.1	1.9	Su	1100	5.5	1.7
	1655	2.2	0.7		1615	2.9	0.9
	2305	5.9	1.8		2240	6.0	1.8
9	0515	1.1	0.3	24	0500	1.5	0.5
Su	1205	6.0	1.8	M	1140	5.5	1.7
	1745	2.6	0.8		1655	3.1	0.9
	2330	5.9	1.8		2255	6.0	1.8
10	0600	1.1	0.3	25	0530	1.3	0.4
M	1250	5.7	1.7	Tu	1220	5.5	1.7
	1815	3.0	0.9		1730	3.3	1.0
					2340	6.0	1.8
11	0000	5.8	1.8	26	0615	1.2	0.4
Tu	0650	1.2	0.4	W	1325	5.4	1.6
	1350	5.4	1.6		1810	3.6	1.1
	1850	3.3	1.0				
12	0045	5.6	1.7	27	0000	5.9	1.8
W	0735	1.4	0.4	Th	0705	1.2	0.4
	1445	5.1	1.6		1425	5.2	1.6
	1930	3.7	1.1		1850	3.8	1.2
13	0125	5.5	1.7	28	0040	5.9	1.8
Th	0820	1.7	0.5	F	0755	1.2	0.4
	1550	4.8	1.5		1535	5.0	1.5
	2015	3.9	1.2		1945	4.1	1.2
14	0205	5.3	1.6	29	0130	5.8	1.8
F	0925	2.1	0.6	Sa	0900	1.4	0.4
	1700	4.7	1.4		1650	5.0	1.5
	2110	4.1	1.2		2045	4.2	1.3
15	0255	5.1	1.6	30	0230	5.7	1.7
Sa	1045	2.3	0.7	Su	1010	1.5	0.5
	1810	4.7	1.4		1755	5.1	1.6
	2255	4.1	1.2		2205	4.1	1.2
				31	0350	5.5	1.7
				M	1125	1.7	0.5
					1855	5.2	1.6
					2355	3.7	1.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0545	5.5	1.7	16	0050	3.3	1.0
Tu	1230	1.8	0.5	W	0630	4.8	1.5
	1930	5.3	1.6		1220	3.1	0.9
					1850	5.5	1.7
2	0100	3.1	0.9	17	0135	2.9	0.9
W	0700	5.6	1.7	Th	0730	4.9	1.5
	1330	2.0	0.6		1310	3.2	1.0
	2010	5.6	1.7		1930	5.8	1.8
3	0150	2.4	0.7	18	0200	2.4	0.7
Th	0825	5.7	1.7	F	0820	5.0	1.5
	1420	2.2	0.7		1350	3.2	1.0
	2040	5.7	1.7		2005	6.0	1.8
4	0250	1.8	0.5	19	0250	2.0	0.6
F	0925	5.9	1.8	Sa	0910	5.2	1.6
	1510	2.5	0.8		1430	3.3	1.0
	2110	5.9	1.8		2040	6.2	1.9
5	0330	1.3	0.4	20	0325	1.7	0.5
Sa	1015	5.9	1.8	Su	1000	5.4	1.6
	1550	2.8	0.9		1515	3.3	1.0
	2150	6.0	1.8		2110	6.2	1.9
6	0410	1.0	0.3	21	0355	1.4	0.4
Su	1115	5.9	1.8	M	1045	5.5	1.7
	1620	3.0	0.9		1555	3.4	1.0
	2215	6.1	1.9		2150	6.3	1.9
7	0455	0.9	0.3	22	0440	1.1	0.3
M	1150	5.8	1.8	Tu	1130	5.6	1.7
	1710	3.3	1.0		1635	3.6	1.1
	2245	6.0	1.8		2215	6.3	1.9
8	0535	1.0	0.3	23	0515	0.9	0.3
Tu	1235	5.6	1.7	W	1230	5.6	1.7
	1745	3.6	1.1		1705	3.7	1.1
	2335	5.9	1.8		2255	6.3	1.9
9	0625	1.2	0.4	24	0600	0.8	0.2
W	1330	5.4	1.6	Th	1325	5.6	1.7
	1825	3.8	1.2		1750	4.0	1.2
					2340	6.2	1.9
10	0005	5.8	1.8	25	0645	0.8	0.2
Th	0700	1.5	0.5	F	1415	5.5	1.7
	1420	5.2	1.6		1845	4.1	1.2
	1900	4.0	1.2				
11	0045	5.6	1.7	26	0025	6.1	1.9
F	0745	1.8	0.5	Sa	0740	0.9	0.3
	1520	5.0	1.5		1525	5.4	1.6
	1940	4.1	1.2		1935	4.2	1.3
12	0120	5.4	1.6	27	0130	5.9	1.8
Sa	0845	2.1	0.6	Su	0835	1.2	0.4
	1625	5.0	1.5		1625	5.4	1.6
	2035	4.2	1.3		2055	4.1	1.2
13	0220	5.1	1.6	28	0240	5.7	1.7
Su	0935	2.4	0.7	M	0950	1.6	0.5
	1705	5.0	1.5		1720	5.4	1.6
	2210	4.1	1.2		2220	3.8	1.2
14	0330	4.9	1.5	29	0405	5.4	1.6
M	1040	2.7	0.8	Tu	1050	2.0	0.6
	1800	5.1	1.6		1805	5.5	1.7
	2350	3.8	1.2		2345	3.3	1.0
15	0510	4.8	1.5	30	0550	5.3	1.6
Tu	1135	2.9	0.9	W	1200	2.4	0.7
	1820	5.3	1.6		1845	5.6	1.7

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0050	2.6	0.8	16	0045	2.7	0.8
Th	0705	5.4	1.6	F	0705	4.7	1.4
	1255	2.7	0.8		1155	3.5	1.1
	1930	5.8	1.8		1835	6.0	1.8
2	0145	1.9	0.6	17	0130	2.3	0.7
F	0820	5.5	1.7	Sa	0805	4.9	1.5
	1355	3.0	0.9		1245	3.5	1.1
	1955	6.0	1.8		1915	6.2	1.9
3	0235	1.5	0.5	18	0220	1.9	0.6
Sa	0920	5.6	1.7	Su	0850	5.1	1.6
	1430	3.2	1.0		1350	3.6	1.1
	2035	6.1	1.9		1955	6.3	1.9
4	0320	1.1	0.3	19	0300	1.5	0.5
Su	1010	5.6	1.7	M	0950	5.3	1.6
	1520	3.4	1.0		1440	3.6	1.1
	2110	6.2	1.9		2045	6.4	2.0
5	0405	1.0	0.3	20	0335	1.2	0.4
M	1110	5.6	1.7	Tu	1040	5.5	1.7
	1600	3.6	1.1		1520	3.7	1.1
	2200	6.2	1.9		2115	6.5	2.0
6	0445	1.0	0.3	21	0415	0.8	0.2
Tu	1145	5.5	1.7	W	1120	5.6	1.7
	1640	3.7	1.1		1610	3.8	1.2
	2230	6.2	1.9		2205	6.6	2.0
7	0520	1.1	0.3	22	0500	0.6	0.2
W	1235	5.5	1.7	Th	1225	5.7	1.7
	1725	3.8	1.2		1700	3.9	1.2
	2305	6.1	1.9		2255	6.6	2.0
8	0600	1.2	0.4	23	0550	0.5	0.2
Th	1315	5.4	1.6	F	1315	5.8	1.8
	1800	4.0	1.2		1800	4.0	1.2
	2345	5.9	1.8		2340	6.5	2.0
9	0650	1.5	0.5	24	0645	0.6	0.2
F	1400	5.3	1.6	Sa	1405	5.8	1.8
	1840	4.1	1.2		1845	4.0	1.2
10	0030	5.7	1.7	25	0030	6.3	1.9
Sa	0720	1.8	0.5	Su	0740	0.8	0.2
	1445	5.3	1.6		1505	5.7	1.7
	1925	4.1	1.2		1945	3.8	1.2
11	0110	5.5	1.7	26	0130	6.0	1.8
Su	0800	2.1	0.6	M	0825	1.2	0.4
	1535	5.3	1.6		1555	5.7	1.7
	2020	4.0	1.2		2050	3.6	1.1
12	0155	5.2	1.6	27	0250	5.7	1.7
M	0850	2.5	0.8	Tu	0920	1.8	0.5
	1600	5.3	1.6		1630	5.7	1.7
	2130	3.9	1.2		2210	3.2	1.0
13	0305	4.9	1.5	28	0415	5.4	1.6
Tu	0925	2.8	0.9	W	1025	2.4	0.7
	1645	5.5	1.7		1720	5.7	1.7
	2300	3.6	1.1		2325	2.7	0.8
14	0420	4.7	1.4	29	0555	5.3	1.6
W	1015	3.1	0.9	Th	1135	2.9	0.9
	1720	5.6	1.7		1800	5.8	1.8
15	0005	3.2	1.0	30	0040	2.2	0.7
Th	0600	4.6	1.4	F	0700	5.2	1.6
	1110	3.3	1.0		1235	3.3	1.0
	1750	5.8	1.8		1850	5.9	1.8
				31	0130	1.8	0.5
				Sa	0820	5.3	1.6
					1315	3.5	1.1
					1930	6.0	1.8

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0525	0.0	0.0	16	0535	1.2	0.4
Sa	1225	7.3	2.2	Su	1225	6.3	1.9
	1845	1.5	0.5		1855	2.1	0.6
2	0010	5.1	1.6	17	0010	4.9	1.5
Su	0615	0.3	0.1	M	0610	1.3	0.4
	1300	7.1	2.2		1300	6.1	1.9
	1935	1.6	0.5		1925	2.1	0.6
3	0055	5.0	1.5	18	0055	4.9	1.5
M	0715	0.7	0.2	Tu	0655	1.5	0.5
	1400	6.7	2.0		1335	5.8	1.8
	2020	1.8	0.5		1950	2.2	0.7
4	0150	4.9	1.5	19	0130	4.9	1.5
Tu	0810	1.1	0.3	W	0735	1.7	0.5
	1450	6.2	1.9		1405	5.5	1.7
	2120	1.9	0.6		2035	2.2	0.7
5	0255	4.9	1.5	20	0220	4.8	1.5
W	0910	1.6	0.5	Th	0825	2.0	0.6
	1550	5.7	1.7		1455	5.3	1.6
	2210	2.0	0.6		2110	2.1	0.6
6	0410	4.9	1.5	21	0310	4.8	1.5
Th	1025	2.1	0.6	F	0920	2.3	0.7
	1650	5.3	1.6		1535	5.0	1.5
	2305	2.1	0.6		2205	2.0	0.6
7	0535	5.0	1.5	22	0415	4.8	1.5
F	1155	2.4	0.7	Sa	1030	2.5	0.8
	1750	4.9	1.5		1620	4.7	1.4
					2255	1.8	0.5
8	0000	2.1	0.6	23	0540	5.0	1.5
Sa	0645	5.3	1.6	Su	1155	2.6	0.8
	1300	2.6	0.8		1725	4.6	1.4
	1850	4.6	1.4				
9	0110	2.0	0.6	24	0000	1.5	0.5
Su	0800	5.5	1.7	M	0700	5.4	1.6
	1425	2.6	0.8		1300	2.5	0.8
	1955	4.5	1.4		1830	4.5	1.4
10	0155	1.8	0.5	25	0105	1.2	0.4
M	0850	5.8	1.8	Tu	0805	5.9	1.8
	1520	2.6	0.8		1415	2.3	0.7
	2035	4.5	1.4		1940	4.6	1.4
11	0245	1.7	0.5	26	0200	0.8	0.2
Tu	0935	6.1	1.9	W	0855	6.4	2.0
	1605	2.5	0.8		1515	2.0	0.6
	2120	4.5	1.4		2040	4.8	1.5
12	0320	1.5	0.5	27	0250	0.4	0.1
W	1020	6.3	1.9	Th	0955	6.8	2.1
	1635	2.4	0.7		1600	1.7	0.5
	2150	4.6	1.4		2140	5.0	1.5
13	0400	1.3	0.4	28	0345	0.2	0.1
Th	1045	6.4	2.0	F	1040	7.1	2.2
	1715	2.3	0.7		1655	1.4	0.4
	2230	4.8	1.5		2220	5.2	1.6
14	0440	1.2	0.4	29	0435	0.0	0.0
F	1115	6.4	2.0	Sa	1125	7.3	2.2
	1750	2.2	0.7		1740	1.2	0.4
	2310	4.9	1.5		2310	5.3	1.6
15	0510	1.1	0.3	30	0525	0.0	0.0
Sa	1150	6.4	2.0	Su	1210	7.2	2.2
	1820	2.2	0.7		1820	1.1	0.3
	2335	4.9	1.5				
				31	0000	5.4	1.6
				M	0615	0.2	0.1
					1255	6.9	2.1
					1900	1.2	0.4

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0055	5.4	1.6	16	0035	5.3	1.6
Tu	0655	0.6	0.2	W	0640	1.2	0.4
	1340	6.5	2.0		1300	5.7	1.7
	1950	1.3	0.4		1910	1.6	0.5
2	0135	5.4	1.6	17	0105	5.3	1.6
W	0745	1.0	0.3	Th	0710	1.4	0.4
	1425	5.9	1.8		1330	5.4	1.6
	2035	1.5	0.5		1950	1.5	0.5
3	0235	5.2	1.6	18	0145	5.2	1.6
Th	0855	1.6	0.5	F	0800	1.7	0.5
	1505	5.3	1.6		1410	5.0	1.5
	2125	1.7	0.5		2020	1.5	0.5
4	0335	5.1	1.6	19	0240	5.1	1.6
F	0955	2.1	0.6	Sa	0845	2.0	0.6
	1600	4.8	1.5		1445	4.7	1.4
	2225	1.9	0.6		2110	1.5	0.5
5	0455	5.0	1.5	20	0350	5.0	1.5
Sa	1120	2.5	0.8	Su	1000	2.4	0.7
	1700	4.3	1.3		1540	4.4	1.3
	2320	2.1	0.6		2205	1.4	0.4
6	0620	5.0	1.5	21	0510	5.1	1.6
Su	1240	2.8	0.9	M	1125	2.5	0.8
	1800	4.1	1.2		1640	4.2	1.3
					2320	1.4	0.4
7	0015	2.1	0.6	22	0625	5.3	1.6
M	0730	5.2	1.6	Tu	1240	2.5	0.8
	1400	2.8	0.9		1805	4.1	1.2
	1925	4.0	1.2				
8	0125	2.0	0.6	23	0040	1.2	0.4
Tu	0835	5.5	1.7	W	0735	5.6	1.7
	1505	2.7	0.8		1400	2.3	0.7
	2025	4.1	1.2		1920	4.3	1.3
9	0215	1.8	0.5	24	0140	1.0	0.3
W	0925	5.7	1.7	Th	0840	6.1	1.9
	1550	2.5	0.8		1510	1.9	0.6
	2110	4.3	1.3		2040	4.6	1.4
10	0300	1.6	0.5	25	0245	0.7	0.2
Th	1005	5.9	1.8	F	0935	6.4	2.0
	1620	2.4	0.7		1550	1.5	0.5
	2145	4.6	1.4		2130	5.0	1.5
11	0350	1.4	0.4	26	0330	0.3	0.1
F	1040	6.1	1.9	Sa	1025	6.7	2.0
	1655	2.2	0.7		1635	1.2	0.4
	2220	4.8	1.5		2225	5.4	1.6
12	0430	1.2	0.4	27	0425	0.2	0.1
Sa	1110	6.2	1.9	Su	1105	6.8	2.1
	1715	2.0	0.6		1725	0.9	0.3
	2300	5.0	1.5		2310	5.7	1.7
13	0450	1.0	0.3	28	0510	0.1	0.0
Su	1135	6.2	1.9	M	1145	6.7	2.0
	1745	1.8	0.5		1800	0.8	0.2
	2320	5.2	1.6		2355	5.9	1.8
14	0520	1.0	0.3				
M	1200	6.1	1.9				
	1820	1.7	0.5				
	2355	5.3	1.6				
15	0600	1.0	0.3				
Tu	1230	5.9	1.8				
	1850	1.6	0.5				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0600	0.3	0.1	16	0545	0.9	0.3
Tu	1220	6.4	2.0	W	1155	5.6	1.7
	1830	0.8	0.2		1810	1.0	0.3
2	0035	5.9	1.8	17	0010	5.7	1.7
W	0650	0.6	0.2	Th	0625	1.0	0.3
	1310	6.0	1.8		1220	5.3	1.6
	1915	1.0	0.3		1840	0.9	0.3
3	0115	5.8	1.8	18	0055	5.7	1.7
Th	0740	1.0	0.3	F	0700	1.2	0.4
	1345	5.4	1.6		1255	5.0	1.5
	1950	1.2	0.4		1900	0.9	0.3
4	0210	5.5	1.7	19	0135	5.6	1.7
F	0820	1.6	0.5	Sa	0745	1.5	0.5
	1415	4.9	1.5		1330	4.7	1.4
	2030	1.5	0.5		1950	1.0	0.3
5	0255	5.2	1.6	20	0225	5.4	1.6
Sa	0925	2.1	0.6	Su	0835	1.9	0.6
	1510	4.3	1.3		1405	4.5	1.4
	2120	1.8	0.5		2040	1.0	0.3
6	0400	5.0	1.5	21	0315	5.3	1.6
Su	1045	2.6	0.8	M	0945	2.2	0.7
	1555	3.9	1.2		1500	4.2	1.3
	2220	2.1	0.6		2130	1.2	0.4
7	0530	4.8	1.5	22	0435	5.1	1.6
M	1210	2.9	0.9	Tu	1105	2.4	0.7
	1715	3.7	1.1		1610	4.0	1.2
	2340	2.2	0.7		2300	1.3	0.4
8	0705	4.9	1.5	23	0610	5.2	1.6
Tu	1345	2.9	0.9	W	1215	2.4	0.7
	1900	3.7	1.1		1755	4.0	1.2
9	0045	2.2	0.7	24	0010	1.3	0.4
W	0815	5.1	1.6	Th	0725	5.5	1.7
	1450	2.7	0.8		1345	2.2	0.7
	2000	3.9	1.2		1925	4.3	1.3
10	0155	2.0	0.6	25	0130	1.2	0.4
Th	0900	5.3	1.6	F	0815	5.8	1.8
	1525	2.5	0.8		1440	1.8	0.5
	2055	4.3	1.3		2030	4.7	1.4
11	0250	1.7	0.5	26	0240	0.9	0.3
F	0940	5.6	1.7	Sa	0910	6.0	1.8
	1555	2.2	0.7		1535	1.4	0.4
	2125	4.6	1.4		2115	5.3	1.6
12	0330	1.5	0.5	27	0330	0.6	0.2
Sa	1010	5.8	1.8	Su	0955	6.2	1.9
	1615	1.9	0.6		1610	1.0	0.3
	2200	5.0	1.5		2205	5.7	1.7
13	0405	1.2	0.4	28	0425	0.4	0.1
Su	1035	5.9	1.8	M	1035	6.2	1.9
	1655	1.6	0.5		1645	0.7	0.2
	2235	5.3	1.6		2245	6.1	1.9
14	0430	1.0	0.3	29	0505	0.4	0.1
M	1100	5.9	1.8	Tu	1120	6.0	1.8
	1710	1.4	0.4		1725	0.6	0.2
	2310	5.5	1.7		2335	6.2	1.9
15	0500	0.9	0.3	30	0550	0.5	0.2
Tu	1125	5.8	1.8	W	1150	5.7	1.7
	1735	1.2	0.4		1805	0.7	0.2
	2330	5.7	1.7				
				31	0010	6.2	1.9
				Th	0630	0.8	0.2
					1230	5.3	1.6
					1830	0.8	0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0050	6.0	1.8	16	0035	6.2	1.9
F	0715	1.3	0.4	Sa	0655	1.3	0.4
	1310	4.9	1.5		1225	4.8	1.5
	1905	1.1	0.3		1830	0.4	0.1
2	0140	5.7	1.7	17	0120	6.0	1.8
Sa	0800	1.8	0.5	Su	0730	1.6	0.5
	1335	4.4	1.3		1305	4.5	1.4
	1955	1.4	0.4		1920	0.6	0.2
3	0220	5.4	1.6	18	0200	5.8	1.8
Su	0910	2.2	0.7	M	0835	1.9	0.6
	1420	4.0	1.2		1350	4.3	1.3
	2040	1.8	0.5		2000	0.8	0.2
4	0325	5.0	1.5	19	0305	5.5	1.7
M	1015	2.6	0.8	Tu	0935	2.1	0.6
	1510	3.7	1.1		1445	4.0	1.2
	2130	2.1	0.6		2110	1.2	0.4
5	0445	4.8	1.5	20	0420	5.3	1.6
Tu	1135	2.8	0.9	W	1045	2.2	0.7
	1615	3.5	1.1		1600	3.9	1.2
	2255	2.3	0.7		2235	1.4	0.4
6	0620	4.7	1.4	21	0545	5.3	1.6
W	1255	2.8	0.9	Th	1210	2.2	0.7
	1800	3.6	1.1		1750	4.1	1.2
7	0005	2.3	0.7	22	0000	1.5	0.5
Th	0720	4.9	1.5	F	0655	5.4	1.6
	1400	2.7	0.8		1315	2.0	0.6
	1920	3.9	1.2		1910	4.5	1.4
8	0115	2.2	0.7	23	0125	1.4	0.4
F	0810	5.0	1.5	Sa	0755	5.5	1.7
	1435	2.4	0.7		1410	1.6	0.5
	2020	4.3	1.3		2015	5.0	1.5
9	0220	1.9	0.6	24	0225	1.2	0.4
Sa	0855	5.2	1.6	Su	0850	5.6	1.7
	1510	2.1	0.6		1500	1.3	0.4
	2055	4.7	1.4		2100	5.6	1.7
10	0300	1.7	0.5	25	0325	1.0	0.3
Su	0930	5.4	1.6	M	0935	5.6	1.7
	1540	1.8	0.5		1540	1.0	0.3
	2135	5.2	1.6		2150	6.0	1.8
11	0335	1.4	0.4	26	0400	0.8	0.2
M	0945	5.5	1.7	Tu	1005	5.5	1.7
	1600	1.4	0.4		1625	0.8	0.2
	2215	5.5	1.7		2240	6.3	1.9
12	0415	1.2	0.4	27	0445	0.9	0.3
Tu	1030	5.5	1.7	W	1055	5.4	1.6
	1640	1.1	0.3		1650	0.7	0.2
	2240	5.8	1.8		2310	6.4	2.0
13	0445	1.0	0.3	28	0540	1.0	0.3
W	1045	5.4	1.6	Th	1115	5.1	1.6
	1705	0.8	0.2		1725	0.7	0.2
	2320	6.1	1.9		2350	6.3	1.9
14	0525	1.0	0.3	29	0615	1.3	0.4
Th	1125	5.3	1.6	F	1155	4.8	1.5
	1730	0.6	0.2		1800	0.8	0.2
	2350	6.2	1.9				
15	0615	1.1	0.3	30	0035	6.1	1.9
F	1150	5.0	1.5	Sa	0705	1.6	0.5
	1805	0.5	0.2		1230	4.5	1.4
					1845	1.0	0.3

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0115	5.8	1.8	16	0100	6.4	2.0
Su	0755	2.0	0.6	M	0735	1.7	0.5
	1310	4.2	1.3		1255	4.5	1.4
	1905	1.4	0.4		1905	0.4	0.1
2	0210	5.5	1.7	17	0210	6.1	1.9
M	0845	2.4	0.7	Tu	0825	1.9	0.6
	1345	4.0	1.2		1340	4.3	1.3
	1945	1.7	0.5		1955	0.8	0.2
3	0305	5.2	1.6	18	0310	5.9	1.8
Tu	0950	2.6	0.8	W	0935	2.0	0.6
	1440	3.8	1.2		1450	4.1	1.2
	2055	2.0	0.6		2110	1.1	0.3
4	0405	4.9	1.5	19	0415	5.6	1.7
W	1055	2.7	0.8	Th	1045	2.1	0.6
	1550	3.7	1.1		1600	4.2	1.3
	2200	2.3	0.7		2220	1.5	0.5
5	0525	4.8	1.5	20	0515	5.4	1.6
Th	1145	2.7	0.8	F	1135	2.0	0.6
	1715	3.8	1.2		1730	4.4	1.3
	2320	2.4	0.7		2350	1.6	0.5
6	0625	4.8	1.5	21	0625	5.3	1.6
F	1250	2.6	0.8	Sa	1240	1.8	0.5
	1840	4.1	1.2		1850	4.8	1.5
7	0035	2.3	0.7	22	0110	1.6	0.5
Sa	0705	4.9	1.5	Su	0720	5.2	1.6
	1340	2.3	0.7		1330	1.6	0.5
	1940	4.5	1.4		1955	5.3	1.6
8	0135	2.2	0.7	23	0205	1.5	0.5
Su	0745	5.0	1.5	M	0815	5.2	1.6
	1410	2.0	0.6		1420	1.4	0.4
	2025	4.9	1.5		2055	5.8	1.8
9	0220	1.9	0.6	24	0315	1.5	0.5
M	0835	5.1	1.6	Tu	0905	5.1	1.6
	1450	1.6	0.5		1500	1.1	0.3
	2100	5.3	1.6		2130	6.1	1.9
10	0300	1.6	0.5	25	0355	1.4	0.4
Tu	0910	5.1	1.6	W	0940	5.0	1.5
	1525	1.2	0.4		1555	1.0	0.3
	2135	5.8	1.8		2220	6.3	1.9
11	0345	1.4	0.4	26	0435	1.5	0.5
W	0940	5.1	1.6	Th	1020	4.8	1.5
	1545	0.8	0.2		1620	0.9	0.3
	2220	6.1	1.9		2300	6.3	1.9
12	0435	1.3	0.4	27	0515	1.6	0.5
Th	1015	5.1	1.6	F	1050	4.7	1.4
	1620	0.5	0.2		1700	0.9	0.3
	2255	6.4	2.0		2335	6.3	1.9
13	0505	1.2	0.4	28	0610	1.8	0.5
F	1055	5.0	1.5	Sa	1130	4.6	1.4
	1700	0.2	0.1		1740	1.0	0.3
	2330	6.5	2.0				
14	0550	1.3	0.4	29	0020	6.1	1.9
Sa	1125	4.8	1.5	Su	0650	2.0	0.6
	1730	0.2	0.1		1210	4.4	1.3
					1800	1.1	0.3
15	0025	6.5	2.0	30	0105	5.9	1.8
Su	0640	1.5	0.5	M	0735	2.2	0.7
	1210	4.7	1.4		1240	4.3	1.3
	1815	0.2	0.1		1850	1.4	0.4
				31	0150	5.6	1.7
				Tu	0825	2.4	0.7
					1320	4.2	1.3
					1930	1.7	0.5

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0230	5.4	1.6	16	0250	6.1	1.9
W	0910	2.5	0.8	Th	0915	1.8	0.5
	1410	4.1	1.2		1450	4.5	1.4
	2025	1.9	0.6		2100	1.1	0.3
2	0330	5.2	1.6	17	0350	5.8	1.8
Th	1005	2.6	0.8	F	1010	1.8	0.5
	1510	4.0	1.2		1555	4.6	1.4
	2130	2.2	0.7		2215	1.5	0.5
3	0415	5.0	1.5	18	0455	5.5	1.7
F	1045	2.5	0.8	Sa	1105	1.8	0.5
	1630	4.1	1.2		1715	4.8	1.5
	2230	2.3	0.7		2330	1.7	0.5
4	0515	4.9	1.5	19	0550	5.2	1.6
Sa	1130	2.4	0.7	Su	1215	1.7	0.5
	1735	4.3	1.3		1825	5.1	1.6
	2330	2.4	0.7				
5	0605	4.9	1.5	20	0045	1.9	0.6
Su	1220	2.2	0.7	M	0645	5.0	1.5
	1835	4.6	1.4		1300	1.6	0.5
					1940	5.4	1.6
6	0040	2.3	0.7	21	0145	1.9	0.6
M	0655	4.9	1.5	Tu	0745	4.8	1.5
	1310	1.9	0.6		1345	1.5	0.5
	1940	5.0	1.5		2035	5.7	1.7
7	0140	2.2	0.7	22	0245	2.0	0.6
Tu	0740	4.9	1.5	W	0835	4.6	1.4
	1350	1.5	0.5		1435	1.4	0.4
	2020	5.5	1.7		2130	5.9	1.8
8	0230	2.0	0.6	23	0345	2.0	0.6
W	0820	4.9	1.5	Th	0915	4.6	1.4
	1430	1.1	0.3		1515	1.2	0.4
	2110	5.9	1.8		2200	6.1	1.9
9	0320	1.8	0.5	24	0430	2.1	0.6
Th	0900	4.9	1.5	F	0950	4.5	1.4
	1515	0.7	0.2		1600	1.1	0.3
	2155	6.3	1.9		2255	6.2	1.9
10	0410	1.6	0.5	25	0510	2.1	0.6
F	0940	4.8	1.5	Sa	1040	4.5	1.4
	1550	0.3	0.1		1635	1.1	0.3
	2235	6.6	2.0		2330	6.2	1.9
11	0500	1.5	0.5	26	0550	2.1	0.6
Sa	1020	4.8	1.5	Su	1105	4.6	1.4
	1645	0.1	0.0		1715	1.1	0.3
	2320	6.8	2.1				
12	0550	1.5	0.5	27	0000	6.1	1.9
Su	1100	4.8	1.5	M	0635	2.2	0.7
	1720	0.0	0.0		1150	4.6	1.4
					1800	1.2	0.4
13	0010	6.8	2.1	28	0050	6.0	1.8
M	0640	1.5	0.5	Tu	0710	2.2	0.7
	1145	4.7	1.4		1220	4.5	1.4
	1805	0.1	0.0		1830	1.4	0.4
14	0105	6.7	2.0	29	0120	5.8	1.8
Tu	0720	1.6	0.5	W	0745	2.3	0.7
	1245	4.6	1.4		1310	4.5	1.4
	1850	0.4	0.1		1905	1.6	0.5
15	0155	6.4	2.0	30	0210	5.6	1.7
W	0825	1.7	0.5	Th	0830	2.4	0.7
	1340	4.5	1.4		1355	4.5	1.4
	1945	0.7	0.2		1950	1.8	0.5

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0250	5.4	1.6	16	0320	5.7	1.7
F	0905	2.4	0.7	Sa	0935	1.6	0.5
	1435	4.5	1.4		1530	5.1	1.6
	2050	2.0	0.6		2150	1.5	0.5
2	0330	5.1	1.6	17	0425	5.3	1.6
Sa	0945	2.3	0.7	Su	1035	1.7	0.5
	1540	4.5	1.4		1650	5.1	1.6
	2145	2.2	0.7		2300	1.9	0.6
3	0415	4.9	1.5	18	0520	4.9	1.5
Su	1040	2.2	0.7	M	1120	1.8	0.5
	1635	4.6	1.4		1800	5.2	1.6
	2250	2.3	0.7				
4	0500	4.8	1.5	19	0025	2.2	0.7
M	1115	2.0	0.6	Tu	0615	4.6	1.4
	1750	4.8	1.5		1215	1.8	0.5
	2350	2.4	0.7		1910	5.4	1.6
5	0600	4.7	1.4	20	0135	2.3	0.7
Tu	1210	1.8	0.5	W	0710	4.4	1.3
	1845	5.1	1.6		1325	1.7	0.5
					2020	5.5	1.7
6	0105	2.4	0.7	21	0235	2.4	0.7
W	0645	4.6	1.4	Th	0800	4.3	1.3
	1310	1.4	0.4		1415	1.6	0.5
	1945	5.5	1.7		2115	5.7	1.7
7	0210	2.2	0.7	22	0345	2.4	0.7
Th	0735	4.6	1.4	F	0855	4.3	1.3
	1355	1.0	0.3		1505	1.5	0.5
	2050	6.0	1.8		2200	5.9	1.8
8	0305	2.0	0.6	23	0430	2.4	0.7
F	0830	4.7	1.4	Sa	0940	4.5	1.4
	1450	0.6	0.2		1550	1.3	0.4
	2130	6.4	2.0		2240	6.0	1.8
9	0355	1.8	0.5	24	0505	2.3	0.7
Sa	0925	4.8	1.5	Su	1025	4.6	1.4
	1535	0.3	0.1		1620	1.3	0.4
	2220	6.7	2.0		2320	6.1	1.9
10	0450	1.7	0.5	25	0545	2.2	0.7
Su	1000	4.9	1.5	M	1050	4.8	1.5
	1625	0.1	0.0		1700	1.2	0.4
	2310	6.9	2.1		2355	6.1	1.9
11	0540	1.5	0.5	26	0600	2.2	0.7
M	1055	4.9	1.5	Tu	1135	4.9	1.5
	1710	0.0	0.0		1730	1.2	0.4
12	0000	7.0	2.1	27	0015	6.0	1.8
Tu	0615	1.4	0.4	W	0640	2.1	0.6
	1150	5.0	1.5		1200	5.0	1.5
	1755	0.1	0.0		1805	1.3	0.4
13	0055	6.9	2.1	28	0050	5.8	1.8
W	0705	1.4	0.4	Th	0710	2.1	0.6
	1235	5.0	1.5		1245	5.0	1.5
	1855	0.3	0.1		1850	1.4	0.4
14	0135	6.6	2.0	29	0125	5.6	1.7
Th	0800	1.5	0.5	F	0745	2.1	0.6
	1340	5.0	1.5		1315	5.0	1.5
	1950	0.7	0.2		1925	1.6	0.5
15	0235	6.2	1.9	30	0205	5.4	1.6
F	0855	1.5	0.5	Sa	0820	2.1	0.6
	1435	5.0	1.5		1410	4.9	1.5
	2050	1.1	0.3		2010	1.8	0.5
				31	0235	5.1	1.6
				Su	0850	2.0	0.6
					1450	4.9	1.5
					2110	2.1	0.6

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0320	4.9	1.5	16	0435	4.5	1.4
M	0935	2.0	0.6	Tu	1050	1.9	0.6
	1550	4.9	1.5		1735	5.2	1.6
	2210	2.3	0.7				
2	0405	4.7	1.4	17	0005	2.5	0.8
Tu	1025	1.8	0.5	W	0530	4.2	1.3
	1705	4.9	1.5		1155	1.9	0.6
	2315	2.5	0.8		1855	5.2	1.6
3	0450	4.5	1.4	18	0115	2.7	0.8
W	1120	1.6	0.5	Th	0650	4.0	1.2
	1820	5.2	1.6		1250	2.0	0.6
					2005	5.4	1.6
4	0025	2.5	0.8	19	0235	2.7	0.8
Th	0550	4.4	1.3	F	0745	4.1	1.2
	1220	1.4	0.4		1355	1.9	0.6
	1920	5.5	1.7		2110	5.6	1.7
5	0135	2.5	0.8	20	0325	2.7	0.8
F	0705	4.4	1.3	Sa	0850	4.3	1.3
	1325	1.1	0.3		1500	1.7	0.5
	2020	6.0	1.8		2155	5.8	1.8
6	0250	2.2	0.7	21	0405	2.5	0.8
Sa	0800	4.6	1.4	Su	0930	4.6	1.4
	1420	0.7	0.2		1530	1.5	0.5
	2125	6.4	2.0		2215	5.9	1.8
7	0340	1.9	0.6	22	0440	2.3	0.7
Su	0910	4.8	1.5	M	1010	4.9	1.5
	1520	0.4	0.1		1610	1.4	0.4
	2205	6.7	2.0		2245	6.0	1.8
8	0435	1.6	0.5	23	0505	2.1	0.6
M	1000	5.0	1.5	Tu	1035	5.1	1.6
	1605	0.2	0.1		1650	1.3	0.4
	2255	6.9	2.1		2325	6.0	1.8
9	0520	1.4	0.4	24	0530	2.0	0.6
Tu	1045	5.3	1.6	W	1110	5.3	1.6
	1700	0.1	0.0		1720	1.2	0.4
	2345	6.9	2.1		2355	5.9	1.8
10	0605	1.2	0.4	25	0605	1.8	0.5
W	1135	5.5	1.7	Th	1145	5.4	1.6
	1755	0.1	0.0		1745	1.2	0.4
11	0030	6.8	2.1	26	0020	5.8	1.8
Th	0650	1.1	0.3	F	0630	1.8	0.5
	1225	5.6	1.7		1220	5.5	1.7
	1835	0.4	0.1		1820	1.3	0.4
12	0115	6.4	2.0	27	0050	5.6	1.7
F	0730	1.2	0.4	Sa	0655	1.7	0.5
	1320	5.6	1.7		1250	5.4	1.6
	1935	0.7	0.2		1905	1.5	0.5
13	0200	6.0	1.8	28	0120	5.3	1.6
Sa	0810	1.3	0.4	Su	0725	1.7	0.5
	1405	5.5	1.7		1340	5.4	1.6
	2030	1.2	0.4		1945	1.8	0.5
14	0255	5.5	1.7	29	0155	5.0	1.5
Su	0900	1.5	0.5	M	0805	1.7	0.5
	1500	5.4	1.6		1425	5.3	1.6
	2135	1.7	0.5		2040	2.1	0.6
15	0335	5.0	1.5	30	0220	4.7	1.4
M	1000	1.7	0.5	Tu	0850	1.6	0.5
	1615	5.2	1.6		1520	5.1	1.6
	2245	2.2	0.7		2140	2.4	0.7
				31	0305	4.5	1.4
				W	0940	1.6	0.5
					1625	5.1	1.6
					2250	2.6	0.8

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0410	4.3	1.3	16	0105	3.0	0.9
Th	1045	1.6	0.5	F	0620	3.9	1.2
	1755	5.2	1.6		1235	2.2	0.7
					1945	5.3	1.6
2	0010	2.7	0.8	17	0215	2.9	0.9
F	0515	4.2	1.3	Sa	0740	4.1	1.2
	1150	1.4	0.4		1340	2.1	0.6
	1910	5.5	1.7		2045	5.5	1.7
3	0125	2.5	0.8	18	0300	2.7	0.8
Sa	0650	4.3	1.3	Su	0835	4.5	1.4
	1310	1.2	0.4		1430	1.9	0.6
	2005	5.9	1.8		2125	5.7	1.7
4	0220	2.3	0.7	19	0335	2.5	0.8
Su	0755	4.6	1.4	M	0905	4.8	1.5
	1405	0.9	0.3		1515	1.7	0.5
	2110	6.3	1.9		2145	5.8	1.8
5	0315	1.8	0.5	20	0400	2.2	0.7
M	0900	5.0	1.5	Tu	0950	5.2	1.6
	1505	0.6	0.2		1545	1.5	0.5
	2145	6.6	2.0		2220	5.9	1.8
6	0405	1.5	0.5	21	0440	2.0	0.6
Tu	0950	5.5	1.7	W	1020	5.5	1.7
	1605	0.4	0.1		1620	1.4	0.4
	2230	6.8	2.1		2245	5.9	1.8
7	0450	1.1	0.3	22	0455	1.7	0.5
W	1040	5.8	1.8	Th	1100	5.7	1.7
	1645	0.3	0.1		1655	1.3	0.4
	2325	6.7	2.0		2310	5.8	1.8
8	0540	0.9	0.3	23	0515	1.5	0.5
Th	1125	6.1	1.9	F	1115	5.9	1.8
	1730	0.3	0.1		1730	1.3	0.4
					2335	5.6	1.7
9	0000	6.5	2.0	24	0555	1.4	0.4
F	0610	0.9	0.3	Sa	1155	5.9	1.8
	1205	6.2	1.9		1810	1.4	0.4
	1820	0.6	0.2		2355	5.4	1.6
10	0040	6.1	1.9	25	0615	1.3	0.4
Sa	0645	0.9	0.3	Su	1235	5.9	1.8
	1255	6.1	1.9		1840	1.6	0.5
	1910	1.0	0.3				
11	0115	5.6	1.7	26	0045	5.2	1.6
Su	0735	1.1	0.3	M	0650	1.2	0.4
	1345	5.9	1.8		1305	5.8	1.8
	2000	1.5	0.5		1915	1.8	0.5
12	0210	5.1	1.6	27	0100	4.9	1.5
M	0810	1.4	0.4	Tu	0725	1.2	0.4
	1430	5.6	1.7		1355	5.6	1.7
	2100	2.0	0.6		2010	2.2	0.7
13	0255	4.6	1.4	28	0145	4.6	1.4
Tu	0905	1.7	0.5	W	0805	1.3	0.4
	1545	5.3	1.6		1450	5.5	1.7
	2225	2.5	0.8		2115	2.5	0.8
14	0340	4.1	1.2	29	0225	4.4	1.3
W	1000	2.0	0.6	Th	0900	1.5	0.5
	1705	5.1	1.6		1600	5.3	1.6
	2330	2.8	0.9		2225	2.7	0.8
15	0445	3.9	1.2	30	0340	4.2	1.3
Th	1110	2.2	0.7	F	1010	1.6	0.5
	1835	5.1	1.6		1730	5.3	1.6
					2350	2.7	0.8

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0505	4.1	1.2	16	0135	3.0	0.9
Sa	1135	1.6	0.5	Su	0710	4.2	1.3
	1850	5.6	1.7		1305	2.4	0.7
					2005	5.4	1.6
2	0110	2.5	0.8	17	0220	2.7	0.8
Su	0640	4.4	1.3	M	0810	4.6	1.4
	1250	1.5	0.5		1410	2.2	0.7
	1955	5.9	1.8		2030	5.5	1.7
3	0205	2.2	0.7	18	0255	2.5	0.8
M	0750	4.9	1.5	Tu	0850	5.1	1.6
	1405	1.2	0.4		1455	2.0	0.6
	2040	6.1	1.9		2100	5.6	1.7
4	0305	1.7	0.5	19	0320	2.1	0.6
Tu	0845	5.4	1.6	W	0925	5.5	1.7
	1505	0.9	0.3		1525	1.8	0.5
	2130	6.3	1.9		2130	5.7	1.7
5	0350	1.3	0.4	20	0355	1.8	0.5
W	0940	5.9	1.8	Th	0945	5.8	1.8
	1550	0.7	0.2		1605	1.6	0.5
	2205	6.4	2.0		2210	5.7	1.7
6	0420	1.0	0.3	21	0415	1.5	0.5
Th	1025	6.3	1.9	F	1020	6.1	1.9
	1635	0.6	0.2		1630	1.5	0.5
	2245	6.3	1.9		2235	5.6	1.7
7	0505	0.8	0.2	22	0445	1.2	0.4
F	1100	6.6	2.0	Sa	1100	6.3	1.9
	1720	0.7	0.2		1705	1.5	0.5
	2330	6.1	1.9		2300	5.4	1.6
8	0535	0.7	0.2	23	0505	1.0	0.3
Sa	1145	6.6	2.0	Su	1140	6.4	2.0
	1800	0.9	0.3		1755	1.5	0.5
					2330	5.3	1.6
9	0010	5.7	1.7	24	0535	0.8	0.2
Su	0610	0.8	0.2	M	1210	6.4	2.0
	1235	6.5	2.0		1825	1.8	0.5
	1850	1.4	0.4				
10	0040	5.2	1.6	25	0000	5.0	1.5
M	0645	1.1	0.3	Tu	0605	0.8	0.2
	1320	6.2	1.9		1250	6.3	1.9
	1950	1.9	0.6		1905	2.0	0.6
11	0120	4.8	1.5	26	0040	4.8	1.5
Tu	0730	1.4	0.4	W	0655	0.9	0.3
	1405	5.8	1.8		1340	6.1	1.9
	2050	2.4	0.7		2010	2.3	0.7
12	0155	4.3	1.3	27	0115	4.6	1.4
W	0815	1.8	0.5	Th	0745	1.1	0.3
	1515	5.4	1.6		1435	5.8	1.8
	2155	2.8	0.9		2115	2.6	0.8
13	0250	4.0	1.2	28	0210	4.4	1.3
Th	0910	2.2	0.7	F	0830	1.4	0.4
	1635	5.2	1.6		1545	5.6	1.7
	2320	3.1	0.9		2220	2.7	0.8
14	0405	3.8	1.2	29	0325	4.2	1.3
F	1035	2.4	0.7	Sa	0945	1.7	0.5
	1810	5.2	1.6		1710	5.6	1.7
					2330	2.6	0.8
15	0035	3.1	0.9	30	0500	4.3	1.3
Sa	0545	3.9	1.2	Su	1125	1.8	0.5
	1155	2.5	0.8		1820	5.6	1.7
	1915	5.2	1.6				
				31	0035	2.4	0.7
				M	0640	4.7	1.4
					1245	1.8	0.5
					1920	5.8	1.8

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0140	2.0	0.6	16	0210	2.4	0.7
Tu	0750	5.2	1.6	W	0810	5.2	1.6
	1350	1.6	0.5		1415	2.4	0.7
	2020	5.9	1.8		2020	5.3	1.6
2	0235	1.6	0.5	17	0235	2.0	0.6
W	0840	5.8	1.8	Th	0845	5.6	1.7
	1445	1.3	0.4		1500	2.2	0.7
	2105	6.0	1.8		2100	5.3	1.6
3	0315	1.2	0.4	18	0310	1.6	0.5
Th	0930	6.3	1.9	F	0930	6.0	1.8
	1540	1.2	0.4		1535	2.0	0.6
	2145	5.9	1.8		2115	5.3	1.6
4	0350	0.9	0.3	19	0330	1.2	0.4
F	1010	6.7	2.0	Sa	1010	6.4	2.0
	1625	1.2	0.4		1620	1.8	0.5
	2215	5.8	1.8		2150	5.3	1.6
5	0435	0.8	0.2	20	0410	0.8	0.2
Sa	1050	6.9	2.1	Su	1040	6.7	2.0
	1705	1.2	0.4		1655	1.7	0.5
	2255	5.6	1.7		2230	5.2	1.6
6	0510	0.7	0.2	21	0435	0.6	0.2
Su	1140	6.8	2.1	M	1125	6.9	2.1
	1750	1.5	0.5		1740	1.8	0.5
	2340	5.3	1.6		2305	5.1	1.6
7	0535	0.9	0.3	22	0505	0.5	0.2
M	1215	6.7	2.0	Tu	1200	6.9	2.1
	1835	1.8	0.5		1820	1.9	0.6
					2335	5.0	1.5
8	0000	5.0	1.5	23	0555	0.5	0.2
Tu	0615	1.1	0.3	W	1245	6.7	2.0
	1300	6.4	2.0		1910	2.1	0.6
	1925	2.3	0.7				
9	0045	4.6	1.4	24	0020	4.8	1.5
W	0645	1.4	0.4	Th	0630	0.7	0.2
	1355	6.0	1.8		1335	6.5	2.0
	2020	2.6	0.8		1955	2.3	0.7
10	0115	4.3	1.3	25	0105	4.6	1.4
Th	0730	1.9	0.6	F	0725	1.0	0.3
	1450	5.6	1.7		1430	6.2	1.9
	2125	2.9	0.9		2055	2.4	0.7
11	0205	4.1	1.2	26	0205	4.5	1.4
F	0835	2.2	0.7	Sa	0815	1.4	0.4
	1555	5.3	1.6		1530	5.9	1.8
	2235	3.1	0.9		2205	2.5	0.8
12	0315	4.0	1.2	27	0325	4.4	1.3
Sa	0945	2.6	0.8	Su	0945	1.8	0.5
	1705	5.2	1.6		1650	5.7	1.7
	2330	3.1	0.9		2300	2.4	0.7
13	0500	4.0	1.2	28	0450	4.6	1.4
Su	1110	2.7	0.8	M	1110	2.0	0.6
	1810	5.2	1.6		1750	5.6	1.7
14	0030	3.0	0.9	29	0005	2.2	0.7
M	0620	4.3	1.3	Tu	0615	5.0	1.5
	1225	2.7	0.8		1225	2.0	0.6
	1905	5.2	1.6		1850	5.5	1.7
15	0125	2.7	0.8	30	0100	1.9	0.6
Tu	0725	4.7	1.4	W	0735	5.5	1.7
	1320	2.6	0.8		1340	1.9	0.6
	1945	5.2	1.6		1950	5.5	1.7

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0200	1.5	0.5	16	0145	1.9	0.6
Th	0825	6.0	1.8	F	0825	5.6	1.7
	1440	1.8	0.5		1430	2.5	0.8
	2040	5.4	1.6		2010	4.9	1.5
2	0250	1.2	0.4	17	0215	1.5	0.5
F	0915	6.4	2.0	Sa	0910	6.1	1.9
	1535	1.7	0.5		1520	2.3	0.7
	2115	5.4	1.6		2050	4.9	1.5
3	0325	1.0	0.3	18	0300	1.1	0.3
Sa	1000	6.7	2.0	Su	0945	6.5	2.0
	1625	1.7	0.5		1605	2.1	0.6
	2150	5.3	1.6		2120	5.0	1.5
4	0410	0.9	0.3	19	0330	0.6	0.2
Su	1040	6.8	2.1	M	1020	6.9	2.1
	1705	1.8	0.5		1645	1.9	0.6
	2240	5.1	1.6		2210	5.0	1.5
5	0440	0.9	0.3	20	0415	0.4	0.1
M	1115	6.8	2.1	Tu	1115	7.1	2.2
	1750	2.0	0.6		1725	1.9	0.6
	2300	5.0	1.5		2245	5.0	1.5
6	0515	1.0	0.3	21	0450	0.2	0.1
Tu	1205	6.7	2.0	W	1155	7.2	2.2
	1830	2.2	0.7		1805	1.9	0.6
	2350	4.8	1.5		2325	5.0	1.5
7	0545	1.1	0.3	22	0530	0.2	0.1
W	1245	6.5	2.0	Th	1240	7.1	2.2
	1915	2.4	0.7		1900	1.9	0.6
8	0015	4.7	1.4	23	0010	4.9	1.5
Th	0630	1.4	0.4	F	0615	0.4	0.1
	1330	6.2	1.9		1315	6.8	2.1
	2010	2.6	0.8		1955	2.0	0.6
9	0105	4.5	1.4	24	0110	4.8	1.5
F	0700	1.8	0.5	Sa	0715	0.8	0.2
	1420	5.8	1.8		1415	6.5	2.0
	2045	2.8	0.9		2040	2.0	0.6
10	0155	4.4	1.3	25	0210	4.8	1.5
Sa	0750	2.1	0.6	Su	0820	1.3	0.4
	1500	5.6	1.7		1510	6.1	1.9
	2145	2.9	0.9		2140	2.0	0.6
11	0250	4.3	1.3	26	0315	4.8	1.5
Su	0845	2.5	0.8	M	0930	1.7	0.5
	1600	5.3	1.6		1610	5.7	1.7
	2240	2.9	0.9		2235	2.0	0.6
12	0400	4.3	1.3	27	0440	4.9	1.5
M	1005	2.7	0.8	Tu	1055	2.0	0.6
	1650	5.1	1.6		1715	5.4	1.6
	2320	2.8	0.9		2335	1.9	0.6
13	0525	4.4	1.3	28	0555	5.2	1.6
Tu	1125	2.9	0.9	W	1205	2.2	0.7
	1750	5.0	1.5		1815	5.1	1.6
14	0015	2.6	0.8	29	0030	1.8	0.5
W	0635	4.7	1.4	Th	0710	5.6	1.7
	1235	2.8	0.9		1320	2.3	0.7
	1845	4.9	1.5		1915	4.9	1.5
15	0100	2.3	0.7	30	0125	1.6	0.5
Th	0730	5.2	1.6	F	0810	5.9	1.8
	1330	2.7	0.8		1435	2.2	0.7
	1925	4.9	1.5		2000	4.8	1.5
				31	0220	1.4	0.4
				Sa	0900	6.3	1.9
					1525	2.2	0.7
					2055	4.8	1.5

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0305	0.6	0.2
	0740	15.5	4.7
	1450	0.9	0.3
	1950	19.1	5.8
2 Su	0355	0.7	0.2
	0835	15.5	4.7
	1545	0.9	0.3
	2040	18.6	5.7
3 M	0440	0.7	0.2
	0925	15.2	4.6
	1635	0.9	0.3
	2135	17.6	5.4
4 Tu	0525	0.7	0.2
	1015	14.8	4.5
	1730	1.1	0.3
	2230	16.3	5.0
5 W	0610	0.8	0.2
	1110	14.6	4.5
	1825	1.4	0.4
	2325	15.1	4.6
6 Th	0700	1.1	0.3
	1210	14.4	4.4
	1925	1.7	0.5
7 F	0030	14.0	4.3
	0750	1.5	0.5
	1310	14.3	4.4
	2030	1.9	0.6
8 Sa	0140	13.2	4.0
	0850	1.8	0.5
	1415	14.4	4.4
	2145	1.8	0.5
9 Su	0250	12.7	3.9
	0950	1.9	0.6
	1515	14.7	4.5
	2255	1.5	0.5
10 M	0400	12.7	3.9
	1050	1.9	0.6
	1610	15.3	4.7
	2355	1.2	0.4
11 Tu	0455	13.0	4.0
	1145	1.6	0.5
	1700	15.8	4.8
12 W	0040	1.0	0.3
	0540	13.3	4.1
	1230	1.4	0.4
	1745	16.1	4.9
13 Th	0125	0.9	0.3
	0620	13.6	4.1
	1310	1.2	0.4
	1820	16.3	5.0
14 F	0200	0.8	0.2
	0655	13.7	4.2
	1345	1.1	0.3
	1900	16.5	5.0
15 Sa	0235	0.9	0.3
	0725	13.8	4.2
	1420	1.1	0.3
	1930	16.6	5.1
16 Su	0310	1.0	0.3
	0800	14.0	4.3
	1455	1.1	0.3
	2005	16.5	5.0
17 M	0340	1.1	0.3
	0835	14.0	4.3
	1530	1.2	0.4
	2040	16.2	4.9
18 Tu	0415	1.1	0.3
	0910	13.9	4.2
	1605	1.3	0.4
	2115	15.6	4.8
19 W	0445	1.1	0.3
	0945	13.9	4.2
	1645	1.4	0.4
	2155	15.0	4.6
20 Th	0520	1.1	0.3
	1025	13.9	4.2
	1725	1.6	0.5
	2235	14.5	4.4
21 F	0550	1.3	0.4
	1105	13.9	4.2
	1810	1.8	0.5
	2320	13.7	4.2
22 Sa	0630	1.6	0.5
	1155	13.9	4.2
	1905	1.9	0.6
23 Su	0020	12.9	3.9
	0720	1.9	0.6
	1250	14.1	4.3
	2020	1.8	0.5
24 M	0135	12.4	3.8
	0825	2.0	0.6
	1400	14.6	4.5
	2140	1.4	0.4
25 Tu	0250	12.4	3.8
	0935	1.8	0.5
	1505	15.5	4.7
	2255	1.0	0.3
26 W	0355	12.9	3.9
	1045	1.4	0.4
	1605	16.6	5.1
27 Th	0005	0.7	0.2
	0455	13.7	4.2
	1150	1.1	0.3
	1700	17.7	5.4
28 F	0105	0.5	0.2
	0550	14.6	4.5
	1250	0.9	0.3
	1755	18.5	5.6
29 Sa	0200	0.5	0.2
	0640	15.4	4.7
	1345	0.9	0.3
	1845	19.0	5.8
30 Su	0250	0.6	0.2
	0730	16.0	4.9
	1445	0.9	0.3
	1940	19.0	5.8
31 M	0335	0.7	0.2
	0815	16.3	5.0
	1535	0.8	0.2
	2030	18.5	5.6

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0420	0.7	0.2
	0900	16.2	4.9
	1625	0.8	0.2
	2120	17.5	5.3
2 W	0500	0.8	0.2
	0945	15.9	4.8
	1710	0.9	0.3
	2205	16.2	4.9
3 Th	0535	0.9	0.3
	1035	15.5	4.7
	1755	1.1	0.3
	2255	14.9	4.5
4 F	0610	1.2	0.4
	1125	15.0	4.6
	1845	1.5	0.5
	2350	13.6	4.1
5 Sa	0655	1.7	0.5
	1220	14.5	4.4
	1945	1.8	0.5
6 Su	0055	12.4	3.8
	0745	2.2	0.7
	1320	14.1	4.3
	2055	2.0	0.6
7 M	0210	11.7	3.6
	0855	2.5	0.8
	1435	14.1	4.3
	2210	2.0	0.6
8 Tu	0325	11.6	3.5
	1005	2.5	0.8
	1540	14.4	4.4
	2320	1.7	0.5
9 W	0435	12.1	3.7
	1110	2.2	0.7
	1640	15.0	4.6
10 Th	0015	1.4	0.4
	0520	12.7	3.9
	1205	1.7	0.5
	1730	15.5	4.7
11 F	0100	1.2	0.4
	0600	13.3	4.1
	1250	1.4	0.4
	1805	15.9	4.8
12 Sa	0140	1.1	0.3
	0635	13.9	4.2
	1330	1.2	0.4
	1840	16.4	5.0
13 Su	0215	1.1	0.3
	0705	14.4	4.4
	1405	1.2	0.4
	1915	16.8	5.1
14 M	0245	1.2	0.4
	0735	14.9	4.5
	1440	1.2	0.4
	1945	16.9	5.2
15 Tu	0315	1.2	0.4
	0805	15.1	4.6
	1515	1.2	0.4
	2015	16.7	5.1
16 W	0345	1.2	0.4
	0840	15.3	4.7
	1550	1.2	0.4
	2050	16.2	4.9
17 Th	0420	1.2	0.4
	0915	15.4	4.7
	1625	1.2	0.4
	2125	15.6	4.8
18 F	0450	1.2	0.4
	0950	15.5	4.7
	1705	1.4	0.4
	2205	14.9	4.5
19 Sa	0515	1.4	0.4
	1025	15.4	4.7
	1745	1.7	0.5
	2245	14.0	4.3
20 Su	0545	1.8	0.5
	1105	15.1	4.6
	1835	1.9	0.6
	2340	12.9	3.9
21 M	0630	2.2	0.7
	1205	14.8	4.5
	1945	1.9	0.6
22 Tu	0055	12.0	3.7
	0740	2.4	0.7
	1320	14.7	4.5
	2110	1.6	0.5
23 W	0220	11.9	3.6
	0905	2.2	0.7
	1440	15.3	4.7
	2235	1.3	0.4
24 Th	0340	12.6	3.8
	1025	1.8	0.5
	1550	16.4	5.0
	2350	1.0	0.3
25 F	0445	13.8	4.2
	1140	1.5	0.5
	1655	17.5	5.3
26 Sa	0055	0.8	0.2
	0540	15.1	4.6
	1245	1.2	0.4
	1745	18.4	5.6
27 Su	0145	0.8	0.2
	0625	16.1	4.9
	1340	1.0	0.3
	1835	18.8	5.7
28 M	0230	0.8	0.2
	0710	16.9	5.2
	1435	0.9	0.3
	1925	18.8	5.7

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0310	0.9	0.3
	0750	17.4	5.3
	1525	1.0	0.3
	2010	18.2	5.5
2 W	0350	1.0	0.3
	0830	17.5	5.3
	1610	1.0	0.3
	2055	17.4	5.3
3 Th	0425	1.2	0.4
	0910	17.2	5.2
	1650	1.1	0.3
	2135	16.2	4.9
4 F	0455	1.3	0.4
	0955	16.6	5.1
	1730	1.3	0.4
	2220	14.9	4.5
5 Sa	0525	1.6	0.5
	1035	15.8	4.8
	1810	1.6	0.5
	2310	13.5	4.1
6 Su	0600	2.1	0.6
	1125	14.8	4.5
	1900	2.0	0.6
7 M	0010	12.2	3.7
	0650	2.7	0.8
	1230	14.0	4.3
	2005	2.4	0.7
8 Tu	0125	11.3	3.4
	0800	3.2	1.0
	1345	13.7	4.2
	2125	2.5	0.8
9 W	0245	11.2	3.4
	0920	3.3	1.0
	1505	13.9	4.2
	2240	2.3	0.7
10 Th	0400	11.8	3.6
	1040	2.9	0.9
	1610	14.4	4.4
	2345	1.9	0.6
11 F	0455	12.7	3.9
	1140	2.3	0.7
	1705	15.1	4.6
12 Sa	0030	1.6	0.5
	0535	13.6	4.1
	1230	1.7	0.5
	1745	15.8	4.8
13 Su	0110	1.5	0.5
	0605	14.5	4.4
	1310	1.4	0.4
	1820	16.4	5.0
14 M	0145	1.4	0.4
	0635	15.3	4.7
	1350	1.3	0.4
	1850	16.9	5.2
15 Tu	0215	1.5	0.5
	0705	16.0	4.9
	1425	1.3	0.4
	1920	17.2	5.2
16 W	0250	1.5	0.5
	0735	16.5	5.0
	1500	1.3	0.4
	1950	17.1	5.2
17 Th	0320	1.5	0.5
	0805	16.8	5.1
	1535	1.3	0.4
	2025	16.6	5.1
18 F	0350	1.5	0.5
	0840	17.0	5.2
	1610	1.4	0.4
	2100	16.0	4.9
19 Sa	0420	1.5	0.5
	0915	17.0	5.2
	1645	1.6	0.5
	2135	15.2	4.6
20 Su	0445	1.7	0.5
	0950	16.7	5.1
	1725	1.8	0.5
	2220	14.1	4.3
21 M	0515	2.1	0.6
	1035	16.2	4.9
	1815	2.0	0.6
	2320	13.0	4.0
22 Tu	0605	2.5	0.8
	1140	15.5	4.7
	1925	2.1	0.6
23 W	0040	12.2	3.7
	0720	2.7	0.8
	1300	15.2	4.6
	2055	1.9	0.6
24 Th	0210	12.2	3.7
	0855	2.6	0.8
	1425	15.6	4.8
	2225	1.7	0.5
25 F	0330	13.2	4.0
	1020	2.2	0.7
	1540	16.5	5.0
	2335	1.5	0.5
26 Sa	0430	14.6	4.5
	1135	1.8	0.5
	1640	17.4	5.3
27 Su	0035	1.3	0.4
	0525	16.0	4.9
	1240	1.5	0.5
	1735	18.1	5.5
28 M	0125	1.2	0.4
	0610	17.1	5.2
	1335	1.3	0.4
	1825	18.3	5.6
29 Tu	0210	1.2	0.4
	0650	17.9	5.5
	1420	1.2	0.4
	1905	18.2	5.5
30 W	0245	1.2	0.4
	0725	18.4	5.6
	1505	1.2	0.4
	1945	17.8	5.4
31 Th	0320	1.4	0.4
	0800	18.5	5.6
	1545	1.4	0.4
	2025	17.1	5.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time (h m)	Height (ft)	Height (m)
1 F	0350	1.7	0.5
	0835	18.2	5.5
	1625	1.5	0.5
	2105	16.1	4.9
2 Sa	0415	1.9	0.6
	0915	17.4	5.3
	1700	1.7	0.5
	2145	14.8	4.5
3 Su	0445	2.2	0.7
	0955	16.4	5.0
	1735	1.9	0.6
	2235	13.5	4.1
4 M	0520	2.6	0.8
	1045	15.3	4.7
	1820	2.3	0.7
	2330	12.3	3.7
5 Tu	0605	3.2	1.0
	1140	14.3	4.4
	1920	2.7	0.8
6 W	0040	11.6	3.5
	0715	3.7	1.1
	1255	13.7	4.2
	2035	2.9	0.9
7 Th	0200	11.5	3.5
	0835	3.8	1.2
	1415	13.6	4.1
	2150	2.7	0.8
8 F	0315	12.0	3.7
	1000	3.4	1.0
	1530	14.0	4.3
	2300	2.3	0.7
9 Sa	0415	12.9	3.9
	1105	2.7	0.8
	1625	14.7	4.5
	2350	2.0	0.6
10 Su	0455	14.0	4.3
	1200	2.0	0.6
	1710	15.5	4.7
11 M	0030	1.9	0.6
	0530	15.1	4.6
	1250	1.6	0.5
	1745	16.2	4.9
12 Tu	0110	1.8	0.5
	0600	16.2	4.9
	1330	1.4	0.4
	1820	16.8	5.1
13 W	0145	1.7	0.5
	0630	17.0	5.2
	1405	1.3	0.4
	1850	17.1	5.2
14 Th	0215	1.7	0.5
	0700	17.6	5.4
	1445	1.3	0.4
	1925	17.0	5.2
15 F	0245	1.7	0.5
	0735	18.0	5.5
	1520	1.3	0.4
	2000	16.7	5.1
16 Sa	0320	1.7	0.5
	0810	18.2	5.5
	1555	1.5	0.5
	2035	16.1	4.9
17 Su	0350	1.8	0.5
	0845	18.1	5.5
	1635	1.8	0.5
	2115	15.3	4.7
18 M	0425	2.0	0.6
	0930	17.7	5.4
	1720	2.0	0.6
	2205	14.3	4.4
19 Tu	0510	2.3	0.7
	1025	17.0	5.2
	1815	2.1	0.6
	2310	13.4	4.1
20 W	0605	2.7	0.8
	1130	16.2	4.9
	1925	2.2	0.7
21 Th	0030	12.9	3.9
	0725	2.9	0.9
	1250	15.8	4.8
	2050	2.1	0.6
22 F	0155	13.2	4.0
	0855	2.7	0.8
	1410	15.9	4.8
	2210	1.9	0.6
23 Sa	0310	14.2	4.3
	1020	2.4	0.7
	1525	16.4	5.0
	2315	1.8	0.5
24 Su	0410	15.5	4.7
	1130	2.0	0.6
	1625	16.9	5.2
25 M	0010	1.7	0.5
	0500	16.8	5.1
	1230	1.8	0.5
	1720	17.3	5.3
26 Tu	0100	1.6	0.5
	0545	17.8	5.4
	1320	1.5	0.5
	1805	17.5	5.3
27 W	0140	1.5	0.5
	0625	18.4	5.6
	1410	1.4	0.4
	1845	17.4	5.3
28 Th	0215	1.6	0.5
	0700	18.8	5.7
	1450	1.5	0.5
	1925	17.0	5.2
29 F	0245	1.7	0.5
	0730	18.9	5.8
	1525	1.6	0.5
	2000	16.3	5.0
30 Sa	0315	1.9	0.6
	0805	18.5	5.6
	1600	1.8	0.5
	2040	15.5	4.7

MAY

Day	Time (h m)	Height (ft)	Height (m)
1 Su	0345	2.2	0.7
	0845	17.7	5.4
	1635	1.9	0.6
	2120	14.5	4.4
2 M	0420	2.4	0.7
	0925	16.7	5.1
	1715	2.1	0.6
	2205	13.5	4.1
3 Tu	0455	2.8	0.9
	1010	15.6	4.8
	1755	2.4	0.7
	2300	12.7	3.9
4 W	0535	3.3	1.0
	1105	14.7	4.5
	1845	2.7	0.8
5 Th	0000	12.1	3.7
	0635	3.7	1.1
	1210	13.9	4.2
	1950	2.8	0.9
6 F	0110	12.0	3.7
	0750	3.8	1.2
	1325	13.6	4.1
	2055	2.7	0.8
7 Sa	0220	12.3	3.7
	0910	3.4	1.0
	1435	13.7	4.2
	2200	2.4	0.7
8 Su	0320	13.2	4.0
	1020	2.8	0.9
	1540	14.2	4.3
	2255	2.2	0.7
9 M	0410	14.3	4.4
	1125	2.2	0.7
	1630	15.0	4.6
	2345	2.1	0.6
10 Tu	0445	15.6	4.8
	1215	1.7	0.5
	1710	15.7	4.8
11 W	0025	2.0	0.6
	0520	16.7	5.1
	1305	1.4	0.4
	1750	16.2	4.9
12 Th	0105	1.8	0.5
	0555	17.7	5.4
	1345	1.2	0.4
	1820	16.4	5.0
13 F	0140	1.7	0.5
	0630	18.3	5.6
	1425	1.1	0.3
	1900	16.4	5.0
14 Sa	0215	1.7	0.5
	0705	18.7	5.7
	1505	1.2	0.4
	1940	16.3	5.0
15 Su	0255	1.7	0.5
	0745	18.9	5.8
	1545	1.4	0.4
	2020	15.9	4.8
16 M	0335	1.8	0.5
	0830	18.8	5.7
	1630	1.7	0.5
	2110	15.4	4.7
17 Tu	0420	2.0	0.6
	0920	18.3	5.6
	1720	1.9	0.6
	2205	14.7	4.5
18 W	0510	2.3	0.7
	1020	17.5	5.3
	1815	2.0	0.6
	2310	14.2	4.3
19 Th	0615	2.5	0.8
	1125	16.7	5.1
	1920	2.0	0.6
20 F	0020	14.0	4.3
	0730	2.7	0.8
	1240	16.1	4.9
	2035	2.0	0.6
21 Sa	0135	14.3	4.4
	0850	2.6	0.8
	1355	15.8	4.8
	2140	2.0	0.6
22 Su	0245	15.0	4.6
	1005	2.3	0.7
	1505	15.8	4.8
	2240	2.0	0.6
23 M	0345	16.0	4.9
	1115	2.0	0.6
	1605	16.0	4.9
	2335	1.9	0.6
24 Tu	0435	17.0	5.2
	1215	1.8	0.5
	1700	16.1	4.9
25 W	0025	1.9	0.6
	0520	17.7	5.4
	1305	1.6	0.5
	1745	16.2	4.9
26 Th	0110	1.7	0.5
	0600	18.2	5.5
	1350	1.5	0.5
	1830	16.1	4.9
27 F	0150	1.7	0.5
	0640	18.5	5.6
	1430	1.5	0.5
	1905	15.8	4.8
28 Sa	0220	1.7	0.5
	0715	18.4	5.6
	1505	1.6	0.5
	1940	15.3	4.7
29 Su	0250	1.8	0.5
	0750	18.1	5.5
	1540	1.7	0.5
	2020	14.7	4.5
30 M	0325	2.0	0.6
	0825	17.5	5.3
	1615	1.9	0.6
	2100	14.1	4.3
31 Tu	0400	2.2	0.7
	0905	16.7	5.1
	1655	2.0	0.6
	2145	13.6	4.1

JUNE

Day	Time (h m)	Height (ft)	Height (m)
1 W	0435	2.5	0.8
	0945	15.9	4.8
	1730	2.1	0.6
	2230	13.1	4.0
2 Th	0515	2.9	0.9
	1035	15.0	4.6
	1815	2.2	0.7
	2325	12.7	3.9
3 F	0605	3.2	1.0
	1130	14.3	4.4
	1905	2.2	0.7
4 Sa	0020	12.6	3.8
	0705	3.2	1.0
	1230	13.7	4.2
	2000	2.3	0.7
5 Su	0120	12.8	3.9
	0815	3.0	0.9
	1335	13.4	4.1
	2055	2.2	0.7
6 M	0220	13.4	4.1
	0925	2.6	0.8
	1440	13.6	4.1
	2155	2.2	0.7
7 Tu	0315	14.5	4.4
	1035	2.1	0.6
	1540	14.1	4.3
	2245	2.1	0.6
8 W	0355	15.7	4.8
	1135	1.6	0.5
	1630	14.7	4.5
	2335	2.0	0.6
9 Th	0440	16.9	5.2
	1230	1.3	0.4
	1715	15.1	4.6
10 F	0020	1.7	0.5
	0520	17.7	5.4
	1320	1.0	0.3
	1800	15.4	4.7
11 Sa	0105	1.5	0.5
	0600	18.4	5.6
	1405	0.9	0.3
	1840	15.6	4.8
12 Su	0150	1.4	0.4
	0645	18.9	5.8
	1455	0.9	0.3
	1925	15.8	4.8
13 M	0235	1.5	0.5
	0730	19.2	5.9
	1540	1.1	0.3
	2015	15.8	4.8
14 Tu	0325	1.6	0.5
	0825	19.1	5.8
	1630	1.3	0.4
	2105	15.6	4.8
15 W	0420	1.7	0.5
	0915	18.5	5.6
	1720	1.5	0.5
	2200	15.3	4.7
16 Th	0515	1.8	0.5
	1015	17.6	5.4
	1810	1.5	0.5
	2300	15.0	4.6
17 F	0615	2.0	0.6
	1115	16.6	5.1
	1905	1.6	0.5
18 Sa	0005	14.9	4.5
	0720	2.1	0.6
	1225	15.7	4.8
	2005	1.7	0.5
19 Su	0110	15.0	4.6
	0835	2.1	0.6
	1335	15.0	4.6
	2100	1.8	0.5
20 M	0210	15.3	4.7
	0945	1.9	0.6
	1440	14.6	4.5
	2200	1.9	0.6
21 Tu	0310	15.8	4.8
	1055	1.7	0.5
	1545	14.5	4.4
	2255	2.0	0.6
22 W	0405	16.4	5.0
	1150	1.5	0.5
	1640	14.6	4.5
	2350	1.9	0.6
23 Th	0455	17.0	5.2
	1245	1.4	0.4
	1730	14.7	4.5
24 F	0040	1.7	0.5
	0540	17.4	5.3
	1330	1.3	0.4
	1810	14.8	4.5
25 Sa	0120	1.5	0.5
	0620	17.5	5.3
	1410	1.3	0.4
	1850	14.6	4.5
26 Su	0200	1.4	0.4
	0700	17.5	5.3
	1445	1.3	0.4
	1930	14.4	4.4
27 M	0235	1.4	0.4
	0735	17.4	5.3
	1520	1.4	0.4
	2005	14.2	4.3
28 Tu	0310	1.5	0.5
	0815	17.2	5.2
	1555	1.6	0.5
	2040	14.0	4.3
29 W	0345	1.7	0.5
	0850	16.7	5.1
	1630	1.6	0.5
	2120	13.8	4.2
30 Th	0420	1.9	0.6
	0925	16.0	4.9
	1710	1.7	0.5
	2205	13.5	4.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

QUEBEC, QUEBEC, 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0455	2.1	0.6
	1005	15.3	4.7
	1745	1.6	0.5
	2250	13.4	4.1
2 Sa	0535	2.3	0.7
	1050	14.6	4.5
	1825	1.6	0.5
	2335	13.3	4.1
3 Su	0625	2.4	0.7
	1140	13.9	4.2
	1905	1.7	0.5
4 M	0025	13.4	4.1
	0725	2.4	0.7
	1240	13.3	4.1
	1950	1.9	0.6
5 Tu	0120	13.9	4.2
	0830	2.2	0.7
	1345	13.0	4.0
	2045	2.0	0.6
6 W	0215	14.6	4.5
	0945	1.8	0.5
	1455	13.1	4.0
	2145	2.0	0.6
7 Th	0310	15.6	4.8
	1055	1.5	0.5
	1555	13.5	4.1
	2245	1.8	0.5
8 F	0400	16.6	5.1
	1155	1.1	0.3
	1650	14.0	4.3
	2345	1.5	0.5
9 Sa	0450	17.5	5.3
	1255	0.8	0.2
	1740	14.5	4.4
10 Su	0040	1.3	0.4
	0540	18.3	5.6
	1350	0.6	0.2
	1830	15.1	4.6
11 M	0130	1.1	0.3
	0630	18.9	5.8
	1445	0.6	0.2
	1920	15.6	4.8
12 Tu	0230	1.1	0.3
	0725	19.3	5.9
	1535	0.7	0.2
	2010	16.0	4.9
13 W	0320	1.1	0.3
	0815	19.1	5.8
	1625	0.8	0.2
	2055	16.1	4.9
14 Th	0415	1.1	0.3
	0910	18.5	5.6
	1705	0.9	0.3
	2145	16.0	4.9
15 F	0510	1.2	0.4
	1005	17.4	5.3
	1750	1.0	0.3
	2240	15.8	4.8
16 Sa	0605	1.4	0.4
	1100	16.2	4.9
	1835	1.1	0.3
	2335	15.6	4.8
17 Su	0705	1.6	0.5
	1200	15.0	4.6
	1920	1.4	0.4
18 M	0030	15.3	4.7
	0805	1.7	0.5
	1305	14.0	4.3
	2015	1.7	0.5
19 Tu	0130	15.1	4.6
	0915	1.6	0.5
	1415	13.2	4.0
	2115	1.9	0.6
20 W	0235	15.1	4.6
	1025	1.4	0.4
	1525	13.0	4.0
	2215	2.0	0.6
21 Th	0340	15.4	4.7
	1130	1.2	0.4
	1625	13.1	4.0
	2315	1.9	0.6
22 F	0435	16.0	4.9
	1225	1.2	0.4
	1715	13.5	4.1
23 Sa	0010	1.6	0.5
	0525	16.4	5.0
	1310	1.1	0.3
	1800	13.8	4.2
24 Su	0100	1.4	0.4
	0610	16.6	5.1
	1350	1.1	0.3
	1840	14.0	4.3
25 M	0140	1.2	0.4
	0650	16.8	5.1
	1430	1.1	0.3
	1915	14.2	4.3
26 Tu	0220	1.1	0.3
	0725	16.9	5.2
	1500	1.1	0.3
	1950	14.3	4.4
27 W	0255	1.1	0.3
	0800	17.0	5.2
	1535	1.2	0.4
	2020	14.4	4.4
28 Th	0330	1.1	0.3
	0830	16.7	5.1
	1605	1.3	0.4
	2055	14.4	4.4
29 F	0400	1.3	0.4
	0905	16.2	4.9
	1640	1.2	0.4
	2130	14.3	4.4
30 Sa	0435	1.4	0.4
	0940	15.6	4.8
	1710	1.2	0.4
	2210	14.3	4.4
31 Su	0515	1.5	0.5
	1015	14.9	4.5
	1740	1.2	0.4
	2250	14.3	4.4

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0555	1.7	0.5
	1100	14.1	4.3
	1810	1.4	0.4
	2330	14.3	4.4
2 Tu	0640	1.8	0.5
	1150	13.1	4.0
	1850	1.7	0.5
3 W	0020	14.3	4.4
	0745	1.8	0.5
	1255	12.3	3.7
	1945	1.9	0.6
4 Th	0125	14.6	4.5
	0900	1.6	0.5
	1410	12.1	3.7
	2055	1.9	0.6
5 F	0230	15.2	4.6
	1020	1.2	0.4
	1525	12.4	3.8
	2210	1.6	0.5
6 Sa	0335	16.2	4.9
	1130	0.9	0.3
	1630	13.2	4.0
	2320	1.3	0.4
7 Su	0435	17.2	5.2
	1240	0.6	0.2
	1725	14.2	4.3
8 M	0025	1.1	0.3
	0530	18.2	5.5
	1340	0.5	0.2
	1820	15.2	4.6
9 Tu	0125	0.9	0.3
	0620	18.9	5.8
	1430	0.4	0.1
	1910	16.0	4.9
10 W	0220	0.7	0.2
	0715	19.1	5.8
	1520	0.4	0.1
	1955	16.6	5.1
11 Th	0315	0.6	0.2
	0805	18.8	5.7
	1605	0.4	0.1
	2040	16.9	5.2
12 F	0405	0.6	0.2
	0855	18.1	5.5
	1645	0.5	0.2
	2120	16.9	5.2
13 Sa	0455	0.7	0.2
	0945	16.9	5.2
	1720	0.7	0.2
	2210	16.6	5.1
14 Su	0545	0.9	0.3
	1035	15.6	4.8
	1755	0.9	0.3
	2255	16.2	4.9
15 M	0635	1.2	0.4
	1125	14.2	4.3
	1835	1.3	0.4
	2350	15.5	4.7
16 Tu	0730	1.4	0.4
	1230	12.9	3.9
	1920	1.8	0.5
17 W	0050	14.8	4.5
	0835	1.6	0.5
	1340	12.0	3.7
	2025	2.2	0.7
18 Th	0200	14.4	4.4
	0950	1.5	0.5
	1500	11.7	3.6
	2140	2.3	0.7
19 F	0315	14.5	4.4
	1100	1.3	0.4
	1610	12.1	3.7
	2250	2.1	0.6
20 Sa	0420	15.0	4.6
	1200	1.1	0.3
	1705	12.8	3.9
	2350	1.7	0.5
21 Su	0510	15.5	4.7
	1250	1.0	0.3
	1745	13.5	4.1
22 M	0040	1.3	0.4
	0555	15.9	4.8
	1330	1.0	0.3
	1820	14.1	4.3
23 Tu	0125	1.1	0.3
	0635	16.3	5.0
	1405	1.0	0.3
	1855	14.6	4.5
24 W	0200	0.9	0.3
	0705	16.7	5.1
	1435	1.1	0.3
	1925	15.0	4.6
25 Th	0235	0.9	0.3
	0740	16.9	5.2
	1505	1.1	0.3
	1955	15.3	4.7
26 F	0310	0.8	0.2
	0810	16.7	5.1
	1535	1.1	0.3
	2025	15.4	4.7
27 Sa	0340	0.8	0.2
	0840	16.3	5.0
	1605	1.1	0.3
	2055	15.4	4.7
28 Su	0415	0.9	0.3
	0910	15.6	4.8
	1635	1.0	0.3
	2130	15.4	4.7
29 M	0450	1.1	0.3
	0945	15.0	4.6
	1700	1.1	0.3
	2205	15.4	4.7
30 Tu	0525	1.3	0.4
	1025	14.1	4.3
	1725	1.4	0.4
	2245	15.1	4.6
31 W	0610	1.6	0.5
	1115	12.9	3.9
	1805	1.8	0.5
	2335	14.7	4.5

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0710	1.6	0.5
	1220	11.9	3.6
	1905	2.0	0.6
2 F	0045	14.5	4.4
	0830	1.4	0.4
	1345	11.5	3.5
	2030	1.9	0.6
3 Sa	0205	14.9	4.5
	0955	1.1	0.3
	1505	12.0	3.7
	2155	1.6	0.5
4 Su	0320	15.9	4.8
	1115	0.8	0.2
	1615	13.2	4.0
	2310	1.2	0.4
5 M	0425	17.1	5.2
	1225	0.6	0.2
	1715	14.6	4.5
6 Tu	0020	0.9	0.3
	0520	18.1	5.5
	1320	0.5	0.2
	1805	15.9	4.8
7 W	0115	0.7	0.2
	0610	18.6	5.7
	1410	0.5	0.2
	1850	16.9	5.2
8 Th	0210	0.5	0.2
	0700	18.7	5.7
	1455	0.4	0.1
	1935	17.5	5.3
9 F	0305	0.5	0.2
	0745	18.3	5.6
	1535	0.4	0.1
	2015	17.8	5.4
10 Sa	0350	0.4	0.1
	0830	17.6	5.4
	1610	0.5	0.2
	2055	17.8	5.4
11 Su	0435	0.6	0.2
	0915	16.5	5.0
	1640	0.7	0.2
	2135	17.3	5.3
12 M	0515	0.8	0.2
	1000	15.1	4.6
	1715	1.1	0.3
	2220	16.5	5.0
13 Tu	0600	1.1	0.3
	1050	13.7	4.2
	1750	1.5	0.5
	2310	15.5	4.7
14 W	0650	1.5	0.5
	1150	12.3	3.7
	1835	2.2	0.7
15 Th	0010	14.5	4.4
	0755	1.8	0.5
	1305	11.3	3.4
	1940	2.7	0.8
16 F	0125	13.9	4.2
	0910	1.9	0.6
	1430	11.1	3.4
	2100	2.8	0.9
17 Sa	0245	13.8	4.2
	1030	1.6	0.5
	1545	11.6	3.5
	2220	2.5	0.8
18 Su	0355	14.2	4.3
	1135	1.2	0.4
	1645	12.6	3.8
	2325	1.9	0.6
19 M	0450	14.8	4.5
	1220	1.0	0.3
	1725	13.5	4.1
20 Tu	0020	1.3	0.4
	0530	15.3	4.7
	1300	1.0	0.3
	1755	14.4	4.4
21 W	0100	1.0	0.3
	0610	15.9	4.8
	1330	1.0	0.3
	1825	15.2	4.6
22 Th	0140	0.9	0.3
	0640	16.3	5.0
	1405	1.1	0.3
	1855	15.8	4.8
23 F	0215	0.8	0.2
	0710	16.6	5.1
	1435	1.1	0.3
	1920	16.3	5.0
24 Sa	0250	0.7	0.2
	0740	16.6	5.1
	1500	1.1	0.3
	1950	16.5	5.0
25 Su	0325	0.7	0.2
	0810	16.1	4.9
	1530	1.1	0.3
	2020	16.6	5.1
26 M	0355	0.7	0.2
	0845	15.5	4.7
	1555	1.1	0.3
	2055	16.5	5.0
27 Tu	0430	0.9	0.3
	0920	14.7	4.5
	1625	1.2	0.4
	2130	16.2	4.9
28 W	0505	1.2	0.4
	1000	13.8	4.2
	1655	1.5	0.5
	2215	15.7	4.8
29 Th	0550	1.5	0.5
	1050	12.8	3.9
	1740	1.9	0.6
	2310	15.1	4.6
30 F	0655	1.6	0.5
	1205	12.0	3.7
	1850	2.1	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0030	14.7	4.5	16	0200	13.4	4.1
Sa	0820	1.4	0.4	Su	0945	2.0	0.6
	1330	11.8	3.6		1510	11.5	3.5
	2020	2.0	0.6		2145	2.8	0.9
2	0155	15.0	4.6	17	0315	13.5	4.1
Su	0945	1.1	0.3	M	1050	1.5	0.5
	1455	12.5	3.8		1610	12.4	3.8
	2150	1.6	0.5		2255	2.1	0.6
3	0315	15.8	4.8	18	0415	14.0	4.3
M	1105	0.9	0.3	Tu	1140	1.1	0.3
	1605	13.9	4.2		1650	13.5	4.1
	2310	1.2	0.4		2350	1.4	0.4
4	0415	16.8	5.1	19	0500	14.6	4.5
Tu	1205	0.8	0.2	W	1220	1.0	0.3
	1655	15.4	4.7		1720	14.6	4.5
5	0015	0.9	0.3	20	0035	1.0	0.3
W	0510	17.6	5.4	Th	0535	15.2	4.6
	1255	0.7	0.2		1255	1.1	0.3
	1745	16.7	5.1		1750	15.7	4.8
6	0110	0.7	0.2	21	0115	0.9	0.3
Th	0600	18.0	5.5	F	0610	15.8	4.8
	1345	0.6	0.2		1325	1.2	0.4
	1825	17.7	5.4		1820	16.5	5.0
7	0200	0.5	0.2	22	0155	0.8	0.2
F	0645	18.0	5.5	Sa	0645	16.1	4.9
	1425	0.6	0.2		1355	1.2	0.4
	1905	18.3	5.6		1850	17.1	5.2
8	0250	0.5	0.2	23	0230	0.7	0.2
Sa	0725	17.6	5.4	Su	0715	16.0	4.9
	1500	0.7	0.2		1425	1.1	0.3
	1945	18.5	5.6		1920	17.3	5.3
9	0330	0.5	0.2	24	0305	0.6	0.2
Su	0810	16.9	5.2	M	0745	15.7	4.8
	1535	0.8	0.2		1455	1.1	0.3
	2020	18.3	5.6		1950	17.4	5.3
10	0410	0.7	0.2	25	0340	0.6	0.2
M	0850	15.9	4.8	Tu	0820	15.1	4.6
	1605	1.0	0.3		1525	1.1	0.3
	2100	17.6	5.4		2025	17.3	5.3
11	0445	0.9	0.3	26	0415	0.9	0.3
Tu	0935	14.6	4.5	W	0900	14.4	4.4
	1635	1.3	0.4		1600	1.3	0.4
	2145	16.6	5.1		2110	16.9	5.2
12	0525	1.2	0.4	27	0455	1.1	0.3
W	1020	13.3	4.1	Th	0945	13.7	4.2
	1710	1.8	0.5		1640	1.6	0.5
	2235	15.5	4.7		2200	16.3	5.0
13	0615	1.7	0.5	28	0550	1.4	0.4
Th	1120	12.1	3.7	F	1045	13.0	4.0
	1800	2.4	0.7		1735	2.0	0.6
	2330	14.5	4.4		2300	15.6	4.8
14	0715	2.1	0.6	29	0650	1.5	0.5
F	1230	11.3	3.4	Sa	1200	12.5	3.8
	1900	3.0	0.9		1850	2.2	0.7
15	0045	13.7	4.2	30	0020	15.1	4.6
Sa	0825	2.2	0.7	Su	0810	1.4	0.4
	1350	11.1	3.4		1320	12.7	3.9
	2020	3.2	1.0		2020	2.1	0.6
				31	0145	15.1	4.6
				M	0930	1.2	0.4
					1440	13.5	4.1
					2145	1.7	0.5

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0300	15.5	4.7	16	0325	13.2	4.0
Tu	1040	1.1	0.3	W	1045	1.3	0.4
	1545	14.8	4.5		1605	13.3	4.1
	2300	1.2	0.4		2305	1.5	0.5
2	0405	16.1	4.9	17	0420	13.7	4.2
W	1140	1.0	0.3	Th	1130	1.2	0.4
	1635	16.1	4.9		1640	14.6	4.5
3	0005	0.9	0.3	18	0000	1.0	0.3
Th	0455	16.6	5.1	F	0500	14.3	4.4
	1225	0.9	0.3		1205	1.2	0.4
	1720	17.3	5.3		1715	15.8	4.8
4	0100	0.7	0.2	19	0045	0.8	0.2
F	0545	16.9	5.2	Sa	0540	14.8	4.5
	1310	0.9	0.3		1245	1.1	0.3
	1800	18.1	5.5		1745	16.7	5.1
5	0150	0.6	0.2	20	0125	0.7	0.2
Sa	0625	16.8	5.1	Su	0615	15.1	4.6
	1350	0.9	0.3		1320	1.1	0.3
	1840	18.5	5.6		1820	17.4	5.3
6	0230	0.6	0.2	21	0205	0.6	0.2
Su	0710	16.5	5.0	M	0650	15.2	4.6
	1425	1.0	0.3		1355	1.0	0.3
	1920	18.5	5.6		1850	17.7	5.4
7	0310	0.6	0.2	22	0245	0.5	0.2
M	0745	15.8	4.8	Tu	0725	15.1	4.6
	1500	1.1	0.3		1430	1.0	0.3
	1955	18.1	5.5		1930	17.9	5.5
8	0350	0.8	0.2	23	0325	0.6	0.2
Tu	0825	15.0	4.6	W	0810	14.8	4.5
	1535	1.2	0.4		1510	1.0	0.3
	2035	17.4	5.3		2010	17.9	5.5
9	0425	1.0	0.3	24	0410	0.8	0.2
W	0910	14.0	4.3	Th	0850	14.4	4.4
	1610	1.5	0.5		1550	1.1	0.3
	2120	16.5	5.0		2100	17.5	5.3
10	0500	1.3	0.4	25	0455	1.0	0.3
Th	0955	13.1	4.0	F	0945	13.9	4.2
	1645	1.8	0.5		1640	1.4	0.4
	2205	15.5	4.7		2155	16.8	5.1
11	0545	1.7	0.5	26	0545	1.2	0.4
F	1050	12.3	3.7	Sa	1045	13.5	4.1
	1730	2.4	0.7		1740	1.7	0.5
	2300	14.6	4.5		2255	16.1	4.9
12	0635	2.0	0.6	27	0645	1.3	0.4
Sa	1150	11.7	3.6	Su	1150	13.4	4.1
	1825	2.9	0.9		1850	2.0	0.6
13	0000	13.8	4.2	28	0005	15.4	4.7
Su	0735	2.2	0.7	M	0755	1.3	0.4
	1300	11.4	3.5		1305	13.7	4.2
	1935	3.1	0.9		2010	2.0	0.6
14	0110	13.2	4.0	29	0125	14.9	4.5
M	0845	2.1	0.6	Tu	0900	1.3	0.4
	1410	11.6	3.5		1415	14.3	4.4
	2050	2.8	0.9		2130	1.7	0.5
15	0225	13.0	4.0	30	0240	14.8	4.5
Tu	0950	1.7	0.5	W	1005	1.2	0.4
	1515	12.3	3.7		1515	15.3	4.7
	2205	2.2	0.7		2245	1.3	0.4

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0345	15.0	4.6	16	0330	12.7	3.9
Th	1105	1.2	0.4	F	1025	1.5	0.5
	1610	16.2	4.9		1550	14.4	4.4
	2350	0.9	0.3		2315	1.2	0.4
2	0440	15.2	4.6	17	0420	13.2	4.0
F	1155	1.2	0.4	Sa	1110	1.4	0.4
	1655	17.1	5.2		1630	15.6	4.8
3	0045	0.7	0.2	18	0010	0.8	0.2
Sa	0530	15.4	4.7	Su	0505	13.6	4.1
	1240	1.1	0.3		1200	1.1	0.3
	1740	17.7	5.4		1710	16.6	5.1
4	0130	0.6	0.2	19	0055	0.6	0.2
Su	0615	15.4	4.7	M	0545	14.0	4.3
	1320	1.0	0.3		1240	1.0	0.3
	1820	17.9	5.5		1750	17.3	5.3
5	0215	0.6	0.2	20	0145	0.5	0.2
M	0655	15.1	4.6	Tu	0625	14.4	4.4
	1400	1.1	0.3		1325	0.9	0.3
	1900	17.9	5.5		1830	17.9	5.5
6	0250	0.7	0.2	21	0230	0.5	0.2
Tu	0730	14.7	4.5	W	0710	14.7	4.5
	1435	1.1	0.3		1415	0.9	0.3
	1935	17.5	5.3		1915	18.3	5.6
7	0330	0.8	0.2	22	0320	0.6	0.2
W	0810	14.2	4.3	Th	0800	14.9	4.5
	1510	1.2	0.4		1500	0.9	0.3
	2020	17.0	5.2		2005	18.4	5.6
8	0405	1.0	0.3	23	0405	0.7	0.2
Th	0850	13.7	4.2	F	0845	14.8	4.5
	1550	1.4	0.4		1550	0.9	0.3
	2100	16.3	5.0		2055	18.0	5.5
9	0440	1.2	0.4	24	0450	0.8	0.2
F	0935	13.2	4.0	Sa	0935	14.6	4.5
	1625	1.6	0.5		1640	1.1	0.3
	2140	15.5	4.7		2145	17.2	5.2
10	0515	1.5	0.5	25	0540	0.9	0.3
Sa	1020	12.7	3.9	Su	1030	14.5	4.4
	1705	2.0	0.6		1735	1.3	0.4
	2230	14.7	4.5		2245	16.3	5.0
11	0600	1.7	0.5	26	0630	1.0	0.3
Su	1110	12.3	3.7	M	1130	14.5	4.4
	1750	2.4	0.7		1840	1.6	0.5
	2320	13.9	4.2		2345	15.3	4.7
12	0645	1.8	0.5	27	0725	1.2	0.4
M	1205	12.0	3.7	Tu	1235	14.6	4.5
	1845	2.7	0.8		1950	1.7	0.5
13	0015	13.2	4.0	28	0055	14.4	4.4
Tu	0735	1.9	0.6	W	0820	1.4	0.4
	1305	12.0	3.7		1340	14.8	4.5
	1955	2.6	0.8		2105	1.7	0.5
14	0120	12.6	3.8	29	0210	13.8	4.2
W	0835	1.9	0.6	Th	0925	1.5	0.5
	1405	12.4	3.8		1445	15.2	4.6
	2105	2.1	0.6		2220	1.4	0.4
15	0230	12.4	3.8	30	0320	13.6	4.1
Th	0930	1.7	0.5	F	1025	1.6	0.5
	1500	13.3	4.1		1540	15.8	4.8
	2215	1.6	0.5		2325	1.1	0.3
				31	0425	13.7	4.2
				Sa	1120	1.5	0.5
					1635	16.4	5.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

HALIFAX, NOVA SCOTIA, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0320	2.2	0.7
	0905	7.8	2.4
	1550	1.0	0.3
	2145	7.2	2.2
2 Su	0415	2.3	0.7
	0950	7.6	2.3
	1655	1.1	0.3
	2245	7.2	2.2
3 M	0515	2.5	0.8
	1050	7.4	2.3
	1750	1.3	0.4
	2330	7.1	2.2
4 Tu	0625	2.6	0.8
	1135	7.0	2.1
	1845	1.6	0.5
5 W	0030	6.9	2.1
	0720	2.6	0.8
	1240	6.6	2.0
	1945	1.9	0.6
6 Th	0120	6.8	2.1
	0820	2.6	0.8
	1345	6.2	1.9
	2035	2.2	0.7
7 F	0215	6.6	2.0
	0915	2.5	0.8
	1500	6.0	1.8
	2140	2.4	0.7
8 Sa	0320	6.6	2.0
	1025	2.4	0.7
	1610	5.9	1.8
	2230	2.6	0.8
9 Su	0430	6.5	2.0
	1110	2.2	0.7
	1710	6.0	1.8
	2315	2.7	0.8
10 M	0510	6.6	2.0
	1205	2.1	0.6
	1755	6.1	1.9
11 Tu	0005	2.8	0.9
	0555	6.7	2.0
	1250	1.9	0.6
	1840	6.2	1.9
12 W	0045	2.8	0.9
	0635	6.8	2.1
	1320	1.8	0.5
	1915	6.4	2.0
13 Th	0140	2.7	0.8
	0725	6.8	2.1
	1400	1.7	0.5
	2005	6.5	2.0
14 F	0200	2.7	0.8
	0800	6.9	2.1
	1440	1.7	0.5
	2045	6.5	2.0
15 Sa	0240	2.7	0.8
	0835	6.9	2.1
	1515	1.8	0.5
	2125	6.6	2.0
16 Su	0315	2.7	0.8
	0915	6.8	2.1
	1535	1.9	0.6
	2155	6.6	2.0
17 M	0400	2.8	0.9
	0945	6.8	2.1
	1615	2.0	0.6
	2230	6.6	2.0
18 Tu	0430	2.9	0.9
	1020	6.6	2.0
	1655	2.2	0.7
	2305	6.6	2.0
19 W	0515	3.0	0.9
	1100	6.4	2.0
	1735	2.3	0.7
	2330	6.6	2.0
20 Th	0610	3.0	0.9
	1135	6.3	1.9
	1815	2.5	0.8
21 F	0015	6.5	2.0
	0705	3.0	0.9
	1215	6.1	1.9
	1910	2.6	0.8
22 Sa	0100	6.5	2.0
	0805	2.9	0.9
	1315	5.8	1.8
	2005	2.7	0.8
23 Su	0155	6.5	2.0
	0910	2.8	0.9
	1420	5.7	1.7
	2110	2.7	0.8
24 M	0300	6.6	2.0
	1000	2.5	0.8
	1540	5.8	1.8
	2210	2.7	0.8
25 Tu	0400	6.8	2.1
	1100	2.1	0.6
	1650	6.0	1.8
	2320	2.5	0.8
26 W	0505	7.0	2.1
	1200	1.7	0.5
	1800	6.3	1.9
27 Th	0025	2.3	0.7
	0600	7.3	2.2
	1310	1.3	0.4
	1855	6.6	2.0
28 F	0120	2.1	0.6
	0710	7.6	2.3
	1355	1.0	0.3
	1950	7.0	2.1
29 Sa	0205	2.0	0.6
	0800	7.7	2.3
	1450	0.8	0.2
	2050	7.2	2.2
30 Su	0310	1.9	0.6
	0845	7.7	2.3
	1530	0.8	0.2
	2130	7.4	2.3
31 M	0355	2.0	0.6
	0940	7.7	2.3
	1625	1.0	0.3
	2220	7.4	2.3

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0450	2.1	0.6
	1035	7.5	2.3
	1730	1.3	0.4
	2305	7.3	2.2
2 W	0550	2.2	0.7
	1125	7.1	2.2
	1815	1.7	0.5
	2355	7.1	2.2
3 Th	0650	2.3	0.7
	1205	6.7	2.0
	1905	2.1	0.6
4 F	0050	6.8	2.1
	0745	2.4	0.7
	1310	6.3	1.9
	2010	2.4	0.7
5 Sa	0145	6.5	2.0
	0855	2.4	0.7
	1405	5.9	1.8
	2100	2.7	0.8
6 Su	0235	6.2	1.9
	0945	2.5	0.8
	1515	5.7	1.7
	2155	2.9	0.9
7 M	0330	6.1	1.9
	1035	2.4	0.7
	1630	5.7	1.7
	2245	3.0	0.9
8 Tu	0435	6.1	1.9
	1130	2.3	0.7
	1730	5.8	1.8
	2345	3.0	0.9
9 W	0535	6.3	1.9
	1215	2.2	0.7
	1820	6.0	1.8
10 Th	0030	2.9	0.9
	0620	6.5	2.0
	1255	2.0	0.6
	1905	6.2	1.9
11 F	0100	2.7	0.8
	0705	6.6	2.0
	1340	1.9	0.6
	1940	6.4	2.0
12 Sa	0145	2.6	0.8
	0740	6.8	2.1
	1400	1.8	0.5
	2020	6.6	2.0
13 Su	0220	2.5	0.8
	0825	6.9	2.1
	1435	1.8	0.5
	2050	6.7	2.0
14 M	0300	2.5	0.8
	0855	6.9	2.1
	1505	1.8	0.5
	2125	6.7	2.0
15 Tu	0320	2.4	0.7
	0935	6.8	2.1
	1545	1.9	0.6
	2200	6.8	2.1
16 W	0405	2.5	0.8
	1010	6.7	2.0
	1620	2.1	0.6
	2235	6.8	2.1
17 Th	0440	2.6	0.8
	1035	6.5	2.0
	1650	2.2	0.7
	2310	6.8	2.1
18 F	0535	2.6	0.8
	1120	6.3	1.9
	1735	2.4	0.7
	2345	6.7	2.0
19 Sa	0635	2.7	0.8
	1200	6.1	1.9
	1830	2.7	0.8
20 Su	0025	6.6	2.0
	0730	2.7	0.8
	1245	5.9	1.8
	1940	2.8	0.9
21 M	0125	6.5	2.0
	0840	2.6	0.8
	1355	5.7	1.7
	2055	2.8	0.9
22 Tu	0215	6.4	2.0
	0950	2.4	0.7
	1515	5.7	1.7
	2155	2.8	0.9
23 W	0340	6.5	2.0
	1045	2.1	0.6
	1635	5.9	1.8
	2310	2.6	0.8
24 Th	0455	6.7	2.0
	1150	1.7	0.5
	1745	6.3	1.9
25 F	0005	2.3	0.7
	0600	7.1	2.2
	1300	1.3	0.4
	1855	6.7	2.0
26 Sa	0100	2.0	0.6
	0650	7.4	2.3
	1340	1.0	0.3
	1940	7.1	2.2
27 Su	0200	1.8	0.5
	0755	7.6	2.3
	1430	0.9	0.3
	2030	7.4	2.3
28 M	0245	1.6	0.5
	0830	7.7	2.3
	1520	0.9	0.3
	2115	7.5	2.3

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0340	1.6	0.5
	0920	7.6	2.3
	1605	1.1	0.3
	2155	7.5	2.3
2 W	0435	1.7	0.5
	1005	7.4	2.3
	1645	1.4	0.4
	2235	7.3	2.2
3 Th	0515	1.8	0.5
	1055	7.0	2.1
	1740	1.9	0.6
	2325	7.1	2.2
4 F	0620	2.0	0.6
	1145	6.6	2.0
	1835	2.3	0.7
5 Sa	0005	6.7	2.0
	0705	2.2	0.7
	1235	6.2	1.9
	1930	2.7	0.8
6 Su	0045	6.2	1.9
	0805	2.4	0.7
	1320	5.8	1.8
	2035	3.0	0.9
7 M	0145	5.9	1.8
	0855	2.5	0.8
	1435	5.6	1.7
	2130	3.1	0.9
8 Tu	0300	5.7	1.7
	0945	2.5	0.8
	1600	5.5	1.7
	2215	3.1	0.9
9 W	0410	5.7	1.7
	1050	2.5	0.8
	1710	5.7	1.7
	2300	3.0	0.9
10 Th	0500	5.9	1.8
	1140	2.4	0.7
	1745	5.9	1.8
	2350	2.8	0.9
11 F	0555	6.1	1.9
	1225	2.2	0.7
	1840	6.2	1.9
12 Sa	0030	2.6	0.8
	0640	6.4	2.0
	1255	2.1	0.6
	1910	6.4	2.0
13 Su	0115	2.4	0.7
	0725	6.6	2.0
	1340	1.9	0.6
	1950	6.6	2.0
14 M	0145	2.2	0.7
	0755	6.7	2.0
	1400	1.8	0.5
	2025	6.8	2.1
15 Tu	0225	2.1	0.6
	0835	6.7	2.0
	1440	1.8	0.5
	2050	6.9	2.1
16 W	0310	2.0	0.6
	0910	6.8	2.1
	1515	1.9	0.6
	2120	7.0	2.1
17 Th	0340	2.0	0.6
	0940	6.7	2.0
	1545	2.0	0.6
	2200	7.0	2.1
18 F	0420	2.1	0.6
	1020	6.5	2.0
	1635	2.2	0.7
	2240	6.9	2.1
19 Sa	0505	2.2	0.7
	1055	6.4	2.0
	1720	2.5	0.8
	2310	6.8	2.1
20 Su	0600	2.3	0.7
	1140	6.2	1.9
	1830	2.7	0.8
21 M	0000	6.6	2.0
	0710	2.4	0.7
	1235	5.9	1.8
	1935	2.9	0.9
22 Tu	0050	6.4	2.0
	0820	2.3	0.7
	1330	5.7	1.7
	2050	2.9	0.9
23 W	0205	6.2	1.9
	0930	2.2	0.7
	1500	5.7	1.7
	2150	2.8	0.9
24 Th	0325	6.2	1.9
	1040	1.9	0.6
	1635	6.0	1.8
	2300	2.6	0.8
25 F	0445	6.4	2.0
	1140	1.6	0.5
	1740	6.4	2.0
26 Sa	0000	2.3	0.7
	0555	6.8	2.1
	1230	1.4	0.4
	1840	6.9	2.1
27 Su	0055	1.9	0.6
	0645	7.1	2.2
	1325	1.1	0.3
	1925	7.2	2.2
28 M	0150	1.6	0.5
	0735	7.3	2.2
	1400	1.0	0.3
	2010	7.5	2.3
29 Tu	0240	1.4	0.4
	0825	7.4	2.3
	1450	1.1	0.3
	2050	7.5	2.3
30 W	0325	1.3	0.4
	0915	7.3	2.2
	1530	1.4	0.4
	2125	7.4	2.3
31 Th	0410	1.3	0.4
	0945	7.1	2.2
	1615	1.7	0.5
	2215	7.2	2.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0445	1.6	0.5	16 Sa	0410	1.6	0.5
	1045	6.9	2.1		1005	6.5	2.0
	1700	2.2	0.7		1615	2.3	0.7
	2255	6.9	2.1		2210	7.0	2.1
2 Sa	0540	1.8	0.5	17 Su	0455	1.8	0.5
	1125	6.5	2.0		1050	6.4	2.0
	1755	2.6	0.8		1700	2.5	0.8
	2325	6.5	2.0		2255	6.8	2.1
3 Su	0630	2.1	0.6	18 M	0550	1.9	0.6
	1210	6.2	1.9		1140	6.2	1.9
	1900	2.9	0.9		1815	2.8	0.9
					2350	6.6	2.0
4 M	0005	6.1	1.9	19 Tu	0705	2.0	0.6
	0720	2.3	0.7		1230	6.0	1.8
	1255	5.8	1.8		1930	2.9	0.9
	1955	3.1	0.9				
5 Tu	0100	5.8	1.8	20 W	0040	6.3	1.9
	0805	2.5	0.8		0800	2.0	0.6
	1355	5.6	1.7		1330	5.8	1.8
	2045	3.2	1.0		2040	2.9	0.9
6 W	0205	5.6	1.7	21 Th	0145	6.1	1.9
	0910	2.6	0.8		0910	1.9	0.6
	1510	5.5	1.7		1505	5.9	1.8
	2135	3.2	1.0		2150	2.8	0.9
7 Th	0320	5.5	1.7	22 F	0310	6.1	1.9
	0955	2.6	0.8		1015	1.8	0.5
	1630	5.7	1.7		1620	6.2	1.9
	2225	3.1	0.9		2245	2.5	0.8
8 F	0430	5.6	1.7	23 Sa	0430	6.3	1.9
	1050	2.5	0.8		1110	1.6	0.5
	1715	5.9	1.8		1720	6.6	2.0
	2320	2.9	0.9		2355	2.1	0.6
9 Sa	0520	5.9	1.8	24 Su	0540	6.5	2.0
	1135	2.4	0.7		1200	1.5	0.5
	1755	6.2	1.9		1810	7.0	2.1
10 Su	0005	2.6	0.8	25 M	0045	1.8	0.5
	0600	6.1	1.9		0625	6.7	2.0
	1215	2.2	0.7		1300	1.4	0.4
	1840	6.5	2.0		1850	7.2	2.2
11 M	0045	2.3	0.7	26 Tu	0135	1.5	0.5
	0655	6.3	1.9		0715	6.9	2.1
	1250	2.1	0.6		1350	1.5	0.5
	1900	6.7	2.0		1930	7.4	2.3
12 Tu	0120	2.0	0.6	27 W	0220	1.3	0.4
	0725	6.5	2.0		0805	7.0	2.1
	1335	2.0	0.6		1430	1.6	0.5
	1945	6.9	2.1		2015	7.3	2.2
13 W	0205	1.8	0.5	28 Th	0300	1.2	0.4
	0805	6.6	2.0		0850	6.9	2.1
	1405	1.9	0.6		1510	1.8	0.5
	2020	7.1	2.2		2055	7.2	2.2
14 Th	0240	1.7	0.5	29 F	0335	1.2	0.4
	0840	6.6	2.0		0930	6.8	2.1
	1455	1.9	0.6		1550	2.1	0.6
	2050	7.1	2.2		2145	7.0	2.1
15 F	0315	1.6	0.5	30 Sa	0415	1.4	0.4
	0925	6.6	2.0		1010	6.6	2.0
	1530	2.1	0.6		1635	2.4	0.7
	2135	7.1	2.2		2215	6.7	2.0

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0500	1.6	0.5	16 M	0500	1.4	0.4
	1055	6.4	2.0		1030	6.4	2.0
	1730	2.8	0.9		1710	2.5	0.8
	2250	6.4	2.0		2245	6.9	2.1
2 M	0550	1.9	0.6	17 Tu	0545	1.5	0.5
	1135	6.1	1.9		1130	6.3	1.9
	1805	3.0	0.9		1815	2.7	0.8
	2330	6.1	1.9		2340	6.7	2.0
3 Tu	0635	2.2	0.7	18 W	0650	1.6	0.5
	1230	5.9	1.8		1225	6.2	1.9
	1905	3.1	0.9		1920	2.7	0.8
4 W	0025	5.8	1.8	19 Th	0030	6.4	2.0
	0730	2.4	0.7		0750	1.7	0.5
	1315	5.7	1.7		1335	6.1	1.9
	1955	3.2	1.0		2030	2.7	0.8
5 Th	0115	5.6	1.7	20 F	0130	6.1	1.9
	0815	2.5	0.8		0850	1.7	0.5
	1425	5.6	1.7		1455	6.2	1.9
	2100	3.2	1.0		2135	2.5	0.8
6 F	0225	5.5	1.7	21 Sa	0300	6.0	1.8
	0910	2.5	0.8		0950	1.7	0.5
	1525	5.7	1.7		1600	6.4	2.0
	2140	3.0	0.9		2240	2.3	0.7
7 Sa	0340	5.5	1.7	22 Su	0415	6.1	1.9
	0945	2.5	0.8		1055	1.7	0.5
	1620	5.9	1.8		1700	6.7	2.0
	2235	2.8	0.9		2335	2.0	0.6
8 Su	0430	5.6	1.7	23 M	0515	6.2	1.9
	1040	2.4	0.7		1145	1.7	0.5
	1700	6.2	1.9		1750	6.9	2.1
	2325	2.5	0.8				
9 M	0525	5.8	1.8	24 Tu	0020	1.7	0.5
	1125	2.3	0.7		0605	6.4	2.0
	1755	6.5	2.0		1245	1.8	0.5
					1825	7.0	2.1
10 Tu	0005	2.2	0.7	25 W	0110	1.4	0.4
	0605	6.0	1.8		0655	6.5	2.0
	1210	2.2	0.7		1315	1.9	0.6
	1820	6.8	2.1		1900	7.1	2.2
11 W	0050	1.8	0.5	26 Th	0150	1.2	0.4
	0645	6.2	1.9		0745	6.5	2.0
	1300	2.1	0.6		1410	2.0	0.6
	1905	7.0	2.1		1955	7.0	2.1
12 Th	0135	1.6	0.5	27 F	0230	1.2	0.4
	0735	6.3	1.9		0825	6.5	2.0
	1345	2.0	0.6		1450	2.1	0.6
	1945	7.1	2.2		2025	6.9	2.1
13 F	0215	1.3	0.4	28 Sa	0310	1.2	0.4
	0815	6.4	2.0		0905	6.5	2.0
	1425	2.0	0.6		1525	2.3	0.7
	2020	7.2	2.2		2100	6.8	2.1
14 Sa	0300	1.3	0.4	29 Su	0345	1.4	0.4
	0905	6.5	2.0		0945	6.4	2.0
	1515	2.1	0.6		1610	2.5	0.8
	2100	7.2	2.2		2155	6.6	2.0
15 Su	0355	1.3	0.4	30 M	0435	1.6	0.5
	0955	6.5	2.0		1035	6.3	1.9
	1610	2.2	0.7		1650	2.7	0.8
	2150	7.1	2.2		2230	6.3	1.9
				31 Tu	0505	1.8	0.5
					1110	6.1	1.9
					1730	2.9	0.9
					2300	6.1	1.9

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0600	2.1	0.6	16 Th	0630	1.3	0.4
	1200	6.0	1.8		1215	6.6	2.0
	1820	3.1	0.9		1905	2.5	0.8
	2350	5.9	1.8				
2 Th	0640	2.3	0.7	17 F	0020	6.5	2.0
	1240	5.9	1.8		0730	1.4	0.4
	1905	3.1	0.9		1315	6.5	2.0
					2015	2.4	0.7
3 F	0035	5.7	1.7	18 Sa	0120	6.2	1.9
	0725	2.4	0.7		0840	1.6	0.5
	1330	5.8	1.8		1415	6.5	2.0
	2005	3.1	0.9		2115	2.3	0.7
4 Sa	0130	5.5	1.7	19 Su	0245	5.9	1.8
	0810	2.5	0.8		0930	1.8	0.5
	1420	5.9	1.8		1525	6.5	2.0
	2050	2.9	0.9		2210	2.1	0.6
5 Su	0235	5.4	1.6	20 M	0345	5.9	1.8
	0900	2.5	0.8		1020	2.0	0.6
	1525	6.0	1.8		1615	6.6	2.0
	2155	2.7	0.8		2305	1.9	0.6
6 M	0335	5.4	1.6	21 Tu	0455	5.9	1.8
	0955	2.5	0.8		1115	2.1	0.6
	1610	6.2	1.9		1710	6.6	2.0
	2240	2.5	0.8				
7 Tu	0430	5.6	1.7	22 W	0005	1.6	0.5
	1040	2.4	0.7		0600	6.1	1.9
	1700	6.5	2.0		1210	2.2	0.7
	2335	2.1	0.6		1755	6.6	2.0
8 W	0530	5.8	1.8	23 Th	0045	1.5	0.5
	1140	2.3	0.7		0630	6.2	1.9
	1745	6.7	2.0		1305	2.3	0.7
					1835	6.6	2.0
9 Th	0020	1.8	0.5	24 F	0140	1.3	0.4
	0620	6.0	1.8		0715	6.2	1.9
	1225	2.2	0.7		1350	2.3	0.7
	1830	6.9	2.1		1915	6.7	2.0
10 F	0110	1.5	0.5	25 Sa	0210	1.3	0.4
	0715	6.2	1.9		0815	6.3	1.9
	1325	2.1	0.6		1420	2.4	0.7
	1915	7.1	2.2		2010	6.6	2.0
11 Sa	0205	1.2	0.4	26 Su	0255	1.3	0.4
	0755	6.4	2.0		0900	6.3	1.9
	1405	2.0	0.6		1500	2.5	0.8
	2005	7.2	2.2		2050	6.6	2.0
12 Su	0245	1.0	0.3	27 M	0320	1.5	0.5
	0855	6.5	2.0		0935	6.3	1.9
	1505	2.1	0.6		1535	2.6	0.8
	2045	7.2	2.2		2125	6.5	2.0
13 M	0345	1.0	0.3	28 Tu	0400	1.6	0.5
	0935	6.6	2.0		1005	6.3	1.9
	1600	2.2	0.7		1610	2.7	0.8
	2145	7.2	2.2		2215	6.4	2.0
14 Tu	0435	1.1	0.3	29 W	0430	1.8	0.5
	1035	6.6	2.0		1055	6.2	1.9
	1700	2.3	0.7		1650	2.8	0.9
	2240	7.0	2.1		2250	6.2	1.9
15 W	0530	1.1	0.3	30 Th	0515	2.0	0.6
	1125	6.6	2.0		1120	6.1	1.9
	1810	2.4	0.7		1740	2.9	0.9
	2325	6.8	2.1		2315	6.0	1.8

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

HALIFAX, NOVA SCOTIA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0550	2.2	0.7
	1210	6.1	1.9
	1835	2.9	0.9
2 Sa	0010	5.8	1.8
	0640	2.3	0.7
	1245	6.1	1.9
	1930	2.9	0.9
3 Su	0050	5.6	1.7
	0725	2.4	0.7
	1320	6.1	1.9
	2015	2.7	0.8
4 M	0130	5.4	1.6
	0810	2.5	0.8
	1415	6.1	1.9
	2100	2.5	0.8
5 Tu	0245	5.4	1.6
	0910	2.5	0.8
	1505	6.2	1.9
	2205	2.3	0.7
6 W	0345	5.4	1.6
	1005	2.5	0.8
	1600	6.4	2.0
	2300	2.0	0.6
7 Th	0455	5.6	1.7
	1105	2.4	0.7
	1705	6.6	2.0
	2355	1.7	0.5
8 F	0555	5.9	1.8
	1205	2.3	0.7
	1755	6.8	2.1
9 Sa	0045	1.3	0.4
	0645	6.1	1.9
	1305	2.1	0.6
	1845	7.0	2.1
10 Su	0150	1.0	0.3
	0735	6.4	2.0
	1355	2.0	0.6
	1945	7.2	2.2
11 M	0230	0.8	0.2
	0840	6.6	2.0
	1445	1.9	0.6
	2030	7.3	2.2
12 Tu	0325	0.7	0.2
	0925	6.8	2.1
	1555	1.9	0.6
	2130	7.3	2.2
13 W	0430	0.7	0.2
	1025	6.9	2.1
	1650	2.0	0.6
	2215	7.1	2.2
14 Th	0515	0.9	0.3
	1105	6.9	2.1
	1755	2.1	0.6
	2315	6.9	2.1
15 F	0610	1.2	0.4
	1205	6.9	2.1
	1845	2.1	0.6
16 Sa	0000	6.5	2.0
	0705	1.4	0.4
	1250	6.7	2.0
	1950	2.1	0.6
17 Su	0110	6.2	1.9
	0815	1.7	0.5
	1345	6.5	2.0
	2045	2.0	0.6
18 M	0210	5.8	1.8
	0905	2.0	0.6
	1455	6.4	2.0
	2155	1.9	0.6
19 Tu	0315	5.7	1.7
	1000	2.3	0.7
	1550	6.3	1.9
	2240	1.8	0.5
20 W	0435	5.7	1.7
	1050	2.4	0.7
	1640	6.2	1.9
	2340	1.7	0.5
21 Th	0535	5.8	1.8
	1155	2.5	0.8
	1735	6.2	1.9
22 F	0015	1.6	0.5
	0630	5.9	1.8
	1235	2.5	0.8
	1820	6.3	1.9
23 Sa	0115	1.5	0.5
	0700	6.0	1.8
	1315	2.5	0.8
	1905	6.4	2.0
24 Su	0150	1.5	0.5
	0800	6.2	1.9
	1400	2.4	0.7
	1950	6.4	2.0
25 M	0215	1.5	0.5
	0830	6.2	1.9
	1445	2.4	0.7
	2025	6.5	2.0
26 Tu	0255	1.5	0.5
	0900	6.3	1.9
	1505	2.4	0.7
	2110	6.5	2.0
27 W	0330	1.6	0.5
	0945	6.4	2.0
	1545	2.5	0.8
	2145	6.4	2.0
28 Th	0405	1.8	0.5
	1025	6.4	2.0
	1615	2.5	0.8
	2225	6.3	1.9
29 F	0430	1.9	0.6
	1045	6.4	2.0
	1710	2.6	0.8
	2250	6.1	1.9
30 Sa	0515	2.1	0.6
	1120	6.3	1.9
	1800	2.6	0.8
	2330	5.9	1.8
31 Su	0550	2.3	0.7
	1200	6.3	1.9
	1845	2.6	0.8

AUGUST

Day	Time h m	Height ft	Height m
1 M	0005	5.7	1.7
	0635	2.5	0.8
	1240	6.3	1.9
	1935	2.6	0.8
2 Tu	0105	5.5	1.7
	0730	2.6	0.8
	1325	6.2	1.9
	2030	2.5	0.8
3 W	0200	5.4	1.6
	0830	2.7	0.8
	1415	6.2	1.9
	2130	2.3	0.7
4 Th	0300	5.4	1.6
	0935	2.6	0.8
	1525	6.3	1.9
	2230	2.0	0.6
5 F	0425	5.5	1.7
	1045	2.6	0.8
	1640	6.5	2.0
	2330	1.6	0.5
6 Sa	0525	5.8	1.8
	1150	2.4	0.7
	1730	6.8	2.1
7 Su	0040	1.3	0.4
	0630	6.2	1.9
	1255	2.1	0.6
	1840	7.1	2.2
8 M	0125	1.0	0.3
	0725	6.6	2.0
	1345	1.9	0.6
	1935	7.3	2.2
9 Tu	0220	0.7	0.2
	0825	7.0	2.1
	1435	1.8	0.5
	2020	7.4	2.3
10 W	0300	0.6	0.2
	0910	7.2	2.2
	1535	1.7	0.5
	2115	7.4	2.3
11 Th	0400	0.7	0.2
	1000	7.3	2.2
	1630	1.8	0.5
	2215	7.2	2.2
12 F	0445	0.9	0.3
	1055	7.3	2.2
	1725	1.8	0.5
	2255	6.9	2.1
13 Sa	0550	1.3	0.4
	1140	7.1	2.2
	1825	1.9	0.6
	2355	6.6	2.0
14 Su	0645	1.7	0.5
	1225	6.9	2.1
	1925	1.9	0.6
15 M	0040	6.2	1.9
	0740	2.1	0.6
	1300	6.5	2.0
	2015	1.9	0.6
16 Tu	0140	5.8	1.8
	0835	2.4	0.7
	1415	6.2	1.9
	2120	2.0	0.6
17 W	0255	5.6	1.7
	0930	2.6	0.8
	1500	6.0	1.8
	2210	2.0	0.6
18 Th	0405	5.5	1.7
	1040	2.7	0.8
	1605	5.9	1.8
	2310	1.9	0.6
19 F	0510	5.6	1.7
	1125	2.8	0.9
	1700	6.0	1.8
	2350	1.9	0.6
20 Sa	0610	5.8	1.8
	1210	2.7	0.8
	1800	6.1	1.9
21 Su	0040	1.8	0.5
	0650	6.0	1.8
	1250	2.6	0.8
	1845	6.3	1.9
22 M	0120	1.7	0.5
	0720	6.2	1.9
	1340	2.5	0.8
	1920	6.4	2.0
23 Tu	0150	1.7	0.5
	0805	6.4	2.0
	1400	2.4	0.7
	2010	6.5	2.0
24 W	0220	1.7	0.5
	0835	6.5	2.0
	1440	2.3	0.7
	2045	6.5	2.0
25 Th	0255	1.7	0.5
	0910	6.6	2.0
	1515	2.3	0.7
	2125	6.4	2.0
26 F	0325	1.8	0.5
	0950	6.6	2.0
	1545	2.3	0.7
	2150	6.3	1.9
27 Sa	0355	2.0	0.6
	1020	6.6	2.0
	1630	2.3	0.7
	2225	6.2	1.9
28 Su	0435	2.2	0.7
	1055	6.6	2.0
	1715	2.4	0.7
	2305	6.0	1.8
29 M	0510	2.4	0.7
	1115	6.5	2.0
	1810	2.4	0.7
	2345	5.8	1.8
30 Tu	0600	2.6	0.8
	1205	6.4	2.0
	1910	2.5	0.8
31 W	0025	5.6	1.7
	0705	2.8	0.9
	1245	6.3	1.9
	2000	2.4	0.7

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0115	5.5	1.7
	0810	2.9	0.9
	1355	6.2	1.9
	2110	2.3	0.7
2 F	0245	5.4	1.6
	0920	2.8	0.9
	1500	6.2	1.9
	2215	2.0	0.6
3 Sa	0410	5.6	1.7
	1040	2.7	0.8
	1615	6.4	2.0
	2320	1.7	0.5
4 Su	0520	6.0	1.8
	1145	2.4	0.7
	1715	6.8	2.1
5 M	0015	1.3	0.4
	0625	6.5	2.0
	1245	2.1	0.6
	1830	7.1	2.2
6 Tu	0100	0.9	0.3
	0710	6.9	2.1
	1335	1.8	0.5
	1915	7.3	2.2
7 W	0155	0.7	0.2
	0805	7.3	2.2
	1415	1.6	0.5
	2000	7.4	2.3
8 Th	0250	0.7	0.2
	0855	7.5	2.3
	1515	1.5	0.5
	2055	7.4	2.3
9 F	0340	0.8	0.2
	0935	7.5	2.3
	1610	1.5	0.5
	2155	7.2	2.2
10 Sa	0420	1.2	0.4
	1020	7.4	2.3
	1700	1.6	0.5
	2230	7.0	2.1
11 Su	0520	1.6	0.5
	1100	7.2	2.2
	1750	1.7	0.5
	2320	6.6	2.0
12 M	0610	2.1	0.6
	1145	6.8	2.1
	1845	1.8	0.5
13 Tu	0015	6.2	1.9
	0705	2.5	0.8
	1230	6.4	2.0
	1955	2.0	0.6
14 W	0110	5.8	1.8
	0800	2.7	0.8
	1325	6.0	1.8
	2045	2.1	0.6
15 Th	0230	5.6	1.7
	0910	2.9	0.9
	1420	5.8	1.8
	2135	2.2	0.7
16 F	0345	5.5	1.7
	1000	3.0	0.9
	1535	5.7	1.7
	2230	2.2	0.7
17 Sa	0455	5.7	1.7
	1045	2.9	0.9
	1650	5.8	1.8
	2320	2.2	0.7
18 Su	0535	5.9	1.8
	1140	2.8	0.9
	1735	6.1	1.9
19 M	0005	2.1	0.6
	0625	6.1	1.9
	1215	2.6	0.8
	1815	6.3	1.9
20 Tu	0040	2.0	0.6
	0655	6.4	2.0
	1305	2.4	0.7
	1905	6.4	2.0
21 W	0120	1.9	0.6
	0735	6.6	2.0
	1330	2.2	0.7
	1935	6.5	2.0
22 Th	0145	1.9	0.6
	0810	6.7	2.0
	1410	2.1	0.6
	2015	6.5	2.0
23 F	0215	1.9	0.6
	0830	6.8	2.1
	1455	2.0	0.6
	2045	6.5	2.0
24 Sa	0250	2.0	0.6
	0900	6.9	2.1
	1520	2.0	0.6
	2120	6.4	2.0
25 Su	0330	2.1	0.6
	0935	6.8	2.1
	1610	2.1	0.6
	2200	6.3	1.9
26 M	0410	2.3	0.7
	1010	6.8	2.1
	1655	2.2	0.7
	2235	6.1	1.9
27 Tu	0455	2.5	0.8
	1045	6.7	2.0
	1745	2.3	0.7
	2325	6.0	1.8
28 W	0550	2.8	0.9
	1140	6.6	2.0
	1850	2.4	0.7
29 Th	0015	5.8	1.8
	0645	3.0	0.9
	1215	6.4	2.0
	1945	2.3	0.7
30 F	0105	5.6	1.7
	0800	3.0	0.9
	1315	6.3	1.9
	2055	2.2	0.7

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0225	5.6	1.7
	0920	3.0	0.9
	1445	6.2	1.9
	2200	2.0	0.6
2 Su	0405	5.9	1.8
	1020	2.8	0.9
	1610	6.5	2.0
	2300	1.7	0.5
3 M	0505	6.4	2.0
	1120	2.5	0.8
	1710	6.8	2.1
	2355	1.4	0.4
4 Tu	0605	6.9	2.1
	1220	2.1	0.6
	1800	7.1	2.2
5 W	0055	1.1	0.3
	0645	7.3	2.2
	1320	1.8	0.5
	1900	7.3	2.2
6 Th	0130	1.0	0.3
	0730	7.6	2.3
	1415	1.5	0.5
	1945	7.4	2.3
7 F	0220	1.1	0.3
	0825	7.7	2.3
	1450	1.3	0.4
	2035	7.3	2.2
8 Sa	0305	1.3	0.4
	0905	7.6	2.3
	1540	1.3	0.4
	2125	7.2	2.2
9 Su	0355	1.7	0.5
	0945	7.4	2.3
	1630	1.5	0.5
	2210	6.9	2.1
10 M	0450	2.1	0.6
	1025	7.1	2.2
	1715	1.7	0.5
	2300	6.6	2.0
11 Tu	0545	2.5	0.8
	1100	6.7	2.0
	1815	2.0	0.6
	2355	6.3	1.9
12 W	0640	2.9	0.9
	1150	6.3	1.9
	1900	2.2	0.7
13 Th	0035	5.9	1.8
	0740	3.1	0.9
	1250	6.0	1.8
	2005	2.4	0.7
14 F	0140	5.7	1.7
	0835	3.2	1.0
	1350	5.7	1.7
	2055	2.5	0.8
15 Sa	0300	5.6	1.7
	0925	3.2	1.0
	1505	5.7	1.7
	2155	2.6	0.8

Day	Time h m	Height ft	Height m
16 Su	0405	5.8	1.8
	1020	3.1	0.9
	1610	5.8	1.8
	2230	2.5	0.8
17 M	0500	6.0	1.8
	1110	2.9	0.9
	1700	6.0	1.8
	2325	2.5	0.8
18 Tu	0540	6.3	1.9
	1155	2.7	0.8
	1745	6.2	1.9
19 W	0000	2.4	0.7
	0620	6.6	2.0
	1230	2.5	0.8
	1835	6.4	2.0
20 Th	0035	2.2	0.7
	0650	6.8	2.1
	1300	2.2	0.7
	1905	6.5	2.0
21 F	0115	2.2	0.7
	0720	7.0	2.1
	1345	2.0	0.6
	1950	6.5	2.0
22 Sa	0200	2.1	0.6
	0800	7.0	2.1
	1415	1.8	0.5
	2020	6.6	2.0
23 Su	0225	2.2	0.7
	0840	7.1	2.2
	1500	1.8	0.5
	2100	6.5	2.0
24 M	0310	2.3	0.7
	0900	7.1	2.2
	1540	1.9	0.6
	2140	6.4	2.0
25 Tu	0345	2.5	0.8
	0955	7.0	2.1
	1630	2.0	0.6
	2215	6.4	2.0
26 W	0430	2.7	0.8
	1030	6.9	2.1
	1730	2.2	0.7
	2300	6.2	1.9
27 Th	0540	3.0	0.9
	1115	6.7	2.0
	1830	2.3	0.7
28 F	0000	6.0	1.8
	0700	3.2	1.0
	1200	6.5	2.0
	1940	2.3	0.7
29 Sa	0100	5.9	1.8
	0805	3.2	1.0
	1310	6.3	1.9
	2040	2.2	0.7
30 Su	0230	6.0	1.8
	0905	3.0	0.9
	1425	6.3	1.9
	2140	2.0	0.6
31 M	0355	6.3	1.9
	1015	2.8	0.9
	1545	6.4	2.0
	2235	1.8	0.5

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0445	6.7	2.0
	1115	2.4	0.7
	1700	6.6	2.0
	2340	1.6	0.5
2 W	0540	7.1	2.2
	1205	2.0	0.6
	1750	6.9	2.1
3 Th	0025	1.5	0.5
	0625	7.4	2.3
	1305	1.6	0.5
	1850	7.1	2.2
4 F	0115	1.5	0.5
	0700	7.6	2.3
	1355	1.4	0.4
	1940	7.2	2.2
5 Sa	0205	1.6	0.5
	0745	7.6	2.3
	1440	1.2	0.4
	2025	7.2	2.2
6 Su	0250	1.9	0.6
	0835	7.5	2.3
	1520	1.3	0.4
	2115	7.0	2.1
7 M	0335	2.2	0.7
	0910	7.3	2.2
	1600	1.5	0.5
	2145	6.9	2.1
8 Tu	0425	2.5	0.8
	0955	7.0	2.1
	1650	1.7	0.5
	2230	6.6	2.0
9 W	0510	2.8	0.9
	1035	6.7	2.0
	1735	2.0	0.6
	2315	6.3	1.9
10 Th	0555	3.1	0.9
	1115	6.4	2.0
	1830	2.3	0.7
11 F	0005	6.1	1.9
	0645	3.3	1.0
	1205	6.1	1.9
	1920	2.6	0.8
12 Sa	0100	5.9	1.8
	0800	3.4	1.0
	1310	5.8	1.8
	2000	2.7	0.8
13 Su	0205	5.9	1.8
	0845	3.4	1.0
	1410	5.7	1.7
	2055	2.8	0.9
14 M	0315	5.9	1.8
	0940	3.2	1.0
	1520	5.7	1.7
	2145	2.8	0.9
15 Tu	0410	6.1	1.9
	1030	3.0	0.9
	1625	5.8	1.8
	2225	2.7	0.8

Day	Time h m	Height ft	Height m
16 W	0450	6.4	2.0
	1105	2.7	0.8
	1715	6.0	1.8
	2310	2.6	0.8
17 Th	0540	6.7	2.0
	1150	2.4	0.7
	1755	6.1	1.9
	2355	2.5	0.8
18 F	0605	6.9	2.1
	1230	2.1	0.6
	1835	6.3	1.9
19 Sa	0035	2.4	0.7
	0650	7.1	2.2
	1320	1.9	0.6
	1920	6.4	2.0
20 Su	0115	2.3	0.7
	0715	7.2	2.2
	1400	1.7	0.5
	1955	6.5	2.0
21 M	0210	2.3	0.7
	0800	7.2	2.2
	1445	1.6	0.5
	2035	6.6	2.0
22 Tu	0255	2.4	0.7
	0840	7.3	2.2
	1530	1.6	0.5
	2115	6.6	2.0
23 W	0330	2.6	0.8
	0925	7.2	2.2
	1620	1.7	0.5
	2205	6.6	2.0
24 Th	0430	2.8	0.9
	1010	7.1	2.2
	1715	1.8	0.5
	2300	6.5	2.0
25 F	0540	3.0	0.9
	1105	6.9	2.1
	1825	1.9	0.6
	2355	6.4	2.0
26 Sa	0650	3.1	0.9
	1155	6.7	2.0
	1915	2.0	0.6
27 Su	0105	6.4	2.0
	0750	3.1	0.9
	1305	6.4	2.0
	2025	2.0	0.6
28 M	0210	6.4	2.0
	0900	2.9	0.9
	1415	6.3	1.9
	2125	2.0	0.6
29 Tu	0320	6.7	2.0
	1000	2.6	0.8
	1535	6.3	1.9
	2215	2.0	0.6
30 W	0420	6.9	2.1
	1100	2.3	0.7
	1645	6.4	2.0
	2305	2.0	0.6

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0515	7.2	2.2
	1155	2.0	0.6
	1735	6.6	2.0
2 F	0015	2.0	0.6
	0600	7.4	2.3
	1255	1.6	0.5
	1830	6.8	2.1
3 Sa	0055	2.1	0.6
	0640	7.4	2.3
	1340	1.4	0.4
	1920	6.9	2.1
4 Su	0145	2.2	0.7
	0720	7.4	2.3
	1415	1.3	0.4
	2005	6.9	2.1
5 M	0230	2.4	0.7
	0810	7.3	2.2
	1455	1.4	0.4
	2055	6.9	2.1
6 Tu	0300	2.5	0.8
	0855	7.2	2.2
	1545	1.6	0.5
	2135	6.8	2.1
7 W	0355	2.7	0.8
	0935	7.0	2.1
	1615	1.8	0.5
	2215	6.6	2.0
8 Th	0440	3.0	0.9
	1010	6.7	2.0
	1650	2.1	0.6
	2300	6.5	2.0
9 F	0515	3.2	1.0
	1055	6.5	2.0
	1740	2.3	0.7
	2345	6.3	1.9
10 Sa	0610	3.4	1.0
	1140	6.3	1.9
	1825	2.6	0.8
11 Su	0020	6.2	1.9
	0700	3.4	1.0
	1220	6.0	1.8
	1910	2.8	0.9
12 M	0115	6.1	1.9
	0745	3.4	1.0
	1325	5.8	1.8
	1955	2.9	0.9
13 Tu	0205	6.1	1.9
	0850	3.3	1.0
	1425	5.6	1.7
	2050	2.9	0.9
14 W	0310	6.2	1.9
	0935	3.1	0.9
	1525	5.6	1.7
	2130	2.9	0.9
15 Th	0355	6.4	2.0
	1025	2.8	0.9
	1625	5.7	1.7
	2220	2.9	0.9

Day	Time h m	Height ft	Height m
16 F	0445	6.6	2.0
	1120	2.5	0.8
	1720	5.9	1.8
	2315	2.8	0.9
17 Sa	0525	6.8	2.1
	1200	2.1	0.6
	1810	6.1	1.9
18 Su	0010	2.6	0.8
	0605	7.1	2.2
	1250	1.8	0.5
	1845	6.3	1.9
19 M	0055	2.5	0.8
	0650	7.2	2.2
	1340	1.6	0.5
	1930	6.5	2.0
20 Tu	0150	2.4	0.7
	0735	7.4	2.3
	1425	1.4	0.4
	2020	6.7	2.0
21 W	0240	2.4	0.7
	0820	7.5	2.3
	1515	1.3	0.4
	2110	6.8	2.1
22 Th	0325	2.5	0.8
	0915	7.5	2.3
	1610	1.3	0.4
	2210	6.9	2.1
23 F	0420	2.6	0.8
	1010	7.4	2.3
	1700	1.5	0.5
	2255	6.9	2.1
24 Sa	0525	2.8	0.9
	1055	7.2	2.2
	1800	1.6	0.5
	2355	6.9	2.1
25 Su	0640	2.9	0.9
	1155	6.9	2.1
	1900	1.7	0.5
26 M	0050	6.8	2.1
	0735	2.9	0.9
	1255	6.6	2.0
	1955	1.9	0.6
27 Tu	0155	6.8	2.1
	0845	2.7	0.8
	1355	6.3	1.9
	2055	2.1	0.6
28 W	0245	6.8	2.1
	0945	2.5	0.8
	1505	6.1	1.9
	2150	2.2	0.7
29 Th	0350	6.9	2.1
	1045	2.2	0.7
	1630	6.1	1.9
	2245	2.3	0.7
30 F	0450	6.9	2.1
	1135	2.0	0.6
	1715	6.3	1.9
	2355	2.4	0.7
31 Sa	0540	7.0	2.1
	1230	1.7	0.5
	1820	6.4	2.0

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

ST. JOHN, NEW BRUNSWICK, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft	Height m
1 Sa	0040	25.6	7.8
	0650	2.7	0.8
	1255	27.3	8.3
	1920	1.0	0.3
2 Su	0130	25.5	7.8
	0735	2.8	0.9
	1345	26.9	8.2
	2010	1.3	0.4
3 M	0220	25.4	7.7
	0840	3.0	0.9
	1450	26.4	8.0
	2100	1.8	0.5
4 Tu	0315	25.1	7.7
	0940	3.5	1.1
	1550	25.6	7.8
	2215	2.6	0.8
5 W	0415	24.8	7.6
	1040	4.0	1.2
	1655	24.9	7.6
	2315	3.3	1.0
6 Th	0520	24.5	7.5
	1130	4.3	1.3
	1745	24.3	7.4
7 F	0000	3.7	1.1
	0625	24.5	7.5
	1240	4.4	1.3
	1855	23.9	7.3
8 Sa	0100	4.1	1.2
	0720	24.6	7.5
	1340	4.3	1.3
	1955	23.8	7.3
9 Su	0210	4.3	1.3
	0825	24.9	7.6
	1430	3.9	1.2
	2045	24.0	7.3
10 M	0255	4.4	1.3
	0905	25.1	7.7
	1525	3.6	1.1
	2140	24.0	7.3
11 Tu	0350	4.4	1.3
	0955	25.4	7.7
	1615	3.3	1.0
	2220	24.1	7.3
12 W	0430	4.4	1.3
	1035	25.5	7.8
	1655	3.1	0.9
	2315	24.2	7.4
13 Th	0505	4.3	1.3
	1120	25.6	7.8
	1740	3.0	0.9
	2345	24.2	7.4
14 F	0550	4.4	1.3
	1155	25.5	7.8
	1805	3.2	1.0
15 Sa	0025	24.2	7.4
	0615	4.4	1.3
	1235	25.7	7.7
	1850	3.2	1.0
16 Su	0050	24.1	7.3
	0655	4.6	1.4
	1310	25.4	7.7
	1930	3.4	1.0
17 M	0130	24.0	7.3
	0740	4.6	1.4
	1340	25.0	7.6
	1955	3.5	1.1
18 Tu	0210	24.0	7.3
	0805	4.7	1.4
	1420	24.7	7.5
	2040	3.7	1.1
19 W	0240	23.9	7.3
	0845	4.9	1.5
	1455	24.4	7.4
	2110	4.1	1.2
20 Th	0325	24.0	7.3
	0935	5.0	1.5
	1535	23.9	7.3
	2155	4.4	1.3
21 F	0410	23.9	7.3
	1025	5.2	1.6
	1620	23.3	7.1
	2245	4.9	1.5
22 Sa	0450	23.7	7.2
	1110	5.5	1.7
	1720	22.8	6.9
	2330	5.3	1.6
23 Su	0545	23.6	7.2
	1210	5.5	1.7
	1825	22.4	6.8
24 M	0030	5.6	1.7
	0645	23.9	7.3
	1320	5.2	1.6
	1920	22.4	6.8
25 Tu	0140	5.5	1.7
	0755	24.3	7.4
	1415	4.5	1.4
	2035	22.8	6.9
26 W	0250	4.9	1.5
	0900	25.0	7.6
	1520	3.5	1.1
	2140	23.7	7.2
27 Th	0350	4.1	1.2
	1000	26.0	7.9
	1615	2.3	0.7
	2240	24.6	7.5
28 F	0445	3.2	1.0
	1055	26.8	8.2
	1720	1.4	0.4
	2330	25.3	7.7
29 Sa	0535	2.4	0.7
	1145	27.4	8.4
	1810	0.8	0.2
30 Su	0015	26.0	7.9
	0635	1.9	0.6
	1245	27.6	8.4
	1905	0.4	0.1
31 M	0115	26.2	8.0
	0720	1.8	0.5
	1330	27.5	8.4
	1955	0.7	0.2

FEBRUARY

Day	Time	Height ft	Height m
1 Tu	0215	26.2	8.0
	0820	1.9	0.6
	1430	26.9	8.2
	2055	1.1	0.3
2 W	0300	25.9	7.9
	0905	2.4	0.7
	1515	26.2	8.0
	2140	2.1	0.6
3 Th	0350	25.5	7.8
	1015	3.1	0.9
	1620	25.2	7.7
	2240	3.0	0.9
4 F	0455	24.9	7.6
	1110	3.7	1.1
	1720	24.2	7.4
	2335	4.1	1.2
5 Sa	0550	24.3	7.4
	1205	4.3	1.3
	1815	23.4	7.1
6 Su	0030	4.9	1.5
	0645	24.0	7.3
	1305	4.7	1.4
	1915	23.0	7.0
7 M	0125	5.4	1.6
	0740	23.9	7.3
	1400	4.8	1.5
	2010	22.8	6.9
8 Tu	0215	5.5	1.7
	0840	24.1	7.3
	1450	4.6	1.4
	2115	23.0	7.0
9 W	0315	5.4	1.6
	0920	24.3	7.4
	1545	4.3	1.3
	2150	23.3	7.1
10 Th	0400	5.1	1.6
	1005	24.7	7.5
	1625	4.0	1.2
	2230	23.7	7.2
11 F	0445	4.8	1.5
	1045	25.1	7.7
	1700	3.5	1.1
	2315	23.9	7.3
12 Sa	0525	4.3	1.3
	1130	25.3	7.7
	1750	3.3	1.0
	2345	24.3	7.4
13 Su	0555	4.2	1.3
	1210	25.6	7.8
	1825	3.0	0.9
14 M	0025	24.4	7.4
	0635	3.9	1.2
	1235	25.5	7.8
	1850	3.0	0.9
15 Tu	0100	24.7	7.5
	0700	3.7	1.1
	1315	25.4	7.7
	1930	3.1	0.9
16 W	0140	24.9	7.6
	0745	3.7	1.1
	1345	25.1	7.7
	2010	3.1	0.9
17 Th	0205	24.9	7.6
	0815	3.7	1.1
	1425	24.8	7.6
	2045	3.7	1.1
18 F	0300	24.8	7.6
	0910	4.0	1.2
	1500	24.3	7.4
	2120	4.2	1.3
19 Sa	0335	24.5	7.5
	0945	4.4	1.3
	1555	23.5	7.2
	2210	4.9	1.5
20 Su	0430	24.0	7.3
	1050	5.0	1.5
	1645	22.7	6.9
	2300	5.5	1.7
21 M	0520	23.6	7.2
	1150	5.4	1.6
	1750	22.2	6.8
22 Tu	0005	6.1	1.9
	0620	23.5	7.2
	1250	5.4	1.6
	1905	22.0	6.7
23 W	0125	6.0	1.8
	0740	23.8	7.3
	1410	4.8	1.5
	2015	22.5	6.9
24 Th	0230	5.4	1.6
	0845	24.5	7.5
	1505	3.8	1.2
	2125	23.6	7.2
25 F	0340	4.2	1.3
	0950	25.7	7.8
	1605	2.5	0.8
	2225	24.8	7.6
26 Sa	0435	3.0	0.9
	1045	26.7	8.1
	1710	1.3	0.4
	2315	25.8	7.9
27 Su	0525	1.9	0.6
	1130	27.5	8.4
	1755	0.7	0.2
28 M	0015	26.5	8.1
	0620	1.3	0.4
	1230	27.7	8.4
	1850	0.4	0.1

MARCH

Day	Time	Height ft	Height m
1 Tu	0055	26.9	8.2
	0715	1.1	0.3
	1320	27.6	8.4
	1940	0.6	0.2
2 W	0145	26.8	8.2
	0755	1.3	0.4
	1400	27.1	8.3
	2015	1.2	0.4
3 Th	0235	26.4	8.0
	0850	1.9	0.6
	1455	26.1	8.0
	2105	2.4	0.7
4 F	0325	25.8	7.9
	0940	2.6	0.8
	1555	25.0	7.6
	2200	3.6	1.1
5 Sa	0405	24.9	7.6
	1025	3.8	1.2
	1640	23.9	7.3
	2245	4.7	1.4
6 Su	0510	24.1	7.3
	1115	4.7	1.4
	1730	23.0	7.0
	2355	5.8	1.8
7 M	0605	23.4	7.1
	1225	5.4	1.6
	1830	22.4	6.8
8 Tu	0050	6.5	2.0
	0700	23.0	7.0
	1325	5.8	1.8
	1930	22.2	6.8
9 W	0150	6.7	2.0
	0800	23.0	7.0
	1420	5.7	1.7
	2035	22.3	6.8
10 Th	0235	6.4	2.0
	0845	23.4	7.1
	1500	5.3	1.6
	2115	22.8	6.9
11 F	0330	5.9	1.8
	0940	23.9	7.3
	1555	4.8	1.5
	2215	23.3	7.1
12 Sa	0410	5.2	1.6
	1020	24.5	7.5
	1630	4.1	1.2
	2250	24.0	7.3
13 Su	0445	4.5	1.4
	1105	25.0	7.6
	1710	3.7	1.1
	2315	24.6	7.5
14 M	0530	4.0	1.2
	1130	25.4	7.7
	1755	3.2	1.0
	2355	25.0	7.6
15 Tu	0610	3.4	1.0
	1210	25.5	7.8
	1815	3.0	0.9
16 W	0030	25.3	7.7
	0635	3.1	0.9
	1250	25.5	7.8
	1900	3.0	0.9
17 Th	0105	25.6	7.8
	0720	3.0	0.9
	1315	25.4	7.7
	1930	3.1	0.9
18 F	0140	25.6	7.8
	0755	3.1	0.9
	1405	24.9	7.6
	2015	3.7	1.1
19 Sa	0225	25.4	7.7
	0840	3.5	1.1
	1445	24.3	7.4
	2100	4.4	1.3
20 Su	0310	25.0	7.6
	0925	4.1	1.2
	1535	23.5	7.2
	2200	5.1	1.6
21 M	0355	24.3	7.4
	1015	4.7	1.4
	1630	22.6	6.9
	2250	6.0	1.8
22 Tu	0455	23.6	7.2
	1120	5.4	1.6
	1740	22.1	6.7
	2350	6.5	2.0
23 W	0615	23.2	7.1
	1230	5.5	1.7
	1845	22.0	6.7
24 Th	0115	6.5	2.0
	0715	23.5	7.2
	1400	4.9	1.5
	2010	22.7	6.9
25 F	0220	5.6	1.7
	0840	24.3	7.4
	1455	4.0	1.2
	2110	23.8	7.3
26 Sa	0315	4.2	1.3
	0930	25.5	7.8
	1555	2.8	0.9
	2205	25.2	7.7
27 Su	0425	2.9	0.9
	1040	26.5	8.1
	1655	1.7	0.5
	2305	26.2	8.0
28 M	0510	1.8	0.5
	1120	27.2	8.3
	1735	1.1	0.3
	2355	27.0	8.2
29 Tu	0605	1.2	0.4
	1210	27.4	8.4
	1820	1.1	0.3
30 W	0040	27.3	8.3
	0655	0.9	0.3
	1300	27.2	8.3
	1905	1.4	0.4
31 Th	0125	27.1	8.3
	0740	1.3	0.4
	1345	26.6	8.1
	1950	2.2	0.7

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0205	26.7	8.1	16	0115	26.1	8.0
F	0820	1.8	0.5	Sa	0735	2.9	0.9
	1430	25.8	7.9		1345	24.8	7.6
	2035	3.2	1.0		1955	4.2	1.3
2	0250	25.9	7.9	17	0200	25.8	7.9
Sa	0910	2.7	0.8	Su	0820	3.3	1.0
	1515	24.8	7.6		1430	24.2	7.4
	2120	4.4	1.3		2045	4.9	1.5
3	0335	25.0	7.6	18	0245	25.1	7.7
Su	0945	3.8	1.2	M	0915	4.0	1.2
	1605	23.8	7.3		1515	23.6	7.2
	2210	5.6	1.7		2130	5.6	1.7
4	0415	24.1	7.3	19	0350	24.4	7.4
M	1040	5.0	1.5	Tu	1010	4.7	1.4
	1650	22.8	6.9		1615	22.9	7.0
	2310	6.5	2.0		2235	6.3	1.9
5	0515	23.1	7.0	20	0455	23.9	7.3
Tu	1130	5.9	1.8	W	1120	5.2	1.6
	1745	22.1	6.7		1730	22.4	6.8
					2355	6.6	2.0
6	0005	7.2	2.2	21	0600	23.5	7.2
W	0610	22.6	6.9	Th	1225	5.3	1.6
	1240	6.4	2.0		1845	22.6	6.9
	1855	21.9	6.7				
7	0100	7.5	2.3	22	0100	6.3	1.9
Th	0710	22.5	6.9	F	0710	23.7	7.2
	1335	6.5	2.0		1335	4.8	1.5
	1950	22.1	6.7		1950	23.5	7.2
8	0155	7.2	2.2	23	0200	5.3	1.6
F	0800	22.9	7.0	Sa	0815	24.6	7.5
	1425	6.1	1.9		1440	3.9	1.2
	2035	22.6	6.9		2055	24.6	7.5
9	0300	6.4	2.0	24	0305	4.1	1.2
Sa	0900	23.4	7.1	Su	0915	25.4	7.7
	1515	5.5	1.7		1535	3.0	0.9
	2120	23.4	7.1		2145	25.8	7.9
10	0330	5.6	1.7	25	0410	2.7	0.8
Su	0950	24.0	7.3	M	1020	26.2	8.0
	1555	4.8	1.5		1630	2.3	0.7
	2200	24.3	7.4		2240	26.6	8.1
11	0420	4.8	1.5	26	0455	1.9	0.6
M	1025	24.6	7.5	Tu	1100	26.8	8.2
	1635	4.1	1.2		1720	1.9	0.6
	2250	24.9	7.6		2325	27.1	8.3
12	0455	3.9	1.2	27	0545	1.4	0.4
Tu	1110	25.1	7.7	W	1150	26.8	8.2
	1715	3.7	1.1		1805	2.0	0.6
	2315	25.6	7.8				
13	0545	3.2	1.0	28	0005	27.3	8.3
W	1140	25.3	7.7	Th	0625	1.4	0.4
	1750	3.4	1.0		1230	26.6	8.1
					1850	2.5	0.8
14	0000	26.0	7.9	29	0050	27.1	8.3
Th	0610	2.9	0.9	F	0705	1.7	0.5
	1225	25.4	7.7		1325	26.0	7.9
	1835	3.5	1.1		1925	3.3	1.0
15	0030	26.3	8.0	30	0140	26.5	8.1
F	0650	2.7	0.8	Sa	0745	2.3	0.7
	1300	25.2	7.7		1405	25.3	7.7
	1910	3.7	1.1		2005	4.2	1.3

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0215	25.7	7.8	16	0150	26.1	8.0
Su	0840	3.3	1.0	M	0805	3.0	0.9
	1445	24.4	7.4		1420	24.3	7.4
	2045	5.1	1.6		2035	4.9	1.5
2	0300	24.9	7.6	17	0235	25.5	7.8
M	0920	4.3	1.3	Tu	0910	3.5	1.1
	1530	23.6	7.2		1515	23.8	7.3
	2130	6.0	1.8		2125	5.5	1.7
3	0345	24.0	7.3	18	0330	24.9	7.6
Tu	1005	5.2	1.6	W	1010	4.0	1.2
	1620	22.9	7.0		1620	23.5	7.2
	2220	6.9	2.1		2230	5.9	1.8
4	0440	23.3	7.1	19	0440	24.3	7.4
W	1050	6.0	1.8	Th	1100	4.4	1.3
	1700	22.4	6.8		1720	23.3	7.1
	2315	7.5	2.3		2330	6.0	1.8
5	0525	22.7	6.9	20	0545	24.1	7.3
Th	1150	6.5	2.0	F	1215	4.6	1.4
	1805	22.1	6.7		1840	23.7	7.2
6	0010	7.7	2.3	21	0055	5.6	1.7
F	0620	22.5	6.9	Sa	0705	24.2	7.4
	1240	6.7	2.0		1315	4.3	1.3
	1900	22.3	6.8		1940	24.3	7.4
7	0100	7.4	2.3	22	0150	4.8	1.5
Sa	0715	22.7	6.9	Su	0805	24.6	7.5
	1330	6.4	2.0		1415	3.8	1.2
	1945	22.8	6.9		2040	25.2	7.7
8	0205	6.8	2.1	23	0250	3.9	1.2
Su	0815	23.0	7.0	M	0900	25.2	7.7
	1425	5.9	1.8		1525	3.3	1.0
	2035	23.5	7.2		2140	26.1	8.0
9	0245	5.9	1.8	24	0355	2.9	0.9
M	0905	23.5	7.2	Tu	1005	25.7	7.8
	1510	5.3	1.6		1605	3.0	0.9
	2120	24.4	7.4		2215	26.7	8.1
10	0335	5.0	1.5	25	0435	2.2	0.7
Tu	0950	24.1	7.3	W	1045	26.0	7.9
	1555	4.7	1.4		1655	3.0	0.9
	2210	25.3	7.7		2300	27.0	8.2
11	0415	4.0	1.2	26	0515	1.9	0.6
W	1030	24.5	7.5	Th	1140	26.0	7.9
	1635	4.2	1.3		1740	3.2	1.0
	2250	25.8	7.9		2355	26.9	8.2
12	0510	3.2	1.0	27	0610	1.9	0.6
Th	1110	24.9	7.6	F	1220	25.6	7.8
	1730	3.9	1.2		1815	3.6	1.1
	2325	26.2	8.0				
13	0555	2.7	0.8	28	0030	26.5	8.1
F	1150	25.0	7.6	Sa	0650	2.4	0.7
	1810	3.8	1.2		1300	25.1	7.7
					1905	4.2	1.3
14	0005	26.5	8.1	29	0105	26.1	8.0
Sa	0640	2.6	0.8	Su	0725	3.1	0.9
	1235	25.0	7.6		1330	24.7	7.5
	1845	3.9	1.2		1940	5.0	1.5
15	0055	26.4	8.0	30	0155	25.5	7.8
Su	0725	2.6	0.8	M	0810	3.6	1.1
	1325	24.7	7.5		1420	24.1	7.3
	1935	4.4	1.3		2030	5.5	1.7
				31	0230	24.8	7.6
				Tu	0850	4.4	1.3
					1455	23.5	7.2
					2105	6.1	1.9

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0305	24.2	7.4	16	0330	25.6	7.8
W	0930	5.1	1.6	Th	0950	3.0	0.9
	1540	23.1	7.0		1605	24.6	7.5
	2155	6.6	2.0		2230	4.6	1.4
2	0355	23.6	7.2	17	0435	25.1	7.7
Th	1015	5.6	1.7	F	1055	3.4	1.0
	1625	22.8	6.9		1710	24.5	7.5
	2240	6.9	2.1		2320	4.8	1.5
3	0445	23.1	7.0	18	0535	24.7	7.5
F	1105	6.0	1.8	Sa	1155	3.8	1.2
	1715	22.7	6.9		1815	24.6	7.5
	2325	7.2	2.2				
4	0540	22.9	7.0	19	0030	4.6	1.4
Sa	1150	6.2	1.9	Su	0645	24.5	7.5
	1800	22.9	7.0		1300	3.9	1.2
					1920	25.0	7.6
5	0025	7.0	2.1	20	0140	4.1	1.2
Su	0630	22.6	6.9	M	0750	24.6	7.5
	1250	6.3	1.9		1400	3.9	1.2
	1900	23.1	7.0		2015	25.4	7.7
6	0115	6.6	2.0	21	0235	3.6	1.1
M	0715	22.8	6.9	Tu	0850	24.7	7.5
	1330	6.0	1.8		1450	3.8	1.2
	2000	23.8	7.3		2100	25.9	7.9
7	0200	5.9	1.8	22	0325	3.1	0.9
Tu	0815	23.0	7.0	W	0935	24.9	7.6
	1430	5.7	1.7		1550	3.7	1.1
	2035	24.4	7.4		2155	26.1	8.0
8	0300	5.1	1.6	23	0415	2.7	0.8
W	0915	23.4	7.1	Th	1025	25.0	7.6
	1520	5.2	1.6		1640	3.8	1.2
	2125	25.1	7.7		2240	26.2	8.0
9	0400	4.1	1.2	24	0500	2.6	0.8
Th	0955	24.0	7.3	F	1110	25.0	7.6
	1615	4.8	1.5		1720	4.0	1.2
	2215	25.8	7.9		2320	26.2	8.0
10	0435	3.4	1.0	25	0545	2.7	0.8
F	1050	24.4	7.4	Sa	1150	24.8	7.6
	1655	4.4	1.3		1800	4.4	1.3
	2305	26.3	8.0				
11	0525	2.8	0.9	26	0010	26.0	7.9
Sa	1140	24.8	7.6	Su	0615	3.0	0.9
	1750	4.1	1.2		1235	24.5	7.5
	2350	26.7	8.1		1830	4.7	1.4
12	0620	2.4	0.7	27	0045	25.5	7.8
Su	1220	24.9	7.6	M	0705	3.4	1.0
	1830	3.9	1.2		1305	24.2	7.4
					1915	5.1	1.6
13	0045	26.6	8.1	28	0115	25.3	7.7
M	0700	2.2	0.7	Tu	0735	3.8	1.2
	1320	24.9	7.6		1355	24.0	7.3
	1930	4.1	1.2		1950	5.3	1.6
14	0130	26.6	8.1	29	0200	24.8	7.6
Tu	0805	2.3	0.7	W	0820	4.2	1.3
	1410	24.8	7.6		1425	23.7	7.2
	2015	4.1	1.2		2035	5.7	1.7
15	0235	26.1	8.0	30	0235	24.4	7.4
W	0855	2.7	0.8	Th	0855	4.5	1.4
	1500	24.7	7.5		1510	23.6	7.2
	2125	4.4	1.3		2110	5.9	1.8

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

ST. JOHN, NEW BRUNSWICK, 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height ft	Height m
1 F	0325	24.0	7.3
	0930	4.8	1.5
	1550	23.4	7.1
	2150	6.0	1.8
2 Sa	0405	23.6	7.2
	1025	5.2	1.6
	1630	23.3	7.1
	2240	6.2	1.9
3 Su	0455	23.2	7.1
	1110	5.5	1.7
	1720	23.4	7.1
	2335	6.2	1.9
4 M	0535	22.7	6.9
	1150	5.8	1.8
	1800	23.6	7.2
5 Tu	0025	6.1	1.9
	0640	22.6	6.9
	1255	5.9	1.8
	1905	23.8	7.3
6 W	0115	5.6	1.7
	0730	22.5	6.9
	1345	5.9	1.8
	1955	24.2	7.4
7 Th	0225	5.0	1.5
	0830	22.8	6.9
	1440	5.5	1.7
	2050	24.9	7.6
8 F	0320	4.2	1.3
	0920	23.4	7.1
	1530	4.9	1.5
	2155	25.5	7.8
9 Sa	0410	3.4	1.0
	1030	23.9	7.3
	1635	4.4	1.3
	2240	26.1	8.0
10 Su	0515	2.6	0.8
	1115	24.6	7.5
	1725	3.8	1.2
	2330	26.8	8.2
11 M	0600	1.9	0.6
	1205	25.1	7.7
	1825	3.2	1.0
12 Tu	0030	26.9	8.2
	0650	1.5	0.5
	1310	25.5	7.8
	1910	3.1	0.9
13 W	0120	27.0	8.2
	0750	1.4	0.4
	1400	25.6	7.8
	2000	2.9	0.9
14 Th	0225	26.7	8.1
	0840	1.6	0.5
	1450	25.6	7.8
	2110	3.0	0.9
15 F	0320	26.2	8.0
	0930	2.0	0.6
	1545	25.5	7.8
	2205	3.4	1.0
16 Sa	0420	25.5	7.8
	1040	2.7	0.8
	1645	25.3	7.7
	2310	3.7	1.1
17 Su	0520	24.9	7.6
	1135	3.3	1.0
	1745	25.2	7.7
18 M	0015	4.0	1.2
	0615	24.4	7.4
	1240	3.9	1.2
	1845	25.0	7.6
19 Tu	0100	3.8	1.2
	0720	24.1	7.3
	1335	4.3	1.3
	1955	25.1	7.7
20 W	0200	3.7	1.1
	0815	24.0	7.3
	1430	4.5	1.4
	2045	25.1	7.7
21 Th	0305	3.5	1.1
	0920	24.0	7.3
	1515	4.5	1.4
	2140	25.3	7.7
22 F	0345	3.3	1.0
	1010	24.2	7.4
	1605	4.6	1.4
	2225	25.5	7.8
23 Sa	0430	3.2	1.0
	1045	24.1	7.3
	1650	4.6	1.4
	2305	25.4	7.7
24 Su	0525	3.2	1.0
	1135	24.1	7.3
	1740	4.6	1.4
	2345	25.3	7.7
25 M	0600	3.4	1.0
	1205	24.1	7.3
	1810	4.7	1.4
26 Tu	0025	25.3	7.7
	0645	3.4	1.0
	1245	24.0	7.3
	1855	4.7	1.4
27 W	0055	25.0	7.6
	0705	3.6	1.1
	1325	24.1	7.3
	1920	4.8	1.5
28 Th	0135	24.8	7.6
	0750	3.8	1.2
	1350	24.0	7.3
	2000	4.8	1.5
29 F	0200	24.6	7.5
	0815	3.8	1.2
	1430	24.0	7.3
	2030	4.8	1.5
30 Sa	0245	24.2	7.4
	0900	4.2	1.3
	1500	24.1	7.3
	2120	5.0	1.5
31 Su	0315	23.8	7.3
	0935	4.6	1.4
	1555	24.0	7.3
	2205	5.1	1.6

AUGUST

Day	Time (h m)	Height ft	Height m
1 M	0405	23.3	7.1
	1020	5.2	1.6
	1640	23.9	7.3
	2250	5.5	1.7
2 Tu	0500	22.7	6.9
	1115	5.7	1.7
	1720	23.7	7.2
	2355	5.5	1.7
3 W	0550	22.3	6.8
	1205	6.0	1.8
	1815	23.7	7.2
4 Th	0100	5.4	1.6
	0655	22.1	6.7
	1305	6.1	1.9
	1920	23.9	7.3
5 F	0150	5.0	1.5
	0800	22.4	6.8
	1415	5.8	1.8
	2025	24.4	7.4
6 Sa	0255	4.2	1.3
	0905	23.1	7.0
	1520	5.0	1.5
	2125	25.2	7.7
7 Su	0355	3.2	1.0
	1005	24.0	7.3
	1615	4.1	1.2
	2220	26.1	8.0
8 M	0445	2.0	0.6
	1100	24.9	7.6
	1705	3.1	0.9
	2325	27.0	8.2
9 Tu	0550	1.2	0.4
	1150	25.7	7.8
	1810	2.2	0.7
10 W	0015	27.3	8.3
	0630	0.6	0.2
	1250	26.3	8.0
	1900	1.9	0.6
11 Th	0100	27.5	8.4
	0730	0.6	0.2
	1335	26.5	8.1
	1945	1.6	0.5
12 F	0205	27.1	8.3
	0825	0.8	0.2
	1435	26.4	8.0
	2050	2.0	0.6
13 Sa	0255	26.5	8.1
	0910	1.6	0.5
	1520	26.1	8.0
	2135	2.4	0.7
14 Su	0345	25.7	7.8
	1015	2.5	0.8
	1625	25.7	7.8
	2230	3.0	0.9
15 M	0455	24.8	7.6
	1105	3.5	1.1
	1720	25.1	7.7
	2330	3.5	1.1
16 Tu	0555	24.0	7.3
	1205	4.4	1.3
	1815	24.6	7.5
17 W	0030	4.0	1.2
	0645	23.4	7.1
	1300	5.1	1.6
	1915	24.3	7.4
18 Th	0140	4.2	1.3
	0745	23.1	7.0
	1400	5.4	1.6
	2005	24.2	7.4
19 F	0235	4.3	1.3
	0850	23.1	7.0
	1450	5.3	1.6
	2110	24.4	7.4
20 Sa	0315	4.1	1.2
	0930	23.4	7.1
	1545	5.2	1.6
	2145	24.6	7.5
21 Su	0405	3.9	1.2
	1030	23.7	7.2
	1625	5.0	1.5
	2230	24.9	7.6
22 M	0450	3.6	1.1
	1105	23.8	7.3
	1700	4.6	1.4
	2315	25.0	7.6
23 Tu	0535	3.5	1.1
	1135	24.1	7.3
	1750	4.5	1.4
	2350	25.1	7.7
24 W	0615	3.5	1.1
	1215	24.2	7.4
	1825	4.2	1.3
25 Th	0025	25.0	7.6
	0640	3.4	1.0
	1255	24.5	7.5
	1850	4.1	1.2
26 F	0105	24.9	7.6
	0715	3.5	1.1
	1325	24.6	7.5
	1930	4.1	1.2
27 Sa	0130	24.7	7.5
	0800	3.5	1.1
	1355	24.6	7.5
	2015	4.1	1.2
28 Su	0205	24.3	7.4
	0820	4.0	1.2
	1435	24.5	7.5
	2055	4.2	1.3
29 M	0245	23.9	7.3
	0910	4.4	1.3
	1510	24.3	7.4
	2135	4.6	1.4
30 Tu	0340	23.2	7.1
	0945	5.2	1.6
	1555	24.0	7.3
	2225	5.0	1.5
31 W	0420	22.5	6.9
	1040	5.8	1.8
	1645	23.7	7.2
	2315	5.4	1.6

SEPTEMBER

Day	Time (h m)	Height ft	Height m
1 Th	0515	22.0	6.7
	1135	6.3	1.9
	1745	23.4	7.1
2 F	0025	5.5	1.7
	0630	21.7	6.6
	1250	6.4	2.0
	1900	23.5	7.2
3 Sa	0130	5.2	1.6
	0735	22.1	6.7
	1350	5.9	1.8
	2000	24.2	7.4
4 Su	0230	4.2	1.3
	0855	23.0	7.0
	1500	4.9	1.5
	2110	25.1	7.7
5 M	0330	3.0	0.9
	0955	24.2	7.4
	1600	3.6	1.1
	2210	26.1	8.0
6 Tu	0440	1.8	0.5
	1045	25.4	7.7
	1655	2.4	0.7
	2315	27.0	8.2
7 W	0525	0.9	0.3
	1130	26.4	8.0
	1755	1.4	0.4
8 Th	0000	27.4	8.4
	0620	0.5	0.2
	1225	26.9	8.2
	1835	1.1	0.3
9 F	0100	27.6	8.4
	0710	0.3	0.1
	1315	27.1	8.3
	1930	1.1	0.3
10 Sa	0140	27.0	8.2
	0755	1.0	0.3
	1410	27.0	8.2
	2025	1.3	0.4
11 Su	0235	26.2	8.0
	0850	2.0	0.6
	1455	26.3	8.0
	2110	2.2	0.7
12 M	0320	25.3	7.7
	0930	3.0	0.9
	1555	25.5	7.8
	2210	3.0	0.9
13 Tu	0425	24.3	7.4
	1030	4.3	1.3
	1645	24.6	7.5
	2305	4.0	1.2
14 W	0520	23.3	7.1
	1125	5.4	1.6
	1740	23.9	7.3
15 Th	0005	4.8	1.5
	0625	22.7	6.9
	1225	6.1	1.9
	1840	23.4	7.1
16 F	0105	5.2	1.6
	0725	22.4	6.8
	1325	6.4	2.0
	1940	23.3	7.1
17 Sa	0200	5.3	1.6
	0815	22.5	6.9
	1415	6.2	1.9
	2045	23.6	7.2
18 Su	0250	5.0	1.5
	0915	22.8	6.9
	1510	5.8	1.8
	2120	24.0	7.3
19 M	0335	4.6	1.4
	0945	23.4	7.1
	1555	5.2	1.6
	2200	24.4	7.4
20 Tu	0415	4.0	1.2
	1035	23.9	7.3
	1635	4.6	1.4
	2255	24.8	7.6
21 W	0500	3.8	1.2
	1100	24.4	7.4
	1715	4.2	1.3
	2320	25.0	7.6
22 Th	0540	3.5	1.1
	1140	24.7	7.5
	1755	3.7	1.1
	2355	24.9	7.6
23 F	0600	3.3	1.0
	1215	25.0	7.6
	1820	3.5	1.1
24 Sa	0030	24.8	7.6
	0640	3.5	1.1
	1250	25.1	7.7
	1900	3.4	1.0
25 Su	0110	24.7	7.5
	0715	3.8	1.2
	1325	25.2	7.7
	1930	3.5	1.1
26 M	0140	24.2	7.4
	0750	4.2	1.3
	1400	24.9	7.6
	2020	3.8	1.2
27 Tu	0215	23.7	7.2
	0830	4.7	1.4
	1440	24.5	7.5
	2105	4.3	1.3
28 W	0300	23.1	7.0
	0915	5.4	1.6
	1530	24.0	7.3
	2155	4.9	1.5
29 Th	0400	22.3	6.8
	1015	6.2	1.9
	1620	23.5	7.2
	2250	5.5	1.7
30 F	0505	21.8	6.6
	1120	6.7	2.0
	1735	23.1	7.0

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0010	5.6	1.7
	0620	21.8	6.6
	1240	6.6	2.0
	1850	23.4	7.1
2 Su	0120	5.1	1.6
	0730	22.4	6.8
	1345	5.9	1.8
	1955	24.1	7.3
3 M	0215	4.0	1.2
	0840	23.6	7.2
	1455	4.5	1.4
	2100	25.2	7.7
4 Tu	0315	2.8	0.9
	0940	24.9	7.6
	1555	3.1	0.9
	2155	26.2	8.0
5 W	0420	1.7	0.5
	1025	26.1	8.0
	1640	1.9	0.6
	2245	27.1	8.3
6 Th	0515	1.0	0.3
	1115	27.0	8.2
	1735	1.0	0.3
	2340	27.3	8.3
7 F	0555	0.7	0.2
	1210	27.6	8.4
	1825	0.6	0.2
8 Sa	0030	27.2	8.3
	0645	1.0	0.3
	1245	27.6	8.4
	1900	0.7	0.2
9 Su	0120	26.7	8.1
	0730	1.8	0.5
	1330	27.1	8.3
	1955	1.4	0.4
10 M	0210	26.0	7.9
	0815	2.8	0.9
	1420	26.2	8.0
	2045	2.4	0.7
11 Tu	0250	24.9	7.6
	0910	3.9	1.2
	1510	25.2	7.7
	2140	3.4	1.0
12 W	0350	23.8	7.3
	0955	5.2	1.6
	1610	24.3	7.4
	2225	4.6	1.4
13 Th	0435	22.9	7.0
	1045	6.3	1.9
	1700	23.3	7.1
	2315	5.4	1.6
14 F	0530	22.2	6.8
	1155	6.9	2.1
	1800	22.8	6.9
15 Sa	0015	5.9	1.8
	0630	22.0	6.7
	1255	7.1	2.2
	1900	22.6	6.9
16 Su	0125	6.1	1.9
	0740	22.2	6.8
	1350	6.9	2.1
	1955	22.9	7.0
17 M	0210	5.8	1.8
	0825	22.6	6.9
	1430	6.3	1.9
	2050	23.4	7.1
18 Tu	0305	5.3	1.6
	0910	23.3	7.1
	1515	5.5	1.7
	2135	23.9	7.3
19 W	0345	4.7	1.4
	0950	24.0	7.3
	1610	4.7	1.4
	2210	24.3	7.4
20 Th	0415	4.2	1.3
	1035	24.7	7.5
	1640	4.1	1.2
	2245	24.6	7.5
21 F	0500	3.9	1.2
	1115	25.1	7.7
	1725	3.5	1.1
	2320	24.7	7.5
22 Sa	0540	3.7	1.1
	1140	25.5	7.8
	1755	3.2	1.0
23 Su	0005	24.7	7.5
	0605	3.9	1.2
	1215	25.6	7.8
	1840	3.1	0.9
24 M	0035	24.5	7.5
	0645	4.2	1.3
	1250	25.6	7.8
	1915	3.3	1.0
25 Tu	0125	24.2	7.4
	0735	4.7	1.4
	1330	25.3	7.7
	2000	3.7	1.1
26 W	0210	23.7	7.2
	0815	5.3	1.6
	1415	24.8	7.6
	2055	4.1	1.2
27 Th	0250	23.0	7.0
	0915	5.9	1.8
	1515	24.1	7.3
	2145	4.8	1.5
28 F	0345	22.5	6.9
	1010	6.4	2.0
	1615	23.5	7.2
	2250	5.3	1.6
29 Sa	0455	22.1	6.7
	1105	6.7	2.0
	1715	23.3	7.1
	2350	5.3	1.6
30 Su	0600	22.3	6.8
	1215	6.4	2.0
	1830	23.5	7.2
31 M	0105	4.8	1.5
	0720	23.1	7.0
	1335	5.5	1.7
	1950	24.1	7.3

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0215	4.0	1.2
	0815	24.3	7.4
	1430	4.2	1.3
	2055	25.1	7.7
2 W	0310	2.9	0.9
	0925	25.5	7.8
	1540	2.9	0.9
	2145	25.9	7.9
3 Th	0400	2.1	0.6
	1005	26.6	8.1
	1620	1.8	0.5
	2230	26.6	8.1
4 F	0455	1.6	0.5
	1100	27.3	8.3
	1715	1.1	0.3
	2320	26.7	8.1
5 Sa	0540	1.5	0.5
	1145	27.5	8.4
	1800	0.9	0.3
6 Su	0005	26.5	8.1
	0625	1.9	0.6
	1225	27.3	8.3
	1850	1.2	0.4
7 M	0055	26.0	7.9
	0710	2.7	0.8
	1310	26.7	8.1
	1930	1.9	0.6
8 Tu	0140	25.2	7.7
	0755	3.6	1.1
	1355	25.9	7.9
	2015	2.8	0.9
9 W	0225	24.4	7.4
	0840	4.7	1.4
	1440	24.9	7.6
	2105	3.9	1.2
10 Th	0310	23.5	7.2
	0925	5.7	1.7
	1530	24.0	7.3
	2145	5.0	1.5
11 F	0410	22.7	6.9
	1005	6.7	2.0
	1615	23.2	7.1
	2240	5.8	1.8
12 Sa	0455	22.1	6.7
	1110	7.2	2.2
	1720	22.6	6.9
	2330	6.2	1.9
13 Su	0550	21.9	6.7
	1205	7.5	2.3
	1815	22.3	6.8
14 M	0035	6.5	2.0
	0655	22.1	6.7
	1300	7.3	2.2
	1910	22.4	6.8
15 Tu	0125	6.3	1.9
	0740	22.6	6.9
	1345	6.7	2.0
	2010	22.7	6.9
16 W	0215	5.9	1.8
	0830	23.2	7.1
	1440	5.9	1.8
	2045	23.2	7.1
17 Th	0300	5.4	1.6
	0910	24.0	7.3
	1520	5.1	1.6
	2140	23.7	7.2
18 F	0340	4.9	1.5
	0950	24.8	7.6
	1600	4.1	1.2
	2215	24.0	7.3
19 Sa	0415	4.4	1.3
	1035	25.3	7.7
	1655	3.5	1.1
	2255	24.3	7.4
20 Su	0505	4.2	1.3
	1105	25.8	7.9
	1730	3.1	0.9
	2330	24.5	7.5
21 M	0545	4.3	1.3
	1145	25.9	7.9
	1805	2.9	0.9
22 Tu	0020	24.3	7.4
	0625	4.4	1.3
	1235	25.9	7.9
	1855	2.9	0.9
23 W	0105	24.1	7.3
	0710	4.7	1.4
	1320	25.6	7.8
	1945	3.2	1.0
24 Th	0145	23.8	7.3
	0805	5.0	1.5
	1400	25.2	7.7
	2030	3.5	1.1
25 F	0245	23.3	7.1
	0855	5.5	1.7
	1510	24.7	7.5
	2135	4.1	1.2
26 Sa	0345	23.0	7.0
	0955	5.9	1.8
	1610	24.2	7.4
	2235	4.4	1.3
27 Su	0455	22.9	7.0
	1100	6.0	1.8
	1710	23.7	7.2
	2335	4.5	1.4
28 M	0555	23.2	7.1
	1205	5.7	1.7
	1820	23.7	7.2
29 Tu	0050	4.4	1.3
	0710	23.9	7.3
	1320	5.0	1.5
	1935	24.1	7.3
30 W	0155	3.8	1.2
	0800	24.9	7.6
	1430	4.0	1.2
	2040	24.8	7.6

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0250	3.2	1.0
	0900	25.8	7.9
	1520	2.8	0.9
	2125	25.3	7.7
2 F	0335	2.7	0.8
	0945	26.6	8.1
	1600	1.8	0.5
	2225	25.8	7.9
3 Sa	0430	2.5	0.8
	1030	27.1	8.3
	1655	1.5	0.5
	2315	25.9	7.9
4 Su	0515	2.6	0.8
	1115	27.2	8.3
	1740	1.4	0.4
	2345	25.8	7.9
5 M	0600	3.0	0.9
	1210	27.0	8.2
	1820	1.7	0.5
6 Tu	0040	25.4	7.7
	0640	3.6	1.1
	1255	26.4	8.0
	1900	2.2	0.7
7 W	0120	24.7	7.5
	0720	4.3	1.3
	1330	25.6	7.8
	1945	3.2	1.0
8 Th	0200	24.0	7.3
	0810	5.0	1.5
	1410	24.9	7.6
	2035	4.0	1.2
9 F	0240	23.4	7.1
	0855	5.7	1.7
	1455	24.1	7.3
	2115	4.8	1.5
10 Sa	0325	22.9	7.0
	0940	6.4	2.0
	1540	23.4	7.1
	2205	5.4	1.6
11 Su	0410	22.5	6.9
	1015	6.9	2.1
	1635	22.8	6.9
	2300	5.9	1.8
12 M	0505	22.3	6.8
	1110	7.2	2.2
	1715	22.4	6.8
	2335	6.3	1.9
13 Tu	0550	22.3	6.8
	1200	7.1	2.2
	1820	22.1	6.7
14 W	0035	6.4	2.0
	0650	22.6	6.9
	1305	6.8	2.1
	1905	22.1	6.7
15 Th	0120	6.2	1.9
	0730	23.2	7.1
	1350	6.2	1.9
	2005	22.4	6.8
16 F	0210	6.0	1.8
	0825	23.8	7.3
	1450	5.4	1.6
	2050	22.8	6.9
17 Sa	0305	5.5	1.7
	0910	24.5	7.5
	1540	4.5	1.4
	2140	23.2	7.1
18 Su	0400	5.0	1.5
	1000	25.2	7.7
	1625	3.6	1.1
	2225	23.7	7.2
19 M	0430	4.6	1.4
	1045	25.7	7.8
	1715	3.1	0.9
	2315	24.1	7.3
20 Tu	0515	4.2	1.3
	1135	26.1	8.0
	1750	2.5	0.8
21 W	0005	24.4	7.4
	0605	4.0	1.2
	1220	26.4	8.0
	1845	2.3	0.7
22 Th	0045	24.6	7.5
	0700	4.0	1.2
	1300	26.4	8.0
	1940	2.2	0.7
23 F	0140	24.5	7.5
	0750	4.0	1.2
	1400	26.1	8.0
	2020	2.4	0.7
24 Sa	0245	24.4	7.4
	0850	4.2	1.3
	1455	25.6	7.8
	2125	2.7	0.8
25 Su	0335	24.3	7.4
	0950	4.5	1.4
	1555	25.0	7.6
	2220	3.2	1.0
26 M	0440	24.2	7.4
	1050	4.7	1.4
	1700	24.4	7.4
	2325	3.5	1.1
27 Tu	0530	24.3	7.4
	1145	4.6	1.4
	1810	24.2	7.4
28 W	0015	3.8	1.2
	0640	24.5	7.5
	1300	4.4	1.3
	1910	24.0	7.3
29 Th	0120	3.9	1.2
	0740	25.0	7.6
	1405	3.8	1.2
	2015	24.2	7.4
30 F	0220	3.7	1.1
	0835	25.6	7.8
	1500	3.1	0.9
	2110	24.5	7.5
31 Sa	0325	3.5	1.1
	0935	26.1	8.0
	1545	2.4	0.7
	2210	24.9	7.6

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Sa	0553	-1.5	-0.5
	1157	21.3	6.5
	1827	-3.1	-0.9
2 Su	0030	19.7	6.0
	0647	-1.5	-0.5
	1251	21.0	6.4
	1920	-2.8	-0.9
3 M	0125	19.5	5.9
	0741	-1.2	-0.4
	1345	20.3	6.2
	2013	-2.2	-0.7
4 Tu	0219	19.1	5.8
	0837	-0.8	-0.2
	1441	19.4	5.9
	2107	-1.4	-0.4
5 W	0315	18.7	5.7
	0935	-0.2	-0.1
	1540	18.5	5.6
	2203	-0.6	-0.2
6 Th	0414	18.2	5.5
	1034	0.3	0.1
	1641	17.6	5.4
	2300	0.2	0.1
7 F	0513	17.9	5.5
	1135	0.6	0.2
	1742	16.9	5.2
	2359	0.8	0.2
8 Sa	0610	17.6	5.4
	1235	0.8	0.2
	1842	16.5	5.0
9 Su	0056	1.2	0.4
	0708	17.6	5.4
	1333	0.7	0.2
	1940	16.4	5.0
10 M	0152	1.4	0.4
	0801	17.6	5.4
	1426	0.6	0.2
	2033	16.4	5.0
11 Tu	0242	1.5	0.5
	0849	17.7	5.4
	1515	0.4	0.1
	2120	16.5	5.0
12 W	0331	1.4	0.4
	0933	17.9	5.5
	1601	0.2	0.1
	2203	16.6	5.1
13 Th	0414	1.3	0.4
	1015	18.0	5.5
	1643	0.0	0.0
	2243	16.7	5.1
14 F	0456	1.2	0.4
	1055	18.1	5.5
	1722	0.0	0.0
	2322	16.9	5.2
15 Sa	0535	1.2	0.4
	1133	18.1	5.5
	1801	0.0	0.0
	2359	17.0	5.2
16 Su	0614	1.2	0.4
	1212	18.1	5.5
	1839	0.1	0.0
17 M	0038	17.0	5.2
	0652	1.2	0.4
	1249	18.0	5.5
	1917	0.2	0.1
18 Tu	0115	17.1	5.2
	0731	1.3	0.4
	1329	17.8	5.4
	1955	0.5	0.2
19 W	0155	17.1	5.2
	0813	1.4	0.4
	1411	17.5	5.3
	2035	0.7	0.2
20 Th	0237	17.1	5.2
	0858	1.5	0.5
	1457	17.1	5.2
	2120	1.0	0.3
21 F	0325	17.1	5.2
	0945	1.6	0.5
	1545	16.8	5.1
	2207	1.3	0.4
22 Sa	0413	17.2	5.2
	1039	1.5	0.5
	1640	16.5	5.0
	2300	1.5	0.5
23 Su	0508	17.4	5.3
	1136	1.2	0.4
	1739	16.5	5.0
	2358	1.5	0.5
24 M	0607	17.8	5.4
	1235	0.7	0.2
	1840	16.7	5.1
25 Tu	0057	1.3	0.4
	0706	18.4	5.6
	1336	0.0	0.0
	1943	17.2	5.2
26 W	0158	0.7	0.2
	0805	19.2	5.9
	1436	-0.9	-0.3
	2041	18.0	5.5
27 Th	0255	-0.1	0.0
	0903	20.1	6.1
	1534	-1.9	-0.6
	2137	18.8	5.7
28 F	0353	-0.9	-0.3
	0958	20.9	6.4
	1627	-2.7	-0.8
	2232	19.5	5.9
29 Sa	0446	-1.6	-0.5
	1052	21.4	6.5
	1720	-3.2	-1.0
	2324	20.1	6.1
30 Su	0539	-2.1	-0.6
	1144	21.5	6.6
	1811	-3.4	-1.0
31 M	0015	20.3	6.2
	0630	-2.2	-0.7
	1235	21.3	6.5
	1900	-3.1	-0.9

FEBRUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0105	20.2	6.2
	0723	-2.0	-0.6
	1326	20.6	6.3
	1950	-2.4	-0.7
2 W	0155	19.8	6.0
	0814	-1.4	-0.4
	1419	19.6	6.0
	2040	-1.5	-0.5
3 Th	0248	19.1	5.8
	0907	-0.7	-0.2
	1512	18.4	5.6
	2133	-0.4	-0.1
4 F	0340	18.4	5.6
	1002	0.2	0.1
	1607	17.3	5.3
	2226	0.7	0.2
5 Sa	0435	17.6	5.4
	1100	0.9	0.3
	1708	16.3	5.0
	2322	1.6	0.5
6 Su	0534	17.0	5.2
	1159	1.4	0.4
	1808	15.7	4.8
7 M	0022	2.2	0.7
	0635	16.7	5.1
	1259	1.6	0.5
	1908	15.5	4.7
8 Tu	0119	2.4	0.7
	0730	16.7	5.1
	1357	1.4	0.4
	2004	15.6	4.8
9 W	0215	2.3	0.7
	0822	16.9	5.2
	1449	1.1	0.3
	2054	15.9	4.8
10 Th	0304	1.9	0.6
	0910	17.3	5.3
	1536	0.7	0.2
	2139	16.3	5.0
11 F	0350	1.5	0.5
	0953	17.7	5.4
	1618	0.3	0.1
	2220	16.8	5.1
12 Sa	0432	1.1	0.3
	1032	18.1	5.5
	1658	0.0	0.0
	2257	17.2	5.2
13 Su	0512	0.8	0.2
	1111	18.4	5.6
	1736	-0.2	-0.1
	2334	17.5	5.3
14 M	0548	0.5	0.2
	1147	18.5	5.6
	1812	-0.3	-0.1
15 Tu	0009	17.8	5.4
	0625	0.4	0.1
	1224	18.5	5.6
	1847	-0.2	-0.1
16 W	0046	18.0	5.5
	0704	0.4	0.1
	1302	18.3	5.6
	1923	0.0	0.0
17 Th	0123	18.0	5.5
	0742	0.4	0.1
	1342	18.0	5.5
	2003	0.3	0.1
18 F	0204	18.0	5.5
	0824	0.6	0.2
	1424	17.6	5.4
	2045	0.7	0.2
19 Sa	0248	17.9	5.5
	0912	0.8	0.2
	1514	17.1	5.2
	2133	1.2	0.4
20 Su	0338	17.7	5.4
	1005	1.0	0.3
	1609	16.7	5.1
	2227	1.6	0.5
21 M	0434	17.6	5.4
	1105	1.0	0.3
	1710	16.4	5.0
	2328	1.8	0.5
22 Tu	0537	17.7	5.4
	1210	0.8	0.2
	1816	16.4	5.0
23 W	0033	1.6	0.5
	0642	18.1	5.5
	1315	0.2	0.1
	1922	17.0	5.2
24 Th	0138	1.0	0.3
	0748	18.9	5.8
	1418	-0.7	-0.2
	2025	17.8	5.4
25 F	0241	0.0	0.0
	0847	19.8	6.0
	1516	-1.7	-0.5
	2122	18.8	5.7
26 Sa	0339	-1.0	-0.3
	0945	20.6	6.3
	1611	-2.6	-0.8
	2216	19.8	6.0
27 Su	0432	-1.9	-0.6
	1037	21.2	6.5
	1702	-3.1	-0.9
	2307	20.4	6.2
28 M	0523	-2.5	-0.8
	1128	21.3	6.5
	1751	-3.2	-1.0
	2355	20.7	6.3

MARCH

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0613	-2.6	-0.8
	1217	21.0	6.4
	1837	-2.9	-0.9
2 W	0041	20.5	6.2
	0700	-2.4	-0.7
	1305	20.3	6.2
	1924	-2.1	-0.6
3 Th	0128	20.0	6.1
	0750	-1.7	-0.5
	1352	19.3	5.9
	2011	-1.0	-0.3
4 F	0216	19.2	5.9
	0837	-0.8	-0.2
	1442	18.0	5.5
	2101	0.2	0.1
5 Sa	0305	18.2	5.5
	0929	0.3	0.1
	1533	16.8	5.1
	2152	1.4	0.4
6 Su	0359	17.2	5.2
	1024	1.2	0.4
	1629	15.8	4.8
	2247	2.3	0.7
7 M	0455	16.4	5.0
	1124	1.9	0.6
	1729	15.1	4.6
	2346	2.9	0.9
8 Tu	0555	16.0	4.9
	1224	2.2	0.7
	1832	14.9	4.5
9 W	0046	3.0	0.9
	0655	16.1	4.9
	1324	2.0	0.6
	1931	15.2	4.6
10 Th	0143	2.7	0.8
	0751	16.4	5.0
	1417	1.6	0.5
	2023	15.7	4.8
11 F	0234	2.1	0.6
	0841	17.0	5.2
	1505	1.0	0.3
	2109	16.4	5.0
12 Sa	0321	1.4	0.4
	0924	17.6	5.4
	1547	0.4	0.1
	2150	17.0	5.2
13 Su	0404	0.8	0.2
	1006	18.1	5.5
	1627	0.0	0.0
	2227	17.7	5.4
14 M	0443	0.3	0.1
	1043	18.5	5.6
	1705	-0.4	-0.1
	2304	18.2	5.5
15 Tu	0521	-0.1	0.0
	1121	18.7	5.7
	1740	-0.5	-0.2
	2340	18.6	5.7
16 W	0559	-0.4	-0.1
	1158	18.8	5.7
	1817	-0.5	-0.2
17 Th	0016	18.8	5.7
	0636	-0.5	-0.2
	1235	18.7	5.7
	1854	-0.3	-0.1
18 F	0053	18.9	5.8
	0716	-0.5	-0.2
	1316	18.4	5.6
	1933	0.1	0.0
19 Sa	0135	18.8	5.7
	0758	-0.3	-0.1
	1358	17.9	5.5
	2016	0.6	0.2
20 Su	0221	18.5	5.6
	0847	0.1	0.0
	1450	17.3	5.3
	2107	1.1	0.3
21 M	0312	18.1	5.5
	0941	0.5	0.2
	1546	16.7	5.1
	2205	1.6	0.5
22 Tu	0412	17.7	5.4
	1044	0.8	0.2
	1650	16.4	5.0
	2309	1.9	0.6
23 W	0517	17.6	5.4
	1150	0.7	0.2
	1759	16.5	5.0
24 Th	0017	1.6	0.5
	0626	17.9	5.5
	1258	0.2	0.1
	1908	17.1	5.2
25 F	0124	0.9	0.3
	0732	18.6	5.7
	1401	-0.6	-0.2
	2009	18.0	5.5
26 Sa	0225	-0.1	0.0
	0833	19.4	5.9
	1500	-1.5	-0.5
	2105	19.1	5.8
27 Su	0323	-1.2	-0.4
	0929	20.2	6.2
	1553	-2.2	-0.7
	2158	20.0	6.1
28 M	0415	-2.1	-0.6
	1021	20.6	6.3
	1641	-2.6	-0.8
	2246	20.5	6.2
29 Tu	0505	-2.6	-0.8
	1108	20.7	6.3
	1728	-2.5	-0.8
	2331	20.6	6.3
30 W	0552	-2.6	-0.8
	1154	20.3	6.2
	1812	-2.1	-0.6
31 Th	0016	20.4	6.2
	0636	-2.2	-0.7
	1240	19.6	6.0
	1857	-1.2	-0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time (h m)	Height ft	Height m
1 F	0059	19.7	6.0
	0722	-1.5	-0.5
	1326	18.6	5.7
	1942	-0.2	-0.1
2 Sa	0145	18.8	5.7
	0810	-0.5	-0.2
	1411	17.5	5.3
	2029	0.9	0.3
3 Su	0230	17.8	5.4
	0859	0.5	0.2
	1501	16.4	5.0
	2117	1.9	0.6
4 M	0320	16.9	5.2
	0950	1.4	0.4
	1554	15.5	4.7
	2212	2.7	0.8
5 Tu	0417	16.1	4.9
	1045	2.1	0.6
	1653	15.0	4.6
	2308	3.2	1.0
6 W	0515	15.7	4.8
	1145	2.4	0.7
	1753	14.9	4.5
7 Th	0008	3.2	1.0
	0616	15.8	4.8
	1242	2.2	0.7
	1850	15.2	4.6
8 F	0106	2.8	0.9
	0711	16.2	4.9
	1338	1.8	0.5
	1943	15.8	4.8
9 Sa	0159	2.1	0.6
	0804	16.8	5.1
	1426	1.2	0.4
	2030	16.6	5.1
10 Su	0247	1.3	0.4
	0849	17.4	5.3
	1510	0.6	0.2
	2113	17.4	5.3
11 M	0331	0.5	0.2
	0931	18.0	5.5
	1552	0.1	0.0
	2153	18.2	5.5
12 Tu	0411	-0.2	-0.1
	1011	18.5	5.6
	1631	-0.3	-0.1
	2230	18.8	5.7
13 W	0451	-0.7	-0.2
	1051	18.8	5.7
	1708	-0.5	-0.2
	2308	19.2	5.9
14 Th	0530	-1.1	-0.3
	1130	18.9	5.8
	1747	-0.5	-0.2
	2347	19.5	5.9
15 F	0610	-1.2	-0.4
	1210	18.8	5.7
	1827	-0.4	-0.1
16 Sa	0027	19.6	6.0
	0652	-1.2	-0.4
	1252	18.6	5.7
	1910	0.0	0.0
17 Su	0110	19.4	5.9
	0737	-0.9	-0.3
	1339	18.1	5.5
	1957	0.5	0.2
18 M	0200	19.0	5.8
	0830	-0.5	-0.2
	1433	17.5	5.3
	2051	1.0	0.3
19 Tu	0253	18.4	5.6
	0927	0.0	0.0
	1533	17.0	5.2
	2149	1.5	0.5
20 W	0357	18.0	5.5
	1029	0.3	0.1
	1637	16.7	5.1
	2255	1.6	0.5
21 Th	0504	17.7	5.4
	1135	0.4	0.1
	1746	16.9	5.2
22 F	0003	1.3	0.4
	0613	17.9	5.5
	1240	0.0	0.0
	1851	17.5	5.3
23 Sa	0109	0.6	0.2
	0716	18.4	5.6
	1343	-0.6	-0.2
	1951	18.4	5.6
24 Su	0210	-0.4	-0.1
	0817	19.0	5.8
	1438	-1.1	-0.3
	2046	19.2	5.9
25 M	0305	-1.2	-0.4
	0910	19.5	5.9
	1531	-1.6	-0.5
	2137	19.9	6.1
26 Tu	0357	-1.9	-0.6
	1001	19.7	6.0
	1619	-1.7	-0.5
	2224	20.2	6.2
27 W	0444	-2.2	-0.7
	1049	19.6	6.0
	1704	-1.4	-0.4
	2308	20.1	6.1
28 Th	0529	-2.1	-0.6
	1133	19.2	5.9
	1747	-0.9	-0.3
	2350	19.8	6.0
29 F	0615	-1.6	-0.5
	1215	18.5	5.6
	1831	-0.2	-0.1
30 Sa	0032	19.1	5.8
	0657	-1.0	-0.3
	1300	17.8	5.4
	1915	0.6	0.2

MAY

Day	Time (h m)	Height ft	Height m
1 Su	0115	18.3	5.6
	0742	-0.2	-0.1
	1343	16.9	5.2
	1958	1.5	0.5
2 M	0158	17.5	5.3
	0829	0.7	0.2
	1430	16.2	4.9
	2047	2.2	0.7
3 Tu	0247	16.8	5.1
	0917	1.4	0.4
	1520	15.5	4.7
	2138	2.8	0.9
4 W	0338	16.2	4.9
	1010	1.9	0.6
	1615	15.2	4.6
	2231	3.1	0.9
5 Th	0434	15.8	4.8
	1105	2.2	0.7
	1711	15.2	4.6
	2329	3.1	0.9
6 F	0532	15.8	4.8
	1200	2.1	0.6
	1806	15.5	4.7
7 Sa	0025	2.7	0.8
	0629	16.1	4.9
	1253	1.8	0.5
	1858	16.1	4.9
8 Su	0117	2.0	0.6
	0721	16.6	5.1
	1343	1.3	0.4
	1948	16.9	5.2
9 M	0207	1.2	0.4
	0809	17.2	5.2
	1428	0.8	0.2
	2031	17.8	5.4
10 Tu	0254	0.4	0.1
	0854	17.7	5.4
	1513	0.3	0.1
	2114	18.5	5.6
11 W	0337	-0.4	-0.1
	0938	18.2	5.5
	1555	-0.1	0.0
	2156	19.2	5.9
12 Th	0419	-1.0	-0.3
	1020	18.6	5.7
	1636	-0.4	-0.1
	2236	19.7	6.0
13 F	0503	-1.5	-0.5
	1104	18.9	5.8
	1720	-0.5	-0.2
	2321	20.1	6.1
14 Sa	0546	-1.8	-0.5
	1149	18.9	5.8
	1803	-0.4	-0.1
15 Su	0004	20.1	6.1
	0633	-1.8	-0.5
	1235	18.7	5.7
	1851	-0.2	-0.1
16 M	0052	19.9	6.1
	0723	-1.5	-0.5
	1326	18.3	5.6
	1942	0.2	0.1
17 Tu	0145	19.5	5.9
	0816	-1.1	-0.3
	1422	17.9	5.5
	2037	0.6	0.2
18 W	0242	18.9	5.8
	0914	-0.7	-0.2
	1520	17.5	5.3
	2138	0.9	0.3
19 Th	0344	18.4	5.6
	1015	-0.3	-0.1
	1625	17.4	5.3
	2242	1.0	0.3
20 F	0449	18.0	5.5
	1118	-0.1	0.0
	1729	17.6	5.4
	2348	0.7	0.2
21 Sa	0555	17.9	5.5
	1221	-0.2	-0.1
	1831	18.0	5.5
22 Su	0051	0.2	0.1
	0659	18.1	5.5
	1319	-0.4	-0.1
	1930	18.6	5.7
23 M	0151	-0.4	-0.1
	0759	18.3	5.6
	1415	-0.5	-0.2
	2025	19.1	5.8
24 Tu	0246	-1.0	-0.3
	0853	18.5	5.6
	1508	-0.6	-0.2
	2113	19.4	5.9
25 W	0337	-1.3	-0.4
	0941	18.5	5.6
	1555	-0.5	-0.2
	2159	19.5	5.9
26 Th	0426	-1.4	-0.4
	1027	18.3	5.6
	1641	-0.2	-0.1
	2243	19.3	5.9
27 F	0509	-1.3	-0.4
	1112	18.0	5.5
	1725	0.2	0.1
	2325	19.0	5.8
28 Sa	0552	-0.9	-0.3
	1155	17.6	5.4
	1807	0.7	0.2
29 Su	0007	18.5	5.6
	0635	-0.4	-0.1
	1236	17.1	5.2
	1849	1.3	0.4
30 M	0048	18.0	5.5
	0718	0.1	0.0
	1318	16.6	5.1
	1931	1.8	0.5
31 Tu	0131	17.4	5.3
	0800	0.7	0.2
	1401	16.2	4.9
	2016	2.2	0.7

JUNE

Day	Time (h m)	Height ft	Height m
1 W	0216	16.9	5.2
	0845	1.2	0.4
	1448	15.8	4.8
	2104	2.6	0.8
2 Th	0304	16.5	5.0
	0933	1.6	0.5
	1538	15.7	4.8
	2154	2.7	0.8
3 F	0356	16.2	4.9
	1023	1.8	0.5
	1629	15.7	4.8
	2247	2.7	0.8
4 Sa	0449	16.1	4.9
	1115	1.8	0.5
	1722	16.0	4.9
	2342	2.4	0.7
5 Su	0543	16.1	4.9
	1205	1.7	0.5
	1813	16.5	5.0
6 M	0034	1.9	0.6
	0635	16.4	5.0
	1256	1.4	0.4
	1903	17.2	5.2
7 Tu	0124	1.2	0.4
	0727	16.9	5.2
	1346	1.1	0.3
	1951	18.0	5.5
8 W	0215	0.4	0.1
	0817	17.4	5.3
	1433	0.6	0.2
	2038	18.7	5.7
9 Th	0303	-0.5	-0.2
	0906	17.9	5.5
	1520	0.2	0.1
	2124	19.5	5.9
10 F	0350	-1.2	-0.4
	0953	18.4	5.6
	1607	-0.2	-0.1
	2210	20.1	6.1
11 Sa	0438	-1.8	-0.5
	1040	18.8	5.7
	1654	-0.5	-0.2
	2257	20.5	6.2
12 Su	0527	-2.2	-0.7
	1129	19.0	5.8
	1744	-0.7	-0.2
	2347	20.6	6.3
13 M	0617	-2.3	-0.7
	1220	19.0	5.8
	1835	-0.7	-0.2
14 Tu	0038	20.5	6.2
	0709	-2.2	-0.7
	1312	18.9	5.8
	1929	-0.5	-0.2
15 W	0131	20.1	6.1
	0803	-1.9	-0.6
	1408	18.6	5.7
	2024	-0.2	-0.1
16 Th	0230	19.5	5.9
	0859	-1.4	-0.4
	1507	18.4	5.6
	2124	0.0	0.0
17 F	0330	18.8	5.7
	0956	-0.9	-0.3
	1607	18.2	5.5
	2226	0.2	0.1
18 Sa	0431	18.2	5.5
	1055	-0.4	-0.1
	1707	18.2	5.5
	2328	0.3	0.1
19 Su	0535	17.8	5.4
	1156	-0.1	0.0
	1808	18.3	5.6
20 M	0030	0.1	0.0
	0637	17.6	5.4
	1255	0.2	0.1
	1906	18.4	5.6
21 Tu	0129	-0.1	0.0
	0736	17.5	5.3
	1351	0.3	0.1
	2001	18.6	5.7
22 W	0225	-0.3	-0.1
	0832	17.4	5.3
	1443	0.4	0.1
	2051	18.7	5.7
23 Th	0316	-0.5	-0.2
	0923	17.4	5.3
	1532	0.6	0.2
	2139	18.7	5.7
24 F	0404	-0.6	-0.2
	1008	17.3	5.3
	1619	0.8	0.2
	2222	18.5	5.6
25 Sa	0448	-0.5	-0.2
	1051	17.1	5.2
	1702	1.0	0.3
	2302	18.4	5.6
26 Su	0530	-0.3	-0.1
	1130	17.0	5.2
	1744	1.2	0.4
	2343	18.2	5.5
27 M	0611	-0.1	0.0
	1211	16.8	5.1
	1825	1.4	0.4
28 Tu	0024	17.9	5.5
	0652	0.2	0.1
	1252	16.6	5.1
	1906	1.6	0.5
29 W	0104	17.6	5.4
	0733	0.5	0.2
	1333	16.5	5.0
	1947	1.8	0.5
30 Th	0145	17.3	5.3
	0814	0.8	0.2
	1415	16.4	5.0
	2032	2.0	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)	Day	Time (h m)	Height (ft)	Height (m)
1	0230	17.0	5.2	16	0309	19.1	5.8
F	0858	1.1	0.3	Sa	0933	-1.2	-0.4
	1459	16.3	5.0		1542	18.8	5.7
	2117	2.1	0.6		2203	-0.3	-0.1
2	0317	16.6	5.1	17	0410	18.2	5.5
Sa	0944	1.4	0.4	Su	1030	-0.4	-0.1
	1546	16.4	5.0		1641	18.4	5.6
	2205	2.2	0.7		2303	0.1	0.0
3	0405	16.4	5.0	18	0510	17.4	5.3
Su	1031	1.6	0.5	M	1127	0.4	0.1
	1636	16.6	5.1		1740	18.1	5.5
	2259	2.0	0.6				
4	0458	16.3	5.0	19	0004	0.4	0.1
M	1119	1.7	0.5	Tu	0612	16.9	5.2
	1726	16.9	5.2		1227	0.9	0.3
	2351	1.7	0.5		1839	17.9	5.5
5	0554	16.3	5.0	20	0104	0.5	0.2
Tu	1213	1.6	0.5	W	0714	16.6	5.1
	1818	17.4	5.3		1324	1.3	0.4
					1936	17.8	5.4
6	0045	1.2	0.4	21	0201	0.4	0.1
W	0647	16.6	5.1	Th	0809	16.5	5.0
	1303	1.4	0.4		1420	1.4	0.4
	1911	18.0	5.5		2028	17.8	5.4
7	0138	0.4	0.1	22	0255	0.3	0.1
Th	0743	17.0	5.2	F	0900	16.5	5.0
	1359	0.9	0.3		1511	1.4	0.4
	2004	18.7	5.7		2117	17.9	5.5
8	0233	-0.4	-0.1	23	0342	0.2	0.1
F	0836	17.6	5.4	Sa	0947	16.6	5.1
	1451	0.4	0.1		1558	1.3	0.4
	2056	19.5	5.9		2200	18.0	5.5
9	0327	-1.2	-0.4	24	0428	0.0	0.0
Sa	0929	18.3	5.6	Su	1030	16.7	5.1
	1543	-0.2	-0.1		1640	1.2	0.4
	2147	20.3	6.2		2242	18.1	5.5
10	0418	-2.0	-0.6	25	0509	0.0	0.0
Su	1021	18.8	5.7	M	1109	16.9	5.2
	1636	-0.8	-0.2		1722	1.1	0.3
	2240	20.8	6.3		2321	18.1	5.5
11	0509	-2.5	-0.8	26	0548	0.0	0.0
M	1113	19.3	5.9	Tu	1146	17.0	5.2
	1728	-1.2	-0.4		1800	1.1	0.3
	2332	21.1	6.4		2359	18.1	5.5
12	0600	-2.8	-0.9	27	0626	0.1	0.0
Tu	1204	19.6	6.0	W	1225	17.0	5.2
	1820	-1.4	-0.4		1840	1.1	0.3
13	0024	21.0	6.4	28	0038	18.0	5.5
W	0652	-2.8	-0.9	Th	0703	0.2	0.1
	1257	19.7	6.0		1302	17.1	5.2
	1913	-1.4	-0.4		1918	1.2	0.4
14	0118	20.7	6.3	29	0115	17.7	5.4
Th	0745	-2.5	-0.8	F	0742	0.5	0.2
	1350	19.5	5.9		1342	17.1	5.2
	2008	-1.2	-0.4		1958	1.3	0.4
15	0213	20.0	6.1	30	0157	17.4	5.3
F	0838	-1.9	-0.6	Sa	0821	0.8	0.2
	1445	19.2	5.9		1422	17.1	5.2
	2104	-0.8	-0.2		2042	1.5	0.5
				31	0240	17.1	5.2
				Su	0903	1.1	0.3
					1505	17.0	5.2
					2125	1.6	0.5

AUGUST

Day	Time (h m)	Height (ft)	Height (m)	Day	Time (h m)	Height (ft)	Height (m)
1	0325	16.7	5.1	16	0442	16.8	5.1
M	0948	1.5	0.5	Tu	1057	1.2	0.4
	1552	17.0	5.2		1709	17.5	5.3
	2217	1.6	0.5		2335	0.9	0.3
2	0419	16.4	5.0	17	0544	16.1	4.9
Tu	1038	1.7	0.5	W	1158	1.8	0.5
	1644	17.1	5.2		1810	17.1	5.2
	2310	1.5	0.5				
3	0513	16.2	4.9	18	0037	1.2	0.4
W	1133	1.8	0.5	Th	0647	15.8	4.8
	1740	17.4	5.3		1258	2.1	0.6
					1909	16.9	5.2
4	0008	1.2	0.4	19	0135	1.2	0.4
Th	0613	16.3	5.0	F	0746	15.8	4.8
	1229	1.7	0.5		1356	2.1	0.6
	1839	17.9	5.5		2003	17.1	5.2
5	0108	0.6	0.2	20	0230	1.0	0.3
F	0714	16.8	5.1	Sa	0838	16.0	4.9
	1330	1.2	0.4		1449	1.8	0.5
	1938	18.6	5.7		2054	17.4	5.3
6	0207	-0.3	-0.1	21	0319	0.6	0.2
Sa	0812	17.4	5.3	Su	0923	16.4	5.0
	1428	0.5	0.2		1534	1.4	0.4
	2034	19.5	5.9		2139	17.7	5.4
7	0305	-1.2	-0.4	22	0403	0.3	0.1
Su	0908	18.3	5.6	M	1006	16.8	5.1
	1524	-0.4	-0.1		1616	1.0	0.3
	2130	20.4	6.2		2219	18.1	5.5
8	0358	-2.1	-0.6	23	0443	0.0	0.0
M	1003	19.2	5.9	Tu	1042	17.2	5.2
	1619	-1.3	-0.4		1656	0.7	0.2
	2224	21.1	6.4		2256	18.3	5.6
9	0451	-2.9	-0.9	24	0520	-0.2	-0.1
Tu	1055	19.9	6.1	W	1119	17.5	5.3
	1711	-1.9	-0.6		1734	0.5	0.2
	2316	21.5	6.6		2333	18.4	5.6
10	0542	-3.2	-1.0	25	0556	-0.2	-0.1
W	1147	20.3	6.2	Th	1154	17.7	5.4
	1803	-2.3	-0.7		1812	0.4	0.1
11	0007	21.4	6.5	26	0009	18.3	5.6
Th	0633	-3.2	-1.0	F	0632	0.0	0.0
	1237	20.5	6.2		1230	17.8	5.4
	1856	-2.3	-0.7		1849	0.4	0.1
12	0059	21.0	6.4	27	0046	18.1	5.5
F	0723	-2.8	-0.9	Sa	0708	0.2	0.1
	1329	20.3	6.2		1306	17.9	5.5
	1947	-2.0	-0.6		1927	0.6	0.2
13	0152	20.1	6.1	28	0123	17.8	5.4
Sa	0814	-2.0	-0.6	Su	0745	0.6	0.2
	1420	19.7	6.0		1345	17.8	5.4
	2040	-1.3	-0.4		2008	0.8	0.2
14	0245	19.0	5.8	29	0206	17.4	5.3
Su	0906	-0.9	-0.3	M	0826	1.0	0.3
	1514	19.0	5.8		1427	17.6	5.4
	2136	-0.5	-0.2		2051	1.0	0.3
15	0343	17.9	5.5	30	0251	16.9	5.2
M	1001	0.2	0.1	Tu	0909	1.5	0.5
	1610	18.2	5.5		1515	17.4	5.3
	2234	0.3	0.1		2141	1.2	0.4
				31	0345	16.4	5.0
				W	1002	1.9	0.6
					1609	17.3	5.3
					2237	1.3	0.4

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)	Day	Time (h m)	Height (ft)	Height (m)
1	0442	16.1	4.9	16	0005	1.8	0.5
Th	1100	2.1	0.6	F	0616	15.2	4.6
	1708	17.3	5.3		1228	2.7	0.8
	2341	1.2	0.4		1837	16.3	5.0
2	0546	16.2	4.9	17	0105	1.7	0.5
F	1204	1.9	0.6	Sa	0716	15.4	4.7
	1813	17.7	5.4		1327	2.5	0.8
					1935	16.6	5.1
3	0045	0.6	0.2	18	0201	1.4	0.4
Sa	0651	16.6	5.1	Su	0809	15.9	4.8
	1308	1.3	0.4		1419	1.9	0.6
	1916	18.4	5.6		2025	17.1	5.2
4	0148	-0.2	-0.1	19	0249	0.9	0.3
Su	0753	17.5	5.3	M	0854	16.5	5.0
	1409	0.4	0.1		1505	1.3	0.4
	2017	19.4	5.9		2110	17.6	5.4
5	0246	-1.3	-0.4	20	0332	0.4	0.1
M	0852	18.6	5.7	Tu	0934	17.2	5.2
	1508	-0.8	-0.2		1547	0.7	0.2
	2114	20.4	6.2		2150	18.1	5.5
6	0341	-2.3	-0.7	21	0411	0.0	0.0
Tu	0945	19.7	6.0	W	1011	17.7	5.4
	1603	-1.8	-0.5		1627	0.2	0.1
	2208	21.1	6.4		2227	18.4	5.6
7	0433	-3.0	-0.9	22	0448	-0.2	-0.1
W	1037	20.5	6.2	Th	1048	18.1	5.5
	1654	-2.6	-0.8		1706	-0.1	0.0
	2259	21.5	6.6		2304	18.5	5.6
8	0522	-3.3	-1.0	23	0525	-0.3	-0.1
Th	1126	20.9	6.4	F	1123	18.4	5.6
	1744	-2.9	-0.9		1742	-0.3	-0.1
	2349	21.3	6.5		2340	18.5	5.6
9	0611	-3.1	-0.9	24	0559	-0.2	-0.1
F	1214	21.0	6.4	Sa	1158	18.6	5.7
	1835	-2.8	-0.9		1820	-0.3	-0.1
10	0038	20.7	6.3	25	0017	18.3	5.6
Sa	0659	-2.5	-0.8	Su	0636	0.1	0.0
	1302	20.5	6.2		1234	18.6	5.7
	1923	-2.3	-0.7		1857	-0.2	-0.1
11	0128	19.8	6.0	26	0057	18.0	5.5
Su	0747	-1.5	-0.5	M	0713	0.5	0.2
	1352	19.7	6.0		1313	18.4	5.6
	2014	-1.4	-0.4		1938	0.1	0.0
12	0218	18.6	5.7	27	0138	17.6	5.4
M	0837	-0.3	-0.1	Tu	0754	1.0	0.3
	1443	18.7	5.7		1355	18.1	5.5
	2109	-0.3	-0.1		2022	0.4	0.1
13	0314	17.3	5.3	28	0224	17.0	5.2
Tu	0930	0.9	0.3	W	0843	1.5	0.5
	1536	17.7	5.4		1443	17.8	5.4
	2205	0.7	0.2		2115	0.8	0.2
14	0412	16.2	4.9	29	0317	16.5	5.0
W	1027	1.9	0.6	Th	0935	2.0	0.6
	1636	16.8	5.1		1541	17.4	5.3
	2304	1.4	0.4		2213	1.1	0.3
15	0514	15.5	4.7	30	0420	16.2	4.9
Th	1128	2.6	0.8	F	1039	2.2	0.7
	1737	16.3	5.0		1646	17.3	5.3
					2319	1.0	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0527	16.2	4.9
	1145	1.9	0.6
	1754	17.6	5.4
2 Su	0026	0.5	0.2
	0634	16.8	5.1
	1251	1.2	0.4
	1859	18.3	5.6
3 M	0128	-0.3	-0.1
	0736	17.9	5.5
	1354	0.1	0.0
	2001	19.2	5.9
4 Tu	0226	-1.3	-0.4
	0833	19.0	5.8
	1452	-1.1	-0.3
	2058	20.1	6.1
5 W	0321	-2.1	-0.6
	0926	20.1	6.1
	1545	-2.2	-0.7
	2150	20.7	6.3
6 Th	0411	-2.7	-0.8
	1016	20.8	6.3
	1636	-2.8	-0.9
	2240	20.9	6.4
7 F	0459	-2.8	-0.9
	1104	21.1	6.4
	1725	-3.1	-0.9
	2329	20.7	6.3
8 Sa	0547	-2.4	-0.7
	1150	20.9	6.4
	1813	-2.8	-0.9
9 Su	0016	20.0	6.1
	0633	-1.7	-0.5
	1236	20.3	6.2
	1900	-2.1	-0.6
10 M	0104	19.0	5.8
	0720	-0.6	-0.2
	1321	19.4	5.9
	1948	-1.1	-0.3
11 Tu	0152	17.9	5.5
	0807	0.5	0.2
	1411	18.3	5.6
	2039	0.0	0.0
12 W	0243	16.8	5.1
	0858	1.6	0.5
	1502	17.2	5.2
	2133	1.0	0.3
13 Th	0338	15.8	4.8
	0953	2.5	0.8
	1600	16.4	5.0
	2229	1.8	0.5
14 F	0439	15.2	4.6
	1054	3.0	0.9
	1700	15.9	4.8
	2330	2.1	0.6
15 Sa	0540	15.1	4.6
	1154	3.0	0.9
	1802	15.9	4.8
16 Su	0029	2.0	0.6
	0639	15.4	4.7
	1253	2.7	0.8
	1858	16.2	4.9
17 M	0122	1.6	0.5
	0730	16.0	4.9
	1345	2.0	0.6
	1949	16.7	5.1
18 Tu	0212	1.1	0.3
	0817	16.7	5.1
	1431	1.2	0.4
	2036	17.3	5.3
19 W	0254	0.6	0.2
	0857	17.5	5.3
	1516	0.5	0.2
	2116	17.9	5.5
20 Th	0335	0.2	0.1
	0937	18.1	5.5
	1555	-0.1	0.0
	2155	18.2	5.5
21 F	0414	-0.1	0.0
	1013	18.7	5.7
	1635	-0.5	-0.2
	2234	18.5	5.6
22 Sa	0451	-0.2	-0.1
	1050	19.0	5.8
	1713	-0.8	-0.2
	2313	18.5	5.6
23 Su	0528	-0.1	0.0
	1127	19.2	5.9
	1750	-0.9	-0.3
	2350	18.4	5.6
24 M	0606	0.1	0.0
	1205	19.2	5.9
	1832	-0.8	-0.2
25 Tu	0032	18.1	5.5
	0646	0.4	0.1
	1246	19.0	5.8
	1914	-0.5	-0.2
26 W	0115	17.7	5.4
	0728	0.9	0.3
	1332	18.7	5.7
	2003	-0.2	-0.1
27 Th	0205	17.2	5.2
	0821	1.3	0.4
	1424	18.2	5.5
	2056	0.2	0.1
28 F	0301	16.8	5.1
	0919	1.7	0.5
	1524	17.8	5.4
	2157	0.5	0.2
29 Sa	0404	16.5	5.0
	1023	1.8	0.5
	1629	17.5	5.3
	2301	0.6	0.2
30 Su	0511	16.7	5.1
	1130	1.5	0.5
	1737	17.7	5.4
31 M	0005	0.2	0.1
	0617	17.4	5.3
	1234	0.8	0.2
	1843	18.2	5.5

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0108	-0.4	-0.1
	0719	18.3	5.6
	1338	-0.2	-0.1
	1944	18.9	5.8
2 W	0207	-1.1	-0.3
	0815	19.3	5.9
	1434	-1.3	-0.4
	2041	19.5	5.9
3 Th	0300	-1.6	-0.5
	0907	20.1	6.1
	1529	-2.1	-0.6
	2132	19.9	6.1
4 F	0350	-1.9	-0.6
	0955	20.6	6.3
	1617	-2.6	-0.8
	2222	19.9	6.1
5 Sa	0437	-1.8	-0.5
	1042	20.7	6.3
	1705	-2.6	-0.8
	2309	19.6	6.0
6 Su	0523	-1.4	-0.4
	1126	20.4	6.2
	1751	-2.3	-0.7
	2355	19.0	5.8
7 M	0609	-0.7	-0.2
	1209	19.7	6.0
	1837	-1.6	-0.5
8 Tu	0041	18.2	5.5
	0654	0.2	0.1
	1256	18.9	5.8
	1923	-0.7	-0.2
9 W	0126	17.3	5.3
	0742	1.1	0.3
	1342	18.0	5.5
	2011	0.2	0.1
10 Th	0214	16.4	5.0
	0830	2.0	0.6
	1430	17.1	5.2
	2101	1.1	0.3
11 F	0305	15.7	4.8
	0922	2.6	0.8
	1522	16.3	5.0
	2154	1.7	0.5
12 Sa	0400	15.3	4.7
	1018	3.0	0.9
	1620	15.9	4.8
	2250	2.0	0.6
13 Su	0456	15.2	4.6
	1114	3.0	0.9
	1719	15.8	4.8
	2344	2.1	0.6
14 M	0552	15.5	4.7
	1210	2.7	0.8
	1814	16.0	4.9
15 Tu	0037	1.8	0.5
	0645	16.1	4.9
	1303	2.1	0.6
	1906	16.4	5.0
16 W	0127	1.4	0.4
	0732	16.8	5.1
	1353	1.3	0.4
	1954	16.9	5.2
17 Th	0212	1.0	0.3
	0817	17.6	5.4
	1438	0.6	0.2
	2039	17.4	5.3
18 F	0257	0.6	0.2
	0857	18.3	5.6
	1521	-0.1	0.0
	2121	17.9	5.5
19 Sa	0339	0.2	0.1
	0939	18.9	5.8
	1603	-0.7	-0.2
	2203	18.2	5.5
20 Su	0418	0.0	0.0
	1019	19.4	5.9
	1644	-1.1	-0.3
	2246	18.4	5.6
21 M	0500	-0.1	0.0
	1059	19.6	6.0
	1726	-1.3	-0.4
	2327	18.5	5.6
22 Tu	0542	0.0	0.0
	1142	19.7	6.0
	1811	-1.4	-0.4
23 W	0011	18.4	5.6
	0625	0.1	0.0
	1227	19.6	6.0
	1857	-1.2	-0.4
24 Th	0059	18.1	5.5
	0713	0.4	0.1
	1316	19.3	5.9
	1947	-0.9	-0.3
25 F	0150	17.8	5.4
	0807	0.7	0.2
	1411	18.9	5.8
	2042	-0.6	-0.2
26 Sa	0248	17.5	5.3
	0904	1.0	0.3
	1509	18.4	5.6
	2141	-0.2	-0.1
27 Su	0349	17.3	5.3
	1007	1.1	0.3
	1613	18.0	5.5
	2242	0.0	0.0
28 M	0452	17.5	5.3
	1113	0.9	0.3
	1719	17.8	5.4
	2345	-0.1	0.0
29 Tu	0557	17.9	5.5
	1217	0.4	0.1
	1824	18.0	5.5
30 W	0046	-0.2	-0.1
	0657	18.6	5.7
	1319	-0.3	-0.1
	1926	18.2	5.5

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0143	-0.5	-0.2
	0753	19.2	5.9
	1417	-1.0	-0.3
	2023	18.5	5.6
2 F	0238	-0.7	-0.2
	0846	19.7	6.0
	1510	-1.5	-0.5
	2116	18.7	5.7
3 Sa	0329	-0.8	-0.2
	0935	19.9	6.1
	1601	-1.8	-0.5
	2203	18.7	5.7
4 Su	0417	-0.6	-0.2
	1021	19.9	6.1
	1648	-1.8	-0.5
	2251	18.4	5.6
5 M	0503	-0.3	-0.1
	1105	19.6	6.0
	1733	-1.5	-0.5
	2335	18.0	5.5
6 Tu	0548	0.2	0.1
	1148	19.1	5.8
	1817	-1.0	-0.3
7 W	0017	17.5	5.3
	0631	0.8	0.2
	1231	18.5	5.6
	1900	-0.4	-0.1
8 Th	0102	17.0	5.2
	0716	1.3	0.4
	1315	17.9	5.5
	1945	0.3	0.1
9 F	0145	16.5	5.0
	0802	1.9	0.6
	1400	17.2	5.2
	2030	0.9	0.3
10 Sa	0231	16.1	4.9
	0848	2.3	0.7
	1448	16.7	5.1
	2117	1.4	0.4
11 Su	0320	15.8	4.8
	0938	2.6	0.8
	1538	16.2	4.9
	2205	1.7	0.5
12 M	0412	15.8	4.8
	1030	2.7	0.8
	1631	16.0	4.9
	2257	1.9	0.6
13 Tu	0504	15.9	4.8
	1123	2.5	0.8
	1726	15.9	4.8
	2348	1.9	0.6
14 W	0555	16.3	5.0
	1218	2.1	0.6
	1819	16.1	4.9
15 Th	0039	1.8	0.5
	0646	16.8	5.1
	1309	1.5	0.5
	1911	16.4	5.0
16 F	0128	1.5	0.5
	0733	17.5	5.3
	1359	0.8	0.2
	2001	16.8	5.1
17 Sa	0215	1.1	0.3
	0820	18.2	5.5
	1446	0.1	0.0
	2047	17.3	5.3
18 Su	0302	0.7	0.2
	0905	18.9	5.8
	1533	-0.6	-0.2
	2134	17.8	5.4
19 M	0349	0.3	0.1
	0951	19.5	5.9
	1619	-1.2	-0.4
	2220	18.3	5.6
20 Tu	0435	-0.1	0.0
	1037	20.0	6.1
	1706	-1.7	-0.5
	2307	18.6	5.7
21 W	0523	-0.4	-0.1
	1123	20.3	6.2
	1753	-2.0	-0.6
	2356	18.8	5.7
22 Th	0610	-0.5	-0.2
	1212	20.4	6.2
	1842	-2.1	-0.6
23 F	0044	18.8	5.7
	0700	-0.5	-0.2
	1302	20.2	6.2
	1933	-1.9	-0.6
24 Sa	0137	18.7	5.7
	0754	-0.3	-0.1
	1357	19.7	6.0
	2027	-1.5	-0.5
25 Su	0232	18.6	5.7
	0851	-0.1	0.0
	1455	19.1	5.8
	2122	-1.0	-0.3
26 M	0330	18.4	5.6
	0950	0.1	0.0
	1554	18.4	5.6
	2220	-0.5	-0.2
27 Tu	0431	18.3	5.6
	1052	0.2	0.1
	1659	17.9	5.5
	2321	-0.1	0.0
28 W	0532	18.3	5.6
	1155	0.2	0.1
	1802	17.5	5.3
29 Th	0021	0.2	0.1
	0633	18.4	5.6
	1258	0.0	0.0
	1905	17.4	5.3
30 F	0119	0.4	0.1
	0732	18.6	5.7
	1357	-0.3	-0.1
	2004	17.4	5.3
31 Sa	0218	0.4	0.1
	0826	18.8	5.7
	1452	-0.6	-0.2
	2100	17.5	5.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0549	-0.7	-0.2	16 Su	0022	8.2	2.5
	1204	11.3	3.4		0613	0.7	0.2
	1833	-2.1	-0.6		1224	9.3	2.8
					1847	-0.2	-0.1
2 Su	0047	9.6	2.9	17 M	0055	8.2	2.5
	0643	-0.6	-0.2		0649	0.8	0.2
	1258	11.0	3.4		1259	9.1	2.8
	1927	-1.8	-0.5		1920	-0.1	0.0
3 M	0143	9.5	2.9	18 Tu	0129	8.2	2.5
	0743	-0.4	-0.1		0727	0.8	0.2
	1356	10.5	3.2		1334	8.9	2.7
	2022	-1.4	-0.4		1956	0.1	0.0
4 Tu	0240	9.4	2.9	19 W	0206	8.3	2.5
	0843	-0.1	0.0		0808	0.8	0.2
	1457	9.9	3.0		1415	8.7	2.7
	2118	-0.9	-0.3		2033	0.2	0.1
5 W	0339	9.3	2.8	20 Th	0243	8.3	2.5
	0947	0.1	0.0		0853	0.7	0.2
	1559	9.3	2.8		1457	8.4	2.6
	2218	-0.4	-0.1		2115	0.3	0.1
6 Th	0441	9.1	2.8	21 F	0329	8.5	2.6
	1053	0.3	0.1		0943	0.6	0.2
	1707	8.7	2.7		1547	8.2	2.5
	2318	0.0	0.0		2201	0.4	0.1
7 F	0544	9.1	2.8	22 Sa	0416	8.6	2.6
	1200	0.3	0.1		1036	0.5	0.2
	1813	8.3	2.5		1643	8.0	2.4
					2252	0.5	0.2
8 Sa	0018	0.3	0.1	23 Su	0510	8.8	2.7
	0642	9.1	2.8		1134	0.2	0.1
	1304	0.2	0.1		1743	7.9	2.4
	1917	8.1	2.5		2348	0.5	0.2
9 Su	0117	0.5	0.2	24 M	0607	9.2	2.8
	0741	9.1	2.8		1237	-0.2	-0.1
	1400	0.0	0.0		1848	8.0	2.4
	2015	8.0	2.4				
10 M	0210	0.6	0.2	25 Tu	0048	0.4	0.1
	0831	9.2	2.8		0707	9.6	2.9
	1455	-0.2	-0.1		1339	-0.6	-0.2
	2108	8.0	2.4		1951	8.2	2.5
11 Tu	0300	0.6	0.2	26 W	0148	0.1	0.0
	0917	9.3	2.8		0807	10.1	3.1
	1541	-0.3	-0.1		1439	-1.1	-0.3
	2154	8.1	2.5		2052	8.6	2.6
12 W	0345	0.7	0.2	27 Th	0248	-0.2	-0.1
	0959	9.3	2.8		0906	10.6	3.2
	1623	-0.4	-0.1		1537	-1.6	-0.5
	2236	8.1	2.5		2149	9.1	2.8
13 Th	0423	0.7	0.2	28 F	0346	-0.5	-0.2
	1038	9.4	2.9		1004	11.1	3.4
	1702	-0.4	-0.1		1633	-1.9	-0.6
	2314	8.1	2.5		2245	9.5	2.9
14 F	0502	0.7	0.2	29 Sa	0442	-0.8	-0.2
	1116	9.4	2.9		1058	11.3	3.4
	1737	-0.3	-0.1		1726	-2.1	-0.6
	2349	8.2	2.5		2338	9.8	3.0
15 Sa	0537	0.7	0.2	30 Su	0537	-1.0	-0.3
	1149	9.4	2.9		1153	11.3	3.4
	1813	-0.3	-0.1		1818	-2.1	-0.6
				31 M	0030	9.9	3.0
					0632	-1.0	-0.3
					1246	11.0	3.4
					1908	-1.9	-0.6

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0124	9.9	3.0	16 W	0056	8.7	2.7
	0727	-0.9	-0.3		0700	0.1	0.0
	1339	10.4	3.2		1308	9.1	2.8
	2001	-1.5	-0.5		1922	-0.3	-0.1
2 W	0216	9.8	3.0	17 Th	0132	8.8	2.7
	0822	-0.6	-0.2		0740	0.0	0.0
	1434	9.7	3.0		1345	8.8	2.7
	2051	-0.9	-0.3		1959	-0.2	-0.1
3 Th	0310	9.5	2.9	18 F	0209	8.9	2.7
	0920	-0.3	-0.1		0822	0.0	0.0
	1533	9.0	2.7		1428	8.6	2.6
	2146	-0.3	-0.1		2041	0.0	0.0
4 F	0406	9.1	2.8	19 Sa	0254	9.0	2.7
	1021	0.0	0.0		0910	-0.1	0.0
	1635	8.3	2.5		1518	8.3	2.5
	2243	0.2	0.1		2127	0.2	0.1
5 Sa	0506	8.8	2.7	20 Su	0342	9.0	2.7
	1126	0.3	0.1		1005	0.0	0.0
	1739	7.8	2.4		1613	8.0	2.4
	2342	0.7	0.2		2217	0.5	0.2
6 Su	0606	8.6	2.6	21 M	0436	9.1	2.8
	1230	0.4	0.1		1106	0.0	0.0
	1848	7.5	2.3		1715	7.9	2.4
					2319	0.6	0.2
7 M	0044	1.0	0.3	22 Tu	0539	9.3	2.8
	0707	8.6	2.6		1213	-0.2	-0.1
	1331	0.4	0.1		1824	7.9	2.4
	1949	7.5	2.3				
8 Tu	0140	1.1	0.3	23 W	0024	0.6	0.2
	0802	8.7	2.7		0646	9.6	2.9
	1427	0.3	0.1		1320	-0.4	-0.1
	2042	7.6	2.3		1933	8.2	2.5
9 W	0231	1.1	0.3	24 Th	0131	0.4	0.1
	0854	8.8	2.7		0752	10.0	3.0
	1516	0.2	0.1		1423	-0.8	-0.2
	2131	7.8	2.4		2039	8.7	2.7
10 Th	0321	1.0	0.3	25 F	0236	0.0	0.0
	0937	9.0	2.7		0855	10.5	3.2
	1559	0.0	0.0		1524	-1.3	-0.4
	2212	8.0	2.4		2137	9.2	2.8
11 F	0401	0.8	0.2	26 Sa	0335	-0.5	-0.2
	1017	9.2	2.8		0953	10.9	3.3
	1638	-0.1	0.0		1619	-1.6	-0.5
	2249	8.2	2.5		2233	9.7	3.0
12 Sa	0439	0.7	0.2	27 Su	0433	-0.9	-0.3
	1054	9.3	2.8		1049	11.1	3.4
	1713	-0.2	-0.1		1709	-1.9	-0.6
	2321	8.3	2.5		2322	10.1	3.1
13 Su	0515	0.5	0.2	28 M	0526	-1.2	-0.4
	1127	9.4	2.9		1141	11.0	3.4
	1745	-0.2	-0.1		1758	-1.9	-0.6
	2353	8.5	2.6				
14 M	0550	0.4	0.1				
	1159	9.3	2.8				
	1818	-0.3	-0.1				
15 Tu	0024	8.6	2.6				
	0625	0.2	0.1				
	1233	9.2	2.8				
	1850	-0.3	-0.1				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0011	10.3	3.1	16 W	0558	-0.3	-0.1
	0618	-1.3	-0.4		1206	9.3	2.8
	1231	10.7	3.3		1816	-0.4	-0.1
	1846	-1.6	-0.5				
2 W	0100	10.2	3.1	17 Th	0025	9.3	2.8
	0708	-1.3	-0.4		0635	-0.5	-0.2
	1321	10.1	3.1		1243	9.1	2.8
	1932	-1.2	-0.4		1852	-0.4	-0.1
3 Th	0148	9.9	3.0	18 F	0101	9.4	2.9
	0800	-1.0	-0.3		0715	-0.7	-0.2
	1412	9.4	2.9		1323	9.0	2.7
	2020	-0.7	-0.2		1929	-0.2	-0.1
4 F	0236	9.5	2.9	19 Sa	0140	9.5	2.9
	0851	-0.6	-0.2		0758	-0.7	-0.2
	1505	8.7	2.7		1408	8.7	2.7
	2109	0.0	0.0		2012	0.0	0.0
5 Sa	0328	9.1	2.8	20 Su	0225	9.5	2.9
	0949	-0.1	0.0		0849	-0.5	-0.2
	1600	8.0	2.4		1457	8.4	2.6
	2203	0.6	0.2		2102	0.3	0.1
6 Su	0423	8.6	2.6	21 M	0315	9.4	2.9
	1047	0.4	0.1		0944	-0.3	-0.1
	1703	7.5	2.3		1555	8.1	2.5
	2300	1.2	0.4		2158	0.6	0.2
7 M	0523	8.3	2.5	22 Tu	0415	9.3	2.8
	1150	0.7	0.2		1047	-0.1	0.0
	1808	7.3	2.2		1700	8.0	2.4
					2302	0.9	0.3
8 Tu	0003	1.5	0.5	23 W	0521	9.4	2.9
	0624	8.2	2.5		1155	-0.1	0.0
	1252	0.9	0.3		1812	8.1	2.5
	1910	7.3	2.2				
9 W	0104	1.6	0.5	24 Th	0012	0.9	0.3
	0727	8.3	2.5		0631	9.5	2.9
	1352	0.8	0.2		1305	-0.2	-0.1
	2007	7.4	2.3		1922	8.5	2.6
10 Th	0200	1.5	0.5	25 F	0122	0.6	0.2
	0819	8.5	2.6		0741	9.8	3.0
	1443	0.7	0.2		1410	-0.5	-0.2
	2057	7.7	2.3		2026	9.0	2.7
11 F	0250	1.3	0.4	26 Sa	0227	0.1	0.0
	0906	8.8	2.7		0844	10.2	3.1
	1527	0.5	0.2		1508	-0.9	-0.3
	2138	8.0	2.4		2124	9.6	2.9
12 Sa	0332	1.0	0.3	27 Su	0327	-0.5	-0.2
	0947	9.1	2.8		0943	10.5	3.2
	1606	0.3	0.1		1601	-1.2	-0.4
	2215	8.3	2.5		2215	10.0	3.0
13 Su	0412	0.6	0.2	28 M	0422	-1.0	-0.3
	1025	9.2	2.8		1036	10.6	3.2
	1639	0.1	0.0		1651	-1.4	-0.4
	2248	8.6	2.6		2303	10.3	3.1
14 M	0448	0.3	0.1	29 Tu	0512	-1.3	-0.4
	1058	9.3	2.8		1125	10.5	3.2
	1711	-0.1	0.0		1737	-1.4	-0.4
	2320	8.9	2.7		2349	10.4	3.2
15 Tu	0522	0.0	0.0	30 W	0601	-1.4	-0.4
	1132	9.3	2.8		1214	10.1	3.1
	1743	-0.3	-0.1		1821	-1.1	-0.3
	2349	9.1	2.8				
				31 Th	0034	10.3	3.1
					0649	-1.3	-0.4
					1301	9.6	2.9
					1905	-0.7	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0116	9.9	3.0	16 Sa	0032	10.0	3.0
	0735	-1.0	-0.3		0655	-1.2	-0.4
	1348	9.1	2.8		1304	9.0	2.7
	1949	-0.2	-0.1		1905	-0.2	-0.1
2 Sa	0202	9.5	2.9	17 Su	0116	10.0	3.0
	0824	-0.6	-0.2		0742	-1.1	-0.3
	1435	8.5	2.6		1353	8.9	2.7
	2035	0.4	0.1		1952	0.1	0.0
3 Su	0249	9.0	2.7	18 M	0204	10.0	3.0
	0912	0.0	0.0		0833	-0.8	-0.2
	1528	7.9	2.4		1446	8.6	2.6
	2126	1.0	0.3		2045	0.5	0.2
4 M	0340	8.6	2.6	19 Tu	0259	9.8	3.0
	1007	0.5	0.2		0931	-0.5	-0.2
	1624	7.5	2.3		1544	8.4	2.6
	2221	1.5	0.5		2145	0.8	0.2
5 Tu	0439	8.2	2.5	20 W	0400	9.6	2.9
	1108	0.9	0.3		1035	-0.2	-0.1
	1726	7.3	2.2		1652	8.4	2.6
	2320	1.8	0.5		2253	1.0	0.3
6 W	0540	8.1	2.5	21 Th	0510	9.5	2.9
	1208	1.2	0.4		1142	-0.1	0.0
	1829	7.3	2.2		1803	8.5	2.6
7 Th	0022	1.9	0.6	22 F	0006	0.9	0.3
	0640	8.1	2.5		0622	9.5	2.9
	1307	1.2	0.4		1250	-0.1	0.0
	1925	7.5	2.3		1912	8.9	2.7
8 F	0120	1.8	0.5	23 Sa	0115	0.6	0.2
	0736	8.3	2.5		0731	9.6	2.9
	1359	1.1	0.3		1354	-0.3	-0.1
	2013	7.8	2.4		2013	9.4	2.9
9 Sa	0210	1.5	0.5	24 Su	0219	0.1	0.0
	0826	8.6	2.6		0834	9.8	3.0
	1442	0.9	0.3		1450	-0.5	-0.2
	2055	8.2	2.5		2107	9.9	3.0
10 Su	0256	1.0	0.3	25 M	0316	-0.5	-0.2
	0911	8.8	2.7		0930	9.9	3.0
	1521	0.6	0.2		1541	-0.7	-0.2
	2132	8.6	2.6		2156	10.2	3.1
11 M	0337	0.5	0.2	26 Tu	0409	-0.9	-0.3
	0948	9.0	2.7		1022	9.9	3.0
	1557	0.3	0.1		1628	-0.8	-0.2
	2206	9.0	2.7		2242	10.4	3.2
12 Tu	0415	0.0	0.0	27 W	0459	-1.2	-0.4
	1025	9.1	2.8		1110	9.8	3.0
	1633	0.0	0.0		1713	-0.7	-0.2
	2241	9.3	2.8		2327	10.3	3.1
13 W	0452	-0.4	-0.1	28 Th	0542	-1.3	-0.4
	1102	9.2	2.8		1156	9.5	2.9
	1706	-0.2	-0.1		1756	-0.4	-0.1
	2315	9.6	2.9				
14 Th	0532	-0.8	-0.2	29 F	0008	10.1	3.1
	1141	9.2	2.8		0628	-1.2	-0.4
	1744	-0.3	-0.1		1242	9.1	2.8
	2351	9.9	3.0		1837	-0.1	0.0
15 F	0610	-1.1	-0.3	30 Sa	0050	9.8	3.0
	1219	9.2	2.8		0710	-0.8	-0.2
	1823	-0.3	-0.1		1324	8.7	2.7
					1919	0.4	0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0132	9.4	2.9	16 M	0058	10.5	3.2
	0756	-0.4	-0.1		0727	-1.3	-0.4
	1409	8.3	2.5		1340	9.1	2.8
	2004	0.9	0.3		1939	0.2	0.1
2 M	0217	9.0	2.7	17 Tu	0150	10.4	3.2
	0841	0.1	0.0		0822	-1.1	-0.3
	1457	7.9	2.4		1437	8.9	2.7
	2051	1.3	0.4		2035	0.5	0.2
3 Tu	0305	8.7	2.7	18 W	0249	10.1	3.1
	0931	0.6	0.2		0921	-0.7	-0.2
	1547	7.7	2.3		1538	8.8	2.7
	2142	1.7	0.5		2139	0.7	0.2
4 W	0355	8.4	2.6	19 Th	0352	9.8	3.0
	1024	1.0	0.3		1024	-0.4	-0.1
	1641	7.5	2.3		1645	8.9	2.7
	2237	2.0	0.6		2246	0.8	0.2
5 Th	0451	8.2	2.5	20 F	0501	9.5	2.9
	1119	1.2	0.4		1128	-0.2	-0.1
	1738	7.6	2.3		1751	9.0	2.7
	2334	2.0	0.6		2357	0.7	0.2
6 F	0549	8.1	2.5	21 Sa	0611	9.4	2.9
	1211	1.3	0.4		1232	-0.1	0.0
	1832	7.8	2.4		1854	9.3	2.8
7 Sa	0032	1.8	0.5	22 Su	0106	0.4	0.1
	0644	8.2	2.5		0719	9.3	2.8
	1301	1.2	0.4		1333	-0.1	0.0
	1920	8.1	2.5		1954	9.7	3.0
8 Su	0123	1.5	0.5	23 M	0207	0.0	0.0
	0736	8.3	2.5		0821	9.3	2.8
	1349	1.0	0.3		1427	-0.2	-0.1
	2002	8.4	2.6		2047	10.0	3.0
9 M	0212	1.0	0.3	24 Tu	0303	-0.5	-0.2
	0821	8.5	2.6		0916	9.3	2.8
	1431	0.7	0.2		1519	-0.2	-0.1
	2044	8.9	2.7		2135	10.1	3.1
10 Tu	0255	0.4	0.1	25 W	0353	-0.8	-0.2
	0907	8.7	2.7		1007	9.2	2.8
	1511	0.4	0.1		1606	-0.1	0.0
	2121	9.3	2.8		2221	10.1	3.1
11 W	0339	-0.2	-0.1	26 Th	0441	-1.0	-0.3
	0948	8.9	2.7		1054	9.0	2.7
	1551	0.1	0.0		1649	0.0	0.0
	2202	9.7	3.0		2303	10.1	3.1
12 Th	0421	-0.7	-0.2	27 F	0526	-1.0	-0.3
	1030	9.0	2.7		1139	8.9	2.7
	1630	-0.1	0.0		1731	0.2	0.1
	2240	10.1	3.1		2345	9.9	3.0
13 F	0503	-1.2	-0.4	28 Sa	0608	-0.8	-0.2
	1114	9.1	2.8		1222	8.6	2.6
	1713	-0.2	-0.1		1812	0.5	0.2
	2325	10.4	3.2				
14 Sa	0549	-1.4	-0.4	29 Su	0026	9.6	2.9
	1159	9.2	2.8		0649	-0.5	-0.2
	1758	-0.2	-0.1		1303	8.4	2.6
					1854	0.8	0.2
15 Su	0009	10.5	3.2	30 M	0105	9.4	2.9
	0636	-1.5	-0.5		0731	-0.2	-0.1
	1247	9.2	2.8		1345	8.2	2.5
	1846	-0.1	0.0		1935	1.1	0.3
				31 Tu	0145	9.1	2.8
					0812	0.2	0.1
					1427	8.0	2.4
					2020	1.4	0.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0230	8.9	2.7	16 Th	0239	10.3	3.1
	0857	0.6	0.2		0907	-0.9	-0.3
	1513	7.9	2.4		1526	9.3	2.8
	2106	1.7	0.5		2128	0.4	0.1
2 Th	0317	8.6	2.6	17 F	0342	9.9	3.0
	0942	0.9	0.3		1008	-0.6	-0.2
	1558	7.8	2.4		1630	9.3	2.8
	2155	1.8	0.5		2235	0.4	0.1
3 F	0405	8.4	2.6	18 Sa	0449	9.5	2.9
	1030	1.1	0.3		1109	-0.3	-0.1
	1647	7.9	2.4		1733	9.4	2.9
	2248	1.8	0.5		2343	0.4	0.1
4 Sa	0457	8.2	2.5	19 Su	0556	9.1	2.8
	1118	1.1	0.3		1210	-0.1	0.0
	1734	8.1	2.5		1835	9.5	2.9
	2342	1.6	0.5				
5 Su	0551	8.1	2.5	20 M	0051	0.2	0.1
	1204	1.1	0.3		0701	8.8	2.7
	1823	8.3	2.5		1309	0.1	0.0
					1933	9.7	3.0
6 M	0037	1.2	0.4	21 Tu	0152	-0.1	0.0
	0641	8.1	2.5		0803	8.7	2.7
	1252	1.0	0.3		1405	0.2	0.1
	1909	8.7	2.7		2024	9.8	3.0
7 Tu	0125	0.7	0.2	22 W	0247	-0.3	-0.1
	0733	8.2	2.5		0900	8.6	2.6
	1338	0.7	0.2		1456	0.3	0.1
	1955	9.1	2.8		2114	9.8	3.0
8 W	0215	0.2	0.1	23 Th	0337	-0.5	-0.2
	0823	8.4	2.6		0951	8.6	2.6
	1423	0.5	0.2		1543	0.4	0.1
	2039	9.6	2.9		2201	9.8	3.0
9 Th	0303	-0.4	-0.1	24 F	0425	-0.6	-0.2
	0914	8.6	2.6		1038	8.5	2.6
	1511	0.2	0.1		1628	0.5	0.2
	2124	10.1	3.1		2243	9.7	3.0
10 F	0351	-1.0	-0.3	25 Sa	0508	-0.6	-0.2
	1001	8.9	2.7		1122	8.4	2.6
	1557	0.0	0.0		1710	0.7	0.2
	2212	10.5	3.2		2324	9.7	3.0
11 Sa	0440	-1.4	-0.4	26 Su	0548	-0.4	-0.1
	1051	9.1	2.8		1201	8.3	2.5
	1646	-0.2	-0.1		1751	0.8	0.2
	2301	10.8	3.3				
12 Su	0529	-1.6	-0.5	27 M	0002	9.5	2.9
	1142	9.3	2.8		0628	-0.2	-0.1
	1737	-0.2	-0.1		1241	8.3	2.5
	2351	10.9	3.3		1828	1.0	0.3
13 M	0620	-1.7	-0.5	28 Tu	0042	9.4	2.9
	1234	9.3	2.8		0706	0.0	0.0
	1830	-0.2	-0.1		1318	8.2	2.5
					1909	1.1	0.3
14 Tu	0044	10.9	3.3	29 W	0119	9.2	2.8
	0715	-1.5	-0.5		0743	0.2	0.1
	1329	9.4	2.9		1356	8.1	2.5
	1926	0.0	0.0		1950	1.3	0.4
15 W	0140	10.7	3.3	30 Th	0200	9.0	2.7
	0809	-1.3	-0.4		0822	0.4	0.1
	1425	9.3	2.8		1435	8.1	2.5
	2025	0.2	0.1		2032	1.4	0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0241	8.7	2.7	16 Sa	0326	9.8	3.0
	0902	0.6	0.2		0947	-0.7	-0.2
	1515	8.1	2.5		1608	9.6	2.9
	2118	1.4	0.4		2219	0.0	0.0
2 Sa	0323	8.5	2.6	17 Su	0431	9.2	2.8
	0944	0.7	0.2		1044	-0.2	-0.1
	1558	8.2	2.5		1707	9.5	2.9
	2205	1.3	0.4		2325	0.1	0.0
3 Su	0411	8.2	2.5	18 M	0536	8.7	2.7
	1027	0.8	0.2		1144	0.1	0.0
	1642	8.4	2.6		1808	9.4	2.9
	2256	1.2	0.4				
4 M	0502	8.1	2.5	19 Tu	0029	0.1	0.0
	1114	0.9	0.3		0641	8.3	2.5
	1730	8.6	2.6		1243	0.4	0.1
	2349	0.8	0.2		1907	9.4	2.9
5 Tu	0555	8.0	2.4	20 W	0130	0.0	0.0
	1203	0.8	0.2		0745	8.2	2.5
	1821	8.9	2.7		1341	0.6	0.2
					2003	9.4	2.9
6 W	0044	0.4	0.1	21 Th	0227	-0.1	0.0
	0649	8.0	2.4		0841	8.1	2.5
	1253	0.7	0.2		1436	0.8	0.2
	1912	9.3	2.8		2055	9.5	2.9
7 Th	0138	-0.1	0.0	22 F	0318	-0.2	-0.1
	0746	8.2	2.5		0932	8.2	2.5
	1345	0.5	0.2		1524	0.8	0.2
	2003	9.8	3.0		2141	9.5	2.9
8 F	0231	-0.6	-0.2	23 Sa	0404	-0.2	-0.1
	0842	8.5	2.6		1018	8.2	2.5
	1439	0.2	0.1		1609	0.8	0.2
	2055	10.3	3.1		2225	9.5	2.9
9 Sa	0327	-1.1	-0.3	24 Su	0446	-0.2	-0.1
	0937	8.8	2.7		1100	8.3	2.5
	1532	0.0	0.0		1649	0.9	0.3
	2148	10.8	3.3		2304	9.5	2.9
10 Su	0418	-1.5	-0.5	25 M	0527	-0.1	0.0
	1031	9.2	2.8		1138	8.3	2.5
	1626	-0.3	-0.1		1727	0.9	0.3
	2241	11.1	3.4		2341	9.5	2.9
11 M	0512	-1.7	-0.5	26 Tu	0603	-0.1	0.0
	1123	9.4	2.9		1213	8.3	2.5
	1720	-0.4	-0.1		1804	0.9	0.3
	2336	11.2	3.4				
12 Tu	0605	-1.8	-0.5	27 W	0017	9.4	2.9
	1219	9.7	3.0		0638	0.0	0.0
	1816	-0.5	-0.2		1247	8.4	2.6
					1842	0.9	0.3
13 W	0031	11.1	3.4	28 Th	0052	9.2	2.8
	0659	-1.7	-0.5		0711	0.1	0.0
	1313	9.8	3.0		1321	8.4	2.6
	1913	-0.4	-0.1		1919	0.9	0.3
14 Th	0127	10.8	3.3	29 F	0128	9.0	2.7
	0753	-1.5	-0.5		0747	0.3	0.1
	1409	9.8	3.0		1356	8.4	2.6
	2012	-0.3	-0.1		2000	0.9	0.3
15 F	0225	10.4	3.2	30 Sa	0206	8.8	2.7
	0848	-1.1	-0.3		0823	0.4	0.1
	1507	9.7	3.0		1433	8.4	2.6
	2115	-0.1	0.0		2040	0.8	0.2
				31 Su	0246	8.5	2.6
					0901	0.5	0.2
					1514	8.5	2.6
					2126	0.8	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0332	8.2	2.5	16 Tu	0514	8.3	2.5
	0944	0.6	0.2		1115	0.6	0.2
	1557	8.6	2.6		1738	9.1	2.8
	2216	0.7	0.2				
2 Tu	0421	8.0	2.4	17 W	0003	0.2	0.1
	1032	0.7	0.2		0619	7.9	2.4
	1646	8.8	2.7		1215	0.9	0.3
	2309	0.5	0.2		1839	9.0	2.7
3 W	0515	7.9	2.4	18 Th	0106	0.3	0.1
	1123	0.7	0.2		0722	7.8	2.4
	1739	9.1	2.8		1317	1.1	0.3
					1939	9.0	2.7
4 Th	0007	0.2	0.1	19 F	0205	0.3	0.1
	0615	8.0	2.4		0821	7.9	2.4
	1219	0.7	0.2		1411	1.1	0.3
	1837	9.5	2.9		2032	9.1	2.8
5 F	0106	-0.2	-0.1	20 Sa	0255	0.2	0.1
	0717	8.2	2.5		0911	8.0	2.4
	1317	0.5	0.2		1502	1.1	0.3
	1934	9.9	3.0		2121	9.3	2.8
6 Sa	0207	-0.6	-0.2	21 Su	0341	0.2	0.1
	0818	8.5	2.6		0953	8.2	2.5
	1415	0.2	0.1		1546	1.0	0.3
	2034	10.4	3.2		2202	9.4	2.9
7 Su	0306	-1.0	-0.3	22 M	0425	0.1	0.0
	0916	9.0	2.7		1034	8.4	2.6
	1514	-0.1	0.0		1625	0.8	0.2
	2132	10.9	3.3		2241	9.5	2.9
8 M	0401	-1.4	-0.4	23 Tu	0459	0.1	0.0
	1012	9.4	2.9		1108	8.5	2.6
	1610	-0.5	-0.2		1702	0.7	0.2
	2228	11.2	3.4		2316	9.5	2.9
9 Tu	0455	-1.7	-0.5	24 W	0533	0.1	0.0
	1107	9.8	3.0		1142	8.6	2.6
	1707	-0.8	-0.2		1738	0.6	0.2
	2323	11.3	3.4		2349	9.4	2.9
10 W	0548	-1.8	-0.5	25 Th	0605	0.1	0.0
	1200	10.1	3.1		1212	8.7	2.7
	1802	-0.9	-0.3		1813	0.5	0.2
11 Th	0017	11.1	3.4	26 F	0023	9.2	2.8
	0640	-1.7	-0.5		0636	0.1	0.0
	1254	10.2	3.1		1242	8.7	2.7
	1858	-0.9	-0.3		1849	0.4	0.1
12 F	0111	10.7	3.3	27 Sa	0056	9.0	2.7
	0731	-1.5	-0.5		0709	0.1	0.0
	1347	10.1	3.1		1318	8.8	2.7
	1956	-0.8	-0.2		1927	0.3	0.1
13 Sa	0208	10.1	3.1	28 Su	0135	8.7	2.7
	0824	-1.0	-0.3		0744	0.3	0.1
	1441	9.9	3.0		1353	8.8	2.7
	2054	-0.6	-0.2		2008	0.2	0.1
14 Su	0305	9.5	2.9	29 M	0214	8.5	2.6
	0918	-0.5	-0.2		0822	0.4	0.1
	1538	9.6	2.9		1433	8.9	2.7
	2155	-0.3	-0.1		2053	0.2	0.1
15 M	0408	8.8	2.7	30 Tu	0258	8.3	2.5
	1015	0.1	0.0		0907	0.6	0.2
	1637	9.3	2.8		1518	8.9	2.7
	2257	0.0	0.0		2144	0.2	0.1
				31 W	0350	8.1	2.5
					0956	0.8	0.2
					1612	9.1	2.8
					2240	0.2	0.1

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0449	8.0	2.4	16 F	0036	0.7	0.2
	1051	0.9	0.3		0655	7.7	2.3
	1709	9.2	2.8		1248	1.5	0.5
	2341	0.1	0.0		1909	8.7	2.7
2 F	0551	8.0	2.4	17 Sa	0135	0.7	0.2
	1154	0.9	0.3		0751	7.8	2.4
	1813	9.5	2.9		1345	1.4	0.4
					2005	8.9	2.7
3 Sa	0045	-0.1	0.0	18 Su	0226	0.6	0.2
	0659	8.3	2.5		0839	8.1	2.5
	1259	0.7	0.2		1436	1.2	0.4
	1917	10.0	3.0		2051	9.1	2.8
4 Su	0149	-0.5	-0.2	19 M	0309	0.5	0.2
	0802	8.8	2.7		0923	8.4	2.6
	1400	0.3	0.1		1519	1.0	0.3
	2018	10.4	3.2		2133	9.2	2.8
5 M	0248	-0.9	-0.3	20 Tu	0349	0.4	0.1
	0901	9.3	2.8		1000	8.6	2.6
	1501	-0.2	-0.1		1557	0.7	0.2
	2119	10.8	3.3		2212	9.3	2.8
6 Tu	0344	-1.3	-0.4	21 W	0425	0.2	0.1
	0956	9.8	3.0		1033	8.8	2.7
	1559	-0.7	-0.2		1633	0.4	0.1
	2215	11.1	3.4		2246	9.3	2.8
7 W	0436	-1.6	-0.5	22 Th	0457	0.1	0.0
	1049	10.3	3.1		1104	8.9	2.7
	1654	-1.1	-0.3		1709	0.2	0.1
	2308	11.1	3.4		2319	9.2	2.8
8 Th	0527	-1.7	-0.5	23 F	0528	0.1	0.0
	1140	10.5	3.2		1134	9.1	2.8
	1748	-1.3	-0.4		1744	-0.1	0.0
					2351	9.1	2.8
9 F	0001	10.9	3.3	24 Sa	0601	0.1	0.0
	0616	-1.6	-0.5		1205	9.2	2.8
	1230	10.5	3.2		1819	-0.2	-0.1
	1842	-1.4	-0.4				
10 Sa	0054	10.4	3.2	25 Su	0026	8.9	2.7
	0705	-1.2	-0.4		0633	0.1	0.0
	1319	10.3	3.1		1242	9.2	2.8
	1934	-1.2	-0.4		1857	-0.3	-0.1
11 Su	0148	9.7	3.0	26 M	0103	8.7	2.7
	0756	-0.7	-0.2		0710	0.2	0.1
	1412	10.0	3.0		1319	9.3	2.8
	2027	-0.8	-0.2		1937	-0.3	-0.1
12 M	0243	9.0	2.7	27 Tu	0147	8.5	2.6
	0849	-0.1	0.0		0750	0.4	0.1
	1504	9.5	2.9		1401	9.3	2.8
	2126	-0.3	-0.1		2025	-0.2	-0.1
13 Tu	0341	8.4	2.6	28 W	0233	8.3	2.5
	0944	0.5	0.2		0838	0.7	0.2
	1603	9.1	2.8		1451	9.3	2.8
	2227	0.1	0.0		2118	-0.1	0.0
14 W	0445	7.9	2.4	29 Th	0328	8.1	2.5
	1043	1.1	0.3		0930	0.9	0.3
	1704	8.7	2.7		1547	9.3	2.8
	2332	0.5	0.2		2215	0.1	0.0
15 Th	0551	7.7	2.3	30 F	0429	8.1	2.5
	1146	1.4	0.4		1033	1.1	0.3
	1809	8.6	2.6		1648	9.3	2.8
					2322	0.1	0.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0538	8.2	2.5	16	0053	1.0	0.3
Sa	1138	1.0	0.3	Su	0715	7.9	2.4
	1757	9.5	2.9		1312	1.7	0.5
					1927	8.6	2.6
2	0029	-0.1	0.0	17	0146	1.0	0.3
Su	0646	8.6	2.6	M	0802	8.2	2.5
	1246	0.7	0.2		1402	1.3	0.4
	1903	9.9	3.0		2016	8.7	2.7
3	0133	-0.4	-0.1	18	0229	0.8	0.2
M	0749	9.1	2.8	Tu	0844	8.5	2.6
	1352	0.2	0.1		1444	0.9	0.3
	2009	10.2	3.1		2058	8.9	2.7
4	0231	-0.8	-0.2	19	0308	0.6	0.2
Tu	0847	9.7	3.0	W	0921	8.8	2.7
	1452	-0.4	-0.1		1525	0.5	0.2
	2108	10.6	3.2		2137	9.0	2.7
5	0325	-1.1	-0.3	20	0343	0.4	0.1
W	0940	10.2	3.1	Th	0953	9.1	2.8
	1548	-1.0	-0.3		1602	0.1	0.0
	2202	10.7	3.3		2212	9.0	2.7
6	0417	-1.3	-0.4	21	0417	0.2	0.1
Th	1030	10.6	3.2	F	1025	9.3	2.8
	1641	-1.4	-0.4		1637	-0.3	-0.1
	2255	10.6	3.2		2247	9.0	2.7
7	0504	-1.3	-0.4	22	0449	0.1	0.0
F	1118	10.7	3.3	Sa	1057	9.5	2.9
	1732	-1.6	-0.5		1713	-0.6	-0.2
	2344	10.3	3.1		2322	9.0	2.7
8	0551	-1.2	-0.4	23	0523	0.0	0.0
Sa	1204	10.6	3.2	Su	1131	9.6	2.9
	1822	-1.5	-0.5		1751	-0.8	-0.2
					2359	8.9	2.7
9	0034	9.8	3.0	24	0600	0.1	0.0
Su	0638	-0.8	-0.2	M	1209	9.8	3.0
	1252	10.3	3.1		1831	-0.8	-0.2
	1911	-1.3	-0.4				
10	0124	9.3	2.8	25	0041	8.8	2.7
M	0727	-0.2	-0.1	Tu	0640	0.2	0.1
	1340	9.9	3.0		1250	9.8	3.0
	2001	-0.8	-0.2		1915	-0.8	-0.2
11	0217	8.7	2.7	26	0126	8.6	2.6
Tu	0815	0.4	0.1	W	0726	0.4	0.1
	1429	9.3	2.8		1337	9.7	3.0
	2057	-0.2	-0.1		2003	-0.6	-0.2
12	0313	8.1	2.5	27	0217	8.5	2.6
W	0910	1.0	0.3	Th	0817	0.7	0.2
	1525	8.9	2.7		1428	9.6	2.9
	2152	0.3	0.1		2059	-0.3	-0.1
13	0413	7.7	2.3	28	0313	8.3	2.5
Th	1008	1.5	0.5	F	0913	1.0	0.3
	1627	8.5	2.6		1528	9.5	2.9
	2255	0.8	0.2		2200	-0.1	0.0
14	0516	7.6	2.3	29	0418	8.3	2.5
F	1111	1.8	0.5	Sa	1019	1.1	0.3
	1730	8.4	2.6		1635	9.4	2.9
	2357	1.0	0.3		2307	0.0	0.0
15	0619	7.6	2.3	30	0527	8.5	2.6
Sa	1212	1.8	0.5	Su	1129	1.0	0.3
	1832	8.4	2.6		1745	9.4	2.9
				31	0014	-0.1	0.0
				M	0635	8.9	2.7
					1239	0.6	0.2
					1855	9.6	2.9

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0117	-0.3	-0.1	16	0139	1.0	0.3
Tu	0736	9.5	2.9	W	0754	8.5	2.6
	1344	0.1	0.0		1405	0.9	0.3
	1957	9.8	3.0		2015	8.4	2.6
2	0214	-0.6	-0.2	17	0221	0.8	0.2
W	0831	10.0	3.0	Th	0834	8.8	2.7
	1444	-0.6	-0.2		1447	0.4	0.1
	2056	10.0	3.0		2057	8.5	2.6
3	0307	-0.8	-0.2	18	0258	0.5	0.2
Th	0922	10.4	3.2	F	0911	9.2	2.8
	1537	-1.1	-0.3		1527	-0.1	0.0
	2150	10.0	3.0		2136	8.6	2.6
4	0356	-0.9	-0.3	19	0335	0.3	0.1
F	1011	10.6	3.2	Sa	0945	9.5	2.9
	1628	-1.5	-0.5		1606	-0.6	-0.2
	2241	9.9	3.0		2215	8.7	2.7
5	0442	-0.9	-0.3	20	0413	0.1	0.0
Sa	1057	10.7	3.3	Su	1022	9.8	3.0
	1716	-1.6	-0.5		1647	-1.0	-0.3
	2330	9.6	2.9		2255	8.8	2.7
6	0527	-0.6	-0.2	21	0452	0.0	0.0
Su	1141	10.5	3.2	M	1102	10.1	3.1
	1804	-1.5	-0.5		1726	-1.2	-0.4
					2338	8.9	2.7
7	0016	9.3	2.8	22	0533	0.0	0.0
M	0613	-0.2	-0.1	Tu	1144	10.3	3.1
	1225	10.1	3.1		1811	-1.3	-0.4
	1850	-1.1	-0.3				
8	0103	8.8	2.7	23	0021	8.9	2.7
Tu	0658	0.2	0.1	W	0617	0.1	0.0
	1312	9.7	3.0		1229	10.3	3.1
	1937	-0.7	-0.2		1858	-1.2	-0.4
9	0153	8.4	2.6	24	0111	8.8	2.7
W	0745	0.8	0.2	Th	0708	0.3	0.1
	1400	9.3	2.8		1320	10.2	3.1
	2027	-0.1	0.0		1950	-1.0	-0.3
10	0241	8.0	2.4	25	0203	8.7	2.7
Th	0836	1.3	0.4	F	0801	0.5	0.2
	1449	8.8	2.7		1414	10.0	3.0
	2118	0.4	0.1		2046	-0.7	-0.2
11	0337	7.7	2.3	26	0302	8.7	2.7
F	0930	1.7	0.5	Sa	0902	0.7	0.2
	1544	8.5	2.6		1515	9.7	3.0
	2213	0.9	0.3		2147	-0.4	-0.1
12	0434	7.6	2.3	27	0407	8.7	2.7
Sa	1027	1.9	0.6	Su	1009	0.8	0.2
	1643	8.2	2.5		1621	9.4	2.9
	2309	1.1	0.3		2250	-0.2	-0.1
13	0533	7.6	2.3	28	0513	8.9	2.7
Su	1127	1.9	0.6	M	1119	0.7	0.2
	1742	8.1	2.5		1733	9.2	2.8
					2356	-0.2	-0.1
14	0005	1.2	0.4	29	0617	9.2	2.8
M	0625	7.8	2.4	Tu	1229	0.4	0.1
	1227	1.7	0.5		1842	9.2	2.8
	1837	8.2	2.5				
15	0054	1.1	0.3	30	0057	-0.2	-0.1
Tu	0714	8.1	2.5	W	0718	9.6	2.9
	1318	1.4	0.4		1334	-0.1	0.0
	1930	8.3	2.5		1946	9.2	2.8

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0154	-0.3	-0.1	16	0128	0.9	0.3
Th	0815	10.0	3.0	F	0742	8.8	2.7
	1434	-0.7	-0.2		1405	0.3	0.1
	2045	9.2	2.8		2013	8.0	2.4
2	0247	-0.4	-0.1	17	0213	0.6	0.2
F	0906	10.3	3.1	Sa	0827	9.2	2.8
	1525	-1.1	-0.3		1450	-0.2	-0.1
	2138	9.2	2.8		2059	8.2	2.5
3	0338	-0.4	-0.1	18	0255	0.4	0.1
Sa	0953	10.4	3.2	Su	0908	9.7	3.0
	1615	-1.3	-0.4		1536	-0.8	-0.2
	2229	9.1	2.8		2145	8.5	2.6
4	0425	-0.3	-0.1	19	0341	0.1	0.0
Su	1039	10.3	3.1	M	0953	10.1	3.1
	1702	-1.4	-0.4		1620	-1.2	-0.4
	2315	9.0	2.7		2230	8.8	2.7
5	0509	-0.1	0.0	20	0424	-0.1	0.0
M	1121	10.2	3.1	Tu	1038	10.5	3.2
	1748	-1.2	-0.4		1706	-1.5	-0.5
					2318	9.0	2.7
6	0000	8.8	2.7	21	0513	-0.2	-0.1
Tu	0552	0.2	0.1	W	1124	10.7	3.3
	1206	9.9	3.0		1755	-1.6	-0.5
	1830	-0.9	-0.3				
7	0043	8.5	2.6	22	0005	9.1	2.8
W	0634	0.5	0.2	Th	0601	-0.2	-0.1
	1247	9.6	2.9		1214	10.7	3.3
	1913	-0.5	-0.2		1844	-1.6	-0.5
8	0127	8.3	2.5	23	0056	9.2	2.8
Th	0719	0.9	0.3	F	0655	-0.2	-0.1
	1329	9.3	2.8		1308	10.6	3.2
	1958	-0.1	0.0		1937	-1.4	-0.4
9	0211	8.0	2.4	24	0150	9.2	2.8
F	0804	1.2	0.4	Sa	0750	0.0	0.0
	1414	8.9	2.7		1404	10.3	3.1
	2041	0.3	0.1		2030	-1.1	-0.3
10	0257	7.8	2.4	25	0248	9.2	2.8
Sa	0853	1.5	0.5	Su	0851	0.2	0.1
	1502	8.5	2.6		1504	9.8	3.0
	2128	0.7	0.2		2130	-0.8	-0.2
11	0347	7.7	2.3	26	0350	9.2	2.8
Su	0942	1.7	0.5	M	0957	0.3	0.1
	1554	8.2	2.5		1608	9.3	2.8
	2218	1.0	0.3		2229	-0.4	-0.1
12	0435	7.7	2.3	27	0452	9.2	2.8
M	1037	1.7	0.5	Tu	1105	0.3	0.1
	1646	8.0	2.4		1718	8.9	2.7
	2306	1.1	0.3		2333	-0.2	-0.1
13	0526	7.8	2.4	28	0557	9.3	2.8
Tu	1132	1.6	0.5	W	1214	0.1	0.0
	1741	7.8	2.4		1827	8.6	2.6
	2354	1.1	0.3				
14	0614	8.1	2.5	29	0035	0.0	0.0
W	1227	1.3	0.4	Th	0659	9.5	2.9
	1834	7.8	2.4		1320	-0.2	-0.1
					1933	8.5	2.6
15	0041	1.0	0.3	30	0133	0.1	0.0
Th	0659	8.4	2.6	F	0757	9.7	3.0
	1318	0.8	0.2		1421	-0.6	-0.2
	1923	7.8	2.4		2033	8.5	2.6
				31	0230	0.1	0.0
				Sa	0850	9.9	3.0
					1514	-0.8	-0.2
					2128	8.5	2.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0009	10.0	3.0	16 Su	0028	8.6	2.6
	0608	-0.9	-0.3		0624	0.6	0.2
	1223	11.7	3.6		1237	9.7	3.0
	1847	-2.2	-0.7		1855	-0.4	-0.1
2 Su	0102	10.1	3.1	17 M	0106	8.6	2.6
	0701	-0.9	-0.3		0703	0.6	0.2
	1318	11.5	3.5		1315	9.6	2.9
	1940	-2.0	-0.6		1935	-0.3	-0.1
3 M	0156	10.0	3.0	18 Tu	0145	8.7	2.7
	0756	-0.7	-0.2		0745	0.7	0.2
	1413	11.0	3.4		1356	9.4	2.9
	2033	-1.6	-0.5		2014	-0.1	0.0
4 Tu	0252	9.9	3.0	19 W	0227	8.7	2.7
	0854	-0.4	-0.1		0830	0.7	0.2
	1510	10.4	3.2		1438	9.2	2.8
	2129	-1.1	-0.3		2056	0.1	0.0
5 W	0349	9.7	3.0	20 Th	0310	8.8	2.7
	0955	-0.1	0.0		0917	0.7	0.2
	1608	9.8	3.0		1526	8.9	2.7
	2224	-0.5	-0.2		2140	0.3	0.1
6 Th	0446	9.6	2.9	21 F	0355	8.9	2.7
	1056	0.2	0.1		1007	0.7	0.2
	1710	9.2	2.8		1616	8.7	2.7
	2322	0.0	0.0		2229	0.4	0.1
7 F	0543	9.5	2.9	22 Sa	0444	9.1	2.8
	1201	0.3	0.1		1103	0.6	0.2
	1811	8.7	2.7		1709	8.5	2.6
					2321	0.6	0.2
8 Sa	0019	0.4	0.1	23 Su	0536	9.3	2.8
	0641	9.5	2.9		1200	0.3	0.1
	1301	0.3	0.1		1808	8.4	2.6
	1913	8.4	2.6				
9 Su	0115	0.6	0.2	24 M	0017	0.6	0.2
	0734	9.5	2.9		0632	9.7	3.0
	1357	0.2	0.1		1259	-0.1	0.0
	2010	8.2	2.5		1908	8.5	2.6
10 M	0206	0.8	0.2	25 Tu	0115	0.4	0.1
	0827	9.5	2.9		0731	10.1	3.1
	1451	0.1	0.0		1400	-0.6	-0.2
	2103	8.2	2.5		2008	8.8	2.7
11 Tu	0255	0.8	0.2	26 W	0213	0.1	0.0
	0914	9.6	2.9		0827	10.6	3.2
	1538	0.0	0.0		1458	-1.1	-0.3
	2148	8.3	2.5		2106	9.1	2.8
12 W	0340	0.8	0.2	27 Th	0311	-0.3	-0.1
	0957	9.7	3.0		0924	11.1	3.4
	1620	-0.2	-0.1		1554	-1.6	-0.5
	2233	8.3	2.5		2204	9.5	2.9
13 Th	0423	0.7	0.2	28 F	0405	-0.7	-0.2
	1039	9.7	3.0		1020	11.5	3.5
	1700	-0.3	-0.1		1646	-2.0	-0.6
	2311	8.4	2.6		2259	9.9	3.0
14 F	0504	0.7	0.2	29 Sa	0500	-1.0	-0.3
	1119	9.8	3.0		1115	11.7	3.6
	1737	-0.4	-0.1		1738	-2.3	-0.7
	2351	8.5	2.6		2352	10.2	3.1
15 Sa	0544	0.6	0.2	30 Su	0553	-1.2	-0.4
	1158	9.8	3.0		1209	11.7	3.6
	1816	-0.4	-0.1		1829	-2.2	-0.7
				31 M	0044	10.4	3.2
					0645	-1.3	-0.4
					1302	11.4	3.5
					1919	-2.0	-0.6

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0135	10.4	3.2	16 W	0116	9.2	2.8
	0738	-1.1	-0.3		0719	0.1	0.0
	1354	10.9	3.3		1329	9.6	2.9
	2009	-1.6	-0.5		1943	-0.3	-0.1
2 W	0227	10.3	3.1	17 Th	0153	9.3	2.8
	0833	-0.8	-0.2		0801	0.1	0.0
	1449	10.3	3.1		1411	9.4	2.9
	2059	-1.0	-0.3		2024	-0.1	0.0
3 Th	0318	10.0	3.0	18 F	0235	9.4	2.9
	0929	-0.4	-0.1		0847	0.1	0.0
	1542	9.6	2.9		1456	9.1	2.8
	2152	-0.3	-0.1		2105	0.2	0.1
4 F	0413	9.7	3.0	19 Sa	0321	9.4	2.9
	1027	0.0	0.0		0938	0.1	0.0
	1639	8.9	2.7		1547	8.8	2.7
	2245	0.3	0.1		2156	0.4	0.1
5 Sa	0507	9.4	2.9	20 Su	0410	9.5	2.9
	1126	0.4	0.1		1032	0.2	0.1
	1739	8.3	2.5		1643	8.5	2.6
	2341	0.8	0.2		2249	0.6	0.2
6 Su	0603	9.2	2.8	21 M	0506	9.6	2.9
	1227	0.6	0.2		1131	0.1	0.0
	1838	7.9	2.4		1742	8.4	2.6
					2348	0.7	0.2
7 M	0038	1.1	0.3	22 Tu	0606	9.7	3.0
	0700	9.0	2.7		1235	-0.1	0.0
	1326	0.6	0.2		1845	8.4	2.6
	1939	7.8	2.4				
8 Tu	0136	1.3	0.4	23 W	0051	0.6	0.2
	0755	9.0	2.7		0707	10.0	3.0
	1421	0.5	0.2		1339	-0.4	-0.1
	2035	7.8	2.4		1949	8.7	2.7
9 W	0228	1.2	0.4	24 Th	0154	0.3	0.1
	0846	9.1	2.8		0810	10.4	3.2
	1509	0.4	0.1		1439	-0.9	-0.3
	2124	8.0	2.4		2050	9.1	2.8
10 Th	0316	1.0	0.3	25 F	0255	-0.2	-0.1
	0932	9.3	2.8		0911	10.9	3.3
	1554	0.1	0.0		1535	-1.4	-0.4
	2207	8.2	2.5		2148	9.6	2.9
11 F	0359	0.8	0.2	26 Sa	0351	-0.7	-0.2
	1015	9.5	2.9		1007	11.2	3.4
	1634	-0.1	0.0		1628	-1.8	-0.5
	2246	8.4	2.6		2242	10.1	3.1
12 Sa	0441	0.6	0.2	27 Su	0445	-1.2	-0.4
	1054	9.7	3.0		1102	11.5	3.5
	1713	-0.3	-0.1		1719	-2.0	-0.6
	2324	8.7	2.7		2333	10.5	3.2
13 Su	0521	0.4	0.1	28 M	0537	-1.5	-0.5
	1134	9.8	3.0		1152	11.4	3.5
	1750	-0.4	-0.1		1808	-2.0	-0.6
14 M	0002	8.9	2.7				
	0600	0.2	0.1				
	1211	9.8	3.0				
	1828	-0.5	-0.2				
15 Tu	0038	9.0	2.7				
	0639	0.1	0.0				
	1250	9.8	3.0				
	1905	-0.4	-0.1				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0023	10.7	3.3	16 W	0005	9.6	2.9
	0627	-1.5	-0.5		0614	-0.4	-0.1
	1243	11.2	3.4		1224	9.9	3.0
	1855	-1.7	-0.5		1834	-0.4	-0.1
2 W	0110	10.7	3.3	17 Th	0045	9.8	3.0
	0718	-1.4	-0.4		0654	-0.5	-0.2
	1332	10.7	3.3		1303	9.7	3.0
	1942	-1.2	-0.4		1913	-0.3	-0.1
3 Th	0157	10.5	3.2	18 F	0122	9.9	3.0
	0807	-1.0	-0.3		0737	-0.5	-0.2
	1423	10.0	3.0		1347	9.5	2.9
	2029	-0.6	-0.2		1954	-0.1	0.0
4 F	0246	10.2	3.1	19 Sa	0204	10.0	3.0
	0859	-0.5	-0.2		0823	-0.5	-0.2
	1515	9.3	2.8		1433	9.2	2.8
	2118	0.1	0.0		2039	0.2	0.1
5 Sa	0334	9.7	3.0	20 Su	0252	9.9	3.0
	0952	0.0	0.0		0913	-0.3	-0.1
	1606	8.6	2.6		1525	8.9	2.7
	2208	0.7	0.2		2128	0.5	0.2
6 Su	0429	9.3	2.8	21 M	0345	9.8	3.0
	1048	0.5	0.2		1010	-0.1	0.0
	1702	8.1	2.5		1622	8.6	2.6
	2304	1.3	0.4		2227	0.8	0.2
7 M	0523	8.9	2.7	22 Tu	0442	9.7	3.0
	1148	0.8	0.2		1111	0.0	0.0
	1802	7.7	2.3		1723	8.4	2.6
					2328	0.9	0.3
8 Tu	0002	1.6	0.5	23 W	0545	9.7	3.0
	0621	8.7	2.7		1216	-0.1	0.0
	1249	1.0	0.3		1828	8.5	2.6
	1901	7.6	2.3				
9 W	0101	1.6	0.5	24 Th	0035	0.7	0.2
	0720	8.7	2.7		0651	9.9	3.0
	1344	0.9	0.3		1320	-0.3	-0.1
	2000	7.7	2.3		1933	8.8	2.7
10 Th	0157	1.5	0.5	25 F	0139	0.4	0.1
	0812	8.8	2.7		0755	10.2	3.1
	1435	0.7	0.2		1421	-0.7	-0.2
	2050	8.0	2.4		2034	9.4	2.9
11 F	0247	1.2	0.4	26 Sa	0240	-0.2	-0.1
	0903	9.1	2.8		0855	10.6	3.2
	1521	0.4	0.1		1517	-1.1	-0.3
	2135	8.3	2.5		2132	9.9	3.0
12 Sa	0332	0.8	0.2	27 Su	0338	-0.7	-0.2
	0946	9.3	2.8		0952	10.9	3.3
	1604	0.1	0.0		1609	-1.4	-0.4
	2215	8.6	2.6		2223	10.4	3.2
13 Su	0415	0.5	0.2	28 M	0431	-1.2	-0.4
	1028	9.6	2.9		1046	11.0	3.4
	1642	-0.2	-0.1		1657	-1.5	-0.5
	2254	9.0	2.7		2312	10.8	3.3
14 M	0454	0.1	0.0	29 Tu	0520	-1.5	-0.5
	1107	9.8	3.0		1135	10.9	3.3
	1719	-0.3	-0.1		1744	-1.4	-0.4
	2330	9.3	2.8		2358	10.9	3.3
15 Tu	0534	-0.2	-0.1	30 W	0608	-1.5	-0.5
	1145	9.9	3.0		1223	10.6	3.2
	1757	-0.4	-0.1		1827	-1.1	-0.3
				31 Th	0041	10.9	3.3
					0655	-1.3	-0.4
					1309	10.2	3.1
					1912	-0.6	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0127	10.6	3.2	16	0054	10.6	3.2
F	0741	-1.0	-0.3	Sa	0715	-1.0	-0.3
	1355	9.6	2.9		1326	9.6	2.9
	1958	0.0	0.0		1929	0.0	0.0
2	0212	10.2	3.1	17	0140	10.5	3.2
Sa	0827	-0.5	-0.2	Su	0804	-0.9	-0.3
	1444	9.0	2.7		1415	9.3	2.8
	2044	0.6	0.2		2017	0.3	0.1
3	0300	9.7	3.0	18	0230	10.4	3.2
Su	0918	0.1	0.0	M	0857	-0.7	-0.2
	1534	8.5	2.6		1509	9.0	2.7
	2134	1.1	0.3		2111	0.6	0.2
4	0350	9.2	2.8	19	0326	10.2	3.1
M	1011	0.6	0.2	Tu	0953	-0.4	-0.1
	1627	8.0	2.4		1608	8.8	2.7
	2227	1.6	0.5		2211	0.8	0.2
5	0443	8.8	2.7	20	0427	9.9	3.0
Tu	1107	0.9	0.3	W	1055	-0.2	-0.1
	1723	7.7	2.3		1711	8.7	2.7
	2323	1.8	0.5		2315	0.9	0.3
6	0541	8.5	2.6	21	0531	9.8	3.0
W	1205	1.1	0.3	Th	1159	-0.2	-0.1
	1822	7.7	2.3		1816	8.9	2.7
7	0022	1.8	0.5	22	0021	0.7	0.2
Th	0637	8.5	2.6	F	0638	9.8	3.0
	1302	1.1	0.3		1301	-0.3	-0.1
	1917	7.8	2.4		1918	9.2	2.8
8	0119	1.6	0.5	23	0127	0.3	0.1
F	0733	8.6	2.6	Sa	0741	10.0	3.0
	1355	0.9	0.3		1402	-0.5	-0.2
	2009	8.1	2.5		2018	9.7	3.0
9	0213	1.3	0.4	24	0227	-0.2	-0.1
Sa	0825	8.9	2.7	Su	0840	10.2	3.1
	1442	0.6	0.2		1456	-0.7	-0.2
	2055	8.5	2.6		2111	10.2	3.1
10	0258	0.8	0.2	25	0324	-0.7	-0.2
Su	0911	9.2	2.8	M	0937	10.3	3.1
	1525	0.3	0.1		1546	-0.8	-0.2
	2136	9.0	2.7		2202	10.6	3.2
11	0343	0.3	0.1	26	0414	-1.1	-0.3
M	0954	9.5	2.9	Tu	1028	10.3	3.1
	1606	0.0	0.0		1633	-0.8	-0.2
	2215	9.5	2.9		2248	10.8	3.3
12	0425	-0.1	0.0	27	0502	-1.3	-0.4
Tu	1036	9.7	3.0	W	1116	10.2	3.1
	1645	-0.2	-0.1		1718	-0.6	-0.2
	2254	9.9	3.0		2332	10.9	3.3
13	0506	-0.5	-0.2	28	0547	-1.3	-0.4
W	1116	9.8	3.0	Th	1202	10.0	3.0
	1725	-0.3	-0.1		1801	-0.3	-0.1
	2333	10.2	3.1				
14	0548	-0.8	-0.2	29	0015	10.7	3.3
Th	1158	9.8	3.0	F	0631	-1.1	-0.3
	1804	-0.3	-0.1		1247	9.6	2.9
					1844	0.0	0.0
15	0012	10.5	3.2	30	0058	10.5	3.2
F	0630	-1.0	-0.3	Sa	0716	-0.8	-0.2
	1241	9.8	3.0		1330	9.2	2.8
	1845	-0.2	-0.1		1927	0.5	0.2

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0142	10.1	3.1	16	0122	11.0	3.4
Su	0801	-0.3	-0.1	M	0746	-1.3	-0.4
	1416	8.8	2.7		1401	9.5	2.9
	2011	0.9	0.3		2001	0.2	0.1
2	0225	9.6	2.9	17	0215	10.8	3.3
M	0847	0.1	0.0	Tu	0841	-1.0	-0.3
	1503	8.4	2.6		1457	9.3	2.8
	2100	1.4	0.4		2057	0.4	0.1
3	0315	9.2	2.8	18	0313	10.5	3.2
Tu	0937	0.6	0.2	W	0937	-0.7	-0.2
	1553	8.1	2.5		1555	9.2	2.8
	2151	1.7	0.5		2157	0.6	0.2
4	0406	8.8	2.7	19	0414	10.1	3.1
W	1030	0.9	0.3	Th	1039	-0.5	-0.2
	1647	7.9	2.4		1658	9.2	2.8
	2247	1.9	0.6		2303	0.7	0.2
5	0459	8.6	2.6	20	0517	9.9	3.0
Th	1123	1.1	0.3	F	1140	-0.3	-0.1
	1740	7.9	2.4		1800	9.4	2.9
	2344	1.9	0.6				
6	0555	8.5	2.6	21	0009	0.5	0.2
F	1219	1.1	0.3	Sa	0623	9.7	3.0
	1834	8.1	2.5		1242	-0.2	-0.1
					1900	9.7	3.0
7	0040	1.6	0.5	22	0113	0.2	0.1
Sa	0650	8.6	2.6	Su	0725	9.7	3.0
	1309	0.9	0.3		1339	-0.2	-0.1
	1923	8.4	2.6		1957	10.0	3.0
8	0133	1.3	0.4	23	0213	-0.1	0.0
Su	0742	8.8	2.7	M	0824	9.6	2.9
	1358	0.7	0.2		1432	-0.2	-0.1
	2010	8.9	2.7		2051	10.3	3.1
9	0222	0.8	0.2	24	0306	-0.5	-0.2
M	0832	9.0	2.7	Tu	0919	9.6	2.9
	1443	0.5	0.2		1522	-0.2	-0.1
	2055	9.4	2.9		2138	10.6	3.2
10	0309	0.2	0.1	25	0356	-0.8	-0.2
Tu	0918	9.3	2.8	W	1009	9.6	2.9
	1527	0.2	0.1		1609	-0.1	0.0
	2136	9.9	3.0		2223	10.7	3.3
11	0355	-0.3	-0.1	26	0442	-0.9	-0.3
W	1002	9.5	2.9	Th	1056	9.5	2.9
	1609	0.0	0.0		1651	0.1	0.0
	2219	10.4	3.2		2307	10.6	3.2
12	0438	-0.8	-0.2	27	0526	-0.9	-0.3
Th	1047	9.7	3.0	F	1141	9.3	2.8
	1651	-0.2	-0.1		1735	0.3	0.1
	2301	10.7	3.3		2349	10.5	3.2
13	0523	-1.2	-0.4	28	0609	-0.7	-0.2
F	1133	9.8	3.0	Sa	1223	9.1	2.8
	1736	-0.2	-0.1		1817	0.6	0.2
	2343	11.0	3.4				
14	0609	-1.4	-0.4	29	0031	10.2	3.1
Sa	1219	9.8	3.0	Su	0651	-0.5	-0.2
	1820	-0.2	-0.1		1305	8.9	2.7
					1859	0.8	0.2
15	0032	11.1	3.4	30	0114	9.9	3.0
Su	0655	-1.4	-0.4	M	0733	-0.2	-0.1
	1309	9.7	3.0		1350	8.6	2.6
	1909	-0.1	0.0		1942	1.1	0.3
				31	0156	9.6	2.9
				Tu	0817	0.1	0.0
					1433	8.4	2.6
					2028	1.4	0.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0241	9.3	2.8	16	0259	10.7	3.3
W	0904	0.4	0.1	Th	0921	-1.0	-0.3
	1521	8.3	2.5		1541	9.7	3.0
	2118	1.6	0.5		2144	0.2	0.1
2	0331	9.0	2.7	17	0358	10.3	3.1
Th	0952	0.7	0.2	F	1019	-0.7	-0.2
	1608	8.2	2.5		1640	9.7	3.0
	2210	1.7	0.5		2247	0.3	0.1
3	0420	8.8	2.7	18	0500	9.9	3.0
F	1042	0.8	0.2	Sa	1118	-0.3	-0.1
	1659	8.3	2.5		1739	9.8	3.0
	2303	1.7	0.5		2351	0.3	0.1
4	0512	8.6	2.6	19	0604	9.5	2.9
Sa	1133	0.9	0.3	Su	1216	0.0	0.0
	1748	8.5	2.6		1838	9.9	3.0
	2358	1.5	0.5				
5	0606	8.6	2.6	20	0053	0.2	0.1
Su	1223	0.9	0.3	M	0705	9.2	2.8
	1838	8.8	2.7		1312	0.2	0.1
					1934	10.1	3.1
6	0053	1.1	0.3	21	0154	0.0	0.0
M	0658	8.6	2.6	Tu	0806	9.1	2.8
	1312	0.8	0.2		1407	0.3	0.1
	1926	9.2	2.8		2026	10.2	3.1
7	0144	0.7	0.2	22	0248	-0.2	-0.1
Tu	0749	8.8	2.7	W	0901	9.0	2.7
	1402	0.6	0.2		1458	0.4	0.1
	2013	9.7	3.0		2116	10.3	3.1
8	0234	0.1	0.0	23	0337	-0.3	-0.1
W	0840	9.0	2.7	Th	0951	8.9	2.7
	1448	0.4	0.1		1544	0.5	0.2
	2058	10.2	3.1		2202	10.3	3.1
9	0322	-0.5	-0.2	24	0424	-0.4	-0.1
Th	0930	9.3	2.8	F	1038	8.9	2.7
	1535	0.1	0.0		1628	0.6	0.2
	2145	10.7	3.3		2244	10.3	3.1
10	0411	-1.0	-0.3	25	0506	-0.4	-0.1
F	1019	9.5	2.9	Sa	1120	8.8	2.7
	1621	-0.1	0.0		1711	0.7	0.2
	2234	11.1	3.4		2326	10.2	3.1
11	0459	-1.4	-0.4	26	0545	-0.3	-0.1
Sa	1110	9.7	3.0	Su	1202	8.8	2.7
	1709	-0.3	-0.1		1752	0.8	0.2
	2322	11.4	3.5				
12	0548	-1.6	-0.5	27	0007	10.0	3.0
Su	1200	9.8	3.0	M	0628	-0.2	-0.1
	1759	-0.3	-0.1		1240	8.7	2.7
					1834	0.9	0.3
13	0013	11.5	3.5	28	0049	9.9	3.0
M	0639	-1.7	-0.5	Tu	0708	-0.1	0.0
	1253	9.8	3.0		1322	8.6	2.6
	1851	-0.3	-0.1		1916	1.1	0.3
14	0106	11.4	3.5	29	0130	9.7	3.0
Tu	0730	-1.6	-0.5	W	0749	0.1	0.0
	1346	9.8	3.0		1404	8.6	2.6
	1945	-0.2	-0.1		1959	1.2	0.4
15	0201	11.1	3.4	30	0213	9.4	2.9
W	0825	-1.3	-0.4	Th	0832	0.2	0.1
	1441	9.8	3.0		1446	8.6	2.6
	2043	0.0	0.0		2046	1.3	0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0257	9.2	2.8	16	0339	10.3	3.1
F	0915	0.4	0.1	Sa	0955	-0.7	-0.2
	1531	8.6	2.6		1615	10.1	3.1
	2134	1.4	0.4		2226	0.0	0.0
2	0345	8.9	2.7	17	0440	9.7	3.0
Sa	1000	0.6	0.2	Su	1051	-0.1	0.0
	1618	8.6	2.6		1713	10.0	3.0
	2224	1.4	0.4		2328	0.2	0.1
3	0432	8.7	2.7	18	0540	9.2	2.8
Su	1050	0.8	0.2	M	1148	0.3	0.1
	1705	8.8	2.7		1810	9.9	3.0
	2318	1.2	0.4				
4	0523	8.6	2.6	19	0030	0.3	0.1
M	1138	0.9	0.3	Tu	0642	8.8	2.7
	1752	9.1	2.8		1246	0.7	0.2
					1908	9.9	3.0
5	0011	0.9	0.3	20	0130	0.3	0.1
Tu	0618	8.6	2.6	W	0742	8.6	2.6
	1229	0.9	0.3		1342	0.9	0.3
	1843	9.5	2.9		2001	9.8	3.0
6	0106	0.5	0.2	21	0226	0.2	0.1
W	0712	8.6	2.6	Th	0840	8.5	2.6
	1320	0.7	0.2		1433	1.0	0.3
	1933	9.9	3.0		2052	9.9	3.0
7	0200	0.0	0.0	22	0317	0.1	0.0
Th	0806	8.8	2.7	F	0932	8.5	2.6
	1414	0.5	0.2		1522	1.0	0.3
	2026	10.4	3.2		2140	9.9	3.0
8	0255	-0.5	-0.2	23	0401	0.0	0.0
F	0901	9.1	2.8	Sa	1015	8.5	2.6
	1506	0.2	0.1		1606	0.9	0.3
	2119	10.9	3.3		2224	9.9	3.0
9	0346	-1.1	-0.3	24	0445	-0.1	0.0
Sa	0956	9.4	2.9	Su	1057	8.6	2.6
	1556	-0.1	0.0		1649	0.9	0.3
	2210	11.3	3.4		2306	9.9	3.0
10	0437	-1.5	-0.5	25	0524	-0.1	0.0
Su	1049	9.7	3.0	M	1138	8.7	2.7
	1648	-0.4	-0.1		1729	0.8	0.2
	2303	11.6	3.5		2345	9.9	3.0
11	0529	-1.8	-0.5	26	0603	-0.1	0.0
M	1142	10.0	3.0	Tu	1215	8.8	2.7
	1741	-0.6	-0.2		1810	0.8	0.2
	2356	11.8	3.6				
12	0621	-1.9	-0.6	27	0023	9.9	3.0
Tu	1235	10.2	3.1	W	0642	-0.1	0.0
	1835	-0.7	-0.2		1253	8.8	2.7
					1850	0.8	0.2
13	0051	11.7	3.6	28	0103	9.8	3.0
W	0713	-1.8	-0.5	Th	0719	0.0	0.0
	1329	10.3	3.1		1332	8.9	2.7
	1930	-0.6	-0.2		1932	0.8	0.2
14	0146	11.4	3.5	29	0143	9.6	2.9
Th	0806	-1.6	-0.5	F	0759	0.1	0.0
	1423	10.3	3.1		1411	8.9	2.7
	2027	-0.5	-0.2		2015	0.9	0.3
15	0242	10.9	3.3	30	0225	9.4	2.9
F	0900	-1.2	-0.4	Sa	0840	0.3	0.1
	1518	10.2	3.1		1453	9.0	2.7
	2125	-0.2	-0.1		2100	0.9	0.3
				31	0308	9.1	2.8
				Su	0921	0.5	0.2
					1536	9.1	2.8
					2148	0.9	0.3

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0357	8.8	2.7	16	0514	8.8	2.7
M	1008	0.8	0.2	Tu	1117	0.8	0.2
	1622	9.2	2.8		1739	9.7	3.0
	2240	0.9	0.3				
2	0448	8.6	2.6	17	0002	0.5	0.2
Tu	1058	0.9	0.3	W	0616	8.4	2.6
	1712	9.4	2.9		1217	1.2	0.4
	2335	0.7	0.2		1836	9.5	2.9
3	0542	8.5	2.6	18	0103	0.6	0.2
W	1150	1.0	0.3	Th	0717	8.2	2.5
	1807	9.6	2.9		1313	1.3	0.4
					1936	9.4	2.9
4	0032	0.4	0.1	19	0202	0.6	0.2
Th	0639	8.5	2.6	F	0816	8.2	2.5
	1248	0.9	0.3		1408	1.3	0.4
	1902	10.0	3.0		2029	9.4	2.9
5	0130	0.0	0.0	20	0253	0.5	0.2
F	0739	8.7	2.7	Sa	0907	8.3	2.5
	1344	0.6	0.2		1459	1.2	0.4
	2000	10.5	3.2		2116	9.5	2.9
6	0229	-0.5	-0.2	21	0338	0.3	0.1
Sa	0837	9.0	2.7	Su	0951	8.5	2.6
	1442	0.2	0.1		1543	1.0	0.3
	2056	10.9	3.3		2201	9.7	3.0
7	0324	-1.1	-0.3	22	0418	0.2	0.1
Su	0935	9.5	2.9	M	1031	8.7	2.7
	1537	-0.3	-0.1		1625	0.8	0.2
	2152	11.4	3.5		2241	9.8	3.0
8	0418	-1.5	-0.5	23	0457	0.0	0.0
M	1029	9.9	3.0	Tu	1110	8.9	2.7
	1631	-0.7	-0.2		1706	0.6	0.2
	2247	11.7	3.6		2319	9.9	3.0
9	0510	-1.9	-0.6	24	0535	-0.1	0.0
Tu	1123	10.3	3.1	W	1146	9.1	2.8
	1726	-1.0	-0.3		1746	0.4	0.1
	2341	11.8	3.6		2358	9.9	3.0
10	0602	-2.0	-0.6	25	0611	-0.1	0.0
W	1216	10.6	3.2	Th	1223	9.2	2.8
	1818	-1.2	-0.4		1824	0.4	0.1
11	0035	11.7	3.6	26	0035	9.8	3.0
Th	0652	-1.9	-0.6	F	0648	-0.1	0.0
	1307	10.8	3.3		1300	9.3	2.8
	1912	-1.1	-0.3		1904	0.3	0.1
12	0127	11.4	3.5	27	0114	9.7	3.0
F	0743	-1.5	-0.5	Sa	0724	0.1	0.0
	1358	10.8	3.3		1337	9.4	2.9
	2006	-0.9	-0.3		1943	0.3	0.1
13	0222	10.8	3.3	28	0155	9.4	2.9
Sa	0833	-1.0	-0.3	Su	0804	0.3	0.1
	1452	10.6	3.2		1415	9.4	2.9
	2102	-0.6	-0.2		2028	0.4	0.1
14	0316	10.1	3.1	29	0237	9.2	2.8
Su	0926	-0.4	-0.1	M	0846	0.5	0.2
	1545	10.3	3.1		1500	9.5	2.9
	2158	-0.2	-0.1		2115	0.4	0.1
15	0414	9.4	2.9	30	0325	8.9	2.7
M	1020	0.2	0.1	Tu	0932	0.8	0.2
	1640	10.0	3.0		1547	9.5	2.9
	2300	0.2	0.1		2206	0.5	0.2
				31	0418	8.6	2.6
				W	1023	1.0	0.3
					1639	9.5	2.9
					2305	0.5	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0514	8.4	2.6	16	0029	0.9	0.3
Th	1121	1.1	0.3	F	0647	8.0	2.4
	1737	9.7	3.0		1243	1.7	0.5
					1901	9.0	2.7
2	0005	0.3	0.1	17	0128	0.9	0.3
F	0615	8.5	2.6	Sa	0743	8.0	2.4
	1221	1.0	0.3		1341	1.6	0.5
	1837	10.0	3.0		1957	9.0	2.7
3	0107	0.0	0.0	18	0221	0.8	0.2
Sa	0717	8.7	2.7	Su	0837	8.3	2.5
	1324	0.7	0.2		1432	1.3	0.4
	1939	10.4	3.2		2047	9.2	2.8
4	0208	-0.5	-0.2	19	0306	0.5	0.2
Su	0819	9.2	2.8	M	0920	8.6	2.6
	1424	0.2	0.1		1519	1.0	0.3
	2039	10.8	3.3		2133	9.5	2.9
5	0306	-1.0	-0.3	20	0348	0.3	0.1
M	0916	9.7	3.0	Tu	1001	8.9	2.7
	1521	-0.4	-0.1		1601	0.6	0.2
	2136	11.3	3.4		2212	9.7	3.0
6	0359	-1.5	-0.5	21	0425	0.1	0.0
Tu	1010	10.3	3.1	W	1038	9.2	2.8
	1617	-1.0	-0.3		1640	0.3	0.1
	2231	11.6	3.5		2252	9.8	3.0
7	0449	-1.8	-0.5	22	0503	-0.1	0.0
W	1102	10.8	3.3	Th	1114	9.5	2.9
	1709	-1.4	-0.4		1718	0.1	0.0
	2324	11.7	3.6		2330	9.8	3.0
8	0540	-1.8	-0.5	23	0539	-0.1	0.0
Th	1153	11.1	3.4	F	1149	9.7	3.0
	1800	-1.6	-0.5		1757	-0.1	0.0
9	0016	11.5	3.5	24	0008	9.8	3.0
F	0628	-1.6	-0.5	Sa	0616	-0.1	0.0
	1242	11.2	3.4		1226	9.8	3.0
	1852	-1.5	-0.5		1836	-0.2	-0.1
10	0108	11.1	3.4	25	0046	9.7	3.0
Sa	0716	-1.2	-0.4	Su	0653	0.1	0.0
	1332	11.0	3.4		1302	9.9	3.0
	1943	-1.2	-0.4		1917	-0.2	-0.1
11	0159	10.5	3.2	26	0127	9.4	2.9
Su	0804	-0.6	-0.2	M	0732	0.3	0.1
	1421	10.7	3.3		1344	9.9	3.0
	2036	-0.8	-0.2		2001	-0.2	-0.1
12	0251	9.8	3.0	27	0212	9.2	2.8
M	0854	0.0	0.0	Tu	0816	0.6	0.2
	1513	10.3	3.1		1427	9.9	3.0
	2131	-0.2	-0.1		2049	0.0	0.0
13	0347	9.1	2.8	28	0300	8.9	2.7
Tu	0947	0.7	0.2	W	0903	0.9	0.3
	1606	9.8	3.0		1516	9.8	3.0
	2227	0.3	0.1		2142	0.1	0.0
14	0443	8.5	2.6	29	0354	8.6	2.6
W	1044	1.3	0.4	Th	0954	1.1	0.3
	1704	9.3	2.8		1613	9.7	3.0
	2328	0.7	0.2		2240	0.2	0.1
15	0544	8.1	2.5	30	0454	8.5	2.6
Th	1143	1.6	0.5	F	1059	1.2	0.4
	1804	9.0	2.7		1714	9.7	3.0
					2343	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0557	8.6	2.6	16	0048	1.1	0.3
Sa	1203	1.0	0.3	Su	0704	8.0	2.4
	1817	9.9	3.0		1307	1.7	0.5
					1920	8.7	2.7
2	0049	-0.1	0.0	17	0141	0.9	0.3
Su	0701	8.9	2.7	M	0755	8.3	2.5
	1307	0.6	0.2		1358	1.3	0.4
	1923	10.2	3.1		2012	8.9	2.7
3	0149	-0.4	-0.1	18	0227	0.7	0.2
M	0802	9.4	2.9	Tu	0842	8.7	2.7
	1410	0.0	0.0		1447	0.9	0.3
	2024	10.6	3.2		2058	9.2	2.8
4	0245	-0.9	-0.3	19	0309	0.4	0.1
Tu	0859	10.0	3.0	W	0922	9.1	2.8
	1507	-0.6	-0.2		1530	0.5	0.2
	2122	10.9	3.3		2140	9.4	2.9
5	0338	-1.2	-0.4	20	0351	0.2	0.1
W	0951	10.6	3.2	Th	1001	9.5	2.9
	1601	-1.2	-0.4		1610	0.0	0.0
	2216	11.1	3.4		2220	9.5	2.9
6	0428	-1.4	-0.4	21	0428	0.0	0.0
Th	1041	11.1	3.4	F	1037	9.9	3.0
	1652	-1.6	-0.5		1650	-0.3	-0.1
	2306	11.1	3.4		2301	9.6	2.9
7	0516	-1.4	-0.4	22	0505	0.0	0.0
F	1129	11.3	3.4	Sa	1115	10.1	3.1
	1742	-1.7	-0.5		1729	-0.6	-0.2
	2357	10.9	3.3		2340	9.6	2.9
8	0603	-1.2	-0.4	23	0544	0.0	0.0
Sa	1217	11.3	3.4	Su	1153	10.3	3.1
	1830	-1.6	-0.5		1811	-0.8	-0.2
9	0045	10.5	3.2	24	0020	9.6	2.9
Su	0648	-0.7	-0.2	M	0623	0.1	0.0
	1303	11.1	3.4		1233	10.4	3.2
	1919	-1.3	-0.4		1853	-0.8	-0.2
10	0135	10.0	3.0	25	0105	9.4	2.9
M	0735	-0.2	-0.1	Tu	0705	0.3	0.1
	1351	10.6	3.2		1316	10.4	3.2
	2007	-0.8	-0.2		1938	-0.7	-0.2
11	0225	9.4	2.9	26	0151	9.2	2.8
Tu	0822	0.5	0.2	W	0751	0.5	0.2
	1440	10.1	3.1		1403	10.3	3.1
	2059	-0.2	-0.1		2028	-0.5	-0.2
12	0317	8.8	2.7	27	0242	8.9	2.7
W	0915	1.1	0.3	Th	0842	0.7	0.2
	1531	9.5	2.9		1456	10.1	3.1
	2154	0.4	0.1		2123	-0.3	-0.1
13	0411	8.3	2.5	28	0337	8.7	2.7
Th	1011	1.5	0.5	F	0939	1.0	0.3
	1627	9.0	2.7		1554	9.9	3.0
	2251	0.8	0.2		2222	-0.1	0.0
14	0509	8.0	2.4	29	0438	8.7	2.7
F	1108	1.8	0.5	Sa	1042	1.0	0.3
	1726	8.7	2.7		1657	9.7	3.0
	2350	1.1	0.3		2325	-0.1	0.0
15	0609	7.9	2.4	30	0542	8.8	2.7
Sa	1208	1.9	0.6	Su	1147	0.9	0.3
	1824	8.6	2.6		1802	9.7	3.0
				31	0028	-0.2	-0.1
				M	0645	9.2	2.8
					1254	0.5	0.2
					1907	9.9	3.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0128	-0.4	-0.1	16	0144	0.8	0.2
Tu	0744	9.7	3.0	W	0757	8.8	2.7
	1357	-0.1	0.0		1410	0.8	0.2
	2008	10.1	3.1		2018	8.8	2.7
2	0224	-0.7	-0.2	17	0227	0.6	0.2
W	0840	10.3	3.1	Th	0840	9.3	2.8
	1453	-0.7	-0.2		1455	0.3	0.1
	2106	10.3	3.1		2103	9.0	2.7
3	0316	-0.9	-0.3	18	0309	0.4	0.1
Th	0932	10.8	3.3	F	0922	9.7	3.0
	1546	-1.2	-0.4		1538	-0.2	-0.1
	2159	10.4	3.2		2146	9.2	2.8
4	0406	-0.9	-0.3	19	0351	0.2	0.1
F	1020	11.1	3.4	Sa	1002	10.1	3.1
	1636	-1.5	-0.5		1621	-0.6	-0.2
	2249	10.4	3.2		2231	9.3	2.8
5	0452	-0.8	-0.2	20	0433	0.0	0.0
Sa	1106	11.2	3.4	Su	1041	10.5	3.2
	1724	-1.6	-0.5		1703	-1.0	-0.3
	2338	10.2	3.1		2312	9.4	2.9
6	0537	-0.6	-0.2	21	0514	0.0	0.0
Su	1152	11.1	3.4	M	1124	10.7	3.3
	1810	-1.5	-0.5		1747	-1.2	-0.4
					2359	9.5	2.9
7	0024	9.9	3.0	22	0558	0.0	0.0
M	0623	-0.2	-0.1	Tu	1208	10.8	3.3
	1236	10.8	3.3		1831	-1.3	-0.4
	1855	-1.1	-0.3				
8	0111	9.4	2.9	23	0045	9.4	2.9
Tu	0706	0.2	0.1	W	0643	0.0	0.0
	1322	10.4	3.2		1255	10.8	3.3
	1942	-0.7	-0.2		1920	-1.2	-0.4
9	0159	9.0	2.7	24	0132	9.3	2.8
W	0752	0.7	0.2	Th	0732	0.2	0.1
	1409	9.9	3.0		1345	10.6	3.2
	2029	-0.2	-0.1		2012	-1.0	-0.3
10	0246	8.5	2.6	25	0226	9.2	2.8
Th	0843	1.2	0.4	F	0827	0.4	0.1
	1457	9.4	2.9		1441	10.4	3.2
	2120	0.3	0.1		2105	-0.8	-0.2
11	0338	8.2	2.5	26	0323	9.1	2.8
F	0934	1.6	0.5	Sa	0923	0.6	0.2
	1550	8.9	2.7		1539	10.1	3.1
	2214	0.7	0.2		2204	-0.5	-0.2
12	0432	8.0	2.4	27	0422	9.1	2.8
Sa	1030	1.8	0.5	Su	1027	0.6	0.2
	1643	8.6	2.6		1642	9.8	3.0
	2306	1.0	0.3		2305	-0.4	-0.1
13	0525	8.0	2.4	28	0524	9.2	2.8
Su	1128	1.8	0.5	M	1133	0.5	0.2
	1741	8.5	2.6		1746	9.6	2.9
14	0002	1.0	0.3	29	0006	-0.3	-0.1
M	0620	8.1	2.5	Tu	0626	9.5	2.9
	1225	1.6	0.5		1238	0.2	0.1
	1837	8.4	2.6		1849	9.5	2.9
15	0054	0.9	0.3	30	0105	-0.3	-0.1
Tu	0711	8.4	2.6	W	0725	9.9	3.0
	1320	1.3	0.4		1341	-0.2	-0.1
	1929	8.6	2.6		1952	9.5	2.9

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0202	-0.3	-0.1	16	0144	0.7	0.2
Th	0821	10.3	3.1	F	0756	9.3	2.8
	1439	-0.7	-0.2		1418	0.3	0.1
	2050	9.6	2.9		2024	8.5	2.6
2	0255	-0.4	-0.1	17	0231	0.5	0.2
F	0911	10.6	3.2	Sa	0842	9.8	3.0
	1532	-1.0	-0.3		1506	-0.3	-0.1
	2143	9.6	2.9		2114	8.8	2.7
3	0344	-0.3	-0.1	18	0316	0.3	0.1
Sa	0959	10.8	3.3	Su	0928	10.2	3.1
	1620	-1.2	-0.4		1552	-0.8	-0.2
	2233	9.5	2.9		2201	9.0	2.7
4	0430	-0.2	-0.1	19	0401	0.1	0.0
Su	1045	10.8	3.3	M	1015	10.6	3.2
	1707	-1.3	-0.4		1639	-1.2	-0.4
	2321	9.4	2.9		2248	9.3	2.8
5	0513	0.0	0.0	20	0448	-0.2	-0.1
M	1129	10.7	3.3	Tu	1101	11.0	3.4
	1750	-1.1	-0.3		1726	-1.5	-0.5
					2338	9.4	2.9
6	0004	9.2	2.8	21	0536	-0.3	-0.1
Tu	0558	0.2	0.1	W	1148	11.2	3.4
	1213	10.5	3.2		1815	-1.7	-0.5
	1834	-0.9	-0.3				
7	0050	9.0	2.7	22	0026	9.6	2.9
W	0641	0.5	0.2	Th	0624	-0.4	-0.1
	1255	10.1	3.1		1239	11.2	3.4
	1916	-0.6	-0.2		1903	-1.7	-0.5
8	0132	8.7	2.7	23	0116	9.6	2.9
Th	0727	0.8	0.2	F	0716	-0.4	-0.1
	1340	9.8	3.0		1332	11.0	3.4
	2001	-0.2	-0.1		1955	-1.5	-0.5
9	0217	8.5	2.6	24	0211	9.6	2.9
F	0812	1.1	0.3	Sa	0812	-0.2	-0.1
	1426	9.4	2.9		1425	10.7	3.3
	2046	0.1	0.0		2048	-1.3	-0.4
10	0304	8.3	2.5	25	0307	9.6	2.9
Sa	0900	1.3	0.4	Su	0909	-0.1	0.0
	1513	9.0	2.7		1523	10.3	3.1
	2134	0.4	0.1		2145	-0.9	-0.3
11	0352	8.2	2.5	26	0403	9.6	2.9
Su	0953	1.5	0.5	M	1011	0.1	0.0
	1603	8.7	2.7		1625	9.8	3.0
	2224	0.7	0.2		2242	-0.6	-0.2
12	0442	8.2	2.5	27	0503	9.7	3.0
M	1046	1.6	0.5	Tu	1115	0.1	0.0
	1656	8.4	2.6		1727	9.4	2.9
	2315	0.8	0.2		2341	-0.3	-0.1
13	0532	8.3	2.5	28	0603	9.8	3.0
Tu	1141	1.5	0.5	W	1220	0.0	0.0
	1748	8.3	2.5		1832	9.1	2.8
14	0006	0.9	0.3	29	0041	0.0	0.0
W	0621	8.5	2.6	Th	0701	9.9	3.0
	1235	1.2	0.4		1323	-0.2	-0.1
	1843	8.3	2.5		1933	8.9	2.7
15	0056	0.9	0.3	30	0138	0.1	0.0
Th	0710	8.9	2.7	F	0757	10.1	3.1
	1328	0.8	0.2		1421	-0.4	-0.1
	1934	8.4	2.6		2034	8.8	2.7
				31	0233	0.2	0.1
				Sa	0851	10.2	3.1
					1514	-0.6	-0.2
					2128	8.8	2.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0209	-1.0	-0.3
	0857	4.6	1.4
	1500	-0.9	-0.3
	2125	3.8	1.2
2 Su	0305	-0.9	-0.3
	0951	4.4	1.3
	1551	-0.7	-0.2
	2219	3.7	1.1
3 M	0400	-0.6	-0.2
	1043	4.1	1.2
	1641	-0.5	-0.2
	2315	3.6	1.1
4 Tu	0459	-0.4	-0.1
	1142	3.7	1.1
	1736	-0.3	-0.1
5 W	0011	3.5	1.1
	0605	-0.1	0.0
	1238	3.4	1.0
	1833	-0.1	0.0
6 Th	0111	3.4	1.0
	0720	0.1	0.0
	1337	3.1	0.9
	1933	0.1	0.0
7 F	0210	3.4	1.0
	0843	0.3	0.1
	1435	2.9	0.9
	2038	0.1	0.0
8 Sa	0309	3.4	1.0
	0957	0.3	0.1
	1531	2.8	0.9
	2138	0.2	0.1
9 Su	0402	3.5	1.1
	1053	0.2	0.1
	1623	2.8	0.9
	2226	0.1	0.0
10 M	0452	3.5	1.1
	1140	0.2	0.1
	1711	2.8	0.9
	2308	0.0	0.0
11 Tu	0537	3.6	1.1
	1215	0.1	0.0
	1757	2.9	0.9
	2346	0.0	0.0
12 W	0620	3.7	1.1
	1247	0.0	0.0
	1839	3.0	0.9
13 Th	0020	-0.1	0.0
	0702	3.7	1.1
	1315	0.0	0.0
	1923	3.1	0.9
14 F	0054	-0.2	-0.1
	0743	3.7	1.1
	1341	-0.1	0.0
	2003	3.1	0.9
15 Sa	0129	-0.2	-0.1
	0823	3.7	1.1
	1410	-0.1	0.0
	2044	3.1	0.9
16 Su	0204	-0.2	-0.1
	0903	3.5	1.1
	1440	-0.1	0.0
	2124	3.0	0.9
17 M	0241	-0.1	0.0
	0942	3.4	1.0
	1513	-0.1	0.0
	2206	3.0	0.9
18 Tu	0320	-0.1	0.0
	1022	3.2	1.0
	1548	-0.1	0.0
	2249	2.9	0.9
19 W	0400	0.0	0.0
	1105	3.0	0.9
	1625	-0.1	0.0
	2333	2.9	0.9
20 Th	0446	0.1	0.0
	1152	2.8	0.9
	1710	0.0	0.0
21 F	0024	2.9	0.9
	0539	0.2	0.1
	1244	2.7	0.8
	1758	0.0	0.0
22 Sa	0117	3.0	0.9
	0639	0.2	0.1
	1341	2.7	0.8
	1855	-0.1	0.0
23 Su	0217	3.2	1.0
	0745	0.2	0.1
	1445	2.7	0.8
	1958	-0.1	0.0
24 M	0318	3.5	1.1
	0859	0.0	0.0
	1545	2.9	0.9
	2107	-0.3	-0.1
25 Tu	0417	3.8	1.2
	1013	-0.2	-0.1
	1644	3.1	0.9
	2213	-0.5	-0.2
26 W	0514	4.1	1.2
	1116	-0.5	-0.2
	1738	3.4	1.0
	2316	-0.8	-0.2
27 Th	0607	4.4	1.3
	1214	-0.7	-0.2
	1833	3.7	1.1
28 F	0014	-1.0	-0.3
	0659	4.6	1.4
	1305	-0.9	-0.3
	1924	3.9	1.2
29 Sa	0110	-1.1	-0.3
	0750	4.6	1.4
	1354	-1.0	-0.3
	2015	4.0	1.2
30 Su	0204	-1.1	-0.3
	0840	4.5	1.4
	1442	-1.0	-0.3
	2106	4.1	1.2
31 M	0256	-1.0	-0.3
	0932	4.3	1.3
	1527	-0.9	-0.3
	2156	4.0	1.2

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0345	-0.8	-0.2
	1022	4.0	1.2
	1612	-0.7	-0.2
	2248	3.8	1.2
2 W	0438	-0.5	-0.2
	1113	3.6	1.1
	1659	-0.4	-0.1
	2340	3.6	1.1
3 Th	0534	-0.2	-0.1
	1206	3.2	1.0
	1747	-0.1	0.0
4 F	0036	3.4	1.0
	0635	0.2	0.1
	1301	2.9	0.9
	1836	0.1	0.0
5 Sa	0135	3.2	1.0
	0752	0.4	0.1
	1359	2.6	0.8
	1936	0.3	0.1
6 Su	0233	3.1	0.9
	0920	0.5	0.2
	1457	2.5	0.8
	2045	0.4	0.1
7 M	0331	3.1	0.9
	1031	0.5	0.2
	1554	2.5	0.8
	2154	0.4	0.1
8 Tu	0423	3.2	1.0
	1124	0.4	0.1
	1646	2.6	0.8
	2246	0.3	0.1
9 W	0512	3.3	1.0
	1159	0.3	0.1
	1733	2.8	0.9
	2332	0.1	0.0
10 Th	0557	3.4	1.0
	1227	0.1	0.0
	1817	3.0	0.9
11 F	0007	0.0	0.0
	0641	3.5	1.1
	1252	0.0	0.0
	1859	3.1	0.9
12 Sa	0041	-0.2	-0.1
	0721	3.6	1.1
	1318	-0.1	0.0
	1940	3.2	1.0
13 Su	0115	-0.3	-0.1
	0759	3.6	1.1
	1344	-0.2	-0.1
	2019	3.3	1.0
14 M	0149	-0.3	-0.1
	0838	3.6	1.1
	1414	-0.3	-0.1
	2058	3.3	1.0
15 Tu	0224	-0.4	-0.1
	0916	3.5	1.1
	1446	-0.3	-0.1
	2135	3.3	1.0
16 W	0300	-0.3	-0.1
	0956	3.3	1.0
	1519	-0.3	-0.1
	2214	3.3	1.0
17 Th	0340	-0.3	-0.1
	1035	3.1	0.9
	1556	-0.3	-0.1
	2257	3.2	1.0
18 F	0424	-0.2	-0.1
	1120	2.9	0.9
	1638	-0.2	-0.1
	2347	3.2	1.0
19 Sa	0514	-0.1	0.0
	1211	2.7	0.8
	1726	-0.2	-0.1
20 Su	0043	3.2	1.0
	0611	0.1	0.0
	1311	2.6	0.8
	1824	-0.1	0.0
21 M	0148	3.3	1.0
	0719	0.1	0.0
	1417	2.6	0.8
	1929	-0.1	0.0
22 Tu	0253	3.4	1.0
	0839	0.1	0.0
	1525	2.8	0.9
	2045	-0.2	-0.1
23 W	0357	3.7	1.1
	0957	-0.1	0.0
	1626	3.1	0.9
	2200	-0.4	-0.1
24 Th	0455	4.0	1.2
	1103	-0.4	-0.1
	1722	3.5	1.1
	2308	-0.7	-0.2
25 F	0551	4.2	1.3
	1159	-0.7	-0.2
	1815	3.8	1.2
26 Sa	0009	-0.9	-0.3
	0643	4.4	1.3
	1249	-0.9	-0.3
	1906	4.1	1.2
27 Su	0103	-1.1	-0.3
	0732	4.4	1.3
	1335	-1.0	-0.3
	1955	4.3	1.3
28 M	0152	-1.1	-0.3
	0821	4.4	1.3
	1418	-1.0	-0.3
	2043	4.3	1.3

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0242	-1.0	-0.3
	0908	4.1	1.2
	1500	-0.9	-0.3
	2129	4.2	1.3
2 W	0327	-0.8	-0.2
	0956	3.8	1.2
	1540	-0.6	-0.2
	2219	4.0	1.2
3 Th	0412	-0.5	-0.2
	1043	3.4	1.0
	1619	-0.4	-0.1
	2307	3.7	1.1
4 F	0457	-0.1	0.0
	1133	3.1	0.9
	1659	-0.1	0.0
5 Sa	0000	3.4	1.0
	0547	0.2	0.1
	1224	2.7	0.8
	1742	0.2	0.1
6 Su	0056	3.1	0.9
	0643	0.5	0.2
	1322	2.5	0.8
	1832	0.4	0.1
7 M	0156	2.9	0.9
	0807	0.7	0.2
	1424	2.4	0.7
	1937	0.6	0.2
8 Tu	0256	2.9	0.9
	0954	0.7	0.2
	1522	2.4	0.7
	2107	0.6	0.2
9 W	0352	2.9	0.9
	1049	0.6	0.2
	1616	2.6	0.8
	2221	0.5	0.2
10 Th	0444	3.1	0.9
	1124	0.4	0.1
	1706	2.8	0.9
	2311	0.3	0.1
11 F	0529	3.2	1.0
	1151	0.2	0.1
	1751	3.1	0.9
	2345	0.0	0.0
12 Sa	0613	3.4	1.0
	1217	0.0	0.0
	1833	3.3	1.0
13 Su	0020	-0.2	-0.1
	0654	3.5	1.1
	1243	-0.2	-0.1
	1911	3.5	1.1
14 M	0054	-0.3	-0.1
	0732	3.6	1.1
	1312	-0.3	-0.1
	1950	3.6	1.1
15 Tu	0128	-0.5	-0.2
	0810	3.6	1.1
	1344	-0.4	-0.1
	2028	3.7	1.1
16 W	0203	-0.5	-0.2
	0849	3.5	1.1
	1417	-0.5	-0.2
	2108	3.7	1.1
17 Th	0242	-0.5	-0.2
	0927	3.4	1.0
	1452	-0.5	-0.2
	2147	3.7	1.1
18 F	0321	-0.5	-0.2
	1009	3.2	1.0
	1531	-0.4	-0.1
	2232	3.6	1.1
19 Sa	0407	-0.3	-0.1
	1057	3.0	0.9
	1612	-0.3	-0.1
	2321	3.5	1.1
20 Su	0457	-0.2	-0.1
	1150	2.8	0.9
	1704	-0.2	-0.1
21 M	0019	3.4	1.0
	0555	0.0	0.0
	1254	2.7	0.8
	1803	-0.1	0.0
22 Tu	0125	3.4	1.0
	0704	0.1	0.0
	1400	2.7	0.8
	1913	0.0	0.0
23 W	0233	3.4	1.0
	0824	0.1	0.0
	1509	2.9	0.9
	2035	0.0	0.0
24 Th	0338	3.6	1.1
	0942	-0.1	0.0
	1610	3.3	1.0
	2159	-0.3	-0.1
25 F	0437	3.8	1.2
	1047	-0.3	-0.1
	1706	3.7	1.1
	2308	-0.6	-0.2
26 Sa	0533	4.0	1.2
	1141	-0.6	-0.2
	1757	4.0	1.2
27 Su	0004	-0.8	-0.2
	0625	4.2	1.3
	1228	-0.8	-0.2
	1846	4.3	1.3
28 M	0054	-1.0	-0.3
	0712	4.2	1.3
	1310	-0.8	-0.2
	1932	4.4	1.3
29 Tu	0140	-1.0	-0.3
	0759	4.1	1.2
	1350	-0.8	-0.2
	2018	4.4	1.3
30 W	0224	-0.9	-0.3
	0844	3.9	1.2
	1427	-0.7	-0.2
	2103	4.3	1.3
31 Th	0303	-0.7	-0.2
	0927	3.6	1.1
	1503	-0.5	-0.2
	2148	4.0	1.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0345	-0.4	-0.1	16	0308	-0.6	-0.2
F	1013	3.3	1.0	Sa	0950	3.3	1.0
	1540	-0.2	-0.1		1510	-0.5	-0.2
	2235	3.7	1.1		2211	4.0	1.2
2	0422	-0.1	0.0	17	0355	-0.4	-0.1
Sa	1100	3.0	0.9	Su	1041	3.1	0.9
	1617	0.0	0.0		1556	-0.3	-0.1
	2323	3.4	1.0		2304	3.8	1.2
3	0503	0.3	0.1	18	0446	-0.2	-0.1
Su	1152	2.7	0.8	M	1139	3.0	0.9
	1657	0.3	0.1		1649	-0.1	0.0
4	0018	3.1	0.9	19	0003	3.6	1.1
M	0548	0.5	0.2	Tu	0546	0.0	0.0
	1248	2.5	0.8		1240	2.9	0.9
	1744	0.6	0.2		1755	0.1	0.0
5	0116	2.9	0.9	20	0109	3.5	1.1
Tu	0644	0.7	0.2	W	0655	0.1	0.0
	1349	2.4	0.7		1348	3.0	0.9
	1845	0.7	0.2		1910	0.1	0.0
6	0216	2.8	0.9	21	0216	3.5	1.1
W	0803	0.8	0.2	Th	0814	0.1	0.0
	1449	2.5	0.8		1453	3.2	1.0
	2006	0.8	0.2		2038	0.1	0.0
7	0314	2.8	0.9	22	0320	3.6	1.1
Th	0933	0.7	0.2	F	0928	-0.1	0.0
	1544	2.7	0.8		1552	3.5	1.1
	2134	0.6	0.2		2159	-0.1	0.0
8	0407	2.9	0.9	23	0418	3.7	1.1
F	1021	0.5	0.2	Sa	1029	-0.2	-0.1
	1634	2.9	0.9		1647	3.9	1.2
	2231	0.4	0.1		2303	-0.4	-0.1
9	0455	3.1	0.9	24	0514	3.8	1.2
Sa	1055	0.3	0.1	Su	1119	-0.4	-0.1
	1719	3.2	1.0		1737	4.2	1.3
	2314	0.2	0.1		2356	-0.6	-0.2
10	0540	3.3	1.0	25	0602	3.9	1.2
Su	1129	0.0	0.0	M	1201	-0.5	-0.2
	1801	3.5	1.1		1823	4.4	1.3
	2351	-0.1	0.0				
11	0622	3.5	1.1	26	0042	-0.7	-0.2
M	1201	-0.2	-0.1	Tu	0649	3.9	1.2
	1840	3.7	1.1		1243	-0.6	-0.2
					1909	4.5	1.4
12	0029	-0.3	-0.1	27	0124	-0.7	-0.2
Tu	0702	3.6	1.1	W	0734	3.8	1.2
	1233	-0.4	-0.1		1319	-0.6	-0.2
	1920	3.9	1.2		1953	4.5	1.4
13	0106	-0.5	-0.2	28	0205	-0.6	-0.2
W	0743	3.6	1.1	Th	0818	3.6	1.1
	1310	-0.5	-0.2		1356	-0.4	-0.1
	1959	4.1	1.2		2037	4.3	1.3
14	0144	-0.6	-0.2	29	0239	-0.4	-0.1
Th	0822	3.5	1.1	F	0902	3.4	1.0
	1347	-0.5	-0.2		1431	-0.3	-0.1
	2039	4.1	1.2		2121	4.0	1.2
15	0224	-0.6	-0.2	30	0316	-0.2	-0.1
F	0906	3.4	1.0	Sa	0945	3.2	1.0
	1426	-0.5	-0.2		1506	-0.1	0.0
	2124	4.1	1.2		2204	3.7	1.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0351	0.1	0.0	16	0345	-0.5	-0.2
Su	1030	3.0	0.9	M	1028	3.4	1.0
	1542	0.2	0.1		1548	-0.3	-0.1
	2251	3.4	1.0		2249	4.1	1.2
2	0427	0.3	0.1	17	0441	-0.3	-0.1
M	1121	2.8	0.9	Tu	1125	3.3	1.0
	1622	0.4	0.1		1645	-0.1	0.0
	2342	3.1	0.9		2350	3.9	1.2
3	0507	0.5	0.2	18	0539	-0.1	0.0
Tu	1216	2.6	0.8	W	1227	3.3	1.0
	1707	0.6	0.2		1752	0.1	0.0
4	0037	2.9	0.9	19	0053	3.7	1.1
W	0557	0.6	0.2	Th	0645	0.0	0.0
	1314	2.6	0.8		1332	3.4	1.0
	1806	0.8	0.2		1912	0.2	0.1
5	0136	2.8	0.9	20	0156	3.6	1.1
Th	0656	0.7	0.2	F	0755	0.0	0.0
	1412	2.6	0.8		1432	3.6	1.1
	1912	0.8	0.2		2038	0.2	0.1
6	0233	2.8	0.9	21	0259	3.5	1.1
F	0759	0.7	0.2	Sa	0904	0.0	0.0
	1507	2.8	0.9		1530	3.8	1.2
	2031	0.8	0.2		2152	0.0	0.0
7	0327	2.9	0.9	22	0357	3.5	1.1
Sa	0859	0.5	0.2	Su	1002	-0.1	0.0
	1557	3.1	0.9		1623	4.0	1.2
	2138	0.5	0.2		2255	-0.2	-0.1
8	0416	3.0	0.9	23	0450	3.6	1.1
Su	0950	0.3	0.1	M	1050	-0.2	-0.1
	1642	3.4	1.0		1714	4.2	1.3
	2231	0.3	0.1		2345	-0.3	-0.1
9	0503	3.2	1.0	24	0538	3.6	1.1
M	1034	0.1	0.0	Tu	1135	-0.2	-0.1
	1725	3.7	1.1		1800	4.4	1.3
	2316	0.0	0.0				
10	0547	3.4	1.0	25	0028	-0.3	-0.1
Tu	1117	-0.1	0.0	W	0626	3.6	1.1
	1807	4.0	1.2		1214	-0.3	-0.1
	2359	-0.3	-0.1		1846	4.4	1.3
11	0630	3.5	1.1	26	0108	-0.3	-0.1
W	1156	-0.3	-0.1	Th	0709	3.5	1.1
	1850	4.2	1.3		1250	-0.2	-0.1
					1928	4.4	1.3
12	0041	-0.5	-0.2	27	0145	-0.2	-0.1
Th	0713	3.6	1.1	F	0753	3.4	1.0
	1237	-0.5	-0.2		1325	-0.2	-0.1
	1932	4.4	1.3		2013	4.2	1.3
13	0123	-0.6	-0.2	28	0218	-0.1	0.0
F	0759	3.6	1.1	Sa	0836	3.3	1.0
	1322	-0.6	-0.2		1400	0.0	0.0
	2018	4.4	1.3		2055	4.0	1.2
14	0209	-0.7	-0.2	29	0250	0.0	0.0
Sa	0844	3.5	1.1	Su	0919	3.2	1.0
	1408	-0.5	-0.2		1436	0.1	0.0
	2104	4.4	1.3		2137	3.8	1.2
15	0255	-0.6	-0.2	30	0323	0.2	0.1
Su	0934	3.5	1.1	M	1005	3.0	0.9
	1455	-0.4	-0.1		1514	0.3	0.1
	2155	4.3	1.3		2222	3.5	1.1
				31	0358	0.3	0.1
				Tu	1054	2.9	0.9
					1553	0.5	0.2
					2309	3.2	1.0

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0436	0.4	0.1	16	0526	-0.2	-0.1
W	1142	2.8	0.9	Th	1208	3.7	1.1
	1638	0.7	0.2		1750	0.1	0.0
	2358	3.0	0.9				
2	0518	0.5	0.2	17	0033	3.8	1.2
Th	1237	2.8	0.9	F	0627	0.0	0.0
	1731	0.8	0.2		1309	3.7	1.1
					1904	0.2	0.1
3	0051	2.9	0.9	18	0133	3.6	1.1
F	0606	0.6	0.2	Sa	0730	0.1	0.0
	1330	2.9	0.9		1409	3.8	1.2
	1829	0.8	0.2		2025	0.3	0.1
4	0146	2.8	0.9	19	0235	3.4	1.0
Sa	0701	0.5	0.2	Su	0832	0.1	0.0
	1423	3.0	0.9		1507	3.9	1.2
	1935	0.8	0.2		2139	0.2	0.1
5	0241	2.9	0.9	20	0330	3.3	1.0
Su	0756	0.5	0.2	M	0930	0.1	0.0
	1514	3.2	1.0		1600	4.1	1.2
	2043	0.6	0.2		2242	0.2	0.1
6	0334	3.0	0.9	21	0424	3.3	1.0
M	0851	0.3	0.1	Tu	1021	0.1	0.0
	1602	3.5	1.1		1650	4.2	1.3
	2144	0.4	0.1		2332	0.1	0.0
7	0423	3.1	0.9	22	0514	3.3	1.0
Tu	0944	0.1	0.0	W	1107	0.1	0.0
	1648	3.9	1.2		1738	4.2	1.3
	2239	0.1	0.0				
8	0511	3.3	1.0	23	0017	0.1	0.0
W	1034	-0.1	0.0	Th	0601	3.3	1.0
	1735	4.2	1.3		1149	0.1	0.0
	2329	-0.2	-0.1		1823	4.3	1.3
9	0559	3.4	1.0	24	0053	0.0	0.0
Th	1124	-0.3	-0.1	F	0646	3.3	1.0
	1822	4.5	1.4		1225	0.1	0.0
					1907	4.2	1.3
10	0017	-0.4	-0.1	25	0126	0.1	0.0
F	0648	3.6	1.1	Sa	0730	3.3	1.0
	1212	-0.5	-0.2		1300	0.1	0.0
	1909	4.6	1.4		1949	4.1	1.2
11	0106	-0.6	-0.2	26	0157	0.1	0.0
Sa	0736	3.7	1.1	Su	0812	3.3	1.0
	1302	-0.6	-0.2		1336	0.2	0.1
	1957	4.7	1.4		2030	4.0	1.2
12	0155	-0.6	-0.2	27	0226	0.1	0.0
Su	0826	3.7	1.1	M	0856	3.3	1.0
	1352	-0.6	-0.2		1413	0.2	0.1
	2047	4.7	1.4		2113	3.8	1.2
13	0245	-0.6	-0.2	28	0258	0.2	0.1
M	0919	3.7	1.1	Tu	0940	3.2	1.0
	1445	-0.5	-0.2		1452	0.4	0.1
	2140	4.5	1.4		2155	3.6	1.1
14	0337	-0.5	-0.2	29	0332	0.3	0.1
Tu	1012	3.7	1.1	W	1024	3.1	0.9
	1540	-0.3	-0.1		1532	0.5	0.2
	2235	4.3	1.3		2238	3.4	1.0
15	0430	-0.4	-0.1	30	0404	0.3	0.1
W	1110	3.7	1.1	Th	1110	3.1	0.9
	1641	-0.1	0.0		1612	0.6	0.2
	2333	4.1	1.2		2322	3.2	1.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0443	0.4	0.1	16	0008	3.8	1.2
F	1158	3.0	0.9	Sa	0558	-0.1	0.0
	1659	0.7	0.2		1242	4.0	1.2
					1845	0.3	0.1
2	0011	3.0	0.9	17	0105	3.5	1.1
Sa	0526	0.4	0.1	Su	0655	0.1	0.0
	1248	3.1	0.9		1340	3.9	1.2
	1752	0.7	0.2		2003	0.4	0.1
3	0101	2.9	0.9	18	0205	3.3	1.0
Su	0613	0.4	0.1	M	0755	0.3	0.1
	1339	3.2	1.0		1439	3.9	1.2
	1850	0.7	0.2		2122	0.5	0.2
4	0156	2.9	0.9	19	0302	3.1	0.9
M	0704	0.4	0.1	Tu	0856	0.4	0.1
	1432	3.4	1.0		1533	3.9	1.2
	1954	0.6	0.2		2229	0.5	0.2
5	0251	2.9	0.9	20	0359	3.1	0.9
Tu	0803	0.3	0.1	W	0954	0.4	0.1
	1523	3.7	1.1		1626	4.0	1.2
	2059	0.5	0.2		2323	0.4	0.1
6	0346	3.0	0.9	21	0450	3.1	0.9
W	0901	0.1	0.0	Th	1044	0.4	0.1
	1615	4.0	1.2		1716	4.0	1.2
	2205	0.2	0.1				
7	0441	3.2	1.0	22	0004	0.4	0.1
Th	0959	-0.1	0.0	F	0538	3.2	1.0
	1707	4.3	1.3		1128	0.3	0.1
	2303	0.0	0.0		1801	4.1	1.2
8	0533	3.4	1.0	23	0041	0.3	0.1
F	1058	-0.3	-0.1	Sa	0624	3.3	1.0
	1757	4.6	1.4		1209	0.3	0.1
	2357	-0.3	-0.1		1845	4.1	1.2
9	0625	3.7	1.1	24	0106	0.3	0.1
Sa	1152	-0.4	-0.1	Su	0708	3.4	1.0
	1849	4.8	1.5		1244	0.2	0.1
					1926	4.1	1.2
10	0051	-0.5	-0.2	25	0135	0.2	0.1
Su	0717	3.9	1.2	M	0750	3.4	1.0
	1248	-0.6	-0.2		1319	0.2	0.1
	1940	4.9	1.5		2007	4.0	1.2
11	0141	-0.6	-0.2	26	0202	0.2	0.1
M	0808	4.0	1.2	Tu	0831	3.5	1.1
	1343	-0.6	-0.2		1354	0.2	0.1
	2031	4.9	1.5		2047	3.9	1.2
12	0232	-0.7	-0.2	27	0231	0.2	0.1
Tu	0900	4.1	1.2	W	0911	3.5	1.1
	1438	-0.5	-0.2		1431	0.3	0.1
	2124	4.7	1.4		2127	3.7	1.1
13	0321	-0.6	-0.2	28	0302	0.2	0.1
W	0954	4.1	1.2	Th	0953	3.4	1.0
	1535	-0.4	-0.1		1508	0.4	0.1
	2217	4.5	1.4		2206	3.5	1.1
14	0412	-0.5	-0.2	29	0334	0.2	0.1
Th	1049	4.1	1.2	F	1035	3.4	1.0
	1633	-0.2	-0.1		1548	0.4	0.1
	2312	4.2	1.3		2248	3.3	1.0
15	0504	-0.3	-0.1	30	0408	0.2	0.1
F	1144	4.1	1.2	Sa	1118	3.3	1.0
	1736	0.1	0.0		1630	0.5	0.2
					2331	3.1	0.9
				31	0449	0.3	0.1
				Su	1206	3.3	1.0
					1718	0.6	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0021	3.0	0.9	16	0135	3.1	0.9
M	0533	0.3	0.1	Tu	0712	0.5	0.2
	1257	3.4	1.0		1409	3.7	1.1
	1813	0.6	0.2		2059	0.7	0.2
2	0114	2.9	0.9	17	0235	2.9	0.9
Tu	0624	0.3	0.1	W	0817	0.6	0.2
	1353	3.5	1.1		1507	3.7	1.1
	1917	0.6	0.2		2213	0.7	0.2
3	0214	2.9	0.9	18	0333	2.9	0.9
W	0724	0.3	0.1	Th	0930	0.7	0.2
	1449	3.7	1.1		1602	3.7	1.1
	2027	0.5	0.2		2308	0.6	0.2
4	0316	3.0	0.9	19	0426	3.0	0.9
Th	0829	0.2	0.1	F	1031	0.6	0.2
	1549	4.0	1.2		1652	3.7	1.1
	2136	0.3	0.1		2346	0.5	0.2
5	0416	3.2	1.0	20	0516	3.1	0.9
F	0934	0.0	0.0	Sa	1116	0.5	0.2
	1644	4.3	1.3		1738	3.8	1.2
	2244	0.0	0.0				
6	0512	3.5	1.1	21	0018	0.4	0.1
Sa	1039	-0.2	-0.1	Su	0601	3.3	1.0
	1738	4.6	1.4		1153	0.4	0.1
	2341	-0.3	-0.1		1822	3.9	1.2
7	0607	3.8	1.2	22	0044	0.3	0.1
Su	1140	-0.4	-0.1	M	0644	3.5	1.1
	1831	4.8	1.5		1230	0.3	0.1
					1902	4.0	1.2
8	0036	-0.5	-0.2	23	0108	0.2	0.1
M	0658	4.1	1.2	Tu	0724	3.6	1.1
	1239	-0.6	-0.2		1302	0.2	0.1
	1922	4.9	1.5		1941	4.0	1.2
9	0125	-0.7	-0.2	24	0133	0.1	0.0
Tu	0750	4.3	1.3	W	0804	3.7	1.1
	1334	-0.7	-0.2		1336	0.1	0.0
	2013	4.9	1.5		2020	3.9	1.2
10	0213	-0.7	-0.2	25	0159	0.0	0.0
W	0840	4.5	1.4	Th	0842	3.7	1.1
	1428	-0.7	-0.2		1409	0.1	0.0
	2103	4.7	1.4		2058	3.8	1.2
11	0300	-0.7	-0.2	26	0228	0.0	0.0
Th	0932	4.5	1.4	F	0919	3.7	1.1
	1522	-0.5	-0.2		1445	0.2	0.1
	2154	4.5	1.4		2137	3.6	1.1
12	0348	-0.5	-0.2	27	0300	0.0	0.0
F	1024	4.4	1.3	Sa	1001	3.6	1.1
	1616	-0.3	-0.1		1522	0.2	0.1
	2246	4.1	1.2		2214	3.4	1.0
13	0433	-0.3	-0.1	28	0336	0.1	0.0
Sa	1116	4.3	1.3	Su	1041	3.6	1.1
	1712	0.0	0.0		1604	0.3	0.1
	2339	3.7	1.1		2257	3.2	1.0
14	0521	0.0	0.0	29	0414	0.1	0.0
Su	1212	4.1	1.2	M	1127	3.5	1.1
	1815	0.4	0.1		1651	0.4	0.1
					2344	3.0	0.9
15	0035	3.4	1.0	30	0459	0.2	0.1
M	0611	0.3	0.1	Tu	1219	3.5	1.1
	1311	3.9	1.2		1744	0.5	0.2
	1930	0.6	0.2				
				31	0043	2.8	0.9
				W	0552	0.3	0.1
					1319	3.6	1.1
					1848	0.6	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0147	2.8	0.9	16	0305	2.8	0.9
Th	0653	0.3	0.1	F	0901	0.9	0.3
	1423	3.7	1.1		1534	3.4	1.0
	2000	0.5	0.2		2239	0.8	0.2
2	0253	3.0	0.9	17	0400	2.9	0.9
F	0804	0.3	0.1	Sa	1015	0.8	0.2
	1525	3.9	1.2		1624	3.5	1.1
	2117	0.3	0.1		2322	0.6	0.2
3	0357	3.3	1.0	18	0450	3.1	0.9
Sa	0920	0.1	0.0	Su	1100	0.6	0.2
	1626	4.2	1.3		1711	3.6	1.1
	2229	0.0	0.0		2347	0.5	0.2
4	0453	3.6	1.1	19	0535	3.3	1.0
Su	1031	-0.2	-0.1	M	1137	0.4	0.1
	1720	4.5	1.4		1753	3.7	1.1
	2325	-0.3	-0.1				
5	0548	4.0	1.2	20	0007	0.3	0.1
M	1135	-0.5	-0.2	Tu	0617	3.6	1.1
	1814	4.7	1.4		1209	0.2	0.1
					1833	3.8	1.2
6	0017	-0.6	-0.2	21	0030	0.1	0.0
Tu	0639	4.4	1.3	W	0655	3.8	1.2
	1230	-0.7	-0.2		1241	0.1	0.0
	1903	4.8	1.5		1914	3.9	1.2
7	0105	-0.7	-0.2	22	0057	0.0	0.0
W	0729	4.6	1.4	Th	0733	3.9	1.2
	1323	-0.8	-0.2		1313	0.0	0.0
	1953	4.8	1.5		1951	3.8	1.2
8	0150	-0.8	-0.2	23	0124	-0.1	0.0
Th	0818	4.7	1.4	F	0812	3.9	1.2
	1414	-0.7	-0.2		1346	-0.1	0.0
	2041	4.6	1.4		2030	3.7	1.1
9	0234	-0.7	-0.2	24	0157	-0.2	-0.1
F	0906	4.7	1.4	Sa	0848	3.9	1.2
	1503	-0.6	-0.2		1422	-0.1	0.0
	2129	4.3	1.3		2107	3.6	1.1
10	0316	-0.5	-0.2	25	0229	-0.2	-0.1
Sa	0956	4.5	1.4	Su	0927	3.9	1.2
	1551	-0.3	-0.1		1502	0.0	0.0
	2219	3.9	1.2		2148	3.4	1.0
11	0358	-0.3	-0.1	26	0306	-0.1	0.0
Su	1046	4.3	1.3	M	1009	3.8	1.2
	1641	0.1	0.0		1543	0.1	0.0
	2310	3.5	1.1		2230	3.1	0.9
12	0441	0.1	0.0	27	0345	0.0	0.0
M	1140	4.0	1.2	Tu	1057	3.7	1.1
	1737	0.4	0.1		1630	0.2	0.1
					2321	2.9	0.9
13	0005	3.2	1.0	28	0433	0.1	0.0
Tu	0528	0.4	0.1	W	1153	3.6	1.1
	1237	3.7	1.1		1725	0.4	0.1
	1844	0.7	0.2				
14	0103	2.9	0.9	29	0021	2.8	0.9
W	0619	0.6	0.2	Th	0528	0.2	0.1
	1336	3.5	1.1		1255	3.6	1.1
	2020	0.9	0.3		1829	0.5	0.2
15	0205	2.8	0.9	30	0129	2.8	0.9
Th	0728	0.8	0.2	F	0636	0.3	0.1
	1437	3.4	1.0		1403	3.7	1.1
	2146	0.9	0.3		1946	0.4	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0237	3.0	0.9	16	0330	2.9	0.9
Sa	0754	0.3	0.1	Su	0936	0.8	0.2
	1508	3.8	1.2		1552	3.2	1.0
	2104	0.2	0.1		2229	0.6	0.2
2	0341	3.4	1.0	17	0418	3.1	0.9
Su	0915	0.1	0.0	M	1031	0.6	0.2
	1607	4.0	1.2		1639	3.3	1.0
	2213	0.0	0.0		2255	0.4	0.1
3	0437	3.8	1.2	18	0503	3.4	1.0
M	1029	-0.2	-0.1	Tu	1106	0.4	0.1
	1703	4.3	1.3		1722	3.5	1.1
	2308	-0.3	-0.1		2319	0.2	0.1
4	0529	4.2	1.3	19	0545	3.6	1.1
Tu	1129	-0.5	-0.2	W	1137	0.2	0.1
	1755	4.4	1.3		1803	3.6	1.1
	2356	-0.6	-0.2		2348	0.0	0.0
5	0620	4.5	1.4	20	0625	3.8	1.2
W	1222	-0.7	-0.2	Th	1212	0.0	0.0
	1844	4.5	1.4		1842	3.7	1.1
6	0041	-0.7	-0.2	21	0018	-0.2	-0.1
Th	0707	4.8	1.5	F	0702	4.0	1.2
	1312	-0.8	-0.2		1247	-0.2	-0.1
	1931	4.4	1.3		1921	3.7	1.1
7	0124	-0.8	-0.2	22	0051	-0.3	-0.1
F	0754	4.8	1.5	Sa	0742	4.1	1.2
	1358	-0.7	-0.2		1323	-0.3	-0.1
	2017	4.3	1.3		2000	3.6	1.1
8	0203	-0.7	-0.2	23	0127	-0.4	-0.1
Sa	0840	4.7	1.4	Su	0821	4.2	1.3
	1442	-0.5	-0.2		1401	-0.3	-0.1
	2103	4.0	1.2		2042	3.5	1.1
9	0244	-0.5	-0.2	24	0202	-0.4	-0.1
Su	0927	4.5	1.4	M	0901	4.1	1.2
	1527	-0.3	-0.1		1442	-0.2	-0.1
	2151	3.6	1.1		2123	3.3	1.0
10	0321	-0.2	-0.1	25	0242	-0.3	-0.1
M	1017	4.2	1.3	Tu	0946	4.0	1.2
	1611	0.1	0.0		1526	-0.1	0.0
	2240	3.3	1.0		2211	3.1	0.9
11	0403	0.1	0.0	26	0327	-0.2	-0.1
Tu	1107	3.8	1.2	W	1037	3.9	1.2
	1656	0.4	0.1		1616	0.0	0.0
	2331	3.0	0.9		2305	3.0	0.9
12	0444	0.4	0.1	27	0417	0.0	0.0
W	1202	3.5	1.1	Th	1133	3.7	1.1
	1749	0.7	0.2		1713	0.2	0.1
13	0031	2.7	0.8	28	0008	2.9	0.9
Th	0534	0.7	0.2	F	0518	0.1	0.0
	1259	3.2	1.0		1236	3.6	1.1
	1903	0.9	0.3		1819	0.3	0.1
14	0131	2.6	0.8	29	0115	3.0	0.9
F	0639	0.9	0.3	Sa	0627	0.3	0.1
	1359	3.1	0.9		1343	3.6	1.1
	2050	0.9	0.3		1933	0.2	0.1
15	0235	2.7	0.8	30	0220	3.2	1.0
Sa	0808	0.9	0.3	Su	0751	0.2	0.1
	1459	3.1	0.9		1449	3.7	1.1
	2154	0.8	0.2		2049	0.1	0.0
				31	0322	3.5	1.1
				M	0914	0.1	0.0
					1549	3.8	1.2
					2152	-0.1	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0418	3.9	1.2	16	0427	3.3	1.0
Tu	1023	-0.2	-0.1	W	1021	0.4	0.1
	1644	3.9	1.2		1645	3.2	1.0
	2247	-0.4	-0.1		2223	0.2	0.1
2	0511	4.3	1.3	17	0511	3.6	1.1
W	1122	-0.5	-0.2	Th	1100	0.2	0.1
	1735	4.0	1.2		1729	3.3	1.0
	2332	-0.6	-0.2		2303	-0.1	0.0
3	0559	4.5	1.4	18	0551	3.8	1.2
Th	1212	-0.6	-0.2	F	1140	-0.1	0.0
	1822	4.1	1.2		1812	3.4	1.0
					2340	-0.3	-0.1
4	0017	-0.7	-0.2	19	0633	4.1	1.2
F	0646	4.7	1.4	Sa	1221	-0.3	-0.1
	1259	-0.7	-0.2		1854	3.5	1.1
	1908	4.0	1.2				
5	0056	-0.7	-0.2	20	0020	-0.4	-0.1
Sa	0732	4.7	1.4	Su	0713	4.2	1.3
	1341	-0.6	-0.2		1303	-0.4	-0.1
	1954	3.9	1.2		1935	3.5	1.1
6	0137	-0.6	-0.2	21	0059	-0.5	-0.2
Su	0817	4.6	1.4	M	0756	4.3	1.3
	1421	-0.4	-0.1		1344	-0.5	-0.2
	2038	3.7	1.1		2018	3.4	1.0
7	0213	-0.4	-0.1	22	0141	-0.6	-0.2
M	0901	4.3	1.3	Tu	0841	4.3	1.3
	1501	-0.2	-0.1		1430	-0.5	-0.2
	2124	3.4	1.0		2106	3.4	1.0
8	0250	-0.2	-0.1	23	0226	-0.5	-0.2
Tu	0947	4.0	1.2	W	0929	4.2	1.3
	1542	0.1	0.0		1516	-0.4	-0.1
	2212	3.1	0.9		2156	3.3	1.0
9	0327	0.1	0.0	24	0316	-0.4	-0.1
W	1036	3.7	1.1	Th	1020	4.0	1.2
	1619	0.3	0.1		1606	-0.3	-0.1
	2301	2.9	0.9		2251	3.2	1.0
10	0409	0.4	0.1	25	0409	-0.2	-0.1
Th	1126	3.3	1.0	F	1118	3.8	1.2
	1702	0.6	0.2		1702	-0.1	0.0
	2355	2.7	0.8		2352	3.1	0.9
11	0454	0.6	0.2	26	0513	0.0	0.0
F	1221	3.1	0.9	Sa	1219	3.7	1.1
	1752	0.7	0.2		1806	0.0	0.0
12	0056	2.6	0.8	27	0056	3.2	1.0
Sa	0552	0.8	0.2	Su	0624	0.1	0.0
	1320	2.9	0.9		1323	3.5	1.1
	1853	0.8	0.2		1914	0.0	0.0
13	0155	2.6	0.8	28	0200	3.4	1.0
Su	0701	0.9	0.3	M	0746	0.1	0.0
	1416	2.9	0.9		1427	3.5	1.1
	2002	0.7	0.2		2024	0.0	0.0
14	0251	2.8	0.9	29	0301	3.6	1.1
M	0821	0.8	0.2	Tu	0909	0.0	0.0
	1511	2.9	0.9		1526	3.5	1.1
	2101	0.6	0.2		2128	-0.2	-0.1
15	0341	3.0	0.9	30	0357	3.9	1.2
Tu	0930	0.7	0.2	W	1018	-0.2	-0.1
	1600	3.0	0.9		1622	3.5	1.1
	2144	0.4	0.1		2221	-0.3	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0450	4.1	1.2	16	0434	3.5	1.1
Th	1114	-0.3	-0.1	F	1018	0.2	0.1
	1714	3.6	1.1		1655	3.0	0.9
	2311	-0.4	-0.1		2216	-0.1	0.0
2	0538	4.3	1.3	17	0519	3.8	1.2
F	1203	-0.4	-0.1	Sa	1108	-0.1	0.0
	1801	3.6	1.1		1740	3.2	1.0
	2353	-0.5	-0.2		2303	-0.4	-0.1
3	0625	4.4	1.3	18	0604	4.0	1.2
Sa	1245	-0.5	-0.2	Su	1156	-0.3	-0.1
	1847	3.6	1.1		1826	3.3	1.0
					2351	-0.6	-0.2
4	0034	-0.5	-0.2	19	0649	4.3	1.3
Su	0711	4.4	1.3	M	1244	-0.5	-0.2
	1327	-0.4	-0.1		1913	3.4	1.0
	1931	3.5	1.1				
5	0112	-0.5	-0.2	20	0039	-0.7	-0.2
M	0755	4.3	1.3	Tu	0736	4.4	1.3
	1404	-0.3	-0.1		1330	-0.7	-0.2
	2016	3.4	1.0		2001	3.5	1.1
6	0149	-0.4	-0.1	21	0128	-0.8	-0.2
Tu	0839	4.1	1.2	W	0824	4.4	1.3
	1439	-0.2	-0.1		1417	-0.7	-0.2
	2059	3.2	1.0		2050	3.5	1.1
7	0226	-0.2	-0.1	22	0218	-0.8	-0.2
W	0922	3.8	1.2	Th	0913	4.3	1.3
	1513	0.0	0.0		1506	-0.7	-0.2
	2145	3.0	0.9		2143	3.5	1.1
8	0303	0.0	0.0	23	0310	-0.7	-0.2
Th	1006	3.6	1.1	F	1006	4.2	1.3
	1548	0.2	0.1		1556	-0.6	-0.2
	2232	2.9	0.9		2236	3.5	1.1
9	0343	0.2	0.1	24	0406	-0.5	-0.2
F	1054	3.3	1.0	Sa	1102	3.9	1.2
	1625	0.3	0.1		1649	-0.4	-0.1
	2321	2.7	0.8		2334	3.5	1.1
10	0425	0.4	0.1	25	0505	-0.3	-0.1
Sa	1142	3.0	0.9	Su	1200	3.7	1.1
	1705	0.4	0.1		1747	-0.3	-0.1
11	0016	2.7	0.8	26	0033	3.5	1.1
Su	0513	0.6	0.2	M	0613	-0.1	0.0
	1235	2.8	0.9		1259	3.4	1.0
	1752	0.5	0.2		1847	-0.2	-0.1
12	0110	2.7	0.8	27	0135	3.5	1.1
M	0608	0.7	0.2	Tu	0733	0.0	0.0
	1329	2.7	0.8		1401	3.3	1.0
	1843	0.5	0.2		1954	-0.1	0.0
13	0206	2.7	0.8	28	0235	3.6	1.1
Tu	0712	0.7	0.2	W	0854	0.0	0.0
	1424	2.7	0.8		1501	3.2	1.0
	1940	0.4	0.1		2101	-0.1	0.0
14	0259	2.9	0.9	29	0333	3.8	1.2
W	0819	0.6	0.2	Th	1006	0.0	0.0
	1517	2.8	0.9		1559	3.1	0.9
	2035	0.3	0.1		2157	-0.2	-0.1
15	0347	3.2	1.0	30	0429	3.9	1.2
Th	0924	0.4	0.1	F	1106	-0.1	0.0
	1607	2.9	0.9		1652	3.1	0.9
	2128	0.1	0.0		2250	-0.2	-0.1
				31	0519	4.0	1.2
				Sa	1156	-0.2	-0.1
					1740	3.2	1.0
					2337	-0.3	-0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

NEW LONDON, CONN., 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0424	-0.4	-0.1
	1024	3.3	1.0
	1712	-0.8	-0.2
	2306	2.4	0.7
2 Su	0521	-0.4	-0.1
	1120	3.1	0.9
	1806	-0.7	-0.2
3 M	0002	2.4	0.7
	0621	-0.3	-0.1
	1219	2.8	0.9
	1901	-0.6	-0.2
4 Tu	0101	2.4	0.7
	0725	-0.2	-0.1
	1320	2.5	0.8
	1956	-0.4	-0.1
5 W	0206	2.4	0.7
	0830	-0.1	0.0
	1425	2.2	0.7
	2053	-0.3	-0.1
6 Th	0306	2.5	0.8
	0935	-0.1	0.0
	1533	2.0	0.6
	2150	-0.2	-0.1
7 F	0411	2.5	0.8
	1037	-0.1	0.0
	1639	1.9	0.6
	2244	-0.1	0.0
8 Sa	0507	2.5	0.8
	1135	-0.1	0.0
	1740	1.8	0.5
	2335	0.0	0.0
9 Su	0558	2.6	0.8
	1230	-0.2	-0.1
	1830	1.7	0.5
10 M	0023	0.0	0.0
	0644	2.6	0.8
	1317	-0.2	-0.1
	1916	1.7	0.5
11 Tu	0109	0.0	0.0
	0726	2.6	0.8
	1400	-0.3	-0.1
	1958	1.8	0.5
12 W	0155	0.0	0.0
	0803	2.6	0.8
	1440	-0.3	-0.1
	2035	1.8	0.5
13 Th	0237	0.0	0.0
	0839	2.6	0.8
	1520	-0.3	-0.1
	2112	1.9	0.6
14 F	0319	0.0	0.0
	0916	2.6	0.8
	1602	-0.3	-0.1
	2150	1.9	0.6
15 Sa	0401	0.0	0.0
	0952	2.6	0.8
	1640	-0.3	-0.1
	2228	2.0	0.6
16 Su	0445	0.1	0.0
	1029	2.5	0.8
	1722	-0.3	-0.1
	2308	2.0	0.6
17 M	0531	0.1	0.0
	1108	2.4	0.7
	1803	-0.2	-0.1
	2347	2.0	0.6
18 Tu	0616	0.2	0.1
	1149	2.3	0.7
	1845	-0.1	0.0
19 W	0029	2.1	0.6
	0706	0.2	0.1
	1231	2.1	0.6
	1930	-0.1	0.0
20 Th	0113	2.1	0.6
	0800	0.2	0.1
	1319	2.0	0.6
	2015	0.0	0.0
21 F	0203	2.2	0.7
	0856	0.2	0.1
	1415	1.9	0.6
	2104	0.1	0.0
22 Sa	0255	2.3	0.7
	0955	0.1	0.0
	1517	1.8	0.5
	2153	0.1	0.0
23 Su	0350	2.5	0.8
	1052	-0.1	0.0
	1619	1.8	0.5
	2246	0.0	0.0
24 M	0447	2.7	0.8
	1146	-0.3	-0.1
	1721	1.8	0.5
	2341	-0.1	0.0
25 Tu	0542	2.9	0.9
	1239	-0.5	-0.2
	1820	1.9	0.6
26 W	0033	-0.2	-0.1
	0638	3.0	0.9
	1331	-0.7	-0.2
	1915	2.1	0.6
27 Th	0128	-0.4	-0.1
	0731	3.2	1.0
	1421	-0.8	-0.2
	2009	2.2	0.7
28 F	0221	-0.5	-0.2
	0826	3.2	1.0
	1511	-0.9	-0.3
	2102	2.4	0.7
29 Sa	0315	-0.6	-0.2
	0918	3.2	1.0
	1600	-0.9	-0.3
	2153	2.5	0.8
30 Su	0411	-0.6	-0.2
	1011	3.1	0.9
	1650	-0.9	-0.3
	2246	2.6	0.8
31 M	0507	-0.6	-0.2
	1106	2.9	0.9
	1741	-0.8	-0.2
	2339	2.6	0.8

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0604	-0.5	-0.2
	1159	2.6	0.8
	1832	-0.6	-0.2
2 W	0035	2.6	0.8
	0703	-0.4	-0.1
	1257	2.3	0.7
	1925	-0.4	-0.1
3 Th	0131	2.5	0.8
	0804	-0.3	-0.1
	1355	2.1	0.6
	2019	-0.2	-0.1
4 F	0231	2.5	0.8
	0908	-0.2	-0.1
	1459	1.8	0.5
	2115	-0.1	0.0
5 Sa	0333	2.4	0.7
	1008	-0.1	0.0
	1605	1.7	0.5
	2211	0.0	0.0
6 Su	0433	2.4	0.7
	1107	-0.1	0.0
	1709	1.6	0.5
	2305	0.1	0.0
7 M	0527	2.4	0.7
	1201	-0.1	0.0
	1805	1.6	0.5
	2358	0.1	0.0
8 Tu	0620	2.4	0.7
	1251	-0.1	0.0
	1852	1.7	0.5
9 W	0047	0.1	0.0
	0702	2.4	0.7
	1333	-0.2	-0.1
	1933	1.7	0.5
10 Th	0132	0.0	0.0
	0742	2.4	0.7
	1415	-0.2	-0.1
	2011	1.9	0.6
11 F	0216	0.0	0.0
	0819	2.5	0.8
	1454	-0.3	-0.1
	2049	2.0	0.6
12 Sa	0258	-0.1	0.0
	0855	2.5	0.8
	1532	-0.4	-0.1
	2125	2.1	0.6
13 Su	0339	-0.1	0.0
	0930	2.5	0.8
	1611	-0.4	-0.1
	2159	2.1	0.6
14 M	0420	-0.1	0.0
	1006	2.5	0.8
	1649	-0.3	-0.1
	2235	2.2	0.7
15 Tu	0503	-0.1	0.0
	1044	2.4	0.7
	1728	-0.3	-0.1
	2311	2.3	0.7
16 W	0547	-0.1	0.0
	1124	2.3	0.7
	1807	-0.2	-0.1
	2349	2.3	0.7
17 Th	0634	0.0	0.0
	1203	2.2	0.7
	1848	-0.1	0.0
18 F	0032	2.4	0.7
	0727	0.0	0.0
	1248	2.0	0.6
	1933	0.0	0.0
19 Sa	0120	2.4	0.7
	0823	0.0	0.0
	1343	1.9	0.6
	2022	0.1	0.0
20 Su	0215	2.5	0.8
	0922	0.0	0.0
	1446	1.8	0.5
	2118	0.1	0.0
21 M	0316	2.5	0.8
	1025	-0.1	0.0
	1553	1.7	0.5
	2219	0.1	0.0
22 Tu	0420	2.6	0.8
	1122	-0.2	-0.1
	1702	1.8	0.5
	2319	0.0	0.0
23 W	0524	2.8	0.9
	1218	-0.4	-0.1
	1804	1.9	0.6
24 Th	0018	-0.2	-0.1
	0623	2.9	0.9
	1312	-0.5	-0.2
	1900	2.2	0.7
25 F	0115	-0.4	-0.1
	0720	3.0	0.9
	1401	-0.7	-0.2
	1955	2.4	0.7
26 Sa	0211	-0.5	-0.2
	0814	3.0	0.9
	1450	-0.7	-0.2
	2046	2.6	0.8
27 Su	0304	-0.7	-0.2
	0907	3.0	0.9
	1537	-0.8	-0.2
	2134	2.7	0.8
28 M	0357	-0.7	-0.2
	0957	2.9	0.9
	1625	-0.7	-0.2
	2225	2.8	0.9

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0451	-0.7	-0.2
	1047	2.7	0.8
	1712	-0.6	-0.2
	2314	2.8	0.9
2 W	0543	-0.6	-0.2
	1139	2.5	0.8
	1802	-0.4	-0.1
3 Th	0003	2.8	0.9
	0639	-0.4	-0.1
	1229	2.3	0.7
	1851	-0.3	-0.1
4 F	0056	2.7	0.8
	0735	-0.2	-0.1
	1325	2.0	0.6
	1944	-0.1	0.0
5 Sa	0151	2.5	0.8
	0834	-0.1	0.0
	1425	1.8	0.5
	2040	0.1	0.0
6 Su	0249	2.4	0.7
	0931	0.0	0.0
	1526	1.7	0.5
	2138	0.2	0.1
7 M	0353	2.3	0.7
	1031	0.1	0.0
	1631	1.6	0.5
	2235	0.3	0.1
8 Tu	0452	2.2	0.7
	1126	0.1	0.0
	1732	1.7	0.5
	2331	0.3	0.1
9 W	0545	2.3	0.7
	1217	0.0	0.0
	1822	1.8	0.5
10 Th	0022	0.2	0.1
	0633	2.3	0.7
	1302	0.0	0.0
	1907	1.9	0.6
11 F	0108	0.1	0.0
	0712	2.4	0.7
	1344	-0.1	0.0
	1942	2.1	0.6
12 Sa	0152	0.0	0.0
	0752	2.4	0.7
	1423	-0.2	-0.1
	2019	2.2	0.7
13 Su	0235	-0.1	0.0
	0829	2.5	0.8
	1500	-0.3	-0.1
	2052	2.3	0.7
14 M	0315	-0.2	-0.1
	0904	2.5	0.8
	1537	-0.3	-0.1
	2127	2.5	0.8
15 Tu	0356	-0.2	-0.1
	0941	2.5	0.8
	1614	-0.2	-0.1
	2200	2.6	0.8
16 W	0437	-0.2	-0.1
	1018	2.5	0.8
	1651	-0.2	-0.1
	2238	2.7	0.8
17 Th	0523	-0.2	-0.1
	1059	2.4	0.7
	1730	-0.1	0.0
	2318	2.7	0.8
18 F	0609	-0.2	-0.1
	1141	2.3	0.7
	1813	0.0	0.0
	2359	2.7	0.8
19 Sa	0701	-0.1	0.0
	1229	2.1	0.6
	1858	0.1	0.0
20 Su	0048	2.7	0.8
	0756	-0.1	0.0
	1324	2.0	0.6
	1953	0.2	0.1
21 M	0146	2.7	0.8
	0857	0.0	0.0
	1428	1.9	0.6
	2055	0.3	0.1
22 Tu	0251	2.7	0.8
	0959	-0.1	0.0
	1539	1.9	0.6
	2202	0.2	0.1
23 W	0400	2.7	0.8
	1101	-0.1	0.0
	1647	2.0	0.6
	2308	0.1	0.0
24 Th	0509	2.7	0.8
	1157	-0.2	-0.1
	1751	2.2	0.7
25 F	0009	-0.1	0.0
	0612	2.8	0.9
	1250	-0.3	-0.1
	1847	2.4	0.7
26 Sa	0105	-0.3	-0.1
	0710	2.8	0.9
	1339	-0.4	-0.1
	1939	2.7	0.8
27 Su	0200	-0.5	-0.2
	0803	2.9	0.9
	1427	-0.5	-0.2
	2026	2.9	0.9
28 M	0251	-0.6	-0.2
	0854	2.8	0.9
	1513	-0.5	-0.2
	2114	3.0	0.9
29 Tu	0342	-0.6	-0.2
	0940	2.7	0.8
	1558	-0.4	-0.1
	2200	3.1	0.9
30 W	0432	-0.6	-0.2
	1027	2.6	0.8
	1642	-0.3	-0.1
	2245	3.0	0.9
31 Th	0521	-0.5	-0.2
	1114	2.4	0.7
	1730	-0.2	-0.1
	2331	2.9	0.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0613	-0.3	-0.1	16 Sa	0546	-0.3	-0.1
	1200	2.2	0.7		1123	2.4	0.7
	1818	0.0	0.0		1741	0.1	0.0
					2334	3.1	0.9
2 Sa	0019	2.8	0.9	17 Su	0639	-0.2	-0.1
	0704	-0.1	0.0		1213	2.2	0.7
	1253	2.0	0.6		1834	0.2	0.1
	1911	0.2	0.1				
3 Su	0110	2.6	0.8	18 M	0026	3.0	0.9
	0801	0.1	0.0		0736	-0.1	0.0
	1349	1.9	0.6		1314	2.1	0.6
	2007	0.4	0.1		1935	0.3	0.1
4 M	0205	2.4	0.7	19 Tu	0127	2.9	0.9
	0857	0.2	0.1		0837	-0.1	0.0
	1449	1.8	0.5		1420	2.1	0.6
	2105	0.5	0.2		2044	0.4	0.1
5 Tu	0305	2.3	0.7	20 W	0235	2.8	0.9
	0952	0.2	0.1		0938	0.0	0.0
	1554	1.8	0.5		1529	2.1	0.6
	2206	0.5	0.2		2152	0.3	0.1
6 W	0407	2.2	0.7	21 Th	0347	2.7	0.8
	1047	0.2	0.1		1037	0.0	0.0
	1657	1.9	0.6		1637	2.3	0.7
	2303	0.5	0.2		2258	0.2	0.1
7 Th	0505	2.2	0.7	22 F	0457	2.7	0.8
	1138	0.2	0.1		1135	-0.1	0.0
	1745	2.0	0.6		1737	2.5	0.8
	2353	0.4	0.1		2358	0.0	0.0
8 F	0554	2.3	0.7	23 Sa	0602	2.7	0.8
	1225	0.1	0.0		1227	-0.1	0.0
	1828	2.2	0.7		1832	2.7	0.8
9 Sa	0042	0.3	0.1	24 Su	0055	-0.2	-0.1
	0639	2.3	0.7		0658	2.7	0.8
	1307	0.0	0.0		1315	-0.2	-0.1
	1907	2.3	0.7		1921	2.9	0.9
10 Su	0126	0.1	0.0	25 M	0147	-0.3	-0.1
	0720	2.4	0.7		0750	2.7	0.8
	1345	0.0	0.0		1402	-0.2	-0.1
	1942	2.5	0.8		2007	3.1	0.9
11 M	0207	0.0	0.0	26 Tu	0237	-0.4	-0.1
	0757	2.5	0.8		0836	2.6	0.8
	1424	-0.1	0.0		1446	-0.2	-0.1
	2016	2.7	0.8		2051	3.2	1.0
12 Tu	0249	-0.2	-0.1	27 W	0325	-0.5	-0.2
	0836	2.6	0.8		0921	2.5	0.8
	1502	-0.1	0.0		1530	-0.1	0.0
	2053	2.9	0.9		2134	3.2	1.0
13 W	0330	-0.3	-0.1	28 Th	0412	-0.4	-0.1
	0916	2.6	0.8		1004	2.4	0.7
	1539	-0.1	0.0		1615	0.0	0.0
	2127	3.0	0.9		2216	3.1	0.9
14 Th	0413	-0.3	-0.1	29 F	0458	-0.3	-0.1
	0954	2.5	0.8		1049	2.3	0.7
	1617	0.0	0.0		1701	0.1	0.0
	2206	3.1	0.9		2258	3.0	0.9
15 F	0458	-0.3	-0.1	30 Sa	0547	-0.1	0.0
	1039	2.5	0.8		1134	2.2	0.7
	1657	0.0	0.0		1747	0.3	0.1
	2248	3.1	0.9		2344	2.9	0.9

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0636	0.0	0.0	16 M	0621	-0.3	-0.1
	1221	2.1	0.6		1203	2.4	0.7
	1839	0.4	0.1		1819	0.3	0.1
2 M	0032	2.7	0.8	17 Tu	0011	3.2	1.0
	0725	0.2	0.1		0717	-0.2	-0.1
	1317	2.0	0.6		1304	2.3	0.7
	1935	0.6	0.2		1925	0.3	0.1
3 Tu	0124	2.5	0.8	18 W	0117	3.0	0.9
	0821	0.3	0.1		0816	-0.1	0.0
	1412	2.0	0.6		1410	2.3	0.7
	2033	0.7	0.2		2031	0.3	0.1
4 W	0221	2.3	0.7	19 Th	0223	2.8	0.9
	0914	0.3	0.1		0916	0.0	0.0
	1515	2.0	0.6		1516	2.4	0.7
	2132	0.7	0.2		2140	0.3	0.1
5 Th	0320	2.2	0.7	20 F	0335	2.6	0.8
	1007	0.3	0.1		1013	0.0	0.0
	1612	2.1	0.6		1622	2.6	0.8
	2229	0.6	0.2		2245	0.2	0.1
6 F	0419	2.2	0.7	21 Sa	0444	2.5	0.8
	1057	0.3	0.1		1110	0.0	0.0
	1703	2.2	0.7		1721	2.8	0.9
	2322	0.5	0.2		2345	0.0	0.0
7 Sa	0510	2.2	0.7	22 Su	0547	2.5	0.8
	1142	0.2	0.1		1201	0.0	0.0
	1745	2.4	0.7		1814	2.9	0.9
8 Su	0010	0.4	0.1	23 M	0042	-0.1	0.0
	0600	2.3	0.7		0643	2.5	0.8
	1225	0.2	0.1		1251	0.0	0.0
	1825	2.6	0.8		1902	3.1	0.9
9 M	0056	0.2	0.1	24 Tu	0133	-0.2	-0.1
	0642	2.4	0.7		0733	2.4	0.7
	1305	0.1	0.0		1336	0.0	0.0
	1905	2.8	0.9		1947	3.2	1.0
10 Tu	0139	0.0	0.0	25 W	0222	-0.3	-0.1
	0724	2.5	0.8		0819	2.4	0.7
	1346	0.1	0.0		1419	0.0	0.0
	1939	3.0	0.9		2029	3.2	1.0
11 W	0223	-0.2	-0.1	26 Th	0306	-0.3	-0.1
	0805	2.5	0.8		0901	2.3	0.7
	1424	0.0	0.0		1504	0.1	0.0
	2019	3.2	1.0		2110	3.2	1.0
12 Th	0305	-0.3	-0.1	27 F	0351	-0.2	-0.1
	0846	2.5	0.8		0942	2.3	0.7
	1505	0.0	0.0		1547	0.2	0.1
	2058	3.3	1.0		2151	3.1	0.9
13 F	0348	-0.4	-0.1	28 Sa	0437	-0.1	0.0
	0930	2.5	0.8		1024	2.2	0.7
	1546	0.0	0.0		1633	0.3	0.1
	2141	3.4	1.0		2231	3.0	0.9
14 Sa	0437	-0.4	-0.1	29 Su	0520	0.0	0.0
	1019	2.5	0.8		1107	2.2	0.7
	1632	0.1	0.0		1719	0.4	0.1
	2226	3.4	1.0		2312	2.9	0.9
15 Su	0526	-0.4	-0.1	30 M	0605	0.1	0.0
	1107	2.4	0.7		1155	2.2	0.7
	1721	0.2	0.1		1809	0.5	0.2
	2318	3.3	1.0		2355	2.7	0.8
				31 Tu	0655	0.2	0.1
					1245	2.1	0.6
					1904	0.6	0.2

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0044	2.5	0.8	16 Th	0104	3.0	0.9
	0743	0.2	0.1		0753	-0.2	-0.1
	1337	2.1	0.6		1354	2.6	0.8
	1959	0.7	0.2		2018	0.2	0.1
2 Th	0137	2.4	0.7	17 F	0211	2.7	0.8
	0834	0.3	0.1		0850	-0.1	0.0
	1433	2.2	0.7		1458	2.7	0.8
	2057	0.7	0.2		2124	0.2	0.1
3 F	0231	2.3	0.7	18 Sa	0320	2.5	0.8
	0925	0.3	0.1		0947	0.0	0.0
	1525	2.2	0.7		1600	2.8	0.9
	2153	0.7	0.2		2228	0.1	0.0
4 Sa	0330	2.2	0.7	19 Su	0426	2.4	0.7
	1013	0.3	0.1		1042	0.1	0.0
	1614	2.4	0.7		1659	2.9	0.9
	2247	0.6	0.2		2329	0.1	0.0
5 Su	0422	2.2	0.7	20 M	0531	2.3	0.7
	1059	0.3	0.1		1135	0.1	0.0
	1659	2.5	0.8		1753	3.0	0.9
	2337	0.4	0.1				
6 M	0514	2.2	0.7	21 Tu	0025	0.0	0.0
	1144	0.3	0.1		0627	2.2	0.7
	1742	2.7	0.8		1226	0.2	0.1
					1843	3.1	0.9
7 Tu	0023	0.2	0.1	22 W	0116	-0.1	0.0
	0603	2.3	0.7		0716	2.2	0.7
	1226	0.2	0.1		1312	0.2	0.1
	1822	3.0	0.9		1927	3.1	0.9
8 W	0109	0.0	0.0	23 Th	0203	-0.1	0.0
	0649	2.4	0.7		0759	2.2	0.7
	1307	0.2	0.1		1357	0.2	0.1
	1905	3.2	1.0		2008	3.1	0.9
9 Th	0155	-0.2	-0.1	24 F	0247	-0.1	0.0
	0736	2.4	0.7		0841	2.2	0.7
	1350	0.1	0.0		1440	0.2	0.1
	1947	3.4	1.0		2048	3.1	0.9
10 F	0240	-0.3	-0.1	25 Sa	0329	-0.1	0.0
	0821	2.5	0.8		0921	2.2	0.7
	1435	0.0	0.0		1524	0.3	0.1
	2032	3.5	1.1		2127	3.0	0.9
11 Sa	0327	-0.4	-0.1	26 Su	0411	0.0	0.0
	0909	2.5	0.8		1003	2.2	0.7
	1521	0.0	0.0		1608	0.3	0.1
	2120	3.6	1.1		2205	2.9	0.9
12 Su	0417	-0.5	-0.2	27 M	0454	0.0	0.0
	1000	2.6	0.8		1042	2.2	0.7
	1613	0.0	0.0		1654	0.4	0.1
	2210	3.6	1.1		2245	2.8	0.9
13 M	0507	-0.5	-0.2	28 Tu	0536	0.1	0.0
	1054	2.6	0.8		1126	2.2	0.7
	1708	0.1	0.0		1744	0.5	0.2
	2304	3.4	1.0		2326	2.7	0.8
14 Tu	0600	-0.4	-0.1	29 W	0621	0.1	0.0
	1151	2.6	0.8		1211	2.2	0.7
	1808	0.1	0.0		1832	0.6	0.2
15 W	0003	3.2	1.0	30 Th	0011	2.6	0.8
	0656	-0.3	-0.1		0707	0.2	0.1
	1250	2.6	0.8		1258	2.3	0.7
	1911	0.2	0.1		1925	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0056	2.4	0.7	16 Sa	0152	2.7	0.8
	0754	0.3	0.1		0822	-0.1	0.0
	1346	2.3	0.7		1432	2.9	0.9
	2020	0.7	0.2		2103	0.1	0.0
2 Sa	0147	2.3	0.7	17 Su	0259	2.4	0.7
	0841	0.3	0.1		0919	0.1	0.0
	1434	2.4	0.7		1534	2.9	0.9
	2114	0.6	0.2		2206	0.1	0.0
3 Su	0239	2.2	0.7	18 M	0403	2.2	0.7
	0928	0.4	0.1		1015	0.2	0.1
	1523	2.5	0.8		1634	2.9	0.9
	2207	0.5	0.2		2306	0.1	0.0
4 M	0333	2.2	0.7	19 Tu	0506	2.1	0.6
	1015	0.4	0.1		1108	0.2	0.1
	1613	2.6	0.8		1729	2.9	0.9
	2301	0.4	0.1				
5 Tu	0429	2.1	0.6	20 W	0005	0.1	0.0
	1101	0.3	0.1		0606	2.1	0.6
	1700	2.8	0.9		1201	0.3	0.1
	2350	0.2	0.1		1822	3.0	0.9
6 W	0524	2.2	0.7	21 Th	0054	0.1	0.0
	1147	0.3	0.1		0656	2.1	0.6
	1747	3.1	0.9		1248	0.3	0.1
					1906	3.0	0.9
7 Th	0040	0.0	0.0	22 F	0143	0.1	0.0
	0617	2.2	0.7		0739	2.1	0.6
	1233	0.2	0.1		1334	0.3	0.1
	1833	3.3	1.0		1948	2.9	0.9
8 F	0129	-0.2	-0.1	23 Sa	0225	0.0	0.0
	0708	2.3	0.7		0822	2.1	0.6
	1321	0.1	0.0		1420	0.3	0.1
	1923	3.5	1.1		2029	2.9	0.9
9 Sa	0216	-0.4	-0.1	24 Su	0306	0.0	0.0
	0759	2.5	0.8		0859	2.2	0.7
	1411	0.0	0.0		1503	0.3	0.1
	2013	3.6	1.1		2105	2.9	0.9
10 Su	0306	-0.5	-0.2	25 M	0345	0.0	0.0
	0851	2.6	0.8		0937	2.3	0.7
	1502	-0.1	0.0		1547	0.3	0.1
	2104	3.6	1.1		2143	2.8	0.9
11 M	0356	-0.5	-0.2	26 Tu	0425	0.0	0.0
	0943	2.7	0.8		1016	2.3	0.7
	1557	-0.1	0.0		1631	0.4	0.1
	2156	3.6	1.1		2219	2.8	0.9
12 Tu	0446	-0.5	-0.2	27 W	0506	0.1	0.0
	1036	2.7	0.8		1054	2.4	0.7
	1654	-0.1	0.0		1715	0.4	0.1
	2252	3.4	1.0		2258	2.7	0.8
13 W	0539	-0.5	-0.2	28 Th	0547	0.1	0.0
	1132	2.8	0.9		1136	2.4	0.7
	1754	-0.1	0.0		1803	0.5	0.2
	2349	3.2	1.0		2339	2.6	0.8
14 Th	0632	-0.3	-0.1	29 F	0629	0.2	0.1
	1231	2.8	0.9		1216	2.4	0.7
	1856	0.0	0.0		1850	0.5	0.2
15 F	0050	2.9	0.9	30 Sa	0021	2.5	0.8
	0726	-0.2	-0.1		0713	0.3	0.1
	1330	2.8	0.9		1258	2.5	0.8
	1959	0.0	0.0		1943	0.5	0.2
				31 Su	0106	2.3	0.7
					0756	0.4	0.1
					1345	2.5	0.8
					2036	0.5	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0155	2.2	0.7	16 Tu	0336	2.1	0.6
	0844	0.4	0.1		0945	0.3	0.1
	1431	2.6	0.8		1604	2.8	0.9
	2131	0.5	0.2		2241	0.2	0.1
2 Tu	0251	2.1	0.6	17 W	0445	2.0	0.6
	0931	0.5	0.2		1042	0.4	0.1
	1524	2.7	0.8		1704	2.8	0.9
	2226	0.4	0.1		2337	0.2	0.1
3 W	0351	2.1	0.6	18 Th	0545	2.0	0.6
	1022	0.4	0.1		1138	0.4	0.1
	1621	2.9	0.9		1758	2.8	0.9
	2322	0.2	0.1				
4 Th	0451	2.1	0.6	19 F	0030	0.2	0.1
	1114	0.4	0.1		0636	2.1	0.6
	1713	3.1	0.9		1227	0.4	0.1
					1846	2.8	0.9
5 F	0015	0.0	0.0	20 Sa	0116	0.2	0.1
	0550	2.2	0.7		0718	2.1	0.6
	1209	0.2	0.1		1316	0.4	0.1
	1809	3.2	1.0		1928	2.8	0.9
6 Sa	0104	-0.2	-0.1	21 Su	0158	0.2	0.1
	0645	2.4	0.7		0758	2.2	0.7
	1302	0.1	0.0		1400	0.3	0.1
	1904	3.4	1.0		2006	2.8	0.9
7 Su	0155	-0.3	-0.1	22 M	0237	0.1	0.0
	0740	2.5	0.8		0833	2.3	0.7
	1355	-0.1	0.0		1443	0.3	0.1
	1957	3.5	1.1		2042	2.8	0.9
8 M	0244	-0.4	-0.1	23 Tu	0316	0.1	0.0
	0833	2.7	0.8		0909	2.4	0.7
	1448	-0.2	-0.1		1525	0.3	0.1
	2050	3.5	1.1		2117	2.8	0.9
9 Tu	0333	-0.5	-0.2	24 W	0355	0.1	0.0
	0925	2.9	0.9		0944	2.5	0.8
	1544	-0.3	-0.1		1606	0.3	0.1
	2144	3.5	1.1		2153	2.8	0.9
10 W	0422	-0.5	-0.2	25 Th	0433	0.1	0.0
	1017	3.0	0.9		1019	2.6	0.8
	1639	-0.3	-0.1		1649	0.3	0.1
	2237	3.3	1.0		2231	2.7	0.8
11 Th	0512	-0.4	-0.1	26 F	0510	0.1	0.0
	1110	3.1	0.9		1056	2.7	0.8
	1736	-0.3	-0.1		1733	0.3	0.1
	2332	3.1	0.9		2307	2.6	0.8
12 F	0603	-0.3	-0.1	27 Sa	0549	0.2	0.1
	1203	3.1	0.9		1133	2.7	0.8
	1835	-0.2	-0.1		1819	0.3	0.1
					2347	2.5	0.8
13 Sa	0029	2.8	0.9	28 Su	0631	0.3	0.1
	0657	-0.1	0.0		1214	2.7	0.8
	1301	3.0	0.9		1906	0.4	0.1
	1935	0.0	0.0				
14 Su	0130	2.6	0.8	29 M	0031	2.4	0.7
	0752	0.0	0.0		0714	0.5	0.2
	1401	3.0	0.9		1257	2.7	0.8
	2038	0.1	0.0		2001	0.4	0.1
15 M	0231	2.3	0.7	30 Tu	0121	2.2	0.7
	0848	0.2	0.1		0802	0.5	0.2
	1503	2.9	0.9		1346	2.8	0.9
	2141	0.2	0.1		2058	0.4	0.1
				31 W	0219	2.1	0.6
					0854	0.6	0.2
					1444	2.8	0.9
					2157	0.3	0.1

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0324	2.1	0.6	16 F	0516	2.1	0.6
	0952	0.5	0.2		1113	0.6	0.2
	1547	2.9	0.9		1729	2.6	0.8
	2254	0.2	0.1		2358	0.3	0.1
2 F	0429	2.1	0.6	17 Sa	0612	2.2	0.7
	1052	0.4	0.1		1206	0.5	0.2
	1650	3.0	0.9		1820	2.6	0.8
	2350	0.1	0.0				
3 Sa	0532	2.3	0.7	18 Su	0044	0.3	0.1
	1152	0.3	0.1		0653	2.3	0.7
	1753	3.2	1.0		1253	0.4	0.1
					1902	2.6	0.8
4 Su	0043	-0.1	0.0	19 M	0126	0.2	0.1
	0630	2.5	0.8		0729	2.4	0.7
	1248	0.1	0.0		1339	0.3	0.1
	1849	3.3	1.0		1939	2.7	0.8
5 M	0133	-0.2	-0.1	20 Tu	0205	0.2	0.1
	0723	2.7	0.8		0803	2.5	0.8
	1344	-0.1	0.0		1421	0.2	0.1
	1944	3.4	1.0		2016	2.7	0.8
6 Tu	0221	-0.3	-0.1	21 W	0242	0.1	0.0
	0814	3.0	0.9		0839	2.7	0.8
	1437	-0.3	-0.1		1501	0.2	0.1
	2037	3.4	1.0		2051	2.8	0.9
7 W	0309	-0.4	-0.1	22 Th	0319	0.1	0.0
	0905	3.1	0.9		0911	2.8	0.9
	1530	-0.4	-0.1		1540	0.1	0.0
	2129	3.3	1.0		2127	2.7	0.8
8 Th	0356	-0.4	-0.1	23 F	0356	0.1	0.0
	0954	3.3	1.0		0945	2.9	0.9
	1623	-0.4	-0.1		1622	0.1	0.0
	2221	3.1	0.9		2203	2.7	0.8
9 F	0444	-0.3	-0.1	24 Sa	0433	0.2	0.1
	1044	3.3	1.0		1018	2.9	0.9
	1717	-0.4	-0.1		1704	0.1	0.0
	2312	2.9	0.9		2241	2.6	0.8
10 Sa	0534	-0.2	-0.1	25 Su	0510	0.3	0.1
	1136	3.3	1.0		1054	3.0	0.9
	1812	-0.2	-0.1		1749	0.1	0.0
					2321	2.5	0.8
11 Su	0005	2.7	0.8	26 M	0549	0.4	0.1
	0624	0.0	0.0		1136	3.0	0.9
	1229	3.1	0.9		1837	0.2	0.1
	1911	0.0	0.0				
12 M	0101	2.4	0.7	27 Tu	0007	2.4	0.7
	0720	0.2	0.1		0634	0.5	0.2
	1326	3.0	0.9		1221	3.0	0.9
	2010	0.1	0.0		1931	0.3	0.1
13 Tu	0202	2.2	0.7	28 W	0058	2.2	0.7
	0815	0.4	0.1		0726	0.6	0.2
	1425	2.8	0.9		1314	2.9	0.9
	2109	0.3	0.1		2031	0.3	0.1
14 W	0308	2.1	0.6	29 Th	0159	2.1	0.6
	0916	0.5	0.2		0826	0.6	0.2
	1530	2.7	0.8		1417	2.9	0.9
	2210	0.3	0.1		2132	0.3	0.1
15 Th	0415	2.0	0.6	30 F	0308	2.1	0.6
	1016	0.6	0.2		0934	0.6	0.2
	1634	2.6	0.8		1524	2.9	0.9
	2307	0.4	0.1		2231	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0416	2.2	0.7	16 Su	0535	2.2	0.7
	1038	0.5	0.2		1142	0.5	0.2
	1636	2.9	0.9		1745	2.4	0.7
	2327	0.1	0.0				
2 Su	0519	2.4	0.7	17 M	0007	0.3	0.1
	1140	0.3	0.1		0617	2.4	0.7
	1739	3.0	0.9		1228	0.4	0.1
					1827	2.5	0.8
3 M	0020	0.0	0.0	18 Tu	0049	0.2	0.1
	0615	2.7	0.8		0655	2.5	0.8
	1238	0.0	0.0		1312	0.3	0.1
	1838	3.1	0.9		1908	2.5	0.8
4 Tu	0110	-0.2	-0.1	19 W	0128	0.2	0.1
	0707	2.9	0.9		0728	2.7	0.8
	1332	-0.2	-0.1		1354	0.2	0.1
	1932	3.1	0.9		1947	2.6	0.8
5 W	0158	-0.2	-0.1	20 Th	0206	0.1	0.0
	0756	3.2	1.0		0803	2.9	0.9
	1424	-0.4	-0.1		1433	0.0	0.0
	2024	3.1	0.9		2022	2.6	0.8
6 Th	0244	-0.3	-0.1	21 F	0243	0.1	0.0
	0844	3.4	1.0		0836	3.0	0.9
	1515	-0.5	-0.2		1515	-0.1	0.0
	2113	3.0	0.9		2058	2.6	0.8
7 F	0330	-0.2	-0.1	22 Sa	0320	0.1	0.0
	0930	3.4	1.0		0910	3.1	0.9
	1606	-0.5	-0.2		1555	-0.1	0.0
	2201	2.9	0.9		2136	2.6	0.8
8 Sa	0417	-0.2	-0.1	23 Su	0357	0.2	0.1
	1019	3.4	1.0		0947	3.2	1.0
	1656	-0.4	-0.1		1638	-0.1	0.0
	2249	2.7	0.8		2215	2.5	0.8
9 Su	0504	0.0	0.0	24 M	0435	0.2	0.1
	1106	3.3	1.0		1024	3.2	1.0
	1749	-0.2	-0.1		1724	-0.1	0.0
	2340	2.5	0.8		2259	2.4	0.7
10 M	0555	0.2	0.1	25 Tu	0516	0.3	0.1
	1155	3.1	0.9		1107	3.2	1.0
	1842	0.0	0.0		1813	0.0	0.0
					2347	2.3	0.7
11 Tu	0034	2.3	0.7	26 W	0605	0.4	0.1
	0648	0.4	0.1		1156	3.1	0.9
	1250	2.9	0.9		1906	0.0	0.0
	1938	0.2	0.1				
12 W	0130	2.2	0.7	27 Th	0042	2.2	0.7
	0746	0.5	0.2		0704	0.5	0.2
	1346	2.7	0.8		1253	3.0	0.9
	2037	0.3	0.1		2006	0.1	0.0
13 Th	0236	2.1	0.6	28 F	0146	2.2	0.7
	0846	0.6	0.2		0811	0.6	0.2
	1450	2.5	0.8		1358	2.8	0.9
	2135	0.4	0.1		2107	0.1	0.0
14 F	0341	2.1	0.6	29 Sa	0255	2.2	0.7
	0948	0.7	0.2		0920	0.5	0.2
	1554	2.4	0.7		1511	2.7	0.8
	2231	0.4	0.1		2207	0.1	0.0
15 Sa	0444	2.1	0.6	30 Su	0402	2.4	0.7
	1046	0.6	0.2		1026	0.4	0.1
	1652	2.4	0.7		1621	2.7	0.8
	2321	0.4	0.1		2303	0.0	0.0
				31 M	0505	2.6	0.8
					1129	0.1	0.0
					1727	2.7	0.8
					2356	0.0	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0559	2.8	0.9	16 W	0009	0.2	0.1
	1227	-0.1	0.0		0614	2.6	0.8
	1825	2.7	0.8		1243	0.2	0.1
					1830	2.3	0.7
2 W	0046	-0.1	0.0	17 Th	0051	0.1	0.0
	0651	3.1	0.9		0651	2.7	0.8
	1320	-0.3	-0.1		1325	0.0	0.0
	1920	2.7	0.8		1911	2.3	0.7
3 Th	0134	-0.2	-0.1	18 F	0130	0.1	0.0
	0738	3.3	1.0		0726	2.9	0.9
	1411	-0.4	-0.1		1406	-0.1	0.0
	2009	2.7	0.8		1950	2.4	0.7
4 F	0219	-0.2	-0.1	19 Sa	0208	0.1	0.0
	0824	3.4	1.0		0800	3.1	0.9
	1501	-0.5	-0.2		1448	-0.3	-0.1
	2055	2.6	0.8		2029	2.4	0.7
5 Sa	0304	-0.1	0.0	20 Su	0245	0.0	0.0
	0909	3.4	1.0		0838	3.2	1.0
	1548	-0.5	-0.2		1531	-0.4	-0.1
	2142	2.6	0.8		2110	2.4	0.7
6 Su	0349	-0.1	0.0	21 M	0324	0.0	0.0
	0952	3.3	1.0		0918	3.3	1.0
	1636	-0.4	-0.1		1615	-0.4	-0.1
	2227	2.4	0.7		2154	2.4	0.7
7 M	0437	0.1	0.0	22 Tu	0408	0.1	0.0
	1038	3.2	1.0		1001	3.3	1.0
	1725	-0.2	-0.1		1702	-0.4	-0.1
	2315	2.3	0.7		2241	2.3	0.7
8 Tu	0525	0.2	0.1	23 W	0454	0.1	0.0
	1125	3.0	0.9		1046	3.2	1.0
	1815	-0.1	0.0		1751	-0.3	-0.1
					2333	2.3	0.7
9 W	0005	2.2	0.7	24 Th	0547	0.2	0.1
	0619	0.4	0.1		1139	3.1	0.9
	1215	2.8	0.9		1847	-0.3	-0.1
	1906	0.1	0.0				
10 Th	0101	2.1	0.6	25 F	0029	2.2	0.7
	0714	0.5	0.2		0650	0.3	0.1
	1306	2.6	0.8		1237	2.9	0.9
	2001	0.2	0.1		1943	-0.2	-0.1
11 F	0158	2.0	0.6	26 Sa	0133	2.3	0.7
	0815	0.6	0.2		0757	0.3	0.1
	1406	2.4	0.7		1345	2.7	0.8
	2057	0.3	0.1		2042	-0.1	0.0
12 Sa	0302	2.0	0.6	27 Su	0239	2.3	0.7
	0915	0.7	0.2		0907	0.3	0.1
	1507	2.2	0.7		1455	2.5	0.8
	2149	0.3	0.1		2142	-0.1	0.0
13 Su	0401	2.1	0.6	28 M	0345	2.5	0.8
	1015	0.6	0.2		1014	0.1	0.0
	1607	2.2	0.7		1606	2.4	0.7
	2239	0.3	0.1		2237	-0.1	0.0
14 M	0453	2.2	0.7	29 Tu	0447	2.7	0.8
	1108	0.5	0.2		1116	0.0	0.0
	1658	2.2	0.7		1713	2.4	0.7
	2326	0.2	0.1		2332	-0.1	0.0
15 Tu	0535	2.4	0.7	30 W	0542	2.8	0.9
	1158	0.4	0.1		1214	-0.2	-0.1
	1748	2.2	0.7		1812	2.3	0.7

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0022	-0.1	0.0	16 F	0010	0.1	0.0
	0635	3.0	0.9		0609	2.7	0.8
	1307	-0.4	-0.1		1254	-0.1	0.0
	1905	2.3	0.7		1834	2.0	0.6
2 F	0110	-0.1	0.0	17 Sa	0052	0.0	0.0
	0721	3.1	0.9		0649	2.9	0.9
	1357	-0.4	-0.1		1339	-0.3	-0.1
	1955	2.3	0.7		1920	2.1	0.6
3 Sa	0156	-0.1	0.0	18 Su	0133	0.0	0.0
	0806	3.2	1.0		0731	3.0	0.9
	1445	-0.5	-0.2		1422	-0.5	-0.2
	2039	2.2	0.7		2003	2.2	0.7
4 Su	0241	-0.1	0.0	19 M	0215	-0.1	0.0
	0849	3.2	1.0		0813	3.2	1.0
	1530	-0.4	-0.1		1507	-0.6	-0.2
	2123	2.2	0.7		2048	2.2	0.7
5 M	0327	-0.1	0.0	20 Tu	0258	-0.2	-0.1
	0932	3.1	0.9		0857	3.3	1.0
	1616	-0.4	-0.1		1553	-0.7	-0.2
	2205	2.1	0.6		2135	2.3	0.7
6 Tu	0413	0.0	0.0	21 W	0347	-0.2	-0.1
	1014	3.0	0.9		0944	3.3	1.0
	1702	-0.3	-0.1		1640	-0.7	-0.2
	2251	2.1	0.6		2225	2.3	0.7
7 W	0459	0.2	0.1	22 Th	0439	-0.2	-0.1
	1056	2.8	0.9		1035	3.2	1.0
	1747	-0.2	-0.1		1731	-0.6	-0.2
	2336	2.0	0.6		2317	2.3	0.7
8 Th	0551	0.3	0.1	23 F	0536	-0.1	0.0
	1141	2.6	0.8		1129	3.0	0.9
	1834	-0.1	0.0		1824	-0.5	-0.2
9 F	0026	2.0	0.6	24 Sa	0013	2.3	0.7
	0645	0.4	0.1		0637	-0.1	0.0
	1230	2.4	0.7		1228	2.8	0.9
	1923	0.0	0.0		1919	-0.4	-0.1
10 Sa	0119	2.0	0.6	25 Su	0115	2.4	0.7
	0741	0.5	0.2		0742	0.0	0.0
	1319	2.2	0.7		1332	2.5	0.8
	2014	0.1	0.0		2017	-0.3	-0.1
11 Su	0215	2.0	0.6	26 M	0218	2.4	0.7
	0838	0.5	0.2		0849	-0.1	0.0
	1415	2.1	0.6		1440	2.3	0.7
	2105	0.2	0.1		2114	-0.2	-0.1
12 M	0309	2.1	0.6	27 Tu	0324	2.5	0.8
	0937	0.5	0.2		0956	-0.1	0.0
	1512	2.0	0.6		1549	2.1	0.6
	2156	0.2	0.1		2211	-0.2	-0.1
13 Tu	0401	2.2	0.7	28 W	0425	2.6	0.8
	1030	0.4	0.1		1058	-0.2	-0.1
	1609	1.9	0.6		1655	2.0	0.6
	2242	0.2	0.1		2305	-0.1	0.0
14 W	0447	2.3	0.7	29 Th	0524	2.7	0.8
	1121	0.3	0.1		1157	-0.3	-0.1
	1701	1.9	0.6		1756	2.0	0.6
	2327	0.1	0.0		2358	-0.1	0.0
15 Th	0530	2.5	0.8	30 F	0617	2.8	0.9
	1209	0.1	0.0		1251	-0.4	-0.1
	1748	2.0	0.6		1852	1.9	0.6
				31 Sa	0048	-0.1	0.0
					0705	2.9	0.9
					1342	-0.4	-0.1
					1939	1.9	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0004	6.8	2.1
	0612	-0.8	-0.2
	1222	7.7	2.3
	1849	-1.4	-0.4
2 Su	0059	6.8	2.1
	0707	-0.7	-0.2
	1318	7.5	2.3
	1944	-1.2	-0.4
3 M	0155	6.8	2.1
	0806	-0.6	-0.2
	1415	7.1	2.2
	2040	-0.9	-0.3
4 Tu	0251	6.7	2.0
	0906	-0.4	-0.1
	1514	6.7	2.0
	2135	-0.6	-0.2
5 W	0350	6.6	2.0
	1009	-0.3	-0.1
	1615	6.3	1.9
	2234	-0.4	-0.1
6 Th	0449	6.5	2.0
	1111	-0.2	-0.1
	1718	6.0	1.8
	2333	-0.1	0.0
7 F	0549	6.5	2.0
	1214	-0.2	-0.1
	1820	5.8	1.8
8 Sa	0032	0.0	0.0
	0648	6.6	2.0
	1315	-0.2	-0.1
	1919	5.7	1.7
9 Su	0126	0.0	0.0
	0740	6.6	2.0
	1408	-0.3	-0.1
	2014	5.7	1.7
10 M	0217	0.1	0.0
	0831	6.7	2.0
	1459	-0.4	-0.1
	2102	5.8	1.8
11 Tu	0305	0.1	0.0
	0917	6.8	2.1
	1544	-0.4	-0.1
	2145	5.9	1.8
12 W	0348	0.0	0.0
	0958	6.9	2.1
	1624	-0.5	-0.2
	2226	6.0	1.8
13 Th	0429	0.1	0.0
	1038	6.9	2.1
	1701	-0.4	-0.1
	2303	6.1	1.9
14 F	0508	0.1	0.0
	1114	6.9	2.1
	1737	-0.4	-0.1
	2340	6.2	1.9
15 Sa	0544	0.1	0.0
	1150	6.9	2.1
	1813	-0.3	-0.1
16 Su	0016	6.2	1.9
	0621	0.1	0.0
	1227	6.8	2.1
	1848	-0.3	-0.1
17 M	0051	6.3	1.9
	0659	0.2	0.1
	1302	6.7	2.0
	1923	-0.2	-0.1
18 Tu	0128	6.3	1.9
	0736	0.2	0.1
	1341	6.5	2.0
	2000	-0.1	0.0
19 W	0208	6.3	1.9
	0819	0.3	0.1
	1422	6.3	1.9
	2040	0.0	0.0
20 Th	0249	6.3	1.9
	0904	0.3	0.1
	1509	6.1	1.9
	2122	0.1	0.0
21 F	0337	6.4	2.0
	0954	0.3	0.1
	1559	5.9	1.8
	2213	0.2	0.1
22 Sa	0428	6.4	2.0
	1055	0.3	0.1
	1656	5.7	1.7
	2309	0.3	0.1
23 Su	0527	6.5	2.0
	1156	0.1	0.0
	1759	5.6	1.7
24 M	0009	0.2	0.1
	0627	6.6	2.0
	1300	-0.1	0.0
	1904	5.7	1.7
25 Tu	0111	0.1	0.0
	0729	6.9	2.1
	1401	-0.5	-0.2
	2006	5.9	1.8
26 W	0214	-0.2	-0.1
	0828	7.2	2.2
	1500	-0.8	-0.2
	2105	6.2	1.9
27 Th	0313	-0.5	-0.2
	0927	7.4	2.3
	1556	-1.2	-0.4
	2203	6.5	2.0
28 F	0410	-0.8	-0.2
	1022	7.6	2.3
	1650	-1.4	-0.4
	2256	6.8	2.1
29 Sa	0505	-1.0	-0.3
	1116	7.7	2.3
	1741	-1.5	-0.5
	2349	7.0	2.1
30 Su	0558	-1.2	-0.4
	1209	7.6	2.3
	1832	-1.5	-0.5
31 M	0041	7.1	2.2
	0653	-1.2	-0.4
	1302	7.4	2.3
	1923	-1.4	-0.4

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0131	7.0	2.1
	0747	-1.1	-0.3
	1355	7.0	2.1
	2014	-1.1	-0.3
2 W	0224	6.9	2.1
	0842	-0.8	-0.2
	1450	6.6	2.0
	2106	-0.7	-0.2
3 Th	0317	6.7	2.0
	0941	-0.6	-0.2
	1546	6.1	1.9
	2200	-0.3	-0.1
4 F	0414	6.5	2.0
	1039	-0.3	-0.1
	1645	5.7	1.7
	2258	0.0	0.0
5 Sa	0513	6.3	1.9
	1141	-0.1	0.0
	1746	5.5	1.7
	2356	0.2	0.1
6 Su	0610	6.2	1.9
	1240	0.0	0.0
	1847	5.4	1.6
7 M	0052	0.4	0.1
	0708	6.3	1.9
	1337	0.1	0.0
	1943	5.5	1.7
8 Tu	0148	0.4	0.1
	0801	6.4	2.0
	1428	0.0	0.0
	2033	5.6	1.7
9 W	0238	0.3	0.1
	0851	6.5	2.0
	1515	-0.1	0.0
	2118	5.8	1.8
10 Th	0323	0.2	0.1
	0932	6.7	2.0
	1556	-0.2	-0.1
	2200	6.0	1.8
11 F	0406	0.1	0.0
	1012	6.8	2.1
	1634	-0.3	-0.1
	2237	6.2	1.9
12 Sa	0443	0.0	0.0
	1051	6.8	2.1
	1710	-0.4	-0.1
	2313	6.4	2.0
13 Su	0520	-0.1	0.0
	1126	6.9	2.1
	1745	-0.4	-0.1
	2347	6.5	2.0
14 M	0557	-0.2	-0.1
	1202	6.8	2.1
	1818	-0.4	-0.1
15 Tu	0022	6.6	2.0
	0633	-0.2	-0.1
	1237	6.7	2.0
	1853	-0.4	-0.1
16 W	0057	6.6	2.0
	0710	-0.3	-0.1
	1313	6.6	2.0
	1928	-0.3	-0.1
17 Th	0134	6.6	2.0
	0750	-0.2	-0.1
	1352	6.4	2.0
	2006	-0.2	-0.1
18 F	0216	6.6	2.0
	0834	-0.1	0.0
	1439	6.1	1.9
	2048	0.0	0.0
19 Sa	0303	6.6	2.0
	0925	0.0	0.0
	1530	5.9	1.8
	2139	0.2	0.1
20 Su	0357	6.5	2.0
	1025	0.1	0.0
	1630	5.6	1.7
	2238	0.4	0.1
21 M	0454	6.5	2.0
	1130	0.1	0.0
	1736	5.6	1.7
	2345	0.4	0.1
22 Tu	0603	6.5	2.0
	1239	0.0	0.0
	1844	5.7	1.7
23 W	0055	0.3	0.1
	0711	6.7	2.0
	1344	-0.3	-0.1
	1951	5.9	1.8
24 Th	0201	0.0	0.0
	0814	7.0	2.1
	1444	-0.6	-0.2
	2051	6.3	1.9
25 F	0302	-0.4	-0.1
	0915	7.3	2.2
	1540	-1.0	-0.3
	2147	6.7	2.0
26 Sa	0358	-0.9	-0.3
	1011	7.5	2.3
	1633	-1.3	-0.4
	2239	7.1	2.2
27 Su	0453	-1.2	-0.4
	1103	7.6	2.3
	1722	-1.4	-0.4
	2329	7.3	2.2
28 M	0544	-1.4	-0.4
	1153	7.5	2.3
	1809	-1.4	-0.4

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0017	7.3	2.2
	0634	-1.4	-0.4
	1243	7.2	2.2
	1857	-1.2	-0.4
2 W	0105	7.3	2.2
	0725	-1.3	-0.4
	1332	6.9	2.1
	1944	-0.9	-0.3
3 Th	0153	7.0	2.1
	0815	-1.0	-0.3
	1421	6.4	2.0
	2034	-0.5	-0.2
4 F	0243	6.8	2.1
	0908	-0.6	-0.2
	1512	6.0	1.8
	2125	-0.1	0.0
5 Sa	0335	6.5	2.0
	1003	-0.2	-0.1
	1608	5.7	1.7
	2220	0.3	0.1
6 Su	0431	6.2	1.9
	1101	0.2	0.1
	1708	5.5	1.7
	2317	0.6	0.2
7 M	0531	6.1	1.9
	1159	0.4	0.1
	1807	5.4	1.6
8 Tu	0017	0.8	0.2
	0630	6.1	1.9
	1259	0.5	0.2
	1904	5.5	1.7
9 W	0114	0.8	0.2
	0725	6.2	1.9
	1352	0.4	0.1
	1957	5.7	1.7
10 Th	0207	0.7	0.2
	0817	6.4	2.0
	1438	0.3	0.1
	2044	6.0	1.8
11 F	0254	0.5	0.2
	0902	6.5	2.0
	1521	0.1	0.0
	2126	6.3	1.9
12 Sa	0336	0.2	0.1
	0944	6.7	2.0
	1600	-0.1	0.0
	2204	6.5	2.0
13 Su	0416	0.0	0.0
	1021	6.8	2.1
	1637	-0.2	-0.1
	2241	6.7	2.0
14 M	0453	-0.3	-0.1
	1058	6.9	2.1
	1712	-0.3	-0.1
	2316	6.9	2.1
15 Tu	0530	-0.4	-0.1
	1133	6.9	2.1
	1746	-0.4	-0.1
	2351	7.0	2.1
16 W	0606	-0.6	-0.2
	1209	6.8	2.1
	1821	-0.4	-0.1
17 Th	0027	7.0	2.1
	0644	-0.6	-0.2
	1249	6.6	2.0
	1857	-0.3	-0.1
18 F	0105	7.0	2.1
	0725	-0.5	-0.2
	1332	6.4	2.0
	1937	-0.1	0.0
19 Sa	0150	7.0	2.1
	0811	-0.4	-0.1
	1418	6.2	1.9
	2023	0.1	0.0
20 Su	0237	6.8	2.1
	0904	-0.1	0.0
	1512	5.9	1.8
	2117	0.4	0.1
21 M	0333	6.7	2.0
	1005	0.1	0.0
	1614	5.8	1.8
	2221	0.6	0.2
22 Tu	0439	6.5	2.0
	1114	0.2	0.1
	1722	5.7	1.7
	2334	0.6	0.2
23 W	0549	6.5	2.0
	1223	0.1	0.0
	1831	5.9	1.8
24 Th	0045	0.5	0.2
	0658	6.6	2.0
	1329	-0.1	0.0
	1938	6.2	1.9
25 F	0152	0.1	0.0
	0804	6.9	2.1
	1428	-0.4	-0.1
	2038	6.7	2.0
26 Sa	0252	-0.4	-0.1
	0903	7.1	2.2
	1523	-0.7	-0.2
	2131	7.1	2.2
27 Su	0347	-0.9	-0.3
	0956	7.3	2.2
	1612	-1.0	-0.3
	2219	7.4	2.3
28 M	0438	-1.3	-0.4
	1047	7.3	2.2
	1701	-1.1	-0.3
	2308	7.5	2.3
29 Tu	0527	-1.4	-0.4
	1136	7.2	2.2
	1745	-1.0	-0.3
	2353	7.5	2.3
30 W	0614	-1.4	-0.4
	1222	7.0	2.1
	1831	-0.8	-0.2
31 Th	0038	7.4	2.3
	0700	-1.2	-0.4
	1307	6.7	2.0
	1915	-0.5	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0123	7.1	2.2	16	0041	7.4	2.3
F	0747	-0.8	-0.2	Sa	0707	-0.7	-0.2
	1352	6.4	2.0		1313	6.5	2.0
	2000	-0.1	0.0		1917	0.1	0.0
2	0210	6.8	2.1	17	0128	7.3	2.2
Sa	0835	-0.4	-0.1	Su	0757	-0.5	-0.2
	1442	6.0	1.8		1404	6.3	1.9
	2050	0.3	0.1		2008	0.3	0.1
3	0259	6.5	2.0	18	0221	7.1	2.2
Su	0927	0.1	0.0	M	0852	-0.2	-0.1
	1533	5.8	1.8		1501	6.2	1.9
	2141	0.7	0.2		2108	0.6	0.2
4	0351	6.3	1.9	19	0320	6.8	2.1
M	1020	0.5	0.2	Tu	0954	0.1	0.0
	1628	5.6	1.7		1605	6.1	1.9
	2238	1.0	0.3		2216	0.7	0.2
5	0447	6.1	1.9	20	0428	6.6	2.0
Tu	1115	0.7	0.2	W	1100	0.2	0.1
	1724	5.6	1.7		1713	6.1	1.9
	2338	1.2	0.4		2328	0.7	0.2
6	0546	6.0	1.8	21	0538	6.6	2.0
W	1214	0.8	0.2	Th	1208	0.2	0.1
	1823	5.8	1.8		1821	6.3	1.9
7	0036	1.1	0.3	22	0037	0.4	0.1
Th	0642	6.1	1.9	F	0647	6.6	2.0
	1306	0.8	0.2		1311	0.0	0.0
	1915	6.0	1.8		1922	6.7	2.0
8	0129	0.9	0.3	23	0141	0.0	0.0
F	0735	6.3	1.9	Sa	0751	6.8	2.1
	1356	0.6	0.2		1409	-0.2	-0.1
	2001	6.3	1.9		2020	7.0	2.1
9	0217	0.7	0.2	24	0241	-0.5	-0.2
Sa	0823	6.5	2.0	Su	0849	6.9	2.1
	1441	0.4	0.1		1503	-0.4	-0.1
	2046	6.6	2.0		2111	7.4	2.3
10	0302	0.3	0.1	25	0334	-0.9	-0.3
Su	0907	6.6	2.0	M	0940	7.0	2.1
	1521	0.2	0.1		1552	-0.6	-0.2
	2126	6.8	2.1		2159	7.6	2.3
11	0344	0.0	0.0	26	0422	-1.1	-0.3
M	0947	6.8	2.1	Tu	1029	7.0	2.1
	1559	0.0	0.0		1636	-0.6	-0.2
	2203	7.1	2.2		2245	7.6	2.3
12	0422	-0.4	-0.1	27	0508	-1.2	-0.4
Tu	1027	6.8	2.1	W	1115	6.9	2.1
	1636	-0.2	-0.1		1721	-0.6	-0.2
	2242	7.2	2.2		2329	7.6	2.3
13	0501	-0.6	-0.2	28	0553	-1.1	-0.3
W	1107	6.8	2.1	Th	1158	6.7	2.0
	1714	-0.2	-0.1		1803	-0.4	-0.1
	2321	7.4	2.3				
14	0540	-0.7	-0.2	29	0012	7.4	2.3
Th	1146	6.8	2.1	F	0636	-0.9	-0.3
	1753	-0.2	-0.1		1243	6.5	2.0
	2359	7.4	2.3		1847	-0.1	0.0
15	0622	-0.8	-0.2	30	0054	7.2	2.2
F	1228	6.7	2.0	Sa	0720	-0.5	-0.2
	1832	-0.1	0.0		1326	6.3	1.9
					1930	0.3	0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0138	6.9	2.1	16	0114	7.5	2.3
Su	0803	-0.1	0.0	M	0744	-0.6	-0.2
	1411	6.1	1.9		1355	6.6	2.0
	2016	0.7	0.2		1959	0.3	0.1
2	0224	6.7	2.0	17	0209	7.3	2.2
M	0850	0.3	0.1	Tu	0843	-0.3	-0.1
	1458	6.0	1.8		1452	6.5	2.0
	2106	1.0	0.3		2101	0.5	0.2
3	0312	6.4	2.0	18	0312	7.0	2.1
Tu	0940	0.6	0.2	W	0943	-0.1	0.0
	1549	5.9	1.8		1557	6.5	2.0
	2159	1.2	0.4		2210	0.6	0.2
4	0405	6.2	1.9	19	0417	6.7	2.0
W	1031	0.8	0.2	Th	1046	0.1	0.0
	1641	6.0	1.8		1700	6.6	2.0
	2255	1.3	0.4		2319	0.5	0.2
5	0500	6.1	1.9	20	0526	6.6	2.0
Th	1125	1.0	0.3	F	1150	0.1	0.0
	1734	6.1	1.9		1805	6.7	2.0
	2351	1.3	0.4				
6	0554	6.1	1.9	21	0025	0.3	0.1
F	1216	0.9	0.3	Sa	0632	6.6	2.0
	1826	6.3	1.9		1252	0.1	0.0
					1905	7.0	2.1
7	0045	1.1	0.3	22	0127	-0.1	0.0
Sa	0648	6.2	1.9	Su	0735	6.6	2.0
	1306	0.8	0.2		1348	-0.1	0.0
	1916	6.5	2.0		2001	7.3	2.2
8	0137	0.8	0.2	23	0225	-0.4	-0.1
Su	0737	6.3	1.9	M	0833	6.7	2.0
	1353	0.6	0.2		1441	-0.2	-0.1
	2001	6.8	2.1		2051	7.4	2.3
9	0222	0.4	0.1	24	0317	-0.7	-0.2
M	0825	6.5	2.0	Tu	0923	6.7	2.0
	1438	0.4	0.1		1529	-0.2	-0.1
	2044	7.1	2.2		2138	7.5	2.3
10	0307	0.0	0.0	25	0404	-0.9	-0.3
Tu	0911	6.6	2.0	W	1011	6.6	2.0
	1519	0.2	0.1		1614	-0.2	-0.1
	2126	7.3	2.2		2224	7.6	2.3
11	0351	-0.4	-0.1	26	0448	-0.9	-0.3
W	0954	6.7	2.0	Th	1055	6.6	2.0
	1600	0.0	0.0		1658	-0.1	0.0
	2208	7.5	2.3		2306	7.5	2.3
12	0435	-0.7	-0.2	27	0531	-0.8	-0.2
Th	1037	6.8	2.1	F	1138	6.5	2.0
	1643	-0.1	0.0		1740	0.1	0.0
	2251	7.7	2.3		2347	7.3	2.2
13	0518	-0.8	-0.2	28	0613	-0.6	-0.2
F	1124	6.8	2.1	Sa	1219	6.4	2.0
	1726	-0.1	0.0		1820	0.3	0.1
	2337	7.7	2.3				
14	0603	-0.9	-0.3	29	0028	7.2	2.2
Sa	1210	6.7	2.0	Su	0654	-0.3	-0.1
	1812	0.0	0.0		1259	6.3	1.9
					1902	0.6	0.2
15	0024	7.7	2.3	30	0109	7.0	2.1
Su	0653	-0.8	-0.2	M	0734	0.0	0.0
	1300	6.7	2.0		1342	6.3	1.9
	1902	0.1	0.0		1947	0.8	0.2
				31	0150	6.8	2.1
				Tu	0816	0.3	0.1
					1424	6.2	1.9
					2032	1.1	0.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0235	6.6	2.0	16	0300	7.1	2.2
W	0901	0.6	0.2	Th	0927	-0.3	-0.1
	1509	6.2	1.9		1541	6.9	2.1
	2120	1.2	0.4		2157	0.2	0.1
2	0322	6.4	2.0	17	0404	6.8	2.1
Th	0948	0.8	0.2	F	1027	-0.1	0.0
	1559	6.3	1.9		1642	6.9	2.1
	2212	1.3	0.4		2303	0.2	0.1
3	0412	6.3	1.9	18	0508	6.6	2.0
F	1036	0.9	0.3	Sa	1128	0.0	0.0
	1647	6.4	2.0		1743	7.0	2.1
	2305	1.2	0.4				
4	0506	6.2	1.9	19	0007	0.0	0.0
Sa	1126	0.9	0.3	Su	0613	6.4	2.0
	1737	6.5	2.0		1227	0.1	0.0
	2359	1.0	0.3		1842	7.1	2.2
5	0559	6.2	1.9	20	0109	-0.2	-0.1
Su	1215	0.8	0.2	M	0717	6.3	1.9
	1827	6.7	2.0		1324	0.1	0.0
					1938	7.2	2.2
6	0051	0.7	0.2	21	0206	-0.3	-0.1
M	0652	6.2	1.9	Tu	0812	6.3	1.9
	1303	0.7	0.2		1417	0.1	0.0
	1916	6.9	2.1		2030	7.3	2.2
7	0141	0.4	0.1	22	0259	-0.5	-0.2
Tu	0744	6.3	1.9	W	0904	6.3	1.9
	1352	0.5	0.2		1507	0.1	0.0
	2004	7.2	2.2		2118	7.4	2.3
8	0232	0.0	0.0	23	0345	-0.5	-0.2
W	0835	6.4	2.0	Th	0952	6.3	1.9
	1441	0.3	0.1		1553	0.1	0.0
	2051	7.5	2.3		2203	7.4	2.3
9	0321	-0.4	-0.1	24	0430	-0.5	-0.2
Th	0923	6.5	2.0	F	1035	6.3	1.9
	1527	0.1	0.0		1636	0.2	0.1
	2139	7.7	2.3		2245	7.3	2.2
10	0408	-0.7	-0.2	25	0512	-0.4	-0.1
F	1012	6.7	2.0	Sa	1117	6.4	2.0
	1615	0.0	0.0		1718	0.3	0.1
	2227	7.9	2.4		2325	7.3	2.2
11	0457	-0.9	-0.3	26	0550	-0.3	-0.1
Sa	1103	6.8	2.1	Su	1155	6.4	2.0
	1705	-0.1	0.0		1757	0.5	0.2
	2317	7.9	2.4				
12	0546	-1.0	-0.3	27	0003	7.1	2.2
Su	1154	6.8	2.1	M	0628	-0.1	0.0
	1757	-0.1	0.0		1233	6.4	2.0
					1838	0.6	0.2
13	0008	7.9	2.4	28	0041	7.0	2.1
M	0638	-0.9	-0.3	Tu	0707	0.1	0.0
	1246	6.9	2.1		1313	6.4	2.0
	1851	0.0	0.0		1917	0.8	0.2
14	0102	7.7	2.3	29	0120	6.9	2.1
Tu	0731	-0.8	-0.2	W	0744	0.2	0.1
	1342	6.9	2.1		1352	6.5	2.0
	1950	0.1	0.0		1958	0.9	0.3
15	0200	7.4	2.3	30	0200	6.7	2.0
W	0827	-0.5	-0.2	Th	0824	0.4	0.1
	1440	6.9	2.1		1431	6.5	2.0
	2053	0.2	0.1		2042	1.0	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0243	6.5	2.0
	0904	0.5	0.2
	1514	6.5	2.0
	2128	1.0	0.3
2 Sa	0328	6.4	2.0
	0949	0.7	0.2
	1602	6.6	2.0
	2220	1.0	0.3
3 Su	0420	6.2	1.9
	1034	0.7	0.2
	1651	6.7	2.0
	2314	0.9	0.3
4 M	0513	6.1	1.9
	1125	0.7	0.2
	1742	6.8	2.1
5 Tu	0007	0.7	0.2
	0607	6.0	1.8
	1219	0.7	0.2
	1834	7.0	2.1
6 W	0103	0.4	0.1
	0706	6.1	1.9
	1311	0.5	0.2
	1929	7.2	2.2
7 Th	0159	0.0	0.0
	0801	6.2	1.9
	1406	0.4	0.1
	2021	7.5	2.3
8 F	0252	-0.3	-0.1
	0857	6.4	2.0
	1501	0.2	0.1
	2115	7.7	2.3
9 Sa	0347	-0.6	-0.2
	0950	6.6	2.0
	1555	0.0	0.0
	2208	7.9	2.4
10 Su	0438	-0.9	-0.3
	1045	6.9	2.1
	1649	-0.2	-0.1
	2301	8.0	2.4
11 M	0529	-1.0	-0.3
	1138	7.1	2.2
	1743	-0.3	-0.1
	2354	8.0	2.4
12 Tu	0622	-1.1	-0.3
	1230	7.2	2.2
	1840	-0.4	-0.1
13 W	0049	7.8	2.4
	0715	-1.0	-0.3
	1325	7.2	2.2
	1936	-0.4	-0.1
14 Th	0145	7.5	2.3
	0808	-0.8	-0.2
	1421	7.2	2.2
	2037	-0.3	-0.1
15 F	0243	7.1	2.2
	0904	-0.5	-0.2
	1517	7.1	2.2
	2138	-0.2	-0.1
16 Sa	0343	6.7	2.0
	1001	-0.2	-0.1
	1617	7.1	2.2
	2241	-0.1	0.0
17 Su	0446	6.4	2.0
	1101	0.0	0.0
	1717	7.0	2.1
	2343	0.0	0.0
18 M	0550	6.2	1.9
	1200	0.2	0.1
	1816	7.0	2.1
19 Tu	0046	-0.1	0.0
	0652	6.1	1.9
	1258	0.3	0.1
	1914	7.0	2.1
20 W	0144	-0.1	0.0
	0751	6.0	1.8
	1353	0.4	0.1
	2007	7.1	2.2
21 Th	0238	-0.2	-0.1
	0842	6.1	1.9
	1444	0.4	0.1
	2057	7.2	2.2
22 F	0324	-0.2	-0.1
	0930	6.2	1.9
	1531	0.4	0.1
	2142	7.2	2.2
23 Sa	0407	-0.2	-0.1
	1012	6.3	1.9
	1614	0.4	0.1
	2224	7.2	2.2
24 Su	0448	-0.2	-0.1
	1052	6.4	2.0
	1656	0.4	0.1
	2301	7.2	2.2
25 M	0525	-0.1	0.0
	1130	6.5	2.0
	1734	0.4	0.1
	2339	7.1	2.2
26 Tu	0601	0.0	0.0
	1206	6.6	2.0
	1811	0.5	0.2
27 W	0015	7.1	2.2
	0635	0.0	0.0
	1241	6.7	2.0
	1849	0.5	0.2
28 Th	0051	6.9	2.1
	0710	0.1	0.0
	1317	6.7	2.0
	1926	0.6	0.2
29 F	0128	6.8	2.1
	0747	0.2	0.1
	1355	6.7	2.0
	2008	0.6	0.2
30 Sa	0208	6.6	2.0
	0824	0.4	0.1
	1435	6.8	2.1
	2050	0.6	0.2
31 Su	0253	6.4	2.0
	0904	0.5	0.2
	1516	6.8	2.1
	2138	0.7	0.2

AUGUST

Day	Time h m	Height ft	Height m
1 M	0338	6.2	1.9
	0950	0.6	0.2
	1607	6.8	2.1
	2231	0.7	0.2
2 Tu	0432	6.0	1.8
	1042	0.7	0.2
	1659	6.8	2.1
	2331	0.6	0.2
3 W	0531	5.9	1.8
	1138	0.8	0.2
	1757	7.0	2.1
4 Th	0031	0.4	0.1
	0634	6.0	1.8
	1240	0.7	0.2
	1859	7.2	2.2
5 F	0131	0.1	0.0
	0736	6.1	1.9
	1341	0.5	0.2
	1957	7.4	2.3
6 Sa	0230	-0.2	-0.1
	0836	6.4	2.0
	1441	0.2	0.1
	2055	7.7	2.3
7 Su	0326	-0.6	-0.2
	0932	6.8	2.1
	1539	-0.1	0.0
	2152	7.9	2.4
8 M	0419	-0.9	-0.3
	1027	7.1	2.2
	1636	-0.5	-0.2
	2246	8.0	2.4
9 Tu	0512	-1.1	-0.3
	1119	7.4	2.3
	1731	-0.7	-0.2
	2340	8.0	2.4
10 W	0602	-1.1	-0.3
	1211	7.5	2.3
	1825	-0.8	-0.2
11 Th	0033	7.8	2.4
	0654	-1.1	-0.3
	1303	7.6	2.3
	1919	-0.8	-0.2
12 F	0126	7.5	2.3
	0744	-0.8	-0.2
	1355	7.5	2.3
	2016	-0.6	-0.2
13 Sa	0221	7.0	2.1
	0837	-0.5	-0.2
	1450	7.3	2.2
	2113	-0.4	-0.1
14 Su	0320	6.6	2.0
	0932	-0.1	0.0
	1546	7.1	2.2
	2213	-0.2	-0.1
15 M	0420	6.2	1.9
	1031	0.2	0.1
	1646	6.9	2.1
	2316	0.1	0.0
16 Tu	0521	6.0	1.8
	1131	0.5	0.2
	1746	6.8	2.1
17 W	0018	0.2	0.1
	0623	5.9	1.8
	1232	0.7	0.2
	1846	6.8	2.1
18 Th	0116	0.3	0.1
	0723	5.9	1.8
	1328	0.7	0.2
	1942	6.8	2.1
19 F	0210	0.2	0.1
	0817	6.1	1.9
	1421	0.7	0.2
	2033	7.0	2.1
20 Sa	0259	0.2	0.1
	0905	6.3	1.9
	1509	0.6	0.2
	2118	7.1	2.2
21 Su	0342	0.1	0.0
	0946	6.5	2.0
	1551	0.5	0.2
	2200	7.1	2.2
22 M	0419	0.0	0.0
	1023	6.6	2.0
	1632	0.4	0.1
	2237	7.2	2.2
23 Tu	0456	0.0	0.0
	1100	6.8	2.1
	1708	0.3	0.1
	2313	7.2	2.2
24 W	0530	0.0	0.0
	1134	6.9	2.1
	1743	0.2	0.1
	2347	7.1	2.2
25 Th	0604	0.0	0.0
	1209	7.0	2.1
	1820	0.2	0.1
26 F	0024	7.0	2.1
	0638	0.1	0.0
	1243	7.0	2.1
	1856	0.2	0.1
27 Sa	0057	6.8	2.1
	0710	0.2	0.1
	1319	7.0	2.1
	1934	0.2	0.1
28 Su	0136	6.6	2.0
	0747	0.3	0.1
	1357	7.0	2.1
	2016	0.3	0.1
29 M	0219	6.4	2.0
	0826	0.5	0.2
	1440	7.0	2.1
	2105	0.4	0.1
30 Tu	0306	6.2	1.9
	0912	0.7	0.2
	1528	6.9	2.1
	2158	0.5	0.2
31 W	0402	6.0	1.8
	1007	0.8	0.2
	1626	6.9	2.1
	2301	0.6	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0506	5.9	1.8
	1110	0.9	0.3
	1731	6.9	2.1
2 F	0006	0.5	0.2
	0611	6.0	1.8
	1220	0.8	0.2
	1836	7.0	2.1
3 Sa	0111	0.3	0.1
	0717	6.2	1.9
	1327	0.6	0.2
	1940	7.3	2.2
4 Su	0211	-0.1	0.0
	0820	6.6	2.0
	1430	0.2	0.1
	2041	7.5	2.3
5 M	0307	-0.5	-0.2
	0915	7.1	2.2
	1527	-0.3	-0.1
	2138	7.8	2.4
6 Tu	0400	-0.8	-0.2
	1008	7.4	2.3
	1622	-0.7	-0.2
	2232	7.9	2.4
7 W	0451	-1.0	-0.3
	1100	7.7	2.3
	1715	-1.0	-0.3
	2323	7.8	2.4
8 Th	0541	-1.1	-0.3
	1149	7.8	2.4
	1806	-1.1	-0.3
9 F	0015	7.6	2.3
	0628	-1.0	-0.3
	1238	7.8	2.4
	1857	-1.1	-0.3
10 Sa	0105	7.3	2.2
	0718	-0.7	-0.2
	1329	7.6	2.3
	1951	-0.8	-0.2
11 Su	0158	6.9	2.1
	0808	-0.3	-0.1
	1419	7.3	2.2
	2045	-0.5	-0.2
12 M	0252	6.4	2.0
	0901	0.1	0.0
	1515	7.0	2.1
	2143	-0.1	0.0
13 Tu	0348	6.1	1.9
	0957	0.5	0.2
	1613	6.8	2.1
	2242	0.3	0.1
14 W	0450	5.9	1.8
	1058	0.9	0.3
	1711	6.6	2.0
	2344	0.5	0.2
15 Th	0552	5.8	1.8
	1201	1.0	0.3
	1812	6.5	2.0
16 F	0044	0.6	0.2
	0652	5.9	1.8
	1258	1.0	0.3
	1911	6.6	2.0
17 Sa	0135	0.6	0.2
	0745	6.2	1.9
	1353	0.9	0.3
	2001	6.8	2.1
18 Su	0225	0.5	0.2
	0830	6.4	2.0
	1440	0.7	0.2
	2049	6.9	2.1
19 M	0307	0.4	0.1
	0914	6.7	2.0
	1523	0.5	0.2
	2129	7.0	2.1
20 Tu	0347	0.2	0.1
	0951	6.9	2.1
	1603	0.3	0.1
	2207	7.1	2.2
21 W	0422	0.1	0.0
	1027	7.1	2.2
	1640	0.1	0.0
	2243	7.1	2.2
22 Th	0457	0.0	0.0
	1101	7.2	2.2
	1715	0.0	0.0
	2318	7.1	2.2
23 F	0529	0.0	0.0
	1136	7.3	2.2
	1752	-0.1	0.0
	2354	7.0	2.1
24 Sa	0604	0.0	0.0
	1209	7.3	2.2
	1828	-0.1	0.0
25 Su	0031	6.8	2.1
	0638	0.1	0.0
	1246	7.3	2.2
	1906	-0.1	0.0
26 M	0110	6.6	2.0
	0715	0.3	0.1
	1326	7.2	2.2
	1950	0.1	0.0
27 Tu	0154	6.4	2.0
	0755	0.5	0.2
	1411	7.1	2.2
	2037	0.2	0.1
28 W	0245	6.2	1.9
	0847	0.8	0.2
	1503	7.0	2.1
	2136	0.4	0.1
29 Th	0341	6.0	1.8
	0946	1.0	0.3
	1605	6.9	2.1
	2239	0.6	0.2
30 F	0447	6.0	1.8
	1057	1.1	0.3
	1713	6.8	2.1
	2347	0.5	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0556	6.1	1.9	16 Su	0055	0.8	0.2
	1209	0.9	0.3		0704	6.2	1.9
	1823	6.9	2.1		1316	1.1	0.3
					1924	6.5	2.0
2 Su	0052	0.3	0.1	17 M	0143	0.7	0.2
	0702	6.5	2.0		0751	6.5	2.0
	1316	0.5	0.2		1405	0.8	0.2
	1928	7.1	2.2		2009	6.6	2.0
3 M	0154	0.0	0.0	18 Tu	0226	0.5	0.2
	0804	6.9	2.1		0833	6.8	2.1
	1420	0.0	0.0		1449	0.5	0.2
	2028	7.3	2.2		2053	6.8	2.1
4 Tu	0249	-0.4	-0.1	19 W	0307	0.3	0.1
	0859	7.3	2.2		0912	7.0	2.1
	1515	-0.5	-0.2		1529	0.2	0.1
	2123	7.5	2.3		2134	6.9	2.1
5 W	0342	-0.7	-0.2	20 Th	0344	0.2	0.1
	0950	7.7	2.3		0950	7.2	2.2
	1609	-0.9	-0.3		1608	-0.1	0.0
	2216	7.6	2.3		2211	6.9	2.1
6 Th	0430	-0.9	-0.3	21 F	0421	0.0	0.0
	1038	7.9	2.4		1026	7.4	2.3
	1659	-1.2	-0.4		1645	-0.3	-0.1
	2306	7.5	2.3		2248	6.9	2.1
7 F	0517	-0.9	-0.3	22 Sa	0457	0.0	0.0
	1127	7.9	2.4		1102	7.5	2.3
	1748	-1.3	-0.4		1725	-0.4	-0.1
	2355	7.3	2.2		2327	6.8	2.1
8 Sa	0604	-0.8	-0.2	23 Su	0532	0.0	0.0
	1213	7.8	2.4		1140	7.5	2.3
	1837	-1.1	-0.3		1802	-0.5	-0.2
9 Su	0043	7.0	2.1	24 M	0006	6.7	2.0
	0650	-0.5	-0.2		0611	0.1	0.0
	1300	7.6	2.3		1220	7.5	2.3
	1926	-0.8	-0.2		1843	-0.4	-0.1
10 M	0131	6.6	2.0	25 Tu	0049	6.6	2.0
	0739	-0.1	0.0		0649	0.3	0.1
	1349	7.3	2.2		1302	7.4	2.3
	2016	-0.4	-0.1		1930	-0.2	-0.1
11 Tu	0223	6.3	1.9	26 W	0136	6.4	2.0
	0829	0.4	0.1		0738	0.5	0.2
	1440	6.9	2.1		1350	7.2	2.2
	2109	0.1	0.0		2021	0.0	0.0
12 W	0317	6.0	1.8	27 Th	0229	6.2	1.9
	0925	0.8	0.2		0832	0.8	0.2
	1535	6.6	2.0		1448	7.0	2.1
	2205	0.5	0.2		2120	0.2	0.1
13 Th	0414	5.9	1.8	28 F	0330	6.1	1.9
	1023	1.1	0.3		0937	0.9	0.3
	1634	6.4	2.0		1549	6.8	2.1
	2304	0.8	0.2		2225	0.4	0.1
14 F	0514	5.9	1.8	29 Sa	0435	6.1	1.9
	1123	1.3	0.4		1048	0.9	0.3
	1733	6.3	1.9		1659	6.7	2.0
					2331	0.4	0.1
15 Sa	0001	0.9	0.3	30 Su	0544	6.3	1.9
	0610	6.0	1.8		1200	0.7	0.2
	1223	1.3	0.4		1808	6.7	2.0
	1831	6.4	2.0				
				31 M	0036	0.2	0.1
					0647	6.7	2.0
					1306	0.3	0.1
					1914	6.8	2.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0135	-0.1	0.0	16 W	0140	0.6	0.2
	0746	7.1	2.2		0749	6.7	2.0
	1408	-0.2	-0.1		1409	0.5	0.2
	2014	7.0	2.1		2012	6.4	2.0
2 W	0230	-0.4	-0.1	17 Th	0223	0.4	0.1
	0841	7.4	2.3		0833	7.0	2.1
	1502	-0.7	-0.2		1454	0.1	0.0
	2110	7.1	2.2		2055	6.5	2.0
3 Th	0321	-0.6	-0.2	18 F	0305	0.2	0.1
	0931	7.7	2.3		0913	7.2	2.2
	1555	-1.0	-0.3		1536	-0.2	-0.1
	2201	7.1	2.2		2137	6.5	2.0
4 F	0409	-0.7	-0.2	19 Sa	0344	0.0	0.0
	1019	7.8	2.4		0952	7.4	2.3
	1643	-1.2	-0.4		1618	-0.5	-0.2
	2248	7.0	2.1		2219	6.6	2.0
5 Sa	0456	-0.7	-0.2	20 Su	0424	-0.1	0.0
	1105	7.8	2.4		1033	7.5	2.3
	1730	-1.2	-0.4		1657	-0.7	-0.2
	2335	6.9	2.1		2301	6.6	2.0
6 Su	0539	-0.5	-0.2	21 M	0505	-0.1	0.0
	1150	7.7	2.3		1114	7.6	2.3
	1815	-1.0	-0.3		1742	-0.7	-0.2
					2346	6.6	2.0
7 M	0021	6.6	2.0	22 Tu	0548	0.0	0.0
	0625	-0.2	-0.1		1159	7.6	2.3
	1235	7.5	2.3		1827	-0.7	-0.2
	1902	-0.7	-0.2				
8 Tu	0107	6.4	2.0	23 W	0033	6.5	2.0
	0710	0.1	0.0		0634	0.1	0.0
	1321	7.2	2.2		1246	7.5	2.3
	1949	-0.3	-0.1		1915	-0.6	-0.2
9 W	0155	6.2	1.9	24 Th	0123	6.4	2.0
	0758	0.5	0.2		0726	0.3	0.1
	1407	6.8	2.1		1338	7.3	2.2
	2035	0.1	0.0		2008	-0.3	-0.1
10 Th	0243	6.0	1.8	25 F	0218	6.4	2.0
	0849	0.9	0.3		0824	0.4	0.1
	1458	6.6	2.0		1435	7.0	2.1
	2126	0.5	0.2		2106	-0.1	0.0
11 F	0335	5.9	1.8	26 Sa	0317	6.3	1.9
	0944	1.1	0.3		0930	0.6	0.2
	1551	6.3	1.9		1539	6.7	2.0
	2220	0.7	0.2		2209	0.0	0.0
12 Sa	0430	5.9	1.8	27 Su	0423	6.4	2.0
	1041	1.3	0.4		1039	0.5	0.2
	1647	6.2	1.9		1646	6.5	2.0
	2312	0.9	0.3		2312	0.1	0.0
13 Su	0524	6.0	1.8	28 M	0527	6.5	2.0
	1138	1.3	0.4		1147	0.3	0.1
	1743	6.1	1.9		1754	6.4	2.0
14 M	0005	0.9	0.3	29 Tu	0015	0.0	0.0
	0616	6.2	1.9		0630	6.7	2.0
	1232	1.1	0.3		1252	0.0	0.0
	1836	6.2	1.9		1900	6.4	2.0
15 Tu	0055	0.8	0.2	30 W	0114	-0.1	0.0
	0705	6.5	2.0		0729	7.0	2.1
	1324	0.8	0.2		1353	-0.4	-0.1
	1924	6.3	1.9		1959	6.5	2.0

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0211	-0.3	-0.1	16 F	0137	0.4	0.1
	0823	7.3	2.2		0749	6.8	2.1
	1451	-0.8	-0.2		1417	0.0	0.0
	2054	6.5	2.0		2017	6.0	1.8
2 F	0302	-0.4	-0.1	17 Sa	0225	0.2	0.1
	0913	7.5	2.3		0836	7.0	2.1
	1540	-1.0	-0.3		1503	-0.3	-0.1
	2145	6.5	2.0		2107	6.2	1.9
3 Sa	0350	-0.5	-0.2	18 Su	0311	0.0	0.0
	1000	7.5	2.3		0921	7.3	2.2
	1627	-1.1	-0.3		1550	-0.6	-0.2
	2233	6.5	2.0		2153	6.3	1.9
4 Su	0435	-0.5	-0.2	19 M	0355	-0.2	-0.1
	1047	7.5	2.3		1007	7.5	2.3
	1714	-1.1	-0.3		1635	-0.9	-0.3
	2317	6.4	2.0		2240	6.4	2.0
5 M	0519	-0.3	-0.1	20 Tu	0444	-0.3	-0.1
	1129	7.4	2.3		1054	7.6	2.3
	1756	-0.9	-0.3		1723	-1.0	-0.3
					2328	6.5	2.0
6 Tu	0000	6.3	1.9	21 W	0531	-0.3	-0.1
	0603	-0.1	0.0		1142	7.6	2.3
	1212	7.2	2.2		1812	-1.0	-0.3
	1839	-0.6	-0.2				
7 W	0042	6.2	1.9	22 Th	0017	6.6	2.0
	0646	0.1	0.0		0622	-0.3	-0.1
	1255	7.0	2.1		1233	7.5	2.3
	1920	-0.3	-0.1		1902	-1.0	-0.3
8 Th	0126	6.1	1.9	23 F	0110	6.6	2.0
	0731	0.4	0.1		0716	-0.3	-0.1
	1338	6.8	2.1		1326	7.3	2.2
	2003	0.0	0.0		1954	-0.8	-0.2
9 F	0210	6.1	1.9	24 Sa	0203	6.6	2.0
	0816	0.7	0.2		0816	-0.2	-0.1
	1421	6.5	2.0		1424	7.0	2.1
	2047	0.3	0.1		2050	-0.6	-0.2
10 Sa	0256	6.0	1.8	25 Su	0301	6.6	2.0
	0904	0.9	0.3		0917	-0.1	0.0
	1509	6.3	1.9		1525	6.6	2.0
	2133	0.5	0.2		2149	-0.4	-0.1
11 Su	0343	6.0	1.8	26 M	0404	6.5	2.0
	0956	1.0	0.3		1023	0.0	0.0
	1558	6.1	1.9		1630	6.3	1.9
	2221	0.6	0.2		2250	-0.2	-0.1
12 M	0433	6.1	1.9	27 Tu	0507	6.6	2.0
	1049	1.0	0.3		1130	-0.1	0.0
	1651	5.9	1.8		1735	6.1	1.9
	2310	0.7	0.2		2352	-0.2	-0.1
13 Tu	0523	6.2	1.9	28 W	0608	6.7	2.0
	1143	0.9	0.3		1235	-0.3	-0.1
	1744	5.9	1.8		1842	6.0	1.8
14 W	0001	0.7	0.2	29 Th	0053	-0.2	-0.1
	0613	6.3	1.9		0708	6.8	2.1
	1236	0.7	0.2		1337	-0.5	-0.2
	1836	5.9	1.8		1943	6.0	1.8
15 Th	0050	0.5	0.2	30 F	0149	-0.2	-0.1
	0703	6.5	2.0		0804	7.0	2.1
	1327	0.4	0.1		1433	-0.7	-0.2
	1927	5.9	1.8		2039	6.0	1.8
				31 Sa	0244	-0.3	-0.1
					0857	7.1	2.2
					1524	-0.9	-0.3
					2131	6.1	1.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft	Height m
1 Sa	0016	7.2	2.2
	0644	-0.8	-0.2
	1224	8.1	2.5
	1935	-1.6	-0.5
2 Su	0113	7.2	2.2
	0746	-0.7	-0.2
	1322	7.8	2.4
	2031	-1.4	-0.4
3 M	0215	7.2	2.2
	0849	-0.6	-0.2
	1427	7.4	2.3
	2128	-1.1	-0.3
4 Tu	0318	7.1	2.2
	0955	-0.5	-0.2
	1541	7.0	2.1
	2227	-0.7	-0.2
5 W	0427	7.0	2.1
	1100	-0.4	-0.1
	1654	6.6	2.0
	2327	-0.5	-0.2
6 Th	0531	7.0	2.1
	1205	-0.4	-0.1
	1802	6.4	2.0
7 F	0027	-0.3	-0.1
	0633	7.0	2.1
	1305	-0.4	-0.1
	1905	6.3	1.9
8 Sa	0123	-0.1	0.0
	0731	7.1	2.2
	1403	-0.5	-0.2
	2001	6.3	1.9
9 Su	0216	-0.1	0.0
	0824	7.1	2.2
	1455	-0.6	-0.2
	2055	6.3	1.9
10 M	0307	-0.1	0.0
	0914	7.2	2.2
	1543	-0.7	-0.2
	2143	6.4	2.0
11 Tu	0352	0.0	0.0
	1000	7.2	2.2
	1629	-0.7	-0.2
	2228	6.4	2.0
12 W	0433	0.0	0.0
	1041	7.2	2.2
	1710	-0.7	-0.2
	2309	6.5	2.0
13 Th	0513	0.1	0.0
	1116	7.1	2.2
	1747	-0.6	-0.2
	2345	6.5	2.0
14 F	0545	0.2	0.1
	1141	7.0	2.1
	1822	-0.4	-0.1
15 Sa	0012	6.5	2.0
	0608	0.2	0.1
	1149	7.0	2.1
	1845	-0.3	-0.1
16 Su	0021	6.5	2.0
	0626	0.2	0.1
	1212	7.0	2.1
	1901	-0.2	-0.1
17 M	0042	6.6	2.0
	0656	0.2	0.1
	1247	7.1	2.2
	1921	-0.2	-0.1
18 Tu	0113	6.8	2.1
	0731	0.2	0.1
	1324	7.0	2.1
	1954	-0.1	0.0
19 W	0153	6.9	2.1
	0812	0.2	0.1
	1407	6.9	2.1
	2033	-0.1	0.0
20 Th	0235	7.0	2.1
	0857	0.2	0.1
	1456	6.7	2.0
	2116	0.0	0.0
21 F	0324	7.0	2.1
	0949	0.3	0.1
	1547	6.5	2.0
	2206	0.1	0.0
22 Sa	0416	7.1	2.2
	1047	0.3	0.1
	1644	6.2	1.9
	2259	0.2	0.1
23 Su	0512	7.1	2.2
	1153	0.2	0.1
	1747	6.1	1.9
24 M	0001	0.3	0.1
	0614	7.2	2.2
	1325	0.0	0.0
	1855	6.1	1.9
25 Tu	0107	0.2	0.1
	0717	7.3	2.2
	1450	-0.4	-0.1
	2005	6.3	1.9
26 W	0227	0.0	0.0
	0824	7.6	2.3
	1551	-0.9	-0.3
	2117	6.6	2.0
27 Th	0346	-0.3	-0.1
	0927	7.8	2.4
	1649	-1.3	-0.4
	2220	6.9	2.1
28 F	0449	-0.7	-0.2
	1030	8.0	2.4
	1740	-1.6	-0.5
	2316	7.3	2.2
29 Sa	0547	-1.0	-0.3
	1129	8.1	2.5
	1830	-1.8	-0.5
30 Su	0010	7.5	2.3
	0643	-1.2	-0.4
	1224	8.0	2.4
	1919	-1.7	-0.5
31 M	0102	7.6	2.3
	0738	-1.2	-0.4
	1320	7.8	2.4
	2007	-1.5	-0.5

FEBRUARY

Day	Time	Height ft	Height m
1 Tu	0156	7.5	2.3
	0831	-1.1	-0.3
	1415	7.4	2.3
	2100	-1.1	-0.3
2 W	0252	7.3	2.2
	0929	-0.8	-0.2
	1516	6.9	2.1
	2153	-0.7	-0.2
3 Th	0350	7.1	2.2
	1030	-0.5	-0.2
	1624	6.5	2.0
	2248	-0.3	-0.1
4 F	0453	6.9	2.1
	1131	-0.3	-0.1
	1728	6.2	1.9
	2349	0.1	0.0
5 Sa	0556	6.8	2.1
	1233	-0.1	0.0
	1831	6.0	1.8
6 Su	0048	0.3	0.1
	0659	6.7	2.0
	1331	-0.1	0.0
	1931	6.0	1.8
7 M	0144	0.4	0.1
	0756	6.8	2.1
	1427	-0.1	0.0
	2027	6.1	1.9
8 Tu	0237	0.4	0.1
	0847	6.9	2.1
	1517	-0.2	-0.1
	2117	6.2	1.9
9 W	0327	0.4	0.1
	0936	7.0	2.1
	1603	-0.3	-0.1
	2204	6.4	2.0
10 Th	0410	0.3	0.1
	1018	7.0	2.1
	1644	-0.3	-0.1
	2245	6.5	2.0
11 F	0450	0.2	0.1
	1055	7.1	2.2
	1722	-0.3	-0.1
	2320	6.6	2.0
12 Sa	0525	0.1	0.0
	1121	7.0	2.1
	1754	-0.3	-0.1
	2342	6.7	2.0
13 Su	0550	0.1	0.0
	1130	7.1	2.2
	1816	-0.3	-0.1
	2350	6.8	2.1
14 M	0610	0.0	0.0
	1150	7.1	2.2
	1832	-0.3	-0.1
15 Tu	0013	7.0	2.1
	0636	-0.1	0.0
	1222	7.2	2.2
	1854	-0.3	-0.1
16 W	0045	7.2	2.2
	0709	-0.2	-0.1
	1300	7.2	2.2
	1924	-0.3	-0.1
17 Th	0122	7.4	2.3
	0748	-0.2	-0.1
	1345	7.1	2.2
	2003	-0.3	-0.1
18 F	0206	7.4	2.3
	0831	-0.2	-0.1
	1431	6.9	2.1
	2046	-0.1	0.0
19 Sa	0254	7.4	2.3
	0922	0.0	0.0
	1523	6.6	2.0
	2134	0.1	0.0
20 Su	0345	7.3	2.2
	1018	0.2	0.1
	1619	6.3	1.9
	2230	0.3	0.1
21 M	0443	7.2	2.2
	1127	0.3	0.1
	1724	6.1	1.9
	2333	0.5	0.2
22 Tu	0548	7.1	2.2
	1323	0.2	0.1
	1838	6.0	1.8
23 W	0057	0.5	0.2
	0700	7.1	2.2
	1442	-0.2	-0.1
	2002	6.3	1.9
24 Th	0242	0.2	0.1
	0821	7.3	2.2
	1541	-0.7	-0.2
	2117	6.7	2.0
25 F	0351	-0.3	-0.1
	0932	7.6	2.3
	1635	-1.2	-0.4
	2217	7.2	2.2
26 Sa	0449	-0.9	-0.3
	1034	7.9	2.4
	1725	-1.5	-0.5
	2308	7.6	2.3
27 Su	0540	-1.2	-0.4
	1127	8.0	2.4
	1811	-1.6	-0.5
	2357	7.8	2.4
28 M	0631	-1.4	-0.4
	1218	8.0	2.4
	1858	-1.6	-0.5

MARCH

Day	Time	Height ft	Height m
1 Tu	0042	7.9	2.4
	0719	-1.4	-0.4
	1305	7.7	2.3
	1942	-1.3	-0.4
2 W	0130	7.8	2.4
	0810	-1.2	-0.4
	1356	7.3	2.2
	2027	-0.9	-0.3
3 Th	0217	7.5	2.3
	0900	-0.9	-0.3
	1449	6.9	2.1
	2113	-0.4	-0.1
4 F	0309	7.2	2.2
	0955	-0.4	-0.1
	1547	6.5	2.0
	2203	0.1	0.0
5 Sa	0409	6.8	2.1
	1054	0.0	0.0
	1651	6.1	1.9
	2301	0.5	0.2
6 Su	0515	6.6	2.0
	1156	0.3	0.1
	1756	5.9	1.8
7 M	0006	0.9	0.3
	0619	6.4	2.0
	1256	0.5	0.2
	1857	5.9	1.8
8 Tu	0106	1.0	0.3
	0723	6.5	2.0
	1352	0.5	0.2
	1956	6.1	1.9
9 W	0205	0.9	0.3
	0818	6.6	2.0
	1443	0.4	0.1
	2047	6.3	1.9
10 Th	0255	0.8	0.2
	0906	6.8	2.1
	1529	0.3	0.1
	2133	6.5	2.0
11 F	0340	0.6	0.2
	0951	6.9	2.1
	1610	0.1	0.0
	2212	6.7	2.0
12 Sa	0420	0.3	0.1
	1026	7.0	2.1
	1648	0.0	0.0
	2244	6.9	2.1
13 Su	0456	0.1	0.0
	1049	7.1	2.2
	1721	-0.1	0.0
	2302	7.0	2.1
14 M	0525	-0.1	0.0
	1102	7.2	2.2
	1740	-0.2	-0.1
	2313	7.2	2.2
15 Tu	0548	-0.3	-0.1
	1126	7.3	2.2
	1757	-0.3	-0.1
	2340	7.5	2.3
16 W	0616	-0.4	-0.1
	1201	7.3	2.2
	1824	-0.3	-0.1
17 Th	0015	7.7	2.3
	0648	-0.5	-0.2
	1239	7.3	2.2
	1857	-0.3	-0.1
18 F	0057	7.8	2.4
	0729	-0.5	-0.2
	1322	7.2	2.2
	1938	-0.2	-0.1
19 Sa	0140	7.8	2.4
	0811	-0.3	-0.1
	1409	6.9	2.1
	2022	0.0	0.0
20 Su	0227	7.7	2.3
	0902	-0.1	0.0
	1502	6.6	2.0
	2113	0.3	0.1
21 M	0322	7.4	2.3
	1003	0.2	0.1
	1601	6.3	1.9
	2211	0.7	0.2
22 Tu	0424	7.1	2.2
	1130	0.5	0.2
	1712	6.2	1.9
	2327	0.9	0.3
23 W	0533	7.0	2.1
	1320	0.3	0.1
	1840	6.2	1.9
24 Th	0131	0.7	0.2
	0702	7.0	2.1
	1429	-0.1	0.0
	2010	6.6	2.0
25 F	0247	0.2	0.1
	0832	7.2	2.2
	1527	-0.6	-0.2
	2111	7.1	2.2
26 Sa	0346	-0.5	-0.2
	0935	7.6	2.3
	1617	-1.0	-0.3
	2204	7.6	2.3
27 Su	0439	-1.0	-0.3
	1029	7.8	2.4
	1705	-1.2	-0.4
	2253	7.9	2.4
28 M	0527	-1.4	-0.4
	1118	7.9	2.4
	1750	-1.3	-0.4
	2338	8.1	2.5
29 Tu	0614	-1.5	-0.5
	1204	7.8	2.4
	1833	-1.2	-0.4
30 W	0021	8.0	2.4
	0701	-1.4	-0.4
	1249	7.5	2.3
	1912	-0.9	-0.3
31 Th	0103	7.9	2.4
	0745	-1.1	-0.3
	1332	7.2	2.2
	1954	-0.5	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0143	7.6	2.3	16	0033	8.2	2.5
F	0830	-0.7	-0.2	Sa	0714	-0.6	-0.2
	1420	6.8	2.1		1305	7.2	2.2
	2031	0.0	0.0		1916	0.0	0.0
2	0223	7.2	2.2	17	0119	8.0	2.4
Sa	0917	-0.2	-0.1	Su	0801	-0.4	-0.1
	1508	6.4	2.0		1354	7.0	2.1
	2107	0.5	0.2		2004	0.2	0.1
3	0310	6.8	2.1	18	0211	7.8	2.4
Su	1013	0.3	0.1	M	0855	-0.1	0.0
	1608	6.1	1.9		1451	6.7	2.0
	2153	0.9	0.3		2100	0.6	0.2
4	0409	6.5	2.0	19	0308	7.4	2.3
M	1110	0.7	0.2	Tu	1006	0.3	0.1
	1712	6.0	1.8		1555	6.5	2.0
	2307	1.3	0.4		2209	0.9	0.3
5	0531	6.3	1.9	20	0413	7.1	2.2
Tu	1212	0.9	0.3	W	1153	0.4	0.1
	1818	6.0	1.8		1715	6.4	2.0
6	0021	1.4	0.4	21	0010	0.9	0.3
W	0640	6.3	1.9	Th	0537	6.8	2.1
	1309	1.0	0.3		1308	0.2	0.1
	1917	6.2	1.9		1854	6.7	2.0
7	0125	1.4	0.4	22	0134	0.5	0.2
Th	0740	6.4	2.0	F	0720	6.9	2.1
	1402	0.9	0.3		1410	-0.1	0.0
	2008	6.4	2.0		2003	7.1	2.2
8	0218	1.1	0.3	23	0237	-0.1	0.0
F	0829	6.6	2.0	Sa	0829	7.2	2.2
	1447	0.7	0.2		1506	-0.5	-0.2
	2053	6.7	2.0		2058	7.5	2.3
9	0304	0.8	0.2	24	0332	-0.6	-0.2
Sa	0911	6.7	2.0	Su	0927	7.5	2.3
	1529	0.5	0.2		1556	-0.7	-0.2
	2130	6.9	2.1		2148	7.9	2.4
10	0346	0.4	0.1	25	0423	-1.1	-0.3
Su	0943	6.9	2.1	M	1017	7.6	2.3
	1605	0.3	0.1		1642	-0.9	-0.3
	2154	7.1	2.2		2236	8.1	2.5
11	0423	0.1	0.0	26	0511	-1.3	-0.4
M	1005	7.0	2.1	Tu	1104	7.6	2.3
	1633	0.1	0.0		1726	-0.8	-0.2
	2209	7.4	2.3		2318	8.1	2.5
12	0456	-0.2	-0.1	27	0557	-1.4	-0.4
Tu	1025	7.2	2.2	W	1147	7.5	2.3
	1657	-0.1	0.0		1807	-0.7	-0.2
	2236	7.7	2.3		2359	8.0	2.4
13	0524	-0.5	-0.2	28	0641	-1.2	-0.4
W	1100	7.3	2.2	Th	1229	7.2	2.2
	1723	-0.2	-0.1		1845	-0.4	-0.1
	2310	7.9	2.4				
14	0555	-0.6	-0.2	29	0037	7.8	2.4
Th	1136	7.3	2.2	F	0722	-0.9	-0.3
	1755	-0.3	-0.1		1311	7.0	2.1
	2350	8.1	2.5		1919	0.0	0.0
15	0630	-0.7	-0.2	30	0110	7.5	2.3
F	1219	7.3	2.2	Sa	0804	-0.5	-0.2
	1834	-0.2	-0.1		1351	6.7	2.0
					1946	0.4	0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0142	7.2	2.2	16	0104	8.1	2.5
Su	0843	0.0	0.0	M	0804	-0.5	-0.2
	1431	6.5	2.0		1346	7.0	2.1
	2015	0.8	0.2		2001	0.3	0.1
2	0217	6.9	2.1	17	0159	7.8	2.4
M	0924	0.5	0.2	Tu	0910	-0.2	-0.1
	1515	6.3	1.9		1446	6.8	2.1
	2054	1.1	0.3		2109	0.6	0.2
3	0259	6.6	2.0	18	0300	7.4	2.3
Tu	1014	0.8	0.2	W	1027	0.0	0.0
	1609	6.1	1.9		1600	6.7	2.0
	2145	1.4	0.4		2246	0.7	0.2
4	0349	6.4	2.0	19	0416	7.0	2.1
W	1109	1.1	0.3	Th	1143	0.1	0.0
	1719	6.1	1.9		1730	6.8	2.1
	2253	1.6	0.5				
5	0448	6.3	1.9	20	0012	0.5	0.2
Th	1207	1.2	0.4	F	0556	6.9	2.1
	1820	6.3	1.9		1248	0.0	0.0
					1846	7.1	2.2
6	0022	1.5	0.5	21	0122	0.1	0.0
F	0611	6.2	1.9	Sa	0715	6.9	2.1
	1302	1.2	0.4		1348	-0.2	-0.1
	1910	6.5	2.0		1947	7.4	2.3
7	0125	1.3	0.4	22	0221	-0.3	-0.1
Sa	0718	6.3	1.9	Su	0816	7.1	2.2
	1349	1.0	0.3		1442	-0.3	-0.1
	1950	6.7	2.0		2040	7.7	2.3
8	0218	0.9	0.3	23	0314	-0.7	-0.2
Su	0802	6.5	2.0	M	0911	7.2	2.2
	1430	0.8	0.2		1532	-0.5	-0.2
	2018	7.0	2.1		2130	7.9	2.4
9	0303	0.5	0.2	24	0405	-1.0	-0.3
M	0835	6.7	2.0	Tu	0959	7.2	2.2
	1506	0.5	0.2		1618	-0.5	-0.2
	2048	7.3	2.2		2215	8.0	2.4
10	0344	0.1	0.0	25	0453	-1.1	-0.3
Tu	0911	6.9	2.1	W	1047	7.2	2.2
	1540	0.3	0.1		1703	-0.4	-0.1
	2121	7.7	2.3		2259	8.0	2.4
11	0423	-0.3	-0.1	26	0538	-1.1	-0.3
W	0950	7.1	2.2	Th	1131	7.1	2.2
	1612	0.0	0.0		1744	-0.2	-0.1
	2159	8.0	2.4		2339	7.8	2.4
12	0459	-0.6	-0.2	27	0621	-0.9	-0.3
Th	1031	7.2	2.2	F	1213	6.9	2.1
	1649	-0.1	0.0		1821	0.0	0.0
	2241	8.2	2.5				
13	0538	-0.8	-0.2	28	0013	7.6	2.3
F	1116	7.3	2.2	Sa	0700	-0.6	-0.2
	1730	-0.2	-0.1		1252	6.8	2.1
	2327	8.3	2.5		1853	0.3	0.1
14	0621	-0.8	-0.2	29	0044	7.4	2.3
Sa	1203	7.3	2.2	Su	0736	-0.2	-0.1
	1815	-0.1	0.0		1327	6.6	2.0
					1915	0.6	0.2
15	0013	8.3	2.5	30	0108	7.2	2.2
Su	0709	-0.7	-0.2	M	0812	0.2	0.1
	1253	7.2	2.2		1354	6.5	2.0
	1905	0.1	0.0		1943	0.9	0.3
				31	0139	7.0	2.1
				Tu	0836	0.5	0.2
					1425	6.5	2.0
					2020	1.1	0.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0217	6.8	2.1	16	0300	7.4	2.3
W	0902	0.7	0.2	Th	1018	-0.4	-0.1
	1500	6.4	2.0		1605	7.1	2.2
	2104	1.3	0.4		2246	0.2	0.1
2	0300	6.7	2.0	17	0424	7.1	2.2
Th	0942	0.9	0.3	F	1121	-0.2	-0.1
	1545	6.5	2.0		1719	7.2	2.2
	2155	1.4	0.4		2355	0.1	0.0
3	0350	6.5	2.0	18	0548	6.9	2.1
F	1027	1.0	0.3	Sa	1224	-0.1	0.0
	1632	6.5	2.0		1824	7.4	2.3
	2255	1.4	0.4				
4	0444	6.4	2.0	19	0100	-0.1	0.0
Sa	1118	1.0	0.3	Su	0656	6.9	2.1
	1723	6.7	2.0		1322	-0.1	0.0
					1925	7.5	2.3
5	0000	1.2	0.4	20	0159	-0.4	-0.1
Su	0541	6.4	2.0	M	0757	6.9	2.1
	1209	1.0	0.3		1418	-0.1	0.0
	1814	6.9	2.1		2019	7.7	2.3
6	0105	0.9	0.3	21	0255	-0.6	-0.2
M	0638	6.4	2.0	Tu	0851	6.9	2.1
	1305	0.8	0.2		1509	-0.1	0.0
	1904	7.2	2.2		2111	7.8	2.4
7	0206	0.5	0.2	22	0346	-0.8	-0.2
Tu	0733	6.6	2.0	W	0941	6.9	2.1
	1355	0.6	0.2		1556	-0.1	0.0
	1952	7.5	2.3		2157	7.8	2.4
8	0303	0.1	0.0	23	0434	-0.8	-0.2
W	0826	6.7	2.0	Th	1030	6.9	2.1
	1447	0.3	0.1		1641	0.0	0.0
	2042	7.8	2.4		2241	7.8	2.4
9	0351	-0.3	-0.1	24	0518	-0.8	-0.2
Th	0919	6.9	2.1	F	1113	6.9	2.1
	1535	0.1	0.0		1723	0.1	0.0
	2130	8.1	2.5		2323	7.6	2.3
10	0440	-0.6	-0.2	25	0600	-0.6	-0.2
F	1007	7.1	2.2	Sa	1153	6.8	2.1
	1623	-0.1	0.0		1801	0.3	0.1
	2219	8.3	2.5		2357	7.5	2.3
11	0529	-0.9	-0.3	26	0638	-0.3	-0.1
Sa	1100	7.2	2.2	Su	1231	6.7	2.0
	1714	-0.2	-0.1		1831	0.5	0.2
	2309	8.4	2.6				
12	0620	-1.0	-0.3	27	0023	7.3	2.2
Su	1151	7.3	2.2	M	0711	-0.1	0.0
	1808	-0.1	0.0		1301	6.7	2.0
					1852	0.7	0.2
13	0001	8.4	2.6	28	0041	7.2	2.2
M	0711	-0.9	-0.3	Tu	0738	0.2	0.1
	1245	7.3	2.2		1319	6.7	2.0
	1905	0.0	0.0		1914	0.8	0.2
14	0054	8.1	2.5	29	0106	7.1	2.2
Tu	0810	-0.8	-0.2	W	0754	0.4	0.1
	1343	7.2	2.2		1343	6.7	2.0
	2012	0.1	0.0		1948	0.9	0.3
15	0154	7.8	2.4	30	0143	7.0	2.1
W	0912	-0.6	-0.2	Th	0820	0.5	0.2
	1449	7.2	2.2		1417	6.8	2.1
	2129	0.2	0.1		2031	0.9	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

WILLETS POINT, N.Y., 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0225	6.9	2.1
	0857	0.6	0.2
	1457	6.9	2.1
	2116	1.0	0.3
2 Sa	0311	6.8	2.1
	0937	0.7	0.2
	1542	7.0	2.1
	2207	1.0	0.3
3 Su	0402	6.6	2.0
	1025	0.7	0.2
	1630	7.1	2.2
	2302	0.9	0.3
4 M	0454	6.5	2.0
	1114	0.7	0.2
	1725	7.2	2.2
5 Tu	0002	0.8	0.2
	0553	6.5	2.0
	1209	0.7	0.2
	1818	7.4	2.3
6 W	0112	0.5	0.2
	0653	6.5	2.0
	1307	0.6	0.2
	1913	7.6	2.3
7 Th	0222	0.2	0.1
	0753	6.6	2.0
	1405	0.4	0.1
	2010	7.9	2.4
8 F	0327	-0.2	-0.1
	0851	6.8	2.1
	1507	0.2	0.1
	2106	8.2	2.5
9 Sa	0425	-0.6	-0.2
	0951	7.1	2.2
	1610	0.0	0.0
	2202	8.3	2.5
10 Su	0519	-0.9	-0.3
	1047	7.3	2.2
	1710	-0.2	-0.1
	2257	8.4	2.6
11 M	0613	-1.1	-0.3
	1142	7.5	2.3
	1811	-0.3	-0.1
	2353	8.4	2.6
12 Tu	0706	-1.1	-0.3
	1239	7.6	2.3
	1913	-0.4	-0.1
13 W	0050	8.2	2.5
	0759	-1.0	-0.3
	1338	7.6	2.3
	2015	-0.4	-0.1
14 Th	0151	7.9	2.4
	0857	-0.8	-0.2
	1439	7.6	2.3
	2122	-0.3	-0.1
15 F	0300	7.5	2.3
	0953	-0.6	-0.2
	1545	7.5	2.3
	2227	-0.2	-0.1
16 Sa	0414	7.1	2.2
	1053	-0.3	-0.1
	1653	7.4	2.3
	2332	-0.2	-0.1
17 Su	0527	6.9	2.1
	1154	0.0	0.0
	1759	7.4	2.3
18 M	0036	-0.2	-0.1
	0634	6.7	2.0
	1254	0.1	0.0
	1859	7.5	2.3
19 Tu	0136	-0.3	-0.1
	0734	6.7	2.0
	1350	0.2	0.1
	1957	7.5	2.3
20 W	0232	-0.3	-0.1
	0830	6.7	2.0
	1445	0.2	0.1
	2050	7.6	2.3
21 Th	0323	-0.4	-0.1
	0920	6.8	2.1
	1533	0.3	0.1
	2138	7.6	2.3
22 F	0412	-0.4	-0.1
	1009	6.8	2.1
	1618	0.3	0.1
	2226	7.6	2.3
23 Sa	0455	-0.4	-0.1
	1051	6.9	2.1
	1700	0.4	0.1
	2304	7.6	2.3
24 Su	0537	-0.3	-0.1
	1132	6.9	2.1
	1737	0.4	0.1
	2341	7.5	2.3
25 M	0613	-0.1	0.0
	1208	6.9	2.1
	1809	0.5	0.2
26 Tu	0003	7.4	2.3
	0644	0.1	0.0
	1230	6.9	2.1
	1831	0.6	0.2
27 W	0014	7.3	2.2
	0703	0.2	0.1
	1242	7.0	2.1
	1852	0.6	0.2
28 Th	0039	7.3	2.2
	0716	0.3	0.1
	1305	7.1	2.2
	1922	0.6	0.2
29 F	0114	7.3	2.2
	0742	0.3	0.1
	1338	7.2	2.2
	2000	0.6	0.2
30 Sa	0154	7.2	2.2
	0818	0.4	0.1
	1418	7.3	2.2
	2041	0.6	0.2
31 Su	0237	7.0	2.1
	0900	0.4	0.1
	1502	7.4	2.3
	2129	0.7	0.2

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0327	6.9	2.1
	0944	0.5	0.2
	1551	7.4	2.3
	2223	0.7	0.2
2 Tu	0419	6.7	2.0
	1034	0.7	0.2
	1645	7.5	2.3
	2320	0.7	0.2
3 W	0519	6.5	2.0
	1130	0.7	0.2
	1742	7.5	2.3
4 Th	0030	0.6	0.2
	0620	6.5	2.0
	1233	0.7	0.2
	1843	7.6	2.3
5 F	0201	0.3	0.1
	0728	6.6	2.0
	1342	0.6	0.2
	1947	7.8	2.4
6 Sa	0315	-0.1	0.0
	0834	6.9	2.1
	1459	0.3	0.1
	2051	8.1	2.5
7 Su	0413	-0.5	-0.2
	0940	7.2	2.2
	1612	-0.1	0.0
	2154	8.3	2.5
8 M	0508	-0.9	-0.3
	1039	7.6	2.3
	1713	-0.4	-0.1
	2252	8.4	2.6
9 Tu	0558	-1.1	-0.3
	1134	7.9	2.4
	1809	-0.7	-0.2
	2349	8.4	2.6
10 W	0650	-1.2	-0.4
	1228	8.0	2.4
	1906	-0.8	-0.2
11 Th	0046	8.2	2.5
	0738	-1.1	-0.3
	1322	8.0	2.4
	2003	-0.8	-0.2
12 F	0143	7.9	2.4
	0831	-0.9	-0.3
	1415	7.9	2.4
	2100	-0.6	-0.2
13 Sa	0244	7.5	2.3
	0924	-0.5	-0.2
	1515	7.7	2.3
	2201	-0.4	-0.1
14 Su	0352	7.1	2.2
	1020	-0.1	0.0
	1622	7.5	2.3
	2306	-0.1	0.0
15 M	0501	6.7	2.0
	1122	0.3	0.1
	1730	7.3	2.2
16 Tu	0007	0.0	0.0
	0607	6.6	2.0
	1221	0.5	0.2
	1833	7.2	2.2
17 W	0107	0.1	0.0
	0707	6.5	2.0
	1323	0.7	0.2
	1933	7.3	2.2
18 Th	0205	0.1	0.0
	0805	6.6	2.0
	1418	0.7	0.2
	2028	7.4	2.3
19 F	0258	0.1	0.0
	0858	6.8	2.1
	1509	0.6	0.2
	2116	7.5	2.3
20 Sa	0346	0.0	0.0
	0944	6.9	2.1
	1556	0.5	0.2
	2203	7.5	2.3
21 Su	0429	0.0	0.0
	1028	7.1	2.2
	1637	0.5	0.2
	2244	7.6	2.3
22 M	0507	0.0	0.0
	1107	7.2	2.2
	1715	0.4	0.1
	2316	7.5	2.3
23 Tu	0542	0.1	0.0
	1138	7.2	2.2
	1746	0.4	0.1
	2337	7.4	2.3
24 W	0610	0.1	0.0
	1153	7.2	2.2
	1808	0.4	0.1
	2349	7.4	2.3
25 Th	0626	0.2	0.1
	1200	7.3	2.2
	1827	0.3	0.1
26 F	0012	7.4	2.3
	0640	0.2	0.1
	1230	7.5	2.3
	1855	0.2	0.1
27 Sa	0045	7.4	2.3
	0708	0.2	0.1
	1303	7.6	2.3
	1929	0.2	0.1
28 Su	0125	7.3	2.2
	0744	0.3	0.1
	1345	7.7	2.3
	2012	0.3	0.1
29 M	0209	7.2	2.2
	0825	0.4	0.1
	1430	7.7	2.3
	2059	0.4	0.1
30 Tu	0257	7.0	2.1
	0910	0.6	0.2
	1518	7.7	2.3
	2150	0.6	0.2
31 W	0353	6.7	2.0
	1001	0.8	0.2
	1614	7.6	2.3
	2251	0.7	0.2

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0451	6.5	2.0
	1103	0.9	0.3
	1715	7.5	2.3
2 F	0009	0.8	0.2
	0558	6.5	2.0
	1212	1.0	0.3
	1822	7.5	2.3
3 Sa	0157	0.5	0.2
	0713	6.7	2.0
	1341	0.8	0.2
	1933	7.6	2.3
4 Su	0304	0.0	0.0
	0829	7.1	2.2
	1509	0.3	0.1
	2047	7.9	2.4
5 M	0400	-0.5	-0.2
	0935	7.5	2.3
	1612	-0.3	-0.1
	2151	8.2	2.5
6 Tu	0452	-0.9	-0.3
	1029	7.9	2.4
	1709	-0.8	-0.2
	2250	8.3	2.5
7 W	0540	-1.1	-0.3
	1121	8.2	2.5
	1801	-1.1	-0.3
	2343	8.3	2.5
8 Th	0628	-1.2	-0.4
	1209	8.3	2.5
	1852	-1.2	-0.4
9 F	0036	8.1	2.5
	0714	-1.0	-0.3
	1258	8.3	2.5
	1943	-1.1	-0.3
10 Sa	0127	7.8	2.4
	0759	-0.7	-0.2
	1348	8.1	2.5
	2036	-0.8	-0.2
11 Su	0222	7.4	2.3
	0849	-0.2	-0.1
	1441	7.7	2.3
	2132	-0.4	-0.1
12 M	0322	7.0	2.1
	0945	0.2	0.1
	1545	7.4	2.3
	2234	0.0	0.0
13 Tu	0430	6.6	2.0
	1045	0.7	0.2
	1654	7.1	2.2
	2336	0.4	0.1
14 W	0537	6.4	2.0
	1149	1.0	0.3
	1802	6.9	2.1
15 Th	0037	0.6	0.2
	0640	6.4	2.0
	1251	1.1	0.3
	1904	7.0	2.1
16 F	0133	0.6	0.2
	0736	6.6	2.0
	1349	1.1	0.3
	2000	7.1	2.2
17 Sa	0226	0.5	0.2
	0828	6.8	2.1
	1442	0.9	0.3
	2050	7.2	2.2
18 Su	0314	0.4	0.1
	0917	7.1	2.2
	1527	0.7	0.2
	2136	7.4	2.3
19 M	0356	0.3	0.1
	0959	7.2	2.2
	1608	0.5	0.2
	2218	7.4	2.3
20 Tu	0433	0.3	0.1
	1033	7.4	2.3
	1646	0.3	0.1
	2248	7.4	2.3
21 W	0505	0.2	0.1
	1100	7.4	2.3
	1718	0.2	0.1
	2305	7.4	2.3
22 Th	0531	0.2	0.1
	1108	7.5	2.3
	1741	0.1	0.0
	2316	7.4	2.3
23 F	0544	0.2	0.1
	1126	7.7	2.3
	1801	0.0	0.0
	2343	7.4	2.3
24 Sa	0605	0.1	0.0
	1156	7.9	2.4
	1829	-0.1	0.0
25 Su	0019	7.4	2.3
	0637	0.1	0.0
	1234	8.0	2.4
	1906	-0.1	0.0
26 M	0100	7.4	2.3
	0714	0.2	0.1
	1315	8.0	2.4
	1947	0.0	0.0
27 Tu	0144	7.2	2.2
	0756	0.4	0.1
	1401	7.9	2.4
	2033	0.2	0.1
28 W	0234	7.0	2.1
	0844	0.7	0.2
	1452	7.7	2.3
	2128	0.5	0.2
29 Th	0330	6.7	2.0
	0941	0.9	0.3
	1550	7.5	2.3
	2235	0.7	0.2
30 F	0433	6.5	2.0
	1046	1.2	0.4
	1656	7.3	2.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0020	0.8	0.2	16	0147	0.9	0.3
Sa	0548	6.5	2.0	Su	0753	6.8	2.1
	1218	1.1	0.3		1406	1.1	0.3
	1811	7.2	2.2		2016	6.9	2.1
2	0149	0.4	0.1	17	0234	0.8	0.2
Su	0715	6.8	2.1	M	0840	7.0	2.1
	1405	0.7	0.2		1453	0.8	0.2
	1936	7.4	2.3		2101	7.0	2.1
3	0250	0.0	0.0	18	0317	0.6	0.2
M	0830	7.3	2.2	Tu	0920	7.2	2.2
	1511	0.0	0.0		1535	0.5	0.2
	2053	7.7	2.3		2139	7.1	2.2
4	0344	-0.5	-0.2	19	0351	0.4	0.1
Tu	0927	7.8	2.4	W	0951	7.3	2.2
	1607	-0.6	-0.2		1612	0.2	0.1
	2152	7.9	2.4		2207	7.1	2.2
5	0433	-0.8	-0.2	20	0423	0.3	0.1
W	1018	8.2	2.5	Th	1008	7.5	2.3
	1658	-1.1	-0.3		1646	0.0	0.0
	2244	8.1	2.5		2225	7.2	2.2
6	0519	-1.0	-0.3	21	0445	0.2	0.1
Th	1105	8.4	2.6	F	1023	7.7	2.3
	1747	-1.4	-0.4		1713	-0.2	-0.1
	2333	8.0	2.4		2245	7.2	2.2
7	0603	-1.0	-0.3	22	0504	0.1	0.0
F	1148	8.4	2.6	Sa	1051	7.9	2.4
	1837	-1.4	-0.4		1737	-0.4	-0.1
					2318	7.3	2.2
8	0020	7.8	2.4	23	0536	0.0	0.0
Sa	0647	-0.8	-0.2	Su	1127	8.1	2.5
	1234	8.3	2.5		1809	-0.4	-0.1
	1922	-1.2	-0.4		2356	7.3	2.2
9	0108	7.5	2.3	24	0610	0.0	0.0
Su	0730	-0.4	-0.1	M	1208	8.2	2.5
	1319	8.0	2.4		1847	-0.4	-0.1
	2012	-0.8	-0.2				
10	0159	7.1	2.2	25	0040	7.2	2.2
M	0815	0.0	0.0	Tu	0650	0.2	0.1
	1406	7.6	2.3		1252	8.1	2.5
	2102	-0.3	-0.1		1931	-0.2	-0.1
11	0252	6.8	2.1	26	0126	7.1	2.2
Tu	0902	0.5	0.2	W	0735	0.4	0.1
	1500	7.2	2.2		1340	7.9	2.4
	2158	0.2	0.1		2020	0.0	0.0
12	0353	6.5	2.0	27	0217	6.9	2.1
W	1001	1.0	0.3	Th	0828	0.7	0.2
	1606	6.8	2.1		1433	7.6	2.3
	2258	0.6	0.2		2118	0.3	0.1
13	0502	6.3	1.9	28	0316	6.7	2.0
Th	1107	1.3	0.4	F	0929	1.0	0.3
	1721	6.6	2.0		1534	7.3	2.2
	2358	0.9	0.3		2239	0.6	0.2
14	0605	6.3	1.9	29	0424	6.5	2.0
F	1212	1.4	0.4	Sa	1051	1.1	0.3
	1827	6.6	2.0		1645	7.0	2.1
15	0054	0.9	0.3	30	0024	0.5	0.2
Sa	0703	6.5	2.0	Su	0551	6.6	2.0
	1312	1.3	0.4		1251	0.8	0.2
	1926	6.7	2.0		1816	6.9	2.1
				31	0133	0.2	0.1
				M	0720	7.0	2.1
					1402	0.2	0.1
					1949	7.1	2.2

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0232	-0.2	-0.1	16	0224	0.7	0.2
Tu	0822	7.5	2.3	W	0829	6.9	2.1
	1501	-0.4	-0.1		1455	0.5	0.2
	2051	7.3	2.2		2048	6.5	2.0
2	0324	-0.5	-0.2	17	0302	0.5	0.2
W	0915	7.9	2.4	Th	0850	7.2	2.2
	1554	-0.9	-0.3		1535	0.1	0.0
	2146	7.5	2.3		2115	6.6	2.0
3	0412	-0.8	-0.2	18	0330	0.3	0.1
Th	1004	8.2	2.5	F	0911	7.4	2.3
	1645	-1.3	-0.4		1612	-0.2	-0.1
	2234	7.6	2.3		2140	6.8	2.1
4	0459	-0.9	-0.3	19	0357	0.1	0.0
F	1049	8.3	2.5	Sa	0943	7.7	2.3
	1732	-1.5	-0.5		1645	-0.5	-0.2
	2321	7.5	2.3		2215	6.9	2.1
5	0541	-0.8	-0.2	20	0431	0.0	0.0
Sa	1131	8.2	2.5	Su	1021	8.0	2.4
	1817	-1.4	-0.4		1721	-0.7	-0.2
					2254	7.1	2.2
6	0006	7.4	2.3	21	0506	-0.1	0.0
Su	0623	-0.6	-0.2	M	1103	8.1	2.5
	1213	8.0	2.4		1757	-0.8	-0.2
	1903	-1.2	-0.4		2338	7.1	2.2
7	0050	7.1	2.2	22	0549	-0.1	0.0
M	0705	-0.2	-0.1	Tu	1148	8.2	2.5
	1254	7.7	2.3		1838	-0.7	-0.2
	1946	-0.8	-0.2				
8	0137	6.8	2.1	23	0024	7.1	2.2
Tu	0740	0.2	0.1	W	0634	0.0	0.0
	1332	7.4	2.3		1234	8.1	2.5
	2033	-0.3	-0.1		1926	-0.6	-0.2
9	0223	6.6	2.0	24	0113	7.0	2.1
W	0820	0.6	0.2	Th	0727	0.2	0.1
	1412	7.0	2.1		1326	7.8	2.4
	2121	0.2	0.1		2020	-0.3	-0.1
10	0316	6.3	1.9	25	0208	6.8	2.1
Th	0902	1.0	0.3	F	0823	0.4	0.1
	1500	6.7	2.0		1421	7.4	2.3
	2213	0.6	0.2		2126	-0.1	0.0
11	0416	6.2	1.9	26	0310	6.7	2.0
F	1005	1.3	0.4	Sa	0937	0.6	0.2
	1605	6.4	2.0		1526	7.0	2.1
	2305	0.9	0.3		2253	0.1	0.0
12	0519	6.2	1.9	27	0424	6.7	2.0
Sa	1120	1.5	0.5	Su	1125	0.6	0.2
	1731	6.2	1.9		1645	6.7	2.0
13	0001	1.0	0.3	28	0008	0.1	0.0
Su	0615	6.3	1.9	M	0555	6.8	2.1
	1223	1.4	0.4		1243	0.3	0.1
	1835	6.2	1.9		1825	6.6	2.0
14	0054	1.0	0.3	29	0112	-0.1	0.0
M	0707	6.5	2.0	Tu	0709	7.1	2.2
	1320	1.2	0.4		1349	-0.2	-0.1
	1928	6.3	1.9		1941	6.7	2.0
15	0142	0.9	0.3	30	0210	-0.3	-0.1
Tu	0752	6.7	2.0	W	0808	7.4	2.3
	1410	0.9	0.3		1447	-0.7	-0.2
	2014	6.4	2.0		2040	6.9	2.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0303	-0.5	-0.2	16	0141	0.5	0.2
Th	0901	7.7	2.3	F	0739	7.0	2.1
	1540	-1.2	-0.4		1453	0.1	0.0
	2133	7.0	2.1		2015	6.2	1.9
2	0356	-0.7	-0.2	17	0232	0.3	0.1
F	0948	7.9	2.4	Sa	0824	7.3	2.2
	1629	-1.4	-0.4		1541	-0.3	-0.1
	2221	7.0	2.1		2103	6.4	2.0
3	0440	-0.7	-0.2	18	0315	0.1	0.0
Sa	1035	7.9	2.4	Su	0911	7.6	2.3
	1716	-1.5	-0.5		1623	-0.6	-0.2
	2309	7.0	2.1		2148	6.7	2.0
4	0524	-0.6	-0.2	19	0402	-0.1	0.0
Su	1119	7.9	2.4	M	0956	7.9	2.4
	1802	-1.4	-0.4		1706	-0.9	-0.3
	2352	6.9	2.1		2236	6.9	2.1
5	0604	-0.4	-0.1	20	0450	-0.3	-0.1
M	1158	7.7	2.3	Tu	1045	8.1	2.5
	1844	-1.1	-0.3		1751	-1.1	-0.3
					2324	7.0	2.1
6	0034	6.8	2.1	21	0538	-0.4	-0.1
Tu	0642	-0.1	0.0	W	1132	8.1	2.5
	1234	7.4	2.3		1837	-1.1	-0.3
	1926	-0.7	-0.2				
7	0114	6.6	2.0	22	0013	7.1	2.2
W	0716	0.2	0.1	Th	0631	-0.3	-0.1
	1306	7.2	2.2		1223	8.0	2.4
	2003	-0.3	-0.1		1929	-1.0	-0.3
8	0153	6.5	2.0	23	0106	7.1	2.2
Th	0746	0.5	0.2	F	0727	-0.2	-0.1
	1338	6.9	2.1		1319	7.7	2.3
	2039	0.1	0.0		2023	-0.8	-0.2
9	0228	6.3	1.9	24	0203	7.0	2.1
F	0815	0.8	0.2	Sa	0833	-0.1	0.0
	1411	6.6	2.0		1417	7.3	2.2
	2108	0.4	0.1		2126	-0.6	-0.2
10	0302	6.3	1.9	25	0305	6.9	2.1
Sa	0857	1.0	0.3	Su	0955	0.0	0.0
	1452	6.4	2.0		1524	6.9	2.1
	2139	0.6	0.2		2235	-0.4	-0.1
11	0342	6.2	1.9	26	0421	6.9	2.1
Su	0947	1.1	0.3	M	1115	0.0	0.0
	1541	6.2	1.9		1650	6.5	2.0
	2218	0.8	0.2		2343	-0.3	-0.1
12	0427	6.2	1.9	27	0540	6.9	2.1
M	1046	1.2	0.4	Tu	1225	-0.2	-0.1
	1635	6.0	1.8		1817	6.4	2.0
	2309	0.9	0.3				
13	0517	6.3	1.9	28	0048	-0.3	-0.1
Tu	1159	1.1	0.3	W	0649	7.1	2.2
	1731	5.9	1.8		1331	-0.5	-0.2
	2359	0.9	0.3		1925	6.4	2.0
14	0606	6.5	2.0	29	0147	-0.3	-0.1
W	1308	0.8	0.2	Th	0749	7.3	2.2
	1831	6.0	1.8		1428	-0.9	-0.3
					2024	6.5	2.0
15	0051	0.7	0.2	30	0242	-0.4	-0.1
Th	0654	6.7	2.0	F	0845	7.4	2.3
	1404	0.5	0.2		1522	-1.1	-0.3
	1923	6.1	1.9		2119	6.6	2.0
				31	0335	-0.5	-0.2
				Sa	0936	7.5	2.3
					1613	-1.3	-0.4
					2208	6.6	2.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

NEW YORK (The Battery), N.Y., 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0321	-0.9	-0.3
	0940	5.5	1.7
	1607	-1.3	-0.4
	2219	4.4	1.3
2 Su	0414	-0.8	-0.2
	1037	5.3	1.6
	1656	-1.1	-0.3
	2317	4.4	1.3
3 M	0507	-0.6	-0.2
	1136	5.0	1.5
	1749	-0.9	-0.3
4 Tu	0015	4.4	1.3
	0607	-0.3	-0.1
	1231	4.7	1.4
	1847	-0.6	-0.2
5 W	0109	4.3	1.3
	0714	0.0	0.0
	1324	4.4	1.3
	1948	-0.4	-0.1
6 Th	0204	4.3	1.3
	0823	0.1	0.0
	1420	4.0	1.2
	2047	-0.3	-0.1
7 F	0258	4.3	1.3
	0925	0.1	0.0
	1518	3.8	1.2
	2143	-0.2	-0.1
8 Sa	0356	4.3	1.3
	1023	0.1	0.0
	1617	3.6	1.1
	2233	-0.2	-0.1
9 Su	0453	4.3	1.3
	1115	0.0	0.0
	1715	3.5	1.1
	2320	-0.2	-0.1
10 M	0543	4.5	1.4
	1202	-0.1	0.0
	1806	3.6	1.1
11 Tu	0006	-0.2	-0.1
	0631	4.6	1.4
	1248	-0.2	-0.1
	1853	3.6	1.1
12 W	0052	-0.2	-0.1
	0711	4.6	1.4
	1335	-0.3	-0.1
	1934	3.7	1.1
13 Th	0136	-0.2	-0.1
	0751	4.7	1.4
	1416	-0.4	-0.1
	2016	3.7	1.1
14 F	0218	-0.2	-0.1
	0829	4.6	1.4
	1457	-0.5	-0.2
	2057	3.7	1.1
15 Sa	0256	-0.1	0.0
	0906	4.6	1.4
	1534	-0.5	-0.2
	2136	3.6	1.1
16 Su	0332	-0.1	0.0
	0941	4.4	1.3
	1608	-0.4	-0.1
	2215	3.6	1.1
17 M	0403	0.1	0.0
	1016	4.3	1.3
	1640	-0.2	-0.1
	2253	3.6	1.1
18 Tu	0432	0.2	0.1
	1049	4.1	1.2
	1707	-0.1	0.0
	2328	3.6	1.1
19 W	0502	0.3	0.1
	1124	4.0	1.2
	1736	0.0	0.0
20 Th	0007	3.7	1.1
	0536	0.4	0.1
	1203	3.9	1.2
	1807	0.1	0.0
21 F	0044	3.8	1.2
	0631	0.5	0.2
	1249	3.7	1.1
	1855	0.2	0.1
22 Sa	0131	3.9	1.2
	0804	0.5	0.2
	1340	3.6	1.1
	2012	0.2	0.1
23 Su	0227	4.1	1.2
	0927	0.4	0.1
	1444	3.5	1.1
	2126	0.1	0.0
24 M	0336	4.3	1.3
	1031	0.1	0.0
	1603	3.5	1.1
	2231	-0.1	0.0
25 Tu	0446	4.6	1.4
	1128	-0.3	-0.1
	1718	3.7	1.1
	2331	-0.4	-0.1
26 W	0550	5.0	1.5
	1224	-0.6	-0.2
	1822	3.9	1.2
27 Th	0027	-0.6	-0.2
	0646	5.3	1.6
	1319	-0.9	-0.3
	1918	4.2	1.3
28 F	0125	-0.9	-0.3
	0740	5.5	1.7
	1411	-1.2	-0.4
	2010	4.5	1.4
29 Sa	0219	-1.1	-0.3
	0832	5.6	1.7
	1500	-1.4	-0.4
	2105	4.6	1.4
30 Su	0310	-1.1	-0.3
	0925	5.5	1.7
	1547	-1.4	-0.4
	2158	4.7	1.4
31 M	0400	-1.0	-0.3
	1019	5.3	1.6
	1634	-1.2	-0.4
	2253	4.7	1.4

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0450	-0.8	-0.2
	1112	5.0	1.5
	1720	-1.0	-0.3
	2346	4.6	1.4
2 W	0544	-0.5	-0.2
	1204	4.6	1.4
	1810	-0.6	-0.2
3 Th	0039	4.5	1.4
	0641	-0.1	0.0
	1255	4.2	1.3
	1906	-0.3	-0.1
4 F	0129	4.4	1.3
	0746	0.2	0.1
	1349	3.8	1.2
	2008	0.0	0.0
5 Sa	0222	4.2	1.3
	0851	0.3	0.1
	1441	3.5	1.1
	2108	0.2	0.1
6 Su	0318	4.1	1.2
	0951	0.3	0.1
	1541	3.3	1.0
	2202	0.2	0.1
7 M	0417	4.0	1.2
	1046	0.2	0.1
	1645	3.3	1.0
	2254	0.2	0.1
8 Tu	0513	4.1	1.2
	1137	0.1	0.0
	1742	3.4	1.0
	2342	0.1	0.0
9 W	0603	4.3	1.3
	1224	0.0	0.0
	1832	3.5	1.1
10 Th	0030	0.0	0.0
	0648	4.4	1.3
	1309	-0.2	-0.1
	1914	3.7	1.1
11 F	0115	-0.1	0.0
	0728	4.6	1.4
	1351	-0.4	-0.1
	1955	3.8	1.2
12 Sa	0158	-0.2	-0.1
	0808	4.6	1.4
	1432	-0.5	-0.2
	2032	3.9	1.2
13 Su	0237	-0.2	-0.1
	0844	4.6	1.4
	1508	-0.5	-0.2
	2107	4.0	1.2
14 M	0313	-0.2	-0.1
	0919	4.5	1.4
	1542	-0.5	-0.2
	2142	4.0	1.2
15 Tu	0347	-0.2	-0.1
	0947	4.4	1.3
	1611	-0.4	-0.1
	2216	4.0	1.2
16 W	0416	-0.1	0.0
	1024	4.2	1.3
	1635	-0.2	-0.1
	2248	4.0	1.2
17 Th	0445	0.0	0.0
	1056	4.1	1.2
	1701	-0.1	0.0
	2325	4.1	1.2
18 F	0520	0.1	0.0
	1133	3.9	1.2
	1728	0.0	0.0
19 Sa	0007	4.2	1.3
	0605	0.3	0.1
	1221	3.7	1.1
	1812	0.1	0.0
20 Su	0058	4.2	1.3
	0724	0.4	0.1
	1316	3.6	1.1
	1916	0.3	0.1
21 M	0157	4.3	1.3
	0858	0.4	0.1
	1424	3.5	1.1
	2057	0.3	0.1
22 Tu	0308	4.4	1.3
	1009	0.1	0.0
	1548	3.5	1.1
	2215	0.1	0.0
23 W	0427	4.6	1.4
	1111	-0.2	-0.1
	1707	3.7	1.1
	2318	-0.2	-0.1
24 Th	0534	4.9	1.5
	1208	-0.5	-0.2
	1811	4.1	1.2
25 F	0017	-0.5	-0.2
	0635	5.2	1.6
	1301	-0.9	-0.3
	1904	4.5	1.4
26 Sa	0112	-0.8	-0.2
	0726	5.4	1.6
	1351	-1.1	-0.3
	1955	4.8	1.5
27 Su	0206	-1.1	-0.3
	0817	5.5	1.7
	1438	-1.3	-0.4
	2045	5.0	1.5
28 M	0256	-1.2	-0.4
	0906	5.4	1.6
	1523	-1.3	-0.4
	2134	5.1	1.6

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0343	-1.1	-0.3
	0957	5.1	1.6
	1606	-1.1	-0.3
	2224	5.0	1.5
2 W	0429	-0.9	-0.3
	1047	4.8	1.5
	1651	-0.8	-0.2
	2315	4.9	1.5
3 Th	0517	-0.5	-0.2
	1136	4.5	1.4
	1733	-0.4	-0.1
4 F	0005	4.7	1.4
	0607	-0.1	0.0
	1225	4.1	1.2
	1823	0.0	0.0
5 Sa	0053	4.4	1.3
	0706	0.3	0.1
	1316	3.7	1.1
	1920	0.4	0.1
6 Su	0143	4.2	1.3
	0814	0.5	0.2
	1407	3.4	1.0
	2028	0.6	0.2
7 M	0237	4.0	1.2
	0918	0.6	0.2
	1507	3.2	1.0
	2130	0.7	0.2
8 Tu	0335	3.9	1.2
	1015	0.5	0.2
	1612	3.2	1.0
	2225	0.6	0.2
9 W	0438	3.9	1.2
	1106	0.4	0.1
	1711	3.4	1.0
	2319	0.5	0.2
10 Th	0532	4.1	1.2
	1154	0.2	0.1
	1803	3.6	1.1
11 F	0006	0.3	0.1
	0623	4.3	1.3
	1239	0.0	0.0
	1848	3.9	1.2
12 Sa	0051	0.1	0.0
	0701	4.5	1.4
	1321	-0.2	-0.1
	1927	4.1	1.2
13 Su	0133	-0.1	0.0
	0741	4.6	1.4
	1400	-0.4	-0.1
	2003	4.3	1.3
14 M	0213	-0.3	-0.1
	0815	4.6	1.4
	1437	-0.4	-0.1
	2036	4.4	1.3
15 Tu	0251	-0.4	-0.1
	0850	4.6	1.4
	1510	-0.4	-0.1
	2108	4.5	1.4
16 W	0326	-0.4	-0.1
	0922	4.5	1.4
	1540	-0.3	-0.1
	2140	4.6	1.4
17 Th	0359	-0.3	-0.1
	0955	4.3	1.3
	1608	-0.2	-0.1
	2214	4.6	1.4
18 F	0432	-0.2	-0.1
	1036	4.2	1.3
	1635	-0.1	0.0
	2256	4.6	1.4
19 Sa	0509	-0.1	0.0
	1117	4.0	1.2
	1706	0.1	0.0
	2344	4.6	1.4
20 Su	0557	0.2	0.1
	1213	3.8	1.2
	1749	0.3	0.1
21 M	0039	4.5	1.4
	0713	0.4	0.1
	1314	3.6	1.1
	1859	0.5	0.2
22 Tu	0143	4.5	1.4
	0842	0.4	0.1
	1424	3.6	1.1
	2051	0.5	0.2
23 W	0256	4.5	1.4
	0953	0.2	0.1
	1543	3.7	1.1
	2205	0.3	0.1
24 Th	0412	4.6	1.4
	1052	-0.1	0.0
	1655	4.0	1.2
	2309	0.0	0.0
25 F	0521	4.8	1.5
	1147	-0.5	-0.2
	1755	4.5	1.4
26 Sa	0006	-0.4	-0.1
	0619	5.1	1.6
	1238	-0.7	-0.2
	1848	4.9	1.5
27 Su	0059	-0.7	-0.2
	0709	5.2	1.6
	1327	-0.9	-0.3
	1938	5.2	1.6
28 M	0150	-0.9	-0.3
	0758	5.3	1.6
	1413	-1.0	-0.3
	2023	5.4	1.6
29 Tu	0237	-1.0	-0.3
	0844	5.2	1.6
	1457	-1.0	-0.3
	2107	5.4	1.6
30 W	0323	-0.9	-0.3
	0932	4.9	1.5
	1538	-0.8	-0.2
	2155	5.2	1.6
31 Th	0408	-0.7	-0.2
	1019	4.6	1.4
	1618	-0.5	-0.2
	2241	5.0	1.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0450	-0.4	-0.1	16	0421	-0.4	-0.1
F	1108	4.3	1.3	Sa	1022	4.2	1.3
	1658	-0.1	0.0		1615	0.0	0.0
	2327	4.7	1.4		2237	5.0	1.5
2	0536	0.0	0.0	17	0503	-0.2	-0.1
Sa	1157	3.9	1.2	Su	1117	4.0	1.2
	1738	0.3	0.1		1654	0.2	0.1
					2333	4.9	1.5
3	0015	4.5	1.4	18	0557	0.0	0.0
Su	0628	0.4	0.1	M	1218	3.9	1.2
	1246	3.7	1.1		1746	0.4	0.1
	1832	0.7	0.2				
4	0103	4.2	1.3	19	0034	4.8	1.5
M	0732	0.7	0.2	Tu	0711	0.2	0.1
	1337	3.4	1.0		1321	3.8	1.2
	1942	1.0	0.3		1913	0.7	0.2
5	0154	4.0	1.2	20	0139	4.6	1.4
Tu	0839	0.8	0.2	W	0830	0.2	0.1
	1434	3.3	1.0		1427	3.9	1.2
	2054	1.1	0.3		2046	0.6	0.2
6	0250	3.8	1.2	21	0248	4.6	1.4
W	0938	0.7	0.2	Th	0935	0.1	0.0
	1533	3.4	1.0		1535	4.1	1.2
	2156	1.0	0.3		2156	0.4	0.1
7	0353	3.8	1.2	22	0357	4.6	1.4
Th	1030	0.5	0.2	F	1033	-0.2	-0.1
	1635	3.5	1.1		1641	4.4	1.3
	2247	0.8	0.2		2257	0.0	0.0
8	0452	4.0	1.2	23	0503	4.7	1.4
F	1118	0.3	0.1	Sa	1124	-0.4	-0.1
	1729	3.8	1.2		1739	4.8	1.5
	2335	0.5	0.2		2351	-0.3	-0.1
9	0543	4.2	1.3	24	0600	4.9	1.5
Sa	1201	0.1	0.0	Su	1214	-0.6	-0.2
	1813	4.1	1.2		1828	5.2	1.6
10	0022	0.3	0.1	25	0043	-0.5	-0.2
Su	0628	4.4	1.3	M	0651	5.0	1.5
	1243	0.0	0.0		1301	-0.7	-0.2
	1853	4.4	1.3		1915	5.4	1.6
11	0104	0.0	0.0	26	0133	-0.7	-0.2
M	0707	4.5	1.4	Tu	0738	4.9	1.5
	1323	-0.2	-0.1		1346	-0.7	-0.2
	1927	4.7	1.4		1958	5.5	1.7
12	0146	-0.2	-0.1	27	0218	-0.7	-0.2
Tu	0744	4.6	1.4	W	0821	4.8	1.5
	1402	-0.3	-0.1		1430	-0.6	-0.2
	2002	4.9	1.5		2041	5.5	1.7
13	0225	-0.4	-0.1	28	0303	-0.7	-0.2
W	0821	4.6	1.4	Th	0906	4.6	1.4
	1437	-0.3	-0.1		1510	-0.4	-0.1
	2034	5.0	1.5		2124	5.3	1.6
14	0306	-0.5	-0.2	29	0345	-0.5	-0.2
Th	0857	4.5	1.4	F	0952	4.3	1.3
	1509	-0.3	-0.1		1548	-0.1	0.0
	2108	5.1	1.6		2207	5.1	1.6
15	0342	-0.5	-0.2	30	0427	-0.2	-0.1
F	0934	4.4	1.3	Sa	1039	4.1	1.2
	1541	-0.2	-0.1		1627	0.2	0.1
	2147	5.1	1.6		2253	4.8	1.5

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0509	0.1	0.0	16	0501	-0.4	-0.1
Su	1130	3.8	1.2	M	1117	4.2	1.3
	1704	0.6	0.2		1653	0.2	0.1
	2338	4.5	1.4		2328	5.2	1.6
2	0554	0.4	0.1	17	0553	-0.2	-0.1
M	1221	3.6	1.1	Tu	1219	4.1	1.2
	1746	1.0	0.3		1754	0.5	0.2
3	0026	4.3	1.3	18	0031	5.0	1.5
Tu	0649	0.7	0.2	W	0700	0.0	0.0
	1309	3.5	1.1		1319	4.2	1.3
	1847	1.2	0.4		1916	0.6	0.2
4	0112	4.1	1.2	19	0132	4.8	1.5
W	0756	0.8	0.2	Th	0810	0.0	0.0
	1401	3.5	1.1		1419	4.3	1.3
	2012	1.3	0.4		2035	0.6	0.2
5	0204	3.9	1.2	20	0235	4.7	1.4
Th	0857	0.8	0.2	F	0912	-0.1	0.0
	1454	3.6	1.1		1519	4.5	1.4
	2116	1.2	0.4		2142	0.4	0.1
6	0301	3.9	1.2	21	0338	4.6	1.4
F	0949	0.6	0.2	Sa	1009	-0.2	-0.1
	1550	3.7	1.1		1620	4.8	1.5
	2211	1.0	0.3		2239	0.1	0.0
7	0401	3.9	1.2	22	0441	4.6	1.4
Sa	1036	0.5	0.2	Su	1100	-0.3	-0.1
	1644	4.0	1.2		1716	5.1	1.6
	2300	0.7	0.2		2333	-0.1	0.0
8	0457	4.0	1.2	23	0537	4.6	1.4
Su	1119	0.3	0.1	M	1147	-0.3	-0.1
	1731	4.3	1.3		1808	5.3	1.6
	2347	0.4	0.1				
9	0546	4.2	1.3	24	0024	-0.3	-0.1
M	1201	0.1	0.0	Tu	0628	4.6	1.4
	1812	4.7	1.4		1233	-0.4	-0.1
					1851	5.5	1.7
10	0032	0.1	0.0	25	0113	-0.4	-0.1
Tu	0628	4.4	1.3	W	0717	4.6	1.4
	1241	0.0	0.0		1319	-0.3	-0.1
	1851	5.0	1.5		1936	5.5	1.7
11	0117	-0.2	-0.1	26	0159	-0.4	-0.1
W	0710	4.5	1.4	Th	0800	4.5	1.4
	1323	-0.1	0.0		1402	-0.2	-0.1
	1927	5.3	1.6		2017	5.5	1.7
12	0200	-0.4	-0.1	27	0244	-0.4	-0.1
Th	0750	4.5	1.4	F	0845	4.3	1.3
	1401	-0.2	-0.1		1444	0.0	0.0
	2004	5.5	1.7		2058	5.3	1.6
13	0244	-0.5	-0.2	28	0326	-0.3	-0.1
F	0832	4.5	1.4	Sa	0928	4.1	1.2
	1441	-0.2	-0.1		1523	0.2	0.1
	2046	5.5	1.7		2139	5.1	1.6
14	0327	-0.6	-0.2	29	0405	-0.1	0.0
Sa	0919	4.4	1.3	Su	1016	3.9	1.2
	1522	-0.1	0.0		1600	0.5	0.2
	2133	5.5	1.7		2222	4.8	1.5
15	0411	-0.5	-0.2	30	0445	0.1	0.0
Su	1016	4.2	1.3	M	1104	3.8	1.2
	1605	0.0	0.0		1637	0.7	0.2
	2227	5.3	1.6		2305	4.6	1.4
				31	0525	0.3	0.1
				Tu	1152	3.7	1.1
					1714	1.0	0.3
					2351	4.4	1.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0610	0.5	0.2	16	0021	5.2	1.6
W	1241	3.7	1.1	Th	0641	-0.3	-0.1
	1757	1.2	0.4		1305	4.6	1.4
					1903	0.5	0.2
2	0034	4.2	1.3	17	0118	5.0	1.5
Th	0703	0.7	0.2	F	0744	-0.1	0.0
	1326	3.7	1.1		1401	4.7	1.4
	1914	1.4	0.4		2016	0.5	0.2
3	0116	4.1	1.2	18	0214	4.7	1.4
F	0806	0.7	0.2	Sa	0846	-0.1	0.0
	1411	3.8	1.2		1457	4.9	1.5
	2028	1.3	0.4		2122	0.4	0.1
4	0206	4.0	1.2	19	0314	4.5	1.4
Sa	0858	0.7	0.2	Su	0941	-0.1	0.0
	1457	3.9	1.2		1556	5.0	1.5
	2130	1.2	0.4		2220	0.3	0.1
5	0258	3.9	1.2	20	0415	4.3	1.3
Su	0948	0.6	0.2	M	1033	-0.1	0.0
	1548	4.2	1.3		1653	5.1	1.6
	2221	0.9	0.3		2313	0.1	0.0
6	0357	3.9	1.2	21	0515	4.3	1.3
M	1031	0.4	0.1	Tu	1121	-0.1	0.0
	1641	4.5	1.4		1743	5.3	1.6
	2310	0.6	0.2				
7	0454	4.0	1.2	22	0003	0.0	0.0
Tu	1116	0.3	0.1	W	0606	4.2	1.3
	1727	4.9	1.5		1208	0.0	0.0
	2358	0.2	0.1		1830	5.4	1.6
8	0548	4.2	1.3	23	0052	-0.1	0.0
W	1158	0.1	0.0	Th	0654	4.2	1.3
	1811	5.2	1.6		1254	0.1	0.0
					1912	5.4	1.6
9	0045	-0.1	0.0	24	0139	-0.1	0.0
Th	0636	4.3	1.3	F	0740	4.2	1.3
	1245	0.0	0.0		1339	0.2	0.1
	1857	5.5	1.7		1954	5.3	1.6
10	0136	-0.3	-0.1	25	0222	-0.1	0.0
F	0725	4.4	1.3	Sa	0824	4.1	1.2
	1330	-0.1	0.0		1421	0.3	0.1
	1941	5.7	1.7		2035	5.2	1.6
11	0224	-0.5	-0.2	26	0304	-0.1	0.0
Sa	0813	4.4	1.3	Su	0907	4.1	1.2
	1421	-0.2	-0.1		1503	0.4	0.1
	2029	5.8	1.8		2115	5.1	1.6
12	0312	-0.7	-0.2	27	0344	0.0	0.0
Su	0907	4.4	1.3	M	0952	4.0	1.2
	1508	-0.2	-0.1		1541	0.6	0.2
	2121	5.8	1.8		2155	4.9	1.5
13	0400	-0.7	-0.2	28	0422	0.1	0.0
M	1007	4.4	1.3	Tu	1039	3.9	1.2
	1558	-0.1	0.0		1617	0.7	0.2
	2221	5.6	1.7		2235	4.7	1.4
14	0448	-0.6	-0.2	29	0459	0.2	0.1
Tu	1107	4.5	1.4	W	1122	3.9	1.2
	1651	0.1	0.0		1651	0.9	0.3
	2320	5.4	1.6		2316	4.5	1.4
15	0541	-0.4	-0.1	30	0536	0.4	0.1
W	1207	4.6	1.4	Th	1205	3.9	1.2
	1752	0.3	0.1		1725	1.1	0.3
					2352	4.3	1.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

NEW YORK (The Battery), N.Y., 1983

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0610	0.6	0.2
	1244	3.9	1.2
	1805	1.2	0.4
2 Sa	0032	4.2	1.3
	0655	0.7	0.2
	1322	4.0	1.2
	1919	1.3	0.4
3 Su	0110	4.1	1.2
	0750	0.7	0.2
	1404	4.2	1.3
	2037	1.2	0.4
4 M	0159	4.0	1.2
	0847	0.7	0.2
	1450	4.4	1.3
	2140	1.0	0.3
5 Tu	0255	3.9	1.2
	0941	0.6	0.2
	1546	4.7	1.4
	2234	0.7	0.2
6 W	0401	3.9	1.2
	1030	0.4	0.1
	1644	5.0	1.5
	2329	0.4	0.1
7 Th	0509	4.0	1.2
	1123	0.3	0.1
	1742	5.3	1.6
8 F	0019	0.1	0.0
	0609	4.2	1.3
	1214	0.1	0.0
	1832	5.7	1.7
9 Sa	0115	-0.3	-0.1
	0705	4.4	1.3
	1309	-0.1	0.0
	1923	5.9	1.8
10 Su	0205	-0.5	-0.2
	0757	4.6	1.4
	1405	-0.2	-0.1
	2015	6.0	1.8
11 M	0254	-0.7	-0.2
	0854	4.7	1.4
	1457	-0.3	-0.1
	2110	5.9	1.8
12 Tu	0343	-0.8	-0.2
	0952	4.8	1.5
	1550	-0.3	-0.1
	2206	5.8	1.8
13 W	0431	-0.8	-0.2
	1050	4.9	1.5
	1643	-0.1	0.0
	2304	5.6	1.7
14 Th	0520	-0.6	-0.2
	1148	5.0	1.5
	1738	0.1	0.0
15 F	0002	5.3	1.6
	0615	-0.4	-0.1
	1242	5.1	1.6
	1842	0.3	0.1
16 Sa	0057	5.0	1.5
	0714	-0.1	0.0
	1336	5.1	1.6
	1951	0.5	0.2
17 Su	0151	4.7	1.4
	0813	0.1	0.0
	1428	5.0	1.5
	2057	0.5	0.2
18 M	0247	4.3	1.3
	0912	0.2	0.1
	1527	5.0	1.5
	2156	0.5	0.2
19 Tu	0347	4.1	1.2
	1005	0.3	0.1
	1623	5.0	1.5
	2252	0.4	0.1
20 W	0449	4.0	1.2
	1056	0.3	0.1
	1718	5.1	1.6
	2342	0.3	0.1
21 Th	0545	4.0	1.2
	1145	0.4	0.1
	1808	5.2	1.6
22 F	0032	0.2	0.1
	0635	4.1	1.2
	1232	0.4	0.1
	1853	5.2	1.6
23 Sa	0117	0.1	0.0
	0720	4.1	1.2
	1318	0.4	0.1
	1933	5.2	1.6
24 Su	0201	0.0	0.0
	0805	4.2	1.3
	1402	0.4	0.1
	2014	5.2	1.6
25 M	0242	0.0	0.0
	0844	4.2	1.3
	1443	0.5	0.2
	2052	5.1	1.6
26 Tu	0320	0.0	0.0
	0926	4.2	1.3
	1521	0.5	0.2
	2129	5.0	1.5
27 W	0356	0.0	0.0
	1008	4.2	1.3
	1555	0.6	0.2
	2206	4.8	1.5
28 Th	0429	0.2	0.1
	1047	4.2	1.3
	1629	0.7	0.2
	2240	4.6	1.4
29 F	0458	0.3	0.1
	1125	4.2	1.3
	1659	0.9	0.3
	2311	4.5	1.4
30 Sa	0525	0.5	0.2
	1157	4.3	1.3
	1730	1.0	0.3
	2346	4.3	1.3
31 Su	0549	0.6	0.2
	1234	4.4	1.3
	1812	1.1	0.3

AUGUST

Day	Time h m	Height ft	Height m
1 M	0029	4.2	1.3
	0626	0.7	0.2
	1311	4.5	1.4
	1931	1.2	0.4
2 Tu	0115	4.0	1.2
	0722	0.8	0.2
	1402	4.6	1.4
	2059	1.1	0.3
3 W	0211	3.9	1.2
	0841	0.8	0.2
	1458	4.8	1.5
	2205	0.8	0.2
4 Th	0321	3.9	1.2
	0953	0.6	0.2
	1609	5.0	1.5
	2303	0.5	0.2
5 F	0441	4.0	1.2
	1056	0.4	0.1
	1715	5.4	1.6
	2358	0.1	0.0
6 Sa	0550	4.2	1.3
	1155	0.2	0.1
	1816	5.7	1.7
7 Su	0053	-0.2	-0.1
	0649	4.6	1.4
	1254	-0.1	0.0
	1910	5.9	1.8
8 M	0145	-0.5	-0.2
	0743	4.9	1.5
	1351	-0.3	-0.1
	2002	6.1	1.9
9 Tu	0234	-0.8	-0.2
	0836	5.1	1.6
	1445	-0.5	-0.2
	2054	6.0	1.8
10 W	0322	-0.9	-0.3
	0931	5.3	1.6
	1536	-0.5	-0.2
	2150	5.9	1.8
11 Th	0408	-0.8	-0.2
	1026	5.4	1.6
	1626	-0.3	-0.1
	2245	5.6	1.7
12 F	0455	-0.6	-0.2
	1120	5.4	1.6
	1717	-0.1	0.0
	2338	5.3	1.6
13 Sa	0543	-0.3	-0.1
	1215	5.3	1.6
	1817	0.2	0.1
14 Su	0031	4.9	1.5
	0637	0.0	0.0
	1307	5.2	1.6
	1921	0.5	0.2
15 M	0126	4.5	1.4
	0738	0.4	0.1
	1358	5.0	1.5
	2028	0.7	0.2
16 Tu	0221	4.2	1.3
	0840	0.6	0.2
	1454	4.9	1.5
	2130	0.7	0.2
17 W	0320	3.9	1.2
	0939	0.7	0.2
	1553	4.8	1.5
	2226	0.7	0.2
18 Th	0422	3.8	1.2
	1031	0.7	0.2
	1652	4.8	1.5
	2318	0.6	0.2
19 F	0522	3.9	1.2
	1122	0.7	0.2
	1745	4.9	1.5
20 Sa	0006	0.4	0.1
	0614	4.0	1.2
	1211	0.6	0.2
	1830	5.0	1.5
21 Su	0053	0.3	0.1
	0659	4.2	1.3
	1257	0.5	0.2
	1912	5.1	1.6
22 M	0135	0.1	0.0
	0740	4.4	1.3
	1340	0.4	0.1
	1950	5.2	1.6
23 Tu	0215	0.0	0.0
	0818	4.5	1.4
	1422	0.4	0.1
	2027	5.1	1.6
24 W	0252	0.0	0.0
	0854	4.5	1.4
	1459	0.4	0.1
	2102	5.0	1.5
25 Th	0326	0.0	0.0
	0929	4.6	1.4
	1534	0.4	0.1
	2134	4.9	1.5
26 F	0357	0.1	0.0
	1005	4.6	1.4
	1606	0.5	0.2
	2204	4.7	1.4
27 Sa	0423	0.3	0.1
	1035	4.6	1.4
	1635	0.6	0.2
	2235	4.5	1.4
28 Su	0443	0.4	0.1
	1109	4.6	1.4
	1704	0.7	0.2
	2309	4.3	1.3
29 M	0509	0.5	0.2
	1146	4.7	1.4
	1744	0.9	0.3
	2352	4.1	1.2
30 Tu	0544	0.7	0.2
	1233	4.7	1.4
	1844	1.0	0.3
31 W	0044	4.0	1.2
	0633	0.8	0.2
	1327	4.8	1.5
	2027	1.1	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0147	3.9	1.2
	0757	0.9	0.3
	1432	4.9	1.5
	2142	0.8	0.2
2 F	0306	3.8	1.2
	0935	0.8	0.2
	1547	5.0	1.5
	2243	0.5	0.2
3 Sa	0430	4.0	1.2
	1044	0.5	0.2
	1700	5.3	1.6
	2338	0.1	0.0
4 Su	0539	4.4	1.3
	1145	0.2	0.1
	1801	5.6	1.7
5 M	0032	-0.3	-0.1
	0635	4.9	1.5
	1243	-0.2	-0.1
	1856	5.8	1.8
6 Tu	0123	-0.6	-0.2
	0727	5.2	1.6
	1338	-0.4	-0.1
	1947	6.0	1.8
7 W	0211	-0.8	-0.2
	0816	5.5	1.7
	1429	-0.6	-0.2
	2036	5.9	1.8
8 Th	0257	-0.9	-0.3
	0906	5.7	1.7
	1518	-0.6	-0.2
	2126	5.7	1.7
9 F	0342	-0.8	-0.2
	0958	5.7	1.7
	1606	-0.5	-0.2
	2219	5.4	1.6
10 Sa	0426	-0.6	-0.2
	1050	5.6	1.7
	1655	-0.2	-0.1
	2312	5.0	1.5
11 Su	0511	-0.2	-0.1
	1141	5.4	1.6
	1746	0.2	0.1
12 M	0005	4.6	1.4
	0559	0.2	0.1
	1233	5.1	1.6
	1847	0.6	0.2
13 Tu	0058	4.3	1.3
	0658	0.7	0.2
	1327	4.9	1.5
	1955	0.8	0.2
14 W	0152	4.0	1.2
	0804	1.0	0.3
	1420	4.7	1.4
	2100	0.9	0.3
15 Th	0252	3.8	1.2
	0910	1.1	0.3
	1519	4.5	1.4
	2157	0.8	0.2
16 F	0354	3.7	1.1
	1009	1.0	0.3
	1618	4.5	1.4
	2249	0.7	0.2
17 Sa	0455	3.8	1.2
	1100	0.9	0.3
	1715	4.6	1.4
	2337	0.5	0.2
18 Su	0547	4.1	1.2
	1147	0.7	0.2
	1802	4.8	1.5
19 M	0022	0.3	0.1
	0632	4.3	1.3
	1232	0.6	0.2
	1845	4.9	1.5
20 Tu	0104	0.1	0.0
	0711	4.6	1.4
	1315	0.4	0.1
	1923	5.0	1.5
21 W	0143	0.0	0.0
	0748	4.7	1.4
	1357	0.2	0.1
	1958	5.0	1.5
22 Th	0219	0.0	0.0
	0822	4.8	1.5
	1435	0.2	0.1
	2030	5.0	1.5
23 F	0254	0.0	0.0
	0853	4.9	1.5
	1510	0.1	0.0
	2102	4.8	1.5
24 Sa	0323	0.1	0.0
	0925	4.9	1.5
	1544	0.2	0.1
	2131	4.6	1.4
25 Su	0350	0.2	0.1
	0953	4.9	1.5
	1616	0.3	0.1
	2203	4.4	1.3
26 M	0411	0.3	0.1
	1027	4.9	1.5
	1648	0.5	0.2
	2245	4.2	1.3
27 Tu	0440	0.4	0.1
	1114	4.9	1.5
	1730	0.6	0.2
	2336	4.0	1.2
28 W	0516	0.6	0.2
	1207	4.8	1.5
	1833	0.8	0.2
29 Th	0036	3.9	1.2
	0609	0.8	0.2
	1308	4.8	1.5
	2008	0.9	0.3
30 F	0146	3.8	1.2
	0747	1.0	0.3
	1418	4.8	1.5
	2124	0.7	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0303	3.9	1.2	16 Su	0421	3.8	1.2
	0930	0.8	0.2		1032	1.0	0.3
	1535	4.9	1.5		1637	4.3	1.3
	2224	0.3	0.1		2302	0.5	0.2
2 Su	0420	4.2	1.3	17 M	0514	4.0	1.2
	1036	0.5	0.2		1118	0.7	0.2
	1645	5.1	1.6		1726	4.4	1.3
	2318	0.0	0.0		2347	0.3	0.1
3 M	0524	4.6	1.4	18 Tu	0600	4.3	1.3
	1134	0.1	0.0		1204	0.5	0.2
	1745	5.3	1.6		1809	4.6	1.4
4 Tu	0009	-0.4	-0.1	19 W	0027	0.1	0.0
	0619	5.1	1.6		0638	4.6	1.4
	1230	-0.3	-0.1		1248	0.3	0.1
	1839	5.5	1.7		1851	4.7	1.4
5 W	0100	-0.7	-0.2	20 Th	0107	0.0	0.0
	0709	5.5	1.7		0715	4.8	1.5
	1321	-0.6	-0.2		1328	0.1	0.0
	1928	5.6	1.7		1928	4.7	1.4
6 Th	0146	-0.8	-0.2	21 F	0143	-0.1	0.0
	0755	5.7	1.7		0747	5.0	1.5
	1411	-0.7	-0.2		1408	-0.1	0.0
	2016	5.5	1.7		2001	4.7	1.4
7 F	0231	-0.8	-0.2	22 Sa	0219	-0.1	0.0
	0842	5.8	1.8		0819	5.1	1.6
	1459	-0.7	-0.2		1447	-0.2	-0.1
	2103	5.3	1.6		2033	4.6	1.4
8 Sa	0314	-0.7	-0.2	23 Su	0251	-0.1	0.0
	0929	5.7	1.7		0849	5.2	1.6
	1545	-0.6	-0.2		1524	-0.1	0.0
	2152	5.0	1.5		2105	4.4	1.3
9 Su	0356	-0.4	-0.1	24 M	0321	0.0	0.0
	1019	5.5	1.7		0923	5.1	1.6
	1631	-0.3	-0.1		1601	-0.1	0.0
	2245	4.6	1.4		2144	4.2	1.3
10 M	0438	-0.1	0.0	25 Tu	0351	0.1	0.0
	1107	5.2	1.6		1006	5.1	1.6
	1719	0.1	0.0		1640	0.1	0.0
	2336	4.3	1.3		2235	4.0	1.2
11 Tu	0522	0.4	0.1	26 W	0424	0.3	0.1
	1159	4.9	1.5		1058	5.0	1.5
	1813	0.5	0.2		1725	0.3	0.1
					2338	3.8	1.2
12 W	0031	4.0	1.2	27 Th	0507	0.5	0.2
	0613	0.8	0.2		1157	4.8	1.5
	1252	4.6	1.4		1829	0.4	0.1
	1916	0.8	0.2				
13 Th	0124	3.7	1.1	28 F	0042	3.8	1.2
	0722	1.1	0.3		0610	0.7	0.2
	1344	4.4	1.3		1303	4.7	1.4
	2023	0.9	0.3		1953	0.5	0.2
14 F	0221	3.6	1.1	29 Sa	0151	3.8	1.2
	0835	1.3	0.4		0759	0.8	0.2
	1438	4.2	1.3		1410	4.7	1.4
	2125	0.8	0.2		2103	0.3	0.1
15 Sa	0320	3.6	1.1	30 Su	0301	4.0	1.2
	0938	1.2	0.4		0921	0.6	0.2
	1539	4.2	1.3		1520	4.7	1.4
	2217	0.7	0.2		2203	0.0	0.0
				31 M	0407	4.3	1.3
					1025	0.3	0.1
					1628	4.8	1.5
					2257	-0.3	-0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0508	4.8	1.5	16 W	0518	4.2	1.3
	1121	-0.1	0.0		1131	0.4	0.1
	1728	4.9	1.5		1729	4.1	1.2
	2347	-0.5	-0.2		2347	0.0	0.0
2 W	0600	5.2	1.6	17 Th	0600	4.5	1.4
	1214	-0.4	-0.1		1216	0.2	0.1
	1821	5.0	1.5		1812	4.2	1.3
3 Th	0033	-0.7	-0.2	18 F	0027	-0.1	0.0
	0649	5.5	1.7		0638	4.8	1.5
	1305	-0.6	-0.2		1259	-0.1	0.0
	1909	5.1	1.6		1854	4.3	1.3
4 F	0120	-0.8	-0.2	19 Sa	0105	-0.2	-0.1
	0734	5.7	1.7		0713	5.0	1.5
	1354	-0.8	-0.2		1342	-0.3	-0.1
	1956	5.0	1.5		1931	4.3	1.3
5 Sa	0205	-0.7	-0.2	20 Su	0144	-0.3	-0.1
	0818	5.7	1.7		0749	5.2	1.6
	1440	-0.7	-0.2		1425	-0.4	-0.1
	2042	4.8	1.5		2008	4.3	1.3
6 Su	0249	-0.6	-0.2	21 M	0223	-0.3	-0.1
	0903	5.6	1.7		0826	5.3	1.6
	1526	-0.6	-0.2		1506	-0.5	-0.2
	2129	4.5	1.4		2049	4.1	1.2
7 M	0329	-0.3	-0.1	22 Tu	0259	-0.3	-0.1
	0950	5.3	1.6		0905	5.3	1.6
	1608	-0.4	-0.1		1550	-0.5	-0.2
	2219	4.2	1.3		2137	4.0	1.2
8 Tu	0410	0.0	0.0	23 W	0337	-0.2	-0.1
	1037	5.0	1.5		0955	5.2	1.6
	1653	0.0	0.0		1632	-0.4	-0.1
	2309	3.9	1.2		2237	3.9	1.2
9 W	0451	0.4	0.1	24 Th	0422	0.0	0.0
	1127	4.7	1.4		1053	5.0	1.5
	1741	0.3	0.1		1722	-0.2	-0.1
					2341	3.8	1.2
10 Th	0002	3.7	1.1	25 F	0512	0.2	0.1
	0536	0.7	0.2		1157	4.8	1.5
	1215	4.4	1.3		1822	-0.1	0.0
	1834	0.5	0.2				
11 F	0055	3.5	1.1	26 Sa	0042	3.9	1.2
	0634	1.1	0.3		0623	0.4	0.1
	1306	4.2	1.3		1258	4.7	1.4
	1939	0.7	0.2		1932	0.0	0.0
12 Sa	0148	3.5	1.1	27 Su	0143	4.0	1.2
	0751	1.2	0.4		0751	0.5	0.2
	1356	4.0	1.2		1359	4.5	1.4
	2042	0.7	0.2		2040	-0.1	0.0
13 Su	0241	3.5	1.1	28 M	0245	4.2	1.3
	0901	1.2	0.4		0907	0.3	0.1
	1450	3.9	1.2		1503	4.4	1.3
	2135	0.6	0.2		2139	-0.3	-0.1
14 M	0336	3.6	1.1	29 Tu	0345	4.4	1.3
	0956	1.0	0.3		1009	0.0	0.0
	1545	3.9	1.2		1607	4.4	1.3
	2223	0.4	0.1		2233	-0.5	-0.2
15 Tu	0430	3.9	1.2	30 W	0446	4.7	1.4
	1045	0.7	0.2		1105	-0.2	-0.1
	1641	4.0	1.2		1708	4.4	1.3
	2305	0.2	0.1		2321	-0.6	-0.2

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0539	5.0	1.5	16 F	0515	4.3	1.3
	1158	-0.5	-0.2		1142	0.1	0.0
	1801	4.4	1.3		1732	3.7	1.1
					2347	-0.1	0.0
2 F	0011	-0.7	-0.2	17 Sa	0601	4.6	1.4
	0630	5.3	1.6		1230	-0.2	-0.1
	1248	-0.6	-0.2		1820	3.8	1.2
	1851	4.4	1.3				
3 Sa	0056	-0.7	-0.2	18 Su	0030	-0.3	-0.1
	0714	5.4	1.6		0643	4.9	1.5
	1336	-0.7	-0.2		1316	-0.4	-0.1
	1936	4.4	1.3		1904	4.0	1.2
4 Su	0141	-0.6	-0.2	19 M	0115	-0.4	-0.1
	0758	5.4	1.6		0724	5.2	1.6
	1423	-0.7	-0.2		1403	-0.7	-0.2
	2022	4.2	1.3		1949	4.0	1.2
5 M	0226	-0.5	-0.2	20 Tu	0201	-0.5	-0.2
	0841	5.2	1.6		0808	5.3	1.6
	1507	-0.6	-0.2		1449	-0.8	-0.2
	2107	4.0	1.2		2038	4.0	1.2
6 Tu	0307	-0.3	-0.1	21 W	0247	-0.6	-0.2
	0925	5.0	1.5		0855	5.3	1.6
	1549	-0.5	-0.2		1534	-0.9	-0.3
	2155	3.8	1.2		2131	4.0	1.2
7 W	0347	-0.1	0.0	22 Th	0332	-0.5	-0.2
	1008	4.7	1.4		0947	5.2	1.6
	1631	-0.3	-0.1		1622	-0.9	-0.3
	2245	3.6	1.1		2231	4.1	1.2
8 Th	0427	0.2	0.1	23 F	0421	-0.4	-0.1
	1055	4.5	1.4		1048	5.1	1.6
	1712	0.0	0.0		1711	-0.8	-0.2
	2335	3.5	1.1		2330	4.1	1.2
9 F	0504	0.5	0.2	24 Sa	0514	-0.3	-0.1
	1141	4.2	1.3		1146	4.9	1.5
	1757	0.2	0.1		1805	-0.6	-0.2
10 Sa	0023	3.4	1.0	25 Su	0029	4.2	1.3
	0549	0.8	0.2		0620	0.0	0.0
	1226	4.0	1.2		1244	4.6	1.4
	1847	0.4	0.1		1906	-0.5	-0.2
11 Su	0109	3.4	1.0	26 M	0127	4.3	1.3
	0652	1.0	0.3		0734	0.1	0.0
	1311	3.8	1.2		1343	4.4	1.3
	1946	0.5	0.2		2011	-0.4	-0.1
12 M	0155	3.4	1.0	27 Tu	0222	4.3	1.3
	0807	1.0	0.3		0846	0.1	0.0
	1355	3.7	1.1		1440	4.2	1.3
	2045	0.4	0.1		2111	-0.4	-0.1
13 Tu	0244	3.5	1.1	28 W	0322	4.5	1.4
	0911	0.9	0.3		0948	-0.1	0.0
	1446	3.6	1.1		1543	4.0	1.2
	2135	0.4	0.1		2207	-0.4	-0.1
14 W	0335	3.7	1.1	29 Th	0422	4.6	1.4
	1004	0.7	0.2		1046	-0.2	-0.1
	1542	3.6	1.1		1644	3.9	1.2
	2220	0.2	0.1		2257	-0.5	-0.2
15 Th	0425	4.0	1.2	30 F	0519	4.8	1.5
	1054	0.4	0.1		1139	-0.4	-0.1
	1638	3.6	1.1		1742	3.9	1.2
	2303	0.1	0.0		2348	-0.5	-0.2
				31 Sa	0611	4.9	1.5
					1230	-0.5	-0.2
					1834	3.9	1.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0035	-0.7	-0.2	16 Su	0049	-0.3	-0.1
	0611	4.4	1.3		0618	4.0	1.2
	1238	-0.4	-0.1		1253	0.3	0.1
	1829	5.8	1.8		1835	5.3	1.6
2 Su	0124	-0.7	-0.2	17 M	0131	-0.2	-0.1
	0704	4.5	1.4		0657	4.1	1.2
	1331	-0.3	-0.1		1336	0.4	0.1
	1918	5.6	1.7		1909	5.1	1.6
3 M	0215	-0.7	-0.2	18 Tu	0212	-0.2	-0.1
	0757	4.5	1.4		0736	4.2	1.3
	1426	-0.2	-0.1		1421	0.5	0.2
	2010	5.3	1.6		1946	5.0	1.5
4 Tu	0306	-0.6	-0.2	19 W	0253	-0.1	0.0
	0853	4.6	1.4		0817	4.4	1.3
	1524	0.0	0.0		1509	0.6	0.2
	2105	5.0	1.5		2026	4.8	1.5
5 W	0358	-0.5	-0.2	20 Th	0338	0.0	0.0
	0949	4.6	1.4		0903	4.5	1.4
	1622	0.1	0.0		1603	0.7	0.2
	2201	4.7	1.4		2109	4.6	1.4
6 Th	0451	-0.4	-0.1	21 F	0423	0.0	0.0
	1047	4.7	1.4		0954	4.7	1.4
	1720	0.1	0.0		1659	0.7	0.2
	2301	4.4	1.3		2202	4.4	1.3
7 F	0544	-0.3	-0.1	22 Sa	0514	0.1	0.0
	1144	4.9	1.5		1051	4.8	1.5
	1819	0.1	0.0		1759	0.6	0.2
	2359	4.1	1.2		2303	4.2	1.3
8 Sa	0638	-0.2	-0.1	23 Su	0608	0.1	0.0
	1242	5.0	1.5		1152	5.0	1.5
	1917	0.0	0.0		1857	0.5	0.2
9 Su	0058	3.9	1.2	24 M	0009	4.0	1.2
	0730	-0.2	-0.1		0701	0.0	0.0
	1334	5.1	1.6		1252	5.2	1.6
	2011	-0.1	0.0		1955	0.3	0.1
10 M	0155	3.9	1.2	25 Tu	0114	4.0	1.2
	0822	-0.1	0.0		0758	-0.1	0.0
	1425	5.3	1.6		1350	5.4	1.6
	2103	-0.3	-0.1		2051	0.0	0.0
11 Tu	0248	3.8	1.2	26 W	0217	4.1	1.2
	0911	-0.1	0.0		0851	-0.2	-0.1
	1515	5.3	1.6		1446	5.6	1.7
	2152	-0.3	-0.1		2143	-0.2	-0.1
12 W	0336	3.8	1.2	27 Th	0315	4.2	1.3
	0957	-0.1	0.0		0945	-0.3	-0.1
	1558	5.4	1.6		1541	5.8	1.8
	2239	-0.4	-0.1		2235	-0.4	-0.1
13 Th	0420	3.8	1.2	28 F	0411	4.4	1.3
	1043	0.0	0.0		1037	-0.4	-0.1
	1640	5.4	1.6		1633	5.9	1.8
	2324	-0.4	-0.1		2324	-0.6	-0.2
14 F	0502	3.9	1.2	29 Sa	0504	4.5	1.4
	1128	0.1	0.0		1130	-0.4	-0.1
	1720	5.4	1.6		1722	5.9	1.8
15 Sa	0007	-0.4	-0.1	30 Su	0013	-0.7	-0.2
	0542	3.9	1.2		0555	4.7	1.4
	1210	0.2	0.1		1221	-0.4	-0.1
	1758	5.3	1.6		1812	5.8	1.8
				31 M	0102	-0.7	-0.2
					0647	4.8	1.5
					1314	-0.3	-0.1
					1859	5.5	1.7

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0149	-0.6	-0.2	16 W	0139	0.0	0.0
	0736	4.9	1.5		0707	4.7	1.4
	1407	-0.2	-0.1		1357	0.6	0.2
	1948	5.3	1.6		1915	5.1	1.6
2 W	0239	-0.5	-0.2	17 Th	0218	0.1	0.0
	0828	5.0	1.5		0747	4.9	1.5
	1501	0.0	0.0		1442	0.7	0.2
	2039	4.9	1.5		1954	4.9	1.5
3 Th	0327	-0.4	-0.1	18 F	0301	0.1	0.0
	0920	5.0	1.5		0829	5.1	1.6
	1556	0.1	0.0		1535	0.7	0.2
	2132	4.6	1.4		2039	4.7	1.4
4 F	0420	-0.2	-0.1	19 Sa	0346	0.2	0.1
	1015	5.0	1.5		0919	5.2	1.6
	1654	0.2	0.1		1631	0.8	0.2
	2228	4.3	1.3		2130	4.5	1.4
5 Sa	0512	0.0	0.0	20 Su	0438	0.3	0.1
	1111	5.1	1.6		1015	5.3	1.6
	1751	0.2	0.1		1731	0.7	0.2
	2326	4.0	1.2		2233	4.3	1.3
6 Su	0606	0.1	0.0	21 M	0535	0.3	0.1
	1207	5.1	1.6		1119	5.3	1.6
	1846	0.2	0.1		1831	0.6	0.2
					2343	4.2	1.3
7 M	0026	3.9	1.2	22 Tu	0634	0.3	0.1
	0658	0.2	0.1		1224	5.4	1.6
	1301	5.2	1.6		1930	0.4	0.1
	1942	0.1	0.0				
8 Tu	0122	3.8	1.2	23 W	0052	4.2	1.3
	0752	0.2	0.1		0735	0.2	0.1
	1354	5.3	1.6		1327	5.6	1.7
	2035	0.0	0.0		2027	0.2	0.1
9 W	0217	3.9	1.2	24 Th	0158	4.3	1.3
	0843	0.2	0.1		0830	0.1	0.0
	1444	5.4	1.6		1427	5.7	1.7
	2123	-0.1	0.0		2121	0.0	0.0
10 Th	0308	3.9	1.2	25 F	0259	4.5	1.4
	0931	0.2	0.1		0927	-0.1	0.0
	1531	5.4	1.6		1523	5.8	1.8
	2211	-0.2	-0.1		2213	-0.3	-0.1
11 F	0353	4.0	1.2	26 Sa	0355	4.7	1.4
	1018	0.2	0.1		1021	-0.2	-0.1
	1613	5.5	1.7		1616	5.9	1.8
	2256	-0.2	-0.1		2302	-0.4	-0.1
12 Sa	0435	4.1	1.2	27 Su	0447	5.0	1.5
	1103	0.2	0.1		1113	-0.2	-0.1
	1654	5.5	1.7		1706	5.8	1.8
	2339	-0.2	-0.1		2350	-0.5	-0.2
13 Su	0517	4.3	1.3	28 M	0538	5.2	1.6
	1146	0.3	0.1		1205	-0.2	-0.1
	1733	5.4	1.6		1752	5.7	1.7
14 M	0020	-0.2	-0.1				
	0553	4.4	1.3				
	1230	0.4	0.1				
	1808	5.3	1.6				
15 Tu	0100	-0.1	0.0				
	0630	4.6	1.4				
	1312	0.5	0.2				
	1843	5.2	1.6				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0036	-0.5	-0.2	16 W	0028	0.2	0.1
	0625	5.3	1.6		0602	5.2	1.6
	1256	-0.1	0.0		1250	0.6	0.2
	1840	5.5	1.7		1816	5.2	1.6
2 W	0123	-0.3	-0.1	17 Th	0107	0.2	0.1
	0713	5.4	1.6		0638	5.3	1.6
	1346	0.0	0.0		1333	0.6	0.2
	1927	5.2	1.6		1851	5.1	1.6
3 Th	0210	-0.2	-0.1	18 F	0146	0.3	0.1
	0801	5.4	1.6		0717	5.5	1.7
	1437	0.1	0.0		1421	0.7	0.2
	2014	4.9	1.5		1931	5.0	1.5
4 F	0257	0.0	0.0	19 Sa	0228	0.4	0.1
	0850	5.4	1.6		0802	5.6	1.7
	1530	0.3	0.1		1511	0.8	0.2
	2103	4.6	1.4		2017	4.8	1.5
5 Sa	0347	0.2	0.1	20 Su	0317	0.5	0.2
	0940	5.4	1.6		0851	5.6	1.7
	1625	0.4	0.1		1607	0.8	0.2
	2156	4.4	1.3		2109	4.6	1.4
6 Su	0439	0.4	0.1	21 M	0409	0.6	0.2
	1034	5.3	1.6		0950	5.6	1.7
	1721	0.5	0.2		1706	0.8	0.2
	2252	4.2	1.3		2215	4.5	1.4
7 M	0533	0.5	0.2	22 Tu	0511	0.6	0.2
	1128	5.3	1.6		1054	5.6	1.7
	1816	0.5	0.2		1805	0.7	0.2
	2351	4.1	1.2		2327	4.4	1.3
8 Tu	0627	0.6	0.2	23 W	0614	0.6	0.2
	1224	5.3	1.6		1201	5.6	1.7
	1911	0.4	0.1		1904	0.5	0.2
9 W	0048	4.1	1.2	24 Th	0036	4.5	1.4
	0721	0.6	0.2		0714	0.5	0.2
	1319	5.4	1.6		1306	5.7	1.7
	2002	0.3	0.1		2001	0.3	0.1
10 Th	0143	4.1	1.2	25 F	0142	4.7	1.4
	0814	0.5	0.2		0814	0.3	0.1
	1411	5.4	1.6		1406	5.7	1.7
	2054	0.2	0.1		2056	0.1	0.0
11 F	0236	4.3	1.3	26 Sa	0243	4.9	1.5
	0904	0.5	0.2		0910	0.2	0.1
	1459	5.5	1.7		1504	5.8	1.8
	2141	0.1	0.0		2147	-0.1	0.0
12 Sa	0323	4.4	1.3	27 Su	0336	5.2	1.6
	0952	0.4	0.1		1004	0.0	0.0
	1544	5.5	1.7		1557	5.8	1.8
	2226	0.1	0.0		2237	-0.2	-0.1
13 Su	0408	4.6	1.4	28 M	0428	5.5	1.7
	1037	0.4	0.1		1056	-0.1	0.0
	1626	5.5	1.7		1647	5.7	1.7
	2308	0.1	0.0		2324	-0.2	-0.1
14 M	0448	4.8	1.5	29 Tu	0517	5.6	1.7
	1122	0.5	0.2		1146	-0.1	0.0
	1704	5.4	1.6		1734	5.5	1.7
	2349	0.1	0.0				
15 Tu	0526	5.0	1.5	30 W	0009	-0.1	0.0
	1206	0.5	0.2		0603	5.8	1.8
	1740	5.4	1.6		1236	0.0	0.0
					1818	5.3	1.6
				31 Th	0055	0.0	0.0
					0648	5.8	1.8
					1324	0.1	0.0
					1903	5.1	1.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water during lowest river stages which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0141	0.2	0.1	16	0117	0.4	0.1
F	0732	5.8	1.8	Sa	0654	5.9	1.8
	1413	0.2	0.1		1401	0.6	0.2
	1949	4.8	1.5		1915	4.9	1.5
2	0226	0.4	0.1	17	0202	0.5	0.2
Sa	0818	5.7	1.7	Su	0739	5.9	1.8
	1504	0.4	0.1		1453	0.6	0.2
	2034	4.6	1.4		2003	4.8	1.5
3	0317	0.6	0.2	18	0252	0.6	0.2
Su	0904	5.6	1.7	M	0831	5.9	1.8
	1555	0.5	0.2		1545	0.6	0.2
	2125	4.4	1.3		2101	4.7	1.4
4	0406	0.8	0.2	19	0350	0.7	0.2
M	0955	5.5	1.7	Tu	0930	5.8	1.8
	1649	0.6	0.2		1644	0.6	0.2
	2217	4.3	1.3		2206	4.6	1.4
5	0459	0.9	0.3	20	0451	0.7	0.2
Tu	1049	5.4	1.6	W	1033	5.7	1.7
	1741	0.6	0.2		1743	0.5	0.2
	2313	4.3	1.3		2314	4.6	1.4
6	0554	0.9	0.3	21	0554	0.6	0.2
W	1145	5.4	1.6	Th	1140	5.6	1.7
	1834	0.6	0.2		1840	0.4	0.1
7	0012	4.3	1.3	22	0021	4.7	1.4
Th	0649	0.9	0.3	F	0655	0.5	0.2
	1241	5.4	1.6		1244	5.5	1.7
	1927	0.5	0.2		1937	0.2	0.1
8	0108	4.4	1.3	23	0124	5.0	1.5
F	0742	0.8	0.2	Sa	0756	0.4	0.1
	1334	5.4	1.6		1346	5.5	1.7
	2018	0.4	0.1		2030	0.1	0.0
9	0201	4.6	1.4	24	0225	5.2	1.6
Sa	0834	0.7	0.2	Su	0852	0.2	0.1
	1425	5.4	1.6		1443	5.4	1.6
	2105	0.3	0.1		2121	0.0	0.0
10	0249	4.8	1.5	25	0317	5.5	1.7
Su	0924	0.6	0.2	M	0947	0.1	0.0
	1511	5.4	1.6		1536	5.4	1.6
	2151	0.3	0.1		2211	-0.1	0.0
11	0334	5.0	1.5	26	0406	5.7	1.7
M	1012	0.6	0.2	Tu	1038	0.0	0.0
	1553	5.3	1.6		1625	5.2	1.6
	2234	0.2	0.1		2257	0.0	0.0
12	0416	5.2	1.6	27	0453	5.9	1.8
Tu	1058	0.5	0.2	W	1127	-0.1	0.0
	1635	5.3	1.6		1714	5.1	1.6
	2315	0.3	0.1		2343	0.1	0.0
13	0457	5.4	1.6	28	0539	5.9	1.8
W	1143	0.5	0.2	Th	1216	0.0	0.0
	1713	5.2	1.6		1757	4.9	1.5
	2356	0.3	0.1				
14	0534	5.6	1.7	29	0028	0.3	0.1
Th	1227	0.5	0.2	F	0621	5.9	1.8
	1752	5.1	1.6		1302	0.1	0.0
					1839	4.7	1.4
15	0035	0.4	0.1	30	0113	0.4	0.1
F	0612	5.8	1.8	Sa	0704	5.8	1.8
	1312	0.5	0.2		1349	0.2	0.1
	1831	5.0	1.5		1923	4.6	1.4

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0157	0.6	0.2	16	0141	0.3	0.1
Su	0746	5.7	1.7	M	0722	6.0	1.8
	1437	0.3	0.1		1432	0.2	0.1
	2007	4.5	1.4		1955	4.6	1.4
2	0244	0.8	0.2	17	0234	0.4	0.1
M	0829	5.6	1.7	Tu	0815	5.8	1.8
	1525	0.4	0.1		1526	0.2	0.1
	2053	4.4	1.3		2053	4.6	1.4
3	0335	0.9	0.3	18	0332	0.5	0.2
Tu	0917	5.5	1.7	W	0913	5.7	1.7
	1616	0.5	0.2		1622	0.2	0.1
	2143	4.3	1.3		2156	4.6	1.4
4	0427	1.0	0.3	19	0434	0.5	0.2
W	1010	5.4	1.6	Th	1015	5.5	1.7
	1707	0.5	0.2		1717	0.1	0.0
	2239	4.3	1.3		2259	4.7	1.4
5	0521	1.0	0.3	20	0535	0.5	0.2
Th	1103	5.3	1.6	F	1118	5.3	1.6
	1758	0.5	0.2		1815	0.1	0.0
	2335	4.4	1.3				
6	0617	0.9	0.3	21	0004	4.9	1.5
F	1159	5.2	1.6	Sa	0636	0.4	0.1
	1850	0.4	0.1		1222	5.1	1.6
					1909	0.0	0.0
7	0031	4.6	1.4	22	0104	5.1	1.6
Sa	0711	0.9	0.3	Su	0735	0.2	0.1
	1251	5.1	1.6		1322	5.0	1.5
	1940	0.3	0.1		2003	-0.1	0.0
8	0124	4.8	1.5	23	0201	5.3	1.6
Su	0804	0.7	0.2	M	0833	0.1	0.0
	1343	5.0	1.5		1421	4.8	1.5
	2027	0.3	0.1		2054	-0.1	0.0
9	0213	5.0	1.5	24	0254	5.5	1.7
M	0856	0.6	0.2	Tu	0927	-0.1	0.0
	1435	5.0	1.5		1514	4.7	1.4
	2115	0.2	0.1		2144	-0.1	0.0
10	0301	5.2	1.6	25	0344	5.7	1.7
Tu	0946	0.5	0.2	W	1019	-0.2	-0.1
	1520	4.9	1.5		1604	4.6	1.4
	2200	0.2	0.1		2230	0.0	0.0
11	0345	5.5	1.7	26	0430	5.8	1.8
W	1032	0.4	0.1	Th	1108	-0.2	-0.1
	1604	4.9	1.5		1651	4.5	1.4
	2242	0.2	0.1		2317	0.1	0.0
12	0427	5.7	1.7	27	0514	5.8	1.8
Th	1119	0.3	0.1	F	1154	-0.2	-0.1
	1646	4.8	1.5		1736	4.4	1.3
	2324	0.2	0.1				
13	0508	5.8	1.8	28	0000	0.2	0.1
F	1206	0.2	0.1	Sa	0555	5.7	1.7
	1731	4.7	1.4		1239	-0.1	0.0
					1817	4.3	1.3
14	0006	0.3	0.1	29	0046	0.4	0.1
Sa	0550	5.9	1.8	Su	0635	5.6	1.7
	1253	0.2	0.1		1325	-0.1	0.0
	1815	4.7	1.4		1858	4.2	1.3
15	0051	0.3	0.1	30	0130	0.5	0.2
Su	0635	6.0	1.8	M	0716	5.5	1.7
	1341	0.2	0.1		1410	0.0	0.0
	1901	4.7	1.4		1941	4.2	1.3
				31	0216	0.6	0.2
				Tu	0757	5.4	1.6
					1456	0.1	0.0
					2024	4.2	1.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0304	0.7	0.2	16	0314	0.1	0.0
W	0840	5.3	1.6	Th	0855	5.3	1.6
	1543	0.2	0.1		1558	-0.4	-0.1
	2111	4.2	1.3		2140	4.5	1.4
2	0354	0.8	0.2	17	0415	0.1	0.0
Th	0929	5.1	1.6	F	0954	5.1	1.6
	1632	0.2	0.1		1652	-0.4	-0.1
	2202	4.2	1.3		2241	4.7	1.4
3	0449	0.8	0.2	18	0516	0.1	0.0
F	1020	4.9	1.5	Sa	1055	4.8	1.5
	1721	0.2	0.1		1746	-0.3	-0.1
	2257	4.4	1.3		2343	4.8	1.5
4	0543	0.8	0.2	19	0615	0.1	0.0
Sa	1112	4.8	1.5	Su	1156	4.5	1.4
	1811	0.1	0.0		1841	-0.3	-0.1
	2349	4.5	1.4				
5	0639	0.7	0.2	20	0041	5.0	1.5
Su	1208	4.6	1.4	M	0715	0.0	0.0
	1900	0.1	0.0		1257	4.3	1.3
					1934	-0.3	-0.1
6	0045	4.7	1.4	21	0137	5.2	1.6
M	0734	0.6	0.2	Tu	0812	-0.2	-0.1
	1301	4.5	1.4		1356	4.2	1.3
	1950	0.1	0.0		2026	-0.3	-0.1
7	0137	5.0	1.5	22	0230	5.3	1.6
Tu	0827	0.4	0.1	W	0905	-0.3	-0.1
	1353	4.4	1.3		1451	4.1	1.2
	2038	0.0	0.0		2115	-0.2	-0.1
8	0225	5.2	1.6	23	0320	5.4	1.6
W	0918	0.2	0.1	Th	0957	-0.4	-0.1
	1445	4.4	1.3		1541	4.0	1.2
	2124	0.0	0.0		2203	-0.2	-0.1
9	0312	5.4	1.6	24	0405	5.5	1.7
Th	1008	0.1	0.0	F	1045	-0.5	-0.2
	1535	4.3	1.3		1629	3.9	1.2
	2209	-0.1	0.0		2251	-0.1	0.0
10	0357	5.6	1.7	25	0448	5.4	1.6
F	1056	-0.1	0.0	Sa	1131	-0.5	-0.2
	1622	4.3	1.3		1712	3.9	1.2
	2256	-0.1	0.0		2335	0.0	0.0
11	0445	5.8	1.8	26	0530	5.4	1.6
Sa	1144	-0.2	-0.1	Su	1215	-0.4	-0.1
	1711	4.3	1.3		1753	3.9	1.2
	2344	-0.1	0.0				
12	0530	5.8	1.8	27	0019	0.1	0.0
Su	1231	-0.3	-0.1	M	0610	5.3	1.6
	1759	4.4	1.3		1259	-0.4	-0.1
					1832	3.9	1.2
13	0032	-0.1	0.0	28	0104	0.2	0.1
M	0617	5.8	1.8	Tu	0648	5.2	1.6
	1321	-0.3	-0.1		1343	-0.3	-0.1
	1851	4.4	1.3		1912	3.9	1.2
14	0123	0.0	0.0	29	0147	0.3	0.1
Tu	0707	5.8	1.8	W	0728	5.1	1.6
	1412	-0.3	-0.1		1426	-0.3	-0.1
	1944	4.4	1.3		1954	4.0	1.2
15	0217	0.0	0.0	30	0234	0.4	0.1
W	0759	5.6	1.7	Th	0807	5.0	1.5
	1503	-0.3	-0.1		1511	-0.2	-0.1
	2041	4.5	1.4		2037	4.1	1.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water during lowest river stages which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height ft	Height m
1 F	0322	0.5	0.2
	0850	4.8	1.5
	1555	-0.2	-0.1
	2125	4.2	1.3
2 Sa	0415	0.6	0.2
	0934	4.6	1.4
	1642	-0.1	0.0
	2215	4.3	1.3
3 Su	0510	0.6	0.2
	1027	4.4	1.3
	1731	-0.1	0.0
	2310	4.5	1.4
4 M	0606	0.5	0.2
	1119	4.2	1.3
	1821	-0.1	0.0
5 Tu	0004	4.7	1.4
	0702	0.4	0.1
	1218	4.0	1.2
	1911	-0.2	-0.1
6 W	0058	4.9	1.5
	0758	0.2	0.1
	1318	3.9	1.2
	2003	-0.2	-0.1
7 Th	0153	5.1	1.6
	0851	0.0	0.0
	1414	3.9	1.2
	2052	-0.3	-0.1
8 F	0243	5.3	1.6
	0942	-0.2	-0.1
	1509	3.9	1.2
	2142	-0.3	-0.1
9 Sa	0334	5.5	1.7
	1033	-0.4	-0.1
	1600	4.0	1.2
	2232	-0.4	-0.1
10 Su	0424	5.6	1.7
	1123	-0.6	-0.2
	1653	4.1	1.2
	2322	-0.4	-0.1
11 M	0512	5.7	1.7
	1211	-0.7	-0.2
	1743	4.2	1.3
12 Tu	0014	-0.4	-0.1
	0602	5.6	1.7
	1259	-0.8	-0.2
	1836	4.3	1.3
13 W	0106	-0.4	-0.1
	0651	5.5	1.7
	1349	-0.8	-0.2
	1930	4.4	1.3
14 Th	0200	-0.3	-0.1
	0741	5.3	1.6
	1440	-0.8	-0.2
	2023	4.5	1.4
15 F	0257	-0.3	-0.1
	0835	5.0	1.5
	1531	-0.7	-0.2
	2119	4.6	1.4
16 Sa	0354	-0.2	-0.1
	0931	4.6	1.4
	1624	-0.6	-0.2
	2217	4.7	1.4
17 Su	0454	-0.1	0.0
	1030	4.3	1.3
	1718	-0.5	-0.2
	2316	4.8	1.5
18 M	0553	-0.2	-0.1
	1130	4.0	1.2
	1812	-0.5	-0.2
19 Tu	0013	4.9	1.5
	0651	-0.2	-0.1
	1231	3.8	1.2
	1905	-0.4	-0.1
20 W	0110	5.0	1.5
	0747	-0.3	-0.1
	1330	3.7	1.1
	1959	-0.3	-0.1
21 Th	0203	5.1	1.6
	0840	-0.5	-0.2
	1427	3.6	1.1
	2049	-0.3	-0.1
22 F	0254	5.2	1.6
	0932	-0.5	-0.2
	1516	3.6	1.1
	2138	-0.3	-0.1
23 Sa	0340	5.2	1.6
	1019	-0.6	-0.2
	1603	3.6	1.1
	2226	-0.2	-0.1
24 Su	0424	5.2	1.6
	1106	-0.6	-0.2
	1647	3.7	1.1
	2311	-0.2	-0.1
25 M	0504	5.1	1.6
	1148	-0.6	-0.2
	1727	3.7	1.1
	2354	-0.1	0.0
26 Tu	0543	5.1	1.6
	1232	-0.6	-0.2
	1807	3.8	1.2
27 W	0037	0.0	0.0
	0621	5.0	1.5
	1312	-0.5	-0.2
	1844	3.9	1.2
28 Th	0122	0.1	0.0
	0657	4.9	1.5
	1354	-0.5	-0.2
	1923	4.0	1.2
29 F	0207	0.2	0.1
	0734	4.7	1.4
	1436	-0.4	-0.1
	2005	4.2	1.3
30 Sa	0253	0.3	0.1
	0810	4.5	1.4
	1518	-0.3	-0.1
	2047	4.3	1.3
31 Su	0344	0.4	0.1
	0852	4.3	1.3
	1603	-0.3	-0.1
	2134	4.4	1.3

AUGUST

Day	Time (h m)	Height ft	Height m
1 M	0439	0.4	0.1
	0941	4.1	1.2
	1651	-0.2	-0.1
	2230	4.6	1.4
2 Tu	0535	0.4	0.1
	1038	3.9	1.2
	1743	-0.2	-0.1
	2326	4.7	1.4
3 W	0633	0.3	0.1
	1140	3.7	1.1
	1836	-0.2	-0.1
4 Th	0022	4.9	1.5
	0729	0.1	0.0
	1244	3.7	1.1
	1931	-0.3	-0.1
5 F	0121	5.0	1.5
	0824	-0.1	0.0
	1348	3.7	1.1
	2026	-0.4	-0.1
6 Sa	0218	5.2	1.6
	0918	-0.3	-0.1
	1446	3.8	1.2
	2118	-0.5	-0.2
7 Su	0313	5.4	1.6
	1009	-0.6	-0.2
	1542	4.0	1.2
	2211	-0.6	-0.2
8 M	0405	5.5	1.7
	1059	-0.8	-0.2
	1635	4.2	1.3
	2303	-0.6	-0.2
9 Tu	0455	5.5	1.7
	1149	-0.9	-0.3
	1728	4.3	1.3
	2356	-0.7	-0.2
10 W	0544	5.4	1.6
	1236	-1.0	-0.3
	1819	4.5	1.4
11 Th	0048	-0.6	-0.2
	0634	5.3	1.6
	1324	-0.9	-0.3
	1910	4.6	1.4
12 F	0141	-0.5	-0.2
	0724	5.0	1.5
	1413	-0.9	-0.3
	2001	4.7	1.4
13 Sa	0237	-0.4	-0.1
	0813	4.7	1.4
	1503	-0.7	-0.2
	2053	4.8	1.5
14 Su	0332	-0.3	-0.1
	0906	4.4	1.3
	1554	-0.6	-0.2
	2149	4.8	1.5
15 M	0431	-0.2	-0.1
	1004	4.0	1.2
	1647	-0.4	-0.1
	2245	4.8	1.5
16 Tu	0526	-0.2	-0.1
	1103	3.8	1.2
	1741	-0.3	-0.1
	2342	4.9	1.5
17 W	0623	-0.2	-0.1
	1203	3.6	1.1
	1836	-0.2	-0.1
18 Th	0039	4.9	1.5
	0718	-0.3	-0.1
	1303	3.6	1.1
	1930	-0.2	-0.1
19 F	0133	4.9	1.5
	0813	-0.4	-0.1
	1356	3.6	1.1
	2022	-0.2	-0.1
20 Sa	0225	5.0	1.5
	0904	-0.5	-0.2
	1448	3.6	1.1
	2112	-0.2	-0.1
21 Su	0312	5.1	1.6
	0952	-0.6	-0.2
	1536	3.7	1.1
	2200	-0.2	-0.1
22 M	0357	5.1	1.6
	1036	-0.6	-0.2
	1619	3.8	1.2
	2246	-0.2	-0.1
23 Tu	0438	5.0	1.5
	1119	-0.6	-0.2
	1701	3.9	1.2
	2330	-0.1	0.0
24 W	0517	5.0	1.5
	1201	-0.6	-0.2
	1740	4.1	1.2
25 Th	0013	-0.1	0.0
	0555	4.9	1.5
	1242	-0.5	-0.2
	1815	4.2	1.3
26 F	0056	0.0	0.0
	0627	4.7	1.4
	1322	-0.4	-0.1
	1852	4.4	1.3
27 Sa	0141	0.2	0.1
	0702	4.6	1.4
	1400	-0.3	-0.1
	1929	4.5	1.4
28 Su	0226	0.3	0.1
	0737	4.4	1.3
	1442	-0.2	-0.1
	2010	4.6	1.4
29 M	0316	0.3	0.1
	0818	4.2	1.3
	1525	-0.1	0.0
	2058	4.7	1.4
30 Tu	0409	0.4	0.1
	0909	4.0	1.2
	1615	-0.1	0.0
	2150	4.8	1.5
31 W	0505	0.4	0.1
	1004	3.9	1.2
	1710	0.0	0.0
	2251	4.9	1.5

SEPTEMBER

Day	Time (h m)	Height ft	Height m
1 Th	0604	0.3	0.1
	1110	3.7	1.1
	1807	0.0	0.0
	2352	5.0	1.5
2 F	0703	0.1	0.0
	1220	3.7	1.1
	1905	-0.1	0.0
3 Sa	0056	5.1	1.6
	0759	-0.1	0.0
	1326	3.8	1.2
	2004	-0.3	-0.1
4 Su	0156	5.2	1.6
	0853	-0.3	-0.1
	1428	4.0	1.2
	2059	-0.4	-0.1
5 M	0252	5.3	1.6
	0945	-0.6	-0.2
	1524	4.3	1.3
	2154	-0.6	-0.2
6 Tu	0347	5.4	1.6
	1035	-0.8	-0.2
	1618	4.5	1.4
	2247	-0.7	-0.2
7 W	0437	5.4	1.6
	1124	-0.9	-0.3
	1709	4.8	1.5
	2339	-0.7	-0.2
8 Th	0526	5.3	1.6
	1211	-0.9	-0.3
	1758	4.9	1.5
9 F	0030	-0.7	-0.2
	0614	5.1	1.6
	1258	-0.8	-0.2
	1846	5.1	1.6
10 Sa	0122	-0.6	-0.2
	0702	4.8	1.5
	1345	-0.7	-0.2
	1936	5.1	1.6
11 Su	0214	-0.4	-0.1
	0751	4.5	1.4
	1434	-0.5	-0.2
	2027	5.1	1.6
12 M	0308	-0.3	-0.1
	0842	4.2	1.3
	1524	-0.3	-0.1
	2117	5.0	1.5
13 Tu	0402	-0.2	-0.1
	0935	4.0	1.2
	1617	-0.1	0.0
	2212	4.9	1.5
14 W	0458	-0.1	0.0
	1033	3.8	1.2
	1710	0.0	0.0
	2308	4.9	1.5
15 Th	0554	-0.1	0.0
	1132	3.7	1.1
	1806	0.1	0.0
16 F	0004	4.9	1.5
	0649	-0.1	0.0
	1229	3.7	1.1
	1901	0.1	0.0
17 Sa	0100	4.9	1.5
	0742	-0.2	-0.1
	1326	3.7	1.1
	1954	0.0	0.0
18 Su	0152	4.9	1.5
	0833	-0.3	-0.1
	1419	3.9	1.2
	2046	0.0	0.0
19 M	0241	5.0	1.5
	0920	-0.4	-0.1
	1505	4.0	1.2
	2134	-0.1	0.0
20 Tu	0327	5.0	1.5
	1005	-0.4	-0.1
	1550	4.2	1.3
	2220	-0.1	0.0
21 W	0409	5.0	1.5
	1048	-0.4	-0.1
	1632	4.4	1.3
	2306	-0.1	0.0
22 Th	0448	4.9	1.5
	1130	-0.4	-0.1
	1711	4.5	1.4
	2349	0.0	0.0
23 F	0526	4.8	1.5
	1209	-0.3	-0.1
	1746	4.7	1.4
24 Sa	0032	0.1	0.0
	0602	4.6	1.4
	1247	-0.2	-0.1
	1821	4.8	1.5
25 Su	0116	0.1	0.0
	0634	4.5	1.4
	1326	-0.1	0.0
	1859	5.0	1.5
26 M	0202	0.2	0.1
	0712	4.4	1.3
	1408	0.0	0.0
	1939	5.1	1.6
27 Tu	0250	0.3	0.1
	0752	4.2	1.3
	1453	0.1	0.0
	2026	5.1	1.6
28 W	0344	0.4	0.1
	0843	4.1	1.2
	1543	0.2	0.1
	2119	5.1	1.6
29 Th	0440	0.4	0.1
	0942	4.0	1.2
	1641	0.2	0.1
	2221	5.1	1.6
30 F	0538	0.3	0.1
	1052	3.9	1.2
	1744	0.2	0.1
	2326	5.1	1.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water during lowest river stages which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0636	0.1	0.0	16	0022	4.8	1.5
Sa	1203	4.0	1.2	Su	0706	-0.1	0.0
	1844	0.1	0.0		1251	4.0	1.2
					1924	0.3	0.1
2	0032	5.1	1.6	17	0116	4.8	1.5
Su	0733	-0.1	0.0	M	0758	-0.2	-0.1
	1308	4.1	1.2		1345	4.2	1.3
	1945	-0.1	0.0		2017	0.2	0.1
3	0135	5.2	1.6	18	0206	4.8	1.5
M	0827	-0.3	-0.1	Tu	0846	-0.2	-0.1
	1410	4.4	1.3		1433	4.4	1.3
	2043	-0.3	-0.1		2107	0.1	0.0
4	0232	5.2	1.6	19	0254	4.8	1.5
Tu	0920	-0.5	-0.2	W	0931	-0.3	-0.1
	1507	4.7	1.4		1520	4.6	1.4
	2137	-0.5	-0.2		2154	0.0	0.0
5	0328	5.2	1.6	20	0337	4.8	1.5
W	1010	-0.6	-0.2	Th	1014	-0.3	-0.1
	1600	5.0	1.5		1600	4.8	1.5
	2230	-0.6	-0.2		2241	0.0	0.0
6	0418	5.2	1.6	21	0418	4.7	1.4
Th	1058	-0.7	-0.2	F	1056	-0.3	-0.1
	1650	5.2	1.6		1640	5.0	1.5
	2322	-0.6	-0.2		2325	0.0	0.0
7	0507	5.0	1.5	22	0457	4.6	1.4
F	1145	-0.7	-0.2	Sa	1137	-0.2	-0.1
	1738	5.4	1.6		1717	5.1	1.6
8	0012	-0.6	-0.2	23	0010	0.0	0.0
Sa	0555	4.8	1.5	Su	0534	4.5	1.4
	1230	-0.5	-0.2		1215	-0.1	0.0
	1825	5.4	1.6		1755	5.3	1.6
9	0102	-0.5	-0.2	24	0054	0.1	0.0
Su	0643	4.6	1.4	M	0611	4.4	1.3
	1317	-0.3	-0.1		1256	0.0	0.0
	1910	5.4	1.6		1832	5.4	1.6
10	0152	-0.4	-0.1	25	0140	0.1	0.0
M	0729	4.3	1.3	Tu	0651	4.3	1.3
	1405	-0.1	0.0		1337	0.1	0.0
	1957	5.3	1.6		1914	5.4	1.6
11	0242	-0.2	-0.1	26	0228	0.2	0.1
Tu	0816	4.1	1.2	W	0736	4.2	1.3
	1453	0.1	0.0		1424	0.2	0.1
	2045	5.2	1.6		2000	5.4	1.6
12	0334	-0.1	0.0	27	0319	0.2	0.1
W	0908	4.0	1.2	Th	0829	4.1	1.2
	1546	0.2	0.1		1520	0.3	0.1
	2135	5.0	1.5		2056	5.3	1.6
13	0427	0.0	0.0	28	0415	0.2	0.1
Th	1002	3.8	1.2	F	0930	4.1	1.2
	1641	0.4	0.1		1620	0.3	0.1
	2230	4.9	1.5		2158	5.2	1.6
14	0521	0.0	0.0	29	0513	0.1	0.0
F	1059	3.8	1.2	Sa	1038	4.1	1.2
	1735	0.4	0.1		1723	0.3	0.1
	2326	4.9	1.5		2305	5.1	1.6
15	0614	0.0	0.0	30	0611	0.0	0.0
Sa	1156	3.9	1.2	Su	1147	4.2	1.3
	1831	0.4	0.1		1826	0.2	0.1
				31	0010	5.0	1.5
				M	0707	-0.2	-0.1
					1253	4.5	1.4
					1926	0.0	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0113	5.0	1.5	16	0126	4.5	1.4
Tu	0801	-0.3	-0.1	W	0809	-0.2	-0.1
	1352	4.8	1.5		1358	4.6	1.4
	2025	-0.2	-0.1		2038	0.2	0.1
2	0211	4.9	1.5	17	0217	4.5	1.4
W	0854	-0.5	-0.2	Th	0854	-0.2	-0.1
	1450	5.1	1.6		1444	4.9	1.5
	2120	-0.4	-0.1		2128	0.1	0.0
3	0308	4.9	1.5	18	0304	4.4	1.3
Th	0944	-0.5	-0.2	F	0939	-0.2	-0.1
	1541	5.3	1.6		1528	5.1	1.6
	2213	-0.5	-0.2		2216	0.0	0.0
4	0401	4.8	1.5	19	0349	4.4	1.3
F	1032	-0.5	-0.2	Sa	1022	-0.2	-0.1
	1629	5.5	1.7		1609	5.3	1.6
	2304	-0.6	-0.2		2302	-0.1	0.0
5	0450	4.6	1.4	20	0431	4.3	1.3
Sa	1119	-0.4	-0.1	Su	1104	-0.1	0.0
	1715	5.6	1.7		1650	5.4	1.6
	2353	-0.6	-0.2		2347	-0.1	0.0
6	0536	4.5	1.4	21	0512	4.2	1.3
Su	1205	-0.3	-0.1	M	1146	-0.1	0.0
	1800	5.6	1.7		1730	5.5	1.7
7	0042	-0.5	-0.2	22	0032	-0.1	0.0
M	0621	4.3	1.3	Tu	0551	4.2	1.3
	1251	-0.1	0.0		1228	0.0	0.0
	1843	5.5	1.7		1809	5.6	1.7
8	0129	-0.4	-0.1	23	0118	-0.1	0.0
Tu	0706	4.2	1.3	W	0636	4.2	1.3
	1336	0.1	0.0		1314	0.0	0.0
	1927	5.4	1.6		1854	5.6	1.7
9	0218	-0.3	-0.1	24	0207	-0.1	0.0
W	0751	4.0	1.2	Th	0723	4.2	1.3
	1424	0.3	0.1		1405	0.1	0.0
	2013	5.2	1.6		1944	5.5	1.7
10	0305	-0.1	0.0	25	0258	-0.1	0.0
Th	0837	3.9	1.2	F	0820	4.2	1.3
	1515	0.4	0.1		1501	0.2	0.1
	2101	5.1	1.6		2037	5.3	1.6
11	0356	0.0	0.0	26	0351	-0.1	0.0
F	0929	3.9	1.2	Sa	0920	4.2	1.3
	1609	0.5	0.2		1602	0.2	0.1
	2151	4.9	1.5		2138	5.1	1.6
12	0446	0.0	0.0	27	0447	-0.1	0.0
Sa	1023	3.9	1.2	Su	1025	4.3	1.3
	1702	0.6	0.2		1704	0.2	0.1
	2244	4.8	1.5		2241	4.9	1.5
13	0538	0.0	0.0	28	0544	-0.2	-0.1
Su	1118	4.0	1.2	M	1130	4.5	1.4
	1757	0.5	0.2		1806	0.1	0.0
	2339	4.7	1.4		2347	4.7	1.4
14	0630	-0.1	0.0	29	0640	-0.3	-0.1
M	1214	4.2	1.3	Tu	1233	4.7	1.4
	1853	0.4	0.1		1908	0.0	0.0
15	0034	4.6	1.4	30	0049	4.6	1.4
Tu	0719	-0.1	0.0	W	0734	-0.4	-0.1
	1308	4.4	1.3		1332	5.0	1.5
	1947	0.3	0.1		2006	-0.2	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0151	4.5	1.4	16	0136	4.1	1.2
Th	0827	-0.4	-0.1	F	0817	-0.2	-0.1
	1428	5.3	1.6		1409	5.0	1.5
	2102	-0.4	-0.1		2059	0.1	0.0
2	0247	4.4	1.3	17	0228	4.1	1.2
F	0919	-0.5	-0.2	Sa	0904	-0.2	-0.1
	1520	5.5	1.7		1456	5.2	1.6
	2155	-0.5	-0.2		2149	0.0	0.0
3	0340	4.3	1.3	18	0317	4.0	1.2
Sa	1008	-0.4	-0.1	Su	0949	-0.2	-0.1
	1608	5.6	1.7		1541	5.4	1.6
	2245	-0.6	-0.2		2237	-0.2	-0.1
4	0430	4.2	1.3	19	0405	4.1	1.2
Su	1054	-0.3	-0.1	M	1035	-0.2	-0.1
	1654	5.6	1.7		1624	5.6	1.7
	2334	-0.6	-0.2		2324	-0.3	-0.1
5	0517	4.1	1.2	20	0448	4.1	1.2
M	1140	-0.2	-0.1	Tu	1121	-0.2	-0.1
	1736	5.6	1.7		1709	5.7	1.7
6	0020	-0.6	-0.2	21	0011	-0.3	-0.1
Tu	0559	4.0	1.2	W	0535	4.1	1.2
	1226	0.0	0.0		1207	-0.2	-0.1
	1819	5.5	1.7		1753	5.7	1.7
7	0104	-0.5	-0.2	22	0057	-0.4	-0.1
W	0643	4.0	1.2	Th	0624	4.2	1.3
	1311	0.1	0.0		1255	-0.1	0.0
	1859	5.3	1.6		1839	5.7	1.7
8	0150	-0.4	-0.1	23	0145	-0.4	-0.1
Th	0725	3.9	1.2	F	0715	4.3	1.3
	1357	0.3	0.1		1347	-0.1	0.0
	1941	5.2	1.6		1928	5.5	1.7
9	0236	-0.3	-0.1	24	0234	-0.4	-0.1
F	0808	3.9	1.2	Sa	0807	4.4	1.3
	1445	0.4	0.1		1444	0.0	0.0
	2024	5.0	1.5		2021	5.3	1.6
10	0323	-0.2	-0.1	25	0327	-0.4	-0.1
Sa	0855	4.0	1.2	Su	0906	4.4	1.3
	1536	0.5	0.2		1543	0.1	0.0
	2111	4.9	1.5		2117	5.0	1.5
11	0410	-0.1	0.0	26	0422	-0.4	-0.1
Su	0945	4.0	1.2	M	1006	4.6	1.4
	1629	0.6	0.2		1644	0.1	0.0
	2200	4.7	1.4		2219	4.7	1.4
12	0500	-0.1	0.0	27	0516	-0.4	-0.1
M	1039	4.1	1.2	Tu	1109	4.7	1.4
	1724	0.6	0.2		1746	0.1	0.0
	2253	4.5	1.4		2324	4.5	1.4
13	0551	-0.1	0.0	28	0612	-0.4	-0.1
Tu	1133	4.3	1.3	W	1210	4.9	1.5
	1819	0.5	0.2		1847	0.0	0.0
	2348	4.3	1.3				
14	0641	-0.1	0.0	29	0027	4.2	1.3
W	1226	4.5	1.4	Th	0706	-0.4	-0.1
	1914	0.4	0.1		1309	5.1	1.6
					1946	-0.2	-0.1
15	0044	4.2	1.3	30	0129	4.1	1.2
Th	0730	-0.1	0.0	F	0801	-0.3	-0.1
	1319	4.7	1.4		1405	5.3	1.6
	2009	0.3	0.1		2041	-0.4	-0.1
				31	0227	4.0	1.2
				Sa	0852	-0.3	-0.1
					1457	5.4	1.6
					2134	-0.5	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water during lowest river stages which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0249	-1.0	-0.3
	0900	5.7	1.7
	1537	-1.3	-0.4
	2136	4.6	1.4
2 Su	0341	-0.9	-0.3
	0955	5.5	1.7
	1626	-1.2	-0.4
	2233	4.5	1.4
3 M	0435	-0.7	-0.2
	1050	5.1	1.6
	1717	-1.0	-0.3
	2330	4.4	1.3
4 Tu	0532	-0.4	-0.1
	1146	4.8	1.5
	1812	-0.7	-0.2
5 W	0026	4.4	1.3
	0633	-0.1	0.0
	1239	4.4	1.3
	1910	-0.5	-0.2
6 Th	0121	4.3	1.3
	0739	0.0	0.0
	1336	4.1	1.2
	2006	-0.3	-0.1
7 F	0218	4.3	1.3
	0840	0.1	0.0
	1433	3.8	1.2
	2101	-0.2	-0.1
8 Sa	0315	4.3	1.3
	0937	0.1	0.0
	1533	3.6	1.1
	2152	-0.2	-0.1
9 Su	0411	4.4	1.3
	1030	0.0	0.0
	1633	3.6	1.1
	2241	-0.2	-0.1
10 M	0502	4.5	1.4
	1120	-0.1	0.0
	1724	3.6	1.1
	2326	-0.2	-0.1
11 Tu	0548	4.7	1.4
	1208	-0.2	-0.1
	1808	3.7	1.1
12 W	0011	-0.2	-0.1
	0629	4.8	1.5
	1254	-0.3	-0.1
	1850	3.7	1.1
13 Th	0056	-0.2	-0.1
	0709	4.8	1.5
	1337	-0.4	-0.1
	1930	3.8	1.2
14 F	0139	-0.1	0.0
	0747	4.8	1.5
	1418	-0.4	-0.1
	2007	3.8	1.2
15 Sa	0219	-0.1	0.0
	0824	4.7	1.4
	1456	-0.4	-0.1
	2046	3.7	1.1
16 Su	0256	0.0	0.0
	0901	4.6	1.4
	1531	-0.4	-0.1
	2122	3.7	1.1
17 M	0331	0.1	0.0
	0936	4.4	1.3
	1605	-0.3	-0.1
	2200	3.7	1.1
18 Tu	0403	0.2	0.1
	1016	4.3	1.3
	1639	-0.2	-0.1
	2240	3.7	1.1
19 W	0440	0.3	0.1
	1055	4.1	1.2
	1711	-0.1	0.0
	2322	3.7	1.1
20 Th	0521	0.4	0.1
	1140	3.9	1.2
	1754	0.0	0.0
21 F	0009	3.9	1.2
	0618	0.4	0.1
	1228	3.8	1.2
	1846	0.0	0.0
22 Sa	0102	4.0	1.2
	0732	0.4	0.1
	1324	3.7	1.1
	1949	0.0	0.0
23 Su	0202	4.2	1.3
	0845	0.3	0.1
	1430	3.6	1.1
	2052	-0.1	0.0
24 M	0308	4.4	1.3
	0949	0.0	0.0
	1540	3.7	1.1
	2151	-0.3	-0.1
25 Tu	0414	4.8	1.5
	1049	-0.3	-0.1
	1649	3.9	1.2
	2250	-0.6	-0.2
26 W	0518	5.1	1.6
	1147	-0.7	-0.2
	1750	4.2	1.3
	2350	-0.8	-0.2
27 Th	0613	5.5	1.7
	1245	-1.0	-0.3
	1845	4.5	1.4
28 F	0048	-1.0	-0.3
	0704	5.7	1.7
	1338	-1.3	-0.4
	1936	4.7	1.4
29 Sa	0143	-1.2	-0.4
	0755	5.8	1.8
	1428	-1.4	-0.4
	2026	4.9	1.5
30 Su	0237	-1.2	-0.4
	0845	5.7	1.7
	1518	-1.4	-0.4
	2118	4.9	1.5
31 M	0328	-1.1	-0.3
	0936	5.4	1.6
	1603	-1.3	-0.4
	2210	4.8	1.5

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0417	-0.9	-0.3
	1026	5.1	1.6
	1649	-1.1	-0.3
	2303	4.7	1.4
2 W	0508	-0.6	-0.2
	1117	4.7	1.4
	1738	-0.7	-0.2
	2354	4.6	1.4
3 Th	0602	-0.3	-0.1
	1207	4.3	1.3
	1830	-0.4	-0.1
4 F	0045	4.4	1.3
	0702	0.0	0.0
	1259	3.9	1.2
	1925	-0.1	0.0
5 Sa	0136	4.3	1.3
	0804	0.2	0.1
	1354	3.6	1.1
	2022	0.1	0.0
6 Su	0231	4.1	1.2
	0903	0.3	0.1
	1452	3.3	1.0
	2116	0.2	0.1
7 M	0330	4.1	1.2
	0959	0.2	0.1
	1555	3.3	1.0
	2208	0.2	0.1
8 Tu	0427	4.2	1.3
	1051	0.1	0.0
	1655	3.4	1.0
	2259	0.1	0.0
9 W	0520	4.4	1.3
	1140	0.0	0.0
	1745	3.5	1.1
	2347	0.1	0.0
10 Th	0605	4.6	1.4
	1227	-0.2	-0.1
	1829	3.7	1.1
11 F	0034	0.0	0.0
	0646	4.7	1.4
	1312	-0.3	-0.1
	1909	3.9	1.2
12 Sa	0119	-0.1	0.0
	0725	4.8	1.5
	1352	-0.4	-0.1
	1946	4.0	1.2
13 Su	0200	-0.2	-0.1
	0802	4.8	1.5
	1430	-0.5	-0.2
	2023	4.1	1.2
14 M	0237	-0.2	-0.1
	0839	4.7	1.4
	1505	-0.4	-0.1
	2056	4.1	1.2
15 Tu	0312	-0.2	-0.1
	0914	4.6	1.4
	1537	-0.4	-0.1
	2133	4.1	1.2
16 W	0347	-0.1	0.0
	0951	4.4	1.3
	1608	-0.3	-0.1
	2209	4.2	1.3
17 Th	0421	0.0	0.0
	1029	4.2	1.3
	1640	-0.2	-0.1
	2251	4.2	1.3
18 F	0501	0.1	0.0
	1114	4.0	1.2
	1716	-0.1	0.0
	2337	4.3	1.3
19 Sa	0554	0.2	0.1
	1202	3.8	1.2
	1804	0.0	0.0
20 Su	0028	4.3	1.3
	0702	0.3	0.1
	1257	3.7	1.1
	1910	0.1	0.0
21 M	0129	4.4	1.3
	0819	0.3	0.1
	1405	3.6	1.1
	2024	0.1	0.0
22 Tu	0239	4.5	1.4
	0929	0.1	0.0
	1521	3.6	1.1
	2133	-0.1	0.0
23 W	0353	4.7	1.4
	1032	-0.3	-0.1
	1634	3.9	1.2
	2236	-0.3	-0.1
24 Th	0500	5.0	1.5
	1131	-0.6	-0.2
	1736	4.3	1.3
	2337	-0.6	-0.2
25 F	0557	5.4	1.6
	1226	-0.9	-0.3
	1829	4.7	1.4
26 Sa	0035	-0.9	-0.3
	0651	5.6	1.7
	1318	-1.2	-0.4
	1920	5.0	1.5
27 Su	0130	-1.1	-0.3
	0740	5.7	1.7
	1407	-1.3	-0.4
	2007	5.2	1.6
28 M	0221	-1.2	-0.4
	0827	5.6	1.7
	1453	-1.3	-0.4
	2056	5.3	1.6

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0310	-1.1	-0.3
	0914	5.3	1.6
	1536	-1.2	-0.4
	2143	5.2	1.6
2 W	0356	-0.9	-0.3
	1000	5.0	1.5
	1619	-0.9	-0.3
	2229	5.0	1.5
3 Th	0442	-0.6	-0.2
	1047	4.6	1.4
	1701	-0.5	-0.2
	2317	4.8	1.5
4 F	0529	-0.2	-0.1
	1135	4.2	1.3
	1746	-0.1	0.0
5 Sa	0006	4.5	1.4
	0623	0.1	0.0
	1223	3.8	1.2
	1838	0.3	0.1
6 Su	0055	4.3	1.3
	0722	0.4	0.1
	1315	3.5	1.1
	1937	0.5	0.2
7 M	0148	4.1	1.2
	0824	0.5	0.2
	1411	3.3	1.0
	2038	0.6	0.2
8 Tu	0247	4.0	1.2
	0923	0.5	0.2
	1516	3.2	1.0
	2139	0.6	0.2
9 W	0348	4.0	1.2
	1016	0.4	0.1
	1622	3.4	1.0
	2230	0.5	0.2
10 Th	0446	4.2	1.3
	1107	0.2	0.1
	1716	3.6	1.1
	2320	0.3	0.1
11 F	0536	4.4	1.3
	1155	0.0	0.0
	1803	3.9	1.2
12 Sa	0008	0.1	0.0
	0621	4.6	1.4
	1238	-0.2	-0.1
	1841	4.2	1.3
13 Su	0054	0.0	0.0
	0659	4.8	1.5
	1320	-0.3	-0.1
	1919	4.4	1.3
14 M	0135	-0.2	-0.1
	0738	4.8	1.5
	1358	-0.4	-0.1
	1954	4.6	1.4
15 Tu	0214	-0.3	-0.1
	0813	4.8	1.5
	1433	-0.4	-0.1
	2027	4.7	1.4
16 W	0252	-0.3	-0.1
	0849	4.7	1.4
	1505	-0.4	-0.1
	2104	4.7	1.4
17 Th	0328	-0.3	-0.1
	0927	4.5	1.4
	1539	-0.3	-0.1
	2141	4.8	1.5
18 F	0407	-0.2	-0.1
	1007	4.3	1.3
	1612	-0.2	-0.1
	2224	4.8	1.5
19 Sa	0448	-0.1	0.0
	1055	4.1	1.2
	1650	0.0	0.0
	2314	4.7	1.4
20 Su	0540	0.1	0.0
	1146	3.9	1.2
	1741	0.2	0.1
21 M	0007	4.6	1.4
	0647	0.3	0.1
	1246	3.7	1.1
	1849	0.4	0.1
22 Tu	0111	4.6	1.4
	0804	0.3	0.1
	1354	3.7	1.1
	2009	0.4	0.1
23 W	0222	4.6	1.4
	0913	0.1	0.0
	1509	3.8	1.2
	2122	0.2	0.1
24 Th	0335	4.7	1.4
	1014	-0.2	-0.1
	1620	4.1	1.2
	2227	-0.1	0.0
25 F	0444	4.9	1.5
	1112	-0.5	-0.2
	1721	4.6	1.4
	2326	-0.4	-0.1
26 Sa	0543	5.2	1.6
	1205	-0.8	-0.2
	1814	5.0	1.5
27 Su	0022	-0.7	-0.2
	0633	5.4	1.6
	1254	-0.9	-0.3
	1902	5.4	1.6
28 M	0114	-0.9	-0.3
	0721	5.4	1.6
	1341	-1.0	-0.3
	1945	5.6	1.7
29 Tu	0204	-1.0	-0.3
	0807	5.3	1.6
	1426	-1.0	-0.3
	2030	5.6	1.7
30 W	0249	-1.0	-0.3
	0849	5.1	1.6
	1508	-0.8	-0.2
	2113	5.5	1.7
31 Th	0334	-0.8	-0.2
	0933	4.8	1.5
	1547	-0.5	-0.2
	2157	5.2	1.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0416	-0.5	-0.2	16	0352	-0.4	-0.1
F	1016	4.4	1.3	Sa	0951	4.4	1.3
	1626	-0.2	-0.1		1552	-0.1	0.0
	2240	4.9	1.5		2205	5.2	1.6
2	0458	-0.1	0.0	17	0439	-0.2	-0.1
Sa	1102	4.1	1.2	Su	1043	4.2	1.3
	1707	0.2	0.1		1635	0.1	0.0
	2327	4.6	1.4		2258	5.1	1.6
3	0546	0.2	0.1	18	0532	0.0	0.0
Su	1149	3.8	1.2	M	1141	4.0	1.2
	1753	0.6	0.2		1730	0.3	0.1
					2356	4.9	1.5
4	0012	4.4	1.3	19	0638	0.2	0.1
M	0641	0.5	0.2	Tu	1243	3.9	1.2
	1239	3.5	1.1		1843	0.5	0.2
	1851	0.9	0.3				
5	0104	4.1	1.2	20	0100	4.8	1.5
Tu	0742	0.7	0.2	W	0750	0.2	0.1
	1336	3.4	1.0		1349	4.0	1.2
	1958	1.0	0.3		2002	0.5	0.2
6	0201	4.0	1.2	21	0209	4.7	1.4
W	0844	0.7	0.2	Th	0857	0.0	0.0
	1436	3.4	1.0		1458	4.2	1.3
	2103	1.0	0.3		2113	0.3	0.1
7	0303	4.0	1.2	22	0320	4.7	1.4
Th	0940	0.5	0.2	F	0956	-0.2	-0.1
	1542	3.5	1.1		1606	4.5	1.4
	2158	0.8	0.2		2214	0.0	0.0
8	0404	4.1	1.2	23	0426	4.8	1.5
F	1028	0.3	0.1	Sa	1049	-0.4	-0.1
	1641	3.8	1.2		1705	4.9	1.5
	2249	0.6	0.2		2312	-0.3	-0.1
9	0459	4.3	1.3	24	0523	5.0	1.5
Sa	1115	0.1	0.0	Su	1140	-0.6	-0.2
	1729	4.2	1.3		1755	5.3	1.6
	2339	0.3	0.1				
10	0548	4.6	1.4	25	0005	-0.5	-0.2
Su	1158	0.0	0.0	M	0614	5.1	1.6
	1811	4.5	1.4		1227	-0.7	-0.2
					1840	5.6	1.7
11	0024	0.0	0.0	26	0056	-0.7	-0.2
M	0629	4.7	1.4	Tu	0700	5.1	1.6
	1240	-0.2	-0.1		1314	-0.7	-0.2
	1847	4.8	1.5		1922	5.7	1.7
12	0106	-0.2	-0.1	27	0143	-0.7	-0.2
Tu	0706	4.8	1.5	W	0743	5.0	1.5
	1320	-0.3	-0.1		1357	-0.6	-0.2
	1924	5.1	1.6		2004	5.7	1.7
13	0149	-0.3	-0.1	28	0229	-0.7	-0.2
W	0747	4.8	1.5	Th	0824	4.8	1.5
	1359	-0.3	-0.1		1439	-0.4	-0.1
	2001	5.2	1.6		2043	5.6	1.7
14	0230	-0.4	-0.1	29	0311	-0.5	-0.2
Th	0824	4.8	1.5	F	0904	4.5	1.4
	1435	-0.3	-0.1		1515	-0.1	0.0
	2038	5.3	1.6		2125	5.3	1.6
15	0312	-0.4	-0.1	30	0351	-0.3	-0.1
F	0906	4.6	1.4	Sa	0947	4.2	1.3
	1512	-0.3	-0.1		1555	0.2	0.1
	2118	5.3	1.6		2205	5.0	1.5

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0432	0.0	0.0	16	0431	-0.4	-0.1
Su	1032	4.0	1.2	M	1034	4.3	1.3
	1632	0.5	0.2		1629	0.1	0.0
	2248	4.7	1.4		2248	5.4	1.6
2	0515	0.3	0.1	17	0525	-0.2	-0.1
M	1119	3.7	1.1	Tu	1135	4.3	1.3
	1714	0.8	0.2		1727	0.3	0.1
	2335	4.5	1.4		2348	5.1	1.6
3	0604	0.5	0.2	18	0626	-0.1	0.0
Tu	1209	3.6	1.1	W	1236	4.3	1.3
	1807	1.1	0.3		1838	0.5	0.2
4	0025	4.2	1.3	19	0049	4.9	1.5
W	0700	0.7	0.2	Th	0733	0.0	0.0
	1300	3.5	1.1		1339	4.4	1.3
	1915	1.2	0.4		1951	0.5	0.2
5	0117	4.1	1.2	20	0154	4.7	1.4
Th	0801	0.7	0.2	F	0836	-0.1	0.0
	1357	3.6	1.1		1442	4.5	1.4
	2022	1.2	0.4		2059	0.4	0.1
6	0214	4.0	1.2	21	0258	4.6	1.4
F	0856	0.6	0.2	Sa	0932	-0.2	-0.1
	1459	3.8	1.2		1545	4.8	1.5
	2121	1.0	0.3		2159	0.1	0.0
7	0316	4.1	1.2	22	0404	4.6	1.4
Sa	0945	0.4	0.1	Su	1022	-0.3	-0.1
	1554	4.0	1.2		1641	5.1	1.6
	2214	0.7	0.2		2254	-0.1	0.0
8	0414	4.2	1.3	23	0502	4.7	1.4
Su	1031	0.2	0.1	M	1112	-0.3	-0.1
	1646	4.4	1.3		1732	5.4	1.6
	2302	0.4	0.1		2345	-0.3	-0.1
9	0507	4.4	1.3	24	0552	4.7	1.4
M	1115	0.0	0.0	Tu	1200	-0.3	-0.1
	1731	4.8	1.5		1817	5.6	1.7
	2350	0.1	0.0				
10	0552	4.6	1.4	25	0036	-0.4	-0.1
Tu	1157	-0.1	0.0	W	0637	4.7	1.4
	1813	5.2	1.6		1245	-0.3	-0.1
					1858	5.7	1.7
11	0037	-0.1	0.0	26	0122	-0.4	-0.1
W	0637	4.7	1.4	Th	0718	4.6	1.4
	1242	-0.2	-0.1		1327	-0.2	-0.1
	1853	5.5	1.7		1937	5.7	1.7
12	0122	-0.4	-0.1	27	0208	-0.4	-0.1
Th	0718	4.8	1.5	F	0800	4.5	1.4
	1324	-0.3	-0.1		1409	0.0	0.0
	1933	5.7	1.7		2017	5.5	1.7
13	0208	-0.5	-0.2	28	0249	-0.3	-0.1
F	0801	4.7	1.4	Sa	0840	4.3	1.3
	1408	-0.3	-0.1		1449	0.2	0.1
	2015	5.8	1.8		2055	5.3	1.6
14	0255	-0.6	-0.2	29	0328	-0.1	0.0
Sa	0847	4.6	1.4	Su	0921	4.1	1.2
	1452	-0.2	-0.1		1527	0.4	0.1
	2101	5.7	1.7		2136	5.0	1.5
15	0341	-0.5	-0.2	30	0408	0.1	0.0
Su	0938	4.5	1.4	M	1003	3.9	1.2
	1538	-0.1	0.0		1605	0.7	0.2
	2152	5.6	1.7		2218	4.8	1.5
				31	0448	0.3	0.1
				Tu	1050	3.8	1.2
					1644	0.9	0.3
					2301	4.6	1.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0530	0.5	0.2	16	0609	-0.3	-0.1
W	1137	3.7	1.1	Th	1222	4.7	1.4
	1730	1.1	0.3		1825	0.3	0.1
	2349	4.4	1.3				
2	0618	0.6	0.2	17	0034	5.0	1.5
Th	1226	3.7	1.1	F	0708	-0.2	-0.1
	1828	1.3	0.4		1320	4.8	1.5
					1934	0.4	0.1
3	0034	4.2	1.3	18	0133	4.8	1.5
F	0712	0.6	0.2	Sa	0809	-0.1	0.0
	1317	3.8	1.2		1420	4.9	1.5
	1934	1.3	0.4		2039	0.4	0.1
4	0128	4.1	1.2	19	0234	4.5	1.4
Sa	0807	0.6	0.2	Su	0903	-0.1	0.0
	1409	4.0	1.2		1518	5.0	1.5
	2039	1.1	0.3		2138	0.2	0.1
5	0225	4.1	1.2	20	0334	4.4	1.3
Su	0857	0.5	0.2	M	0956	-0.1	0.0
	1506	4.3	1.3		1614	5.2	1.6
	2135	0.8	0.2		2233	0.1	0.0
6	0324	4.1	1.2	21	0435	4.3	1.3
M	0945	0.3	0.1	Tu	1043	-0.1	0.0
	1601	4.6	1.4		1707	5.3	1.6
	2225	0.5	0.2		2323	0.0	0.0
7	0422	4.2	1.3	22	0528	4.3	1.3
Tu	1030	0.1	0.0	W	1129	0.0	0.0
	1652	5.0	1.5		1753	5.5	1.7
	2315	0.2	0.1				
8	0515	4.4	1.3	23	0013	0.0	0.0
W	1118	-0.1	0.0	Th	0615	4.3	1.3
	1739	5.4	1.6		1216	0.1	0.0
					1835	5.5	1.7
9	0006	-0.1	0.0	24	0100	-0.1	0.0
Th	0606	4.6	1.4	F	0658	4.3	1.3
	1206	-0.2	-0.1		1302	0.2	0.1
	1825	5.7	1.7		1915	5.5	1.7
10	0057	-0.4	-0.1	25	0146	-0.1	0.0
F	0653	4.7	1.4	Sa	0738	4.2	1.3
	1253	-0.3	-0.1		1347	0.3	0.1
	1911	6.0	1.8		1954	5.4	1.6
11	0149	-0.6	-0.2	26	0228	-0.1	0.0
Sa	0743	4.7	1.4	Su	0818	4.2	1.3
	1344	-0.3	-0.1		1426	0.4	0.1
	1957	6.1	1.9		2033	5.3	1.6
12	0238	-0.7	-0.2	27	0306	0.0	0.0
Su	0832	4.7	1.4	M	0858	4.1	1.2
	1436	-0.3	-0.1		1506	0.5	0.2
	2046	6.0	1.8		2110	5.1	1.6
13	0327	-0.7	-0.2	28	0344	0.1	0.0
M	0925	4.7	1.4	Tu	0939	4.0	1.2
	1528	-0.2	-0.1		1543	0.7	0.2
	2139	5.8	1.8		2149	4.9	1.5
14	0419	-0.6	-0.2	29	0421	0.2	0.1
Tu	1024	4.6	1.4	W	1022	3.9	1.2
	1621	0.0	0.0		1619	0.9	0.3
	2237	5.6	1.7		2231	4.7	1.4
15	0511	-0.5	-0.2	30	0458	0.3	0.1
W	1124	4.6	1.4	Th	1104	3.9	1.2
	1719	0.2	0.1		1658	1.0	0.3
	2335	5.3	1.6		2313	4.5	1.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0537	0.5	0.2
	1149	4.0	1.2
	1746	1.1	0.3
	2356	4.3	1.3
2 Sa	0620	0.5	0.2
	1234	4.1	1.2
	1846	1.2	0.4
3 Su	0044	4.2	1.3
	0713	0.6	0.2
	1322	4.3	1.3
	1951	1.1	0.3
4 M	0136	4.1	1.2
	0803	0.5	0.2
	1415	4.5	1.4
	2052	0.9	0.3
5 Tu	0236	4.0	1.2
	0859	0.4	0.1
	1513	4.7	1.4
	2150	0.6	0.2
6 W	0341	4.1	1.2
	0950	0.2	0.1
	1613	5.1	1.6
	2243	0.3	0.1
7 Th	0443	4.2	1.3
	1043	0.0	0.0
	1709	5.5	1.7
	2339	0.0	0.0
8 F	0539	4.4	1.3
	1136	-0.1	0.0
	1801	5.8	1.8
9 Sa	0035	-0.3	-0.1
	0633	4.7	1.4
	1232	-0.3	-0.1
	1851	6.1	1.9
10 Su	0129	-0.6	-0.2
	0725	4.8	1.5
	1327	-0.4	-0.1
	1941	6.2	1.9
11 M	0222	-0.8	-0.2
	0817	5.0	1.5
	1423	-0.4	-0.1
	2033	6.2	1.9
12 Tu	0312	-0.9	-0.3
	0910	5.0	1.5
	1517	-0.4	-0.1
	2126	6.0	1.8
13 W	0400	-0.8	-0.2
	1008	5.1	1.6
	1610	-0.3	-0.1
	2221	5.7	1.7
14 Th	0450	-0.7	-0.2
	1104	5.1	1.6
	1704	-0.1	0.0
	2317	5.4	1.6
15 F	0543	-0.5	-0.2
	1159	5.1	1.6
	1804	0.2	0.1
16 Sa	0012	5.0	1.5
	0639	-0.2	-0.1
	1255	5.1	1.6
	1908	0.3	0.1
17 Su	0108	4.7	1.4
	0735	0.0	0.0
	1348	5.0	1.5
	2013	0.4	0.1
18 M	0203	4.4	1.3
	0832	0.1	0.0
	1445	5.0	1.5
	2113	0.4	0.1
19 Tu	0305	4.1	1.2
	0925	0.2	0.1
	1542	5.0	1.5
	2208	0.4	0.1
20 W	0405	4.0	1.2
	1017	0.3	0.1
	1638	5.1	1.6
	2300	0.3	0.1
21 Th	0502	4.0	1.2
	1105	0.3	0.1
	1728	5.2	1.6
	2350	0.2	0.1
22 F	0551	4.1	1.2
	1151	0.4	0.1
	1813	5.3	1.6
23 Sa	0038	0.2	0.1
	0637	4.2	1.3
	1237	0.4	0.1
	1853	5.4	1.6
24 Su	0122	0.1	0.0
	0718	4.2	1.3
	1323	0.4	0.1
	1932	5.3	1.6
25 M	0205	0.0	0.0
	0756	4.3	1.3
	1405	0.4	0.1
	2010	5.3	1.6
26 Tu	0242	0.0	0.0
	0835	4.3	1.3
	1446	0.5	0.2
	2046	5.1	1.6
27 W	0319	0.1	0.0
	0914	4.2	1.3
	1522	0.6	0.2
	2123	4.9	1.5
28 Th	0352	0.1	0.0
	0951	4.2	1.3
	1557	0.7	0.2
	2202	4.8	1.5
29 F	0424	0.3	0.1
	1029	4.3	1.3
	1632	0.8	0.2
	2239	4.6	1.4
30 Sa	0458	0.4	0.1
	1110	4.3	1.3
	1711	0.9	0.3
	2321	4.4	1.3
31 Su	0533	0.5	0.2
	1153	4.4	1.3
	1801	1.0	0.3

AUGUST

Day	Time h m	Height ft	Height m
1 M	0006	4.2	1.3
	0615	0.6	0.2
	1238	4.5	1.4
	1906	1.0	0.3
2 Tu	0057	4.1	1.2
	0713	0.6	0.2
	1331	4.7	1.4
	2016	0.9	0.3
3 W	0157	4.0	1.2
	0815	0.5	0.2
	1434	4.9	1.5
	2121	0.7	0.2
4 Th	0303	4.0	1.2
	0917	0.4	0.1
	1540	5.1	1.6
	2221	0.4	0.1
5 F	0417	4.1	1.2
	1017	0.2	0.1
	1644	5.5	1.7
	2318	0.0	0.0
6 Sa	0521	4.4	1.3
	1116	-0.1	0.0
	1744	5.8	1.8
7 Su	0014	-0.3	-0.1
	0616	4.8	1.5
	1216	-0.3	-0.1
	1837	6.1	1.9
8 M	0109	-0.6	-0.2
	0709	5.1	1.6
	1314	-0.5	-0.2
	1927	6.3	1.9
9 Tu	0202	-0.9	-0.3
	0800	5.3	1.6
	1409	-0.6	-0.2
	2017	6.2	1.9
10 W	0250	-1.0	-0.3
	0851	5.5	1.7
	1502	-0.6	-0.2
	2108	6.0	1.8
11 Th	0338	-0.9	-0.3
	0944	5.5	1.7
	1553	-0.5	-0.2
	2200	5.7	1.7
12 F	0425	-0.7	-0.2
	1037	5.5	1.7
	1644	-0.3	-0.1
	2253	5.3	1.6
13 Sa	0513	-0.5	-0.2
	1130	5.4	1.6
	1739	0.0	0.0
	2346	4.9	1.5
14 Su	0604	-0.1	0.0
	1223	5.2	1.6
	1839	0.4	0.1
15 M	0039	4.5	1.4
	0658	0.2	0.1
	1316	5.0	1.5
	1941	0.6	0.2
16 Tu	0133	4.2	1.3
	0757	0.5	0.2
	1411	4.9	1.5
	2044	0.7	0.2
17 W	0230	3.9	1.2
	0853	0.6	0.2
	1507	4.8	1.5
	2140	0.6	0.2
18 Th	0335	3.8	1.2
	0948	0.7	0.2
	1607	4.8	1.5
	2235	0.6	0.2
19 F	0435	3.8	1.2
	1040	0.6	0.2
	1702	5.0	1.5
	2323	0.4	0.1
20 Sa	0531	4.0	1.2
	1129	0.6	0.2
	1748	5.1	1.6
21 Su	0009	0.3	0.1
	0614	4.2	1.3
	1216	0.5	0.2
	1830	5.2	1.6
22 M	0054	0.1	0.0
	0656	4.4	1.3
	1301	0.4	0.1
	1909	5.3	1.6
23 Tu	0135	0.0	0.0
	0733	4.5	1.4
	1345	0.4	0.1
	1947	5.2	1.6
24 W	0213	0.0	0.0
	0809	4.6	1.4
	1423	0.4	0.1
	2022	5.2	1.6
25 Th	0249	0.0	0.0
	0845	4.6	1.4
	1459	0.4	0.1
	2056	5.0	1.5
26 F	0322	0.1	0.0
	0918	4.6	1.4
	1534	0.5	0.2
	2131	4.8	1.5
27 Sa	0351	0.2	0.1
	0954	4.6	1.4
	1608	0.6	0.2
	2208	4.6	1.4
28 Su	0419	0.3	0.1
	1032	4.7	1.4
	1645	0.7	0.2
	2250	4.4	1.3
29 M	0452	0.4	0.1
	1114	4.7	1.4
	1727	0.8	0.2
	2333	4.2	1.3
30 Tu	0531	0.5	0.2
	1204	4.8	1.5
	1832	0.9	0.3
31 W	0028	4.0	1.2
	0628	0.7	0.2
	1300	4.8	1.5
	1947	0.9	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0130	3.9	1.2
	0743	0.7	0.2
	1404	4.9	1.5
	2057	0.7	0.2
2 F	0242	3.9	1.2
	0858	0.6	0.2
	1515	5.1	1.6
	2201	0.4	0.1
3 Sa	0358	4.1	1.2
	1004	0.3	0.1
	1625	5.4	1.6
	2259	0.0	0.0
4 Su	0505	4.5	1.4
	1105	0.0	0.0
	1726	5.7	1.7
	2355	-0.4	-0.1
5 M	0601	5.0	1.5
	1203	-0.3	-0.1
	1821	6.0	1.8
6 Tu	0048	-0.7	-0.2
	0653	5.4	1.6
	1301	-0.6	-0.2
	1910	6.1	1.9
7 W	0139	-0.9	-0.3
	0743	5.7	1.7
	1354	-0.7	-0.2
	1959	6.1	1.9
8 Th	0226	-1.0	-0.3
	0829	5.8	1.8
	1444	-0.8	-0.2
	2046	5.9	1.8
9 F	0312	-0.9	-0.3
	0918	5.8	1.8
	1533	-0.6	-0.2
	2136	5.5	1.7
10 Sa	0355	-0.7	-0.2
	1007	5.7	1.7
	1621	-0.4	-0.1
	2225	5.1	1.6
11 Su	0440	-0.3	-0.1
	1057	5.5	1.7
	1711	0.0	0.0
	2317	4.7	1.4
12 M	0527	0.1	0.0
	1146	5.2	1.6
	1805	0.4	0.1
13 Tu	0007	4.3	1.3
	0618	0.5	0.2
	1239	4.9	1.5
	1905	0.7	0.2
14 W	0100	3.9	1.2
	0718	0.8	0.2
	1333	4.7	1.4
	2010	0.8	0.2
15 Th	0158	3.7	1.1
	0821	1.0	0.3
	1431	4.6	1.4
	2109	0.8	0.2
16 F	0301	3.7	1.1
	0919	1.0	0.3
	1529	4.5	1.4
	2204	0.7	0.2
17 Sa	0406	3.8	1.2
	1014	0.9	0.3
	1627	4.7	1.4
	2252	0.5	0.2
18 Su	0503	4.0	1.2
	1103	0.7	0.2
	1720	4.8	1.5
	2338	0.3	0.1
19 M	0547	4.3	1.3
	1150	0.5	0.2
	1804	5.0	1.5
20 Tu	0020	0.1	0.0
	0627	4.6	1.4
	1235	0.4	0.1
	1843	5.1	1.6
21 W	0101	0.0	0.0
	0705	4.8	1.5
	1318	0.2	0.1
	1920	5.2	1.6
22 Th	0139	-0.1	0.0
	0739	4.9	1.5
	1358	0.2	0.1
	1954	5.1	1.6
23 F	0216	-0.1	0.0
	0813	5.0	1.5
	1435	0.1	0.0
	2030	5.0	1.5
24 Sa	0248	0.0	0.0
	0846	5.0	1.5
	1511	0.2	0.1
	2104	4.8	1.5
25 Su	0320	0.1	0.0
	0921	5.0	1.5
	1548	0.3	0.1
	2143	4.5	1.4
26 M	0349	0.2	0.1
	0959	5.0	1.5
	1625	0.4	0.1
	2225	4.3	1.3
27 Tu	0421	0.3	0.1
	1045	5.0	1.5
	1711	0.6	0.2
	2314	4.1	1.2
28 W	0504	0.5	0.2
	1137	4.9	1.5
	1812	0.7	0.2
29 Th	0012	3.9	1.2
	0604	0.7	0.2
	1239	4.9	1.5
	1929	0.7	0.2
30 F	0119	3.8	1.2
	0727	0.8	0.2
	1345	4.8	1.5
	2041	0.5	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0233	3.9	1.2
	0845	0.6	0.2
	1458	4.9	1.5
	2145	0.2	0.1
2 Su	0346	4.2	1.3
	0954	0.3	0.1
	1609	5.1	1.6
	2241	-0.1	0.0
3 M	0451	4.7	1.4
	1054	-0.1	0.0
	1710	5.4	1.6
	2334	-0.5	-0.2
4 Tu	0547	5.2	1.6
	1150	-0.4	-0.1
	1804	5.7	1.7
5 W	0024	-0.7	-0.2
	0635	5.6	1.7
	1245	-0.7	-0.2
	1853	5.8	1.8
6 Th	0112	-0.9	-0.3
	0721	5.9	1.8
	1337	-0.8	-0.2
	1939	5.7	1.7
7 F	0159	-0.9	-0.3
	0806	6.0	1.8
	1426	-0.8	-0.2
	2025	5.5	1.7
8 Sa	0243	-0.8	-0.2
	0849	5.9	1.8
	1512	-0.7	-0.2
	2109	5.1	1.6
9 Su	0326	-0.5	-0.2
	0936	5.7	1.7
	1557	-0.4	-0.1
	2155	4.7	1.4
10 M	0407	-0.2	-0.1
	1023	5.4	1.6
	1642	-0.1	0.0
	2244	4.3	1.3
11 Tu	0448	0.2	0.1
	1111	5.1	1.6
	1733	0.3	0.1
	2335	4.0	1.2
12 W	0538	0.6	0.2
	1202	4.7	1.4
	1828	0.6	0.2
13 Th	0028	3.7	1.1
	0635	1.0	0.3
	1254	4.5	1.4
	1931	0.8	0.2
14 F	0124	3.6	1.1
	0742	1.1	0.3
	1349	4.3	1.3
	2031	0.8	0.2
15 Sa	0226	3.5	1.1
	0848	1.1	0.3
	1448	4.2	1.3
	2127	0.6	0.2

Day	Time h m	Height ft	Height m
16 Su	0327	3.7	1.1
	0945	1.0	0.3
	1548	4.3	1.3
	2215	0.4	0.1
17 M	0427	4.0	1.2
	1035	0.7	0.2
	1643	4.5	1.4
	2259	0.2	0.1
18 Tu	0513	4.3	1.3
	1120	0.5	0.2
	1728	4.7	1.4
	2342	0.0	0.0
19 W	0555	4.6	1.4
	1205	0.3	0.1
	1811	4.8	1.5
20 Th	0023	-0.1	0.0
	0632	4.9	1.5
	1248	0.1	0.0
	1850	4.9	1.5
21 F	0101	-0.2	-0.1
	0709	5.1	1.6
	1332	-0.1	0.0
	1926	4.9	1.5
22 Sa	0139	-0.2	-0.1
	0743	5.3	1.6
	1410	-0.2	-0.1
	2002	4.8	1.5
23 Su	0215	-0.2	-0.1
	0818	5.3	1.6
	1451	-0.2	-0.1
	2041	4.6	1.4
24 M	0251	-0.1	0.0
	0855	5.3	1.6
	1531	-0.1	0.0
	2123	4.4	1.3
25 Tu	0325	0.0	0.0
	0937	5.2	1.6
	1613	0.0	0.0
	2209	4.1	1.2
26 W	0405	0.2	0.1
	1026	5.1	1.6
	1701	0.2	0.1
	2305	3.9	1.2
27 Th	0453	0.4	0.1
	1122	4.9	1.5
	1804	0.3	0.1
28 F	0007	3.8	1.2
	0559	0.6	0.2
	1226	4.8	1.5
	1915	0.4	0.1
29 Sa	0115	3.9	1.2
	0719	0.7	0.2
	1332	4.7	1.4
	2024	0.2	0.1
30 Su	0222	4.0	1.2
	0838	0.5	0.2
	1443	4.7	1.4
	2126	0.0	0.0
31 M	0330	4.4	1.3
	0942	0.2	0.1
	1550	4.8	1.5
	2220	-0.3	-0.1

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0433	4.8	1.5
	1041	-0.2	-0.1
	1651	5.0	1.5
	2310	-0.6	-0.2
2 W	0526	5.3	1.6
	1136	-0.5	-0.2
	1747	5.1	1.6
3 Th	0000	-0.8	-0.2
	0614	5.6	1.7
	1229	-0.7	-0.2
	1833	5.2	1.6
4 F	0046	-0.8	-0.2
	0659	5.9	1.8
	1318	-0.8	-0.2
	1918	5.1	1.6
5 Sa	0133	-0.8	-0.2
	0741	5.9	1.8
	1405	-0.8	-0.2
	2001	4.9	1.5
6 Su	0216	-0.7	-0.2
	0823	5.8	1.8
	1451	-0.7	-0.2
	2044	4.6	1.4
7 M	0258	-0.4	-0.1
	0907	5.5	1.7
	1533	-0.4	-0.1
	2128	4.3	1.3
8 Tu	0338	-0.1	0.0
	0951	5.2	1.6
	1618	-0.2	-0.1
	2213	4.0	1.2
9 W	0419	0.3	0.1
	1037	4.9	1.5
	1701	0.1	0.0
	2301	3.7	1.1
10 Th	0501	0.6	0.2
	1124	4.5	1.4
	1751	0.4	0.1
	2356	3.5	1.1
11 F	0554	0.9	0.3
	1215	4.3	1.3
	1847	0.6	0.2
12 Sa	0047	3.4	1.0
	0658	1.1	0.3
	1305	4.1	1.2
	1947	0.6	0.2
13 Su	0144	3.5	1.1
	0805	1.1	0.3
	1401	4.0	1.2
	2043	0.5	0.2
14 M	0243	3.6	1.1
	0905	0.9	0.3
	1500	4.0	1.2
	2132	0.3	0.1
15 Tu	0339	3.8	1.2
	0958	0.7	0.2
	1557	4.1	1.2
	2217	0.1	0.0

Day	Time h m	Height ft	Height m
16 W	0431	4.2	1.3
	1046	0.4	0.1
	1649	4.2	1.3
	2300	-0.1	0.0
17 Th	0518	4.5	1.4
	1132	0.1	0.0
	1736	4.4	1.3
	2342	-0.2	-0.1
18 F	0558	4.9	1.5
	1217	-0.1	0.0
	1818	4.5	1.4
19 Sa	0022	-0.3	-0.1
	0637	5.2	1.6
	1303	-0.3	-0.1
	1858	4.5	1.4
20 Su	0104	-0.4	-0.1
	0716	5.4	1.6
	1349	-0.5	-0.2
	1939	4.5	1.4
21 M	0146	-0.4	-0.1
	0754	5.5	1.7
	1432	-0.5	-0.2
	2021	4.4	1.3
22 Tu	0228	-0.4	-0.1
	0836	5.5	1.7
	1517	-0.5	-0.2
	2107	4.2	1.3
23 W	0311	-0.3	-0.1
	0923	5.4	1.6
	1603	-0.4	-0.1
	2200	4.1	1.2
24 Th	0357	-0.1	0.0
	1016	5.2	1.6
	1653	-0.3	-0.1
	2258	4.0	1.2
25 F	0450	0.1	0.0
	1114	5.0	1.5
	1751	-0.2	-0.1
26 Sa	0001	3.9	1.2
	0554	0.3	0.1
	1215	4.7	1.4
	1857	-0.1	0.0
27 Su	0103	4.0	1.2
	0711	0.3	0.1
	1319	4.6	1.4
	2003	-0.2	-0.1
28 M	0206	4.2	1.3
	0824	0.2	0.1
	1424	4.5	1.4
	2102	-0.3	-0.1
29 Tu	0311	4.5	1.4
	0927	0.0	0.0
	1530	4.4	1.3
	2156	-0.5	-0.2
30 W	0410	4.8	1.5
	1025	-0.3	-0.1
	1630	4.5	1.4
	2247	-0.6	-0.2

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0505	5.1	1.6
	1120	-0.5	-0.2
	1726	4.5	1.4
	2334	-0.7	-0.2
2 F	0555	5.4	1.6
	1211	-0.7	-0.2
	1813	4.5	1.4
3 Sa	0022	-0.7	-0.2
	0638	5.6	1.7
	1259	-0.7	-0.2
	1858	4.5	1.4
4 Su	0108	-0.7	-0.2
	0721	5.6	1.7
	1348	-0.7	-0.2
	1940	4.3	1.3
5 M	0151	-0.5	-0.2
	0802	5.4	1.6
	1430	-0.7	-0.2
	2022	4.2	1.3
6 Tu	0233	-0.3	-0.1
	0842	5.2	1.6
	1512	-0.5	-0.2
	2103	3.9	1.2
7 W	0312	-0.1	0.0
	0922	4.9	1.5
	1554	-0.3	-0.1
	2147	3.7	1.1
8 Th	0352	0.2	0.1
	1005	4.7	1.4
	1634	-0.1	0.0
	2234	3.6	1.1
9 F	0431	0.4	0.1
	1050	4.4	1.3
	1717	0.1	0.0
	2322	3.5	1.1
10 Sa	0517	0.7	0.2
	1135	4.1	1.2
	1802	0.2	0.1
11 Su	0009	3.4	1.0
	0610	0.8	0.2
	1223	4.0	1.2
	1855	0.3	0.1
12 M	0100	3.5	1.1
	0716	0.9	0.3
	1313	3.8	1.2
	1951	0.3	0.1
13 Tu	0151	3.6	1.1
	0819	0.8	0.2
	1406	3.7	1.1
	2043	0.2	0.1
14 W	0246	3.7	1.1
	0916	0.6	0.2
	1505	3.7	1.1
	2130	0.1	0.0
15 Th	0342	4.0	1.2
	1007	0.4	0.1
	1601	3.8	1.2
	2215	-0.1	0.0

Day	Time h m	Height ft	Height m
16 F	0433	4.4	1.3
	1057	0.1	0.0
	1657	3.9	1.2
	2300	-0.3	-0.1
17 Sa	0524	4.8	1.5
	1147	-0.2	-0.1
	1747	4.1	1.2
	2347	-0.4	-0.1
18 Su	0608	5.1	1.6
	1237	-0.5	-0.2
	1833	4.2	1.3
19 M	0033	-0.6	-0.2
	0651	5.4	1.6
	1326	-0.7	-0.2
	1920	4.3	1.3
20 Tu	0122	-0.7	-0.2
	0736	5.5	1.7
	1415	-0.9	-0.3
	2006	4.3	1.3
21 W	0211	-0.7	-0.2
	0822	5.6	1.7
	1503	-0.9	-0.3
	2056	4.3	1.3
22 Th	0259	-0.7	-0.2
	0912	5.4	1.6
	1551	-0.9	-0.3
	2151	4.2	1.3
23 F	0351	-0.6	-0.2
	1006	5.3	1.6
	1640	-0.8	-0.2
	2248	4.2	1.3
24 Sa	0445	-0.4	-0.1
	1103	5.0	1.5
	1733	-0.7	-0.2
	2346	4.2	1.3
25 Su	0546	-0.2	-0.1
	1201	4.7	1.4
	1833	-0.5	-0.2
26 M	0045	4.3	1.3
	0654	0.0	0.0
	1300	4.4	1.3
	1934	-0.5	-0.2
27 Tu	0144	4.4	1.3
	0803	0.0	0.0
	1400	4.2	1.3
	2035	-0.4	-0.1
28 W	0244	4.5	1.4
	0908	-0.1	0.0
	1503	4.0	1.2
	2129	-0.5	-0.2
29 Th	0345	4.7	1.4
	1006	-0.3	-0.1
	1606	3.9	1.2
	2220	-0.5	-0.2
30 F	0443	4.8	1.5
	1059	-0.4	-0.1
	1705	3.9	1.2
	2310	-0.5	-0.2
31 Sa	0534	5.0	1.5
	1152	-0.5	-0.2
	1755	4.0	1.2
	2357	-0.5	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0310	-1.0	-0.3	16	0321	-0.2	-0.1
Sa	0946	5.4	1.6	Su	0953	4.3	1.3
	1610	-0.9	-0.3		1611	-0.2	-0.1
	2215	3.8	1.2		2212	3.2	1.0
2	0405	-0.8	-0.2	17	0359	-0.2	-0.1
Su	1040	5.2	1.6	M	1028	4.2	1.3
	1705	-0.8	-0.2		1649	-0.2	-0.1
	2311	3.7	1.1		2251	3.2	1.0
3	0502	-0.6	-0.2	18	0441	-0.1	0.0
M	1136	4.9	1.5	Tu	1107	4.0	1.2
	1758	-0.7	-0.2		1724	-0.1	0.0
					2331	3.2	1.0
4	0011	3.7	1.1	19	0524	0.0	0.0
Tu	0603	-0.4	-0.1	W	1145	3.8	1.2
	1235	4.5	1.4		1806	-0.1	0.0
	1854	-0.5	-0.2				
5	0112	3.7	1.1	20	0016	3.3	1.0
W	0707	-0.1	0.0	Th	0614	0.1	0.0
	1335	4.1	1.2		1232	3.6	1.1
	1950	-0.4	-0.1		1846	-0.1	0.0
6	0217	3.7	1.1	21	0104	3.4	1.0
Th	0813	0.1	0.0	F	0709	0.2	0.1
	1436	3.7	1.1		1320	3.4	1.0
	2045	-0.2	-0.1		1933	-0.1	0.0
7	0318	3.8	1.2	22	0200	3.6	1.1
F	0922	0.2	0.1	Sa	0808	0.2	0.1
	1536	3.5	1.1		1414	3.2	1.0
	2141	-0.1	0.0		2024	-0.1	0.0
8	0417	3.9	1.2	23	0258	3.8	1.2
Sa	1027	0.2	0.1	Su	0912	0.1	0.0
	1635	3.3	1.0		1515	3.1	0.9
	2232	-0.1	0.0		2120	-0.2	-0.1
9	0511	4.0	1.2	24	0358	4.1	1.2
Su	1127	0.1	0.0	M	1019	0.0	0.0
	1731	3.2	1.0		1621	3.1	0.9
	2320	-0.1	0.0		2219	-0.4	-0.1
10	0600	4.2	1.3	25	0501	4.4	1.3
M	1218	0.1	0.0	Tu	1122	-0.2	-0.1
	1818	3.1	0.9		1724	3.2	1.0
					2317	-0.6	-0.2
11	0004	-0.1	0.0	26	0558	4.7	1.4
Tu	0645	4.2	1.3	W	1222	-0.5	-0.2
	1304	0.0	0.0		1824	3.4	1.0
	1903	3.1	0.9				
12	0046	-0.1	0.0	27	0015	-0.8	-0.2
W	0726	4.3	1.3	Th	0655	5.0	1.5
	1345	-0.1	0.0		1319	-0.7	-0.2
	1945	3.1	0.9		1920	3.6	1.1
13	0125	-0.2	-0.1	28	0113	-1.0	-0.3
Th	0804	4.4	1.3	F	0750	5.2	1.6
	1422	-0.1	0.0		1412	-0.9	-0.3
	2022	3.1	0.9		2014	3.8	1.2
14	0204	-0.2	-0.1	29	0206	-1.1	-0.3
F	0841	4.4	1.3	Sa	0842	5.3	1.6
	1459	-0.2	-0.1		1502	-1.0	-0.3
	2059	3.2	1.0		2107	3.9	1.2
15	0242	-0.2	-0.1	30	0300	-1.1	-0.3
Sa	0918	4.4	1.3	Su	0933	5.2	1.6
	1535	-0.2	-0.1		1551	-1.0	-0.3
	2137	3.2	1.0		2159	4.0	1.2
				31	0354	-1.1	-0.3
				M	1025	5.0	1.5
					1641	-1.0	-0.3
					2252	4.0	1.2

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0449	-0.9	-0.3	16	0419	-0.3	-0.1
Tu	1115	4.7	1.4	W	1039	4.0	1.2
	1729	-0.8	-0.2		1649	-0.3	-0.1
	2347	4.0	1.2		2258	3.7	1.1
2	0545	-0.6	-0.2	17	0503	-0.3	-0.1
W	1209	4.3	1.3	Th	1118	3.8	1.2
	1819	-0.6	-0.2		1726	-0.2	-0.1
					2339	3.8	1.2
3	0043	3.9	1.2	18	0549	-0.1	0.0
Th	0643	-0.3	-0.1	F	1158	3.6	1.1
	1304	3.8	1.2		1806	-0.2	-0.1
	1910	-0.3	-0.1				
4	0139	3.8	1.2	19	0026	3.8	1.2
F	0744	0.0	0.0	Sa	0640	0.0	0.0
	1401	3.4	1.0		1246	3.4	1.0
	2003	-0.1	0.0		1853	-0.1	0.0
5	0239	3.8	1.2	20	0121	3.9	1.2
Sa	0850	0.2	0.1	Su	0741	0.1	0.0
	1502	3.1	0.9		1341	3.1	0.9
	2057	0.1	0.0		1946	-0.1	0.0
6	0339	3.8	1.2	21	0223	4.0	1.2
Su	0955	0.3	0.1	M	0846	0.1	0.0
	1605	2.9	0.9		1449	3.0	0.9
	2152	0.2	0.1		2048	-0.1	0.0
7	0439	3.8	1.2	22	0331	4.1	1.2
M	1058	0.3	0.1	Tu	0958	0.1	0.0
	1702	2.9	0.9		1600	3.0	0.9
	2248	0.2	0.1		2155	-0.2	-0.1
8	0530	3.9	1.2	23	0440	4.4	1.3
Tu	1153	0.2	0.1	W	1104	-0.1	0.0
	1756	2.9	0.9		1709	3.2	1.0
	2338	0.1	0.0		2259	-0.4	-0.1
9	0620	4.0	1.2	24	0543	4.6	1.4
W	1239	0.1	0.0	Th	1207	-0.4	-0.1
	1841	3.0	0.9		1812	3.5	1.1
10	0024	0.0	0.0	25	0004	-0.6	-0.2
Th	0703	4.1	1.2	F	0641	4.9	1.5
	1321	0.0	0.0		1303	-0.6	-0.2
	1921	3.1	0.9		1908	3.8	1.2
11	0106	-0.1	0.0	26	0102	-0.9	-0.3
F	0743	4.2	1.3	Sa	0736	5.1	1.6
	1358	-0.1	0.0		1354	-0.8	-0.2
	1958	3.2	1.0		2000	4.1	1.2
12	0145	-0.3	-0.1	27	0156	-1.0	-0.3
Sa	0820	4.3	1.3	Su	0827	5.1	1.6
	1432	-0.2	-0.1		1442	-1.0	-0.3
	2034	3.3	1.0		2051	4.3	1.3
13	0223	-0.3	-0.1	28	0249	-1.1	-0.3
Su	0855	4.3	1.3	M	0917	5.1	1.6
	1507	-0.3	-0.1		1527	-1.0	-0.3
	2109	3.4	1.0		2140	4.4	1.3
14	0301	-0.4	-0.1				
M	0931	4.3	1.3				
	1540	-0.3	-0.1				
	2146	3.5	1.1				
15	0340	-0.4	-0.1				
Tu	1003	4.2	1.3				
	1612	-0.3	-0.1				
	2221	3.6	1.1				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0340	-1.0	-0.3	16	0319	-0.5	-0.2
Tu	1004	4.8	1.5	W	0935	4.2	1.3
	1612	-0.9	-0.3		1538	-0.3	-0.1
	2228	4.5	1.4		2151	4.2	1.3
2	0431	-0.9	-0.3	17	0401	-0.4	-0.1
W	1052	4.5	1.4	Th	1011	4.0	1.2
	1657	-0.7	-0.2		1615	-0.3	-0.1
	2316	4.4	1.3		2229	4.3	1.3
3	0522	-0.6	-0.2	18	0443	-0.4	-0.1
Th	1140	4.1	1.2	F	1051	3.8	1.2
	1740	-0.4	-0.1		1651	-0.2	-0.1
					2311	4.3	1.3
4	0006	4.2	1.3	19	0529	-0.2	-0.1
F	0616	-0.3	-0.1	Sa	1133	3.6	1.1
	1230	3.6	1.1		1733	-0.1	0.0
	1827	-0.1	0.0		2358	4.3	1.3
5	0059	4.0	1.2	20	0622	0.0	0.0
Sa	0712	0.1	0.0	Su	1225	3.3	1.0
	1327	3.2	1.0		1822	0.0	0.0
	1918	0.2	0.1				
6	0155	3.8	1.2	21	0054	4.2	1.3
Su	0813	0.3	0.1	M	0721	0.1	0.0
	1426	3.0	0.9		1324	3.2	1.0
	2013	0.4	0.1		1922	0.1	0.0
7	0257	3.7	1.1	22	0201	4.2	1.3
M	0918	0.5	0.2	Tu	0830	0.2	0.1
	1528	2.8	0.9		1434	3.1	0.9
	2112	0.5	0.2		2029	0.1	0.0
8	0400	3.7	1.1	23	0312	4.2	1.3
Tu	1021	0.5	0.2	W	0941	0.1	0.0
	1632	2.8	0.9		1550	3.2	1.0
	2214	0.5	0.2		2141	0.1	0.0
9	0458	3.7	1.1	24	0424	4.4	1.3
W	1118	0.5	0.2	Th	1048	0.0	0.0
	1727	2.9	0.9		1658	3.4	1.0
	2309	0.4	0.1		2251	-0.1	0.0
10	0549	3.9	1.2	25	0530	4.6	1.4
Th	1207	0.3	0.1	F	1149	-0.3	-0.1
	1812	3.1	0.9		1759	3.8	1.2
	2359	0.2	0.1		2356	-0.4	-0.1
11	0634	4.0	1.2	26	0628	4.8	1.5
F	1249	0.2	0.1	Sa	1242	-0.5	-0.2
	1853	3.3	1.0		1855	4.2	1.3
12	0041	0.0	0.0	27	0052	-0.7	-0.2
Sa	0713	4.2	1.3	Su	0721	4.9	1.5
	1324	0.0	0.0		1330	-0.7	-0.2
	1932	3.5	1.1		1944	4.5	1.4
13	0122	-0.2	-0.1	28	0147	-0.8	-0.2
Su	0752	4.3	1.3	M	0809	4.9	1.5
	1358	-0.1	0.0		1415	-0.8	-0.2
	2007	3.7	1.1		2030	4.7	1.4
14	0201	-0.3	-0.1	29	0237	-0.9	-0.3
M	0827	4.3	1.3	Tu	0855	4.8	1.5
	1433	-0.2	-0.1		1458	-0.7	-0.2
	2043	3.9	1.2		2116	4.8	1.5
15	0240	-0.4	-0.1	30	0325	-0.8	-0.2
Tu	0902	4.3	1.3	W	0941	4.5	1.4
	1506	-0.3	-0.1		1540	-0.6	-0.2
	2115	4.1	1.2		2201	4.8	1.5
				31	0411	-0.7	-0.2
				Th	1026	4.2	1.3
					1620	-0.4	-0.1
					2243	4.7	1.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0500	-0.4	-0.1	16	0426	-0.4	-0.1
F	1112	3.8	1.2	Sa	1031	3.8	1.2
	1702	-0.1	0.0		1623	-0.2	-0.1
	2331	4.4	1.3		2249	4.8	1.5
2	0547	-0.1	0.0	17	0515	-0.3	-0.1
Sa	1200	3.5	1.1	Su	1118	3.6	1.1
	1747	0.2	0.1		1710	-0.1	0.0
					2340	4.7	1.4
3	0019	4.2	1.3	18	0609	-0.1	0.0
Su	0638	0.2	0.1	M	1214	3.4	1.0
	1251	3.2	1.0		1805	0.1	0.0
	1834	0.5	0.2				
4	0112	3.9	1.2	19	0040	4.5	1.4
M	0734	0.4	0.1	Tu	0711	0.1	0.0
	1348	3.0	0.9		1317	3.3	1.0
	1927	0.7	0.2		1908	0.2	0.1
5	0211	3.7	1.1	20	0147	4.4	1.3
Tu	0837	0.6	0.2	W	0818	0.2	0.1
	1453	2.9	0.9		1431	3.3	1.0
	2029	0.8	0.2		2018	0.3	0.1
6	0315	3.7	1.1	21	0259	4.3	1.3
W	0939	0.7	0.2	Th	0926	0.1	0.0
	1555	2.9	0.9		1544	3.5	1.1
	2135	0.7	0.2		2133	0.2	0.1
7	0416	3.7	1.1	22	0409	4.4	1.3
Th	1035	0.6	0.2	F	1032	0.0	0.0
	1650	3.1	0.9		1650	3.8	1.2
	2233	0.6	0.2		2243	0.1	0.0
8	0509	3.8	1.2	23	0514	4.5	1.4
F	1125	0.4	0.1	Sa	1127	-0.2	-0.1
	1739	3.3	1.0		1747	4.2	1.3
	2327	0.4	0.1		2346	-0.2	-0.1
9	0556	4.0	1.2	24	0610	4.5	1.4
Sa	1204	0.3	0.1	Su	1218	-0.4	-0.1
	1818	3.6	1.1		1837	4.5	1.4
10	0012	0.1	0.0	25	0042	-0.4	-0.1
Su	0637	4.1	1.2	M	0700	4.5	1.4
	1241	0.1	0.0		1304	-0.5	-0.2
	1857	3.9	1.2		1926	4.8	1.5
11	0055	-0.1	0.0	26	0134	-0.6	-0.2
M	0716	4.2	1.3	Tu	0748	4.5	1.4
	1317	-0.1	0.0		1346	-0.5	-0.2
	1934	4.2	1.3		2009	5.0	1.5
12	0137	-0.3	-0.1	27	0222	-0.6	-0.2
Tu	0754	4.2	1.3	W	0834	4.3	1.3
	1353	-0.2	-0.1		1427	-0.4	-0.1
	2011	4.5	1.4		2052	5.0	1.5
13	0217	-0.4	-0.1	28	0308	-0.6	-0.2
W	0831	4.2	1.3	Th	0918	4.1	1.2
	1427	-0.3	-0.1		1506	-0.3	-0.1
	2046	4.7	1.4		2135	5.0	1.5
14	0259	-0.5	-0.2	29	0351	-0.4	-0.1
Th	0908	4.1	1.2	F	0959	3.9	1.2
	1504	-0.3	-0.1		1546	-0.1	0.0
	2122	4.8	1.5		2215	4.8	1.5
15	0340	-0.5	-0.2	30	0436	-0.2	-0.1
F	0947	3.9	1.2	Sa	1044	3.6	1.1
	1540	-0.3	-0.1		1627	0.1	0.0
	2204	4.8	1.5		2259	4.6	1.4

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0521	0.0	0.0	16	0505	-0.3	-0.1
Su	1129	3.4	1.0	M	1108	3.6	1.1
	1710	0.4	0.1		1655	-0.1	0.0
	2345	4.3	1.3		2329	5.0	1.5
2	0609	0.3	0.1	17	0601	-0.2	-0.1
M	1217	3.2	1.0	Tu	1208	3.5	1.1
	1755	0.6	0.2		1753	0.1	0.0
3	0033	4.1	1.2	18	0030	4.7	1.4
Tu	0659	0.5	0.2	W	0700	-0.1	0.0
	1314	3.0	0.9		1313	3.5	1.1
	1848	0.8	0.2		1902	0.3	0.1
4	0128	3.9	1.2	19	0136	4.5	1.4
W	0755	0.6	0.2	Th	0805	0.0	0.0
	1413	3.0	0.9		1424	3.6	1.1
	1948	0.9	0.3		2012	0.3	0.1
5	0227	3.8	1.2	20	0245	4.4	1.3
Th	0851	0.6	0.2	F	0908	0.0	0.0
	1512	3.1	0.9		1531	3.8	1.2
	2052	0.8	0.2		2124	0.3	0.1
6	0326	3.7	1.1	21	0350	4.3	1.3
F	0944	0.6	0.2	Sa	1007	-0.1	0.0
	1605	3.3	1.0		1634	4.1	1.2
	2152	0.7	0.2		2234	0.2	0.1
7	0421	3.8	1.2	22	0453	4.2	1.3
Sa	1032	0.4	0.1	Su	1101	-0.2	-0.1
	1654	3.6	1.1		1728	4.4	1.3
	2248	0.5	0.2		2335	0.0	0.0
8	0511	3.8	1.2	23	0548	4.2	1.3
Su	1115	0.3	0.1	M	1151	-0.2	-0.1
	1739	3.9	1.2		1820	4.7	1.4
	2338	0.3	0.1				
9	0554	3.9	1.2	24	0030	-0.2	-0.1
M	1154	0.1	0.0	Tu	0639	4.1	1.2
	1818	4.2	1.3		1235	-0.3	-0.1
					1905	4.9	1.5
10	0026	0.0	0.0	25	0119	-0.3	-0.1
Tu	0637	4.0	1.2	W	0726	4.0	1.2
	1234	-0.1	0.0		1316	-0.2	-0.1
	1857	4.6	1.4		1949	5.0	1.5
11	0111	-0.2	-0.1	26	0206	-0.3	-0.1
W	0719	4.0	1.2	Th	0811	3.9	1.2
	1311	-0.2	-0.1		1358	-0.2	-0.1
	1938	4.9	1.5		2030	5.0	1.5
12	0153	-0.4	-0.1	27	0249	-0.3	-0.1
Th	0801	4.0	1.2	F	0853	3.7	1.1
	1350	-0.3	-0.1		1438	0.0	0.0
	2017	5.1	1.6		2109	4.9	1.5
13	0239	-0.5	-0.2	28	0330	-0.2	-0.1
F	0843	3.9	1.2	Sa	0935	3.6	1.1
	1432	-0.4	-0.1		1516	0.1	0.0
	2102	5.2	1.6		2148	4.8	1.5
14	0325	-0.5	-0.2	29	0412	0.0	0.0
Sa	0926	3.8	1.2	Su	1018	3.4	1.0
	1515	-0.3	-0.1		1556	0.3	0.1
	2146	5.2	1.6		2230	4.6	1.4
15	0411	-0.4	-0.1	30	0455	0.1	0.0
Su	1014	3.7	1.1	M	1100	3.3	1.0
	1603	-0.2	-0.1		1638	0.4	0.1
	2236	5.1	1.6		2313	4.4	1.3
				31	0538	0.3	0.1
				Tu	1148	3.2	1.0
					1724	0.6	0.2
					2358	4.2	1.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0625	0.4	0.1	16	0019	4.9	1.5
W	1238	3.1	0.9	Th	0646	-0.3	-0.1
	1814	0.7	0.2		1301	3.8	1.2
					1851	0.2	0.1
2	0048	4.0	1.2	17	0121	4.6	1.4
Th	0712	0.5	0.2	F	0744	-0.2	-0.1
	1330	3.1	0.9		1407	3.9	1.2
	1909	0.8	0.2		2000	0.3	0.1
3	0139	3.8	1.2	18	0225	4.3	1.3
F	0802	0.5	0.2	Sa	0843	-0.1	0.0
	1423	3.3	1.0		1511	4.1	1.2
	2008	0.8	0.2		2112	0.3	0.1
4	0233	3.7	1.1	19	0328	4.1	1.2
Sa	0850	0.5	0.2	Su	0939	-0.1	0.0
	1516	3.5	1.1		1613	4.3	1.3
	2108	0.7	0.2		2219	0.3	0.1
5	0328	3.7	1.1	20	0430	3.9	1.2
Su	0937	0.4	0.1	M	1032	-0.1	0.0
	1605	3.8	1.2		1707	4.6	1.4
	2205	0.6	0.2		2319	0.2	0.1
6	0419	3.7	1.1	21	0527	3.8	1.2
M	1022	0.2	0.1	Tu	1119	0.0	0.0
	1653	4.1	1.2		1757	4.7	1.4
	2259	0.4	0.1				
7	0509	3.7	1.1	22	0015	0.1	0.0
Tu	1108	0.1	0.0	W	0621	3.7	1.1
	1738	4.5	1.4		1207	0.0	0.0
	2351	0.1	0.0		1844	4.8	1.5
8	0559	3.7	1.1	23	0105	0.0	0.0
W	1151	-0.1	0.0	Th	0705	3.6	1.1
	1823	4.8	1.5		1249	0.0	0.0
					1927	4.9	1.5
9	0041	-0.1	0.0	24	0151	0.0	0.0
Th	0644	3.8	1.2	F	0751	3.5	1.1
	1236	-0.3	-0.1		1332	0.1	0.0
	1909	5.1	1.6		2008	4.9	1.5
10	0132	-0.3	-0.1	25	0231	0.0	0.0
F	0732	3.8	1.2	Sa	0833	3.5	1.1
	1320	-0.4	-0.1		1411	0.1	0.0
	1955	5.3	1.6		2047	4.8	1.5
11	0219	-0.5	-0.2	26	0310	0.0	0.0
Sa	0820	3.8	1.2	Su	0914	3.4	1.0
	1409	-0.4	-0.1		1451	0.2	0.1
	2041	5.5	1.7		2127	4.7	1.4
12	0309	-0.5	-0.2	27	0351	0.1	0.0
Su	0909	3.8	1.2	M	0954	3.4	1.0
	1457	-0.4	-0.1		1532	0.3	0.1
	2132	5.5	1.7		2206	4.6	1.4
13	0401	-0.5	-0.2	28	0428	0.1	0.0
M	1002	3.8	1.2	Tu	1033	3.4	1.0
	1550	-0.4	-0.1		1612	0.4	0.1
	2225	5.3	1.6		2246	4.5	1.4
14	0454	-0.5	-0.2	29	0508	0.2	0.1
Tu	1100	3.8	1.2	W	1115	3.3	1.0
	1646	-0.2	-0.1		1657	0.5	0.2
	2321	5.1	1.6		2326	4.3	1.3
15	0550	-0.4	-0.1	30	0548	0.3	0.1
W	1158	3.8	1.2	Th	1200	3.3	1.0
	1745	0.0	0.0		1742	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0008	4.1	1.2	16	0101	4.5	1.4
F	0630	0.3	0.1	Sa	0715	-0.2	-0.1
	1246	3.4	1.0		1343	4.3	1.3
	1832	0.7	0.2		1944	0.2	0.1
2	0054	3.9	1.2	17	0200	4.2	1.3
Sa	0715	0.4	0.1	Su	0810	-0.1	0.0
	1334	3.5	1.1		1443	4.4	1.3
	1927	0.7	0.2		2052	0.4	0.1
3	0143	3.7	1.1	18	0304	3.8	1.2
Su	0758	0.4	0.1	M	0906	0.1	0.0
	1426	3.7	1.1		1544	4.4	1.3
	2025	0.7	0.2		2158	0.4	0.1
4	0235	3.6	1.1	19	0405	3.6	1.1
M	0844	0.3	0.1	Tu	1000	0.2	0.1
	1517	4.0	1.2		1642	4.5	1.4
	2126	0.6	0.2		2302	0.4	0.1
5	0331	3.5	1.1	20	0504	3.5	1.1
Tu	0931	0.2	0.1	W	1053	0.3	0.1
	1607	4.3	1.3		1735	4.6	1.4
	2225	0.4	0.1		2359	0.4	0.1
6	0426	3.5	1.1	21	0559	3.4	1.0
W	1022	0.1	0.0	Th	1143	0.3	0.1
	1702	4.6	1.4		1822	4.7	1.4
	2322	0.2	0.1				
7	0520	3.5	1.1	22	0048	0.3	0.1
Th	1114	-0.1	0.0	F	0649	3.4	1.0
	1753	4.9	1.5		1228	0.3	0.1
					1908	4.7	1.4
8	0016	0.0	0.0	23	0131	0.2	0.1
F	0615	3.6	1.1	Sa	0731	3.4	1.0
	1204	-0.3	-0.1		1311	0.3	0.1
	1844	5.2	1.6		1949	4.8	1.5
9	0109	-0.3	-0.1	24	0211	0.2	0.1
Sa	0708	3.7	1.1	Su	0811	3.5	1.1
	1257	-0.4	-0.1		1351	0.2	0.1
	1935	5.5	1.7		2027	4.8	1.5
10	0201	-0.4	-0.1	25	0249	0.2	0.1
Su	0802	3.9	1.2	M	0850	3.5	1.1
	1350	-0.5	-0.2		1430	0.2	0.1
	2026	5.6	1.7		2106	4.7	1.4
11	0254	-0.6	-0.2	26	0325	0.2	0.1
M	0855	4.0	1.2	Tu	0928	3.6	1.1
	1442	-0.6	-0.2		1511	0.2	0.1
	2118	5.6	1.7		2140	4.7	1.4
12	0344	-0.6	-0.2	27	0359	0.2	0.1
Tu	0949	4.1	1.2	W	1006	3.6	1.1
	1538	-0.5	-0.2		1550	0.3	0.1
	2212	5.5	1.7		2217	4.5	1.4
13	0436	-0.6	-0.2	28	0436	0.2	0.1
W	1044	4.1	1.2	Th	1043	3.7	1.1
	1636	-0.4	-0.1		1631	0.4	0.1
	2306	5.2	1.6		2254	4.4	1.3
14	0528	-0.5	-0.2	29	0509	0.2	0.1
Th	1142	4.2	1.3	F	1121	3.7	1.1
	1734	-0.2	-0.1		1713	0.4	0.1
					2332	4.2	1.3
15	0001	4.9	1.5	30	0548	0.3	0.1
F	0622	-0.4	-0.1	Sa	1201	3.8	1.2
	1242	4.2	1.3		1800	0.5	0.2
	1838	0.1	0.0				
				31	0011	4.0	1.2
				Su	0627	0.3	0.1
					1246	3.9	1.2
					1851	0.6	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0059	3.7	1.1	16	0236	3.6	1.1
M	0710	0.3	0.1	Tu	0828	0.4	0.1
	1336	4.0	1.2		1515	4.4	1.3
	1946	0.7	0.2		2136	0.6	0.2
2	0150	3.6	1.1	17	0341	3.4	1.0
Tu	0757	0.3	0.1	W	0928	0.6	0.2
	1432	4.2	1.3		1614	4.4	1.3
	2048	0.6	0.2		2240	0.7	0.2
3	0246	3.4	1.0	18	0442	3.3	1.0
W	0850	0.3	0.1	Th	1026	0.6	0.2
	1532	4.4	1.3		1710	4.5	1.4
	2152	0.5	0.2		2338	0.6	0.2
4	0351	3.4	1.0	19	0538	3.3	1.0
Th	0946	0.2	0.1	F	1119	0.6	0.2
	1629	4.7	1.4		1801	4.6	1.4
	2256	0.3	0.1				
5	0453	3.5	1.1	20	0025	0.5	0.2
F	1045	0.0	0.0	Sa	0626	3.4	1.0
	1728	5.0	1.5		1207	0.5	0.2
	2355	0.1	0.0		1847	4.6	1.4
6	0554	3.6	1.1	21	0108	0.4	0.1
Sa	1144	-0.2	-0.1	Su	0709	3.6	1.1
	1824	5.3	1.6		1250	0.4	0.1
					1926	4.7	1.4
7	0051	-0.2	-0.1	22	0143	0.3	0.1
Su	0651	3.9	1.2	M	0748	3.7	1.1
	1241	-0.4	-0.1		1332	0.3	0.1
	1919	5.5	1.7		2004	4.7	1.4
8	0143	-0.4	-0.1	23	0218	0.3	0.1
M	0747	4.1	1.2	Tu	0824	3.8	1.2
	1338	-0.5	-0.2		1410	0.2	0.1
	2012	5.7	1.7		2039	4.7	1.4
9	0234	-0.6	-0.2	24	0253	0.2	0.1
Tu	0840	4.3	1.3	W	0859	3.9	1.2
	1431	-0.6	-0.2		1448	0.2	0.1
	2103	5.7	1.7		2114	4.7	1.4
10	0324	-0.7	-0.2	25	0325	0.2	0.1
W	0933	4.5	1.4	Th	0935	4.0	1.2
	1527	-0.6	-0.2		1527	0.2	0.1
	2155	5.5	1.7		2148	4.6	1.4
11	0412	-0.6	-0.2	26	0358	0.2	0.1
Th	1025	4.6	1.4	F	1007	4.1	1.2
	1623	-0.5	-0.2		1606	0.2	0.1
	2247	5.2	1.6		2222	4.4	1.3
12	0500	-0.5	-0.2	27	0431	0.2	0.1
F	1120	4.7	1.4	Sa	1044	4.2	1.3
	1718	-0.2	-0.1		1647	0.3	0.1
	2340	4.8	1.5		2257	4.2	1.3
13	0550	-0.3	-0.1	28	0503	0.2	0.1
Sa	1214	4.6	1.4	Su	1123	4.3	1.3
	1819	0.0	0.0		1729	0.4	0.1
					2336	4.0	1.2
14	0035	4.4	1.3	29	0544	0.3	0.1
Su	0642	-0.1	0.0	M	1206	4.3	1.3
	1312	4.6	1.4		1821	0.6	0.2
	1921	0.3	0.1				
15	0133	4.0	1.2	30	0022	3.7	1.1
M	0733	0.2	0.1	Tu	0627	0.4	0.1
	1413	4.5	1.4		1257	4.4	1.3
	2027	0.5	0.2		1917	0.7	0.2
				31	0113	3.5	1.1
				W	0717	0.5	0.2
					1354	4.4	1.3
					2021	0.7	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0216	3.4	1.0	16	0417	3.3	1.0
Th	0815	0.5	0.2	F	0957	0.9	0.3
	1459	4.6	1.4		1641	4.3	1.3
	2128	0.6	0.2		2307	0.8	0.2
2	0326	3.4	1.0	17	0513	3.4	1.0
F	0920	0.4	0.1	Sa	1053	0.8	0.2
	1607	4.8	1.5		1732	4.4	1.3
	2234	0.5	0.2		2354	0.7	0.2
3	0435	3.5	1.1	18	0559	3.6	1.1
Sa	1026	0.2	0.1	Su	1143	0.7	0.2
	1709	5.0	1.5		1818	4.5	1.4
	2335	0.2	0.1				
4	0541	3.8	1.2	19	0036	0.5	0.2
Su	1130	0.0	0.0	M	0641	3.8	1.2
	1810	5.3	1.6		1228	0.5	0.2
					1857	4.6	1.4
5	0031	-0.1	0.0	20	0113	0.4	0.1
M	0637	4.2	1.3	Tu	0719	4.0	1.2
	1231	-0.3	-0.1		1308	0.3	0.1
	1903	5.5	1.7		1935	4.7	1.4
6	0124	-0.4	-0.1	21	0143	0.3	0.1
Tu	0732	4.5	1.4	W	0754	4.2	1.3
	1326	-0.5	-0.2		1348	0.2	0.1
	1955	5.6	1.7		2010	4.7	1.4
7	0211	-0.6	-0.2	22	0215	0.2	0.1
W	0822	4.8	1.5	Th	0829	4.4	1.3
	1420	-0.6	-0.2		1425	0.1	0.0
	2045	5.5	1.7		2043	4.6	1.4
8	0258	-0.6	-0.2	23	0247	0.1	0.0
Th	0913	5.0	1.5	F	0901	4.5	1.4
	1514	-0.6	-0.2		1503	0.1	0.0
	2134	5.3	1.6		2118	4.5	1.4
9	0343	-0.6	-0.2	24	0319	0.1	0.0
F	1002	5.1	1.6	Sa	0934	4.6	1.4
	1607	-0.5	-0.2		1543	0.1	0.0
	2223	5.0	1.5		2151	4.3	1.3
10	0428	-0.4	-0.1	25	0351	0.1	0.0
Sa	1052	5.1	1.6	Su	1009	4.7	1.4
	1700	-0.2	-0.1		1623	0.2	0.1
	2314	4.6	1.4		2228	4.1	1.2
11	0516	-0.1	0.0	26	0428	0.2	0.1
Su	1144	4.9	1.5	M	1051	4.7	1.4
	1754	0.1	0.0		1709	0.3	0.1
					2307	3.9	1.2
12	0006	4.1	1.2	27	0509	0.3	0.1
M	0603	0.2	0.1	Tu	1134	4.7	1.4
	1238	4.7	1.4		1758	0.5	0.2
	1854	0.4	0.1		2355	3.6	1.1
13	0103	3.7	1.1	28	0555	0.4	0.1
Tu	0654	0.5	0.2	W	1225	4.6	1.4
	1335	4.5	1.4		1855	0.6	0.2
	1957	0.7	0.2				
14	0207	3.4	1.0	29	0051	3.4	1.0
W	0753	0.7	0.2	Th	0648	0.5	0.2
	1439	4.4	1.3		1328	4.6	1.4
	2104	0.8	0.2		2000	0.7	0.2
15	0313	3.3	1.0	30	0200	3.3	1.0
Th	0854	0.9	0.3	F	0752	0.6	0.2
	1541	4.3	1.3		1438	4.6	1.4
	2211	0.9	0.3		2110	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0315	3.4	1.0	16	0440	3.4	1.0
Sa	0905	0.5	0.2	Su	1020	0.9	0.3
	1549	4.7	1.4		1656	4.2	1.3
	2217	0.4	0.1		2311	0.7	0.2
2	0426	3.7	1.1	17	0527	3.6	1.1
Su	1015	0.3	0.1	M	1111	0.7	0.2
	1653	4.9	1.5		1743	4.3	1.3
	2317	0.1	0.0		2352	0.5	0.2
3	0527	4.1	1.2	18	0608	3.9	1.2
M	1120	0.1	0.0	Tu	1159	0.5	0.2
	1752	5.1	1.6		1822	4.4	1.3
4	0010	-0.1	0.0	19	0028	0.3	0.1
Tu	0624	4.5	1.4	W	0647	4.2	1.3
	1220	-0.2	-0.1		1241	0.3	0.1
	1848	5.3	1.6		1900	4.4	1.3
5	0100	-0.4	-0.1	20	0103	0.2	0.1
W	0716	4.9	1.5	Th	0721	4.4	1.3
	1316	-0.4	-0.1		1321	0.1	0.0
	1937	5.3	1.6		1936	4.4	1.3
6	0146	-0.5	-0.2	21	0135	0.0	0.0
Th	0803	5.2	1.6	F	0755	4.7	1.4
	1408	-0.5	-0.2		1400	0.0	0.0
	2025	5.2	1.6		2012	4.3	1.3
7	0230	-0.6	-0.2	22	0208	0.0	0.0
F	0849	5.3	1.6	Sa	0830	4.9	1.5
	1459	-0.5	-0.2		1439	-0.1	0.0
	2114	4.9	1.5		2048	4.2	1.3
8	0313	-0.5	-0.2	23	0244	-0.1	0.0
Sa	0937	5.4	1.6	Su	0905	5.0	1.5
	1548	-0.4	-0.1		1521	-0.1	0.0
	2159	4.6	1.4		2124	4.1	1.2
9	0356	-0.3	-0.1	24	0319	0.0	0.0
Su	1023	5.3	1.6	M	0944	5.0	1.5
	1638	-0.2	-0.1		1604	0.0	0.0
	2247	4.2	1.3		2203	3.9	1.2
10	0441	0.0	0.0	25	0355	0.0	0.0
M	1110	5.0	1.5	Tu	1026	5.0	1.5
	1731	0.1	0.0		1651	0.1	0.0
	2338	3.8	1.2		2249	3.7	1.1
11	0524	0.3	0.1	26	0441	0.1	0.0
Tu	1201	4.8	1.5	W	1113	4.9	1.5
	1824	0.4	0.1		1740	0.3	0.1
					2339	3.5	1.1
12	0033	3.5	1.1	27	0532	0.3	0.1
W	0617	0.6	0.2	Th	1208	4.8	1.5
	1259	4.5	1.4		1840	0.4	0.1
	1924	0.7	0.2				
13	0133	3.3	1.0	28	0040	3.4	1.0
Th	0710	0.9	0.3	F	0631	0.4	0.1
	1357	4.2	1.3		1312	4.6	1.4
	2027	0.9	0.3		1945	0.4	0.1
14	0240	3.2	1.0	29	0154	3.3	1.0
F	0813	1.0	0.3	Sa	0740	0.5	0.2
	1502	4.1	1.2		1423	4.6	1.4
	2129	0.9	0.3		2054	0.4	0.1
15	0343	3.2	1.0	30	0307	3.5	1.1
Sa	0920	1.0	0.3	Su	0854	0.5	0.2
	1602	4.1	1.2		1532	4.6	1.4
	2226	0.8	0.2		2157	0.2	0.1
				31	0416	3.8	1.2
				M	1005	0.3	0.1
					1638	4.7	1.4
					2256	0.0	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0515	4.2	1.3	16	0527	3.9	1.2
Tu	1111	0.1	0.0	W	1125	0.5	0.2
	1735	4.7	1.4		1741	3.9	1.2
	2346	-0.3	-0.1		2343	0.2	0.1
2	0607	4.7	1.4	17	0607	4.2	1.3
W	1212	-0.2	-0.1	Th	1210	0.2	0.1
	1828	4.8	1.5		1823	4.0	1.2
3	0034	-0.4	-0.1	18	0019	0.0	0.0
Th	0658	5.0	1.5	F	0645	4.5	1.4
	1305	-0.4	-0.1		1254	0.0	0.0
	1918	4.7	1.4		1902	4.0	1.2
4	0119	-0.5	-0.2	19	0057	-0.1	0.0
F	0744	5.2	1.6	Sa	0724	4.8	1.5
	1356	-0.5	-0.2		1336	-0.2	-0.1
	2006	4.6	1.4		1941	3.9	1.2
5	0202	-0.5	-0.2	20	0133	-0.3	-0.1
Sa	0830	5.4	1.6	Su	0801	5.0	1.5
	1445	-0.5	-0.2		1419	-0.3	-0.1
	2052	4.3	1.3		2020	3.9	1.2
6	0244	-0.4	-0.1	21	0211	-0.3	-0.1
Su	0913	5.3	1.6	M	0842	5.1	1.6
	1531	-0.3	-0.1		1502	-0.3	-0.1
	2138	4.1	1.2		2102	3.8	1.2
7	0325	-0.2	-0.1	22	0252	-0.3	-0.1
M	0957	5.2	1.6	Tu	0923	5.2	1.6
	1616	-0.1	0.0		1547	-0.3	-0.1
	2223	3.8	1.2		2147	3.7	1.1
8	0407	0.1	0.0	23	0337	-0.3	-0.1
Tu	1043	4.9	1.5	W	1010	5.1	1.6
	1704	0.1	0.0		1638	-0.2	-0.1
	2310	3.5	1.1		2233	3.5	1.1
9	0453	0.3	0.1	24	0424	-0.2	-0.1
W	1129	4.6	1.4	Th	1101	5.0	1.5
	1754	0.3	0.1		1731	-0.1	0.0
					2329	3.4	1.0
10	0001	3.3	1.0	25	0520	0.0	0.0
Th	0539	0.6	0.2	F	1157	4.8	1.5
	1221	4.3	1.3		1827	0.0	0.0
	1848	0.6	0.2				
11	0057	3.1	0.9	26	0033	3.4	1.0
F	0632	0.8	0.2	Sa	0622	0.2	0.1
	1317	4.1	1.2		1259	4.6	1.4
	1945	0.7	0.2		1930	0.0	0.0
12	0158	3.0	0.9	27	0144	3.4	1.0
Sa	0731	0.9	0.3	Su	0731	0.3	0.1
	1416	3.9	1.2		1407	4.4	1.3
	2041	0.7	0.2		2032	0.0	0.0
13	0300	3.1	0.9	28	0254	3.6	1.1
Su	0836	0.9	0.3	M	0844	0.3	0.1
	1515	3.9	1.2		1513	4.3	1.3
	2134	0.6	0.2		2133	-0.1	0.0
14	0355	3.3	1.0	29	0400	3.9	1.2
M	0938	0.9	0.3	Tu	0955	0.2	0.1
	1608	3.9	1.2		1616	4.2	1.3
	2221	0.5	0.2		2229	-0.2	-0.1
15	0444	3.6	1.1	30	0459	4.3	1.3
Tu	1034	0.7	0.2	W	1101	0.0	0.0
	1656	3.9	1.2		1715	4.2	1.3
	2304	0.3	0.1		2320	-0.4	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0551	4.6	1.4	16	0527	4.1	1.2
Th	1200	-0.2	-0.1	F	1136	0.1	0.0
	1810	4.1	1.2		1741	3.5	1.1
					2335	-0.2	-0.1
2	0009	-0.5	-0.2	17	0610	4.4	1.3
F	0640	4.9	1.5	Sa	1223	-0.1	0.0
	1255	-0.3	-0.1		1826	3.5	1.1
	1900	4.0	1.2				
3	0055	-0.5	-0.2	18	0018	-0.3	-0.1
Sa	0726	5.0	1.5	Su	0653	4.7	1.4
	1343	-0.4	-0.1		1312	-0.3	-0.1
	1948	3.9	1.2		1912	3.5	1.1
4	0137	-0.4	-0.1	19	0103	-0.5	-0.2
Su	0811	5.1	1.6	M	0737	5.0	1.5
	1429	-0.4	-0.1		1358	-0.5	-0.2
	2033	3.7	1.1		1956	3.6	1.1
5	0218	-0.4	-0.1	20	0146	-0.6	-0.2
M	0852	5.0	1.5	Tu	0822	5.1	1.6
	1514	-0.3	-0.1		1446	-0.6	-0.2
	2115	3.6	1.1		2043	3.6	1.1
6	0300	-0.2	-0.1	21	0235	-0.7	-0.2
Tu	0934	4.9	1.5	W	0909	5.2	1.6
	1557	-0.2	-0.1		1534	-0.6	-0.2
	2200	3.4	1.0		2132	3.6	1.1
7	0343	-0.1	0.0	22	0323	-0.7	-0.2
W	1018	4.7	1.4	Th	0959	5.1	1.6
	1640	0.0	0.0		1623	-0.6	-0.2
	2243	3.2	1.0		2223	3.5	1.1
8	0424	0.1	0.0	23	0414	-0.6	-0.2
Th	1100	4.4	1.3	F	1049	5.0	1.5
	1724	0.1	0.0		1716	-0.5	-0.2
	2329	3.1	0.9		2321	3.5	1.1
9	0508	0.3	0.1	24	0512	-0.4	-0.1
F	1147	4.2	1.3	Sa	1145	4.7	1.4
	1811	0.3	0.1		1811	-0.5	-0.2
10	0019	3.0	0.9	25	0022	3.5	1.1
Sa	0557	0.5	0.2	Su	0614	-0.2	-0.1
	1234	4.0	1.2		1243	4.5	1.4
	1859	0.4	0.1		1907	-0.4	-0.1
11	0110	3.0	0.9	26	0126	3.6	1.1
Su	0651	0.6	0.2	M	0720	0.0	0.0
	1325	3.8	1.2		1347	4.2	1.3
	1947	0.4	0.1		2005	-0.3	-0.1
12	0206	3.1	0.9	27	0232	3.8	1.2
M	0749	0.7	0.2	Tu	0830	0.1	0.0
	1420	3.6	1.1		1451	3.9	1.2
	2036	0.4	0.1		2103	-0.3	-0.1
13	0302	3.2	1.0	28	0336	4.0	1.2
Tu	0849	0.6	0.2	W	0941	0.1	0.0
	1514	3.5	1.1		1557	3.7	1.1
	2124	0.3	0.1		2201	-0.3	-0.1
14	0355	3.5	1.1	29	0439	4.2	1.3
W	0949	0.5	0.2	Th	1048	0.0	0.0
	1603	3.5	1.1		1656	3.6	1.1
	2209	0.2	0.1		2254	-0.3	-0.1
15	0440	3.8	1.2	30	0532	4.4	1.3
Th	1045	0.4	0.1	F	1149	-0.1	0.0
	1653	3.4	1.0		1753	3.5	1.1
	2254	0.0	0.0		2345	-0.4	-0.1
				31	0623	4.6	1.4
				Sa	1244	-0.2	-0.1
					1847	3.4	1.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1	0018	4.9	1.5
Sa	0657	-1.0	-0.3
	1240	6.1	1.9
	1942	-1.0	-0.3
2	0113	5.0	1.5
Su	0750	-0.9	-0.3
	1334	6.0	1.8
	2032	-0.9	-0.3
3	0211	5.0	1.5
M	0843	-0.7	-0.2
	1430	5.8	1.8
	2122	-0.7	-0.2
4	0307	5.1	1.6
Tu	0939	-0.5	-0.2
	1528	5.7	1.7
	2213	-0.5	-0.2
5	0407	5.2	1.6
W	1034	-0.3	-0.1
	1627	5.5	1.7
	2304	-0.4	-0.1
6	0504	5.3	1.6
Th	1132	-0.2	-0.1
	1724	5.3	1.6
	2356	-0.3	-0.1
7	0602	5.4	1.6
F	1229	-0.2	-0.1
	1822	5.1	1.6
8	0048	-0.2	-0.1
Sa	0656	5.5	1.7
	1325	-0.2	-0.1
	1917	5.0	1.5
9	0140	-0.3	-0.1
Su	0749	5.5	1.7
	1420	-0.3	-0.1
	2010	4.9	1.5
10	0230	-0.4	-0.1
M	0837	5.6	1.7
	1511	-0.5	-0.2
	2059	4.8	1.5
11	0318	-0.5	-0.2
Tu	0926	5.5	1.7
	1558	-0.6	-0.2
	2145	4.7	1.4
12	0403	-0.6	-0.2
W	1009	5.5	1.7
	1645	-0.6	-0.2
	2228	4.6	1.4
13	0446	-0.6	-0.2
Th	1048	5.4	1.6
	1728	-0.6	-0.2
	2309	4.5	1.4
14	0528	-0.6	-0.2
F	1126	5.4	1.6
	1808	-0.5	-0.2
	2346	4.4	1.3
15	0609	-0.5	-0.2
Sa	1158	5.3	1.6
	1846	-0.3	-0.1

Day	Time h m	Height ft	Height m
16	0018	4.4	1.3
Su	0646	-0.4	-0.1
	1226	5.3	1.6
	1924	-0.2	-0.1
17	0045	4.4	1.3
M	0724	-0.2	-0.1
	1253	5.4	1.6
	2001	0.0	0.0
18	0110	4.6	1.4
Tu	0803	0.0	0.0
	1325	5.4	1.6
	2035	0.1	0.0
19	0142	4.7	1.4
W	0843	0.1	0.0
	1403	5.4	1.6
	2112	0.2	0.1
20	0224	4.9	1.5
Th	0931	0.2	0.1
	1448	5.3	1.6
	2149	0.2	0.1
21	0316	5.0	1.5
F	1026	0.3	0.1
	1543	5.1	1.6
	2238	0.2	0.1
22	0416	5.1	1.6
Sa	1131	0.4	0.1
	1645	4.8	1.5
	2335	0.2	0.1
23	0526	5.2	1.6
Su	1239	0.3	0.1
	1756	4.6	1.4
24	0043	0.1	0.0
M	0638	5.4	1.6
	1348	0.0	0.0
	1909	4.5	1.4
25	0151	-0.1	0.0
Tu	0743	5.5	1.7
	1453	-0.3	-0.1
	2017	4.6	1.4
26	0257	-0.4	-0.1
W	0847	5.7	1.7
	1553	-0.6	-0.2
	2118	4.7	1.4
27	0358	-0.7	-0.2
Th	0945	5.9	1.8
	1649	-0.9	-0.3
	2215	4.9	1.5
28	0454	-0.9	-0.3
F	1040	6.1	1.9
	1741	-1.1	-0.3
	2310	5.1	1.6
29	0549	-1.1	-0.3
Sa	1134	6.1	1.9
	1832	-1.1	-0.3
30	0003	5.2	1.6
Su	0642	-1.1	-0.3
	1226	6.1	1.9
	1921	-1.0	-0.3
31	0057	5.4	1.6
M	0733	-1.0	-0.3
	1316	6.0	1.8
	2006	-0.9	-0.3

FEBRUARY

Day	Time h m	Height ft	Height m
1	0150	5.5	1.7
Tu	0824	-0.8	-0.2
	1409	5.8	1.8
	2053	-0.7	-0.2
2	0243	5.5	1.7
W	0915	-0.6	-0.2
	1501	5.6	1.7
	2139	-0.4	-0.1
3	0336	5.5	1.7
Th	1006	-0.3	-0.1
	1556	5.4	1.6
	2227	-0.2	-0.1
4	0430	5.5	1.7
F	1058	-0.1	0.0
	1652	5.1	1.6
	2316	-0.1	0.0
5	0525	5.4	1.6
Sa	1153	0.0	0.0
	1748	5.0	1.5
6	0007	0.0	0.0
Su	0621	5.4	1.6
	1249	0.0	0.0
	1844	4.8	1.5
7	0102	0.0	0.0
M	0715	5.4	1.6
	1344	-0.1	0.0
	1938	4.8	1.5
8	0153	-0.1	0.0
Tu	0807	5.4	1.6
	1437	-0.2	-0.1
	2029	4.7	1.4
9	0244	-0.2	-0.1
W	0855	5.4	1.6
	1529	-0.3	-0.1
	2118	4.7	1.4
10	0334	-0.4	-0.1
Th	0940	5.4	1.6
	1616	-0.4	-0.1
	2203	4.7	1.4
11	0421	-0.5	-0.2
F	1022	5.5	1.7
	1700	-0.4	-0.1
	2244	4.7	1.4
12	0505	-0.5	-0.2
Sa	1100	5.4	1.6
	1741	-0.4	-0.1
	2322	4.7	1.4
13	0546	-0.5	-0.2
Su	1133	5.4	1.6
	1820	-0.3	-0.1
	2352	4.7	1.4
14	0628	-0.4	-0.1
M	1204	5.4	1.6
	1859	-0.1	0.0
15	0020	4.8	1.5
Tu	0708	-0.2	-0.1
	1231	5.5	1.7
	1933	0.0	0.0

Day	Time h m	Height ft	Height m
16	0046	5.0	1.5
W	0747	-0.1	0.0
	1303	5.4	1.6
	2008	0.1	0.0
17	0118	5.2	1.6
Th	0830	0.1	0.0
	1340	5.4	1.6
	2038	0.2	0.1
18	0200	5.4	1.6
F	0915	0.2	0.1
	1425	5.2	1.6
	2117	0.3	0.1
19	0249	5.5	1.7
Sa	1009	0.4	0.1
	1517	5.0	1.5
	2202	0.3	0.1
20	0348	5.5	1.7
Su	1113	0.4	0.1
	1623	4.7	1.4
	2306	0.4	0.1
21	0457	5.5	1.7
M	1219	0.4	0.1
	1736	4.6	1.4
22	0019	0.3	0.1
Tu	0613	5.5	1.7
	1328	0.2	0.1
	1852	4.5	1.4
23	0132	0.1	0.0
W	0725	5.6	1.7
	1433	-0.1	0.0
	2002	4.7	1.4
24	0240	-0.2	-0.1
Th	0829	5.8	1.8
	1533	-0.4	-0.1
	2105	4.9	1.5
25	0342	-0.5	-0.2
F	0929	6.0	1.8
	1628	-0.7	-0.2
	2201	5.2	1.6
26	0440	-0.8	-0.2
Sa	1025	6.1	1.9
	1719	-0.8	-0.2
	2256	5.5	1.7
27	0533	-1.0	-0.3
Su	1117	6.1	1.9
	1808	-0.9	-0.3
	2345	5.7	1.7
28	0624	-1.0	-0.3
M	1207	6.1	1.9
	1853	-0.8	-0.2

MARCH

Day	Time h m	Height ft	Height m
1	0036	5.8	1.8
Tu	0713	-0.9	-0.3
	1256	6.0	1.8
	1937	-0.7	-0.2
2	0123	5.9	1.8
W	0800	-0.7	-0.2
	1344	5.8	1.8
	2021	-0.4	-0.1
3	0212	5.8	1.8
Th	0846	-0.5	-0.2
	1432	5.5	1.7
	2103	-0.2	-0.1
4	0300	5.7	1.7
F	0936	-0.2	-0.1
	1523	5.3	1.6
	2146	0.1	0.0
5	0351	5.6	1.7
Sa	1025	0.0	0.0
	1616	5.1	1.6
	2234	0.2	0.1
6	0445	5.5	1.7
Su	1116	0.2	0.1
	1711	4.9	1.5
	2326	0.3	0.1
7	0540	5.4	1.6
M	1210	0.3	0.1
	1809	4.8	1.5
8	0019	0.3	0.1
Tu	0636	5.3	1.6
	1305	0.2	0.1
	1904	4.8	1.5
9	0114	0.2	0.1
W	0730	5.4	1.6
	1400	0.1	0.0
	1959	4.8	1.5
10	0210	0.1	0.0
Th	0820	5.4	1.6
	1452	0.0	0.0
	2049	4.9	1.5
11	0302	-0.1	0.0
F	0908	5.5	1.7
	1542	-0.1	0.0
	2134	4.9	1.5
12	0353	-0.2	-0.1
Sa	0952	5.5	1.7
	1628	-0.2	-0.1
	2216	5.0	1.5
13	0439	-0.3	-0.1
Su	1030	5.6	1.7
	1711	-0.2	-0.1
	2253	5.1	1.6
14	0525	-0.3	-0.1
M	1107	5.5	1.7
	1752	-0.1	0.0
	2325	5.2	1.6
15	0608	-0.3	-0.1
Tu	1139	5.5	1.7
	1829	0.0	0.0
	2354	5.4	1.6

Day	Time h m	Height ft	Height m
16	0651	-0.2	-0.1
W	1210	5.5	1.7
	1905	0.1	0.0
17	0024	5.6	1.7
Th	0734	-0.1	0.0
	1243	5.4	1.6
	1940	0.2	0.1
18	0059	5.7	1.7
F	0816	0.1	0.0
	1324	5.3	1.6
	2016	0.3	0.1
19	0142	5.9	1.8
Sa	0906	0.2	0.1
	1409	5.1	1.6
	2056	0.4	0.1
20	0230	5.9	1.8
Su	0959	0.3	0.1
	1504	4.9	1.5
	2149	0.5	0.2
21	0331	5.8	1.8
M	1059	0.4	0.1
	1611	4.7	1.4
	2257	0.6	0.2
22	0441	5.7	1.7
Tu	1205	0.4	0.1
	1730	4.6	1.4
23	0008	0.5	0.2
W	0559	5.6	1.7
	1309	0.3	0.1
	1843	4.7	1.4
24	0119	0.4	0.1
Th	0711	5.7	1.7
	1412	0.1	0.0
	1951	5.0	1.5
25	0226	0.0	0.0
F	0815	5.8	1.8
	1510	-0.2	-0.1
	2050	5.3	1.6
26	0327	-0.3	-0.1
Sa	0913	6.0	1.8
	1604	-0.4	-0.1
	2145	5.7	1.7
27	0425	-0.6	-0.2
Su	1006	6.0	1.8
	1654	-0.6	-0.2
	2237	6.0	1.8
28	0516	-0.8	-0.2
M	1057	6.0	1.8
	1741	-0.6	-0.2
	2325	6.1	1.9
29	0605	-0.8	-0.2
Tu	1145	5.9	1.8
	1824	-0.5	-0.2
30	0011	6.2	1.9
W	0652	-0.7	-0.2
	1231	5.8	1.8
	1907	-0.3	-0.1
31	0056	6.2	1.9
Th	0736	-0.6	-0.2
	1316	5.6	1.7
	1946	-0.1	0.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0139	6.0	1.8	16	0044	6.2	1.9
F	0819	-0.3	-0.1	Sa	0806	-0.1	0.0
	1402	5.3	1.6		1313	5.1	1.6
	2025	0.1	0.0		2000	0.4	0.1
2	0224	5.9	1.8	17	0129	6.2	1.9
Sa	0903	-0.1	0.0	Su	0855	0.1	0.0
	1448	5.1	1.6		1403	5.0	1.5
	2107	0.3	0.1		2048	0.5	0.2
3	0309	5.7	1.7	18	0222	6.1	1.9
Su	0949	0.2	0.1	M	0949	0.2	0.1
	1539	5.0	1.5		1503	4.9	1.5
	2153	0.5	0.2		2146	0.6	0.2
4	0400	5.5	1.7	19	0323	6.0	1.8
M	1039	0.3	0.1	Tu	1047	0.3	0.1
	1634	4.8	1.5		1613	4.8	1.5
	2242	0.6	0.2		2252	0.7	0.2
5	0453	5.4	1.6	20	0434	5.8	1.8
Tu	1129	0.4	0.1	W	1149	0.3	0.1
	1730	4.8	1.5		1726	4.9	1.5
	2338	0.6	0.2				
6	0549	5.4	1.6	21	0001	0.6	0.2
W	1225	0.5	0.2	Th	0548	5.7	1.7
	1826	4.8	1.5		1251	0.3	0.1
					1834	5.1	1.6
7	0035	0.5	0.2	22	0107	0.4	0.1
Th	0646	5.4	1.6	F	0655	5.8	1.8
	1319	0.4	0.1		1351	0.1	0.0
	1921	4.9	1.5		1938	5.4	1.6
8	0133	0.4	0.1	23	0212	0.2	0.1
F	0739	5.4	1.6	Sa	0758	5.8	1.8
	1412	0.3	0.1		1447	-0.1	0.0
	2013	5.0	1.5		2034	5.8	1.8
9	0229	0.2	0.1	24	0311	-0.1	0.0
Sa	0828	5.5	1.7	Su	0854	5.9	1.8
	1503	0.1	0.0		1537	-0.3	-0.1
	2100	5.2	1.6		2127	6.1	1.9
10	0322	0.0	0.0	25	0406	-0.4	-0.1
Su	0914	5.5	1.7	M	0946	5.9	1.8
	1552	0.0	0.0		1627	-0.4	-0.1
	2142	5.4	1.6		2216	6.3	1.9
11	0412	-0.1	0.0	26	0456	-0.6	-0.2
M	0956	5.5	1.7	Tu	1035	5.8	1.8
	1636	0.0	0.0		1711	-0.3	-0.1
	2219	5.5	1.7		2303	6.4	2.0
12	0500	-0.2	-0.1	27	0544	-0.6	-0.2
Tu	1035	5.5	1.7	W	1123	5.7	1.7
	1718	0.0	0.0		1753	-0.3	-0.1
	2255	5.7	1.7		2346	6.3	1.9
13	0547	-0.3	-0.1	28	0628	-0.5	-0.2
W	1113	5.4	1.6	Th	1207	5.5	1.7
	1800	0.0	0.0		1833	-0.1	0.0
	2329	5.9	1.8				
14	0633	-0.3	-0.1	29	0028	6.2	1.9
Th	1150	5.4	1.6	F	0710	-0.4	-0.1
	1838	0.1	0.0		1251	5.3	1.6
					1913	0.1	0.0
15	0005	6.0	1.8	30	0108	6.1	1.9
F	0718	-0.2	-0.1	Sa	0753	-0.2	-0.1
	1228	5.3	1.6		1333	5.1	1.6
	1918	0.2	0.1		1951	0.3	0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0146	5.9	1.8	16	0121	6.4	2.0
Su	0833	0.0	0.0	M	0844	-0.1	0.0
	1416	5.0	1.5		1401	5.0	1.5
	2030	0.4	0.1		2043	0.4	0.1
2	0227	5.7	1.7	17	0218	6.3	1.9
M	0917	0.3	0.1	Tu	0938	0.0	0.0
	1501	4.8	1.5		1504	5.0	1.5
	2115	0.6	0.2		2141	0.5	0.2
3	0311	5.6	1.7	18	0320	6.1	1.9
Tu	1001	0.4	0.1	W	1033	0.1	0.0
	1552	4.8	1.5		1610	5.1	1.6
	2202	0.7	0.2		2244	0.6	0.2
4	0400	5.5	1.7	19	0428	5.9	1.8
W	1050	0.5	0.2	Th	1131	0.2	0.1
	1647	4.8	1.5		1719	5.3	1.6
	2257	0.8	0.2		2348	0.6	0.2
5	0455	5.4	1.6	20	0534	5.9	1.8
Th	1141	0.6	0.2	F	1227	0.1	0.0
	1743	4.8	1.5		1821	5.5	1.7
	2355	0.8	0.2				
6	0554	5.4	1.6	21	0051	0.4	0.1
F	1234	0.5	0.2	Sa	0638	5.8	1.8
	1838	5.0	1.5		1325	0.1	0.0
					1920	5.9	1.8
7	0053	0.7	0.2	22	0154	0.2	0.1
Sa	0650	5.4	1.6	Su	0739	5.8	1.8
	1328	0.4	0.1		1418	0.0	0.0
	1930	5.2	1.6		2016	6.2	1.9
8	0153	0.5	0.2	23	0252	0.0	0.0
Su	0743	5.4	1.6	M	0834	5.7	1.7
	1421	0.3	0.1		1510	-0.1	0.0
	2018	5.4	1.6		2106	6.4	2.0
9	0249	0.3	0.1	24	0345	-0.2	-0.1
M	0830	5.4	1.6	Tu	0926	5.6	1.7
	1511	0.2	0.1		1557	-0.2	-0.1
	2103	5.7	1.7		2154	6.4	2.0
10	0344	0.1	0.0	25	0436	-0.4	-0.1
Tu	0916	5.4	1.6	W	1012	5.5	1.7
	1558	0.1	0.0		1643	-0.2	-0.1
	2145	5.9	1.8		2239	6.4	2.0
11	0435	-0.1	0.0	26	0522	-0.4	-0.1
W	1002	5.3	1.6	Th	1058	5.3	1.6
	1644	0.0	0.0		1724	-0.1	0.0
	2225	6.1	1.9		2321	6.3	1.9
12	0526	-0.3	-0.1	27	0605	-0.4	-0.1
Th	1046	5.3	1.6	F	1143	5.2	1.6
	1730	0.0	0.0		1803	0.0	0.0
	2307	6.3	1.9				
13	0614	-0.3	-0.1	28	0002	6.2	1.9
F	1130	5.2	1.6	Sa	0645	-0.2	-0.1
	1814	0.1	0.0		1225	5.0	1.5
	2348	6.4	2.0		1844	0.2	0.1
14	0703	-0.3	-0.1	29	0039	6.0	1.8
Sa	1216	5.1	1.6	Su	0726	-0.1	0.0
	1900	0.1	0.0		1305	4.9	1.5
					1920	0.3	0.1
15	0033	6.4	2.0	30	0115	5.9	1.8
Su	0754	-0.2	-0.1	M	0805	0.1	0.0
	1305	5.0	1.5		1344	4.8	1.5
	1950	0.3	0.1		2001	0.5	0.2
				31	0149	5.8	1.8
				Tu	0845	0.3	0.1
					1422	4.8	1.5
					2040	0.6	0.2

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0226	5.7	1.7	16	0312	6.2	1.9
W	0927	0.4	0.1	Th	1013	-0.1	0.0
	1506	4.8	1.5		1600	5.5	1.7
	2128	0.8	0.2		2229	0.4	0.1
2	0306	5.7	1.7	17	0414	6.1	1.9
Th	1012	0.5	0.2	F	1107	0.0	0.0
	1554	4.9	1.5		1703	5.7	1.7
	2218	0.9	0.3		2331	0.5	0.2
3	0354	5.6	1.7	18	0518	5.9	1.8
F	1058	0.6	0.2	Sa	1201	0.1	0.0
	1647	5.0	1.5		1802	5.9	1.8
	2315	0.9	0.3				
4	0451	5.5	1.7	19	0031	0.4	0.1
Sa	1150	0.6	0.2	Su	0618	5.8	1.8
	1744	5.1	1.6		1255	0.1	0.0
					1858	6.2	1.9
5	0015	0.9	0.3	20	0132	0.3	0.1
Su	0551	5.4	1.6	M	0715	5.6	1.7
	1241	0.5	0.2		1347	0.1	0.0
	1841	5.4	1.6		1952	6.3	1.9
6	0115	0.7	0.2	21	0228	0.1	0.0
M	0650	5.3	1.6	Tu	0810	5.5	1.7
	1333	0.4	0.1		1439	0.0	0.0
	1932	5.6	1.7		2042	6.4	2.0
7	0217	0.5	0.2	22	0321	-0.1	0.0
Tu	0746	5.3	1.6	W	0901	5.4	1.6
	1428	0.3	0.1		1527	0.0	0.0
	2020	5.9	1.8		2129	6.4	2.0
8	0314	0.2	0.1	23	0411	-0.2	-0.1
W	0837	5.2	1.6	Th	0950	5.3	1.6
	1519	0.1	0.0		1614	0.0	0.0
	2109	6.1	1.9		2215	6.4	2.0
9	0410	0.0	0.0	24	0457	-0.2	-0.1
Th	0930	5.1	1.6	F	1036	5.1	1.6
	1611	0.0	0.0		1656	0.0	0.0
	2155	6.4	2.0		2257	6.2	1.9
10	0505	-0.3	-0.1	25	0541	-0.2	-0.1
F	1021	5.1	1.6	Sa	1119	5.0	1.5
	1701	0.0	0.0		1737	0.1	0.0
	2243	6.5	2.0		2337	6.1	1.9
11	0556	-0.4	-0.1	26	0621	-0.1	0.0
Sa	1111	5.1	1.6	Su	1200	4.9	1.5
	1753	-0.1	0.0		1817	0.2	0.1
	2332	6.6	2.0				
12	0647	-0.5	-0.2	27	0013	6.0	1.8
Su	1204	5.1	1.6	M	0659	0.0	0.0
	1845	0.0	0.0		1238	4.8	1.5
					1854	0.3	0.1
13	0022	6.6	2.0	28	0045	5.9	1.8
M	0738	-0.4	-0.1	Tu	0737	0.2	0.1
	1257	5.1	1.6		1313	4.8	1.5
	1938	0.1	0.0		1933	0.5	0.2
14	0115	6.5	2.0	29	0115	5.9	1.8
Tu	0829	-0.3	-0.1	W	0816	0.4	0.1
	1355	5.2	1.6		1345	4.8	1.5
	2033	0.2	0.1		2014	0.6	0.2
15	0211	6.4	2.0	30	0145	5.9	1.8
W	0920	-0.2	-0.1	Th	0854	0.5	0.2
	1456	5.3	1.6		1420	4.9	1.5
	2130	0.3	0.1		2056	0.8	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0222	5.9	1.8	16	0354	6.1	1.9
F	0933	0.6	0.2	Sa	1038	0.0	0.0
	1459	5.1	1.6		1638	6.0	1.8
	2143	0.9	0.3		2307	0.4	0.1
2	0306	5.8	1.8	17	0453	5.9	1.8
Sa	1014	0.6	0.2	Su	1129	0.1	0.0
	1546	5.2	1.6		1736	6.2	1.9
	2237	1.0	0.3				
3	0357	5.6	1.7	18	0006	0.5	0.2
Su	1102	0.6	0.2	M	0553	5.7	1.7
	1643	5.4	1.6		1222	0.2	0.1
	2339	1.0	0.3		1831	6.3	1.9
4	0453	5.5	1.7	19	0103	0.4	0.1
M	1151	0.6	0.2	Tu	0649	5.5	1.7
	1744	5.6	1.7		1315	0.2	0.1
					1925	6.3	1.9
5	0041	0.9	0.3	20	0159	0.3	0.1
Tu	0557	5.3	1.6	W	0744	5.4	1.6
	1248	0.5	0.2		1406	0.2	0.1
	1844	5.8	1.8		2017	6.4	2.0
6	0144	0.7	0.2	21	0253	0.2	0.1
W	0703	5.1	1.6	Th	0836	5.3	1.6
	1346	0.4	0.1		1456	0.1	0.0
	1942	6.1	1.9		2104	6.3	1.9
7	0247	0.4	0.1	22	0345	0.0	0.0
Th	0805	5.0	1.5	F	0926	5.2	1.6
	1444	0.2	0.1		1545	0.1	0.0
	2039	6.3	1.9		2150	6.3	1.9
8	0347	0.1	0.0	23	0430	0.0	0.0
F	0905	5.0	1.5	Sa	1013	5.1	1.6
	1544	0.1	0.0		1629	0.1	0.0
	2132	6.5	2.0		2233	6.2	1.9
9	0443	-0.2	-0.1	24	0513	0.0	0.0
Sa	1001	5.1	1.6	Su	1056	5.0	1.5
	1640	-0.1	0.0		1712	0.1	0.0
	2226	6.7	2.0		2312	6.1	1.9
10	0536	-0.4	-0.1	25	0555	0.0	0.0
Su	1056	5.2	1.6	M	1136	5.0	1.5
	1736	-0.2	-0.1		1753	0.2	0.1
	2317	6.7	2.0		2348	6.1	1.9
11	0628	-0.5	-0.2	26	0634	0.1	0.0
M	1151	5.3	1.6	Tu	1212	4.9	1.5
	1831	-0.2	-0.1		1832	0.3	0.1
12	0010	6.7	2.0	27	0018	6.0	1.8
Tu	0718	-0.5	-0.2	W	0711	0.3	0.1
	1247	5.4	1.6		1244	5.0	1.5
	1924	-0.1	0.0		1910	0.5	0.2
13	0104	6.7	2.0	28	0046	6.0	1.8
W	0808	-0.5	-0.2	Th	0747	0.4	0.1
	1342	5.6	1.7		1311	5.1	1.6
	2018	0.0	0.0		1949	0.6	0.2
14	0200	6.5	2.0	29	0114	6.0	1.8
Th	0858	-0.3	-0.1	F	0821	0.5	0.2
	1440	5.7	1.7		1337	5.2	1.6
	2115	0.1	0.0		2030	0.8	0.2
15	0256	6.3	1.9	30	0146	6.0	1.8
F	0946	-0.2	-0.1	Sa	0856	0.6	0.2
	1539	5.9	1.8		1414	5.4	1.6
	2210	0.3	0.1		2115	0.9	0.3
				31	0228	5.9	1.8
				Su	0933	0.7	0.2
					1459	5.6	1.7
					2205	1.0	0.3

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0315	5.7	1.7	16	0524	5.5	1.7
M	1010	0.7	0.2	Tu	1146	0.4	0.1
	1552	5.8	1.8		1801	6.2	1.9
	2306	1.1	0.3				
2	0412	5.4	1.6	17	0032	0.6	0.2
Tu	1101	0.7	0.2	W	0622	5.4	1.6
	1655	5.9	1.8		1239	0.4	0.1
					1856	6.2	1.9
3	0010	1.0	0.3	18	0128	0.5	0.2
W	0518	5.2	1.6	Th	0717	5.3	1.6
	1205	0.6	0.2		1332	0.4	0.1
	1804	6.0	1.8		1948	6.2	1.9
4	0119	0.8	0.2	19	0223	0.4	0.1
Th	0632	5.0	1.5	F	0810	5.2	1.6
	1310	0.5	0.2		1425	0.3	0.1
	1911	6.2	1.9		2037	6.2	1.9
5	0223	0.6	0.2	20	0313	0.3	0.1
F	0740	5.0	1.5	Sa	0900	5.2	1.6
	1419	0.3	0.1		1514	0.2	0.1
	2015	6.4	2.0		2124	6.2	1.9
6	0324	0.2	0.1	21	0401	0.1	0.0
Sa	0844	5.0	1.5	Su	0947	5.2	1.6
	1524	0.1	0.0		1601	0.1	0.0
	2113	6.6	2.0		2206	6.2	1.9
7	0421	-0.1	0.0	22	0443	0.1	0.0
Su	0944	5.2	1.6	M	1031	5.2	1.6
	1623	-0.1	0.0		1646	0.1	0.0
	2209	6.7	2.0		2246	6.2	1.9
8	0515	-0.4	-0.1	23	0526	0.1	0.0
M	1041	5.4	1.6	Tu	1110	5.2	1.6
	1720	-0.3	-0.1		1729	0.1	0.0
	2302	6.8	2.1		2320	6.1	1.9
9	0606	-0.5	-0.2	24	0604	0.1	0.0
Tu	1136	5.7	1.7	W	1145	5.2	1.6
	1815	-0.3	-0.1		1809	0.2	0.1
	2355	6.8	2.1		2352	6.0	1.8
10	0655	-0.5	-0.2	25	0642	0.3	0.1
W	1230	5.9	1.8	Th	1214	5.3	1.6
	1908	-0.3	-0.1		1849	0.4	0.1
11	0047	6.7	2.0	26	0018	6.0	1.8
Th	0743	-0.5	-0.2	F	0717	0.4	0.1
	1324	6.0	1.8		1239	5.4	1.6
	2001	-0.2	-0.1		1929	0.6	0.2
12	0139	6.5	2.0	27	0045	5.9	1.8
F	0830	-0.3	-0.1	Sa	0749	0.5	0.2
	1418	6.1	1.9		1307	5.6	1.7
	2051	0.0	0.0		2009	0.7	0.2
13	0233	6.3	1.9	28	0118	5.9	1.8
Sa	0917	-0.1	0.0	Su	0821	0.6	0.2
	1512	6.2	1.9		1342	5.8	1.8
	2146	0.2	0.1		2054	0.9	0.3
14	0329	6.0	1.8	29	0158	5.7	1.7
Su	1006	0.1	0.0	M	0853	0.7	0.2
	1608	6.2	1.9		1425	5.9	1.8
	2241	0.4	0.1		2144	1.0	0.3
15	0424	5.7	1.7	30	0246	5.5	1.7
M	1055	0.3	0.1	Tu	0931	0.7	0.2
	1704	6.2	1.9		1518	6.0	1.8
	2334	0.5	0.2		2241	1.1	0.3
				31	0341	5.3	1.6
				W	1024	0.7	0.2
					1623	6.0	1.8
					2347	1.0	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0452	5.0	1.5	16	0052	0.6	0.2
Th	1135	0.7	0.2	F	0646	5.1	1.6
	1735	6.0	1.8		1255	0.5	0.2
					1913	6.0	1.8
2	0055	0.9	0.3	17	0146	0.5	0.2
F	0610	4.9	1.5	Sa	0740	5.2	1.6
	1251	0.6	0.2		1350	0.4	0.1
	1849	6.1	1.9		2004	6.0	1.8
3	0201	0.6	0.2	18	0236	0.4	0.1
Sa	0723	5.0	1.5	Su	0831	5.2	1.6
	1403	0.4	0.1		1443	0.2	0.1
	1956	6.3	1.9		2052	6.1	1.9
4	0302	0.3	0.1	19	0326	0.2	0.1
Su	0831	5.2	1.6	M	0918	5.3	1.6
	1508	0.1	0.0		1533	0.1	0.0
	2057	6.5	2.0		2136	6.1	1.9
5	0359	-0.1	0.0	20	0411	0.1	0.0
M	0930	5.5	1.7	Tu	1003	5.4	1.6
	1609	-0.2	-0.1		1619	0.0	0.0
	2153	6.6	2.0		2216	6.1	1.9
6	0451	-0.3	-0.1	21	0454	0.0	0.0
Tu	1025	5.8	1.8	W	1042	5.4	1.6
	1704	-0.4	-0.1		1705	0.0	0.0
	2246	6.7	2.0		2251	6.0	1.8
7	0541	-0.5	-0.2	22	0533	0.1	0.0
W	1119	6.1	1.9	Th	1115	5.5	1.7
	1757	-0.5	-0.2		1747	0.1	0.0
	2337	6.7	2.0		2323	5.9	1.8
8	0629	-0.5	-0.2	23	0611	0.2	0.1
Th	1209	6.2	1.9	F	1143	5.5	1.7
	1848	-0.4	-0.1		1830	0.2	0.1
					2352	5.8	1.8
9	0027	6.5	2.0	24	0647	0.3	0.1
F	0714	-0.4	-0.1	Sa	1210	5.7	1.7
	1300	6.3	1.9		1910	0.3	0.1
	1939	-0.3	-0.1				
10	0117	6.3	1.9	25	0023	5.7	1.7
Sa	0759	-0.2	-0.1	Su	0719	0.4	0.1
	1349	6.3	1.9		1242	5.9	1.8
	2029	-0.1	0.0		1953	0.5	0.2
11	0208	6.0	1.8	26	0057	5.6	1.7
Su	0843	0.0	0.0	M	0753	0.5	0.2
	1440	6.3	1.9		1318	6.0	1.8
	2117	0.2	0.1		2039	0.7	0.2
12	0259	5.7	1.7	27	0137	5.4	1.6
M	0930	0.2	0.1	Tu	0826	0.6	0.2
	1533	6.2	1.9		1403	6.1	1.9
	2209	0.4	0.1		2131	0.8	0.2
13	0354	5.5	1.7	28	0226	5.2	1.6
Tu	1018	0.4	0.1	W	0910	0.7	0.2
	1627	6.0	1.8		1456	6.0	1.8
	2303	0.6	0.2		2227	0.9	0.3
14	0452	5.3	1.6	29	0325	5.0	1.5
W	1108	0.5	0.2	Th	1010	0.7	0.2
	1724	5.9	1.8		1602	6.0	1.8
	2355	0.7	0.2		2331	0.9	0.3
15	0550	5.1	1.6	30	0439	4.8	1.5
Th	1202	0.6	0.2	F	1126	0.8	0.2
	1821	5.9	1.8		1718	5.9	1.8

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0036	0.8	0.2
	0601	4.8	1.5
	1242	0.6	0.2
	1833	6.0	1.8
2 Su	0141	0.5	0.2
	0713	5.0	1.5
	1349	0.4	0.1
	1940	6.1	1.9
3 M	0241	0.2	0.1
	0817	5.4	1.6
	1453	0.1	0.0
	2041	6.3	1.9
4 Tu	0337	-0.1	0.0
	0914	5.7	1.7
	1553	-0.3	-0.1
	2135	6.4	2.0
5 W	0428	-0.4	-0.1
	1009	6.1	1.9
	1648	-0.5	-0.2
	2227	6.4	2.0
6 Th	0515	-0.5	-0.2
	1059	6.3	1.9
	1739	-0.6	-0.2
	2317	6.3	1.9
7 F	0601	-0.5	-0.2
	1147	6.4	2.0
	1830	-0.6	-0.2
8 Sa	0005	6.1	1.9
	0644	-0.4	-0.1
	1233	6.4	2.0
	1916	-0.4	-0.1
9 Su	0052	5.8	1.8
	0729	-0.2	-0.1
	1320	6.3	1.9
	2002	-0.2	-0.1
10 M	0142	5.6	1.7
	0811	0.0	0.0
	1409	6.1	1.9
	2048	0.1	0.0
11 Tu	0229	5.3	1.6
	0854	0.2	0.1
	1456	5.9	1.8
	2136	0.3	0.1
12 W	0322	5.1	1.6
	0939	0.4	0.1
	1549	5.7	1.7
	2225	0.5	0.2
13 Th	0415	4.9	1.5
	1029	0.5	0.2
	1642	5.6	1.7
	2316	0.6	0.2
14 F	0513	4.9	1.5
	1123	0.6	0.2
	1739	5.6	1.7
15 Sa	0011	0.6	0.2
	0611	4.9	1.5
	1218	0.5	0.2
	1834	5.6	1.7
16 Su	0104	0.5	0.2
	0706	5.0	1.5
	1314	0.4	0.1
	1927	5.7	1.7
17 M	0157	0.4	0.1
	0757	5.1	1.6
	1409	0.2	0.1
	2015	5.8	1.8
18 Tu	0247	0.2	0.1
	0845	5.2	1.6
	1502	0.1	0.0
	2100	5.8	1.8
19 W	0334	0.0	0.0
	0929	5.4	1.6
	1551	-0.1	0.0
	2142	5.7	1.7
20 Th	0419	-0.1	0.0
	1008	5.5	1.7
	1640	-0.2	-0.1
	2219	5.6	1.7
21 F	0500	-0.1	0.0
	1043	5.6	1.7
	1725	-0.2	-0.1
	2254	5.5	1.7
22 Sa	0539	-0.1	0.0
	1115	5.7	1.7
	1809	-0.1	0.0
	2328	5.4	1.6
23 Su	0618	0.0	0.0
	1145	5.8	1.8
	1854	0.0	0.0
24 M	0003	5.2	1.6
	0654	0.1	0.0
	1221	6.0	1.8
	1940	0.1	0.0
25 Tu	0041	5.1	1.6
	0733	0.2	0.1
	1301	6.0	1.8
	2027	0.3	0.1
26 W	0126	5.0	1.5
	0817	0.4	0.1
	1350	6.0	1.8
	2119	0.4	0.1
27 Th	0219	4.8	1.5
	0909	0.5	0.2
	1446	5.9	1.8
	2216	0.5	0.2
28 F	0322	4.7	1.4
	1013	0.6	0.2
	1554	5.8	1.8
	2316	0.5	0.2
29 Sa	0439	4.7	1.4
	1122	0.6	0.2
	1709	5.7	1.7
30 Su	0018	0.4	0.1
	0553	4.8	1.5
	1231	0.4	0.1
	1820	5.7	1.7
31 M	0119	0.2	0.1
	0702	5.1	1.6
	1337	0.2	0.1
	1925	5.8	1.8

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0217	0.0	0.0
	0803	5.5	1.7
	1439	-0.1	0.0
	2023	5.9	1.8
2 W	0311	-0.3	-0.1
	0858	5.9	1.8
	1538	-0.4	-0.1
	2118	5.9	1.8
3 Th	0402	-0.5	-0.2
	0949	6.1	1.9
	1631	-0.7	-0.2
	2209	5.8	1.8
4 F	0449	-0.6	-0.2
	1038	6.2	1.9
	1721	-0.8	-0.2
	2257	5.7	1.7
5 Sa	0533	-0.6	-0.2
	1124	6.3	1.9
	1808	-0.7	-0.2
	2345	5.5	1.7
6 Su	0616	-0.5	-0.2
	1208	6.2	1.9
	1854	-0.6	-0.2
7 M	0027	5.3	1.6
	0658	-0.3	-0.1
	1252	6.0	1.8
	1937	-0.4	-0.1
8 Tu	0113	5.1	1.6
	0739	-0.2	-0.1
	1334	5.8	1.8
	2019	-0.1	0.0
9 W	0159	4.9	1.5
	0819	0.0	0.0
	1418	5.6	1.7
	2103	0.1	0.0
10 Th	0245	4.7	1.4
	0903	0.2	0.1
	1504	5.5	1.7
	2149	0.3	0.1
11 F	0336	4.6	1.4
	0949	0.3	0.1
	1555	5.4	1.6
	2237	0.4	0.1
12 Sa	0431	4.6	1.4
	1041	0.4	0.1
	1650	5.3	1.6
	2327	0.4	0.1
13 Su	0528	4.6	1.4
	1137	0.4	0.1
	1745	5.3	1.6
14 M	0019	0.4	0.1
	0623	4.7	1.4
	1235	0.4	0.1
	1840	5.3	1.6
15 Tu	0112	0.3	0.1
	0717	4.9	1.5
	1332	0.2	0.1
	1930	5.3	1.6
16 W	0204	0.1	0.0
	0805	5.1	1.6
	1428	0.0	0.0
	2019	5.3	1.6
17 Th	0252	-0.1	0.0
	0848	5.3	1.6
	1521	-0.2	-0.1
	2103	5.3	1.6
18 F	0340	-0.2	-0.1
	0930	5.5	1.7
	1612	-0.3	-0.1
	2145	5.2	1.6
19 Sa	0425	-0.3	-0.1
	1009	5.6	1.7
	1702	-0.4	-0.1
	2226	5.0	1.5
20 Su	0508	-0.3	-0.1
	1047	5.8	1.8
	1750	-0.5	-0.2
	2306	4.9	1.5
21 M	0552	-0.3	-0.1
	1126	5.9	1.8
	1839	-0.4	-0.1
	2348	4.8	1.5
22 Tu	0635	-0.3	-0.1
	1207	5.9	1.8
	1925	-0.3	-0.1
23 W	0031	4.7	1.4
	0721	-0.2	-0.1
	1253	6.0	1.8
	2016	-0.2	-0.1
24 Th	0121	4.7	1.4
	0811	0.0	0.0
	1343	5.9	1.8
	2107	-0.1	0.0
25 F	0219	4.6	1.4
	0908	0.1	0.0
	1443	5.8	1.8
	2200	0.0	0.0
26 Sa	0323	4.6	1.4
	1008	0.2	0.1
	1549	5.6	1.7
	2258	0.1	0.0
27 Su	0434	4.7	1.4
	1112	0.2	0.1
	1657	5.5	1.7
	2356	0.0	0.0
28 M	0543	5.0	1.5
	1217	0.1	0.0
	1804	5.5	1.7
29 Tu	0054	-0.1	0.0
	0647	5.3	1.6
	1321	-0.1	0.0
	1906	5.4	1.6
30 W	0151	-0.2	-0.1
	0746	5.6	1.7
	1421	-0.3	-0.1
	2004	5.4	1.6

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0244	-0.4	-0.1
	0839	5.8	1.8
	1519	-0.6	-0.2
	2100	5.4	1.6
2 F	0334	-0.6	-0.2
	0929	6.0	1.8
	1611	-0.8	-0.2
	2150	5.3	1.6
3 Sa	0422	-0.7	-0.2
	1016	6.0	1.8
	1701	-0.8	-0.2
	2238	5.1	1.6
4 Su	0507	-0.7	-0.2
	1102	6.0	1.8
	1747	-0.8	-0.2
	2323	5.0	1.5
5 M	0549	-0.6	-0.2
	1146	5.8	1.8
	1829	-0.7	-0.2
6 Tu	0006	4.8	1.5
	0630	-0.5	-0.2
	1225	5.7	1.7
	1911	-0.5	-0.2
7 W	0048	4.7	1.4
	0709	-0.4	-0.1
	1305	5.5	1.7
	1950	-0.3	-0.1
8 Th	0130	4.5	1.4
	0748	-0.2	-0.1
	1345	5.4	1.6
	2030	-0.1	0.0
9 F	0209	4.5	1.4
	0830	0.0	0.0
	1422	5.3	1.6
	2111	0.1	0.0
10 Sa	0253	4.4	1.3
	0914	0.1	0.0
	1504	5.2	1.6
	2155	0.2	0.1
11 Su	0341	4.4	1.3
	1002	0.2	0.1
	1552	5.2	1.6
	2242	0.3	0.1
12 M	0433	4.5	1.4
	1056	0.3	0.1
	1645	5.1	1.6
	2332	0.2	0.1
13 Tu	0529	4.6	1.4
	1154	0.3	0.1
	1741	5.0	1.5
14 W	0024	0.2	0.1
	0622	4.8	1.5
	1253	0.2	0.1
	1836	4.9	1.5
15 Th	0117	0.1	0.0
	0717	5.0	1.5
	1352	0.1	0.0
	1932	4.8	1.5
16 F	0209	-0.1	0.0
	0804	5.2	1.6
	1450	-0.2	-0.1
	2023	4.8	1.5
17 Sa	0301	-0.3	-0.1
	0852	5.4	1.6
	1547	-0.4	-0.1
	2113	4.7	1.4
18 Su	0351	-0.4	-0.1
	0937	5.6	1.7
	1639	-0.6	-0.2
	2159	4.7	1.4
19 M	0441	-0.5	-0.2
	1022	5.7	1.7
	1732	-0.7	-0.2
	2247	4.6	1.4
20 Tu	0530	-0.6	-0.2
	1108	5.9	1.8
	1820	-0.8	-0.2
	2336	4.6	1.4
21 W	0619	-0.6	-0.2
	1155	5.9	1.8
	1909	-0.7	-0.2
22 Th	0025	4.7	1.4
	0711	-0.6	-0.2
	1246	5.9	1.8
	2000	-0.6	-0.2
23 F	0118	4.7	1.4
	0804	-0.5	-0.2
	1339	5.9	1.8
	2050	-0.5	-0.2
24 Sa	0215	4.8	1.5
	0859	-0.3	-0.1
	1436	5.7	1.7
	2143	-0.4	-0.1
25 Su	0317	4.9	1.5
	0957	-0.2	-0.1
	1539	5.6	1.7
	2236	-0.3	-0.1
26 M	0421	5.0	1.5
	1057	-0.1	0.0
	1642	5.4	1.6
	2330	-0.2	-0.1
27 Tu	0525	5.2	1.6
	1159	-0.1	0.0
	1745	5.2	1.6
28 W	0027	-0.2	-0.1
	0625	5.4	1.6
	1301	-0.2	-0.1
	1847	5.1	1.6
29 Th	0122	-0.3	-0.1
	0723	5.6	1.7
	1400	-0.4	-0.1
	1944	5.1	1.6
30 F	0216	-0.4	-0.1
	0818	5.7	1.7
	1457	-0.6	-0.2
	2039	5.0	1.5
31 Sa	0308	-0.5	-0.2
	0908	5.8	1.8
	1550	-0.7	-0.2
	2128	4.9	1.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0249	5.6	1.7
	0954	-0.6	-0.2
	1510	6.9	2.1
	2237	-0.8	-0.2
2 Su	0343	5.6	1.7
	1045	-0.6	-0.2
	1605	6.7	2.0
	2327	-0.8	-0.2
3 M	0440	5.6	1.7
	1137	-0.5	-0.2
	1700	6.5	2.0
4 Tu	0017	-0.7	-0.2
	0537	5.6	1.7
	1231	-0.4	-0.1
	1757	6.3	1.9
5 W	0106	-0.7	-0.2
	0636	5.6	1.7
	1324	-0.3	-0.1
	1855	6.0	1.8
6 Th	0156	-0.6	-0.2
	0735	5.7	1.7
	1420	-0.2	-0.1
	1954	5.7	1.7
7 F	0248	-0.5	-0.2
	0831	5.7	1.7
	1517	-0.1	0.0
	2050	5.5	1.7
8 Sa	0339	-0.4	-0.1
	0927	5.8	1.8
	1613	-0.1	0.0
	2145	5.4	1.6
9 Su	0430	-0.3	-0.1
	1018	5.9	1.8
	1708	-0.1	0.0
	2238	5.2	1.6
10 M	0520	-0.3	-0.1
	1108	5.9	1.8
	1800	-0.2	-0.1
	2329	5.2	1.6
11 Tu	0609	-0.2	-0.1
	1155	6.0	1.8
	1851	-0.2	-0.1
12 W	0016	5.1	1.6
	0656	-0.2	-0.1
	1240	6.0	1.8
	1939	-0.3	-0.1
13 Th	0103	5.1	1.6
	0741	-0.2	-0.1
	1321	6.0	1.8
	2024	-0.3	-0.1
14 F	0146	5.0	1.5
	0825	-0.2	-0.1
	1401	6.0	1.8
	2108	-0.3	-0.1
15 Sa	0227	4.9	1.5
	0908	-0.2	-0.1
	1439	5.9	1.8
	2150	-0.2	-0.1
16 Su	0306	4.9	1.5
	0949	-0.2	-0.1
	1515	5.9	1.8
	2230	-0.2	-0.1
17 M	0342	4.9	1.5
	1033	-0.2	-0.1
	1551	5.8	1.8
	2311	-0.2	-0.1
18 Tu	0418	4.9	1.5
	1117	-0.2	-0.1
	1623	5.7	1.7
	2352	-0.2	-0.1
19 W	0451	4.9	1.5
	1202	-0.1	0.0
	1701	5.5	1.7
20 Th	0034	-0.2	-0.1
	0532	5.0	1.5
	1252	-0.1	0.0
	1746	5.3	1.6
21 F	0117	-0.2	-0.1
	0621	5.1	1.6
	1347	0.0	0.0
	1841	5.1	1.6
22 Sa	0206	-0.2	-0.1
	0718	5.2	1.6
	1445	0.0	0.0
	1947	4.9	1.5
23 Su	0258	-0.2	-0.1
	0821	5.4	1.6
	1547	0.0	0.0
	2051	4.8	1.5
24 M	0356	-0.2	-0.1
	0923	5.6	1.7
	1649	0.0	0.0
	2152	4.9	1.5
25 Tu	0457	-0.3	-0.1
	1021	5.9	1.8
	1748	-0.2	-0.1
	2252	5.0	1.5
26 W	0556	-0.3	-0.1
	1119	6.3	1.9
	1848	-0.3	-0.1
	2350	5.2	1.6
27 Th	0653	-0.5	-0.2
	1214	6.6	2.0
	1942	-0.5	-0.2
28 F	0045	5.5	1.7
	0749	-0.6	-0.2
	1309	6.8	2.1
	2035	-0.6	-0.2
29 Sa	0138	5.7	1.7
	0842	-0.6	-0.2
	1401	6.9	2.1
	2127	-0.7	-0.2
30 Su	0232	5.9	1.8
	0935	-0.6	-0.2
	1452	6.9	2.1
	2214	-0.7	-0.2
31 M	0324	6.0	1.8
	1026	-0.6	-0.2
	1545	6.8	2.1
	2302	-0.7	-0.2

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0419	6.1	1.9
	1117	-0.5	-0.2
	1638	6.5	2.0
	2348	-0.6	-0.2
2 W	0512	6.0	1.8
	1207	-0.4	-0.1
	1732	6.2	1.9
3 Th	0034	-0.5	-0.2
	0607	5.9	1.8
	1259	-0.3	-0.1
	1827	5.8	1.8
4 F	0122	-0.4	-0.1
	0703	5.8	1.8
	1352	-0.2	-0.1
	1924	5.5	1.7
5 Sa	0211	-0.3	-0.1
	0757	5.7	1.7
	1446	-0.1	0.0
	2020	5.2	1.6
6 Su	0301	-0.3	-0.1
	0852	5.6	1.7
	1542	-0.1	0.0
	2117	5.0	1.5
7 M	0353	-0.2	-0.1
	0946	5.6	1.7
	1636	-0.1	0.0
	2211	4.9	1.5
8 Tu	0444	-0.2	-0.1
	1038	5.6	1.7
	1730	-0.1	0.0
	2303	4.9	1.5
9 W	0537	-0.2	-0.1
	1127	5.7	1.7
	1822	-0.2	-0.1
	2353	5.0	1.5
10 Th	0626	-0.2	-0.1
	1214	5.9	1.8
	1909	-0.2	-0.1
11 F	0040	5.1	1.6
	0714	-0.2	-0.1
	1257	6.0	1.8
	1957	-0.2	-0.1
12 Sa	0123	5.2	1.6
	0801	-0.2	-0.1
	1338	6.0	1.8
	2040	-0.2	-0.1
13 Su	0203	5.2	1.6
	0846	-0.2	-0.1
	1417	6.1	1.9
	2122	-0.1	0.0
14 M	0240	5.3	1.6
	0931	-0.2	-0.1
	1452	6.0	1.8
	2204	-0.1	0.0
15 Tu	0314	5.3	1.6
	1014	-0.2	-0.1
	1526	5.9	1.8
	2243	-0.1	0.0
16 W	0346	5.4	1.6
	1058	-0.1	0.0
	1559	5.8	1.8
	2322	-0.1	0.0
17 Th	0416	5.5	1.7
	1145	-0.1	0.0
	1635	5.6	1.7
18 F	0004	-0.1	0.0
	0456	5.5	1.7
	1233	-0.1	0.0
	1720	5.4	1.6
19 Sa	0047	-0.1	0.0
	0540	5.6	1.7
	1324	0.0	0.0
	1812	5.1	1.6
20 Su	0133	-0.1	0.0
	0642	5.6	1.7
	1422	0.1	0.0
	1916	4.9	1.5
21 M	0228	-0.1	0.0
	0748	5.6	1.7
	1524	0.1	0.0
	2024	4.8	1.5
22 Tu	0330	-0.1	0.0
	0854	5.8	1.8
	1627	0.1	0.0
	2131	4.9	1.5
23 W	0433	-0.1	0.0
	0959	6.0	1.8
	1727	0.0	0.0
	2233	5.2	1.6
24 Th	0535	-0.2	-0.1
	1059	6.3	1.9
	1824	-0.1	0.0
	2332	5.5	1.7
25 F	0634	-0.3	-0.1
	1156	6.7	2.0
	1920	-0.2	-0.1
26 Sa	0027	5.9	1.8
	0731	-0.3	-0.1
	1251	6.9	2.1
	2011	-0.3	-0.1
27 Su	0121	6.2	1.9
	0824	-0.4	-0.1
	1343	7.0	2.1
	2100	-0.4	-0.1
28 M	0212	6.5	2.0
	0915	-0.4	-0.1
	1433	7.0	2.1
	2148	-0.4	-0.1

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0303	6.6	2.0
	1005	-0.3	-0.1
	1524	6.9	2.1
	2232	-0.3	-0.1
2 W	0353	6.6	2.0
	1054	-0.3	-0.1
	1613	6.6	2.0
	2317	-0.2	-0.1
3 Th	0442	6.4	2.0
	1141	-0.2	-0.1
	1704	6.2	1.9
4 F	0002	-0.2	-0.1
	0533	6.2	1.9
	1231	-0.1	0.0
	1757	5.7	1.7
5 Sa	0046	-0.1	0.0
	0626	5.9	1.8
	1321	0.0	0.0
	1852	5.4	1.6
6 Su	0132	0.0	0.0
	0719	5.7	1.7
	1412	0.1	0.0
	1948	5.1	1.6
7 M	0222	0.0	0.0
	0815	5.6	1.7
	1505	0.1	0.0
	2045	4.9	1.5
8 Tu	0313	0.1	0.0
	0910	5.5	1.7
	1600	0.1	0.0
	2141	4.9	1.5
9 W	0409	0.1	0.0
	1004	5.6	1.7
	1656	0.1	0.0
	2234	5.0	1.5
10 Th	0502	0.0	0.0
	1057	5.8	1.8
	1747	0.1	0.0
	2325	5.2	1.6
11 F	0556	0.0	0.0
	1145	5.9	1.8
	1838	0.1	0.0
12 Sa	0012	5.4	1.6
	0648	0.0	0.0
	1230	6.1	1.9
	1926	0.1	0.0
13 Su	0055	5.6	1.7
	0736	0.0	0.0
	1312	6.2	1.9
	2010	0.1	0.0
14 M	0134	5.7	1.7
	0824	0.0	0.0
	1350	6.2	1.9
	2053	0.1	0.0
15 Tu	0210	5.9	1.8
	0909	0.0	0.0
	1426	6.2	1.9
	2135	0.2	0.1
16 W	0245	6.0	1.8
	0955	0.0	0.0
	1502	6.1	1.9
	2215	0.2	0.1
17 Th	0315	6.1	1.9
	1040	0.0	0.0
	1537	5.9	1.8
	2257	0.2	0.1
18 F	0349	6.1	1.9
	1127	0.0	0.0
	1615	5.7	1.7
	2338	0.1	0.0
19 Sa	0429	6.1	1.9
	1215	0.0	0.0
	1701	5.4	1.6
20 Su	0022	0.1	0.0
	0517	6.1	1.9
	1308	0.1	0.0
	1757	5.2	1.6
21 M	0111	0.1	0.0
	0619	6.0	1.8
	1404	0.2	0.1
	1903	5.0	1.5
22 Tu	0209	0.2	0.1
	0727	5.9	1.8
	1504	0.2	0.1
	2010	5.0	1.5
23 W	0311	0.2	0.1
	0836	6.0	1.8
	1605	0.2	0.1
	2116	5.2	1.6
24 Th	0415	0.2	0.1
	0942	6.2	1.9
	1704	0.2	0.1
	2217	5.6	1.7
25 F	0516	0.2	0.1
	1042	6.5	2.0
	1803	0.1	0.0
	2316	6.0	1.8
26 Sa	0616	0.1	0.0
	1139	6.8	2.1
	1855	0.1	0.0
27 Su	0011	6.5	2.0
	0713	0.0	0.0
	1233	7.0	2.1
	1946	0.0	0.0
28 M	0102	6.8	2.1
	0806	0.0	0.0
	1324	7.1	2.2
	2033	0.0	0.0
29 Tu	0152	7.0	2.1
	0856	0.0	0.0
	1413	7.0	2.1
	2119	0.1	0.0
30 W	0239	7.1	2.2
	0944	0.0	0.0
	1500	6.8	2.1
	2202	0.2	0.1
31 Th	0325	7.0	2.1
	1030	0.0	0.0
	1547	6.5	2.0
	2244	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0411	6.8	2.1	16	0327	6.7	2.0	1	0423	6.6	2.0	16	0358	7.0	2.1
F	1116	0.1	0.0	Sa	1109	0.0	0.0	Su	1133	0.3	0.1	M	1142	0.0	0.0
	1636	6.1	1.9		1600	5.7	1.7		1656	5.6	1.7		1638	5.6	1.7
	2327	0.3	0.1		2315	0.3	0.1		2335	0.6	0.2		2347	0.4	0.1
2	0457	6.4	2.0	17	0412	6.6	2.0	2	0507	6.3	1.9	17	0453	6.8	2.1
Sa	1202	0.1	0.0	Su	1200	0.1	0.0	M	1218	0.3	0.1	Tu	1234	0.0	0.0
	1725	5.7	1.7		1649	5.5	1.7		1746	5.3	1.6		1738	5.6	1.7
3	0010	0.3	0.1	18	0002	0.3	0.1	3	0018	0.6	0.2	18	0042	0.4	0.1
Su	0546	6.1	1.9	M	0503	6.5	2.0	Tu	0557	6.0	1.8	W	0554	6.6	2.0
	1248	0.2	0.1		1252	0.1	0.0		1304	0.4	0.1		1328	0.1	0.0
	1819	5.3	1.6		1746	5.3	1.6		1839	5.2	1.6		1841	5.6	1.7
4	0053	0.3	0.1	19	0055	0.3	0.1	4	0106	0.6	0.2	19	0138	0.5	0.2
M	0639	5.8	1.8	Tu	0605	6.3	1.9	W	0650	5.8	1.8	Th	0700	6.5	2.0
	1338	0.2	0.1		1347	0.2	0.1		1353	0.4	0.1		1423	0.2	0.1
	1914	5.1	1.6		1851	5.3	1.6		1935	5.1	1.6		1946	5.8	1.8
5	0142	0.4	0.1	20	0154	0.4	0.1	5	0159	0.6	0.2	20	0239	0.5	0.2
Tu	0734	5.7	1.7	W	0711	6.3	1.9	Th	0748	5.7	1.7	F	0805	6.4	2.0
	1430	0.3	0.1		1444	0.3	0.1		1445	0.5	0.2		1519	0.2	0.1
	2011	5.0	1.5		1958	5.4	1.6		2031	5.2	1.6		2048	6.1	1.9
6	0235	0.4	0.1	21	0256	0.5	0.2	6	0256	0.6	0.2	21	0340	0.6	0.2
W	0831	5.6	1.7	Th	0820	6.3	1.9	F	0846	5.8	1.8	Sa	0907	6.4	2.0
	1523	0.3	0.1		1543	0.3	0.1		1538	0.5	0.2		1615	0.2	0.1
	2108	5.1	1.6		2103	5.7	1.7		2126	5.5	1.7		2148	6.5	2.0
7	0331	0.4	0.1	22	0358	0.5	0.2	7	0355	0.6	0.2	22	0441	0.5	0.2
Th	0927	5.7	1.7	F	0925	6.4	2.0	Sa	0941	5.9	1.8	Su	1006	6.5	2.0
	1617	0.4	0.1		1641	0.3	0.1		1633	0.5	0.2		1709	0.3	0.1
	2202	5.3	1.6		2204	6.1	1.9		2217	5.8	1.8		2243	6.9	2.1
8	0428	0.4	0.1	23	0500	0.4	0.1	8	0452	0.6	0.2	23	0539	0.5	0.2
F	1021	5.9	1.8	Sa	1025	6.6	2.0	Su	1031	6.0	1.8	M	1102	6.6	2.0
	1711	0.4	0.1		1736	0.3	0.1		1724	0.5	0.2		1800	0.3	0.1
	2254	5.5	1.7		2300	6.6	2.0		2304	6.1	1.9		2334	7.2	2.2
9	0525	0.3	0.1	24	0558	0.4	0.1	9	0550	0.5	0.2	24	0632	0.4	0.1
Sa	1110	6.1	1.9	Su	1121	6.8	2.1	M	1120	6.1	1.9	Tu	1153	6.6	2.0
	1803	0.4	0.1		1829	0.3	0.1		1814	0.5	0.2		1849	0.4	0.1
	2340	5.8	1.8		2353	7.0	2.1		2346	6.4	2.0				
10	0619	0.3	0.1	25	0653	0.3	0.1	10	0643	0.4	0.1	25	0021	7.3	2.2
Su	1158	6.2	1.9	M	1214	6.9	2.1	Tu	1206	6.1	1.9	W	0724	0.3	0.1
	1851	0.4	0.1		1918	0.3	0.1		1902	0.5	0.2		1241	6.5	2.0
													1935	0.5	0.2
11	0024	6.1	1.9	26	0043	7.3	2.2	11	0028	6.7	2.0	26	0106	7.3	2.2
M	0710	0.2	0.1	Tu	0746	0.3	0.1	W	0734	0.3	0.1	Th	0812	0.3	0.1
	1240	6.3	1.9		1304	6.9	2.1		1248	6.1	1.9		1329	6.3	1.9
	1937	0.4	0.1		2005	0.4	0.1		1949	0.5	0.2		2019	0.6	0.2
12	0103	6.3	1.9	27	0129	7.4	2.3	12	0106	6.9	2.1	27	0148	7.2	2.2
Tu	0800	0.2	0.1	W	0834	0.2	0.1	Th	0825	0.1	0.0	F	0858	0.3	0.1
	1320	6.3	1.9		1350	6.7	2.0		1330	6.1	1.9		1413	6.1	1.9
	2022	0.4	0.1		2050	0.4	0.1		2035	0.4	0.1		2101	0.6	0.2
13	0139	6.5	2.0	28	0213	7.3	2.2	13	0146	7.0	2.1	28	0230	7.1	2.2
W	0847	0.1	0.0	Th	0921	0.2	0.1	F	0915	0.1	0.0	Sa	0940	0.3	0.1
	1359	6.2	1.9		1436	6.5	2.0		1411	6.0	1.8		1457	5.9	1.8
	2105	0.4	0.1		2132	0.5	0.2		2121	0.4	0.1		2142	0.7	0.2
14	0214	6.6	2.0	29	0257	7.2	2.2	14	0226	7.1	2.2	29	0310	6.8	2.1
Th	0934	0.1	0.0	F	1006	0.3	0.1	Sa	1003	0.0	0.0	Su	1024	0.3	0.1
	1436	6.1	1.9		1522	6.2	1.9		1457	5.9	1.8		1542	5.6	1.7
	2147	0.4	0.1		2213	0.6	0.2		2208	0.3	0.1		2221	0.7	0.2
15	0249	6.7	2.0	30	0339	6.9	2.1	15	0310	7.1	2.2	30	0351	6.6	2.0
F	1022	0.0	0.0	Sa	1051	0.3	0.1	Su	1053	0.0	0.0	M	1106	0.4	0.1
	1515	5.9	1.8		1608	5.9	1.8		1544	5.7	1.7		1626	5.4	1.6
	2230	0.3	0.1		2253	0.6	0.2		2255	0.3	0.1		2303	0.7	0.2
												31	0433	6.3	1.9
												Tu	1149	0.4	0.1
													1712	5.3	1.6
													2347	0.7	0.2

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0517	6.1	1.9	16	0025	0.3	0.1
W	1231	0.4	0.1	Th	0541	6.8	2.1
	1802	5.2	1.6		1306	-0.1	0.0
					1827	5.9	1.8
2	0034	0.7	0.2	17	0122	0.4	0.1
Th	0607	5.9	1.8	F	0644	6.5	2.0
	1319	0.4	0.1		1359	0.0	0.0
	1856	5.2	1.6		1930	6.1	1.9
3	0127	0.7	0.2	18	0220	0.5	0.2
F	0701	5.8	1.8	Sa	0746	6.4	2.0
	1407	0.4	0.1		1453	0.0	0.0
	1950	5.3	1.6		2030	6.3	1.9
4	0222	0.7	0.2	19	0319	0.5	0.2
Sa	0800	5.7	1.7	Su	0847	6.3	1.9
	1459	0.5	0.2		1546	0.1	0.0
	2043	5.5	1.7		2128	6.6	2.0
5	0322	0.7	0.2	20	0418	0.5	0.2
Su	0856	5.7	1.7	M	0945	6.2	1.9
	1551	0.5	0.2		1639	0.2	0.1
	2134	5.8	1.8		2221	6.8	2.1
6	0421	0.7	0.2	21	0516	0.4	0.1
M	0950	5.7	1.7	Tu	1040	6.1	1.9
	1644	0.5	0.2		1731	0.2	0.1
	2222	6.2	1.9		2311	7.0	2.1
7	0520	0.5	0.2	22	0609	0.3	0.1
Tu	1041	5.8	1.8	W	1131	6.1	1.9
	1737	0.4	0.1		1819	0.3	0.1
	2309	6.5	2.0		2358	7.1	2.2
8	0616	0.4	0.1	23	0701	0.2	0.1
W	1129	5.8	1.8	Th	1219	6.0	1.8
	1828	0.4	0.1		1905	0.4	0.1
	2351	6.8	2.1				
9	0709	0.2	0.1	24	0042	7.1	2.2
Th	1216	5.8	1.8	F	0747	0.2	0.1
	1917	0.4	0.1		1305	5.9	1.8
					1950	0.5	0.2
10	0036	7.1	2.2	25	0125	7.0	2.1
F	0802	0.1	0.0	Sa	0832	0.2	0.1
	1303	5.9	1.8		1351	5.7	1.7
	2006	0.3	0.1		2033	0.5	0.2
11	0119	7.2	2.2	26	0205	6.9	2.1
Sa	0852	0.0	0.0	Su	0915	0.3	0.1
	1349	5.9	1.8		1433	5.6	1.7
	2056	0.2	0.1		2113	0.6	0.2
12	0206	7.3	2.2	27	0244	6.7	2.0
Su	0942	-0.1	0.0	M	0957	0.3	0.1
	1439	5.9	1.8		1515	5.5	1.7
	2147	0.2	0.1		2155	0.6	0.2
13	0254	7.3	2.2	28	0323	6.5	2.0
M	1033	-0.1	0.0	Tu	1039	0.3	0.1
	1530	5.8	1.8		1557	5.4	1.6
	2237	0.2	0.1		2237	0.6	0.2
14	0345	7.2	2.2	29	0401	6.4	2.0
Tu	1123	-0.1	0.0	W	1120	0.4	0.1
	1626	5.8	1.8		1639	5.3	1.6
	2330	0.3	0.1		2320	0.6	0.2
15	0440	7.0	2.1	30	0440	6.2	1.9
W	1215	-0.1	0.0	Th	1202	0.4	0.1
	1725	5.8	1.8		1723	5.2	1.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0006	0.6	0.2	16	0102	0.3	0.1
F	0524	6.0	1.8	Sa	0624	6.5	2.0
	1244	0.3	0.1		1332	-0.1	0.0
	1810	5.3	1.6		1907	6.3	1.9
2	0058	0.7	0.2	17	0159	0.4	0.1
Sa	0612	5.8	1.8	Su	0724	6.2	1.9
	1330	0.3	0.1		1423	0.0	0.0
	1902	5.4	1.6		2006	6.4	2.0
3	0153	0.7	0.2	18	0256	0.4	0.1
Su	0710	5.6	1.7	M	0824	6.0	1.8
	1420	0.3	0.1		1515	0.0	0.0
	1954	5.6	1.7		2103	6.5	2.0
4	0250	0.7	0.2	19	0353	0.3	0.1
M	0809	5.5	1.7	Tu	0922	5.8	1.8
	1511	0.3	0.1		1608	0.1	0.0
	2048	5.8	1.8		2156	6.6	2.0
5	0351	0.6	0.2	20	0449	0.3	0.1
Tu	0906	5.4	1.6	W	1017	5.7	1.7
	1604	0.3	0.1		1658	0.1	0.0
	2139	6.1	1.9		2246	6.7	2.0
6	0450	0.5	0.2	21	0543	0.2	0.1
W	1002	5.4	1.6	Th	1107	5.7	1.7
	1700	0.3	0.1		1747	0.2	0.1
	2230	6.5	2.0		2334	6.8	2.1
7	0549	0.3	0.1	22	0633	0.2	0.1
Th	1054	5.5	1.7	F	1157	5.7	1.7
	1753	0.2	0.1		1835	0.3	0.1
	2319	6.8	2.1				
8	0645	0.2	0.1	23	0019	6.8	2.1
F	1148	5.6	1.7	Sa	0721	0.2	0.1
	1848	0.2	0.1		1243	5.6	1.7
					1921	0.4	0.1
9	0008	7.1	2.2	24	0101	6.8	2.1
Sa	0738	0.0	0.0	Su	0806	0.2	0.1
	1239	5.7	1.7		1328	5.6	1.7
	1940	0.1	0.0		2005	0.4	0.1
10	0057	7.3	2.2	25	0141	6.7	2.0
Su	0831	-0.1	0.0	M	0849	0.3	0.1
	1328	5.9	1.8		1410	5.6	1.7
	2034	0.1	0.0		2048	0.5	0.2
11	0147	7.4	2.3	26	0221	6.6	2.0
M	0921	-0.2	-0.1	Tu	0930	0.3	0.1
	1421	6.0	1.8		1449	5.5	1.7
	2126	0.1	0.0		2130	0.5	0.2
12	0238	7.4	2.3	27	0259	6.5	2.0
Tu	1011	-0.2	-0.1	W	1010	0.4	0.1
	1514	6.1	1.9		1528	5.5	1.7
	2219	0.1	0.0		2215	0.6	0.2
13	0331	7.3	2.2	28	0333	6.4	2.0
W	1101	-0.2	-0.1	Th	1051	0.4	0.1
	1610	6.2	1.9		1606	5.5	1.7
	2312	0.2	0.1		2258	0.6	0.2
14	0427	7.1	2.2	29	0408	6.2	1.9
Th	1151	-0.2	-0.1	F	1132	0.4	0.1
	1707	6.2	1.9		1642	5.5	1.7
					2344	0.6	0.2
15	0006	0.3	0.1	30	0445	6.0	1.8
F	0525	6.8	2.1	Sa	1213	0.3	0.1
	1241	-0.2	-0.1		1724	5.5	1.7
	1807	6.3	1.9				
				31	0034	0.6	0.2
				Su	0528	5.7	1.7
					1256	0.3	0.1
					1809	5.6	1.7

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0126	0.6	0.2	16	0229	0.3	0.1
M	0621	5.5	1.7	Tu	0759	5.7	1.7
	1342	0.3	0.1		1441	0.1	0.0
	1901	5.7	1.7		2033	6.3	1.9
2	0223	0.6	0.2	17	0324	0.3	0.1
Tu	0724	5.2	1.6	W	0856	5.5	1.7
	1433	0.2	0.1		1533	0.1	0.0
	2000	5.9	1.8		2127	6.3	1.9
3	0324	0.5	0.2	18	0419	0.2	0.1
W	0827	5.1	1.6	Th	0951	5.4	1.6
	1529	0.2	0.1		1624	0.2	0.1
	2059	6.1	1.9		2218	6.4	2.0
4	0423	0.4	0.1	19	0512	0.2	0.1
Th	0928	5.2	1.6	F	1044	5.5	1.7
	1625	0.2	0.1		1715	0.2	0.1
	2155	6.4	2.0		2307	6.5	2.0
5	0522	0.3	0.1	20	0603	0.2	0.1
F	1026	5.3	1.6	Sa	1133	5.6	1.7
	1724	0.2	0.1		1806	0.2	0.1
	2251	6.8	2.1		2354	6.6	2.0
6	0619	0.2	0.1	21	0651	0.2	0.1
Sa	1123	5.6	1.7	Su	1219	5.7	1.7
	1822	0.1	0.0		1853	0.3	0.1
	2345	7.1	2.2				
7	0715	0.1	0.0	22	0036	6.7	2.0
Su	1216	5.9	1.8	M	0737	0.2	0.1
	1919	0.1	0.0		1304	5.7	1.7
					1940	0.4	0.1
8	0038	7.4	2.3	23	0118	6.7	2.0
M	0807	-0.1	0.0	Tu	0820	0.3	0.1
	1309	6.1	1.9		1344	5.8	1.8
	2014	0.1	0.0		2024	0.4	0.1
9	0130	7.5	2.3	24	0157	6.7	2.0
Tu	0858	-0.1	0.0	W	0902	0.4	0.1
	1402	6.4	2.0		1424	5.8	1.8
	2107	0.1	0.0		2110	0.5	0.2
10	0221	7.5	2.3	25	0234	6.5	2.0
W	0947	-0.2	-0.1	Th	0942	0.4	0.1
	1454	6.5	2.0		1459	5.8	1.8
	2200	0.1	0.0		2154	0.5	0.2
11	0314	7.4	2.3	26	0307	6.4	2.0
Th	1036	-0.2	-0.1	F	1023	0.4	0.1
	1550	6.6	2.0		1533	5.8	1.8
	2253	0.2	0.1		2239	0.6	0.2
12	0408	7.1	2.2	27	0339	6.1	1.9
F	1124	-0.1	0.0	Sa	1102	0.4	0.1
	1645	6.6	2.0		1606	5.8	1.8
	2346	0.2	0.1		2325	0.6	0.2
13	0503	6.7	2.0	28	0416	5.9	1.8
Sa	1213	-0.1	0.0	Su	1144	0.4	0.1
	1741	6.5	2.0		1638	5.8	1.8
14	0040	0.3	0.1	29	0013	0.5	0.2
Su	0600	6.3	1.9	M	0453	5.6	1.7
	1300	0.0	0.0		1225	0.3	0.1
	1839	6.4	2.0		1721	5.9	1.8
15	0133	0.3	0.1	30	0104	0.5	0.2
M	0659	5.9	1.8	Tu	0545	5.3	1.6
	1351	0.0	0.0		1309	0.3	0.1
	1935	6.4	2.0		1815	5.9	1.8
				31	0200	0.5	0.2
				W	0648	5.1	1.6
					1402	0.2	0.1
					1921	6.0	1.8

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0258	0.5	0.2	16	0344	0.3	0.1
Th	0757	5.0	1.5	F	0922	5.3	1.6
	1500	0.2	0.1		1550	0.3	0.1
	2027	6.2	1.9		2147	6.2	1.9
2	0359	0.4	0.1	17	0438	0.3	0.1
F	0902	5.1	1.6	Sa	1017	5.4	1.6
	1601	0.2	0.1		1641	0.3	0.1
	2130	6.4	2.0		2238	6.3	1.9
3	0458	0.4	0.1	18	0529	0.3	0.1
Sa	1003	5.4	1.6	Su	1105	5.6	1.7
	1701	0.2	0.1		1734	0.3	0.1
	2230	6.8	2.1		2325	6.5	2.0
4	0555	0.3	0.1	19	0617	0.3	0.1
Su	1102	5.8	1.8	M	1152	5.8	1.8
	1803	0.2	0.1		1825	0.3	0.1
	2325	7.1	2.2				
5	0651	0.2	0.1	20	0011	6.6	2.0
M	1158	6.2	1.9	Tu	0704	0.3	0.1
	1859	0.2	0.1		1237	6.0	1.8
					1914	0.4	0.1
6	0019	7.4	2.3	21	0051	6.6	2.0
Tu	0742	0.1	0.0	W	0748	0.3	0.1
	1251	6.6	2.0		1317	6.1	1.9
	1955	0.1	0.0		2001	0.4	0.1
7	0111	7.5	2.3	22	0131	6.6	2.0
W	0833	0.0	0.0	Th	0832	0.4	0.1
	1343	6.8	2.1		1355	6.1	1.9
	2048	0.2	0.1		2048	0.4	0.1
8	0202	7.5	2.3	23	0209	6.4	2.0
Th	0922	0.0	0.0	F	0913	0.4	0.1
	1435	7.0	2.1		1430	6.2	1.9
	2141	0.2	0.1		2133	0.4	0.1
9	0254	7.3	2.2	24	0242	6.2	1.9
F	1008	0.0	0.0	Sa	0955	0.5	0.2
	1526	7.0	2.1		1500	6.2	1.9
	2232	0.2	0.1		2220	0.4	0.1
10	0346	6.9	2.1	25	0317	6.0	1.8
Sa	1056	0.1	0.0	Su	1034	0.4	0.1
	1619	6.9	2.1		1529	6.2	1.9
	2323	0.3	0.1		2307	0.4	0.1
11	0439	6.5	2.0	26	0351	5.7	1.7
Su	1141	0.1	0.0	M	1116	0.4	0.1
	1712	6.7	2.0		1609	6.2	1.9
					2356	0.4	0.1
12	0015	0.3	0.1	27	0433	5.4	1.6
M	0534	6.1	1.9	Tu	1159	0.3	0.1
	1228	0.2	0.1		1652	6.2	1.9
	1807	6.5	2.0				
13	0106	0.3	0.1	28	0047	0.4	0.1
Tu	0631	5.7	1.7	W	0523	5.2	1.6
	1317	0.2	0.1		1247	0.3	0.1
	1903	6.2	1.9		1748	6.1	1.9
14	0159	0.3	0.1	29	0140	0.4	0.1
W	0729	5.4	1.6	Th	0629	5.0	1.5
	1406	0.2	0.1		1340	0.3	0.1
	1958	6.1	1.9		1855	6.1	1.9
15	0251	0.3	0.1	30	0237	0.4	0.1
Th	0828	5.3	1.6	F	0737	5.0	1.5
	1457	0.3	0.1		1439	0.3	0.1
	2054	6.1	1.9		2003	6.2	1.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0335	0.4	0.1	16	0359	0.3	0.1
Sa	0843	5.2	1.6	Su	0945	5.4	1.6
	1540	0.3	0.1		1607	0.3	0.1
	2108	6.4	2.0		2202	6.1	1.9
2	0434	0.3	0.1	17	0451	0.3	0.1
Su	0946	5.6	1.7	M	1034	5.6	1.7
	1643	0.3	0.1		1702	0.3	0.1
	2209	6.7	2.0		2252	6.3	1.9
3	0531	0.3	0.1	18	0541	0.3	0.1
M	1044	6.1	1.9	Tu	1123	5.9	1.8
	1745	0.3	0.1		1755	0.3	0.1
	2306	7.0	2.1		2338	6.4	2.0
4	0625	0.2	0.1	19	0628	0.3	0.1
Tu	1140	6.5	2.0	W	1206	6.1	1.9
	1842	0.2	0.1		1847	0.3	0.1
5	0000	7.2	2.2	20	0021	6.4	2.0
W	0717	0.1	0.0	Th	0715	0.3	0.1
	1233	6.9	2.1		1246	6.2	1.9
	1937	0.2	0.1		1937	0.3	0.1
6	0053	7.3	2.2	21	0102	6.3	1.9
Th	0806	0.1	0.0	F	0800	0.3	0.1
	1323	7.2	2.2		1325	6.3	1.9
	2030	0.2	0.1		2027	0.3	0.1
7	0144	7.2	2.2	22	0141	6.1	1.9
F	0854	0.1	0.0	Sa	0843	0.3	0.1
	1413	7.3	2.2		1358	6.4	2.0
	2122	0.2	0.1		2113	0.2	0.1
8	0233	6.9	2.1	23	0217	5.9	1.8
Sa	0941	0.2	0.1	Su	0926	0.3	0.1
	1501	7.2	2.2		1432	6.4	2.0
	2211	0.2	0.1		2201	0.2	0.1
9	0323	6.6	2.0	24	0255	5.7	1.7
Su	1026	0.2	0.1	M	1008	0.3	0.1
	1551	7.0	2.1		1508	6.4	2.0
	2300	0.3	0.1		2248	0.2	0.1
10	0414	6.2	1.9	25	0334	5.4	1.6
M	1110	0.3	0.1	Tu	1052	0.2	0.1
	1639	6.7	2.0		1549	6.4	2.0
	2348	0.3	0.1		2337	0.2	0.1
11	0505	5.8	1.8	26	0419	5.2	1.6
Tu	1155	0.3	0.1	W	1138	0.2	0.1
	1730	6.4	2.0		1635	6.3	1.9
12	0036	0.3	0.1	27	0028	0.2	0.1
W	0601	5.4	1.6	Th	0514	5.1	1.6
	1242	0.3	0.1		1229	0.2	0.1
	1823	6.1	1.9		1733	6.2	1.9
13	0127	0.3	0.1	28	0122	0.2	0.1
Th	0658	5.2	1.6	F	0617	5.0	1.5
	1329	0.3	0.1		1324	0.2	0.1
	1919	5.9	1.8		1837	6.2	1.9
14	0216	0.3	0.1	29	0216	0.2	0.1
F	0754	5.1	1.6	Sa	0724	5.1	1.6
	1420	0.3	0.1		1422	0.3	0.1
	2016	5.9	1.8		1945	6.2	1.9
15	0308	0.3	0.1	30	0313	0.2	0.1
Sa	0850	5.2	1.6	Su	0828	5.4	1.6
	1513	0.3	0.1		1525	0.3	0.1
	2110	6.0	1.8		2050	6.4	2.0
				31	0409	0.1	0.0
				M	0930	5.8	1.8
					1626	0.3	0.1
					2152	6.5	2.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0505	0.1	0.0	16	0502	0.1	0.0
Tu	1028	6.3	1.9	W	1046	5.7	1.7
	1726	0.3	0.1		1725	0.2	0.1
	2248	6.7	2.0		2302	5.9	1.8
2	0600	0.1	0.0	17	0551	0.1	0.0
W	1123	6.7	2.0	Th	1129	6.0	1.8
	1824	0.2	0.1		1819	0.1	0.0
	2343	6.8	2.1		2347	5.8	1.8
3	0651	0.1	0.0	18	0640	0.1	0.0
Th	1213	7.0	2.1	F	1211	6.1	1.9
	1919	0.1	0.0		1912	0.1	0.0
4	0033	6.8	2.1	19	0030	5.7	1.7
F	0739	0.1	0.0	Sa	0727	0.1	0.0
	1302	7.2	2.2		1251	6.3	1.9
	2011	0.1	0.0		2003	0.0	0.0
5	0124	6.6	2.0	20	0112	5.6	1.7
Sa	0827	0.1	0.0	Su	0813	0.1	0.0
	1351	7.2	2.2		1329	6.4	2.0
	2101	0.1	0.0		2052	-0.1	0.0
6	0212	6.4	2.0	21	0153	5.5	1.7
Su	0912	0.2	0.1	M	0900	0.0	0.0
	1436	7.0	2.1		1407	6.5	2.0
	2149	0.1	0.0		2141	-0.1	0.0
7	0300	6.0	1.8	22	0234	5.3	1.6
M	0956	0.2	0.1	Tu	0945	0.0	0.0
	1522	6.8	2.1		1449	6.5	2.0
	2235	0.1	0.0		2230	-0.2	-0.1
8	0349	5.7	1.7	23	0319	5.2	1.6
Tu	1039	0.3	0.1	W	1032	-0.1	0.0
	1608	6.5	2.0		1534	6.5	2.0
	2320	0.2	0.1		2320	-0.2	-0.1
9	0437	5.4	1.6	24	0407	5.1	1.6
W	1122	0.3	0.1	Th	1121	-0.1	0.0
	1655	6.2	1.9		1625	6.4	2.0
10	0005	0.2	0.1	25	0009	-0.2	-0.1
Th	0528	5.1	1.6	F	0504	5.1	1.6
	1205	0.3	0.1		1213	-0.1	0.0
	1746	5.9	1.8		1722	6.3	1.9
11	0051	0.2	0.1	26	0102	-0.2	-0.1
F	0623	5.0	1.5	Sa	0605	5.1	1.6
	1253	0.3	0.1		1309	0.0	0.0
	1839	5.8	1.8		1826	6.2	1.9
12	0139	0.2	0.1	27	0155	-0.2	-0.1
Sa	0718	4.9	1.5	Su	0709	5.3	1.6
	1343	0.3	0.1		1407	0.0	0.0
	1935	5.7	1.7		1929	6.1	1.9
13	0228	0.1	0.0	28	0249	-0.2	-0.1
Su	0814	5.0	1.5	M	0812	5.6	1.7
	1435	0.3	0.1		1507	0.1	0.0
	2029	5.7	1.7		2032	6.1	1.9
14	0318	0.1	0.0	29	0344	-0.2	-0.1
M	0907	5.2	1.6	Tu	0913	5.9	1.8
	1532	0.3	0.1		1608	0.1	0.0
	2124	5.8	1.8		2132	6.2	1.9
15	0410	0.1	0.0	30	0439	-0.2	-0.1
Tu	0957	5.5	1.7	W	1010	6.3	1.9
	1628	0.3	0.1		1708	0.1	0.0
	2214	5.8	1.8		2229	6.2	1.9

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0532	-0.2	-0.1	16	0513	-0.1	0.0
Th	1104	6.6	2.0	F	1050	5.7	1.7
	1806	0.0	0.0		1750	0.0	0.0
	2324	6.1	1.9		2310	5.2	1.6
2	0624	-0.1	0.0	17	0604	-0.1	0.0
F	1154	6.8	2.1	Sa	1135	5.9	1.8
	1900	-0.1	0.0		1845	-0.1	0.0
					2358	5.2	1.6
3	0015	6.0	1.8	18	0654	-0.2	-0.1
Sa	0713	-0.1	0.0	Su	1219	6.1	1.9
	1243	6.8	2.1		1939	-0.3	-0.1
	1951	-0.1	0.0				
4	0105	5.9	1.8	19	0043	5.1	1.6
Su	0800	0.0	0.0	M	0746	-0.2	-0.1
	1328	6.8	2.1		1301	6.3	1.9
	2039	-0.1	0.0		2031	-0.4	-0.1
5	0152	5.7	1.7	20	0128	5.2	1.6
M	0845	0.0	0.0	Tu	0835	-0.3	-0.1
	1413	6.6	2.0		1346	6.5	2.0
	2125	-0.1	0.0		2121	-0.4	-0.1
6	0238	5.5	1.7	21	0215	5.2	1.6
Tu	0928	0.1	0.0	W	0924	-0.4	-0.1
	1457	6.4	2.0		1433	6.5	2.0
	2209	-0.1	0.0		2210	-0.5	-0.2
7	0324	5.3	1.6	22	0304	5.2	1.6
W	1011	0.1	0.0	Th	1014	-0.4	-0.1
	1540	6.2	1.9		1522	6.5	2.0
	2253	0.0	0.0		2259	-0.5	-0.2
8	0411	5.1	1.6	23	0356	5.3	1.6
Th	1051	0.1	0.0	F	1104	-0.4	-0.1
	1623	6.0	1.8		1614	6.5	2.0
	2335	0.0	0.0		2348	-0.6	-0.2
9	0457	4.9	1.5	24	0452	5.3	1.6
F	1134	0.1	0.0	Sa	1157	-0.4	-0.1
	1709	5.8	1.8		1711	6.3	1.9
10	0018	0.0	0.0	25	0039	-0.6	-0.2
Sa	0546	4.8	1.5	Su	0551	5.4	1.6
	1218	0.1	0.0		1252	-0.3	-0.1
	1759	5.7	1.7		1810	6.2	1.9
11	0102	-0.1	0.0	26	0130	-0.5	-0.2
Su	0637	4.8	1.5	M	0652	5.5	1.7
	1307	0.1	0.0		1348	-0.2	-0.1
	1850	5.5	1.7		1911	6.0	1.8
12	0148	-0.1	0.0	27	0223	-0.5	-0.2
M	0731	4.9	1.5	Tu	0753	5.7	1.7
	1359	0.1	0.0		1448	-0.1	0.0
	1943	5.4	1.6		2013	5.8	1.8
13	0237	-0.1	0.0	28	0316	-0.5	-0.2
Tu	0824	5.0	1.5	W	0852	5.9	1.8
	1456	0.1	0.0		1548	-0.1	0.0
	2037	5.3	1.6		2112	5.7	1.7
14	0327	-0.1	0.0	29	0410	-0.4	-0.1
W	0915	5.2	1.6	Th	0948	6.1	1.9
	1555	0.1	0.0		1647	-0.1	0.0
	2132	5.3	1.6		2210	5.6	1.7
15	0420	-0.1	0.0	30	0504	-0.4	-0.1
Th	1003	5.4	1.6	F	1044	6.2	1.9
	1654	0.1	0.0		1743	-0.2	-0.1
	2223	5.2	1.6		2304	5.5	1.7
				31	0555	-0.3	-0.1
				Sa	1135	6.3	1.9
					1838	-0.2	-0.1
					2355	5.4	1.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0237	-0.4	-0.1	16 Su	0248	-0.2	-0.1
	0748	0.4	0.1		0754	0.3	0.1
	1345	-0.7	-0.2		1353	-0.5	-0.2
	2047	1.2	0.4		2049	0.8	0.2
2 Su	0327	-0.4	-0.1	17 M	0319	-0.3	-0.1
	0847	0.4	0.1		0838	0.3	0.1
	1442	-0.7	-0.2		1435	-0.5	-0.2
	2137	1.1	0.3		2121	0.8	0.2
3 M	0416	-0.4	-0.1	18 Tu	0351	-0.3	-0.1
	0948	0.5	0.2		0924	0.4	0.1
	1542	-0.6	-0.2		1517	-0.4	-0.1
	2229	1.0	0.3		2157	0.7	0.2
4 Tu	0503	-0.4	-0.1	19 W	0424	-0.3	-0.1
	1051	0.5	0.2		1012	0.4	0.1
	1646	-0.5	-0.2		1608	-0.3	-0.1
	2320	0.8	0.2		2233	0.6	0.2
5 W	0552	-0.4	-0.1	20 Th	0503	-0.4	-0.1
	1157	0.6	0.2		1108	0.5	0.2
	1757	-0.3	-0.1		1703	-0.3	-0.1
					2313	0.6	0.2
6 Th	0013	0.7	0.2	21 F	0541	-0.4	-0.1
	0643	-0.5	-0.2		1207	0.5	0.2
	1305	0.6	0.2		1806	-0.2	-0.1
	1910	-0.3	-0.1		2355	0.5	0.2
7 F	0105	0.6	0.2	22 Sa	0624	-0.5	-0.2
	0729	-0.5	-0.2		1309	0.6	0.2
	1411	0.7	0.2		1918	-0.2	-0.1
	2027	-0.2	-0.1				
8 Sa	0201	0.4	0.1	23 Su	0047	0.4	0.1
	0816	-0.5	-0.2		0714	-0.5	-0.2
	1514	0.8	0.2		1414	0.7	0.2
	2138	-0.2	-0.1		2032	-0.1	0.0
9 Su	0250	0.3	0.1	24 M	0143	0.3	0.1
	0904	-0.5	-0.2		0804	-0.6	-0.2
	1610	0.8	0.2		1517	0.9	0.3
	2244	-0.2	-0.1		2144	-0.2	-0.1
10 M	0341	0.3	0.1	25 Tu	0245	0.3	0.1
	0950	-0.6	-0.2		0901	-0.7	-0.2
	1701	0.9	0.3		1613	1.0	0.3
	2339	-0.2	-0.1		2248	-0.2	-0.1
11 Tu	0427	0.2	0.1	26 W	0346	0.3	0.1
	1033	-0.6	-0.2		0957	-0.7	-0.2
	1748	0.9	0.3		1709	1.1	0.3
					2347	-0.3	-0.1
12 W	0027	-0.2	-0.1	27 Th	0447	0.3	0.1
	0509	0.2	0.1		1052	-0.8	-0.2
	1114	-0.6	-0.2		1801	1.1	0.3
	1830	0.9	0.3				
13 Th	0106	-0.2	-0.1	28 F	0037	-0.3	-0.1
	0553	0.2	0.1		0545	0.4	0.1
	1156	-0.6	-0.2		1149	-0.8	-0.2
	1907	0.9	0.3		1851	1.2	0.4
14 F	0141	-0.2	-0.1	29 Sa	0126	-0.4	-0.1
	0633	0.3	0.1		0643	0.4	0.1
	1235	-0.6	-0.2		1245	-0.8	-0.2
	1941	0.9	0.3		1940	1.1	0.3
15 Sa	0216	-0.2	-0.1	30 Su	0211	-0.4	-0.1
	0715	0.3	0.1		0738	0.5	0.2
	1314	-0.5	-0.2		1342	-0.8	-0.2
	2017	0.9	0.3		2029	1.1	0.3
				31 M	0253	-0.5	-0.2
					0833	0.6	0.2
					1438	-0.7	-0.2
					2115	1.0	0.3

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0337	-0.5	-0.2	16 W	0303	-0.3	-0.1
	0930	0.6	0.2		0858	0.6	0.2
	1535	-0.6	-0.2		1504	-0.4	-0.1
	2203	0.8	0.2		2121	0.7	0.2
2 W	0422	-0.5	-0.2	17 Th	0335	-0.3	-0.1
	1027	0.6	0.2		0943	0.6	0.2
	1636	-0.5	-0.2		1553	-0.3	-0.1
	2251	0.7	0.2		2158	0.6	0.2
3 Th	0507	-0.5	-0.2	18 F	0412	-0.4	-0.1
	1127	0.7	0.2		1036	0.7	0.2
	1739	-0.3	-0.1		1647	-0.2	-0.1
	2337	0.5	0.2		2238	0.5	0.2
4 F	0554	-0.5	-0.2	19 Sa	0451	-0.4	-0.1
	1231	0.7	0.2		1130	0.7	0.2
	1850	-0.2	-0.1		1749	-0.1	0.0
					2323	0.5	0.2
5 Sa	0026	0.4	0.1	20 Su	0539	-0.4	-0.1
	0642	-0.5	-0.2		1234	0.8	0.2
	1336	0.7	0.2		1859	-0.1	0.0
	2000	-0.2	-0.1				
6 Su	0118	0.3	0.1	21 M	0018	0.4	0.1
	0733	-0.5	-0.2		0635	-0.5	-0.2
	1442	0.8	0.2		1342	0.9	0.3
	2114	-0.1	0.0		2015	-0.1	0.0
7 M	0214	0.3	0.1	22 Tu	0121	0.4	0.1
	0829	-0.5	-0.2		0736	-0.5	-0.2
	1541	0.8	0.2		1448	1.0	0.3
	2217	-0.1	0.0		2127	-0.1	0.0
8 Tu	0309	0.3	0.1	23 W	0230	0.4	0.1
	0919	-0.5	-0.2		0840	-0.5	-0.2
	1635	0.8	0.2		1553	1.0	0.3
	2306	-0.1	0.0		2230	-0.2	-0.1
9 W	0359	0.3	0.1	24 Th	0336	0.4	0.1
	1010	-0.5	-0.2		0945	-0.6	-0.2
	1724	0.8	0.2		1651	1.1	0.3
	2354	-0.1	0.0		2322	-0.2	-0.1
10 Th	0450	0.3	0.1	25 F	0442	0.5	0.2
	1059	-0.5	-0.2		1047	-0.6	-0.2
	1803	0.9	0.3		1744	1.1	0.3
11 F	0030	-0.1	0.0	26 Sa	0010	-0.3	-0.1
	0535	0.3	0.1		0538	0.6	0.2
	1141	-0.5	-0.2		1146	-0.6	-0.2
	1842	0.9	0.3		1833	1.1	0.3
12 Sa	0105	-0.2	-0.1	27 Su	0053	-0.3	-0.1
	0615	0.4	0.1		0632	0.7	0.2
	1223	-0.5	-0.2		1245	-0.6	-0.2
	1914	0.8	0.2		1921	1.1	0.3
13 Su	0134	-0.2	-0.1	28 M	0135	-0.3	-0.1
	0657	0.4	0.1		0724	0.8	0.2
	1302	-0.5	-0.2		1338	-0.6	-0.2
	1949	0.8	0.2		2006	1.0	0.3
14 M	0206	-0.2	-0.1				
	0736	0.5	0.2				
	1340	-0.5	-0.2				
	2020	0.8	0.2				
15 Tu	0234	-0.3	-0.1				
	0816	0.5	0.2				
	1422	-0.4	-0.1				
	2051	0.7	0.2				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0216	-0.4	-0.1	16 W	0145	-0.2	-0.1
	0816	0.9	0.3		0755	0.9	0.3
	1433	-0.5	-0.2		1411	-0.3	-0.1
	2051	0.9	0.3		2019	0.8	0.2
2 W	0255	-0.4	-0.1	17 Th	0215	-0.2	-0.1
	0905	0.9	0.3		0836	1.0	0.3
	1524	-0.4	-0.1		1455	-0.2	-0.1
	2132	0.8	0.2		2051	0.7	0.2
3 Th	0337	-0.4	-0.1	18 F	0250	-0.2	-0.1
	0959	0.9	0.3		0917	1.0	0.3
	1622	-0.3	-0.1		1543	-0.1	0.0
	2216	0.7	0.2		2127	0.7	0.2
4 F	0420	-0.3	-0.1	19 Sa	0327	-0.2	-0.1
	1053	0.9	0.3		1009	1.0	0.3
	1721	-0.2	-0.1		1636	-0.1	0.0
	2301	0.6	0.2		2212	0.6	0.2
5 Sa	0506	-0.3	-0.1	20 Su	0411	-0.2	-0.1
	1155	0.9	0.3		1105	1.1	0.3
	1821	-0.1	0.0		1739	0.0	0.0
	2347	0.5	0.2		2301	0.6	0.2
6 Su	0555	-0.3	-0.1	21 M	0506	-0.2	-0.1
	1257	0.9	0.3		1208	1.1	0.3
	1930	0.0	0.0		1849	0.0	0.0
7 M	0042	0.4	0.1	22 Tu	0003	0.5	0.2
	0651	-0.3	-0.1		0605	-0.2	-0.1
	1403	0.8	0.2		1315	1.1	0.3
	2036	0.0	0.0		2000	0.0	0.0
8 Tu	0139	0.4	0.1	23 W	0115	0.5	0.2
	0753	-0.3	-0.1		0718	-0.2	-0.1
	1503	0.8	0.2		1424	1.1	0.3
	2136	0.0	0.0		2106	0.0	0.0
9 W	0243	0.4	0.1	24 Th	0228	0.6	0.2
	0854	-0.3	-0.1		0831	-0.3	-0.1
	1559	0.9	0.3		1531	1.1	0.3
	2227	0.0	0.0		2201	0.0	0.0
10 Th	0340	0.5	0.2	25 F	0335	0.7	0.2
	0951	-0.3	-0.1		0944	-0.3	-0.1
	1647	0.9	0.3		1630	1.1	0.3
	2308	0.0	0.0		2252	-0.1	0.0
11 F	0429	0.5	0.2	26 Sa	0435	0.8	0.2
	1040	-0.3	-0.1		1048	-0.3	-0.1
	1731	0.9	0.3		1724	1.1	0.3
	2343	0.0	0.0		2335	-0.1	0.0
12 Sa	0515	0.6	0.2	27 Su	0531	1.0	0.3
	1129	-0.3	-0.1		1147	-0.4	-0.1
	1807	0.9	0.3		1813	1.1	0.3
13 Su	0016	-0.1	0.0	28 M	0015	-0.2	-0.1
	0557	0.7	0.2		0621	1.1	0.3
	1211	-0.3	-0.1		1244	-0.4	-0.1
	1843	0.9	0.3		1859	1.0	0.3
14 M	0047	-0.1	0.0	29 Tu	0055	-0.2	-0.1
	0636	0.8	0.2		0710	1.2	0.4
	1251	-0.3	-0.1		1336	-0.3	-0.1
	1915	0.9	0.3		1941	0.9	0.3
15 Tu	0115	-0.1	0.0	30 W	0134	-0.2	-0.1
	0715	0.8	0.2		0757	1.2	0.4
	1332	-0.3	-0.1		1426	-0.3	-0.1
	1947	0.8	0.2		2023	0.9	0.3
				31 Th	0213	-0.2	-0.1
					0842	1.3	0.4
					1516	-0.2	-0.1
					2103	0.8	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0250	-0.2	-0.1	16	0209	-0.1	0.0
F	0931	1.2	0.4	Sa	0858	1.4	0.4
	1605	-0.1	0.0		1540	0.0	0.0
	2143	0.7	0.2		2108	0.8	0.2
2	0332	-0.1	0.0	17	0251	-0.1	0.0
Sa	1020	1.2	0.4	Su	0948	1.4	0.4
	1659	0.0	0.0		1633	0.1	0.0
	2225	0.6	0.2		2156	0.7	0.2
3	0417	-0.1	0.0	18	0342	-0.1	0.0
Su	1112	1.1	0.3	M	1043	1.4	0.4
	1755	0.1	0.0		1733	0.1	0.0
	2314	0.6	0.2		2254	0.7	0.2
4	0509	0.0	0.0	19	0441	0.0	0.0
M	1211	1.1	0.3	Tu	1144	1.3	0.4
	1851	0.2	0.1		1839	0.1	0.0
5	0013	0.6	0.2	20	0003	0.7	0.2
Tu	0609	0.0	0.0	W	0551	0.0	0.0
	1312	1.0	0.3		1251	1.3	0.4
	1950	0.2	0.1		1938	0.1	0.0
6	0116	0.6	0.2	21	0118	0.8	0.2
W	0718	0.1	0.0	Th	0712	0.1	0.0
	1411	1.0	0.3		1400	1.3	0.4
	2042	0.2	0.1		2037	0.1	0.0
7	0223	0.7	0.2	22	0229	0.9	0.3
Th	0824	0.1	0.0	F	0831	0.0	0.0
	1509	1.0	0.3		1504	1.2	0.4
	2133	0.2	0.1		2129	0.1	0.0
8	0319	0.8	0.2	23	0331	1.1	0.3
F	0929	0.0	0.0	Sa	0942	0.0	0.0
	1559	1.0	0.3		1603	1.2	0.4
	2213	0.1	0.0		2215	0.0	0.0
9	0409	0.9	0.3	24	0430	1.2	0.4
Sa	1021	0.0	0.0	Su	1051	0.0	0.0
	1644	1.0	0.3		1659	1.1	0.3
	2250	0.1	0.0		2258	0.0	0.0
10	0453	1.0	0.3	25	0519	1.4	0.4
Su	1111	0.0	0.0	M	1148	-0.1	0.0
	1722	1.0	0.3		1745	1.0	0.3
	2322	0.1	0.0		2338	0.0	0.0
11	0537	1.1	0.3	26	0607	1.5	0.5
M	1154	0.0	0.0	Tu	1242	-0.1	0.0
	1801	0.9	0.3		1829	1.0	0.3
	2354	0.0	0.0				
12	0614	1.2	0.4	27	0014	0.0	0.0
Tu	1238	-0.1	0.0	W	0653	1.5	0.5
	1837	0.9	0.3		1333	0.0	0.0
					1912	0.9	0.3
13	0024	0.0	0.0	28	0053	0.0	0.0
W	0652	1.2	0.4	Th	0738	1.6	0.5
	1321	-0.1	0.0		1421	0.0	0.0
	1911	0.9	0.3		1951	0.8	0.2
14	0057	0.0	0.0	29	0129	0.0	0.0
Th	0731	1.3	0.4	F	0820	1.5	0.5
	1404	0.0	0.0		1506	0.1	0.0
	1945	0.8	0.2		2030	0.8	0.2
15	0131	-0.1	0.0	30	0207	0.0	0.0
F	0813	1.4	0.4	Sa	0904	1.5	0.5
	1450	0.0	0.0		1551	0.2	0.1
	2025	0.8	0.2		2111	0.8	0.2

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0250	0.1	0.0	16	0227	0.0	0.0
Su	0948	1.4	0.4	M	0929	1.7	0.5
	1637	0.2	0.1		1625	0.2	0.1
	2156	0.8	0.2		2148	0.8	0.2
2	0335	0.1	0.0	17	0324	0.1	0.0
M	1033	1.3	0.4	Tu	1025	1.6	0.5
	1722	0.3	0.1		1721	0.2	0.1
	2249	0.8	0.2		2251	0.9	0.3
3	0427	0.2	0.1	18	0428	0.2	0.1
Tu	1123	1.2	0.4	W	1125	1.5	0.5
	1812	0.3	0.1		1816	0.2	0.1
	2347	0.8	0.2				
4	0529	0.3	0.1	19	0005	0.9	0.3
W	1217	1.2	0.4	Th	0545	0.2	0.1
	1902	0.3	0.1		1225	1.4	0.4
					1911	0.2	0.1
5	0052	0.8	0.2	20	0117	1.1	0.3
Th	0639	0.3	0.1	F	0707	0.3	0.1
	1312	1.1	0.3		1329	1.3	0.4
	1949	0.3	0.1		2003	0.2	0.1
6	0155	0.9	0.3	21	0222	1.2	0.4
F	0752	0.3	0.1	Sa	0830	0.3	0.1
	1409	1.1	0.3		1435	1.2	0.4
	2035	0.3	0.1		2051	0.1	0.0
7	0252	1.0	0.3	22	0325	1.4	0.4
Sa	0857	0.3	0.1	Su	0945	0.3	0.1
	1502	1.0	0.3		1534	1.1	0.3
	2117	0.2	0.1		2138	0.1	0.0
8	0341	1.1	0.3	23	0418	1.5	0.5
Su	0957	0.3	0.1	M	1050	0.2	0.1
	1548	1.0	0.3		1627	1.0	0.3
	2154	0.2	0.1		2218	0.1	0.0
9	0424	1.3	0.4	24	0509	1.6	0.5
M	1050	0.2	0.1	Tu	1149	0.2	0.1
	1633	1.0	0.3		1715	1.0	0.3
	2229	0.1	0.0		2300	0.1	0.0
10	0509	1.4	0.4	25	0554	1.7	0.5
Tu	1137	0.2	0.1	W	1241	0.2	0.1
	1715	1.0	0.3		1800	0.9	0.3
	2304	0.1	0.0		2337	0.1	0.0
11	0548	1.5	0.5	26	0638	1.7	0.5
W	1225	0.2	0.1	Th	1330	0.2	0.1
	1754	0.9	0.3		1841	0.9	0.3
	2341	0.0	0.0				
12	0627	1.6	0.5	27	0015	0.1	0.0
Th	1310	0.1	0.0	F	0719	1.7	0.5
	1834	0.9	0.3		1413	0.2	0.1
					1921	0.8	0.2
13	0017	0.0	0.0	28	0054	0.1	0.0
F	0709	1.7	0.5	Sa	0800	1.7	0.5
	1355	0.1	0.0		1455	0.3	0.1
	1918	0.9	0.3		2001	0.8	0.2
14	0056	0.0	0.0	29	0135	0.2	0.1
Sa	0754	1.7	0.5	Su	0838	1.6	0.5
	1444	0.1	0.0		1533	0.3	0.1
	2001	0.9	0.3		2042	0.8	0.2
15	0139	0.0	0.0	30	0217	0.2	0.1
Su	0840	1.7	0.5	M	0919	1.6	0.5
	1533	0.1	0.0		1612	0.3	0.1
	2052	0.8	0.2		2132	0.9	0.3
				31	0259	0.3	0.1
				Tu	0959	1.5	0.5
					1652	0.3	0.1
					2224	0.9	0.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0351	0.4	0.1	16	0426	0.3	0.1
W	1042	1.4	0.4	Th	1102	1.6	0.5
	1729	0.3	0.1		1747	0.2	0.1
	2318	0.9	0.3		2355	1.2	0.4
2	0451	0.4	0.1	17	0539	0.4	0.1
Th	1124	1.3	0.4	F	1158	1.4	0.4
	1811	0.3	0.1		1836	0.2	0.1
3	0023	1.0	0.3	18	0101	1.3	0.4
F	0559	0.5	0.2	Sa	0702	0.4	0.1
	1211	1.2	0.4		1258	1.3	0.4
	1853	0.3	0.1		1925	0.2	0.1
4	0121	1.1	0.3	19	0208	1.4	0.4
Sa	0712	0.5	0.2	Su	0824	0.5	0.2
	1303	1.1	0.3		1359	1.2	0.4
	1937	0.3	0.1		2014	0.2	0.1
5	0217	1.2	0.4	20	0307	1.6	0.5
Su	0821	0.5	0.2	M	0939	0.4	0.1
	1356	1.1	0.3		1457	1.0	0.3
	2017	0.2	0.1		2057	0.1	0.0
6	0307	1.3	0.4	21	0404	1.7	0.5
M	0926	0.5	0.2	Tu	1048	0.4	0.1
	1448	1.0	0.3		1554	1.0	0.3
	2059	0.2	0.1		2143	0.1	0.0
7	0356	1.5	0.5	22	0454	1.8	0.5
Tu	1026	0.4	0.1	W	1146	0.4	0.1
	1538	1.0	0.3		1643	0.9	0.3
	2139	0.1	0.0		2226	0.1	0.0
8	0441	1.6	0.5	23	0540	1.8	0.5
W	1119	0.4	0.1	Th	1239	0.4	0.1
	1627	1.0	0.3		1729	0.9	0.3
	2218	0.1	0.0		2308	0.1	0.0
9	0523	1.7	0.5	24	0622	1.8	0.5
Th	1209	0.3	0.1	F	1322	0.4	0.1
	1715	0.9	0.3		1814	0.9	0.3
	2300	0.1	0.0		2349	0.2	0.1
10	0607	1.8	0.5	25	0703	1.8	0.5
F	1258	0.3	0.1	Sa	1359	0.4	0.1
	1803	0.9	0.3		1857	0.9	0.3
	2345	0.0	0.0				
11	0652	1.9	0.6	26	0031	0.2	0.1
Sa	1347	0.2	0.1	Su	0741	1.8	0.5
	1853	0.9	0.3		1435	0.4	0.1
					1939	0.9	0.3
12	0031	0.0	0.0	27	0109	0.3	0.1
Su	0738	1.9	0.6	M	0817	1.7	0.5
	1434	0.2	0.1		1510	0.4	0.1
	1945	0.9	0.3		2022	0.9	0.3
13	0121	0.1	0.0	28	0151	0.3	0.1
M	0826	1.9	0.6	Tu	0849	1.6	0.5
	1521	0.2	0.1		1543	0.4	0.1
	2041	1.0	0.3		2108	1.0	0.3
14	0218	0.1	0.0	29	0237	0.4	0.1
Tu	0915	1.8	0.5	W	0926	1.5	0.5
	1610	0.2	0.1		1615	0.4	0.1
	2141	1.0	0.3		2157	1.0	0.3
15	0317	0.2	0.1	30	0326	0.5	0.2
W	1008	1.7	0.5	Th	1001	1.5	0.5
	1659	0.2	0.1		1647	0.4	0.1
	2247	1.1	0.3		2249	1.1	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0421	0.5	0.2	16 Sa	0533	0.5	0.2
	1037	1.4	0.4		1130	1.4	0.4
	1723	0.3	0.1		1758	0.2	0.1
	2344	1.2	0.4				
2 Sa	0521	0.6	0.2	17 Su	0040	1.5	0.5
	1119	1.3	0.4		0651	0.5	0.2
	1800	0.3	0.1		1223	1.2	0.4
					1844	0.2	0.1
3 Su	0042	1.3	0.4	18 M	0144	1.6	0.5
	0629	0.7	0.2		0811	0.6	0.2
	1204	1.2	0.4		1320	1.1	0.3
	1843	0.3	0.1		1933	0.2	0.1
4 M	0139	1.4	0.4	19 Tu	0245	1.7	0.5
	0742	0.7	0.2		0931	0.6	0.2
	1256	1.1	0.3		1419	1.0	0.3
	1922	0.2	0.1		2022	0.2	0.1
5 Tu	0231	1.5	0.5	20 W	0343	1.8	0.5
	0853	0.6	0.2		1039	0.6	0.2
	1347	1.0	0.3		1518	0.9	0.3
	2004	0.2	0.1		2110	0.2	0.1
6 W	0322	1.6	0.5	21 Th	0436	1.8	0.5
	0959	0.6	0.2		1138	0.5	0.2
	1445	1.0	0.3		1615	0.9	0.3
	2053	0.1	0.0		2159	0.2	0.1
7 Th	0413	1.8	0.5	22 F	0523	1.8	0.5
	1058	0.5	0.2		1224	0.5	0.2
	1544	1.0	0.3		1706	0.9	0.3
	2140	0.1	0.0		2245	0.2	0.1
8 F	0501	1.9	0.6	23 Sa	0605	1.8	0.5
	1153	0.4	0.1		1303	0.5	0.2
	1642	0.9	0.3		1753	0.9	0.3
	2232	0.1	0.0		2330	0.3	0.1
9 Sa	0548	2.0	0.6	24 Su	0643	1.8	0.5
	1242	0.4	0.1		1338	0.5	0.2
	1741	1.0	0.3		1838	1.0	0.3
	2324	0.1	0.0				
10 Su	0634	2.0	0.6	25 M	0012	0.3	0.1
	1330	0.3	0.1		0718	1.7	0.5
	1838	1.0	0.3		1407	0.5	0.2
					1919	1.0	0.3
11 M	0017	0.1	0.0	26 Tu	0057	0.3	0.1
	0723	2.0	0.6		0751	1.7	0.5
	1413	0.3	0.1		1434	0.4	0.1
	1934	1.1	0.3		2001	1.1	0.3
12 Tu	0114	0.1	0.0	27 W	0139	0.4	0.1
	0810	2.0	0.6		0822	1.6	0.5
	1459	0.2	0.1		1504	0.4	0.1
	2031	1.1	0.3		2044	1.1	0.3
13 W	0213	0.2	0.1	28 Th	0221	0.5	0.2
	0858	1.9	0.6		0854	1.6	0.5
	1543	0.2	0.1		1532	0.4	0.1
	2131	1.2	0.4		2127	1.2	0.4
14 Th	0315	0.3	0.1	29 F	0307	0.5	0.2
	0948	1.7	0.5		0926	1.5	0.5
	1628	0.2	0.1		1601	0.4	0.1
	2232	1.3	0.4		2213	1.3	0.4
15 F	0420	0.4	0.1	30 Sa	0353	0.6	0.2
	1037	1.6	0.5		0958	1.4	0.4
	1712	0.2	0.1		1633	0.3	0.1
	2334	1.4	0.4		2305	1.3	0.4
				31 Su	0451	0.7	0.2
					1034	1.3	0.4
					1711	0.3	0.1
					2357	1.4	0.4

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0554	0.7	0.2	16 Tu	0116	1.7	0.5
	1115	1.2	0.4		0755	0.7	0.2
	1749	0.3	0.1		1241	1.1	0.3
					1854	0.3	0.1
2 Tu	0055	1.5	0.5	17 W	0219	1.7	0.5
	0708	0.7	0.2		0912	0.7	0.2
	1202	1.1	0.3		1343	1.0	0.3
	1833	0.2	0.1		1945	0.3	0.1
3 W	0152	1.6	0.5	18 Th	0318	1.7	0.5
	0827	0.7	0.2		1021	0.7	0.2
	1300	1.0	0.3		1449	0.9	0.3
	1925	0.2	0.1		2045	0.3	0.1
4 Th	0251	1.7	0.5	19 F	0413	1.8	0.5
	0938	0.7	0.2		1114	0.6	0.2
	1406	1.0	0.3		1549	0.9	0.3
	2019	0.2	0.1		2138	0.3	0.1
5 F	0346	1.8	0.5	20 Sa	0500	1.8	0.5
	1039	0.6	0.2		1154	0.6	0.2
	1518	1.0	0.3		1643	1.0	0.3
	2117	0.1	0.0		2232	0.3	0.1
6 Sa	0439	1.9	0.6	21 Su	0542	1.7	0.5
	1134	0.5	0.2		1228	0.6	0.2
	1624	1.0	0.3		1733	1.0	0.3
	2215	0.1	0.0		2318	0.3	0.1
7 Su	0530	2.0	0.6	22 M	0618	1.7	0.5
	1220	0.4	0.1		1258	0.5	0.2
	1727	1.1	0.3		1819	1.1	0.3
	2314	0.1	0.0				
8 M	0618	2.0	0.6	23 Tu	0003	0.4	0.1
	1304	0.3	0.1		0653	1.7	0.5
	1824	1.2	0.4		1327	0.5	0.2
					1858	1.2	0.4
9 Tu	0013	0.1	0.0	24 W	0045	0.4	0.1
	0706	2.0	0.6		0722	1.6	0.5
	1346	0.3	0.1		1353	0.4	0.1
	1921	1.3	0.4		1937	1.2	0.4
10 W	0112	0.2	0.1	25 Th	0125	0.4	0.1
	0752	1.9	0.6		0753	1.6	0.5
	1428	0.2	0.1		1420	0.4	0.1
	2017	1.4	0.4		2019	1.3	0.4
11 Th	0211	0.2	0.1	26 F	0209	0.5	0.2
	0838	1.8	0.5		0819	1.5	0.5
	1508	0.2	0.1		1447	0.4	0.1
	2114	1.5	0.5		2058	1.4	0.4
12 F	0310	0.3	0.1	27 Sa	0251	0.5	0.2
	0924	1.7	0.5		0851	1.4	0.4
	1551	0.2	0.1		1515	0.3	0.1
	2209	1.6	0.5		2141	1.4	0.4
13 Sa	0412	0.4	0.1	28 Su	0337	0.6	0.2
	1011	1.5	0.5		0923	1.3	0.4
	1633	0.2	0.1		1547	0.3	0.1
	2310	1.6	0.5		2228	1.5	0.5
14 Su	0520	0.5	0.2	29 M	0433	0.7	0.2
	1057	1.3	0.4		0957	1.3	0.4
	1717	0.2	0.1		1623	0.3	0.1
					2318	1.5	0.5
15 M	0010	1.7	0.5	30 Tu	0533	0.7	0.2
	0633	0.6	0.2		1037	1.2	0.4
	1145	1.2	0.4		1705	0.3	0.1
	1803	0.2	0.1				
				31 W	0017	1.6	0.5
					0647	0.7	0.2
					1128	1.1	0.3
					1752	0.2	0.1

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0119	1.7	0.5	16 F	0243	1.6	0.5
	0802	0.7	0.2		0942	0.6	0.2
	1230	1.0	0.3		1423	0.9	0.3
	1849	0.2	0.1		2019	0.3	0.1
2 F	0221	1.7	0.5	17 Sa	0339	1.6	0.5
	0915	0.7	0.2		1031	0.6	0.2
	1347	1.0	0.3		1530	1.0	0.3
	1955	0.2	0.1		2120	0.4	0.1
3 Sa	0320	1.8	0.5	18 Su	0426	1.6	0.5
	1014	0.6	0.2		1109	0.5	0.2
	1504	1.0	0.3		1626	1.0	0.3
	2101	0.2	0.1		2215	0.4	0.1
4 Su	0417	1.9	0.6	19 M	0506	1.6	0.5
	1106	0.5	0.2		1140	0.5	0.2
	1615	1.1	0.3		1715	1.1	0.3
	2207	0.2	0.1		2306	0.4	0.1
5 M	0507	1.9	0.6	20 Tu	0543	1.5	0.5
	1148	0.4	0.1		1212	0.4	0.1
	1718	1.2	0.4		1755	1.2	0.4
	2312	0.2	0.1		2351	0.4	0.1
6 Tu	0559	1.9	0.6	21 W	0617	1.5	0.5
	1230	0.3	0.1		1239	0.4	0.1
	1814	1.3	0.4		1837	1.3	0.4
7 W	0011	0.2	0.1	22 Th	0033	0.4	0.1
	0645	1.8	0.5		0649	1.4	0.4
	1312	0.2	0.1		1307	0.3	0.1
	1907	1.5	0.5		1912	1.4	0.4
8 Th	0110	0.2	0.1	23 F	0115	0.4	0.1
	0729	1.7	0.5		0717	1.4	0.4
	1351	0.2	0.1		1332	0.3	0.1
	1959	1.6	0.5		1951	1.4	0.4
9 F	0206	0.3	0.1	24 Sa	0154	0.4	0.1
	0815	1.6	0.5		0749	1.3	0.4
	1428	0.2	0.1		1359	0.2	0.1
	2052	1.7	0.5		2031	1.5	0.5
10 Sa	0305	0.3	0.1	25 Su	0238	0.5	0.2
	0857	1.5	0.5		0818	1.2	0.4
	1509	0.1	0.0		1430	0.2	0.1
	2146	1.7	0.5		2112	1.5	0.5
11 Su	0403	0.4	0.1	26 M	0327	0.5	0.2
	0940	1.3	0.4		0850	1.2	0.4
	1551	0.2	0.1		1503	0.2	0.1
	2242	1.7	0.5		2158	1.6	0.5
12 M	0505	0.5	0.2	27 Tu	0419	0.6	0.2
	1024	1.2	0.4		0928	1.1	0.3
	1633	0.2	0.1		1542	0.2	0.1
	2341	1.7	0.5		2249	1.6	0.5
13 Tu	0614	0.6	0.2	28 W	0521	0.6	0.2
	1110	1.1	0.3		1012	1.0	0.3
	1723	0.2	0.1		1627	0.2	0.1
					2346	1.6	0.5
14 W	0041	1.7	0.5	29 Th	0631	0.6	0.2
	0727	0.7	0.2		1113	0.9	0.3
	1206	1.0	0.3		1721	0.2	0.1
	1814	0.3	0.1				
15 Th	0143	1.6	0.5	30 F	0047	1.6	0.5
	0843	0.7	0.2		0743	0.6	0.2
	1312	0.9	0.3		1223	0.9	0.3
	1914	0.3	0.1		1827	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0153	1.7	0.5
	0846	0.5	0.2
	1347	0.9	0.3
	1941	0.2	0.1
2 Su	0256	1.7	0.5
	0942	0.4	0.1
	1503	1.0	0.3
	2059	0.2	0.1
3 M	0353	1.7	0.5
	1030	0.3	0.1
	1611	1.2	0.4
	2205	0.2	0.1
4 Tu	0447	1.6	0.5
	1114	0.2	0.1
	1708	1.3	0.4
	2311	0.1	0.0
5 W	0535	1.6	0.5
	1154	0.1	0.0
	1803	1.4	0.4
6 Th	0010	0.1	0.0
	0618	1.5	0.5
	1234	0.1	0.0
	1852	1.6	0.5
7 F	0108	0.2	0.1
	0704	1.4	0.4
	1313	0.0	0.0
	1943	1.6	0.5
8 Sa	0202	0.2	0.1
	0746	1.3	0.4
	1350	0.0	0.0
	2032	1.7	0.5
9 Su	0255	0.3	0.1
	0826	1.2	0.4
	1429	0.0	0.0
	2121	1.7	0.5
10 M	0352	0.4	0.1
	0907	1.0	0.3
	1511	0.0	0.0
	2211	1.6	0.5
11 Tu	0449	0.4	0.1
	0950	0.9	0.3
	1554	0.1	0.0
	2305	1.6	0.5
12 W	0549	0.5	0.2
	1038	0.9	0.3
	1643	0.1	0.0
13 Th	0002	1.5	0.5
	0655	0.5	0.2
	1138	0.8	0.2
	1736	0.2	0.1
14 F	0101	1.4	0.4
	0800	0.5	0.2
	1245	0.8	0.2
	1842	0.3	0.1
15 Sa	0158	1.4	0.4
	0851	0.5	0.2
	1356	0.8	0.2
	1950	0.3	0.1

Day	Time h m	Height ft	Height m
16 Su	0251	1.3	0.4
	0935	0.4	0.1
	1505	0.9	0.3
	2056	0.3	0.1
17 M	0340	1.3	0.4
	1013	0.3	0.1
	1602	1.0	0.3
	2152	0.3	0.1
18 Tu	0423	1.3	0.4
	1050	0.3	0.1
	1647	1.1	0.3
	2247	0.3	0.1
19 W	0502	1.2	0.4
	1119	0.2	0.1
	1727	1.2	0.4
	2333	0.3	0.1
20 Th	0534	1.2	0.4
	1148	0.2	0.1
	1810	1.3	0.4
21 F	0017	0.3	0.1
	0606	1.1	0.3
	1216	0.1	0.0
	1847	1.4	0.4
22 Sa	0102	0.3	0.1
	0642	1.1	0.3
	1247	0.0	0.0
	1925	1.4	0.4
23 Su	0147	0.3	0.1
	0713	1.0	0.3
	1317	0.0	0.0
	2007	1.5	0.5
24 M	0230	0.3	0.1
	0749	1.0	0.3
	1351	0.0	0.0
	2049	1.5	0.5
25 Tu	0320	0.3	0.1
	0824	0.9	0.3
	1428	-0.1	0.0
	2135	1.5	0.5
26 W	0412	0.3	0.1
	0909	0.8	0.2
	1511	-0.1	0.0
	2226	1.5	0.5
27 Th	0515	0.3	0.1
	1003	0.8	0.2
	1603	0.0	0.0
	2322	1.5	0.5
28 F	0615	0.3	0.1
	1109	0.7	0.2
	1706	0.0	0.0
29 Sa	0022	1.5	0.5
	0717	0.3	0.1
	1227	0.8	0.2
	1819	0.1	0.0
30 Su	0125	1.4	0.4
	0816	0.2	0.1
	1347	0.8	0.2
	1938	0.1	0.0
31 M	0227	1.4	0.4
	0909	0.1	0.0
	1501	1.0	0.3
	2055	0.1	0.0

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0326	1.3	0.4
	0954	0.0	0.0
	1603	1.1	0.3
	2207	0.1	0.0
2 W	0418	1.2	0.4
	1036	0.0	0.0
	1700	1.3	0.4
	2311	0.0	0.0
3 Th	0507	1.1	0.3
	1118	-0.1	0.0
	1750	1.4	0.4
4 F	0010	0.0	0.0
	0553	1.0	0.3
	1157	-0.2	-0.1
	1839	1.5	0.5
5 Sa	0106	0.0	0.0
	0638	0.9	0.3
	1236	-0.2	-0.1
	1925	1.5	0.5
6 Su	0158	0.1	0.0
	0717	0.9	0.3
	1315	-0.2	-0.1
	2011	1.5	0.5
7 M	0249	0.1	0.0
	0756	0.8	0.2
	1354	-0.2	-0.1
	2100	1.5	0.5
8 Tu	0339	0.2	0.1
	0838	0.7	0.2
	1436	-0.2	-0.1
	2145	1.4	0.4
9 W	0428	0.2	0.1
	0921	0.7	0.2
	1519	-0.1	0.0
	2233	1.3	0.4
10 Th	0520	0.2	0.1
	1011	0.6	0.2
	1608	0.0	0.0
	2321	1.2	0.4
11 F	0611	0.2	0.1
	1109	0.6	0.2
	1703	0.0	0.0
12 Sa	0013	1.2	0.4
	0703	0.2	0.1
	1221	0.6	0.2
	1805	0.1	0.0
13 Su	0103	1.1	0.3
	0749	0.2	0.1
	1327	0.7	0.2
	1915	0.1	0.0
14 M	0155	1.0	0.3
	0837	0.1	0.0
	1433	0.8	0.2
	2023	0.2	0.1
15 Tu	0242	1.0	0.3
	0914	0.0	0.0
	1528	0.9	0.3
	2123	0.2	0.1

Day	Time h m	Height ft	Height m
16 W	0327	0.9	0.3
	0951	0.0	0.0
	1617	1.0	0.3
	2221	0.1	0.0
17 Th	0407	0.9	0.3
	1024	-0.1	0.0
	1659	1.1	0.3
	2312	0.1	0.0
18 F	0445	0.8	0.2
	1059	-0.2	-0.1
	1742	1.2	0.4
19 Sa	0002	0.1	0.0
	0527	0.8	0.2
	1131	-0.2	-0.1
	1821	1.3	0.4
20 Su	0048	0.1	0.0
	0603	0.7	0.2
	1204	-0.3	-0.1
	1903	1.3	0.4
21 M	0134	0.0	0.0
	0641	0.7	0.2
	1243	-0.3	-0.1
	1945	1.4	0.4
22 Tu	0223	0.0	0.0
	0723	0.6	0.2
	1322	-0.4	-0.1
	2028	1.4	0.4
23 W	0313	0.0	0.0
	0810	0.6	0.2
	1407	-0.4	-0.1
	2116	1.4	0.4
24 Th	0405	0.0	0.0
	0902	0.5	0.2
	1456	-0.3	-0.1
	2207	1.4	0.4
25 F	0458	0.0	0.0
	1002	0.5	0.2
	1552	-0.3	-0.1
	2302	1.3	0.4
26 Sa	0552	0.0	0.0
	1110	0.6	0.2
	1657	-0.2	-0.1
	2358	1.2	0.4
27 Su	0648	-0.1	0.0
	1227	0.6	0.2
	1813	-0.1	0.0
28 M	0059	1.1	0.3
	0740	-0.1	0.0
	1340	0.7	0.2
	1936	-0.1	0.0
29 Tu	0158	1.0	0.3
	0829	-0.2	-0.1
	1449	0.9	0.3
	2053	-0.1	0.0
30 W	0254	0.9	0.3
	0917	-0.3	-0.1
	1551	1.0	0.3
	2207	-0.1	0.0

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0349	0.8	0.2
	1001	-0.3	-0.1
	1647	1.1	0.3
	2310	-0.1	0.0
2 F	0438	0.7	0.2
	1043	-0.4	-0.1
	1735	1.2	0.4
3 Sa	0008	-0.1	0.0
	0527	0.6	0.2
	1126	-0.4	-0.1
	1826	1.3	0.4
4 Su	0103	-0.1	0.0
	0609	0.5	0.2
	1204	-0.5	-0.2
	1911	1.3	0.4
5 M	0152	-0.1	0.0
	0649	0.5	0.2
	1247	-0.5	-0.2
	1955	1.3	0.4
6 Tu	0238	-0.1	0.0
	0730	0.4	0.1
	1326	-0.4	-0.1
	2037	1.2	0.4
7 W	0321	0.0	0.0
	0813	0.4	0.1
	1407	-0.4	-0.1
	2119	1.1	0.3
8 Th	0403	0.0	0.0
	0858	0.4	0.1
	1453	-0.3	-0.1
	2200	1.1	0.3
9 F	0443	0.0	0.0
	0950	0.4	0.1
	1538	-0.3	-0.1
	2242	1.0	0.3
10 Sa	0526	-0.1	0.0
	1042	0.4	0.1
	1630	-0.2	-0.1
	2325	0.9	0.3
11 Su	0608	-0.1	0.0
	1147	0.5	0.2
	1729	-0.1	0.0
12 M	0009	0.8	0.2
	0651	-0.1	0.0
	1249	0.5	0.2
	1835	0.0	0.0
13 Tu	0057	0.7	0.2
	0734	-0.2	-0.1
	1355	0.6	0.2
	1942	0.0	0.0
14 W	0143	0.7	0.2
	0814	-0.3	-0.1
	1450	0.7	0.2
	2048	0.0	0.0
15 Th	0229	0.6	0.2
	0853	-0.3	-0.1
	1542	0.8	0.2
	2149	0.0	0.0

Day	Time h m	Height ft	Height m
16 F	0315	0.5	0.2
	0935	-0.4	-0.1
	1628	0.9	0.3
	2248	-0.1	0.0
17 Sa	0359	0.5	0.2
	1011	-0.5	-0.2
	1713	1.0	0.3
	2341	-0.1	0.0
18 Su	0445	0.4	0.1
	1053	-0.5	-0.2
	1757	1.1	0.3
19 M	0031	-0.1	0.0
	0530	0.4	0.1
	1135	-0.6	-0.2
	1841	1.2	0.4
20 Tu	0120	-0.2	-0.1
	0617	0.4	0.1
	1218	-0.6	-0.2
	1927	1.2	0.4
21 W	0209	-0.2	-0.1
	0707	0.4	0.1
	1303	-0.6	-0.2
	2013	1.2	0.4
22 Th	0254	-0.3	-0.1
	0800	0.4	0.1
	1355	-0.6	-0.2
	2059	1.2	0.4
23 F	0343	-0.3	-0.1
	0856	0.4	0.1
	1447	-0.6	-0.2
	2151	1.1	0.3
24 Sa	0432	-0.3	-0.1
	1000	0.4	0.1
	1550	-0.5	-0.2
	2241	1.0	0.3
25 Su	0521	-0.3	-0.1
	1103	0.5	0.2
	1656	-0.4	-0.1
	2334	0.9	0.3
26 M	0610	-0.4	-0.1
	1215	0.6	0.2
	1811	-0.3	-0.1
27 Tu	0030	0.8	0.2
	0701	-0.4	-0.1
	1327	0.7	0.2
	1929	-0.2	-0.1
28 W	0127	0.6	0.2
	0751	-0.5	-0.2
	1433	0.8	0.2
	2046	-0.2	-0.1
29 Th	0225	0.5	0.2
	0840	-0.5	-0.2
	1536	0.9	0.3
	2200	-0.2	-0.1
30 F	0319	0.4	0.1
	0930	-0.6	-0.2
	1630	1.0	0.3
	2307	-0.2	-0.1
31 Sa	0410	0.3	0.1
	1015	-0.6	-0.2
	1723	1.1	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0403	-0.7	-0.2
	0907	2.6	0.8
	1603	-0.7	-0.2
	2121	3.0	0.9
2 Su	0453	-0.8	-0.2
	1001	2.6	0.8
	1659	-0.7	-0.2
	2217	2.9	0.9
3 M	0542	-0.8	-0.2
	1056	2.5	0.8
	1754	-0.7	-0.2
	2315	2.6	0.8
4 Tu	0632	-0.8	-0.2
	1155	2.4	0.7
	1853	-0.7	-0.2
5 W	0018	2.4	0.7
	0722	-0.7	-0.2
	1256	2.3	0.7
	1951	-0.6	-0.2
6 Th	0122	2.2	0.7
	0813	-0.7	-0.2
	1356	2.3	0.7
	2053	-0.5	-0.2
7 F	0227	2.1	0.6
	0906	-0.6	-0.2
	1456	2.2	0.7
	2153	-0.5	-0.2
8 Sa	0328	2.0	0.6
	0958	-0.5	-0.2
	1552	2.2	0.7
	2252	-0.5	-0.2
9 Su	0426	1.9	0.6
	1049	-0.5	-0.2
	1645	2.2	0.7
	2349	-0.5	-0.2
10 M	0519	1.9	0.6
	1140	-0.4	-0.1
	1735	2.3	0.7
11 Tu	0041	-0.5	-0.2
	0607	1.9	0.6
	1228	-0.4	-0.1
	1818	2.3	0.7
12 W	0129	-0.5	-0.2
	0654	1.9	0.6
	1315	-0.3	-0.1
	1858	2.3	0.7
13 Th	0212	-0.4	-0.1
	0736	2.0	0.6
	1358	-0.3	-0.1
	1935	2.4	0.7
14 F	0253	-0.4	-0.1
	0816	2.0	0.6
	1440	-0.3	-0.1
	2010	2.5	0.8
15 Sa	0333	-0.4	-0.1
	0851	2.1	0.6
	1524	-0.2	-0.1
	2043	2.5	0.8
16 Su	0409	-0.3	-0.1
	0922	2.2	0.7
	1604	-0.2	-0.1
	2117	2.5	0.8
17 M	0446	-0.3	-0.1
	0949	2.2	0.7
	1646	-0.1	0.0
	2155	2.5	0.8
18 Tu	0522	-0.2	-0.1
	1024	2.3	0.7
	1731	-0.1	0.0
	2235	2.5	0.8
19 W	0558	-0.2	-0.1
	1059	2.4	0.7
	1813	0.0	0.0
	2318	2.4	0.7
20 Th	0634	-0.1	0.0
	1142	2.4	0.7
	1901	0.0	0.0
21 F	0008	2.3	0.7
	0709	-0.1	0.0
	1227	2.5	0.8
	1954	0.1	0.0
22 Sa	0100	2.2	0.7
	0754	-0.1	0.0
	1322	2.5	0.8
	2055	0.1	0.0
23 Su	0159	2.2	0.7
	0841	-0.1	0.0
	1418	2.6	0.8
	2200	0.1	0.0
24 M	0302	2.1	0.6
	0941	-0.1	0.0
	1520	2.7	0.8
	2309	0.0	0.0
25 Tu	0409	2.2	0.7
	1047	-0.2	-0.1
	1623	2.8	0.9
26 W	0010	-0.2	-0.1
	0510	2.3	0.7
	1156	-0.3	-0.1
	1725	2.9	0.9
27 Th	0107	-0.4	-0.1
	0609	2.4	0.7
	1300	-0.4	-0.1
	1823	3.0	0.9
28 F	0201	-0.5	-0.2
	0705	2.5	0.8
	1401	-0.6	-0.2
	1921	3.0	0.9
29 Sa	0253	-0.7	-0.2
	0800	2.6	0.8
	1456	-0.7	-0.2
	2016	3.0	0.9
30 Su	0342	-0.8	-0.2
	0852	2.7	0.8
	1550	-0.8	-0.2
	2111	2.9	0.9
31 M	0428	-0.9	-0.3
	0943	2.7	0.8
	1643	-0.8	-0.2
	2204	2.8	0.9

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0514	-0.9	-0.3
	1036	2.7	0.8
	1736	-0.8	-0.2
	2259	2.6	0.8
2 W	0600	-0.8	-0.2
	1128	2.6	0.8
	1829	-0.7	-0.2
	2355	2.4	0.7
3 Th	0648	-0.7	-0.2
	1222	2.5	0.8
	1924	-0.6	-0.2
4 F	0055	2.2	0.7
	0733	-0.6	-0.2
	1318	2.3	0.7
	2021	-0.5	-0.2
5 Sa	0154	2.1	0.6
	0822	-0.5	-0.2
	1417	2.2	0.7
	2119	-0.4	-0.1
6 Su	0256	1.9	0.6
	0914	-0.3	-0.1
	1516	2.2	0.7
	2219	-0.3	-0.1
7 M	0355	1.9	0.6
	1008	-0.3	-0.1
	1610	2.2	0.7
	2317	-0.3	-0.1
8 Tu	0452	1.9	0.6
	1103	-0.2	-0.1
	1704	2.2	0.7
9 W	0009	-0.3	-0.1
	0544	2.0	0.6
	1156	-0.2	-0.1
	1753	2.3	0.7
10 Th	0059	-0.3	-0.1
	0630	2.1	0.6
	1247	-0.2	-0.1
	1836	2.4	0.7
11 F	0142	-0.3	-0.1
	0714	2.2	0.7
	1336	-0.2	-0.1
	1915	2.5	0.8
12 Sa	0224	-0.3	-0.1
	0751	2.3	0.7
	1422	-0.2	-0.1
	1950	2.6	0.8
13 Su	0302	-0.2	-0.1
	0823	2.3	0.7
	1506	-0.1	0.0
	2024	2.6	0.8
14 M	0340	-0.2	-0.1
	0848	2.4	0.7
	1548	-0.1	0.0
	2057	2.7	0.8
15 Tu	0414	-0.1	0.0
	0918	2.6	0.8
	1628	-0.1	0.0
	2133	2.7	0.8
16 W	0449	-0.1	0.0
	0948	2.7	0.8
	1710	0.0	0.0
	2211	2.7	0.8
17 Th	0521	0.0	0.0
	1027	2.8	0.9
	1753	0.1	0.0
	2253	2.6	0.8
18 F	0555	0.0	0.0
	1108	2.8	0.9
	1835	0.1	0.0
	2339	2.5	0.8
19 Sa	0632	0.0	0.0
	1157	2.8	0.9
	1930	0.2	0.1
20 Su	0032	2.4	0.7
	0713	0.1	0.0
	1249	2.8	0.9
	2030	0.2	0.1
21 M	0133	2.3	0.7
	0808	0.1	0.0
	1349	2.8	0.9
	2140	0.2	0.1
22 Tu	0239	2.2	0.7
	0917	0.1	0.0
	1455	2.7	0.8
	2249	0.1	0.0
23 W	0349	2.3	0.7
	1034	0.0	0.0
	1603	2.8	0.9
	2351	0.0	0.0
24 Th	0455	2.4	0.7
	1146	-0.1	0.0
	1711	2.8	0.9
25 F	0049	-0.2	-0.1
	0554	2.6	0.8
	1251	-0.3	-0.1
	1814	2.9	0.9
26 Sa	0141	-0.4	-0.1
	0650	2.7	0.8
	1349	-0.5	-0.2
	1911	3.0	0.9
27 Su	0230	-0.6	-0.2
	0742	2.9	0.9
	1444	-0.6	-0.2
	2005	3.0	0.9
28 M	0316	-0.6	-0.2
	0833	3.0	0.9
	1536	-0.7	-0.2
	2057	3.0	0.9

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0401	-0.7	-0.2
	0921	3.0	0.9
	1626	-0.7	-0.2
	2147	2.9	0.9
2 W	0444	-0.6	-0.2
	1008	2.9	0.9
	1715	-0.6	-0.2
	2238	2.7	0.8
3 Th	0526	-0.6	-0.2
	1057	2.8	0.9
	1803	-0.5	-0.2
	2330	2.6	0.8
4 F	0610	-0.4	-0.1
	1144	2.7	0.8
	1853	-0.4	-0.1
5 Sa	0024	2.4	0.7
	0653	-0.3	-0.1
	1235	2.6	0.8
	1948	-0.2	-0.1
6 Su	0121	2.2	0.7
	0740	-0.1	0.0
	1328	2.4	0.7
	2045	-0.1	0.0
7 M	0221	2.1	0.6
	0832	0.0	0.0
	1430	2.4	0.7
	2140	0.0	0.0
8 Tu	0323	2.1	0.6
	0928	0.1	0.0
	1530	2.3	0.7
	2238	0.1	0.0
9 W	0422	2.1	0.6
	1027	0.1	0.0
	1631	2.4	0.7
	2331	0.1	0.0
10 Th	0514	2.2	0.7
	1127	0.2	0.1
	1724	2.5	0.8
11 F	0022	0.0	0.0
	0601	2.4	0.7
	1220	0.1	0.0
	1809	2.6	0.8
12 Sa	0107	0.0	0.0
	0642	2.5	0.8
	1313	0.1	0.0
	1849	2.7	0.8
13 Su	0147	0.0	0.0
	0718	2.6	0.8
	1359	0.1	0.0
	1924	2.8	0.9
14 M	0227	0.0	0.0
	0747	2.8	0.9
	1444	0.1	0.0
	1959	2.9	0.9
15 Tu	0305	0.1	0.0
	0813	2.9	0.9
	1527	0.1	0.0
	2034	2.9	0.9
16 W	0340	0.1	0.0
	0843	3.0	0.9
	1609	0.1	0.0
	2109	2.9	0.9
17 Th	0414	0.2	0.1
	0919	3.2	1.0
	1651	0.2	0.1
	2148	2.9	0.9
18 F	0448	0.2	0.1
	0958	3.2	1.0
	1734	0.2	0.1
	2232	2.8	0.9
19 Sa	0523	0.2	0.1
	1041	3.2	1.0
	1820	0.3	0.1
	2318	2.7	0.8
20 Su	0605	0.3	0.1
	1131	3.2	1.0
	1914	0.4	0.1
21 M	0013	2.6	0.8
	0655	0.3	0.1
	1225	3.1	0.9
	2016	0.4	0.1
22 Tu	0114	2.5	0.8
	0757	0.3	0.1
	1328	2.9	0.9
	2124	0.4	0.1
23 W	0224	2.5	0.8
	0912	0.3	0.1
	1437	2.9	0.9
	2229	0.3	0.1
24 Th	0337	2.5	0.8
	1030	0.2	0.1
	1552	2.8	0.9
	2330	0.1	0.0
25 F	0443	2.6	0.8
	1140	0.0	0.0
	1702	2.9	0.9
26 Sa	0026	-0.1	0.0
	0541	2.8	0.9
	1241	-0.1	0.0
	1804	3.0	0.9
27 Su	0118	-0.2	-0.1
	0635	3.0	0.9
	1336	-0.3	-0.1
	1900	3.0	0.9
28 M	0204	-0.3	-0.1
	0726	3.1	0.9
	1430	-0.4	-0.1
	1950	3.0	0.9
29 Tu	0249	-0.4	-0.1
	0811	3.2	1.0
	1519	-0.5	-0.2
	2040	3.0	0.9
30 W	0331	-0.3	-0.1
	0855	3.2	1.0
	1607	-0.4	-0.1
	2126	2.9	0.9
31 Th	0412	-0.3	-0.1
	0939	3.2	1.0
	1652	-0.3	-0.1
	2213	2.8	0.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0451	-0.2	-0.1	16	0421	0.4	0.1
F	1020	3.1	0.9	Sa	0934	3.6	1.1
	1738	-0.2	-0.1		1718	0.3	0.1
	2302	2.7	0.8		2212	3.0	0.9
2	0533	-0.1	0.0	17	0504	0.4	0.1
Sa	1105	3.0	0.9	Su	1020	3.5	1.1
	1824	-0.1	0.0		1809	0.4	0.1
	2351	2.5	0.8		2303	2.9	0.9
3	0615	0.1	0.0	18	0553	0.4	0.1
Su	1150	2.8	0.9	M	1113	3.4	1.0
	1914	0.1	0.0		1904	0.4	0.1
4	0047	2.4	0.7	19	0000	2.8	0.9
M	0701	0.2	0.1	Tu	0653	0.5	0.2
	1240	2.7	0.8		1210	3.2	1.0
	2005	0.2	0.1		2003	0.4	0.1
5	0146	2.3	0.7	20	0104	2.7	0.8
Tu	0751	0.3	0.1	W	0759	0.5	0.2
	1337	2.6	0.8		1316	3.0	0.9
	2100	0.3	0.1		2105	0.3	0.1
6	0250	2.3	0.7	21	0217	2.7	0.8
W	0850	0.4	0.1	Th	0911	0.4	0.1
	1442	2.5	0.8		1429	2.9	0.9
	2154	0.3	0.1		2207	0.3	0.1
7	0347	2.4	0.7	22	0326	2.7	0.8
Th	0954	0.4	0.1	F	1023	0.3	0.1
	1546	2.6	0.8		1545	2.8	0.9
	2249	0.3	0.1		2304	0.1	0.0
8	0439	2.5	0.8	23	0430	2.9	0.9
F	1054	0.4	0.1	Sa	1129	0.1	0.0
	1645	2.6	0.8		1653	2.9	0.9
	2337	0.3	0.1		2359	0.0	0.0
9	0524	2.7	0.8	24	0527	3.0	0.9
Sa	1151	0.4	0.1	Su	1229	0.0	0.0
	1732	2.8	0.9		1753	2.9	0.9
10	0025	0.3	0.1	25	0050	-0.1	0.0
Su	0601	2.8	0.9	M	0616	3.2	1.0
	1244	0.3	0.1		1323	-0.2	-0.1
	1814	2.9	0.9		1844	2.9	0.9
11	0107	0.3	0.1	26	0137	-0.1	0.0
M	0636	3.0	0.9	Tu	0705	3.3	1.0
	1333	0.3	0.1		1414	-0.2	-0.1
	1853	3.0	0.9		1934	2.9	0.9
12	0147	0.3	0.1	27	0220	-0.1	0.0
Tu	0705	3.2	1.0	W	0747	3.3	1.0
	1419	0.2	0.1		1502	-0.2	-0.1
	1930	3.0	0.9		2019	2.9	0.9
13	0227	0.3	0.1	28	0301	-0.1	0.0
W	0736	3.3	1.0	Th	0829	3.3	1.0
	1503	0.2	0.1		1548	-0.2	-0.1
	2006	3.1	0.9		2105	2.9	0.9
14	0305	0.3	0.1	29	0340	0.0	0.0
Th	0812	3.5	1.1	F	0909	3.3	1.0
	1549	0.2	0.1		1631	-0.1	0.0
	2045	3.1	0.9		2148	2.8	0.9
15	0343	0.4	0.1	30	0419	0.1	0.0
F	0852	3.6	1.1	Sa	0947	3.2	1.0
	1633	0.3	0.1		1713	0.0	0.0
	2127	3.1	0.9		2235	2.7	0.8

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0458	0.2	0.1	16	0452	0.4	0.1
Su	1026	3.1	0.9	M	1005	3.6	1.1
	1757	0.1	0.0		1756	0.2	0.1
	2321	2.6	0.8		2253	3.0	0.9
2	0540	0.3	0.1	17	0548	0.4	0.1
M	1107	3.0	0.9	Tu	1101	3.4	1.0
	1840	0.2	0.1		1848	0.2	0.1
					2352	2.9	0.9
3	0012	2.5	0.8	18	0650	0.4	0.1
Tu	0627	0.4	0.1	W	1201	3.2	1.0
	1155	2.9	0.9		1945	0.2	0.1
	1927	0.3	0.1				
4	0108	2.5	0.8	19	0058	2.8	0.9
W	0721	0.5	0.2	Th	0756	0.4	0.1
	1250	2.8	0.9		1309	3.0	0.9
	2017	0.4	0.1		2043	0.2	0.1
5	0208	2.5	0.8	20	0207	2.8	0.9
Th	0818	0.6	0.2	F	0903	0.3	0.1
	1350	2.7	0.8		1424	2.9	0.9
	2108	0.4	0.1		2141	0.1	0.0
6	0302	2.6	0.8	21	0313	2.9	0.9
F	0919	0.6	0.2	Sa	1010	0.2	0.1
	1457	2.7	0.8		1536	2.8	0.9
	2159	0.4	0.1		2236	0.1	0.0
7	0351	2.7	0.8	22	0412	3.0	0.9
Sa	1018	0.6	0.2	Su	1114	0.1	0.0
	1554	2.7	0.8		1638	2.7	0.8
	2247	0.4	0.1		2329	0.0	0.0
8	0433	2.9	0.9	23	0508	3.1	0.9
Su	1119	0.5	0.2	M	1213	0.0	0.0
	1648	2.8	0.9		1735	2.7	0.8
	2335	0.4	0.1				
9	0511	3.1	0.9	24	0020	0.0	0.0
M	1214	0.5	0.2	Tu	0556	3.2	1.0
	1732	2.9	0.9		1307	-0.1	0.0
					1826	2.7	0.8
10	0020	0.4	0.1	25	0105	0.0	0.0
Tu	0547	3.2	1.0	W	0642	3.2	1.0
	1305	0.4	0.1		1357	-0.1	0.0
	1816	3.0	0.9		1915	2.7	0.8
11	0105	0.4	0.1	26	0150	0.1	0.0
W	0625	3.4	1.0	Th	0724	3.2	1.0
	1353	0.3	0.1		1443	-0.1	0.0
	1857	3.0	0.9		2000	2.7	0.8
12	0147	0.4	0.1	27	0232	0.1	0.0
Th	0703	3.6	1.1	F	0805	3.2	1.0
	1441	0.3	0.1		1527	-0.1	0.0
	1939	3.1	0.9		2044	2.7	0.8
13	0229	0.4	0.1	28	0312	0.2	0.1
F	0744	3.7	1.1	Sa	0842	3.2	1.0
	1529	0.2	0.1		1610	0.0	0.0
	2023	3.1	0.9		2127	2.6	0.8
14	0314	0.4	0.1	29	0351	0.3	0.1
Sa	0829	3.8	1.2	Su	0918	3.1	0.9
	1617	0.2	0.1		1650	0.1	0.0
	2109	3.1	0.9		2209	2.6	0.8
15	0400	0.4	0.1	30	0432	0.4	0.1
Su	0915	3.7	1.1	M	0955	3.1	0.9
	1706	0.2	0.1		1729	0.2	0.1
	2158	3.0	0.9		2251	2.6	0.8
				31	0515	0.4	0.1
				Tu	1035	3.0	0.9
					1811	0.2	0.1
					2336	2.6	0.8

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0602	0.5	0.2	16	0641	0.2	0.1
W	1119	2.9	0.9	Th	1153	3.2	1.0
	1853	0.3	0.1		1922	-0.1	0.0
2	0024	2.6	0.8	17	0043	2.9	0.9
Th	0652	0.6	0.2	F	0743	0.2	0.1
	1208	2.8	0.9		1301	2.9	0.9
	1935	0.3	0.1		2016	-0.1	0.0
3	0112	2.6	0.8	18	0149	2.9	0.9
F	0746	0.6	0.2	Sa	0847	0.1	0.0
	1258	2.8	0.9		1411	2.8	0.9
	2021	0.4	0.1		2111	-0.1	0.0
4	0202	2.7	0.8	19	0253	2.9	0.9
Sa	0844	0.6	0.2	Su	0951	0.1	0.0
	1402	2.7	0.8		1517	2.6	0.8
	2109	0.4	0.1		2203	0.0	0.0
5	0248	2.8	0.9	20	0352	3.0	0.9
Su	0943	0.6	0.2	M	1053	0.1	0.0
	1501	2.7	0.8		1620	2.6	0.8
	2154	0.4	0.1		2256	0.0	0.0
6	0333	3.0	0.9	21	0445	3.0	0.9
M	1043	0.6	0.2	Tu	1153	0.0	0.0
	1555	2.7	0.8		1715	2.5	0.8
	2244	0.4	0.1		2348	0.0	0.0
7	0418	3.2	1.0	22	0535	3.0	0.9
Tu	1140	0.5	0.2	W	1246	0.0	0.0
	1648	2.8	0.9		1806	2.5	0.8
	2332	0.4	0.1				
8	0503	3.3	1.0	23	0036	0.1	0.0
W	1236	0.4	0.1	Th	0621	3.0	0.9
	1737	2.9	0.9		1337	0.0	0.0
					1854	2.5	0.8
9	0020	0.4	0.1	24	0121	0.1	0.0
Th	0548	3.5	1.1	F	0703	3.1	0.9
	1329	0.3	0.1		1423	0.0	0.0
	1826	2.9	0.9		1940	2.5	0.8
10	0110	0.4	0.1	25	0204	0.2	0.1
F	0634	3.7	1.1	Sa	0742	3.1	0.9
	1419	0.2	0.1		1505	0.0	0.0
	1915	3.0	0.9		2022	2.5	0.8
11	0200	0.3	0.1	26	0247	0.3	0.1
Sa	0721	3.8	1.2	Su	0819	3.1	0.9
	1508	0.2	0.1		1548	0.1	0.0
	2003	3.1	0.9		2104	2.6	0.8
12	0252	0.3	0.1	27	0327	0.3	0.1
Su	0811	3.8	1.2	M	0855	3.1	0.9
	1559	0.1	0.0		1625	0.1	0.0
	2053	3.1	0.9		2143	2.6	0.8
13	0346	0.2	0.1	28	0410	0.4	0.1
M	0902	3.7	1.1	Tu	0930	3.1	0.9
	1649	0.0	0.0		1702	0.2	0.1
	2146	3.1	0.9		2222	2.6	0.8
14	0443	0.2	0.1	29	0454	0.4	0.1
Tu	0956	3.6	1.1	W	1009	3.0	0.9
	1739	0.0	0.0		1739	0.2	0.1
	2242	3.0	0.9		2257	2.6	0.8
15	0540	0.2	0.1	30	0538	0.5	0.2
W	1051	3.4	1.0	Th	1046	3.0	0.9
	1829	-0.1	0.0		1816	0.3	0.1
	2341	3.0	0.9		2334	2.7	0.8

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0625	0.6	0.2
	1134	2.9	0.9
	1856	0.3	0.1
2 Sa	0016	2.8	0.9
	0714	0.6	0.2
	1221	2.8	0.9
	1935	0.4	0.1
3 Su	0100	2.8	0.9
	0809	0.7	0.2
	1314	2.7	0.8
	2018	0.4	0.1
4 M	0146	2.9	0.9
	0906	0.7	0.2
	1411	2.7	0.8
	2101	0.4	0.1
5 Tu	0237	3.1	0.9
	1007	0.7	0.2
	1510	2.7	0.8
	2151	0.4	0.1
6 W	0330	3.2	1.0
	1108	0.6	0.2
	1609	2.7	0.8
	2244	0.4	0.1
7 Th	0423	3.4	1.0
	1209	0.5	0.2
	1706	2.8	0.9
	2343	0.4	0.1
8 F	0516	3.5	1.1
	1304	0.3	0.1
	1800	2.9	0.9
9 Sa	0042	0.3	0.1
	0610	3.6	1.1
	1358	0.2	0.1
	1852	3.0	0.9
10 Su	0139	0.2	0.1
	0703	3.7	1.1
	1449	0.1	0.0
	1947	3.1	0.9
11 M	0238	0.1	0.0
	0757	3.7	1.1
	1539	-0.1	0.0
	2039	3.1	0.9
12 Tu	0335	0.0	0.0
	0851	3.7	1.1
	1628	-0.2	-0.1
	2132	3.2	1.0
13 W	0430	0.0	0.0
	0946	3.6	1.1
	1715	-0.2	-0.1
	2228	3.1	0.9
14 Th	0528	0.0	0.0
	1043	3.4	1.0
	1805	-0.3	-0.1
	2325	3.1	0.9
15 F	0625	0.0	0.0
	1142	3.1	0.9
	1854	-0.2	-0.1
16 Sa	0024	3.0	0.9
	0724	0.0	0.0
	1246	2.9	0.9
	1945	-0.2	-0.1
17 Su	0124	3.0	0.9
	0826	0.1	0.0
	1349	2.7	0.8
	2036	-0.1	0.0
18 M	0225	2.9	0.9
	0928	0.1	0.0
	1456	2.6	0.8
	2128	0.0	0.0
19 Tu	0324	2.9	0.9
	1029	0.1	0.0
	1557	2.5	0.8
	2223	0.1	0.0
20 W	0420	2.9	0.9
	1129	0.1	0.0
	1652	2.4	0.7
	2315	0.1	0.0
21 Th	0511	2.9	0.9
	1223	0.1	0.0
	1746	2.4	0.7
22 F	0006	0.2	0.1
	0559	2.9	0.9
	1312	0.1	0.0
	1834	2.4	0.7
23 Sa	0056	0.2	0.1
	0643	3.0	0.9
	1358	0.1	0.0
	1921	2.5	0.8
24 Su	0142	0.3	0.1
	0723	3.0	0.9
	1440	0.1	0.0
	2003	2.6	0.8
25 M	0224	0.3	0.1
	0800	3.0	0.9
	1519	0.1	0.0
	2041	2.6	0.8
26 Tu	0307	0.4	0.1
	0834	3.1	0.9
	1556	0.2	0.1
	2117	2.7	0.8
27 W	0349	0.4	0.1
	0909	3.1	0.9
	1631	0.2	0.1
	2146	2.8	0.9
28 Th	0433	0.5	0.2
	0944	3.1	0.9
	1706	0.3	0.1
	2217	2.8	0.9
29 F	0515	0.5	0.2
	1020	3.1	0.9
	1742	0.3	0.1
	2250	2.9	0.9
30 Sa	0558	0.6	0.2
	1102	3.0	0.9
	1816	0.4	0.1
	2328	3.0	0.9
31 Su	0645	0.7	0.2
	1147	2.9	0.9
	1853	0.4	0.1

AUGUST

Day	Time h m	Height ft	Height m
1 M	0011	3.1	0.9
	0735	0.7	0.2
	1235	2.8	0.9
	1930	0.5	0.2
2 Tu	0101	3.1	0.9
	0831	0.8	0.2
	1331	2.7	0.8
	2014	0.5	0.2
3 W	0154	3.2	1.0
	0934	0.8	0.2
	1430	2.7	0.8
	2106	0.5	0.2
4 Th	0253	3.3	1.0
	1041	0.7	0.2
	1536	2.7	0.8
	2209	0.5	0.2
5 F	0353	3.4	1.0
	1145	0.6	0.2
	1636	2.8	0.9
	2318	0.4	0.1
6 Sa	0454	3.5	1.1
	1242	0.4	0.1
	1737	2.9	0.9
7 Su	0025	0.3	0.1
	0553	3.6	1.1
	1336	0.2	0.1
	1834	3.0	0.9
8 M	0127	0.2	0.1
	0651	3.7	1.1
	1427	0.0	0.0
	1929	3.2	1.0
9 Tu	0225	0.0	0.0
	0745	3.7	1.1
	1515	-0.1	0.0
	2022	3.3	1.0
10 W	0322	-0.1	0.0
	0840	3.6	1.1
	1601	-0.2	-0.1
	2114	3.3	1.0
11 Th	0417	-0.1	0.0
	0934	3.5	1.1
	1649	-0.3	-0.1
	2206	3.3	1.0
12 F	0510	-0.1	0.0
	1029	3.4	1.0
	1736	-0.3	-0.1
	2300	3.3	1.0
13 Sa	0605	-0.1	0.0
	1126	3.1	0.9
	1821	-0.2	-0.1
	2354	3.2	1.0
14 Su	0701	0.0	0.0
	1224	2.9	0.9
	1911	-0.1	0.0
15 M	0051	3.1	0.9
	0759	0.1	0.0
	1325	2.7	0.8
	1959	0.0	0.0
16 Tu	0152	2.9	0.9
	0859	0.2	0.1
	1430	2.5	0.8
	2053	0.1	0.0
17 W	0254	2.9	0.9
	1000	0.2	0.1
	1531	2.4	0.7
	2146	0.2	0.1
18 Th	0352	2.8	0.9
	1100	0.3	0.1
	1629	2.4	0.7
	2242	0.3	0.1
19 F	0446	2.8	0.9
	1153	0.3	0.1
	1723	2.5	0.8
	2337	0.3	0.1
20 Sa	0537	2.9	0.9
	1244	0.2	0.1
	1814	2.5	0.8
21 Su	0030	0.4	0.1
	0622	3.0	0.9
	1327	0.2	0.1
	1859	2.6	0.8
22 M	0118	0.4	0.1
	0703	3.0	0.9
	1409	0.2	0.1
	1938	2.7	0.8
23 Tu	0203	0.4	0.1
	0740	3.1	0.9
	1446	0.2	0.1
	2012	2.8	0.9
24 W	0248	0.4	0.1
	0814	3.2	1.0
	1523	0.3	0.1
	2041	2.9	0.9
25 Th	0330	0.4	0.1
	0846	3.2	1.0
	1558	0.3	0.1
	2107	3.0	0.9
26 F	0411	0.5	0.2
	0919	3.2	1.0
	1633	0.4	0.1
	2137	3.1	0.9
27 Sa	0453	0.6	0.2
	0953	3.2	1.0
	1705	0.4	0.1
	2211	3.2	1.0
28 Su	0534	0.6	0.2
	1033	3.1	0.9
	1738	0.5	0.2
	2249	3.3	1.0
29 M	0619	0.7	0.2
	1115	3.0	0.9
	1811	0.5	0.2
	2334	3.3	1.0
30 Tu	0706	0.8	0.2
	1205	2.9	0.9
	1851	0.6	0.2
31 W	0023	3.3	1.0
	0806	0.8	0.2
	1300	2.8	0.9
	1939	0.6	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0120	3.3	1.0
	0911	0.8	0.2
	1402	2.7	0.8
	2039	0.6	0.2
2 F	0224	3.3	1.0
	1019	0.7	0.2
	1510	2.7	0.8
	2153	0.6	0.2
3 Sa	0331	3.3	1.0
	1121	0.6	0.2
	1618	2.8	0.9
	2306	0.4	0.1
4 Su	0437	3.4	1.0
	1219	0.4	0.1
	1721	3.0	0.9
5 M	0017	0.3	0.1
	0540	3.5	1.1
	1312	0.2	0.1
	1820	3.2	1.0
6 Tu	0118	0.1	0.0
	0639	3.6	1.1
	1403	0.0	0.0
	1912	3.3	1.0
7 W	0214	-0.1	0.0
	0734	3.6	1.1
	1450	-0.1	0.0
	2004	3.4	1.0
8 Th	0309	-0.2	-0.1
	0827	3.6	1.1
	1535	-0.2	-0.1
	2052	3.5	1.1
9 F	0400	-0.2	-0.1
	0919	3.5	1.1
	1620	-0.2	-0.1
	2141	3.5	1.1
10 Sa	0451	-0.2	-0.1
	1009	3.3	1.0
	1705	-0.2	-0.1
	2230	3.4	1.0
11 Su	0542	-0.1	0.0
	1101	3.1	0.9
	1750	-0.1	0.0
	2320	3.2	1.0
12 M	0635	0.1	0.0
	1157	2.9	0.9
	1835	0.0	0.0
13 Tu	0013	3.1	0.9
	0730	0.2	0.1
	1256	2.7	0.8
	1924	0.1	0.0
14 W	0111	2.9	0.9
	0827	0.3	0.1
	1359	2.5	0.8
	2015	0.3	0.1
15 Th	0215	2.8	0.9
	0925	0.4	0.1
	1502	2.5	0.8
	2111	0.4	0.1
16 F	0319	2.8	0.9
	1024	0.4	0.1
	1602	2.5	0.8
	2210	0.4	0.1
17 Sa	0416	2.8	0.9
	1117	0.4	0.1
	1656	2.6	0.8
	2308	0.5	0.2
18 Su	0511	2.9	0.9
	1206	0.3	0.1
	1745	2.7	0.8
19 M	0002	0.4	0.1
	0557	3.0	0.9
	1249	0.3	0.1
	1830	2.8	0.9
20 Tu	0052	0.4	0.1
	0638	3.1	0.9
	1332	0.3	0.1
	1907	2.9	0.9
21 W	0139	0.4	0.1
	0715	3.1	0.9
	1409	0.3	0.1
	1936	3.0	0.9
22 Th	0225	0.4	0.1
	0747	3.2	1.0
	1447	0.3	0.1
	2003	3.1	0.9
23 F	0308	0.4	0.1
	0821	3.2	1.0
	1522	0.4	0.1
	2030	3.3	1.0
24 Sa	0350	0.5	0.2
	0854	3.2	1.0
	1556	0.4	0.1
	2103	3.4	1.0
25 Su	0432	0.5	0.2
	0928	3.2	1.0
	1631	0.5	0.2
	2137	3.4	1.0
26 M	0513	0.6	0.2
	1007	3.1	0.9
	1703	0.5	0.2
	2219	3.5	1.1
27 Tu	0559	0.7	0.2
	1051	3.0	0.9
	1742	0.6	0.2
	2305	3.4	1.0
28 W	0650	0.8	0.2
	1141	2.9	0.9
	1827	0.6	0.2
	2355	3.4	1.0
29 Th	0748	0.8	0.2
	1237	2.8	0.9
	1920	0.6	0.2
30 F	0056	3.3	1.0
	0852	0.7	0.2
	1342	2.7	0.8
	2032	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0203	3.2	1.0	16	0341	2.7	0.8
Sa	0958	0.6	0.2	Su	1032	0.3	0.1
	1455	2.7	0.8		1623	2.5	0.8
	2150	0.5	0.2		2236	0.4	0.1
2	0317	3.1	0.9	17	0436	2.7	0.8
Su	1058	0.5	0.2	M	1121	0.3	0.1
	1605	2.8	0.9		1711	2.7	0.8
	2303	0.4	0.1		2332	0.4	0.1
3	0427	3.2	1.0	18	0523	2.8	0.9
M	1156	0.3	0.1	Tu	1207	0.3	0.1
	1706	3.0	0.9		1751	2.8	0.9
4	0006	0.2	0.1	19	0024	0.3	0.1
Tu	0530	3.3	1.0	W	0606	2.9	0.9
	1248	0.1	0.0		1249	0.3	0.1
	1802	3.2	1.0		1825	3.0	0.9
5	0106	0.0	0.0	20	0113	0.3	0.1
W	0628	3.3	1.0	Th	0643	3.0	0.9
	1336	-0.1	0.0		1330	0.3	0.1
	1854	3.3	1.0		1854	3.1	0.9
6	0201	-0.2	-0.1	21	0200	0.3	0.1
Th	0720	3.4	1.0	F	0718	3.0	0.9
	1422	-0.2	-0.1		1408	0.3	0.1
	1942	3.4	1.0		1923	3.2	1.0
7	0252	-0.2	-0.1	22	0243	0.3	0.1
F	0811	3.3	1.0	Sa	0752	3.0	0.9
	1507	-0.2	-0.1		1446	0.3	0.1
	2030	3.5	1.1		1956	3.4	1.0
8	0343	-0.2	-0.1	23	0329	0.3	0.1
Sa	0859	3.2	1.0	Su	0827	3.0	0.9
	1550	-0.2	-0.1		1524	0.3	0.1
	2115	3.4	1.0		2031	3.4	1.0
9	0430	-0.2	-0.1	24	0411	0.4	0.1
Su	0948	3.1	0.9	M	0905	3.0	0.9
	1632	-0.1	0.0		1601	0.4	0.1
	2201	3.3	1.0		2112	3.5	1.1
10	0518	-0.1	0.0	25	0457	0.4	0.1
M	1037	2.9	0.9	Tu	0947	2.9	0.9
	1715	0.0	0.0		1639	0.4	0.1
	2245	3.2	1.0		2156	3.5	1.1
11	0609	0.0	0.0	26	0544	0.5	0.2
Tu	1130	2.7	0.8	W	1031	2.9	0.9
	1800	0.1	0.0		1726	0.4	0.1
	2336	3.0	0.9		2244	3.4	1.0
12	0700	0.2	0.1	27	0635	0.5	0.2
W	1227	2.6	0.8	Th	1125	2.7	0.8
	1848	0.2	0.1		1819	0.4	0.1
					2339	3.2	1.0
13	0029	2.8	0.9	28	0733	0.5	0.2
Th	0751	0.3	0.1	F	1224	2.6	0.8
	1327	2.4	0.7		1921	0.4	0.1
	1939	0.3	0.1				
14	0132	2.7	0.8	29	0039	3.0	0.9
F	0846	0.3	0.1	Sa	0835	0.4	0.1
	1431	2.4	0.7		1332	2.6	0.8
	2037	0.4	0.1		2034	0.4	0.1
15	0237	2.6	0.8	30	0149	2.9	0.9
Sa	0939	0.4	0.1	Su	0935	0.3	0.1
	1528	2.5	0.8		1444	2.6	0.8
	2137	0.4	0.1		2146	0.3	0.1
				31	0307	2.8	0.9
				M	1034	0.2	0.1
					1551	2.7	0.8
					2253	0.1	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0417	2.8	0.9	16	0440	2.5	0.8
Tu	1129	0.0	0.0	W	1119	0.1	0.0
	1650	2.9	0.9		1702	2.7	0.8
	2356	-0.1	0.0		2353	0.2	0.1
2	0519	2.9	0.9	17	0524	2.6	0.8
W	1221	-0.1	0.0	Th	1204	0.1	0.0
	1745	3.0	0.9		1737	2.8	0.9
3	0054	-0.2	-0.1	18	0044	0.1	0.0
Th	0615	2.9	0.9	F	0606	2.7	0.8
	1309	-0.2	-0.1		1247	0.1	0.0
	1835	3.1	0.9		1812	3.0	0.9
4	0147	-0.3	-0.1	19	0134	0.1	0.0
F	0705	2.9	0.9	Sa	0645	2.7	0.8
	1356	-0.3	-0.1		1329	0.1	0.0
	1922	3.2	1.0		1847	3.1	0.9
5	0237	-0.4	-0.1	20	0221	0.0	0.0
Sa	0752	2.9	0.9	Su	0723	2.7	0.8
	1440	-0.3	-0.1		1413	0.1	0.0
	2006	3.2	1.0		1926	3.3	1.0
6	0325	-0.4	-0.1	21	0306	0.0	0.0
Su	0839	2.8	0.9	M	0803	2.8	0.9
	1521	-0.3	-0.1		1453	0.1	0.0
	2048	3.1	0.9		2008	3.3	1.0
7	0411	-0.3	-0.1	22	0353	0.0	0.0
M	0926	2.7	0.8	Tu	0845	2.8	0.9
	1604	-0.2	-0.1		1537	0.1	0.0
	2132	3.0	0.9		2051	3.3	1.0
8	0457	-0.2	-0.1	23	0441	0.0	0.0
Tu	1014	2.6	0.8	W	0931	2.7	0.8
	1645	-0.1	0.0		1627	0.1	0.0
	2213	2.9	0.9		2139	3.3	1.0
9	0542	-0.1	0.0	24	0528	0.0	0.0
W	1102	2.5	0.8	Th	1019	2.7	0.8
	1730	0.0	0.0		1718	0.1	0.0
	2259	2.8	0.9		2230	3.1	0.9
10	0629	0.0	0.0	25	0621	0.0	0.0
Th	1152	2.3	0.7	F	1112	2.6	0.8
	1816	0.1	0.0		1815	0.1	0.0
	2347	2.6	0.8		2328	2.9	0.9
11	0715	0.1	0.0	26	0714	0.0	0.0
F	1248	2.3	0.7	Sa	1214	2.5	0.8
	1906	0.2	0.1		1920	0.0	0.0
12	0043	2.5	0.8	27	0032	2.7	0.8
Sa	0802	0.1	0.0	Su	0811	-0.1	0.0
	1349	2.3	0.7		1320	2.5	0.8
	2002	0.2	0.1		2026	0.0	0.0
13	0148	2.4	0.7	28	0143	2.6	0.8
Su	0852	0.1	0.0	M	0908	-0.1	0.0
	1445	2.3	0.7		1430	2.5	0.8
	2101	0.3	0.1		2134	-0.1	0.0
14	0251	2.4	0.7	29	0256	2.5	0.8
M	0942	0.1	0.0	Tu	1005	-0.2	-0.1
	1537	2.4	0.7		1535	2.5	0.8
	2200	0.3	0.1		2240	-0.2	-0.1
15	0350	2.5	0.8	30	0405	2.4	0.7
Tu	1031	0.1	0.0	W	1101	-0.3	-0.1
	1623	2.5	0.8		1633	2.6	0.8
	2258	0.2	0.1		2341	-0.4	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0504	2.4	0.7	16	0439	2.2	0.7
Th	1153	-0.4	-0.1	F	1116	-0.1	0.0
	1727	2.7	0.8		1647	2.6	0.8
2	0038	-0.5	-0.2	17	0014	0.0	0.0
F	0559	2.4	0.7	Sa	0525	2.3	0.7
	1242	-0.4	-0.1		1206	-0.1	0.0
	1817	2.8	0.9		1729	2.8	0.9
3	0131	-0.5	-0.2	18	0107	-0.1	0.0
Sa	0649	2.4	0.7	Su	0609	2.4	0.7
	1330	-0.4	-0.1		1254	-0.1	0.0
	1902	2.8	0.9		1815	3.0	0.9
4	0221	-0.6	-0.2	19	0158	-0.2	-0.1
Su	0737	2.4	0.7	M	0654	2.5	0.8
	1414	-0.4	-0.1		1344	-0.2	-0.1
	1946	2.8	0.9		1900	3.1	0.9
5	0307	-0.5	-0.2	20	0246	-0.2	-0.1
M	0822	2.3	0.7	Tu	0740	2.5	0.8
	1458	-0.4	-0.1		1432	-0.2	-0.1
	2027	2.8	0.9		1948	3.1	0.9
6	0351	-0.5	-0.2	21	0335	-0.3	-0.1
Tu	0907	2.3	0.7	W	0827	2.6	0.8
	1537	-0.3	-0.1		1522	-0.3	-0.1
	2107	2.7	0.8		2037	3.1	0.9
7	0433	-0.4	-0.1	22	0422	-0.4	-0.1
W	0950	2.2	0.7	Th	0916	2.6	0.8
	1619	-0.3	-0.1		1616	-0.3	-0.1
	2145	2.6	0.8		2129	3.1	0.9
8	0513	-0.3	-0.1	23	0510	-0.4	-0.1
Th	1035	2.2	0.7	F	1007	2.6	0.8
	1702	-0.2	-0.1		1710	-0.4	-0.1
	2230	2.5	0.8		2222	2.9	0.9
9	0555	-0.3	-0.1	24	0558	-0.4	-0.1
F	1118	2.1	0.6	Sa	1102	2.5	0.8
	1747	-0.1	0.0		1808	-0.4	-0.1
	2313	2.4	0.7		2320	2.7	0.8
10	0637	-0.2	-0.1	25	0650	-0.5	-0.2
Sa	1205	2.1	0.6	Su	1200	2.5	0.8
	1835	0.0	0.0		1909	-0.4	-0.1
11	0002	2.3	0.7	26	0023	2.5	0.8
Su	0719	-0.2	-0.1	M	0743	-0.5	-0.2
	1254	2.1	0.6		1302	2.4	0.7
	1928	0.0	0.0		2012	-0.4	-0.1
12	0053	2.3	0.7	27	0132	2.3	0.7
M	0802	-0.1	0.0	Tu	0837	-0.5	-0.2
	1343	2.2	0.7		1408	2.4	0.7
	2023	0.1	0.0		2118	-0.4	-0.1
13	0152	2.2	0.7	28	0241	2.2	0.7
Tu	0849	-0.1	0.0	W	0933	-0.5	-0.2
	1431	2.2	0.7		1514	2.4	0.7
	2121	0.1	0.0		2222	-0.5	-0.2
14	0252	2.2	0.7	29	0346	2.1	0.6
W	0937	-0.1	0.0	Th	1029	-0.5	-0.2
	1517	2.3	0.7		1613	2.4	0.7
	2221	0.1	0.0		2324	-0.5	-0.2
15	0347	2.2	0.7	30	0447	2.0	0.6
Th	1026	0.0	0.0	F	1124	-0.5	-0.2
	1603	2.5	0.8		1707	2.4	0.7
	2319	0.0	0.0				
				31	0022	-0.6	-0.2
				Sa	0542	2.0	0.6
					1217	-0.5	-0.2
					1758	2.4	0.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

HAMPTON ROADS (Sewells Pt.), VA., 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0406	-0.6	-0.2
	1031	3.0	0.9
	1656	-0.6	-0.2
	2300	2.5	0.8
2 Su	0502	-0.5	-0.2
	1124	2.9	0.9
	1746	-0.5	-0.2
	2354	2.5	0.8
3 M	0559	-0.3	-0.1
	1218	2.8	0.9
	1839	-0.3	-0.1
4 Tu	0052	2.5	0.8
	0658	-0.1	0.0
	1313	2.6	0.8
	1933	-0.2	-0.1
5 W	0150	2.5	0.8
	0801	0.0	0.0
	1412	2.4	0.7
	2029	-0.1	0.0
6 Th	0251	2.4	0.7
	0907	0.1	0.0
	1510	2.2	0.7
	2125	0.0	0.0
7 F	0352	2.4	0.7
	1012	0.2	0.1
	1612	2.0	0.6
	2221	0.0	0.0
8 Sa	0449	2.4	0.7
	1115	0.1	0.0
	1709	1.8	0.5
	2313	0.0	0.0
9 Su	0544	2.3	0.7
	1214	0.0	0.0
	1804	1.7	0.5
10 M	0003	-0.1	0.0
	0635	2.3	0.7
	1304	-0.1	0.0
	1855	1.7	0.5
11 Tu	0053	-0.2	-0.1
	0718	2.3	0.7
	1348	-0.3	-0.1
	1941	1.6	0.5
12 W	0136	-0.3	-0.1
	0800	2.3	0.7
	1430	-0.4	-0.1
	2023	1.6	0.5
13 Th	0218	-0.4	-0.1
	0841	2.3	0.7
	1509	-0.5	-0.2
	2104	1.6	0.5
14 F	0257	-0.4	-0.1
	0919	2.2	0.7
	1545	-0.5	-0.2
	2142	1.6	0.5
15 Sa	0336	-0.4	-0.1
	0956	2.2	0.7
	1619	-0.5	-0.2
	2221	1.7	0.5
16 Su	0414	-0.4	-0.1
	1033	2.1	0.6
	1654	-0.5	-0.2
	2256	1.7	0.5
17 M	0452	-0.3	-0.1
	1108	2.1	0.6
	1728	-0.4	-0.1
	2333	1.7	0.5
18 Tu	0530	-0.2	-0.1
	1144	2.0	0.6
	1801	-0.3	-0.1
19 W	0010	1.8	0.5
	0610	-0.2	-0.1
	1223	1.9	0.6
	1837	-0.3	-0.1
20 Th	0052	1.9	0.6
	0657	-0.1	0.0
	1302	1.8	0.5
	1916	-0.2	-0.1
21 F	0137	2.0	0.6
	0750	0.0	0.0
	1351	1.8	0.5
	2003	-0.2	-0.1
22 Sa	0233	2.1	0.6
	0849	0.0	0.0
	1445	1.7	0.5
	2056	-0.2	-0.1
23 Su	0332	2.2	0.7
	0956	0.0	0.0
	1551	1.7	0.5
	2157	-0.2	-0.1
24 M	0434	2.3	0.7
	1102	-0.1	0.0
	1657	1.8	0.5
	2302	-0.3	-0.1
25 Tu	0539	2.5	0.8
	1208	-0.2	-0.1
	1803	1.9	0.6
26 W	0006	-0.4	-0.1
	0640	2.6	0.8
	1307	-0.4	-0.1
	1906	2.0	0.6
27 Th	0107	-0.6	-0.2
	0738	2.8	0.9
	1403	-0.5	-0.2
	2003	2.2	0.7
28 F	0207	-0.7	-0.2
	0832	2.9	0.9
	1456	-0.6	-0.2
	2058	2.4	0.7
29 Sa	0302	-0.7	-0.2
	0925	3.0	0.9
	1547	-0.7	-0.2
	2151	2.5	0.8
30 Su	0357	-0.7	-0.2
	1016	3.0	0.9
	1637	-0.7	-0.2
	2243	2.6	0.8
31 M	0450	-0.6	-0.2
	1106	2.9	0.9
	1724	-0.6	-0.2
	2335	2.6	0.8

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0543	-0.4	-0.1
	1157	2.7	0.8
	1813	-0.4	-0.1
2 W	0028	2.6	0.8
	0638	-0.2	-0.1
	1247	2.5	0.8
	1901	-0.3	-0.1
3 Th	0121	2.5	0.8
	0735	0.0	0.0
	1340	2.3	0.7
	1951	-0.1	0.0
4 F	0217	2.4	0.7
	0834	0.1	0.0
	1434	2.0	0.6
	2043	0.0	0.0
5 Sa	0314	2.3	0.7
	0939	0.2	0.1
	1534	1.8	0.5
	2139	0.1	0.0
6 Su	0411	2.2	0.7
	1044	0.2	0.1
	1634	1.7	0.5
	2237	0.1	0.0
7 M	0511	2.2	0.7
	1143	0.1	0.0
	1733	1.6	0.5
	2330	0.0	0.0
8 Tu	0604	2.2	0.7
	1235	0.0	0.0
	1829	1.6	0.5
9 W	0025	-0.1	0.0
	0651	2.2	0.7
	1322	-0.2	-0.1
	1917	1.6	0.5
10 Th	0112	-0.2	-0.1
	0736	2.2	0.7
	1403	-0.3	-0.1
	1959	1.6	0.5
11 F	0154	-0.3	-0.1
	0816	2.2	0.7
	1440	-0.4	-0.1
	2040	1.7	0.5
12 Sa	0236	-0.4	-0.1
	0855	2.2	0.7
	1516	-0.5	-0.2
	2116	1.8	0.5
13 Su	0315	-0.4	-0.1
	0932	2.2	0.7
	1550	-0.5	-0.2
	2152	1.9	0.6
14 M	0352	-0.4	-0.1
	1008	2.2	0.7
	1622	-0.5	-0.2
	2227	1.9	0.6
15 Tu	0429	-0.4	-0.1
	1040	2.1	0.6
	1652	-0.4	-0.1
	2303	2.0	0.6
16 W	0506	-0.3	-0.1
	1114	2.1	0.6
	1724	-0.3	-0.1
	2338	2.1	0.6
17 Th	0546	-0.2	-0.1
	1151	2.0	0.6
	1759	-0.3	-0.1
18 F	0017	2.2	0.7
	0631	-0.1	0.0
	1231	2.0	0.6
	1835	-0.2	-0.1
19 Sa	0105	2.3	0.7
	0721	0.0	0.0
	1321	1.9	0.6
	1927	-0.1	0.0
20 Su	0158	2.3	0.7
	0817	0.1	0.0
	1417	1.9	0.6
	2023	-0.1	0.0
21 M	0302	2.4	0.7
	0929	0.2	0.1
	1522	1.8	0.5
	2131	0.0	0.0
22 Tu	0410	2.5	0.8
	1041	0.1	0.0
	1636	1.9	0.6
	2241	-0.1	0.0
23 W	0519	2.6	0.8
	1150	0.0	0.0
	1747	2.0	0.6
	2352	-0.2	-0.1
24 Th	0624	2.7	0.8
	1251	-0.2	-0.1
	1853	2.2	0.7
25 F	0058	-0.4	-0.1
	0724	2.9	0.9
	1346	-0.4	-0.1
	1951	2.5	0.8
26 Sa	0157	-0.5	-0.2
	0818	3.0	0.9
	1437	-0.5	-0.2
	2044	2.7	0.8
27 Su	0252	-0.6	-0.2
	0910	3.0	0.9
	1526	-0.5	-0.2
	2135	2.8	0.9
28 M	0344	-0.6	-0.2
	0959	3.0	0.9
	1613	-0.5	-0.2
	2224	2.9	0.9

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0435	-0.5	-0.2
	1046	2.8	0.9
	1658	-0.4	-0.1
	2313	2.9	0.9
2 W	0525	-0.3	-0.1
	1132	2.7	0.8
	1741	-0.3	-0.1
	2359	2.8	0.9
3 Th	0613	-0.1	0.0
	1218	2.5	0.8
	1826	-0.1	0.0
4 F	0049	2.7	0.8
	0707	0.1	0.0
	1308	2.2	0.7
	1913	0.0	0.0
5 Sa	0139	2.5	0.8
	0800	0.2	0.1
	1358	2.0	0.6
	2003	0.2	0.1
6 Su	0232	2.4	0.7
	0900	0.4	0.1
	1453	1.8	0.5
	2057	0.3	0.1
7 M	0331	2.3	0.7
	1003	0.4	0.1
	1555	1.7	0.5
	2155	0.3	0.1
8 Tu	0430	2.2	0.7
	1105	0.3	0.1
	1659	1.7	0.5
	2257	0.3	0.1
9 W	0526	2.1	0.6
	1200	0.2	0.1
	1758	1.7	0.5
	2353	0.1	0.0
10 Th	0619	2.2	0.7
	1245	0.0	0.0
	1845	1.7	0.5
11 F	0045	0.0	0.0
	0704	2.2	0.7
	1328	-0.1	0.0
	1930	1.8	0.5
12 Sa	0130	-0.2	-0.1
	0746	2.2	0.7
	1405	-0.3	-0.1
	2009	2.0	0.6
13 Su	0210	-0.3	-0.1
	0826	2.2	0.7
	1440	-0.4	-0.1
	2045	2.1	0.6
14 M	0250	-0.4	-0.1
	0903	2.3	0.7
	1515	-0.4	-0.1
	2121	2.2	0.7
15 Tu	0329	-0.4	-0.1
	0938	2.3	0.7
	1547	-0.4	-0.1
	2156	2.3	0.7
16 W	0406	-0.3	-0.1
	1013	2.2	0.7
	1619	-0.3	-0.1
	2233	2.4	0.7
17 Th	0444	-0.3	-0.1
	1048	2.2	0.7
	1652	-0.2	-0.1
	2311	2.5	0.8
18 F	0524	-0.1	0.0
	1125	2.2	0.7
	1728	-0.1	0.0
	2353	2.6	0.8
19 Sa	0610	0.0	0.0
	1210	2.2	0.7
	1812	0.0	0.0
20 Su	0041	2.6	0.8
	0703	0.2	0.1
	1258	2.1	0.6
	1903	0.1	0.0
21 M	0137	2.6	0.8
	0804	0.3	0.1
	1401	2.1	0.6
	2006	0.2	0.1
22 Tu	0241	2.6	0.8
	0913	0.4	0.1
	1511	2.1	0.6
	2117	0.2	0.1
23 W	0353	2.6	0.8
	1025	0.3	0.1
	1625	2.2	0.7
	2233	0.2	0.1
24 Th	0505	2.7	0.8
	1131	0.2	0.1
	1736	2.4	0.7
	2345	0.1	0.0
25 F	0611	2.8	0.9
	1232	0.0	0.0
	1839	2.6	0.8
26 Sa	0049	-0.1	0.0
	0709	2.9	0.9
	1326	-0.1	0.0
	1936	2.8	0.9
27 Su	0146	-0.3	-0.1
	0803	2.9	0.9
	1415	-0.3	-0.1
	2027	2.9	0.9
28 M	0239	-0.3	-0.1
	0852	2.9	0.9
	1502	-0.3	-0.1
	2116	3.0	0.9
29 Tu	0329	-0.4	-0.1
	0939	2.9	0.9
	1546	-0.3	-0.1
	2201	3.1	0.9
30 W	0416	-0.3	-0.1
	1024	2.8	0.9
	1629	-0.2	-0.1
	2246	3.0	0.9
31 Th	0503	-0.2	-0.1
	1106	2.6	0.8
	1711	-0.1	0.0
	2329	2.9	0.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0548	0.0	0.0	16 Sa	0509	-0.1	0.0
	1150	2.4	0.7		1108	2.3	0.7
	1753	0.0	0.0		1706	-0.1	0.0
					2333	2.9	0.9
2 Sa	0015	2.8	0.9	17 Su	0557	0.1	0.0
	0636	0.2	0.1		1157	2.3	0.7
	1234	2.2	0.7		1754	0.1	0.0
	1836	0.2	0.1				
3 Su	0102	2.6	0.8	18 M	0025	2.9	0.9
	0727	0.3	0.1		0652	0.2	0.1
	1324	2.1	0.6		1250	2.3	0.7
	1924	0.4	0.1		1852	0.2	0.1
4 M	0150	2.4	0.7	19 Tu	0124	2.8	0.9
	0821	0.4	0.1		0753	0.3	0.1
	1416	1.9	0.6		1355	2.3	0.7
	2015	0.5	0.2		1958	0.4	0.1
5 Tu	0246	2.3	0.7	20 W	0230	2.8	0.9
	0920	0.5	0.2		0900	0.4	0.1
	1520	1.8	0.5		1505	2.3	0.7
	2116	0.5	0.2		2112	0.4	0.1
6 W	0344	2.2	0.7	21 Th	0340	2.7	0.8
	1017	0.4	0.1		1009	0.4	0.1
	1621	1.8	0.5		1618	2.4	0.7
	2218	0.4	0.1		2228	0.4	0.1
7 Th	0444	2.2	0.7	22 F	0449	2.8	0.9
	1113	0.3	0.1		1114	0.3	0.1
	1717	1.8	0.5		1725	2.6	0.8
	2318	0.3	0.1		2336	0.2	0.1
8 F	0536	2.2	0.7	23 Sa	0554	2.8	0.9
	1201	0.2	0.1		1211	0.1	0.0
	1806	1.9	0.6		1824	2.8	0.9
9 Sa	0011	0.2	0.1	24 Su	0038	0.1	0.0
	0625	2.2	0.7		0651	2.8	0.9
	1243	0.0	0.0		1302	0.0	0.0
	1851	2.1	0.6		1917	2.9	0.9
10 Su	0059	0.0	0.0	25 M	0134	-0.1	0.0
	0709	2.2	0.7		0741	2.8	0.9
	1322	-0.1	0.0		1351	-0.1	0.0
	1933	2.2	0.7		2007	3.1	0.9
11 M	0141	-0.2	-0.1	26 Tu	0224	-0.2	-0.1
	0750	2.2	0.7		0831	2.7	0.8
	1359	-0.2	-0.1		1436	-0.2	-0.1
	2010	2.4	0.7		2054	3.1	0.9
12 Tu	0223	-0.3	-0.1	27 W	0312	-0.2	-0.1
	0828	2.3	0.7		0916	2.7	0.8
	1434	-0.3	-0.1		1518	-0.2	-0.1
	2047	2.5	0.8		2137	3.1	0.9
13 W	0303	-0.3	-0.1	28 Th	0358	-0.2	-0.1
	0908	2.3	0.7		0958	2.5	0.8
	1509	-0.3	-0.1		1558	-0.1	0.0
	2127	2.7	0.8		2218	3.0	0.9
14 Th	0342	-0.3	-0.1	29 F	0442	-0.1	0.0
	0945	2.3	0.7		1040	2.4	0.7
	1545	-0.3	-0.1		1639	0.0	0.0
	2205	2.8	0.9		2300	2.9	0.9
15 F	0424	-0.2	-0.1	30 Sa	0525	0.0	0.0
	1024	2.3	0.7		1122	2.3	0.7
	1624	-0.2	-0.1		1719	0.1	0.0
	2247	2.9	0.9		2343	2.7	0.8

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0609	0.2	0.1	16 M	0546	0.0	0.0
	1207	2.1	0.6		1148	2.4	0.7
	1802	0.3	0.1		1746	0.1	0.0
2 M	0027	2.6	0.8	17 Tu	0015	3.0	0.9
	0655	0.3	0.1		0642	0.1	0.0
	1255	2.0	0.6		1246	2.4	0.7
	1849	0.4	0.1		1847	0.2	0.1
3 Tu	0112	2.4	0.7	18 W	0113	2.9	0.9
	0742	0.3	0.1		0742	0.2	0.1
	1345	1.9	0.6		1349	2.5	0.8
	1939	0.5	0.2		1953	0.3	0.1
4 W	0203	2.3	0.7	19 Th	0219	2.8	0.9
	0835	0.4	0.1		0845	0.3	0.1
	1440	1.9	0.6		1458	2.5	0.8
	2036	0.5	0.2		2105	0.4	0.1
5 Th	0257	2.2	0.7	20 F	0326	2.7	0.8
	0929	0.4	0.1		0948	0.3	0.1
	1539	1.9	0.6		1606	2.6	0.8
	2136	0.5	0.2		2218	0.4	0.1
6 F	0353	2.1	0.6	21 Sa	0430	2.7	0.8
	1021	0.3	0.1		1049	0.2	0.1
	1633	1.9	0.6		1707	2.7	0.8
	2236	0.4	0.1		2324	0.3	0.1
7 Sa	0449	2.1	0.6	22 Su	0532	2.6	0.8
	1108	0.2	0.1		1144	0.1	0.0
	1723	2.1	0.6		1806	2.8	0.9
	2331	0.2	0.1				
8 Su	0539	2.1	0.6	23 M	0024	0.1	0.0
	1152	0.0	0.0		0629	2.6	0.8
	1808	2.2	0.7		1236	0.0	0.0
					1857	2.9	0.9
9 M	0021	0.0	0.0	24 Tu	0117	0.0	0.0
	0625	2.1	0.6		0720	2.5	0.8
	1234	-0.1	0.0		1323	-0.1	0.0
	1853	2.4	0.7		1946	3.0	0.9
10 Tu	0107	-0.1	0.0	25 W	0207	-0.1	0.0
	0711	2.1	0.6		0807	2.4	0.7
	1315	-0.2	-0.1		1407	-0.1	0.0
	1934	2.5	0.8		2030	3.0	0.9
11 W	0154	-0.2	-0.1	26 Th	0254	-0.1	0.0
	0753	2.2	0.7		0852	2.3	0.7
	1353	-0.3	-0.1		1449	-0.1	0.0
	2016	2.7	0.8		2111	2.9	0.9
12 Th	0236	-0.3	-0.1	27 F	0339	-0.1	0.0
	0837	2.3	0.7		0935	2.2	0.7
	1436	-0.3	-0.1		1530	-0.1	0.0
	2059	2.9	0.9		2155	2.8	0.9
13 F	0322	-0.3	-0.1	28 Sa	0421	-0.1	0.0
	0920	2.3	0.7		1016	2.1	0.6
	1518	-0.3	-0.1		1612	0.0	0.0
	2143	3.0	0.9		2235	2.7	0.8
14 Sa	0407	-0.3	-0.1	29 Su	0501	-0.1	0.0
	1006	2.3	0.7		1058	2.1	0.6
	1603	-0.2	-0.1		1652	0.1	0.0
	2229	3.0	0.9		2314	2.6	0.8
15 Su	0457	-0.2	-0.1	30 M	0543	0.0	0.0
	1056	2.4	0.7		1140	2.0	0.6
	1653	-0.1	0.0		1734	0.2	0.1
	2320	3.0	0.9		2357	2.5	0.8
				31 Tu	0626	0.1	0.0
					1226	1.9	0.6
					1818	0.3	0.1

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0039	2.3	0.7	16 Th	0102	2.9	0.9
	0708	0.2	0.1		0726	0.1	0.0
	1311	1.9	0.6		1339	2.6	0.8
	1905	0.4	0.1		1945	0.2	0.1
2 Th	0123	2.2	0.7	17 F	0203	2.8	0.9
	0752	0.2	0.1		0825	0.2	0.1
	1401	1.9	0.6		1441	2.7	0.8
	1958	0.4	0.1		2054	0.3	0.1
3 F	0213	2.1	0.6	18 Sa	0305	2.6	0.8
	0838	0.2	0.1		0923	0.2	0.1
	1453	1.9	0.6		1545	2.7	0.8
	2055	0.4	0.1		2201	0.3	0.1
4 Sa	0304	2.0	0.6	19 Su	0407	2.5	0.8
	0924	0.2	0.1		1021	0.2	0.1
	1545	2.0	0.6		1647	2.8	0.9
	2153	0.3	0.1		2307	0.3	0.1
5 Su	0357	2.0	0.6	20 M	0507	2.4	0.7
	1013	0.1	0.0		1115	0.1	0.0
	1634	2.1	0.6		1745	2.8	0.9
	2250	0.2	0.1				
6 M	0450	1.9	0.6	21 Tu	0008	0.2	0.1
	1059	0.0	0.0		0603	2.3	0.7
	1723	2.3	0.7		1208	0.1	0.0
	2342	0.1	0.0		1835	2.8	0.9
7 Tu	0542	2.0	0.6	22 W	0101	0.1	0.0
	1146	-0.1	0.0		0656	2.2	0.7
	1811	2.5	0.8		1256	0.0	0.0
					1923	2.8	0.9
8 W	0033	-0.1	0.0	23 Th	0151	0.0	0.0
	0632	2.0	0.6		0744	2.1	0.6
	1233	-0.2	-0.1		1342	0.0	0.0
	1901	2.6	0.8		2008	2.8	0.9
9 Th	0125	-0.2	-0.1	24 F	0236	-0.1	0.0
	0721	2.1	0.6		0830	2.1	0.6
	1318	-0.3	-0.1		1424	-0.1	0.0
	1947	2.8	0.9		2051	2.7	0.8
10 F	0214	-0.3	-0.1	25 Sa	0318	-0.1	0.0
	0810	2.2	0.7		0914	2.0	0.6
	1407	-0.4	-0.1		1506	-0.1	0.0
	2037	3.0	0.9		2131	2.6	0.8
11 Sa	0301	-0.4	-0.1	26 Su	0358	-0.2	-0.1
	0900	2.3	0.7		0955	2.0	0.6
	1457	-0.4	-0.1		1547	-0.1	0.0
	2126	3.1	0.9		2210	2.6	0.8
12 Su	0352	-0.3	-0.1	27 M	0437	-0.1	0.0
	0951	2.4	0.7		1035	2.0	0.6
	1549	-0.3	-0.1		1627	0.0	0.0
	2217	3.1	0.9		2247	2.5	0.8
13 M	0442	-0.3	-0.1	28 Tu	0514	-0.1	0.0
	1044	2.5	0.8		1114	1.9	0.6
	1643	-0.2	-0.1		1709	0.1	0.0
	2309	3.1	0.9		2325	2.4	0.7
14 Tu	0535	-0.2	-0.1	29 W	0551	-0.1	0.0
	1140	2.5	0.8		1154	1.9	0.6
	1741	-0.1	0.0		1749	0.1	0.0
15 W	0005	3.0	0.9	30 Th	0005	2.3	0.7
	0630	-0.1	0.0		0631	0.0	0.0
	1238	2.6	0.8		1236	1.9	0.6
	1842	0.1	0.0		1833	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

HAMPTON ROADS (Sewells Pt.), VA., 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0045	2.2	0.7
	0708	0.1	0.0
	1320	2.0	0.6
	1920	0.3	0.1
2 Sa	0127	2.1	0.6
	0748	0.1	0.0
	1406	2.0	0.6
	2011	0.3	0.1
3 Su	0212	2.0	0.6
	0830	0.1	0.0
	1454	2.1	0.6
	2106	0.3	0.1
4 M	0306	1.9	0.6
	0918	0.1	0.0
	1548	2.2	0.7
	2204	0.2	0.1
5 Tu	0402	1.9	0.6
	1009	0.0	0.0
	1641	2.4	0.7
	2304	0.1	0.0
6 W	0457	1.9	0.6
	1101	-0.1	0.0
	1736	2.5	0.8
7 Th	0002	0.0	0.0
	0556	2.0	0.6
	1158	-0.2	-0.1
	1832	2.7	0.8
8 F	0058	-0.1	0.0
	0653	2.1	0.6
	1253	-0.3	-0.1
	1925	2.9	0.9
9 Sa	0153	-0.3	-0.1
	0749	2.2	0.7
	1349	-0.4	-0.1
	2018	3.1	0.9
10 Su	0244	-0.3	-0.1
	0842	2.4	0.7
	1444	-0.4	-0.1
	2112	3.2	1.0
11 M	0335	-0.4	-0.1
	0938	2.5	0.8
	1539	-0.4	-0.1
	2203	3.2	1.0
12 Tu	0426	-0.3	-0.1
	1032	2.7	0.8
	1635	-0.3	-0.1
	2256	3.2	1.0
13 W	0518	-0.3	-0.1
	1127	2.8	0.9
	1732	-0.1	0.0
	2349	3.1	0.9
14 Th	0610	-0.1	0.0
	1223	2.8	0.9
	1830	0.0	0.0
15 F	0044	2.9	0.9
	0702	0.0	0.0
	1319	2.8	0.9
	1930	0.2	0.1
16 Sa	0142	2.8	0.9
	0758	0.1	0.0
	1420	2.8	0.9
	2035	0.3	0.1
17 Su	0241	2.6	0.8
	0853	0.2	0.1
	1520	2.8	0.9
	2140	0.4	0.1
18 M	0340	2.4	0.7
	0949	0.3	0.1
	1619	2.8	0.9
	2245	0.4	0.1
19 Tu	0440	2.2	0.7
	1046	0.3	0.1
	1717	2.7	0.8
	2347	0.4	0.1
20 W	0539	2.1	0.6
	1140	0.2	0.1
	1812	2.7	0.8
21 Th	0040	0.3	0.1
	0635	2.1	0.6
	1231	0.2	0.1
	1859	2.7	0.8
22 F	0130	0.1	0.0
	0722	2.0	0.6
	1320	0.1	0.0
	1945	2.7	0.8
23 Sa	0213	0.0	0.0
	0807	2.0	0.6
	1403	0.0	0.0
	2028	2.6	0.8
24 Su	0254	-0.1	0.0
	0851	2.0	0.6
	1444	0.0	0.0
	2108	2.6	0.8
25 M	0331	-0.1	0.0
	0931	2.0	0.6
	1526	-0.1	0.0
	2145	2.5	0.8
26 Tu	0408	-0.2	-0.1
	1008	2.1	0.6
	1605	0.0	0.0
	2221	2.5	0.8
27 W	0443	-0.1	0.0
	1047	2.1	0.6
	1642	0.0	0.0
	2257	2.4	0.7
28 Th	0517	-0.1	0.0
	1122	2.1	0.6
	1721	0.1	0.0
	2332	2.3	0.7
29 F	0549	0.0	0.0
	1159	2.2	0.7
	1801	0.2	0.1
30 Sa	0009	2.2	0.7
	0623	0.1	0.0
	1238	2.2	0.7
	1844	0.3	0.1
31 Su	0047	2.2	0.7
	0700	0.1	0.0
	1321	2.3	0.7
	1932	0.3	0.1

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0132	2.1	0.6
	0742	0.2	0.1
	1409	2.4	0.7
	2027	0.4	0.1
2 Tu	0222	2.0	0.6
	0831	0.2	0.1
	1505	2.5	0.8
	2126	0.4	0.1
3 W	0321	2.0	0.6
	0927	0.2	0.1
	1604	2.6	0.8
	2231	0.3	0.1
4 Th	0423	2.0	0.6
	1029	0.1	0.0
	1706	2.7	0.8
	2336	0.2	0.1
5 F	0529	2.1	0.6
	1132	0.0	0.0
	1807	2.9	0.9
6 Sa	0037	0.1	0.0
	0633	2.3	0.7
	1237	-0.1	0.0
	1906	3.1	0.9
7 Su	0133	-0.1	0.0
	0733	2.5	0.8
	1333	-0.2	-0.1
	2002	3.2	1.0
8 M	0226	-0.2	-0.1
	0828	2.7	0.8
	1432	-0.3	-0.1
	2056	3.3	1.0
9 Tu	0316	-0.3	-0.1
	0921	2.9	0.9
	1527	-0.3	-0.1
	2149	3.3	1.0
10 W	0407	-0.3	-0.1
	1015	3.0	0.9
	1623	-0.2	-0.1
	2239	3.3	1.0
11 Th	0455	-0.2	-0.1
	1108	3.1	0.9
	1717	-0.1	0.0
	2330	3.2	1.0
12 F	0545	-0.1	0.0
	1200	3.1	0.9
	1813	0.1	0.0
13 Sa	0023	3.0	0.9
	0634	0.1	0.0
	1255	3.1	0.9
	1909	0.3	0.1
14 Su	0115	2.8	0.9
	0727	0.3	0.1
	1350	3.0	0.9
	2009	0.5	0.2
15 M	0212	2.6	0.8
	0819	0.4	0.1
	1447	2.9	0.9
	2113	0.6	0.2
16 Tu	0310	2.4	0.7
	0915	0.5	0.2
	1550	2.8	0.9
	2219	0.6	0.2
17 W	0414	2.2	0.7
	1015	0.5	0.2
	1649	2.7	0.8
	2320	0.6	0.2
18 Th	0513	2.1	0.6
	1113	0.5	0.2
	1744	2.7	0.8
19 F	0017	0.5	0.2
	0611	2.1	0.6
	1206	0.4	0.1
	1834	2.7	0.8
20 Sa	0106	0.3	0.1
	0701	2.1	0.6
	1257	0.3	0.1
	1920	2.6	0.8
21 Su	0147	0.2	0.1
	0746	2.2	0.7
	1341	0.2	0.1
	2002	2.6	0.8
22 M	0224	0.1	0.0
	0825	2.2	0.7
	1423	0.1	0.0
	2040	2.6	0.8
23 Tu	0301	0.0	0.0
	0904	2.3	0.7
	1503	0.0	0.0
	2119	2.6	0.8
24 W	0334	-0.1	0.0
	0939	2.3	0.7
	1540	0.0	0.0
	2152	2.6	0.8
25 Th	0407	0.0	0.0
	1013	2.4	0.7
	1616	0.0	0.0
	2227	2.5	0.8
26 F	0439	0.0	0.0
	1048	2.5	0.8
	1654	0.1	0.0
	2259	2.4	0.7
27 Sa	0509	0.1	0.0
	1125	2.5	0.8
	1730	0.2	0.1
	2335	2.4	0.7
28 Su	0542	0.2	0.1
	1202	2.6	0.8
	1813	0.3	0.1
29 M	0013	2.3	0.7
	0618	0.3	0.1
	1243	2.6	0.8
	1858	0.5	0.2
30 Tu	0057	2.3	0.7
	0700	0.3	0.1
	1332	2.7	0.8
	1953	0.6	0.2
31 W	0148	2.2	0.7
	0753	0.4	0.1
	1430	2.7	0.8
	2058	0.6	0.2

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0250	2.2	0.7
	0857	0.4	0.1
	1536	2.8	0.9
	2205	0.6	0.2
2 F	0401	2.3	0.7
	1006	0.4	0.1
	1644	2.9	0.9
	2314	0.5	0.2
3 Sa	0513	2.4	0.7
	1118	0.3	0.1
	1750	3.0	0.9
4 Su	0016	0.3	0.1
	0617	2.6	0.8
	1224	0.1	0.0
	1851	3.2	1.0
5 M	0113	0.1	0.0
	0717	2.9	0.9
	1325	0.0	0.0
	1946	3.3	1.0
6 Tu	0205	0.0	0.0
	0813	3.1	0.9
	1421	-0.1	0.0
	2039	3.4	1.0
7 W	0255	-0.1	0.0
	0905	3.3	1.0
	1516	-0.2	-0.1
	2131	3.4	1.0
8 Th	0343	-0.1	0.0
	0955	3.4	1.0
	1608	-0.1	0.0
	2220	3.3	1.0
9 F	0429	-0.1	0.0
	1043	3.4	1.0
	1658	0.0	0.0
	2307	3.2	1.0
10 Sa	0517	0.1	0.0
	1135	3.4	1.0
	1751	0.2	0.1
	2357	3.0	0.9
11 Su	0603	0.3	0.1
	1226	3.3	1.0
	1845	0.4	0.1
12 M	0047	2.8	0.9
	0652	0.4	0.1
	1319	3.1	0.9
	1940	0.6	0.2
13 Tu	0140	2.6	0.8
	0745	0.6	0.2
	1412	2.9	0.9
	2040	0.7	0.2
14 W	0238	2.4	0.7
	0843	0.7	0.2
	1513	2.8	0.9
	2145	0.8	0.2
15 Th	0343	2.3	0.7
	0945	0.8	0.2
	1613	2.7	0.8
	2249	0.7	0.2
16 F	0445	2.2	0.7
	1045	0.7	0.2
	1711	2.6	0.8
	2341	0.6	0.2
17 Sa	0542	2.2	0.7
	1139	0.6	0.2
	1803	2.6	0.8
18 Su	0029	0.5	0.2
	0632	2.3	0.7
	1232	0.5	0.2
	1848	2.6	0.8
19 M	0112	0.3	0.1
	0714	2.3	0.7
	1317	0.3	0.1
	1930	2.6	0.8
20 Tu	0149	0.2	0.1
	0754	2.4	0.7
	1359	0.2	0.1
	2010	2.6	0.8
21 W	0224	0.1	0.0
	0831	2.5	0.8
	1436	0.1	0.0
	2047	2.6	0.8
22 Th	0256	0.0	0.0
	0906	2.6	0.8
	1514	0.0	0.0
	2122	2.6	0.8
23 F	0329	0.0	0.0
	0939	2.7	0.8
	1551	0.1	0.0
	2156	2.6	0.8
24 Sa	0359	0.1	0.0
	1014	2.8	0.9
	1628	0.1	0.0
	2230	2.5	0.8
25 Su	0432	0.2	0.1
	1051	2.8	0.9
	1705	0.2	0.1
	2304	2.5	0.8
26 M	0506	0.2	0.1
	1128	2.9	0.9
	1749	0.4	0.1
	2346	2.4	0.7
27 Tu	0546	0.4	0.1
	1214	2.9	0.9
	1836	0.5	0.2
28 W	0033	2.4	0.7
	0634	0.5	0.2
	1307	2.9	0.9
	1933	0.6	0.2
29 Th	0129	2.4	0.7
	0731	0.6	0.2
	1406	2.9	0.9
	2037	0.7	0.2
30 F	0235	2.4	0.7
	0840	0.6	0.2
	1516	2.9	0.9
	2147	0.7	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0348	2.5	0.8	16	0507	2.2	0.7
Sa	0956	0.6	0.2	Su	1108	0.6	0.2
	1629	3.0	0.9		1723	2.5	0.8
	2255	0.6	0.2		2347	0.4	0.1
2	0502	2.7	0.8	17	0556	2.3	0.7
Su	1110	0.5	0.2	M	1201	0.5	0.2
	1736	3.1	0.9		1811	2.4	0.7
	2357	0.4	0.1				
3	0604	2.9	0.9	18	0029	0.3	0.1
M	1216	0.3	0.1	Tu	0639	2.4	0.7
	1835	3.2	1.0		1245	0.3	0.1
					1854	2.5	0.8
4	0053	0.2	0.1	19	0106	0.1	0.0
Tu	0702	3.1	0.9	W	0717	2.5	0.8
	1315	0.1	0.0		1330	0.1	0.0
	1931	3.3	1.0		1936	2.5	0.8
5	0142	0.1	0.0	20	0141	0.0	0.0
W	0755	3.3	1.0	Th	0756	2.6	0.8
	1410	0.0	0.0		1408	0.0	0.0
	2023	3.3	1.0		2014	2.5	0.8
6	0231	0.0	0.0	21	0217	0.0	0.0
Th	0846	3.5	1.1	F	0831	2.7	0.8
	1501	-0.1	0.0		1447	-0.1	0.0
	2110	3.3	1.0		2050	2.4	0.7
7	0318	0.0	0.0	22	0252	0.0	0.0
F	0933	3.5	1.1	Sa	0908	2.8	0.9
	1551	0.0	0.0		1526	-0.1	0.0
	2157	3.2	1.0		2127	2.4	0.7
8	0403	0.0	0.0	23	0327	0.0	0.0
Sa	1021	3.5	1.1	Su	0946	2.9	0.9
	1640	0.1	0.0		1607	0.0	0.0
	2243	3.0	0.9		2203	2.4	0.7
9	0447	0.1	0.0	24	0402	0.0	0.0
Su	1109	3.4	1.0	M	1024	3.0	0.9
	1729	0.2	0.1		1645	0.1	0.0
	2330	2.8	0.9		2245	2.4	0.7
10	0532	0.3	0.1	25	0440	0.1	0.0
M	1155	3.2	1.0	Tu	1107	3.0	0.9
	1818	0.4	0.1		1731	0.2	0.1
					2328	2.4	0.7
11	0019	2.6	0.8	26	0526	0.3	0.1
Tu	0619	0.5	0.2	W	1154	3.0	0.9
	1243	3.0	0.9		1823	0.4	0.1
	1910	0.6	0.2				
12	0109	2.4	0.7	27	0019	2.4	0.7
W	0708	0.7	0.2	Th	0618	0.4	0.1
	1337	2.9	0.9		1249	3.0	0.9
	2008	0.7	0.2		1919	0.5	0.2
13	0206	2.3	0.7	28	0119	2.4	0.7
Th	0805	0.8	0.2	F	0721	0.5	0.2
	1433	2.7	0.8		1353	2.9	0.9
	2106	0.7	0.2		2022	0.6	0.2
14	0309	2.2	0.7	29	0227	2.5	0.8
F	0906	0.8	0.2	Sa	0833	0.6	0.2
	1532	2.6	0.8		1502	2.9	0.9
	2206	0.7	0.2		2129	0.6	0.2
15	0411	2.2	0.7	30	0340	2.6	0.8
Sa	1008	0.8	0.2	Su	0949	0.6	0.2
	1629	2.5	0.8		1612	2.9	0.9
	2300	0.6	0.2		2235	0.5	0.2
				31	0449	2.7	0.8
				M	1100	0.4	0.1
					1718	2.9	0.9
					2335	0.3	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0550	2.9	0.9	16	0556	2.3	0.7
Tu	1206	0.3	0.1	W	1211	0.1	0.0
	1816	2.9	0.9		1811	2.1	0.6
2	0029	0.2	0.1	17	0019	0.0	0.0
W	0647	3.1	0.9	Th	0638	2.4	0.7
	1304	0.1	0.0		1256	0.0	0.0
	1912	2.9	0.9		1857	2.1	0.6
3	0120	0.0	0.0	18	0059	-0.1	0.0
Th	0738	3.3	1.0	F	0719	2.5	0.8
	1357	0.0	0.0		1339	-0.2	-0.1
	2002	2.9	0.9		1938	2.1	0.6
4	0207	-0.1	0.0	19	0138	-0.2	-0.1
F	0827	3.3	1.0	Sa	0759	2.7	0.8
	1447	-0.1	0.0		1421	-0.2	-0.1
	2050	2.9	0.9		2019	2.1	0.6
5	0252	-0.1	0.0	20	0216	-0.3	-0.1
Sa	0912	3.3	1.0	Su	0840	2.8	0.9
	1535	-0.1	0.0		1503	-0.3	-0.1
	2136	2.8	0.9		2101	2.2	0.7
6	0337	0.0	0.0	21	0256	-0.3	-0.1
Su	0958	3.3	1.0	M	0921	2.9	0.9
	1621	0.0	0.0		1547	-0.3	-0.1
	2220	2.6	0.8		2143	2.2	0.7
7	0419	0.1	0.0	22	0337	-0.2	-0.1
M	1040	3.1	0.9	Tu	1005	2.9	0.9
	1706	0.1	0.0		1631	-0.2	-0.1
	2306	2.5	0.8		2228	2.3	0.7
8	0502	0.2	0.1	23	0424	-0.1	0.0
Tu	1127	3.0	0.9	W	1052	2.9	0.9
	1754	0.2	0.1		1719	-0.1	0.0
	2354	2.3	0.7		2317	2.3	0.7
9	0548	0.3	0.1	24	0514	0.0	0.0
W	1212	2.8	0.9	Th	1143	2.9	0.9
	1841	0.3	0.1		1810	0.1	0.0
10	0041	2.2	0.7	25	0010	2.3	0.7
Th	0636	0.5	0.2	F	0610	0.1	0.0
	1258	2.6	0.8		1239	2.8	0.9
	1931	0.4	0.1		1907	0.2	0.1
11	0135	2.1	0.6	26	0111	2.4	0.7
F	0727	0.6	0.2	Sa	0713	0.3	0.1
	1350	2.4	0.7		1340	2.7	0.8
	2022	0.5	0.2		2006	0.2	0.1
12	0229	2.0	0.6	27	0218	2.4	0.7
Sa	0827	0.6	0.2	Su	0825	0.4	0.1
	1443	2.3	0.7		1445	2.7	0.8
	2117	0.4	0.1		2109	0.3	0.1
13	0325	2.0	0.6	28	0327	2.5	0.8
Su	0927	0.6	0.2	M	0939	0.3	0.1
	1541	2.2	0.7		1553	2.6	0.8
	2206	0.4	0.1		2212	0.2	0.1
14	0421	2.1	0.6	29	0433	2.7	0.8
M	1028	0.5	0.2	Tu	1049	0.3	0.1
	1634	2.1	0.6		1659	2.5	0.8
	2254	0.3	0.1		2310	0.1	0.0
15	0510	2.1	0.6	30	0534	2.8	0.9
Tu	1121	0.3	0.1	W	1153	0.1	0.0
	1726	2.1	0.6		1758	2.5	0.8
	2339	0.1	0.0				

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0006	0.0	0.0	16	0555	2.2	0.7
Th	0628	2.9	0.9	F	1221	-0.2	-0.1
	1251	0.0	0.0		1814	1.7	0.5
	1853	2.5	0.8				
2	0056	-0.1	0.0	17	0015	-0.3	-0.1
F	0720	3.0	0.9	Sa	0645	2.3	0.7
	1344	-0.1	0.0		1309	-0.3	-0.1
	1943	2.4	0.7		1903	1.8	0.5
3	0145	-0.2	-0.1	18	0101	-0.4	-0.1
Sa	0808	3.0	0.9	Su	0730	2.5	0.8
	1433	-0.2	-0.1		1354	-0.4	-0.1
	2031	2.3	0.7		1949	1.9	0.6
4	0229	-0.2	-0.1	19	0147	-0.5	-0.2
Su	0852	3.0	0.9	M	0815	2.7	0.8
	1519	-0.3	-0.1		1440	-0.5	-0.2
	2116	2.3	0.7		2037	2.0	0.6
5	0314	-0.2	-0.1	20	0236	-0.6	-0.2
M	0936	2.9	0.9	Tu	0903	2.8	0.9
	1602	-0.2	-0.1		1527	-0.5	-0.2
	2200	2.2	0.7		2127	2.1	0.6
6	0355	-0.2	-0.1	21	0323	-0.5	-0.2
Tu	1018	2.8	0.9	W	0950	2.8	0.9
	1647	-0.2	-0.1		1615	-0.5	-0.2
	2243	2.1	0.6		2217	2.2	0.7
7	0437	-0.1	0.0	22	0413	-0.5	-0.2
W	1100	2.6	0.8	Th	1039	2.8	0.9
	1728	-0.1	0.0		1704	-0.4	-0.1
	2325	2.0	0.6		2308	2.3	0.7
8	0520	0.0	0.0	23	0509	-0.3	-0.1
Th	1141	2.5	0.8	F	1132	2.8	0.9
	1809	0.0	0.0		1756	-0.3	-0.1
9	0012	1.9	0.6	24	0002	2.3	0.7
F	0605	0.1	0.0	Sa	0605	-0.2	-0.1
	1223	2.3	0.7		1226	2.7	0.8
	1852	0.0	0.0		1848	-0.2	-0.1
10	0058	1.9	0.6	25	0100	2.4	0.7
Sa	0652	0.2	0.1	Su	0708	0.0	0.0
	1308	2.1	0.6		1324	2.6	0.8
	1935	0.1	0.0		1945	-0.1	0.0
11	0147	1.8	0.5	26	0203	2.5	0.8
Su	0743	0.3	0.1	M	0814	0.1	0.0
	1354	2.0	0.6		1425	2.4	0.7
	2022	0.1	0.0		2043	0.0	0.0
12	0237	1.8	0.5	27	0307	2.5	0.8
M	0840	0.3	0.1	Tu	0924	0.1	0.0
	1445	1.9	0.6		1531	2.3	0.7
	2109	0.1	0.0		2144	0.0	0.0
13	0329	1.9	0.6	28	0410	2.5	0.8
Tu	0936	0.2	0.1	W	1033	0.1	0.0
	1538	1.8	0.5		1634	2.2	0.7
	2156	0.0	0.0		2244	0.0	0.0
14	0419	1.9	0.6	29	0513	2.6	0.8
W	1036	0.1	0.0	Th	1139	0.0	0.0
	1633	1.7	0.5		1736	2.1	0.6
	2242	-0.1	0.0		2340	-0.1	0.0
15	0509	2.1	0.6	30	0612	2.6	0.8
Th	1129	0.0	0.0	F	1237	-0.1	0.0
	1723	1.7	0.5		1835	2.0	0.6
	2331	-0.2	-0.1				
				31	0033	-0.2	-0.1
				Sa	0702	2.7	0.8
					1331	-0.2	-0.1
					1926	2.0	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0523	-0.7	-0.2	16	0520	-0.2	-0.1
Sa	1103	4.9	1.5	Su	1102	4.1	1.2
	1814	-0.4	-0.1		1757	0.0	0.0
	2335	4.1	1.2		2259	3.6	1.1
2	0615	-0.6	-0.2	17	0559	-0.1	0.0
Su	1159	4.7	1.4	M	1122	4.1	1.2
	1904	-0.4	-0.1		1836	0.1	0.0
					2323	3.6	1.1
3	0033	4.0	1.2	18	0639	0.0	0.0
M	0708	-0.5	-0.2	Tu	1149	4.0	1.2
	1256	4.5	1.4		1914	0.1	0.0
	1953	-0.3	-0.1				
4	0132	4.0	1.2	19	0000	3.7	1.1
Tu	0802	-0.4	-0.1	W	0723	0.0	0.0
	1353	4.3	1.3		1227	4.0	1.2
	2043	-0.3	-0.1		1955	0.1	0.0
5	0230	4.0	1.2	20	0042	3.8	1.2
W	0857	-0.3	-0.1	Th	0809	0.1	0.0
	1449	4.1	1.2		1311	3.9	1.2
	2133	-0.3	-0.1		2035	0.0	0.0
6	0326	4.0	1.2	21	0136	3.9	1.2
Th	0954	-0.2	-0.1	F	0905	0.2	0.1
	1542	3.9	1.2		1409	3.8	1.2
	2222	-0.3	-0.1		2123	-0.1	0.0
7	0421	4.0	1.2	22	0232	4.0	1.2
F	1051	-0.1	0.0	Sa	1008	0.2	0.1
	1638	3.8	1.2		1511	3.8	1.2
	2313	-0.3	-0.1		2220	-0.1	0.0
8	0514	4.1	1.2	23	0337	4.1	1.2
Sa	1147	-0.1	0.0	Su	1115	0.2	0.1
	1729	3.7	1.1		1618	3.7	1.1
					2321	-0.2	-0.1
9	0003	-0.4	-0.1	24	0447	4.2	1.3
Su	0608	4.1	1.2	M	1222	0.1	0.0
	1243	-0.2	-0.1		1726	3.7	1.1
	1821	3.7	1.1				
10	0054	-0.4	-0.1	25	0025	-0.4	-0.1
M	0659	4.2	1.3	Tu	0555	4.4	1.3
	1336	-0.2	-0.1		1325	0.0	0.0
	1910	3.7	1.1		1832	3.8	1.2
11	0141	-0.5	-0.2	26	0126	-0.5	-0.2
Tu	0747	4.2	1.3	W	0659	4.6	1.4
	1426	-0.2	-0.1		1425	-0.2	-0.1
	1959	3.7	1.1		1933	3.9	1.2
12	0227	-0.5	-0.2	27	0226	-0.6	-0.2
W	0834	4.3	1.3	Th	0802	4.7	1.4
	1512	-0.2	-0.1		1520	-0.4	-0.1
	2044	3.7	1.1		2031	4.1	1.2
13	0312	-0.4	-0.1	28	0322	-0.7	-0.2
Th	0919	4.3	1.3	F	0900	4.8	1.5
	1555	-0.2	-0.1		1612	-0.5	-0.2
	2127	3.6	1.1		2129	4.2	1.3
14	0356	-0.4	-0.1	29	0415	-0.8	-0.2
F	0959	4.2	1.3	Sa	0956	4.8	1.5
	1638	-0.1	0.0		1701	-0.5	-0.2
	2205	3.6	1.1		2225	4.3	1.3
15	0438	-0.3	-0.1	30	0507	-0.8	-0.2
Sa	1033	4.2	1.3	Su	1050	4.8	1.5
	1718	0.0	0.0		1750	-0.5	-0.2
	2237	3.6	1.1		2318	4.3	1.3
				31	0558	-0.7	-0.2
				M	1142	4.6	1.4
					1836	-0.4	-0.1

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0013	4.3	1.3	16	0623	0.0	0.0
Tu	0649	-0.5	-0.2	W	1125	4.1	1.2
	1234	4.4	1.3		1844	0.1	0.0
	1923	-0.3	-0.1		2332	4.2	1.3
2	0105	4.2	1.3	17	0705	0.0	0.0
W	0738	-0.4	-0.1	Th	1202	4.1	1.2
	1325	4.2	1.3		1921	0.0	0.0
	2009	-0.3	-0.1				
3	0201	4.2	1.3	18	0015	4.3	1.3
Th	0830	-0.2	-0.1	F	0751	0.1	0.0
	1418	4.0	1.2		1247	4.0	1.2
	2054	-0.2	-0.1		2003	0.0	0.0
4	0254	4.1	1.2	19	0105	4.3	1.3
F	0923	-0.1	0.0	Sa	0846	0.2	0.1
	1510	3.8	1.2		1343	3.9	1.2
	2142	-0.1	0.0		2049	0.0	0.0
5	0347	4.0	1.2	20	0203	4.3	1.3
Sa	1019	0.0	0.0	Su	0949	0.3	0.1
	1605	3.6	1.1		1446	3.8	1.2
	2233	-0.1	0.0		2149	-0.1	0.0
6	0442	4.0	1.2	21	0310	4.3	1.3
Su	1115	0.0	0.0	M	1055	0.3	0.1
	1700	3.6	1.1		1558	3.7	1.1
	2324	-0.2	-0.1		2255	-0.1	0.0
7	0536	4.0	1.2	22	0423	4.3	1.3
M	1211	0.0	0.0	Tu	1201	0.2	0.1
	1752	3.6	1.1		1710	3.7	1.1
8	0019	-0.2	-0.1	23	0003	-0.2	-0.1
Tu	0629	4.0	1.2	W	0537	4.4	1.3
	1305	0.0	0.0		1304	0.0	0.0
	1843	3.6	1.1		1817	3.9	1.2
9	0110	-0.3	-0.1	24	0109	-0.4	-0.1
W	0720	4.1	1.2	Th	0645	4.5	1.4
	1355	-0.1	0.0		1404	-0.2	-0.1
	1933	3.7	1.1		1920	4.1	1.2
10	0200	-0.3	-0.1	25	0208	-0.5	-0.2
Th	0809	4.2	1.3	F	0749	4.7	1.4
	1443	-0.1	0.0		1458	-0.3	-0.1
	2021	3.7	1.1		2018	4.3	1.3
11	0248	-0.4	-0.1	26	0305	-0.6	-0.2
F	0855	4.2	1.3	Sa	0845	4.7	1.4
	1528	-0.2	-0.1		1549	-0.4	-0.1
	2103	3.8	1.2		2114	4.5	1.4
12	0334	-0.3	-0.1	27	0359	-0.7	-0.2
Sa	0934	4.2	1.3	Su	0940	4.7	1.4
	1610	-0.1	0.0		1637	-0.5	-0.2
	2142	3.8	1.2		2207	4.6	1.4
13	0417	-0.3	-0.1	28	0451	-0.7	-0.2
Su	1009	4.2	1.3	M	1030	4.7	1.4
	1650	-0.1	0.0		1722	-0.4	-0.1
	2210	3.8	1.2		2258	4.6	1.4
14	0459	-0.2	-0.1				
M	1035	4.2	1.3				
	1728	0.0	0.0				
	2230	3.9	1.2				
15	0540	-0.1	0.0				
Tu	1057	4.1	1.2				
	1805	0.0	0.0				
	2257	4.0	1.2				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0539	-0.6	-0.2	16	0522	-0.1	0.0
Tu	1118	4.5	1.4	W	1032	4.2	1.3
	1806	-0.3	-0.1		1735	0.1	0.0
	2345	4.6	1.4		2231	4.5	1.4
2	0627	-0.4	-0.1	17	0605	0.0	0.0
W	1207	4.3	1.3	Th	1101	4.2	1.3
	1849	-0.2	-0.1		1813	0.1	0.0
					2309	4.7	1.4
3	0036	4.5	1.4	18	0650	0.1	0.0
Th	0713	-0.2	-0.1	F	1141	4.2	1.3
	1254	4.1	1.2		1852	0.1	0.0
	1931	-0.1	0.0		2353	4.7	1.4
4	0126	4.4	1.3	19	0740	0.2	0.1
F	0803	0.0	0.0	Sa	1230	4.1	1.2
	1345	3.9	1.2		1938	0.1	0.0
	2013	0.0	0.0				
5	0216	4.2	1.3	20	0045	4.7	1.4
Sa	0851	0.1	0.0	Su	0835	0.3	0.1
	1437	3.7	1.1		1327	3.9	1.2
	2059	0.1	0.0		2028	0.1	0.0
6	0311	4.1	1.2	21	0143	4.6	1.4
Su	0945	0.2	0.1	M	0934	0.3	0.1
	1530	3.6	1.1		1435	3.8	1.2
	2150	0.1	0.0		2130	0.1	0.0
7	0406	4.0	1.2	22	0254	4.5	1.4
M	1039	0.2	0.1	Tu	1039	0.3	0.1
	1626	3.5	1.1		1550	3.8	1.2
	2245	0.1	0.0		2238	0.1	0.0
8	0502	3.9	1.2	23	0410	4.4	1.3
Tu	1136	0.2	0.1	W	1144	0.2	0.1
	1722	3.6	1.1		1702	3.9	1.2
	2343	0.1	0.0		2347	0.0	0.0
9	0557	4.0	1.2	24	0526	4.4	1.3
W	1230	0.1	0.0	Th	1245	0.0	0.0
	1816	3.6	1.1		1808	4.0	1.2
10	0038	0.0	0.0	25	0051	-0.2	-0.1
Th	0649	4.0	1.2	F	0632	4.5	1.4
	1322	0.0	0.0		1340	-0.2	-0.1
	1907	3.8	1.2		1907	4.3	1.3
11	0132	-0.1	0.0	26	0152	-0.4	-0.1
F	0739	4.1	1.2	Sa	0731	4.6	1.4
	1410	-0.1	0.0		1433	-0.3	-0.1
	1953	3.9	1.2		2004	4.5	1.4
12	0223	-0.2	-0.1	27	0248	-0.5	-0.2
Sa	0823	4.2	1.3	Su	0826	4.6	1.4
	1456	-0.1	0.0		1522	-0.4	-0.1
	2035	4.0	1.2		2055	4.7	1.4
13	0311	-0.2	-0.1	28	0341	-0.5	-0.2
Su	0903	4.2	1.3	M	0917	4.6	1.4
	1538	-0.1	0.0		1608	-0.4	-0.1
	2111	4.1	1.2		2145	4.8	1.5
14	0356	-0.2	-0.1	29	0429	-0.5	-0.2
M	0937	4.2	1.3	Tu	1006	4.5	1.4
	1619	0.0	0.0		1652	-0.3	-0.1
	2138	4.2	1.3		2233	4.9	1.5
15	0439	-0.2	-0.1	30	0518	-0.4	-0.1
Tu	1005	4.2	1.3	W	1051	4.4	1.3
	1658	0.0	0.0		1733	-0.2	-0.1
	2203	4.4	1.3		2319	4.8	1.5
				31	0603	-0.2	-0.1
				Th	1138	4.2	1.3
					1813	0.0	0.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0005	4.7	1.4	16	0639	0.1	0.0
F	0648	0.0	0.0	Sa	1128	4.1	1.2
	1223	4.0	1.2		1832	0.1	0.0
	1852	0.1	0.0		2339	5.0	1.5
2	0050	4.5	1.4	17	0728	0.2	0.1
Sa	0733	0.1	0.0	Su	1221	4.0	1.2
	1310	3.8	1.2		1921	0.1	0.0
	1933	0.2	0.1				
3	0138	4.3	1.3	18	0033	4.9	1.5
Su	0820	0.2	0.1	M	0823	0.2	0.1
	1401	3.7	1.1		1324	3.9	1.2
	2018	0.3	0.1		2017	0.1	0.0
4	0230	4.1	1.2	19	0135	4.7	1.4
M	0911	0.3	0.1	Tu	0922	0.2	0.1
	1457	3.6	1.1		1435	3.8	1.2
	2109	0.3	0.1		2118	0.2	0.1
5	0326	4.0	1.2	20	0248	4.5	1.4
Tu	1002	0.3	0.1	W	1021	0.1	0.0
	1555	3.5	1.1		1547	3.9	1.2
	2205	0.3	0.1		2225	0.1	0.0
6	0424	3.9	1.2	21	0405	4.4	1.3
W	1057	0.3	0.1	Th	1123	0.0	0.0
	1650	3.6	1.1		1654	4.0	1.2
	2305	0.3	0.1		2331	0.0	0.0
7	0518	3.9	1.2	22	0514	4.4	1.3
Th	1152	0.2	0.1	F	1220	-0.1	0.0
	1744	3.7	1.1		1755	4.2	1.3
8	0003	0.2	0.1	23	0035	-0.1	0.0
F	0611	4.0	1.2	Sa	0614	4.4	1.3
	1243	0.1	0.0		1314	-0.3	-0.1
	1835	3.8	1.2		1852	4.5	1.4
9	0101	0.1	0.0	24	0134	-0.3	-0.1
Sa	0701	4.0	1.2	Su	0712	4.4	1.3
	1334	0.0	0.0		1405	-0.4	-0.1
	1920	4.0	1.2		1945	4.7	1.4
10	0154	0.0	0.0	25	0229	-0.4	-0.1
Su	0744	4.1	1.2	M	0804	4.4	1.3
	1419	-0.1	0.0		1453	-0.4	-0.1
	2000	4.2	1.3		2036	4.9	1.5
11	0244	-0.1	0.0	26	0321	-0.4	-0.1
M	0824	4.1	1.2	Tu	0853	4.3	1.3
	1504	-0.1	0.0		1536	-0.3	-0.1
	2036	4.4	1.3		2122	4.9	1.5
12	0331	-0.1	0.0	27	0409	-0.3	-0.1
Tu	0900	4.2	1.3	W	0938	4.2	1.3
	1545	-0.1	0.0		1619	-0.2	-0.1
	2106	4.5	1.4		2208	4.9	1.5
13	0418	-0.1	0.0	28	0455	-0.2	-0.1
W	0932	4.2	1.3	Th	1025	4.1	1.2
	1627	0.0	0.0		1701	-0.1	0.0
	2135	4.7	1.4		2252	4.8	1.5
14	0504	0.0	0.0	29	0539	-0.1	0.0
Th	1007	4.2	1.3	F	1107	4.0	1.2
	1708	0.0	0.0		1739	0.1	0.0
	2212	4.9	1.5		2333	4.7	1.4
15	0550	0.0	0.0	30	0622	0.1	0.0
F	1045	4.2	1.3	Sa	1151	3.8	1.2
	1748	0.0	0.0		1818	0.2	0.1
	2252	5.0	1.5				

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0015	4.5	1.4	16	0716	0.0	0.0
Su	0704	0.2	0.1	M	1220	3.9	1.2
	1238	3.7	1.1		1911	0.0	0.0
	1859	0.3	0.1				
2	0058	4.3	1.3	17	0028	4.9	1.5
M	0750	0.3	0.1	Tu	0811	0.0	0.0
	1327	3.6	1.1		1326	3.9	1.2
	1942	0.3	0.1		2006	0.0	0.0
3	0148	4.1	1.2	18	0135	4.7	1.4
Tu	0836	0.3	0.1	W	0905	0.0	0.0
	1420	3.5	1.1		1433	3.9	1.2
	2031	0.4	0.1		2106	0.1	0.0
4	0240	4.0	1.2	19	0245	4.5	1.4
W	0926	0.3	0.1	Th	1001	-0.1	0.0
	1515	3.5	1.1		1539	4.0	1.2
	2126	0.4	0.1		2210	0.1	0.0
5	0337	3.9	1.2	20	0352	4.3	1.3
Th	1017	0.2	0.1	F	1057	-0.2	-0.1
	1611	3.5	1.1		1640	4.1	1.2
	2227	0.4	0.1		2313	0.0	0.0
6	0432	3.8	1.2	21	0455	4.2	1.3
F	1110	0.1	0.0	Sa	1153	-0.3	-0.1
	1705	3.6	1.1		1738	4.3	1.3
	2327	0.3	0.1				
7	0525	3.8	1.2	22	0015	-0.1	0.0
Sa	1202	0.1	0.0	Su	0552	4.2	1.3
	1752	3.8	1.2		1245	-0.4	-0.1
					1831	4.5	1.4
8	0026	0.2	0.1	23	0114	-0.2	-0.1
Su	0611	3.9	1.2	M	0648	4.1	1.2
	1253	0.0	0.0		1334	-0.4	-0.1
	1837	4.0	1.2		1923	4.7	1.4
9	0122	0.1	0.0	24	0207	-0.3	-0.1
M	0657	3.9	1.2	Tu	0738	4.1	1.2
	1341	-0.1	0.0		1422	-0.4	-0.1
	1919	4.3	1.3		2013	4.8	1.5
10	0216	0.0	0.0	25	0258	-0.3	-0.1
Tu	0740	4.0	1.2	W	0825	4.0	1.2
	1426	-0.2	-0.1		1506	-0.3	-0.1
	1957	4.5	1.4		2100	4.8	1.5
11	0306	0.0	0.0	26	0347	-0.2	-0.1
W	0820	4.0	1.2	Th	0911	3.9	1.2
	1513	-0.2	-0.1		1548	-0.2	-0.1
	2033	4.8	1.5		2143	4.8	1.5
12	0357	-0.1	0.0	27	0432	-0.1	0.0
Th	0901	4.1	1.2	F	0957	3.8	1.2
	1557	-0.2	-0.1		1630	-0.1	0.0
	2112	5.0	1.5		2225	4.7	1.4
13	0445	-0.1	0.0	28	0515	0.0	0.0
F	0942	4.1	1.2	Sa	1040	3.7	1.1
	1643	-0.1	0.0		1709	0.0	0.0
	2154	5.1	1.6		2306	4.6	1.4
14	0535	-0.1	0.0	29	0556	0.1	0.0
Sa	1030	4.0	1.2	Su	1123	3.6	1.1
	1729	-0.1	0.0		1748	0.1	0.0
	2240	5.1	1.6		2346	4.4	1.3
15	0625	0.0	0.0	30	0638	0.2	0.1
Su	1120	4.0	1.2	M	1205	3.5	1.1
	1818	-0.1	0.0		1830	0.2	0.1
	2333	5.0	1.5				
				31	0023	4.3	1.3
				Tu	0721	0.2	0.1
					1250	3.5	1.1
					1912	0.3	0.1

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0059	4.1	1.2	16	0132	4.6	1.4
W	0804	0.2	0.1	Th	0843	-0.3	-0.1
	1337	3.4	1.0		1422	4.0	1.2
	1958	0.4	0.1		2051	0.0	0.0
2	0143	4.0	1.2	17	0235	4.4	1.3
Th	0849	0.2	0.1	F	0936	-0.3	-0.1
	1427	3.4	1.0		1525	4.1	1.2
	2051	0.4	0.1		2152	0.0	0.0
3	0232	3.9	1.2	18	0335	4.2	1.3
F	0936	0.1	0.0	Sa	1030	-0.3	-0.1
	1519	3.5	1.1		1621	4.3	1.3
	2149	0.4	0.1		2253	0.0	0.0
4	0331	3.8	1.2	19	0433	4.1	1.2
Sa	1027	0.1	0.0	Su	1122	-0.4	-0.1
	1609	3.6	1.1		1718	4.4	1.3
	2250	0.4	0.1		2354	-0.1	0.0
5	0423	3.7	1.1	20	0529	4.0	1.2
Su	1117	0.0	0.0	M	1213	-0.4	-0.1
	1659	3.8	1.2		1809	4.5	1.4
	2350	0.3	0.1				
6	0517	3.8	1.2	21	0051	-0.1	0.0
M	1208	-0.1	0.0	Tu	0621	3.9	1.2
	1745	4.1	1.2		1303	-0.4	-0.1
					1901	4.6	1.4
7	0051	0.2	0.1	22	0144	-0.1	0.0
Tu	0608	3.8	1.2	W	0712	3.8	1.2
	1301	-0.2	-0.1		1351	-0.4	-0.1
	1833	4.3	1.3		1950	4.7	1.4
8	0147	0.1	0.0	23	0236	-0.2	-0.1
W	0656	3.8	1.2	Th	0800	3.8	1.2
	1350	-0.3	-0.1		1436	-0.3	-0.1
	1919	4.6	1.4		2037	4.7	1.4
9	0242	0.0	0.0	24	0322	-0.1	0.0
Th	0745	3.9	1.2	F	0847	3.7	1.1
	1441	-0.3	-0.1		1520	-0.3	-0.1
	2005	4.9	1.5		2121	4.7	1.4
10	0335	-0.1	0.0	25	0407	-0.1	0.0
F	0836	4.0	1.2	Sa	0933	3.7	1.1
	1530	-0.3	-0.1		1602	-0.1	0.0
	2054	5.0	1.5		2205	4.6	1.4
11	0428	-0.1	0.0	26	0451	0.0	0.0
Sa	0925	4.0	1.2	Su	1017	3.7	1.1
	1619	-0.3	-0.1		1642	0.0	0.0
	2142	5.1	1.6		2244	4.5	1.4
12	0518	-0.2	-0.1	27	0530	0.1	0.0
Su	1019	4.0	1.2	M	1058	3.6	1.1
	1711	-0.3	-0.1		1724	0.1	0.0
	2233	5.1	1.6		2320	4.4	1.3
13	0609	-0.2	-0.1	28	0612	0.1	0.0
M	1115	4.0	1.2	Tu	1135	3.6	1.1
	1803	-0.2	-0.1		1805	0.2	0.1
	2330	5.0	1.5		2351	4.3	1.3
14	0700	-0.2	-0.1	29	0650	0.1	0.0
Tu	1217	4.0	1.2	W	1210	3.5	1.1
	1857	-0.2	-0.1		1847	0.3	0.1
15	0028	4.8	1.5	30	0017	4.2	1.3
W	0752	-0.2	-0.1	Th	0731	0.1	0.0
	1320	4.0	1.2		1242	3.5	1.1
	1953	-0.1	0.0		1932	0.3	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0050	4.1	1.2	16	0215	4.4	1.3
F	0812	0.1	0.0	Sa	0907	-0.3	-0.1
	1321	3.6	1.1		1502	4.3	1.3
	2019	0.4	0.1		2130	0.0	0.0
2	0132	4.0	1.2	17	0312	4.2	1.3
Sa	0854	0.1	0.0	Su	0956	-0.3	-0.1
	1406	3.7	1.1		1557	4.4	1.3
	2113	0.4	0.1		2228	0.1	0.0
3	0224	3.9	1.2	18	0407	4.0	1.2
Su	0940	0.0	0.0	M	1048	-0.3	-0.1
	1501	3.8	1.2		1651	4.4	1.3
	2212	0.5	0.2		2327	0.1	0.0
4	0320	3.8	1.2	19	0502	3.8	1.2
M	1030	0.0	0.0	Tu	1139	-0.3	-0.1
	1557	4.0	1.2		1744	4.5	1.4
	2316	0.4	0.1				
5	0421	3.7	1.1	20	0024	0.1	0.0
Tu	1126	-0.1	0.0	W	0555	3.8	1.2
	1656	4.2	1.3		1230	-0.3	-0.1
					1835	4.5	1.4
6	0021	0.4	0.1	21	0117	0.1	0.0
W	0521	3.8	1.2	Th	0647	3.7	1.1
	1221	-0.2	-0.1		1320	-0.3	-0.1
	1753	4.5	1.4		1926	4.6	1.4
7	0121	0.2	0.1	22	0207	0.0	0.0
Th	0620	3.8	1.2	F	0738	3.7	1.1
	1317	-0.3	-0.1		1407	-0.2	-0.1
	1848	4.7	1.4		2015	4.6	1.4
8	0218	0.1	0.0	23	0256	0.0	0.0
F	0717	3.9	1.2	Sa	0826	3.8	1.2
	1415	-0.3	-0.1		1453	-0.2	-0.1
	1943	4.9	1.5		2100	4.6	1.4
9	0315	-0.1	0.0	24	0340	0.0	0.0
Sa	0815	4.0	1.2	Su	0911	3.8	1.2
	1509	-0.4	-0.1		1538	-0.1	0.0
	2039	5.1	1.6		2142	4.6	1.4
10	0408	-0.2	-0.1	25	0423	0.0	0.0
Su	0911	4.0	1.2	M	0955	3.8	1.2
	1603	-0.4	-0.1		1621	0.0	0.0
	2133	5.2	1.6		2221	4.5	1.4
11	0459	-0.3	-0.1	26	0503	0.1	0.0
M	1008	4.1	1.2	Tu	1033	3.8	1.2
	1655	-0.4	-0.1		1702	0.1	0.0
	2229	5.1	1.6		2255	4.4	1.3
12	0549	-0.3	-0.1	27	0542	0.1	0.0
Tu	1107	4.2	1.3	W	1104	3.8	1.2
	1749	-0.4	-0.1		1743	0.2	0.1
	2325	5.0	1.5		2319	4.3	1.3
13	0638	-0.3	-0.1	28	0620	0.2	0.1
W	1205	4.2	1.3	Th	1128	3.8	1.2
	1842	-0.3	-0.1		1824	0.3	0.1
					2340	4.3	1.3
14	0020	4.9	1.5	29	0658	0.2	0.1
Th	0727	-0.3	-0.1	F	1154	3.9	1.2
	1305	4.3	1.3		1908	0.4	0.1
	1937	-0.2	-0.1				
15	0118	4.6	1.4	30	0012	4.2	1.3
F	0816	-0.3	-0.1	Sa	0735	0.2	0.1
	1404	4.3	1.3		1231	4.0	1.2
	2033	-0.1	0.0		1952	0.5	0.2
				31	0051	4.1	1.2
				Su	0813	0.1	0.0
					1316	4.1	1.2
					2043	0.5	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0138	4.0	1.2	16	0339	3.9	1.2
M	0857	0.1	0.0	Tu	1011	0.0	0.0
	1409	4.2	1.3		1622	4.4	1.3
	2141	0.6	0.2		2258	0.4	0.1
2	0237	3.9	1.2	17	0434	3.8	1.2
Tu	0948	0.0	0.0	W	1103	0.0	0.0
	1510	4.3	1.3		1718	4.4	1.3
	2248	0.6	0.2		2353	0.4	0.1
3	0340	3.8	1.2	18	0528	3.8	1.2
W	1045	0.0	0.0	Th	1156	0.0	0.0
	1613	4.4	1.3		1810	4.5	1.4
	2355	0.5	0.2				
4	0448	3.8	1.2	19	0047	0.3	0.1
Th	1148	-0.1	0.0	F	0622	3.8	1.2
	1722	4.6	1.4		1249	0.0	0.0
					1901	4.5	1.4
5	0058	0.4	0.1	20	0138	0.2	0.1
F	0555	3.9	1.2	Sa	0714	3.9	1.2
	1251	-0.2	-0.1		1341	-0.1	0.0
	1825	4.8	1.5		1949	4.6	1.4
6	0157	0.2	0.1	21	0226	0.1	0.0
Sa	0659	4.0	1.2	Su	0802	3.9	1.2
	1353	-0.3	-0.1		1428	-0.1	0.0
	1928	5.0	1.5		2036	4.6	1.4
7	0254	0.0	0.0	22	0311	0.1	0.0
Su	0800	4.1	1.2	M	0847	4.0	1.2
	1451	-0.4	-0.1		1514	0.0	0.0
	2026	5.1	1.6		2117	4.6	1.4
8	0347	-0.2	-0.1	23	0353	0.1	0.0
M	0857	4.3	1.3	Tu	0929	4.1	1.2
	1547	-0.4	-0.1		1559	0.0	0.0
	2122	5.2	1.6		2156	4.6	1.4
9	0436	-0.3	-0.1	24	0433	0.1	0.0
Tu	0956	4.5	1.4	W	1004	4.1	1.2
	1640	-0.4	-0.1		1640	0.1	0.0
	2218	5.2	1.6		2226	4.5	1.4
10	0525	-0.3	-0.1	25	0511	0.2	0.1
W	1051	4.6	1.4	Th	1030	4.1	1.2
	1733	-0.4	-0.1		1723	0.3	0.1
	2311	5.1	1.6		2247	4.5	1.4
11	0612	-0.3	-0.1	26	0549	0.2	0.1
Th	1146	4.6	1.4	F	1051	4.2	1.3
	1825	-0.2	-0.1		1803	0.4	0.1
					2308	4.4	1.3
12	0003	4.9	1.5	27	0625	0.3	0.1
F	0659	-0.2	-0.1	Sa	1116	4.3	1.3
	1242	4.6	1.4		1846	0.5	0.2
	1916	-0.1	0.0		2339	4.4	1.3
13	0055	4.6	1.4	28	0700	0.3	0.1
Sa	0746	-0.2	-0.1	Su	1155	4.5	1.4
	1337	4.6	1.4		1931	0.6	0.2
	2009	0.1	0.0				
14	0150	4.4	1.3	29	0020	4.3	1.3
Su	0832	-0.1	0.0	M	0738	0.3	0.1
	1433	4.5	1.4		1241	4.6	1.4
	2104	0.2	0.1		2021	0.7	0.2
15	0244	4.1	1.2	30	0108	4.2	1.3
M	0920	0.0	0.0	Tu	0820	0.2	0.1
	1528	4.5	1.4		1333	4.6	1.4
	2200	0.3	0.1		2120	0.8	0.2
				31	0206	4.0	1.2
				W	0913	0.2	0.1
					1435	4.6	1.4
					2225	0.8	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0315	3.9	1.2	16	0503	3.8	1.2
Th	1017	0.2	0.1	F	1121	0.3	0.1
	1547	4.6	1.4		1740	4.4	1.3
	2331	0.7	0.2				
2	0430	3.9	1.2	17	0013	0.4	0.1
F	1126	0.1	0.0	Sa	0556	3.9	1.2
	1659	4.7	1.4		1217	0.2	0.1
					1831	4.5	1.4
3	0035	0.5	0.2	18	0105	0.3	0.1
Sa	0540	4.0	1.2	Su	0648	4.0	1.2
	1232	0.0	0.0		1311	0.1	0.0
	1809	4.9	1.5		1921	4.6	1.4
4	0136	0.2	0.1	19	0154	0.2	0.1
Su	0645	4.2	1.3	M	0736	4.1	1.2
	1335	-0.1	0.0		1401	0.1	0.0
	1914	5.0	1.5		2007	4.6	1.4
5	0231	0.0	0.0	20	0238	0.1	0.0
M	0746	4.4	1.3	Tu	0822	4.2	1.3
	1435	-0.3	-0.1		1450	0.1	0.0
	2012	5.1	1.6		2047	4.6	1.4
6	0322	-0.2	-0.1	21	0321	0.1	0.0
Tu	0845	4.7	1.4	W	0900	4.3	1.3
	1531	-0.3	-0.1		1535	0.1	0.0
	2107	5.2	1.6		2123	4.6	1.4
7	0411	-0.2	-0.1	22	0400	0.1	0.0
W	0938	4.8	1.5	Th	0932	4.4	1.3
	1623	-0.3	-0.1		1619	0.2	0.1
	2159	5.1	1.6		2153	4.5	1.4
8	0458	-0.2	-0.1	23	0440	0.2	0.1
Th	1030	4.9	1.5	F	0955	4.5	1.4
	1715	-0.3	-0.1		1702	0.3	0.1
	2248	5.0	1.5		2216	4.5	1.4
9	0543	-0.2	-0.1	24	0517	0.2	0.1
F	1122	5.0	1.5	Sa	1018	4.6	1.4
	1805	-0.1	0.0		1745	0.4	0.1
	2338	4.8	1.5		2241	4.4	1.3
10	0628	-0.1	0.0	25	0553	0.3	0.1
Sa	1214	4.9	1.5	Su	1050	4.8	1.5
	1855	0.1	0.0		1828	0.6	0.2
					2313	4.4	1.3
11	0030	4.5	1.4	26	0629	0.3	0.1
Su	0712	0.1	0.0	M	1129	4.9	1.5
	1305	4.8	1.5		1915	0.7	0.2
	1944	0.3	0.1		2356	4.3	1.3
12	0119	4.3	1.3	27	0711	0.3	0.1
M	0756	0.2	0.1	Tu	1218	4.9	1.5
	1358	4.6	1.4		2007	0.7	0.2
	2035	0.5	0.2				
13	0212	4.0	1.2	28	0047	4.2	1.3
Tu	0843	0.3	0.1	W	0757	0.3	0.1
	1456	4.5	1.4		1311	4.8	1.5
	2130	0.6	0.2		2105	0.8	0.2
14	0310	3.9	1.2	29	0150	4.0	1.2
W	0932	0.3	0.1	Th	0854	0.3	0.1
	1550	4.4	1.3		1415	4.8	1.5
	2225	0.6	0.2		2207	0.7	0.2
15	0406	3.8	1.2	30	0302	3.9	1.2
Th	1026	0.3	0.1	F	1000	0.3	0.1
	1646	4.4	1.3		1531	4.7	1.4
	2321	0.5	0.2		2311	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0421	4.0	1.2
	1111	0.2	0.1
	1648	4.7	1.4
2 Su	0014	0.4	0.1
	0531	4.1	1.2
	1216	0.1	0.0
	1755	4.8	1.5
3 M	0112	0.1	0.0
	0635	4.4	1.3
	1321	-0.1	0.0
	1859	4.9	1.5
4 Tu	0206	-0.1	0.0
	0733	4.7	1.4
	1418	-0.2	-0.1
	1954	5.0	1.5
5 W	0256	-0.2	-0.1
	0828	4.9	1.5
	1514	-0.3	-0.1
	2048	5.0	1.5
6 Th	0344	-0.3	-0.1
	0919	5.1	1.6
	1605	-0.3	-0.1
	2137	4.9	1.5
7 F	0429	-0.2	-0.1
	1009	5.1	1.6
	1655	-0.2	-0.1
	2224	4.7	1.4
8 Sa	0513	-0.1	0.0
	1058	5.1	1.6
	1743	0.0	0.0
	2312	4.5	1.4
9 Su	0556	0.0	0.0
	1145	5.0	1.5
	1830	0.2	0.1
10 M	0000	4.3	1.3
	0637	0.2	0.1
	1234	4.8	1.5
	1919	0.4	0.1
11 Tu	0046	4.1	1.2
	0719	0.3	0.1
	1323	4.6	1.4
	2005	0.5	0.2
12 W	0140	3.9	1.2
	0804	0.4	0.1
	1419	4.4	1.3
	2056	0.6	0.2
13 Th	0237	3.8	1.2
	0854	0.4	0.1
	1515	4.3	1.3
	2150	0.6	0.2
14 F	0333	3.7	1.1
	0947	0.4	0.1
	1611	4.2	1.3
	2242	0.5	0.2
15 Sa	0432	3.7	1.1
	1045	0.4	0.1
	1705	4.2	1.3
	2334	0.4	0.1

Day	Time h m	Height ft	Height m
16 Su	0526	3.8	1.2
	1143	0.3	0.1
	1758	4.3	1.3
17 M	0027	0.3	0.1
	0618	4.0	1.2
	1240	0.2	0.1
	1846	4.4	1.3
18 Tu	0115	0.1	0.0
	0707	4.1	1.2
	1333	0.1	0.0
	1930	4.4	1.3
19 W	0202	0.0	0.0
	0749	4.3	1.3
	1423	0.1	0.0
	2011	4.4	1.3
20 Th	0245	0.0	0.0
	0826	4.4	1.3
	1510	0.1	0.0
	2048	4.4	1.3
21 F	0327	0.0	0.0
	0858	4.5	1.4
	1556	0.1	0.0
	2118	4.4	1.3
22 Sa	0407	0.1	0.0
	0925	4.7	1.4
	1642	0.2	0.1
	2146	4.3	1.3
23 Su	0446	0.1	0.0
	0952	4.8	1.5
	1727	0.3	0.1
	2218	4.3	1.3
24 M	0526	0.1	0.0
	1029	5.0	1.5
	1814	0.4	0.1
	2253	4.3	1.3
25 Tu	0607	0.2	0.1
	1111	5.0	1.5
	1903	0.5	0.2
	2343	4.2	1.3
26 W	0653	0.2	0.1
	1159	5.0	1.5
	1956	0.6	0.2
27 Th	0036	4.0	1.2
	0744	0.2	0.1
	1258	4.8	1.5
	2051	0.6	0.2
28 F	0143	3.9	1.2
	0843	0.2	0.1
	1404	4.7	1.4
	2150	0.5	0.2
29 Sa	0300	3.9	1.2
	0949	0.2	0.1
	1522	4.6	1.4
	2252	0.3	0.1
30 Su	0413	4.0	1.2
	1055	0.1	0.0
	1636	4.6	1.4
	2350	0.1	0.0
31 M	0520	4.2	1.3
	1201	0.0	0.0
	1742	4.6	1.4

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0046	-0.1	0.0
	0620	4.5	1.4
	1304	-0.1	0.0
	1840	4.6	1.4
2 W	0139	-0.3	-0.1
	0715	4.7	1.4
	1401	-0.3	-0.1
	1935	4.6	1.4
3 Th	0229	-0.4	-0.1
	0807	4.9	1.5
	1456	-0.3	-0.1
	2024	4.6	1.4
4 F	0315	-0.4	-0.1
	0858	5.0	1.5
	1545	-0.3	-0.1
	2112	4.5	1.4
5 Sa	0359	-0.3	-0.1
	0947	5.0	1.5
	1635	-0.1	0.0
	2158	4.3	1.3
6 Su	0443	-0.2	-0.1
	1032	5.0	1.5
	1720	0.0	0.0
	2244	4.2	1.3
7 M	0524	0.0	0.0
	1117	4.8	1.5
	1805	0.2	0.1
	2330	4.0	1.2
8 Tu	0605	0.1	0.0
	1203	4.6	1.4
	1851	0.3	0.1
9 W	0017	3.8	1.2
	0645	0.2	0.1
	1249	4.4	1.3
	1935	0.4	0.1
10 Th	0107	3.7	1.1
	0729	0.3	0.1
	1340	4.3	1.3
	2022	0.5	0.2
11 F	0201	3.6	1.1
	0817	0.3	0.1
	1433	4.1	1.2
	2110	0.4	0.1
12 Sa	0257	3.5	1.1
	0910	0.4	0.1
	1530	4.0	1.2
	2202	0.4	0.1
13 Su	0354	3.6	1.1
	1008	0.3	0.1
	1622	4.0	1.2
	2253	0.3	0.1
14 M	0447	3.6	1.1
	1107	0.3	0.1
	1715	4.0	1.2
	2344	0.1	0.0
15 Tu	0539	3.8	1.2
	1206	0.2	0.1
	1803	4.0	1.2

Day	Time h m	Height ft	Height m
16 W	0034	0.0	0.0
	0625	4.0	1.2
	1301	0.1	0.0
	1848	4.0	1.2
17 Th	0122	-0.1	0.0
	0706	4.1	1.2
	1354	0.1	0.0
	1930	4.1	1.2
18 F	0208	-0.2	-0.1
	0746	4.3	1.3
	1444	0.0	0.0
	2009	4.1	1.2
19 Sa	0253	-0.2	-0.1
	0820	4.5	1.4
	1534	0.0	0.0
	2043	4.1	1.2
20 Su	0337	-0.2	-0.1
	0855	4.7	1.4
	1622	0.1	0.0
	2121	4.1	1.2
21 M	0420	-0.2	-0.1
	0932	4.9	1.5
	1711	0.1	0.0
	2201	4.1	1.2
22 Tu	0505	-0.2	-0.1
	1015	5.0	1.5
	1759	0.2	0.1
	2245	4.0	1.2
23 W	0551	-0.1	0.0
	1101	5.0	1.5
	1849	0.2	0.1
	2337	4.0	1.2
24 Th	0641	-0.1	0.0
	1154	4.9	1.5
	1940	0.2	0.1
25 F	0036	3.9	1.2
	0734	-0.1	0.0
	1255	4.7	1.4
	2033	0.2	0.1
26 Sa	0143	3.8	1.2
	0833	0.0	0.0
	1404	4.5	1.4
	2130	0.1	0.0
27 Su	0257	3.9	1.2
	0936	0.0	0.0
	1515	4.4	1.3
	2227	0.0	0.0
28 M	0403	4.0	1.2
	1040	-0.1	0.0
	1623	4.3	1.3
	2323	-0.2	-0.1
29 Tu	0504	4.2	1.3
	1144	-0.1	0.0
	1723	4.2	1.3
30 W	0017	-0.3	-0.1
	0603	4.4	1.3
	1245	-0.2	-0.1
	1819	4.2	1.3

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0110	-0.4	-0.1
	0656	4.6	1.4
	1341	-0.3	-0.1
	1912	4.2	1.3
2 F	0201	-0.5	-0.2
	0749	4.7	1.4
	1435	-0.3	-0.1
	2002	4.1	1.2
3 Sa	0247	-0.5	-0.2
	0838	4.8	1.5
	1524	-0.3	-0.1
	2050	4.0	1.2
4 Su	0332	-0.4	-0.1
	0924	4.8	1.5
	1612	-0.2	-0.1
	2135	4.0	1.2
5 M	0414	-0.3	-0.1
	1010	4.7	1.4
	1658	-0.1	0.0
	2221	3.9	1.2
6 Tu	0456	-0.2	-0.1
	1055	4.6	1.4
	1741	0.1	0.0
	2304	3.7	1.1
7 W	0538	-0.1	0.0
	1137	4.4	1.3
	1823	0.2	0.1
	2349	3.6	1.1
8 Th	0617	0.0	0.0
	1219	4.2	1.3
	1904	0.2	0.1
9 F	0033	3.5	1.1
	0700	0.1	0.0
	1303	4.1	1.2
	1948	0.2	0.1
10 Sa	0121	3.5	1.1
	0745	0.1	0.0
	1348	3.9	1.2
	2031	0.2	0.1
11 Su	0209	3.4	1.0
	0833	0.2	0.1
	1438	3.8	1.2
	2118	0.1	0.0
12 M	0302	3.4	1.0
	0928	0.2	0.1
	1528	3.7	1.1
	2207	0.1	0.0
13 Tu	0353	3.5	1.1
	1028	0.2	0.1
	1620	3.7	1.1
	2258	0.0	0.0
14 W	0445	3.6	1.1
	1127	0.2	0.1
	1709	3.7	1.1
	2350	-0.1	0.0
15 Th	0532	3.8	1.2
	1227	0.1	0.0
	1758	3.7	1.1

Day	Time h m	Height ft	Height m
16 F	0041	-0.2	-0.1
	0621	4.0	1.2
	1325	0.1	0.0
	1844	3.7	1.1
17 Sa	0131	-0.3	-0.1
	0703	4.2	1.3
	1418	0.0	0.0
	1930	3.8	1.2
18 Su	0221	-0.4	-0.1
	0747	4.5	1.4
	1511	-0.1	0.0
	2014	3.9	1.2
19 M	0309	-0.4	-0.1
	0831	4.7	1.4
	1603	-0.1	0.0
	2100	3.9	1.2
20 Tu	0359	-0.5	-0.2
	0919	4.8	1.5
	1652	-0.1	0.0
	2149	3.9	1.2
21 W	0448	-0.5	-0.2
	1007	4.9	1.5
	1741	-0.2	-0.1
	2240	4.0	1.2
22 Th	0537	-0.5	-0.2
	1058	4.8	1.5
	1831	-0.2	-0.1
	2335	4.0	1.2
23 F	0630	-0.4	-0.1
	1154	4.7	1.4
	1922	-0.2	-0.1
24 Sa	0034	3.9	1.2
	0724	-0.4	-0.1
	1254	4.6	1.4
	2013	-0.2	-0.1
25 Su	0139	3.9	1.2
	0820	-0.3	-0.1
	1358	4.4	1.3
	2105	-0.2	-0.1
26 M	0243	4.0	1.2
	0920	-0.2	-0.1
	1502	4.2	1.3
	2200	-0.3	-0.1
27 Tu	0344	4.0	1.2
	1021	-0.2	-0.1
	1603	4.0	1.2
	2254	-0.4	-0.1
28 W	0444	4.1	1.2
	1123	-0.2	-0.1
	1702	3.9	1.2
	2348	-0.4	-0.1
29 Th	0542	4.3	1.3
	1224	-0.3	-0.1
	1757	3.8	1.2
30 F	0040	-0.5	-0.2
	0635	4.4	1.3
	1320	-0.3	-0.1
	1849	3.8	1.2
31 Sa	0131	-0.5	-0.2
	0727	4.4	1.3
	1413	-0.3	-0.1
	1939	3.8	1.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0258	-1.2	-0.4
	0925	6.4	2.0
	1544	-0.8	-0.2
	2151	5.1	1.6
2 Su	0352	-1.1	-0.3
	1019	6.2	1.9
	1634	-0.7	-0.2
	2248	5.1	1.6
3 M	0445	-0.8	-0.2
	1111	5.9	1.8
	1727	-0.6	-0.2
	2347	5.0	1.5
4 Tu	0543	-0.5	-0.2
	1206	5.6	1.7
	1820	-0.4	-0.1
5 W	0044	5.0	1.5
	0641	-0.2	-0.1
	1301	5.2	1.6
	1913	-0.3	-0.1
6 Th	0142	5.0	1.5
	0742	0.1	0.0
	1357	4.8	1.5
	2009	-0.2	-0.1
7 F	0239	5.0	1.5
	0842	0.2	0.1
	1450	4.6	1.4
	2102	-0.1	0.0
8 Sa	0335	5.0	1.5
	0942	0.3	0.1
	1545	4.4	1.3
	2155	-0.1	0.0
9 Su	0430	5.1	1.6
	1035	0.2	0.1
	1637	4.3	1.3
	2246	-0.2	-0.1
10 M	0520	5.2	1.6
	1126	0.2	0.1
	1728	4.2	1.3
	2333	-0.2	-0.1
11 Tu	0607	5.3	1.6
	1212	0.1	0.0
	1811	4.3	1.3
12 W	0015	-0.3	-0.1
	0649	5.4	1.6
	1256	0.0	0.0
	1853	4.3	1.3
13 Th	0058	-0.3	-0.1
	0730	5.4	1.6
	1338	-0.1	0.0
	1935	4.3	1.3
14 F	0137	-0.4	-0.1
	0807	5.3	1.6
	1418	-0.1	0.0
	2011	4.3	1.3
15 Sa	0216	-0.3	-0.1
	0845	5.3	1.6
	1455	-0.1	0.0
	2047	4.3	1.3
16 Su	0252	-0.3	-0.1
	0918	5.2	1.6
	1532	0.0	0.0
	2120	4.3	1.3
17 M	0330	-0.2	-0.1
	0951	5.0	1.5
	1609	0.0	0.0
	2156	4.3	1.3
18 Tu	0408	0.0	0.0
	1022	4.9	1.5
	1646	0.1	0.0
	2236	4.3	1.3
19 W	0449	0.1	0.0
	1059	4.7	1.4
	1727	0.1	0.0
	2319	4.4	1.3
20 Th	0536	0.3	0.1
	1140	4.6	1.4
	1809	0.1	0.0
21 F	0009	4.5	1.4
	0628	0.4	0.1
	1228	4.4	1.3
	1859	0.0	0.0
22 Sa	0108	4.7	1.4
	0732	0.5	0.2
	1327	4.2	1.3
	1957	0.0	0.0
23 Su	0213	4.9	1.5
	0842	0.4	0.1
	1433	4.2	1.3
	2059	-0.2	-0.1
24 M	0318	5.1	1.6
	0950	0.3	0.1
	1542	4.2	1.3
	2203	-0.5	-0.2
25 Tu	0424	5.4	1.6
	1055	0.0	0.0
	1648	4.4	1.3
	2304	-0.8	-0.2
26 W	0528	5.8	1.8
	1155	-0.3	-0.1
	1752	4.6	1.4
27 Th	0002	-1.1	-0.3
	0627	6.1	1.9
	1249	-0.7	-0.2
	1852	4.9	1.5
28 F	0058	-1.3	-0.4
	0723	6.3	1.9
	1343	-0.9	-0.3
	1948	5.1	1.6
29 Sa	0151	-1.5	-0.5
	0816	6.4	2.0
	1433	-1.0	-0.3
	2042	5.3	1.6
30 Su	0244	-1.5	-0.5
	0909	6.3	1.9
	1522	-1.1	-0.3
	2136	5.3	1.6
31 M	0335	-1.3	-0.4
	0959	6.0	1.8
	1609	-1.0	-0.3
	2229	5.3	1.6

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0426	-1.0	-0.3
	1047	5.7	1.7
	1658	-0.8	-0.2
	2321	5.2	1.6
2 W	0518	-0.7	-0.2
	1137	5.3	1.6
	1746	-0.6	-0.2
3 Th	0014	5.1	1.6
	0612	-0.3	-0.1
	1227	4.8	1.5
	1836	-0.3	-0.1
4 F	0109	5.0	1.5
	0709	0.1	0.0
	1319	4.5	1.4
	1928	-0.1	0.0
5 Sa	0203	4.8	1.5
	0808	0.3	0.1
	1414	4.2	1.3
	2023	0.1	0.0
6 Su	0300	4.8	1.5
	0908	0.4	0.1
	1509	4.0	1.2
	2118	0.1	0.0
7 M	0355	4.8	1.5
	1004	0.4	0.1
	1603	3.9	1.2
	2214	0.1	0.0
8 Tu	0448	4.9	1.5
	1056	0.4	0.1
	1656	4.0	1.2
	2304	0.0	0.0
9 W	0538	5.0	1.5
	1145	0.2	0.1
	1745	4.1	1.2
	2351	-0.1	0.0
10 Th	0624	5.1	1.6
	1229	0.1	0.0
	1829	4.2	1.3
11 F	0034	-0.3	-0.1
	0705	5.2	1.6
	1312	-0.1	0.0
	1909	4.3	1.3
12 Sa	0116	-0.4	-0.1
	0743	5.2	1.6
	1351	-0.2	-0.1
	1948	4.4	1.3
13 Su	0154	-0.4	-0.1
	0819	5.2	1.6
	1428	-0.2	-0.1
	2023	4.5	1.4
14 M	0233	-0.4	-0.1
	0853	5.1	1.6
	1504	-0.2	-0.1
	2058	4.6	1.4
15 Tu	0311	-0.3	-0.1
	0925	5.0	1.5
	1540	-0.2	-0.1
	2133	4.7	1.4
16 W	0348	-0.2	-0.1
	0957	4.9	1.5
	1615	-0.2	-0.1
	2210	4.8	1.5
17 Th	0429	-0.1	0.0
	1031	4.7	1.4
	1652	-0.1	0.0
	2252	4.9	1.5
18 F	0515	0.1	0.0
	1111	4.5	1.4
	1735	-0.1	0.0
	2343	4.9	1.5
19 Sa	0606	0.3	0.1
	1201	4.3	1.3
	1825	-0.1	0.0
20 Su	0041	5.0	1.5
	0707	0.4	0.1
	1302	4.2	1.3
	1926	-0.1	0.0
21 M	0147	5.0	1.5
	0817	0.4	0.1
	1411	4.1	1.2
	2033	-0.1	0.0
22 Tu	0257	5.2	1.6
	0931	0.3	0.1
	1526	4.2	1.3
	2142	-0.3	-0.1
23 W	0407	5.4	1.6
	1035	0.1	0.0
	1635	4.4	1.3
	2248	-0.6	-0.2
24 Th	0512	5.7	1.7
	1136	-0.3	-0.1
	1739	4.8	1.5
	2349	-1.0	-0.3
25 F	0612	6.0	1.8
	1231	-0.6	-0.2
	1838	5.1	1.6
26 Sa	0043	-1.2	-0.4
	0706	6.1	1.9
	1322	-0.9	-0.3
	1933	5.4	1.6
27 Su	0137	-1.4	-0.4
	0758	6.2	1.9
	1410	-1.1	-0.3
	2025	5.7	1.7
28 M	0227	-1.4	-0.4
	0848	6.1	1.9
	1456	-1.1	-0.3
	2114	5.7	1.7

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0316	-1.2	-0.4
	0934	5.8	1.8
	1541	-0.9	-0.3
	2202	5.7	1.7
2 W	0405	-0.9	-0.3
	1021	5.5	1.7
	1625	-0.7	-0.2
	2249	5.5	1.7
3 Th	0453	-0.5	-0.2
	1106	5.0	1.5
	1711	-0.4	-0.1
	2340	5.3	1.6
4 F	0543	-0.1	0.0
	1153	4.6	1.4
	1756	-0.1	0.0
5 Sa	0030	5.1	1.6
	0635	0.2	0.1
	1242	4.3	1.3
	1845	0.2	0.1
6 Su	0121	4.8	1.5
	0730	0.5	0.2
	1334	4.0	1.2
	1940	0.4	0.1
7 M	0217	4.7	1.4
	0830	0.7	0.2
	1430	3.9	1.2
	2038	0.5	0.2
8 Tu	0315	4.6	1.4
	0926	0.7	0.2
	1529	3.9	1.2
	2138	0.5	0.2
9 W	0411	4.7	1.4
	1022	0.6	0.2
	1622	4.0	1.2
	2232	0.4	0.1
10 Th	0503	4.8	1.5
	1112	0.4	0.1
	1713	4.2	1.3
	2322	0.2	0.1
11 F	0549	5.0	1.5
	1158	0.2	0.1
	1800	4.4	1.3
12 Sa	0007	0.0	0.0
	0634	5.1	1.6
	1240	0.0	0.0
	1842	4.6	1.4
13 Su	0052	-0.2	-0.1
	0712	5.2	1.6
	1319	-0.1	0.0
	1921	4.8	1.5
14 M	0132	-0.3	-0.1
	0751	5.2	1.6
	1357	-0.2	-0.1
	1957	5.0	1.5
15 Tu	0211	-0.3	-0.1
	0823	5.1	1.6
	1433	-0.3	-0.1
	2033	5.2	1.6
16 W	0250	-0.3	-0.1
	0858	5.0	1.5
	1509	-0.3	-0.1
	2109	5.3	1.6
17 Th	0330	-0.2	-0.1
	0933	4.9	1.5
	1546	-0.3	-0.1
	2149	5.4	1.6
18 F	0413	-0.1	0.0
	1010	4.7	1.4
	1626	-0.2	-0.1
	2232	5.4	1.6
19 Sa	0500	0.1	0.0
	1055	4.5	1.4
	1710	-0.1	0.0
	2324	5.4	1.6
20 Su	0551	0.3	0.1
	1147	4.4	1.3
	1804	0.0	0.0
21 M	0023	5.3	1.6
	0654	0.4	0.1
	1251	4.2	1.3
	1905	0.1	0.0
22 Tu	0132	5.3	1.6
	0801	0.5	0.2
	1403	4.2	1.3
	2017	0.1	0.0
23 W	0242	5.3	1.6
	0914	0.3	0.1
	1516	4.4	1.3
	2128	-0.1	0.0
24 Th	0351	5.5	1.7
	1019	0.1	0.0
	1625	4.7	1.4
	2233	-0.4	-0.1
25 F	0456	5.7	1.7
	1117	-0.2	-0.1
	1727	5.1	1.6
	2334	-0.7	-0.2
26 Sa	0553	5.9	1.8
	1208	-0.6	-0.2
	1823	5.5	1.7
27 Su	0029	-0.9	-0.3
	0646	5.9	1.8
	1258	-0.8	-0.2
	1915	5.9	1.8
28 M	0120	-1.0	-0.3
	0737	5.9	1.8
	1344	-0.9	-0.3
	2004	6.0	1.8
29 Tu	0209	-1.0	-0.3
	0823	5.8	1.8
	1427	-0.9	-0.3
	2050	6.1	1.9
30 W	0256	-0.9	-0.3
	0907	5.5	1.7
	1510	-0.7	-0.2
	2135	6.0	1.8
31 Th	0341	-0.6	-0.2
	0951	5.2	1.6
	1551	-0.5	-0.2
	2219	5.8	1.8

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0426	-0.3	-0.1	16	0359	-0.1	0.0
F	1033	4.8	1.5	Sa	0954	4.7	1.4
	1633	-0.1	0.0		1605	-0.2	-0.1
	2303	5.5	1.7		2221	5.9	1.8
2	0514	0.1	0.0	17	0449	0.0	0.0
Sa	1118	4.5	1.4	Su	1044	4.6	1.4
	1716	0.2	0.1		1654	-0.1	0.0
	2351	5.2	1.6		2314	5.7	1.7
3	0559	0.4	0.1	18	0544	0.2	0.1
Su	1203	4.2	1.3	M	1144	4.4	1.3
	1803	0.5	0.2		1748	0.0	0.0
4	0038	4.9	1.5	19	0014	5.6	1.7
M	0651	0.7	0.2	Tu	0644	0.3	0.1
	1254	4.0	1.2		1251	4.4	1.3
	1856	0.7	0.2		1856	0.2	0.1
5	0133	4.7	1.4	20	0121	5.5	1.7
Tu	0747	0.8	0.2	W	0751	0.3	0.1
	1350	4.0	1.2		1400	4.5	1.4
	1956	0.8	0.2		2005	0.2	0.1
6	0230	4.6	1.4	21	0228	5.5	1.7
W	0846	0.8	0.2	Th	0855	0.2	0.1
	1447	4.0	1.2		1510	4.7	1.4
	2056	0.8	0.2		2114	0.1	0.0
7	0326	4.7	1.4	22	0335	5.5	1.7
Th	0942	0.7	0.2	F	0958	0.0	0.0
	1545	4.1	1.2		1614	5.1	1.6
	2155	0.7	0.2		2219	-0.2	-0.1
8	0420	4.8	1.5	23	0435	5.5	1.7
F	1035	0.5	0.2	Sa	1053	-0.3	-0.1
	1637	4.4	1.3		1712	5.5	1.7
	2248	0.5	0.2		2317	-0.4	-0.1
9	0509	4.9	1.5	24	0531	5.6	1.7
Sa	1120	0.3	0.1	Su	1144	-0.5	-0.2
	1725	4.7	1.4		1807	5.8	1.8
	2338	0.3	0.1				
10	0554	5.0	1.5	25	0011	-0.6	-0.2
Su	1203	0.1	0.0	M	0623	5.6	1.7
	1808	5.0	1.5		1231	-0.7	-0.2
					1855	6.1	1.9
11	0023	0.0	0.0	26	0102	-0.7	-0.2
M	0637	5.1	1.6	Tu	0712	5.5	1.7
	1244	-0.1	0.0		1314	-0.7	-0.2
	1850	5.3	1.6		1942	6.2	1.9
12	0107	-0.1	0.0	27	0149	-0.6	-0.2
Tu	0715	5.1	1.6	W	0757	5.3	1.6
	1323	-0.2	-0.1		1357	-0.6	-0.2
	1930	5.5	1.7		2025	6.2	1.9
13	0149	-0.2	-0.1	28	0234	-0.5	-0.2
W	0754	5.1	1.6	Th	0839	5.1	1.6
	1402	-0.3	-0.1		1439	-0.5	-0.2
	2009	5.7	1.7		2108	6.1	1.9
14	0231	-0.3	-0.1	29	0317	-0.3	-0.1
Th	0832	5.0	1.5	F	0921	4.9	1.5
	1441	-0.4	-0.1		1517	-0.2	-0.1
	2048	5.9	1.8		2149	5.8	1.8
15	0314	-0.2	-0.1	30	0400	-0.1	0.0
F	0912	4.9	1.5	Sa	1002	4.6	1.4
	1521	-0.3	-0.1		1559	0.1	0.0
	2131	5.9	1.8		2230	5.5	1.7

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0442	0.2	0.1	16	0439	-0.2	-0.1
Su	1042	4.4	1.3	M	1042	4.6	1.4
	1642	0.3	0.1		1642	-0.3	-0.1
	2311	5.3	1.6		2308	6.0	1.8
2	0528	0.5	0.2	17	0535	0.0	0.0
M	1127	4.2	1.3	Tu	1143	4.6	1.4
	1726	0.6	0.2		1742	-0.1	0.0
	2358	5.0	1.5				
3	0617	0.7	0.2	18	0008	5.8	1.8
Tu	1214	4.1	1.2	W	0633	0.0	0.0
	1815	0.8	0.2		1247	4.6	1.4
					1845	0.1	0.0
4	0048	4.8	1.5	19	0109	5.6	1.7
W	0707	0.8	0.2	Th	0734	0.0	0.0
	1307	4.0	1.2		1353	4.8	1.5
	1911	1.0	0.3		1952	0.2	0.1
5	0141	4.7	1.4	20	0212	5.4	1.6
Th	0803	0.8	0.2	F	0835	0.0	0.0
	1405	4.1	1.2		1457	5.0	1.5
	2013	1.0	0.3		2059	0.1	0.0
6	0234	4.6	1.4	21	0314	5.3	1.6
F	0857	0.7	0.2	Sa	0932	-0.2	-0.1
	1502	4.3	1.3		1558	5.3	1.6
	2113	0.9	0.3		2201	0.0	0.0
7	0328	4.6	1.4	22	0412	5.3	1.6
Sa	0949	0.5	0.2	Su	1027	-0.3	-0.1
	1555	4.5	1.4		1653	5.7	1.7
	2210	0.7	0.2		2259	-0.1	0.0
8	0420	4.7	1.4	23	0505	5.2	1.6
Su	1037	0.3	0.1	M	1117	-0.5	-0.2
	1645	4.9	1.5		1745	5.9	1.8
	2302	0.5	0.2		2352	-0.3	-0.1
9	0509	4.8	1.5	24	0557	5.1	1.6
M	1123	0.1	0.0	Tu	1203	-0.5	-0.2
	1732	5.3	1.6		1833	6.1	1.9
	2352	0.2	0.1				
10	0554	4.9	1.5	25	0042	-0.3	-0.1
Tu	1206	-0.2	-0.1	W	0643	5.0	1.5
	1817	5.6	1.7		1247	-0.5	-0.2
					1919	6.1	1.9
11	0039	0.0	0.0	26	0128	-0.3	-0.1
W	0639	4.9	1.5	Th	0729	4.8	1.5
	1248	-0.3	-0.1		1329	-0.5	-0.2
	1900	5.9	1.8		2001	6.1	1.9
12	0126	-0.2	-0.1	27	0210	-0.2	-0.1
Th	0724	4.9	1.5	F	0812	4.7	1.4
	1332	-0.5	-0.2		1410	-0.3	-0.1
	1946	6.1	1.9		2043	5.9	1.8
13	0212	-0.3	-0.1	28	0253	-0.1	0.0
F	0809	4.9	1.5	Sa	0852	4.5	1.4
	1415	-0.5	-0.2		1450	-0.1	0.0
	2033	6.2	1.9		2122	5.7	1.7
14	0259	-0.3	-0.1	29	0335	0.1	0.0
Sa	0856	4.8	1.5	Su	0932	4.4	1.3
	1501	-0.5	-0.2		1528	0.1	0.0
	2119	6.2	1.9		2201	5.5	1.7
15	0348	-0.3	-0.1	30	0415	0.2	0.1
Su	0948	4.7	1.4	M	1010	4.2	1.3
	1551	-0.4	-0.1		1610	0.3	0.1
	2212	6.2	1.9		2239	5.3	1.6
				31	0458	0.4	0.1
				Tu	1052	4.1	1.2
					1651	0.5	0.2
					2319	5.0	1.5

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0543	0.5	0.2	16	0616	-0.3	-0.1
W	1139	4.1	1.2	Th	1236	4.9	1.5
	1737	0.7	0.2		1832	-0.1	0.0
2	0003	4.8	1.5	17	0054	5.6	1.7
Th	0628	0.6	0.2	F	0712	-0.3	-0.1
	1225	4.1	1.2		1337	5.1	1.6
	1828	0.9	0.3		1935	0.1	0.0
3	0049	4.7	1.4	18	0151	5.3	1.6
F	0718	0.6	0.2	Sa	0809	-0.3	-0.1
	1321	4.2	1.3		1439	5.2	1.6
	1926	1.0	0.3		2039	0.2	0.1
4	0139	4.6	1.4	19	0249	5.1	1.6
Sa	0807	0.5	0.2	Su	0905	-0.3	-0.1
	1415	4.4	1.3		1537	5.4	1.6
	2027	0.9	0.3		2142	0.2	0.1
5	0235	4.5	1.4	20	0345	4.9	1.5
Su	0900	0.4	0.1	M	0958	-0.3	-0.1
	1510	4.7	1.4		1630	5.6	1.7
	2127	0.8	0.2		2239	0.1	0.0
6	0327	4.5	1.4	21	0440	4.7	1.4
M	0951	0.2	0.1	Tu	1048	-0.3	-0.1
	1603	5.0	1.5		1722	5.8	1.8
	2227	0.6	0.2		2331	0.0	0.0
7	0421	4.5	1.4	22	0530	4.6	1.4
Tu	1040	0.0	0.0	W	1136	-0.4	-0.1
	1653	5.4	1.6		1811	5.9	1.8
	2321	0.3	0.1				
8	0512	4.6	1.4	23	0021	0.0	0.0
W	1130	-0.3	-0.1	Th	0617	4.6	1.4
	1744	5.8	1.8		1221	-0.3	-0.1
					1855	5.9	1.8
9	0013	0.0	0.0	24	0104	0.0	0.0
Th	0607	4.7	1.4	F	0703	4.5	1.4
	1217	-0.5	-0.2		1303	-0.3	-0.1
	1835	6.1	1.9		1938	5.9	1.8
10	0103	-0.2	-0.1	25	0148	0.0	0.0
F	0656	4.7	1.4	Sa	0745	4.4	1.3
	1307	-0.7	-0.2		1344	-0.2	-0.1
	1926	6.3	1.9		2018	5.8	1.8
11	0154	-0.4	-0.1	26	0230	0.0	0.0
Sa	0749	4.8	1.5	Su	0827	4.4	1.3
	1355	-0.8	-0.2		1425	-0.1	0.0
	2017	6.4	2.0		2056	5.6	1.7
12	0245	-0.5	-0.2	27	0308	0.1	0.0
Su	0844	4.8	1.5	M	0904	4.3	1.3
	1445	-0.8	-0.2		1503	0.1	0.0
	2109	6.4	2.0		2133	5.5	1.7
13	0336	-0.5	-0.2	28	0348	0.2	0.1
M	0938	4.8	1.5	Tu	0943	4.3	1.3
	1538	-0.7	-0.2		1541	0.2	0.1
	2203	6.3	1.9		2209	5.3	1.6
14	0427	-0.4	-0.1	29	0428	0.3	0.1
Tu	1034	4.8	1.5	W	1021	4.2	1.3
	1631	-0.5	-0.2		1621	0.4	0.1
	2258	6.1	1.9		2244	5.1	1.6
15	0521	-0.4	-0.1	30	0508	0.3	0.1
W	1135	4.9	1.5	Th	1100	4.2	1.3
	1729	-0.3	-0.1		1704	0.6	0.2
	2355	5.9	1.8		2319	4.9	1.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0548	0.4	0.1	16	0028	5.5	1.7
F	1146	4.3	1.3	Sa	0644	-0.4	-0.1
	1751	0.7	0.2		1315	5.4	1.6
					1913	0.2	0.1
2	0001	4.7	1.4	17	0124	5.1	1.6
Sa	0632	0.4	0.1	Su	0738	-0.2	-0.1
	1233	4.4	1.3		1414	5.4	1.6
	1843	0.9	0.3		2015	0.4	0.1
3	0047	4.6	1.4	18	0223	4.8	1.5
Su	0720	0.4	0.1	M	0833	-0.1	0.0
	1328	4.6	1.4		1510	5.5	1.7
	1942	0.9	0.3		2115	0.4	0.1
4	0141	4.5	1.4	19	0318	4.6	1.4
M	0811	0.3	0.1	Tu	0927	-0.1	0.0
	1423	4.8	1.5		1606	5.6	1.7
	2047	0.8	0.2		2214	0.5	0.2
5	0238	4.4	1.3	20	0411	4.5	1.4
Tu	0905	0.1	0.0	W	1019	0.0	0.0
	1523	5.2	1.6		1657	5.6	1.7
	2151	0.7	0.2		2309	0.4	0.1
6	0337	4.4	1.3	21	0505	4.4	1.3
W	1000	-0.1	0.0	Th	1109	0.0	0.0
	1619	5.5	1.7		1747	5.7	1.7
	2251	0.4	0.1		2357	0.3	0.1
7	0437	4.4	1.3	22	0552	4.4	1.3
Th	1056	-0.3	-0.1	F	1157	-0.1	0.0
	1717	5.9	1.8		1833	5.7	1.7
	2349	0.1	0.0				
8	0538	4.6	1.4	23	0041	0.2	0.1
F	1152	-0.6	-0.2	Sa	0639	4.5	1.4
	1815	6.2	1.9		1239	-0.1	0.0
					1915	5.8	1.8
9	0043	-0.2	-0.1	24	0125	0.2	0.1
Sa	0635	4.7	1.4	Su	0722	4.5	1.4
	1245	-0.8	-0.2		1322	-0.1	0.0
	1908	6.4	2.0		1953	5.7	1.7
10	0135	-0.4	-0.1	25	0204	0.1	0.0
Su	0733	4.9	1.5	M	0801	4.5	1.4
	1338	-0.9	-0.3		1401	0.0	0.0
	2002	6.6	2.0		2032	5.6	1.7
11	0227	-0.6	-0.2	26	0242	0.1	0.0
M	0829	5.0	1.5	Tu	0839	4.5	1.4
	1430	-1.0	-0.3		1439	0.1	0.0
	2056	6.6	2.0		2106	5.5	1.7
12	0317	-0.7	-0.2	27	0319	0.2	0.1
Tu	0925	5.2	1.6	W	0914	4.6	1.4
	1524	-0.9	-0.3		1517	0.2	0.1
	2149	6.5	2.0		2138	5.4	1.6
13	0408	-0.7	-0.2	28	0356	0.2	0.1
W	1022	5.2	1.6	Th	0949	4.6	1.4
	1618	-0.7	-0.2		1554	0.4	0.1
	2242	6.2	1.9		2212	5.2	1.6
14	0500	-0.6	-0.2	29	0433	0.3	0.1
Th	1119	5.3	1.6	F	1027	4.6	1.4
	1714	-0.4	-0.1		1635	0.5	0.2
	2335	5.9	1.8		2244	5.0	1.5
15	0551	-0.5	-0.2	30	0510	0.3	0.1
F	1216	5.3	1.6	Sa	1107	4.7	1.4
	1813	-0.1	0.0		1718	0.7	0.2
					2319	4.9	1.5
				31	0550	0.3	0.1
				Su	1153	4.8	1.5
					1808	0.8	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0004	4.7	1.4	16	0150	4.7	1.4
M	0635	0.3	0.1	Tu	0759	0.3	0.1
	1245	5.0	1.5		1441	5.5	1.7
	1905	1.0	0.3		2046	0.8	0.2
2	0056	4.5	1.4	17	0249	4.5	1.4
Tu	0727	0.3	0.1	W	0855	0.4	0.1
	1344	5.1	1.6		1537	5.5	1.7
	2012	1.0	0.3		2145	0.9	0.3
3	0155	4.4	1.3	18	0345	4.4	1.3
W	0826	0.2	0.1	Th	0950	0.4	0.1
	1449	5.4	1.6		1632	5.5	1.7
	2118	0.9	0.3		2240	0.8	0.2
4	0304	4.4	1.3	19	0437	4.4	1.3
Th	0928	0.1	0.0	F	1044	0.4	0.1
	1554	5.7	1.7		1720	5.6	1.7
	2227	0.6	0.2		2330	0.7	0.2
5	0412	4.5	1.4	20	0527	4.5	1.4
F	1032	-0.2	-0.1	Sa	1131	0.3	0.1
	1656	6.0	1.8		1805	5.7	1.7
	2325	0.3	0.1				
6	0517	4.7	1.4	21	0015	0.5	0.2
Sa	1131	-0.5	-0.2	Su	0614	4.7	1.4
	1754	6.3	1.9		1217	0.2	0.1
					1849	5.8	1.8
7	0022	-0.1	0.0	22	0055	0.4	0.1
Su	0618	5.0	1.5	M	0656	4.8	1.5
	1227	-0.7	-0.2		1259	0.2	0.1
	1852	6.6	2.0		1927	5.8	1.8
8	0116	-0.4	-0.1	23	0136	0.3	0.1
M	0718	5.3	1.6	Tu	0735	4.9	1.5
	1322	-0.9	-0.3		1338	0.2	0.1
	1946	6.7	2.0		2004	5.8	1.8
9	0206	-0.6	-0.2	24	0213	0.2	0.1
Tu	0814	5.6	1.7	W	0812	5.0	1.5
	1415	-1.0	-0.3		1416	0.2	0.1
	2038	6.7	2.0		2037	5.7	1.7
10	0256	-0.7	-0.2	25	0249	0.2	0.1
W	0909	5.7	1.7	Th	0845	5.1	1.6
	1508	-0.9	-0.3		1453	0.3	0.1
	2130	6.6	2.0		2107	5.5	1.7
11	0344	-0.7	-0.2	26	0324	0.3	0.1
Th	1002	5.8	1.8	F	0919	5.2	1.6
	1601	-0.6	-0.2		1530	0.4	0.1
	2220	6.3	1.9		2137	5.3	1.6
12	0433	-0.6	-0.2	27	0357	0.3	0.1
F	1055	5.8	1.8	Sa	0956	5.2	1.6
	1655	-0.3	-0.1		1610	0.6	0.2
	2310	5.9	1.8		2209	5.2	1.6
13	0521	-0.4	-0.1	28	0433	0.4	0.1
Sa	1150	5.8	1.8	Su	1034	5.3	1.6
	1750	0.0	0.0		1651	0.8	0.2
					2246	5.0	1.5
14	0003	5.4	1.6	29	0514	0.4	0.1
Su	0612	-0.2	-0.1	M	1119	5.4	1.6
	1245	5.7	1.7		1742	0.9	0.3
	1848	0.4	0.1		2329	4.8	1.5
15	0056	5.0	1.5	30	0558	0.5	0.2
M	0704	0.1	0.0	Tu	1214	5.4	1.6
	1342	5.6	1.7		1838	1.1	0.3
	1947	0.7	0.2				
				31	0024	4.6	1.4
				W	0653	0.5	0.2
					1315	5.5	1.7
					1944	1.1	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0131	4.5	1.4	16	0311	4.5	1.4
Th	0758	0.5	0.2	F	0921	0.9	0.3
	1424	5.6	1.7		1558	5.4	1.6
	2057	1.1	0.3		2207	1.1	0.3
2	0243	4.6	1.4	17	0407	4.6	1.4
F	0906	0.3	0.1	Sa	1014	0.8	0.2
	1532	5.9	1.8		1648	5.5	1.7
	2204	0.8	0.2		2257	0.9	0.3
3	0358	4.8	1.5	18	0458	4.8	1.5
Sa	1012	0.1	0.0	Su	1104	0.7	0.2
	1637	6.2	1.9		1734	5.7	1.7
	2307	0.4	0.1		2344	0.7	0.2
4	0504	5.1	1.6	19	0546	5.0	1.5
Su	1115	-0.3	-0.1	M	1149	0.5	0.2
	1738	6.5	2.0		1816	5.8	1.8
5	0002	0.0	0.0	20	0025	0.5	0.2
M	0607	5.5	1.7	Tu	0627	5.2	1.6
	1213	-0.5	-0.2		1234	0.4	0.1
	1834	6.7	2.0		1856	5.8	1.8
6	0055	-0.3	-0.1	21	0103	0.4	0.1
Tu	0703	5.9	1.8	W	0706	5.4	1.6
	1307	-0.7	-0.2		1314	0.3	0.1
	1927	6.8	2.1		1931	5.8	1.8
7	0143	-0.5	-0.2	22	0140	0.3	0.1
W	0756	6.2	1.9	Th	0741	5.5	1.7
	1400	-0.8	-0.2		1354	0.3	0.1
	2018	6.7	2.0		2006	5.7	1.7
8	0230	-0.6	-0.2	23	0216	0.3	0.1
Th	0848	6.4	2.0	F	0817	5.6	1.7
	1451	-0.7	-0.2		1431	0.4	0.1
	2107	6.5	2.0		2038	5.6	1.7
9	0317	-0.6	-0.2	24	0250	0.3	0.1
F	0938	6.4	2.0	Sa	0851	5.7	1.7
	1541	-0.4	-0.1		1509	0.5	0.2
	2156	6.2	1.9		2108	5.4	1.6
10	0402	-0.4	-0.1	25	0326	0.3	0.1
Sa	1029	6.3	1.9	Su	0927	5.8	1.8
	1631	-0.1	0.0		1549	0.6	0.2
	2242	5.8	1.8		2144	5.2	1.6
11	0447	-0.1	0.0	26	0403	0.4	0.1
Su	1120	6.1	1.9	M	1009	5.8	1.8
	1724	0.3	0.1		1634	0.8	0.2
	2332	5.3	1.6		2221	5.0	1.5
12	0537	0.2	0.1	27	0445	0.5	0.2
M	1214	5.9	1.8	Tu	1055	5.8	1.8
	1817	0.7	0.2		1723	1.0	0.3
					2310	4.8	1.5
13	0024	4.9	1.5	28	0532	0.6	0.2
Tu	0628	0.5	0.2	W	1151	5.8	1.8
	1306	5.6	1.7		1820	1.1	0.3
	1915	1.0	0.3				
14	0118	4.7	1.4	29	0009	4.7	1.4
W	0723	0.8	0.2	Th	0631	0.6	0.2
	1405	5.5	1.7		1257	5.8	1.8
	2014	1.2	0.4		1928	1.2	0.4
15	0214	4.5	1.4	30	0121	4.6	1.4
Th	0820	0.9	0.3	F	0740	0.6	0.2
	1502	5.4	1.6		1406	5.8	1.8
	2113	1.2	0.4		2037	1.1	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0237	4.8	1.5	16	0332	4.6	1.4
Sa	0850	0.5	0.2	Su	0939	1.1	0.3
	1515	6.0	1.8		1608	5.3	1.6
	2146	0.8	0.2		2219	1.0	0.3
2	0347	5.1	1.6	17	0424	4.8	1.5
Su	0958	0.3	0.1	M	1032	1.0	0.3
	1619	6.2	1.9		1653	5.4	1.6
	2245	0.4	0.1		2304	0.8	0.2
3	0453	5.5	1.7	18	0512	5.1	1.6
M	1101	0.0	0.0	Tu	1120	0.8	0.2
	1720	6.4	2.0		1738	5.5	1.7
	2340	0.0	0.0		2349	0.5	0.2
4	0552	6.0	1.8	19	0555	5.4	1.6
Tu	1158	-0.3	-0.1	W	1205	0.6	0.2
	1815	6.5	2.0		1820	5.6	1.7
5	0030	-0.3	-0.1	20	0029	0.4	0.1
W	0645	6.3	1.9	Th	0634	5.7	1.7
	1252	-0.5	-0.2		1248	0.4	0.1
	1907	6.6	2.0		1857	5.6	1.7
6	0117	-0.5	-0.2	21	0106	0.2	0.1
Th	0736	6.6	2.0	F	0712	5.9	1.8
	1343	-0.5	-0.2		1330	0.4	0.1
	1954	6.4	2.0		1934	5.5	1.7
7	0203	-0.5	-0.2	22	0143	0.1	0.0
F	0825	6.7	2.0	Sa	0750	6.0	1.8
	1432	-0.4	-0.1		1411	0.3	0.1
	2042	6.2	1.9		2009	5.4	1.6
8	0247	-0.4	-0.1	23	0221	0.1	0.0
Sa	0913	6.7	2.0	Su	0829	6.1	1.9
	1520	-0.2	-0.1		1451	0.4	0.1
	2127	5.9	1.8		2045	5.2	1.6
9	0331	-0.2	-0.1	24	0258	0.1	0.0
Su	1001	6.5	2.0	M	0908	6.2	1.9
	1607	0.1	0.0		1534	0.5	0.2
	2213	5.5	1.7		2124	5.1	1.6
10	0415	0.1	0.0	25	0339	0.2	0.1
M	1049	6.2	1.9	Tu	0953	6.2	1.9
	1655	0.5	0.2		1620	0.6	0.2
	2258	5.1	1.6		2210	4.9	1.5
11	0500	0.4	0.1	26	0424	0.3	0.1
Tu	1137	5.9	1.8	W	1044	6.1	1.9
	1746	0.9	0.3		1711	0.8	0.2
	2348	4.8	1.5		2303	4.8	1.5
12	0550	0.8	0.2	27	0516	0.4	0.1
W	1230	5.6	1.7	Th	1140	5.9	1.8
	1838	1.1	0.3		1809	0.9	0.3
13	0041	4.6	1.4	28	0006	4.7	1.4
Th	0641	1.0	0.3	F	0619	0.5	0.2
	1325	5.4	1.6		1246	5.8	1.8
	1935	1.3	0.4		1915	0.9	0.3
14	0137	4.5	1.4	29	0120	4.7	1.4
F	0741	1.2	0.4	Sa	0728	0.6	0.2
	1419	5.3	1.6		1354	5.8	1.8
	2032	1.3	0.4		2022	0.8	0.2
15	0236	4.5	1.4	30	0230	4.9	1.5
Sa	0841	1.2	0.4	Su	0837	0.5	0.2
	1516	5.3	1.6		1459	5.9	1.8
	2128	1.2	0.4		2126	0.5	0.2
				31	0339	5.3	1.6
				M	0945	0.3	0.1
					1601	5.9	1.8
					2223	0.2	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0440	5.7	1.7	16	0432	5.0	1.5
Tu	1046	0.0	0.0	W	1045	0.8	0.2
	1659	6.0	1.8		1653	5.1	1.6
	2315	-0.1	0.0		2308	0.4	0.1
2	0536	6.1	1.9	17	0518	5.3	1.6
W	1142	-0.2	-0.1	Th	1133	0.6	0.2
	1753	6.1	1.9		1738	5.1	1.6
					2350	0.2	0.1
3	0005	-0.4	-0.1	18	0600	5.7	1.7
Th	0627	6.5	2.0	F	1220	0.4	0.1
	1234	-0.3	-0.1		1821	5.1	1.6
	1843	6.0	1.8				
4	0052	-0.5	-0.2	19	0032	0.0	0.0
F	0716	6.7	2.0	Sa	0643	5.9	1.8
	1324	-0.4	-0.1		1306	0.2	0.1
	1930	5.9	1.8		1903	5.1	1.6
5	0136	-0.5	-0.2	20	0114	-0.2	-0.1
Sa	0804	6.7	2.0	Su	0727	6.1	1.9
	1411	-0.3	-0.1		1350	0.1	0.0
	2016	5.7	1.7		1945	5.1	1.6
6	0218	-0.4	-0.1	21	0155	-0.2	-0.1
Su	0848	6.6	2.0	M	0808	6.2	1.9
	1457	-0.1	0.0		1434	0.1	0.0
	2101	5.4	1.6		2027	5.0	1.5
7	0301	-0.2	-0.1	22	0238	-0.3	-0.1
M	0933	6.3	1.9	Tu	0855	6.3	1.9
	1543	0.2	0.1		1520	0.1	0.0
	2144	5.1	1.6		2114	4.9	1.5
8	0343	0.1	0.0	23	0323	-0.2	-0.1
Tu	1018	6.0	1.8	W	0941	6.2	1.9
	1628	0.5	0.2		1610	0.2	0.1
	2229	4.8	1.5		2205	4.8	1.5
9	0426	0.4	0.1	24	0413	-0.1	0.0
W	1103	5.7	1.7	Th	1036	6.1	1.9
	1714	0.8	0.2		1703	0.3	0.1
	2311	4.6	1.4		2303	4.7	1.4
10	0511	0.7	0.2	25	0508	0.0	0.0
Th	1151	5.4	1.6	F	1132	5.9	1.8
	1802	1.0	0.3		1759	0.4	0.1
11	0001	4.4	1.3	26	0004	4.7	1.4
F	0602	1.0	0.3	Sa	0609	0.2	0.1
	1239	5.2	1.6		1233	5.8	1.8
	1854	1.1	0.3		1859	0.4	0.1
12	0056	4.3	1.3	27	0113	4.8	1.5
Sa	0657	1.1	0.3	Su	0715	0.3	0.1
	1333	5.0	1.5		1338	5.6	1.7
	1948	1.1	0.3		2000	0.3	0.1
13	0152	4.3	1.3	28	0219	5.0	1.5
Su	0756	1.2	0.4	M	0822	0.3	0.1
	1425	5.0	1.5		1440	5.5	1.7
	2043	1.0	0.3		2101	0.1	0.0
14	0246	4.5	1.4	29	0323	5.3	1.6
M	0855	1.2	0.4	Tu	0929	0.2	0.1
	1518	5.0	1.5		1540	5.4	1.6
	2134	0.8	0.2		2158	-0.1	0.0
15	0341	4.7	1.4	30	0422	5.7	1.7
Tu	0952	1.0	0.3	W	1030	0.0	0.0
	1608	5.0	1.5		1637	5.4	1.6
	2222	0.6	0.2		2251	-0.3	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0518	6.0	1.8	16	0435	5.1	1.6
Th	1126	-0.1	0.0	F	1102	0.5	0.2
	1731	5.3	1.6		1657	4.5	1.4
	2341	-0.5	-0.2		2312	-0.1	0.0
2	0609	6.2	1.9	17	0525	5.5	1.7
F	1218	-0.3	-0.1	Sa	1153	0.2	0.1
	1821	5.3	1.6		1746	4.6	1.4
					2359	-0.3	-0.1
3	0026	-0.6	-0.2	18	0616	5.8	1.8
Sa	0658	6.3	1.9	Su	1242	0.0	0.0
	1305	-0.3	-0.1		1834	4.7	1.4
	1908	5.2	1.6				
4	0111	-0.6	-0.2	19	0045	-0.6	-0.2
Su	0742	6.3	1.9	M	0703	6.0	1.8
	1351	-0.2	-0.1		1330	-0.2	-0.1
	1954	5.0	1.5		1925	4.7	1.4
5	0154	-0.5	-0.2	20	0134	-0.7	-0.2
M	0827	6.2	1.9	Tu	0753	6.2	1.9
	1436	-0.1	0.0		1417	-0.3	-0.1
	2036	4.9	1.5		2014	4.8	1.5
6	0235	-0.3	-0.1	21	0221	-0.8	-0.2
Tu	0909	6.0	1.8	W	0843	6.2	1.9
	1518	0.1	0.0		1507	-0.4	-0.1
	2117	4.7	1.4		2104	4.8	1.5
7	0317	-0.1	0.0	22	0311	-0.8	-0.2
W	0951	5.7	1.7	Th	0934	6.2	1.9
	1600	0.2	0.1		1557	-0.4	-0.1
	2157	4.5	1.4		2159	4.8	1.5
8	0357	0.1	0.0	23	0402	-0.7	-0.2
Th	1029	5.4	1.6	F	1026	6.1	1.9
	1642	0.4	0.1		1647	-0.3	-0.1
	2239	4.3	1.3		2255	4.8	1.5
9	0439	0.4	0.1	24	0458	-0.5	-0.2
F	1111	5.2	1.6	Sa	1121	5.8	1.8
	1726	0.6	0.2		1742	-0.3	-0.1
	2323	4.2	1.3		2356	4.9	1.5
10	0524	0.6	0.2	25	0556	-0.3	-0.1
Sa	1153	4.9	1.5	Su	1217	5.6	1.7
	1812	0.7	0.2		1838	-0.2	-0.1
11	0009	4.2	1.3	26	0059	4.9	1.5
Su	0612	0.8	0.2	M	0659	-0.1	0.0
	1240	4.8	1.5		1316	5.3	1.6
	1859	0.7	0.2		1936	-0.2	-0.1
12	0101	4.2	1.3	27	0203	5.1	1.6
M	0708	0.9	0.3	Tu	0805	0.0	0.0
	1329	4.6	1.4		1416	5.0	1.5
	1951	0.7	0.2		2034	-0.3	-0.1
13	0156	4.3	1.3	28	0304	5.2	1.6
Tu	0807	1.0	0.3	W	0910	0.0	0.0
	1420	4.5	1.4		1516	4.8	1.5
	2043	0.6	0.2		2130	-0.3	-0.1
14	0252	4.5	1.4	29	0402	5.4	1.6
W	0907	0.9	0.3	Th	1011	0.0	0.0
	1511	4.5	1.4		1614	4.7	1.4
	2134	0.4	0.1		2225	-0.4	-0.1
15	0344	4.8	1.5	30	0459	5.6	1.7
Th	1006	0.7	0.2	F	1107	-0.1	0.0
	1606	4.5	1.4		1709	4.6	1.4
	2225	0.2	0.1		2316	-0.5	-0.2
				31	0549	5.8	1.8
				Sa	1158	-0.2	-0.1
					1800	4.6	1.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time (h m)	Height ft	Height m
1 Sa	0312	-1.5	-0.5
	0921	8.4	2.6
	1552	-1.1	-0.3
	2149	6.9	2.1
2 Su	0405	-1.3	-0.4
	1016	8.1	2.5
	1643	-0.9	-0.3
	2248	6.8	2.1
3 M	0459	-1.0	-0.3
	1111	7.7	2.3
	1736	-0.7	-0.2
	2348	6.7	2.0
4 Tu	0557	-0.7	-0.2
	1207	7.3	2.2
	1829	-0.5	-0.2
5 W	0047	6.6	2.0
	0657	-0.3	-0.1
	1303	6.8	2.1
	1927	-0.3	-0.1
6 Th	0147	6.5	2.0
	0758	0.0	0.0
	1358	6.4	2.0
	2025	-0.2	-0.1
7 F	0248	6.5	2.0
	0901	0.1	0.0
	1457	6.1	1.9
	2120	-0.1	0.0
8 Sa	0348	6.6	2.0
	0957	0.2	0.1
	1554	5.9	1.8
	2212	-0.1	0.0
9 Su	0444	6.7	2.0
	1049	0.1	0.0
	1649	5.8	1.8
	2258	-0.2	-0.1
10 M	0534	6.8	2.1
	1140	0.1	0.0
	1740	5.8	1.8
	2346	-0.2	-0.1
11 Tu	0621	6.9	2.1
	1226	0.0	0.0
	1824	5.9	1.8
12 W	0030	-0.3	-0.1
	0701	7.0	2.1
	1312	0.0	0.0
	1903	5.9	1.8
13 Th	0112	-0.3	-0.1
	0738	7.0	2.1
	1354	-0.1	0.0
	1940	6.0	1.8
14 F	0154	-0.3	-0.1
	0812	7.0	2.1
	1435	-0.1	0.0
	2015	6.0	1.8
15 Sa	0234	-0.3	-0.1
	0845	6.9	2.1
	1513	-0.1	0.0
	2050	6.0	1.8
16 Su	0310	-0.2	-0.1
	0918	6.8	2.1
	1550	0.0	0.0
	2126	6.0	1.8
17 M	0347	-0.1	0.0
	0951	6.7	2.0
	1627	0.0	0.0
	2203	6.0	1.8
18 Tu	0427	0.0	0.0
	1027	6.5	2.0
	1701	0.1	0.0
	2245	6.0	1.8
19 W	0506	0.2	0.1
	1108	6.3	1.9
	1741	0.1	0.0
	2331	6.1	1.9
20 Th	0551	0.3	0.1
	1151	6.2	1.9
	1827	0.2	0.1
21 F	0021	6.2	1.9
	0645	0.5	0.2
	1242	6.0	1.8
	1918	0.1	0.0
22 Sa	0115	6.4	2.0
	0746	0.5	0.2
	1334	5.8	1.8
	2015	0.0	0.0
23 Su	0214	6.6	2.0
	0852	0.4	0.1
	1433	5.8	1.8
	2116	-0.2	-0.1
24 M	0319	6.8	2.1
	0957	0.2	0.1
	1543	5.8	1.8
	2215	-0.6	-0.2
25 Tu	0426	7.2	2.2
	1100	-0.1	0.0
	1652	6.0	1.8
	2315	-0.9	-0.3
26 W	0531	7.6	2.3
	1200	-0.5	-0.2
	1758	6.4	2.0
27 Th	0011	-1.3	-0.4
	0631	8.0	2.4
	1256	-0.9	-0.3
	1856	6.7	2.0
28 F	0109	-1.6	-0.5
	0725	8.3	2.5
	1352	-1.2	-0.4
	1951	7.0	2.1
29 Sa	0205	-1.8	-0.5
	0817	8.4	2.6
	1443	-1.4	-0.4
	2043	7.2	2.2
30 Su	0259	-1.8	-0.5
	0908	8.3	2.5
	1533	-1.4	-0.4
	2136	7.2	2.2
31 M	0350	-1.7	-0.5
	0958	8.0	2.4
	1621	-1.3	-0.4
	2229	7.2	2.2

FEBRUARY

Day	Time (h m)	Height ft	Height m
1 Tu	0442	-1.4	-0.4
	1049	7.6	2.3
	1709	-1.1	-0.3
	2323	7.0	2.1
2 W	0534	-0.9	-0.3
	1141	7.0	2.1
	1759	-0.8	-0.2
3 Th	0018	6.8	2.1
	0628	-0.5	-0.2
	1231	6.5	2.0
	1849	-0.4	-0.1
4 F	0110	6.6	2.0
	0724	0.0	0.0
	1323	6.0	1.8
	1942	-0.1	0.0
5 Sa	0205	6.3	1.9
	0824	0.3	0.1
	1414	5.7	1.7
	2041	0.1	0.0
6 Su	0304	6.2	1.9
	0924	0.5	0.2
	1510	5.4	1.6
	2135	0.2	0.1
7 M	0406	6.2	1.9
	1018	0.5	0.2
	1610	5.3	1.6
	2227	0.2	0.1
8 Tu	0503	6.2	1.9
	1110	0.4	0.1
	1709	5.4	1.6
	2315	0.1	0.0
9 W	0555	6.4	2.0
	1158	0.3	0.1
	1758	5.6	1.7
10 Th	0003	-0.1	0.0
	0637	6.6	2.0
	1243	0.1	0.0
	1841	5.8	1.8
11 F	0048	-0.2	-0.1
	0715	6.8	2.1
	1328	0.0	0.0
	1918	6.0	1.8
12 Sa	0131	-0.3	-0.1
	0749	6.9	2.1
	1408	-0.2	-0.1
	1954	6.1	1.9
13 Su	0212	-0.4	-0.1
	0823	6.9	2.1
	1445	-0.2	-0.1
	2028	6.3	1.9
14 M	0249	-0.4	-0.1
	0854	6.8	2.1
	1521	-0.3	-0.1
	2102	6.4	2.0
15 Tu	0326	-0.4	-0.1
	0926	6.7	2.0
	1557	-0.3	-0.1
	2139	6.5	2.0
16 W	0403	-0.3	-0.1
	1000	6.6	2.0
	1631	-0.2	-0.1
	2218	6.6	2.0
17 Th	0443	-0.1	0.0
	1039	6.4	2.0
	1706	-0.2	-0.1
	2302	6.7	2.0
18 F	0525	0.0	0.0
	1121	6.2	1.9
	1749	-0.1	0.0
	2349	6.7	2.0
19 Sa	0616	0.3	0.1
	1210	6.0	1.8
	1839	0.0	0.0
20 Su	0043	6.7	2.0
	0716	0.5	0.2
	1306	5.8	1.8
	1941	0.0	0.0
21 M	0145	6.7	2.0
	0825	0.5	0.2
	1409	5.7	1.7
	2049	-0.1	0.0
22 Tu	0254	6.8	2.1
	0936	0.4	0.1
	1522	5.7	1.7
	2155	-0.4	-0.1
23 W	0407	7.0	2.1
	1041	0.0	0.0
	1638	6.0	1.8
	2258	-0.8	-0.2
24 Th	0518	7.4	2.3
	1142	-0.4	-0.1
	1747	6.4	2.0
25 F	0000	-1.2	-0.4
	0619	7.8	2.4
	1240	-0.8	-0.2
	1847	7.0	2.1
26 Sa	0056	-1.5	-0.5
	0712	8.1	2.5
	1333	-1.2	-0.4
	1941	7.4	2.3
27 Su	0152	-1.7	-0.5
	0803	8.2	2.5
	1423	-1.4	-0.4
	2029	7.7	2.3
28 M	0245	-1.8	-0.5
	0849	8.1	2.5
	1510	-1.5	-0.5
	2116	7.7	2.3

MARCH

Day	Time (h m)	Height ft	Height m
1 Tu	0333	-1.7	-0.5
	0935	7.8	2.4
	1555	-1.3	-0.4
	2205	7.6	2.3
2 W	0421	-1.3	-0.4
	1021	7.4	2.3
	1640	-1.1	-0.3
	2253	7.4	2.3
3 Th	0509	-0.9	-0.3
	1107	6.9	2.1
	1724	-0.6	-0.2
	2340	7.0	2.1
4 F	0557	-0.3	-0.1
	1153	6.4	2.0
	1810	-0.2	-0.1
5 Sa	0031	6.7	2.0
	0649	0.2	0.1
	1240	5.9	1.8
	1900	0.3	0.1
6 Su	0121	6.3	1.9
	0745	0.6	0.2
	1331	5.5	1.7
	1956	0.6	0.2
7 M	0216	6.1	1.9
	0845	0.8	0.2
	1426	5.3	1.6
	2054	0.7	0.2
8 Tu	0317	5.9	1.8
	0943	0.8	0.2
	1530	5.2	1.6
	2153	0.7	0.2
9 W	0422	6.0	1.8
	1036	0.7	0.2
	1631	5.4	1.6
	2246	0.5	0.2
10 Th	0518	6.2	1.9
	1126	0.5	0.2
	1726	5.6	1.7
	2335	0.3	0.1
11 F	0608	6.5	2.0
	1211	0.3	0.1
	1812	6.0	1.8
12 Sa	0022	0.0	0.0
	0648	6.7	2.0
	1256	0.1	0.0
	1853	6.3	1.9
13 Su	0105	-0.2	-0.1
	0723	6.9	2.1
	1336	-0.1	0.0
	1928	6.6	2.0
14 M	0147	-0.3	-0.1
	0755	6.9	2.1
	1414	-0.3	-0.1
	2002	6.9	2.1
15 Tu	0226	-0.4	-0.1
	0827	6.9	2.1
	1451	-0.3	-0.1
	2037	7.1	2.2
16 W	0305	-0.4	-0.1
	0900	6.9	2.1
	1524	-0.4	-0.1
	2113	7.2	2.2
17 Th	0342	-0.4	-0.1
	0934	6.7	2.0
	1600	-0.3	-0.1
	2152	7.3	2.2
18 F	0423	-0.2	-0.1
	1013	6.5	2.0
	1639	-0.3	-0.1
	2237	7.3	2.2
19 Sa	0506	0.0	0.0
	1059	6.3	1.9
	1722	-0.1	0.0
	2327	7.2	2.2
20 Su	0556	0.3	0.1
	1148	6.1	1.9
	1815	0.1	0.0
21 M	0023	7.1	2.2
	0657	0.5	0.2
	1247	5.9	1.8
	1919	0.2	0.1
22 Tu	0127	6.9	2.1
	0809	0.6	0.2
	1356	5.8	1.8
	2031	0.2	0.1
23 W	0237	6.9	2.1
	0919	0.5	0.2
	1512	5.9	1.8
	2143	-0.1	0.0
24 Th	0353	7.0	2.1
	1026	0.1	0.0
	1630	6.3	1.9
	2246	-0.5	-0.2
25 F	0505	7.3	2.2
	1126	-0.3	-0.1
	1739	6.8	2.1
	2347	-0.9	-0.3
26 Sa	0604	7.7	2.3
	1219	-0.7	-0.2
	1835	7.4	2.3
27 Su	0044	-1.2	-0.4
	0657	7.9	2.4
	1310	-1.1	-0.3
	1925	7.9	2.4
28 M	0136	-1.4	-0.4
	0744	8.0	2.4
	1358	-1.2	-0.4
	2010	8.1	2.5
29 Tu	0226	-1.5	-0.5
	0828	7.9	2.4
	1443	-1.2	-0.4
	2054	8.2	2.5
30 W	0313	-1.3	-0.4
	0910	7.6	2.3
	1526	-1.0	-0.3
	2138	8.0	2.4
31 Th	0358	-1.0	-0.3
	0952	7.2	2.2
	1608	-0.7	-0.2
	2219	7.6	2.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0442	-0.6	-0.2	16	0407	-0.3	-0.1
F	1033	6.7	2.0	Sa	0954	6.6	2.0
	1647	-0.3	-0.1		1616	-0.3	-0.1
	2304	7.2	2.2		2218	7.8	2.4
2	0525	-0.1	0.0	17	0453	0.0	0.0
Sa	1117	6.3	1.9	Su	1043	6.3	1.9
	1732	0.2	0.1		1704	-0.1	0.0
	2349	6.8	2.1		2312	7.6	2.3
3	0613	0.4	0.1	18	0546	0.2	0.1
Su	1201	5.9	1.8	M	1138	6.1	1.9
	1818	0.6	0.2		1802	0.2	0.1
4	0036	6.4	2.0	19	0010	7.3	2.2
M	0706	0.8	0.2	Tu	0647	0.5	0.2
	1251	5.6	1.7		1242	6.0	1.8
	1912	1.0	0.3		1908	0.3	0.1
5	0129	6.1	1.9	20	0116	7.1	2.2
Tu	0803	1.0	0.3	W	0757	0.5	0.2
	1346	5.4	1.6		1353	6.0	1.8
	2015	1.1	0.3		2020	0.3	0.1
6	0228	5.9	1.8	21	0226	7.0	2.1
W	0903	1.1	0.3	Th	0906	0.4	0.1
	1446	5.4	1.6		1509	6.2	1.9
	2115	1.1	0.3		2132	0.1	0.0
7	0331	5.9	1.8	22	0337	7.0	2.1
Th	0959	0.9	0.3	F	1009	0.0	0.0
	1548	5.5	1.7		1623	6.7	2.0
	2211	0.9	0.3		2234	-0.2	-0.1
8	0433	6.1	1.9	23	0446	7.2	2.2
F	1049	0.7	0.2	Sa	1105	-0.4	-0.1
	1646	5.9	1.8		1726	7.2	2.2
	2303	0.6	0.2		2331	-0.6	-0.2
9	0524	6.3	1.9	24	0545	7.4	2.3
Sa	1134	0.4	0.1	Su	1156	-0.7	-0.2
	1737	6.3	1.9		1819	7.8	2.4
	2350	0.3	0.1				
10	0608	6.6	2.0	25	0026	-0.9	-0.3
Su	1217	0.1	0.0	M	0636	7.5	2.3
	1819	6.7	2.0		1245	-0.9	-0.3
					1908	8.1	2.5
11	0035	0.0	0.0	26	0117	-1.0	-0.3
M	0645	6.8	2.1	Tu	0722	7.5	2.3
	1259	-0.1	0.0		1330	-0.9	-0.3
	1858	7.2	2.2		1950	8.3	2.5
12	0118	-0.2	-0.1	27	0205	-1.0	-0.3
Tu	0721	6.9	2.1	W	0803	7.4	2.3
	1338	-0.3	-0.1		1415	-0.9	-0.3
	1935	7.5	2.3		2031	8.3	2.5
13	0200	-0.4	-0.1	28	0250	-0.9	-0.3
W	0758	7.0	2.1	Th	0844	7.1	2.2
	1416	-0.4	-0.1		1456	-0.7	-0.2
	2012	7.8	2.4		2110	8.0	2.4
14	0241	-0.4	-0.1	29	0333	-0.6	-0.2
Th	0832	6.9	2.1	F	0922	6.8	2.1
	1453	-0.4	-0.1		1536	-0.4	-0.1
	2050	7.9	2.4		2149	7.7	2.3
15	0323	-0.4	-0.1	30	0415	-0.3	-0.1
F	0912	6.8	2.1	Sa	1002	6.4	2.0
	1535	-0.4	-0.1		1616	0.0	0.0
	2131	7.9	2.4		2229	7.3	2.2

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0457	0.1	0.0	16	0443	-0.2	-0.1
Su	1043	6.1	1.9	M	1035	6.4	2.0
	1656	0.4	0.1		1654	-0.2	-0.1
	2312	6.8	2.1		2301	7.8	2.4
2	0540	0.5	0.2	17	0538	0.0	0.0
M	1126	5.8	1.8	Tu	1136	6.2	1.9
	1741	0.8	0.2		1753	0.0	0.0
	2357	6.5	2.0				
3	0629	0.8	0.2	18	0002	7.5	2.3
Tu	1215	5.6	1.7	W	0639	0.1	0.0
	1831	1.1	0.3		1242	6.2	1.9
					1858	0.2	0.1
4	0046	6.2	1.9	19	0106	7.2	2.2
W	0724	1.0	0.3	Th	0743	0.2	0.1
	1308	5.5	1.7		1351	6.3	1.9
	1930	1.3	0.4		2009	0.3	0.1
5	0139	6.0	1.8	20	0213	7.0	2.1
Th	0820	1.0	0.3	F	0848	0.0	0.0
	1404	5.6	1.7		1502	6.6	2.0
	2033	1.3	0.4		2117	0.1	0.0
6	0236	6.0	1.8	21	0319	6.9	2.1
F	0916	0.9	0.3	Sa	0946	-0.2	-0.1
	1503	5.8	1.8		1609	7.0	2.1
	2132	1.1	0.3		2218	-0.1	0.0
7	0333	6.0	1.8	22	0424	6.9	2.1
Sa	1005	0.6	0.2	Su	1041	-0.4	-0.1
	1601	6.1	1.9		1708	7.4	2.3
	2225	0.8	0.2		2315	-0.4	-0.1
8	0430	6.2	1.9	23	0523	6.9	2.1
Su	1052	0.3	0.1	M	1129	-0.6	-0.2
	1654	6.6	2.0		1800	7.8	2.4
	2315	0.5	0.2				
9	0521	6.4	2.0	24	0006	-0.5	-0.2
M	1134	0.0	0.0	Tu	0611	6.9	2.1
	1742	7.1	2.2		1216	-0.7	-0.2
					1845	8.0	2.4
10	0001	0.1	0.0	25	0056	-0.6	-0.2
Tu	0605	6.6	2.0	W	0657	6.9	2.1
	1219	-0.2	-0.1		1301	-0.7	-0.2
	1824	7.5	2.3		1928	8.1	2.5
11	0048	-0.1	0.0	26	0143	-0.6	-0.2
W	0647	6.7	2.0	Th	0738	6.8	2.1
	1300	-0.4	-0.1		1345	-0.6	-0.2
	1905	7.9	2.4		2006	8.0	2.4
12	0133	-0.3	-0.1	27	0227	-0.5	-0.2
Th	0728	6.8	2.1	F	0818	6.6	2.0
	1343	-0.6	-0.2		1427	-0.4	-0.1
	1947	8.2	2.5		2043	7.8	2.4
13	0219	-0.5	-0.2	28	0310	-0.3	-0.1
F	0808	6.8	2.1	Sa	0854	6.4	2.0
	1428	-0.6	-0.2		1509	-0.1	0.0
	2030	8.3	2.5		2120	7.5	2.3
14	0305	-0.5	-0.2	29	0350	-0.1	0.0
Sa	0851	6.7	2.0	Su	0933	6.1	1.9
	1514	-0.6	-0.2		1547	0.2	0.1
	2115	8.3	2.5		2157	7.2	2.2
15	0352	-0.4	-0.1	30	0432	0.2	0.1
Su	0939	6.6	2.0	M	1011	5.9	1.8
	1601	-0.5	-0.2		1627	0.5	0.2
	2206	8.1	2.5		2237	6.8	2.1
				31	0512	0.4	0.1
				Tu	1055	5.8	1.8
					1709	0.7	0.2
					2320	6.6	2.0

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0556	0.6	0.2	16	0623	-0.3	-0.1
W	1141	5.7	1.7	Th	1236	6.6	2.0
	1754	1.0	0.3		1846	0.0	0.0
2	0005	6.3	1.9	17	0052	7.2	2.2
Th	0644	0.8	0.2	F	0723	-0.3	-0.1
	1230	5.7	1.7		1340	6.7	2.0
	1850	1.2	0.4		1952	0.1	0.0
3	0055	6.2	1.9	18	0153	6.9	2.1
F	0737	0.8	0.2	Sa	0822	-0.3	-0.1
	1324	5.8	1.8		1444	6.9	2.1
	1947	1.2	0.4		2058	0.1	0.0
4	0144	6.0	1.8	19	0255	6.6	2.0
Sa	0830	0.7	0.2	Su	0920	-0.3	-0.1
	1416	6.0	1.8		1545	7.1	2.2
	2049	1.1	0.3		2159	0.0	0.0
5	0239	6.0	1.8	20	0356	6.5	2.0
Su	0919	0.5	0.2	M	1012	-0.4	-0.1
	1512	6.3	1.9		1644	7.3	2.2
	2144	0.9	0.3		2254	-0.1	0.0
6	0333	6.0	1.8	21	0454	6.4	2.0
M	1008	0.2	0.1	Tu	1102	-0.4	-0.1
	1607	6.7	2.0		1738	7.6	2.3
	2236	0.5	0.2		2345	-0.1	0.0
7	0430	6.1	1.9	22	0545	6.3	1.9
Tu	1054	-0.1	0.0	W	1150	-0.4	-0.1
	1700	7.2	2.2		1824	7.7	2.3
	2327	0.2	0.1				
8	0523	6.3	1.9	23	0034	-0.2	-0.1
W	1140	-0.4	-0.1	Th	0632	6.3	1.9
	1750	7.7	2.3		1235	-0.4	-0.1
					1907	7.7	2.3
9	0017	-0.1	0.0	24	0120	-0.2	-0.1
Th	0612	6.5	2.0	F	0713	6.3	1.9
	1226	-0.6	-0.2		1317	-0.3	-0.1
	1838	8.1	2.5		1946	7.7	2.3
10	0108	-0.3	-0.1	25	0204	-0.1	0.0
F	0701	6.6	2.0	Sa	0753	6.2	1.9
	1315	-0.8	-0.2		1402	-0.1	0.0
	1926	8.4	2.6		2023	7.5	2.3
11	0159	-0.5	-0.2	26	0246	-0.1	0.0
Sa	0749	6.7	2.0	Su	0830	6.1	1.9
	1405	-0.9	-0.3		1442	0.0	0.0
	2013	8.5	2.6		2057	7.3	2.2
12	0250	-0.6	-0.2	27	0327	0.0	0.0
Su	0838	6.7	2.0	M	0906	6.0	1.8
	1457	-0.9	-0.3		1522	0.2	0.1
	2103	8.4	2.6		2133	7.1	2.2
13	0341	-0.6	-0.2	28	0406	0.2	0.1
M	0931	6.6	2.0	Tu	0944	5.9	1.8
	1550	-0.8	-0.2		1602	0.4	0.1
	2157	8.2	2.5		2208	6.9	2.1
14	0432	-0.6	-0.2	29	0445	0.3	0.1
Tu	1029	6.6	2.0	W	1024	5.9	1.8
	1645	-0.6	-0.2		1640	0.6	0.2
	2253	7.9	2.4		2248	6.7	2.0
15	0527	-0.5	-0.2	30	0524	0.4	0.1
W	1133	6.5	2.0	Th	1109	5.9	1.8
	1744	-0.3	-0.1		1723	0.8	0.2
	2353	7.6	2.3		2328	6.5	2.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0605	0.5	0.2	16	0033	7.2	2.2
F	1156	5.9	1.8	Sa	0656	-0.4	-0.1
	1810	1.0	0.3		1319	7.1	2.2
					1929	0.1	0.0
2	0010	6.3	1.9	17	0128	6.8	2.1
Sa	0651	0.5	0.2	Su	0752	-0.3	-0.1
	1242	6.1	1.9		1417	7.1	2.2
	1903	1.1	0.3		2032	0.3	0.1
3	0058	6.1	1.9	18	0224	6.4	2.0
Su	0739	0.5	0.2	M	0848	-0.1	0.0
	1334	6.3	1.9		1518	7.1	2.2
	2001	1.1	0.3		2132	0.4	0.1
4	0147	6.0	1.8	19	0324	6.1	1.9
M	0830	0.4	0.1	Tu	0945	0.0	0.0
	1426	6.6	2.0		1617	7.2	2.2
	2103	0.9	0.3		2228	0.4	0.1
5	0242	6.0	1.8	20	0425	6.0	1.8
Tu	0924	0.1	0.0	W	1034	0.0	0.0
	1524	6.9	2.1		1713	7.3	2.2
	2201	0.7	0.2		2321	0.3	0.1
6	0342	6.0	1.8	21	0518	6.0	1.8
W	1015	-0.1	0.0	Th	1123	0.0	0.0
	1622	7.3	2.2		1801	7.4	2.3
	2257	0.3	0.1				
7	0444	6.1	1.9	22	0009	0.3	0.1
Th	1107	-0.4	-0.1	F	0607	6.0	1.8
	1721	7.8	2.4		1209	0.0	0.0
	2350	0.0	0.0		1845	7.4	2.3
8	0543	6.3	1.9	23	0056	0.2	0.1
F	1201	-0.7	-0.2	Sa	0651	6.1	1.9
	1816	8.2	2.5		1253	0.0	0.0
					1925	7.5	2.3
9	0045	-0.3	-0.1	24	0141	0.2	0.1
Sa	0640	6.6	2.0	Su	0730	6.2	1.9
	1253	-0.9	-0.3		1339	0.1	0.0
	1909	8.5	2.6		2002	7.4	2.3
10	0141	-0.6	-0.2	25	0221	0.1	0.0
Su	0734	6.8	2.1	M	0807	6.2	1.9
	1348	-1.1	-0.3		1420	0.1	0.0
	2001	8.7	2.7		2034	7.3	2.2
11	0234	-0.8	-0.2	26	0302	0.1	0.0
M	0827	7.0	2.1	Tu	0842	6.3	1.9
	1444	-1.1	-0.3		1459	0.2	0.1
	2053	8.6	2.6		2107	7.2	2.2
12	0325	-0.9	-0.3	27	0339	0.2	0.1
Tu	0922	7.0	2.1	W	0918	6.3	1.9
	1538	-1.1	-0.3		1536	0.3	0.1
	2146	8.4	2.6		2141	7.1	2.2
13	0418	-0.9	-0.3	28	0414	0.2	0.1
W	1019	7.1	2.2	Th	0955	6.3	1.9
	1632	-0.9	-0.3		1614	0.5	0.2
	2240	8.1	2.5		2214	6.9	2.1
14	0509	-0.8	-0.2	29	0450	0.3	0.1
Th	1119	7.1	2.2	F	1035	6.4	2.0
	1728	-0.6	-0.2		1653	0.7	0.2
	2336	7.7	2.3		2251	6.7	2.0
15	0601	-0.7	-0.2	30	0527	0.4	0.1
F	1218	7.1	2.2	Sa	1117	6.5	2.0
	1827	-0.2	-0.1		1735	0.8	0.2
					2330	6.5	2.0
				31	0607	0.4	0.1
				Su	1204	6.6	2.0
					1823	1.0	0.3

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0017	6.3	1.9	16	0153	6.3	1.9
M	0652	0.5	0.2	Tu	0813	0.4	0.1
	1251	6.8	2.1		1444	7.1	2.2
	1921	1.1	0.3		2103	0.9	0.3
2	0107	6.2	1.9	17	0250	6.0	1.8
Tu	0745	0.4	0.1	W	0913	0.6	0.2
	1349	6.9	2.1		1545	7.0	2.1
	2024	1.1	0.3		2200	1.0	0.3
3	0203	6.0	1.8	18	0351	5.9	1.8
W	0845	0.3	0.1	Th	1007	0.6	0.2
	1447	7.2	2.2		1644	7.0	2.1
	2128	0.9	0.3		2254	0.9	0.3
4	0306	6.0	1.8	19	0451	5.9	1.8
Th	0945	0.1	0.0	F	1057	0.6	0.2
	1551	7.5	2.3		1737	7.2	2.2
	2231	0.6	0.2		2342	0.8	0.2
5	0415	6.1	1.9	20	0545	6.1	1.9
F	1041	-0.2	-0.1	Sa	1146	0.5	0.2
	1657	7.8	2.4		1823	7.3	2.2
	2329	0.3	0.1				
6	0523	6.4	2.0	21	0028	0.6	0.2
Sa	1140	-0.6	-0.2	Su	0627	6.3	1.9
	1800	8.3	2.5		1232	0.4	0.1
					1901	7.5	2.3
7	0027	-0.1	0.0	22	0112	0.5	0.2
Su	0624	6.8	2.1	M	0708	6.5	2.0
	1237	-0.9	-0.3		1314	0.3	0.1
	1856	8.6	2.6		1937	7.5	2.3
8	0123	-0.5	-0.2	23	0153	0.3	0.1
M	0722	7.3	2.2	Tu	0742	6.7	2.0
	1334	-1.1	-0.3		1356	0.3	0.1
	1947	8.8	2.7		2009	7.5	2.3
9	0216	-0.8	-0.2	24	0232	0.3	0.1
Tu	0815	7.6	2.3	W	0818	6.8	2.1
	1430	-1.2	-0.4		1435	0.3	0.1
	2038	8.8	2.7		2040	7.5	2.3
10	0307	-1.0	-0.3	25	0307	0.2	0.1
W	0908	7.7	2.3	Th	0850	6.9	2.1
	1523	-1.2	-0.4		1512	0.4	0.1
	2129	8.6	2.6		2110	7.3	2.2
11	0355	-1.0	-0.3	26	0341	0.3	0.1
Th	1003	7.8	2.4	F	0925	7.0	2.1
	1616	-0.9	-0.3		1548	0.5	0.2
	2219	8.3	2.5		2142	7.1	2.2
12	0443	-0.9	-0.3	27	0415	0.3	0.1
F	1058	7.7	2.3	Sa	1003	7.1	2.2
	1709	-0.6	-0.2		1624	0.7	0.2
	2312	7.8	2.4		2219	7.0	2.1
13	0532	-0.6	-0.2	28	0448	0.4	0.1
Sa	1154	7.6	2.3	Su	1043	7.2	2.2
	1804	-0.1	0.0		1706	0.9	0.3
					2256	6.7	2.0
14	0004	7.3	2.2	29	0528	0.5	0.2
Su	0622	-0.3	-0.1	M	1128	7.2	2.2
	1249	7.4	2.3		1752	1.1	0.3
	1900	0.4	0.1		2343	6.5	2.0
15	0057	6.7	2.0	30	0613	0.6	0.2
M	0718	0.1	0.0	Tu	1220	7.3	2.2
	1345	7.2	2.2		1847	1.3	0.4
	2002	0.7	0.2				
				31	0034	6.3	1.9
				W	0707	0.7	0.2
					1316	7.3	2.2
					1952	1.4	0.4

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0133	6.2	1.9	16	0316	5.9	1.8
Th	0814	0.7	0.2	F	0937	1.2	0.4
	1420	7.4	2.3		1609	6.9	2.1
	2103	1.2	0.4		2223	1.3	0.4
2	0243	6.2	1.9	17	0420	6.0	1.8
F	0921	0.4	0.1	Sa	1030	1.1	0.3
	1530	7.6	2.3		1707	7.0	2.1
	2212	0.9	0.3		2312	1.1	0.3
3	0359	6.4	2.0	18	0515	6.3	1.9
Sa	1025	0.1	0.0	Su	1121	0.9	0.3
	1641	7.9	2.4		1753	7.3	2.2
	2312	0.5	0.2		2358	0.9	0.3
4	0511	6.8	2.1	19	0600	6.6	2.0
Su	1126	-0.3	-0.1	M	1203	0.7	0.2
	1745	8.4	2.6		1832	7.5	2.3
5	0008	0.0	0.0	20	0040	0.6	0.2
M	0614	7.4	2.3	Tu	0640	6.9	2.1
	1224	-0.7	-0.2		1248	0.6	0.2
	1840	8.8	2.7		1907	7.6	2.3
6	0103	-0.5	-0.2	21	0120	0.5	0.2
Tu	0709	7.9	2.4	W	0717	7.2	2.2
	1320	-1.0	-0.3		1330	0.4	0.1
	1933	9.0	2.7		1939	7.7	2.3
7	0155	-0.8	-0.2	22	0157	0.3	0.1
W	0801	8.3	2.5	Th	0750	7.5	2.3
	1415	-1.1	-0.3		1409	0.4	0.1
	2020	8.9	2.7		2011	7.6	2.3
8	0243	-1.0	-0.3	23	0233	0.3	0.1
Th	0850	8.5	2.6	F	0822	7.6	2.3
	1507	-1.0	-0.3		1446	0.4	0.1
	2108	8.7	2.7		2040	7.5	2.3
9	0329	-0.9	-0.3	24	0308	0.3	0.1
F	0939	8.5	2.6	Sa	0855	7.8	2.4
	1557	-0.8	-0.2		1522	0.5	0.2
	2155	8.3	2.5		2112	7.3	2.2
10	0416	-0.7	-0.2	25	0341	0.4	0.1
Sa	1029	8.3	2.5	Su	0933	7.8	2.4
	1646	-0.3	-0.1		1603	0.7	0.2
	2243	7.8	2.4		2147	7.1	2.2
11	0501	-0.3	-0.1	26	0417	0.4	0.1
Su	1122	8.0	2.4	M	1013	7.8	2.4
	1736	0.2	0.1		1642	0.9	0.3
	2333	7.2	2.2		2227	6.9	2.1
12	0548	0.2	0.1	27	0456	0.6	0.2
M	1215	7.6	2.3	Tu	1059	7.7	2.3
	1829	0.7	0.2		1728	1.1	0.3
					2317	6.6	2.0
13	0023	6.7	2.0	28	0544	0.7	0.2
Tu	0639	0.6	0.2	W	1154	7.6	2.3
	1307	7.3	2.2		1825	1.4	0.4
	1928	1.2	0.4				
14	0116	6.3	1.9	29	0013	6.4	2.0
W	0738	1.0	0.3	Th	0642	0.9	0.3
	1407	7.0	2.1		1255	7.6	2.3
	2029	1.4	0.4		1933	1.5	0.5
15	0214	6.0	1.8	30	0117	6.3	1.9
Th	0838	1.2	0.4	F	0755	0.9	0.3
	1507	6.9	2.1		1402	7.5	2.3
	2128	1.5	0.5		2047	1.4	0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0231	6.4	2.0	16	0337	6.1	1.9
Sa	0906	0.7	0.2	Su	0958	1.4	0.4
	1513	7.7	2.3		1622	6.8	2.1
	2154	1.0	0.3		2236	1.2	0.4
2	0351	6.7	2.0	17	0436	6.4	2.0
Su	1013	0.3	0.1	M	1047	1.2	0.4
	1625	7.9	2.4		1711	7.0	2.1
	2254	0.5	0.2		2321	0.9	0.3
3	0502	7.2	2.2	18	0523	6.8	2.1
M	1115	-0.1	0.0	Tu	1134	0.9	0.3
	1729	8.3	2.5		1753	7.2	2.2
	2349	0.0	0.0				
4	0603	7.9	2.4	19	0003	0.6	0.2
Tu	1211	-0.5	-0.2	W	0608	7.2	2.2
	1824	8.6	2.6		1219	0.6	0.2
					1832	7.4	2.3
5	0041	-0.5	-0.2	20	0043	0.4	0.1
W	0656	8.5	2.6	Th	0645	7.6	2.3
	1305	-0.8	-0.2		1259	0.5	0.2
	1913	8.8	2.7		1907	7.5	2.3
6	0130	-0.7	-0.2	21	0120	0.2	0.1
Th	0744	8.8	2.7	F	0720	7.9	2.4
	1358	-0.9	-0.3		1341	0.4	0.1
	2000	8.7	2.7		1939	7.5	2.3
7	0217	-0.8	-0.2	22	0157	0.2	0.1
F	0830	9.0	2.7	Sa	0754	8.1	2.5
	1446	-0.8	-0.2		1421	0.3	0.1
	2044	8.4	2.6		2011	7.4	2.3
8	0302	-0.7	-0.2	23	0234	0.1	0.0
Sa	0915	8.8	2.7	Su	0829	8.2	2.5
	1534	-0.5	-0.2		1500	0.4	0.1
	2127	8.0	2.4		2047	7.2	2.2
9	0346	-0.4	-0.1	24	0312	0.2	0.1
Su	1000	8.5	2.6	M	0909	8.3	2.5
	1621	-0.1	0.0		1542	0.5	0.2
	2213	7.5	2.3		2125	7.0	2.1
10	0430	0.0	0.0	25	0352	0.3	0.1
M	1048	8.1	2.5	Tu	0952	8.2	2.5
	1709	0.4	0.1		1626	0.7	0.2
	2259	7.0	2.1		2208	6.8	2.1
11	0514	0.5	0.2	26	0436	0.4	0.1
Tu	1136	7.6	2.3	W	1043	8.0	2.4
	1757	0.9	0.3		1715	0.9	0.3
	2346	6.5	2.0		2301	6.5	2.0
12	0602	1.0	0.3	27	0528	0.6	0.2
W	1228	7.2	2.2	Th	1138	7.8	2.4
	1851	1.4	0.4		1812	1.2	0.4
13	0039	6.2	1.9	28	0002	6.4	2.0
Th	0658	1.4	0.4	F	0629	0.8	0.2
	1323	6.9	2.1		1242	7.6	2.3
	1951	1.6	0.5		1921	1.2	0.4
14	0135	6.0	1.8	29	0111	6.3	1.9
F	0758	1.6	0.5	Sa	0740	0.9	0.3
	1422	6.7	2.0		1349	7.5	2.3
	2051	1.6	0.5		2031	1.1	0.3
15	0236	5.9	1.8	30	0228	6.5	2.0
Sa	0900	1.6	0.5	Su	0855	0.7	0.2
	1524	6.7	2.0		1459	7.5	2.3
	2147	1.5	0.5		2137	0.7	0.2
				31	0344	6.9	2.1
				M	1001	0.3	0.1
					1609	7.7	2.3
					2235	0.2	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0449	7.5	2.3	16	0441	6.7	2.0
Tu	1100	-0.1	0.0	W	1057	0.9	0.3
	1710	7.9	2.4		1707	6.7	2.0
	2327	-0.2	-0.1		2321	0.4	0.1
2	0548	8.1	2.5	17	0527	7.1	2.2
W	1156	-0.4	-0.1	Th	1145	0.6	0.2
	1806	8.1	2.5		1750	6.8	2.1
3	0016	-0.6	-0.2	18	0003	0.1	0.0
Th	0640	8.6	2.6	F	0609	7.6	2.3
	1248	-0.6	-0.2		1228	0.3	0.1
	1853	8.1	2.5		1829	7.0	2.1
4	0104	-0.7	-0.2	19	0043	-0.1	0.0
F	0725	8.8	2.7	Sa	0648	7.9	2.4
	1339	-0.7	-0.2		1313	0.2	0.1
	1939	8.0	2.4		1909	7.0	2.1
5	0151	-0.7	-0.2	20	0124	-0.2	-0.1
Sa	0809	8.9	2.7	Su	0728	8.2	2.5
	1427	-0.6	-0.2		1357	0.1	0.0
	2021	7.8	2.4		1946	7.0	2.1
6	0235	-0.6	-0.2	21	0206	-0.3	-0.1
Su	0851	8.7	2.7	M	0808	8.3	2.5
	1512	-0.3	-0.1		1441	0.0	0.0
	2102	7.4	2.3		2027	6.9	2.1
7	0318	-0.3	-0.1	22	0250	-0.3	-0.1
M	0933	8.3	2.5	Tu	0851	8.3	2.5
	1558	0.0	0.0		1527	0.1	0.0
	2144	7.0	2.1		2110	6.8	2.1
8	0400	0.1	0.0	23	0336	-0.2	-0.1
Tu	1016	7.9	2.4	W	0939	8.2	2.5
	1641	0.4	0.1		1614	0.2	0.1
	2225	6.6	2.0		2158	6.6	2.0
9	0443	0.5	0.2	24	0424	-0.1	0.0
W	1101	7.4	2.3	Th	1032	8.0	2.4
	1728	0.8	0.2		1704	0.4	0.1
	2311	6.3	1.9		2256	6.4	2.0
10	0528	0.9	0.3	25	0519	0.1	0.0
Th	1149	7.0	2.1	F	1128	7.7	2.3
	1815	1.2	0.4		1802	0.5	0.2
11	0002	6.0	1.8	26	0001	6.3	1.9
F	0618	1.3	0.4	Sa	0621	0.4	0.1
	1239	6.7	2.0		1229	7.4	2.3
	1911	1.4	0.4		1906	0.6	0.2
12	0055	5.9	1.8	27	0108	6.4	2.0
Sa	0716	1.5	0.5	Su	0729	0.5	0.2
	1333	6.5	2.0		1336	7.2	2.2
	2008	1.4	0.4		2012	0.4	0.1
13	0151	5.9	1.8	28	0220	6.6	2.0
Su	0818	1.6	0.5	M	0840	0.4	0.1
	1427	6.4	2.0		1442	7.1	2.2
	2103	1.3	0.4		2114	0.2	0.1
14	0250	6.0	1.8	29	0330	6.9	2.1
M	0917	1.4	0.4	Tu	0946	0.1	0.0
	1525	6.4	2.0		1548	7.1	2.2
	2153	1.0	0.3		2212	-0.2	-0.1
15	0346	6.3	1.9	30	0434	7.4	2.3
Tu	1009	1.2	0.4	W	1044	-0.1	0.0
	1618	6.5	2.0		1649	7.2	2.2
	2238	0.7	0.2		2303	-0.5	-0.2

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0531	7.8	2.4	16	0441	6.9	2.1
Th	1139	-0.4	-0.1	F	1107	0.4	0.1
	1745	7.2	2.2		1703	6.2	1.9
	2352	-0.7	-0.2		2323	-0.2	-0.1
2	0622	8.2	2.5	17	0532	7.3	2.2
F	1230	-0.5	-0.2	Sa	1158	0.2	0.1
	1833	7.2	2.2		1753	6.3	1.9
3	0040	-0.8	-0.2	18	0009	-0.4	-0.1
Sa	0707	8.3	2.5	Su	0621	7.7	2.3
	1319	-0.6	-0.2		1248	-0.1	0.0
	1917	7.2	2.2		1840	6.5	2.0
4	0126	-0.7	-0.2	19	0056	-0.7	-0.2
Su	0750	8.3	2.5	M	0707	8.0	2.4
	1407	-0.5	-0.2		1335	-0.3	-0.1
	1959	7.0	2.1		1925	6.6	2.0
5	0210	-0.6	-0.2	20	0144	-0.8	-0.2
M	0831	8.1	2.5	Tu	0753	8.2	2.5
	1451	-0.3	-0.1		1424	-0.4	-0.1
	2037	6.8	2.1		2011	6.7	2.0
6	0253	-0.4	-0.1	21	0232	-0.9	-0.3
Tu	0910	7.8	2.4	W	0839	8.2	2.5
	1533	-0.1	0.0		1513	-0.5	-0.2
	2118	6.5	2.0		2100	6.7	2.0
7	0335	-0.1	0.0	22	0323	-0.9	-0.3
W	0950	7.4	2.3	Th	0929	8.1	2.5
	1616	0.2	0.1		1603	-0.5	-0.2
	2158	6.2	1.9		2152	6.6	2.0
8	0415	0.2	0.1	23	0414	-0.8	-0.2
Th	1029	7.1	2.2	F	1021	7.9	2.4
	1659	0.5	0.2		1655	-0.4	-0.1
	2240	6.0	1.8		2251	6.5	2.0
9	0456	0.5	0.2	24	0509	-0.6	-0.2
F	1112	6.7	2.0	Sa	1119	7.6	2.3
	1741	0.7	0.2		1748	-0.3	-0.1
	2327	5.8	1.8		2354	6.5	2.0
10	0541	0.8	0.2	25	0609	-0.3	-0.1
Sa	1156	6.5	2.0	Su	1218	7.3	2.2
	1828	0.9	0.3		1846	-0.2	-0.1
11	0015	5.7	1.7	26	0058	6.5	2.0
Su	0631	1.1	0.3	M	0714	-0.1	0.0
	1244	6.2	1.9		1318	6.9	2.1
	1919	0.9	0.3		1948	-0.2	-0.1
12	0106	5.8	1.8	27	0201	6.6	2.0
M	0729	1.2	0.4	Tu	0821	0.0	0.0
	1331	6.1	1.9		1419	6.6	2.0
	2012	0.9	0.3		2048	-0.3	-0.1
13	0158	5.9	1.8	28	0307	6.8	2.1
Tu	0829	1.2	0.4	W	0925	-0.1	0.0
	1423	6.0	1.8		1522	6.4	2.0
	2103	0.7	0.2		2145	-0.4	-0.1
14	0252	6.1	1.9	29	0412	7.1	2.2
W	0925	1.0	0.3	Th	1025	-0.2	-0.1
	1516	6.0	1.8		1625	6.3	1.9
	2153	0.4	0.1		2238	-0.5	-0.2
15	0348	6.4	2.0	30	0511	7.3	2.2
Th	1018	0.7	0.2	F	1120	-0.3	-0.1
	1612	6.0	1.8		1721	6.3	1.9
	2239	0.1	0.0		2329	-0.6	-0.2
				31	0603	7.5	2.3
				Sa	1211	-0.4	-0.1
					1812	6.3	1.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

SAVANNAH, GA., 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Sa	0411	-1.5	-0.5
	1013	8.9	2.7
	1650	-0.9	-0.3
	2240	7.4	2.3
2 Su	0503	-1.3	-0.4
	1103	8.6	2.6
	1740	-0.8	-0.2
	2333	7.3	2.2
3 M	0554	-1.0	-0.3
	1154	8.2	2.5
	1829	-0.6	-0.2
4 Tu	0031	7.2	2.2
	0648	-0.7	-0.2
	1247	7.8	2.4
	1919	-0.4	-0.1
5 W	0127	7.1	2.2
	0743	-0.3	-0.1
	1340	7.4	2.3
	2012	-0.2	-0.1
6 Th	0222	7.1	2.2
	0840	0.0	0.0
	1431	7.0	2.1
	2106	-0.1	0.0
7 F	0317	7.1	2.2
	0938	0.1	0.0
	1524	6.7	2.0
	2159	-0.1	0.0
8 Sa	0413	7.1	2.2
	1034	0.2	0.1
	1618	6.5	2.0
	2251	-0.2	-0.1
9 Su	0509	7.2	2.2
	1127	0.1	0.0
	1713	6.4	2.0
	2341	-0.3	-0.1
10 M	0604	7.4	2.3
	1217	0.0	0.0
	1808	6.5	2.0
11 Tu	0029	-0.4	-0.1
	0654	7.5	2.3
	1306	-0.1	0.0
	1856	6.5	2.0
12 W	0116	-0.4	-0.1
	0738	7.6	2.3
	1351	-0.1	0.0
	1941	6.6	2.0
13 Th	0200	-0.4	-0.1
	0818	7.7	2.3
	1437	-0.1	0.0
	2018	6.7	2.0
14 F	0245	-0.4	-0.1
	0854	7.7	2.3
	1521	-0.1	0.0
	2052	6.7	2.0
15 Sa	0326	-0.3	-0.1
	0926	7.6	2.3
	1603	-0.1	0.0
	2126	6.7	2.0
16 Su	0405	-0.2	-0.1
	0956	7.5	2.3
	1640	0.0	0.0
	2158	6.8	2.1
17 M	0442	0.0	0.0
	1027	7.4	2.3
	1717	0.1	0.0
	2235	6.8	2.1
18 Tu	0517	0.1	0.0
	1100	7.3	2.2
	1754	0.1	0.0
	2314	6.9	2.1
19 W	0556	0.2	0.1
	1139	7.2	2.2
	1833	0.2	0.1
20 Th	0001	7.1	2.2
	0638	0.3	0.1
	1223	7.1	2.2
	1916	0.2	0.1
21 F	0052	7.2	2.2
	0733	0.5	0.2
	1315	6.9	2.1
	2010	0.2	0.1
22 Sa	0149	7.3	2.2
	0839	0.6	0.2
	1411	6.7	2.0
	2110	0.0	0.0
23 Su	0251	7.5	2.3
	0950	0.5	0.2
	1516	6.6	2.0
	2214	-0.2	-0.1
24 M	0357	7.6	2.3
	1057	0.2	0.1
	1627	6.5	2.0
	2315	-0.5	-0.2
25 Tu	0510	7.9	2.4
	1158	-0.1	0.0
	1742	6.7	2.0
26 W	0014	-0.9	-0.3
	0621	8.3	2.5
	1257	-0.5	-0.2
	1851	7.0	2.1
27 Th	0112	-1.3	-0.4
	0722	8.7	2.7
	1354	-0.8	-0.2
	1951	7.3	2.2
28 F	0208	-1.6	-0.5
	0817	8.9	2.7
	1448	-1.1	-0.3
	2044	7.6	2.3
29 Sa	0302	-1.8	-0.5
	0908	9.0	2.7
	1540	-1.2	-0.4
	2136	7.8	2.4
30 Su	0355	-1.8	-0.5
	0958	8.9	2.7
	1629	-1.3	-0.4
	2224	7.8	2.4
31 M	0445	-1.6	-0.5
	1045	8.5	2.6
	1716	-1.1	-0.3
	2314	7.7	2.3

FEBRUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0535	-1.3	-0.4
	1133	8.1	2.5
	1801	-0.9	-0.3
2 W	0006	7.6	2.3
	0625	-0.9	-0.3
	1220	7.6	2.3
	1847	-0.6	-0.2
3 Th	0055	7.4	2.3
	0715	-0.4	-0.1
	1308	7.1	2.2
	1935	-0.3	-0.1
4 F	0147	7.2	2.2
	0809	0.0	0.0
	1356	6.7	2.0
	2028	0.0	0.0
5 Sa	0239	7.0	2.1
	0905	0.3	0.1
	1443	6.4	2.0
	2122	0.2	0.1
6 Su	0332	6.9	2.1
	1001	0.4	0.1
	1537	6.2	1.9
	2216	0.2	0.1
7 M	0430	6.9	2.1
	1055	0.4	0.1
	1633	6.1	1.9
	2310	0.1	0.0
8 Tu	0529	7.0	2.1
	1148	0.3	0.1
	1732	6.2	1.9
9 W	0000	0.0	0.0
	0621	7.1	2.2
	1237	0.2	0.1
	1827	6.4	2.0
10 Th	0049	-0.2	-0.1
	0712	7.3	2.2
	1323	0.0	0.0
	1914	6.6	2.0
11 F	0135	-0.3	-0.1
	0752	7.5	2.3
	1410	-0.1	0.0
	1955	6.8	2.1
12 Sa	0221	-0.3	-0.1
	0831	7.5	2.3
	1453	-0.1	0.0
	2031	6.9	2.1
13 Su	0303	-0.3	-0.1
	0903	7.5	2.3
	1534	-0.2	-0.1
	2104	7.0	2.1
14 M	0341	-0.2	-0.1
	0931	7.5	2.3
	1611	-0.1	0.0
	2136	7.2	2.2
15 Tu	0419	-0.1	0.0
	1000	7.4	2.3
	1648	-0.1	0.0
	2210	7.3	2.2
16 W	0455	0.0	0.0
	1033	7.3	2.2
	1722	0.0	0.0
	2248	7.5	2.3
17 Th	0533	0.1	0.0
	1109	7.2	2.2
	1759	0.0	0.0
	2333	7.6	2.3
18 F	0615	0.2	0.1
	1154	7.1	2.2
	1841	0.1	0.0
19 Sa	0023	7.6	2.3
	0708	0.4	0.1
	1244	6.9	2.1
	1932	0.1	0.0
20 Su	0121	7.7	2.3
	0812	0.6	0.2
	1345	6.6	2.0
	2038	0.1	0.0
21 M	0224	7.7	2.3
	0924	0.6	0.2
	1452	6.5	2.0
	2148	0.0	0.0
22 Tu	0336	7.7	2.3
	1036	0.3	0.1
	1608	6.5	2.0
	2254	-0.4	-0.1
23 W	0451	7.9	2.4
	1139	0.0	0.0
	1727	6.8	2.1
	2355	-0.8	-0.2
24 Th	0603	8.2	2.5
	1237	-0.5	-0.2
	1837	7.2	2.2
25 F	0055	-1.3	-0.4
	0706	8.6	2.6
	1333	-0.9	-0.3
	1936	7.7	2.3
26 Sa	0151	-1.6	-0.5
	0802	8.9	2.7
	1425	-1.2	-0.4
	2029	8.1	2.5
27 Su	0245	-1.8	-0.5
	0852	8.9	2.7
	1515	-1.3	-0.4
	2118	8.4	2.6
28 M	0336	-1.8	-0.5
	0936	8.7	2.7
	1603	-1.3	-0.4
	2204	8.4	2.6

MARCH

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0426	-1.6	-0.5
	1022	8.4	2.6
	1648	-1.1	-0.3
	2250	8.3	2.5
2 W	0513	-1.2	-0.4
	1104	7.9	2.4
	1732	-0.8	-0.2
	2335	8.0	2.4
3 Th	0559	-0.8	-0.2
	1149	7.4	2.3
	1813	-0.4	-0.1
4 F	0020	7.7	2.3
	0646	-0.3	-0.1
	1231	6.9	2.1
	1859	0.0	0.0
5 Sa	0108	7.4	2.3
	0737	0.2	0.1
	1313	6.6	2.0
	1949	0.3	0.1
6 Su	0155	7.1	2.2
	0830	0.6	0.2
	1403	6.3	1.9
	2041	0.6	0.2
7 M	0249	6.9	2.1
	0925	0.8	0.2
	1454	6.2	1.9
	2140	0.7	0.2
8 Tu	0345	6.8	2.1
	1021	0.8	0.2
	1553	6.1	1.9
	2236	0.6	0.2
9 W	0445	6.8	2.1
	1113	0.6	0.2
	1654	6.3	1.9
	2331	0.4	0.1
10 Th	0544	7.0	2.1
	1205	0.4	0.1
	1752	6.5	2.0
11 F	0021	0.2	0.1
	0637	7.2	2.2
	1253	0.2	0.1
	1843	6.8	2.1
12 Sa	0109	0.0	0.0
	0720	7.4	2.3
	1338	0.0	0.0
	1928	7.1	2.2
13 Su	0154	-0.1	0.0
	0759	7.5	2.3
	1421	-0.1	0.0
	2006	7.3	2.2
14 M	0237	-0.1	0.0
	0834	7.5	2.3
	1502	-0.1	0.0
	2039	7.6	2.3
15 Tu	0318	-0.1	0.0
	0906	7.5	2.3
	1540	-0.1	0.0
	2115	7.8	2.4
16 W	0358	-0.1	0.0
	0935	7.4	2.3
	1617	-0.1	0.0
	2149	7.9	2.4
17 Th	0435	0.0	0.0
	1008	7.3	2.2
	1653	0.0	0.0
	2227	8.1	2.5
18 F	0516	0.1	0.0
	1047	7.2	2.2
	1733	0.0	0.0
	2312	8.1	2.5
19 Sa	0602	0.3	0.1
	1133	7.0	2.1
	1815	0.2	0.1
20 Su	0002	8.1	2.5
	0652	0.5	0.2
	1225	6.8	2.1
	1911	0.3	0.1
21 M	0100	7.9	2.4
	0757	0.6	0.2
	1329	6.6	2.0
	2017	0.3	0.1
22 Tu	0206	7.8	2.4
	0907	0.6	0.2
	1441	6.6	2.0
	2130	0.2	0.1
23 W	0318	7.8	2.4
	1016	0.4	0.1
	1558	6.7	2.0
	2238	-0.1	0.0
24 Th	0433	7.9	2.4
	1118	0.0	0.0
	1715	7.1	2.2
	2339	-0.6	-0.2
25 F	0544	8.2	2.5
	1216	-0.4	-0.1
	1822	7.6	2.3
26 Sa	0037	-1.0	-0.3
	0646	8.5	2.6
	1309	-0.8	-0.2
	1920	8.2	2.5
27 Su	0133	-1.3	-0.4
	0741	8.7	2.7
	1359	-1.1	-0.3
	2011	8.6	2.6
28 M	0225	-1.5	-0.5
	0829	8.7	2.7
	1448	-1.2	-0.4
	2057	8.8	2.7
29 Tu	0316	-1.5	-0.5
	0914	8.4	2.6
	1534	-1.1	-0.3
	2141	8.8	2.7
30 W	0403	-1.3	-0.4
	0954	8.1	2.5
	1618	-0.9	-0.3
	2223	8.7	2.7
31 Th	0448	-0.9	-0.3
	1034	7.7	2.3
	1701	-0.5	-0.2
	2304	8.3	2.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0533	-0.5	-0.2	16	0504	0.1	0.0
F	1114	7.2	2.2	Sa	1031	7.1	2.2
	1742	-0.1	0.0		1714	0.0	0.0
	2343	8.0	2.4		2256	8.5	2.6
2	0618	0.0	0.0	17	0551	0.3	0.1
Sa	1152	6.9	2.1	Su	1120	6.9	2.1
	1825	0.3	0.1		1802	0.2	0.1
					2349	8.3	2.5
3	0028	7.6	2.3	18	0645	0.4	0.1
Su	0704	0.4	0.1	M	1217	6.7	2.0
	1236	6.6	2.0		1858	0.3	0.1
	1911	0.6	0.2				
4	0113	7.3	2.2	19	0050	8.1	2.5
M	0753	0.7	0.2	Tu	0745	0.5	0.2
	1324	6.4	2.0		1324	6.6	2.0
	2004	0.9	0.3		2004	0.4	0.1
5	0203	7.0	2.1	20	0156	7.9	2.4
Tu	0849	0.9	0.3	W	0852	0.5	0.2
	1416	6.3	1.9		1438	6.7	2.0
	2101	1.0	0.3		2114	0.3	0.1
6	0257	6.9	2.1	21	0306	7.8	2.4
W	0944	0.9	0.3	Th	0956	0.3	0.1
	1511	6.3	1.9		1551	7.0	2.1
	2201	1.0	0.3		2220	0.0	0.0
7	0356	6.9	2.1	22	0414	7.9	2.4
Th	1039	0.8	0.2	F	1057	-0.1	0.0
	1612	6.5	2.0		1659	7.4	2.3
	2256	0.8	0.2		2321	-0.4	-0.1
8	0454	6.9	2.1	23	0523	8.0	2.4
F	1129	0.5	0.2	Sa	1150	-0.5	-0.2
	1711	6.7	2.0		1803	8.0	2.4
	2347	0.5	0.2				
9	0550	7.1	2.2	24	0017	-0.7	-0.2
Sa	1218	0.3	0.1	Su	0622	8.1	2.5
	1806	7.1	2.2		1243	-0.8	-0.2
					1859	8.5	2.6
10	0037	0.3	0.1	25	0112	-1.0	-0.3
Su	0639	7.3	2.2	M	0715	8.2	2.5
	1303	0.1	0.0		1331	-1.0	-0.3
	1854	7.5	2.3		1950	8.8	2.7
11	0124	0.1	0.0	26	0203	-1.1	-0.3
M	0724	7.4	2.3	Tu	0803	8.1	2.5
	1346	-0.1	0.0		1418	-1.0	-0.3
	1936	7.8	2.4		2034	9.0	2.7
12	0209	0.0	0.0	27	0252	-1.1	-0.3
Tu	0802	7.4	2.3	W	0846	7.9	2.4
	1428	-0.1	0.0		1504	-0.8	-0.2
	2013	8.1	2.5		2115	8.9	2.7
13	0255	0.0	0.0	28	0340	-0.9	-0.3
W	0837	7.4	2.3	Th	0927	7.6	2.3
	1509	-0.2	-0.1		1549	-0.6	-0.2
	2051	8.3	2.5		2155	8.7	2.7
14	0337	0.0	0.0	29	0423	-0.6	-0.2
Th	0913	7.3	2.2	F	1004	7.3	2.2
	1550	-0.1	0.0		1631	-0.3	-0.1
	2129	8.5	2.6		2232	8.4	2.6
15	0420	0.0	0.0	30	0508	-0.3	-0.1
F	0950	7.2	2.2	Sa	1040	7.0	2.1
	1629	-0.1	0.0		1712	0.1	0.0
	2211	8.5	2.6		2311	8.0	2.4

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0550	0.1	0.0	16	0544	0.0	0.0
Su	1120	6.7	2.0	M	1117	6.8	2.1
	1751	0.4	0.1		1754	-0.1	0.0
	2349	7.7	2.3		2343	8.4	2.6
2	0634	0.4	0.1	17	0636	0.1	0.0
M	1201	6.6	2.0	Tu	1218	6.7	2.0
	1836	0.7	0.2		1850	0.1	0.0
3	0033	7.4	2.3	18	0044	8.1	2.5
Tu	0721	0.7	0.2	W	0735	0.2	0.1
	1247	6.5	2.0		1325	6.7	2.0
	1926	1.0	0.3		1952	0.2	0.1
4	0119	7.2	2.2	19	0148	7.9	2.4
W	0812	0.8	0.2	Th	0835	0.1	0.0
	1337	6.4	2.0		1433	6.9	2.1
	2020	1.1	0.3		2057	0.2	0.1
5	0211	7.0	2.1	20	0249	7.7	2.3
Th	0905	0.8	0.2	F	0934	-0.1	0.0
	1433	6.5	2.0		1538	7.2	2.2
	2120	1.1	0.3		2202	0.0	0.0
6	0304	6.9	2.1	21	0353	7.6	2.3
F	0958	0.7	0.2	Sa	1030	-0.3	-0.1
	1530	6.7	2.0		1641	7.6	2.3
	2217	1.0	0.3		2300	-0.2	-0.1
7	0402	6.9	2.1	22	0455	7.5	2.3
Sa	1049	0.4	0.1	Su	1124	-0.6	-0.2
	1628	7.0	2.1		1741	8.0	2.4
	2313	0.7	0.2		2356	-0.5	-0.2
8	0457	7.0	2.1	23	0553	7.5	2.3
Su	1139	0.2	0.1	M	1214	-0.8	-0.2
	1723	7.3	2.2		1837	8.4	2.6
9	0003	0.5	0.2	24	0048	-0.6	-0.2
M	0553	7.0	2.1	Tu	0648	7.5	2.3
	1225	0.0	0.0		1302	-0.8	-0.2
	1816	7.7	2.3		1925	8.7	2.7
10	0053	0.2	0.1	25	0140	-0.7	-0.2
Tu	0643	7.1	2.2	W	0735	7.4	2.3
	1311	-0.2	-0.1		1349	-0.8	-0.2
	1904	8.1	2.5		2010	8.8	2.7
11	0141	0.0	0.0	26	0229	-0.7	-0.2
W	0729	7.2	2.2	Th	0819	7.3	2.2
	1354	-0.3	-0.1		1435	-0.6	-0.2
	1949	8.5	2.6		2049	8.7	2.7
12	0230	-0.1	0.0	27	0315	-0.6	-0.2
Th	0811	7.2	2.2	F	0858	7.1	2.2
	1439	-0.3	-0.1		1520	-0.4	-0.1
	2031	8.7	2.7		2129	8.5	2.6
13	0317	-0.1	0.0	28	0358	-0.4	-0.1
F	0853	7.1	2.2	Sa	0935	6.9	2.1
	1525	-0.3	-0.1		1602	-0.2	-0.1
	2115	8.8	2.7		2205	8.2	2.5
14	0407	-0.1	0.0	29	0442	-0.2	-0.1
Sa	0936	7.0	2.1	Su	1011	6.7	2.0
	1613	-0.3	-0.1		1643	0.1	0.0
	2200	8.8	2.7		2240	7.9	2.4
15	0453	-0.1	0.0	30	0524	0.1	0.0
Su	1024	6.9	2.1	M	1048	6.6	2.0
	1701	-0.2	-0.1		1724	0.4	0.1
	2248	8.6	2.6		2317	7.6	2.3
				31	0605	0.3	0.1
				Tu	1128	6.5	2.0
					1805	0.6	0.2
					2354	7.4	2.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0647	0.4	0.1	16	0034	8.1	2.5
W	1213	6.5	2.0	Th	0716	-0.3	-0.1
	1847	0.9	0.3		1318	7.0	2.1
					1937	-0.1	0.0
2	0038	7.2	2.2	17	0132	7.8	2.4
Th	0734	0.5	0.2	F	0812	-0.3	-0.1
	1259	6.5	2.0		1418	7.2	2.2
	1939	1.0	0.3		2038	0.1	0.0
3	0126	7.1	2.2	18	0230	7.5	2.3
F	0822	0.5	0.2	Sa	0907	-0.3	-0.1
	1353	6.7	2.0		1519	7.4	2.3
	2036	1.1	0.3		2140	0.1	0.0
4	0214	7.0	2.1	19	0326	7.2	2.2
Sa	0915	0.4	0.1	Su	1002	-0.4	-0.1
	1447	6.9	2.1		1617	7.7	2.3
	2136	1.0	0.3		2237	0.0	0.0
5	0306	6.9	2.1	20	0423	7.0	2.1
Su	1006	0.3	0.1	M	1055	-0.5	-0.2
	1541	7.2	2.2		1715	7.9	2.4
	2233	0.8	0.2		2332	-0.1	0.0
6	0404	6.8	2.1	21	0521	6.9	2.1
M	1057	0.0	0.0	Tu	1145	-0.6	-0.2
	1641	7.5	2.3		1810	8.1	2.5
	2329	0.5	0.2				
7	0502	6.8	2.1	22	0024	-0.3	-0.1
Tu	1147	-0.2	-0.1	W	0617	6.8	2.1
	1736	7.9	2.4		1233	-0.6	-0.2
					1901	8.3	2.5
8	0023	0.3	0.1	23	0114	-0.3	-0.1
W	0600	6.8	2.1	Th	0706	6.8	2.1
	1235	-0.4	-0.1		1322	-0.6	-0.2
	1833	8.3	2.5		1946	8.4	2.6
9	0114	0.0	0.0	24	0202	-0.3	-0.1
Th	0658	6.8	2.1	F	0751	6.8	2.1
	1325	-0.5	-0.2		1407	-0.5	-0.2
	1925	8.6	2.6		2027	8.3	2.5
10	0207	-0.2	-0.1	25	0248	-0.3	-0.1
F	0751	6.9	2.1	Sa	0832	6.8	2.1
	1414	-0.6	-0.2		1451	-0.3	-0.1
	2014	8.9	2.7		2105	8.2	2.5
11	0300	-0.3	-0.1	26	0333	-0.2	-0.1
Sa	0839	7.0	2.1	Su	0910	6.7	2.0
	1506	-0.7	-0.2		1535	-0.1	0.0
	2102	8.9	2.7		2139	8.0	2.4
12	0351	-0.4	-0.1	27	0416	-0.1	0.0
Su	0928	7.0	2.1	M	0945	6.7	2.0
	1558	-0.7	-0.2		1616	0.1	0.0
	2152	8.9	2.7		2213	7.8	2.4
13	0442	-0.4	-0.1	28	0456	0.0	0.0
M	1020	6.9	2.1	Tu	1020	6.6	2.0
	1650	-0.6	-0.2		1655	0.3	0.1
	2243	8.7	2.7		2245	7.6	2.3
14	0533	-0.4	-0.1	29	0535	0.1	0.0
Tu	1117	6.9	2.1	W	1056	6.6	2.0
	1743	-0.5	-0.2		1735	0.5	0.2
	2337	8.4	2.6		2320	7.5	2.3
15	0623	-0.4	-0.1	30	0615	0.2	0.1
W	1217	6.9	2.1	Th	1138	6.7	2.0
	1839	-0.3	-0.1		1815	0.7	0.2
					2357	7.3	2.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0655	0.3	0.1	16	0110	7.7	2.3
F	1223	6.8	2.1	Sa	0744	-0.4	-0.1
	1858	0.8	0.2		1358	7.5	2.3
					2014	0.1	0.0
2	0039	7.2	2.2	17	0201	7.3	2.2
Sa	0739	0.3	0.1	Su	0837	-0.3	-0.1
	1312	7.0	2.1		1452	7.6	2.3
	1952	1.0	0.3		2114	0.3	0.1
3	0129	7.0	2.1	18	0257	6.9	2.1
Su	0830	0.3	0.1	M	0931	-0.2	-0.1
	1406	7.2	2.2		1549	7.6	2.3
	2053	1.0	0.3		2212	0.4	0.1
4	0220	6.9	2.1	19	0351	6.6	2.0
M	0922	0.2	0.1	Tu	1025	-0.2	-0.1
	1500	7.4	2.3		1646	7.7	2.3
	2157	0.9	0.3		2307	0.3	0.1
5	0316	6.7	2.0	20	0449	6.5	2.0
Tu	1016	0.0	0.0	W	1117	-0.2	-0.1
	1602	7.7	2.3		1742	7.8	2.4
	2257	0.6	0.2		2358	0.2	0.1
6	0420	6.6	2.0	21	0545	6.5	2.0
W	1111	-0.2	-0.1	Th	1206	-0.2	-0.1
	1702	8.0	2.4		1835	8.0	2.4
	2354	0.3	0.1				
7	0527	6.6	2.0	22	0048	0.1	0.0
Th	1206	-0.5	-0.2	F	0639	6.6	2.0
	1807	8.4	2.6		1254	-0.2	-0.1
					1922	8.1	2.5
8	0050	0.0	0.0	23	0136	0.0	0.0
F	0632	6.7	2.0	Sa	0726	6.7	2.0
	1259	-0.7	-0.2		1341	-0.2	-0.1
	1906	8.7	2.7		2003	8.1	2.5
9	0146	-0.3	-0.1	24	0222	0.0	0.0
Sa	0733	6.9	2.1	Su	0807	6.8	2.1
	1354	-0.9	-0.3		1426	-0.1	0.0
	2000	9.0	2.7		2040	8.1	2.5
10	0241	-0.5	-0.2	25	0306	-0.1	0.0
Su	0828	7.1	2.2	M	0845	6.8	2.1
	1449	-1.0	-0.3		1511	0.0	0.0
	2053	9.1	2.8		2114	8.0	2.4
11	0335	-0.7	-0.2	26	0348	-0.1	0.0
M	0921	7.3	2.2	Tu	0920	6.9	2.1
	1544	-1.1	-0.3		1550	0.2	0.1
	2143	9.1	2.8		2145	7.9	2.4
12	0425	-0.8	-0.2	27	0427	0.0	0.0
Tu	1014	7.4	2.3	W	0952	6.9	2.1
	1637	-1.0	-0.3		1629	0.3	0.1
	2233	8.9	2.7		2214	7.8	2.4
13	0514	-0.8	-0.2	28	0504	0.1	0.0
W	1108	7.4	2.3	Th	1027	7.0	2.1
	1730	-0.8	-0.2		1706	0.5	0.2
	2325	8.5	2.6		2245	7.6	2.3
14	0603	-0.8	-0.2	29	0541	0.2	0.1
Th	1205	7.4	2.3	F	1104	7.1	2.2
	1822	-0.5	-0.2		1743	0.7	0.2
					2318	7.5	2.3
15	0018	8.1	2.5	30	0618	0.2	0.1
F	0652	-0.6	-0.2	Sa	1146	7.3	2.2
	1300	7.5	2.3		1823	0.8	0.2
	1916	-0.2	-0.1				
				31	0000	7.3	2.2
				Su	0655	0.3	0.1
					1236	7.4	2.3
					1913	1.0	0.3

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0047	7.2	2.2	16	0222	6.8	2.1
M	0742	0.3	0.1	Tu	0859	0.3	0.1
	1326	7.6	2.3		1515	7.6	2.3
	2012	1.1	0.3		2143	0.9	0.3
2	0141	7.0	2.1	17	0317	6.5	2.0
Tu	0838	0.3	0.1	W	0953	0.4	0.1
	1424	7.8	2.4		1614	7.6	2.3
	2120	1.1	0.3		2238	0.8	0.2
3	0241	6.8	2.1	18	0414	6.4	2.0
W	0940	0.2	0.1	Th	1047	0.4	0.1
	1527	8.0	2.4		1710	7.7	2.3
	2228	0.9	0.3		2329	0.7	0.2
4	0346	6.6	2.0	19	0513	6.5	2.0
Th	1042	0.0	0.0	F	1139	0.3	0.1
	1634	8.2	2.5		1806	7.8	2.4
	2329	0.5	0.2				
5	0501	6.7	2.0	20	0020	0.6	0.2
F	1142	-0.4	-0.1	Sa	0609	6.6	2.0
	1744	8.5	2.6		1229	0.2	0.1
					1853	8.0	2.4
6	0029	0.1	0.0	21	0106	0.4	0.1
Sa	0614	6.9	2.1	Su	0659	6.9	2.1
	1240	-0.7	-0.2		1315	0.2	0.1
	1848	8.9	2.7		1938	8.1	2.5
7	0126	-0.3	-0.1	22	0152	0.2	0.1
Su	0719	7.3	2.2	M	0742	7.1	2.2
	1338	-1.0	-0.3		1401	0.2	0.1
	1946	9.2	2.8		2015	8.2	2.5
8	0221	-0.6	-0.2	23	0237	0.1	0.0
M	0815	7.7	2.3	Tu	0821	7.3	2.2
	1433	-1.2	-0.4		1443	0.2	0.1
	2039	9.4	2.9		2048	8.1	2.5
9	0314	-0.9	-0.3	24	0317	0.1	0.0
Tu	0908	8.0	2.4	W	0853	7.4	2.3
	1527	-1.2	-0.4		1525	0.3	0.1
	2129	9.3	2.8		2117	8.1	2.5
10	0403	-1.0	-0.3	25	0356	0.1	0.0
W	0959	8.1	2.5	Th	0926	7.5	2.3
	1619	-1.1	-0.3		1603	0.5	0.2
	2218	9.1	2.8		2145	7.9	2.4
11	0451	-1.0	-0.3	26	0432	0.2	0.1
Th	1050	8.2	2.5	F	0958	7.6	2.3
	1711	-0.9	-0.3		1639	0.6	0.2
	2304	8.6	2.6		2213	7.8	2.4
12	0538	-0.8	-0.2	27	0507	0.3	0.1
F	1142	8.1	2.5	Sa	1034	7.8	2.4
	1802	-0.5	-0.2		1716	0.8	0.2
	2354	8.1	2.5		2248	7.7	2.3
13	0625	-0.6	-0.2	28	0541	0.4	0.1
Sa	1236	8.0	2.4	Su	1114	7.9	2.4
	1854	-0.1	0.0		1753	1.0	0.3
					2327	7.5	2.3
14	0042	7.6	2.3	29	0618	0.5	0.2
Su	0713	-0.3	-0.1	M	1202	8.0	2.4
	1327	7.9	2.4		1844	1.1	0.3
	1947	0.4	0.1				
15	0132	7.1	2.2	30	0015	7.3	2.2
M	0804	0.1	0.0	Tu	0703	0.5	0.2
	1422	7.8	2.4		1255	8.1	2.5
	2045	0.7	0.2		1942	1.3	0.4
				31	0111	7.0	2.1
				W	0802	0.6	0.2
					1356	8.1	2.5
					2053	1.3	0.4

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0214	6.9	2.1	16	0339	6.6	2.0
Th	0912	0.5	0.2	F	1017	0.9	0.3
	1502	8.2	2.5		1633	7.6	2.3
	2204	1.1	0.3		2259	1.1	0.3
2	0325	6.8	2.1	17	0436	6.7	2.0
F	1021	0.3	0.1	Sa	1111	0.8	0.2
	1613	8.4	2.6		1729	7.7	2.3
	2310	0.7	0.2		2349	0.9	0.3
3	0444	7.0	2.1	18	0536	6.9	2.1
Sa	1123	-0.1	0.0	Su	1200	0.6	0.2
	1726	8.7	2.7		1819	7.9	2.4
4	0008	0.2	0.1	19	0035	0.6	0.2
Su	0600	7.4	2.3	M	0629	7.2	2.2
	1224	-0.6	-0.2		1248	0.5	0.2
	1832	9.1	2.8		1904	8.1	2.5
5	0104	-0.2	-0.1	20	0121	0.4	0.1
M	0705	7.9	2.4	Tu	0714	7.5	2.3
	1320	-0.9	-0.3		1333	0.4	0.1
	1930	9.4	2.9		1943	8.2	2.5
6	0157	-0.6	-0.2	21	0203	0.3	0.1
Tu	0802	8.4	2.6	W	0752	7.7	2.3
	1415	-1.1	-0.3		1417	0.4	0.1
	2021	9.5	2.9		2016	8.2	2.5
7	0249	-0.9	-0.3	22	0245	0.2	0.1
W	0851	8.8	2.7	Th	0826	8.0	2.4
	1509	-1.2	-0.4		1459	0.5	0.2
	2109	9.4	2.9		2047	8.1	2.5
8	0338	-1.0	-0.3	23	0323	0.2	0.1
Th	0940	8.9	2.7	F	0900	8.1	2.5
	1600	-1.0	-0.3		1538	0.6	0.2
	2155	9.1	2.8		2116	8.0	2.4
9	0424	-0.9	-0.3	24	0400	0.3	0.1
F	1029	8.9	2.7	Sa	0932	8.3	2.5
	1650	-0.7	-0.2		1615	0.8	0.2
	2240	8.6	2.6		2146	7.8	2.4
10	0509	-0.7	-0.2	25	0434	0.4	0.1
Sa	1116	8.7	2.7	Su	1008	8.4	2.6
	1739	-0.3	-0.1		1656	0.9	0.3
	2324	8.1	2.5		2219	7.7	2.3
11	0554	-0.3	-0.1	26	0510	0.5	0.2
Su	1205	8.4	2.6	M	1048	8.4	2.6
	1828	0.2	0.1		1735	1.1	0.3
					2300	7.5	2.3
12	0010	7.5	2.3	27	0549	0.6	0.2
M	0640	0.1	0.0	Tu	1137	8.4	2.6
	1254	8.1	2.5		1823	1.3	0.4
	1919	0.7	0.2		2349	7.3	2.2
13	0057	7.1	2.2	28	0639	0.7	0.2
Tu	0729	0.5	0.2	W	1231	8.4	2.6
	1347	7.9	2.4		1924	1.4	0.4
	2012	1.1	0.3				
14	0148	6.8	2.1	29	0049	7.0	2.1
W	0822	0.8	0.2	Th	0742	0.8	0.2
	1440	7.7	2.3		1335	8.3	2.5
	2109	1.3	0.4		2033	1.4	0.4
15	0240	6.6	2.0	30	0158	6.9	2.1
Th	0921	1.0	0.3	F	0851	0.7	0.2
	1536	7.6	2.3		1443	8.4	2.6
	2204	1.3	0.4		2145	1.2	0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0314	7.0	2.1	16 Su	0357	6.8	2.1
	1001	0.5	0.2		1038	1.1	0.3
	1556	8.5	2.6		1641	7.5	2.3
	2249	0.7	0.2		2313	0.9	0.3
2 Su	0433	7.3	2.2	17 M	0454	7.0	2.1
	1107	0.0	0.0		1129	0.9	0.3
	1707	8.7	2.7		1736	7.7	2.3
	2347	0.2	0.1				
3 M	0545	7.8	2.4	18 Tu	0001	0.6	0.2
	1206	-0.4	-0.1		0550	7.4	2.3
	1812	9.0	2.7		1216	0.7	0.2
					1822	7.8	2.4
4 Tu	0041	-0.3	-0.1	19 W	0045	0.4	0.1
	0648	8.4	2.6		0637	7.7	2.3
	1301	-0.8	-0.2		1304	0.6	0.2
	1909	9.3	2.8		1905	7.9	2.4
5 W	0133	-0.7	-0.2	20 Th	0128	0.2	0.1
	0743	9.0	2.7		0721	8.0	2.4
	1356	-0.9	-0.3		1349	0.5	0.2
	1959	9.3	2.8		1944	7.9	2.4
6 Th	0223	-0.9	-0.3	21 F	0210	0.2	0.1
	0832	9.3	2.8		0759	8.3	2.5
	1448	-1.0	-0.3		1432	0.5	0.2
	2047	9.2	2.8		2018	7.9	2.4
7 F	0310	-0.9	-0.3	22 Sa	0250	0.2	0.1
	0919	9.4	2.9		0835	8.5	2.6
	1539	-0.8	-0.2		1514	0.6	0.2
	2131	8.8	2.7		2050	7.8	2.4
8 Sa	0356	-0.7	-0.2	23 Su	0329	0.2	0.1
	1003	9.3	2.8		0909	8.6	2.6
	1627	-0.5	-0.2		1556	0.7	0.2
	2213	8.4	2.6		2122	7.6	2.3
9 Su	0441	-0.4	-0.1	24 M	0408	0.3	0.1
	1048	9.0	2.7		0949	8.7	2.7
	1714	-0.1	0.0		1640	0.8	0.2
	2255	7.9	2.4		2202	7.5	2.3
10 M	0524	-0.1	0.0	25 Tu	0450	0.4	0.1
	1133	8.6	2.6		1030	8.7	2.7
	1801	0.4	0.1		1724	1.0	0.3
	2337	7.4	2.3		2244	7.3	2.2
11 Tu	0609	0.4	0.1	26 W	0533	0.5	0.2
	1220	8.2	2.5		1120	8.6	2.6
	1850	0.9	0.3		1813	1.1	0.3
					2335	7.1	2.2
12 W	0019	7.0	2.1	27 Th	0626	0.6	0.2
	0655	0.8	0.2		1218	8.4	2.6
	1308	7.9	2.4		1912	1.2	0.4
	1940	1.2	0.4				
13 Th	0110	6.8	2.1	28 F	0039	6.9	2.1
	0747	1.1	0.3		0727	0.7	0.2
	1400	7.6	2.3		1321	8.3	2.5
	2033	1.4	0.4		2017	1.2	0.4
14 F	0201	6.7	2.0	29 Sa	0152	6.9	2.1
	0843	1.3	0.4		0837	0.7	0.2
	1452	7.5	2.3		1428	8.3	2.5
	2129	1.4	0.4		2125	0.9	0.3
15 Sa	0258	6.7	2.0	30 Su	0307	7.1	2.2
	0941	1.3	0.4		0945	0.4	0.1
	1548	7.5	2.3		1538	8.3	2.5
	2224	1.2	0.4		2227	0.5	0.2
				31 M	0422	7.5	2.3
					1049	0.1	0.0
					1646	8.4	2.6
					2323	0.0	0.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0530	8.0	2.4	16 W	0506	7.3	2.2
	1147	-0.3	-0.1		1144	0.7	0.2
	1750	8.6	2.6		1736	7.3	2.2
2 W	0016	-0.5	-0.2	17 Th	0008	0.2	0.1
	0629	8.6	2.6		0558	7.7	2.3
	1243	-0.6	-0.2		1233	0.6	0.2
	1845	8.7	2.7		1825	7.4	2.3
3 Th	0106	-0.8	-0.2	18 F	0053	0.0	0.0
	0724	9.1	2.8		0645	8.0	2.4
	1336	-0.8	-0.2		1320	0.4	0.1
	1936	8.7	2.7		1910	7.4	2.3
4 F	0155	-0.9	-0.3	19 Sa	0138	-0.1	0.0
	0813	9.3	2.8		0730	8.3	2.5
	1427	-0.8	-0.2		1407	0.3	0.1
	2022	8.5	2.6		1951	7.4	2.3
5 Sa	0242	-0.9	-0.3	20 Su	0219	-0.1	0.0
	0857	9.4	2.9		0812	8.6	2.6
	1517	-0.6	-0.2		1453	0.3	0.1
	2106	8.2	2.5		2029	7.4	2.3
6 Su	0328	-0.7	-0.2	21 M	0304	-0.2	-0.1
	0940	9.2	2.8		0852	8.7	2.7
	1604	-0.4	-0.1		1539	0.3	0.1
	2145	7.9	2.4		2108	7.3	2.2
7 M	0413	-0.4	-0.1	22 Tu	0347	-0.1	0.0
	1021	8.8	2.7		0935	8.7	2.7
	1649	0.0	0.0		1626	0.4	0.1
	2226	7.5	2.3		2151	7.2	2.2
8 Tu	0456	0.0	0.0	23 W	0435	-0.1	0.0
	1103	8.4	2.6		1020	8.6	2.6
	1734	0.4	0.1		1715	0.5	0.2
	2304	7.2	2.2		2237	7.0	2.1
9 W	0538	0.3	0.1	24 Th	0524	0.0	0.0
	1145	8.0	2.4		1112	8.5	2.6
	1818	0.7	0.2		1805	0.6	0.2
	2346	6.9	2.1		2333	6.9	2.1
10 Th	0622	0.7	0.2	25 F	0618	0.1	0.0
	1227	7.7	2.3		1210	8.3	2.5
	1905	1.0	0.3		1900	0.6	0.2
11 F	0031	6.7	2.0	26 Sa	0039	6.8	2.1
	0710	1.0	0.3		0716	0.2	0.1
	1315	7.5	2.3		1311	8.1	2.5
	1956	1.2	0.4		2000	0.5	0.2
12 Sa	0122	6.6	2.0	27 Su	0147	6.9	2.1
	0804	1.2	0.4		0821	0.3	0.1
	1404	7.3	2.2		1414	7.9	2.4
	2049	1.2	0.4		2102	0.4	0.1
13 Su	0217	6.6	2.0	28 M	0257	7.2	2.2
	0901	1.2	0.4		0927	0.2	0.1
	1455	7.2	2.2		1518	7.8	2.4
	2143	1.0	0.3		2201	0.0	0.0
14 M	0312	6.8	2.1	29 Tu	0404	7.5	2.3
	0959	1.2	0.4		1030	-0.1	0.0
	1549	7.2	2.2		1622	7.8	2.4
	2233	0.8	0.2		2257	-0.3	-0.1
15 Tu	0410	7.0	2.1	30 W	0508	7.9	2.4
	1052	1.0	0.3		1127	-0.3	-0.1
	1644	7.3	2.2		1724	7.8	2.4
	2321	0.5	0.2		2350	-0.6	-0.2

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0608	8.4	2.6	16 F	0515	7.5	2.3
	1222	-0.5	-0.2		1200	0.5	0.2
	1821	7.8	2.4		1740	6.8	2.1
2 F	0040	-0.8	-0.2	17 Sa	0017	-0.2	-0.1
	0702	8.7	2.7		0612	7.8	2.4
	1314	-0.7	-0.2		1251	0.2	0.1
	1914	7.8	2.4		1836	6.8	2.1
3 Sa	0129	-0.9	-0.3	18 Su	0106	-0.4	-0.1
	0751	8.9	2.7		0704	8.2	2.5
	1405	-0.7	-0.2		1343	0.1	0.0
	2000	7.7	2.3		1926	6.9	2.1
4 Su	0215	-0.9	-0.3	19 M	0154	-0.6	-0.2
	0836	8.9	2.7		0754	8.4	2.6
	1453	-0.6	-0.2		1433	-0.1	0.0
	2042	7.5	2.3		2013	7.0	2.1
5 M	0302	-0.7	-0.2	20 Tu	0245	-0.7	-0.2
	0916	8.7	2.7		0840	8.6	2.6
	1541	-0.4	-0.1		1524	-0.1	0.0
	2122	7.3	2.2		2100	7.1	2.2
6 Tu	0347	-0.5	-0.2	21 W	0334	-0.8	-0.2
	0957	8.4	2.6		0927	8.7	2.7
	1624	-0.2	-0.1		1613	-0.2	-0.1
	2157	7.1	2.2		2147	7.0	2.1
7 W	0429	-0.2	-0.1	22 Th	0423	-0.8	-0.2
	1034	8.1	2.5		1015	8.6	2.6
	1706	0.1	0.0		1703	-0.2	-0.1
	2234	6.9	2.1		2237	7.0	2.1
8 Th	0511	0.1	0.0	23 F	0514	-0.7	-0.2
	1112	7.8	2.4		1106	8.4	2.6
	1749	0.3	0.1		1752	-0.2	-0.1
	2314	6.7	2.0		2333	7.0	2.1
9 F	0552	0.3	0.1	24 Sa	0607	-0.5	-0.2
	1149	7.5	2.3		1201	8.1	2.5
	1831	0.5	0.2		1844	-0.2	-0.1
	2354	6.6	2.0				
10 Sa	0634	0.6	0.2	25 Su	0034	7.0	2.1
	1231	7.3	2.2		0703	-0.3	-0.1
	1916	0.7	0.2		1258	7.8	2.4
					1938	-0.1	0.0
11 Su	0042	6.6	2.0	26 M	0136	7.1	2.2
	0723	0.8	0.2		0804	-0.2	-0.1
	1315	7.1	2.2		1354	7.5	2.3
	2005	0.7	0.2		2036	-0.2	-0.1
12 M	0132	6.6	2.0	27 Tu	0240	7.2	2.2
	0815	1.0	0.3		0906	-0.1	0.0
	1401	7.0	2.1		1454	7.3	2.2
	2057	0.7	0.2		2134	-0.3	-0.1
13 Tu	0224	6.8	2.1	28 W	0343	7.4	2.3
	0913	1.0	0.3		1008	-0.1	0.0
	1453	6.9	2.1		1553	7.1	2.2
	2149	0.5	0.2		2230	-0.4	-0.1
14 W	0319	6.9	2.1	29 Th	0445	7.6	2.3
	1012	0.9	0.3		1106	-0.2	-0.1
	1545	6.8	2.1		1655	6.9	2.1
	2240	0.3	0.1		2323	-0.6	-0.2
15 Th	0417	7.2	2.2	30 F	0545	7.9	2.4
	1108	0.7	0.2		1200	-0.4	-0.1
	1644	6.8	2.1		1755	6.9	2.1
	2331	0.0	0.0				
				31 Sa	0014	-0.7	-0.2
					0640	8.1	2.5
					1252	-0.5	-0.2
					1849	7.0	2.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0315	-1.2	-0.4
	1006	5.3	1.6
	1609	-1.0	-0.3
	2227	4.3	1.3
2 Su	0413	-1.0	-0.3
	1059	5.1	1.6
	1703	-0.9	-0.3
	2324	4.3	1.3
3 M	0512	-0.7	-0.2
	1152	4.9	1.5
	1800	-0.7	-0.2
4 Tu	0020	4.3	1.3
	0615	-0.4	-0.1
	1246	4.6	1.4
	1855	-0.6	-0.2
5 W	0119	4.3	1.3
	0719	-0.2	-0.1
	1345	4.4	1.3
	1952	-0.4	-0.1
6 Th	0219	4.3	1.3
	0825	0.0	0.0
	1441	4.1	1.2
	2047	-0.3	-0.1
7 F	0317	4.3	1.3
	0928	0.1	0.0
	1538	3.9	1.2
	2141	-0.2	-0.1
8 Sa	0415	4.4	1.3
	1026	0.2	0.1
	1634	3.8	1.2
	2231	-0.2	-0.1
9 Su	0510	4.4	1.3
	1121	0.1	0.0
	1726	3.7	1.1
	2320	-0.2	-0.1
10 M	0558	4.5	1.4
	1209	0.0	0.0
	1815	3.6	1.1
11 Tu	0005	-0.3	-0.1
	0646	4.5	1.4
	1252	-0.1	0.0
	1902	3.6	1.1
12 W	0047	-0.3	-0.1
	0730	4.5	1.4
	1334	-0.1	0.0
	1943	3.6	1.1
13 Th	0125	-0.4	-0.1
	0810	4.5	1.4
	1413	-0.2	-0.1
	2024	3.6	1.1
14 F	0202	-0.4	-0.1
	0849	4.4	1.3
	1448	-0.2	-0.1
	2101	3.6	1.1
15 Sa	0236	-0.3	-0.1
	0926	4.4	1.3
	1523	-0.2	-0.1
	2138	3.6	1.1
16 Su	0310	-0.3	-0.1
	1002	4.3	1.3
	1555	-0.1	0.0
	2214	3.6	1.1
17 M	0347	-0.1	0.0
	1037	4.2	1.3
	1627	-0.1	0.0
	2249	3.7	1.1
18 Tu	0422	0.0	0.0
	1109	4.1	1.2
	1703	0.0	0.0
	2327	3.7	1.1
19 W	0507	0.1	0.0
	1145	4.0	1.2
	1741	0.0	0.0
20 Th	0004	3.8	1.2
	0554	0.3	0.1
	1222	3.9	1.2
	1826	0.0	0.0
21 F	0049	3.9	1.2
	0649	0.4	0.1
	1308	3.8	1.2
	1917	0.0	0.0
22 Sa	0143	4.0	1.2
	0751	0.4	0.1
	1403	3.6	1.1
	2013	-0.1	0.0
23 Su	0245	4.1	1.2
	0902	0.3	0.1
	1504	3.5	1.1
	2113	-0.3	-0.1
24 M	0352	4.3	1.3
	1010	0.1	0.0
	1618	3.5	1.1
	2215	-0.5	-0.2
25 Tu	0502	4.5	1.4
	1115	-0.3	-0.1
	1726	3.6	1.1
	2318	-0.8	-0.2
26 W	0609	4.7	1.4
	1215	-0.6	-0.2
	1832	3.7	1.1
27 Th	0015	-1.1	-0.3
	0709	4.9	1.5
	1312	-0.9	-0.3
	1928	3.9	1.2
28 F	0114	-1.4	-0.4
	0805	5.1	1.6
	1405	-1.2	-0.4
	2025	4.1	1.2
29 Sa	0209	-1.5	-0.5
	0857	5.1	1.6
	1457	-1.3	-0.4
	2118	4.3	1.3
30 Su	0305	-1.5	-0.5
	0949	5.1	1.6
	1547	-1.3	-0.4
	2209	4.3	1.3
31 M	0400	-1.3	-0.4
	1038	4.9	1.5
	1638	-1.2	-0.4
	2300	4.4	1.3

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0455	-1.1	-0.3
	1128	4.6	1.4
	1730	-1.1	-0.3
	2354	4.4	1.3
2 W	0554	-0.7	-0.2
	1218	4.3	1.3
	1821	-0.8	-0.2
3 Th	0046	4.3	1.3
	0653	-0.3	-0.1
	1309	4.0	1.2
	1914	-0.5	-0.2
4 F	0142	4.2	1.3
	0755	0.0	0.0
	1404	3.8	1.2
	2007	-0.3	-0.1
5 Sa	0239	4.1	1.2
	0856	0.2	0.1
	1500	3.5	1.1
	2103	-0.1	0.0
6 Su	0339	4.1	1.2
	0956	0.3	0.1
	1559	3.4	1.0
	2159	0.0	0.0
7 M	0437	4.1	1.2
	1049	0.3	0.1
	1655	3.4	1.0
	2249	0.0	0.0
8 Tu	0532	4.1	1.2
	1142	0.2	0.1
	1747	3.4	1.0
	2337	-0.1	0.0
9 W	0624	4.2	1.3
	1227	0.1	0.0
	1833	3.5	1.1
10 Th	0022	-0.2	-0.1
	0705	4.3	1.3
	1308	-0.1	0.0
	1919	3.6	1.1
11 F	0104	-0.3	-0.1
	0747	4.3	1.3
	1346	-0.2	-0.1
	1959	3.6	1.1
12 Sa	0142	-0.4	-0.1
	0826	4.3	1.3
	1421	-0.3	-0.1
	2037	3.7	1.1
13 Su	0217	-0.4	-0.1
	0903	4.3	1.3
	1453	-0.4	-0.1
	2114	3.8	1.2
14 M	0252	-0.4	-0.1
	0936	4.3	1.3
	1524	-0.4	-0.1
	2149	3.8	1.2
15 Tu	0326	-0.4	-0.1
	1011	4.2	1.3
	1556	-0.4	-0.1
	2222	3.9	1.2
16 W	0403	-0.3	-0.1
	1043	4.1	1.2
	1630	-0.3	-0.1
	2257	4.0	1.2
17 Th	0443	-0.2	-0.1
	1115	4.0	1.2
	1707	-0.3	-0.1
	2336	4.1	1.2
18 F	0531	0.0	0.0
	1154	3.8	1.2
	1752	-0.2	-0.1
19 Sa	0020	4.1	1.2
	0625	0.1	0.0
	1239	3.7	1.1
	1842	-0.2	-0.1
20 Su	0111	4.1	1.2
	0729	0.3	0.1
	1335	3.5	1.1
	1940	-0.1	0.0
21 M	0218	4.2	1.3
	0840	0.2	0.1
	1444	3.4	1.0
	2049	-0.2	-0.1
22 Tu	0334	4.2	1.3
	0953	0.1	0.0
	1557	3.4	1.0
	2157	-0.4	-0.1
23 W	0449	4.4	1.3
	1100	-0.2	-0.1
	1713	3.6	1.1
	2305	-0.7	-0.2
24 Th	0556	4.6	1.4
	1201	-0.6	-0.2
	1819	3.8	1.2
25 F	0006	-1.0	-0.3
	0656	4.8	1.5
	1254	-0.9	-0.3
	1915	4.1	1.2
26 Sa	0104	-1.3	-0.4
	0749	5.0	1.5
	1347	-1.2	-0.4
	2008	4.4	1.3
27 Su	0158	-1.4	-0.4
	0840	5.0	1.5
	1435	-1.3	-0.4
	2100	4.5	1.4
28 M	0251	-1.4	-0.4
	0929	4.9	1.5
	1523	-1.4	-0.4
	2147	4.6	1.4

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0343	-1.3	-0.4
	1014	4.7	1.4
	1609	-1.2	-0.4
	2235	4.7	1.4
2 W	0434	-1.0	-0.3
	1101	4.5	1.4
	1654	-1.0	-0.3
	2323	4.6	1.4
3 Th	0528	-0.6	-0.2
	1146	4.2	1.3
	1741	-0.6	-0.2
4 F	0012	4.4	1.3
	0621	-0.2	-0.1
	1234	3.9	1.2
	1830	-0.3	-0.1
5 Sa	0104	4.3	1.3
	0719	0.1	0.0
	1326	3.7	1.1
	1925	0.0	0.0
6 Su	0158	4.1	1.2
	0817	0.4	0.1
	1420	3.5	1.1
	2021	0.3	0.1
7 M	0257	4.0	1.2
	0921	0.6	0.2
	1520	3.4	1.0
	2120	0.4	0.1
8 Tu	0358	4.0	1.2
	1017	0.6	0.2
	1617	3.4	1.0
	2217	0.4	0.1
9 W	0457	4.0	1.2
	1108	0.5	0.2
	1713	3.5	1.1
	2308	0.3	0.1
10 Th	0550	4.1	1.2
	1153	0.3	0.1
	1803	3.6	1.1
	2356	0.1	0.0
11 F	0635	4.2	1.3
	1235	0.1	0.0
	1848	3.8	1.2
12 Sa	0038	-0.1	0.0
	0717	4.3	1.3
	1312	-0.1	0.0
	1929	3.9	1.2
13 Su	0116	-0.2	-0.1
	0756	4.4	1.3
	1345	-0.2	-0.1
	2009	4.1	1.2
14 M	0153	-0.4	-0.1
	0834	4.4	1.3
	1418	-0.4	-0.1
	2046	4.2	1.3
15 Tu	0229	-0.4	-0.1
	0908	4.3	1.3
	1450	-0.4	-0.1
	2120	4.3	1.3
16 W	0306	-0.4	-0.1
	0941	4.2	1.3
	1523	-0.5	-0.2
	2155	4.4	1.3
17 Th	0345	-0.4	-0.1
	1018	4.1	1.2
	1559	-0.4	-0.1
	2232	4.4	1.3
18 F	0429	-0.2	-0.1
	1054	4.0	1.2
	1640	-0.4	-0.1
	2312	4.5	1.4
19 Sa	0515	-0.1	0.0
	1136	3.9	1.2
	1725	-0.2	-0.1
20 Su	0000	4.5	1.4
	0613	0.1	0.0
	1224	3.7	1.1
	1818	-0.1	0.0
21 M	0057	4.4	1.3
	0716	0.3	0.1
	1324	3.6	1.1
	1922	0.0	0.0
22 Tu	0206	4.3	1.3
	0828	0.3	0.1
	1437	3.6	1.1
	2034	0.0	0.0
23 W	0325	4.4	1.3
	0941	0.2	0.1
	1554	3.7	1.1
	2149	-0.1	0.0
24 Th	0439	4.5	1.4
	1047	-0.1	0.0
	1705	3.9	1.2
	2256	-0.4	-0.1
25 F	0542	4.7	1.4
	1142	-0.4	-0.1
	1806	4.2	1.3
	2358	-0.7	-0.2
26 Sa	0640	4.8	1.5
	1235	-0.8	-0.2
	1902	4.5	1.4
27 Su	0055	-1.0	-0.3
	0730	4.9	1.5
	1323	-1.0	-0.3
	1951	4.7	1.4
28 M	0146	-1.1	-0.3
	0819	4.9	1.5
	1409	-1.1	-0.3
	2037	4.9	1.5
29 Tu	0236	-1.1	-0.3
	0905	4.8	1.5
	1454	-1.1	-0.3
	2123	5.0	1.5
30 W	0323	-1.0	-0.3
	0949	4.6	1.4
	1537	-1.0	-0.3
	2208	4.9	1.5
31 Th	0412	-0.7	-0.2
	1031	4.3	1.3
	1618	-0.7	-0.2
	2251	4.8	1.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0459	-0.4	-0.1	16	0416	-0.3	-0.1
F	1114	4.1	1.2	Sa	1039	4.1	1.2
	1703	-0.3	-0.1		1618	-0.4	-0.1
	2336	4.6	1.4		2259	4.8	1.5
2	0551	0.0	0.0	17	0506	-0.1	0.0
Sa	1200	3.9	1.2	Su	1126	3.9	1.2
	1746	0.0	0.0		1708	-0.2	-0.1
					2352	4.7	1.4
3	0023	4.4	1.3	18	0605	0.1	0.0
Su	0642	0.3	0.1	M	1221	3.8	1.2
	1247	3.7	1.1		1807	0.0	0.0
	1837	0.4	0.1				
4	0116	4.2	1.3	19	0053	4.6	1.4
M	0738	0.6	0.2	Tu	0712	0.2	0.1
	1340	3.6	1.1		1327	3.8	1.2
	1934	0.6	0.2		1915	0.2	0.1
5	0214	4.1	1.2	20	0203	4.5	1.4
Tu	0838	0.8	0.2	W	0822	0.2	0.1
	1438	3.5	1.1		1437	3.8	1.2
	2037	0.8	0.2		2031	0.2	0.1
6	0314	4.0	1.2	21	0317	4.5	1.4
W	0933	0.8	0.2	Th	0928	0.1	0.0
	1538	3.6	1.1		1548	4.0	1.2
	2137	0.8	0.2		2144	0.1	0.0
7	0415	4.0	1.2	22	0423	4.5	1.4
Th	1025	0.7	0.2	F	1028	-0.1	0.0
	1635	3.7	1.1		1652	4.3	1.3
	2231	0.6	0.2		2249	-0.2	-0.1
8	0508	4.1	1.2	23	0525	4.6	1.4
F	1111	0.6	0.2	Sa	1122	-0.4	-0.1
	1727	3.9	1.2		1751	4.6	1.4
	2321	0.4	0.1		2348	-0.4	-0.1
9	0556	4.2	1.3	24	0619	4.7	1.4
Sa	1153	0.3	0.1	Su	1211	-0.7	-0.2
	1814	4.1	1.2		1843	4.8	1.5
10	0006	0.2	0.1	25	0042	-0.6	-0.2
Su	0641	4.3	1.3	M	0709	4.6	1.4
	1230	0.1	0.0		1258	-0.8	-0.2
	1855	4.3	1.3		1931	5.0	1.5
11	0048	0.0	0.0	26	0131	-0.8	-0.2
M	0721	4.3	1.3	Tu	0755	4.6	1.4
	1304	-0.2	-0.1		1341	-0.9	-0.3
	1936	4.5	1.4		2017	5.1	1.6
12	0125	-0.2	-0.1	27	0219	-0.8	-0.2
Tu	0800	4.3	1.3	W	0839	4.4	1.3
	1339	-0.4	-0.1		1423	-0.8	-0.2
	2014	4.6	1.4		2059	5.1	1.6
13	0206	-0.4	-0.1	28	0303	-0.7	-0.2
W	0837	4.3	1.3	Th	0923	4.3	1.3
	1414	-0.5	-0.2		1505	-0.7	-0.2
	2053	4.7	1.4		2142	5.0	1.5
14	0246	-0.4	-0.1	29	0348	-0.5	-0.2
Th	0916	4.2	1.3	F	1005	4.1	1.2
	1452	-0.5	-0.2		1544	-0.4	-0.1
	2131	4.8	1.5		2224	4.8	1.5
15	0330	-0.4	-0.1	30	0432	-0.2	-0.1
F	0955	4.2	1.3	Sa	1046	3.9	1.2
	1534	-0.5	-0.2		1626	-0.1	0.0
	2211	4.9	1.5		2307	4.6	1.4

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0517	0.1	0.0	16	0500	-0.3	-0.1
Su	1128	3.8	1.2	M	1120	4.0	1.2
	1707	0.2	0.1		1659	-0.3	-0.1
	2349	4.5	1.4		2349	4.9	1.5
2	0605	0.4	0.1	17	0600	-0.2	-0.1
M	1215	3.7	1.1	Tu	1221	3.9	1.2
	1753	0.5	0.2		1802	-0.1	0.0
3	0037	4.3	1.3	18	0050	4.7	1.4
Tu	0657	0.7	0.2	W	0705	-0.1	0.0
	1303	3.6	1.1		1324	4.0	1.2
	1845	0.8	0.2		1912	0.1	0.0
4	0130	4.1	1.2	19	0156	4.6	1.4
W	0749	0.8	0.2	Th	0808	-0.1	0.0
	1357	3.6	1.1		1430	4.1	1.2
	1945	0.9	0.3		2026	0.1	0.0
5	0225	4.0	1.2	20	0300	4.5	1.4
Th	0844	0.8	0.2	F	0910	-0.2	-0.1
	1454	3.7	1.1		1535	4.3	1.3
	2048	1.0	0.3		2135	0.1	0.0
6	0322	4.0	1.2	21	0404	4.4	1.3
F	0933	0.8	0.2	Sa	1007	-0.3	-0.1
	1549	3.8	1.2		1637	4.5	1.4
	2146	0.9	0.3		2239	-0.1	0.0
7	0418	4.0	1.2	22	0502	4.4	1.3
Sa	1018	0.6	0.2	Su	1058	-0.5	-0.2
	1641	4.0	1.2		1733	4.7	1.4
	2239	0.7	0.2		2334	-0.3	-0.1
8	0508	4.1	1.2	23	0555	4.3	1.3
Su	1100	0.3	0.1	M	1147	-0.6	-0.2
	1730	4.2	1.3		1822	4.9	1.5
	2328	0.4	0.1				
9	0555	4.1	1.2	24	0027	-0.4	-0.1
M	1142	0.0	0.0	Tu	0644	4.2	1.3
	1815	4.5	1.4		1232	-0.7	-0.2
					1910	5.0	1.5
10	0014	0.1	0.0	25	0115	-0.5	-0.2
Tu	0640	4.1	1.2	W	0731	4.2	1.3
	1219	-0.3	-0.1		1315	-0.7	-0.2
	1900	4.7	1.4		1955	5.0	1.5
11	0057	-0.2	-0.1	26	0201	-0.5	-0.2
W	0723	4.1	1.2	Th	0815	4.0	1.2
	1301	-0.5	-0.2		1356	-0.6	-0.2
	1943	4.9	1.5		2038	4.9	1.5
12	0141	-0.4	-0.1	27	0244	-0.5	-0.2
Th	0806	4.1	1.2	F	0856	3.9	1.2
	1343	-0.6	-0.2		1436	-0.5	-0.2
	2026	5.0	1.5		2117	4.8	1.5
13	0228	-0.5	-0.2	28	0326	-0.3	-0.1
F	0851	4.1	1.2	Sa	0937	3.8	1.2
	1427	-0.7	-0.2		1514	-0.3	-0.1
	2112	5.1	1.6		2200	4.7	1.4
14	0315	-0.6	-0.2	29	0408	-0.1	0.0
Sa	0937	4.1	1.2	Su	1019	3.7	1.1
	1514	-0.7	-0.2		1553	-0.1	0.0
	2201	5.1	1.6		2238	4.6	1.4
15	0405	-0.5	-0.2	30	0447	0.1	0.0
Su	1028	4.0	1.2	M	1059	3.7	1.1
	1604	-0.5	-0.2		1632	0.2	0.1
	2252	5.0	1.5		2320	4.4	1.3
				31	0531	0.3	0.1
				Tu	1141	3.6	1.1
					1715	0.5	0.2

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0002	4.3	1.3	16	0038	4.8	1.5
W	0613	0.5	0.2	Th	0648	-0.5	-0.2
	1226	3.6	1.1		1311	4.2	1.3
	1802	0.7	0.2		1905	-0.1	0.0
2	0049	4.1	1.2	17	0138	4.6	1.4
Th	0659	0.6	0.2	F	0748	-0.4	-0.1
	1316	3.6	1.1		1414	4.3	1.3
	1853	0.9	0.3		2014	0.0	0.0
3	0134	4.0	1.2	18	0238	4.4	1.3
F	0745	0.6	0.2	Sa	0845	-0.4	-0.1
	1407	3.7	1.1		1516	4.4	1.3
	1953	0.9	0.3		2120	0.0	0.0
4	0226	3.9	1.2	19	0338	4.2	1.3
Sa	0834	0.6	0.2	Su	0940	-0.4	-0.1
	1458	3.9	1.2		1615	4.6	1.4
	2054	0.9	0.3		2221	0.0	0.0
5	0317	3.9	1.2	20	0435	4.1	1.2
Su	0921	0.4	0.1	M	1031	-0.4	-0.1
	1551	4.0	1.2		1710	4.7	1.4
	2153	0.7	0.2		2318	-0.1	0.0
6	0412	3.8	1.2	21	0530	4.0	1.2
M	1007	0.2	0.1	Tu	1121	-0.5	-0.2
	1644	4.3	1.3		1803	4.8	1.5
	2248	0.4	0.1				
7	0503	3.8	1.2	22	0009	-0.2	-0.1
Tu	1055	-0.1	0.0	W	0619	3.9	1.2
	1735	4.5	1.4		1206	-0.5	-0.2
	2339	0.1	0.0		1849	4.8	1.5
8	0555	3.9	1.2	23	0056	-0.3	-0.1
W	1142	-0.4	-0.1	Th	0707	3.8	1.2
	1825	4.7	1.4		1249	-0.5	-0.2
					1934	4.8	1.5
9	0030	-0.2	-0.1	24	0141	-0.3	-0.1
Th	0646	3.9	1.2	F	0752	3.8	1.2
	1230	-0.7	-0.2		1331	-0.5	-0.2
	1914	4.9	1.5		2016	4.8	1.5
10	0119	-0.5	-0.2	25	0222	-0.3	-0.1
F	0739	3.9	1.2	Sa	0834	3.7	1.1
	1316	-0.9	-0.3		1411	-0.4	-0.1
	2005	5.1	1.6		2057	4.7	1.4
11	0210	-0.7	-0.2	26	0304	-0.2	-0.1
Sa	0829	4.0	1.2	Su	0913	3.7	1.1
	1405	-0.9	-0.3		1449	-0.3	-0.1
	2057	5.2	1.6		2136	4.6	1.4
12	0303	-0.8	-0.2	27	0342	-0.1	0.0
Su	0922	4.0	1.2	M	0953	3.7	1.1
	1459	-0.9	-0.3		1527	-0.1	0.0
	2149	5.2	1.6		2213	4.5	1.4
13	0355	-0.8	-0.2	28	0418	0.0	0.0
M	1015	4.0	1.2	Tu	1033	3.6	1.1
	1552	-0.8	-0.2		1603	0.1	0.0
	2245	5.1	1.6		2252	4.4	1.3
14	0451	-0.7	-0.2	29	0456	0.2	0.1
Tu	1112	4.1	1.2	W	1112	3.7	1.1
	1651	-0.6	-0.2		1641	0.3	0.1
	2339	5.0	1.5		2331	4.3	1.3
15	0549	-0.6	-0.2	30	0531	0.3	0.1
W	1210	4.1	1.2	Th	1152	3.7	1.1
	1757	-0.3	-0.1		1723	0.5	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0007	4.1	1.2	16	0113	4.6	1.4
F	0610	0.4	0.1	Sa	0719	-0.5	-0.2
	1234	3.8	1.2		1349	4.5	1.4
	1810	0.7	0.2		1954	0.0	0.0
2	0046	4.0	1.2	17	0211	4.3	1.3
Sa	0650	0.4	0.1	Su	0815	-0.4	-0.1
	1318	3.9	1.2		1447	4.6	1.4
	1905	0.8	0.2		2100	0.2	0.1
3	0132	3.9	1.2	18	0308	4.1	1.2
Su	0737	0.4	0.1	M	0910	-0.2	-0.1
	1407	4.0	1.2		1548	4.6	1.4
	2004	0.8	0.2		2200	0.2	0.1
4	0219	3.8	1.2	19	0406	3.9	1.2
M	0827	0.2	0.1	Tu	1004	-0.2	-0.1
	1500	4.1	1.2		1646	4.7	1.4
	2109	0.7	0.2		2257	0.2	0.1
5	0315	3.7	1.1	20	0501	3.8	1.2
Tu	0919	0.1	0.0	W	1056	-0.1	0.0
	1558	4.3	1.3		1738	4.7	1.4
	2210	0.4	0.1		2350	0.2	0.1
6	0414	3.7	1.1	21	0555	3.8	1.2
W	1014	-0.2	-0.1	Th	1142	-0.1	0.0
	1657	4.6	1.4		1827	4.7	1.4
	2308	0.1	0.0				
7	0516	3.7	1.1	22	0035	0.1	0.0
Th	1108	-0.5	-0.2	F	0643	3.8	1.2
	1756	4.8	1.5		1228	-0.2	-0.1
					1913	4.8	1.5
8	0005	-0.2	-0.1	23	0120	0.0	0.0
F	0617	3.8	1.2	Sa	0728	3.8	1.2
	1203	-0.7	-0.2		1310	-0.2	-0.1
	1852	5.0	1.5		1955	4.8	1.5
9	0101	-0.5	-0.2	24	0200	0.0	0.0
Sa	0715	3.9	1.2	Su	0810	3.8	1.2
	1256	-0.9	-0.3		1350	-0.2	-0.1
	1949	5.2	1.6		2034	4.7	1.4
10	0153	-0.7	-0.2	25	0238	0.0	0.0
Su	0811	4.0	1.2	M	0850	3.8	1.2
	1351	-1.1	-0.3		1426	-0.1	0.0
	2043	5.3	1.6		2113	4.7	1.4
11	0247	-0.9	-0.3	26	0314	0.0	0.0
M	0906	4.2	1.3	Tu	0928	3.9	1.2
	1447	-1.1	-0.3		1502	0.0	0.0
	2136	5.3	1.6		2149	4.6	1.4
12	0340	-1.0	-0.3	27	0345	0.0	0.0
Tu	1001	4.3	1.3	W	1006	3.9	1.2
	1542	-1.0	-0.3		1536	0.2	0.1
	2230	5.2	1.6		2224	4.5	1.4
13	0433	-0.9	-0.3	28	0417	0.1	0.0
W	1056	4.4	1.3	Th	1043	4.0	1.2
	1642	-0.8	-0.2		1613	0.3	0.1
	2323	5.1	1.6		2259	4.4	1.3
14	0528	-0.8	-0.2	29	0451	0.2	0.1
Th	1153	4.5	1.4	F	1117	4.0	1.2
	1744	-0.5	-0.2		1653	0.5	0.2
					2331	4.3	1.3
15	0018	4.8	1.5	30	0525	0.3	0.1
F	0623	-0.7	-0.2	Sa	1154	4.1	1.2
	1250	4.5	1.4		1736	0.7	0.2
	1847	-0.2	-0.1				
				31	0007	4.2	1.3
				Su	0604	0.3	0.1
					1235	4.2	1.3
					1826	0.8	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0045	4.1	1.2	16	0236	4.1	1.2
M	0650	0.3	0.1	Tu	0839	0.3	0.1
	1321	4.3	1.3		1518	4.8	1.5
	1925	0.8	0.2		2135	0.7	0.2
2	0134	3.9	1.2	17	0336	4.0	1.2
Tu	0742	0.3	0.1	W	0936	0.4	0.1
	1417	4.4	1.3		1617	4.8	1.5
	2031	0.8	0.2		2232	0.7	0.2
3	0231	3.8	1.2	18	0434	3.9	1.2
W	0839	0.2	0.1	Th	1031	0.4	0.1
	1521	4.6	1.4		1713	4.8	1.5
	2140	0.7	0.2		2324	0.7	0.2
4	0338	3.8	1.2	19	0527	4.0	1.2
Th	0940	0.0	0.0	F	1121	0.4	0.1
	1628	4.7	1.4		1803	4.9	1.5
	2245	0.4	0.1				
5	0449	3.8	1.2	20	0009	0.6	0.2
F	1044	-0.2	-0.1	Sa	0617	4.0	1.2
	1736	5.0	1.5		1208	0.3	0.1
	2345	0.0	0.0		1851	4.9	1.5
6	0555	4.0	1.2	21	0054	0.4	0.1
Sa	1145	-0.5	-0.2	Su	0703	4.1	1.2
	1837	5.2	1.6		1250	0.2	0.1
					1931	5.0	1.5
7	0042	-0.3	-0.1	22	0132	0.3	0.1
Su	0657	4.2	1.3	M	0745	4.2	1.3
	1241	-0.8	-0.2		1329	0.2	0.1
	1933	5.4	1.6		2010	5.0	1.5
8	0136	-0.6	-0.2	23	0208	0.3	0.1
M	0755	4.4	1.3	Tu	0825	4.3	1.3
	1339	-1.0	-0.3		1405	0.2	0.1
	2028	5.5	1.7		2047	4.9	1.5
9	0227	-0.8	-0.2	24	0240	0.2	0.1
Tu	0849	4.6	1.4	W	0900	4.4	1.3
	1435	-1.0	-0.3		1439	0.2	0.1
	2119	5.5	1.7		2122	4.9	1.5
10	0318	-0.9	-0.3	25	0310	0.2	0.1
W	0943	4.8	1.5	Th	0937	4.5	1.4
	1530	-0.9	-0.3		1514	0.3	0.1
	2211	5.4	1.6		2154	4.8	1.5
11	0410	-0.9	-0.3	26	0342	0.3	0.1
Th	1035	4.9	1.5	F	1009	4.5	1.4
	1627	-0.7	-0.2		1547	0.5	0.2
	2301	5.2	1.6		2226	4.7	1.4
12	0459	-0.8	-0.2	27	0411	0.3	0.1
F	1128	5.0	1.5	Sa	1043	4.6	1.4
	1725	-0.4	-0.1		1625	0.6	0.2
	2352	4.9	1.5		2258	4.6	1.4
13	0552	-0.5	-0.2	28	0446	0.4	0.1
Sa	1223	4.9	1.5	Su	1119	4.7	1.4
	1826	0.0	0.0		1709	0.8	0.2
					2333	4.4	1.3
14	0045	4.6	1.4	29	0525	0.5	0.2
Su	0645	-0.2	-0.1	M	1200	4.7	1.4
	1319	4.9	1.5		1800	0.9	0.3
	1930	0.3	0.1				
15	0140	4.4	1.3	30	0012	4.3	1.3
M	0740	0.0	0.0	Tu	0613	0.6	0.2
	1418	4.8	1.5		1247	4.8	1.5
	2034	0.6	0.2		1858	1.1	0.3
				31	0101	4.2	1.3
				W	0709	0.6	0.2
					1348	4.8	1.5
					2007	1.1	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0206	4.1	1.2	16	0402	4.2	1.3
Th	0812	0.6	0.2	F	1002	1.1	0.3
	1457	4.9	1.5		1641	4.9	1.5
	2119	1.0	0.3		2253	1.2	0.4
2	0319	4.1	1.2	17	0457	4.3	1.3
F	0919	0.4	0.1	Sa	1057	1.0	0.3
	1612	5.0	1.5		1733	5.0	1.5
	2225	0.7	0.2		2342	1.0	0.3
3	0433	4.2	1.3	18	0547	4.4	1.3
Sa	1029	0.2	0.1	Su	1143	0.9	0.3
	1721	5.3	1.6		1819	5.1	1.6
	2327	0.3	0.1				
4	0543	4.4	1.3	19	0020	0.9	0.3
Su	1132	-0.1	0.0	M	0632	4.6	1.4
	1823	5.5	1.7		1225	0.7	0.2
					1900	5.2	1.6
5	0025	-0.1	0.0	20	0058	0.7	0.2
M	0643	4.7	1.4	Tu	0715	4.7	1.4
	1232	-0.4	-0.1		1304	0.6	0.2
	1918	5.6	1.7		1939	5.2	1.6
6	0115	-0.4	-0.1	21	0132	0.5	0.2
Tu	0738	5.0	1.5	W	0754	4.9	1.5
	1328	-0.6	-0.2		1340	0.5	0.2
	2010	5.7	1.7		2015	5.1	1.6
7	0205	-0.6	-0.2	22	0203	0.4	0.1
W	0830	5.3	1.6	Th	0831	5.0	1.5
	1421	-0.7	-0.2		1414	0.5	0.2
	2059	5.7	1.7		2050	5.1	1.6
8	0253	-0.7	-0.2	23	0233	0.4	0.1
Th	0921	5.4	1.6	F	0905	5.0	1.5
	1515	-0.6	-0.2		1449	0.5	0.2
	2147	5.5	1.7		2123	5.0	1.5
9	0341	-0.7	-0.2	24	0304	0.4	0.1
F	1011	5.5	1.7	Sa	0937	5.1	1.6
	1609	-0.4	-0.1		1526	0.6	0.2
	2236	5.3	1.6		2157	4.9	1.5
10	0429	-0.4	-0.1	25	0337	0.4	0.1
Sa	1101	5.5	1.7	Su	1013	5.1	1.6
	1704	0.0	0.0		1604	0.7	0.2
	2323	5.0	1.5		2230	4.7	1.4
11	0517	-0.1	0.0	26	0414	0.5	0.2
Su	1152	5.4	1.6	M	1050	5.2	1.6
	1800	0.4	0.1		1650	0.9	0.3
					2307	4.6	1.4
12	0013	4.7	1.4	27	0457	0.6	0.2
M	0608	0.2	0.1	Tu	1135	5.2	1.6
	1246	5.2	1.6		1740	1.1	0.3
	1901	0.7	0.2		2354	4.5	1.4
13	0106	4.5	1.4	28	0546	0.8	0.2
Tu	0705	0.6	0.2	W	1226	5.1	1.6
	1343	5.0	1.5		1842	1.2	0.4
	2002	1.0	0.3				
14	0203	4.3	1.3	29	0049	4.4	1.3
W	0804	0.9	0.3	Th	0645	0.9	0.3
	1443	4.9	1.5		1331	5.1	1.6
	2104	1.2	0.4		1951	1.3	0.4
15	0302	4.2	1.3	30	0156	4.3	1.3
Th	0904	1.0	0.3	F	0754	0.9	0.3
	1544	4.9	1.5		1446	5.1	1.6
	2202	1.2	0.4		2104	1.1	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0313	4.4	1.3	16	0421	4.5	1.4
Sa	0909	0.8	0.2	Su	1023	1.4	0.4
	1559	5.3	1.6		1653	5.0	1.5
	2212	0.9	0.3		2300	1.2	0.4
2	0427	4.6	1.4	17	0513	4.7	1.4
Su	1020	0.5	0.2	M	1111	1.2	0.4
	1708	5.4	1.6		1740	5.0	1.5
	2310	0.5	0.2		2340	1.0	0.3
3	0532	4.9	1.5	18	0558	4.8	1.5
M	1124	0.2	0.1	Tu	1155	1.0	0.3
	1806	5.6	1.7		1822	5.1	1.6
4	0004	0.1	0.0	19	0017	0.8	0.2
Tu	0627	5.3	1.6	W	0640	5.0	1.5
	1222	-0.1	0.0		1235	0.8	0.2
	1859	5.7	1.7		1904	5.1	1.6
5	0054	-0.2	-0.1	20	0050	0.6	0.2
W	0722	5.6	1.7	Th	0720	5.2	1.6
	1317	-0.3	-0.1		1312	0.6	0.2
	1949	5.7	1.7		1942	5.1	1.6
6	0140	-0.4	-0.1	21	0124	0.4	0.1
Th	0811	5.8	1.8	F	0758	5.3	1.6
	1408	-0.4	-0.1		1349	0.5	0.2
	2036	5.6	1.7		2018	5.0	1.5
7	0226	-0.5	-0.2	22	0156	0.3	0.1
F	0859	5.9	1.8	Sa	0834	5.4	1.6
	1458	-0.3	-0.1		1426	0.5	0.2
	2122	5.4	1.6		2054	4.9	1.5
8	0311	-0.4	-0.1	23	0231	0.3	0.1
Sa	0945	5.8	1.8	Su	0911	5.4	1.6
	1548	-0.1	0.0		1505	0.5	0.2
	2208	5.2	1.6		2131	4.8	1.5
9	0357	-0.1	0.0	24	0310	0.3	0.1
Su	1032	5.7	1.7	M	0950	5.4	1.6
	1638	0.2	0.1		1550	0.6	0.2
	2255	4.9	1.5		2210	4.7	1.4
10	0441	0.2	0.1	25	0349	0.4	0.1
M	1120	5.5	1.7	Tu	1033	5.4	1.6
	1731	0.6	0.2		1638	0.7	0.2
	2341	4.7	1.4		2253	4.6	1.4
11	0531	0.6	0.2	26	0438	0.5	0.2
Tu	1210	5.3	1.6	W	1122	5.4	1.6
	1827	1.0	0.3		1731	0.9	0.3
					2345	4.5	1.4
12	0032	4.5	1.4	27	0531	0.7	0.2
W	0624	1.0	0.3	Th	1220	5.3	1.6
	1304	5.1	1.6		1834	1.0	0.3
	1926	1.3	0.4				
13	0127	4.4	1.3	28	0047	4.4	1.3
Th	0722	1.3	0.4	F	0634	0.9	0.3
	1403	5.0	1.5		1325	5.2	1.6
	2027	1.5	0.5		1943	1.0	0.3
14	0226	4.3	1.3	29	0157	4.4	1.3
F	0827	1.4	0.4	Sa	0748	0.9	0.3
	1503	4.9	1.5		1437	5.2	1.6
	2123	1.5	0.5		2052	0.9	0.3
15	0325	4.3	1.3	30	0309	4.6	1.4
Sa	0927	1.4	0.4	Su	0904	0.8	0.2
	1600	4.9	1.5		1546	5.2	1.6
	2215	1.4	0.4		2154	0.7	0.2
				31	0417	4.8	1.5
				M	1013	0.6	0.2
					1649	5.3	1.6
					2250	0.3	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0518	5.1	1.6	16	0518	4.7	1.4
Tu	1116	0.3	0.1	W	1116	1.0	0.3
	1748	5.3	1.6		1740	4.6	1.4
	2342	0.0	0.0		2329	0.6	0.2
2	0614	5.4	1.6	17	0602	4.9	1.5
W	1211	0.0	0.0	Th	1159	0.7	0.2
	1838	5.3	1.6		1822	4.6	1.4
3	0030	-0.2	-0.1	18	0006	0.4	0.1
Th	0703	5.7	1.7	F	0645	5.1	1.6
	1304	-0.2	-0.1		1240	0.5	0.2
	1928	5.3	1.6		1904	4.6	1.4
4	0115	-0.4	-0.1	19	0045	0.1	0.0
F	0752	5.8	1.8	Sa	0727	5.2	1.6
	1352	-0.2	-0.1		1323	0.3	0.1
	2014	5.2	1.6		1945	4.6	1.4
5	0200	-0.4	-0.1	20	0123	0.0	0.0
Sa	0837	5.8	1.8	Su	0808	5.3	1.6
	1441	-0.2	-0.1		1405	0.1	0.0
	2059	5.0	1.5		2027	4.5	1.4
6	0243	-0.3	-0.1	21	0204	-0.1	0.0
Su	0923	5.7	1.7	M	0850	5.4	1.6
	1528	0.0	0.0		1450	0.1	0.0
	2143	4.8	1.5		2110	4.5	1.4
7	0327	-0.1	0.0	22	0248	-0.2	-0.1
M	1007	5.6	1.7	Tu	0936	5.4	1.6
	1614	0.2	0.1		1537	0.1	0.0
	2227	4.6	1.4		2155	4.4	1.3
8	0409	0.2	0.1	23	0334	-0.1	0.0
Tu	1053	5.4	1.6	W	1023	5.4	1.6
	1702	0.6	0.2		1630	0.2	0.1
	2311	4.4	1.3		2246	4.3	1.3
9	0454	0.6	0.2	24	0425	0.1	0.0
W	1139	5.1	1.6	Th	1115	5.3	1.6
	1752	0.9	0.3		1723	0.3	0.1
					2341	4.3	1.3
10	0000	4.3	1.3	25	0524	0.3	0.1
Th	0543	0.9	0.3	F	1215	5.1	1.6
	1229	4.9	1.5		1824	0.4	0.1
	1845	1.1	0.3				
11	0050	4.2	1.3	26	0044	4.3	1.3
F	0639	1.2	0.4	Sa	0630	0.5	0.2
	1319	4.8	1.5		1319	5.0	1.5
	1942	1.3	0.4		1930	0.4	0.1
12	0144	4.2	1.3	27	0150	4.4	1.3
Sa	0738	1.4	0.4	Su	0743	0.6	0.2
	1415	4.7	1.4		1423	4.9	1.5
	2035	1.3	0.4		2033	0.3	0.1
13	0240	4.2	1.3	28	0258	4.5	1.4
Su	0840	1.5	0.5	M	0857	0.5	0.2
	1510	4.6	1.4		1528	4.8	1.5
	2124	1.3	0.4		2133	0.2	0.1
14	0336	4.3	1.3	29	0402	4.8	1.5
M	0939	1.4	0.4	Tu	1004	0.4	0.1
	1605	4.6	1.4		1628	4.8	1.5
	2211	1.1	0.3		2228	0.0	0.0
15	0428	4.5	1.4	30	0502	5.0	1.5
Tu	1031	1.2	0.4	W	1105	0.2	0.1
	1655	4.6	1.4		1726	4.7	1.4
	2250	0.9	0.3		2318	-0.2	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0555	5.2	1.6	16	0520	4.5	1.4
Th	1158	0.0	0.0	F	1121	0.5	0.2
	1818	4.7	1.4		1738	4.0	1.2
					2324	0.0	0.0
2	0007	-0.4	-0.1	17	0609	4.7	1.4
F	0646	5.4	1.6	Sa	1211	0.2	0.1
	1251	-0.2	-0.1		1827	4.0	1.2
	1907	4.6	1.4				
3	0052	-0.5	-0.2	18	0009	-0.3	-0.1
Sa	0733	5.4	1.6	Su	0657	4.9	1.5
	1337	-0.3	-0.1		1258	-0.1	0.0
	1953	4.5	1.4		1917	4.0	1.2
4	0137	-0.5	-0.2	19	0055	-0.5	-0.2
Su	0818	5.4	1.6	M	0744	5.1	1.6
	1423	-0.3	-0.1		1345	-0.3	-0.1
	2037	4.4	1.3		2006	4.1	1.2
5	0218	-0.4	-0.1	20	0143	-0.7	-0.2
M	0900	5.3	1.6	Tu	0834	5.2	1.6
	1508	-0.2	-0.1		1434	-0.5	-0.2
	2120	4.2	1.3		2054	4.1	1.2
6	0300	-0.2	-0.1	21	0233	-0.8	-0.2
Tu	0945	5.1	1.6	W	0925	5.2	1.6
	1552	0.0	0.0		1526	-0.5	-0.2
	2203	4.1	1.2		2144	4.1	1.2
7	0341	0.0	0.0	22	0324	-0.7	-0.2
W	1027	4.9	1.5	Th	1016	5.2	1.6
	1635	0.2	0.1		1618	-0.5	-0.2
	2245	4.0	1.2		2237	4.2	1.3
8	0422	0.3	0.1	23	0418	-0.6	-0.2
Th	1109	4.8	1.5	F	1109	5.1	1.6
	1717	0.5	0.2		1712	-0.4	-0.1
	2327	3.9	1.2		2333	4.2	1.3
9	0507	0.5	0.2	24	0517	-0.4	-0.1
F	1152	4.6	1.4	Sa	1204	4.9	1.5
	1800	0.7	0.2		1809	-0.4	-0.1
10	0013	3.9	1.2	25	0034	4.2	1.3
Sa	0552	0.8	0.2	Su	0623	-0.1	0.0
	1237	4.4	1.3		1301	4.7	1.4
	1849	0.8	0.2		1909	-0.3	-0.1
11	0101	3.9	1.2	26	0135	4.3	1.3
Su	0645	1.0	0.3	M	0733	0.0	0.0
	1324	4.3	1.3		1403	4.5	1.4
	1935	0.9	0.3		2009	-0.3	-0.1
12	0151	3.9	1.2	27	0239	4.4	1.3
M	0743	1.1	0.3	Tu	0843	0.1	0.0
	1413	4.2	1.3		1505	4.3	1.3
	2022	0.8	0.2		2106	-0.3	-0.1
13	0245	4.0	1.2	28	0342	4.5	1.4
Tu	0841	1.1	0.3	W	0948	0.1	0.0
	1506	4.1	1.2		1604	4.1	1.2
	2108	0.7	0.2		2202	-0.4	-0.1
14	0335	4.2	1.3	29	0441	4.7	1.4
W	0938	1.0	0.3	Th	1049	0.0	0.0
	1557	4.0	1.2		1702	4.0	1.2
	2154	0.5	0.2		2256	-0.4	-0.1
15	0428	4.3	1.3	30	0537	4.8	1.5
Th	1031	0.8	0.2	F	1145	-0.2	-0.1
	1649	4.0	1.2		1757	4.0	1.2
	2239	0.3	0.1		2345	-0.5	-0.2
				31	0628	4.8	1.5
				Sa	1234	-0.3	-0.1
					1848	3.9	1.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0309	-0.8	-0.2	16	0312	-0.3	-0.1
Sa	0934	3.0	0.9	Su	0936	2.3	0.7
	1544	-0.4	-0.1		1543	0.0	0.0
	2147	2.8	0.9		2139	2.1	0.6
2	0403	-0.7	-0.2	17	0351	-0.2	-0.1
Su	1026	2.9	0.9	M	1011	2.3	0.7
	1637	-0.3	-0.1		1621	0.0	0.0
	2244	2.7	0.8		2220	2.0	0.6
3	0458	-0.5	-0.2	18	0429	-0.2	-0.1
M	1119	2.8	0.9	Tu	1047	2.2	0.7
	1735	-0.3	-0.1		1658	0.0	0.0
	2342	2.5	0.8		2303	2.0	0.6
4	0555	-0.3	-0.1	19	0511	-0.1	0.0
Tu	1215	2.6	0.8	W	1125	2.1	0.6
	1831	-0.2	-0.1		1739	0.0	0.0
					2348	2.0	0.6
5	0046	2.4	0.7	20	0554	0.0	0.0
W	0655	-0.1	0.0	Th	1207	2.0	0.6
	1310	2.4	0.7		1825	-0.1	0.0
	1932	-0.2	-0.1				
6	0149	2.3	0.7	21	0043	2.0	0.6
Th	0759	0.0	0.0	F	0647	0.1	0.0
	1409	2.3	0.7		1255	2.0	0.6
	2032	-0.2	-0.1		1916	-0.1	0.0
7	0255	2.2	0.7	22	0139	2.0	0.6
F	0903	0.2	0.1	Sa	0745	0.2	0.1
	1508	2.2	0.7		1348	2.0	0.6
	2130	-0.2	-0.1		2015	-0.2	-0.1
8	0357	2.2	0.7	23	0244	2.0	0.6
Sa	1004	0.2	0.1	Su	0848	0.2	0.1
	1603	2.1	0.6		1449	2.0	0.6
	2225	-0.2	-0.1		2116	-0.4	-0.1
9	0454	2.2	0.7	24	0348	2.2	0.7
Su	1059	0.2	0.1	M	0953	0.1	0.0
	1656	2.1	0.6		1553	2.1	0.6
	2314	-0.2	-0.1		2219	-0.5	-0.2
10	0542	2.3	0.7	25	0451	2.3	0.7
M	1151	0.2	0.1	Tu	1056	0.0	0.0
	1741	2.1	0.6		1654	2.2	0.7
					2318	-0.7	-0.2
11	0000	-0.3	-0.1	26	0549	2.5	0.8
Tu	0628	2.3	0.7	W	1155	-0.2	-0.1
	1233	0.2	0.1		1755	2.4	0.7
	1824	2.1	0.6				
12	0042	-0.3	-0.1	27	0016	-0.8	-0.2
W	0709	2.3	0.7	Th	0645	2.6	0.8
	1315	0.1	0.0		1251	-0.4	-0.1
	1904	2.1	0.6		1853	2.5	0.8
13	0120	-0.3	-0.1	28	0111	-1.0	-0.3
Th	0747	2.4	0.7	F	0736	2.8	0.9
	1354	0.1	0.0		1345	-0.5	-0.2
	1944	2.1	0.6		1946	2.6	0.8
14	0158	-0.4	-0.1	29	0204	-1.0	-0.3
F	0824	2.4	0.7	Sa	0827	2.8	0.9
	1431	0.1	0.0		1437	-0.7	-0.2
	2023	2.1	0.6		2041	2.7	0.8
15	0235	-0.3	-0.1	30	0256	-1.0	-0.3
Sa	0901	2.4	0.7	Su	0917	2.8	0.9
	1507	0.0	0.0		1528	-0.7	-0.2
	2102	2.1	0.6		2134	2.7	0.8
				31	0348	-0.9	-0.3
				M	1006	2.7	0.8
					1618	-0.7	-0.2
					2228	2.6	0.8

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0440	-0.7	-0.2	16	0405	-0.3	-0.1
Tu	1055	2.6	0.8	W	1016	2.2	0.7
	1709	-0.6	-0.2		1624	-0.3	-0.1
	2321	2.5	0.8		2237	2.1	0.6
2	0532	-0.5	-0.2	17	0445	-0.2	-0.1
W	1144	2.4	0.7	Th	1052	2.1	0.6
	1802	-0.5	-0.2		1706	-0.3	-0.1
					2322	2.1	0.6
3	0017	2.3	0.7	18	0527	-0.1	0.0
Th	0625	-0.3	-0.1	F	1132	2.1	0.6
	1235	2.2	0.7		1751	-0.3	-0.1
	1855	-0.4	-0.1				
4	0116	2.1	0.6	19	0011	2.1	0.6
F	0724	-0.1	0.0	Sa	0617	0.0	0.0
	1329	2.0	0.6		1219	2.0	0.6
	1952	-0.3	-0.1		1841	-0.3	-0.1
5	0217	2.0	0.6	20	0109	2.0	0.6
Sa	0824	0.1	0.0	Su	0713	0.1	0.0
	1426	1.9	0.6		1315	2.0	0.6
	2049	-0.2	-0.1		1942	-0.3	-0.1
6	0321	1.9	0.6	21	0215	2.0	0.6
Su	0926	0.2	0.1	M	0819	0.1	0.0
	1524	1.8	0.5		1419	2.0	0.6
	2148	-0.2	-0.1		2048	-0.4	-0.1
7	0420	1.9	0.6	22	0324	2.1	0.6
M	1030	0.2	0.1	Tu	0929	0.1	0.0
	1619	1.8	0.5		1530	2.0	0.6
	2243	-0.2	-0.1		2158	-0.5	-0.2
8	0515	2.0	0.6	23	0430	2.2	0.7
Tu	1123	0.2	0.1	W	1038	0.0	0.0
	1712	1.8	0.5		1639	2.2	0.7
	2333	-0.2	-0.1		2304	-0.6	-0.2
9	0603	2.0	0.6	24	0533	2.4	0.7
W	1210	0.1	0.0	Th	1141	-0.2	-0.1
	1800	1.8	0.5		1742	2.3	0.7
10	0017	-0.3	-0.1	25	0003	-0.8	-0.2
Th	0645	2.1	0.6	F	0629	2.6	0.8
	1251	0.1	0.0		1237	-0.4	-0.1
	1845	1.9	0.6		1842	2.5	0.8
11	0058	-0.4	-0.1	26	0059	-0.9	-0.3
F	0722	2.2	0.7	Sa	0719	2.7	0.8
	1330	0.0	0.0		1329	-0.6	-0.2
	1925	2.0	0.6		1936	2.7	0.8
12	0136	-0.4	-0.1	27	0152	-0.9	-0.3
Sa	0759	2.2	0.7	Su	0808	2.8	0.9
	1406	-0.1	0.0		1418	-0.8	-0.2
	2004	2.1	0.6		2028	2.8	0.9
13	0215	-0.4	-0.1	28	0241	-0.9	-0.3
Su	0834	2.3	0.7	M	0855	2.8	0.9
	1442	-0.2	-0.1		1507	-0.8	-0.2
	2041	2.1	0.6		2118	2.8	0.9
14	0251	-0.4	-0.1				
M	0909	2.3	0.7				
	1516	-0.3	-0.1				
	2119	2.1	0.6				
15	0329	-0.4	-0.1				
Tu	0941	2.2	0.7				
	1551	-0.3	-0.1				
	2157	2.2	0.7				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0330	-0.8	-0.2	16	0304	-0.3	-0.1
Tu	0941	2.7	0.8	W	0911	2.4	0.7
	1554	-0.8	-0.2		1520	-0.4	-0.1
	2208	2.7	0.8		2134	2.4	0.7
2	0418	-0.6	-0.2	17	0343	-0.2	-0.1
W	1026	2.6	0.8	Th	0945	2.3	0.7
	1640	-0.7	-0.2		1557	-0.4	-0.1
	2256	2.5	0.8		2215	2.4	0.7
3	0506	-0.4	-0.1	18	0421	-0.2	-0.1
Th	1111	2.4	0.7	F	1023	2.3	0.7
	1727	-0.6	-0.2		1639	-0.4	-0.1
	2346	2.4	0.7		2300	2.4	0.7
4	0554	-0.2	-0.1	19	0506	0.0	0.0
F	1159	2.2	0.7	Sa	1106	2.2	0.7
	1817	-0.4	-0.1		1725	-0.4	-0.1
					2348	2.3	0.7
5	0041	2.2	0.7	20	0554	0.1	0.0
Sa	0647	0.0	0.0	Su	1154	2.2	0.7
	1246	2.0	0.6		1817	-0.3	-0.1
	1908	-0.2	-0.1				
6	0138	2.0	0.6	21	0047	2.2	0.7
Su	0742	0.2	0.1	M	0654	0.2	0.1
	1342	1.8	0.5		1254	2.1	0.6
	2005	-0.1	0.0		1921	-0.2	-0.1
7	0238	1.9	0.6	22	0153	2.2	0.7
M	0847	0.4	0.1	Tu	0802	0.2	0.1
	1442	1.7	0.5		1403	2.1	0.6
	2105	0.0	0.0		2031	-0.2	-0.1
8	0341	1.9	0.6	23	0305	2.2	0.7
Tu	0950	0.4	0.1	W	0915	0.2	0.1
	1546	1.7	0.5		1519	2.1	0.6
	2206	0.0	0.0		2144	-0.3	-0.1
9	0441	1.9	0.6	24	0414	2.3	0.7
W	1049	0.3	0.1	Th	1025	0.0	0.0
	1643	1.8	0.5		1630	2.3	0.7
	2302	0.0	0.0		2252	-0.4	-0.1
10	0531	2.0	0.6	25	0516	2.4	0.7
Th	1138	0.2	0.1	F	1126	-0.2	-0.1
	1736	1.9	0.6		1736	2.5	0.8
	2350	-0.1	0.0		2352	-0.5	-0.2
11	0613	2.1	0.6	26	0611	2.6	0.8
F	1224	0.1	0.0	Sa	1221	-0.4	-0.1
	1821	2.0	0.6		1832	2.7	0.8
12	0034	-0.2	-0.1	27	0045	-0.6	-0.2
Sa	0653	2.2	0.7	Su	0701	2.7	0.8
	1301	0.0	0.0		1311	-0.6	-0.2
	1903	2.1	0.6		1923	2.8	0.9
13	0112	-0.3	-0.1	28	0135	-0.6	-0.2
Su	0730	2.3	0.7	M	0746	2.8	0.9
	1336	-0.2	-0.1		1357	-0.7	-0.2
	1941	2.3	0.7		2012	2.9	0.9
14	0151	-0.3	-0.1	29	0224	-0.6	-0.2
M	0802	2.3	0.7	Tu	0830	2.8	0.9
	1411	-0.3	-0.1		1443	-0.7	-0.2
	2018	2.4	0.7		2058	2.9	0.9
15	0228	-0.3	-0.1	30	0307	-0.5	-0.2
Tu	0836	2.4	0.7	W	0912	2.7	0.8
	1445	-0.4	-0.1		1526	-0.7	-0.2
	2057	2.4	0.7		2144	2.8	0.9
				31	0352	-0.4	-0.1
				Th	0955	2.6	0.8
					1610	-0.6	-0.2
					2229	2.7	0.8

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0437	-0.2	-0.1	16 Sa	0402	-0.1	0.0
	1037	2.4	0.7		1000	2.5	0.8
	1653	-0.4	-0.1		1616	-0.5	-0.2
	2314	2.5	0.8		2242	2.6	0.8
2 Sa	0521	0.0	0.0	17 Su	0449	0.0	0.0
	1121	2.2	0.7		1047	2.4	0.7
	1738	-0.2	-0.1		1706	-0.4	-0.1
					2334	2.5	0.8
3 Su	0003	2.3	0.7	18 M	0542	0.1	0.0
	0610	0.2	0.1		1142	2.3	0.7
	1207	2.0	0.6		1802	-0.2	-0.1
	1825	0.0	0.0				
4 M	0054	2.1	0.6	19 Tu	0033	2.4	0.7
	0703	0.4	0.1		0644	0.2	0.1
	1300	1.9	0.6		1244	2.2	0.7
	1921	0.1	0.0		1908	-0.1	0.0
5 Tu	0153	2.0	0.6	20 W	0140	2.4	0.7
	0805	0.5	0.2		0753	0.2	0.1
	1402	1.8	0.5		1358	2.2	0.7
	2022	0.2	0.1		2019	-0.1	0.0
6 W	0256	2.0	0.6	21 Th	0249	2.3	0.7
	0911	0.5	0.2		0905	0.2	0.1
	1507	1.8	0.5		1513	2.3	0.7
	2126	0.3	0.1		2132	-0.1	0.0
7 Th	0356	2.0	0.6	22 F	0356	2.4	0.7
	1009	0.4	0.1		1011	0.0	0.0
	1611	1.9	0.6		1622	2.4	0.7
	2225	0.2	0.1		2238	-0.1	0.0
8 F	0448	2.1	0.6	23 Sa	0456	2.5	0.8
	1102	0.3	0.1		1110	-0.2	-0.1
	1704	2.0	0.6		1723	2.6	0.8
	2315	0.1	0.0		2337	-0.2	-0.1
9 Sa	0533	2.2	0.7	24 Su	0549	2.6	0.8
	1144	0.2	0.1		1203	-0.4	-0.1
	1751	2.2	0.7		1818	2.7	0.8
10 Su	0000	0.0	0.0	25 M	0029	-0.3	-0.1
	0613	2.3	0.7		0637	2.7	0.8
	1223	0.0	0.0		1250	-0.5	-0.2
	1832	2.3	0.7		1907	2.9	0.9
11 M	0042	-0.1	0.0	26 Tu	0118	-0.3	-0.1
	0651	2.4	0.7		0722	2.7	0.8
	1301	-0.2	-0.1		1333	-0.6	-0.2
	1914	2.5	0.8		1954	2.9	0.9
12 Tu	0123	-0.1	0.0	27 W	0201	-0.3	-0.1
	0727	2.5	0.8		0804	2.7	0.8
	1337	-0.3	-0.1		1415	-0.6	-0.2
	1952	2.6	0.8		2038	2.9	0.9
13 W	0200	-0.2	-0.1	28 Th	0245	-0.2	-0.1
	0802	2.5	0.8		0845	2.6	0.8
	1414	-0.4	-0.1		1458	-0.5	-0.2
	2032	2.7	0.8		2119	2.8	0.9
14 Th	0239	-0.2	-0.1	29 F	0327	-0.1	0.0
	0841	2.5	0.8		0924	2.5	0.8
	1451	-0.5	-0.2		1538	-0.4	-0.1
	2112	2.7	0.8		2201	2.7	0.8
15 F	0320	-0.1	0.0	30 Sa	0408	0.1	0.0
	0918	2.5	0.8		1005	2.4	0.7
	1532	-0.5	-0.2		1618	-0.3	-0.1
	2155	2.7	0.8		2244	2.5	0.8

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0452	0.2	0.1	16 M	0437	0.0	0.0
	1047	2.2	0.7		1035	2.5	0.8
	1701	-0.1	0.0		1655	-0.4	-0.1
	2329	2.4	0.7		2322	2.7	0.8
2 M	0538	0.3	0.1	17 Tu	0534	0.0	0.0
	1132	2.1	0.6		1135	2.4	0.7
	1747	0.1	0.0		1754	-0.3	-0.1
3 Tu	0015	2.2	0.7	18 W	0023	2.5	0.8
	0628	0.5	0.2		0635	0.1	0.0
	1225	1.9	0.6		1239	2.3	0.7
	1839	0.2	0.1		1900	-0.2	-0.1
4 W	0110	2.1	0.6	19 Th	0124	2.5	0.8
	0726	0.5	0.2		0741	0.1	0.0
	1322	1.8	0.5		1352	2.3	0.7
	1938	0.3	0.1		2009	-0.1	0.0
5 Th	0207	2.1	0.6	20 F	0230	2.4	0.7
	0825	0.5	0.2		0850	0.0	0.0
	1427	1.8	0.5		1503	2.3	0.7
	2039	0.4	0.1		2118	0.0	0.0
6 F	0305	2.1	0.6	21 Sa	0334	2.4	0.7
	0924	0.4	0.1		0953	-0.1	0.0
	1529	1.9	0.6		1609	2.4	0.7
	2140	0.3	0.1		2220	0.0	0.0
7 Sa	0358	2.1	0.6	22 Su	0431	2.5	0.8
	1014	0.3	0.1		1048	-0.3	-0.1
	1625	2.1	0.6		1708	2.6	0.8
	2235	0.3	0.1		2318	-0.1	0.0
8 Su	0446	2.2	0.7	23 M	0523	2.5	0.8
	1059	0.1	0.0		1140	-0.4	-0.1
	1713	2.2	0.7		1803	2.7	0.8
	2321	0.2	0.1				
9 M	0528	2.3	0.7	24 Tu	0011	-0.1	0.0
	1141	-0.1	0.0		0611	2.5	0.8
	1758	2.4	0.7		1226	-0.5	-0.2
					1850	2.7	0.8
10 Tu	0007	0.1	0.0	25 W	0057	-0.1	0.0
	0608	2.4	0.7		0654	2.5	0.8
	1221	-0.2	-0.1		1311	-0.5	-0.2
	1842	2.6	0.8		1934	2.7	0.8
11 W	0049	0.0	0.0	26 Th	0141	-0.1	0.0
	0650	2.5	0.8		0736	2.5	0.8
	1303	-0.4	-0.1		1351	-0.5	-0.2
	1926	2.8	0.9		2016	2.7	0.8
12 Th	0131	-0.1	0.0	27 F	0222	0.0	0.0
	0730	2.6	0.8		0816	2.4	0.7
	1344	-0.5	-0.2		1431	-0.5	-0.2
	2007	2.8	0.9		2057	2.7	0.8
13 F	0214	-0.1	0.0	28 Sa	0303	0.0	0.0
	0812	2.6	0.8		0856	2.3	0.7
	1427	-0.6	-0.2		1510	-0.4	-0.1
	2051	2.9	0.9		2136	2.6	0.8
14 Sa	0259	-0.1	0.0	29 Su	0344	0.1	0.0
	0856	2.6	0.8		0936	2.2	0.7
	1512	-0.6	-0.2		1549	-0.2	-0.1
	2139	2.9	0.9		2216	2.5	0.8
15 Su	0347	-0.1	0.0	30 M	0426	0.2	0.1
	0944	2.6	0.8		1016	2.1	0.6
	1600	-0.6	-0.2		1631	-0.1	0.0
	2229	2.8	0.9		2258	2.3	0.7
				31 Tu	0509	0.3	0.1
					1102	2.0	0.6
					1714	0.0	0.0
					2343	2.2	0.7

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0554	0.4	0.1	16 Th	0007	2.6	0.8
	1151	1.9	0.6		0623	-0.2	-0.1
	1802	0.2	0.1		1231	2.4	0.7
					1846	-0.3	-0.1
2 Th	0030	2.1	0.6	17 F	0105	2.5	0.8
	0646	0.4	0.1		0724	-0.2	-0.1
	1247	1.9	0.6		1338	2.3	0.7
	1855	0.3	0.1		1952	-0.1	0.0
3 F	0121	2.1	0.6	18 Sa	0208	2.4	0.7
	0739	0.4	0.1		0827	-0.2	-0.1
	1344	1.9	0.6		1447	2.3	0.7
	1953	0.3	0.1		2056	0.0	0.0
4 Sa	0211	2.0	0.6	19 Su	0306	2.3	0.7
	0832	0.3	0.1		0927	-0.3	-0.1
	1444	1.9	0.6		1550	2.4	0.7
	2051	0.3	0.1		2158	0.0	0.0
5 Su	0303	2.0	0.6	20 M	0403	2.3	0.7
	0924	0.2	0.1		1023	-0.3	-0.1
	1542	2.0	0.6		1648	2.4	0.7
	2147	0.3	0.1		2256	0.0	0.0
6 M	0351	2.1	0.6	21 Tu	0457	2.3	0.7
	1011	0.0	0.0		1115	-0.4	-0.1
	1635	2.2	0.7		1741	2.5	0.8
	2239	0.2	0.1		2348	0.0	0.0
7 Tu	0441	2.2	0.7	22 W	0544	2.3	0.7
	1100	-0.2	-0.1		1203	-0.4	-0.1
	1724	2.4	0.7		1829	2.5	0.8
	2328	0.1	0.0				
8 W	0526	2.3	0.7	23 Th	0037	0.1	0.0
	1144	-0.4	-0.1		0629	2.3	0.7
	1811	2.6	0.8		1248	-0.4	-0.1
					1914	2.5	0.8
9 Th	0016	0.0	0.0	24 F	0119	0.1	0.0
	0613	2.4	0.7		0711	2.2	0.7
	1232	-0.6	-0.2		1327	-0.4	-0.1
	1858	2.7	0.8		1954	2.5	0.8
10 F	0105	-0.1	0.0	25 Sa	0159	0.1	0.0
	0701	2.5	0.8		0752	2.2	0.7
	1319	-0.7	-0.2		1406	-0.4	-0.1
	1946	2.8	0.9		2034	2.5	0.8
11 Sa	0152	-0.2	-0.1	26 Su	0241	0.1	0.0
	0749	2.6	0.8		0833	2.2	0.7
	1406	-0.8	-0.2		1447	-0.3	-0.1
	2034	2.9	0.9		2111	2.4	0.7
12 Su	0243	-0.2	-0.1	27 M	0320	0.1	0.0
	0838	2.6	0.8		0911	2.1	0.6
	1456	-0.8	-0.2		1525	-0.3	-0.1
	2124	2.9	0.9		2151	2.4	0.7
13 M	0333	-0.2	-0.1	28 Tu	0400	0.1	0.0
	0931	2.6	0.8		0952	2.1	0.6
	1549	-0.7	-0.2		1605	-0.2	-0.1
	2215	2.8	0.9		2229	2.3	0.7
14 Tu	0426	-0.2	-0.1	29 W	0440	0.2	0.1
	1026	2.5	0.8		1037	2.0	0.6
	1644	-0.6	-0.2		1645	-0.1	0.0
	2309	2.7	0.8		2309	2.2	0.7
15 W	0522	-0.2	-0.1	30 Th	0522	0.2	0.1
	1127	2.4	0.7		1121	1.9	0.6
	1743	-0.4	-0.1		1730	0.1	0.0
					2351	2.1	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0607	0.2	0.1	16 Sa	0040	2.5	0.8
	1210	1.9	0.6		0659	-0.3	-0.1
	1817	0.2	0.1		1316	2.4	0.7
					1927	-0.1	0.0
2 Sa	0035	2.1	0.6	17 Su	0138	2.4	0.7
	0653	0.2	0.1		0759	-0.3	-0.1
	1303	1.9	0.6		1422	2.3	0.7
	1905	0.2	0.1		2030	0.1	0.0
3 Su	0121	2.0	0.6	18 M	0235	2.3	0.7
	0740	0.1	0.0		0859	-0.2	-0.1
	1358	2.0	0.6		1526	2.3	0.7
	2003	0.3	0.1		2132	0.2	0.1
4 M	0210	2.0	0.6	19 Tu	0334	2.2	0.7
	0833	0.0	0.0		0956	-0.2	-0.1
	1457	2.0	0.6		1626	2.3	0.7
	2100	0.3	0.1		2231	0.2	0.1
5 Tu	0303	2.1	0.6	20 W	0427	2.1	0.6
	0926	-0.1	0.0		1050	-0.2	-0.1
	1554	2.2	0.7		1720	2.3	0.7
	2158	0.2	0.1		2326	0.2	0.1
6 W	0356	2.1	0.6	21 Th	0520	2.1	0.6
	1019	-0.3	-0.1		1141	-0.2	-0.1
	1649	2.3	0.7		1809	2.4	0.7
	2254	0.1	0.0				
7 Th	0450	2.3	0.7	22 F	0014	0.2	0.1
	1112	-0.5	-0.2		0608	2.1	0.6
	1742	2.5	0.8		1226	-0.3	-0.1
	2349	0.0	0.0		1853	2.4	0.7
8 F	0545	2.4	0.7	23 Sa	0058	0.2	0.1
	1205	-0.6	-0.2		0650	2.2	0.7
	1835	2.7	0.8		1307	-0.3	-0.1
					1935	2.4	0.7
9 Sa	0040	-0.1	0.0	24 Su	0140	0.2	0.1
	0638	2.5	0.8		0732	2.2	0.7
	1258	-0.8	-0.2		1346	-0.3	-0.1
	1925	2.8	0.9		2012	2.4	0.7
10 Su	0131	-0.3	-0.1	25 M	0218	0.1	0.0
	0730	2.6	0.8		0812	2.2	0.7
	1350	-0.8	-0.2		1425	-0.2	-0.1
	2017	2.9	0.9		2048	2.4	0.7
11 M	0224	-0.4	-0.1	26 Tu	0254	0.1	0.0
	0825	2.7	0.8		0851	2.2	0.7
	1444	-0.9	-0.3		1502	-0.2	-0.1
	2107	2.9	0.9		2123	2.4	0.7
12 Tu	0317	-0.4	-0.1	27 W	0333	0.1	0.0
	0920	2.7	0.8		0931	2.2	0.7
	1535	-0.8	-0.2		1541	-0.1	0.0
	2200	2.9	0.9		2200	2.4	0.7
13 W	0410	-0.4	-0.1	28 Th	0408	0.1	0.0
	1016	2.7	0.8		1010	2.2	0.7
	1632	-0.7	-0.2		1618	0.0	0.0
	2252	2.8	0.9		2234	2.3	0.7
14 Th	0506	-0.4	-0.1	29 F	0447	0.1	0.0
	1114	2.6	0.8		1051	2.2	0.7
	1727	-0.5	-0.2		1658	0.1	0.0
	2346	2.7	0.8		2311	2.2	0.7
15 F	0602	-0.4	-0.1	30 Sa	0524	0.1	0.0
	1215	2.5	0.8		1137	2.1	0.6
	1827	-0.3	-0.1		1742	0.2	0.1
					2351	2.2	0.7
				31 Su	0607	0.1	0.0
					1223	2.1	0.6
					1828	0.3	0.1

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0033	2.1	0.6	16 Tu	0201	2.3	0.7
	0656	0.1	0.0		0825	0.0	0.0
	1315	2.1	0.6		1455	2.4	0.7
	1920	0.4	0.1		2101	0.5	0.2
2 Tu	0124	2.1	0.6	17 W	0302	2.2	0.7
	0748	0.0	0.0		0925	0.1	0.0
	1416	2.2	0.7		1558	2.3	0.7
	2019	0.4	0.1		2206	0.5	0.2
3 W	0220	2.1	0.6	18 Th	0402	2.2	0.7
	0847	-0.1	0.0		1021	0.1	0.0
	1519	2.3	0.7		1656	2.4	0.7
	2124	0.4	0.1		2302	0.5	0.2
4 Th	0319	2.2	0.7	19 F	0456	2.2	0.7
	0948	-0.2	-0.1		1115	0.1	0.0
	1620	2.4	0.7		1745	2.4	0.7
	2225	0.3	0.1		2352	0.5	0.2
5 F	0424	2.3	0.7	20 Sa	0547	2.2	0.7
	1048	-0.3	-0.1		1202	0.1	0.0
	1720	2.6	0.8		1830	2.5	0.8
	2324	0.1	0.0				
6 Sa	0523	2.5	0.8	21 Su	0035	0.4	0.1
	1147	-0.5	-0.2		0630	2.3	0.7
	1814	2.8	0.9		1245	0.0	0.0
					1907	2.5	0.8
7 Su	0021	0.0	0.0	22 M	0115	0.3	0.1
	0622	2.7	0.8		0711	2.4	0.7
	1242	-0.6	-0.2		1325	0.0	0.0
	1907	2.9	0.9		1944	2.6	0.8
8 M	0115	-0.2	-0.1	23 Tu	0152	0.3	0.1
	0719	2.8	0.9		0751	2.5	0.8
	1337	-0.7	-0.2		1402	0.0	0.0
	1959	3.0	0.9		2020	2.6	0.8
9 Tu	0207	-0.4	-0.1	24 W	0227	0.2	0.1
	0813	2.9	0.9		0828	2.5	0.8
	1429	-0.7	-0.2		1438	0.0	0.0
	2049	3.1	0.9		2054	2.6	0.8
10 W	0259	-0.5	-0.2	25 Th	0301	0.2	0.1
	0907	3.0	0.9		0905	2.6	0.8
	1522	-0.7	-0.2		1514	0.1	0.0
	2139	3.0	0.9		2126	2.6	0.8
11 Th	0350	-0.5	-0.2	26 F	0335	0.1	0.0
	1000	3.0	0.9		0943	2.6	0.8
	1613	-0.5	-0.2		1549	0.2	0.1
	2229	3.0	0.9		2200	2.6	0.8
12 F	0442	-0.4	-0.1	27 Sa	0410	0.1	0.0
	1055	2.9	0.9		1021	2.6	0.8
	1706	-0.3	-0.1		1628	0.3	0.1
	2319	2.8	0.9		2235	2.5	0.8
13 Sa	0535	-0.4	-0.1	28 Su	0446	0.1	0.0
	1151	2.7	0.8		1103	2.5	0.8
	1801	-0.1	0.0		1707	0.4	0.1
					2311	2.5	0.8
14 Su	0010	2.6	0.8	29 M	0527	0.2	0.1
	0628	-0.2	-0.1		1151	2.5	0.8
	1251	2.6	0.8		1754	0.5	0.2
	1857	0.1	0.0		2354	2.4	0.7
15 M	0105	2.5	0.8	30 Tu	0617	0.2	0.1
	0725	-0.1	0.0		1241	2.5	0.8
	1352	2.5	0.8		1846	0.6	0.2
	1959	0.3	0.1				
				31 W	0046	2.4	0.7
					0712	0.2	0.1
					1345	2.5	0.8
					1949	0.7	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0149	2.4	0.7	16 F	0331	2.3	0.7
	0817	0.2	0.1		0951	0.6	0.2
	1451	2.5	0.8		1623	2.5	0.8
	2055	0.6	0.2		2233	0.8	0.2
2 F	0257	2.4	0.7	17 Sa	0433	2.4	0.7
	0924	0.1	0.0		1048	0.5	0.2
	1557	2.6	0.8		1713	2.6	0.8
	2204	0.5	0.2		2324	0.8	0.2
3 Sa	0406	2.6	0.8	18 Su	0523	2.5	0.8
	1030	0.0	0.0		1136	0.5	0.2
	1659	2.8	0.9		1800	2.7	0.8
	2307	0.3	0.1				
4 Su	0512	2.8	0.9	19 M	0008	0.6	0.2
	1133	-0.2	-0.1		0608	2.6	0.8
	1757	3.0	0.9		1219	0.4	0.1
					1837	2.8	0.9
5 M	0004	0.1	0.0	20 Tu	0045	0.5	0.2
	0611	3.0	0.9		0648	2.7	0.8
	1229	-0.3	-0.1		1258	0.4	0.1
	1850	3.1	0.9		1911	2.8	0.9
6 Tu	0058	-0.1	0.0	21 W	0120	0.4	0.1
	0707	3.2	1.0		0727	2.8	0.9
	1322	-0.4	-0.1		1335	0.3	0.1
	1939	3.3	1.0		1946	2.9	0.9
7 W	0148	-0.3	-0.1	22 Th	0154	0.3	0.1
	0759	3.3	1.0		0804	2.9	0.9
	1414	-0.4	-0.1		1412	0.3	0.1
	2027	3.3	1.0		2020	2.9	0.9
8 Th	0239	-0.3	-0.1	23 F	0228	0.3	0.1
	0851	3.4	1.0		0839	3.0	0.9
	1504	-0.3	-0.1		1448	0.4	0.1
	2115	3.3	1.0		2052	2.9	0.9
9 F	0326	-0.4	-0.1	24 Sa	0301	0.2	0.1
	0941	3.3	1.0		0916	3.0	0.9
	1552	-0.2	-0.1		1524	0.4	0.1
	2200	3.2	1.0		2124	2.9	0.9
10 Sa	0415	-0.3	-0.1	25 Su	0338	0.2	0.1
	1032	3.2	1.0		0956	3.0	0.9
	1641	0.0	0.0		1601	0.5	0.2
	2247	3.0	0.9		2200	2.8	0.9
11 Su	0503	-0.1	0.0	26 M	0415	0.2	0.1
	1125	3.0	0.9		1036	2.9	0.9
	1732	0.3	0.1		1642	0.6	0.2
	2335	2.8	0.9		2239	2.8	0.9
12 M	0554	0.0	0.0	27 Tu	0457	0.3	0.1
	1218	2.8	0.9		1124	2.9	0.9
	1827	0.5	0.2		1729	0.7	0.2
					2325	2.7	0.8
13 Tu	0027	2.6	0.8	28 W	0548	0.4	0.1
	0649	0.2	0.1		1217	2.8	0.9
	1317	2.7	0.8		1823	0.8	0.2
	1926	0.7	0.2				
14 W	0125	2.5	0.8	29 Th	0023	2.6	0.8
	0746	0.4	0.1		0647	0.4	0.1
	1418	2.6	0.8		1320	2.7	0.8
	2028	0.8	0.2		1929	0.9	0.3
15 Th	0227	2.3	0.7	30 F	0129	2.6	0.8
	0850	0.5	0.2		0757	0.5	0.2
	1523	2.5	0.8		1429	2.8	0.9
	2137	0.9	0.3		2039	0.8	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0244	2.7	0.8	16	0358	2.5	0.8
Sa	0908	0.4	0.1	Su	1012	0.8	0.2
	1537	2.9	0.9		1635	2.7	0.8
	2150	0.7	0.2		2248	0.9	0.3
2	0357	2.8	0.9	17	0454	2.6	0.8
Su	1019	0.3	0.1	M	1104	0.8	0.2
	1641	3.0	0.9		1720	2.8	0.9
	2253	0.5	0.2		2331	0.7	0.2
3	0502	3.0	0.9	18	0539	2.8	0.9
M	1121	0.2	0.1	Tu	1147	0.7	0.2
	1737	3.2	1.0		1757	2.9	0.9
	2349	0.2	0.1				
4	0600	3.3	1.0	19	0010	0.6	0.2
Tu	1216	0.1	0.0	W	0621	2.9	0.9
	1829	3.3	1.0		1229	0.6	0.2
					1834	2.9	0.9
5	0040	0.0	0.0	20	0045	0.4	0.1
W	0654	3.5	1.1	Th	0658	3.1	0.9
	1307	0.0	0.0		1306	0.5	0.2
	1917	3.4	1.0		1909	3.0	0.9
6	0129	-0.1	0.0	21	0120	0.3	0.1
Th	0744	3.6	1.1	F	0736	3.2	1.0
	1356	0.0	0.0		1343	0.5	0.2
	2002	3.5	1.1		1945	3.0	0.9
7	0215	-0.2	-0.1	22	0155	0.2	0.1
F	0833	3.6	1.1	Sa	0813	3.2	1.0
	1443	0.0	0.0		1419	0.5	0.2
	2048	3.4	1.0		2018	3.1	0.9
8	0301	-0.2	-0.1	23	0231	0.2	0.1
Sa	0920	3.5	1.1	Su	0852	3.3	1.0
	1529	0.2	0.1		1459	0.5	0.2
	2131	3.3	1.0		2055	3.0	0.9
9	0347	-0.1	0.0	24	0309	0.1	0.0
Su	1008	3.4	1.0	M	0931	3.2	1.0
	1616	0.4	0.1		1539	0.6	0.2
	2216	3.1	0.9		2134	3.0	0.9
10	0432	0.1	0.0	25	0351	0.2	0.1
M	1053	3.2	1.0	Tu	1017	3.2	1.0
	1703	0.6	0.2		1622	0.7	0.2
	2302	2.9	0.9		2218	2.9	0.9
11	0519	0.3	0.1	26	0436	0.3	0.1
Tu	1146	3.0	0.9	W	1106	3.1	0.9
	1754	0.8	0.2		1711	0.8	0.2
	2351	2.7	0.8		2308	2.8	0.9
12	0610	0.5	0.2	27	0530	0.4	0.1
W	1239	2.8	0.9	Th	1159	3.0	0.9
	1851	1.0	0.3		1810	0.8	0.2
13	0047	2.5	0.8	28	0010	2.8	0.9
Th	0707	0.7	0.2	F	0631	0.5	0.2
	1339	2.7	0.8		1303	2.9	0.9
	1953	1.1	0.3		1916	0.8	0.2
14	0150	2.4	0.7	29	0120	2.7	0.8
F	0811	0.8	0.2	Sa	0742	0.5	0.2
	1443	2.6	0.8		1411	2.9	0.9
	2058	1.1	0.3		2028	0.8	0.2
15	0257	2.4	0.7	30	0235	2.8	0.9
Sa	0913	0.9	0.3	Su	0855	0.5	0.2
	1544	2.6	0.8		1519	2.9	0.9
	2158	1.0	0.3		2135	0.6	0.2
				31	0348	2.9	0.9
				M	1005	0.5	0.2
					1622	3.0	0.9
					2237	0.4	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0452	3.1	0.9	16	0502	2.7	0.8
Tu	1104	0.4	0.1	W	1110	0.7	0.2
	1716	3.1	0.9		1713	2.7	0.8
	2331	0.2	0.1		2328	0.4	0.1
2	0549	3.3	1.0	17	0547	2.8	0.9
W	1200	0.3	0.1	Th	1153	0.6	0.2
	1808	3.3	1.0		1752	2.8	0.9
3	0021	0.0	0.0	18	0008	0.2	0.1
Th	0640	3.4	1.0	F	0627	3.0	0.9
	1250	0.2	0.1		1234	0.5	0.2
	1853	3.3	1.0		1830	2.9	0.9
4	0109	-0.1	0.0	19	0045	0.1	0.0
F	0728	3.5	1.1	Sa	0707	3.1	0.9
	1337	0.2	0.1		1314	0.4	0.1
	1938	3.3	1.0		1911	2.9	0.9
5	0153	-0.2	-0.1	20	0125	0.0	0.0
Sa	0814	3.5	1.1	Su	0749	3.2	1.0
	1422	0.2	0.1		1354	0.4	0.1
	2021	3.3	1.0		1948	3.0	0.9
6	0236	-0.1	0.0	21	0206	-0.1	0.0
Su	0858	3.4	1.0	M	0829	3.2	1.0
	1507	0.3	0.1		1436	0.4	0.1
	2104	3.1	0.9		2030	3.0	0.9
7	0318	0.0	0.0	22	0248	-0.1	0.0
M	0944	3.3	1.0	Tu	0912	3.2	1.0
	1551	0.5	0.2		1520	0.4	0.1
	2146	3.0	0.9		2115	2.9	0.9
8	0402	0.1	0.0	23	0333	-0.1	0.0
Tu	1028	3.1	0.9	W	1000	3.1	0.9
	1637	0.6	0.2		1608	0.4	0.1
	2232	2.8	0.9		2204	2.9	0.9
9	0445	0.3	0.1	24	0423	0.0	0.0
W	1113	3.0	0.9	Th	1051	3.0	0.9
	1722	0.8	0.2		1701	0.5	0.2
	2318	2.6	0.8		2301	2.8	0.9
10	0532	0.5	0.2	25	0517	0.1	0.0
Th	1202	2.8	0.9	F	1146	2.9	0.9
	1817	0.9	0.3		1759	0.5	0.2
11	0012	2.5	0.8	26	0002	2.7	0.8
F	0625	0.7	0.2	Sa	0621	0.2	0.1
	1256	2.6	0.8		1247	2.8	0.9
	1913	1.0	0.3		1905	0.5	0.2
12	0112	2.4	0.7	27	0113	2.6	0.8
Sa	0723	0.8	0.2	Su	0730	0.3	0.1
	1353	2.6	0.8		1352	2.8	0.9
	2014	1.0	0.3		2010	0.4	0.1
13	0216	2.3	0.7	28	0226	2.7	0.8
Su	0827	0.9	0.3	M	0840	0.4	0.1
	1451	2.5	0.8		1457	2.8	0.9
	2111	0.9	0.3		2116	0.3	0.1
14	0319	2.4	0.7	29	0335	2.8	0.9
M	0926	0.9	0.3	Tu	0948	0.4	0.1
	1543	2.6	0.8		1558	2.8	0.9
	2203	0.8	0.2		2217	0.1	0.0
15	0414	2.5	0.8	30	0438	2.9	0.9
Tu	1019	0.8	0.2	W	1048	0.3	0.1
	1630	2.6	0.8		1655	2.8	0.9
	2248	0.6	0.2		2312	-0.1	0.0

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0533	3.0	0.9	16	0507	2.5	0.8
Th	1144	0.2	0.1	F	1113	0.4	0.1
	1744	2.9	0.9		1710	2.4	0.7
					2328	-0.1	0.0
2	0001	-0.2	-0.1	17	0555	2.7	0.8
F	0625	3.1	0.9	Sa	1200	0.3	0.1
	1232	0.2	0.1		1755	2.5	0.8
	1830	2.9	0.9				
3	0048	-0.3	-0.1	18	0013	-0.3	-0.1
Sa	0711	3.1	0.9	Su	0641	2.8	0.9
	1319	0.2	0.1		1246	0.2	0.1
	1915	2.9	0.9		1840	2.6	0.8
4	0130	-0.3	-0.1	19	0058	-0.4	-0.1
Su	0756	3.1	0.9	M	0725	2.9	0.9
	1403	0.2	0.1		1332	0.1	0.0
	1958	2.8	0.9		1927	2.7	0.8
5	0212	-0.3	-0.1	20	0143	-0.5	-0.2
M	0838	3.1	0.9	Tu	0811	3.0	0.9
	1446	0.3	0.1		1418	0.0	0.0
	2039	2.7	0.8		2013	2.7	0.8
6	0253	-0.2	-0.1	21	0232	-0.6	-0.2
Tu	0920	3.0	0.9	W	0857	3.0	0.9
	1528	0.3	0.1		1506	0.0	0.0
	2121	2.6	0.8		2102	2.7	0.8
7	0335	0.0	0.0	22	0320	-0.5	-0.2
W	1002	2.8	0.9	Th	0947	3.0	0.9
	1610	0.4	0.1		1555	-0.1	0.0
	2205	2.5	0.8		2155	2.7	0.8
8	0416	0.1	0.0	23	0413	-0.4	-0.1
Th	1044	2.7	0.8	F	1037	2.9	0.9
	1653	0.5	0.2		1648	-0.1	0.0
	2249	2.4	0.7		2253	2.6	0.8
9	0501	0.3	0.1	24	0509	-0.3	-0.1
F	1127	2.6	0.8	Sa	1130	2.8	0.9
	1740	0.6	0.2		1746	-0.1	0.0
	2338	2.2	0.7		2354	2.5	0.8
10	0548	0.4	0.1	25	0609	-0.2	-0.1
Sa	1212	2.4	0.7	Su	1228	2.6	0.8
	1830	0.6	0.2		1846	-0.1	0.0
11	0031	2.1	0.6	26	0100	2.5	0.8
Su	0639	0.5	0.2	M	0713	0.0	0.0
	1302	2.3	0.7		1329	2.5	0.8
	1923	0.6	0.2		1950	-0.1	0.0
12	0129	2.1	0.6	27	0208	2.4	0.7
M	0736	0.6	0.2	Tu	0820	0.1	0.0
	1355	2.3	0.7		1430	2.4	0.7
	2017	0.5	0.2		2053	-0.1	0.0
13	0229	2.1	0.6	28	0316	2.5	0.8
Tu	0834	0.6	0.2	W	0926	0.1	0.0
	1446	2.2	0.7		1532	2.4	0.7
	2108	0.4	0.1		2153	-0.2	-0.1
14	0326	2.2	0.7	29	0419	2.5	0.8
W	0932	0.6	0.2	Th	1027	0.2	0.1
	1536	2.3	0.7		1627	2.4	0.7
	2158	0.3	0.1		2249	-0.3	-0.1
15	0419	2.3	0.7	30	0518	2.6	0.8
Th	1025	0.5	0.2	F	1124	0.1	0.0
	1622	2.3	0.7		1720	2.4	0.7
	2244	0.1	0.0		2341	-0.4	-0.1
				31	0609	2.6	0.8
				Sa	1216	0.1	0.0
					1811	2.4	0.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0531	-0.6	-0.2
	1144	1.1	0.3
	1630	0.3	0.1
	2302	2.2	0.7
2 Su	0617	-0.5	-0.2
	1231	1.1	0.3
	1728	0.3	0.1
	2356	2.0	0.6
3 M	0703	-0.3	-0.1
	1317	1.1	0.3
	1830	0.3	0.1
4 Tu	0053	1.7	0.5
	0749	-0.1	0.0
	1406	1.2	0.4
	1943	0.3	0.1
5 W	0157	1.5	0.5
	0833	0.0	0.0
	1458	1.3	0.4
	2107	0.3	0.1
6 Th	0307	1.2	0.4
	0918	0.2	0.1
	1549	1.4	0.4
	2233	0.2	0.1
7 F	0434	1.0	0.3
	1007	0.3	0.1
	1645	1.5	0.5
	2352	0.1	0.0
8 Sa	0601	0.9	0.3
	1059	0.4	0.1
	1738	1.6	0.5
9 Su	0059	-0.1	0.0
	0715	0.9	0.3
	1149	0.5	0.2
	1828	1.6	0.5
10 M	0153	-0.2	-0.1
	0812	0.9	0.3
	1240	0.5	0.2
	1916	1.7	0.5
11 Tu	0238	-0.2	-0.1
	0854	0.9	0.3
	1326	0.5	0.2
	1958	1.7	0.5
12 W	0317	-0.3	-0.1
	0933	0.9	0.3
	1408	0.4	0.1
	2038	1.8	0.5
13 Th	0354	-0.3	-0.1
	1005	0.9	0.3
	1445	0.4	0.1
	2117	1.8	0.5
14 F	0427	-0.3	-0.1
	1037	0.9	0.3
	1525	0.3	0.1
	2151	1.7	0.5
15 Sa	0459	-0.3	-0.1
	1109	0.9	0.3
	1557	0.3	0.1
	2226	1.7	0.5
16 Su	0530	-0.3	-0.1
	1141	0.9	0.3
	1636	0.3	0.1
	2259	1.7	0.5
17 M	0602	-0.2	-0.1
	1211	1.0	0.3
	1715	0.3	0.1
	2338	1.6	0.5
18 Tu	0634	-0.2	-0.1
	1241	1.0	0.3
	1803	0.3	0.1
19 W	0019	1.4	0.4
	0706	-0.1	0.0
	1316	1.0	0.3
	1855	0.3	0.1
20 Th	0104	1.3	0.4
	0737	0.1	0.0
	1354	1.1	0.3
	2000	0.2	0.1
21 F	0204	1.1	0.3
	0812	0.2	0.1
	1441	1.2	0.4
	2116	0.1	0.0
22 Sa	0320	0.9	0.3
	0855	0.3	0.1
	1531	1.3	0.4
	2239	0.0	0.0
23 Su	0451	0.8	0.2
	0944	0.4	0.1
	1628	1.5	0.5
	2358	-0.2	-0.1
24 M	0625	0.8	0.2
	1045	0.4	0.1
	1730	1.6	0.5
25 Tu	0107	-0.4	-0.1
	0736	0.8	0.2
	1148	0.4	0.1
	1830	1.8	0.5
26 W	0203	-0.5	-0.2
	0832	0.8	0.2
	1251	0.4	0.1
	1929	1.9	0.6
27 Th	0256	-0.7	-0.2
	0917	0.9	0.3
	1347	0.3	0.1
	2025	2.0	0.6
28 F	0344	-0.7	-0.2
	0959	0.9	0.3
	1444	0.2	0.1
	2117	2.1	0.6
29 Sa	0428	-0.7	-0.2
	1038	1.0	0.3
	1537	0.1	0.0
	2209	2.0	0.6
30 Su	0511	-0.6	-0.2
	1117	1.0	0.3
	1632	0.0	0.0
	2258	1.9	0.6
31 M	0550	-0.5	-0.2
	1156	1.1	0.3
	1727	-0.1	0.0
	2350	1.7	0.5

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0626	-0.3	-0.1
	1234	1.2	0.4
	1826	-0.1	0.0
2 W	0040	1.4	0.4
	0704	-0.1	0.0
	1316	1.3	0.4
	1930	-0.1	0.0
3 Th	0135	1.2	0.4
	0737	0.0	0.0
	1401	1.3	0.4
	2038	0.0	0.0
4 F	0242	0.9	0.3
	0816	0.2	0.1
	1454	1.4	0.4
	2200	0.0	0.0
5 Sa	0403	0.7	0.2
	0858	0.3	0.1
	1547	1.4	0.4
	2320	-0.1	0.0
6 Su	0537	0.6	0.2
	0953	0.4	0.1
	1653	1.4	0.4
7 M	0035	-0.1	0.0
	0658	0.6	0.2
	1103	0.4	0.1
	1757	1.4	0.4
8 Tu	0134	-0.2	-0.1
	0758	0.7	0.2
	1209	0.4	0.1
	1854	1.5	0.5
9 W	0221	-0.2	-0.1
	0840	0.7	0.2
	1307	0.4	0.1
	1943	1.5	0.5
10 Th	0258	-0.3	-0.1
	0914	0.8	0.2
	1359	0.3	0.1
	2025	1.6	0.5
11 F	0334	-0.3	-0.1
	0943	0.8	0.2
	1438	0.2	0.1
	2104	1.6	0.5
12 Sa	0405	-0.3	-0.1
	1011	0.9	0.3
	1517	0.2	0.1
	2139	1.6	0.5
13 Su	0434	-0.3	-0.1
	1036	0.9	0.3
	1553	0.1	0.0
	2214	1.6	0.5
14 M	0500	-0.3	-0.1
	1103	1.0	0.3
	1629	0.1	0.0
	2246	1.5	0.5
15 Tu	0526	-0.2	-0.1
	1130	1.1	0.3
	1708	0.0	0.0
	2325	1.4	0.4
16 W	0554	-0.1	0.0
	1155	1.1	0.3
	1752	0.0	0.0
17 Th	0003	1.3	0.4
	0619	0.0	0.0
	1224	1.2	0.4
	1839	-0.1	0.0
18 F	0049	1.1	0.3
	0645	0.1	0.0
	1301	1.3	0.4
	1938	-0.1	0.0
19 Sa	0145	0.9	0.3
	0717	0.2	0.1
	1343	1.4	0.4
	2049	-0.1	0.0
20 Su	0259	0.8	0.2
	0753	0.3	0.1
	1439	1.4	0.4
	2213	-0.2	-0.1
21 M	0437	0.6	0.2
	0844	0.4	0.1
	1546	1.5	0.5
	2339	-0.3	-0.1
22 Tu	0619	0.6	0.2
	1000	0.5	0.2
	1703	1.6	0.5
23 W	0051	-0.4	-0.1
	0728	0.7	0.2
	1129	0.4	0.1
	1817	1.7	0.5
24 Th	0153	-0.5	-0.2
	0819	0.8	0.2
	1245	0.3	0.1
	1921	1.8	0.5
25 F	0243	-0.6	-0.2
	0857	0.9	0.3
	1348	0.2	0.1
	2021	1.9	0.6
26 Sa	0325	-0.6	-0.2
	0933	1.0	0.3
	1445	0.0	0.0
	2115	1.9	0.6
27 Su	0405	-0.5	-0.2
	1008	1.1	0.3
	1541	-0.1	0.0
	2204	1.8	0.5
28 M	0440	-0.4	-0.1
	1041	1.3	0.4
	1630	-0.2	-0.1
	2253	1.7	0.5

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0515	-0.3	-0.1
	1115	1.4	0.4
	1722	-0.3	-0.1
	2339	1.5	0.5
2 W	0547	-0.1	0.0
	1151	1.4	0.4
	1813	-0.3	-0.1
3 Th	0027	1.3	0.4
	0615	0.0	0.0
	1229	1.5	0.5
	1906	-0.2	-0.1
4 F	0119	1.0	0.3
	0648	0.2	0.1
	1309	1.5	0.5
	2008	-0.2	-0.1
5 Sa	0215	0.8	0.2
	0716	0.3	0.1
	1354	1.4	0.4
	2118	-0.1	0.0
6 Su	0328	0.7	0.2
	0755	0.4	0.1
	1451	1.4	0.4
	2237	0.0	0.0
7 M	0503	0.6	0.2
	0854	0.5	0.2
	1602	1.3	0.4
	2358	0.0	0.0
8 Tu	0636	0.6	0.2
	1022	0.5	0.2
	1721	1.3	0.4
9 W	0102	-0.1	0.0
	0728	0.7	0.2
	1149	0.5	0.2
	1829	1.4	0.4
10 Th	0151	-0.1	0.0
	0806	0.8	0.2
	1253	0.4	0.1
	1924	1.4	0.4
11 F	0230	-0.2	-0.1
	0840	0.9	0.3
	1345	0.3	0.1
	2006	1.5	0.5
12 Sa	0302	-0.2	-0.1
	0907	1.0	0.3
	1427	0.2	0.1
	2048	1.5	0.5
13 Su	0331	-0.2	-0.1
	0931	1.1	0.3
	1504	0.1	0.0
	2124	1.6	0.5
14 M	0359	-0.2	-0.1
	0956	1.1	0.3
	1542	0.0	0.0
	2159	1.5	0.5
15 Tu	0421	-0.1	0.0
	1021	1.2	0.4
	1619	-0.1	0.0
	2235	1.5	0.5
16 W	0446	0.0	0.0
	1043	1.3	0.4
	1658	-0.2	-0.1
	2314	1.4	0.4
17 Th	0511	0.1	0.0
	1111	1.4	0.4
	1742	-0.2	-0.1
	2356	1.2	0.4
18 F	0534	0.2	0.1
	1144	1.5	0.5
	1827	-0.3	-0.1
19 Sa	0042	1.1	0.3
	0600	0.3	0.1
	1219	1.6	0.5
	1925	-0.2	-0.1
20 Su	0142	0.9	0.3
	0632	0.4	0.1
	1305	1.6	0.5
	2032	-0.2	-0.1
21 M	0252	0.7	0.2
	0712	0.4	0.1
	1405	1.6	0.5
	2154	-0.2	-0.1
22 Tu	0430	0.7	0.2
	0811	0.5	0.2
	1521	1.6	0.5
	2321	-0.2	-0.1
23 W	0609	0.7	0.2
	0950	0.5	0.2
	1650	1.6	0.5
24 Th	0033	-0.3	-0.1
	0708	0.8	0.2
	1131	0.5	0.2
	1806	1.7	0.5
25 F	0129	-0.3	-0.1
	0750	1.0	0.3
	1251	0.3	0.1
	1915	1.7	0.5
26 Sa	0216	-0.3	-0.1
	0826	1.1	0.3
	1352	0.1	0.0
	2016	1.8	0.5
27 Su	0257	-0.3	-0.1
	0858	1.3	0.4
	1448	-0.1	0.0
	2108	1.7	0.5
28 M	0333	-0.2	-0.1
	0933	1.4	0.4
	1538	-0.3	-0.1
	2159	1.6	0.5
29 Tu	0405	-0.1	0.0
	1005	1.6	0.5
	1624	-0.4	-0.1
	2244	1.5	0.5
30 W	0433	0.0	0.0
	1037	1.7	0.5
	1710	-0.4	-0.1
	2329	1.3	0.4
31 Th	0501	0.2	0.1
	1109	1.7	0.5
	1757	-0.4	-0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0015	1.2	0.4	16 Sa	0454	0.4	0.1
	0530	0.3	0.1		1112	1.8	0.5
	1145	1.7	0.5		1821	-0.4	-0.1
	1844	-0.3	-0.1				
2 Sa	0101	1.0	0.3	17 Su	0042	1.0	0.3
	0559	0.4	0.1		0526	0.4	0.1
	1224	1.6	0.5		1155	1.9	0.6
	1936	-0.1	0.0		1917	-0.3	-0.1
3 Su	0151	0.9	0.3	18 M	0143	0.9	0.3
	0627	0.4	0.1		0602	0.5	0.2
	1309	1.5	0.5		1244	1.8	0.5
	2035	0.0	0.0		2023	-0.2	-0.1
4 M	0257	0.8	0.2	19 Tu	0257	0.8	0.2
	0709	0.5	0.2		0655	0.6	0.2
	1405	1.4	0.4		1348	1.7	0.5
	2148	0.1	0.0		2141	-0.2	-0.1
5 Tu	0421	0.7	0.2	20 W	0424	0.8	0.2
	0810	0.6	0.2		0815	0.6	0.2
	1515	1.3	0.4		1509	1.6	0.5
	2306	0.1	0.0		2255	-0.1	0.0
6 W	0549	0.8	0.2	21 Th	0538	0.9	0.3
	0951	0.6	0.2		1004	0.6	0.2
	1637	1.3	0.4		1638	1.6	0.5
7 Th	0013	0.1	0.0	22 F	0002	-0.1	0.0
	0645	0.9	0.3		0630	1.1	0.3
	1126	0.6	0.2		1141	0.4	0.1
	1753	1.3	0.4		1801	1.6	0.5
8 F	0103	0.1	0.0	23 Sa	0054	-0.1	0.0
	0721	1.0	0.3		0712	1.2	0.4
	1233	0.4	0.1		1256	0.2	0.1
	1852	1.4	0.4		1910	1.6	0.5
9 Sa	0142	0.0	0.0	24 Su	0140	0.0	0.0
	0752	1.1	0.3		0747	1.4	0.4
	1324	0.3	0.1		1355	0.0	0.0
	1941	1.5	0.5		2009	1.5	0.5
10 Su	0217	0.0	0.0	25 M	0216	0.1	0.0
	0821	1.2	0.4		0822	1.6	0.5
	1408	0.2	0.1		1445	-0.2	-0.1
	2024	1.5	0.5		2104	1.5	0.5
11 M	0245	0.0	0.0	26 Tu	0250	0.1	0.0
	0846	1.3	0.4		0855	1.7	0.5
	1448	0.0	0.0		1533	-0.3	-0.1
	2106	1.5	0.5		2151	1.4	0.4
12 Tu	0311	0.1	0.0	27 W	0322	0.2	0.1
	0911	1.4	0.4		0930	1.8	0.5
	1527	-0.1	0.0		1616	-0.4	-0.1
	2145	1.5	0.5		2236	1.3	0.4
13 W	0336	0.1	0.0	28 Th	0351	0.3	0.1
	0936	1.6	0.5		1003	1.9	0.6
	1606	-0.3	-0.1		1658	-0.4	-0.1
	2224	1.4	0.4		2318	1.2	0.4
14 Th	0400	0.2	0.1	29 F	0419	0.4	0.1
	1005	1.7	0.5		1035	1.9	0.6
	1648	-0.4	-0.1		1740	-0.3	-0.1
	2307	1.3	0.4		2359	1.1	0.3
15 F	0429	0.3	0.1	30 Sa	0449	0.4	0.1
	1036	1.8	0.5		1110	1.8	0.5
	1731	-0.4	-0.1		1822	-0.2	-0.1
	2353	1.2	0.4				

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0040	1.0	0.3	16 M	0039	1.0	0.3
	0520	0.5	0.2		0505	0.5	0.2
	1149	1.7	0.5		1140	2.0	0.6
	1911	-0.1	0.0		1912	-0.4	-0.1
2 M	0130	0.9	0.3	17 Tu	0138	0.9	0.3
	0558	0.6	0.2		0555	0.6	0.2
	1232	1.6	0.5		1239	1.9	0.6
	2002	0.0	0.0		2011	-0.2	-0.1
3 Tu	0226	0.9	0.3	18 W	0247	0.9	0.3
	0642	0.6	0.2		0702	0.6	0.2
	1325	1.5	0.5		1341	1.8	0.5
	2102	0.1	0.0		2117	-0.1	0.0
4 W	0338	0.9	0.3	19 Th	0353	1.0	0.3
	0749	0.7	0.2		0833	0.6	0.2
	1428	1.4	0.4		1500	1.6	0.5
	2208	0.2	0.1		2221	0.0	0.0
5 Th	0454	0.9	0.3	20 F	0455	1.1	0.3
	0924	0.7	0.2		1016	0.5	0.2
	1548	1.3	0.4		1627	1.5	0.5
	2311	0.2	0.1		2320	0.1	0.0
6 F	0546	1.0	0.3	21 Sa	0547	1.3	0.4
	1055	0.6	0.2		1145	0.3	0.1
	1700	1.3	0.4		1749	1.4	0.4
7 Sa	0000	0.2	0.1	22 Su	0011	0.2	0.1
	0625	1.1	0.3		0630	1.5	0.5
	1205	0.5	0.2		1252	0.1	0.0
	1809	1.3	0.4		1902	1.3	0.4
8 Su	0043	0.2	0.1	23 M	0053	0.2	0.1
	0659	1.3	0.4		0713	1.6	0.5
	1301	0.3	0.1		1352	-0.1	0.0
	1908	1.3	0.4		2005	1.3	0.4
9 M	0118	0.2	0.1	24 Tu	0132	0.3	0.1
	0728	1.4	0.4		0747	1.8	0.5
	1347	0.1	0.0		1440	-0.3	-0.1
	2001	1.4	0.4		2058	1.2	0.4
10 Tu	0150	0.3	0.1	25 W	0208	0.4	0.1
	0757	1.6	0.5		0824	1.9	0.6
	1429	-0.1	0.0		1525	-0.3	-0.1
	2046	1.3	0.4		2144	1.2	0.4
11 W	0221	0.3	0.1	26 Th	0240	0.4	0.1
	0825	1.7	0.5		0859	2.0	0.6
	1511	-0.3	-0.1		1607	-0.4	-0.1
	2132	1.3	0.4		2227	1.1	0.3
12 Th	0249	0.4	0.1	27 F	0311	0.5	0.2
	0857	1.9	0.6		0934	2.0	0.6
	1553	-0.4	-0.1		1646	-0.3	-0.1
	2215	1.3	0.4		2305	1.1	0.3
13 F	0318	0.4	0.1	28 Sa	0343	0.5	0.2
	0930	2.0	0.6		1010	1.9	0.6
	1636	-0.5	-0.2		1724	-0.3	-0.1
	2302	1.2	0.4		2344	1.0	0.3
14 Sa	0350	0.5	0.2	29 Su	0417	0.5	0.2
	1009	2.1	0.6		1046	1.9	0.6
	1724	-0.5	-0.2		1805	-0.2	-0.1
	2350	1.1	0.3				
15 Su	0425	0.5	0.2	30 M	0021	1.0	0.3
	1054	2.1	0.6		0454	0.5	0.2
	1817	-0.4	-0.1		1126	1.8	0.5
					1848	-0.1	0.0
				31 Tu	0104	0.9	0.3
					0536	0.6	0.2
					1208	1.7	0.5
					1930	0.0	0.0

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0156	0.9	0.3	16 Th	0215	1.1	0.3
	0621	0.6	0.2		0715	0.5	0.2
	1255	1.6	0.5		1339	1.7	0.5
	2019	0.1	0.0		2042	-0.1	0.0
2 Th	0250	1.0	0.3	17 F	0313	1.2	0.4
	0725	0.7	0.2		0840	0.5	0.2
	1351	1.4	0.4		1450	1.5	0.5
	2110	0.2	0.1		2135	0.1	0.0
3 F	0347	1.0	0.3	18 Sa	0406	1.3	0.4
	0846	0.7	0.2		1011	0.4	0.1
	1458	1.3	0.4		1614	1.3	0.4
	2202	0.2	0.1		2228	0.2	0.1
4 Sa	0436	1.1	0.3	19 Su	0500	1.5	0.5
	1013	0.6	0.2		1135	0.2	0.1
	1612	1.2	0.4		1737	1.2	0.4
	2251	0.3	0.1		2319	0.4	0.1
5 Su	0519	1.2	0.4	20 M	0546	1.6	0.5
	1127	0.4	0.1		1243	0.0	0.0
	1727	1.2	0.4		1855	1.1	0.3
	2336	0.3	0.1				
6 M	0554	1.4	0.4	21 Tu	0004	0.5	0.2
	1230	0.2	0.1		0631	1.8	0.5
	1836	1.2	0.4		1342	-0.1	0.0
					2001	1.1	0.3
7 Tu	0014	0.4	0.1	22 W	0046	0.5	0.2
	0633	1.6	0.5		0717	1.9	0.6
	1323	0.0	0.0		1431	-0.2	-0.1
	1936	1.2	0.4		2051	1.1	0.3
8 W	0051	0.4	0.1	23 Th	0128	0.5	0.2
	0708	1.7	0.5		0757	1.9	0.6
	1411	-0.2	-0.1		1516	-0.3	-0.1
	2029	1.2	0.4		2137	1.0	0.3
9 Th	0128	0.5	0.2	24 F	0207	0.5	0.2
	0745	1.9	0.6		0836	2.0	0.6
	1456	-0.4	-0.1		1557	-0.3	-0.1
	2118	1.1	0.3		2214	1.0	0.3
10 F	0204	0.5	0.2	25 Sa	0245	0.5	0.2
	0827	2.1	0.6		0915	1.9	0.6
	1543	-0.5	-0.2		1633	-0.2	-0.1
	2204	1.1	0.3		2249	1.0	0.3
11 Sa	0243	0.5	0.2	26 Su	0321	0.5	0.2
	0910	2.2	0.7		0954	1.9	0.6
	1630	-0.5	-0.2		1709	-0.2	-0.1
	2254	1.1	0.3		2325	1.0	0.3
12 Su	0325	0.5	0.2	27 M	0400	0.5	0.2
	0955	2.2	0.7		1029	1.9	0.6
	1718	-0.5	-0.2		1745	-0.1	0.0
	2341	1.0	0.3				
13 M	0409	0.5	0.2	28 Tu	0000	1.0	0.3
	1043	2.2	0.7		0438	0.5	0.2
	1808	-0.5	-0.2		1107	1.8	0.5
					1823	-0.1	0.0
14 Tu	0029	1.0	0.3	29 W	0035	1.0	0.3
	0502	0.5	0.2		0520	0.5	0.2
	1134	2.1	0.6		1146	1.7	0.5
	1900	-0.4	-0.1		1859	0.0	0.0
15 W	0122	1.0	0.3	30 Th	0114	1.1	0.3
	0602	0.5	0.2		0608	0.6	0.2
	1234	1.9	0.6		1228	1.6	0.5
	1953	-0.2	-0.1		1934	0.1	0.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0156	1.1	0.3	16 Sa	0223	1.5	0.5
	0704	0.6	0.2		0833	0.3	0.1
	1317	1.5	0.5		1436	1.4	0.4
	2015	0.2	0.1		2047	0.3	0.1
2 Sa	0241	1.2	0.4	17 Su	0315	1.6	0.5
	0815	0.6	0.2		0956	0.3	0.1
	1417	1.3	0.4		1557	1.2	0.4
	2056	0.3	0.1		2131	0.5	0.2
3 Su	0323	1.3	0.4	18 M	0408	1.7	0.5
	0929	0.5	0.2		1115	0.2	0.1
	1527	1.2	0.4		1724	1.0	0.3
	2138	0.4	0.1		2223	0.6	0.2
4 M	0409	1.4	0.4	19 Tu	0504	1.8	0.5
	1045	0.3	0.1		1228	0.1	0.0
	1648	1.1	0.3		1846	1.0	0.3
	2223	0.5	0.2		2315	0.6	0.2
5 Tu	0452	1.5	0.5	20 W	0558	1.8	0.5
	1154	0.2	0.1		1330	0.0	0.0
	1808	1.1	0.3		1952	1.0	0.3
	2309	0.5	0.2				
6 W	0540	1.7	0.5	21 Th	0010	0.7	0.2
	1259	0.0	0.0		0653	1.9	0.6
	1915	1.0	0.3		1419	-0.1	0.0
	2354	0.6	0.2		2041	1.0	0.3
7 Th	0630	1.9	0.6	22 F	0103	0.7	0.2
	1352	-0.2	-0.1		0739	1.9	0.6
	2016	1.1	0.3		1503	-0.1	0.0
					2123	1.0	0.3
8 F	0044	0.6	0.2	23 Sa	0150	0.6	0.2
	0718	2.0	0.6		0824	2.0	0.6
	1444	-0.4	-0.1		1540	-0.1	0.0
	2108	1.1	0.3		2155	1.1	0.3
9 Sa	0134	0.6	0.2	24 Su	0232	0.6	0.2
	0807	2.2	0.7		0904	2.0	0.6
	1533	-0.5	-0.2		1617	-0.1	0.0
	2154	1.1	0.3		2224	1.1	0.3
10 Su	0224	0.5	0.2	25 M	0311	0.5	0.2
	0859	2.3	0.7		0941	1.9	0.6
	1621	-0.5	-0.2		1648	0.0	0.0
	2237	1.1	0.3		2256	1.1	0.3
11 M	0313	0.4	0.1	26 Tu	0352	0.5	0.2
	0948	2.3	0.7		1017	1.9	0.6
	1707	-0.5	-0.2		1720	0.0	0.0
	2319	1.1	0.3		2326	1.2	0.4
12 Tu	0406	0.4	0.1	27 W	0429	0.5	0.2
	1040	2.2	0.7		1052	1.9	0.6
	1753	-0.4	-0.1		1749	0.0	0.0
					2356	1.2	0.4
13 W	0005	1.2	0.4	28 Th	0509	0.5	0.2
	0505	0.4	0.1		1128	1.8	0.5
	1133	2.1	0.6		1818	0.1	0.0
	1836	-0.2	-0.1				
14 Th	0047	1.3	0.4	29 F	0027	1.3	0.4
	0605	0.3	0.1		0551	0.5	0.2
	1229	1.9	0.6		1207	1.7	0.5
	1919	-0.1	0.0		1850	0.2	0.1
15 F	0135	1.4	0.4	30 Sa	0100	1.3	0.4
	0714	0.3	0.1		0642	0.5	0.2
	1330	1.6	0.5		1251	1.5	0.5
	2001	0.1	0.0		1917	0.3	0.1
				31 Su	0135	1.4	0.4
					0741	0.5	0.2
					1346	1.4	0.4
					1952	0.5	0.2

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0215	1.5	0.5	16 Tu	0319	1.8	0.5
	0850	0.4	0.1		1050	0.3	0.1
	1452	1.2	0.4		1710	1.1	0.3
	2027	0.6	0.2		2127	0.8	0.2
2 Tu	0303	1.6	0.5	17 W	0423	1.8	0.5
	1006	0.3	0.1		1205	0.2	0.1
	1617	1.1	0.3		1838	1.1	0.3
	2113	0.7	0.2		2236	0.9	0.3
3 W	0357	1.7	0.5	18 Th	0532	1.9	0.6
	1125	0.2	0.1		1311	0.2	0.1
	1751	1.0	0.3		1934	1.1	0.3
	2209	0.7	0.2		2348	0.8	0.2
4 Th	0500	1.9	0.6	19 F	0633	1.9	0.6
	1237	0.0	0.0		1402	0.2	0.1
	1905	1.0	0.3		2021	1.2	0.4
	2314	0.8	0.2				
5 F	0600	2.0	0.6	20 Sa	0051	0.8	0.2
	1339	-0.1	0.0		0727	2.0	0.6
	2005	1.1	0.3		1444	0.2	0.1
					2054	1.2	0.4
6 Sa	0017	0.7	0.2	21 Su	0143	0.7	0.2
	0659	2.2	0.7		0812	2.0	0.6
	1432	-0.2	-0.1		1520	0.2	0.1
	2051	1.1	0.3		2123	1.3	0.4
7 Su	0121	0.6	0.2	22 M	0225	0.6	0.2
	0758	2.3	0.7		0851	2.0	0.6
	1519	-0.3	-0.1		1550	0.2	0.1
	2133	1.2	0.4		2151	1.4	0.4
8 M	0217	0.5	0.2	23 Tu	0304	0.6	0.2
	0851	2.4	0.7		0929	2.0	0.6
	1604	-0.3	-0.1		1617	0.2	0.1
	2212	1.3	0.4		2220	1.4	0.4
9 Tu	0313	0.4	0.1	24 W	0340	0.5	0.2
	0943	2.4	0.7		1001	2.0	0.6
	1643	-0.2	-0.1		1644	0.2	0.1
	2250	1.4	0.4		2245	1.5	0.5
10 W	0409	0.3	0.1	25 Th	0419	0.5	0.2
	1035	2.3	0.7		1038	1.9	0.6
	1724	-0.1	0.0		1709	0.3	0.1
	2328	1.5	0.5		2310	1.5	0.5
11 Th	0503	0.2	0.1	26 F	0455	0.5	0.2
	1127	2.1	0.6		1110	1.9	0.6
	1801	0.0	0.0		1734	0.4	0.1
					2339	1.6	0.5
12 F	0008	1.6	0.5	27 Sa	0534	0.4	0.1
	0603	0.2	0.1		1151	1.7	0.5
	1219	1.9	0.6		1759	0.5	0.2
	1838	0.2	0.1				
13 Sa	0050	1.7	0.5	28 Su	0004	1.7	0.5
	0704	0.2	0.1		0621	0.4	0.1
	1318	1.6	0.5		1236	1.6	0.5
	1914	0.4	0.1		1824	0.6	0.2
14 Su	0132	1.8	0.5	29 M	0037	1.8	0.5
	0814	0.2	0.1		0715	0.4	0.1
	1420	1.4	0.4		1328	1.4	0.4
	1952	0.6	0.2		1853	0.7	0.2
15 M	0223	1.8	0.5	30 Tu	0116	1.8	0.5
	0927	0.3	0.1		0820	0.4	0.1
	1540	1.2	0.4		1433	1.3	0.4
	2034	0.7	0.2		1929	0.8	0.2
				31 W	0207	1.9	0.6
					0937	0.4	0.1
					1559	1.2	0.4
					2015	0.9	0.3

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0311	2.0	0.6	16 F	0503	1.9	0.6
	1103	0.3	0.1		1241	0.5	0.2
	1742	1.1	0.3		1910	1.3	0.4
	2126	1.0	0.3		2336	1.0	0.3
2 F	0429	2.0	0.6	17 Sa	0612	1.9	0.6
	1217	0.2	0.1		1331	0.4	0.1
	1854	1.2	0.4		1947	1.4	0.4
	2252	0.9	0.3				
3 Sa	0545	2.1	0.6	18 Su	0043	0.9	0.3
	1323	0.1	0.0		0709	2.0	0.6
	1947	1.3	0.4		1413	0.4	0.1
					2019	1.5	0.5
4 Su	0014	0.8	0.2	19 M	0136	0.8	0.2
	0651	2.3	0.7		0753	2.0	0.6
	1413	0.0	0.0		1443	0.4	0.1
	2027	1.4	0.4		2047	1.6	0.5
5 M	0121	0.7	0.2	20 Tu	0214	0.7	0.2
	0753	2.4	0.7		0835	2.0	0.6
	1456	0.0	0.0		1510	0.4	0.1
	2104	1.5	0.5		2112	1.7	0.5
6 Tu	0221	0.5	0.2	21 W	0254	0.6	0.2
	0845	2.4	0.7		0911	2.0	0.6
	1537	0.0	0.0		1536	0.4	0.1
	2139	1.7	0.5		2136	1.7	0.5
7 W	0314	0.3	0.1	22 Th	0329	0.5	0.2
	0941	2.3	0.7		0943	2.0	0.6
	1613	0.1	0.0		1601	0.5	0.2
	2215	1.8	0.5		2201	1.8	0.5
8 Th	0406	0.2	0.1	23 F	0405	0.4	0.1
	1030	2.2	0.7		1021	2.0	0.6
	1649	0.3	0.1		1623	0.6	0.2
	2248	1.9	0.6		2224	1.9	0.6
9 F	0459	0.2	0.1	24 Sa	0440	0.4	0.1
	1119	2.0	0.6		1100	1.9	0.6
	1720	0.4	0.1		1648	0.7	0.2
	2325	2.0	0.6		2251	2.0	0.6
10 Sa	0552	0.1	0.0	25 Su	0521	0.3	0.1
	1211	1.8	0.5		1139	1.7	0.5
	1753	0.6	0.2		1710	0.8	0.2
					2318	2.1	0.6
11 Su	0003	2.1	0.6	26 M	0607	0.3	0.1
	0648	0.2	0.1		1223	1.6	0.5
	1303	1.6	0.5		1736	0.9	0.3
	1824	0.7	0.2		2352	2.1	0.6
12 M	0045	2.1	0.6	27 Tu	0658	0.3	0.1
	0749	0.3	0.1		1318	1.4	0.4
	1405	1.4	0.4		1805	0.9	0.3
	1857	0.9	0.3				
13 Tu	0130	2.0	0.6	28 W	0037	2.1	0.6
	0855	0.4	0.1		0801	0.4	0.1
	1515	1.2	0.4		1423	1.3	0.4
	1938	1.0	0.3		1840	1.0	0.3
14 W	0230	2.0	0.6	29 Th	0130	2.1	0.6
	1014	0.5	0.2		0917	0.4	0.1
	1649	1.2	0.4		1557	1.2	0.4
	2038	1.0	0.3		1933	1.1	0.3
15 Th	0341	1.9	0.6	30 F	0244	2.1	0.6
	1135	0.5	0.2		1042	0.4	0.1
	1815	1.2	0.4		1733	1.3	0.4
	2207	1.1	0.3		2111	1.1	0.3

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0410	2.1	0.6	16 Su	0537	1.8	0.5
	1158	0.3	0.1		1243	0.6	0.2
	1836	1.4	0.4		1904	1.5	0.5
	2257	1.0	0.3				
2 Su	0533	2.2	0.7	17 M	0026	0.9	0.3
	1257	0.3	0.1		0639	1.9	0.6
	1918	1.5	0.5		1321	0.6	0.2
					1936	1.6	0.5
3 M	0021	0.9	0.3	18 Tu	0118	0.8	0.2
	0646	2.2	0.7		0728	1.9	0.6
	1344	0.3	0.1		1353	0.6	0.2
	1955	1.7	0.5		2003	1.8	0.5
4 Tu	0127	0.6	0.2	19 W	0200	0.6	0.2
	0748	2.3	0.7		0811	1.9	0.6
	1424	0.3	0.1		1425	0.6	0.2
	2030	1.9	0.6		2029	1.9	0.6
5 W	0221	0.4	0.1	20 Th	0237	0.5	0.2
	0843	2.2	0.7		0853	1.9	0.6
	1502	0.4	0.1		1451	0.6	0.2
	2103	2.0	0.6		2051	2.0	0.6
6 Th	0314	0.2	0.1	21 F	0314	0.4	0.1
	0933	2.2	0.7		0930	1.9	0.6
	1534	0.5	0.2		1514	0.7	0.2
	2138	2.2	0.7		2116	2.1	0.6
7 F	0403	0.1	0.0	22 Sa	0351	0.2	0.1
	1023	2.0	0.6		1008	1.8	0.5
	1606	0.6	0.2		1541	0.8	0.2
	2210	2.3	0.7		2144	2.2	0.7
8 Sa	0450	0.1	0.0	23 Su	0428	0.2	0.1
	1110	1.9	0.6		1050	1.7	0.5
	1638	0.7	0.2		1603	0.8	0.2
	2246	2.3	0.7		2213	2.3	0.7
9 Su	0539	0.1	0.0	24 M	0510	0.1	0.0
	1158	1.7	0.5		1130	1.6	0.5
	1707	0.8	0.2		1631	0.9	0.3
	2321	2.3	0.7		2245	2.3	0.7
10 M	0627	0.2	0.1	25 Tu	0555	0.1	0.0
	1245	1.5	0.5		1216	1.5	0.5
	1735	0.9	0.3		1659	0.9	0.3
					2326	2.3	0.7
11 Tu	0003	2.3	0.7	26 W	0647	0.2	0.1
	0720	0.3	0.1		1312	1.4	0.4
	1341	1.4	0.4		1731	1.0	0.3
	1810	1.0	0.3				
12 W	0050	2.1	0.6	27 Th	0013	2.3	0.7
	0819	0.4	0.1		0749	0.2	0.1
	1447	1.3	0.4		1418	1.3	0.4
	1853	1.1	0.3		1820	1.0	0.3
13 Th	0145	2.0	0.6	28 F	0112	2.2	0.7
	0933	0.6	0.2		0903	0.3	0.1
	1611	1.3	0.4		1545	1.3	0.4
	2002	1.1	0.3		1933	1.1	0.3
14 F	0300	1.9	0.6	29 Sa	0229	2.1	0.6
	1050	0.6	0.2		1017	0.4	0.1
	1732	1.3	0.4		1703	1.3	0.4
	2141	1.1	0.3		2119	1.1	0.3
15 Sa	0424	1.8	0.5	30 Su	0358	2.0	0.6
	1153	0.6	0.2		1127	0.4	0.1
	1829	1.4	0.4		1800	1.5	0.5
	2319	1.1	0.3		2308	0.9	0.3
				31 M	0524	2.0	0.6
					1220	0.4	0.1
					1841	1.7	0.5

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0025	0.7	0.2	16 W	0051	0.6	0.2
	0638	2.0	0.6		0657	1.6	0.5
	1307	0.4	0.1		1301	0.6	0.2
	1919	1.9	0.6		1912	1.8	0.5
2 W	0128	0.4	0.1	17 Th	0137	0.4	0.1
	0744	1.9	0.6		0747	1.6	0.5
	1345	0.5	0.2		1331	0.6	0.2
	1955	2.1	0.6		1944	1.9	0.6
3 Th	0221	0.2	0.1	18 F	0220	0.3	0.1
	0838	1.9	0.6		0833	1.6	0.5
	1421	0.6	0.2		1401	0.7	0.2
	2028	2.2	0.7		2009	2.0	0.6
4 F	0310	0.0	0.0	19 Sa	0258	0.1	0.0
	0930	1.8	0.5		0915	1.6	0.5
	1456	0.7	0.2		1430	0.7	0.2
	2103	2.3	0.7		2041	2.2	0.7
5 Sa	0356	-0.1	0.0	20 Su	0337	0.0	0.0
	1016	1.7	0.5		0957	1.5	0.5
	1527	0.7	0.2		1458	0.7	0.2
	2139	2.4	0.7		2112	2.3	0.7
6 Su	0441	-0.1	0.0	21 M	0419	-0.1	0.0
	1102	1.6	0.5		1041	1.5	0.5
	1559	0.8	0.2		1527	0.8	0.2
	2216	2.4	0.7		2149	2.3	0.7
7 M	0526	0.0	0.0	22 Tu	0501	-0.2	-0.1
	1144	1.5	0.5		1126	1.4	0.4
	1625	0.9	0.3		1559	0.8	0.2
	2253	2.3	0.7		2228	2.4	0.7
8 Tu	0609	0.1	0.0	23 W	0550	-0.1	0.0
	1227	1.4	0.4		1212	1.3	0.4
	1700	0.9	0.3		1638	0.8	0.2
	2333	2.2	0.7		2314	2.3	0.7
9 W	0654	0.2	0.1	24 Th	0642	-0.1	0.0
	1317	1.3	0.4		1305	1.2	0.4
	1738	0.9	0.3		1723	0.8	0.2
10 Th	0018	2.1	0.6	25 F	0005	2.2	0.7
	0748	0.4	0.1		0738	0.0	0.0
	1412	1.2	0.4		1407	1.2	0.4
	1824	1.0	0.3		1824	0.8	0.2
11 F	0106	1.9	0.6	26 Sa	0104	2.1	0.6
	0847	0.5	0.2		0839	0.1	0.0
	1521	1.2	0.4		1513	1.2	0.4
	1933	1.0	0.3		1948	0.9	0.3
12 Sa	0212	1.8	0.5	27 Su	0220	1.9	0.6
	0948	0.5	0.2		0942	0.2	0.1
	1630	1.3	0.4		1618	1.3	0.4
	2107	1.0	0.3		2130	0.8	0.2
13 Su	0331	1.7	0.5	28 M	0344	1.7	0.5
	1050	0.6	0.2		1042	0.3	0.1
	1729	1.4	0.4		1711	1.5	0.5
	2245	1.0	0.3		2308	0.6	0.2
14 M	0447	1.6	0.5	29 Tu	0513	1.6	0.5
	1140	0.6	0.2		1135	0.4	0.1
	1808	1.5	0.5		1759	1.7	0.5
	2358	0.8	0.2				
15 Tu	0557	1.6	0.5	30 W	0025	0.4	0.1
	1222	0.6	0.2		0632	1.5	0.5
	1843	1.6	0.5		1221	0.5	0.2
					1841	1.9	0.6

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0127	0.1	0.0	16 F	0112	0.2	0.1
	0741	1.5	0.5		0722	1.2	0.4
	1304	0.6	0.2		1233	0.6	0.2
	1921	2.0	0.6		1854	1.8	0.5
2 F	0220	-0.1	0.0	17 Sa	0200	0.0	0.0
	0837	1.4	0.4		0816	1.2	0.4
	1342	0.6	0.2		1313	0.6	0.2
	2000	2.2	0.7		1931	1.9	0.6
3 Sa	0305	-0.2	-0.1	18 Su	0243	-0.2	-0.1
	0927	1.4	0.4		0905	1.2	0.4
	1419	0.6	0.2		1348	0.6	0.2
	2038	2.2	0.7		2010	2.1	0.6
4 Su	0351	-0.2	-0.1	19 M	0325	-0.4	-0.1
	1010	1.3	0.4		0947	1.2	0.4
	1455	0.7	0.2		1424	0.6	0.2
	2118	2.2	0.7		2053	2.2	0.7
5 M	0433	-0.2	-0.1	20 Tu	0411	-0.4	-0.1
	1051	1.3	0.4		1033	1.1	0.3
	1528	0.7	0.2		1505	0.5	0.2
	2154	2.2	0.7		2135	2.2	0.7
6 Tu	0511	-0.2	-0.1	21 W	0457	-0.5	-0.2
	1127	1.2	0.4		1115	1.1	0.3
	1602	0.7	0.2		1547	0.5	0.2
	2233	2.1	0.6		2221	2.2	0.7
7 W	0550	-0.1	0.0	22 Th	0543	-0.4	-0.1
	1205	1.1	0.3		1157	1.1	0.3
	1639	0.7	0.2		1635	0.5	0.2
	2310	2.0	0.6		2309	2.2	0.7
8 Th	0632	0.0	0.0	23 F	0629	-0.3	-0.1
	1248	1.1	0.3		1245	1.1	0.3
	1719	0.7	0.2		1731	0.5	0.2
	2355	1.9	0.6				
9 F	0714	0.1	0.0	24 Sa	0003	2.0	0.6
	1333	1.1	0.3		0719	-0.2	-0.1
	1811	0.7	0.2		1335	1.1	0.3
					1835	0.5	0.2
10 Sa	0041	1.7	0.5	25 Su	0102	1.8	0.5
	0759	0.2	0.1		0808	-0.1	0.0
	1425	1.1	0.3		1430	1.2	0.4
	1908	0.8	0.2		1957	0.4	0.1
11 Su	0130	1.6	0.5	26 M	0212	1.5	0.5
	0846	0.3	0.1		0855	0.1	0.0
	1521	1.2	0.4		1525	1.3	0.4
	2025	0.8	0.2		2128	0.4	0.1
12 M	0235	1.4	0.4	27 Tu	0332	1.3	0.4
	0938	0.4	0.1		0950	0.2	0.1
	1613	1.3	0.4		1621	1.5	0.5
	2156	0.7	0.2		2257	0.2	0.1
13 Tu	0351	1.3	0.4	28 W	0500	1.1	0.3
	1027	0.4	0.1		1042	0.4	0.1
	1702	1.4	0.4		1714	1.6	0.5
	2314	0.6	0.2				
14 W	0510	1.2	0.4	29 Th	0015	0.0	0.0
	1113	0.5	0.2		0628	1.1	0.3
	1741	1.5	0.5		1131	0.5	0.2
					1804	1.8	0.5
15 Th	0020	0.4	0.1	30 F	0118	-0.2	-0.1
	0622	1.2	0.4		0739	1.0	0.3
	1154	0.5	0.2		1223	0.5	0.2
	1817	1.6	0.5		1854	1.9	0.6
				31 Sa	0214	-0.3	-0.1
					0837	1.0	0.3
					1310	0.5	0.2
					1939	1.9	0.6

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0145	2.6	0.8
	1007	-0.8	-0.2
2 Su	0242	2.4	0.7
	1053	-0.6	-0.2
	1841	1.3	0.4
	2113	1.2	0.4
3 M	0341	2.2	0.7
	1135	-0.4	-0.1
	1900	1.3	0.4
	2255	1.1	0.3
4 Tu	0443	1.9	0.6
	1218	-0.1	0.0
	1925	1.5	0.5
5 W	0033	0.9	0.3
	0559	1.5	0.5
	1257	0.2	0.1
	1954	1.6	0.5
6 Th	0213	0.6	0.2
	0738	1.2	0.4
	1332	0.4	0.1
	2026	1.8	0.5
7 F	0339	0.3	0.1
	0933	1.0	0.3
	1409	0.7	0.2
	2100	1.9	0.6
8 Sa	0444	0.1	0.0
	1129	1.0	0.3
	1441	0.9	0.3
	2139	2.0	0.6
9 Su	0540	-0.2	-0.1
	2215	2.1	0.6
10 M	0625	-0.4	-0.1
	2254	2.1	0.6
11 Tu	0711	-0.5	-0.2
	2333	2.2	0.7
12 W	0748	-0.5	-0.2
13 Th	0012	2.2	0.7
	0823	-0.5	-0.2
14 F	0047	2.2	0.7
	0856	-0.5	-0.2
15 Sa	0129	2.2	0.7
	0928	-0.5	-0.2
	1645	1.1	0.3
	1929	1.0	0.3
16 Su	0208	2.2	0.7
	0958	-0.4	-0.1
	1700	1.1	0.3
	2026	0.9	0.3
17 M	0250	2.1	0.6
	1027	-0.3	-0.1
	1718	1.2	0.4
	2122	0.9	0.3
18 Tu	0335	2.0	0.6
	1059	-0.2	-0.1
	1743	1.3	0.4
	2228	0.8	0.2
19 W	0421	1.8	0.5
	1128	0.0	0.0
	1809	1.4	0.4
	2336	0.7	0.2
20 Th	0521	1.5	0.5
	1159	0.2	0.1
	1841	1.6	0.5
21 F	0100	0.5	0.2
	0634	1.3	0.4
	1231	0.4	0.1
	1913	1.7	0.5
22 Sa	0219	0.3	0.1
	0812	1.0	0.3
	1256	0.7	0.2
	1949	1.9	0.6
23 Su	0341	0.0	0.0
	1033	1.0	0.3
	1318	0.9	0.3
	2032	2.0	0.6
24 M	0451	-0.3	-0.1
	2121	2.2	0.7
25 Tu	0553	-0.6	-0.2
	2214	2.3	0.7
26 W	0649	-0.8	-0.2
	2308	2.4	0.7
27 Th	0742	-0.9	-0.3
28 F	0006	2.5	0.8
	0828	-0.9	-0.3
29 Sa	0102	2.4	0.7
	0910	-0.8	-0.2
	1642	1.2	0.4
	1924	1.1	0.3
30 Su	0155	2.3	0.7
	0949	-0.7	-0.2
	1653	1.2	0.4
	2038	0.9	0.3
31 M	0253	2.2	0.7
	1023	-0.4	-0.1
	1711	1.3	0.4
	2145	0.8	0.2

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0349	1.9	0.6
	1055	-0.1	0.0
	1730	1.4	0.4
	2255	0.6	0.2
2 W	0448	1.6	0.5
	1122	0.1	0.0
	1757	1.6	0.5
3 Th	0011	0.4	0.1
	0600	1.3	0.4
	1147	0.4	0.1
	1826	1.7	0.5
4 F	0133	0.3	0.1
	0731	1.0	0.3
	1211	0.6	0.2
	1905	1.8	0.5
5 Sa	0253	0.1	0.0
	0945	0.9	0.3
	1222	0.8	0.2
	1947	1.9	0.6
6 Su	0409	-0.1	0.0
	2037	1.9	0.6
7 M	0514	-0.2	-0.1
	2137	2.0	0.6
8 Tu	0607	-0.4	-0.1
	2232	2.0	0.6
9 W	0655	-0.4	-0.1
	2321	2.0	0.6
10 Th	0734	-0.5	-0.2
	1518	1.1	0.3
	1726	1.0	0.3
11 F	0008	2.1	0.6
	0806	-0.4	-0.1
	1522	1.1	0.3
	1819	1.0	0.3
12 Sa	0049	2.1	0.6
	0835	-0.4	-0.1
	1527	1.1	0.3
	1901	0.9	0.3
13 Su	0127	2.1	0.6
	0859	-0.3	-0.1
	1536	1.2	0.4
	1947	0.8	0.2
14 M	0206	2.0	0.6
	0922	-0.3	-0.1
	1551	1.2	0.4
	2033	0.6	0.2
15 Tu	0242	1.9	0.6
	0944	-0.1	0.0
	1605	1.4	0.4
	2124	0.5	0.2
16 W	0328	1.8	0.5
	1007	0.0	0.0
	1627	1.5	0.5
	2215	0.4	0.1
17 Th	0415	1.6	0.5
	1032	0.2	0.1
	1652	1.6	0.5
	2315	0.3	0.1
18 F	0515	1.3	0.4
	1053	0.4	0.1
	1722	1.8	0.5
19 Sa	0024	0.1	0.0
	0631	1.1	0.3
	1115	0.6	0.2
	1758	1.9	0.6
20 Su	0143	0.0	0.0
	0840	0.9	0.3
	1114	0.8	0.2
	1844	2.0	0.6
21 M	0313	-0.2	-0.1
	1936	2.0	0.6
22 Tu	0435	-0.4	-0.1
	2047	2.1	0.6
23 W	0544	-0.6	-0.2
	2203	2.2	0.7
24 Th	0642	-0.7	-0.2
	2313	2.2	0.7
25 F	0729	-0.8	-0.2
	1507	1.2	0.4
	1756	1.1	0.3
26 Sa	0018	2.3	0.7
	0811	-0.7	-0.2
	1514	1.2	0.4
	1904	0.9	0.3
27 Su	0114	2.2	0.7
	0844	-0.5	-0.2
	1522	1.3	0.4
	1959	0.7	0.2
28 M	0209	2.1	0.6
	0912	-0.3	-0.1
	1537	1.4	0.4
	2052	0.5	0.2

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0301	1.9	0.6
	0941	0.0	0.0
	1552	1.5	0.5
	2147	0.3	0.1
2 W	0354	1.6	0.5
	0959	0.3	0.1
	1614	1.7	0.5
	2243	0.1	0.0
3 Th	0451	1.4	0.4
	1018	0.5	0.2
	1637	1.8	0.5
	2342	0.0	0.0
4 F	0600	1.1	0.3
	1036	0.7	0.2
	1709	1.9	0.6
5 Sa	0048	0.0	0.0
	0735	0.9	0.3
	1041	0.8	0.2
	1745	1.9	0.6
6 Su	0207	-0.1	0.0
	1838	1.9	0.6
7 M	0326	-0.1	0.0
	1945	1.9	0.6
8 Tu	0439	-0.2	-0.1
	2104	1.9	0.6
9 W	0536	-0.3	-0.1
	2214	1.9	0.6
10 Th	0626	-0.3	-0.1
	1355	1.2	0.4
	1657	1.1	0.3
	2312	1.9	0.6
11 F	0702	-0.3	-0.1
	1403	1.2	0.4
	1754	0.9	0.3
12 Sa	0002	2.0	0.6
	0731	-0.2	-0.1
	1410	1.2	0.4
	1833	0.8	0.2
13 Su	0043	2.0	0.6
	0756	-0.2	-0.1
	1418	1.3	0.4
	1912	0.6	0.2
14 M	0122	1.9	0.6
	0818	-0.1	0.0
	1429	1.4	0.4
	1951	0.5	0.2
15 Tu	0201	1.9	0.6
	0833	0.1	0.0
	1441	1.5	0.5
	2033	0.3	0.1
16 W	0240	1.7	0.5
	0851	0.2	0.1
	1501	1.7	0.5
	2115	0.1	0.0
17 Th	0325	1.6	0.5
	0913	0.4	0.1
	1521	1.9	0.6
	2204	0.0	0.0
18 F	0418	1.4	0.4
	0932	0.6	0.2
	1548	2.0	0.6
	2259	-0.1	0.0
19 Sa	0522	1.2	0.4
	0947	0.8	0.2
	1620	2.1	0.6
20 Su	0004	-0.2	-0.1
	0706	1.0	0.3
	0945	0.9	0.3
	1659	2.1	0.6
21 M	0124	-0.3	-0.1
	1748	2.1	0.6
22 Tu	0254	-0.3	-0.1
	1902	2.1	0.6
23 W	0419	-0.4	-0.1
	2035	2.0	0.6
24 Th	0525	-0.5	-0.2
	1359	1.4	0.4
	1603	1.3	0.4
	2208	2.0	0.6
25 F	0618	-0.5	-0.2
	1347	1.4	0.4
	1734	1.1	0.3
	2324	2.0	0.6
26 Sa	0701	-0.4	-0.1
	1353	1.4	0.4
	1830	0.8	0.2
27 Su	0027	2.0	0.6
	0736	-0.2	-0.1
	1404	1.5	0.5
	1924	0.6	0.2
28 M	0125	1.9	0.6
	0805	0.0	0.0
	1416	1.6	0.5
	2008	0.3	0.1
29 Tu	0218	1.8	0.5
	0823	0.3	0.1
	1430	1.8	0.5
	2052	0.1	0.0
30 W	0308	1.6	0.5
	0841	0.5	0.2
	1445	1.9	0.6
	2135	-0.1	0.0
31 Th	0400	1.4	0.4
	0857	0.7	0.2
	1507	2.0	0.6
	2221	-0.2	-0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0457	1.2	0.4	16 Sa	0439	1.3	0.4
	0911	0.9	0.3		0825	1.0	0.3
	1535	2.1	0.6		1459	2.4	0.7
	2313	-0.2	-0.1		2251	-0.4	-0.1
2 Sa	0612	1.1	0.3	17 Su	0607	1.1	0.3
	0916	1.0	0.3		0824	1.0	0.3
	1607	2.1	0.6		1535	2.4	0.7
					2359	-0.4	-0.1
3 Su	0012	-0.2	-0.1	18 M	1621	2.4	0.7
	1646	2.1	0.6				
4 M	0121	-0.1	0.0	19 Tu	0116	-0.3	-0.1
	1738	2.0	0.6		1721	2.2	0.7
5 Tu	0244	-0.1	0.0	20 W	0241	-0.3	-0.1
	1859	1.9	0.6		1850	2.1	0.6
6 W	0353	-0.1	0.0	21 Th	0355	-0.3	-0.1
	2029	1.8	0.5		1242	1.5	0.5
					1457	1.4	0.4
					2037	1.9	0.6
7 Th	0452	-0.1	0.0	22 F	0454	-0.2	-0.1
	1239	1.3	0.4		1226	1.6	0.5
	1551	1.2	0.4		1648	1.2	0.4
	2151	1.8	0.5		2216	1.9	0.6
8 F	0538	-0.1	0.0	23 Sa	0537	-0.1	0.0
	1243	1.4	0.4		1233	1.7	0.5
	1701	1.0	0.3		1752	0.9	0.3
	2254	1.8	0.5		2333	1.8	0.5
9 Sa	0614	0.0	0.0	24 Su	0615	0.1	0.0
	1252	1.4	0.4		1246	1.8	0.5
	1753	0.8	0.2		1845	0.5	0.2
	2349	1.8	0.5				
10 Su	0642	0.1	0.0	25 M	0038	1.7	0.5
	1303	1.5	0.5		0645	0.4	0.1
	1832	0.6	0.2		1301	1.9	0.6
					1927	0.2	0.1
11 M	0032	1.8	0.5	26 Tu	0135	1.6	0.5
	0700	0.2	0.1		0706	0.6	0.2
	1314	1.6	0.5		1317	2.0	0.6
	1910	0.4	0.1		2006	0.0	0.0
12 Tu	0117	1.7	0.5	27 W	0229	1.5	0.5
	0722	0.4	0.1		0724	0.8	0.2
	1326	1.8	0.5		1331	2.2	0.7
	1946	0.2	0.1		2048	-0.2	-0.1
13 W	0159	1.7	0.5	28 Th	0322	1.4	0.4
	0737	0.5	0.2		0735	1.0	0.3
	1344	2.0	0.6		1353	2.3	0.7
	2027	0.0	0.0		2127	-0.3	-0.1
14 Th	0243	1.5	0.5	29 F	0418	1.3	0.4
	0755	0.7	0.2		0747	1.1	0.3
	1402	2.1	0.6		1418	2.4	0.7
	2106	-0.2	-0.1		2209	-0.3	-0.1
15 F	0335	1.4	0.4	30 Sa	0518	1.2	0.4
	0810	0.8	0.2		0750	1.1	0.3
	1427	2.3	0.7		1447	2.4	0.7
	2155	-0.3	-0.1		2251	-0.2	-0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	1526	2.3	0.7	16 M	1514	2.7	0.8
	2345	-0.2	-0.1		2356	-0.4	-0.1
2 M	1605	2.3	0.7	17 Tu	1607	2.5	0.8
3 Tu	0048	-0.1	0.0	18 W	0103	-0.3	-0.1
	1704	2.1	0.6		1712	2.3	0.7
4 W	0154	0.0	0.0	19 Th	0211	-0.2	-0.1
	1817	2.0	0.6		1849	2.0	0.6
5 Th	0300	0.0	0.0	20 F	0310	0.0	0.0
	1121	1.4	0.4		1055	1.7	0.5
	1342	1.3	0.4		1531	1.4	0.4
	1949	1.9	0.6		2038	1.8	0.5
6 F	0353	0.1	0.0	21 Sa	0403	0.2	0.1
	1118	1.5	0.5		1107	1.8	0.5
	1539	1.2	0.4		1652	1.0	0.3
	2112	1.8	0.5		2219	1.7	0.5
7 Sa	0433	0.2	0.1	22 Su	0445	0.4	0.1
	1131	1.6	0.5		1125	2.0	0.6
	1644	1.0	0.3		1751	0.6	0.2
	2225	1.7	0.5		2341	1.6	0.5
8 Su	0511	0.3	0.1	23 M	0520	0.7	0.2
	1142	1.7	0.5		1147	2.2	0.7
	1737	0.7	0.2		1838	0.3	0.1
	2325	1.7	0.5				
9 M	0536	0.5	0.2	24 Tu	0051	1.5	0.5
	1157	1.9	0.6		0544	0.9	0.3
	1819	0.5	0.2		1205	2.3	0.7
					1924	0.1	0.0
10 Tu	0019	1.6	0.5	25 W	0157	1.5	0.5
	0558	0.6	0.2		0606	1.1	0.3
	1212	2.0	0.6		1227	2.4	0.7
	1858	0.2	0.1		2001	-0.1	0.0
11 W	0114	1.6	0.5	26 Th	0257	1.4	0.4
	0619	0.8	0.2		0617	1.2	0.4
	1230	2.2	0.7		1250	2.5	0.8
	1937	0.0	0.0		2039	-0.2	-0.1
12 Th	0207	1.5	0.5	27 F	0352	1.4	0.4
	0634	1.0	0.3		0626	1.3	0.4
	1252	2.4	0.7		1315	2.6	0.8
	2019	-0.2	-0.1		2115	-0.2	-0.1
13 F	0302	1.4	0.4	28 Sa	1347	2.6	0.8
	0649	1.1	0.3		2156	-0.2	-0.1
	1317	2.6	0.8				
	2104	-0.4	-0.1				
14 Sa	0410	1.3	0.4	29 Su	1419	2.6	0.8
	0704	1.2	0.4		2239	-0.2	-0.1
	1349	2.7	0.8				
	2156	-0.5	-0.2				
15 Su	1430	2.7	0.8	30 M	1501	2.5	0.8
	2252	-0.5	-0.2		2326	-0.1	0.0
				31 Tu	1550	2.4	0.7

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0014	0.0	0.0	16 Th	0039	-0.1	0.0
	1645	2.3	0.7		0849	1.6	0.5
					1056	1.5	0.5
					1724	2.3	0.7
2 Th	0106	0.1	0.0	17 F	0132	0.1	0.0
	1748	2.1	0.6		0903	1.7	0.5
					1326	1.4	0.4
					1853	2.0	0.6
3 F	0154	0.2	0.1	18 Sa	0218	0.4	0.1
	0931	1.6	0.5		0927	1.9	0.6
	1321	1.4	0.4		1517	1.1	0.3
	1902	1.9	0.6		2037	1.7	0.5
4 Sa	0240	0.3	0.1	19 Su	0300	0.7	0.2
	0949	1.7	0.5		0954	2.1	0.6
	1502	1.2	0.4		1637	0.8	0.2
	2027	1.8	0.5		2223	1.5	0.5
5 Su	0323	0.5	0.2	20 M	0337	0.9	0.3
	1011	1.9	0.6		1024	2.3	0.7
	1613	1.0	0.3		1741	0.5	0.2
	2147	1.7	0.5		2355	1.5	0.5
6 M	0355	0.7	0.2	21 Tu	0409	1.1	0.3
	1033	2.0	0.6		1053	2.4	0.7
	1712	0.7	0.2		1831	0.2	0.1
	2308	1.6	0.5				
7 Tu	0426	0.9	0.3	22 W	0121	1.5	0.5
	1054	2.2	0.7		0438	1.3	0.4
	1801	0.4	0.1		1122	2.5	0.8
					1917	0.0	0.0
8 W	0018	1.5	0.5	23 Th	0236	1.5	0.5
	0451	1.1	0.3		0500	1.4	0.4
	1120	2.4	0.7		1152	2.6	0.8
	1846	0.1	0.0		1955	-0.1	0.0
9 Th	0128	1.5	0.5	24 F	1224	2.7	0.8
	0508	1.2	0.4		2034	-0.1	0.0
	1142	2.6	0.8				
	1932	-0.2	-0.1				
10 F	0235	1.5	0.5	25 Sa	1257	2.7	0.8
	0525	1.3	0.4		2109	-0.1	0.0
	1217	2.8	0.9				
	2017	-0.3	-0.1				
11 Sa	1253	2.9	0.9	26 Su	1335	2.7	0.8
	2106	-0.4	-0.1		2148	-0.1	0.0
12 Su	1335	3.0	0.9	27 M	1414	2.7	0.8
	2157	-0.5	-0.2		2223	0.0	0.0
13 M	1424	3.0	0.9	28 Tu	1456	2.7	0.8
	2253	-0.4	-0.1		2302	0.1	0.0
14 Tu	1514	2.8	0.9	29 W	0621	1.4	0.4
	2345	-0.3	-0.1		0834	1.3	0.4
					1541	2.6	0.8
					2338	0.2	0.1
15 W	1615	2.6	0.8	30 Th	0647	1.5	0.5
					0948	1.4	0.4
					1628	2.4	0.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0017	0.3	0.1
	0719	1.6	0.5
	1114	1.4	0.4
	1722	2.2	0.7
2 Sa	0052	0.4	0.1
	0747	1.8	0.5
	1242	1.3	0.4
	1824	2.0	0.6
3 Su	0127	0.6	0.2
	0819	1.9	0.6
	1418	1.1	0.3
	1948	1.8	0.5
4 M	0203	0.8	0.2
	0848	2.1	0.6
	1534	0.9	0.3
	2123	1.6	0.5
5 Tu	0238	1.0	0.3
	0921	2.2	0.7
	1643	0.6	0.2
	2304	1.5	0.5
6 W	0306	1.2	0.4
	0956	2.4	0.7
	1741	0.3	0.1
7 Th	0047	1.5	0.5
	0335	1.4	0.4
	1032	2.6	0.8
	1837	0.0	0.0
8 F	1113	2.8	0.9
	1930	-0.2	-0.1
9 Sa	1157	3.0	0.9
	2018	-0.3	-0.1
10 Su	1246	3.1	0.9
	2107	-0.4	-0.1
11 M	1336	3.1	0.9
	2153	-0.3	-0.1
12 Tu	1429	3.0	0.9
	2239	-0.2	-0.1
13 W	0600	1.5	0.5
	0825	1.4	0.4
	1524	2.8	0.9
	2318	0.0	0.0
14 Th	0623	1.6	0.5
	0959	1.4	0.4
	1626	2.5	0.8
15 F	0001	0.3	0.1
	0650	1.8	0.5
	1131	1.3	0.4
	1732	2.2	0.7

Day	Time h m	Height ft	Height m
16 Sa	0036	0.6	0.2
	0724	1.9	0.6
	1309	1.1	0.3
	1852	1.9	0.6
17 Su	0115	0.8	0.2
	0801	2.1	0.6
	1447	0.9	0.3
	2035	1.6	0.5
18 M	0147	1.1	0.3
	0836	2.3	0.7
	1611	0.7	0.2
	2237	1.5	0.5
19 Tu	0221	1.3	0.4
	0921	2.4	0.7
	1720	0.4	0.1
20 W	0037	1.5	0.5
	0253	1.4	0.4
	1005	2.5	0.8
	1816	0.3	0.1
21 Th	1051	2.6	0.8
	1904	0.1	0.0
22 F	1137	2.7	0.8
	1947	0.1	0.0
23 Sa	1216	2.7	0.8
	2025	0.1	0.0
24 Su	1255	2.8	0.9
	2058	0.1	0.0
25 M	0413	1.5	0.5
	0627	1.4	0.4
	1333	2.8	0.9
	2130	0.1	0.0
26 Tu	0421	1.5	0.5
	0713	1.4	0.4
	1412	2.8	0.9
	2159	0.2	0.1
27 W	0437	1.5	0.5
	0805	1.3	0.4
	1450	2.7	0.8
	2224	0.3	0.1
28 Th	0452	1.6	0.5
	0858	1.2	0.4
	1532	2.6	0.8
	2253	0.4	0.1
29 F	0514	1.7	0.5
	0954	1.2	0.4
	1615	2.4	0.7
	2321	0.5	0.2
30 Sa	0542	1.8	0.5
	1057	1.1	0.3
	1707	2.2	0.7
	2346	0.7	0.2
31 Su	0614	2.0	0.6
	1206	1.0	0.3
	1807	2.0	0.6

AUGUST

Day	Time h m	Height ft	Height m
1 M	0018	0.9	0.3
	0646	2.1	0.6
	1325	0.9	0.3
	1925	1.7	0.5
2 Tu	0046	1.1	0.3
	0725	2.2	0.7
	1451	0.7	0.2
	2116	1.5	0.5
3 W	0115	1.3	0.4
	0811	2.4	0.7
	1614	0.5	0.2
4 Th	0903	2.5	0.8
	1728	0.3	0.1
5 F	1001	2.7	0.8
	1829	0.0	0.0
6 Sa	1101	2.8	0.9
	1925	-0.1	0.0
7 Su	1157	3.0	0.9
	2011	-0.2	-0.1
8 M	0343	1.6	0.5
	0549	1.5	0.5
	1253	3.0	0.9
	2054	-0.2	-0.1
9 Tu	0358	1.6	0.5
	0657	1.4	0.4
	1348	3.0	0.9
	2133	0.0	0.0
10 W	0413	1.6	0.5
	0803	1.3	0.4
	1440	2.9	0.9
	2210	0.2	0.1
11 Th	0432	1.7	0.5
	0907	1.1	0.3
	1533	2.6	0.8
	2240	0.5	0.2
12 F	0453	1.9	0.6
	1014	1.0	0.3
	1631	2.3	0.7
	2309	0.7	0.2
13 Sa	0521	2.0	0.6
	1124	0.9	0.3
	1737	2.0	0.6
	2336	1.0	0.3
14 Su	0554	2.2	0.7
	1240	0.8	0.2
	1857	1.7	0.5
15 M	0001	1.2	0.4
	0633	2.3	0.7
	1405	0.7	0.2
	2049	1.5	0.5

Day	Time h m	Height ft	Height m
16 Tu	0023	1.4	0.4
	0720	2.3	0.7
	1535	0.6	0.2
17 W	0820	2.4	0.7
	1651	0.4	0.1
18 Th	0927	2.4	0.7
	1754	0.3	0.1
19 F	1033	2.5	0.8
	1846	0.3	0.1
20 Sa	0222	1.6	0.5
	0440	1.5	0.5
	1129	2.6	0.8
	1928	0.2	0.1
21 Su	0233	1.6	0.5
	0533	1.5	0.5
	1218	2.6	0.8
	2002	0.3	0.1
22 M	0246	1.6	0.5
	0616	1.4	0.4
	1256	2.7	0.8
	2031	0.3	0.1
23 Tu	0257	1.6	0.5
	0655	1.3	0.4
	1334	2.7	0.8
	2056	0.4	0.1
24 W	0306	1.6	0.5
	0734	1.1	0.3
	1407	2.6	0.8
	2117	0.5	0.2
25 Th	0317	1.7	0.5
	0815	1.0	0.3
	1446	2.6	0.8
	2139	0.6	0.2
26 F	0336	1.8	0.5
	0859	0.9	0.3
	1525	2.4	0.7
	2157	0.7	0.2
27 Sa	0357	2.0	0.6
	0945	0.8	0.2
	1608	2.3	0.7
	2221	0.8	0.2
28 Su	0419	2.1	0.6
	1038	0.7	0.2
	1658	2.1	0.6
	2246	1.0	0.3
29 M	0451	2.2	0.7
	1137	0.6	0.2
	1800	1.8	0.5
	2310	1.2	0.4
30 Tu	0527	2.3	0.7
	1249	0.6	0.2
	1935	1.6	0.5
	2330	1.4	0.4
31 W	0613	2.4	0.7
	1416	0.5	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0709	2.4	0.7
	1552	0.4	0.1
2 F	0825	2.5	0.8
	1712	0.2	0.1
3 Sa	0947	2.6	0.8
	1816	0.1	0.0
4 Su	1103	2.7	0.8
	1908	0.0	0.0
5 M	0218	1.7	0.5
	0539	1.5	0.5
	1208	2.8	0.9
	1950	0.0	0.0
6 Tu	0230	1.7	0.5
	0639	1.3	0.4
	1304	2.8	0.9
	2027	0.2	0.1
7 W	0245	1.7	0.5
	0732	1.0	0.3
	1400	2.7	0.8
	2059	0.4	0.1
8 Th	0257	1.8	0.5
	0824	0.8	0.2
	1451	2.5	0.8
	2124	0.7	0.2
9 F	0315	2.0	0.6
	0917	0.6	0.2
	1544	2.3	0.7
	2149	0.9	0.3
10 Sa	0337	2.1	0.6
	1009	0.5	0.2
	1641	2.0	0.6
	2208	1.1	0.3
11 Su	0403	2.3	0.7
	1105	0.4	0.1
	1747	1.8	0.5
	2226	1.3	0.4
12 M	0437	2.3	0.7
	1207	0.4	0.1
	1911	1.6	0.5
	2241	1.5	0.5
13 Tu	0516	2.4	0.7
	1323	0.5	0.2
14 W	0607	2.3	0.7
	1446	0.5	0.2
15 Th	0724	2.3	0.7
	1612	0.4	0.1

Day	Time h m	Height ft	Height m
16 F	0855	2.2	0.7
	1717	0.4	0.1
17 Sa	0058	1.7	0.5
	0354	1.6	0.5
	1017	2.3	0.7
	1810	0.4	0.1
18 Su	0113	1.7	0.5
	0501	1.4	0.4
	1120	2.4	0.7
	1850	0.4	0.1
19 M	0125	1.7	0.5
	0547	1.3	0.4
	1208	2.4	0.7
	1922	0.4	0.1
20 Tu	0136	1.7	0.5
	0630	1.1	0.3
	1247	2.4	0.7
	1947	0.5	0.2
21 W	0148	1.7	0.5
	0705	0.9	0.3
	1327	2.4	0.7
	2008	0.6	0.2
22 Th	0159	1.8	0.5
	0737	0.7	0.2
	1402	2.4	0.7
	2027	0.7	0.2
23 F	0212	2.0	0.6
	0813	0.6	0.2
	1439	2.3	0.7
	2042	0.9	0.3
24 Sa	0229	2.1	0.6
	0852	0.4	0.1
	1518	2.1	0.6
	2100	1.0	0.3
25 Su	0248	2.2	0.7
	0933	0.3	0.1
	1608	2.0	0.6
	2120	1.1	0.3
26 M	0316	2.3	0.7
	1023	0.3	0.1
	1704	1.8	0.5
	2140	1.3	0.4
27 Tu	0348	2.4	0.7
	1118	0.2	0.1
	1821	1.6	0.5
	2156	1.4	0.4
28 W	0426	2.4	0.7
	1231	0.2	0.1
29 Th	0517	2.4	0.7
	1359	0.3	0.1
30 F	0626	2.4	0.7
	1530	0.2	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0805	2.3	0.7	16 Su	0358	1.4	0.4
	1648	0.1	0.0		0948	2.0	0.6
					1715	0.4	0.1
2 Su	0051	1.7	0.5	17 M	0000	1.7	0.5
	0343	1.6	0.5		0457	1.2	0.4
	0948	2.3	0.7		1057	2.1	0.6
	1747	0.1	0.0		1754	0.5	0.2
3 M	0054	1.7	0.5	18 Tu	0015	1.7	0.5
	0507	1.4	0.4		0543	0.9	0.3
	1111	2.4	0.7		1153	2.1	0.6
	1833	0.2	0.1		1826	0.6	0.2
4 Tu	0109	1.8	0.5	19 W	0029	1.8	0.5
	0607	1.1	0.3		0621	0.7	0.2
	1217	2.4	0.7		1238	2.1	0.6
	1912	0.4	0.1		1847	0.7	0.2
5 W	0124	1.9	0.6	20 Th	0042	1.9	0.6
	0659	0.8	0.2		0657	0.5	0.2
	1312	2.3	0.7		1321	2.0	0.6
	1941	0.6	0.2		1906	0.9	0.3
6 Th	0138	2.0	0.6	21 F	0057	2.1	0.6
	0745	0.5	0.2		0731	0.3	0.1
	1412	2.2	0.7		1401	2.0	0.6
	2007	0.9	0.3		1924	1.0	0.3
7 F	0154	2.1	0.6	22 Sa	0110	2.2	0.7
	0827	0.3	0.1		0806	0.1	0.0
	1503	2.1	0.6		1443	1.9	0.6
	2028	1.1	0.3		1942	1.1	0.3
8 Sa	0211	2.3	0.7	23 Su	0131	2.3	0.7
	0911	0.1	0.0		0843	0.0	0.0
	1558	1.9	0.6		1532	1.8	0.5
	2047	1.3	0.4		1957	1.2	0.4
9 Su	0235	2.4	0.7	24 M	0159	2.5	0.8
	0957	0.0	0.0		0925	-0.1	0.0
	1654	1.7	0.5		1625	1.6	0.5
	2058	1.4	0.4		2013	1.3	0.4
10 M	0301	2.5	0.8	25 Tu	0228	2.5	0.8
	1045	0.0	0.0		1014	-0.2	-0.1
	1809	1.6	0.5		1736	1.5	0.5
	2106	1.5	0.5		2027	1.4	0.4
11 Tu	0336	2.4	0.7	26 W	0304	2.6	0.8
	1142	0.1	0.0		1111	-0.1	0.0
12 W	0419	2.4	0.7	27 Th	0349	2.5	0.8
	1248	0.2	0.1		1221	-0.1	0.0
13 Th	0514	2.2	0.7	28 F	0445	2.4	0.7
	1404	0.3	0.1		1342	0.0	0.0
14 F	0636	2.1	0.6	29 Sa	0607	2.2	0.7
	1521	0.4	0.1		1459	0.1	0.0
	2341	1.6	0.5		2333	1.7	0.5
15 Sa	0223	1.5	0.5	30 Su	0226	1.6	0.5
	0822	2.0	0.6		0803	2.0	0.6
	1625	0.4	0.1		1607	0.1	0.0
	2342	1.6	0.5		2330	1.7	0.5
				31 M	0421	1.3	0.4
					0950	2.0	0.6
					1703	0.3	0.1
					2347	1.8	0.5

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0523	0.9	0.3	16 W	0527	0.6	0.2
	1113	1.9	0.6		1128	1.7	0.5
	1745	0.5	0.2		1713	0.7	0.2
					2323	1.9	0.6
2 W	0003	1.9	0.6	17 Th	0606	0.3	0.1
	0617	0.6	0.2		1226	1.6	0.5
	1229	1.9	0.6		1738	0.9	0.3
	1817	0.7	0.2		2341	2.1	0.6
3 Th	0021	2.1	0.6	18 F	0645	0.1	0.0
	0700	0.2	0.1		1318	1.6	0.5
	1331	1.8	0.5		1759	1.0	0.3
	1845	1.0	0.3		2359	2.2	0.7
4 F	0039	2.2	0.7	19 Sa	0723	-0.1	0.0
	0743	0.0	0.0		1411	1.5	0.5
	1430	1.8	0.5		1818	1.2	0.4
	1907	1.2	0.4				
5 Sa	0101	2.3	0.7	20 Su	0021	2.4	0.7
	0825	-0.2	-0.1		0759	-0.3	-0.1
	1529	1.7	0.5		1504	1.5	0.5
	1922	1.3	0.4		1829	1.3	0.4
6 Su	0122	2.4	0.7	21 M	0050	2.5	0.8
	0906	-0.3	-0.1		0838	-0.4	-0.1
	1629	1.6	0.5		1600	1.4	0.4
	1930	1.4	0.4		1849	1.3	0.4
7 M	0147	2.5	0.8	22 Tu	0122	2.6	0.8
	0945	-0.3	-0.1		0923	-0.5	-0.2
	1729	1.5	0.5				
	1945	1.4	0.4				
8 Tu	0219	2.5	0.8	23 W	0159	2.6	0.8
	1031	-0.2	-0.1		1015	-0.5	-0.2
9 W	0258	2.4	0.7	24 Th	0244	2.6	0.8
	1120	-0.1	0.0		1111	-0.4	-0.1
10 Th	0343	2.3	0.7	25 F	0335	2.4	0.7
	1215	0.0	0.0		1215	-0.3	-0.1
11 F	0441	2.1	0.6	26 Sa	0442	2.2	0.7
	1319	0.1	0.0		1318	-0.2	-0.1
					2147	1.5	0.5
12 Sa	0600	1.9	0.6	27 Su	0030	1.4	0.4
	1422	0.2	0.1		0609	1.9	0.6
	2211	1.5	0.5		1421	0.0	0.0
					2155	1.6	0.5
13 Su	0209	1.4	0.4	28 M	0253	1.2	0.4
	0736	1.8	0.5		0802	1.7	0.5
	1519	0.3	0.1		1515	0.3	0.1
	2229	1.6	0.5		2217	1.8	0.5
14 M	0337	1.1	0.3	29 Tu	0421	0.8	0.2
	0909	1.7	0.5		0955	1.5	0.5
	1605	0.4	0.1		1600	0.5	0.2
	2246	1.7	0.5		2240	1.9	0.6
15 Tu	0436	0.9	0.3	30 W	0524	0.4	0.1
	1025	1.7	0.5		1128	1.5	0.5
	1644	0.6	0.2		1643	0.8	0.2
	2305	1.8	0.5		2303	2.1	0.6

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0617	0.0	0.0	16 F	0548	0.0	0.0
	1251	1.4	0.4		1226	1.3	0.4
	1717	1.0	0.3		1618	1.0	0.3
	2329	2.2	0.7		2245	2.1	0.6
2 F	0659	-0.2	-0.1	17 Sa	0630	-0.2	-0.1
	1405	1.4	0.4		1339	1.3	0.4
	1739	1.2	0.4		1638	1.1	0.3
	2354	2.3	0.7		2315	2.3	0.7
3 Sa	0743	-0.4	-0.1	18 Su	0712	-0.5	-0.2
	1511	1.4	0.4		1449	1.3	0.4
	1754	1.3	0.4		1658	1.2	0.4
					2347	2.4	0.7
4 Su	0016	2.4	0.7	19 M	0754	-0.6	-0.2
	0821	-0.5	-0.2				
5 M	0048	2.4	0.7	20 Tu	0026	2.5	0.8
	0858	-0.5	-0.2		0839	-0.7	-0.2
6 Tu	0120	2.4	0.7	21 W	0105	2.6	0.8
	0937	-0.5	-0.2		0925	-0.7	-0.2
7 W	0159	2.4	0.7	22 Th	0154	2.6	0.8
	1018	-0.4	-0.1		1015	-0.7	-0.2
8 Th	0241	2.3	0.7	23 F	0246	2.5	0.8
	1101	-0.3	-0.1		1105	-0.6	-0.2
9 F	0330	2.2	0.7	24 Sa	0341	2.2	0.7
	1146	-0.2	-0.1		1151	-0.4	-0.1
	1940	1.3	0.4		1931	1.4	0.4
	2202	1.2	0.4		2300	1.2	0.4
10 Sa	0425	2.0	0.6	25 Su	0451	1.9	0.6
	1234	-0.1	0.0		1238	-0.1	0.0
	2009	1.4	0.4		2000	1.5	0.5
	2343	1.2	0.4				
11 Su	0535	1.8	0.5	26 M	0054	1.0	0.3
	1320	0.1	0.0		0617	1.6	0.5
	2034	1.5	0.5		1326	0.1	0.0
					2028	1.6	0.5
12 M	0128	1.1	0.3	27 Tu	0243	0.7	0.2
	0652	1.6	0.5		0806	1.3	0.4
	1404	0.3	0.1		1408	0.4	0.1
	2106	1.6	0.5		2100	1.8	0.5
13 Tu	0254	0.9	0.3	28 W	0407	0.3	0.1
	0820	1.4	0.4		1006	1.1	0.3
	1443	0.4	0.1		1447	0.7	0.2
	2130	1.7	0.5		2136	2.0	0.6
14 W	0403	0.6	0.2	29 Th	0511	0.0	0.0
	0947	1.3	0.4		1202	1.1	0.3
	1521	0.6	0.2		1523	1.0	0.3
	2155	1.9	0.6		2211	2.1	0.6
15 Th	0455	0.3	0.1	30 F	0607	-0.3	-0.1
	1112	1.3	0.4		1348	1.2	0.4
	1553	0.8	0.2		1554	1.1	0.3
	2220	2.0	0.6		2244	2.2	0.7
				31 Sa	0653	-0.5	-0.2
					2319	2.3	0.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0231	3.7	1.1	16	0249	3.0	0.9
Sa	0946	-1.3	-0.4	Su	0945	-0.7	-0.2
	1636	2.7	0.8		1624	2.5	0.8
	2130	1.3	0.4		2139	0.9	0.3
2	0317	3.5	1.1	17	0325	2.9	0.9
Su	1030	-1.0	-0.3	M	1014	-0.6	-0.2
	1716	2.6	0.8		1649	2.5	0.8
	2220	1.2	0.4		2215	0.8	0.2
3	0410	3.3	1.0	18	0403	2.8	0.9
M	1115	-0.6	-0.2	Tu	1043	-0.4	-0.1
	1758	2.5	0.8		1716	2.6	0.8
	2316	1.0	0.3		2259	0.7	0.2
4	0508	2.9	0.9	19	0444	2.6	0.8
Tu	1201	-0.2	-0.1	W	1115	-0.1	0.0
	1838	2.5	0.8		1748	2.6	0.8
					2348	0.6	0.2
5	0025	0.9	0.3	20	0535	2.3	0.7
W	0617	2.5	0.8	Th	1153	0.2	0.1
	1247	0.3	0.1		1825	2.6	0.8
	1920	2.5	0.8				
6	0143	0.7	0.2	21	0047	0.4	0.1
Th	0743	2.1	0.6	F	0643	2.1	0.6
	1341	0.7	0.2		1235	0.5	0.2
	2008	2.6	0.8		1903	2.6	0.8
7	0304	0.4	0.1	22	0156	0.2	0.1
F	0928	2.0	0.6	Sa	0813	1.9	0.6
	1444	1.1	0.3		1327	0.9	0.3
	2101	2.6	0.8		1953	2.7	0.8
8	0415	0.1	0.0	23	0311	-0.1	0.0
Sa	1108	2.0	0.6	Su	1005	1.8	0.5
	1557	1.3	0.4		1436	1.3	0.4
	2153	2.7	0.8		2050	2.7	0.8
9	0517	-0.2	-0.1	24	0428	-0.4	-0.1
Su	1220	2.2	0.7	M	1146	2.0	0.6
	1705	1.4	0.4		1603	1.5	0.5
	2250	2.8	0.9		2153	2.8	0.9
10	0610	-0.5	-0.2	25	0535	-0.8	-0.2
M	1315	2.3	0.7	Tu	1257	2.3	0.7
	1805	1.5	0.5		1722	1.6	0.5
	2336	2.8	0.9		2300	3.0	0.9
11	0655	-0.7	-0.2	26	0634	-1.2	-0.4
Tu	1354	2.4	0.7	W	1346	2.5	0.8
	1850	1.4	0.4		1824	1.5	0.5
					2359	3.2	1.0
12	0021	2.9	0.9	27	0725	-1.5	-0.5
W	0735	-0.8	-0.2	Th	1429	2.6	0.8
	1430	2.5	0.8		1916	1.3	0.4
	1929	1.3	0.4				
13	0103	3.0	0.9	28	0055	3.4	1.0
Th	0812	-0.8	-0.2	F	0812	-1.6	-0.5
	1502	2.5	0.8		1506	2.6	0.8
	2003	1.2	0.4		2002	1.1	0.3
14	0140	3.0	0.9	29	0148	3.5	1.1
F	0844	-0.8	-0.2	Sa	0854	-1.5	-0.5
	1530	2.5	0.8		1541	2.6	0.8
	2035	1.1	0.3		2048	0.8	0.2
15	0215	3.0	0.9	30	0236	3.5	1.1
Sa	0914	-0.8	-0.2	Su	0936	-1.3	-0.4
	1557	2.5	0.8		1610	2.6	0.8
	2104	1.0	0.3		2130	0.6	0.2
				31	0325	3.3	1.0
				M	1012	-0.9	-0.3
					1639	2.6	0.8
					2213	0.4	0.1

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0414	3.0	0.9	16	0355	2.7	0.8
Tu	1047	-0.5	-0.2	W	1011	-0.3	-0.1
	1707	2.6	0.8		1631	2.8	0.9
	2303	0.2	0.1		2236	0.0	0.0
2	0503	2.7	0.8	17	0434	2.5	0.8
W	1121	0.0	0.0	Th	1039	-0.1	0.0
	1739	2.6	0.8		1657	2.8	0.9
	2355	0.1	0.0		2316	-0.1	0.0
3	0601	2.3	0.7	18	0521	2.3	0.7
Th	1156	0.4	0.1	F	1111	0.3	0.1
	1809	2.6	0.8		1723	2.8	0.9
4	0054	0.0	0.0	19	0008	-0.2	-0.1
F	0712	1.9	0.6	Sa	0621	2.0	0.6
	1232	0.8	0.2		1142	0.7	0.2
	1848	2.6	0.8		1758	2.8	0.9
5	0205	0.0	0.0	20	0107	-0.3	-0.1
Sa	0849	1.7	0.5	Su	0745	1.8	0.5
	1317	1.2	0.4		1222	1.1	0.3
	1936	2.5	0.8		1844	2.7	0.8
6	0326	-0.1	0.0	21	0229	-0.4	-0.1
Su	1056	1.7	0.5	M	0958	1.7	0.5
	1436	1.5	0.5		1325	1.5	0.5
	2044	2.4	0.7		1944	2.7	0.8
7	0445	-0.2	-0.1	22	0400	-0.6	-0.2
M	1223	1.9	0.6	Tu	1203	1.9	0.6
	1624	1.6	0.5		1523	1.7	0.5
	2201	2.4	0.7		2115	2.6	0.8
8	0551	-0.4	-0.1	23	0520	-0.8	-0.2
Tu	1313	2.1	0.6	W	1300	2.2	0.7
	1746	1.4	0.4		1717	1.6	0.5
	2314	2.5	0.8		2245	2.8	0.9
9	0642	-0.6	-0.2	24	0623	-1.1	-0.3
W	1346	2.2	0.7	Th	1337	2.4	0.7
	1842	1.3	0.4		1826	1.3	0.4
					2357	3.0	0.9
10	0012	2.6	0.8	25	0716	-1.3	-0.4
Th	0723	-0.7	-0.2	F	1412	2.6	0.8
	1416	2.3	0.7		1916	1.0	0.3
	1921	1.1	0.3				
11	0058	2.8	0.9	26	0100	3.2	1.0
F	0759	-0.8	-0.2	Sa	0801	-1.3	-0.4
	1442	2.4	0.7		1441	2.7	0.8
	1956	0.9	0.3		1959	0.6	0.2
12	0137	2.9	0.9	27	0152	3.3	1.0
Sa	0828	-0.8	-0.2	Su	0840	-1.2	-0.4
	1504	2.5	0.8		1506	2.7	0.8
	2025	0.7	0.2		2041	0.2	0.1
13	0212	2.9	0.9	28	0241	3.3	1.0
Su	0857	-0.8	-0.2	M	0914	-0.9	-0.3
	1526	2.5	0.8		1531	2.8	0.9
	2057	0.5	0.2		2120	-0.1	0.0
14	0245	2.9	0.9				
M	0921	-0.7	-0.2				
	1548	2.6	0.8				
	2129	0.4	0.1				
15	0319	2.8	0.9				
Tu	0946	-0.5	-0.2				
	1606	2.7	0.8				
	2158	0.2	0.1				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0326	3.2	1.0	16	0311	2.9	0.9
Tu	0948	-0.5	-0.2	W	0913	-0.2	-0.1
	1556	2.8	0.9		1522	3.0	0.9
	2202	-0.3	-0.1		2136	-0.3	-0.1
2	0410	2.9	0.9	17	0346	2.8	0.9
W	1016	-0.1	0.0	Th	0941	0.1	0.0
	1620	2.9	0.9		1544	3.1	0.9
	2239	-0.4	-0.1		2211	-0.5	-0.2
3	0455	2.6	0.8	18	0427	2.6	0.8
Th	1042	0.3	0.1	F	1006	0.4	0.1
	1644	2.9	0.9		1609	3.1	0.9
	2321	-0.4	-0.1		2252	-0.6	-0.2
4	0544	2.2	0.7	19	0515	2.4	0.7
F	1107	0.7	0.2	Sa	1031	0.7	0.2
	1710	2.8	0.9		1638	3.1	0.9
					2339	-0.6	-0.2
5	0010	-0.3	-0.1	20	0611	2.1	0.6
Sa	0641	1.9	0.6	Su	1103	1.1	0.3
	1134	1.0	0.3		1710	3.1	0.9
	1742	2.7	0.8				
6	0107	-0.2	-0.1	21	0041	-0.5	-0.2
Su	0808	1.6	0.5	M	0743	1.8	0.5
	1204	1.3	0.4		1137	1.4	0.4
	1825	2.5	0.8		1756	2.9	0.9
7	0229	0.0	0.0	22	0201	-0.4	-0.1
M	1040	1.6	0.5	Tu	1013	1.8	0.5
	1303	1.5	0.5		1234	1.7	0.5
	1934	2.3	0.7		1907	2.7	0.8
8	0405	0.0	0.0	23	0342	-0.4	-0.1
Tu	1213	1.8	0.5	W	1157	2.1	0.6
	1552	1.7	0.5		1528	1.9	0.6
	2123	2.2	0.7		2100	2.6	0.8
9	0522	-0.2	-0.1	24	0506	-0.6	-0.2
W	1251	2.0	0.6	Th	1236	2.3	0.7
	1735	1.5	0.5		1722	1.6	0.5
	2258	2.4	0.7		2246	2.7	0.8
10	0618	-0.3	-0.1	25	0607	-0.7	-0.2
Th	1317	2.2	0.7	F	1308	2.6	0.8
	1826	1.2	0.4		1823	1.1	0.3
11	0001	2.5	0.8	26	0002	3.0	0.9
F	0700	-0.5	-0.2	Sa	0658	-0.8	-0.2
	1342	2.4	0.7		1335	2.8	0.9
	1907	0.9	0.3		1909	0.6	0.2
12	0050	2.7	0.8	27	0103	3.2	1.0
Sa	0733	-0.5	-0.2	Su	0737	-0.7	-0.2
	1404	2.6	0.8		1402	2.9	0.9
	1939	0.6	0.2		1950	0.2	0.1
13	0129	2.8	0.9	28	0153	3.3	1.0
Su	0801	-0.5	-0.2	M	0812	-0.5	-0.2
	1425	2.7	0.8		1424	3.0	0.9
	2011	0.3	0.1		2027	-0.2	-0.1
14	0204	2.9	0.9	29	0238	3.2	1.0
M	0828	-0.5	-0.2	Tu	0845	-0.1	0.0
	1444	2.8	0.9		1448	3.1	0.9
	2039	0.1	0.0		2103	-0.5	-0.2
15	0237	2.9	0.9	30	0322	3.1	0.9
Tu	0851	-0.3	-0.1	W	0913	0.2	0.1
	1504	2.9	0.9		1510	3.2	1.0
	2108	-0.1	0.0		2139	-0.6	-0.2
				31	0402	2.9	0.9
				Th	0941	0.5	0.2
					1533	3.2	1.0
					2214	-0.6	-0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0441	2.6	0.8	16 Sa	0425	2.8	0.9
	1004	0.9	0.3		0935	1.0	0.3
	1556	3.2	1.0		1531	3.6	1.1
	2252	-0.5	-0.2		2234	-0.8	-0.2
2 Sa	0523	2.3	0.7	17 Su	0516	2.5	0.8
	1026	1.1	0.3		1004	1.3	0.4
	1622	3.1	0.9		1602	3.5	1.1
	2336	-0.4	-0.1		2324	-0.7	-0.2
3 Su	0617	2.1	0.6	18 M	0619	2.3	0.7
	1050	1.3	0.4		1034	1.6	0.5
	1655	2.9	0.9		1641	3.4	1.0
4 M	0027	-0.1	0.0	19 Tu	0025	-0.5	-0.2
	0733	1.8	0.5		0756	2.1	0.6
	1118	1.6	0.5		1116	1.8	0.5
	1737	2.7	0.8		1735	3.1	0.9
5 Tu	0139	0.1	0.0	20 W	0146	-0.2	-0.1
	0951	1.8	0.5		0959	2.2	0.7
	1217	1.7	0.5		1302	2.0	0.6
	1846	2.4	0.7		1901	2.8	0.9
6 W	0315	0.2	0.1	21 Th	0320	-0.1	0.0
	1124	2.0	0.6		1112	2.4	0.7
	1523	1.8	0.5		1545	1.9	0.6
	2046	2.3	0.7		2105	2.7	0.8
7 Th	0440	0.2	0.1	22 F	0439	-0.1	0.0
	1202	2.2	0.7		1149	2.7	0.8
	1707	1.5	0.5		1712	1.4	0.4
	2229	2.4	0.7		2248	2.8	0.9
8 F	0536	0.1	0.0	23 Sa	0541	-0.1	0.0
	1228	2.5	0.8		1220	2.9	0.9
	1759	1.1	0.3		1807	0.9	0.3
	2341	2.6	0.8				
9 Sa	0618	0.0	0.0	24 Su	0000	3.0	0.9
	1253	2.7	0.8		0627	0.0	0.0
	1840	0.8	0.2		1248	3.1	0.9
					1852	0.3	0.1
10 Su	0031	2.8	0.9	25 M	0100	3.2	1.0
	0653	0.0	0.0		0708	0.2	0.1
	1316	2.9	0.9		1315	3.3	1.0
	1913	0.4	0.1		1931	-0.1	0.0
11 M	0113	2.9	0.9	26 Tu	0149	3.2	1.0
	0722	0.0	0.0		0743	0.5	0.2
	1336	3.1	0.9		1340	3.4	1.0
	1944	0.1	0.0		2007	-0.4	-0.1
12 Tu	0149	3.0	0.9	27 W	0233	3.2	1.0
	0751	0.1	0.0		0813	0.7	0.2
	1357	3.2	1.0		1406	3.5	1.1
	2013	-0.2	-0.1		2045	-0.6	-0.2
13 W	0226	3.0	0.9	28 Th	0315	3.1	0.9
	0816	0.3	0.1		0840	1.0	0.3
	1416	3.3	1.0		1428	3.5	1.1
	2044	-0.5	-0.2		2117	-0.6	-0.2
14 Th	0303	3.0	0.9	29 F	0353	2.9	0.9
	0841	0.5	0.2		0905	1.2	0.4
	1437	3.4	1.0		1453	3.5	1.1
	2117	-0.7	-0.2		2153	-0.6	-0.2
15 F	0340	2.9	0.9	30 Sa	0431	2.7	0.8
	0906	0.8	0.2		0929	1.4	0.4
	1504	3.5	1.1		1519	3.5	1.1
	2153	-0.8	-0.2		2228	-0.4	-0.1

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0513	2.5	0.8	16 M	0522	2.7	0.8
	0956	1.6	0.5		0948	1.8	0.5
	1551	3.4	1.0		1543	3.9	1.2
	2307	-0.2	-0.1		2319	-0.5	-0.2
2 M	0603	2.3	0.7	17 Tu	0627	2.6	0.8
	1024	1.7	0.5		1031	2.0	0.6
	1626	3.2	1.0		1635	3.6	1.1
	2358	0.1	0.0				
3 Tu	0707	2.2	0.7	18 W	0019	-0.3	-0.1
	1108	1.8	0.5		0744	2.5	0.8
	1712	2.9	0.9		1145	2.1	0.6
					1737	3.3	1.0
4 W	0102	0.3	0.1	19 Th	0128	0.0	0.0
	0838	2.2	0.7		0903	2.6	0.8
	1227	2.0	0.6		1337	2.1	0.6
	1819	2.7	0.8		1910	3.0	0.9
5 Th	0219	0.5	0.2	20 F	0247	0.3	0.1
	0957	2.3	0.7		1003	2.8	0.9
	1445	1.9	0.6		1532	1.7	0.5
	2004	2.5	0.8		2103	2.8	0.9
6 F	0336	0.6	0.2	21 Sa	0359	0.5	0.2
	1048	2.6	0.8		1046	3.0	0.9
	1621	1.6	0.5		1650	1.2	0.4
	2150	2.5	0.8		2242	2.9	0.9
7 Sa	0436	0.6	0.2	22 Su	0459	0.7	0.2
	1122	2.8	0.9		1125	3.2	1.0
	1723	1.2	0.4		1746	0.7	0.2
	2306	2.7	0.8		2357	3.0	0.9
8 Su	0522	0.6	0.2	23 M	0550	0.9	0.3
	1152	3.0	0.9		1159	3.4	1.0
	1805	0.8	0.2		1831	0.2	0.1
9 M	0002	2.8	0.9	24 Tu	0055	3.1	0.9
	0605	0.6	0.2		0632	1.1	0.3
	1220	3.2	1.0		1228	3.6	1.1
	1841	0.3	0.1		1913	-0.1	0.0
10 Tu	0052	3.0	0.9	25 W	0145	3.2	1.0
	0639	0.7	0.2		0708	1.3	0.4
	1244	3.4	1.0		1300	3.7	1.1
	1913	0.0	0.0		1950	-0.4	-0.1
11 W	0135	3.1	0.9	26 Th	0231	3.2	1.0
	0711	0.9	0.3		0743	1.5	0.5
	1309	3.6	1.1		1328	3.7	1.1
	1948	-0.4	-0.1		2027	-0.4	-0.1
12 Th	0215	3.1	0.9	27 F	0309	3.1	0.9
	0740	1.1	0.3		0811	1.6	0.5
	1333	3.7	1.1		1357	3.8	1.2
	2023	-0.6	-0.2		2101	-0.4	-0.1
13 F	0258	3.1	0.9	28 Sa	0348	3.0	0.9
	0811	1.3	0.4		0840	1.7	0.5
	1401	3.9	1.2		1425	3.7	1.1
	2101	-0.8	-0.2		2137	-0.3	-0.1
14 Sa	0343	3.0	0.9	29 Su	0427	2.9	0.9
	0840	1.5	0.5		0908	1.8	0.5
	1430	4.0	1.2		1457	3.7	1.1
	2141	-0.8	-0.2		2212	-0.2	-0.1
15 Su	0429	2.9	0.9	30 M	0503	2.7	0.8
	0913	1.7	0.5		0938	1.9	0.6
	1507	4.0	1.2		1530	3.6	1.1
	2226	-0.7	-0.2		2252	0.0	0.0
				31 Tu	0545	2.6	0.8
					1015	1.9	0.6
					1609	3.4	1.0
					2336	0.2	0.1

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0638	2.6	0.8	16 Th	0006	0.0	0.0
	1108	2.0	0.6		0708	2.9	0.9
	1700	3.2	1.0		1201	2.0	0.6
					1749	3.4	1.0
2 Th	0027	0.5	0.2	17 F	0104	0.4	0.1
	0732	2.6	0.8		0800	3.0	0.9
	1222	2.0	0.6		1330	1.8	0.5
	1802	3.0	0.9		1912	3.1	0.9
3 F	0122	0.7	0.2	18 Sa	0204	0.8	0.2
	0831	2.7	0.8		0852	3.1	0.9
	1359	1.9	0.6		1501	1.4	0.4
	1925	2.7	0.8		2054	2.9	0.9
4 Sa	0224	0.8	0.2	19 Su	0306	1.1	0.3
	0923	2.9	0.9		0939	3.3	1.0
	1524	1.6	0.5		1617	1.0	0.3
	2058	2.6	0.8		2229	2.8	0.9
5 Su	0324	1.0	0.3	20 M	0409	1.4	0.4
	1005	3.1	0.9		1025	3.4	1.0
	1631	1.2	0.4		1720	0.6	0.2
	2224	2.7	0.8		2349	2.9	0.9
6 M	0416	1.1	0.3	21 Tu	0504	1.6	0.5
	1042	3.3	1.0		1107	3.6	1.1
	1722	0.8	0.2		1811	0.2	0.1
	2333	2.8	0.9				
7 Tu	0509	1.3	0.4	22 W	0051	3.0	0.9
	1117	3.5	1.1		0557	1.8	0.5
	1805	0.3	0.1		1149	3.7	1.1
					1857	0.0	0.0
8 W	0031	3.0	0.9	23 Th	0143	3.1	0.9
	0553	1.4	0.4		0639	1.9	0.6
	1149	3.7	1.1		1226	3.8	1.2
	1847	-0.1	0.0		1936	-0.1	0.0
9 Th	0122	3.1	0.9	24 F	0225	3.1	0.9
	0632	1.6	0.5		0717	1.9	0.6
	1224	3.9	1.2		1303	3.8	1.2
	1927	-0.4	-0.1		2015	-0.2	-0.1
10 F	0212	3.2	1.0	25 Sa	0304	3.1	0.9
	0710	1.7	0.5		0753	2.0	0.6
	1259	4.1	1.2		1338	3.9	1.2
	2008	-0.6	-0.2		2050	-0.1	0.0
11 Sa	0257	3.2	1.0	26 Su	0341	3.0	0.9
	0746	1.9	0.6		0825	2.0	0.6
	1335	4.2	1.3		1413	3.9	1.2
	2052	-0.8	-0.2		2125	-0.1	0.0
12 Su	0343	3.1	0.9	27 M	0414	3.0	0.9
	0824	1.9	0.6		0857	2.0	0.6
	1414	4.3	1.3		1448	3.8	1.2
	2136	-0.8	-0.2		2159	0.1	0.0
13 M	0431	3.1	0.9	28 Tu	0445	2.9	0.9
	0903	2.0	0.6		0933	1.9	0.6
	1458	4.2	1.3		1524	3.7	1.1
	2223	-0.6	-0.2		2234	0.2	0.1
14 Tu	0523	3.0	0.9	29 W	0518	2.9	0.9
	0949	2.0	0.6		1012	1.9	0.6
	1545	4.1	1.2		1606	3.6	1.1
	2313	-0.4	-0.1		2310	0.4	0.1
15 W	0612	2.9	0.9	30 Th	0553	3.0	0.9
	1047	2.0	0.6		1100	1.9	0.6
	1639	3.8	1.2		1648	3.4	1.0
					2348	0.6	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0632	3.0	0.9
	1201	1.8	0.5
	1742	3.2	1.0
2 Sa	0028	0.8	0.2
	0715	3.1	0.9
	1306	1.7	0.5
	1849	2.9	0.9
3 Su	0118	1.1	0.3
	0800	3.2	1.0
	1421	1.4	0.4
	2010	2.8	0.9
4 M	0211	1.3	0.4
	0845	3.3	1.0
	1531	1.1	0.3
	2144	2.7	0.8
5 Tu	0309	1.6	0.5
	0931	3.5	1.1
	1634	0.7	0.2
	2309	2.8	0.9
6 W	0412	1.8	0.5
	1018	3.6	1.1
	1733	0.3	0.1
7 Th	0019	3.0	0.9
	0509	2.0	0.6
	1106	3.8	1.2
	1824	-0.1	0.0
8 F	0120	3.1	0.9
	0603	2.1	0.6
	1149	4.0	1.2
	1913	-0.4	-0.1
9 Sa	0212	3.2	1.0
	0648	2.1	0.6
	1237	4.2	1.3
	1959	-0.6	-0.2
10 Su	0255	3.3	1.0
	0735	2.1	0.6
	1324	4.4	1.3
	2047	-0.7	-0.2
11 M	0340	3.3	1.0
	0820	2.0	0.6
	1411	4.4	1.3
	2130	-0.6	-0.2
12 Tu	0419	3.2	1.0
	0906	1.9	0.6
	1500	4.4	1.3
	2215	-0.4	-0.1
13 W	0458	3.2	1.0
	0956	1.8	0.5
	1553	4.2	1.3
	2258	-0.1	0.0
14 Th	0537	3.2	1.0
	1049	1.6	0.5
	1647	3.9	1.2
	2340	0.3	0.1
15 F	0614	3.2	1.0
	1152	1.5	0.5
	1750	3.5	1.1
16 Sa	0026	0.8	0.2
	0654	3.3	1.0
	1303	1.3	0.4
	1904	3.1	0.9
17 Su	0112	1.3	0.4
	0739	3.4	1.0
	1419	1.1	0.3
	2033	2.8	0.9
18 M	0207	1.7	0.5
	0830	3.4	1.0
	1537	0.9	0.3
	2216	2.7	0.8
19 Tu	0313	2.0	0.6
	0923	3.5	1.1
	1651	0.6	0.2
	2343	2.8	0.9
20 W	0422	2.1	0.6
	1022	3.6	1.1
	1749	0.4	0.1
21 Th	0051	2.9	0.9
	0528	2.2	0.7
	1119	3.6	1.1
	1842	0.2	0.1
22 F	0141	3.0	0.9
	0623	2.1	0.6
	1212	3.7	1.1
	1924	0.1	0.0
23 Sa	0217	3.1	0.9
	0706	2.1	0.6
	1254	3.8	1.2
	2006	0.1	0.0
24 Su	0253	3.1	0.9
	0743	2.0	0.6
	1332	3.9	1.2
	2041	0.1	0.0
25 M	0324	3.1	0.9
	0818	1.9	0.6
	1409	3.9	1.2
	2111	0.1	0.0
26 Tu	0346	3.1	0.9
	0850	1.8	0.5
	1444	3.9	1.2
	2143	0.2	0.1
27 W	0411	3.2	1.0
	0925	1.7	0.5
	1519	3.8	1.2
	2211	0.3	0.1
28 Th	0436	3.2	1.0
	1001	1.6	0.5
	1554	3.7	1.1
	2236	0.5	0.2
29 F	0503	3.3	1.0
	1039	1.5	0.5
	1636	3.5	1.1
	2308	0.7	0.2
30 Sa	0532	3.4	1.0
	1125	1.4	0.4
	1721	3.3	1.0
	2340	1.0	0.3
31 Su	0604	3.4	1.0
	1217	1.3	0.4
	1818	3.1	0.9

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0019	1.3	0.4
	0640	3.4	1.0
	1319	1.1	0.3
	1933	2.8	0.9
2 Tu	0104	1.6	0.5
	0728	3.5	1.1
	1435	1.0	0.3
	2107	2.7	0.8
3 W	0203	2.0	0.6
	0822	3.5	1.1
	1555	0.7	0.2
	2256	2.8	0.9
4 Th	0319	2.2	0.7
	0926	3.6	1.1
	1704	0.3	0.1
5 F	0020	3.0	0.9
	0442	2.3	0.7
	1032	3.8	1.2
	1807	0.0	0.0
6 Sa	0119	3.1	0.9
	0549	2.3	0.7
	1136	4.0	1.2
	1903	-0.3	-0.1
7 Su	0205	3.3	1.0
	0644	2.2	0.7
	1235	4.3	1.3
	1951	-0.5	-0.2
8 M	0240	3.4	1.0
	0731	2.0	0.6
	1327	4.4	1.3
	2037	-0.5	-0.2
9 Tu	0317	3.4	1.0
	0819	1.7	0.5
	1416	4.5	1.4
	2116	-0.3	-0.1
10 W	0347	3.4	1.0
	0903	1.4	0.4
	1505	4.4	1.3
	2155	-0.1	0.0
11 Th	0418	3.5	1.1
	0949	1.2	0.4
	1554	4.2	1.3
	2230	0.3	0.1
12 F	0447	3.5	1.1
	1035	1.0	0.3
	1646	3.8	1.2
	2308	0.8	0.2
13 Sa	0516	3.5	1.1
	1126	0.9	0.3
	1740	3.4	1.0
	2340	1.2	0.4
14 Su	0549	3.5	1.1
	1224	0.9	0.3
	1845	3.0	0.9
15 M	0017	1.7	0.5
	0628	3.5	1.1
	1330	0.9	0.3
	2011	2.7	0.8
16 Tu	0102	2.0	0.6
	0717	3.4	1.0
	1452	0.9	0.3
	2200	2.6	0.8
17 W	0210	2.3	0.7
	0824	3.4	1.0
	1616	0.8	0.2
	2351	2.7	0.8
18 Th	0353	2.4	0.7
	0945	3.4	1.0
	1730	0.7	0.2
19 F	0044	2.9	0.9
	0517	2.3	0.7
	1101	3.5	1.1
	1826	0.5	0.2
20 Sa	0124	3.0	0.9
	0615	2.1	0.6
	1202	3.6	1.1
	1913	0.4	0.1
21 Su	0156	3.1	0.9
	0700	1.9	0.6
	1248	3.8	1.2
	1949	0.3	0.1
22 M	0221	3.2	1.0
	0736	1.7	0.5
	1329	3.9	1.2
	2021	0.3	0.1
23 Tu	0246	3.3	1.0
	0806	1.5	0.5
	1406	4.0	1.2
	2049	0.3	0.1
24 W	0308	3.4	1.0
	0837	1.4	0.4
	1438	3.9	1.2
	2111	0.4	0.1
25 Th	0328	3.4	1.0
	0909	1.2	0.4
	1510	3.9	1.2
	2136	0.6	0.2
26 F	0347	3.5	1.1
	0941	1.1	0.3
	1543	3.8	1.2
	2201	0.8	0.2
27 Sa	0410	3.6	1.1
	1012	0.9	0.3
	1622	3.6	1.1
	2228	1.0	0.3
28 Su	0434	3.6	1.1
	1052	0.8	0.2
	1705	3.4	1.0
	2255	1.3	0.4
29 M	0502	3.6	1.1
	1137	0.8	0.2
	1756	3.1	0.9
	2329	1.6	0.5
30 Tu	0537	3.6	1.1
	1233	0.8	0.2
	1908	2.8	0.9
31 W	0008	1.9	0.6
	0617	3.6	1.1
	1349	0.7	0.2
	2056	2.7	0.8

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0102	2.3	0.7
	0723	3.5	1.1
	1520	0.6	0.2
	2306	2.8	0.9
2 F	0247	2.5	0.8
	0847	3.5	1.1
	1648	0.4	0.1
3 Sa	0020	3.0	0.9
	0437	2.5	0.8
	1019	3.7	1.1
	1755	0.1	0.0
4 Su	0105	3.2	1.0
	0551	2.2	0.7
	1135	3.9	1.2
	1851	-0.1	0.0
5 M	0139	3.4	1.0
	0645	1.9	0.6
	1236	4.2	1.3
	1937	-0.2	-0.1
6 Tu	0209	3.5	1.1
	0729	1.5	0.5
	1329	4.3	1.3
	2017	-0.1	0.0
7 W	0238	3.6	1.1
	0814	1.1	0.3
	1418	4.4	1.3
	2055	0.1	0.0
8 Th	0305	3.7	1.1
	0853	0.8	0.2
	1506	4.3	1.3
	2127	0.5	0.2
9 F	0330	3.7	1.1
	0932	0.5	0.2
	1551	4.0	1.2
	2159	0.9	0.3
10 Sa	0356	3.8	1.2
	1014	0.4	0.1
	1637	3.7	1.1
	2226	1.3	0.4
11 Su	0423	3.7	1.1
	1057	0.4	0.1
	1724	3.3	1.0
	2255	1.6	0.5
12 M	0450	3.7	1.1
	1145	0.5	0.2
	1823	3.0	0.9
	2324	2.0	0.6
13 Tu	0524	3.6	1.1
	1243	0.7	0.2
	1940	2.7	0.8
14 W	0001	2.2	0.7
	0611	3.4	1.0
	1400	0.9	0.3
	2146	2.6	0.8
15 Th	0110	2.4	0.7
	0726	3.2	1.0
	1542	1.0	0.3
	2335	2.7	0.8
16 F	0337	2.4	0.7
	0920	3.1	0.9
	1706	0.9	0.3
17 Sa	0018	2.9	0.9
	0512	2.2	0.7
	1051	3.3	1.0
	1803	0.7	0.2
18 Su	0050	3.0	0.9
	0605	1.9	0.6
	1154	3.5	1.1
	1847	0.6	0.2
19 M	0115	3.2	1.0
	0644	1.6	0.5
	1240	3.7	1.1
	1921	0.5	0.2
20 Tu	0140	3.3	1.0
	0719	1.3	0.4
	1319	3.8	1.2
	1950	0.5	0.2
21 W	0202	3.5	1.1
	0750	1.0	0.3
	1354	3.9	1.2
	2016	0.6	0.2
22 Th	0221	3.6	1.1
	0819	0.8	0.2
	1427	3.9	1.2
	2040	0.7	0.2
23 F	0240	3.7	1.1
	0848	0.6	0.2
	1458	3.8	1.2
	2103	0.9	0.3
24 Sa	0258	3.7	1.1
	0916	0.4	0.1
	1533	3.7	1.1
	2125	1.1	0.3
25 Su	0320	3.8	1.2
	0948	0.3	0.1
	1609	3.6	1.1
	2150	1.3	0.4
26 M	0345	3.8	1.2
	1023	0.3	0.1
	1651	3.3	1.0
	2215	1.6	0.5
27 Tu	0410	3.8	1.2
	1108	0.3	0.1
	1744	3.1	0.9
	2247	1.9	0.6
28 W	0445	3.8	1.2
	1201	0.4	0.1
	1854	2.8	0.9
	2322	2.2	0.7
29 Th	0532	3.6	1.1
	1318	0.5	0.2
	2100	2.6	0.8
30 F	0025	2.5	0.8
	0641	3.4	1.0
	1457	0.6	0.2
	2304	2.8	0.9

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0254	2.6	0.8	16	0451	2.0	0.6
Sa	0830	3.3	1.0	Su	1030	3.0	0.9
	1629	0.4	0.1		1723	0.9	0.3
	2356	3.0	0.9		2357	3.0	0.9
2	0445	2.3	0.7	17	0543	1.6	0.5
Su	1016	3.5	1.1	M	1133	3.2	1.0
	1738	0.2	0.1		1805	0.8	0.2
3	0031	3.2	1.0	18	0026	3.2	1.0
M	0549	1.8	0.5	Tu	0621	1.2	0.4
	1136	3.7	1.1		1224	3.4	1.0
	1828	0.2	0.1		1840	0.8	0.2
4	0100	3.4	1.0	19	0050	3.4	1.0
Tu	0638	1.3	0.4	W	0655	0.8	0.2
	1238	4.0	1.2		1303	3.6	1.1
	1914	0.2	0.1		1909	0.8	0.2
5	0128	3.6	1.1	20	0113	3.6	1.1
W	0720	0.8	0.2	Th	0725	0.5	0.2
	1330	4.1	1.2		1339	3.6	1.1
	1950	0.4	0.1		1937	0.9	0.3
6	0156	3.7	1.1	21	0133	3.7	1.1
Th	0759	0.4	0.1	F	0754	0.2	0.1
	1417	4.1	1.2		1415	3.7	1.1
	2024	0.7	0.2		2002	1.1	0.3
7	0221	3.8	1.2	22	0152	3.8	1.2
F	0836	0.1	0.0	Sa	0822	0.0	0.0
	1502	4.0	1.2		1450	3.6	1.1
	2056	1.0	0.3		2027	1.2	0.4
8	0245	3.9	1.2	23	0215	3.9	1.2
Sa	0913	-0.1	0.0	Su	0853	-0.2	-0.1
	1543	3.8	1.2		1526	3.5	1.1
	2125	1.3	0.4		2052	1.4	0.4
9	0308	3.9	1.2	24	0238	3.9	1.2
Su	0950	-0.1	0.0	M	0926	-0.3	-0.1
	1627	3.5	1.1		1604	3.4	1.0
	2150	1.6	0.5		2118	1.6	0.5
10	0333	3.8	1.2	25	0304	3.9	1.2
M	1030	0.0	0.0	Tu	1004	-0.3	-0.1
	1710	3.2	1.0		1648	3.1	0.9
	2215	1.9	0.6		2146	1.8	0.5
11	0401	3.7	1.1	26	0335	3.9	1.2
Tu	1111	0.3	0.1	W	1047	-0.1	0.0
	1801	2.9	0.9		1740	2.9	0.9
	2244	2.1	0.6		2218	2.0	0.6
12	0436	3.5	1.1	27	0414	3.8	1.2
W	1204	0.6	0.2	Th	1148	0.1	0.0
	1914	2.6	0.8		1902	2.7	0.8
	2315	2.2	0.7		2303	2.2	0.7
13	0519	3.3	1.0	28	0505	3.5	1.1
Th	1316	0.9	0.3	F	1302	0.3	0.1
	2107	2.5	0.8		2051	2.6	0.8
14	0035	2.4	0.7	29	0033	2.4	0.7
F	0633	3.0	0.9	Sa	0625	3.2	1.0
	1455	1.0	0.3		1433	0.4	0.1
	2243	2.6	0.8		2221	2.8	0.9
15	0320	2.3	0.7	30	0302	2.3	0.7
Sa	0847	2.9	0.9	Su	0828	3.0	0.9
	1621	1.0	0.3		1600	0.5	0.2
	2329	2.8	0.9		2307	3.0	0.9
				31	0442	1.8	0.5
				M	1021	3.2	1.0
					1707	0.5	0.2
					2344	3.2	1.0

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0537	1.2	0.4	16	0549	0.7	0.2
Tu	1138	3.4	1.0	W	1159	3.0	0.9
	1759	0.6	0.2		1751	1.0	0.3
					2354	3.3	1.0
2	0015	3.4	1.0	17	0624	0.3	0.1
W	0625	0.6	0.2	Th	1244	3.1	0.9
	1239	3.6	1.1		1827	1.1	0.3
	1842	0.7	0.2				
3	0044	3.6	1.1	18	0020	3.5	1.1
Th	0705	0.1	0.0	F	0659	0.0	0.0
	1330	3.7	1.1		1326	3.2	1.0
	1921	0.9	0.3		1859	1.2	0.4
4	0111	3.7	1.1	19	0045	3.6	1.1
F	0743	-0.3	-0.1	Sa	0728	-0.3	-0.1
	1416	3.7	1.1		1406	3.3	1.0
	1953	1.2	0.4		1928	1.3	0.4
5	0139	3.8	1.2	20	0113	3.7	1.1
Sa	0819	-0.5	-0.2	Su	0803	-0.6	-0.2
	1459	3.6	1.1		1443	3.3	1.0
	2025	1.4	0.4		1958	1.4	0.4
6	0206	3.8	1.2	21	0139	3.8	1.2
Su	0857	-0.5	-0.2	M	0838	-0.7	-0.2
	1538	3.4	1.0		1523	3.2	1.0
	2052	1.6	0.5		2027	1.6	0.5
7	0232	3.8	1.2	22	0208	3.9	1.2
M	0930	-0.4	-0.1	Tu	0914	-0.8	-0.2
	1618	3.2	1.0		1605	3.1	0.9
	2118	1.8	0.5		2056	1.7	0.5
8	0301	3.7	1.1	23	0240	3.9	1.2
Tu	1007	-0.2	-0.1	W	0956	-0.7	-0.2
	1657	2.9	0.9		1651	2.9	0.9
	2146	1.9	0.6		2131	1.8	0.5
9	0330	3.6	1.1	24	0319	3.8	1.2
W	1047	0.0	0.0	Th	1044	-0.5	-0.2
	1745	2.7	0.8		1748	2.7	0.8
	2218	2.0	0.6		2214	1.9	0.6
10	0407	3.4	1.0	25	0406	3.6	1.1
Th	1136	0.3	0.1	F	1137	-0.3	-0.1
	1842	2.5	0.8		1853	2.6	0.8
	2305	2.0	0.6		2316	2.0	0.6
11	0455	3.1	0.9	26	0500	3.3	1.0
F	1235	0.6	0.2	Sa	1244	0.0	0.0
	2003	2.5	0.8		2005	2.6	0.8
12	0025	2.1	0.6	27	0054	1.9	0.6
Sa	0604	2.8	0.9	Su	0630	2.9	0.9
	1352	0.8	0.2		1358	0.3	0.1
	2123	2.5	0.8		2112	2.7	0.8
13	0231	2.0	0.6	28	0247	1.6	0.5
Su	0801	2.6	0.8	M	0826	2.7	0.8
	1516	0.9	0.3		1516	0.6	0.2
	2213	2.7	0.8		2204	2.9	0.9
14	0408	1.6	0.5	29	0415	1.1	0.3
M	0947	2.6	0.8	Tu	1013	2.7	0.8
	1620	1.0	0.3		1625	0.8	0.2
	2253	2.9	0.9		2245	3.1	0.9
15	0506	1.2	0.4	30	0515	0.5	0.2
Tu	1104	2.8	0.9	W	1135	2.9	0.9
	1709	1.0	0.3		1722	1.0	0.3
	2325	3.1	0.9		2325	3.3	1.0

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0607	0.0	0.0	16	0549	-0.1	0.0
Th	1239	3.0	0.9	F	1228	2.6	0.8
	1812	1.2	0.4		1740	1.3	0.4
	2359	3.4	1.0		2330	3.2	1.0
2	0650	-0.4	-0.1	17	0631	-0.5	-0.2
F	1331	3.1	0.9	Sa	1317	2.8	0.9
	1851	1.3	0.4		1822	1.4	0.4
3	0036	3.5	1.1	18	0004	3.3	1.0
Sa	0728	-0.7	-0.2	Su	0709	-0.8	-0.2
	1417	3.2	1.0		1401	2.9	0.9
	1930	1.4	0.4		1901	1.5	0.5
4	0105	3.6	1.1	19	0039	3.5	1.1
Su	0807	-0.8	-0.2	M	0748	-1.0	-0.3
	1459	3.1	0.9		1444	2.9	0.9
	2002	1.5	0.5		1937	1.5	0.5
5	0137	3.6	1.1	20	0115	3.6	1.1
M	0842	-0.8	-0.2	Tu	0830	-1.2	-0.4
	1535	3.0	0.9		1523	2.9	0.9
	2032	1.6	0.5		2013	1.5	0.5
6	0209	3.5	1.1	21	0154	3.7	1.1
Tu	0917	-0.6	-0.2	W	0909	-1.2	-0.4
	1610	2.8	0.9		1605	2.8	0.9
	2102	1.6	0.5		2051	1.5	0.5
7	0241	3.4	1.0	22	0235	3.7	1.1
W	0953	-0.5	-0.2	Th	0953	-1.1	-0.3
	1649	2.7	0.8		1647	2.7	0.8
	2133	1.6	0.5		2135	1.5	0.5
8	0319	3.3	1.0	23	0321	3.6	1.1
Th	1032	-0.2	-0.1	F	1038	-0.9	-0.3
	1721	2.5	0.8		1734	2.6	0.8
	2212	1.6	0.5		2225	1.4	0.4
9	0356	3.1	0.9	24	0413	3.3	1.0
F	1111	0.0	0.0	Sa	1126	-0.5	-0.2
	1806	2.5	0.8		1817	2.6	0.8
	2300	1.6	0.5		2329	1.3	0.4
10	0447	2.9	0.9	25	0515	3.0	0.9
Sa	1200	0.3	0.1	Su	1217	-0.1	0.0
	1854	2.4	0.7		1907	2.6	0.8
11	0008	1.6	0.5	26	0048	1.1	0.3
Su	0548	2.6	0.8	M	0633	2.6	0.8
	1253	0.5	0.2		1317	0.3	0.1
	1947	2.5	0.8		1959	2.6	0.8
12	0136	1.4	0.4	27	0216	0.8	0.2
M	0712	2.3	0.7	Tu	0815	2.3	0.7
	1351	0.7	0.2		1420	0.7	0.2
	2042	2.6	0.8		2051	2.7	0.8
13	0302	1.2	0.4	28	0337	0.4	0.1
Tu	0848	2.2	0.7	W	1003	2.2	0.7
	1453	0.9	0.3		1530	1.1	0.3
	2131	2.7	0.8		2142	2.8	0.9
14	0410	0.8	0.2	29	0450	0.0	0.0
W	1019	2.3	0.7	Th	1135	2.3	0.7
	1557	1.1	0.3		1641	1.3	0.4
	2213	2.9	0.9		2233	3.0	0.9
15	0503	0.3	0.1	30	0546	-0.4	-0.1
Th	1130	2.4	0.7	F	1244	2.5	0.8
	1651	1.2	0.4		1738	1.4	0.4
	2253	3.0	0.9		2320	3.1	0.9
				31	0636	-0.7	-0.2
				Sa	1334	2.6	0.8
					1829	1.5	0.5

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY								FEBRUARY								MARCH							
Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height	
	h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m
1 Sa	1044	-0.8	-0.2	16 Su	1043	-0.4	-0.1	1 Tu	0104	0.8	0.2	16 W	0052	0.7	0.2	1 Tu	0048	0.7	0.2	16 W	0100	0.6	0.2
									1103	-0.1	0.0		1000	0.1	0.0		0918	0.2	0.1		0736	0.4	0.1
																	1348	0.3	0.1		1220	0.5	0.2
																	1836	0.2	0.1		1938	0.2	0.1
2 Su	0014	1.5	0.5	17 M	0012	1.0	0.3	2 W	0136	0.5	0.2	17 Th	0151	0.5	0.2	2 W	0222	0.5	0.2	17 Th	1230	0.7	0.2
	1127	-0.6	-0.2		1112	-0.4	-0.1		1001	0.1	0.0		0901	0.2	0.1		0735	0.4	0.1		2145	0.1	0.0
									1706	0.3	0.1		1515	0.4	0.1		1326	0.5	0.2				
													2239	0.2	0.1		2214	0.1	0.0				
3 M	0059	1.2	0.4	18 Tu	0041	0.9	0.3	3 Th	0725	0.2	0.1	18 F	1509	0.6	0.2	3 Th	1400	0.8	0.2	18 F	1300	0.9	0.3
	1209	-0.4	-0.1		1130	-0.2	-0.1		1637	0.6	0.2										2324	-0.1	0.0
4 Tu	0139	1.0	0.3	19 W	0109	0.8	0.2	4 F	0357	0.0	0.0	19 Sa	0133	0.0	0.0	4 F	0041	0.0	0.0	19 Sa	1339	1.1	0.3
	1216	-0.2	-0.1		1128	-0.1	0.0		1702	0.8	0.2		1541	0.8	0.2		1439	0.9	0.3				
5 W	0200	0.6	0.2	20 Th	0124	0.5	0.2	5 Sa	0422	-0.2	-0.1	20 Su	0248	-0.2	-0.1	5 Sa	0203	-0.2	-0.1	20 Su	0054	-0.2	-0.1
	1142	0.0	0.0		1100	0.0	0.0		1738	0.9	0.3		1627	1.0	0.3		1532	1.0	0.3		1435	1.2	0.4
	2105	0.4	0.1		1950	0.4	0.1																
6 Th	0956	0.1	0.0	21 F	0919	0.2	0.1	6 Su	0501	-0.4	-0.1	21 M	0347	-0.4	-0.1	6 Su	0306	-0.3	-0.1	21 M	0203	-0.4	-0.1
	1903	0.6	0.2		1759	0.5	0.2		1823	1.0	0.3		1720	1.2	0.4		1624	1.1	0.3		1535	1.4	0.4
7 F	0624	0.0	0.0	22 Sa	0418	0.0	0.0	7 M	0549	-0.5	-0.2	22 Tu	0447	-0.6	-0.2	7 M	0405	-0.3	-0.1	22 Tu	0311	-0.5	-0.2
	1857	0.8	0.2		1750	0.7	0.2		1913	1.1	0.3		1823	1.3	0.4		1725	1.1	0.3		1645	1.4	0.4
8 Sa	0600	-0.2	-0.1	23 Su	0436	-0.3	-0.1	8 Tu	0633	-0.5	-0.2	23 W	0545	-0.7	-0.2	8 Tu	0502	-0.3	-0.1	23 W	0417	-0.5	-0.2
	1919	1.0	0.3		1812	1.0	0.3		2002	1.1	0.3		1926	1.4	0.4		1827	1.1	0.3		1754	1.4	0.4
9 Su	0625	-0.4	-0.1	24 M	0516	-0.5	-0.2	9 W	0718	-0.5	-0.2	24 Th	0643	-0.7	-0.2	9 W	0553	-0.3	-0.1	24 Th	0517	-0.4	-0.1
	1951	1.1	0.3		1854	1.2	0.4		2050	1.1	0.3		2031	1.4	0.4		1927	1.1	0.3		1907	1.4	0.4
10 M	0701	-0.5	-0.2	25 Tu	0608	-0.7	-0.2	10 Th	0800	-0.5	-0.2	25 F	0741	-0.6	-0.2	10 Th	0642	-0.2	-0.1	25 F	0613	-0.3	-0.1
	2030	1.2	0.4		1947	1.4	0.4		2133	1.1	0.3		2130	1.4	0.4		2024	1.1	0.3		2021	1.3	0.4
11 Tu	0737	-0.6	-0.2	26 W	0700	-0.9	-0.3	11 F	0845	-0.4	-0.1	26 Sa	0831	-0.5	-0.2	11 F	0725	-0.2	-0.1	26 Sa	0659	-0.1	0.0
	2106	1.2	0.4		2040	1.5	0.5		2218	1.1	0.3		2239	1.2	0.4		2117	1.1	0.3		2135	1.1	0.3
12 W	0816	-0.6	-0.2	27 Th	0756	-0.9	-0.3	12 Sa	0924	-0.4	-0.1	27 Su	0916	-0.3	-0.1	12 Sa	0807	-0.1	0.0	27 Su	0735	0.1	0.0
	2145	1.2	0.4		2136	1.5	0.5		2253	1.0	0.3		2338	1.0	0.3		2204	1.0	0.3		2305	0.9	0.3
13 Th	0858	-0.6	-0.2	28 F	0851	-0.9	-0.3	13 Su	0946	-0.3	-0.1	28 M	0948	0.0	0.0	13 Su	0829	0.0	0.0	28 M	0729	0.3	0.1
	2226	1.2	0.4		2231	1.5	0.5		2332	1.0	0.3						2254	0.9	0.3		1155	0.4	0.1
																					1708	0.3	0.1
14 F	0939	-0.5	-0.2	29 Sa	0944	-0.8	-0.2	14 M	1011	-0.2	-0.1					14 M	0837	0.1	0.0	29 Tu	0054	0.7	0.2
	2305	1.2	0.4		2323	1.3	0.4										2336	0.8	0.2		0606	0.5	0.2
																					1116	0.7	0.2
																					1937	0.2	0.1
15 Sa	1018	-0.5	-0.2	30 Su	1030	-0.6	-0.2	15 Tu	0010	0.8	0.2					15 Tu	0824	0.2	0.1	30 W	1133	0.9	0.3
	2337	1.1	0.3						1013	-0.1	0.0						1254	0.3	0.1		2130	0.0	0.0
																	1656	0.2	0.1				
				31 M	0013	1.1	0.3													31 Th	1212	1.1	0.3
					1105	-0.3	-0.1														2251	-0.1	0.0

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL								MAY								JUNE							
Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height	
	h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m
1	1251	1.2	0.4	16	1215	1.4	0.4	1	1254	1.5	0.5	16	1249	1.8	0.5	1	0042	-0.1	0.0	16	0048	-0.2	-0.1
F				Sa	2326	-0.3	-0.1	Su				M				W	1347	1.4	0.4	Th	1413	1.4	0.4
2	0001	-0.2	-0.1	17	1303	1.5	0.5	2	0027	-0.2	-0.1	17	0022	-0.5	-0.2	2	0121	0.0	0.0	17	0106	0.1	0.0
Sa	1333	1.3	0.4	Su				M	1338	1.4	0.4	Tu	1342	1.7	0.5	Th	1423	1.2	0.4	F	1442	1.1	0.3
3	0107	-0.2	-0.1	18	0032	-0.4	-0.1	3	0122	-0.1	0.0	18	0115	-0.4	-0.1	3	0139	0.1	0.0	18	0053	0.3	0.1
Su	1422	1.3	0.4	M	1403	1.6	0.5	Tu	1429	1.3	0.4	W	1441	1.6	0.5	F	1454	1.1	0.3	Sa	1043	0.8	0.2
																					2324	0.5	0.2
4	0206	-0.2	-0.1	19	0136	-0.4	-0.1	4	0213	-0.1	0.0	19	0208	-0.2	-0.1	4	0154	0.3	0.1	19	0810	0.9	0.3
M	1519	1.2	0.4	Tu	1503	1.6	0.5	W	1521	1.3	0.4	Th	1530	1.3	0.4	Sa	1456	0.9	0.3	Su	1849	0.4	0.1
5	0309	-0.2	-0.1	20	0239	-0.4	-0.1	5	0256	0.0	0.0	20	0233	0.0	0.0	5	0132	0.4	0.1	20	0754	1.2	0.4
Tu	1621	1.2	0.4	W	1609	1.5	0.5	Th	1614	1.1	0.3	F	1627	1.1	0.3	Su	1028	0.8	0.2	M	1833	0.1	0.0
6	0405	-0.1	0.0	21	0336	-0.3	-0.1	6	0324	0.1	0.0	21	0248	0.2	0.1	6	0019	0.5	0.2	21	0809	1.4	0.4
W	1727	1.2	0.4	Th	1719	1.3	0.4	F	1707	1.0	0.3	Sa	1603	0.8	0.2	M	0848	0.9	0.3	Tu	1900	-0.1	0.0
																	1807	0.4	0.1				
7	0454	-0.1	0.0	22	0419	-0.1	0.0	7	0353	0.2	0.1	22	0202	0.5	0.2	7	0820	1.1	0.3	22	0834	1.5	0.5
Th	1836	1.1	0.3	F	1834	1.1	0.3	Sa	1814	0.9	0.3	Su	0945	0.8	0.2	Tu	1825	0.2	0.1	W	1937	-0.2	-0.1
													1812	0.5	0.2								
8	0537	0.0	0.0	23	0457	0.1	0.0	8	0343	0.4	0.1	23	0904	1.0	0.3	8	0832	1.3	0.4	23	0906	1.6	0.5
F	1940	1.0	0.3	Sa	2000	0.9	0.3	Su	1153	0.6	0.2	M	1851	0.2	0.1	W	1901	-0.1	0.0	Th	2012	-0.3	-0.1
									1503	0.5	0.2												
									2015	0.7	0.2												
9	0612	0.1	0.0	24	0448	0.4	0.1	9	0306	0.5	0.2	24	0914	1.2	0.4	9	0857	1.5	0.5	24	0945	1.7	0.5
Sa	2048	0.9	0.3	Su	1130	0.6	0.2	M	0950	0.7	0.2	Tu	1930	0.0	0.0	Th	1943	-0.3	-0.1	F	2055	-0.3	-0.1
					1557	0.5	0.2		1733	0.4	0.1												
					2231	0.7	0.2																
10	0624	0.3	0.1	25	0403	0.6	0.2	10	0921	0.9	0.3	25	0929	1.4	0.4	10	0933	1.7	0.5	25	1024	1.7	0.5
Su	2201	0.8	0.2	M	1014	0.8	0.2	Tu	1839	0.2	0.1	W	2015	-0.2	-0.1	F	2035	-0.4	-0.1	Sa	2134	-0.3	-0.1
					1827	0.3	0.1																
11	0614	0.4	0.1	26	1011	1.0	0.3	11	0932	1.1	0.3	26	1001	1.5	0.5	11	1015	1.8	0.5	26	1101	1.7	0.5
M	1118	0.5	0.2	Tu	1954	0.1	0.0	W	1942	0.0	0.0	Th	2057	-0.3	-0.1	Sa	2130	-0.5	-0.2	Su	2217	-0.2	-0.1
	1614	0.4	0.1																				
	2343	0.7	0.2																				
12	0512	0.6	0.2	27	1030	1.2	0.4	12	0954	1.3	0.4	27	1036	1.6	0.5	12	1104	1.9	0.6	27	1139	1.6	0.5
Tu	1031	0.7	0.2	W	2048	-0.1	0.0	Th	2030	-0.2	-0.1	F	2143	-0.3	-0.1	Su	2223	-0.5	-0.2	M	2300	-0.1	0.0
	1819	0.3	0.1																				
13	1032	0.9	0.3	28	1055	1.3	0.4	13	1029	1.5	0.5	28	1112	1.6	0.5	13	1154	1.9	0.6	28	1215	1.5	0.5
W	1952	0.1	0.0	Th	2145	-0.2	-0.1	F	2123	-0.3	-0.1	Sa	2222	-0.3	-0.1	M	2316	-0.5	-0.2	Tu	2336	-0.1	0.0
14	1057	1.1	0.3	29	1133	1.4	0.4	14	1112	1.7	0.5	29	1149	1.6	0.5	14	1245	1.8	0.5	29	1247	1.5	0.5
Th	2108	0.0	0.0	F	2237	-0.2	-0.1	Sa	2221	-0.4	-0.1	Su	2314	-0.2	-0.1	Tu				W			
15	1134	1.3	0.4	30	1209	1.5	0.5	15	1200	1.8	0.5	30	1231	1.5	0.5	15	0005	-0.4	-0.1	30	0001	0.0	0.0
F	2217	-0.2	-0.1	Sa	2333	-0.2	-0.1	Su	2324	-0.5	-0.2	M				W	1331	1.6	0.5	Th	1319	1.3	0.4
												31	0000	-0.2	-0.1								
												Tu	1309	1.5	0.5								

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY						AUGUST						SEPTEMBER					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0019	0.2	0.1	16	0806	0.8	0.2	1	0515	1.1	0.3	16	0500	1.6	0.5	1	0446	1.8	0.5	16	0557	1.7	0.5
F	1330	1.2	0.4	Sa	2113	0.6	0.2	M	1542	0.6	0.2	Tu	1631	0.2	0.1	Th	1613	0.1	0.0	F	1728	0.3	0.1
2	0023	0.3	0.1	17	0612	1.0	0.3	2	0516	1.3	0.4	17	0549	1.7	0.5	2	0549	1.9	0.6	17	0703	1.7	0.5
Sa	1342	1.0	0.3	Su	1725	0.4	0.1	Tu	1614	0.3	0.1	W	1723	0.1	0.0	F	1714	0.0	0.0	Sa	1812	0.4	0.1
	2354	0.5	0.2																				
3	0925	0.8	0.2	18	0619	1.3	0.4	3	0548	1.5	0.5	18	0645	1.7	0.5	3	0656	2.0	0.6	18	0805	1.6	0.5
Su	2227	0.6	0.2	M	1730	0.2	0.1	W	1656	0.1	0.0	Th	1810	0.1	0.0	Sa	1814	0.0	0.0	Su	1905	0.4	0.1
4	0724	1.0	0.3	19	0645	1.5	0.5	4	0630	1.7	0.5	19	0739	1.7	0.5	4	0801	2.0	0.6	19	0901	1.6	0.5
M	1756	0.5	0.2	Tu	1802	0.0	0.0	Th	1744	-0.1	0.0	F	1857	0.1	0.0	Su	1911	0.0	0.0	M	1937	0.5	0.2
5	0706	1.2	0.4	20	0724	1.6	0.5	5	0720	1.9	0.6	20	0831	1.7	0.5	5	0907	1.9	0.6	20	0952	1.5	0.5
Tu	1742	0.2	0.1	W	1837	-0.1	0.0	F	1835	-0.2	-0.1	Sa	1944	0.2	0.1	M	2003	0.2	0.1	Tu	2005	0.7	0.2
6	0721	1.4	0.4	21	0806	1.7	0.5	6	0818	2.0	0.6	21	0922	1.7	0.5	6	1014	1.8	0.5	21	1051	1.4	0.4
W	1807	0.0	0.0	Th	1919	-0.1	0.0	Sa	1932	-0.3	-0.1	Su	2029	0.2	0.1	Tu	2042	0.4	0.1	W	2006	0.8	0.2
7	0751	1.6	0.5	22	0849	1.7	0.5	7	0912	2.0	0.6	22	1005	1.7	0.5	7	1120	1.6	0.5	22	1151	1.2	0.4
Th	1852	-0.2	-0.1	F	2004	-0.1	0.0	Su	2027	-0.2	-0.1	M	2104	0.3	0.1	W	2121	0.7	0.2	Th	1925	0.9	0.3
																					2354	1.0	0.3
8	0833	1.8	0.5	23	0935	1.7	0.5	8	1011	2.0	0.6	23	1047	1.6	0.5	8	1245	1.3	0.4	23	0549	0.8	0.2
F	1941	-0.4	-0.1	Sa	2045	-0.1	0.0	M	2121	-0.1	0.0	Tu	2136	0.4	0.1	Th	2045	0.9	0.3	F	1320	1.1	0.3
																					1818	1.0	0.3
																					2345	1.1	0.3
9	0919	1.9	0.6	24	1017	1.7	0.5	9	1103	1.9	0.6	24	1126	1.5	0.5	9	0031	1.0	0.3	24	0752	0.7	0.2
Sa	2033	-0.5	-0.2	Su	2127	0.0	0.0	Tu	2207	0.1	0.0	W	2151	0.5	0.2	F	0707	0.8	0.2	Sa			
																	1518	1.1	0.3				
																	1808	1.0	0.3				
10	1013	2.0	0.6	25	1055	1.7	0.5	10	1159	1.7	0.5	25	1208	1.4	0.4	10	0036	1.2	0.4	25	0000	1.3	0.4
Su	2127	-0.5	-0.2	M	2205	0.0	0.0	W	2242	0.3	0.1	Th	2149	0.7	0.2	Sa	0954	0.6	0.2	Su	0932	0.6	0.2
11	1103	2.0	0.6	26	1127	1.6	0.5	11	1252	1.4	0.4	26	1254	1.2	0.4	11	0118	1.5	0.5	26	0025	1.5	0.5
M	2220	-0.4	-0.1	Tu	2237	0.1	0.0	Th	2243	0.6	0.2	F	2120	0.8	0.2	Su	1157	0.5	0.2	M	1101	0.5	0.2
12	1154	1.9	0.6	27	1206	1.5	0.5	12	1357	1.1	0.3	27	0254	0.9	0.3	12	0200	1.6	0.5	27	0107	1.6	0.5
Tu	2306	-0.2	-0.1	W	2302	0.2	0.1	F	2130	0.8	0.2	Sa	0638	0.8	0.2	M	1327	0.3	0.1	Tu	1214	0.3	0.1
													1405	1.1	0.3								
													2014	0.9	0.3								
13	1243	1.7	0.5	28	1233	1.4	0.4	13	0330	1.0	0.3	28	0212	1.1	0.3	13	0254	1.7	0.5	28	0159	1.8	0.5
W	2341	0.0	0.0	Th	2310	0.4	0.1	Sa	1112	0.8	0.2	Su	1015	0.8	0.2	Tu	1435	0.3	0.1	W	1326	0.2	0.1
14	1325	1.4	0.4	29	1306	1.2	0.4	14	0342	1.2	0.4	29	0227	1.2	0.4	14	0351	1.8	0.5	29	0254	1.9	0.6
Th	2354	0.3	0.1	F	2306	0.5	0.2	Su	1433	0.5	0.2	M	1243	0.6	0.2	W	1535	0.2	0.1	Th	1433	0.1	0.0
15	1357	1.1	0.3	30	1321	1.0	0.3	15	0414	1.4	0.4	30	0259	1.4	0.4	15	0454	1.7	0.5	30	0405	1.9	0.6
F	2315	0.5	0.2	Sa	2219	0.6	0.2	M	1541	0.3	0.1	Tu	1409	0.4	0.1	Th	1632	0.3	0.1	F	1539	0.1	0.0
				31	0636	0.9	0.3					31	0349	1.6	0.5								
				Su	2027	0.7	0.2					W	1511	0.2	0.1								

Time meridian 90° W. 0000 is midnight. 1200 is noon.
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Times and Heights of High and Low Waters

OCTOBER								NOVEMBER								DECEMBER							
Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height		Day	Time	Height	
	h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m		h m	ft	m
1	0512	1.9	0.6	16	0606	1.5	0.5	1	0730	1.1	0.3	16	0512	0.6	0.2	1	0641	0.1	0.0	16	0636	-0.1	0.0
Sa	1639	0.1	0.0	Su	1709	0.5	0.2	Tu	1618	0.6	0.2	W	0718	0.7	0.2	Th	2048	1.2	0.4	F	2015	1.1	0.3
									2257	0.9	0.3		1339	0.6	0.2								
													2127	0.9	0.3								
2	0627	1.8	0.5	17	0715	1.3	0.4	2	0415	0.7	0.2	17	0618	0.5	0.2	2	0720	-0.2	-0.1	17	0654	-0.3	-0.1
Su	1737	0.2	0.1	M	1724	0.6	0.2	W	1024	0.9	0.3	Th	2104	1.1	0.3	F	2109	1.4	0.4	Sa	2044	1.3	0.4
									1455	0.8	0.2												
									2140	1.1	0.3												
3	0743	1.7	0.5	18	0821	1.2	0.4	3	0624	0.5	0.2	18	0657	0.3	0.1	3	0806	-0.3	-0.1	18	0737	-0.5	-0.2
M	1819	0.4	0.1	Tu	1736	0.7	0.2	Th	2141	1.3	0.4	F	2118	1.2	0.4	Sa	2145	1.5	0.5	Su	2116	1.4	0.4
4	0908	1.5	0.5	19	0954	1.1	0.3	4	0737	0.2	0.1	19	0739	0.1	0.0	4	0848	-0.5	-0.2	19	0819	-0.6	-0.2
Tu	1854	0.6	0.2	W	1701	0.8	0.2	F	2206	1.5	0.5	Sa	2144	1.4	0.4	Su	2220	1.6	0.5	M	2159	1.5	0.5
					2227	1.0	0.3																
5	1045	1.3	0.4	20	0506	0.8	0.2	5	0838	0.0	0.0	20	0821	-0.1	0.0	5	0930	-0.5	-0.2	20	0910	-0.7	-0.2
W	1842	0.9	0.3	Th	1215	1.0	0.3	Sa	2238	1.7	0.5	Su	2212	1.6	0.5	M	2259	1.6	0.5	Tu	2245	1.6	0.5
	2303	1.0	0.3		1531	0.9	0.3																
					2209	1.1	0.3																
6	0526	0.8	0.2	21	0650	0.6	0.2	6	0932	-0.1	0.0	21	0906	-0.3	-0.1	6	1015	-0.5	-0.2	21	0959	-0.8	-0.2
Th	1329	1.1	0.3	F	2222	1.3	0.4	Su	2313	1.7	0.5	M	2255	1.7	0.5	Tu	2340	1.5	0.5	W	2336	1.6	0.5
	1652	1.0	0.3																				
	2244	1.2	0.4																				
7	0744	0.6	0.2	22	0755	0.4	0.1	7	1023	-0.2	-0.1	22	1002	-0.4	-0.1	7	1102	-0.4	-0.1	22	1055	-0.7	-0.2
F	2308	1.5	0.5	Sa	2239	1.4	0.4	M	2356	1.7	0.5	Tu	2337	1.7	0.5	W				Th			
8	0913	0.4	0.1	23	0857	0.3	0.1	8	1113	-0.2	-0.1	23	1056	-0.5	-0.2	8	0019	1.4	0.4	23	0022	1.5	0.5
Sa	2340	1.6	0.5	Su	2311	1.6	0.5	Tu				W				Th	1147	-0.4	-0.1	F	1141	-0.6	-0.2
9	1033	0.2	0.1	24	0957	0.1	0.0	9	0038	1.7	0.5	24	0024	1.8	0.5	9	0059	1.3	0.4	24	0111	1.4	0.4
Su				M	2353	1.7	0.5	W	1210	-0.1	0.0	Th	1148	-0.5	-0.2	F	1229	-0.3	-0.1	Sa	1221	-0.5	-0.2
10	0022	1.8	0.5	25	1059	0.0	0.0	10	0123	1.6	0.5	25	0117	1.7	0.5	10	0134	1.2	0.4	25	0153	1.1	0.3
M	1137	0.2	0.1	Tu				Th	1301	-0.1	0.0	F	1248	-0.4	-0.1	Sa	1257	-0.2	-0.1	Su	1242	-0.2	-0.1
11	0109	1.8	0.5	26	0038	1.8	0.5	11	0210	1.5	0.5	26	0208	1.6	0.5	11	0206	1.1	0.3	26	0218	0.8	0.2
Tu	1240	0.1	0.0	W	1158	-0.1	0.0	F	1354	0.0	0.0	Sa	1332	-0.3	-0.1	Su	1323	0.0	0.0	M	1227	0.0	0.0
																					2251	0.5	0.2
12	0159	1.8	0.5	27	0129	1.9	0.6	12	0255	1.4	0.4	27	0300	1.3	0.4	12	0224	0.9	0.3	27	1100	0.2	0.1
W	1340	0.2	0.1	Th	1302	-0.1	0.0	Sa	1433	0.1	0.0	Su	1403	-0.1	0.0	M	1323	0.1	0.0	Tu	1936	0.6	0.2
13	0252	1.7	0.5	28	0226	1.8	0.5	13	0337	1.2	0.4	28	0342	1.1	0.3	13	0139	0.7	0.2	28	0636	0.1	0.0
Th	1442	0.2	0.1	F	1405	-0.1	0.0	Su	1501	0.3	0.1	M	1410	0.2	0.1	Tu	1242	0.2	0.1	W	1920	0.9	0.3
																	2147	0.6	0.2				
14	0355	1.6	0.5	29	0329	1.8	0.5	14	0427	1.1	0.3	29	0254	0.7	0.2	14	1105	0.3	0.1	29	0609	-0.2	-0.1
F	1535	0.3	0.1	Sa	1501	0.0	0.0	M	1513	0.4	0.1	Tu	1330	0.4	0.1	W	2021	0.7	0.2	Th	1938	1.1	0.3
													2114	0.8	0.2								
15	0457	1.6	0.5	30	0438	1.6	0.5	15	0515	0.9	0.3	30	0612	0.4	0.1	15	0628	0.2	0.1	30	0633	-0.4	-0.1
Sa	1627	0.4	0.1	Su	1545	0.1	0.0	Tu	1448	0.5	0.2	W	2036	1.0	0.3	Th	2000	0.9	0.3	F	2010	1.2	0.4
									2243	0.8	0.2												
				31	0551	1.4	0.4													31	0715	-0.6	-0.2
				M	1617	0.4	0.1													Sa	2049	1.3	0.4

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Times and Heights of High and Low Waters

JANUARY							
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0033	1.7	0.5	16 Su	0100	1.3	0.4
	1204	-0.9	-0.3		1206	-0.4	-0.1
2 Su	0127	1.6	0.5	17 M	0142	1.2	0.4
	1247	-0.7	-0.2		1221	-0.3	-0.1
3 M	0214	1.3	0.4	18 Tu	0216	1.0	0.3
	1315	-0.4	-0.1		1233	-0.2	-0.1
4 Tu	0258	1.0	0.3	19 W	0246	0.9	0.3
	1309	-0.2	-0.1		1223	0.0	0.0
5 W	0309	0.7	0.2	20 Th	0306	0.6	0.2
	1233	0.1	0.0		1142	0.1	0.0
	2113	0.6	0.2		1930	0.5	0.2
6 Th	1103	0.1	0.0	21 F	1012	0.2	0.1
	2000	0.8	0.2		1841	0.8	0.2
7 F	0833	0.0	0.0	22 Sa	0712	0.1	0.0
	1957	1.0	0.3		1849	1.0	0.3
8 Sa	0745	-0.2	-0.1	23 Su	0638	-0.2	-0.1
	2019	1.2	0.4		1914	1.3	0.4
9 Su	0803	-0.4	-0.1	24 M	0717	-0.5	-0.2
	2044	1.3	0.4		1953	1.5	0.5
10 M	0839	-0.5	-0.2	25 Tu	0800	-0.7	-0.2
	2123	1.4	0.4		2043	1.6	0.5
11 Tu	0915	-0.6	-0.2	26 W	0849	-0.9	-0.3
	2202	1.4	0.4		2143	1.7	0.5
12 W	0950	-0.6	-0.2	27 Th	0936	-0.9	-0.3
	2247	1.4	0.4		2245	1.7	0.5
13 Th	1025	-0.6	-0.2	28 F	1022	-0.9	-0.3
	2332	1.4	0.4		2346	1.7	0.5
14 F	1103	-0.6	-0.2	29 Sa	1104	-0.7	-0.2
15 Sa	0017	1.3	0.4	30 Su	0048	1.5	0.5
	1138	-0.5	-0.2		1138	-0.5	-0.2
				31 M	0141	1.3	0.4
					1155	-0.3	-0.1

FEBRUARY							
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0233	1.0	0.3	16 W	0235	0.9	0.3
	1145	0.0	0.0		1048	0.2	0.1
					1737	0.5	0.2
					2110	0.4	0.1
2 W	0312	0.7	0.2	17 Th	0316	0.7	0.2
	1057	0.2	0.1		0952	0.4	0.1
	1800	0.6	0.2		1641	0.7	0.2
3 Th	0100	0.3	0.1	18 F	0007	0.3	0.1
	0306	0.4	0.1		0415	0.4	0.1
	0924	0.3	0.1		0806	0.3	0.1
	1744	0.9	0.3		1639	1.0	0.3
4 F	0706	0.1	0.0	19 Sa	0321	0.2	0.1
	1802	1.1	0.3		1657	1.2	0.4
5 Sa	0632	-0.1	0.0	20 Su	0503	-0.1	0.0
	1829	1.2	0.4		1732	1.4	0.4
6 Su	0706	-0.3	-0.1	21 M	0600	-0.3	-0.1
	1909	1.3	0.4		1818	1.6	0.5
7 M	0743	-0.4	-0.1	22 Tu	0652	-0.5	-0.2
	1952	1.4	0.4		1916	1.7	0.5
8 Tu	0821	-0.5	-0.2	23 W	0744	-0.6	-0.2
	2048	1.4	0.4		2021	1.7	0.5
9 W	0901	-0.5	-0.2	24 Th	0832	-0.7	-0.2
	2145	1.4	0.4		2136	1.7	0.5
10 Th	0935	-0.5	-0.2	25 F	0917	-0.6	-0.2
	2247	1.4	0.4		2252	1.6	0.5
11 F	1011	-0.4	-0.1	26 Sa	0955	-0.4	-0.1
	2339	1.3	0.4				
12 Sa	1039	-0.3	-0.1	27 Su	0005	1.5	0.5
					1024	-0.2	-0.1
13 Su	0028	1.3	0.4	28 M	0110	1.3	0.4
	1101	-0.2	-0.1		1027	0.1	0.0
14 M	0110	1.2	0.4				
	1109	-0.1	0.0				
15 Tu	0153	1.1	0.3				
	1109	0.1	0.0				

MARCH							
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0209	1.0	0.3	16 W	0224	0.9	0.3
	1000	0.4	0.1		0850	0.6	0.2
	1604	0.6	0.2		1443	0.9	0.3
	2109	0.5	0.2		2137	0.5	0.2
2 W	0315	0.7	0.2	17 Th	0357	0.7	0.2
	0900	0.5	0.2		0723	0.6	0.2
	1532	0.9	0.3		1436	1.1	0.3
	2325	0.4	0.1		2310	0.3	0.1
3 Th	1545	1.1	0.3	18 F	1451	1.3	0.4
4 F	0142	0.2	0.1	19 Sa	0100	0.2	0.1
	1610	1.3	0.4		1516	1.5	0.5
5 Sa	0355	0.0	0.0	20 Su	0243	0.0	0.0
	1639	1.4	0.4		1556	1.7	0.5
6 Su	0515	-0.1	0.0	21 M	0412	-0.2	-0.1
	1718	1.5	0.5		1642	1.8	0.5
7 M	0612	-0.2	-0.1	22 Tu	0525	-0.3	-0.1
	1804	1.5	0.5		1738	1.9	0.6
8 Tu	0705	-0.2	-0.1	23 W	0621	-0.4	-0.1
	1905	1.5	0.5		1842	1.8	0.5
9 W	0747	-0.2	-0.1	24 Th	0713	-0.3	-0.1
	2017	1.4	0.4		2001	1.7	0.5
10 Th	0824	-0.2	-0.1	25 F	0755	-0.2	-0.1
	2136	1.4	0.4		2134	1.6	0.5
11 F	0900	-0.1	0.0	26 Sa	0827	0.0	0.0
	2245	1.4	0.4		2300	1.4	0.4
12 Sa	0921	0.0	0.0	27 Su	0842	0.2	0.1
	2351	1.3	0.4				
13 Su	0939	0.1	0.0	28 M	0034	1.2	0.4
					0839	0.5	0.2
					1445	0.8	0.2
					1931	0.7	0.2
14 M	0036	1.2	0.4	29 Tu	0206	1.0	0.3
	0948	0.3	0.1		0751	0.7	0.2
					1348	1.0	0.3
					2119	0.5	0.2
15 Tu	0135	1.1	0.3	30 W	1349	1.3	0.4
	0927	0.5	0.2		2245	0.3	0.1
	1527	0.7	0.2				
	1951	0.6	0.2				
				31 Th	1402	1.5	0.5

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL						MAY						JUNE					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0001	0.2	0.1	16	1355	1.9	0.6	1	0121	0.0	0.0	16	0120	-0.3	-0.1	1	0248	0.0	0.0
F	1429	1.6	0.5	Sa				Su	1421	1.9	0.6	M	1417	2.2	0.7	W	1521	1.8	0.5
2	0127	0.1	0.0	17	0115	-0.1	0.0	2	0227	0.0	0.0	17	0221	-0.3	-0.1	2	0323	0.1	0.0
Sa	1501	1.7	0.5	Su	1436	2.0	0.6	M	1500	1.9	0.6	Tu	1505	2.2	0.7	Th	1601	1.6	0.5
3	0303	0.0	0.0	18	0234	-0.2	-0.1	3	0331	0.0	0.0	18	0318	-0.2	-0.1	3	0349	0.3	0.1
Su	1539	1.7	0.5	M	1519	2.1	0.6	Tu	1542	1.8	0.5	W	1555	2.0	0.6	F	1633	1.5	0.5
4	0417	0.0	0.0	19	0345	-0.2	-0.1	4	0426	0.1	0.0	19	0401	-0.1	0.0	4	0403	0.4	0.1
M	1619	1.7	0.5	Tu	1612	2.0	0.6	W	1624	1.7	0.5	Th	1645	1.8	0.5	Sa	1648	1.3	0.4
5	0520	0.0	0.0	20	0446	-0.2	-0.1	5	0508	0.2	0.1	20	0436	0.2	0.1	5	0348	0.6	0.2
Tu	1713	1.6	0.5	W	1709	1.9	0.6	Th	1722	1.6	0.5	F	1727	1.5	0.5	Su	1314	1.1	0.3
6	0614	0.0	0.0	21	0535	-0.1	0.0	6	0540	0.3	0.1	21	0433	0.4	0.1	6	0239	0.8	0.2
W	1809	1.6	0.5	Th	1811	1.7	0.5	F	1818	1.4	0.4	Sa	1621	1.2	0.4	M	1054	1.2	0.4
																	2027	0.7	0.2
7	0656	0.1	0.0	22	0617	0.0	0.0	7	0558	0.4	0.1	22	0406	0.6	0.2	7	1009	1.4	0.4
Th	1924	1.5	0.5	F	1933	1.5	0.5	Sa	1903	1.2	0.4	Su	1208	1.1	0.3	Tu	2024	0.5	0.2
8	0732	0.1	0.0	23	0642	0.3	0.1	8	0603	0.6	0.2	23	0227	0.8	0.2	8	1014	1.6	0.5
F	2057	1.4	0.4	Sa	2122	1.2	0.4	Su	1430	1.0	0.3	M	1110	1.3	0.4	W	2057	0.2	0.1
									1800	0.9	0.3		2036	0.5	0.2				
									2154	1.0	0.3								
9	0751	0.3	0.1	24	0637	0.5	0.2	9	0525	0.8	0.2	24	1103	1.6	0.5	9	1035	1.8	0.5
Sa	2230	1.3	0.4	Su	1412	1.0	0.3	M	1221	1.1	0.3	Tu	2115	0.3	0.1	Th	2142	0.0	0.0
					1827	0.9	0.3		1925	0.8	0.2								
					2340	1.0	0.3												
10	0805	0.4	0.1	25	0606	0.8	0.2	10	0113	0.9	0.3	25	1115	1.8	0.5	10	1107	2.1	0.6
Su	2342	1.1	0.3	M	1236	1.1	0.3	Tu	0337	0.8	0.2	W	2154	0.1	0.0	F	2234	-0.2	-0.1
					2012	0.6	0.2		1133	1.3	0.4								
									2025	0.5	0.2								
11	0750	0.6	0.2	26	1221	1.4	0.4	11	1131	1.5	0.5	26	1140	1.9	0.6	11	1149	2.2	0.7
M	1411	0.9	0.3	Tu	2119	0.4	0.1	W	2124	0.3	0.1	Th	2239	0.0	0.0	Sa	2328	-0.3	-0.1
	1844	0.8	0.2																
12	0113	1.0	0.3	27	1225	1.6	0.5	12	1145	1.7	0.5	27	1212	2.0	0.6	12	1238	2.3	0.7
Tu	0715	0.8	0.2	W	2218	0.2	0.1	Th	2212	0.1	0.0	F	2332	-0.1	0.0	Su			
	1308	1.0	0.3																
	2018	0.6	0.2																
13	0312	0.9	0.3	28	1247	1.8	0.5	13	1211	1.9	0.6	28	1247	2.0	0.6	13	0022	-0.4	-0.1
W	0530	0.8	0.2	Th	2315	0.1	0.0	F	2311	-0.1	0.0	Sa				M	1326	2.3	0.7
	1251	1.2	0.4																
	2129	0.4	0.1																
14	1306	1.5	0.5	29	1312	1.9	0.6	14	1250	2.1	0.6	29	0021	-0.1	0.0	14	0115	-0.3	-0.1
Th	2239	0.2	0.1	F				Sa				Su	1323	2.0	0.6	Tu	1413	2.2	0.7
15	1323	1.7	0.5	30	0015	0.0	0.0	15	0014	-0.2	-0.1	30	0113	-0.1	0.0	15	0201	-0.2	-0.1
F	2349	0.1	0.0	Sa	1344	1.9	0.6	Su	1332	2.2	0.7	M	1402	2.0	0.6	W	1506	2.0	0.6
												31	0205	0.0	0.0				
												Tu	1442	1.9	0.6				

JUNE					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
16	0236	0.0	0.0	1	0248	0.0	0.0
Th	1548	1.8	0.5	W	1521	1.8	0.5
17	0254	0.2	0.1	2	0323	0.1	0.0
F	1609	1.4	0.4	Th	1601	1.6	0.5
18	0241	0.5	0.2	3	0349	0.3	0.1
Sa	1457	1.1	0.3	F	1633	1.5	0.5
19	0136	0.7	0.2	4	0403	0.4	0.1
Su	1009	1.2	0.4	Sa	1648	1.3	0.4
	2321	0.7	0.2				
20	0934	1.4	0.4	5	0348	0.6	0.2
M	2056	0.4	0.1	Su	1314	1.1	0.3
21	0942	1.6	0.5	6	0239	0.8	0.2
Tu	2059	0.2	0.1	M	1054	1.2	0.4
					2027	0.7	0.2
22	1010	1.8	0.5	7	1009	1.4	0.4
W	2134	0.1	0.0	Tu	2024	0.5	0.2
23	1037	1.9	0.6	8	1014	1.6	0.5
Th	2208	0.0	0.0	W	2057	0.2	0.1
24	1115	2.0	0.6	9	1035	1.8	0.5
F	2254	-0.1	0.0	Th	2142	0.0	0.0
25	1155	2.0	0.6	10	1107	2.1	0.6
Sa	2334	-0.1	0.0	F	2234	-0.2	-0.1
26	1237	2.0	0.6	11	1149	2.2	0.7
Su				Sa	2328	-0.3	-0.1
27	0016	-0.1	0.0	12	1238	2.3	0.7
M	1321	2.0	0.6	Su			
28	0059	0.0	0.0	13	0022	-0.4	-0.1
Tu	1403	1.9	0.6	M	1326	2.3	0.7
29	0131	0.0	0.0	14	0115	-0.3	-0.1
W	1442	1.8	0.5	Tu	1413	2.2	0.7
30	0203	0.1	0.0	15	0201	-0.2	-0.1
Th	1515	1.7	0.5	W	1506	2.0	0.6

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY						AUGUST						SEPTEMBER					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0221	0.3	0.1	16 Sa	0057	0.6	0.2	1 M	0604	1.2	0.4	16 Tu	0559	1.7	0.5	1 Th	0541	1.8	0.5
	1543	1.5	0.5		1557	1.1	0.3		2017	0.8	0.2		1843	0.3	0.1		1832	0.1	0.0
					2341	0.7	0.2												
2 Sa	0219	0.5	0.2	17 Su	0736	1.2	0.4	2 Tu	0619	1.4	0.4	17 W	0646	1.7	0.5	2 F	0646	1.9	0.6
	1554	1.3	0.4		2135	0.7	0.2		1842	0.5	0.2		1933	0.2	0.1		1929	0.0	0.0
3 Su	0148	0.6	0.2	18 M	0737	1.4	0.4	3 W	0651	1.6	0.5	18 Th	0742	1.8	0.5	3 Sa	0808	1.9	0.6
	1425	1.0	0.3		2000	0.4	0.1		1918	0.3	0.1		2019	0.1	0.0		2021	-0.1	0.0
4 M	0033	0.7	0.2	19 Tu	0802	1.6	0.5	4 Th	0737	1.8	0.5	19 F	0852	1.8	0.5	4 Su	0933	1.9	0.6
	0900	1.1	0.3		2018	0.2	0.1		2000	0.0	0.0		2108	0.1	0.0		2110	0.0	0.0
	2146	0.7	0.2																
5 Tu	0831	1.4	0.4	20 W	0841	1.8	0.5	5 F	0837	2.0	0.6	20 Sa	1009	1.8	0.5	5 M	1059	1.9	0.6
	2006	0.5	0.2		2050	0.1	0.0		2048	-0.1	0.0		2147	0.1	0.0		2158	0.1	0.0
6 W	0842	1.6	0.5	21 Th	0927	1.9	0.6	6 Sa	0942	2.1	0.6	21 Su	1118	1.8	0.5	6 Tu	1219	1.8	0.5
	2023	0.2	0.1		2125	0.0	0.0		2138	-0.2	-0.1		2225	0.2	0.1		2231	0.3	0.1
7 Th	0918	1.8	0.5	22 F	1015	1.9	0.6	7 Su	1051	2.1	0.6	22 M	1215	1.7	0.5	7 W	1331	1.6	0.5
	2100	0.0	0.0		2207	0.0	0.0		2227	-0.2	-0.1		2259	0.2	0.1		2256	0.6	0.2
8 F	1001	2.0	0.6	23 Sa	1106	1.9	0.6	8 M	1157	2.1	0.6	23 Tu	1306	1.7	0.5	8 Th	1447	1.4	0.4
	2147	-0.2	-0.1		2247	0.0	0.0		2313	-0.1	0.0		2318	0.3	0.1		2218	0.8	0.2
9 Sa	1052	2.2	0.7	24 Su	1202	1.9	0.6	9 Tu	1302	2.0	0.6	24 W	1351	1.6	0.5	9 F	0206	0.9	0.3
	2236	-0.3	-0.1		2327	0.0	0.0		2352	0.0	0.0		2339	0.5	0.2		0832	0.6	0.2
																	1608	1.2	0.4
																	2057	1.0	0.3
10 Su	1146	2.3	0.7	25 M	1247	1.9	0.6	10 W	1358	1.9	0.6	25 Th	1433	1.5	0.5	10 Sa	0207	1.2	0.4
	2327	-0.4	-0.1		2357	0.1	0.0						2345	0.6	0.2		1015	0.5	0.2
11 M	1241	2.3	0.7	26 Tu	1333	1.8	0.5	11 Th	0017	0.3	0.1	26 F	1515	1.4	0.4	11 Su	0236	1.5	0.5
									1454	1.6	0.5		2309	0.8	0.2		1158	0.4	0.1
12 Tu	0015	-0.3	-0.1	27 W	0029	0.1	0.0	12 F	0006	0.6	0.2	27 Sa	0339	0.9	0.3	12 M	0315	1.6	0.5
	1336	2.2	0.7		1412	1.8	0.5		1554	1.3	0.4		0833	0.8	0.2		1357	0.4	0.1
									2319	0.8	0.2		1601	1.2	0.4				
													2216	0.9	0.3				
13 W	0054	-0.2	-0.1	28 Th	0054	0.3	0.1	13 Sa	0436	1.0	0.3	28 Su	0320	1.1	0.3	13 Tu	0357	1.7	0.5
	1428	2.0	0.6		1451	1.6	0.5		1042	0.8	0.2		1030	0.7	0.2		1608	0.3	0.1
									1648	1.0	0.3		1703	1.0	0.3				
									2136	0.9	0.3		2024	0.9	0.3				
14 Th	0126	0.1	0.0	29 F	0104	0.4	0.1	14 Su	0445	1.3	0.4	29 M	0331	1.3	0.4	14 W	0439	1.7	0.5
	1514	1.7	0.5		1522	1.5	0.5		1353	0.7	0.2		1230	0.6	0.2		1738	0.2	0.1
15 F	0130	0.4	0.1	30 Sa	0051	0.6	0.2	15 M	0520	1.5	0.5	30 Tu	0403	1.5	0.5	15 Th	0533	1.7	0.5
	1549	1.4	0.4		1557	1.3	0.4		1754	0.5	0.2		1507	0.5	0.2		1847	0.2	0.1
				31 Su	0015	0.7	0.2					31 W	0449	1.7	0.5				
					0652	1.0	0.3						1722	0.3	0.1				
					1036	0.9	0.3												
					1612	1.0	0.3												
					2252	0.8	0.2												

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER						NOVEMBER						DECEMBER					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0605	1.8	0.5	16 Su	0721	1.3	0.4	1 Tu	0956	0.9	0.3	16 W	0636	0.5	0.2	1 Th	0757	-0.1	0.0	16 F	0757	-0.2	-0.1
	1845	0.0	0.0		1915	0.3	0.1		1758	0.5	0.2		1255	0.6	0.2		2158	1.3	0.4		2119	1.2	0.4
													1500	0.5	0.2								
													2241	0.8	0.2								
2 Su	0739	1.7	0.5	17 M	0948	1.2	0.4	2 W	0015	0.8	0.2	17 Th	0718	0.3	0.1	2 F	0832	-0.3	-0.1	17 Sa	0827	-0.4	-0.1
	1939	0.1	0.0		1947	0.4	0.1		0624	0.5	0.2		2221	1.0	0.3		2220	1.5	0.5		2151	1.4	0.4
									1304	0.8	0.2												
									1647	0.7	0.2												
									2311	1.0	0.3												
3 M	0938	1.6	0.5	18 Tu	1135	1.1	0.3	3 Th	0740	0.3	0.1	18 F	0801	0.0	0.0	3 Sa	0914	-0.5	-0.2	18 Su	0908	-0.6	-0.2
	2021	0.2	0.1		1949	0.6	0.2		2307	1.2	0.4		2234	1.2	0.4		2252	1.6	0.5		2223	1.5	0.5
4 Tu	1124	1.4	0.4	19 W	0133	0.7	0.2	4 F	0839	0.0	0.0	19 Sa	0843	-0.2	-0.1	4 Su	0959	-0.6	-0.2	19 M	0954	-0.7	-0.2
	2043	0.5	0.2		0533	0.6	0.2		2329	1.5	0.5		2253	1.4	0.4		2324	1.6	0.5		2309	1.7	0.5
					1304	1.0	0.3																
					1933	0.8	0.2																
5 W	1309	1.2	0.4	20 Th	0005	0.9	0.3	5 Sa	0934	-0.2	-0.1	20 Su	0936	-0.3	-0.1	5 M	1045	-0.6	-0.2	20 Tu	1042	-0.8	-0.2
	2037	0.8	0.2		0658	0.5	0.2		2354	1.6	0.5		2325	1.6	0.5						2354	1.7	0.5
					1451	0.9	0.3																
					1824	0.8	0.2																
					2333	1.0	0.3																
6 Th	0054	0.9	0.3	21 F	0801	0.4	0.1	6 Su	1030	-0.3	-0.1	21 M	1025	-0.5	-0.2	6 Tu	0003	1.6	0.5	21 W	1132	-0.9	-0.3
	0713	0.6	0.2		2339	1.2	0.4										1133	-0.6	-0.2				
	1501	1.1	0.3																				
	1924	1.0	0.3																				
7 F	0018	1.1	0.3	22 Sa	0854	0.2	0.1	7 M	0026	1.7	0.5	22 Tu	0007	1.7	0.5	7 W	0040	1.6	0.5	22 Th	0045	1.7	0.5
	0842	0.4	0.1						1122	-0.3	-0.1		1120	-0.5	-0.2		1221	-0.6	-0.2		1220	-0.8	-0.2
8 Sa	0033	1.4	0.4	23 Su	0000	1.4	0.4	8 Tu	0103	1.7	0.5	23 W	0049	1.8	0.5	8 Th	0122	1.5	0.5	23 F	0131	1.6	0.5
	0954	0.2	0.1		0949	0.1	0.0		1221	-0.3	-0.1		1224	-0.6	-0.2		1307	-0.5	-0.2		1304	-0.7	-0.2
9 Su	0101	1.6	0.5	24 M	0036	1.6	0.5	9 W	0138	1.7	0.5	24 Th	0131	1.8	0.5	9 F	0204	1.4	0.4	24 Sa	0222	1.4	0.4
	1104	0.1	0.0		1051	-0.1	0.0		1328	-0.3	-0.1		1321	-0.6	-0.2		1353	-0.4	-0.1		1334	-0.5	-0.2
10 M	0137	1.7	0.5	25 Tu	0104	1.7	0.5	10 Th	0216	1.6	0.5	25 F	0221	1.7	0.5	10 Sa	0243	1.2	0.4	25 Su	0301	1.1	0.3
	1220	0.0	0.0		1201	-0.1	0.0		1431	-0.2	-0.1		1412	-0.5	-0.2		1425	-0.2	-0.1		1345	-0.2	-0.1
11 Tu	0219	1.8	0.5	26 W	0150	1.8	0.5	11 F	0304	1.5	0.5	26 Sa	0306	1.5	0.5	11 Su	0314	1.0	0.3	26 M	0321	0.8	0.2
	1342	0.0	0.0		1319	-0.2	-0.1		1531	-0.1	0.0		1503	-0.3	-0.1		1446	-0.1	0.0		1318	0.0	0.0
																					2239	0.6	0.2
12 W	0257	1.7	0.5	27 Th	0235	1.8	0.5	12 Sa	0347	1.3	0.4	27 Su	0352	1.3	0.4	12 M	0330	0.8	0.2	27 Tu	1156	0.2	0.1
	1512	0.1	0.0		1436	-0.2	-0.1		1621	0.0	0.0		1530	-0.1	0.0		1440	0.1	0.0		2042	0.7	0.2
13 Th	0342	1.7	0.5	28 F	0324	1.8	0.5	13 Su	0436	1.1	0.3	28 M	0424	1.0	0.3	13 Tu	0157	0.6	0.2	28 W	0826	0.0	0.0
	1633	0.1	0.0		1553	-0.2	-0.1		1700	0.1	0.0		1531	0.1	0.0		1357	0.2	0.1		2030	1.0	0.3
																	2219	0.6	0.2				
14 F	0433	1.6	0.5	29 Sa	0423	1.7	0.5	14 M	0454	0.9	0.3	29 Tu	0100	0.7	0.2	14 W	1048	0.3	0.1	29 Th	0743	-0.2	-0.1
	1738	0.1	0.0		1650	-0.1	0.0		1710	0.3	0.1		1437	0.3	0.1		2113	0.8	0.2		2048	1.2	0.4
													2227	0.8	0.2								
15 Sa	0538	1.4	0.4	30 Su	0530	1.5	0.5	15 Tu	0237	0.7	0.2	30 W	0725	0.3	0.1	15 Th	0742	0.1	0.0	30 F	0812	-0.5	-0.2
	1833	0.2	0.1		1737	0.0	0.0		0525	0.6	0.2		2154	1.0	0.3		2111	1.0	0.3		2113	1.4	0.4
									0724	0.7	0.2												
									1654	0.5	0.2												
									2345	0.7	0.2												
				31 M	0709	1.2	0.4													31 Sa	0851	-0.6	-0.2
					1804	0.3	0.1														2149	1.5	0.5

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.

GALVESTON (Galveston Channel), TEXAS, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0014	1.0	0.3
	0306	1.1	0.3
	1130	-0.9	-0.3
	1948	1.3	0.4
2 Su	0104	0.9	0.3
	0406	1.0	0.3
	1222	-0.8	-0.2
	2030	1.2	0.4
3 M	0157	0.8	0.2
	0524	0.9	0.3
	1315	-0.5	-0.2
	2106	1.1	0.3
4 Tu	0255	0.6	0.2
	0654	0.7	0.2
	1410	-0.2	-0.1
	2138	1.0	0.3
5 W	0355	0.4	0.1
	0853	0.6	0.2
	1509	0.1	0.0
	2203	0.9	0.3
6 Th	0447	0.1	0.0
	1103	0.7	0.2
	1622	0.3	0.1
	2222	0.8	0.2
7 F	0538	-0.1	0.0
	1306	0.8	0.2
	1751	0.5	0.2
	2242	0.8	0.2
8 Sa	0624	-0.3	-0.1
	1429	0.9	0.3
	1922	0.7	0.2
	2300	0.8	0.2
9 Su	0709	-0.4	-0.1
	1531	1.0	0.3
	2051	0.7	0.2
	2315	0.8	0.2
10 M	0749	-0.5	-0.2
	1620	1.1	0.3
11 Tu	0831	-0.6	-0.2
	1702	1.1	0.3
12 W	0907	-0.6	-0.2
	1734	1.1	0.3
	2252	0.7	0.2
13 Th	0102	0.8	0.2
	0942	-0.6	-0.2
	1808	1.1	0.3
	2313	0.7	0.2
14 F	0147	0.8	0.2
	1018	-0.6	-0.2
	1842	1.0	0.3
	2339	0.7	0.2
15 Sa	0223	0.8	0.2
	1051	-0.6	-0.2
	1912	1.0	0.3
16 Su	0004	0.7	0.2
	0257	0.8	0.2
	1123	-0.5	-0.2
	1936	1.0	0.3
17 M	0036	0.7	0.2
	0337	0.8	0.2
	1157	-0.4	-0.1
	2002	0.9	0.3
18 Tu	0111	0.6	0.2
	0442	0.7	0.2
	1235	-0.3	-0.1
	2023	0.8	0.2
19 W	0150	0.5	0.2
	0552	0.6	0.2
	1314	-0.1	0.0
	2039	0.8	0.2
20 Th	0238	0.3	0.1
	0731	0.6	0.2
	1406	0.1	0.0
	2053	0.7	0.2
21 F	0327	0.1	0.0
	0939	0.6	0.2
	1506	0.3	0.1
	2103	0.7	0.2
22 Sa	0416	-0.1	0.0
	1150	0.7	0.2
	1639	0.5	0.2
	2121	0.7	0.2
23 Su	0512	-0.3	-0.1
	1326	0.9	0.3
	1833	0.6	0.2
	2143	0.7	0.2
24 M	0609	-0.6	-0.2
	1441	1.1	0.3
	2007	0.7	0.2
	2218	0.8	0.2
25 Tu	0702	-0.8	-0.2
	1530	1.2	0.4
	2109	0.8	0.2
	2315	0.9	0.3
26 W	0755	-0.9	-0.3
	1623	1.3	0.4
	2147	0.8	0.2
27 Th	0021	0.9	0.3
	0848	-1.0	-0.3
	1706	1.3	0.4
	2219	0.9	0.3
28 F	0127	1.0	0.3
	0940	-1.1	-0.3
	1748	1.3	0.4
	2255	0.8	0.2
29 Sa	0233	1.0	0.3
	1029	-1.0	-0.3
	1827	1.2	0.4
	2333	0.7	0.2
30 Su	0341	1.0	0.3
	1118	-0.8	-0.2
	1859	1.1	0.3
31 M	0014	0.6	0.2
	0447	0.9	0.3
	1207	-0.6	-0.2
	1928	1.0	0.3

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0057	0.4	0.1
	0601	0.8	0.2
	1256	-0.3	-0.1
	1953	0.9	0.3
2 W	0150	0.2	0.1
	0727	0.7	0.2
	1342	0.0	0.0
	2011	0.8	0.2
3 Th	0242	0.0	0.0
	0914	0.7	0.2
	1440	0.3	0.1
	2025	0.7	0.2
4 F	0343	-0.1	0.0
	1121	0.7	0.2
	1603	0.6	0.2
	2036	0.7	0.2
5 Sa	0442	-0.3	-0.1
	1321	0.8	0.2
	1812	0.6	0.2
	2034	0.7	0.2
6 Su	0542	-0.4	-0.1
	1437	1.0	0.3
7 M	0639	-0.4	-0.1
	1526	1.0	0.3
8 Tu	0728	-0.5	-0.2
	1604	1.0	0.3
9 W	0811	-0.5	-0.2
	1639	1.1	0.3
	2201	0.7	0.2
10 Th	0025	0.8	0.2
	0855	-0.5	-0.2
	1707	1.0	0.3
	2213	0.7	0.2
11 F	0130	0.8	0.2
	0930	-0.5	-0.2
	1733	1.0	0.3
	2231	0.7	0.2
12 Sa	0209	0.8	0.2
	1002	-0.5	-0.2
	1755	1.0	0.3
	2251	0.7	0.2
13 Su	0254	0.9	0.3
	1034	-0.4	-0.1
	1813	1.0	0.3
	2310	0.6	0.2
14 M	0336	0.9	0.3
	1106	-0.4	-0.1
	1830	0.9	0.3
	2340	0.5	0.2
15 Tu	0425	0.8	0.2
	1139	-0.2	-0.1
	1843	0.9	0.3
16 W	0007	0.4	0.1
	0527	0.8	0.2
	1217	0.0	0.0
	1855	0.8	0.2
17 Th	0043	0.3	0.1
	0638	0.8	0.2
	1256	0.2	0.1
	1903	0.8	0.2
18 F	0125	0.1	0.0
	0805	0.8	0.2
	1342	0.4	0.1
	1914	0.8	0.2
19 Sa	0221	-0.1	0.0
	1005	0.8	0.2
	1453	0.6	0.2
	1919	0.8	0.2
20 Su	0325	-0.2	-0.1
	1203	1.0	0.3
	1703	0.7	0.2
	1927	0.8	0.2
21 M	0432	-0.4	-0.1
	1334	1.1	0.3
22 Tu	0542	-0.6	-0.2
	1435	1.3	0.4
23 W	0645	-0.7	-0.2
	1520	1.3	0.4
	2100	0.9	0.3
	2307	1.0	0.3
24 Th	0747	-0.8	-0.2
	1559	1.4	0.4
	2121	0.9	0.3
25 F	0039	1.0	0.3
	0840	-0.8	-0.2
	1635	1.3	0.4
	2147	0.8	0.2
26 Sa	0155	1.1	0.3
	0932	-0.7	-0.2
	1707	1.3	0.4
	2219	0.7	0.2
27 Su	0303	1.1	0.3
	1021	-0.6	-0.2
	1733	1.2	0.4
	2254	0.5	0.2
28 M	0408	1.1	0.3
	1107	-0.3	-0.1
	1757	1.1	0.3
	2329	0.3	0.1

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0513	1.1	0.3
	1152	-0.1	0.0
	1815	1.0	0.3
2 W	0012	0.2	0.1
	0627	1.1	0.3
	1237	0.2	0.1
	1827	0.9	0.3
3 Th	0054	0.0	0.0
	0746	1.0	0.3
	1329	0.5	0.2
	1837	0.9	0.3
4 F	0139	-0.1	0.0
	0926	1.0	0.3
	1425	0.7	0.2
	1837	0.9	0.3
5 Sa	0237	-0.1	0.0
	1119	1.0	0.3
6 Su	0340	-0.1	0.0
	1309	1.1	0.3
7 M	0454	-0.1	0.0
	1415	1.1	0.3
8 Tu	0601	-0.1	0.0
	1457	1.2	0.4
9 W	0702	-0.2	-0.1
	1528	1.2	0.4
	2113	0.8	0.2
	2330	0.9	0.3
10 Th	0751	-0.2	-0.1
	1554	1.2	0.4
	2115	0.8	0.2
11 F	0053	1.0	0.3
	0833	-0.2	-0.1
	1615	1.2	0.4
	2127	0.8	0.2
12 Sa	0142	1.0	0.3
	0909	-0.2	-0.1
	1633	1.1	0.3
	2145	0.7	0.2
13 Su	0230	1.1	0.3
	0941	-0.1	0.0
	1649	1.1	0.3
	2207	0.6	0.2
14 M	0316	1.1	0.3
	1015	0.0	0.0
	1703	1.1	0.3
	2225	0.5	0.2
15 Tu	0407	1.1	0.3
	1047	0.1	0.0
	1714	1.0	0.3
	2253	0.4	0.1
16 W	0500	1.2	0.4
	1124	0.3	0.1
	1721	1.0	0.3
	2322	0.2	0.1
17 Th	0558	1.2	0.4
	1208	0.5	0.2
	1725	1.0	0.3
	2358	0.1	0.0
18 F	0707	1.2	0.4
	1253	0.7	0.2
	1730	1.0	0.3
19 Sa	0043	0.0	0.0
	0837	1.2	0.4
	1353	0.9	0.3
	1734	1.0	0.3
20 Su	0139	-0.1	0.0
	1020	1.3	0.4
21 M	0247	-0.2	-0.1
	1203	1.4	0.4
22 Tu	0404	-0.3	-0.1
	1318	1.4	0.4
23 W	0522	-0.3	-0.1
	1407	1.5	0.5
24 Th	0633	-0.3	-0.1
	1443	1.5	0.5
	2027	1.0	0.3
	2348	1.1	0.3
25 F	0735	-0.3	-0.1
	1521	1.5	0.5
	2046	0.9	0.3
26 Sa	0114	1.2	0.4
	0831	-0.2	-0.1
	1546	1.4	0.4
	2115	0.7	0.2
27 Su	0227	1.3	0.4
	0920	-0.1	0.0
	1608	1.3	0.4
	2143	0.5	0.2
28 M	0331	1.4	0.4
	1009	0.1	0.0
	1626	1.2	0.4
	2215	0.3	0.1
29 Tu	0434	1.4	0.4
	1057	0.3	0.1
	1641	1.1	0.3
	2254	0.2	0.1
30 W	0539	1.4	0.4
	1143	0.6	0.2
	1651	1.1	0.3
	2329	0.0	0.0
31 Th	0642	1.4	0.4
	1229	0.8	0.2
	1657	1.1	0.3

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.
On days when the tide is diurnal, high water has an approximate stand of about 7 hours.
Predictions are for beginning of stand.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0006	0.0	0.0	16 Sa	0735	1.6	0.5
	0755	1.4	0.4		1310	1.1	0.3
	1322	1.0	0.3		1607	1.2	0.4
	1700	1.1	0.3				
2 Sa	0049	0.0	0.0	17 Su	0019	-0.2	-0.1
	0917	1.3	0.4		0854	1.6	0.5
3 Su	0139	0.0	0.0	18 M	0116	-0.2	-0.1
	1054	1.3	0.4		1021	1.6	0.5
4 M	0241	0.1	0.0	19 Tu	0224	-0.1	0.0
	1229	1.3	0.4		1139	1.6	0.5
5 Tu	0359	0.2	0.1	20 W	0342	-0.1	0.0
	1325	1.3	0.4		1236	1.6	0.5
6 W	0517	0.2	0.1	21 Th	0502	0.0	0.0
	1404	1.3	0.4		1318	1.6	0.5
					1933	1.0	0.3
					2237	1.1	0.3
7 Th	0623	0.2	0.1	22 F	0615	0.0	0.0
	1430	1.3	0.4		1354	1.5	0.5
	2027	0.9	0.3		1949	0.9	0.3
	2348	1.0	0.3				
8 F	0715	0.2	0.1	23 Sa	0028	1.2	0.4
	1451	1.3	0.4		0720	0.2	0.1
	2033	0.9	0.3		1419	1.4	0.4
					2014	0.7	0.2
9 Sa	0054	1.1	0.3	24 Su	0149	1.3	0.4
	0759	0.2	0.1		0819	0.3	0.1
	1513	1.3	0.4		1441	1.4	0.4
	2041	0.8	0.2		2041	0.4	0.1
10 Su	0153	1.2	0.4	25 M	0259	1.5	0.5
	0839	0.3	0.1		0912	0.5	0.2
	1524	1.2	0.4		1456	1.3	0.4
	2103	0.7	0.2		2113	0.2	0.1
11 M	0247	1.3	0.4	26 Tu	0402	1.5	0.5
	0921	0.3	0.1		1003	0.7	0.2
	1533	1.2	0.4		1508	1.2	0.4
	2121	0.5	0.2		2145	0.1	0.0
12 Tu	0337	1.4	0.4	27 W	0459	1.6	0.5
	1000	0.5	0.2		1054	0.9	0.3
	1542	1.2	0.4		1517	1.2	0.4
	2146	0.3	0.1		2217	0.0	0.0
13 W	0429	1.5	0.5	28 Th	0558	1.6	0.5
	1042	0.6	0.2		1143	1.0	0.3
	1553	1.1	0.3		1521	1.2	0.4
	2215	0.2	0.1		2252	-0.1	0.0
14 Th	0524	1.5	0.5	29 F	0654	1.6	0.5
	1121	0.8	0.2		1237	1.1	0.3
	1558	1.1	0.3		1522	1.2	0.4
	2250	0.0	0.0		2329	-0.1	0.0
15 F	0627	1.6	0.5	30 Sa	0800	1.6	0.5
	1214	1.0	0.3				
	1606	1.2	0.4				
	2329	-0.1	0.0				

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0011	0.0	0.0	16 M	0006	-0.4	-0.1
	0859	1.5	0.5		0853	1.7	0.5
2 M	0056	0.1	0.0	17 Tu	0103	-0.3	-0.1
	1017	1.5	0.5		1001	1.7	0.5
3 Tu	0151	0.2	0.1	18 W	0208	-0.2	-0.1
	1127	1.4	0.4		1055	1.6	0.5
4 W	0258	0.3	0.1	19 Th	0320	0.0	0.0
	1216	1.4	0.4		1144	1.6	0.5
					1826	0.9	0.3
					2109	1.0	0.3
5 Th	0411	0.3	0.1	20 F	0439	0.2	0.1
	1248	1.4	0.4		1219	1.5	0.5
					1841	0.8	0.2
					2331	1.1	0.3
6 F	0523	0.4	0.1	21 Sa	0552	0.4	0.1
	1317	1.4	0.4		1245	1.4	0.4
	1939	0.9	0.3		1910	0.5	0.2
	2337	1.0	0.3				
7 Sa	0622	0.4	0.1	22 Su	0110	1.2	0.4
	1335	1.3	0.4		0705	0.5	0.2
	1940	0.8	0.2		1306	1.3	0.4
					1941	0.3	0.1
8 Su	0058	1.1	0.3	23 M	0227	1.3	0.4
	0721	0.5	0.2		0810	0.7	0.2
	1347	1.3	0.4		1321	1.2	0.4
	1955	0.6	0.2		2013	0.1	0.0
9 M	0204	1.3	0.4	24 Tu	0333	1.5	0.5
	0810	0.6	0.2		0913	0.9	0.3
	1401	1.2	0.4		1334	1.2	0.4
	2017	0.4	0.1		2045	-0.1	0.0
10 Tu	0259	1.4	0.4	25 W	0429	1.6	0.5
	0900	0.7	0.2		1009	1.0	0.3
	1410	1.2	0.4		1342	1.2	0.4
	2044	0.2	0.1		2121	-0.2	-0.1
11 W	0352	1.5	0.5	26 Th	0521	1.6	0.5
	0949	0.8	0.2		1108	1.1	0.3
	1419	1.2	0.4		1354	1.2	0.4
	2114	0.0	0.0		2152	-0.3	-0.1
12 Th	0447	1.6	0.5	27 F	0610	1.6	0.5
	1043	1.0	0.3		2228	-0.3	-0.1
	1430	1.2	0.4				
	2149	-0.2	-0.1				
13 F	0543	1.7	0.5	28 Sa	0659	1.6	0.5
	1136	1.1	0.3		2304	-0.2	-0.1
	1442	1.2	0.4				
	2230	-0.3	-0.1				
14 Sa	0642	1.8	0.5	29 Su	0744	1.5	0.5
	1235	1.2	0.4		2344	-0.1	0.0
	1449	1.3	0.4				
	2313	-0.4	-0.1				
15 Su	0746	1.7	0.5	30 M	0833	1.5	0.5
				31 Tu	0023	0.0	0.0
					0928	1.4	0.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0110	0.1	0.0	16 Th	0152	-0.2	-0.1
	1018	1.4	0.4		0959	1.4	0.4
					1628	0.8	0.2
					1938	0.9	0.3
2 Th	0202	0.2	0.1	17 F	0258	0.1	0.0
	1053	1.3	0.4		1035	1.3	0.4
					1713	0.6	0.2
					2208	0.9	0.3
3 F	0305	0.3	0.1	18 Sa	0411	0.4	0.1
	1125	1.3	0.4		1103	1.2	0.4
	1831	0.7	0.2		1751	0.4	0.1
	2109	0.8	0.2				
4 Sa	0410	0.4	0.1	19 Su	0014	1.0	0.3
	1147	1.2	0.4		0527	0.6	0.2
	1825	0.7	0.2		1125	1.2	0.4
	2338	0.9	0.3		1830	0.1	0.0
5 Su	0527	0.5	0.2	20 M	0147	1.2	0.4
	1203	1.2	0.4		0658	0.8	0.2
	1843	0.5	0.2		1143	1.1	0.3
					1909	-0.1	0.0
6 M	0103	1.1	0.3	21 Tu	0306	1.3	0.4
	0636	0.7	0.2		0819	1.0	0.3
	1217	1.1	0.3		1156	1.1	0.3
	1909	0.2	0.1		1948	-0.3	-0.1
7 Tu	0212	1.2	0.4	22 W	0358	1.5	0.5
	0748	0.8	0.2		0936	1.0	0.3
	1229	1.1	0.3		1203	1.1	0.3
	1934	0.0	0.0		2025	-0.4	-0.1
8 W	0311	1.4	0.4	23 Th	0447	1.5	0.5
	0854	0.9	0.3		2100	-0.4	-0.1
	1241	1.1	0.3				
	2009	-0.2	-0.1				
9 Th	0407	1.6	0.5	24 F	0533	1.5	0.5
	0953	1.0	0.3		2139	-0.4	-0.1
	1300	1.1	0.3				
	2048	-0.4	-0.1				
10 F	0459	1.7	0.5	25 Sa	0611	1.5	0.5
	1053	1.1	0.3		2214	-0.4	-0.1
	1318	1.2	0.4				
	2133	-0.6	-0.2				
11 Sa	0553	1.7	0.5	26 Su	0650	1.5	0.5
	1142	1.1	0.3		2249	-0.3	-0.1
	1343	1.2	0.4				
	2219	-0.6	-0.2				
12 Su	0646	1.8	0.5	27 M	0725	1.4	0.4
	2307	-0.6	-0.2		2324	-0.2	-0.1
13 M	0741	1.7	0.5	28 Tu	0801	1.4	0.4
	2358	-0.6	-0.2		2359	-0.1	0.0
14 Tu	0831	1.6	0.5	29 W	0836	1.3	0.4
15 W	0053	-0.4	-0.1	30 Th	0038	0.0	0.0
	0920	1.5	0.5		0905	1.3	0.4

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.
On days when the tide is diurnal, high water has an approximate stand of about 7 hours.
Predictions are for beginning of stand.

GALVESTON (Galveston Channel), TEXAS, 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0117	0.1	0.0
	0927	1.2	0.4
	1615	0.7	0.2
	1845	0.8	0.2
2 Sa	0206	0.3	0.1
	0948	1.1	0.3
	1637	0.6	0.2
	2121	0.8	0.2
3 Su	0304	0.5	0.2
	1003	1.1	0.3
	1706	0.4	0.1
	2340	0.9	0.3
4 M	0430	0.7	0.2
	1017	1.0	0.3
	1741	0.2	0.1
5 Tu	0118	1.1	0.3
	0610	0.9	0.3
	1031	1.0	0.3
	1820	-0.1	0.0
6 W	0227	1.3	0.4
	0747	0.9	0.3
	1046	1.0	0.3
	1902	-0.3	-0.1
7 Th	0323	1.5	0.5
	0900	1.0	0.3
	1115	1.1	0.3
	1945	-0.5	-0.2
8 F	0415	1.6	0.5
	2033	-0.7	-0.2
9 Sa	0500	1.7	0.5
	2121	-0.8	-0.2
10 Su	0545	1.7	0.5
	1124	1.1	0.3
	1340	1.2	0.4
	2211	-0.8	-0.2
11 M	0631	1.7	0.5
	1203	1.1	0.3
	1439	1.2	0.4
	2300	-0.7	-0.2
12 Tu	0713	1.6	0.5
	1245	1.1	0.3
	1550	1.2	0.4
	2350	-0.5	-0.2
13 W	0749	1.5	0.5
	1327	0.9	0.3
	1704	1.1	0.3
14 Th	0039	-0.3	-0.1
	0821	1.4	0.4
	1418	0.8	0.2
	1830	1.0	0.3
15 F	0133	0.0	0.0
	0853	1.3	0.4
	1518	0.5	0.2
	2027	0.9	0.3
16 Sa	0232	0.3	0.1
	0915	1.2	0.4
	1607	0.3	0.1
	2243	0.9	0.3
17 Su	0342	0.7	0.2
	0933	1.1	0.3
	1659	0.1	0.0
18 M	0049	1.1	0.3
	0518	0.9	0.3
	0945	1.1	0.3
	1751	-0.1	0.0
19 Tu	0219	1.3	0.4
	0726	1.0	0.3
	0948	1.1	0.3
	1839	-0.2	-0.1
20 W	0321	1.4	0.4
	1925	-0.3	-0.1
21 Th	0409	1.5	0.5
	2007	-0.4	-0.1
22 F	0449	1.5	0.5
	2050	-0.4	-0.1
23 Sa	0521	1.5	0.5
	2126	-0.3	-0.1
24 Su	0553	1.5	0.5
	2201	-0.3	-0.1
25 M	0618	1.4	0.4
	1149	1.0	0.3
	1409	1.1	0.3
	2234	-0.2	-0.1
26 Tu	0647	1.4	0.4
	1218	1.0	0.3
	1455	1.1	0.3
	2305	-0.2	-0.1
27 W	0709	1.3	0.4
	1238	0.9	0.3
	1547	1.0	0.3
	2335	0.0	0.0
28 Th	0730	1.3	0.4
	1308	0.9	0.3
	1642	1.0	0.3
29 F	0007	0.1	0.0
	0745	1.2	0.4
	1340	0.8	0.2
	1752	0.9	0.3
30 Sa	0042	0.3	0.1
	0757	1.2	0.4
	1421	0.6	0.2
	1925	0.9	0.3
31 Su	0123	0.5	0.2
	0809	1.1	0.3
	1500	0.5	0.2
	2130	0.9	0.3

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0218	0.7	0.2
	0815	1.1	0.3
	1549	0.3	0.1
	2347	1.1	0.3
2 Tu	0342	1.0	0.3
	0825	1.1	0.3
	1642	0.0	0.0
3 W	0130	1.3	0.4
	0612	1.0	0.3
	0827	1.1	0.3
	1738	-0.2	-0.1
4 Th	0232	1.5	0.5
	1834	-0.4	-0.1
5 F	0321	1.6	0.5
	1929	-0.5	-0.2
6 Sa	0406	1.7	0.5
	2022	-0.6	-0.2
7 Su	0445	1.8	0.5
	1013	1.2	0.4
	1253	1.3	0.4
	2112	-0.6	-0.2
8 M	0524	1.7	0.5
	1042	1.2	0.4
	1406	1.4	0.4
	2203	-0.6	-0.2
9 Tu	0556	1.7	0.5
	1113	1.1	0.3
	1518	1.4	0.4
	2250	-0.4	-0.1
10 W	0625	1.6	0.5
	1152	0.9	0.3
	1627	1.3	0.4
	2337	-0.2	-0.1
11 Th	0651	1.5	0.5
	1234	0.7	0.2
	1745	1.3	0.4
12 F	0026	0.1	0.0
	0715	1.4	0.4
	1319	0.5	0.2
	1911	1.2	0.4
13 Sa	0115	0.5	0.2
	0731	1.3	0.4
	1412	0.3	0.1
	2055	1.2	0.4
14 Su	0210	0.8	0.2
	0744	1.2	0.4
	1511	0.2	0.1
	2304	1.2	0.4
15 M	0319	1.1	0.3
	0747	1.2	0.4
	1612	0.1	0.0
16 Tu	0110	1.4	0.4
	1711	0.0	0.0
17 W	0227	1.5	0.5
	1811	-0.1	0.0
18 Th	0316	1.6	0.5
	1908	-0.1	0.0
19 F	0355	1.6	0.5
	1953	-0.1	0.0
20 Sa	0426	1.6	0.5
	2035	-0.1	0.0
21 Su	0451	1.6	0.5
	1027	1.1	0.3
	1302	1.2	0.4
	2114	-0.1	0.0
22 M	0515	1.5	0.5
	1035	1.2	0.4
	1359	1.3	0.4
	2142	0.0	0.0
23 Tu	0531	1.5	0.5
	1057	1.1	0.3
	1448	1.3	0.4
	2218	0.1	0.0
24 W	0548	1.5	0.5
	1114	1.0	0.3
	1533	1.3	0.4
	2243	0.2	0.1
25 Th	0605	1.4	0.4
	1137	0.9	0.3
	1622	1.3	0.4
	2318	0.3	0.1
26 F	0615	1.4	0.4
	1200	0.8	0.2
	1724	1.2	0.4
	2347	0.5	0.2
27 Sa	0624	1.3	0.4
	1233	0.7	0.2
	1827	1.2	0.4
28 Su	0022	0.7	0.2
	0627	1.3	0.4
	1308	0.5	0.2
	1948	1.2	0.4
29 M	0104	0.9	0.3
	0630	1.3	0.4
	1351	0.4	0.1
	2145	1.3	0.4
30 Tu	0157	1.2	0.4
	0631	1.3	0.4
	1453	0.2	0.1
	2355	1.4	0.4
31 W	0403	1.3	0.4
	0618	1.4	0.4
	1559	0.1	0.0

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0124	1.6	0.5
	1706	0.0	0.0
2 F	0225	1.7	0.5
	1815	-0.2	-0.1
3 Sa	0303	1.8	0.5
	1914	-0.3	-0.1
4 Su	0339	1.9	0.6
	0912	1.4	0.4
	1159	1.5	0.5
	2010	-0.3	-0.1
5 M	0411	1.8	0.5
	0931	1.3	0.4
	1325	1.5	0.5
	2102	-0.2	-0.1
6 Tu	0439	1.8	0.5
	0959	1.1	0.3
	1439	1.6	0.5
	2151	-0.1	0.0
7 W	0501	1.7	0.5
	1033	0.9	0.3
	1549	1.6	0.5
	2239	0.2	0.1
8 Th	0523	1.6	0.5
	1109	0.7	0.2
	1659	1.6	0.5
	2326	0.4	0.1
9 F	0541	1.5	0.5
	1148	0.5	0.2
	1811	1.6	0.5
10 Sa	0010	0.8	0.2
	0555	1.5	0.5
	1233	0.4	0.1
	1937	1.5	0.5
11 Su	0059	1.0	0.3
	0603	1.4	0.4
	1319	0.3	0.1
	2110	1.5	0.5
12 M	0158	1.3	0.4
	0603	1.4	0.4
	1415	0.2	0.1
	2313	1.6	0.5
13 Tu	1516	0.2	0.1
14 W	0103	1.7	0.5
	1627	0.2	0.1
15 Th	0205	1.7	0.5
	1737	0.2	0.1
16 F	0246	1.7	0.5
	1840	0.2	0.1
17 Sa	0315	1.7	0.5
	1931	0.3	0.1
18 Su	0340	1.7	0.5
	0925	1.3	0.4
	1227	1.4	0.4
	2013	0.3	0.1
19 M	0358	1.7	0.5
	0931	1.2	0.4
	1330	1.4	0.4
	2048	0.3	0.1
20 Tu	0420	1.6	0.5
	0949	1.2	0.4
	1427	1.4	0.4
	2124	0.4	0.1
21 W	0431	1.6	0.5
	1004	1.0	0.3
	1513	1.5	0.5
	2156	0.5	0.2
22 Th	0439	1.6	0.5
	1022	0.9	0.3
	1601	1.5	0.5
	2228	0.6	0.2
23 F	0450	1.5	0.5
	1047	0.8	0.2
	1653	1.5	0.5
	2259	0.8	0.2
24 Sa	0454	1.5	0.5
	1112	0.7	0.2
	1750	1.6	0.5
	2338	1.0	0.3
25 Su	0500	1.5	0.5
	1148	0.5	0.2
	1854	1.6	0.5
26 M	0020	1.2	0.4
	0504	1.5	0.5
	1223	0.4	0.1
	2017	1.6	0.5
27 Tu	0105	1.4	0.4
	0500	1.5	0.5
	1312	0.3	0.1
	2200	1.7	0.5
28 W	0229	1.5	0.5
	0457	1.6	0.5
	1413	0.2	0.1
	2353	1.8	0.5
29 Th	1526	0.2	0.1
30 F	0102	1.9	0.6
	1644	0.1	0.0

Time meridian 90° W. 0000 is midnight. 1200 is noon.
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Predictions are for beginning of stand.

GALVESTON (Galveston Channel), TEXAS, 1983

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0147	1.9	0.6
	1756	0.1	0.0
2 Su	0225	1.9	0.6
	0821	1.4	0.4
	1048	1.5	0.5
	1902	0.1	0.0
3 M	0251	1.9	0.6
	0830	1.3	0.4
	1238	1.6	0.5
	1955	0.2	0.1
4 Tu	0319	1.8	0.5
	0855	1.1	0.3
	1400	1.6	0.5
	2051	0.3	0.1
5 W	0339	1.7	0.5
	0927	0.9	0.3
	1511	1.7	0.5
	2140	0.5	0.2
6 Th	0359	1.7	0.5
	0959	0.7	0.2
	1617	1.8	0.5
	2227	0.8	0.2
7 F	0413	1.6	0.5
	1034	0.4	0.1
	1723	1.8	0.5
	2313	1.0	0.3
8 Sa	0424	1.6	0.5
	1113	0.3	0.1
	1835	1.8	0.5
9 Su	0005	1.2	0.4
	0432	1.5	0.5
	1153	0.2	0.1
	1948	1.8	0.5
10 M	0058	1.4	0.4
	0435	1.6	0.5
	1239	0.2	0.1
	2117	1.8	0.5
11 Tu	1328	0.2	0.1
	2251	1.7	0.5
12 W	1428	0.3	0.1
13 Th	0023	1.7	0.5
	1538	0.4	0.1
14 F	0119	1.7	0.5
	1654	0.4	0.1
15 Sa	0151	1.7	0.5
	1757	0.5	0.2
16 Su	0216	1.7	0.5
	0842	1.2	0.4
	1112	1.3	0.4
	1855	0.5	0.2
17 M	0235	1.7	0.5
	0830	1.2	0.4
	1241	1.4	0.4
	1939	0.5	0.2
18 Tu	0253	1.6	0.5
	0845	1.1	0.3
	1347	1.4	0.4
	2019	0.6	0.2
19 W	0307	1.6	0.5
	0900	0.9	0.3
	1441	1.5	0.5
	2100	0.7	0.2
20 Th	0315	1.5	0.5
	0918	0.8	0.2
	1530	1.6	0.5
	2137	0.8	0.2
21 F	0325	1.5	0.5
	0940	0.6	0.2
	1622	1.7	0.5
	2215	1.0	0.3
22 Sa	0330	1.5	0.5
	1005	0.5	0.2
	1715	1.7	0.5
	2257	1.1	0.3
23 Su	0335	1.5	0.5
	1037	0.3	0.1
	1814	1.8	0.5
	2337	1.3	0.4
24 M	0342	1.5	0.5
	1113	0.2	0.1
	1919	1.8	0.5
25 Tu	0033	1.4	0.4
	0343	1.5	0.5
	1158	0.1	0.0
	2035	1.8	0.5
26 W	1251	0.0	0.0
	2205	1.8	0.5
27 Th	1354	0.0	0.0
	2322	1.8	0.5
28 F	1503	0.1	0.0
29 Sa	0015	1.8	0.5
	1618	0.1	0.0
30 Su	0054	1.8	0.5
	1734	0.2	0.1
31 M	0126	1.8	0.5
	0729	1.1	0.3
	1140	1.4	0.4
	1841	0.3	0.1

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0148	1.7	0.5
	0751	0.9	0.3
	1318	1.5	0.5
	1942	0.5	0.2
2 W	0211	1.6	0.5
	0822	0.6	0.2
	1435	1.6	0.5
	2041	0.7	0.2
3 Th	0230	1.5	0.5
	0856	0.4	0.1
	1540	1.7	0.5
	2130	0.9	0.3
4 F	0245	1.5	0.5
	0930	0.2	0.1
	1642	1.8	0.5
	2223	1.1	0.3
5 Sa	0256	1.4	0.4
	1005	0.0	0.0
	1745	1.8	0.5
	2316	1.3	0.4
6 Su	0304	1.4	0.4
	1042	-0.1	0.0
	1848	1.8	0.5
7 M	0010	1.4	0.4
	0309	1.5	0.5
	1122	-0.1	0.0
	1950	1.7	0.5
8 Tu	1204	0.0	0.0
	2105	1.7	0.5
9 W	1251	0.1	0.0
	2217	1.6	0.5
10 Th	1346	0.2	0.1
	2327	1.6	0.5
11 F	1445	0.3	0.1
12 Sa	0013	1.5	0.5
	1554	0.4	0.1
13 Su	0042	1.5	0.5
	1701	0.4	0.1
14 M	0103	1.5	0.5
	0735	1.0	0.3
	1106	1.1	0.3
	1759	0.5	0.2
15 Tu	0118	1.4	0.4
	0734	0.8	0.2
	1245	1.1	0.3
	1855	0.6	0.2
16 W	0133	1.4	0.4
	0754	0.7	0.2
	1354	1.3	0.4
	1947	0.7	0.2
17 Th	0143	1.3	0.4
	0814	0.5	0.2
	1453	1.4	0.4
	2036	0.8	0.2
18 F	0154	1.3	0.4
	0836	0.3	0.1
	1545	1.5	0.5
	2122	0.9	0.3
19 Sa	0206	1.3	0.4
	0904	0.1	0.0
	1637	1.6	0.5
	2215	1.1	0.3
20 Su	0210	1.3	0.4
	0938	-0.1	0.0
	1729	1.7	0.5
	2301	1.2	0.4
21 M	0225	1.3	0.4
	1015	-0.2	-0.1
	1825	1.7	0.5
	2354	1.2	0.4
22 Tu	0236	1.3	0.4
	1057	-0.3	-0.1
	1931	1.7	0.5
23 W	0054	1.3	0.4
	0254	1.4	0.4
	1147	-0.4	-0.1
	2034	1.7	0.5
24 Th	1239	-0.3	-0.1
	2139	1.6	0.5
25 F	1339	-0.2	-0.1
	2230	1.6	0.5
26 Sa	1447	-0.1	0.0
	2316	1.5	0.5
27 Su	1556	0.1	0.0
	2352	1.4	0.4
28 M	0611	0.8	0.2
	1029	1.0	0.3
	1710	0.3	0.1
29 Tu	0017	1.4	0.4
	0642	0.5	0.2
	1225	1.1	0.3
	1821	0.5	0.2
30 W	0036	1.3	0.4
	0717	0.3	0.1
	1356	1.2	0.4
	1931	0.7	0.2

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0058	1.2	0.4
	0753	0.0	0.0
	1507	1.4	0.4
	2037	0.8	0.2
2 F	0114	1.2	0.4
	0828	-0.2	-0.1
	1612	1.5	0.5
	2144	1.0	0.3
3 Sa	0129	1.2	0.4
	0907	-0.3	-0.1
	1708	1.5	0.5
	2237	1.1	0.3
4 Su	0140	1.2	0.4
	0943	-0.4	-0.1
	1800	1.5	0.5
	2331	1.1	0.3
5 M	0151	1.2	0.4
	1021	-0.4	-0.1
	1852	1.5	0.5
6 Tu	1102	-0.4	-0.1
	1944	1.4	0.4
7 W	1142	-0.3	-0.1
	2036	1.4	0.4
8 Th	1227	-0.2	-0.1
	2125	1.3	0.4
9 F	1307	-0.1	0.0
	2208	1.2	0.4
10 Sa	1355	0.0	0.0
	2243	1.2	0.4
11 Su	1448	0.1	0.0
	2313	1.1	0.3
12 M	0621	0.6	0.2
	0824	0.7	0.2
	1548	0.3	0.1
	2333	1.1	0.3
13 Tu	0619	0.6	0.2
	1103	0.7	0.2
	1700	0.4	0.1
	2349	1.0	0.3
14 W	0633	0.4	0.1
	1250	0.8	0.2
	1812	0.5	0.2
15 Th	0001	1.0	0.3
	0659	0.1	0.0
	1406	1.0	0.3
	1921	0.6	0.2
16 F	0012	0.9	0.3
	0727	-0.1	0.0
	1501	1.2	0.4
	2022	0.8	0.2
17 Sa	0027	0.9	0.3
	0803	-0.3	-0.1
	1557	1.3	0.4
	2126	0.9	0.3
18 Su	0043	1.0	0.3
	0838	-0.5	-0.2
	1646	1.4	0.4
	2215	0.9	0.3
19 M	0108	1.0	0.3
	0917	-0.7	-0.2
	1738	1.5	0.5
	2305	1.0	0.3
20 Tu	0133	1.1	0.3
	1003	-0.8	-0.2
	1830	1.5	0.5
	2347	1.0	0.3
21 W	0211	1.1	0.3
	1051	-0.8	-0.2
	1919	1.4	0.4
22 Th	0033	1.0	0.3
	0300	1.1	0.3
	1141	-0.8	-0.2
	2010	1.4	0.4
23 F	0125	1.0	0.3
	0356	1.1	0.3
	1233	-0.7	-0.2
	2053	1.3	0.4
24 Sa	0228	0.9	0.3
	0505	1.0	0.3
	1329	-0.5	-0.2
	2132	1.2	0.4
25 Su	0327	0.7	0.2
	0646	0.8	0.2
	1425	-0.2	-0.1
	2207	1.1	0.3
26 M	0425	0.5	0.2
	0859	0.7	0.2
	1530	0.1	0.0
	2233	1.0	0.3
27 Tu	0514	0.2	0.1
	1112	0.7	0.2
	1646	0.3	0.1
	2255	0.9	0.3
28 W	0600	-0.1	0.0
	1307	0.9	0.3
	1810	0.6	0.2
	2320	0.9	0.3
29 Th	0645	-0.3	-0.1
	1433	1.1	0.3
	1941	0.7	0.2
	2336	0.9	0.3
30 F	0725	-0.5	-0.2
	1535	1.2	0.4
	2105	0.8	0.2
	2355	0.9	0.3
31 Sa	0808	-0.6	-0.2
	1631	1.3	0.4
	2209	0.8	0.2

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water (Gulf Coast Low Water Datum) which is the chart datum of soundings.
On days when the tide is diurnal, high water has an approximate stand of about 7 hours.
Predictions are for beginning of stand.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0942	-0.2	-0.1	16 Su	0940	0.2	0.1
	1857	2.0	0.6		1851	1.6	0.5
2 Su	1031	-0.1	0.0	17 M	1012	0.3	0.1
	1932	1.9	0.6		1859	1.6	0.5
3 M	1123	0.2	0.1	18 Tu	1045	0.4	0.1
	1953	1.7	0.5		1900	1.5	0.5
4 Tu	0149	1.3	0.4	19 W	0042	1.2	0.4
	0351	1.4	0.4		0314	1.3	0.4
	1212	0.5	0.2		1120	0.6	0.2
	2003	1.6	0.5		1904	1.5	0.5
5 W	0224	1.1	0.3	20 Th	0118	1.1	0.3
	0642	1.3	0.4		0536	1.2	0.4
	1305	0.8	0.2		1158	0.8	0.2
	2005	1.5	0.5		1903	1.4	0.4
6 Th	0305	0.8	0.2	21 F	0200	0.9	0.3
	0942	1.3	0.4		0821	1.2	0.4
	1410	1.1	0.3		1251	1.1	0.3
	2005	1.4	0.4		1858	1.4	0.4
7 F	0351	0.6	0.2	22 Sa	0240	0.6	0.2
	1214	1.4	0.4		1106	1.4	0.4
	1536	1.3	0.4		1433	1.3	0.4
	1949	1.5	0.5		1842	1.4	0.4
8 Sa	0433	0.4	0.1	23 Su	0326	0.4	0.1
	1348	1.6	0.5		1249	1.6	0.5
9 Su	0519	0.2	0.1	24 M	0419	0.2	0.1
	1451	1.8	0.5		1355	1.8	0.5
10 M	0601	0.1	0.0	25 Tu	0512	0.0	0.0
	1533	1.8	0.5		1449	2.0	0.6
11 Tu	0641	0.1	0.0	26 W	0608	-0.2	-0.1
	1618	1.9	0.6		1542	2.1	0.6
12 W	0723	0.1	0.0	27 Th	0701	-0.3	-0.1
	1700	1.8	0.5		1621	2.1	0.6
13 Th	0802	0.1	0.0	28 F	0756	-0.3	-0.1
	1739	1.8	0.5		1707	2.0	0.6
14 F	0837	0.1	0.0	29 Sa	0845	-0.2	-0.1
	1815	1.7	0.5		1736	1.9	0.6
					2216	1.6	0.5
15 Sa	0912	0.1	0.0	30 Su	0036	1.7	0.5
	1837	1.7	0.5		0932	0.0	0.0
					1757	1.7	0.5
					2238	1.5	0.5
				31 M	0212	1.6	0.5
					1023	0.2	0.1
					1813	1.6	0.5
					2313	1.3	0.4

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0351	1.5	0.5	16 W	0333	1.5	0.5
	1112	0.5	0.2		1033	0.8	0.2
	1817	1.5	0.5		1718	1.5	0.5
					2306	1.0	0.3
2 W	0005	1.0	0.3	17 Th	0457	1.4	0.4
	0535	1.4	0.4		1112	1.0	0.3
	1155	0.9	0.3		1713	1.4	0.4
	1812	1.4	0.4		2348	0.9	0.3
3 Th	0054	0.8	0.2	18 F	0644	1.4	0.4
	0745	1.4	0.4		1158	1.2	0.4
	1242	1.2	0.4		1703	1.4	0.4
	1807	1.4	0.4				
4 F	0150	0.6	0.2	19 Sa	0037	0.7	0.2
	1031	1.5	0.5		0908	1.5	0.5
	1348	1.4	0.4		1312	1.4	0.4
	1743	1.5	0.5		1633	1.5	0.5
5 Sa	0251	0.5	0.2	20 Su	0136	0.5	0.2
	1251	1.6	0.5		1124	1.7	0.5
6 Su	0348	0.3	0.1	21 M	0240	0.3	0.1
	1359	1.7	0.5		1254	1.9	0.6
7 M	0445	0.3	0.1	22 Tu	0348	0.2	0.1
	1442	1.8	0.5		1349	2.0	0.6
8 Tu	0541	0.2	0.1	23 W	0454	0.0	0.0
	1526	1.8	0.5		1439	2.1	0.6
9 W	0629	0.2	0.1	24 Th	0557	0.0	0.0
	1604	1.8	0.5		1515	2.1	0.6
10 Th	0711	0.2	0.1	25 F	0655	0.0	0.0
	1634	1.8	0.5		1550	2.0	0.6
11 F	0749	0.2	0.1	26 Sa	0748	0.1	0.0
	1658	1.7	0.5		1608	1.9	0.6
					2041	1.6	0.5
12 Sa	0825	0.3	0.1	27 Su	0036	1.8	0.5
	1709	1.7	0.5		0838	0.3	0.1
	2115	1.5	0.5		1623	1.7	0.5
					2100	1.4	0.4
13 Su	0012	1.6	0.5	28 M	0158	1.8	0.5
	0857	0.4	0.1		0928	0.5	0.2
	1717	1.6	0.5		1627	1.6	0.5
	2133	1.4	0.4		2142	1.2	0.4
14 M	0114	1.5	0.5				
	0926	0.5	0.2				
	1718	1.6	0.5				
	2155	1.3	0.4				
15 Tu	0217	1.5	0.5				
	0954	0.6	0.2				
	1719	1.5	0.5				
	2227	1.2	0.4				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0324	1.7	0.5	16 W	0323	1.7	0.5
	1017	0.8	0.2		0948	1.1	0.3
	1629	1.5	0.5		1533	1.5	0.5
	2217	0.9	0.3		2141	0.9	0.3
2 W	0449	1.7	0.5	17 Th	0434	1.7	0.5
	1106	1.1	0.3		1030	1.2	0.4
	1624	1.5	0.5		1527	1.5	0.5
	2302	0.8	0.2		2213	0.8	0.2
3 Th	0625	1.7	0.5	18 F	0553	1.8	0.5
	1152	1.3	0.4		1133	1.4	0.4
	1618	1.5	0.5		1508	1.5	0.5
	2350	0.6	0.2		2259	0.6	0.2
4 F	0819	1.7	0.5	19 Sa	0733	1.8	0.5
	1306	1.5	0.5		2351	0.5	0.2
	1538	1.6	0.5				
5 Sa	0050	0.6	0.2	20 Su	0933	1.9	0.6
	1039	1.8	0.5				
6 Su	0149	0.5	0.2	21 M	0053	0.4	0.1
	1232	1.8	0.5		1119	2.1	0.6
7 M	0300	0.5	0.2	22 Tu	0206	0.3	0.1
	1331	1.9	0.6		1232	2.1	0.6
8 Tu	0414	0.5	0.2	23 W	0322	0.3	0.1
	1412	1.9	0.6		1318	2.1	0.6
9 W	0515	0.5	0.2	24 Th	0438	0.3	0.1
	1447	1.9	0.6		1354	2.1	0.6
10 Th	0606	0.5	0.2	25 F	0545	0.3	0.1
	1513	1.8	0.5		1419	2.0	0.6
					1936	1.6	0.5
					2230	1.7	0.5
11 F	0648	0.5	0.2	26 Sa	0643	0.4	0.1
	1527	1.8	0.5		1430	1.8	0.5
	2003	1.5	0.5		1933	1.5	0.5
	2303	1.6	0.5				
12 Sa	0730	0.6	0.2	27 Su	0016	1.8	0.5
	1535	1.7	0.5		0742	0.6	0.2
	2004	1.5	0.5		1442	1.7	0.5
					1952	1.3	0.4
13 Su	0015	1.7	0.5	28 M	0144	1.8	0.5
	0804	0.7	0.2		0834	0.8	0.2
	1536	1.6	0.5		1443	1.6	0.5
	2019	1.4	0.4		2024	1.0	0.3
14 M	0118	1.7	0.5	29 Tu	0258	1.9	0.6
	0834	0.8	0.2		0927	1.1	0.3
	1533	1.6	0.5		1441	1.5	0.5
	2048	1.3	0.4		2101	0.8	0.2
15 Tu	0220	1.7	0.5	30 W	0415	1.9	0.6
	0913	0.9	0.3		1020	1.3	0.4
	1535	1.5	0.5		1433	1.5	0.5
	2106	1.1	0.3		2136	0.6	0.2
				31 Th	0528	1.9	0.6
					1121	1.5	0.5
					1420	1.6	0.5
					2219	0.5	0.2

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL						MAY						JUNE					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0654	1.9	0.6	16 Sa	0635	2.1	0.6	1 Su	0825	2.0	0.6	16 M	0806	2.2	0.7	1 W	0943	1.8	0.5
	2301	0.5	0.2		2230	0.3	0.1		2312	0.4	0.1		2314	0.0	0.0				
2 Sa	0827	1.9	0.6	17 Su	0803	2.1	0.6	2 M	0951	1.9	0.6	17 Tu	0917	2.1	0.6	2 Th	0015	0.6	0.2
	2351	0.5	0.2		2327	0.3	0.1										1005	1.7	0.5
3 Su	1020	1.9	0.6	18 M	0934	2.1	0.6	3 Tu	0008	0.5	0.2	18 W	0013	0.2	0.1	3 F	0103	0.7	0.2
									1057	1.9	0.6		1007	2.0	0.6		1009	1.6	0.5
4 M	0054	0.6	0.2	19 Tu	0027	0.3	0.1	4 W	0111	0.6	0.2	19 Th	0123	0.3	0.1	4 Sa	0204	0.9	0.3
	1145	1.9	0.6		1051	2.2	0.7		1135	1.8	0.5		1039	1.9	0.6		1010	1.6	0.5
																	1715	1.1	0.3
																	2133	1.2	0.4
5 Tu	0204	0.6	0.2	20 W	0145	0.3	0.1	5 Th	0217	0.7	0.2	20 F	0235	0.6	0.2	5 Su	0311	1.0	0.3
	1241	1.9	0.6		1147	2.1	0.6		1153	1.8	0.5		1057	1.8	0.5		1011	1.5	0.5
													1741	1.2	0.4		1713	1.0	0.3
													2052	1.3	0.4		2344	1.4	0.4
6 W	0322	0.7	0.2	21 Th	0301	0.4	0.1	6 F	0325	0.8	0.2	21 Sa	0354	0.8	0.2	6 M	0435	1.2	0.4
	1316	1.9	0.6		1223	2.0	0.6		1201	1.7	0.5		1108	1.6	0.5		1007	1.5	0.5
													1739	1.0	0.3		1731	0.7	0.2
													2326	1.5	0.5				
7 Th	0432	0.7	0.2	22 F	0416	0.5	0.2	7 Sa	0424	0.9	0.3	22 Su	0507	1.1	0.3	7 Tu	0112	1.6	0.5
	1335	1.8	0.5		1241	1.9	0.6		1202	1.6	0.5		1106	1.6	0.5		0600	1.4	0.4
					1845	1.5	0.5		1812	1.2	0.4		1757	0.8	0.2		1005	1.5	0.5
					2152	1.6	0.5		2309	1.4	0.4						1757	0.5	0.2
8 F	0527	0.8	0.2	23 Sa	0529	0.7	0.2	8 Su	0523	1.0	0.3	23 M	0107	1.6	0.5	8 W	0211	1.8	0.5
	1342	1.8	0.5		1253	1.7	0.5		1204	1.6	0.5		0629	1.3	0.4		0727	1.4	0.4
	1915	1.5	0.5		1839	1.3	0.4		1824	1.0	0.3		1103	1.5	0.5		0948	1.5	0.5
	2229	1.6	0.5		2355	1.6	0.5						1825	0.5	0.2		1828	0.3	0.1
9 Sa	0616	0.8	0.2	24 Su	0635	0.9	0.3	9 M	0032	1.5	0.5	24 Tu	0222	1.8	0.5	9 Th	0306	2.0	0.6
	1350	1.7	0.5		1257	1.6	0.5		0624	1.1	0.3		0752	1.4	0.4		1904	0.1	0.0
	1907	1.4	0.4		1857	1.0	0.3		1200	1.5	0.5		1052	1.5	0.5				
	2352	1.6	0.5						1842	0.8	0.2		1901	0.3	0.1				
10 Su	0701	0.9	0.3	25 M	0124	1.8	0.5	10 Tu	0139	1.7	0.5	25 W	0325	1.9	0.6	10 F	0402	2.1	0.6
	1348	1.6	0.5		0733	1.1	0.3		0721	1.3	0.4		1933	0.2	0.1		1947	-0.1	0.0
	1920	1.2	0.4		1255	1.6	0.5		1159	1.5	0.5								
					1922	0.8	0.2		1900	0.6	0.2								
11 M	0103	1.7	0.5	26 Tu	0239	1.9	0.6	11 W	0241	1.8	0.5	26 Th	0424	2.0	0.6	11 Sa	0502	2.2	0.7
	0740	1.0	0.3		0839	1.3	0.4		0830	1.4	0.4		2009	0.1	0.0		2034	-0.2	-0.1
	1349	1.6	0.5		1251	1.5	0.5		1153	1.5	0.5								
	1938	1.1	0.3		1954	0.5	0.2		1929	0.4	0.1								
12 Tu	0206	1.8	0.5	27 W	0349	2.0	0.6	12 Th	0340	2.0	0.6	27 F	0520	2.0	0.6	12 Su	0600	2.2	0.7
	0826	1.1	0.3		0948	1.5	0.5		2004	0.2	0.1		2047	0.1	0.0		2121	-0.2	-0.1
	1347	1.5	0.5		1237	1.6	0.5												
	2002	0.9	0.3		2030	0.4	0.1												
13 W	0305	1.8	0.5	28 Th	0454	2.0	0.6	13 F	0439	2.1	0.6	28 Sa	0612	2.0	0.6	13 M	0700	2.2	0.7
	0912	1.3	0.4		2109	0.3	0.1		2043	0.1	0.0		2126	0.2	0.1		2213	-0.1	0.0
	1345	1.5	0.5																
	2032	0.7	0.2																
14 Th	0407	1.9	0.6	29 F	0557	2.0	0.6	14 Sa	0545	2.1	0.6	29 Su	0716	2.0	0.6	14 Tu	0756	2.1	0.6
	1005	1.4	0.4		2148	0.3	0.1		2129	0.0	0.0		2205	0.2	0.1		2306	0.1	0.0
	1333	1.5	0.5																
	2104	0.5	0.2																
15 F	0516	2.0	0.6	30 Sa	0713	2.0	0.6	15 Su	0657	2.2	0.7	30 M	0816	1.9	0.6	15 W	0835	2.0	0.6
	2143	0.4	0.1		2227	0.3	0.1		2219	0.0	0.0		2247	0.3	0.1				
												31 Tu	0911	1.9	0.6				
													2332	0.4	0.1				

JUNE					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
16 Th	0002	0.3	0.1				
	0900	1.9	0.6				
17 F	0100	0.6	0.2				
	0915	1.7	0.5				
	1559	1.2	0.4				
	1924	1.3	0.4				
18 Sa	0206	0.9	0.3				
	0919	1.6	0.5				
	1611	1.0	0.3				
	2233	1.4	0.4				
19 Su	0319	1.2	0.4				
	0920	1.6	0.5				
	1643	0.7	0.2				
20 M	0039	1.6	0.5				
	0457	1.5	0.5				
	0909	1.6	0.5				
	1723	0.5	0.2				
21 Tu	0206	1.8	0.5				
	1802	0.3	0.1				
22 W	0305	2.0	0.6				
	1841	0.2	0.1				
23 Th	0357	2.1	0.6				
	1920	0.1	0.0				
24 F	0445	2.1	0.6				
	1958	0.1	0.0				
25 Sa	0533	2.1	0.6				
	2037	0.2	0.1				
26 Su	0620	2.0	0.6				
	2114	0.2	0.1				
27 M	0705	2.0	0.6				
	2151	0.3	0.1				
28 Tu	0740	1.9	0.6				
	2226	0.4	0.1				
29 W	0805	1.9	0.6				
	2301	0.6	0.2				
30 Th	0817	1.8	0.5				
	2333	0.7	0.2				

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY						AUGUST						SEPTEMBER					
Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0818	1.7	0.5	16 Sa	0039	1.1	0.3	1 M	0024	1.6	0.5	16 Tu	0007	2.3	0.7	1 Th	0024	2.6	0.8
					0731	1.8	0.5		0624	1.9	0.6		1514	1.0	0.3		1514	1.1	0.3
					1419	1.2	0.4		1405	1.2	0.4								
					2055	1.6	0.5		2236	1.9	0.6								
2 Sa	0012	0.9	0.3	17 Su	0141	1.5	0.5	2 Tu	0127	1.8	0.5	17 W	0130	2.5	0.8	2 F	0123	2.8	0.9
	0818	1.7	0.5		0725	1.8	0.5		0600	2.0	0.6		1617	1.0	0.3		1622	0.9	0.3
	1527	1.2	0.4		1508	0.9	0.3		1457	1.0	0.3								
	1844	1.3	0.4		2339	1.8	0.5												
3 Su	0051	1.1	0.3	18 M	0306	1.7	0.5	3 W	0039	2.1	0.6	18 Th	0222	2.5	0.8	3 Sa	0212	2.8	0.9
	0817	1.7	0.5		0708	1.8	0.5		1551	0.8	0.2		1716	0.9	0.3		1728	0.9	0.3
	1542	1.1	0.3		1559	0.7	0.2												
	2211	1.4	0.4																
4 M	0148	1.3	0.4	19 Tu	0132	2.0	0.6	4 Th	0142	2.3	0.7	19 F	0301	2.6	0.8	4 Su	0247	2.8	0.9
	0812	1.7	0.5		1651	0.6	0.2		1648	0.6	0.2		1813	0.9	0.3		1829	0.9	0.3
	1600	0.9	0.3																
5 Tu	0027	1.6	0.5	20 W	0231	2.2	0.7	5 F	0230	2.5	0.8	20 Sa	0340	2.5	0.8	5 M	0312	2.8	0.9
	0338	1.5	0.5		1738	0.5	0.2		1744	0.5	0.2		1901	1.0	0.3		0817	2.4	0.7
	0806	1.7	0.5														1036	2.5	0.8
	1639	0.7	0.2														1924	0.9	0.3
6 W	0130	1.9	0.6	21 Th	0323	2.3	0.7	6 Sa	0318	2.6	0.8	21 Su	0412	2.5	0.8	6 Tu	0337	2.6	0.8
	1719	0.4	0.1		1827	0.5	0.2		1838	0.4	0.1		1943	1.0	0.3		0818	2.4	0.7
																	1223	2.6	0.8
																	2017	1.1	0.3
7 Th	0229	2.1	0.6	22 F	0402	2.3	0.7	7 Su	0401	2.6	0.8	22 M	0434	2.4	0.7	7 W	0350	2.5	0.8
	1803	0.2	0.1		1910	0.5	0.2		1930	0.4	0.1		0901	2.2	0.7		0836	2.1	0.6
													1117	2.3	0.7		1350	2.6	0.8
													2015	1.1	0.3		2110	1.3	0.4
8 F	0321	2.2	0.7	23 Sa	0444	2.3	0.7	8 M	0437	2.6	0.8	23 Tu	0445	2.4	0.7	8 Th	0356	2.4	0.7
	1849	0.1	0.0		1952	0.5	0.2		2025	0.4	0.1		0855	2.2	0.7		0911	1.9	0.6
													1229	2.3	0.7		1512	2.6	0.8
													2047	1.2	0.4		2157	1.6	0.5
9 Sa	0413	2.4	0.7	24 Su	0521	2.2	0.7	9 Tu	0508	2.5	0.8	24 W	0454	2.3	0.7	9 F	0355	2.3	0.7
	1939	0.0	0.0		2030	0.5	0.2		0942	2.2	0.7		0913	2.1	0.6		0947	1.7	0.5
									1229	2.3	0.7		1328	2.3	0.7		1636	2.6	0.8
									2114	0.6	0.2		2115	1.3	0.4		2250	1.9	0.6
10 Su	0501	2.4	0.7	25 M	0551	2.2	0.7	10 W	0527	2.3	0.7	25 Th	0451	2.3	0.7	10 Sa	0350	2.3	0.7
	2027	0.0	0.0		2104	0.6	0.2		1000	2.1	0.6		0941	2.0	0.6		1036	1.5	0.5
									1406	2.3	0.7		1429	2.3	0.7		1806	2.6	0.8
									2159	0.9	0.3		2148	1.5	0.5		2342	2.2	0.7
11 M	0553	2.4	0.7	26 Tu	0616	2.1	0.6	11 Th	0538	2.2	0.7	26 F	0445	2.2	0.7	11 Su	0337	2.3	0.7
	2120	0.0	0.0		2137	0.7	0.2		1039	1.9	0.6		1003	1.9	0.6		1118	1.3	0.4
									1542	2.2	0.7		1535	2.2	0.7		1949	2.6	0.8
									2251	1.2	0.4		2216	1.6	0.5				
12 Tu	0632	2.3	0.7	27 W	0625	2.1	0.6	12 F	0542	2.1	0.6	27 Sa	0441	2.2	0.7	12 M	1212	1.3	0.4
	2208	0.2	0.1		2206	0.9	0.3		1125	1.6	0.5		1042	1.8	0.5		2155	2.6	0.8
									1719	2.1	0.6		1648	2.2	0.7				
									2338	1.5	0.5		2252	1.8	0.5				
13 W	0701	2.1	0.6	28 Th	0636	2.0	0.6	13 Sa	0542	2.1	0.6	28 Su	0442	2.2	0.7	13 Tu	1319	1.3	0.4
	2300	0.5	0.2		1115	1.8	0.5		1214	1.4	0.4		1118	1.6	0.5		2345	2.7	0.8
					1410	1.9	0.6		1917	2.1	0.6		1821	2.3	0.7				
					2231	1.0	0.3						2336	2.0	0.6				
14 Th	0719	2.0	0.6	29 F	0633	2.0	0.6	14 Su	0033	1.9	0.6	29 M	0425	2.2	0.7	14 W	1425	1.3	0.4
	1248	1.6	0.5		1151	1.7	0.5		0528	2.1	0.6		1200	1.5	0.5				
	1548	1.7	0.5		1536	1.8	0.5		1309	1.2	0.4		2024	2.3	0.7				
	2345	0.8	0.2		2306	1.2	0.4		2151	2.2	0.7								
15 F	0727	1.9	0.6	30 Sa	0630	1.9	0.6	15 M	0145	2.1	0.6	30 Tu	0042	2.2	0.7	15 Th	0054	2.7	0.8
	1327	1.4	0.4		1227	1.6	0.5		0459	2.2	0.7		0402	2.3	0.7		1543	1.3	0.4
	1812	1.6	0.5		1727	1.8	0.5		1411	1.1	0.3		1259	1.3	0.4				
					2342	1.4	0.4						2248	2.5	0.8				
				31 Su	0629	1.9	0.6					31 W	1400	1.2	0.4				
					1313	1.4	0.4												
					1945	1.8	0.5												

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

TAMPICO HARBOR (Madero), MEXICO, 1983

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0045	2.9	0.9	16 Su	0107	2.5	0.8
	1558	1.1	0.3		1712	1.5	0.5
2 Su	0120	2.8	0.9	17 M	0119	2.4	0.7
	1711	1.2	0.4		0706	2.1	0.6
					1036	2.2	0.7
					1806	1.6	0.5
3 M	0145	2.7	0.8	18 Tu	0123	2.3	0.7
	0719	2.3	0.7		0657	2.0	0.6
	1002	2.4	0.7		1208	2.2	0.7
	1816	1.3	0.4		1848	1.7	0.5
4 Tu	0200	2.6	0.8	19 W	0120	2.3	0.7
	0714	2.2	0.7		0712	1.8	0.5
	1159	2.5	0.8		1314	2.3	0.7
	1915	1.4	0.4		1930	1.8	0.5
5 W	0207	2.4	0.7	20 Th	0116	2.2	0.7
	0729	1.9	0.6		0727	1.7	0.5
	1330	2.6	0.8		1413	2.4	0.7
	2011	1.7	0.5		2009	1.9	0.6
6 Th	0208	2.3	0.7	21 F	0114	2.2	0.7
	0801	1.7	0.5		0749	1.5	0.5
	1447	2.7	0.8		1505	2.5	0.8
	2110	1.9	0.6		2106	2.0	0.6
7 F	0205	2.3	0.7	22 Sa	0108	2.2	0.7
	0833	1.4	0.4		0815	1.3	0.4
	1603	2.7	0.8		1604	2.5	0.8
	2210	2.1	0.6		2157	2.1	0.6
8 Sa	0157	2.3	0.7	23 Su	0055	2.2	0.7
	0915	1.2	0.4		0846	1.1	0.3
	1718	2.8	0.9		1706	2.6	0.8
	2318	2.3	0.7				
9 Su	0132	2.4	0.7	24 M	0921	1.0	0.3
	0955	1.1	0.3		1812	2.7	0.8
	1838	2.8	0.9				
10 M	1041	1.1	0.3	25 Tu	1005	0.9	0.3
	2004	2.8	0.9		1928	2.7	0.8
11 Tu	1130	1.1	0.3	26 W	1056	0.9	0.3
	2143	2.7	0.8		2054	2.7	0.8
12 W	1230	1.2	0.4	27 Th	1156	0.9	0.3
	2303	2.7	0.8		2217	2.7	0.8
13 Th	1340	1.3	0.4	28 F	1303	0.9	0.3
					2306	2.7	0.8
14 F	0007	2.7	0.8	29 Sa	1417	1.0	0.3
	1456	1.4	0.4		2345	2.6	0.8
15 Sa	0043	2.6	0.8	30 Su	1533	1.1	0.3
	1609	1.4	0.4				
				31 M	0007	2.4	0.7
					0632	2.0	0.6
					0915	2.1	0.6
					1655	1.3	0.4

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0018	2.3	0.7	16 W	0607	1.4	0.4
	0613	1.8	0.5		1243	1.9	0.6
	1131	2.1	0.6		1807	1.6	0.5
	1801	1.5	0.5		2326	1.9	0.6
2 W	0023	2.2	0.7	17 Th	0625	1.2	0.4
	0630	1.5	0.5		1346	2.0	0.6
	1309	2.3	0.7		1906	1.7	0.5
	1911	1.7	0.5		2322	1.9	0.6
3 Th	0021	2.1	0.6	18 F	0647	1.0	0.3
	0700	1.2	0.4		1445	2.2	0.7
	1426	2.4	0.7		2024	1.8	0.5
	2019	1.9	0.6		2313	1.9	0.6
4 F	0011	2.1	0.6	19 Sa	0715	0.8	0.2
	0734	1.0	0.3		1537	2.3	0.7
	1536	2.5	0.8				
	2139	2.0	0.6				
5 Sa	0000	2.1	0.6	20 Su	0751	0.6	0.2
	0813	0.8	0.2		1633	2.4	0.7
	1641	2.6	0.8				
6 Su	0848	0.7	0.2	21 M	0826	0.5	0.2
	1747	2.6	0.8		1732	2.4	0.7
7 M	0931	0.6	0.2	22 Tu	0908	0.4	0.1
	1853	2.6	0.8		1833	2.5	0.8
8 Tu	1013	0.7	0.2	23 W	0952	0.3	0.1
	2009	2.5	0.8		1943	2.5	0.8
9 W	1059	0.8	0.2	24 Th	1045	0.3	0.1
	2118	2.4	0.7		2042	2.4	0.7
10 Th	1154	0.9	0.3	25 F	1143	0.4	0.1
	2218	2.4	0.7		2133	2.3	0.7
11 F	1247	1.0	0.3	26 Sa	1245	0.6	0.2
	2257	2.3	0.7		2204	2.2	0.7
12 Sa	1353	1.1	0.3	27 Su	1348	0.8	0.2
	2322	2.2	0.7		2222	2.0	0.6
13 Su	1503	1.3	0.4	28 M	0521	1.5	0.5
	2330	2.1	0.6		0751	1.6	0.5
					1507	1.1	0.3
					2230	1.9	0.6
14 M	0639	1.6	0.5	29 Tu	0512	1.3	0.4
	0851	1.7	0.5		1054	1.7	0.5
	1601	1.4	0.4		1630	1.3	0.4
	2331	2.0	0.6		2232	1.8	0.5
15 Tu	0606	1.6	0.5	30 W	0530	1.0	0.3
	1121	1.8	0.5		1243	1.8	0.5
	1707	1.5	0.5		1757	1.6	0.5
	2329	1.9	0.6		2222	1.8	0.5

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0602	0.7	0.2	16 F	0540	0.6	0.2
	1406	2.0	0.6		1417	1.8	0.5
	1935	1.7	0.5				
	2211	1.8	0.5				
2 F	0638	0.5	0.2	17 Sa	0612	0.4	0.1
	1515	2.2	0.7		1507	1.9	0.6
3 Sa	0713	0.3	0.1	18 Su	0651	0.2	0.1
	1618	2.3	0.7		1555	2.1	0.6
4 Su	0752	0.2	0.1	19 M	0730	0.0	0.0
	1706	2.3	0.7		1648	2.2	0.7
5 M	0833	0.2	0.1	20 Tu	0815	-0.1	0.0
	1802	2.2	0.7		1736	2.2	0.7
6 Tu	0913	0.2	0.1	21 W	0901	-0.1	0.0
	1858	2.2	0.7		1833	2.2	0.7
7 W	0955	0.3	0.1	22 Th	0950	-0.1	0.0
	1954	2.1	0.6		1919	2.1	0.6
8 Th	1037	0.4	0.1	23 F	1042	0.0	0.0
	2044	2.0	0.6		2001	2.0	0.6
9 F	1123	0.5	0.2	24 Sa	1135	0.2	0.1
	2112	1.9	0.6		2027	1.8	0.5
10 Sa	1205	0.7	0.2	25 Su	1225	0.5	0.2
	2134	1.8	0.5		2041	1.7	0.5
11 Su	1247	0.8	0.2	26 M	0312	1.2	0.4
	2135	1.7	0.5		0633	1.3	0.4
					1326	0.8	0.2
					2045	1.6	0.5
12 M	1333	1.0	0.3	27 Tu	0337	0.9	0.3
	2139	1.7	0.5		0949	1.3	0.4
					1441	1.1	0.3
					2039	1.5	0.5
13 Tu	0452	1.2	0.4	28 W	0413	0.6	0.2
	0933	1.3	0.4		1212	1.5	0.5
	1431	1.2	0.4		1626	1.4	0.4
	2137	1.6	0.5		2029	1.5	0.5
14 W	0457	1.0	0.3	29 Th	0452	0.4	0.1
	1200	1.4	0.4		1345	1.7	0.5
	1557	1.3	0.4				
	2132	1.6	0.5				
15 Th	0515	0.8	0.2	30 F	0534	0.2	0.1
	1319	1.6	0.5		1451	1.9	0.6
	1739	1.5	0.5				
	2124	1.6	0.5				
				31 Sa	0617	0.0	0.0
					1544	2.0	0.6

Time meridian 90° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	1348	1.4	0.4	16	1345	1.0	0.3
Sa	2154	-0.4	-0.1	Su	2240	-0.2	-0.1
2	0437	0.4	0.1	17	1428	0.9	0.3
Su	0730	0.3	0.1	M	2255	-0.2	-0.1
	1443	1.3	0.4				
	2235	-0.4	-0.1				
3	0519	0.5	0.2	18	1507	0.8	0.2
M	0913	0.3	0.1	Tu	2307	-0.1	0.0
	1543	1.2	0.4				
	2312	-0.4	-0.1				
4	0601	0.7	0.2	19	0629	0.5	0.2
Tu	1048	0.3	0.1	W	1019	0.4	0.1
	1638	1.0	0.3		1553	0.7	0.2
	2348	-0.4	-0.1		2319	-0.1	0.0
5	0643	0.9	0.3	20	0627	0.7	0.2
W	1218	0.3	0.1	Th	1156	0.4	0.1
	1737	0.8	0.2		1641	0.6	0.2
					2331	-0.1	0.0
6	0023	-0.3	-0.1	21	0642	0.8	0.2
Th	0725	1.0	0.3	F	1311	0.2	0.1
	1343	0.2	0.1		1733	0.4	0.1
	1839	0.6	0.2		2345	-0.1	0.0
7	0051	-0.2	-0.1	22	0707	1.0	0.3
F	0804	1.1	0.3	Sa	1414	0.1	0.0
	1500	0.1	0.0		1825	0.3	0.1
	1942	0.4	0.1				
8	0120	-0.1	0.0	23	0004	-0.1	0.0
Sa	0842	1.2	0.4	Su	0742	1.1	0.3
	1612	0.0	0.0		1513	0.0	0.0
	2047	0.3	0.1		1925	0.2	0.1
9	0142	0.0	0.0	24	0032	-0.1	0.0
Su	0921	1.2	0.4	M	0818	1.3	0.4
	1721	-0.1	0.0		1612	-0.1	0.0
	2207	0.2	0.1		2025	0.1	0.0
10	0153	0.0	0.0	25	0104	-0.2	-0.1
M	1001	1.2	0.4	Tu	0903	1.4	0.4
	1827	-0.1	0.0		1706	-0.2	-0.1
					2133	0.0	0.0
11	1039	1.2	0.4	26	0143	-0.1	0.0
Tu	1926	-0.2	-0.1	W	0950	1.4	0.4
					1803	-0.3	-0.1
					2252	0.0	0.0
12	1115	1.2	0.4	27	0228	-0.1	0.0
W	2021	-0.2	-0.1	Th	1042	1.4	0.4
					1857	-0.3	-0.1
13	1153	1.2	0.4	28	0010	0.0	0.0
Th	2109	-0.2	-0.1	F	0324	-0.1	0.0
					1135	1.4	0.4
					1947	-0.3	-0.1
14	1232	1.1	0.3	29	0133	0.1	0.0
F	2146	-0.2	-0.1	Sa	0436	0.0	0.0
					1233	1.3	0.4
					2033	-0.4	-0.1
15	1307	1.1	0.3	30	0248	0.3	0.1
Sa	2218	-0.2	-0.1	Su	0612	0.1	0.0
					1332	1.2	0.4
					2116	-0.4	-0.1
				31	0346	0.4	0.1
				M	0755	0.2	0.1
					1431	1.0	0.3
					2157	-0.3	-0.1

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0436	0.6	0.2	16	0451	0.4	0.1
Tu	0937	0.2	0.1	W	0929	0.3	0.1
	1537	0.9	0.3		1511	0.6	0.2
	2233	-0.3	-0.1		2208	0.0	0.0
2	0522	0.8	0.2	17	0503	0.6	0.2
W	1109	0.1	0.0	Th	1102	0.2	0.1
	1639	0.7	0.2		1601	0.4	0.1
	2312	-0.3	-0.1		2219	0.0	0.0
3	0604	0.9	0.3	18	0521	0.7	0.2
Th	1229	0.1	0.0	F	1207	0.1	0.0
	1742	0.5	0.2		1703	0.3	0.1
	2345	-0.2	-0.1		2238	0.0	0.0
4	0646	1.0	0.3	19	0550	0.9	0.3
F	1339	0.0	0.0	Sa	1303	0.0	0.0
	1846	0.4	0.1		1753	0.3	0.1
					2259	-0.1	0.0
5	0016	-0.1	0.0	20	0625	1.1	0.3
Sa	0726	1.1	0.3	Su	1355	-0.1	0.0
	1441	-0.1	0.0		1846	0.2	0.1
	1946	0.3	0.1		2332	-0.1	0.0
6	0045	-0.1	0.0	21	0704	1.2	0.4
Su	0805	1.1	0.3	M	1444	-0.2	-0.1
	1540	-0.1	0.0		1936	0.1	0.0
	2047	0.2	0.1				
7	0109	0.0	0.0	22	0010	-0.1	0.0
M	0844	1.2	0.4	Tu	0749	1.3	0.4
	1639	-0.2	-0.1		1533	-0.2	-0.1
	2142	0.1	0.0		2027	0.1	0.0
8	0124	0.0	0.0	23	0055	-0.2	-0.1
Tu	0923	1.1	0.3	W	0836	1.3	0.4
	1734	-0.2	-0.1		1624	-0.3	-0.1
	2256	0.1	0.0		2123	0.1	0.0
9	0135	0.0	0.0	24	0144	-0.1	0.0
W	1000	1.1	0.3	Th	0925	1.3	0.4
	1833	-0.2	-0.1		1713	-0.3	-0.1
					2227	0.1	0.0
10	1039	1.1	0.3	25	0237	-0.1	0.0
Th	1930	-0.2	-0.1	F	1020	1.2	0.4
					1805	-0.3	-0.1
					2338	0.2	0.1
11	1117	1.0	0.3	26	0349	0.0	0.0
F	2015	-0.2	-0.1	Sa	1114	1.1	0.3
					1854	-0.3	-0.1
12	1157	0.9	0.3	27	0047	0.3	0.1
Sa	2058	-0.1	0.0	Su	0515	0.0	0.0
					1218	1.0	0.3
					1941	-0.2	-0.1
13	1239	0.9	0.3	28	0156	0.4	0.1
Su	2127	-0.1	0.0	M	0653	0.1	0.0
					1324	0.8	0.2
					2027	-0.2	-0.1
14	1324	0.8	0.2				
M	2145	-0.1	0.0				
15	1412	0.7	0.2				
Tu	2157	-0.1	0.0				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0254	0.6	0.2	16	0236	0.5	0.2
Tu	0833	0.1	0.0	W	0851	0.1	0.0
	1433	0.7	0.2		1435	0.4	0.1
	2109	-0.2	-0.1		2023	0.1	0.0
2	0347	0.7	0.2	17	0308	0.6	0.2
W	1003	0.0	0.0	Th	1007	0.0	0.0
	1545	0.5	0.2		1543	0.3	0.1
	2151	-0.1	0.0		2041	0.1	0.0
3	0436	0.9	0.3	18	0340	0.8	0.2
Th	1118	-0.1	0.0	F	1106	-0.1	0.0
	1654	0.4	0.1		1642	0.3	0.1
	2229	-0.1	0.0		2106	0.1	0.0
4	0519	1.0	0.3	19	0418	0.9	0.3
F	1221	-0.2	-0.1	Sa	1155	-0.2	-0.1
	1800	0.4	0.1		1739	0.2	0.1
	2305	0.0	0.0		2139	0.1	0.0
5	0602	1.0	0.3	20	0500	1.0	0.3
Sa	1316	-0.2	-0.1	Su	1241	-0.3	-0.1
	1857	0.3	0.1		1824	0.2	0.1
	2343	0.0	0.0		2221	0.0	0.0
6	0644	1.0	0.3	21	0544	1.1	0.3
Su	1409	-0.2	-0.1	M	1323	-0.3	-0.1
	1950	0.3	0.1		1903	0.2	0.1
					2309	0.0	0.0
7	0015	0.0	0.0	22	0630	1.2	0.4
M	0723	1.0	0.3	Tu	1410	-0.3	-0.1
	1454	-0.2	-0.1		1943	0.2	0.1
	2036	0.2	0.1				
8	0047	0.0	0.0	23	0001	-0.1	0.0
Tu	0802	1.0	0.3	W	0718	1.2	0.4
	1543	-0.2	-0.1		1454	-0.3	-0.1
	2118	0.2	0.1		2029	0.2	0.1
9	0112	0.0	0.0	24	0053	-0.1	0.0
W	0840	1.0	0.3	Th	0807	1.2	0.4
	1627	-0.2	-0.1		1536	-0.3	-0.1
	2203	0.2	0.1		2117	0.3	0.1
10	0139	0.1	0.0	25	0156	0.0	0.0
Th	0918	0.9	0.3	F	0859	1.1	0.3
	1717	-0.1	0.0		1621	-0.3	-0.1
	2249	0.1	0.0		2213	0.3	0.1
11	0206	0.0	0.0	26	0308	0.0	0.0
F	0957	0.9	0.3	Sa	0956	0.9	0.3
	1803	-0.1	0.0		1706	-0.2	-0.1
	2348	0.2	0.1		2312	0.4	0.1
12	0235	0.1	0.0	27	0429	0.0	0.0
Sa	1038	0.8	0.2	Su	1100	0.8	0.2
	1845	-0.1	0.0		1750	-0.2	-0.1
13	0043	0.2	0.1	28	0010	0.6	0.2
Su	0330	0.1	0.0	M	0604	0.0	0.0
	1122	0.7	0.2		1209	0.6	0.2
	1921	0.0	0.0		1835	-0.1	0.0
14	0132	0.3	0.1	29	0109	0.7	0.2
M	0503	0.2	0.1	Tu	0742	0.0	0.0
	1219	0.6	0.2		1333	0.5	0.2
	1946	0.0	0.0		1920	0.0	0.0
15	0207	0.3	0.1	30	0205	0.8	0.2
Tu	0704	0.2	0.1	W	0905	-0.1	0.0
	1318	0.5	0.2		1501	0.4	0.1
	2004	0.1	0.0		2006	0.0	0.0
				31	0255	0.9	0.3
				Th	1018	-0.2	-0.1
					1618	0.3	0.1
					2051	0.1	0.0

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

CRISTOBAL (Colon), PANAMA, 1983

Times and Heights of High and Low Waters

APRIL

Day	Time (h m)	Height (ft)	Height (m)
1 F	0345	1.0	0.3
	1113	-0.3	-0.1
	1725	0.3	0.1
	2137	0.1	0.0
2 Sa	0431	1.0	0.3
	1205	-0.3	-0.1
	1818	0.3	0.1
	2219	0.1	0.0
3 Su	0510	1.0	0.3
	1247	-0.3	-0.1
	1906	0.3	0.1
	2301	0.1	0.0
4 M	0551	1.0	0.3
	1329	-0.3	-0.1
	1945	0.3	0.1
	2336	0.1	0.0
5 Tu	0632	1.0	0.3
	1408	-0.3	-0.1
	2024	0.3	0.1
6 W	0015	0.1	0.0
	0711	0.9	0.3
	1443	-0.2	-0.1
	2056	0.3	0.1
7 Th	0053	0.1	0.0
	0746	0.9	0.3
	1518	-0.2	-0.1
	2127	0.3	0.1
8 F	0139	0.2	0.1
	0822	0.8	0.2
	1554	-0.1	0.0
	2203	0.3	0.1
9 Sa	0225	0.2	0.1
	0907	0.7	0.2
	1622	-0.1	0.0
	2242	0.4	0.1
10 Su	0331	0.2	0.1
	0949	0.6	0.2
	1648	0.0	0.0
	2317	0.4	0.1
11 M	0455	0.2	0.1
	1048	0.5	0.2
	1711	0.1	0.0
	2354	0.5	0.2
12 Tu	0633	0.1	0.0
	1157	0.3	0.1
	1729	0.1	0.0
13 W	0031	0.6	0.2
	0804	0.0	0.0
	1337	0.2	0.1
	1747	0.1	0.0
14 Th	0113	0.8	0.2
	0913	-0.1	0.0
	1524	0.2	0.1
	1806	0.1	0.0
15 F	0158	0.9	0.3
	1009	-0.2	-0.1
16 Sa	0245	1.0	0.3
	1054	-0.3	-0.1
	1734	0.2	0.1
	1943	0.1	0.0
17 Su	0333	1.1	0.3
	1136	-0.4	-0.1
	1806	0.2	0.1
	2049	0.1	0.0
18 M	0420	1.2	0.4
	1215	-0.4	-0.1
	1837	0.2	0.1
	2151	0.1	0.0
19 Tu	0511	1.2	0.4
	1256	-0.5	-0.2
	1909	0.3	0.1
	2257	0.1	0.0
20 W	0600	1.2	0.4
	1335	-0.4	-0.1
	1948	0.3	0.1
21 Th	0006	0.1	0.0
	0649	1.1	0.3
	1414	-0.4	-0.1
	2027	0.4	0.1
22 F	0112	0.1	0.0
	0742	1.0	0.3
	1453	-0.3	-0.1
	2115	0.5	0.2
23 Sa	0229	0.1	0.0
	0837	0.8	0.2
	1528	-0.3	-0.1
	2203	0.7	0.2
24 Su	0353	0.1	0.0
	0939	0.6	0.2
	1605	-0.2	-0.1
	2250	0.8	0.2
25 M	0521	0.0	0.0
	1051	0.4	0.1
	1640	-0.1	0.0
	2342	0.9	0.3
26 Tu	0655	-0.1	0.0
	1224	0.3	0.1
	1715	0.0	0.0
27 W	0031	0.9	0.3
	0818	-0.2	-0.1
	1412	0.2	0.1
	1751	0.1	0.0
28 Th	0121	1.0	0.3
	0923	-0.3	-0.1
	1600	0.2	0.1
	1829	0.1	0.0
29 F	0207	1.0	0.3
	1016	-0.4	-0.1
30 Sa	0253	1.0	0.3
	1101	-0.4	-0.1

MAY

Day	Time (h m)	Height (ft)	Height (m)
1 Su	0339	1.0	0.3
	1140	-0.4	-0.1
	1900	0.3	0.1
	2109	0.2	0.1
2 M	0420	1.0	0.3
	1218	-0.4	-0.1
	1918	0.3	0.1
	2158	0.2	0.1
3 Tu	0459	1.0	0.3
	1254	-0.4	-0.1
	1943	0.4	0.1
	2257	0.3	0.1
4 W	0537	0.9	0.3
	1319	-0.3	-0.1
	2012	0.4	0.1
	2343	0.3	0.1
5 Th	0613	0.9	0.3
	1347	-0.3	-0.1
	2037	0.4	0.1
6 F	0039	0.3	0.1
	0650	0.8	0.2
	1413	-0.2	-0.1
	2059	0.5	0.2
7 Sa	0140	0.3	0.1
	0729	0.7	0.2
	1435	-0.1	0.0
	2130	0.6	0.2
8 Su	0249	0.2	0.1
	0811	0.5	0.2
	1455	-0.1	0.0
	2155	0.6	0.2
9 M	0415	0.2	0.1
	0900	0.4	0.1
	1509	0.0	0.0
	2227	0.7	0.2
10 Tu	0541	0.1	0.0
	1009	0.2	0.1
	1520	0.0	0.0
	2303	0.9	0.3
11 W	0707	0.0	0.0
	1152	0.1	0.0
	1525	0.0	0.0
	2341	1.0	0.3
12 Th	0815	-0.2	-0.1
13 F	0027	1.1	0.3
	0905	-0.3	-0.1
14 Sa	0116	1.2	0.4
	0950	-0.4	-0.1
15 Su	0207	1.2	0.4
	1032	-0.5	-0.2
16 M	0258	1.3	0.4
	1111	-0.5	-0.2
	1807	0.2	0.1
	2007	0.1	0.0
17 Tu	0351	1.3	0.4
	1149	-0.5	-0.2
	1835	0.3	0.1
	2140	0.2	0.1
18 W	0442	1.2	0.4
	1225	-0.5	-0.2
	1904	0.4	0.1
	2305	0.2	0.1
19 Th	0534	1.1	0.3
	1300	-0.5	-0.2
	1943	0.6	0.2
20 F	0021	0.2	0.1
	0627	0.9	0.3
	1336	-0.4	-0.1
	2021	0.7	0.2
21 Sa	0143	0.2	0.1
	0719	0.8	0.2
	1408	-0.3	-0.1
	2103	0.8	0.2
22 Su	0309	0.1	0.0
	0821	0.5	0.2
	1440	-0.2	-0.1
	2149	1.0	0.3
23 M	0441	0.0	0.0
	0928	0.3	0.1
	1506	-0.1	0.0
	2231	1.0	0.3
24 Tu	0607	-0.1	0.0
	1100	0.2	0.1
	1530	0.0	0.0
	2313	1.1	0.3
25 W	0724	-0.2	-0.1
	1305	0.1	0.0
	1539	0.0	0.0
26 Th	0000	1.1	0.3
	0829	-0.3	-0.1
27 F	0042	1.1	0.3
	0922	-0.4	-0.1
28 Sa	0125	1.1	0.3
	1007	-0.4	-0.1
29 Su	0210	1.1	0.3
	1046	-0.4	-0.1
30 M	0251	1.1	0.3
	1121	-0.4	-0.1
31 Tu	0330	1.0	0.3
	1150	-0.4	-0.1

JUNE

Day	Time (h m)	Height (ft)	Height (m)
1 W	0408	1.0	0.3
	1216	-0.3	-0.1
	1948	0.4	0.1
	2204	0.3	0.1
2 Th	0444	0.9	0.3
	1238	-0.3	-0.1
	2000	0.5	0.2
	2321	0.4	0.1
3 F	0522	0.8	0.2
	1259	-0.3	-0.1
	2011	0.6	0.2
4 Sa	0036	0.4	0.1
	0556	0.7	0.2
	1314	-0.2	-0.1
	2030	0.7	0.2
5 Su	0157	0.3	0.1
	0636	0.5	0.2
	1330	-0.2	-0.1
	2048	0.8	0.2
6 M	0317	0.2	0.1
	0725	0.4	0.1
	1344	-0.1	0.0
	2117	0.9	0.3
7 Tu	0436	0.1	0.0
	0821	0.2	0.1
	1357	-0.1	0.0
	2148	1.0	0.3
8 W	0552	0.0	0.0
	0940	0.1	0.0
	1411	-0.1	0.0
	2224	1.1	0.3
9 Th	0658	-0.1	0.0
	1127	0.0	0.0
	1412	-0.1	0.0
	2307	1.2	0.4
10 F	0754	-0.3	-0.1
	2355	1.3	0.4
11 Sa	0839	-0.4	-0.1
12 Su	0045	1.4	0.4
	0924	-0.5	-0.2
13 M	0138	1.4	0.4
	1003	-0.5	-0.2
14 Tu	0232	1.3	0.4
	1042	-0.5	-0.2
	1737	0.3	0.1
	2011	0.2	0.1
15 W	0326	1.2	0.4
	1118	-0.5	-0.2
	1807	0.4	0.1
	2151	0.3	0.1
16 Th	0423	1.1	0.3
	1154	-0.5	-0.2
	1845	0.6	0.2
	2323	0.3	0.1
17 F	0513	0.9	0.3
	1229	-0.5	-0.2
	1924	0.8	0.2
18 Sa	0051	0.2	0.1
	0612	0.7	0.2
	1301	-0.4	-0.1
	2003	0.9	0.3
19 Su	0215	0.1	0.0
	0711	0.5	0.2
	1329	-0.3	-0.1
	2045	1.1	0.3
20 M	0341	0.0	0.0
	0819	0.3	0.1
	1356	-0.2	-0.1
	2125	1.2	0.4
21 Tu	0500	-0.1	0.0
	0935	0.2	0.1
	1419	-0.1	0.0
	2208	1.2	0.4
22 W	0613	-0.2	-0.1
	1114	0.1	0.0
	1428	0.0	0.0
	2247	1.2	0.4
23 Th	0721	-0.3	-0.1
	2329	1.2	0.4
24 F	0821	-0.3	-0.1
25 Sa	0012	1.2	0.4
	0909	-0.3	-0.1
26 Su	0051	1.1	0.3
	0951	-0.4	-0.1
27 M	0130	1.1	0.3
	1027	-0.3	-0.1
28 Tu	0210	1.0	0.3
	1055	-0.3	-0.1
29 W	0247	1.0	0.3
	1119	-0.3	-0.1
30 Th	0322	0.9	0.3
	1141	-0.3	-0.1
	1933	0.5	0.2
	2143	0.4	0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

CRISTOBAL (Colon), PANAMA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0401	0.8	0.2
	1156	-0.2	-0.1
	1921	0.6	0.2
	2326	0.4	0.1
2 Sa	0436	0.7	0.2
	1207	-0.2	-0.1
	1925	0.7	0.2
3 Su	0053	0.4	0.1
	0525	0.5	0.2
	1221	-0.2	-0.1
	1944	0.8	0.2
4 M	0206	0.3	0.1
	0611	0.4	0.1
	1236	-0.1	0.0
	2005	1.0	0.3
5 Tu	0319	0.1	0.0
	0704	0.3	0.1
	1250	-0.1	0.0
	2037	1.1	0.3
6 W	0424	0.0	0.0
	0805	0.1	0.0
	1310	-0.1	0.0
	2113	1.2	0.4
7 Th	0527	-0.1	0.0
	0919	0.0	0.0
	1332	-0.1	0.0
	2154	1.3	0.4
8 F	0622	-0.2	-0.1
	1042	0.0	0.0
	1400	-0.1	0.0
	2239	1.4	0.4
9 Sa	0718	-0.3	-0.1
	1222	0.0	0.0
	1435	-0.1	0.0
	2330	1.4	0.4
10 Su	0800	-0.4	-0.1
11 M	0022	1.4	0.4
	0846	-0.4	-0.1
12 Tu	0118	1.4	0.4
	0927	-0.4	-0.1
	1607	0.2	0.1
	1840	0.1	0.0
13 W	0213	1.3	0.4
	1008	-0.4	-0.1
	1649	0.4	0.1
	2031	0.3	0.1
14 Th	0312	1.1	0.3
	1043	-0.4	-0.1
	1731	0.6	0.2
	2213	0.3	0.1
15 F	0412	0.9	0.3
	1119	-0.4	-0.1
	1813	0.8	0.2
	2348	0.2	0.1
16 Sa	0510	0.8	0.2
	1153	-0.3	-0.1
	1854	1.0	0.3
17 Su	0111	0.1	0.0
	0613	0.6	0.2
	1225	-0.3	-0.1
	1933	1.1	0.3
18 M	0229	0.0	0.0
	0719	0.4	0.1
	1257	-0.2	-0.1
	2015	1.2	0.4
19 Tu	0336	-0.1	0.0
	0825	0.3	0.1
	1322	-0.1	0.0
	2057	1.3	0.4
20 W	0445	-0.1	0.0
	0939	0.2	0.1
	1345	0.0	0.0
	2137	1.3	0.4
21 Th	0553	-0.2	-0.1
	1103	0.1	0.0
	1359	0.0	0.0
	2219	1.2	0.4
22 F	0653	-0.2	-0.1
	2301	1.2	0.4
23 Sa	0747	-0.2	-0.1
	2341	1.2	0.4
24 Su	0844	-0.2	-0.1
25 M	0019	1.1	0.3
	0926	-0.2	-0.1
26 Tu	0056	1.0	0.3
	0958	-0.2	-0.1
27 W	0136	1.0	0.3
	1024	-0.2	-0.1
28 Th	0218	0.9	0.3
	1041	-0.1	0.0
29 F	0301	0.8	0.2
	1057	-0.1	0.0
	1813	0.5	0.2
	2219	0.4	0.1
30 Sa	0343	0.7	0.2
	1103	-0.1	0.0
	1817	0.7	0.2
	2349	0.3	0.1
31 Su	0436	0.5	0.2
	1117	-0.1	0.0
	1828	0.8	0.2

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0058	0.2	0.1
	0525	0.4	0.1
	1129	0.0	0.0
	1851	1.0	0.3
2 Tu	0201	0.1	0.0
	0612	0.3	0.1
	1147	-0.1	0.0
	1922	1.1	0.3
3 W	0256	0.0	0.0
	0712	0.2	0.1
	1212	-0.1	0.0
	1958	1.2	0.4
4 Th	0349	-0.1	0.0
	0804	0.1	0.0
	1241	-0.1	0.0
	2038	1.3	0.4
5 F	0441	-0.1	0.0
	0904	0.1	0.0
	1320	-0.1	0.0
	2123	1.4	0.4
6 Sa	0533	-0.2	-0.1
	1010	0.1	0.0
	1405	-0.1	0.0
	2213	1.4	0.4
7 Su	0623	-0.2	-0.1
	1123	0.1	0.0
	1457	0.0	0.0
	2304	1.4	0.4
8 M	0714	-0.2	-0.1
	1242	0.2	0.1
	1606	0.0	0.0
9 Tu	0000	1.3	0.4
	0758	-0.3	-0.1
	1402	0.3	0.1
	1736	0.1	0.0
10 W	0059	1.2	0.4
	0842	-0.3	-0.1
	1501	0.4	0.1
	1921	0.2	0.1
11 Th	0203	1.1	0.3
	0923	-0.2	-0.1
	1556	0.6	0.2
	2106	0.2	0.1
12 F	0310	0.9	0.3
	1003	-0.2	-0.1
	1644	0.8	0.2
	2237	0.1	0.0
13 Sa	0416	0.7	0.2
	1042	-0.2	-0.1
	1730	1.0	0.3
	2359	0.1	0.0
14 Su	0523	0.6	0.2
	1117	-0.1	0.0
	1816	1.1	0.3
15 M	0109	0.0	0.0
	0629	0.5	0.2
	1153	-0.1	0.0
	1858	1.2	0.4
16 Tu	0211	-0.1	0.0
	0729	0.4	0.1
	1225	0.0	0.0
	1941	1.2	0.4
17 W	0310	-0.1	0.0
	0829	0.3	0.1
	1257	0.0	0.0
	2023	1.3	0.4
18 Th	0406	-0.1	0.0
	0927	0.2	0.1
	1325	0.1	0.0
	2105	1.2	0.4
19 F	0501	-0.1	0.0
	1029	0.2	0.1
	1347	0.1	0.0
	2147	1.2	0.4
20 Sa	0600	-0.1	0.0
	1141	0.2	0.1
	1358	0.1	0.0
	2226	1.1	0.3
21 Su	0656	-0.1	0.0
	2304	1.1	0.3
22 M	0746	0.0	0.0
	2346	1.0	0.3
23 Tu	0827	0.0	0.0
24 W	0029	0.9	0.3
	0903	0.0	0.0
25 Th	0118	0.8	0.2
	0926	0.1	0.0
	1627	0.4	0.1
	1938	0.3	0.1
26 F	0206	0.7	0.2
	0937	0.1	0.0
	1631	0.5	0.2
	2133	0.4	0.1
27 Sa	0309	0.6	0.2
	0951	0.1	0.0
	1639	0.7	0.2
	2255	0.3	0.1
28 Su	0411	0.5	0.2
	0959	0.1	0.0
	1701	0.8	0.2
	2358	0.2	0.1
29 M	0500	0.4	0.1
	1015	0.1	0.0
	1729	1.0	0.3
30 Tu	0046	0.1	0.0
	0553	0.4	0.1
	1037	0.1	0.0
	1801	1.1	0.3
31 W	0132	0.0	0.0
	0636	0.3	0.1
	1109	0.1	0.0
	1839	1.2	0.4

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0220	-0.1	0.0
	0720	0.3	0.1
	1145	0.0	0.0
	1920	1.3	0.4
2 F	0303	-0.1	0.0
	0804	0.2	0.1
	1229	0.0	0.0
	2006	1.4	0.4
3 Sa	0348	-0.1	0.0
	0853	0.3	0.1
	1318	0.0	0.0
	2054	1.4	0.4
4 Su	0434	-0.1	0.0
	0948	0.3	0.1
	1417	0.0	0.0
	2147	1.3	0.4
5 M	0525	-0.1	0.0
	1053	0.3	0.1
	1522	0.1	0.0
	2242	1.2	0.4
6 Tu	0611	-0.1	0.0
	1159	0.5	0.2
	1648	0.1	0.0
	2345	1.1	0.3
7 W	0659	-0.1	0.0
	1309	0.6	0.2
	1822	0.2	0.1
8 Th	0052	0.9	0.3
	0743	0.0	0.0
	1408	0.7	0.2
	2003	0.2	0.1
9 F	0206	0.8	0.2
	0829	0.0	0.0
	1506	0.9	0.3
	2133	0.1	0.0
10 Sa	0323	0.7	0.2
	0914	0.1	0.0
	1556	1.0	0.3
	2251	0.0	0.0
11 Su	0438	0.6	0.2
	0959	0.1	0.0
	1645	1.1	0.3
	2354	-0.1	0.0
12 M	0547	0.5	0.2
	1041	0.1	0.0
	1731	1.2	0.4
13 Tu	0050	-0.2	-0.1
	0643	0.5	0.2
	1124	0.2	0.1
	1816	1.2	0.4
14 W	0142	-0.2	-0.1
	0736	0.4	0.1
	1159	0.2	0.1
	1859	1.2	0.4
15 Th	0232	-0.2	-0.1
	0822	0.4	0.1
	1234	0.2	0.1
	1942	1.2	0.4
16 F	0316	-0.1	0.0
	0912	0.4	0.1
	1309	0.2	0.1
	2023	1.1	0.3
17 Sa	0402	0.0	0.0
	0954	0.4	0.1
	1342	0.2	0.1
	2101	1.1	0.3
18 Su	0446	0.0	0.0
	1039	0.4	0.1
	1417	0.3	0.1
	2143	1.0	0.3
19 M	0529	0.1	0.0
	1124	0.4	0.1
	1459	0.3	0.1
	2222	0.9	0.3
20 Tu	0611	0.1	0.0
	1217	0.4	0.1
	1558	0.3	0.1
	2312	0.8	0.2
21 W	0647	0.2	0.1
	1306	0.5	0.2
	1730	0.4	0.1
22 Th	0006	0.7	0.2
	0713	0.2	0.1
	1339	0.6	0.2
	1919	0.4	0.1
23 F	0115	0.6	0.2
	0734	0.3	0.1
	1412	0.7	0.2
	2055	0.3	0.1
24 Sa	0239	0.5	0.2
	0753	0.3	0.1
	1444	0.8	0.2
	2208	0.2	0.1
25 Su	0357	0.5	0.2
	0809	0.3	0.1
	1516	0.9	0.3
	2300	0.1	0.0
26 M	0503	0.4	0.1
	0830	0.3	0.1
	1552	1.0	0.3
	2342	0.0	0.0
27 Tu	0542	0.4	0.1
	0903	0.3	0.1
	1631	1.2	0.4
28 W	0024	-0.1	0.0
	0621	0.4	0.1
	0947	0.3	0.1
	1713	1.3	0.4
29 Th	0103	-0.1	0.0
	0655	0.4	0.1
	1036	0.2	0.1
	1759	1.3	0.4
30 F	0142	-0.2	-0.1
	0727	0.4	0.1
	1128	0.2	0.1
	1845	1.3	0.4

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

CRISTOBAL (Colon), PANAMA, 1983

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0224	-0.2	-0.1
	0809	0.4	0.1
	1227	0.2	0.1
	1933	1.3	0.4
2 Su	0302	-0.1	0.0
	0851	0.5	0.2
	1330	0.2	0.1
	2025	1.2	0.4
3 M	0342	-0.1	0.0
	0939	0.6	0.2
	1441	0.2	0.1
	2121	1.1	0.3
4 Tu	0425	0.0	0.0
	1035	0.7	0.2
	1602	0.2	0.1
	2223	0.9	0.3
5 W	0504	0.0	0.0
	1131	0.8	0.2
	1736	0.2	0.1
	2333	0.8	0.2
6 Th	0548	0.1	0.0
	1230	0.9	0.3
	1911	0.1	0.0
7 F	0059	0.6	0.2
	0631	0.2	0.1
	1325	1.1	0.3
	2042	0.0	0.0
8 Sa	0231	0.5	0.2
	0719	0.2	0.1
	1418	1.2	0.4
	2148	-0.1	0.0
9 Su	0354	0.5	0.2
	0811	0.3	0.1
	1510	1.2	0.4
	2247	-0.2	-0.1
10 M	0509	0.5	0.2
	0903	0.3	0.1
	1559	1.3	0.4
	2339	-0.2	-0.1
11 Tu	0605	0.5	0.2
	0953	0.3	0.1
	1646	1.3	0.4
12 W	0024	-0.2	-0.1
	0655	0.5	0.2
	1041	0.4	0.1
	1731	1.2	0.4
13 Th	0109	-0.2	-0.1
	0735	0.5	0.2
	1126	0.4	0.1
	1813	1.2	0.4
14 F	0148	-0.2	-0.1
	0814	0.5	0.2
	1211	0.4	0.1
	1851	1.1	0.3
15 Sa	0223	-0.1	0.0
	0846	0.5	0.2
	1257	0.4	0.1
	1930	1.0	0.3
16 Su	0256	0.0	0.0
	0921	0.6	0.2
	1339	0.4	0.1
	2009	1.0	0.3
17 M	0331	0.1	0.0
	0957	0.6	0.2
	1436	0.4	0.1
	2048	0.8	0.2
18 Tu	0357	0.1	0.0
	1032	0.6	0.2
	1542	0.4	0.1
	2134	0.7	0.2
19 W	0421	0.2	0.1
	1104	0.7	0.2
	1709	0.4	0.1
	2228	0.6	0.2
20 Th	0440	0.3	0.1
	1138	0.8	0.2
	1845	0.3	0.1
	2351	0.5	0.2
21 F	0449	0.3	0.1
	1217	0.9	0.3
	2015	0.2	0.1
22 Sa	0154	0.4	0.1
	0450	0.3	0.1
	1252	1.0	0.3
	2114	0.1	0.0
23 Su	1332	1.1	0.3
	2203	0.0	0.0
24 M	1417	1.2	0.4
	2245	-0.1	0.0
25 Tu	1502	1.3	0.4
	2321	-0.2	-0.1
26 W	1549	1.3	0.4
	2359	-0.2	-0.1
27 Th	0635	0.4	0.1
	0904	0.3	0.1
	1638	1.4	0.4
28 F	0031	-0.3	-0.1
	0700	0.5	0.2
	1020	0.3	0.1
	1727	1.4	0.4
29 Sa	0107	-0.2	-0.1
	0728	0.5	0.2
	1129	0.3	0.1
	1815	1.3	0.4
30 Su	0143	-0.2	-0.1
	0807	0.6	0.2
	1242	0.3	0.1
	1908	1.2	0.4
31 M	0218	-0.2	-0.1
	0846	0.8	0.2
	1358	0.3	0.1
	2001	1.0	0.3

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0251	-0.1	0.0
	0931	0.9	0.3
	1522	0.3	0.1
	2102	0.8	0.2
2 W	0326	0.0	0.0
	1020	1.0	0.3
	1656	0.2	0.1
	2211	0.6	0.2
3 Th	0400	0.1	0.0
	1108	1.1	0.3
	1825	0.1	0.0
	2342	0.5	0.2
4 F	0433	0.2	0.1
	1157	1.2	0.4
	1948	0.0	0.0
5 Sa	0127	0.4	0.1
	0504	0.3	0.1
	1246	1.3	0.4
	2053	-0.1	0.0
6 Su	0326	0.4	0.1
	0542	0.3	0.1
	1339	1.3	0.4
	2149	-0.2	-0.1
7 M	1426	1.3	0.4
	2238	-0.3	-0.1
8 Tu	1514	1.3	0.4
	2320	-0.3	-0.1
9 W	0636	0.5	0.2
	0839	0.4	0.1
	1559	1.3	0.4
	2359	-0.3	-0.1
10 Th	0712	0.5	0.2
	0948	0.4	0.1
	1641	1.2	0.4
11 F	0034	-0.2	-0.1
	0737	0.6	0.2
	1047	0.5	0.2
	1720	1.1	0.3
12 Sa	0105	-0.2	-0.1
	0802	0.6	0.2
	1143	0.5	0.2
	1759	1.0	0.3
13 Su	0130	-0.1	0.0
	0831	0.7	0.2
	1242	0.5	0.2
	1835	0.9	0.3
14 M	0159	0.0	0.0
	0856	0.7	0.2
	1345	0.5	0.2
	1910	0.8	0.2
15 Tu	0217	0.0	0.0
	0921	0.8	0.2
	1503	0.4	0.1
	1955	0.7	0.2
16 W	0236	0.1	0.0
	0949	0.9	0.3
	1622	0.4	0.1
	2043	0.5	0.2
17 Th	0245	0.1	0.0
	1017	1.0	0.3
	1748	0.3	0.1
	2142	0.4	0.1
18 F	0254	0.2	0.1
	1050	1.1	0.3
	1911	0.2	0.1
	2342	0.3	0.1
19 Sa	0238	0.2	0.1
	1125	1.2	0.4
	2010	0.0	0.0
20 Su	1204	1.3	0.4
	2102	-0.1	0.0
21 M	1249	1.3	0.4
	2140	-0.2	-0.1
22 Tu	1336	1.4	0.4
	2219	-0.3	-0.1
23 W	1427	1.4	0.4
	2254	-0.3	-0.1
24 Th	1520	1.4	0.4
	2329	-0.3	-0.1
25 F	0626	0.4	0.1
	0842	0.3	0.1
	1609	1.4	0.4
26 Sa	0001	-0.3	-0.1
	0648	0.6	0.2
	1018	0.4	0.1
	1701	1.3	0.4
27 Su	0033	-0.3	-0.1
	0719	0.7	0.2
	1148	0.4	0.1
	1753	1.1	0.3
28 M	0105	-0.3	-0.1
	0755	0.9	0.3
	1312	0.4	0.1
	1845	0.9	0.3
29 Tu	0137	-0.2	-0.1
	0833	1.0	0.3
	1439	0.3	0.1
	1945	0.7	0.2
30 W	0207	-0.1	0.0
	0919	1.2	0.4
	1605	0.2	0.1
	2054	0.5	0.2

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0235	0.0	0.0
	1001	1.3	0.4
	1731	0.1	0.0
	2216	0.3	0.1
2 F	0258	0.1	0.0
	1044	1.3	0.4
	1853	-0.1	0.0
3 Sa	0003	0.2	0.1
	0317	0.1	0.0
	1130	1.4	0.4
	1956	-0.2	-0.1
4 Su	1216	1.4	0.4
	2052	-0.3	-0.1
5 M	1302	1.4	0.4
	2143	-0.3	-0.1
6 Tu	1351	1.3	0.4
	2226	-0.3	-0.1
7 W	1433	1.3	0.4
	2301	-0.3	-0.1
8 Th	1517	1.2	0.4
	2333	-0.3	-0.1
9 F	1553	1.1	0.3
10 Sa	0002	-0.2	-0.1
	0742	0.6	0.2
	1005	0.5	0.2
	1631	1.0	0.3
11 Su	0024	-0.2	-0.1
	0747	0.6	0.2
	1123	0.5	0.2
	1707	0.9	0.3
12 M	0043	-0.1	0.0
	0802	0.7	0.2
	1240	0.5	0.2
	1748	0.8	0.2
13 Tu	0101	-0.1	0.0
	0820	0.8	0.2
	1402	0.4	0.1
	1827	0.6	0.2
14 W	0117	0.0	0.0
	0842	0.9	0.3
	1518	0.4	0.1
	1915	0.5	0.2
15 Th	0128	0.0	0.0
	0907	1.0	0.3
	1637	0.2	0.1
	2008	0.3	0.1
16 F	0139	0.0	0.0
	0935	1.1	0.3
	1749	0.1	0.0
	2120	0.2	0.1
17 Sa	0147	0.1	0.0
	1008	1.2	0.4
	1851	0.0	0.0
	2303	0.1	0.0
18 Su	0142	0.0	0.0
	1047	1.3	0.4
	1941	-0.1	0.0
19 M	1132	1.4	0.4
	2029	-0.2	-0.1
20 Tu	1219	1.4	0.4
	2108	-0.3	-0.1
21 W	1310	1.4	0.4
	2146	-0.4	-0.1
22 Th	1402	1.4	0.4
	2222	-0.4	-0.1
23 F	1455	1.3	0.4
	2254	-0.4	-0.1
24 Sa	0547	0.5	0.2
	0904	0.4	0.1
	1551	1.2	0.4
	2327	-0.4	-0.1
25 Su	0619	0.7	0.2
	1046	0.4	0.1
	1642	1.0	0.3
	2359	-0.3	-0.1
26 M	0654	0.8	0.2
	1217	0.3	0.1
	1741	0.8	0.2
27 Tu	0031	-0.3	-0.1
	0733	1.0	0.3
	1345	0.2	0.1
	1841	0.6	0.2
28 W	0100	-0.2	-0.1
	0815	1.2	0.4
	1504	0.1	0.0
	1947	0.4	0.1
29 Th	0131	-0.1	0.0
	0857	1.3	0.4
	1627	0.0	0.0
	2102	0.3	0.1
30 F	0156	-0.1	0.0
	0939	1.4	0.4
	1736	-0.1	0.0
	2229	0.2	0.1
31 Sa	0215	0.0	0.0
	1023	1.4	0.4
	1842	-0.2	-0.1

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

SAN JUAN, PUERTO RICO, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time (h m)	Height ft	Height m
1 Sa	0327	-0.8	-0.2
	1048	1.8	0.5
	1727	0.0	0.0
	2213	0.7	0.2
2 Su	0423	-0.7	-0.2
	1136	1.7	0.5
	1818	0.0	0.0
	2320	0.7	0.2
3 M	0522	-0.5	-0.2
	1226	1.6	0.5
	1903	-0.1	0.0
4 Tu	0033	0.7	0.2
	0624	-0.3	-0.1
	1315	1.4	0.4
	1952	-0.2	-0.1
5 W	0147	0.8	0.2
	0733	-0.1	0.0
	1401	1.2	0.4
	2041	-0.3	-0.1
6 Th	0300	0.9	0.3
	0850	0.0	0.0
	1448	1.0	0.3
	2129	-0.4	-0.1
7 F	0412	1.0	0.3
	1015	0.1	0.0
	1534	0.8	0.2
	2215	-0.4	-0.1
8 Sa	0521	1.2	0.4
	1134	0.2	0.1
	1626	0.7	0.2
	2257	-0.5	-0.2
9 Su	0617	1.2	0.4
	1248	0.2	0.1
	1715	0.6	0.2
	2343	-0.5	-0.2
10 M	0712	1.3	0.4
	1349	0.2	0.1
	1803	0.5	0.2
11 Tu	0025	-0.5	-0.2
	0757	1.3	0.4
	1448	0.2	0.1
	1845	0.4	0.1
12 W	0105	-0.5	-0.2
	0839	1.4	0.4
	1530	0.2	0.1
	1926	0.4	0.1
13 Th	0143	-0.5	-0.2
	0917	1.3	0.4
	1608	0.2	0.1
	2007	0.4	0.1
14 F	0219	-0.5	-0.2
	0953	1.3	0.4
	1640	0.2	0.1
	2044	0.4	0.1
15 Sa	0257	-0.5	-0.2
	1027	1.3	0.4
	1712	0.1	0.0
	2123	0.4	0.1
16 Su	0333	-0.4	-0.1
	1100	1.2	0.4
	1741	0.1	0.0
	2205	0.4	0.1
17 M	0411	-0.4	-0.1
	1128	1.2	0.4
	1809	0.1	0.0
	2253	0.5	0.2
18 Tu	0453	-0.3	-0.1
	1200	1.1	0.3
	1834	0.0	0.0
	2349	0.5	0.2
19 W	0540	-0.2	-0.1
	1228	1.0	0.3
	1903	-0.1	0.0
20 Th	0047	0.6	0.2
	0636	-0.1	0.0
	1300	0.9	0.3
	1935	-0.2	-0.1
21 F	0154	0.7	0.2
	0740	0.0	0.0
	1332	0.8	0.2
	2010	-0.3	-0.1
22 Sa	0259	0.9	0.3
	0854	0.1	0.0
	1410	0.7	0.2
	2054	-0.5	-0.2
23 Su	0405	1.0	0.3
	1017	0.2	0.1
	1456	0.6	0.2
	2140	-0.6	-0.2
24 M	0511	1.2	0.4
	1134	0.2	0.1
	1551	0.5	0.2
	2236	-0.7	-0.2
25 Tu	0610	1.3	0.4
	1244	0.2	0.1
	1651	0.5	0.2
	2333	-0.8	-0.2
26 W	0709	1.5	0.5
	1344	0.1	0.0
	1757	0.5	0.2
27 Th	0029	-0.9	-0.3
	0801	1.6	0.5
	1437	0.0	0.0
	1900	0.5	0.2
28 F	0128	-0.9	-0.3
	0851	1.6	0.5
	1524	0.0	0.0
	2003	0.6	0.2
29 Sa	0224	-0.9	-0.3
	0940	1.6	0.5
	1611	-0.1	0.0
	2107	0.6	0.2
30 Su	0322	-0.8	-0.2
	1026	1.5	0.5
	1656	-0.2	-0.1
	2209	0.7	0.2
31 M	0419	-0.7	-0.2
	1112	1.4	0.4
	1739	-0.3	-0.1
	2313	0.8	0.2

FEBRUARY

Day	Time (h m)	Height ft	Height m
1 Tu	0517	-0.5	-0.2
	1156	1.2	0.4
	1822	-0.4	-0.1
2 W	0019	0.8	0.2
	0619	-0.4	-0.1
	1241	1.0	0.3
	1908	-0.4	-0.1
3 Th	0127	0.9	0.3
	0726	-0.2	-0.1
	1323	0.9	0.3
	1954	-0.5	-0.2
4 F	0237	0.9	0.3
	0837	0.0	0.0
	1409	0.7	0.2
	2041	-0.5	-0.2
5 Sa	0343	1.0	0.3
	0958	0.1	0.0
	1454	0.6	0.2
	2127	-0.5	-0.2
6 Su	0451	1.0	0.3
	1115	0.1	0.0
	1547	0.4	0.1
	2219	-0.5	-0.2
7 M	0550	1.1	0.3
	1224	0.1	0.0
	1639	0.4	0.1
	2309	-0.5	-0.2
8 Tu	0644	1.1	0.3
	1329	0.1	0.0
	1734	0.4	0.1
	2358	-0.5	-0.2
9 W	0731	1.1	0.3
	1415	0.1	0.0
	1822	0.4	0.1
10 Th	0043	-0.5	-0.2
	0813	1.2	0.4
	1457	0.1	0.0
	1912	0.4	0.1
11 F	0125	-0.5	-0.2
	0851	1.2	0.4
	1529	0.1	0.0
	1951	0.4	0.1
12 Sa	0206	-0.5	-0.2
	0924	1.1	0.3
	1558	0.0	0.0
	2030	0.4	0.1
13 Su	0242	-0.5	-0.2
	0956	1.1	0.3
	1623	0.0	0.0
	2112	0.5	0.2
14 M	0321	-0.5	-0.2
	1025	1.1	0.3
	1645	0.0	0.0
	2155	0.5	0.2
15 Tu	0403	-0.4	-0.1
	1052	1.0	0.3
	1708	-0.1	0.0
	2241	0.6	0.2
16 W	0448	-0.3	-0.1
	1117	0.9	0.3
	1733	-0.2	-0.1
	2330	0.7	0.2
17 Th	0533	-0.2	-0.1
	1142	0.8	0.2
	1801	-0.3	-0.1
18 F	0026	0.8	0.2
	0629	-0.1	0.0
	1215	0.7	0.2
	1836	-0.4	-0.1
19 Sa	0125	0.9	0.3
	0734	0.0	0.0
	1249	0.6	0.2
	1919	-0.5	-0.2
20 Su	0230	1.0	0.3
	0846	0.1	0.0
	1328	0.5	0.2
	2009	-0.6	-0.2
21 M	0340	1.1	0.3
	1003	0.2	0.1
	1423	0.5	0.2
	2109	-0.7	-0.2
22 Tu	0448	1.2	0.4
	1121	0.2	0.1
	1529	0.4	0.1
	2212	-0.7	-0.2
23 W	0551	1.3	0.4
	1227	0.1	0.0
	1640	0.5	0.2
	2318	-0.8	-0.2
24 Th	0649	1.4	0.4
	1321	0.0	0.0
	1752	0.5	0.2
25 F	0023	-0.8	-0.2
	0741	1.4	0.4
	1408	-0.1	0.0
	1900	0.6	0.2
26 Sa	0122	-0.8	-0.2
	0831	1.4	0.4
	1453	-0.2	-0.1
	2007	0.7	0.2
27 Su	0222	-0.8	-0.2
	0916	1.3	0.4
	1535	-0.3	-0.1
	2107	0.8	0.2
28 M	0320	-0.7	-0.2
	1000	1.2	0.4
	1614	-0.4	-0.1
	2206	0.9	0.3

MARCH

Day	Time (h m)	Height ft	Height m
1 Tu	0416	-0.5	-0.2
	1042	1.1	0.3
	1656	-0.4	-0.1
	2305	1.0	0.3
2 W	0515	-0.4	-0.1
	1121	1.0	0.3
	1734	-0.5	-0.2
3 Th	0003	1.0	0.3
	0612	-0.2	-0.1
	1202	0.8	0.2
	1816	-0.5	-0.2
4 F	0102	1.1	0.3
	0716	-0.1	0.0
	1244	0.7	0.2
	1902	-0.5	-0.2
5 Sa	0202	1.1	0.3
	0824	0.0	0.0
	1326	0.5	0.2
	1948	-0.5	-0.2
6 Su	0304	1.0	0.3
	0936	0.1	0.0
	1415	0.5	0.2
	2042	-0.4	-0.1
7 M	0407	1.0	0.3
	1046	0.1	0.0
	1511	0.4	0.1
	2135	-0.4	-0.1
8 Tu	0508	1.0	0.3
	1154	0.1	0.0
	1610	0.4	0.1
	2233	-0.4	-0.1
9 W	0603	1.1	0.3
	1249	0.1	0.0
	1712	0.4	0.1
	2328	-0.4	-0.1
10 Th	0653	1.1	0.3
	1333	0.1	0.0
	1805	0.4	0.1
11 F	0020	-0.4	-0.1
	0735	1.1	0.3
	1408	0.1	0.0
	1855	0.5	0.2
12 Sa	0105	-0.4	-0.1
	0812	1.1	0.3
	1436	0.0	0.0
	1937	0.6	0.2
13 Su	0151	-0.4	-0.1
	0846	1.0	0.3
	1502	0.0	0.0
	2020	0.6	0.2
14 M	0233	-0.4	-0.1
	0915	1.0	0.3
	1523	-0.1	0.0
	2102	0.7	0.2
15 Tu	0315	-0.3	-0.1
	0941	0.9	0.3
	1547	-0.1	0.0
	2145	0.9	0.3
16 W	0357	-0.3	-0.1
	1009	0.8	0.2
	1609	-0.2	-0.1
	2229	1.0	0.3
17 Th	0447	-0.2	-0.1
	1034	0.7	0.2
	1637	-0.3	-0.1
	2315	1.1	0.3
18 F	0536	-0.1	0.0
	1103	0.6	0.2
	1710	-0.4	-0.1
19 Sa	0007	1.1	0.3
	0633	0.0	0.0
	1135	0.6	0.2
	1752	-0.5	-0.2
20 Su	0106	1.2	0.4
	0733	0.1	0.0
	1213	0.5	0.2
	1841	-0.5	-0.2
21 M	0210	1.2	0.4
	0843	0.2	0.1
	1306	0.5	0.2
	1938	-0.6	-0.2
22 Tu	0317	1.3	0.4
	0957	0.2	0.1
	1409	0.5	0.2
	2045	-0.6	-0.2
23 W	0423	1.3	0.4
	1105	0.2	0.1
	1529	0.5	0.2
	2157	-0.6	-0.2
24 Th	0527	1.3	0.4
	1201	0.1	0.0
	1647	0.6	0.2
	2309	-0.6	-0.2
25 F	0624	1.3	0.4
	1253	0.0	0.0
	1804	0.7	0.2
26 Sa	0021	-0.6	-0.2
	0715	1.3	0.4
	1336	-0.1	0.0
	1910	0.9	0.3
27 Su	0124	-0.5	-0.2
	0803	1.2	0.4
	1417	-0.2	-0.1
	2010	1.0	0.3
28 M	0223	-0.5	-0.2
	0845	1.1	0.3
	1456	-0.3	-0.1
	2107	1.1	0.3
29 Tu	0322	-0.4	-0.1
	0924	1.0	0.3
	1532	-0.4	-0.1
	2200	1.2	0.4
30 W	0419	-0.3	-0.1
	1003	0.9	0.3
	1610	-0.5	-0.2
	2250	1.3	0.4
31 Th	0512	-0.2	-0.1
	1044	0.8	0.2
	1649	-0.5	-0.2
	2342	1.3	0.4

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m
1 F	0609	0.0	0.0
	1120	0.6	0.2
	1727	-0.4	-0.1
2 Sa	0033	1.3	0.4
	0705	0.1	0.0
	1202	0.6	0.2
	1811	-0.4	-0.1
3 Su	0126	1.2	0.4
	0805	0.1	0.0
	1244	0.5	0.2
	1857	-0.3	-0.1
4 M	0222	1.2	0.4
	0908	0.2	0.1
	1337	0.4	0.1
	1948	-0.3	-0.1
5 Tu	0319	1.1	0.3
	1014	0.2	0.1
	1440	0.4	0.1
	2048	-0.2	-0.1
6 W	0419	1.1	0.3
	1113	0.2	0.1
	1545	0.4	0.1
	2153	-0.2	-0.1
7 Th	0515	1.1	0.3
	1158	0.1	0.0
	1651	0.5	0.2
	2252	-0.2	-0.1
8 F	0601	1.1	0.3
	1237	0.1	0.0
	1748	0.6	0.2
	2351	-0.2	-0.1
9 Sa	0644	1.0	0.3
	1309	0.1	0.0
	1837	0.7	0.2
10 Su	0043	-0.2	-0.1
	0722	1.0	0.3
	1334	0.0	0.0
	1924	0.8	0.2
11 M	0133	-0.2	-0.1
	0754	1.0	0.3
	1402	-0.1	0.0
	2008	1.0	0.3
12 Tu	0222	-0.2	-0.1
	0823	0.9	0.3
	1427	-0.2	-0.1
	2049	1.1	0.3
13 W	0311	-0.1	0.0
	0852	0.8	0.2
	1451	-0.3	-0.1
	2131	1.2	0.4
14 Th	0357	-0.1	0.0
	0923	0.7	0.2
	1521	-0.4	-0.1
	2216	1.4	0.4
15 F	0448	0.0	0.0
	0950	0.6	0.2
	1553	-0.4	-0.1
	2303	1.4	0.4
16 Sa	0539	0.1	0.0
	1027	0.6	0.2
	1635	-0.5	-0.2
	2354	1.5	0.5
17 Su	0636	0.1	0.0
	1106	0.6	0.2
	1721	-0.5	-0.2
18 M	0050	1.5	0.5
	0736	0.2	0.1
	1155	0.5	0.2
	1817	-0.5	-0.2
19 Tu	0150	1.5	0.5
	0839	0.2	0.1
	1300	0.5	0.2
	1919	-0.5	-0.2
20 W	0254	1.4	0.4
	0945	0.2	0.1
	1420	0.5	0.2
	2033	-0.4	-0.1
21 Th	0357	1.4	0.4
	1044	0.1	0.0
	1543	0.6	0.2
	2151	-0.3	-0.1
22 F	0457	1.3	0.4
	1136	0.0	0.0
	1701	0.8	0.2
	2307	-0.3	-0.1
23 Sa	0553	1.2	0.4
	1218	-0.1	0.0
	1813	0.9	0.3
24 Su	0021	-0.2	-0.1
	0642	1.1	0.3
	1259	-0.2	-0.1
	1915	1.1	0.3
25 M	0127	-0.2	-0.1
	0727	1.0	0.3
	1339	-0.3	-0.1
	2011	1.3	0.4
26 Tu	0230	-0.1	0.0
	0809	0.9	0.3
	1416	-0.4	-0.1
	2100	1.4	0.4
27 W	0327	-0.1	0.0
	0848	0.8	0.2
	1453	-0.5	-0.2
	2149	1.5	0.5
28 Th	0420	0.0	0.0
	0927	0.7	0.2
	1529	-0.5	-0.2
	2234	1.5	0.5
29 F	0513	0.1	0.0
	1005	0.6	0.2
	1607	-0.4	-0.1
	2320	1.5	0.5
30 Sa	0603	0.1	0.0
	1042	0.6	0.2
	1643	-0.4	-0.1

MAY

Day	Time h m	Height ft	Height m
1 Su	0005	1.4	0.4
	0654	0.2	0.1
	1119	0.5	0.2
	1725	-0.3	-0.1
2 M	0049	1.3	0.4
	0744	0.2	0.1
	1205	0.5	0.2
	1810	-0.2	-0.1
3 Tu	0139	1.3	0.4
	0839	0.2	0.1
	1300	0.5	0.2
	1859	-0.1	0.0
4 W	0230	1.2	0.4
	0931	0.2	0.1
	1404	0.5	0.2
	1958	-0.1	0.0
5 Th	0323	1.1	0.3
	1020	0.2	0.1
	1517	0.5	0.2
	2101	0.0	0.0
6 F	0413	1.1	0.3
	1102	0.1	0.0
	1624	0.6	0.2
	2209	0.0	0.0
7 Sa	0459	1.0	0.3
	1137	0.1	0.0
	1724	0.7	0.2
	2316	0.0	0.0
8 Su	0541	1.0	0.3
	1206	0.0	0.0
	1817	0.9	0.3
9 M	0019	0.1	0.0
	0620	0.9	0.3
	1234	-0.1	0.0
	1903	1.1	0.3
10 Tu	0115	0.1	0.0
	0655	0.8	0.2
	1303	-0.2	-0.1
	1949	1.2	0.4
11 W	0210	0.1	0.0
	0727	0.8	0.2
	1331	-0.3	-0.1
	2031	1.4	0.4
12 Th	0301	0.1	0.0
	0802	0.7	0.2
	1407	-0.4	-0.1
	2116	1.6	0.5
13 F	0351	0.1	0.0
	0837	0.6	0.2
	1442	-0.5	-0.2
	2202	1.6	0.5
14 Sa	0447	0.1	0.0
	0916	0.6	0.2
	1525	-0.6	-0.2
	2251	1.7	0.5
15 Su	0537	0.1	0.0
	0959	0.6	0.2
	1611	-0.6	-0.2
	2343	1.7	0.5
16 M	0629	0.2	0.1
	1050	0.6	0.2
	1704	-0.6	-0.2
17 Tu	0036	1.7	0.5
	0729	0.1	0.0
	1156	0.6	0.2
	1805	-0.5	-0.2
18 W	0133	1.6	0.5
	0826	0.1	0.0
	1308	0.6	0.2
	1911	-0.4	-0.1
19 Th	0229	1.5	0.5
	0919	0.0	0.0
	1430	0.7	0.2
	2027	-0.2	-0.1
20 F	0329	1.4	0.4
	1011	-0.1	0.0
	1553	0.8	0.2
	2149	-0.1	0.0
21 Sa	0425	1.2	0.4
	1057	-0.2	-0.1
	1712	1.0	0.3
	2308	0.0	0.0
22 Su	0515	1.1	0.3
	1142	-0.3	-0.1
	1815	1.2	0.4
23 M	0024	0.0	0.0
	0604	1.0	0.3
	1224	-0.4	-0.1
	1914	1.4	0.4
24 Tu	0131	0.1	0.0
	0648	0.8	0.2
	1301	-0.4	-0.1
	2006	1.5	0.5
25 W	0234	0.1	0.0
	0730	0.7	0.2
	1340	-0.5	-0.2
	2054	1.6	0.5
26 Th	0333	0.1	0.0
	0812	0.6	0.2
	1418	-0.5	-0.2
	2137	1.6	0.5
27 F	0423	0.1	0.0
	0851	0.6	0.2
	1454	-0.5	-0.2
	2219	1.6	0.5
28 Sa	0509	0.2	0.1
	0926	0.5	0.2
	1532	-0.4	-0.1
	2301	1.5	0.5
29 Su	0554	0.2	0.1
	1005	0.5	0.2
	1608	-0.3	-0.1
	2341	1.4	0.4
30 M	0636	0.2	0.1
	1045	0.5	0.2
	1649	-0.3	-0.1
31 Tu	0020	1.4	0.4
	0718	0.2	0.1
	1133	0.5	0.2
	1731	-0.2	-0.1

JUNE

Day	Time h m	Height ft	Height m
1 W	0100	1.3	0.4
	0800	0.2	0.1
	1226	0.5	0.2
	1817	-0.1	0.0
2 Th	0142	1.2	0.4
	0845	0.2	0.1
	1333	0.5	0.2
	1910	0.0	0.0
3 F	0225	1.2	0.4
	0924	0.1	0.0
	1443	0.6	0.2
	2015	0.1	0.0
4 Sa	0307	1.1	0.3
	0959	0.1	0.0
	1553	0.7	0.2
	2127	0.2	0.1
5 Su	0349	1.0	0.3
	1031	0.0	0.0
	1653	0.9	0.3
	2241	0.2	0.1
6 M	0432	0.9	0.3
	1103	-0.1	0.0
	1749	1.1	0.3
	2352	0.2	0.1
7 Tu	0511	0.8	0.2
	1135	-0.3	-0.1
	1838	1.3	0.4
8 W	0058	0.2	0.1
	0552	0.7	0.2
	1211	-0.4	-0.1
	1927	1.4	0.4
9 Th	0155	0.2	0.1
	0631	0.7	0.2
	1250	-0.5	-0.2
	2012	1.6	0.5
10 F	0251	0.2	0.1
	0716	0.6	0.2
	1335	-0.6	-0.2
	2101	1.7	0.5
11 Sa	0344	0.2	0.1
	0802	0.6	0.2
	1418	-0.7	-0.2
	2149	1.8	0.5
12 Su	0434	0.2	0.1
	0851	0.6	0.2
	1509	-0.7	-0.2
	2237	1.8	0.5
13 M	0525	0.1	0.0
	0946	0.6	0.2
	1600	-0.7	-0.2
	2327	1.8	0.5
14 Tu	0612	0.1	0.0
	1048	0.6	0.2
	1657	-0.6	-0.2
15 W	0019	1.7	0.5
	0705	0.1	0.0
	1156	0.7	0.2
	1757	-0.4	-0.1
16 Th	0109	1.6	0.5
	0754	0.0	0.0
	1313	0.7	0.2
	1905	-0.2	-0.1
17 F	0202	1.4	0.4
	0847	-0.1	0.0
	1434	0.8	0.2
	2021	-0.1	0.0
18 Sa	0254	1.3	0.4
	0935	-0.2	-0.1
	1554	1.0	0.3
	2144	0.1	0.0
19 Su	0344	1.1	0.3
	1019	-0.3	-0.1
	1704	1.2	0.4
	2307	0.2	0.1
20 M	0435	0.9	0.3
	1105	-0.4	-0.1
	1811	1.3	0.4
21 Tu	0024	0.2	0.1
	0524	0.8	0.2
	1151	-0.4	-0.1
	1904	1.5	0.5
22 W	0136	0.2	0.1
	0612	0.7	0.2
	1232	-0.5	-0.2
	1954	1.5	0.5
23 Th	0236	0.2	0.1
	0656	0.6	0.2
	1312	-0.5	-0.2
	2043	1.6	0.5
24 F	0329	0.2	0.1
	0738	0.6	0.2
	1352	-0.4	-0.1
	2124	1.6	0.5
25 Sa	0417	0.2	0.1
	0819	0.5	0.2
	1431	-0.4	-0.1
	2203	1.5	0.5
26 Su	0456	0.3	0.1
	0857	0.5	0.2
	1506	-0.4	-0.1
	2239	1.5	0.5
27 M	0531	0.3	0.1
	0937	0.5	0.2
	1545	-0.3	-0.1
	2314	1.4	0.4
28 Tu	0607	0.3	0.1
	1016	0.5	0.2
	1623	-0.2	-0.1
	2349	1.4	0.4
29 W	0642	0.2	0.1
	1109	0.5	0.2
	1702	-0.2	-0.1
30 Th	0025	1.3	0.4
	0714	0.2	0.1
	1158	0.6	0.2
	1746	-0.1	0.0

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0057	1.2	0.4	16 Sa	0130	1.3	0.4
	0746	0.2	0.1		0804	-0.2	-0.1
	1300	0.6	0.2		1423	1.1	0.3
	1836	0.1	0.0		2019	0.1	0.0
2 Sa	0129	1.1	0.3	17 Su	0218	1.2	0.4
	0818	0.1	0.0		0851	-0.3	-0.1
	1405	0.7	0.2		1539	1.2	0.4
	1939	0.2	0.1		2139	0.3	0.1
3 Su	0205	1.0	0.3	18 M	0307	1.0	0.3
	0850	0.0	0.0		0941	-0.3	-0.1
	1512	0.9	0.3		1648	1.3	0.4
	2051	0.3	0.1		2300	0.3	0.1
4 M	0243	0.9	0.3	19 Tu	0359	0.8	0.2
	0925	-0.1	0.0		1028	-0.3	-0.1
	1618	1.0	0.3		1753	1.4	0.4
	2210	0.3	0.1				
5 Tu	0323	0.8	0.2	20 W	0021	0.4	0.1
	1004	-0.2	-0.1		0451	0.7	0.2
	1717	1.2	0.4		1119	-0.3	-0.1
	2327	0.4	0.1		1848	1.5	0.5
6 W	0407	0.8	0.2	21 Th	0129	0.4	0.1
	1047	-0.4	-0.1		0540	0.7	0.2
	1812	1.4	0.4		1206	-0.3	-0.1
					1941	1.6	0.5
7 Th	0038	0.4	0.1	22 F	0224	0.4	0.1
	0456	0.7	0.2		0629	0.6	0.2
	1133	-0.5	-0.2		1251	-0.3	-0.1
	1904	1.6	0.5		2024	1.6	0.5
8 F	0138	0.3	0.1	23 Sa	0310	0.4	0.1
	0550	0.7	0.2		0715	0.6	0.2
	1221	-0.6	-0.2		1333	-0.3	-0.1
	1956	1.7	0.5		2106	1 6	0.5
9 Sa	0235	0.3	0.1	24 Su	0351	0.4	0.1
	0645	0.7	0.2		0758	0.6	0.2
	1314	-0.7	-0.2		1413	-0.3	-0.1
	2044	1.8	0.5		2142	1.5	0.5
10 Su	0324	0.3	0.1	25 M	0427	0.3	0.1
	0739	0.7	0.2		0837	0.6	0.2
	1405	-0.7	-0.2		1451	-0.2	-0.1
	2133	1.9	0.6		2215	1.5	0.5
11 M	0410	0.2	0.1	26 Tu	0456	0.3	0.1
	0839	0.7	0.2		0920	0.7	0.2
	1501	-0.7	-0.2		1529	-0.2	-0.1
	2221	1.8	0.5		2246	1.5	0.5
12 Tu	0459	0.1	0.0	27 W	0524	0.3	0.1
	0942	0.8	0.2		1002	0.7	0.2
	1556	-0.6	-0.2		1605	-0.1	0.0
	2309	1.8	0.5		2315	1.4	0.4
13 W	0543	0.1	0.0	28 Th	0549	0.3	0.1
	1049	0.8	0.2		1045	0.8	0.2
	1655	-0.5	-0.2		1647	0.0	0.0
	2356	1.7	0.5		2343	1.3	0.4
14 Th	0630	0.0	0.0	29 F	0618	0.2	0.1
	1158	0.9	0.3		1134	0.8	0.2
	1755	-0.3	-0.1		1729	0.1	0.0
15 F	0044	1.5	0.5	30 Sa	0012	1.2	0.4
	0719	-0.1	0.0		0640	0.2	0.1
	1310	1.0	0.3		1230	0.9	0.3
	1903	-0.1	0.0		1820	0.2	0.1
				31 Su	0041	1.1	0.3
					0711	0.1	0.0
					1330	1.0	0.3
					1920	0.3	0.1

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0112	1.0	0.3	16 Tu	0231	1.0	0.3
	0744	0.0	0.0		0859	-0.1	0.0
	1433	1.1	0.3		1619	1.5	0.5
	2029	0.4	0.1		2251	0.5	0.2
2 Tu	0147	0.9	0.3	17 W	0323	0.9	0.3
	0825	-0.1	0.0		0952	-0.1	0.0
	1539	1.3	0.4		1725	1.5	0.5
	2146	0.5	0.2				
3 W	0229	0.9	0.3	18 Th	0004	0.5	0.2
	0912	-0.2	-0.1		0422	0.8	0.2
	1644	1.4	0.4		1048	-0.1	0.0
	2307	0.5	0.2		1822	1.6	0.5
4 Th	0318	0.8	0.2	19 F	0107	0.5	0.2
	1007	-0.3	-0.1		0521	0.8	0.2
	1745	1.6	0.5		1141	-0.1	0.0
					1914	1.6	0.5
5 F	0017	0.5	0.2	20 Sa	0159	0.5	0.2
	0420	0.8	0.2		0613	0.8	0.2
	1103	-0.4	-0.1		1232	-0.1	0.0
	1845	1.7	0.5		2000	1.6	0.5
6 Sa	0118	0.5	0.2	21 Su	0237	0.5	0.2
	0526	0.8	0.2		0704	0.8	0.2
	1202	-0.5	-0.2		1318	-0.1	0.0
	1936	1.8	0.5		2036	1.6	0.5
7 Su	0207	0.4	0.1	22 M	0313	0.5	0.2
	0629	0.9	0.3		0747	0.9	0.3
	1301	-0.6	-0.2		1400	-0.1	0.0
	2027	1.9	0.6		2111	1.6	0.5
8 M	0256	0.3	0.1	23 Tu	0341	0.5	0.2
	0736	0.9	0.3		0827	0.9	0.3
	1400	-0.6	-0.2		1439	0.0	0.0
	2113	1.9	0.6		2143	1.5	0.5
9 Tu	0338	0.2	0.1	24 W	0406	0.4	0.1
	0839	1.0	0.3		0909	1.0	0.3
	1456	-0.5	-0.2		1517	0.0	0.0
	2159	1.8	0.5		2210	1.5	0.5
10 W	0423	0.1	0.0	25 Th	0428	0.4	0.1
	0943	1.1	0.3		0948	1.0	0.3
	1555	-0.4	-0.1		1556	0.1	0.0
	2242	1.7	0.5		2237	1.4	0.4
11 Th	0505	0.0	0.0	26 F	0450	0.4	0.1
	1046	1.2	0.4		1031	1.1	0.3
	1653	-0.2	-0.1		1638	0.2	0.1
	2327	1.6	0.5		2300	1.3	0.4
12 F	0549	0.0	0.0	27 Sa	0512	0.3	0.1
	1149	1.3	0.4		1117	1.2	0.4
	1754	0.0	0.0		1723	0.3	0.1
					2327	1.2	0.4
13 Sa	0011	1.4	0.4	28 Su	0538	0.2	0.1
	0633	-0.1	0.0		1206	1.3	0.4
	1255	1.4	0.4		1815	0.4	0.1
	1858	0.2	0.1		2354	1.1	0.3
14 Su	0053	1.3	0.4	29 M	0610	0.1	0.0
	0720	-0.1	0.0		1300	1.4	0.4
	1403	1.4	0.4		1910	0.5	0.2
	2012	0.3	0.1				
15 M	0139	1.1	0.3	30 Tu	0023	1.0	0.3
	0806	-0.2	-0.1		0649	0.0	0.0
	1513	1.5	0.5		1400	1.5	0.5
	2129	0.4	0.1		2019	0.6	0.2
				31 W	0101	1.0	0.3
					0737	0.0	0.0
					1505	1.6	0.5
					2132	0.7	0.2

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0150	0.9	0.3	16 F	0400	0.9	0.3
	0834	-0.1	0.0		1014	0.2	0.1
	1612	1.6	0.5		1744	1.6	0.5
	2248	0.7	0.2				
2 F	0252	0.9	0.3	17 Sa	0029	0.6	0.2
	0938	-0.2	-0.1		0506	0.9	0.3
	1718	1.7	0.5		1116	0.2	0.1
	2353	0.6	0.2		1836	1.6	0.5
3 Sa	0405	1.0	0.3	18 Su	0112	0.6	0.2
	1045	-0.2	-0.1		0602	1.0	0.3
	1817	1.8	0.5		1208	0.2	0.1
					1918	1.6	0.5
4 Su	0049	0.6	0.2	19 M	0148	0.6	0.2
	0521	1.0	0.3		0651	1.1	0.3
	1150	-0.3	-0.1		1259	0.2	0.1
	1913	1.8	0.5		1957	1.6	0.5
5 M	0135	0.5	0.2	20 Tu	0220	0.5	0.2
	0633	1.1	0.3		0738	1.1	0.3
	1256	-0.3	-0.1		1343	0.2	0.1
	1959	1.9	0.6		2029	1.5	0.5
6 Tu	0220	0.4	0.1	21 W	0244	0.5	0.2
	0738	1.3	0.4		0817	1.2	0.4
	1355	-0.2	-0.1		1427	0.2	0.1
	2045	1.8	0.5		2059	1.5	0.5
7 W	0302	0.2	0.1	22 Th	0307	0.5	0.2
	0840	1.4	0.4		0855	1.3	0.4
	1454	-0.2	-0.1		1509	0.3	0.1
	2130	1.7	0.5		2124	1.4	0.4
8 Th	0341	0.1	0.0	23 F	0329	0.4	0.1
	0939	1.5	0.5		0935	1.4	0.4
	1553	0.0	0.0		1551	0.3	0.1
	2212	1.6	0.5		2151	1.3	0.4
9 F	0423	0.0	0.0	24 Sa	0352	0.3	0.1
	1038	1.6	0.5		1013	1.5	0.5
	1652	0.1	0.0		1637	0.4	0.1
	2254	1.5	0.5		2216	1.2	0.4
10 Sa	0505	0.0	0.0	25 Su	0416	0.3	0.1
	1136	1.7	0.5		1058	1.6	0.5
	1752	0.3	0.1		1723	0.5	0.2
	2336	1.3	0.4		2240	1.2	0.4
11 Su	0546	0.0	0.0	26 M	0446	0.2	0.1
	1236	1.7	0.5		1146	1.7	0.5
	1855	0.4	0.1		1812	0.6	0.2
					2312	1.1	0.3
12 M	0018	1.2	0.4	27 Tu	0525	0.1	0.0
	0632	0.0	0.0		1236	1.8	0.5
	1335	1.7	0.5		1912	0.7	0.2
	2002	0.5	0.2		2345	1.0	0.3
13 Tu	0103	1.1	0.3	28 W	0607	0.0	0.0
	0721	0.0	0.0		1335	1.8	0.5
	1438	1.7	0.5		2014	0.7	0.2
	2114	0.6	0.2				
14 W	0155	1.0	0.3	29 Th	0030	1.0	0.3
	0818	0.1	0.0		0703	0.0	0.0
	1543	1.6	0.5		1440	1.8	0.5
	2229	0.6	0.2		2123	0.7	0.2
15 Th	0256	0.9	0.3	30 F	0131	1.0	0.3
	0917	0.1	0.0		0807	0.0	0.0
	1646	1.6	0.5		1546	1.8	0.5
	2335	0.6	0.2		2229	0.7	0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0248	1.0	0.3	16	0445	1.0	0.3
Sa	0920	0.0	0.0	Su	1039	0.4	0.1
	1650	1.8	0.5		1742	1.6	0.5
	2325	0.6	0.2				
2	0413	1.1	0.3	17	0017	0.6	0.2
Su	1033	0.0	0.0	M	0542	1.1	0.3
	1746	1.8	0.5		1141	0.4	0.1
					1827	1.5	0.5
3	0017	0.5	0.2	18	0052	0.5	0.2
M	0530	1.2	0.4	Tu	0634	1.2	0.4
	1145	0.0	0.0		1235	0.4	0.1
	1839	1.8	0.5		1903	1.5	0.5
4	0059	0.4	0.1	19	0120	0.5	0.2
Tu	0640	1.4	0.4	W	0719	1.3	0.4
	1254	0.1	0.0		1326	0.4	0.1
	1928	1.7	0.5		1938	1.4	0.4
5	0141	0.3	0.1	20	0145	0.4	0.1
W	0743	1.6	0.5	Th	0800	1.5	0.5
	1357	0.1	0.0		1413	0.4	0.1
	2015	1.6	0.5		2006	1.3	0.4
6	0223	0.2	0.1	21	0209	0.3	0.1
Th	0839	1.8	0.5	F	0839	1.6	0.5
	1459	0.2	0.1		1501	0.4	0.1
	2057	1.5	0.5		2035	1.2	0.4
7	0303	0.1	0.0	22	0233	0.2	0.1
F	0936	1.9	0.6	Sa	0919	1.7	0.5
	1557	0.3	0.1		1547	0.5	0.2
	2136	1.4	0.4		2103	1.1	0.3
8	0343	0.0	0.0	23	0300	0.2	0.1
Sa	1029	2.0	0.6	Su	1001	1.8	0.5
	1655	0.4	0.1		1634	0.5	0.2
	2218	1.3	0.4		2129	1.1	0.3
9	0422	0.0	0.0	24	0331	0.1	0.0
Su	1119	2.0	0.6	M	1043	1.9	0.6
	1750	0.5	0.2		1724	0.6	0.2
	2300	1.2	0.4		2201	1.0	0.3
10	0503	0.0	0.0	25	0408	0.0	0.0
M	1211	1.9	0.6	Tu	1130	1.9	0.6
	1849	0.5	0.2		1812	0.6	0.2
	2342	1.1	0.3		2239	1.0	0.3
11	0547	0.1	0.0	26	0453	0.0	0.0
Tu	1303	1.9	0.6	W	1223	1.9	0.6
	1949	0.6	0.2		1910	0.7	0.2
					2325	1.0	0.3
12	0031	1.0	0.3	27	0542	0.0	0.0
W	0636	0.2	0.1	Th	1319	1.9	0.6
	1402	1.8	0.5		2009	0.7	0.2
	2051	0.7	0.2				
13	0126	1.0	0.3	28	0021	1.0	0.3
Th	0729	0.2	0.1	F	0643	0.0	0.0
	1458	1.7	0.5		1417	1.9	0.6
	2155	0.7	0.2		2108	0.6	0.2
14	0227	1.0	0.3	29	0135	1.0	0.3
F	0831	0.3	0.1	Sa	0749	0.1	0.0
	1558	1.6	0.5		1520	1.8	0.5
	2251	0.7	0.2		2207	0.6	0.2
15	0338	1.0	0.3	30	0306	1.1	0.3
Sa	0933	0.4	0.1	Su	0911	0.1	0.0
	1654	1.6	0.5		1617	1.7	0.5
	2342	0.6	0.2		2256	0.4	0.1
				31	0427	1.2	0.4
				M	1030	0.2	0.1
					1713	1.7	0.5
					2344	0.3	0.1

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0540	1.4	0.4	16	0612	1.2	0.4
Tu	1146	0.3	0.1	W	1208	0.5	0.2
	1805	1.6	0.5		1800	1.2	0.4
2	0025	0.2	0.1	17	0017	0.2	0.1
W	0645	1.6	0.5	Th	0656	1.4	0.4
	1257	0.3	0.1		1305	0.5	0.2
	1851	1.5	0.5		1835	1.1	0.3
3	0105	0.0	0.0	18	0046	0.1	0.0
Th	0744	1.8	0.5	F	0739	1.5	0.5
	1403	0.3	0.1		1359	0.4	0.1
	1936	1.3	0.4		1907	1.0	0.3
4	0147	-0.1	0.0	19	0117	0.0	0.0
F	0837	1.9	0.6	Sa	0818	1.7	0.5
	1503	0.4	0.1		1451	0.4	0.1
	2019	1.2	0.4		1942	1.0	0.3
5	0226	-0.1	0.0	20	0146	-0.1	0.0
Sa	0925	2.0	0.6	Su	0900	1.8	0.5
	1600	0.4	0.1		1541	0.4	0.1
	2100	1.1	0.3		2014	0.9	0.3
6	0305	-0.1	0.0	21	0222	-0.2	-0.1
Su	1015	2.0	0.6	M	0945	1.9	0.6
	1653	0.4	0.1		1628	0.5	0.2
	2142	1.0	0.3		2049	0.9	0.3
7	0344	-0.1	0.0	22	0301	-0.3	-0.1
M	1103	2.0	0.6	Tu	1031	2.0	0.6
	1749	0.5	0.2		1717	0.5	0.2
	2224	1.0	0.3		2132	0.8	0.2
8	0426	-0.1	0.0	23	0347	-0.3	-0.1
Tu	1148	1.9	0.6	W	1119	2.0	0.6
	1839	0.5	0.2		1809	0.5	0.2
	2306	0.9	0.3		2218	0.8	0.2
9	0509	0.0	0.0	24	0436	-0.3	-0.1
W	1234	1.8	0.5	Th	1209	1.9	0.6
	1932	0.6	0.2		1900	0.5	0.2
	2352	0.9	0.3		2317	0.8	0.2
10	0554	0.1	0.0	25	0530	-0.2	-0.1
Th	1324	1.7	0.5	F	1300	1.8	0.5
	2025	0.6	0.2		1950	0.4	0.1
11	0054	0.8	0.2	26	0028	0.8	0.2
F	0647	0.2	0.1	Sa	0634	-0.1	0.0
	1414	1.6	0.5		1355	1.7	0.5
	2115	0.5	0.2		2042	0.3	0.1
12	0157	0.9	0.3	27	0149	0.9	0.3
Sa	0745	0.3	0.1	Su	0746	0.0	0.0
	1500	1.5	0.5		1448	1.6	0.5
	2203	0.5	0.2		2134	0.2	0.1
13	0307	0.9	0.3	28	0313	1.0	0.3
Su	0847	0.4	0.1	M	0906	0.1	0.0
	1552	1.5	0.5		1542	1.5	0.5
	2242	0.4	0.1		2220	0.1	0.0
14	0418	1.0	0.3	29	0434	1.2	0.4
M	0956	0.4	0.1	Tu	1028	0.2	0.1
	1638	1.4	0.4		1634	1.3	0.4
	2321	0.4	0.1		2305	-0.1	0.0
15	0518	1.1	0.3	30	0544	1.4	0.4
Tu	1103	0.5	0.2	W	1148	0.3	0.1
	1721	1.3	0.4		1726	1.2	0.4
	2349	0.3	0.1		2351	-0.2	-0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0647	1.6	0.5	16	0625	1.3	0.4
Th	1303	0.3	0.1	F	1245	0.4	0.1
	1813	1.0	0.3		1729	0.8	0.2
					2354	-0.3	-0.1
2	0033	-0.3	-0.1	17	0714	1.5	0.5
F	0739	1.7	0.5	Sa	1345	0.3	0.1
	1410	0.3	0.1		1811	0.7	0.2
	1901	0.9	0.3				
3	0115	-0.3	-0.1	18	0033	-0.4	-0.1
Sa	0831	1.8	0.5	Su	0759	1.6	0.5
	1507	0.3	0.1		1438	0.3	0.1
	1943	0.8	0.2		1847	0.7	0.2
4	0155	-0.4	-0.1	19	0115	-0.5	-0.2
Su	0920	1.9	0.6	M	0843	1.7	0.5
	1603	0.3	0.1		1527	0.3	0.1
	2025	0.8	0.2		1935	0.6	0.2
5	0236	-0.3	-0.1	20	0157	-0.6	-0.2
M	1002	1.8	0.5	Tu	0930	1.8	0.5
	1652	0.3	0.1		1613	0.3	0.1
	2110	0.7	0.2		2022	0.6	0.2
6	0316	-0.3	-0.1	21	0244	-0.6	-0.2
Tu	1045	1.8	0.5	W	1016	1.8	0.5
	1738	0.4	0.1		1700	0.2	0.1
	2152	0.7	0.2		2115	0.7	0.2
7	0357	-0.2	-0.1	22	0335	-0.6	-0.2
W	1126	1.7	0.5	Th	1102	1.8	0.5
	1823	0.4	0.1		1746	0.2	0.1
	2235	0.7	0.2		2215	0.7	0.2
8	0439	-0.2	-0.1	23	0427	-0.6	-0.2
Th	1207	1.6	0.5	F	1149	1.7	0.5
	1903	0.4	0.1		1836	0.1	0.0
	2323	0.7	0.2		2322	0.7	0.2
9	0521	-0.1	0.0	24	0526	-0.4	-0.1
F	1246	1.5	0.5	Sa	1238	1.6	0.5
	1947	0.3	0.1		1921	0.0	0.0
10	0019	0.6	0.2	25	0035	0.8	0.2
Sa	0607	0.0	0.0	Su	0632	-0.3	-0.1
	1328	1.4	0.4		1327	1.5	0.5
	2025	0.3	0.1		2009	-0.1	0.0
11	0123	0.7	0.2	26	0153	0.8	0.2
Su	0703	0.1	0.0	M	0745	-0.1	0.0
	1407	1.3	0.4		1417	1.3	0.4
	2104	0.2	0.1		2055	-0.2	-0.1
12	0233	0.7	0.2	27	0313	1.0	0.3
M	0801	0.2	0.1	Tu	0905	0.1	0.0
	1447	1.2	0.4		1506	1.1	0.3
	2139	0.2	0.1		2144	-0.3	-0.1
13	0340	0.8	0.2	28	0427	1.2	0.4
Tu	0911	0.3	0.1	W	1030	0.2	0.1
	1530	1.1	0.3		1558	0.9	0.3
	2214	0.1	0.0		2230	-0.4	-0.1
14	0443	1.0	0.3	29	0536	1.3	0.4
W	1024	0.4	0.1	Th	1153	0.2	0.1
	1609	1.0	0.3		1648	0.8	0.2
	2249	0.0	0.0		2319	-0.5	-0.2
15	0536	1.1	0.3	30	0637	1.5	0.5
Th	1139	0.4	0.1	F	1307	0.2	0.1
	1647	0.9	0.3		1742	0.7	0.2
	2318	-0.1	0.0				
				31	0006	-0.5	-0.2
				Sa	0730	1.5	0.5
					1410	0.2	0.1
					1829	0.6	0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0019	0.1	0.0
	0647	4.2	1.3
	1237	1.8	0.5
	1835	4.9	1.5
2 Su	0119	0.2	0.1
	0755	4.3	1.3
	1347	1.7	0.5
	1941	4.8	1.5
3 M	0222	0.3	0.1
	0859	4.4	1.3
	1501	1.6	0.5
	2050	4.7	1.4
4 Tu	0326	0.5	0.2
	1003	4.6	1.4
	1610	1.5	0.5
	2159	4.6	1.4
5 W	0428	0.7	0.2
	1102	4.6	1.4
	1715	1.2	0.4
	2308	4.5	1.4
6 Th	0528	1.0	0.3
	1155	4.7	1.4
	1815	1.0	0.3
7 F	0013	4.3	1.3
	0626	1.2	0.4
	1245	4.7	1.4
	1914	0.8	0.2
8 Sa	0113	4.2	1.3
	0722	1.4	0.4
	1333	4.6	1.4
	2004	0.7	0.2
9 Su	0211	4.1	1.2
	0814	1.6	0.5
	1417	4.6	1.4
	2055	0.7	0.2
10 M	0303	4.0	1.2
	0900	1.7	0.5
	1458	4.4	1.3
	2137	0.7	0.2
11 Tu	0351	3.8	1.2
	0946	1.9	0.6
	1536	4.3	1.3
	2221	0.8	0.2
12 W	0434	3.7	1.1
	1027	2.0	0.6
	1617	4.2	1.3
	2300	0.9	0.3
13 Th	0520	3.6	1.1
	1104	2.2	0.7
	1654	4.2	1.3
	2337	1.0	0.3
14 F	0602	3.6	1.1
	1140	2.3	0.7
	1736	4.1	1.2
15 Sa	0012	1.1	0.3
	0645	3.6	1.1
	1218	2.3	0.7
	1815	4.0	1.2
16 Su	0045	1.2	0.4
	0728	3.6	1.1
	1257	2.4	0.7
	1857	3.9	1.2
17 M	0121	1.3	0.4
	0814	3.6	1.1
	1342	2.4	0.7
	1939	3.9	1.2
18 Tu	0158	1.4	0.4
	0856	3.6	1.1
	1425	2.3	0.7
	2025	3.8	1.2
19 W	0235	1.4	0.4
	0933	3.7	1.1
	1514	2.1	0.6
	2114	3.8	1.2
20 Th	0319	1.5	0.5
	1008	3.8	1.2
	1603	1.9	0.6
	2205	3.7	1.1
21 F	0401	1.5	0.5
	1042	3.9	1.2
	1651	1.6	0.5
	2256	3.7	1.1
22 Sa	0446	1.5	0.5
	1119	4.0	1.2
	1740	1.2	0.4
	2347	3.8	1.2
23 Su	0533	1.5	0.5
	1157	4.2	1.3
	1829	0.9	0.3
24 M	0042	3.8	1.2
	0624	1.5	0.5
	1242	4.4	1.3
	1920	0.5	0.2
25 Tu	0134	3.9	1.2
	0716	1.5	0.5
	1329	4.6	1.4
	2013	0.2	0.1
26 W	0229	4.0	1.2
	0812	1.4	0.4
	1421	4.8	1.5
	2106	0.1	0.0
27 Th	0324	4.1	1.2
	0909	1.4	0.4
	1517	4.9	1.5
	2201	0.0	0.0
28 F	0422	4.1	1.2
	1010	1.4	0.4
	1615	4.9	1.5
	2258	0.0	0.0
29 Sa	0521	4.2	1.3
	1115	1.4	0.4
	1718	4.9	1.5
	2358	0.1	0.0
30 Su	0622	4.2	1.3
	1223	1.4	0.4
	1821	4.8	1.5
31 M	0059	0.3	0.1
	0727	4.2	1.3
	1333	1.4	0.4
	1929	4.6	1.4

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0202	0.6	0.2
	0830	4.3	1.3
	1442	1.2	0.4
	2038	4.5	1.4
2 W	0307	0.8	0.2
	0934	4.3	1.3
	1551	1.1	0.3
	2148	4.3	1.3
3 Th	0411	1.0	0.3
	1033	4.4	1.3
	1657	0.9	0.3
	2257	4.2	1.3
4 F	0515	1.2	0.4
	1129	4.4	1.3
	1755	0.7	0.2
5 Sa	0001	4.1	1.2
	0615	1.3	0.4
	1220	4.3	1.3
	1848	0.6	0.2
6 Su	0100	4.0	1.2
	0707	1.4	0.4
	1305	4.3	1.3
	1939	0.5	0.2
7 M	0149	3.9	1.2
	0757	1.5	0.5
	1348	4.2	1.3
	2024	0.6	0.2
8 Tu	0238	3.8	1.2
	0839	1.6	0.5
	1429	4.2	1.3
	2105	0.6	0.2
9 W	0316	3.7	1.1
	0916	1.7	0.5
	1507	4.2	1.3
	2141	0.8	0.2
10 Th	0357	3.6	1.1
	0951	1.8	0.5
	1543	4.1	1.2
	2216	0.9	0.3
11 F	0434	3.6	1.1
	1022	1.9	0.6
	1623	4.1	1.2
	2248	1.0	0.3
12 Sa	0514	3.5	1.1
	1054	1.9	0.6
	1701	4.0	1.2
	2321	1.1	0.3
13 Su	0553	3.5	1.1
	1129	2.0	0.6
	1740	3.9	1.2
	2355	1.2	0.4
14 M	0633	3.5	1.1
	1212	2.0	0.6
	1822	3.9	1.2
15 Tu	0032	1.3	0.4
	0715	3.5	1.1
	1254	1.9	0.6
	1907	3.8	1.2
16 W	0112	1.4	0.4
	0754	3.5	1.1
	1344	1.8	0.5
	1958	3.7	1.1
17 Th	0154	1.5	0.5
	0835	3.5	1.1
	1435	1.6	0.5
	2051	3.6	1.1
18 F	0244	1.6	0.5
	0915	3.5	1.1
	1530	1.4	0.4
	2145	3.6	1.1
19 Sa	0335	1.6	0.5
	0956	3.6	1.1
	1622	1.1	0.3
	2240	3.6	1.1
20 Su	0427	1.6	0.5
	1043	3.8	1.2
	1715	0.8	0.2
	2336	3.7	1.1
21 M	0522	1.5	0.5
	1131	4.0	1.2
	1808	0.5	0.2
22 Tu	0028	3.8	1.2
	0615	1.5	0.5
	1222	4.2	1.3
	1900	0.2	0.1
23 W	0121	3.9	1.2
	0710	1.4	0.4
	1317	4.4	1.3
	1955	0.1	0.0
24 Th	0214	4.0	1.2
	0807	1.3	0.4
	1412	4.6	1.4
	2048	0.0	0.0
25 F	0306	4.1	1.2
	0903	1.2	0.4
	1508	4.7	1.4
	2141	0.1	0.0
26 Sa	0401	4.1	1.2
	1003	1.1	0.3
	1607	4.7	1.4
	2239	0.2	0.1
27 Su	0457	4.2	1.3
	1106	1.0	0.3
	1706	4.6	1.4
	2338	0.4	0.1
28 M	0556	4.1	1.2
	1212	1.0	0.3
	1811	4.5	1.4

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0041	0.7	0.2
	0657	4.1	1.2
	1317	0.9	0.3
	1920	4.3	1.3
2 W	0144	0.9	0.3
	0758	4.0	1.2
	1423	0.8	0.2
	2029	4.2	1.3
3 Th	0252	1.1	0.3
	0900	4.0	1.2
	1527	0.7	0.2
	2141	4.1	1.2
4 F	0401	1.3	0.4
	1000	4.0	1.2
	1628	0.6	0.2
	2246	4.0	1.2
5 Sa	0504	1.4	0.4
	1055	3.9	1.2
	1726	0.5	0.2
	2345	3.9	1.2
6 Su	0600	1.4	0.4
	1147	3.9	1.2
	1818	0.5	0.2
7 M	0037	3.8	1.2
	0651	1.4	0.4
	1236	3.9	1.2
	1904	0.5	0.2
8 Tu	0123	3.8	1.2
	0733	1.5	0.5
	1316	3.9	1.2
	1945	0.6	0.2
9 W	0200	3.7	1.1
	0810	1.5	0.5
	1355	3.9	1.2
	2019	0.7	0.2
10 Th	0237	3.7	1.1
	0842	1.5	0.5
	1432	4.0	1.2
	2053	0.8	0.2
11 F	0312	3.7	1.1
	0911	1.5	0.5
	1509	4.0	1.2
	2123	0.9	0.3
12 Sa	0347	3.7	1.1
	0940	1.5	0.5
	1548	4.0	1.2
	2155	1.0	0.3
13 Su	0423	3.6	1.1
	1015	1.5	0.5
	1628	3.9	1.2
	2230	1.1	0.3
14 M	0457	3.6	1.1
	1051	1.5	0.5
	1710	3.9	1.2
	2306	1.3	0.4
15 Tu	0534	3.5	1.1
	1134	1.4	0.4
	1756	3.8	1.2
	2348	1.4	0.4
16 W	0611	3.5	1.1
	1221	1.3	0.4
	1843	3.7	1.1
17 Th	0033	1.5	0.5
	0651	3.5	1.1
	1313	1.2	0.4
	1939	3.6	1.1
18 F	0125	1.6	0.5
	0734	3.4	1.0
	1406	1.0	0.3
	2038	3.6	1.1
19 Sa	0221	1.7	0.5
	0826	3.5	1.1
	1501	0.8	0.2
	2135	3.6	1.1
20 Su	0320	1.7	0.5
	0921	3.6	1.1
	1557	0.6	0.2
	2232	3.7	1.1
21 M	0420	1.7	0.5
	1018	3.7	1.1
	1654	0.4	0.1
	2328	3.8	1.2
22 Tu	0518	1.6	0.5
	1115	3.9	1.2
	1748	0.2	0.1
23 W	0020	3.9	1.2
	0615	1.4	0.4
	1212	4.1	1.2
	1843	0.1	0.0
24 Th	0109	4.0	1.2
	0711	1.2	0.4
	1308	4.3	1.3
	1935	0.1	0.0
25 F	0158	4.1	1.2
	0806	1.1	0.3
	1404	4.4	1.3
	2031	0.2	0.1
26 Sa	0250	4.2	1.3
	0903	0.9	0.3
	1502	4.5	1.4
	2124	0.4	0.1
27 Su	0342	4.2	1.3
	1000	0.8	0.2
	1601	4.4	1.3
	2220	0.6	0.2
28 M	0433	4.2	1.3
	1057	0.7	0.2
	1702	4.3	1.3
	2319	0.9	0.3
29 Tu	0527	4.1	1.2
	1200	0.6	0.2
	1806	4.2	1.3
30 W	0025	1.2	0.4
	0624	4.0	1.2
	1259	0.5	0.2
	1915	4.0	1.2
31 Th	0130	1.4	0.4
	0725	3.8	1.2
	1401	0.5	0.2
	2023	3.9	1.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0241	1.6	0.5	16 Sa	0100	1.8	0.5
	0825	3.7	1.1		0651	3.6	1.1
	1502	0.5	0.2		1341	0.4	0.1
	2129	3.9	1.2		2023	3.7	1.1
2 Sa	0349	1.6	0.5	17 Su	0204	1.9	0.6
	0924	3.6	1.1		0751	3.6	1.1
	1558	0.5	0.2		1439	0.3	0.1
	2231	3.9	1.2		2125	3.8	1.2
3 Su	0449	1.6	0.5	18 M	0309	1.9	0.6
	1020	3.6	1.1		0854	3.7	1.1
	1651	0.5	0.2		1537	0.2	0.1
	2324	3.8	1.2		2224	3.9	1.2
4 M	0544	1.6	0.5	19 Tu	0415	1.7	0.5
	1112	3.6	1.1		1000	3.8	1.2
	1738	0.6	0.2		1634	0.2	0.1
					2318	4.0	1.2
5 Tu	0008	3.8	1.2	20 W	0518	1.6	0.5
	0628	1.6	0.5		1101	3.9	1.2
	1157	3.6	1.1		1729	0.2	0.1
	1820	0.7	0.2				
6 W	0047	3.8	1.2	21 Th	0009	4.2	1.3
	0703	1.5	0.5		0615	1.3	0.4
	1239	3.7	1.1		1203	4.1	1.2
	1856	0.8	0.2		1825	0.3	0.1
7 Th	0120	3.8	1.2	22 F	0057	4.3	1.3
	0735	1.5	0.5		0711	1.1	0.3
	1316	3.8	1.2		1303	4.2	1.3
	1927	0.9	0.3		1921	0.4	0.1
8 F	0154	3.8	1.2	23 Sa	0146	4.4	1.3
	0804	1.5	0.5		0807	0.9	0.3
	1356	3.8	1.2		1401	4.2	1.3
	1958	1.0	0.3		2014	0.6	0.2
9 Sa	0227	3.9	1.2	24 Su	0235	4.4	1.3
	0834	1.4	0.4		0901	0.7	0.2
	1435	3.8	1.2		1500	4.2	1.3
	2027	1.1	0.3		2109	0.9	0.3
10 Su	0259	3.9	1.2	25 M	0321	4.4	1.3
	0904	1.3	0.4		0956	0.5	0.2
	1515	3.9	1.2		1601	4.2	1.3
	2103	1.2	0.4		2205	1.2	0.4
11 M	0331	3.9	1.2	26 Tu	0409	4.3	1.3
	0941	1.1	0.3		1051	0.4	0.1
	1557	3.8	1.2		1704	4.1	1.2
	2141	1.3	0.4		2304	1.5	0.5
12 Tu	0404	3.8	1.2	27 W	0500	4.1	1.2
	1023	1.0	0.3		1146	0.4	0.1
	1642	3.8	1.2		1809	4.0	1.2
	2223	1.4	0.4				
13 W	0437	3.8	1.2	28 Th	0008	1.7	0.5
	1103	0.8	0.2		0555	3.9	1.2
	1733	3.7	1.1		1242	0.3	0.1
	2309	1.6	0.5		1914	3.9	1.2
14 Th	0516	3.7	1.1	29 F	0117	1.9	0.6
	1156	0.7	0.2		0649	3.7	1.1
	1827	3.7	1.1		1339	0.4	0.1
					2018	3.9	1.2
15 F	0001	1.7	0.5	30 Sa	0227	2.0	0.6
	0558	3.7	1.1		0746	3.6	1.1
	1245	0.6	0.2		1431	0.5	0.2
	1923	3.7	1.1		2115	3.8	1.2

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0332	2.0	0.6	16 M	0149	2.0	0.6
	0842	3.5	1.1		0726	4.0	1.2
	1523	0.6	0.2		1417	0.1	0.0
	2209	3.9	1.2		2112	4.1	1.2
2 M	0429	1.9	0.6	17 Tu	0259	1.9	0.6
	0937	3.5	1.1		0834	4.0	1.2
	1609	0.7	0.2		1516	0.1	0.0
	2254	3.9	1.2		2209	4.3	1.3
3 Tu	0515	1.9	0.6	18 W	0408	1.8	0.5
	1026	3.5	1.1		0944	4.0	1.2
	1650	0.8	0.2		1616	0.2	0.1
	2333	3.9	1.2		2304	4.4	1.3
4 W	0556	1.8	0.5	19 Th	0513	1.5	0.5
	1112	3.5	1.1		1052	4.1	1.2
	1726	0.9	0.3		1714	0.4	0.1
					2355	4.6	1.4
5 Th	0005	4.0	1.2	20 F	0612	1.2	0.4
	0629	1.8	0.5		1157	4.1	1.2
	1154	3.6	1.1		1810	0.6	0.2
	1758	1.0	0.3				
6 F	0040	4.0	1.2	21 Sa	0044	4.7	1.4
	0658	1.6	0.5		0711	1.0	0.3
	1235	3.6	1.1		1300	4.1	1.2
	1830	1.1	0.3		1905	0.8	0.2
7 Sa	0109	4.1	1.2	22 Su	0131	4.7	1.4
	0727	1.5	0.5		0803	0.7	0.2
	1317	3.7	1.1		1402	4.1	1.2
	1902	1.2	0.4		2000	1.1	0.3
8 Su	0141	4.1	1.2	23 M	0218	4.7	1.4
	0758	1.3	0.4		0858	0.5	0.2
	1359	3.7	1.1		1503	4.1	1.2
	1938	1.3	0.4		2057	1.4	0.4
9 M	0210	4.2	1.3	24 Tu	0304	4.6	1.4
	0831	1.1	0.3		0950	0.3	0.1
	1444	3.8	1.2		1603	4.0	1.2
	2017	1.4	0.4		2153	1.7	0.5
10 Tu	0240	4.2	1.3	25 W	0350	4.4	1.3
	0910	0.8	0.2		1042	0.3	0.1
	1529	3.8	1.2		1706	3.9	1.2
	2059	1.5	0.5		2253	1.9	0.6
11 W	0315	4.2	1.3	26 Th	0438	4.2	1.3
	0952	0.6	0.2		1132	0.3	0.1
	1620	3.8	1.2		1806	3.9	1.2
	2144	1.7	0.5		2354	2.1	0.6
12 Th	0352	4.2	1.3	27 F	0524	4.0	1.2
	1039	0.4	0.1		1221	0.3	0.1
	1712	3.8	1.2		1907	3.9	1.2
	2236	1.8	0.5				
13 F	0434	4.1	1.2	28 Sa	0101	2.3	0.7
	1129	0.2	0.1		0615	3.8	1.2
	1806	3.8	1.2		1310	0.5	0.2
	2334	1.9	0.6		1959	3.8	1.2
14 Sa	0524	4.1	1.2	29 Su	0203	2.3	0.7
	1222	0.1	0.0		0707	3.7	1.1
	1908	3.9	1.2		1357	0.6	0.2
					2051	3.9	1.2
15 Su	0038	2.0	0.6	30 M	0303	2.3	0.7
	0621	4.0	1.2		0757	3.5	1.1
	1320	0.1	0.0		1439	0.8	0.2
	2011	4.0	1.2		2137	3.9	1.2
				31 Tu	0354	2.3	0.7
					0848	3.5	1.1
					1520	0.9	0.3
					2217	4.0	1.2

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0439	2.2	0.7	16 Th	0357	1.7	0.5
	0937	3.5	1.1		0931	4.2	1.3
	1553	1.1	0.3		1557	0.4	0.1
	2254	4.0	1.2		2245	4.8	1.5
2 Th	0516	2.1	0.6	17 F	0501	1.4	0.4
	1025	3.5	1.1		1041	4.2	1.3
	1627	1.2	0.4		1657	0.7	0.2
	2326	4.1	1.2		2338	4.9	1.5
3 F	0548	2.0	0.6	18 Sa	0603	1.1	0.3
	1109	3.5	1.1		1151	4.1	1.2
	1659	1.3	0.4		1755	0.9	0.3
	2357	4.2	1.3				
4 Sa	0617	1.8	0.5	19 Su	0028	4.9	1.5
	1156	3.6	1.1		0702	0.8	0.2
	1735	1.4	0.4		1258	4.1	1.2
					1854	1.2	0.4
5 Su	0027	4.3	1.3	20 M	0116	4.9	1.5
	0649	1.5	0.5		0757	0.5	0.2
	1241	3.6	1.1		1403	4.1	1.2
	1813	1.4	0.4		1951	1.5	0.5
6 M	0056	4.3	1.3	21 Tu	0203	4.8	1.5
	0724	1.2	0.4		0847	0.3	0.1
	1327	3.7	1.1		1503	4.0	1.2
	1852	1.5	0.5		2048	1.8	0.5
7 Tu	0127	4.4	1.3	22 W	0246	4.7	1.4
	0759	0.9	0.3		0938	0.2	0.1
	1413	3.7	1.1		1601	4.0	1.2
	1936	1.6	0.5		2142	2.0	0.6
8 W	0159	4.5	1.4	23 Th	0331	4.5	1.4
	0845	0.6	0.2		1026	0.2	0.1
	1502	3.8	1.2		1700	3.9	1.2
	2023	1.7	0.5		2240	2.2	0.7
9 Th	0236	4.5	1.4	24 F	0415	4.3	1.3
	0927	0.3	0.1		1113	0.3	0.1
	1555	3.9	1.2		1752	3.9	1.2
	2113	1.8	0.5		2336	2.4	0.7
10 F	0317	4.6	1.4	25 Sa	0500	4.1	1.2
	1016	0.1	0.0		1156	0.5	0.2
	1648	3.9	1.2		1845	3.8	1.2
	2208	1.9	0.6				
11 Sa	0406	4.5	1.4	26 Su	0029	2.5	0.8
	1107	-0.1	0.0		0542	4.0	1.2
	1747	4.0	1.2		1238	0.6	0.2
	2310	2.0	0.6		1933	3.8	1.2
12 Su	0502	4.5	1.4	27 M	0124	2.5	0.8
	1201	-0.1	0.0		0626	3.8	1.2
	1846	4.1	1.2		1315	0.8	0.2
					2015	3.9	1.2
13 M	0019	2.1	0.6	28 Tu	0218	2.6	0.8
	0602	4.4	1.3		0713	3.7	1.1
	1259	-0.1	0.0		1349	1.0	0.3
	1949	4.3	1.3		2057	3.9	1.2
14 Tu	0132	2.1	0.6	29 W	0306	2.6	0.8
	0709	4.3	1.3		0758	3.6	1.1
	1357	0.0	0.0		1424	1.2	0.4
	2051	4.4	1.3		2136	4.0	1.2
15 W	0244	1.9	0.6	30 Th	0349	2.5	0.8
	0819	4.3	1.3		0847	3.5	1.1
	1456	0.2	0.1		1457	1.3	0.4
	2150	4.6	1.4		2212	4.1	1.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

ISLA ZAPARA (Malecon), VENEZUELA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0424	2.3	0.7
	0939	3.5	1.1
	1532	1.4	0.4
	2244	4.2	1.3
2 Sa	0459	2.1	0.6
	1029	3.5	1.1
	1608	1.5	0.5
	2314	4.2	1.3
3 Su	0534	1.8	0.5
	1117	3.5	1.1
	1647	1.6	0.5
	2344	4.3	1.3
4 M	0610	1.5	0.5
	1206	3.5	1.1
	1729	1.7	0.5
5 Tu	0011	4.4	1.3
	0648	1.1	0.3
	1257	3.6	1.1
	1816	1.7	0.5
6 W	0045	4.6	1.4
	0730	0.7	0.2
	1345	3.7	1.1
	1903	1.8	0.5
7 Th	0125	4.7	1.4
	0816	0.4	0.1
	1435	3.8	1.2
	1954	1.8	0.5
8 F	0207	4.8	1.5
	0902	0.1	0.0
	1530	3.9	1.2
	2049	1.9	0.6
9 Sa	0255	4.9	1.5
	0953	-0.1	0.0
	1625	4.1	1.2
	2149	1.9	0.6
10 Su	0347	4.9	1.5
	1045	-0.2	-0.1
	1722	4.2	1.3
	2253	2.0	0.6
11 M	0446	4.9	1.5
	1140	-0.2	-0.1
	1821	4.3	1.3
12 Tu	0002	2.0	0.6
	0548	4.8	1.5
	1237	0.0	0.0
	1923	4.5	1.4
13 W	0115	1.9	0.6
	0654	4.6	1.4
	1337	0.2	0.1
	2024	4.6	1.4
14 Th	0227	1.8	0.5
	0807	4.4	1.3
	1437	0.4	0.1
	2124	4.8	1.5
15 F	0340	1.5	0.5
	0919	4.3	1.3
	1539	0.7	0.2
	2223	4.9	1.5

Day	Time h m	Height ft	Height m
16 Sa	0446	1.2	0.4
	1034	4.2	1.3
	1644	1.0	0.3
	2318	5.0	1.5
17 Su	0551	0.9	0.3
	1146	4.1	1.2
	1744	1.3	0.4
18 M	0009	5.0	1.5
	0647	0.6	0.2
	1255	4.1	1.2
	1845	1.5	0.5
19 Tu	0057	4.9	1.5
	0743	0.4	0.1
	1358	4.0	1.2
	1944	1.7	0.5
20 W	0143	4.8	1.5
	0831	0.3	0.1
	1457	4.0	1.2
	2036	1.9	0.6
21 Th	0229	4.7	1.4
	0919	0.3	0.1
	1549	3.9	1.2
	2129	2.1	0.6
22 F	0311	4.5	1.4
	1004	0.3	0.1
	1638	3.9	1.2
	2217	2.3	0.7
23 Sa	0349	4.4	1.3
	1044	0.5	0.2
	1724	3.9	1.2
	2303	2.4	0.7
24 Su	0431	4.2	1.3
	1122	0.7	0.2
	1804	3.8	1.2
	2345	2.5	0.8
25 M	0510	4.1	1.2
	1156	0.8	0.2
	1848	3.9	1.2
26 Tu	0031	2.6	0.8
	0548	4.0	1.2
	1228	1.0	0.3
	1927	3.9	1.2
27 W	0115	2.6	0.8
	0633	3.8	1.2
	1300	1.2	0.4
	2008	3.9	1.2
28 Th	0200	2.6	0.8
	0719	3.7	1.1
	1332	1.3	0.4
	2047	4.0	1.2
29 F	0245	2.5	0.8
	0808	3.6	1.1
	1408	1.5	0.5
	2123	4.0	1.2
30 Sa	0328	2.3	0.7
	0900	3.5	1.1
	1446	1.6	0.5
	2158	4.1	1.2
31 Su	0410	2.0	0.6
	0953	3.4	1.0
	1524	1.7	0.5
	2228	4.1	1.2

AUGUST

Day	Time h m	Height ft	Height m
1 M	0452	1.7	0.5
	1046	3.4	1.0
	1613	1.8	0.5
	2300	4.3	1.3
2 Tu	0537	1.3	0.4
	1141	3.5	1.1
	1659	1.8	0.5
	2336	4.4	1.3
3 W	0618	0.9	0.3
	1232	3.6	1.1
	1751	1.9	0.6
4 Th	0014	4.6	1.4
	0705	0.6	0.2
	1324	3.7	1.1
	1843	1.9	0.6
5 F	0058	4.8	1.5
	0751	0.2	0.1
	1414	3.9	1.2
	1936	1.8	0.5
6 Sa	0147	4.9	1.5
	0839	0.0	0.0
	1505	4.1	1.2
	2034	1.8	0.5
7 Su	0237	5.0	1.5
	0930	-0.1	0.0
	1600	4.2	1.3
	2135	1.8	0.5
8 M	0333	5.1	1.6
	1024	-0.1	0.0
	1656	4.4	1.3
	2239	1.8	0.5
9 Tu	0431	5.0	1.5
	1120	0.0	0.0
	1753	4.5	1.4
	2347	1.7	0.5
10 W	0536	4.9	1.5
	1217	0.2	0.1
	1853	4.6	1.4
11 Th	0059	1.6	0.5
	0643	4.6	1.4
	1316	0.5	0.2
	1955	4.7	1.4
12 F	0209	1.4	0.4
	0755	4.4	1.3
	1420	0.8	0.2
	2057	4.8	1.5
13 Sa	0321	1.2	0.4
	0911	4.2	1.3
	1523	1.1	0.3
	2155	4.8	1.5
14 Su	0427	0.9	0.3
	1029	4.1	1.2
	1632	1.4	0.4
	2254	4.8	1.5
15 M	0530	0.6	0.2
	1141	4.1	1.2
	1735	1.5	0.5
	2346	4.8	1.5

Day	Time h m	Height ft	Height m
16 Tu	0630	0.4	0.1
	1247	4.0	1.2
	1837	1.7	0.5
17 W	0036	4.8	1.5
	0720	0.3	0.1
	1343	4.0	1.2
	1929	1.8	0.5
18 Th	0121	4.7	1.4
	0809	0.3	0.1
	1435	4.0	1.2
	2019	1.9	0.6
19 F	0204	4.6	1.4
	0852	0.4	0.1
	1520	3.9	1.2
	2105	2.1	0.6
20 Sa	0243	4.5	1.4
	0931	0.5	0.2
	1601	3.9	1.2
	2147	2.2	0.7
21 Su	0323	4.4	1.3
	1006	0.7	0.2
	1639	3.9	1.2
	2223	2.3	0.7
22 M	0359	4.3	1.3
	1039	0.9	0.3
	1715	3.9	1.2
	2258	2.4	0.7
23 Tu	0438	4.2	1.3
	1110	1.1	0.3
	1754	3.9	1.2
	2337	2.4	0.7
24 W	0516	4.0	1.2
	1138	1.2	0.4
	1833	3.9	1.2
25 Th	0019	2.4	0.7
	0558	3.9	1.2
	1210	1.4	0.4
	1912	3.9	1.2
26 F	0101	2.3	0.7
	0646	3.7	1.1
	1246	1.5	0.5
	1951	3.9	1.2
27 Sa	0150	2.2	0.7
	0736	3.6	1.1
	1325	1.7	0.5
	2030	3.9	1.2
28 Su	0239	2.0	0.6
	0830	3.5	1.1
	1406	1.8	0.5
	2107	4.0	1.2
29 M	0326	1.7	0.5
	0930	3.4	1.0
	1455	1.9	0.6
	2140	4.0	1.2
30 Tu	0413	1.4	0.4
	1025	3.5	1.1
	1548	2.0	0.6
	2221	4.2	1.3
31 W	0502	1.1	0.3
	1121	3.6	1.1
	1640	2.0	0.6
	2305	4.4	1.3

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0550	0.7	0.2
	1212	3.7	1.1
	1735	1.9	0.6
	2348	4.6	1.4
2 F	0639	0.4	0.1
	1302	3.9	1.2
	1831	1.9	0.6
3 Sa	0040	4.8	1.5
	0728	0.2	0.1
	1353	4.0	1.2
	1927	1.8	0.5
4 Su	0132	5.0	1.5
	0817	0.1	0.0
	1443	4.2	1.3
	2027	1.7	0.5
5 M	0227	5.1	1.6
	0910	0.1	0.0
	1535	4.4	1.3
	2127	1.6	0.5
6 Tu	0323	5.0	1.5
	1003	0.2	0.1
	1630	4.5	1.4
	2229	1.5	0.5
7 W	0422	4.9	1.5
	1058	0.4	0.1
	1725	4.6	1.4
	2335	1.4	0.4
8 Th	0527	4.7	1.4
	1157	0.7	0.2
	1825	4.6	1.4
9 F	0044	1.3	0.4
	0635	4.5	1.4
	1259	1.0	0.3
	1926	4.6	1.4
10 Sa	0153	1.1	0.3
	0748	4.3	1.3
	1403	1.3	0.4
	2026	4.6	1.4
11 Su	0302	0.9	0.3
	0905	4.1	1.2
	1514	1.5	0.5
	2129	4.6	1.4
12 M	0408	0.7	0.2
	1020	4.1	1.2
	1621	1.7	0.5
	2226	4.6	1.4
13 Tu	0506	0.6	0.2
	1129	4.1	1.2
	1726	1.8	0.5
	2320	4.6	1.4
14 W	0602	0.5	0.2
	1227	4.1	1.2
	1821	1.8	0.5
15 Th	0008	4.5	1.4
	0652	0.5	0.2
	1318	4.0	1.2
	1909	1.9	0.6

Day	Time h m	Height ft	Height m
16 F	0052	4.5	1.4
	0736	0.6	0.2
	1403	4.0	1.2
	1954	1.9	0.6
17 Sa	0134	4.5	1.4
	0815	0.7	0.2
	1441	4.0	1.2
	2035	2.0	0.6
18 Su	0213	4.4	1.3
	0850	0.8	0.2
	1516	4.0	1.2
	2108	2.1	0.6
19 M	0249	4.4	1.3
	0920	1.0	0.3
	1551	4.0	1.2
	2141	2.1	0.6
20 Tu	0327	4.3	1.3
	0949	1.2	0.4
	1624	4.0	1.2
	2215	2.1	0.6
21 W	0405	4.2	1.3
	1017	1.3	0.4
	1659	4.0	1.2
	2251	2.1	0.6
22 Th	0447	4.1	1.2
	1051	1.4	0.4
	1737	4.0	1.2
	2332	2.0	0.6
23 F	0532	3.9	1.2
	1124	1.6	0.5
	1814	4.0	1.2
24 Sa	0018	1.9	0.6
	0620	3.8	1.2
	1204	1.8	0.5
	1851	3.9	1.2
25 Su	0106	1.7	0.5
	0715	3.6	1.1
	1250	1.9	0.6
	1932	3.9	1.2
26 M	0159	1.5	0.5
	0812	3.6	1.1
	1341	2.0	0.6
	2014	4.0	1.2
27 Tu	0251	1.3	0.4
	0914	3.6	1.1
	1437	2.1	0.6
	2059	4.1	1.2
28 W	0342	1.1	0.3
	1010	3.6	1.1
	1533	2.1	0.6
	2148	4.2	1.3
29 Th	0433	0.8	0.2
	1105	3.7	1.1
	1632	2.1	0.6
	2240	4.4	1.3
30 F	0525	0.6	0.2
	1157	3.9	1.2
	1730	2.0	0.6
	2333	4.6	1.4

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0615	4.4	1.3
	1247	4.1	1.2
	1828	1.9	0.6
2 Su	0027	4.8	1.5
	0707	0.4	0.1
	1335	4.3	1.3
	1925	1.7	0.5
3 M	0123	4.9	1.5
	0758	0.4	0.1
	1424	4.5	1.4
	2022	1.5	0.5
4 Tu	0219	4.9	1.5
	0851	0.5	0.2
	1513	4.6	1.4
	2122	1.4	0.4
5 W	0318	4.8	1.5
	0943	0.7	0.2
	1605	4.7	1.4
	2223	1.2	0.4
6 Th	0418	4.7	1.4
	1039	0.9	0.3
	1659	4.7	1.4
	2326	1.1	0.3
7 F	0524	4.5	1.4
	1139	1.2	0.4
	1756	4.6	1.4
8 Sa	0029	1.0	0.3
	0633	4.3	1.3
	1244	1.5	0.5
	1856	4.5	1.4
9 Su	0135	0.8	0.2
	0746	4.2	1.3
	1352	1.7	0.5
	1956	4.5	1.4
10 M	0240	0.7	0.2
	0859	4.1	1.2
	1502	1.9	0.6
	2057	4.4	1.3
11 Tu	0339	0.7	0.2
	1008	4.1	1.2
	1609	2.0	0.6
	2156	4.4	1.3
12 W	0437	0.6	0.2
	1107	4.1	1.2
	1707	2.0	0.6
	2245	4.4	1.3
13 Th	0530	0.7	0.2
	1202	4.1	1.2
	1800	2.0	0.6
	2334	4.4	1.3
14 F	0615	0.8	0.2
	1244	4.1	1.2
	1844	2.0	0.6
15 Sa	0020	4.4	1.3
	0655	0.9	0.3
	1321	4.1	1.2
	1922	2.0	0.6

Day	Time h m	Height ft	Height m
16 Su	0059	4.3	1.3
	0729	1.0	0.3
	1357	4.1	1.2
	1957	2.0	0.6
17 M	0137	4.3	1.3
	0759	1.2	0.4
	1430	4.2	1.3
	2029	2.0	0.6
18 Tu	0216	4.3	1.3
	0828	1.3	0.4
	1502	4.2	1.3
	2101	1.9	0.6
19 W	0255	4.2	1.3
	0857	1.4	0.4
	1534	4.2	1.3
	2135	1.8	0.5
20 Th	0337	4.1	1.2
	0931	1.5	0.5
	1607	4.2	1.3
	2214	1.7	0.5
21 F	0420	4.0	1.2
	1007	1.7	0.5
	1642	4.2	1.3
	2256	1.5	0.5
22 Sa	0508	3.9	1.2
	1045	1.8	0.5
	1717	4.1	1.2
	2344	1.4	0.4
23 Su	0558	3.8	1.2
	1132	1.9	0.6
	1756	4.1	1.2
24 M	0031	1.2	0.4
	0654	3.7	1.1
	1221	2.1	0.6
	1842	4.1	1.2
25 Tu	0126	1.1	0.3
	0755	3.7	1.1
	1319	2.2	0.7
	1931	4.1	1.2
26 W	0221	0.9	0.3
	0855	3.8	1.2
	1421	2.2	0.7
	2027	4.2	1.3
27 Th	0315	0.8	0.2
	0954	3.9	1.2
	1523	2.2	0.7
	2126	4.3	1.3
28 F	0409	0.7	0.2
	1050	4.0	1.2
	1628	2.1	0.6
	2224	4.5	1.4
29 Sa	0504	0.6	0.2
	1141	4.2	1.3
	1729	2.0	0.6
	2323	4.6	1.4
30 Su	0557	0.6	0.2
	1231	4.4	1.3
	1828	1.8	0.5
31 M	0019	4.7	1.4
	0648	0.6	0.2
	1319	4.6	1.4
	1925	1.5	0.5

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0118	4.7	1.4
	0740	0.7	0.2
	1408	4.7	1.4
	2021	1.3	0.4
2 W	0217	4.7	1.4
	0833	0.9	0.3
	1456	4.8	1.5
	2119	1.1	0.3
3 Th	0317	4.6	1.4
	0929	1.2	0.4
	1545	4.8	1.5
	2219	0.9	0.3
4 F	0419	4.4	1.3
	1025	1.5	0.5
	1639	4.7	1.4
	2318	0.8	0.2
5 Sa	0526	4.3	1.3
	1126	1.7	0.5
	1731	4.6	1.4
6 Su	0018	0.7	0.2
	0631	4.1	1.2
	1232	1.9	0.6
	1828	4.5	1.4
7 M	0117	0.7	0.2
	0741	4.1	1.2
	1339	2.1	0.6
	1926	4.3	1.3
8 Tu	0214	0.7	0.2
	0846	4.0	1.2
	1446	2.2	0.7
	2022	4.3	1.3
9 W	0310	0.8	0.2
	0949	4.0	1.2
	1546	2.2	0.7
	2118	4.2	1.3
10 Th	0403	0.9	0.3
	1041	4.0	1.2
	1641	2.2	0.7
	2209	4.2	1.3
11 F	0450	1.0	0.3
	1127	4.1	1.2
	1730	2.2	0.7
	2255	4.2	1.3
12 Sa	0531	1.1	0.3
	1205	4.1	1.2
	1809	2.2	0.7
	2339	4.2	1.3
13 Su	0606	1.2	0.4
	1241	4.2	1.3
	1846	2.1	0.6
14 M	0020	4.2	1.3
	0636	1.3	0.4
	1313	4.3	1.3
	1917	2.0	0.6
15 Tu	0101	4.2	1.3
	0706	1.4	0.4
	1343	4.3	1.3
	1949	1.9	0.6

Day	Time h m	Height ft	Height m
16 W	0141	4.2	1.3
	0735	1.5	0.5
	1415	4.4	1.3
	2021	1.7	0.5
17 Th	0223	4.1	1.2
	0810	1.6	0.5
	1447	4.4	1.3
	2100	1.5	0.5
18 F	0306	4.1	1.2
	0846	1.7	0.5
	1519	4.4	1.3
	2143	1.3	0.4
19 Sa	0352	4.0	1.2
	0925	1.8	0.5
	1553	4.4	1.3
	2225	1.1	0.3
20 Su	0442	3.9	1.2
	1014	1.9	0.6
	1632	4.4	1.3
	2314	0.9	0.3
21 M	0535	3.9	1.2
	1102	2.0	0.6
	1718	4.4	1.3
22 Tu	0005	0.8	0.2
	0633	3.9	1.2
	1157	2.1	0.6
	1806	4.4	1.3
23 W	0058	0.7	0.2
	0733	3.9	1.2
	1300	2.2	0.7
	1905	4.4	1.3
24 Th	0153	0.6	0.2
	0834	4.0	1.2
	1406	2.2	0.7
	2004	4.5	1.4
25 F	0251	0.6	0.2
	0935	4.1	1.2
	1515	2.2	0.7
	2107	4.5	1.4
26 Sa	0347	0.6	0.2
	1030	4.3	1.3
	1622	2.0	0.6
	2212	4.6	1.4
27 Su	0445	0.6	0.2
	1126	4.5	1.4
	1725	1.8	0.5
	2314	4.6	1.4
28 M	0540	0.7	0.2
	1216	4.6	1.4
	1826	1.5	0.5
29 Tu	0015	4.6	1.4
	0636	0.9	0.3
	1304	4.8	1.5
	1923	1.3	0.4
30 W	0118	4.5	1.4
	0729	1.1	0.3
	1353	4.8	1.5
	2019	1.0	0.3

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0219	4.4	1.3
	0824	1.3	0.4
	1441	4.8	1.5
	2117	0.8	0.2
2 F	0320	4.3	1.3
	0919	1.6	0.5
	1529	4.8	1.5
	2210	0.7	0.2
3 Sa	0422	4.2	1.3
	1019	1.8	0.5
	1620	4.7	1.4
	2305	0.6	0.2
4 Su	0524	4.1	1.2
	1118	2.0	0.6
	1711	4.5	1.4
5 M	0001	0.6	0.2
	0625	4.0	1.2
	1220	2.2	0.7
	1801	4.4	1.3
6 Tu	0053	0.7	0.2
	0725	3.9	1.2
	1320	2.3	0.7
	1854	4.3	1.3
7 W	0147	0.8	0.2
	0825	3.9	1.2
	1420	2.4	0.7
	1946	4.2	1.3
8 Th	0238	1.0	0.3
	0920	3.9	1.2
	1515	2.4	0.7
	2038	4.1	1.2
9 F	0321	1.1	0.3
	1006	4.0	1.2
	1606	2.4	0.7
	2124	4.1	1.2
10 Sa	0403	1.2	0.4
	1048	4.0	1.2
	1649	2.4	0.7
	2211	4.0	1.2
11 Su	0439	1.4	0.4
	1121	4.1	1.2
	1728	2.3	0.7
	2257	4.0	1.2
12 M	0510	1.5	0.5
	1157	4.1	1.2
	1800	2.1	0.6
	2340	4.0	1.2
13 Tu	0542	1.5	0.5
	1228	4.2	1.3
	1836	1.9	0.6
14 W	0023	4.0	1.2
	0614	1.6	0.5
	1258	4.3	1.3
	1908	1.7	0.5
15 Th	0108	4.0	1.2
	0650	1.6	0.5
	1328	4.3	1.3
	1946	1.4	0.4

Day	Time h m	Height ft	Height m
16 F	0152	4.0	1.2
	0728	1.7	0.5
	1403	4.4	1.3
	2026	1.1	0.3
17 Sa	0238	4.0	1.2
	0810	1.7	0.5
	1436	4.5	1.4
	2109	0.9	0.3
18 Su	0326	3.9	1.2
	0855	1.8	0.5
	1516	4.6	1.4
	2155	0.7	0.2
19 M	0417	3.9	1.2
	0944	1.8	0.5
	1558	4.6	1.4
	2245	0.5	0.2
20 Tu	0510	4.0	1.2
	1036	1.9	0.6
	1649	4.7	1.4
	2337	0.4	0.1
21 W	0606	4.0	1.2
	1137	2.0	0.6
	1744	4.7	1.4
22 Th	0032	0.4	0.1
	0705	4.0	1.2
	1241	2.0	0.6
	1843	4.7	1.4
23 F	0130	0.4	0.1
	0807	4.1	1.2
	1352	2.0	0.6
	1946	4.6	1.4
24 Sa	0228	0.5	0.2
	0909	4.3	1.3
	1502	1.9	0.6
	2055	4.6	1.4
25 Su	0327	0.6	0.2
	1009	4.4	1.3
	1611	1.7	0.5
	2200	4.5	1.4
26 M	0427	0.8	0.2
	1106	4.6	1.4
	1716	1.4	0.4
	2309	4.5	1.4
27 Tu	0528	0.9	0.3
	1200	4.7	1.4
	1819	1.1	0.3
28 W	0015	4.4	1.3
	0627	1.1	0.3
	1250	4.8	1.5
	1918	0.9	0.3
29 Th	0119	4.3	1.3
	0723	1.3	0.4
	1340	4.8	1.5
	2013	0.6	0.2
30 F	0221	4.2	1.3
	0820	1.5	0.5
	1429	4.7	1.4
	2109	0.5	0.2
31 Sa	0321	4.1	1.2
	0917	1.7	0.5
	1516	4.7	1.4
	2158	0.5	0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0800	0.8	0.2	16 Su	0010	-0.4	-0.1
	1101	0.7	0.2		1529	1.0	0.3
	1642	1.4	0.4				
2 Su	0046	-0.7	-0.2	17 M	0042	-0.4	-0.1
	0846	0.9	0.3		1605	0.9	0.3
	1220	0.6	0.2				
	1748	1.2	0.4				
3 M	0139	-0.6	-0.2	18 Tu	0117	-0.3	-0.1
	0931	1.0	0.3		1015	0.6	0.2
	1344	0.6	0.2		1259	0.5	0.2
	1911	1.0	0.3		1648	0.7	0.2
4 Tu	0227	-0.5	-0.2	19 W	0149	-0.2	-0.1
	1013	1.0	0.3		1024	0.7	0.2
	1511	0.4	0.1		1422	0.4	0.1
	2051	0.8	0.2		1752	0.6	0.2
5 W	0316	-0.3	-0.1	20 Th	0223	-0.1	0.0
	1054	1.1	0.3		1030	0.7	0.2
	1634	0.2	0.1		1538	0.3	0.1
	2230	0.7	0.2		1929	0.4	0.1
6 Th	0402	-0.2	-0.1	21 F	0300	0.0	0.0
	1131	1.2	0.4		1030	0.8	0.2
	1749	0.0	0.0		1642	0.1	0.0
	2359	0.6	0.2		2310	0.3	0.1
7 F	0447	0.0	0.0	22 Sa	0341	0.1	0.0
	1207	1.2	0.4		1038	0.9	0.3
	1852	-0.2	-0.1		1739	-0.2	-0.1
8 Sa	0121	0.6	0.2	23 Su	0048	0.3	0.1
	0529	0.2	0.1		0423	0.2	0.1
	1242	1.2	0.4		1100	1.1	0.3
	1946	-0.3	-0.1		1828	-0.4	-0.1
9 Su	0236	0.6	0.2	24 M	0157	0.4	0.1
	0604	0.3	0.1		0508	0.2	0.1
	1314	1.2	0.4		1136	1.2	0.4
	2032	-0.4	-0.1		1920	-0.6	-0.2
10 M	0343	0.6	0.2	25 Tu	0257	0.4	0.1
	0636	0.4	0.1		0600	0.3	0.1
	1343	1.2	0.4		1218	1.3	0.4
	2118	-0.5	-0.2		2009	-0.8	-0.2
11 Tu	0451	0.6	0.2	26 W	0349	0.5	0.2
	0712	0.5	0.2		0649	0.3	0.1
	1405	1.1	0.3		1308	1.4	0.4
	2154	-0.5	-0.2		2057	-0.9	-0.3
12 W	1409	1.1	0.3	27 Th	0441	0.5	0.2
	2229	-0.5	-0.2		0742	0.3	0.1
					1357	1.4	0.4
					2150	-0.9	-0.3
13 Th	1417	1.1	0.3	28 F	0530	0.5	0.2
	2304	-0.5	-0.2		0844	0.3	0.1
					1449	1.3	0.4
					2236	-0.9	-0.3
14 F	1432	1.1	0.3	29 Sa	0618	0.6	0.2
	2337	-0.5	-0.2		0945	0.3	0.1
					1548	1.2	0.4
					2329	-0.8	-0.2
15 Sa	1454	1.0	0.3	30 Su	0704	0.7	0.2
					1056	0.3	0.1
					1651	1.1	0.3
				31 M	0017	-0.7	-0.2
					0753	0.7	0.2
					1210	0.3	0.1
					1803	0.9	0.3

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0106	-0.5	-0.2	16 W	0030	-0.2	-0.1
	0838	0.8	0.2		0830	0.5	0.2
	1330	0.2	0.1		1244	0.2	0.1
	1937	0.7	0.2		1712	0.5	0.2
2 W	0155	-0.4	-0.1	17 Th	0104	-0.1	0.0
	0922	0.8	0.2		0827	0.5	0.2
	1456	0.0	0.0		1353	0.1	0.0
	2117	0.6	0.2		1857	0.4	0.1
3 Th	0240	-0.2	-0.1	18 F	0141	0.1	0.0
	1004	0.9	0.3		0815	0.6	0.2
	1615	-0.1	0.0		1502	-0.1	0.0
	2248	0.5	0.2		2230	0.3	0.1
4 F	0329	0.0	0.0	19 Sa	0223	0.1	0.0
	1046	0.9	0.3		0839	0.8	0.2
	1724	-0.3	-0.1		1608	-0.2	-0.1
					2355	0.4	0.1
5 Sa	0009	0.5	0.2	20 Su	0312	0.2	0.1
	0418	0.1	0.0		0919	0.9	0.3
	1129	1.0	0.3		1707	-0.4	-0.1
	1829	-0.4	-0.1				
6 Su	0119	0.5	0.2	21 M	0054	0.4	0.1
	0500	0.2	0.1		0401	0.3	0.1
	1208	1.0	0.3		1014	1.0	0.3
	1919	-0.5	-0.2		1802	-0.6	-0.2
7 M	0225	0.5	0.2	22 Tu	0146	0.5	0.2
	0542	0.3	0.1		0457	0.3	0.1
	1243	1.0	0.3		1112	1.1	0.3
	2001	-0.5	-0.2		1854	-0.7	-0.2
8 Tu	0324	0.5	0.2	23 W	0233	0.5	0.2
	0624	0.4	0.1		0553	0.3	0.1
	1319	1.0	0.3		1204	1.2	0.4
	2043	-0.5	-0.2		1944	-0.8	-0.2
9 W	0413	0.5	0.2	24 Th	0313	0.5	0.2
	0659	0.4	0.1		0649	0.3	0.1
	1343	1.0	0.3		1303	1.2	0.4
	2116	-0.5	-0.2		2033	-0.8	-0.2
10 Th	0505	0.5	0.2	25 F	0355	0.6	0.2
	0733	0.4	0.1		0746	0.2	0.1
	1407	0.9	0.3		1359	1.2	0.4
	2151	-0.5	-0.2		2122	-0.8	-0.2
11 F	0554	0.5	0.2	26 Sa	0437	0.6	0.2
	0810	0.4	0.1		0846	0.2	0.1
	1419	0.9	0.3		1454	1.2	0.4
	2224	-0.5	-0.2		2207	-0.7	-0.2
12 Sa	0636	0.5	0.2	27 Su	0519	0.6	0.2
	0848	0.4	0.1		0946	0.1	0.0
	1430	0.9	0.3		1603	1.0	0.3
	2256	-0.4	-0.1		2256	-0.5	-0.2
13 Su	0721	0.4	0.1	28 M	0605	0.7	0.2
	0934	0.3	0.1		1052	0.1	0.0
	1456	0.8	0.2		1712	0.9	0.3
	2325	-0.4	-0.1		2342	-0.4	-0.1
14 M	0753	0.4	0.1				
	1027	0.3	0.1				
	1531	0.8	0.2				
	2358	-0.3	-0.1				
15 Tu	0817	0.4	0.1				
	1130	0.3	0.1				
	1613	0.6	0.2				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0647	0.7	0.2	16 W	0514	0.6	0.2
	1202	0.0	0.0		1129	0.1	0.0
	1838	0.7	0.2		1753	0.6	0.2
					2341	0.2	0.1
2 W	0030	-0.2	-0.1	17 Th	0505	0.6	0.2
	0733	0.8	0.2		1228	0.0	0.0
	1313	-0.1	0.0		2006	0.5	0.2
	2012	0.6	0.2				
3 Th	0116	0.0	0.0	18 F	0016	0.3	0.1
	0819	0.8	0.2		0530	0.8	0.2
	1427	-0.2	-0.1		1331	-0.1	0.0
	2140	0.6	0.2		2148	0.5	0.2
4 F	0208	0.2	0.1	19 Sa	0102	0.4	0.1
	0908	0.8	0.2		0617	0.8	0.2
	1541	-0.3	-0.1		1436	-0.3	-0.1
	2259	0.6	0.2		2300	0.6	0.2
5 Sa	0300	0.3	0.1	20 Su	0157	0.5	0.2
	0957	0.8	0.2		0713	0.9	0.3
	1645	-0.3	-0.1		1538	-0.4	-0.1
					2353	0.6	0.2
6 Su	0008	0.6	0.2	21 M	0253	0.5	0.2
	0353	0.4	0.1		0827	1.0	0.3
	1045	0.9	0.3		1638	-0.5	-0.2
	1744	-0.4	-0.1				
7 M	0107	0.6	0.2	22 Tu	0041	0.7	0.2
	0445	0.4	0.1		0359	0.5	0.2
	1131	0.9	0.3		0941	1.1	0.3
	1832	-0.4	-0.1		1732	-0.6	-0.2
8 Tu	0156	0.6	0.2	23 W	0117	0.7	0.2
	0533	0.4	0.1		0500	0.4	0.1
	1209	0.9	0.3		1056	1.1	0.3
	1914	-0.4	-0.1		1825	-0.6	-0.2
9 W	0241	0.6	0.2	24 Th	0158	0.8	0.2
	0612	0.4	0.1		0600	0.4	0.1
	1251	0.9	0.3		1203	1.2	0.4
	1953	-0.4	-0.1		1913	-0.6	-0.2
10 Th	0323	0.6	0.2	25 F	0231	0.8	0.2
	0651	0.4	0.1		0656	0.3	0.1
	1327	0.9	0.3		1308	1.2	0.4
	2025	-0.4	-0.1		2002	-0.5	-0.2
11 F	0359	0.6	0.2	26 Sa	0309	0.8	0.2
	0733	0.4	0.1		0753	0.2	0.1
	1359	0.9	0.3		1410	1.1	0.3
	2100	-0.3	-0.1		2046	-0.4	-0.1
12 Sa	0437	0.6	0.2	27 Su	0345	0.9	0.3
	0813	0.3	0.1		0853	0.1	0.0
	1424	0.8	0.2		1519	1.0	0.3
	2133	-0.2	-0.1		2132	-0.2	-0.1
13 Su	0506	0.5	0.2	28 M	0420	0.9	0.3
	0855	0.3	0.1		0951	0.0	0.0
	1452	0.8	0.2		1632	0.9	0.3
	2202	-0.2	-0.1		2217	0.0	0.0
14 M	0531	0.5	0.2	29 Tu	0455	0.9	0.3
	0941	0.2	0.1		1051	-0.1	0.0
	1524	0.7	0.2		1752	0.8	0.2
	2234	-0.1	0.0		2259	0.2	0.1
15 Tu	0543	0.5	0.2	30 W	0531	0.9	0.3
	1033	0.2	0.1		1153	-0.2	-0.1
	1623	0.6	0.2		1916	0.8	0.2
	2306	0.1	0.0		2345	0.3	0.1
				31 Th	0609	0.9	0.3
					1255	-0.2	-0.1
					2042	0.8	0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0033	0.5	0.2	16	0435	1.1	0.3
F	0652	0.9	0.3	Sa	1312	-0.3	-0.1
	1358	-0.2	-0.1		2203	0.8	0.2
	2158	0.8	0.2				
2	0132	0.6	0.2	17	0033	0.7	0.2
Sa	0742	0.9	0.3	Su	0522	1.2	0.4
	1500	-0.3	-0.1		1411	-0.4	-0.1
	2303	0.8	0.2		2255	0.9	0.3
3	0233	0.6	0.2	18	0142	0.8	0.2
Su	0842	0.9	0.3	M	0633	1.2	0.4
	1559	-0.3	-0.1		1510	-0.4	-0.1
	2359	0.8	0.2		2334	1.0	0.3
4	0337	0.6	0.2	19	0254	0.8	0.2
M	0943	0.9	0.3	Tu	0752	1.1	0.3
	1648	-0.3	-0.1		1609	-0.5	-0.2
5	0045	0.9	0.3	20	0013	1.0	0.3
Tu	0433	0.6	0.2	W	0404	0.7	0.2
	1041	0.9	0.3		0925	1.1	0.3
	1735	-0.2	-0.1		1703	-0.4	-0.1
6	0124	0.9	0.3	21	0048	1.0	0.3
W	0519	0.6	0.2	Th	0508	0.6	0.2
	1131	0.9	0.3		1051	1.1	0.3
	1816	-0.2	-0.1		1753	-0.4	-0.1
7	0155	0.8	0.2	22	0120	1.1	0.3
Th	0605	0.5	0.2	F	0611	0.4	0.1
	1219	0.9	0.3		1210	1.1	0.3
	1852	-0.2	-0.1		1839	-0.3	-0.1
8	0227	0.8	0.2	23	0152	1.1	0.3
F	0648	0.5	0.2	Sa	0709	0.3	0.1
	1301	0.9	0.3		1323	1.0	0.3
	1927	-0.1	0.0		1925	-0.1	0.0
9	0256	0.8	0.2	24	0224	1.1	0.3
Sa	0727	0.4	0.1	Su	0804	0.1	0.0
	1347	0.9	0.3		1435	1.0	0.3
	1959	0.0	0.0		2007	0.1	0.0
10	0318	0.8	0.2	25	0255	1.2	0.4
Su	0809	0.3	0.1	M	0900	0.0	0.0
	1435	0.8	0.2		1551	0.9	0.3
	2031	0.1	0.0		2049	0.3	0.1
11	0329	0.8	0.2	26	0324	1.2	0.4
M	0854	0.2	0.1	Tu	0953	-0.2	-0.1
	1526	0.8	0.2		1709	0.9	0.3
	2103	0.2	0.1		2128	0.5	0.2
12	0326	0.8	0.2	27	0349	1.2	0.4
Tu	0940	0.1	0.0	W	1049	-0.2	-0.1
	1637	0.7	0.2		1829	0.9	0.3
	2138	0.3	0.1		2207	0.6	0.2
13	0312	0.9	0.3	28	0408	1.2	0.4
W	1028	0.0	0.0	Th	1141	-0.3	-0.1
	1803	0.7	0.2		1951	0.9	0.3
	2213	0.5	0.2		2255	0.8	0.2
14	0327	1.0	0.3	29	0415	1.1	0.3
Th	1121	-0.1	0.0	F	1236	-0.3	-0.1
	1931	0.7	0.2		2107	0.9	0.3
	2248	0.6	0.2		2344	0.8	0.2
15	0353	1.1	0.3	30	0422	1.1	0.3
F	1213	-0.2	-0.1	Sa	1327	-0.3	-0.1
	2056	0.8	0.2		2210	1.0	0.3
	2330	0.7	0.2				

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0046	0.9	0.3	16	0014	0.9	0.3
Su	0437	1.1	0.3	M	0459	1.4	0.4
	1421	-0.2	-0.1		1350	-0.5	-0.2
	2259	1.0	0.3		2230	1.1	0.3
2	0156	0.9	0.3	17	0133	0.9	0.3
M	0512	1.0	0.3	Tu	0611	1.3	0.4
	1505	-0.2	-0.1		1446	-0.5	-0.2
	2340	1.0	0.3		2303	1.2	0.4
3	0309	0.8	0.2	18	0253	0.9	0.3
Tu	0609	0.9	0.3	W	0737	1.2	0.4
	1551	-0.1	0.0		1539	-0.4	-0.1
					2337	1.2	0.4
4	0013	1.0	0.3	19	0411	0.7	0.2
W	0413	0.8	0.2	Th	0923	1.1	0.3
	0740	0.9	0.3		1630	-0.3	-0.1
	1633	-0.1	0.0				
5	0043	1.1	0.3	20	0012	1.3	0.4
Th	0508	0.7	0.2	F	0518	0.5	0.2
	1017	0.8	0.2		1059	1.0	0.3
	1713	0.0	0.0		1718	-0.2	-0.1
6	0109	1.1	0.3	21	0043	1.3	0.4
F	0554	0.6	0.2	Sa	0621	0.3	0.1
	1133	0.8	0.2		1229	1.0	0.3
	1749	0.0	0.0		1800	0.0	0.0
7	0131	1.1	0.3	22	0115	1.4	0.4
Sa	0638	0.5	0.2	Su	0718	0.1	0.0
	1239	0.8	0.2		1348	0.9	0.3
	1824	0.1	0.0		1843	0.2	0.1
8	0150	1.1	0.3	23	0146	1.4	0.4
Su	0720	0.4	0.1	M	0814	0.0	0.0
	1341	0.8	0.2		1506	0.9	0.3
	1859	0.2	0.1		1925	0.4	0.1
9	0158	1.1	0.3	24	0211	1.4	0.4
M	0803	0.2	0.1	Tu	0906	-0.2	-0.1
	1450	0.8	0.2		1622	0.9	0.3
	1931	0.4	0.1		2004	0.6	0.2
10	0152	1.1	0.3	25	0236	1.4	0.4
Tu	0845	0.0	0.0	W	0953	-0.3	-0.1
	1603	0.8	0.2		1741	0.9	0.3
	2007	0.5	0.2		2042	0.8	0.2
11	0200	1.2	0.4	26	0251	1.4	0.4
W	0931	-0.1	0.0	Th	1043	-0.3	-0.1
	1717	0.8	0.2		1901	1.0	0.3
	2042	0.6	0.2		2110	0.9	0.3
12	0216	1.3	0.4	27	0255	1.3	0.4
Th	1020	-0.2	-0.1	F	1129	-0.3	-0.1
	1834	0.8	0.2				
	2120	0.7	0.2				
13	0243	1.4	0.4	28	0255	1.3	0.4
F	1107	-0.4	-0.1	Sa	1211	-0.3	-0.1
	1950	0.9	0.3				
	2203	0.8	0.2				
14	0321	1.4	0.4	29	0314	1.3	0.4
Sa	1201	-0.4	-0.1	Su	1256	-0.2	-0.1
	2055	1.0	0.3				
	2302	0.9	0.3				
15	0406	1.4	0.4	30	0337	1.2	0.4
Su	1253	-0.5	-0.2	M	1337	-0.2	-0.1
	2148	1.0	0.3		2243	1.1	0.3
				31	0103	1.0	0.3
				Tu	0412	1.1	0.3
					1420	-0.1	0.0
					2318	1.1	0.3

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0231	0.9	0.3	16	0250	0.8	0.2
W	0451	1.0	0.3	Th	0748	1.1	0.3
	1500	-0.1	0.0		1508	-0.3	-0.1
	2343	1.1	0.3		2257	1.3	0.4
2	0344	0.8	0.2	17	0412	0.6	0.2
Th	0557	0.9	0.3	F	0939	1.0	0.3
	1535	0.0	0.0		1557	-0.1	0.0
					2333	1.4	0.4
3	0005	1.1	0.3	18	0525	0.4	0.1
F	0450	0.7	0.2	Sa	1121	0.9	0.3
	0726	0.8	0.2		1643	0.1	0.0
	1614	0.1	0.0				
4	0024	1.2	0.4	19	0005	1.4	0.4
Sa	0541	0.6	0.2	Su	0629	0.1	0.0
	1030	0.7	0.2		1248	0.8	0.2
	1649	0.2	0.1		1729	0.3	0.1
5	0035	1.2	0.4	20	0039	1.5	0.5
Su	0624	0.4	0.1	M	0725	-0.1	0.0
	1230	0.7	0.2		1412	0.8	0.2
	1725	0.3	0.1		1810	0.5	0.2
6	0041	1.2	0.4	21	0109	1.5	0.5
M	0706	0.2	0.1	Tu	0815	-0.2	-0.1
	1351	0.7	0.2		1528	0.9	0.3
	1800	0.4	0.1		1845	0.7	0.2
7	0045	1.3	0.4	22	0136	1.5	0.5
Tu	0748	0.0	0.0	W	0903	-0.3	-0.1
	1508	0.7	0.2		1643	0.9	0.3
	1835	0.5	0.2		1927	0.8	0.2
8	0050	1.4	0.4	23	0158	1.5	0.5
W	0830	-0.2	-0.1	Th	0946	-0.4	-0.1
	1622	0.8	0.2		1757	0.9	0.3
	1910	0.7	0.2		1959	0.8	0.2
9	0111	1.5	0.5	24	0213	1.4	0.4
Th	0915	-0.3	-0.1	F	1028	-0.4	-0.1
	1728	0.8	0.2				
	1953	0.7	0.2				
10	0142	1.6	0.5	25	0210	1.4	0.4
F	1001	-0.5	-0.2	Sa	1107	-0.3	-0.1
11	0222	1.6	0.5	26	0221	1.3	0.4
Sa	1050	-0.5	-0.2	Su	1146	-0.3	-0.1
12	0305	1.6	0.5	27	0243	1.3	0.4
Su	1142	-0.6	-0.2	M	1221	-0.2	-0.1
	2024	1.0	0.3				
	2243	0.9	0.3				
13	0357	1.5	0.5	28	0312	1.2	0.4
M	1233	-0.6	-0.2	Tu	1259	-0.2	-0.1
	2103	1.1	0.3				
14	0002	1.0	0.3	29	0347	1.2	0.4
Tu	0500	1.4	0.4	W	1333	-0.1	0.0
	1326	-0.5	-0.2		2236	1.1	0.3
	2144	1.2	0.4				
15	0127	0.9	0.3	30	0142	0.9	0.3
W	0605	1.3	0.4	Th	0425	1.0	0.3
	1419	-0.4	-0.1		1407	0.0	0.0
	2221	1.3	0.4		2257	1.1	0.3

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0304	0.8	0.2
	0518	0.9	0.3
	1443	0.1	0.0
	2313	1.1	0.3
2 Sa	0413	0.6	0.2
	0631	0.7	0.2
	1518	0.2	0.1
	2323	1.2	0.4
3 Su	0513	0.5	0.2
	1102	0.6	0.2
	1553	0.3	0.1
	2326	1.2	0.4
4 M	0558	0.3	0.1
	1248	0.6	0.2
	1629	0.4	0.1
	2327	1.3	0.4
5 Tu	0644	0.1	0.0
	1404	0.7	0.2
	1711	0.5	0.2
	2340	1.4	0.4
6 W	0726	-0.1	0.0
	1514	0.7	0.2
	1749	0.6	0.2
7 Th	0008	1.5	0.5
	0811	-0.3	-0.1
	1618	0.8	0.2
	1836	0.7	0.2
8 F	0044	1.6	0.5
	0857	-0.5	-0.2
	1707	0.9	0.3
	1924	0.8	0.2
9 Sa	0129	1.7	0.5
	0942	-0.6	-0.2
	1759	0.9	0.3
	2023	0.8	0.2
10 Su	0214	1.7	0.5
	1030	-0.6	-0.2
	1845	1.0	0.3
	2125	0.9	0.3
11 M	0304	1.6	0.5
	1119	-0.6	-0.2
	1930	1.1	0.3
	2235	0.9	0.3
12 Tu	0359	1.5	0.5
	1209	-0.5	-0.2
	2012	1.1	0.3
	2352	0.8	0.2
13 W	0505	1.4	0.4
	1258	-0.4	-0.1
	2054	1.2	0.4
14 Th	0115	0.8	0.2
	0627	1.2	0.4
	1347	-0.3	-0.1
	2133	1.3	0.4
15 F	0241	0.6	0.2
	0817	1.0	0.3
	1437	-0.1	0.0
	2212	1.4	0.4
16 Sa	0403	0.4	0.1
	1007	0.9	0.3
	1525	0.1	0.0
	2249	1.4	0.4
17 Su	0519	0.2	0.1
	1142	0.8	0.2
	1610	0.3	0.1
	2328	1.5	0.5
18 M	0619	0.0	0.0
	1304	0.9	0.3
	1659	0.5	0.2
19 Tu	0006	1.5	0.5
	0718	-0.2	-0.1
	1423	0.9	0.3
	1741	0.7	0.2
20 W	0039	1.5	0.5
	0803	-0.3	-0.1
	1530	0.9	0.3
	1823	0.8	0.2
21 Th	0109	1.5	0.5
	0848	-0.3	-0.1
	1632	1.0	0.3
	1858	0.9	0.3
22 F	0134	1.5	0.5
	0929	-0.3	-0.1
	1734	1.0	0.3
	1937	0.9	0.3
23 Sa	0157	1.4	0.4
	1006	-0.3	-0.1
24 Su	0201	1.4	0.4
	1040	-0.2	-0.1
25 M	0209	1.3	0.4
	1112	-0.2	-0.1
26 Tu	0231	1.3	0.4
	1142	-0.1	0.0
27 W	0259	1.2	0.4
	1215	0.0	0.0
	2114	1.0	0.3
	2346	0.9	0.3
28 Th	0338	1.1	0.3
	1246	0.1	0.0
	2135	1.0	0.3
29 F	0105	0.9	0.3
	0420	1.0	0.3
	1319	0.2	0.1
	2149	1.1	0.3
30 Sa	0222	0.7	0.2
	0517	0.8	0.2
	1351	0.3	0.1
	2159	1.1	0.3
31 Su	0335	0.6	0.2
	0649	0.7	0.2
	1426	0.4	0.1
	2159	1.2	0.4

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0430	0.4	0.1
	1147	0.7	0.2
	1504	0.5	0.2
	2154	1.3	0.4
2 Tu	0522	0.2	0.1
	1306	0.7	0.2
	1549	0.6	0.2
	2218	1.4	0.4
3 W	0611	0.0	0.0
	1411	0.8	0.2
	1635	0.7	0.2
	2254	1.5	0.5
4 Th	0657	-0.2	-0.1
	1457	0.9	0.3
	1727	0.8	0.2
	2337	1.7	0.5
5 F	0742	-0.3	-0.1
	1543	0.9	0.3
	1822	0.8	0.2
6 Sa	0028	1.7	0.5
	0829	-0.4	-0.1
	1624	1.0	0.3
	1918	0.8	0.2
7 Su	0120	1.8	0.5
	0917	-0.5	-0.2
	1707	1.0	0.3
	2021	0.8	0.2
8 M	0213	1.7	0.5
	1005	-0.5	-0.2
	1747	1.1	0.3
	2125	0.8	0.2
9 Tu	0312	1.6	0.5
	1051	-0.4	-0.1
	1828	1.1	0.3
	2232	0.7	0.2
10 W	0414	1.5	0.5
	1138	-0.3	-0.1
	1910	1.2	0.4
	2346	0.7	0.2
11 Th	0530	1.3	0.4
	1227	-0.1	0.0
	1954	1.3	0.4
12 F	0103	0.6	0.2
	0706	1.1	0.3
	1313	0.1	0.0
	2036	1.4	0.4
13 Sa	0226	0.4	0.1
	0852	1.0	0.3
	1402	0.3	0.1
	2121	1.4	0.4
14 Su	0345	0.3	0.1
	1028	1.0	0.3
	1452	0.5	0.2
	2205	1.5	0.5
15 M	0454	0.1	0.0
	1154	1.0	0.3
	1545	0.7	0.2
	2250	1.5	0.5
16 Tu	0558	0.0	0.0
	1306	1.0	0.3
	1637	0.8	0.2
	2333	1.5	0.5
17 W	0649	-0.1	0.0
	1412	1.1	0.3
	1723	0.9	0.3
18 Th	0012	1.5	0.5
	0737	-0.2	-0.1
	1507	1.1	0.3
	1811	0.9	0.3
19 F	0051	1.5	0.5
	0818	-0.1	0.0
	1559	1.1	0.3
	1853	1.0	0.3
20 Sa	0123	1.5	0.5
	0856	-0.1	0.0
	1642	1.1	0.3
	1934	1.0	0.3
21 Su	0151	1.4	0.4
	0929	-0.1	0.0
	1727	1.1	0.3
	2013	1.0	0.3
22 M	0206	1.4	0.4
	1000	0.0	0.0
	1806	1.1	0.3
	2057	1.0	0.3
23 Tu	0217	1.3	0.4
	1029	0.1	0.0
	1844	1.1	0.3
	2145	0.9	0.3
24 W	0237	1.3	0.4
	1057	0.2	0.1
	1916	1.0	0.3
	2236	0.9	0.3
25 Th	0304	1.2	0.4
	1126	0.3	0.1
	1939	1.1	0.3
	2338	0.8	0.2
26 F	0346	1.1	0.3
	1157	0.4	0.1
	1953	1.1	0.3
27 Sa	0041	0.7	0.2
	0442	0.9	0.3
	1229	0.5	0.2
	1940	1.1	0.3
28 Su	0148	0.6	0.2
	0903	0.8	0.2
	1257	0.7	0.2
	1915	1.2	0.4
29 M	0249	0.5	0.2
	1055	0.8	0.2
	1339	0.7	0.2
	1940	1.3	0.4
30 Tu	0351	0.3	0.1
	1212	0.9	0.3
	1428	0.8	0.2
	2024	1.4	0.4
31 W	0446	0.1	0.0
	1308	1.0	0.3
	1524	0.9	0.3
	2124	1.6	0.5

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0539	0.0	0.0
	1346	1.0	0.3
	1623	0.9	0.3
	2220	1.7	0.5
2 F	0627	-0.2	-0.1
	1425	1.1	0.3
	1722	0.9	0.3
	2321	1.7	0.5
3 Sa	0713	-0.2	-0.1
	1459	1.1	0.3
	1822	0.9	0.3
4 Su	0019	1.8	0.5
	0800	-0.3	-0.1
	1534	1.2	0.4
	1922	0.8	0.2
5 M	0118	1.7	0.5
	0845	-0.2	-0.1
	1607	1.2	0.4
	2024	0.8	0.2
6 Tu	0221	1.7	0.5
	0931	-0.1	0.0
	1646	1.3	0.4
	2125	0.7	0.2
7 W	0324	1.6	0.5
	1017	0.0	0.0
	1725	1.4	0.4
	2233	0.6	0.2
8 Th	0442	1.4	0.4
	1101	0.2	0.1
	1806	1.4	0.4
	2342	0.5	0.2
9 F	0609	1.3	0.4
	1150	0.4	0.1
	1848	1.5	0.5
10 Sa	0051	0.4	0.1
	0747	1.2	0.4
	1239	0.6	0.2
	1930	1.5	0.5
11 Su	0203	0.3	0.1
	0921	1.1	0.3
	1328	0.8	0.2
	2021	1.5	0.5
12 M	0316	0.2	0.1
	1043	1.2	0.4
	1423	0.9	0.3
	2110	1.5	0.5
13 Tu	0422	0.1	0.0
	1155	1.2	0.4
	1522	1.0	0.3
	2206	1.5	0.5
14 W	0521	0.0	0.0
	1254	1.3	0.4
	1621	1.1	0.3
	2254	1.5	0.5
15 Th	0612	0.0	0.0
	1345	1.3	0.4
	1717	1.1	0.3
	2343	1.5	0.5
16 F	0654	0.1	0.0
	1428	1.3	0.4
	1806	1.1	0.3
17 Sa	0028	1.5	0.5
	0731	0.1	0.0
	1510	1.3	0.4
	1848	1.0	0.3
18 Su	0103	1.5	0.5
	0807	0.1	0.0
	1545	1.3	0.4
	1930	1.0	0.3
19 M	0142	1.4	0.4
	0836	0.2	0.1
	1618	1.2	0.4
	2013	1.0	0.3
20 Tu	0211	1.3	0.4
	0908	0.3	0.1
	1649	1.2	0.4
	2059	0.9	0.3
21 W	0239	1.3	0.4
	0937	0.4	0.1
	1711	1.2	0.4
	2145	0.8	0.2
22 Th	0318	1.2	0.4
	1005	0.5	0.2
	1725	1.2	0.4
	2234	0.8	0.2
23 F	0413	1.1	0.3
	1033	0.7	0.2
	1704	1.2	0.4
	2327	0.7	0.2
24 Sa	0628	1.0	0.3
	1101	0.8	0.2
	1642	1.3	0.4
25 Su	0022	0.5	0.2
	0833	1.0	0.3
	1133	0.9	0.3
	1657	1.4	0.4
26 M	0121	0.4	0.1
	1009	1.1	0.3
	1209	1.0	0.3
	1735	1.5	0.5
27 Tu	0220	0.3	0.1
	1825	1.6	0.5
28 W	0319	0.2	0.1
	1922	1.6	0.5
29 Th	0411	0.1	0.0
	1245	1.2	0.4
	1515	1.1	0.3
	2043	1.7	0.5
30 F	0503	0.0	0.0
	1314	1.3	0.4
	1625	1.1	0.3
	2156	1.7	0.5

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0556	-0.1	0.0
	1345	1.3	0.4
	1730	1.0	0.3
	2310	1.7	0.5
2 Su	0642	-0.1	0.0
	1413	1.4	0.4
	1829	0.9	0.3
3 M	0021	1.7	0.5
	0728	0.0	0.0
	1443	1.4	0.4
	1929	0.8	0.2
4 Tu	0127	1.6	0.5
	0811	0.1	0.0
	1515	1.5	0.5
	2029	0.6	0.2
5 W	0239	1.5	0.5
	0855	0.3	0.1
	1549	1.5	0.5
	2132	0.5	0.2
6 Th	0355	1.4	0.4
	0937	0.4	0.1
	1624	1.6	0.5
	2231	0.4	0.1
7 F	0520	1.3	0.4
	1019	0.6	0.2
	1700	1.6	0.5
	2336	0.3	0.1
8 Sa	0650	1.2	0.4
	1104	0.8	0.2
	1735	1.6	0.5
9 Su	0039	0.2	0.1
	0819	1.2	0.4
	1153	1.0	0.3
	1814	1.6	0.5
10 M	0141	0.1	0.0
	0942	1.3	0.4
	1249	1.1	0.3
	1854	1.5	0.5
11 Tu	0244	0.1	0.0
	1051	1.3	0.4
	1351	1.2	0.4
	1953	1.5	0.5
12 W	0343	0.1	0.0
	1150	1.4	0.4
	1500	1.2	0.4
	2100	1.5	0.5
13 Th	0434	0.1	0.0
	1232	1.4	0.4
	1609	1.2	0.4
	2205	1.4	0.4
14 F	0519	0.1	0.0
	1314	1.4	0.4
	1706	1.2	0.4
	2300	1.4	0.4
15 Sa	0601	0.2	0.1
	1346	1.4	0.4
	1759	1.1	0.3
	2352	1.4	0.4

Day	Time h m	Height ft	Height m
16 Su	0635	0.3	0.1
	1418	1.4	0.4
	1845	1.0	0.3
17 M	0041	1.3	0.4
	0707	0.3	0.1
	1450	1.4	0.4
	1927	0.9	0.3
18 Tu	0130	1.3	0.4
	0739	0.4	0.1
	1510	1.4	0.4
	2012	0.8	0.2
19 W	0219	1.2	0.4
	0807	0.5	0.2
	1529	1.4	0.4
	2055	0.7	0.2
20 Th	0321	1.1	0.3
	0839	0.6	0.2
	1530	1.4	0.4
	2140	0.6	0.2
21 F	0437	1.1	0.3
	0904	0.8	0.2
	1512	1.4	0.4
	2225	0.5	0.2
22 Sa	0605	1.1	0.3
	0936	0.9	0.3
	1511	1.5	0.5
	2314	0.3	0.1
23 Su	0742	1.1	0.3
	1005	1.0	0.3
	1529	1.6	0.5
24 M	0006	0.2	0.1
	1605	1.6	0.5
25 Tu	0059	0.1	0.0
	1651	1.7	0.5
26 W	0153	0.0	0.0
	1746	1.7	0.5
27 Th	0250	0.0	0.0
	1141	1.3	0.4
	1359	1.2	0.4
	1855	1.6	0.5
28 F	0341	-0.1	0.0
	1206	1.4	0.4
	1521	1.2	0.4
	2015	1.6	0.5
29 Sa	0432	-0.1	0.0
	1235	1.4	0.4
	1630	1.1	0.3
	2147	1.5	0.5
30 Su	0521	0.0	0.0
	1303	1.5	0.5
	1739	0.9	0.3
	2313	1.5	0.5
31 M	0608	0.0	0.0
	1332	1.5	0.5
	1840	0.7	0.2

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0033	1.4	0.4
	0650	0.2	0.1
	1400	1.6	0.5
	1939	0.5	0.2
2 W	0152	1.3	0.4
	0730	0.3	0.1
	1432	1.6	0.5
	2038	0.3	0.1
3 Th	0313	1.2	0.4
	0812	0.5	0.2
	1500	1.7	0.5
	2136	0.2	0.1
4 F	0435	1.2	0.4
	0855	0.7	0.2
	1529	1.7	0.5
	2232	0.1	0.0
5 Sa	0559	1.2	0.4
	0933	0.9	0.3
	1554	1.7	0.5
	2328	0.0	0.0
6 Su	0722	1.2	0.4
	1018	1.1	0.3
	1619	1.6	0.5
7 M	0022	0.0	0.0
	0847	1.2	0.4
	1104	1.1	0.3
	1643	1.6	0.5
8 Tu	0116	0.0	0.0
	0957	1.3	0.4
	1159	1.2	0.4
	1703	1.5	0.5
9 W	0211	0.0	0.0
	1049	1.3	0.4
	1312	1.2	0.4
	1730	1.4	0.4
10 Th	0259	0.0	0.0
	1130	1.3	0.4
	1428	1.2	0.4
	1811	1.3	0.4
11 F	0344	0.1	0.0
	1206	1.4	0.4
	1545	1.1	0.3
	1921	1.2	0.4
12 Sa	0425	0.1	0.0
	1235	1.4	0.4
	1652	1.1	0.3
	2130	1.2	0.4
13 Su	0502	0.2	0.1
	1305	1.4	0.4
	1748	1.0	0.3
	2303	1.1	0.3
14 M	0534	0.2	0.1
	1328	1.4	0.4
	1836	0.8	0.2
15 Tu	0012	1.0	0.3
	0608	0.3	0.1
	1349	1.4	0.4
	1920	0.7	0.2

Day	Time h m	Height ft	Height m
16 W	0121	1.0	0.3
	0640	0.4	0.1
	1402	1.4	0.4
	2000	0.5	0.2
17 Th	0234	0.9	0.3
	0711	0.6	0.2
	1406	1.4	0.4
	2042	0.4	0.1
18 F	0349	0.9	0.3
	0740	0.7	0.2
	1400	1.5	0.5
	2125	0.2	0.1
19 Sa	0511	0.9	0.3
	0809	0.8	0.2
	1408	1.5	0.5
	2210	0.1	0.0
20 Su	1430	1.6	0.5
	2259	-0.1	0.0
21 M	1458	1.6	0.5
	2347	-0.2	-0.1
22 Tu	1541	1.7	0.5
23 W	0036	-0.3	-0.1
	1632	1.6	0.5
24 Th	0129	-0.3	-0.1
	1027	1.2	0.4
	1230	1.1	0.3
	1728	1.6	0.5
25 F	0222	-0.3	-0.1
	1055	1.2	0.4
	1356	1.1	0.3
	1837	1.4	0.4
26 Sa	0312	-0.3	-0.1
	1125	1.3	0.4
	1520	1.0	0.3
	2009	1.3	0.4
27 Su	0401	-0.2	-0.1
	1153	1.4	0.4
	1639	0.8	0.2
	2152	1.2	0.4
28 M	0448	-0.1	0.0
	1223	1.4	0.4
	1747	0.6	0.2
	2333	1.1	0.3
29 Tu	0530	0.1	0.0
	1253	1.5	0.5
	1851	0.3	0.1
30 W	0103	1.0	0.3
	0613	0.2	0.1
	1322	1.5	0.5
	1947	0.1	0.0

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0227	0.9	0.3
	0655	0.4	0.1
	1354	1.6	0.5
	2043	-0.1	0.0
2 F	0345	0.9	0.3
	0737	0.6	0.2
	1419	1.6	0.5
	2135	-0.2	-0.1
3 Sa	0505	0.9	0.3
	0812	0.8	0.2
	1448	1.6	0.5
	2227	-0.3	-0.1
4 Su	0624	1.0	0.3
	0847	0.9	0.3
	1509	1.5	0.5
	2315	-0.3	-0.1
5 M	1524	1.5	0.5
6 Tu	0005	-0.3	-0.1
	1539	1.4	0.4
7 W	0050	-0.3	-0.1
	1601	1.3	0.4
8 Th	0134	-0.2	-0.1
	1627	1.2	0.4
9 F	0215	-0.2	-0.1
	1105	1.1	0.3
	1340	1.0	0.3
	1659	1.1	0.3
10 Sa	0252	-0.1	0.0
	1130	1.1	0.3
	1504	0.9	0.3
	1750	1.0	0.3
11 Su	0329	0.0	0.0
	1156	1.1	0.3
	1628	0.8	0.2
	1839	0.9	0.3
12 M	0401	0.0	0.0
	1217	1.2	0.4
	1727	0.6	0.2
	2039	0.7	0.2
13 Tu	0436	0.1	0.0
	1235	1.2	0.4
	1821	0.5	0.2
14 W	0007	0.7	0.2
	0512	0.2	0.1
	1248	1.2	0.4
	1900	0.3	0.1
15 Th	0131	0.6	0.2
	0543	0.3	0.1
	1253	1.2	0.4
	1942	0.1	0.0

Day	Time h m	Height ft	Height m
16 F	0248	0.6	0.2
	0619	0.4	0.1
	1257	1.3	0.4
	2024	-0.1	0.0
17 Sa	0357	0.6	0.2
	0648	0.5	0.2
	1311	1.4	0.4
	2106	-0.3	-0.1
18 Su	0512	0.7	0.2
	0723	0.6	0.2
	1336	1.5	0.5
	2151	-0.4	-0.1
19 M	1409	1.5	0.5
	2237	-0.5	-0.2
20 Tu	1449	1.5	0.5
	2325	-0.6	-0.2
21 W	1538	1.5	0.5
22 Th	0013	-0.6	-0.2
	0853	0.9	0.3
	1104	0.8	0.2
	1630	1.4	0.4
23 F	0105	-0.6	-0.2
	0930	0.9	0.3
	1225	0.8	0.2
	1732	1.3	0.4
24 Sa	0153	-0.5	-0.2
	1003	1.0	0.3
	1352	0.7	0.2
	1851	1.1	0.3
25 Su	0244	-0.4	-0.1
	1036	1.1	0.3
	1519	0.6	0.2
	2034	0.9	0.3
26 M	0331	-0.3	-0.1
	1109	1.2	0.4
	1638	0.3	0.1
	2227	0.8	0.2
27 Tu	0416	-0.1	0.0
	1142	1.3	0.4
	1754	0.1	0.0
28 W	0004	0.7	0.2
	0502	0.0	0.0
	1216	1.3	0.4
	1853	-0.1	0.0
29 Th	0129	0.7	0.2
	0547	0.2	0.1
	1251	1.4	0.4
	1951	-0.3	-0.1
30 F	0248	0.7	0.2
	0626	0.4	0.1
	1323	1.4	0.4
	2041	-0.5	-0.2
31 Sa	0400	0.7	0.2
	0704	0.5	0.2
	1354	1.4	0.4
	2129	-0.5	-0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

PUNTA GORDA, VENEZUELA, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0045	-1.6	-0.5	16	0052	-0.7	-0.2
Sa	0642	6.6	2.0	Su	0634	5.6	1.7
	1300	0.0	0.0		1301	0.5	0.2
	1839	7.3	2.2		1834	6.3	1.9
2	0132	-1.4	-0.4	17	0127	-0.5	-0.2
Su	0730	6.5	2.0	M	0705	5.7	1.7
	1350	0.0	0.0		1333	0.5	0.2
	1928	7.1	2.2		1909	6.2	1.9
3	0221	-1.2	-0.4	18	0202	-0.3	-0.1
M	0818	6.3	1.9	Tu	0738	5.7	1.7
	1444	0.2	0.1		1409	0.6	0.2
	2020	6.6	2.0		1945	6.1	1.9
4	0313	-0.7	-0.2	19	0236	-0.1	0.0
Tu	0908	6.1	1.9	W	0815	5.7	1.7
	1539	0.3	0.1		1447	0.7	0.2
	2113	6.1	1.9		2025	5.8	1.8
5	0406	-0.3	-0.1	20	0313	0.2	0.1
W	1003	5.9	1.8	Th	0855	5.7	1.7
	1639	0.5	0.2		1534	0.7	0.2
	2213	5.6	1.7		2113	5.5	1.7
6	0504	0.2	0.1	21	0401	0.6	0.2
Th	1059	5.7	1.7	F	0942	5.6	1.7
	1741	0.5	0.2		1633	0.8	0.2
	2320	5.2	1.6		2209	5.1	1.6
7	0604	0.5	0.2	22	0457	0.9	0.3
F	1202	5.6	1.7	Sa	1037	5.5	1.7
	1844	0.4	0.1		1747	0.7	0.2
					2316	4.8	1.5
8	0034	4.9	1.5	23	0609	1.1	0.3
Sa	0706	0.7	0.2	Su	1138	5.5	1.7
	1304	5.6	1.7		1859	0.4	0.1
	1945	0.2	0.1				
9	0145	4.9	1.5	24	0036	4.7	1.4
Su	0805	0.8	0.2	M	0720	1.1	0.3
	1403	5.6	1.7		1248	5.5	1.7
	2042	0.0	0.0		2008	0.0	0.0
10	0250	5.0	1.5	25	0157	4.9	1.5
M	0858	0.8	0.2	Tu	0826	0.9	0.3
	1455	5.8	1.8		1401	5.8	1.8
	2131	-0.3	-0.1		2109	-0.6	-0.2
11	0338	5.1	1.6	26	0307	5.2	1.6
Tu	0946	0.7	0.2	W	0927	0.5	0.2
	1541	5.9	1.8		1506	6.2	1.9
	2218	-0.5	-0.2		2204	-1.1	-0.3
12	0423	5.3	1.6	27	0407	5.6	1.7
W	1031	0.6	0.2	Th	1020	0.1	0.0
	1620	6.1	1.9		1602	6.6	2.0
	2300	-0.7	-0.2		2255	-1.6	-0.5
13	0500	5.4	1.6	28	0458	6.0	1.8
Th	1111	0.5	0.2	F	1111	-0.3	-0.1
	1655	6.2	1.9		1656	6.9	2.1
	2339	-0.8	-0.2		2343	-1.9	-0.6
14	0532	5.5	1.7	29	0545	6.3	1.9
F	1149	0.4	0.1	Sa	1159	-0.6	-0.2
	1730	6.3	1.9		1745	7.1	2.2
15	0016	-0.8	-0.2	30	0029	-1.9	-0.6
Sa	0603	5.6	1.7	Su	0629	6.5	2.0
	1226	0.4	0.1		1246	-0.8	-0.2
	1802	6.3	1.9		1831	7.1	2.2
				31	0114	-1.8	-0.5
				M	0714	6.5	2.0
					1333	-0.8	-0.2
					1917	6.9	2.1

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0159	-1.5	-0.5	16	0133	-0.6	-0.2
Tu	0754	6.4	2.0	W	0710	5.9	1.8
	1422	-0.7	-0.2		1345	-0.1	0.0
	2004	6.5	2.0		1926	6.1	1.9
2	0247	-1.0	-0.3	17	0204	-0.3	-0.1
W	0838	6.2	1.9	Th	0745	6.0	1.8
	1510	-0.5	-0.2		1418	-0.1	0.0
	2050	6.0	1.8		2004	5.9	1.8
3	0334	-0.4	-0.1	18	0239	0.0	0.0
Th	0924	5.9	1.8	F	0821	6.0	1.8
	1606	-0.2	-0.1		1500	0.0	0.0
	2142	5.4	1.6		2049	5.5	1.7
4	0425	0.1	0.0	19	0318	0.4	0.1
F	1011	5.5	1.7	Sa	0905	5.8	1.8
	1702	0.1	0.0		1555	0.2	0.1
	2238	4.9	1.5		2140	5.1	1.6
5	0524	0.6	0.2	20	0414	0.8	0.2
Sa	1106	5.2	1.6	Su	0957	5.6	1.7
	1804	0.2	0.1		1707	0.3	0.1
	2345	4.5	1.4		2246	4.7	1.4
6	0625	1.0	0.3	21	0531	1.2	0.4
Su	1209	5.0	1.5	M	1100	5.4	1.6
	1907	0.2	0.1		1828	0.3	0.1
7	0102	4.3	1.3	22	0009	4.5	1.4
M	0729	1.1	0.3	Tu	0656	1.2	0.4
	1316	5.0	1.5		1219	5.3	1.6
	2009	0.1	0.0		1944	-0.1	0.0
8	0216	4.4	1.3	23	0137	4.6	1.4
Tu	0829	1.0	0.3	W	0808	0.9	0.3
	1421	5.1	1.6		1341	5.5	1.7
	2104	-0.1	0.0		2050	-0.6	-0.2
9	0314	4.6	1.4	24	0253	5.1	1.6
W	0922	0.8	0.2	Th	0911	0.4	0.1
	1515	5.3	1.6		1453	5.9	1.8
	2154	-0.4	-0.1		2147	-1.1	-0.3
10	0402	4.8	1.5	25	0354	5.6	1.7
Th	1010	0.5	0.2	F	1007	-0.2	-0.1
	1602	5.6	1.7		1555	6.3	1.9
	2237	-0.6	-0.2		2239	-1.5	-0.5
11	0439	5.1	1.6	26	0444	6.1	1.9
F	1052	0.3	0.1	Sa	1057	-0.7	-0.2
	1639	5.8	1.8		1648	6.7	2.0
	2319	-0.8	-0.2		2326	-1.8	-0.5
12	0513	5.3	1.6	27	0528	6.5	2.0
Sa	1130	0.1	0.0	Su	1143	-1.1	-0.3
	1713	6.0	1.8		1734	6.9	2.1
	2354	-0.9	-0.3				
13	0542	5.5	1.7	28	0009	-1.9	-0.6
Su	1206	0.0	0.0	M	0609	6.7	2.0
	1747	6.1	1.9		1229	-1.3	-0.4
					1818	7.0	2.1
14	0029	-0.9	-0.3				
M	0610	5.7	1.7				
	1239	-0.1	0.0				
	1818	6.2	1.9				
15	0102	-0.8	-0.2				
Tu	0640	5.8	1.8				
	1313	-0.1	0.0				
	1850	6.2	1.9				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0053	-1.7	-0.5	16	0034	-0.6	-0.2
Tu	0648	6.7	2.0	W	0610	6.2	1.9
	1314	-1.3	-0.4		1249	-0.6	-0.2
	1901	6.8	2.1		1832	6.3	1.9
2	0135	-1.3	-0.4	17	0106	-0.4	-0.1
W	0725	6.6	2.0	Th	0641	6.4	2.0
	1356	-1.2	-0.4		1321	-0.6	-0.2
	1943	6.4	2.0		1907	6.2	1.9
3	0218	-0.8	-0.2	18	0138	-0.1	0.0
Th	0802	6.3	1.9	F	0714	6.4	2.0
	1441	-0.9	-0.3		1356	-0.6	-0.2
	2025	5.9	1.8		1946	6.0	1.8
4	0300	-0.2	-0.1	19	0212	0.2	0.1
F	0841	6.0	1.8	Sa	0753	6.3	1.9
	1529	-0.5	-0.2		1438	-0.4	-0.1
	2108	5.4	1.6		2029	5.7	1.7
5	0348	0.4	0.1	20	0255	0.6	0.2
Sa	0922	5.6	1.7	Su	0838	6.1	1.9
	1622	-0.1	0.0		1532	-0.1	0.0
	2158	4.9	1.5		2124	5.3	1.6
6	0440	0.9	0.3	21	0352	1.0	0.3
Su	1011	5.2	1.6	M	0929	5.7	1.7
	1722	0.3	0.1		1643	0.1	0.0
	2254	4.4	1.3		2230	4.9	1.5
7	0545	1.3	0.4	22	0515	1.3	0.4
M	1112	4.8	1.5	Tu	1036	5.4	1.6
	1828	0.5	0.2		1807	0.2	0.1
					2354	4.7	1.4
8	0009	4.2	1.3	23	0639	1.3	0.4
Tu	0654	1.4	0.4	W	1200	5.2	1.6
	1225	4.6	1.4		1923	0.0	0.0
	1932	0.4	0.1				
9	0131	4.2	1.3	24	0126	4.8	1.5
W	0800	1.2	0.4	Th	0754	0.9	0.3
	1342	4.7	1.4		1328	5.3	1.6
	2032	0.2	0.1		2029	-0.4	-0.1
10	0242	4.4	1.3	25	0240	5.3	1.6
Th	0856	0.9	0.3	F	0856	0.3	0.1
	1446	5.0	1.5		1445	5.8	1.8
	2125	-0.1	0.0		2127	-0.8	-0.2
11	0330	4.8	1.5	26	0338	5.9	1.8
F	0944	0.6	0.2	Sa	0951	-0.3	-0.1
	1535	5.4	1.6		1544	6.2	1.9
	2210	-0.4	-0.1		2218	-1.2	-0.4
12	0410	5.1	1.6	27	0423	6.4	2.0
Sa	1028	0.2	0.1	Su	1041	-0.9	-0.3
	1617	5.7	1.7		1636	6.6	2.0
	2250	-0.6	-0.2		2305	-1.4	-0.4
13	0444	5.5	1.7	28	0505	6.7	2.0
Su	1106	-0.1	0.0	M	1125	-1.3	-0.4
	1653	6.0	1.8		1721	6.8	2.1
	2327	-0.7	-0.2		2347	-1.3	-0.4
14	0513	5.7	1.7	29	0544	6.9	2.1
M	1142	-0.4	-0.1	Tu	1207	-1.5	-0.5
	1726	6.1	1.9		1802	6.8	2.1
15	0002	-0.7	-0.2	30	0029	-1.1	-0.3
Tu	0541	6.0	1.8	W	0620	6.9	2.1
	1216	-0.5	-0.2		1249	-1.5	-0.5
	1759	6.3	1.9		1842	6.6	2.0
				31	0107	-0.7	-0.2
				Th	0653	6.7	2.0
					1330	-1.3	-0.4
					1919	6.3	1.9

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0147	-0.3	-0.1	16 Sa	0117	0.2	0.1
	0727	6.5	2.0		0650	6.8	2.1
	1412	-1.0	-0.3		1341	-0.8	-0.2
	1957	5.9	1.8		1933	6.1	1.9
2 Sa	0228	0.3	0.1	17 Su	0156	0.6	0.2
	0802	6.1	1.9		0732	6.6	2.0
	1455	-0.5	-0.2		1427	-0.6	-0.2
	2036	5.5	1.7		2018	5.8	1.8
3 Su	0310	0.8	0.2	18 M	0246	0.9	0.3
	0839	5.7	1.7		0818	6.3	1.9
	1544	-0.1	0.0		1524	-0.3	-0.1
	2121	5.1	1.6		2116	5.5	1.7
4 M	0402	1.3	0.4	19 Tu	0348	1.2	0.4
	0924	5.3	1.6		0915	5.9	1.8
	1642	0.4	0.1		1633	0.1	0.0
	2214	4.7	1.4		2225	5.2	1.6
5 Tu	0507	1.6	0.5	20 W	0506	1.4	0.4
	1022	4.9	1.5		1025	5.5	1.7
	1745	0.7	0.2		1748	0.2	0.1
	2320	4.4	1.3		2345	5.1	1.6
6 W	0616	1.7	0.5	21 Th	0627	1.3	0.4
	1135	4.7	1.4		1150	5.3	1.6
	1852	0.7	0.2		1902	0.1	0.0
7 Th	0039	4.4	1.3	22 F	0108	5.3	1.6
	0723	1.5	0.5		0737	0.8	0.2
	1256	4.7	1.4		1317	5.4	1.6
	1955	0.6	0.2		2006	-0.1	0.0
8 F	0149	4.6	1.4	23 Sa	0216	5.7	1.7
	0821	1.1	0.3		0837	0.2	0.1
	1408	4.9	1.5		1430	5.7	1.7
	2048	0.3	0.1		2104	-0.4	-0.1
9 Sa	0245	5.0	1.5	24 Su	0311	6.2	1.9
	0914	0.7	0.2		0933	-0.4	-0.1
	1501	5.3	1.6		1530	6.1	1.9
	2135	0.1	0.0		2154	-0.6	-0.2
10 Su	0327	5.4	1.6	25 M	0357	6.6	2.0
	0959	0.2	0.1		1020	-0.9	-0.3
	1546	5.6	1.7		1620	6.4	2.0
	2218	-0.1	0.0		2239	-0.7	-0.2
11 M	0404	5.8	1.8	26 Tu	0439	6.9	2.1
	1037	-0.2	-0.1		1105	-1.3	-0.4
	1627	5.9	1.8		1705	6.6	2.0
	2256	-0.2	-0.1		2322	-0.6	-0.2
12 Tu	0436	6.1	1.9	27 W	0516	7.0	2.1
	1116	-0.5	-0.2		1147	-1.4	-0.4
	1703	6.2	1.9		1744	6.6	2.0
	2332	-0.3	-0.1				
13 W	0509	6.4	2.0	28 Th	0003	-0.4	-0.1
	1150	-0.8	-0.2		0550	6.9	2.1
	1737	6.3	1.9		1227	-1.4	-0.4
					1822	6.4	2.0
14 Th	0005	-0.2	-0.1	29 F	0042	0.0	0.0
	0541	6.6	2.0		0623	6.8	2.1
	1227	-0.9	-0.3		1305	-1.2	-0.4
	1814	6.4	2.0		1857	6.2	1.9
15 F	0041	0.0	0.0	30 Sa	0119	0.3	0.1
	0614	6.8	2.1		0655	6.6	2.0
	1302	-0.9	-0.3		1346	-0.8	-0.2
	1851	6.3	1.9		1932	5.9	1.8

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Su	0159	0.7	0.2	16 M	0148	0.7	0.2
	0730	6.3	1.9		0719	6.8	2.1
	1427	-0.4	-0.1		1420	-0.8	-0.2
	2010	5.6	1.7		2015	6.0	1.8
2 M	0241	1.1	0.3	17 Tu	0241	1.0	0.3
	0806	5.9	1.8		0809	6.5	2.0
	1513	0.0	0.0		1516	-0.4	-0.1
	2050	5.3	1.6		2112	5.8	1.8
3 Tu	0329	1.5	0.5	18 W	0345	1.2	0.4
	0849	5.6	1.7		0908	6.0	1.8
	1603	0.4	0.1		1621	-0.1	0.0
	2140	5.0	1.5		2217	5.6	1.7
4 W	0429	1.7	0.5	19 Th	0456	1.2	0.4
	0940	5.2	1.6		1017	5.6	1.7
	1704	0.7	0.2		1729	0.1	0.0
	2238	4.8	1.5		2330	5.6	1.7
5 Th	0536	1.8	0.5	20 F	0609	1.0	0.3
	1046	4.9	1.5		1138	5.4	1.6
	1807	0.9	0.3		1835	0.2	0.1
	2346	4.8	1.5				
6 F	0643	1.6	0.5	21 Sa	0042	5.8	1.8
	1202	4.8	1.5		0715	0.6	0.2
	1908	0.8	0.2		1259	5.4	1.6
					1937	0.1	0.0
7 Sa	0052	4.9	1.5	22 Su	0147	6.1	1.9
	0743	1.3	0.4		0814	0.1	0.0
	1315	4.9	1.5		1411	5.6	1.7
	2005	0.7	0.2		2034	0.1	0.0
8 Su	0149	5.3	1.6	23 M	0240	6.4	2.0
	0837	0.8	0.2		0909	-0.4	-0.1
	1417	5.2	1.6		1511	5.9	1.8
	2053	0.5	0.2		2126	0.0	0.0
9 M	0237	5.6	1.7	24 Tu	0327	6.6	2.0
	0922	0.3	0.1		0958	-0.8	-0.2
	1511	5.5	1.7		1602	6.1	1.9
	2139	0.4	0.1		2212	0.0	0.0
10 Tu	0319	6.0	1.8	25 W	0410	6.8	2.1
	1007	-0.2	-0.1		1042	-1.1	-0.3
	1556	5.8	1.8		1645	6.2	1.9
	2220	0.3	0.1		2257	0.1	0.0
11 W	0357	6.4	2.0	26 Th	0447	6.8	2.1
	1047	-0.6	-0.2		1124	-1.2	-0.4
	1636	6.1	1.9		1726	6.2	1.9
	2300	0.3	0.1		2338	0.3	0.1
12 Th	0434	6.7	2.0	27 F	0521	6.8	2.1
	1126	-0.9	-0.3		1203	-1.1	-0.3
	1717	6.3	1.9		1802	6.1	1.9
	2339	0.3	0.1				
13 F	0511	6.9	2.1	28 Sa	0017	0.5	0.2
	1204	-1.1	-0.3		0555	6.7	2.0
	1758	6.4	2.0		1244	-0.9	-0.3
					1835	6.0	1.8
14 Sa	0018	0.4	0.1	29 Su	0056	0.8	0.2
	0548	7.0	2.1		0628	6.5	2.0
	1246	-1.1	-0.3		1322	-0.7	-0.2
	1839	6.3	1.9		1909	5.8	1.8
15 Su	0101	0.5	0.2	30 M	0135	1.0	0.3
	0633	7.0	2.1		0703	6.3	1.9
	1330	-1.0	-0.3		1402	-0.4	-0.1
	1925	6.2	1.9		1946	5.7	1.7
				31 Tu	0215	1.3	0.4
					0739	6.1	1.9
					1444	0.0	0.0
					2025	5.5	1.7

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 W	0300	1.5	0.5	16 Th	0334	0.8	0.2
	0820	5.8	1.8		0902	6.2	1.9
	1529	0.3	0.1		1601	-0.3	-0.1
	2108	5.4	1.6		2201	6.1	1.9
2 Th	0353	1.6	0.5	17 F	0438	0.8	0.2
	0908	5.5	1.7		1006	5.8	1.8
	1622	0.6	0.2		1703	0.0	0.0
	2158	5.3	1.6		2304	6.0	1.8
3 F	0454	1.7	0.5	18 Sa	0544	0.7	0.2
	1006	5.2	1.6		1118	5.5	1.7
	1719	0.9	0.3		1806	0.3	0.1
	2254	5.2	1.6				
4 Sa	0557	1.6	0.5	19 Su	0008	6.0	1.8
	1110	5.0	1.5		0649	0.4	0.1
	1819	1.0	0.3		1233	5.3	1.6
	2353	5.3	1.6		1907	0.5	0.2
5 Su	0659	1.3	0.4	20 M	0110	6.1	1.9
	1219	5.0	1.5		0749	0.1	0.0
	1915	1.0	0.3		1347	5.3	1.6
					2005	0.6	0.2
6 M	0051	5.5	1.7	21 Tu	0205	6.3	1.9
	0755	0.8	0.2		0843	-0.3	-0.1
	1329	5.1	1.6		1450	5.5	1.7
	2009	1.0	0.3		2059	0.7	0.2
7 Tu	0144	5.8	1.8	22 W	0256	6.4	2.0
	0847	0.3	0.1		0933	-0.6	-0.2
	1429	5.3	1.6		1543	5.6	1.7
	2059	0.9	0.3		2149	0.7	0.2
8 W	0234	6.2	1.9	23 Th	0341	6.5	2.0
	0933	-0.2	-0.1		1020	-0.8	-0.2
	1523	5.6	1.7		1628	5.8	1.8
	2146	0.8	0.2		2233	0.7	0.2
9 Th	0319	6.5	2.0	24 F	0423	6.6	2.0
	1020	-0.6	-0.2		1103	-0.9	-0.3
	1612	5.9	1.8		1706	5.8	1.8
	2231	0.7	0.2		2315	0.8	0.2
10 F	0404	6.8	2.1	25 Sa	0458	6.6	2.0
	1103	-1.0	-0.3		1143	-0.8	-0.2
	1700	6.2	1.9		1743	5.9	1.8
	2316	0.6	0.2		2356	0.8	0.2
11 Sa	0450	7.1	2.2	26 Su	0534	6.5	2.0
	1148	-1.2	-0.4		1223	-0.7	-0.2
	1744	6.3	1.9		1816	5.9	1.8
12 Su	0002	0.5	0.2	27 M	0036	0.9	0.3
	0535	7.2	2.2		0608	6.5	2.0
	1233	-1.3	-0.4		1301	-0.6	-0.2
	1830	6.4	2.0		1848	5.8	1.8
13 M	0048	0.6	0.2	28 Tu	0114	1.1	0.3
	0621	7.1	2.2		0640	6.4	2.0
	1321	-1.2	-0.4		1338	-0.4	-0.1
	1919	6.4	2.0		1923	5.8	1.8
14 Tu	0140	0.6	0.2	29 W	0152	1.2	0.4
	0711	7.0	2.1		0717	6.2	1.9
	1410	-1.0	-0.3		1418	-0.1	0.0
	2010	6.3	1.9		1959	5.8	1.8
15 W	0236	0.7	0.2	30 Th	0231	1.3	0.4
	0803	6.6	2.0		0754	6.0	1.8
	1503	-0.7	-0.2		1457	0.2	0.1
	2103	6.2	1.9		2036	5.8	1.8

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0316	1.4	0.4	16	0414	0.4	0.1
F	0839	5.8	1.8	Sa	0945	6.0	1.8
	1539	0.5	0.2		1633	0.2	0.1
	2116	5.7	1.7		2229	6.3	1.9
2	0409	1.4	0.4	17	0515	0.4	0.1
Sa	0929	5.5	1.7	Su	1051	5.5	1.7
	1627	0.8	0.2		1731	0.7	0.2
	2206	5.7	1.7		2328	6.2	1.9
3	0507	1.4	0.4	18	0617	0.4	0.1
Su	1025	5.2	1.6	M	1203	5.2	1.6
	1723	1.1	0.3		1833	1.0	0.3
	2258	5.7	1.7				
4	0609	1.2	0.4	19	0028	6.1	1.9
M	1130	5.1	1.6	Tu	0718	0.3	0.1
	1822	1.3	0.4		1315	5.1	1.6
	2355	5.8	1.8		1935	1.2	0.4
5	0712	0.9	0.3	20	0128	6.1	1.9
Tu	1241	5.0	1.5	W	0816	0.1	0.0
	1923	1.4	0.4		1426	5.2	1.6
					2031	1.2	0.4
6	0054	6.0	1.8	21	0226	6.1	1.9
W	0811	0.4	0.1	Th	0909	-0.2	-0.1
	1352	5.2	1.6		1525	5.3	1.6
	2021	1.3	0.4		2125	1.2	0.4
7	0152	6.2	1.9	22	0317	6.3	1.9
Th	0904	-0.1	0.0	F	0959	-0.3	-0.1
	1456	5.5	1.7		1612	5.5	1.7
	2117	1.1	0.3		2212	1.1	0.3
8	0250	6.6	2.0	23	0400	6.4	2.0
F	0956	-0.5	-0.2	Sa	1041	-0.5	-0.2
	1554	5.8	1.8		1652	5.7	1.7
	2210	0.9	0.3		2255	1.0	0.3
9	0343	6.9	2.1	24	0439	6.5	2.0
Sa	1045	-0.9	-0.3	Su	1124	-0.5	-0.2
	1645	6.2	1.9		1725	5.8	1.8
	2300	0.7	0.2		2336	1.0	0.3
10	0434	7.1	2.2	25	0516	6.5	2.0
Su	1133	-1.2	-0.4	M	1202	-0.5	-0.2
	1734	6.4	2.0		1757	6.0	1.8
	2349	0.5	0.2				
11	0524	7.3	2.2	26	0015	0.9	0.3
M	1220	-1.4	-0.4	Tu	0549	6.6	2.0
	1821	6.6	2.0		1239	-0.4	-0.1
					1826	6.1	1.9
12	0037	0.3	0.1	27	0052	0.9	0.3
Tu	0613	7.3	2.2	W	0623	6.6	2.0
	1308	-1.3	-0.4		1314	-0.3	-0.1
	1908	6.8	2.1		1858	6.2	1.9
13	0127	0.3	0.1	28	0127	1.0	0.3
W	0703	7.2	2.2	Th	0656	6.5	2.0
	1356	-1.1	-0.3		1348	0.0	0.0
	1955	6.8	2.1		1929	6.2	1.9
14	0220	0.3	0.1	29	0202	1.0	0.3
Th	0754	6.9	2.1	F	0732	6.4	2.0
	1446	-0.8	-0.2		1420	0.3	0.1
	2044	6.7	2.0		2002	6.3	1.9
15	0315	0.3	0.1	30	0241	1.1	0.3
F	0847	6.4	2.0	Sa	0810	6.1	1.9
	1537	-0.3	-0.1		1457	0.6	0.2
	2134	6.5	2.0		2039	6.3	1.9
				31	0324	1.1	0.3
				Su	0855	5.9	1.8
					1537	1.0	0.3
					2121	6.2	1.9

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0417	1.2	0.4	16	0541	0.6	0.2
M	0945	5.6	1.7	Tu	1125	5.2	1.6
	1625	1.4	0.4		1800	1.6	0.5
	2209	6.2	1.9		2343	6.0	1.8
2	0520	1.2	0.4	17	0646	0.7	0.2
Tu	1046	5.3	1.6	W	1242	5.0	1.5
	1728	1.7	0.5		1904	1.8	0.5
	2304	6.1	1.9				
3	0630	1.0	0.3	18	0051	5.9	1.8
W	1200	5.1	1.6	Th	0747	0.6	0.2
	1842	1.8	0.5		1357	5.1	1.6
					2005	1.8	0.5
4	0011	6.1	1.9	19	0157	6.0	1.8
Th	0739	0.7	0.2	F	0843	0.4	0.1
	1321	5.2	1.6		1504	5.3	1.6
	1952	1.7	0.5		2101	1.6	0.5
5	0120	6.3	1.9	20	0253	6.1	1.9
F	0840	0.2	0.1	Sa	0933	0.2	0.1
	1434	5.5	1.7		1551	5.6	1.7
	2056	1.4	0.4		2151	1.4	0.4
6	0229	6.6	2.0	21	0341	6.4	2.0
Sa	0936	-0.3	-0.1	Su	1020	0.0	0.0
	1538	5.9	1.8		1628	5.9	1.8
	2152	1.1	0.3		2234	1.2	0.4
7	0328	7.0	2.1	22	0423	6.6	2.0
Su	1028	-0.8	-0.2	M	1100	-0.2	-0.1
	1631	6.4	2.0		1700	6.1	1.9
	2244	0.6	0.2		2315	1.0	0.3
8	0424	7.3	2.2	23	0457	6.7	2.0
M	1116	-1.1	-0.3	Tu	1137	-0.2	-0.1
	1720	6.8	2.1		1732	6.3	1.9
	2334	0.3	0.1		2352	0.8	0.2
9	0516	7.5	2.3	24	0530	6.8	2.1
Tu	1203	-1.3	-0.4	W	1213	-0.2	-0.1
	1805	7.1	2.2		1800	6.5	2.0
10	0022	0.0	0.0	25	0026	0.8	0.2
W	0604	7.6	2.3	Th	0602	6.9	2.1
	1250	-1.3	-0.4		1245	0.0	0.0
	1848	7.3	2.2		1827	6.7	2.0
11	0110	-0.1	0.0	26	0100	0.7	0.2
Th	0653	7.5	2.3	F	0634	6.8	2.1
	1333	-1.0	-0.3		1317	0.2	0.1
	1933	7.3	2.2		1855	6.8	2.1
12	0159	-0.1	0.0	27	0133	0.8	0.2
F	0740	7.2	2.2	Sa	0708	6.7	2.0
	1420	-0.5	-0.2		1346	0.5	0.2
	2015	7.2	2.2		1927	6.9	2.1
13	0249	0.0	0.0	28	0207	0.8	0.2
Sa	0828	6.7	2.0	Su	0743	6.5	2.0
	1508	0.0	0.0		1418	0.9	0.3
	2100	6.9	2.1		2002	6.9	2.1
14	0342	0.2	0.1	29	0244	0.9	0.3
Su	0921	6.2	1.9	M	0825	6.2	1.9
	1601	0.6	0.2		1452	1.3	0.4
	2148	6.6	2.0		2043	6.8	2.1
15	0440	0.5	0.2	30	0332	1.1	0.3
M	1019	5.6	1.7	Tu	0913	5.9	1.8
	1656	1.2	0.4		1534	1.7	0.5
	2242	6.3	1.9		2129	6.6	2.0
				31	0438	1.2	0.4
				W	1014	5.5	1.7
					1648	2.1	0.6
					2227	6.4	2.0

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0557	1.2	0.4	16	0008	5.8	1.8
Th	1131	5.3	1.6	F	0714	1.1	0.3
	1814	2.3	0.7		1323	5.1	1.6
	2339	6.2	1.9		1937	2.3	0.7
2	0713	0.9	0.3	17	0121	5.9	1.8
F	1259	5.3	1.6	Sa	0814	1.0	0.3
	1934	2.1	0.6		1432	5.4	1.6
					2037	2.0	0.6
3	0100	6.3	1.9	18	0226	6.1	1.9
Sa	0819	0.5	0.2	Su	0906	0.7	0.2
	1421	5.7	1.7		1519	5.8	1.8
	2040	1.7	0.5		2127	1.6	0.5
4	0213	6.6	2.0	19	0317	6.4	2.0
Su	0919	-0.1	0.0	M	0951	0.4	0.1
	1523	6.3	1.9		1559	6.2	1.9
	2138	1.1	0.3		2210	1.3	0.4
5	0319	7.1	2.2	20	0359	6.7	2.0
M	1010	-0.5	-0.2	Tu	1031	0.2	0.1
	1615	6.9	2.1		1631	6.5	2.0
	2231	0.5	0.2		2249	1.0	0.3
6	0415	7.5	2.3	21	0436	6.9	2.1
Tu	1059	-0.9	-0.3	W	1109	0.2	0.1
	1701	7.3	2.2		1700	6.8	2.1
	2319	0.0	0.0		2326	0.7	0.2
7	0505	7.8	2.4	22	0508	7.0	2.1
W	1143	-1.0	-0.3	Th	1142	0.2	0.1
	1743	7.7	2.3		1726	7.0	2.1
8	0005	-0.3	-0.1	23	0000	0.6	0.2
Th	0552	7.8	2.4	F	0540	7.1	2.2
	1226	-0.9	-0.3		1216	0.4	0.1
	1825	7.8	2.4		1756	7.2	2.2
9	0050	-0.4	-0.1	24	0033	0.5	0.2
F	0637	7.7	2.3	Sa	0612	7.1	2.2
	1309	-0.5	-0.2		1247	0.6	0.2
	1903	7.8	2.4		1822	7.4	2.3
10	0135	-0.4	-0.1	25	0106	0.5	0.2
Sa	0719	7.4	2.3	Su	0646	7.0	2.1
	1354	0.0	0.0		1316	0.9	0.3
	1943	7.6	2.3		1855	7.4	2.3
11	0222	-0.1	0.0	26	0138	0.6	0.2
Su	0804	6.9	2.1	M	0722	6.8	2.1
	1436	0.6	0.2		1346	1.2	0.4
	2023	7.3	2.2		1930	7.4	2.3
12	0313	0.2	0.1	27	0215	0.7	0.2
M	0852	6.3	1.9	Tu	0804	6.5	2.0
	1526	1.2	0.4		1420	1.6	0.5
	2105	6.8	2.1		2010	7.2	2.2
13	0406	0.6	0.2	28	0305	1.0	0.3
Tu	0940	5.8	1.8	W	0852	6.1	1.9
	1619	1.8	0.5		1510	2.1	0.6
	2153	6.4	2.0		2100	6.9	2.1
14	0504	1.0	0.3	29	0411	1.2	0.4
W	1043	5.3	1.6	Th	0953	5.7	1.7
	1722	2.2	0.7		1628	2.4	0.7
	2254	6.0	1.8		2201	6.6	2.0
15	0609	1.2	0.4	30	0533	1.3	0.4
Th	1200	5.1	1.6	F	1114	5.5	1.7
	1832	2.4	0.7		1801	2.5	0.8
					2319	6.3	1.9

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0651	1.1	0.3	16 Su	0039	5.8	1.8
	1246	5.6	1.7		0738	1.3	0.4
	1920	2.2	0.7		1344	5.5	1.7
					2005	2.1	0.6
2 Su	0046	6.3	1.9	17 M	0149	6.0	1.8
	0800	0.7	0.2		0830	1.1	0.3
	1406	6.1	1.9		1437	5.9	1.8
	2026	1.6	0.5		2056	1.7	0.5
3 M	0205	6.7	2.0	18 Tu	0245	6.3	1.9
	0858	0.2	0.1		0917	0.8	0.2
	1506	6.7	2.0		1517	6.3	1.9
	2122	0.9	0.3		2141	1.2	0.4
4 Tu	0311	7.1	2.2	19 W	0330	6.6	2.0
	0949	-0.2	-0.1		0959	0.6	0.2
	1556	7.3	2.2		1551	6.7	2.0
	2213	0.3	0.1		2221	0.8	0.2
5 W	0404	7.5	2.3	20 Th	0408	6.8	2.1
	1037	-0.4	-0.1		1036	0.6	0.2
	1639	7.8	2.4		1623	7.0	2.1
	2301	-0.2	-0.1		2258	0.5	0.2
6 Th	0452	7.8	2.4	21 F	0444	7.0	2.1
	1120	-0.5	-0.2		1113	0.6	0.2
	1719	8.0	2.4		1652	7.3	2.2
	2345	-0.5	-0.2		2334	0.3	0.1
7 F	0537	7.8	2.4	22 Sa	0518	7.1	2.2
	1202	-0.3	-0.1		1145	0.7	0.2
	1757	8.1	2.5		1721	7.5	2.3
8 Sa	0028	-0.6	-0.2	23 Su	0009	0.2	0.1
	0619	7.6	2.3		0551	7.1	2.2
	1244	0.1	0.0		1218	0.9	0.3
	1833	8.0	2.4		1754	7.6	2.3
9 Su	0111	-0.5	-0.2	24 M	0042	0.2	0.1
	0658	7.3	2.2		0626	7.0	2.1
	1324	0.5	0.2		1250	1.1	0.3
	1909	7.8	2.4		1828	7.7	2.3
10 M	0154	-0.2	-0.1	25 Tu	0119	0.3	0.1
	0740	6.9	2.1		0706	6.8	2.1
	1406	1.1	0.3		1322	1.4	0.4
	1946	7.4	2.3		1906	7.6	2.3
11 Tu	0241	0.3	0.1	26 W	0202	0.4	0.1
	0823	6.4	2.0		0750	6.5	2.0
	1452	1.7	0.5		1407	1.8	0.5
	2027	7.0	2.1		1951	7.3	2.2
12 W	0329	0.7	0.2	27 Th	0252	0.7	0.2
	0908	5.9	1.8		0841	6.2	1.9
	1542	2.2	0.7		1503	2.1	0.6
	2110	6.5	2.0		2041	7.0	2.1
13 Th	0429	1.2	0.4	28 F	0358	1.0	0.3
	1005	5.5	1.7		0945	5.9	1.8
	1646	2.5	0.8		1622	2.4	0.7
	2206	6.1	1.9		2145	6.5	2.0
14 F	0532	1.4	0.4	29 Sa	0515	1.1	0.3
	1114	5.2	1.6		1104	5.7	1.7
	1757	2.7	0.8		1746	2.3	0.7
	2319	5.8	1.8		2304	6.2	1.9
15 Sa	0636	1.5	0.5	30 Su	0628	1.0	0.3
	1233	5.3	1.6		1228	5.9	1.8
	1904	2.5	0.8		1902	1.9	0.6
				31 M	0033	6.2	1.9
					0736	0.7	0.2
					1344	6.4	2.0
					2006	1.3	0.4

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0152	6.5	2.0	16 W	0200	5.8	1.8
	0834	0.4	0.1		0837	1.1	0.3
	1442	6.9	2.1		1426	6.2	1.9
	2104	0.6	0.2		2106	1.1	0.3
2 W	0256	6.9	2.1	17 Th	0253	6.1	1.9
	0927	0.1	0.0		0922	0.9	0.3
	1531	7.4	2.3		1506	6.5	2.0
	2154	0.0	0.0		2149	0.6	0.2
3 Th	0351	7.2	2.2	18 F	0338	6.3	1.9
	1013	0.0	0.0		1004	0.8	0.2
	1613	7.7	2.3		1544	6.9	2.1
	2241	-0.4	-0.1		2231	0.2	0.1
4 F	0437	7.4	2.3	19 Sa	0418	6.5	2.0
	1058	0.0	0.0		1042	0.8	0.2
	1655	7.9	2.4		1619	7.2	2.2
	2324	-0.7	-0.2		2308	-0.1	0.0
5 Sa	0521	7.4	2.3	20 Su	0457	6.7	2.0
	1140	0.2	0.1		1119	0.8	0.2
	1731	7.9	2.4		1655	7.4	2.3
					2348	-0.2	-0.1
6 Su	0007	-0.7	-0.2	21 M	0534	6.8	2.1
	0559	7.2	2.2		1157	0.9	0.3
	1220	0.5	0.2		1731	7.6	2.3
	1806	7.8	2.4				
7 M	0049	-0.6	-0.2	22 Tu	0026	-0.3	-0.1
	0639	7.0	2.1		0615	6.7	2.0
	1259	0.9	0.3		1235	1.0	0.3
	1840	7.6	2.3		1810	7.6	2.3
8 Tu	0130	-0.3	-0.1	23 W	0106	-0.3	-0.1
	0716	6.6	2.0		0656	6.6	2.0
	1340	1.3	0.4		1317	1.2	0.4
	1917	7.3	2.2		1852	7.5	2.3
9 W	0212	0.2	0.1	24 Th	0153	-0.1	0.0
	0754	6.3	1.9		0743	6.4	2.0
	1423	1.7	0.5		1404	1.4	0.4
	1954	6.9	2.1		1940	7.2	2.2
10 Th	0259	0.6	0.2	25 F	0246	0.1	0.0
	0836	5.9	1.8		0835	6.2	1.9
	1510	2.1	0.6		1503	1.6	0.5
	2036	6.5	2.0		2033	6.8	2.1
11 F	0350	1.0	0.3	26 Sa	0345	0.4	0.1
	0926	5.6	1.7		0937	6.0	1.8
	1609	2.4	0.7		1614	1.8	0.5
	2124	6.1	1.9		2137	6.4	2.0
12 Sa	0451	1.3	0.4	27 Su	0453	0.6	0.2
	1025	5.4	1.6		1046	5.9	1.8
	1714	2.5	0.8		1728	1.7	0.5
	2230	5.7	1.7		2251	6.0	1.8
13 Su	0551	1.4	0.4	28 M	0601	0.7	0.2
	1132	5.3	1.6		1202	6.0	1.8
	1823	2.4	0.7		1839	1.3	0.4
	2342	5.6	1.7				
14 M	0651	1.4	0.4	29 Tu	0015	5.9	1.8
	1241	5.5	1.7		0707	0.6	0.2
	1925	2.0	0.6		1312	6.3	1.9
					1944	0.8	0.2
15 Tu	0057	5.6	1.7	30 W	0134	6.0	1.8
	0749	1.3	0.4		0806	0.5	0.2
	1339	5.8	1.8		1413	6.7	2.0
	2019	1.6	0.5		2042	0.2	0.1

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0240	6.2	1.9	16 F	0208	5.4	1.6
	0901	0.4	0.1		0842	1.1	0.3
	1506	7.0	2.1		1419	6.1	1.9
	2133	-0.3	-0.1		2119	0.4	0.1
2 F	0335	6.5	2.0	17 Sa	0304	5.6	1.7
	0951	0.3	0.1		0931	0.9	0.3
	1549	7.2	2.2		1506	6.4	2.0
	2222	-0.7	-0.2		2202	-0.1	0.0
3 Sa	0423	6.6	2.0	18 Su	0352	5.9	1.8
	1036	0.3	0.1		1015	0.8	0.2
	1631	7.4	2.3		1551	6.7	2.0
	2305	-0.9	-0.3		2247	-0.5	-0.2
4 Su	0505	6.6	2.0	19 M	0436	6.1	1.9
	1119	0.4	0.1		1057	0.7	0.2
	1708	7.4	2.3		1634	7.0	2.1
	2348	-0.9	-0.3		2329	-0.8	-0.2
5 M	0544	6.5	2.0	20 Tu	0522	6.3	1.9
	1200	0.6	0.2		1141	0.6	0.2
	1743	7.3	2.2		1716	7.2	2.2
6 Tu	0029	-0.7	-0.2	21 W	0013	-0.9	-0.3
	0621	6.4	2.0		0604	6.4	2.0
	1239	0.8	0.2		1224	0.5	0.2
	1818	7.1	2.2		1759	7.3	2.2
7 W	0109	-0.5	-0.2	22 Th	0057	-1.0	-0.3
	0657	6.2	1.9		0648	6.4	2.0
	1319	1.1	0.3		1309	0.5	0.2
	1853	6.9	2.1		1845	7.2	2.2
8 Th	0148	-0.2	-0.1	23 F	0143	-0.9	-0.3
	0733	6.0	1.8		0737	6.3	1.9
	1359	1.3	0.4		1401	0.6	0.2
	1929	6.6	2.0		1933	7.0	2.1
9 F	0231	0.1	0.0	24 Sa	0233	-0.6	-0.2
	0810	5.8	1.8		0826	6.2	1.9
	1441	1.6	0.5		1455	0.7	0.2
	2007	6.3	1.9		2028	6.6	2.0
10 Sa	0316	0.5	0.2	25 Su	0329	-0.3	-0.1
	0852	5.6	1.7		0921	6.1	1.9
	1529	1.8	0.5		1558	0.8	0.2
	2052	6.0	1.8		2126	6.2	1.9
11 Su	0406	0.8	0.2	26 M	0427	0.0	0.0
	0940	5.4	1.6		1022	5.9	1.8
	1627	1.9	0.6		1704	0.8	0.2
	2145	5.6	1.7		2235	5.7	1.7
12 M	0502	1.0	0.3	27 Tu	0532	0.3	0.1
	1033	5.3	1.6		1128	5.9	1.8
	1731	1.9	0.6		1811	0.6	0.2
	2246	5.3	1.6		2349	5.4	1.6
13 Tu	0600	1.2	0.4	28 W	0635	0.5	0.2
	1133	5.3	1.6		1235	5.9	1.8
	1836	1.7	0.5		1918	0.3	0.1
	2356	5.2	1.6				
14 W	0658	1.2	0.4	29 Th	0109	5.3	1.6
	1232	5.5	1.7		0737	0.6	0.2
	1934	1.3	0.4		1339	6.1	1.9
					2016	-0.1	0.0
15 Th	0104	5.2	1.6	30 F	0221	5.4	1.6
	0752	1.2	0.4		0837	0.6	0.2
	1328	5.7	1.7		1437	6.2	1.9
	2027	0.8	0.2		2112	-0.5	-0.2
				31 Sa	0319	5.6	1.7
					0928	0.5	0.2
					1527	6.4	2.0
					2202	-0.8	-0.2

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0548	7.8	2.4	16	0545	7.2	2.2
Sa	1151	0.8	0.2	Su	1146	1.3	0.4
	1802	8.3	2.5		1755	7.6	2.3
2	0023	0.3	0.1	17	0012	1.0	0.3
Su	0636	7.6	2.3	M	0620	7.2	2.2
	1239	1.0	0.3		1223	1.3	0.4
	1852	8.0	2.4		1834	7.6	2.3
3	0111	0.6	0.2	18	0049	1.1	0.3
M	0726	7.4	2.3	Tu	0700	7.2	2.2
	1332	1.3	0.4		1303	1.4	0.4
	1942	7.6	2.3		1913	7.4	2.3
4	0201	1.0	0.3	19	0129	1.2	0.4
Tu	0817	7.1	2.2	W	0739	7.1	2.2
	1425	1.6	0.5		1345	1.4	0.4
	2038	7.2	2.2		1958	7.3	2.2
5	0257	1.4	0.4	20	0214	1.4	0.4
W	0910	6.8	2.1	Th	0824	7.0	2.1
	1523	1.8	0.5		1433	1.6	0.5
	2134	6.8	2.1		2046	7.0	2.1
6	0352	1.8	0.5	21	0302	1.6	0.5
Th	1011	6.6	2.0	F	0915	6.9	2.1
	1625	2.0	0.6		1528	1.7	0.5
	2239	6.5	2.0		2144	6.8	2.1
7	0453	2.1	0.6	22	0357	1.8	0.5
F	1111	6.5	2.0	Sa	1013	6.8	2.1
	1729	2.1	0.6		1632	1.8	0.5
	2344	6.3	1.9		2248	6.6	2.0
8	0554	2.2	0.7	23	0501	2.0	0.6
Sa	1211	6.5	2.0	Su	1117	6.8	2.1
	1830	2.0	0.6		1741	1.7	0.5
9	0045	6.3	1.9	24	0000	6.6	2.0
Su	0653	2.2	0.7	M	0609	2.0	0.6
	1306	6.6	2.0		1227	6.9	2.1
	1928	1.9	0.6		1853	1.5	0.5
10	0141	6.4	2.0	25	0112	6.7	2.0
M	0746	2.1	0.6	Tu	0717	1.9	0.6
	1359	6.8	2.1		1333	7.2	2.2
	2020	1.7	0.5		1959	1.2	0.4
11	0231	6.6	2.0	26	0215	7.0	2.1
Tu	0831	2.0	0.6	W	0820	1.6	0.5
	1444	7.0	2.1		1434	7.6	2.3
	2103	1.5	0.5		2058	0.8	0.2
12	0314	6.7	2.0	27	0313	7.3	2.2
W	0916	1.8	0.5	Th	0919	1.2	0.4
	1524	7.2	2.2		1529	7.9	2.4
	2145	1.3	0.4		2151	0.4	0.1
13	0354	6.9	2.1	28	0406	7.7	2.3
Th	0956	1.6	0.5	F	1009	0.9	0.3
	1606	7.4	2.3		1621	8.2	2.5
	2222	1.1	0.3		2241	0.2	0.1
14	0432	7.0	2.1	29	0454	7.9	2.4
F	1033	1.5	0.5	Sa	1058	0.7	0.2
	1642	7.5	2.3		1709	8.4	2.6
	2259	1.0	0.3		2327	0.1	0.0
15	0508	7.1	2.2	30	0538	8.0	2.4
Sa	1110	1.4	0.4	Su	1143	0.5	0.2
	1720	7.6	2.3		1754	8.4	2.6
	2336	1.0	0.3				
				31	0011	0.2	0.1
				M	0622	8.0	2.4
					1228	0.6	0.2
					1839	8.2	2.5

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0055	0.4	0.1	16	0028	0.7	0.2
Tu	0703	7.8	2.4	W	0634	7.7	2.3
	1311	0.7	0.2		1242	0.7	0.2
	1923	7.9	2.4		1854	7.9	2.4
2	0137	0.8	0.2	17	0103	0.8	0.2
W	0745	7.6	2.3	Th	0711	7.7	2.3
	1356	1.0	0.3		1321	0.8	0.2
	2008	7.5	2.3		1932	7.7	2.3
3	0219	1.2	0.4	18	0140	1.0	0.3
Th	0830	7.2	2.2	F	0750	7.5	2.3
	1441	1.4	0.4		1403	1.0	0.3
	2054	7.0	2.1		2017	7.4	2.3
4	0304	1.7	0.5	19	0225	1.4	0.4
F	0918	6.9	2.1	Sa	0835	7.3	2.2
	1531	1.8	0.5		1451	1.2	0.4
	2146	6.5	2.0		2107	7.0	2.1
5	0355	2.1	0.6	20	0315	1.8	0.5
Sa	1008	6.5	2.0	Su	0928	7.0	2.1
	1630	2.1	0.6		1549	1.6	0.5
	2246	6.2	1.9		2210	6.6	2.0
6	0453	2.5	0.8	21	0416	2.1	0.6
Su	1110	6.3	1.9	M	1034	6.7	2.0
	1736	2.3	0.7		1704	1.8	0.5
	2353	5.9	1.8		2326	6.3	1.9
7	0600	2.7	0.8	22	0536	2.4	0.7
M	1219	6.2	1.9	Tu	1155	6.6	2.0
	1845	2.3	0.7		1827	1.8	0.5
8	0106	5.9	1.8	23	0050	6.4	2.0
Tu	0709	2.6	0.8	W	0658	2.3	0.7
	1325	6.3	1.9		1315	6.8	2.1
	1951	2.2	0.7		1943	1.5	0.5
9	0207	6.1	1.9	24	0205	6.7	2.0
W	0810	2.4	0.7	Th	0813	1.9	0.6
	1423	6.5	2.0		1426	7.3	2.2
	2047	1.9	0.6		2050	1.1	0.3
10	0300	6.4	2.0	25	0305	7.2	2.2
Th	0903	2.1	0.6	F	0911	1.3	0.4
	1513	6.9	2.1		1524	7.7	2.3
	2132	1.6	0.5		2143	0.6	0.2
11	0343	6.7	2.0	26	0356	7.7	2.3
F	0945	1.8	0.5	Sa	1002	0.8	0.2
	1554	7.2	2.2		1612	8.2	2.5
	2210	1.3	0.4		2230	0.3	0.1
12	0420	7.0	2.1	27	0440	8.1	2.5
Sa	1022	1.5	0.5	Su	1047	0.4	0.1
	1633	7.5	2.3		1658	8.4	2.6
	2246	1.0	0.3		2311	0.1	0.0
13	0455	7.3	2.2	28	0520	8.3	2.5
Su	1059	1.2	0.4	M	1128	0.2	0.1
	1708	7.7	2.3		1739	8.5	2.6
	2321	0.8	0.2		2349	0.1	0.0
14	0528	7.5	2.3				
M	1132	1.0	0.3				
	1741	7.9	2.4				
	2354	0.7	0.2				
15	0602	7.7	2.3				
Tu	1207	0.8	0.2				
	1817	7.9	2.4				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0559	8.3	2.5	16	0535	8.1	2.5
Tu	1207	0.2	0.1	W	1143	0.3	0.1
	1817	8.4	2.6		1755	8.2	2.5
2	0027	0.3	0.1	17	0001	0.5	0.2
W	0634	8.2	2.5	Th	0607	8.2	2.5
	1244	0.3	0.1		1218	0.3	0.1
	1857	8.1	2.5		1828	8.1	2.5
3	0103	0.7	0.2	18	0034	0.6	0.2
Th	0711	7.9	2.4	F	0642	8.1	2.5
	1324	0.6	0.2		1255	0.3	0.1
	1934	7.7	2.3		1907	7.9	2.4
4	0140	1.1	0.3	19	0113	0.9	0.3
F	0748	7.6	2.3	Sa	0721	7.9	2.4
	1401	1.0	0.3		1337	0.6	0.2
	2012	7.1	2.2		1950	7.5	2.3
5	0217	1.6	0.5	20	0155	1.3	0.4
Sa	0827	7.1	2.2	Su	0804	7.5	2.3
	1443	1.5	0.5		1425	1.0	0.3
	2057	6.6	2.0		2040	7.0	2.1
6	0302	2.2	0.7	21	0243	1.8	0.5
Su	0912	6.6	2.0	M	0853	7.1	2.2
	1534	2.1	0.6		1523	1.5	0.5
	2151	6.1	1.9		2144	6.4	2.0
7	0355	2.6	0.8	22	0349	2.3	0.7
M	1011	6.1	1.9	Tu	1005	6.6	2.0
	1640	2.5	0.8		1640	1.9	0.6
	2302	5.7	1.7		2307	6.1	1.9
8	0508	3.0	0.9	23	0516	2.6	0.8
Tu	1128	5.8	1.8	W	1135	6.4	2.0
	1803	2.7	0.8		1813	2.0	0.6
9	0029	5.6	1.7	24	0040	6.2	1.9
W	0637	3.0	0.9	Th	0650	2.4	0.7
	1253	5.9	1.8		1306	6.6	2.0
	1925	2.5	0.8		1935	1.7	0.5
10	0146	5.9	1.8	25	0157	6.7	2.0
Th	0754	2.7	0.8	F	0805	1.9	0.6
	1405	6.2	1.9		1416	7.1	2.2
	2026	2.1	0.6		2036	1.2	0.4
11	0242	6.3	1.9	26	0252	7.3	2.2
F	0847	2.2	0.7	Sa	0901	1.3	0.4
	1455	6.7	2.0		1511	7.7	2.3
	2113	1.7	0.5		2127	0.7	0.2
12	0324	6.8	2.1	27	0338	7.8	2.4
Sa	0929	1.7	0.5	Su	0948	0.7	0.2
	1537	7.2	2.2		1558	8.1	2.5
	2151	1.3	0.4		2209	0.4	0.1
13	0401	7.2	2.2	28	0418	8.2	2.5
Su	1006	1.3	0.4	M	1028	0.3	0.1
	1614	7.6	2.3		1638	8.3	2.5
	2225	0.9	0.3		2247	0.2	0.1
14	0433	7.6	2.3	29	0455	8.4	2.6
M	1039	0.9	0.3	Tu	1105	0.0	0.0
	1646	7.9	2.4		1715	8.4	2.6
	2257	0.7	0.2		2323	0.3	0.1
15	0505	7.9	2.4	30	0530	8.5	2.6
Tu	1111	0.5	0.2	W	1141	0.0	0.0
	1721	8.1	2.5		1751	8.3	2.5
	2329	0.5	0.2		2356	0.4	0.1
				31	0602	8.3	2.5
				Th	1215	0.2	0.1
					1826	8.0	2.4

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.
Seasonal variations in sea level have not been included in these predictions.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0028	0.7	0.2	16	0010	0.6	0.2
F	0636	8.1	2.5	Sa	0616	8.3	2.5
	1249	0.5	0.2		1234	0.2	0.1
	1900	7.6	2.3		1847	7.8	2.4
2	0103	1.1	0.3	17	0049	1.0	0.3
Sa	0709	7.7	2.3	Su	0657	8.0	2.4
	1326	0.9	0.3		1317	0.5	0.2
	1937	7.1	2.2		1932	7.4	2.3
3	0137	1.6	0.5	18	0133	1.4	0.4
Su	0745	7.2	2.2	M	0745	7.6	2.3
	1404	1.4	0.4		1409	1.0	0.3
	2017	6.6	2.0		2024	6.8	2.1
4	0217	2.2	0.7	19	0225	2.0	0.6
M	0829	6.7	2.0	Tu	0841	7.0	2.1
	1451	2.0	0.6		1510	1.6	0.5
	2107	6.0	1.8		2133	6.3	1.9
5	0310	2.7	0.8	20	0338	2.5	0.8
Tu	0923	6.1	1.9	W	0955	6.5	2.0
	1555	2.5	0.8		1631	2.0	0.6
	2219	5.6	1.7		2259	6.1	1.9
6	0427	3.1	0.9	21	0510	2.6	0.8
W	1044	5.8	1.8	Th	1126	6.3	1.9
	1721	2.7	0.8		1801	2.0	0.6
	2352	5.6	1.7				
7	0603	3.1	0.9	22	0029	6.3	1.9
Th	1219	5.8	1.8	F	0640	2.3	0.7
	1850	2.6	0.8		1253	6.6	2.0
					1917	1.7	0.5
8	0114	5.9	1.8	23	0138	6.8	2.1
F	0725	2.7	0.8	Sa	0747	1.8	0.5
	1335	6.1	1.9		1359	7.1	2.2
	1954	2.2	0.7		2015	1.3	0.4
9	0210	6.4	2.0	24	0228	7.3	2.2
Sa	0820	2.2	0.7	Su	0839	1.2	0.4
	1431	6.7	2.0		1450	7.5	2.3
	2042	1.7	0.5		2101	0.9	0.3
10	0252	6.9	2.1	25	0313	7.8	2.4
Su	0900	1.6	0.5	M	0924	0.7	0.2
	1509	7.2	2.2		1535	7.9	2.4
	2121	1.2	0.4		2140	0.7	0.2
11	0329	7.4	2.3	26	0350	8.1	2.5
M	0937	1.1	0.3	Tu	1002	0.3	0.1
	1545	7.6	2.3		1612	8.0	2.4
	2154	0.9	0.3		2217	0.6	0.2
12	0401	7.8	2.4	27	0425	8.3	2.5
Tu	1012	0.6	0.2	W	1038	0.2	0.1
	1621	8.0	2.4		1648	8.1	2.5
	2227	0.6	0.2		2252	0.6	0.2
13	0435	8.1	2.5	28	0459	8.3	2.5
W	1045	0.3	0.1	Th	1113	0.2	0.1
	1655	8.2	2.5		1722	8.0	2.4
	2300	0.5	0.2		2324	0.7	0.2
14	0507	8.4	2.6	29	0531	8.2	2.5
Th	1119	0.0	0.0	F	1146	0.3	0.1
	1730	8.2	2.5		1755	7.7	2.3
	2335	0.5	0.2		2357	1.0	0.3
15	0541	8.4	2.6	30	0604	8.0	2.4
F	1156	0.0	0.0	Sa	1220	0.6	0.2
	1807	8.1	2.5		1830	7.4	2.3

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0030	1.3	0.4	16	0034	1.1	0.3
Su	0638	7.6	2.3	M	0644	8.0	2.4
	1255	1.0	0.3		1307	0.6	0.2
	1905	7.0	2.1		1921	7.2	2.2
2	0105	1.7	0.5	17	0124	1.5	0.5
M	0715	7.2	2.2	Tu	0734	7.5	2.3
	1337	1.4	0.4		1401	1.1	0.3
	1948	6.5	2.0		2019	6.8	2.1
3	0148	2.2	0.7	18	0222	2.0	0.6
Tu	0800	6.7	2.0	W	0835	7.0	2.1
	1424	1.9	0.6		1507	1.5	0.5
	2041	6.1	1.9		2128	6.5	2.0
4	0241	2.6	0.8	19	0334	2.3	0.7
W	0854	6.2	1.9	Th	0949	6.6	2.0
	1523	2.3	0.7		1621	1.8	0.5
	2147	5.8	1.8		2247	6.3	1.9
5	0355	2.9	0.9	20	0458	2.4	0.7
Th	1010	5.9	1.8	F	1112	6.5	2.0
	1642	2.6	0.8		1739	1.9	0.6
	2311	5.7	1.7				
6	0523	2.9	0.9	21	0003	6.5	2.0
F	1137	5.9	1.8	Sa	0616	2.1	0.6
	1803	2.5	0.8		1229	6.7	2.0
					1848	1.7	0.5
7	0027	6.0	1.8	22	0107	6.9	2.1
Sa	0639	2.6	0.8	Su	0720	1.7	0.5
	1248	6.2	1.9		1330	7.0	2.1
	1907	2.1	0.6		1943	1.5	0.5
8	0125	6.5	2.0	23	0157	7.3	2.2
Su	0735	2.1	0.6	M	0811	1.2	0.4
	1346	6.7	2.0		1423	7.2	2.2
	1957	1.7	0.5		2028	1.2	0.4
9	0210	7.0	2.1	24	0240	7.6	2.3
M	0821	1.5	0.5	Tu	0855	0.9	0.3
	1431	7.1	2.2		1505	7.5	2.3
	2039	1.3	0.4		2111	1.1	0.3
10	0250	7.5	2.3	25	0319	7.8	2.4
Tu	0901	1.0	0.3	W	0935	0.6	0.2
	1511	7.6	2.3		1545	7.6	2.3
	2119	0.9	0.3		2146	1.0	0.3
11	0327	7.9	2.4	26	0356	8.0	2.4
W	0940	0.5	0.2	Th	1010	0.5	0.2
	1550	7.9	2.4		1620	7.6	2.3
	2156	0.7	0.2		2221	1.0	0.3
12	0404	8.2	2.5	27	0428	8.0	2.4
Th	1017	0.2	0.1	F	1046	0.5	0.2
	1629	8.1	2.5		1656	7.5	2.3
	2233	0.6	0.2		2256	1.1	0.3
13	0440	8.4	2.6	28	0503	7.9	2.4
F	1057	0.0	0.0	Sa	1120	0.6	0.2
	1707	8.1	2.5		1731	7.4	2.3
	2310	0.6	0.2		2329	1.3	0.4
14	0519	8.5	2.6	29	0538	7.8	2.4
Sa	1136	0.0	0.0	Su	1156	0.8	0.2
	1747	7.9	2.4		1807	7.2	2.2
	2350	0.8	0.2				
15	0559	8.3	2.5	30	0005	1.5	0.5
Su	1220	0.2	0.1	M	0614	7.5	2.3
	1833	7.6	2.3		1234	1.1	0.3
					1844	6.9	2.1
				31	0044	1.8	0.5
				Tu	0655	7.2	2.2
					1316	1.4	0.4
					1927	6.6	2.0

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0129	2.1	0.6	16	0217	1.7	0.5
W	0740	6.8	2.1	Th	0830	7.2	2.2
	1404	1.8	0.5		1457	1.3	0.4
	2017	6.3	1.9		2115	6.8	2.1
2	0222	2.4	0.7	17	0323	1.9	0.6
Th	0833	6.5	2.0	F	0936	6.9	2.1
	1459	2.1	0.6		1600	1.6	0.5
	2118	6.1	1.9		2218	6.7	2.0
3	0323	2.6	0.8	18	0432	2.0	0.6
F	0936	6.3	1.9	Sa	1045	6.7	2.0
	1603	2.2	0.7		1704	1.8	0.5
	2224	6.1	1.9		2324	6.7	2.0
4	0434	2.6	0.8	19	0539	1.9	0.6
Sa	1048	6.2	1.9	Su	1153	6.7	2.0
	1710	2.2	0.7		1808	1.8	0.5
	2331	6.3	1.9				
5	0545	2.4	0.7	20	0024	6.8	2.1
Su	1155	6.4	2.0	M	0641	1.7	0.5
	1813	2.0	0.6		1253	6.7	2.0
					1904	1.8	0.5
6	0029	6.6	2.0	21	0117	7.0	2.1
M	0645	2.0	0.6	Tu	0735	1.5	0.5
	1256	6.7	2.0		1349	6.8	2.1
	1909	1.8	0.5		1954	1.7	0.5
7	0122	7.0	2.1	22	0205	7.2	2.2
Tu	0736	1.5	0.5	W	0823	1.3	0.4
	1347	7.0	2.1		1436	6.9	2.1
	1957	1.5	0.5		2036	1.6	0.5
8	0208	7.4	2.3	23	0247	7.4	2.3
W	0823	1.0	0.3	Th	0908	1.1	0.3
	1436	7.4	2.3		1516	7.0	2.1
	2042	1.2	0.4		2118	1.5	0.5
9	0252	7.8	2.4	24	0327	7.5	2.3
Th	0909	0.6	0.2	F	0946	1.0	0.3
	1521	7.6	2.3		1556	7.1	2.2
	2124	0.9	0.3		2157	1.5	0.5
10	0336	8.1	2.5	25	0406	7.6	2.3
F	0953	0.3	0.1	Sa	1025	1.0	0.3
	1606	7.8	2.4		1635	7.1	2.2
	2209	0.8	0.2		2234	1.5	0.5
11	0418	8.3	2.5	26	0443	7.6	2.3
Sa	1038	0.1	0.0	Su	1102	1.0	0.3
	1651	7.8	2.4		1712	7.1	2.2
	2251	0.8	0.2		2311	1.5	0.5
12	0503	8.3	2.5	27	0522	7.5	2.3
Su	1123	0.2	0.1	M	1140	1.0	0.3
	1736	7.8	2.4		1749	7.0	2.1
	2338	0.9	0.3		2349	1.5	0.5
13	0549	8.2	2.5	28	0559	7.4	2.3
M	1210	0.3	0.1	Tu	1218	1.2	0.4
	1826	7.6	2.3		1828	6.9	2.1
14	0026	1.1	0.3	29	0031	1.6	0.5
Tu	0639	8.0	2.4	W	0639	7.3	2.2
	1302	0.6	0.2		1300	1.3	0.4
	1916	7.3	2.2		1911	6.8	2.1
15	0119	1.4	0.4	30	0111	1.8	0.5
W	0732	7.6	2.3	Th	0724	7.1	2.2
	1356	1.0	0.3		1342	1.5	0.5
	2012	7.0	2.1		1955	6.7	2.0

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.
Seasonal variations in sea level have not been included in these predictions.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0200	1.9	0.6	16	0257	1.4	0.4
F	0809	6.9	2.1	Sa	0910	7.2	2.2
	1430	1.7	0.5		1526	1.5	0.5
	2043	6.6	2.0		2142	7.0	2.1
2	0251	2.0	0.6	17	0355	1.7	0.5
Sa	0903	6.7	2.0	Su	1008	6.8	2.1
	1520	1.8	0.5		1623	1.8	0.5
	2136	6.5	2.0		2237	6.8	2.1
3	0347	2.1	0.6	18	0456	1.8	0.5
Su	1002	6.6	2.0	M	1110	6.5	2.0
	1619	1.9	0.6		1720	2.1	0.6
	2233	6.6	2.0		2336	6.7	2.0
4	0448	2.0	0.6	19	0557	1.9	0.6
M	1103	6.6	2.0	Tu	1213	6.4	2.0
	1717	2.0	0.6		1821	2.2	0.7
	2333	6.7	2.0				
5	0550	1.8	0.5	20	0035	6.6	2.0
Tu	1206	6.6	2.0	W	0658	1.9	0.6
	1816	1.9	0.6		1314	6.4	2.0
					1917	2.2	0.7
6	0032	6.9	2.1	21	0130	6.7	2.0
W	0653	1.5	0.5	Th	0754	1.8	0.5
	1306	6.8	2.1		1407	6.4	2.0
	1915	1.7	0.5		2010	2.1	0.6
7	0130	7.2	2.2	22	0223	6.9	2.1
Th	0751	1.2	0.4	F	0844	1.6	0.5
	1405	7.1	2.2		1455	6.6	2.0
	2010	1.5	0.5		2058	2.0	0.6
8	0223	7.6	2.3	23	0308	7.0	2.1
F	0844	0.8	0.2	Sa	0929	1.4	0.4
	1458	7.3	2.2		1540	6.7	2.0
	2103	1.2	0.4		2140	1.8	0.5
9	0313	7.9	2.4	24	0351	7.2	2.2
Sa	0935	0.5	0.2	Su	1009	1.3	0.4
	1550	7.5	2.3		1620	6.9	2.1
	2153	1.0	0.3		2221	1.6	0.5
10	0404	8.1	2.5	25	0431	7.4	2.3
Su	1025	0.3	0.1	M	1048	1.2	0.4
	1639	7.7	2.3		1658	7.1	2.2
	2243	0.9	0.3		2300	1.5	0.5
11	0454	8.3	2.5	26	0509	7.5	2.3
M	1115	0.2	0.1	Tu	1125	1.1	0.3
	1728	7.8	2.4		1735	7.2	2.2
	2332	0.8	0.2		2337	1.4	0.4
12	0543	8.3	2.5	27	0546	7.5	2.3
Tu	1204	0.3	0.1	W	1201	1.0	0.3
	1817	7.7	2.3		1810	7.2	2.2
13	0020	0.9	0.3	28	0014	1.3	0.4
W	0633	8.1	2.5	Th	0623	7.5	2.3
	1252	0.5	0.2		1238	1.1	0.3
	1905	7.6	2.3		1847	7.2	2.2
14	0111	1.0	0.3	29	0052	1.3	0.4
Th	0723	7.9	2.4	F	0703	7.5	2.3
	1342	0.8	0.2		1316	1.2	0.4
	1955	7.4	2.3		1924	7.2	2.2
15	0201	1.2	0.4	30	0132	1.3	0.4
F	0814	7.5	2.3	Sa	0742	7.3	2.2
	1433	1.1	0.3		1356	1.3	0.4
	2046	7.2	2.2		2004	7.1	2.2
				31	0214	1.4	0.4
				Su	0827	7.1	2.2
					1441	1.5	0.5
					2049	7.0	2.1

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0304	1.6	0.5	16	0407	1.9	0.6
M	0918	6.9	2.1	Tu	1021	6.3	1.9
	1528	1.8	0.5		1631	2.4	0.7
	2142	6.9	2.1		2245	6.4	2.0
2	0400	1.7	0.5	17	0509	2.2	0.7
Tu	1016	6.7	2.0	W	1128	6.0	1.8
	1627	2.0	0.6		1736	2.6	0.8
	2240	6.8	2.1		2352	6.2	1.9
3	0504	1.8	0.5	18	0621	2.3	0.7
W	1122	6.5	2.0	Th	1240	5.9	1.8
	1732	2.1	0.6		1846	2.7	0.8
	2348	6.8	2.1				
4	0613	1.7	0.5	19	0101	6.2	1.9
Th	1233	6.5	2.0	F	0728	2.2	0.7
	1841	2.0	0.6		1346	6.1	1.9
					1951	2.5	0.8
5	0058	7.0	2.1	20	0205	6.5	2.0
F	0722	1.4	0.4	Sa	0826	2.0	0.6
	1341	6.8	2.1		1442	6.3	1.9
	1949	1.8	0.5		2044	2.2	0.7
6	0202	7.3	2.2	21	0255	6.8	2.1
Sa	0828	1.1	0.3	Su	0913	1.7	0.5
	1444	7.1	2.2		1527	6.7	2.0
	2050	1.5	0.5		2129	1.9	0.6
7	0303	7.7	2.3	22	0340	7.1	2.2
Su	0924	0.7	0.2	M	0956	1.4	0.4
	1540	7.5	2.3		1604	7.0	2.1
	2145	1.1	0.3		2209	1.5	0.5
8	0356	8.0	2.4	23	0418	7.4	2.3
M	1017	0.4	0.1	Tu	1033	1.1	0.3
	1630	7.8	2.4		1641	7.3	2.2
	2235	0.7	0.2		2243	1.2	0.4
9	0447	8.3	2.5	24	0453	7.6	2.3
Tu	1104	0.2	0.1	W	1107	0.9	0.3
	1716	8.0	2.4		1714	7.5	2.3
	2322	0.5	0.2		2318	1.0	0.3
10	0533	8.4	2.6	25	0527	7.8	2.4
W	1149	0.2	0.1	Th	1139	0.8	0.2
	1800	8.1	2.5		1746	7.6	2.3
					2352	0.8	0.2
11	0007	0.4	0.1	26	0602	7.9	2.4
Th	0619	8.4	2.6	F	1211	0.8	0.2
	1233	0.3	0.1		1818	7.7	2.3
	1844	8.0	2.4				
12	0052	0.5	0.2	27	0025	0.8	0.2
F	0703	8.1	2.5	Sa	0636	7.8	2.4
	1316	0.6	0.2		1244	0.9	0.3
	1926	7.8	2.4		1850	7.7	2.3
13	0137	0.7	0.2	28	0102	0.8	0.2
Sa	0748	7.7	2.3	Su	0711	7.7	2.3
	1401	1.0	0.3		1319	1.1	0.3
	2009	7.5	2.3		1929	7.5	2.3
14	0222	1.1	0.3	29	0140	0.9	0.3
Su	0835	7.3	2.2	M	0753	7.4	2.3
	1445	1.5	0.5		1401	1.4	0.4
	2054	7.1	2.2		2009	7.3	2.2
15	0312	1.5	0.5	30	0225	1.2	0.4
M	0926	6.8	2.1	Tu	0841	7.0	2.1
	1534	2.0	0.6		1446	1.7	0.5
	2147	6.7	2.0		2057	7.0	2.1
				31	0320	1.5	0.5
				W	0938	6.6	2.0
					1544	2.1	0.6
					2159	6.7	2.0

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0427	1.8	0.5	16	0544	2.6	0.8
Th	1049	6.3	1.9	F	1211	5.7	1.7
	1658	2.4	0.7		1821	3.0	0.9
	2315	6.6	2.0				
2	0548	1.9	0.6	17	0035	5.9	1.8
F	1213	6.3	1.9	Sa	0706	2.5	0.8
	1821	2.4	0.7		1328	5.9	1.8
					1935	2.7	0.8
3	0038	6.7	2.0	18	0146	6.2	1.9
Sa	0709	1.7	0.5	Su	0807	2.1	0.6
	1330	6.6	2.0		1423	6.3	1.9
	1938	2.0	0.6		2031	2.2	0.7
4	0154	7.1	2.2	19	0240	6.7	2.0
Su	0818	1.2	0.4	M	0855	1.7	0.5
	1436	7.1	2.2		1508	6.8	2.1
	2044	1.5	0.5		2113	1.7	0.5
5	0255	7.6	2.3	20	0321	7.1	2.2
M	0914	0.7	0.2	Tu	0933	1.3	0.4
	1529	7.6	2.3		1543	7.2	2.2
	2135	0.9	0.3		2150	1.3	0.4
6	0346	8.1	2.5	21	0356	7.5	2.3
Tu	1001	0.4	0.1	W	1006	1.0	0.3
	1614	8.0	2.4		1615	7.5	2.3
	2222	0.4	0.1		2222	0.9	0.3
7	0433	8.4	2.6	22	0430	7.8	2.4
W	1047	0.1	0.0	Th	1038	0.8	0.2
	1657	8.3	2.5		1646	7.8	2.4
	2306	0.1	0.0		2254	0.6	0.2
8	0516	8.5	2.6	23	0502	8.0	2.4
Th	1127	0.1	0.0	F	1110	0.6	0.2
	1736	8.4	2.6		1715	8.0	2.4
	2346	0.0	0.0		2325	0.4	0.1
9	0557	8.5	2.6	24	0535	8.1	2.5
F	1206	0.2	0.1	Sa	1140	0.6	0.2
	1815	8.4	2.6		1746	8.1	2.5
					2357	0.3	0.1
10	0025	0.1	0.0	25	0608	8.0	2.4
Sa	0636	8.2	2.5	Su	1213	0.7	0.2
	1243	0.6	0.2		1820	8.0	2.4
	1852	8.1	2.5				
11	0105	0.4	0.1	26	0033	0.4	0.1
Su	0715	7.8	2.4	M	0644	7.8	2.4
	1321	1.0	0.3		1247	1.0	0.3
	1929	7.7	2.3		1855	7.9	2.4
12	0145	0.9	0.3	27	0111	0.6	0.2
M	0756	7.3	2.2	Tu	0724	7.4	2.3
	1401	1.5	0.5		1327	1.3	0.4
	2009	7.2	2.2		1937	7.5	2.3
13	0227	1.4	0.4	28	0156	1.0	0.3
Tu	0841	6.7	2.0	W	0812	7.0	2.1
	1443	2.1	0.6		1414	1.8	0.5
	2057	6.7	2.0		2025	7.1	2.2
14	0318	1.9	0.6	29	0251	1.5	0.5
W	0934	6.1	1.9	Th	0910	6.5	2.0
	1539	2.6	0.8		1515	2.3	0.7
	2152	6.2	1.9		2131	6.6	2.0
15	0423	2.4	0.7	30	0403	1.9	0.6
Th	1046	5.7	1.7	F	1029	6.1	1.9
	1653	3.0	0.9		1639	2.6	0.8
	2309	5.9	1.8		2256	6.4	2.0

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.
Seasonal variations in sea level have not been included in these predictions.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0534	2.0	0.6	16	0005	5.8	1.8
Sa	1203	6.2	1.9	Su	0635	2.5	0.8
	1813	2.5	0.8		1258	5.9	1.8
					1907	2.7	0.8
2	0029	6.5	2.0	17	0117	6.1	1.9
Su	0658	1.7	0.5	M	0738	2.2	0.7
	1322	6.6	2.0		1354	6.4	2.0
	1933	2.0	0.6		2002	2.2	0.7
3	0143	7.0	2.1	18	0210	6.6	2.0
M	0805	1.2	0.4	Tu	0823	1.7	0.5
	1423	7.2	2.2		1436	6.9	2.1
	2031	1.3	0.4		2044	1.6	0.5
4	0242	7.6	2.3	19	0252	7.1	2.2
Tu	0858	0.8	0.2	W	0900	1.3	0.4
	1511	7.8	2.4		1511	7.3	2.2
	2121	0.7	0.2		2121	1.1	0.3
5	0332	8.1	2.5	20	0327	7.5	2.3
W	0943	0.4	0.1	Th	0935	1.0	0.3
	1553	8.2	2.5		1543	7.7	2.3
	2204	0.2	0.1		2153	0.7	0.2
6	0414	8.4	2.6	21	0402	7.8	2.4
Th	1022	0.2	0.1	F	1006	0.7	0.2
	1631	8.5	2.6		1614	8.1	2.5
	2243	-0.1	0.0		2225	0.4	0.1
7	0454	8.5	2.6	22	0434	8.0	2.4
F	1059	0.2	0.1	Sa	1039	0.6	0.2
	1707	8.6	2.6		1646	8.3	2.5
	2320	-0.1	0.0		2257	0.2	0.1
8	0530	8.4	2.6	23	0508	8.1	2.5
Sa	1135	0.4	0.1	Su	1111	0.6	0.2
	1741	8.5	2.6		1718	8.3	2.5
	2355	0.0	0.0		2332	0.1	0.0
9	0607	8.1	2.5	24	0543	8.0	2.4
Su	1209	0.7	0.2	M	1145	0.7	0.2
	1817	8.2	2.5		1753	8.2	2.5
10	0031	0.4	0.1	25	0010	0.3	0.1
M	0642	7.7	2.3	Tu	0620	7.8	2.4
	1244	1.1	0.3		1223	1.0	0.3
	1852	7.8	2.4		1830	8.0	2.4
11	0109	0.8	0.2	26	0049	0.6	0.2
Tu	0721	7.1	2.2	W	0703	7.4	2.3
	1321	1.6	0.5		1305	1.4	0.4
	1929	7.3	2.2		1915	7.6	2.3
12	0150	1.4	0.4	27	0139	1.0	0.3
W	0803	6.6	2.0	Th	0753	6.9	2.1
	1401	2.2	0.7		1356	1.9	0.6
	2012	6.7	2.0		2009	7.1	2.2
13	0238	2.0	0.6	28	0238	1.5	0.5
Th	0854	6.0	1.8	F	0857	6.4	2.0
	1457	2.7	0.8		1502	2.4	0.7
	2110	6.1	1.9		2118	6.6	2.0
14	0342	2.5	0.8	29	0354	1.9	0.6
F	1008	5.6	1.7	Sa	1021	6.1	1.9
	1613	3.1	0.9		1629	2.6	0.8
	2231	5.8	1.8		2248	6.4	2.0
15	0508	2.7	0.8	30	0523	2.0	0.6
Sa	1137	5.6	1.7	Su	1152	6.3	1.9
	1750	3.1	0.9		1803	2.4	0.7
				31	0018	6.6	2.0
				M	0643	1.7	0.5
					1304	6.7	2.0
					1917	1.8	0.5

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0128	7.0	2.1	16	0128	6.6	2.0
Tu	0743	1.3	0.4	W	0741	1.8	0.5
	1400	7.3	2.2		1354	6.9	2.1
	2013	1.2	0.4		2005	1.6	0.5
2	0223	7.5	2.3	17	0215	7.0	2.1
W	0834	0.9	0.3	Th	0823	1.4	0.4
	1447	7.8	2.4		1432	7.3	2.2
	2058	0.6	0.2		2044	1.1	0.3
3	0308	7.9	2.4	18	0255	7.4	2.3
Th	0916	0.6	0.2	F	0900	1.1	0.3
	1527	8.2	2.5		1508	7.8	2.4
	2140	0.2	0.1		2121	0.7	0.2
4	0350	8.1	2.5	19	0332	7.7	2.3
F	0956	0.5	0.2	Sa	0935	0.9	0.3
	1604	8.4	2.6		1543	8.1	2.5
	2217	0.0	0.0		2158	0.4	0.1
5	0428	8.2	2.5	20	0406	7.9	2.4
Sa	1030	0.5	0.2	Su	1010	0.7	0.2
	1638	8.5	2.6		1618	8.3	2.5
	2253	0.0	0.0		2234	0.2	0.1
6	0503	8.0	2.4	21	0444	8.0	2.4
Su	1105	0.6	0.2	M	1047	0.7	0.2
	1711	8.3	2.5		1655	8.4	2.6
	2328	0.2	0.1		2314	0.1	0.0
7	0538	7.8	2.4	22	0523	7.9	2.4
M	1138	0.9	0.3	Tu	1125	0.8	0.2
	1746	8.1	2.5		1734	8.3	2.5
					2354	0.3	0.1
8	0003	0.5	0.2	23	0607	7.6	2.3
Tu	0614	7.4	2.3	W	1207	1.1	0.3
	1214	1.3	0.4		1818	8.0	2.4
	1820	7.7	2.3				
9	0039	0.9	0.3	24	0039	0.6	0.2
W	0651	7.0	2.1	Th	0652	7.3	2.2
	1249	1.7	0.5		1255	1.4	0.4
	1900	7.3	2.2		1905	7.6	2.3
10	0121	1.4	0.4	25	0132	1.0	0.3
Th	0732	6.6	2.0	F	0748	6.9	2.1
	1332	2.2	0.7		1348	1.8	0.5
	1942	6.7	2.0		2003	7.2	2.2
11	0209	1.9	0.6	26	0230	1.4	0.4
F	0825	6.1	1.9	Sa	0851	6.6	2.0
	1425	2.6	0.8		1457	2.2	0.7
	2041	6.3	1.9		2112	6.7	2.0
12	0309	2.3	0.7	27	0343	1.8	0.5
Sa	0931	5.8	1.8	Su	1007	6.4	2.0
	1538	2.9	0.9		1619	2.3	0.7
	2154	5.9	1.8		2234	6.5	2.0
13	0427	2.6	0.8	28	0501	1.9	0.6
Su	1053	5.7	1.7	M	1125	6.5	2.0
	1705	2.9	0.9		1739	2.1	0.6
	2319	5.9	1.8		2354	6.6	2.0
14	0546	2.5	0.8	29	0613	1.7	0.5
M	1209	6.0	1.8	Tu	1233	6.8	2.1
	1821	2.6	0.8		1848	1.7	0.5
15	0033	6.2	1.9	30	0101	6.9	2.1
Tu	0650	2.2	0.7	W	0714	1.5	0.5
	1309	6.4	2.0		1330	7.2	2.2
	1920	2.2	0.7		1943	1.3	0.4

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0157	7.2	2.2	16	0130	6.8	2.1
Th	0805	1.3	0.4	F	0738	1.7	0.5
	1416	7.6	2.3		1349	7.2	2.2
	2031	0.9	0.3		2007	1.3	0.4
2	0244	7.5	2.3	17	0216	7.1	2.2
F	0847	1.1	0.3	Sa	0823	1.4	0.4
	1458	7.9	2.4		1434	7.6	2.3
	2114	0.6	0.2		2050	0.9	0.3
3	0324	7.6	2.3	18	0303	7.4	2.3
Sa	0927	1.0	0.3	Su	0905	1.2	0.4
	1537	8.0	2.4		1516	7.9	2.4
	2153	0.4	0.1		2135	0.5	0.2
4	0404	7.6	2.3	19	0345	7.6	2.3
Su	1005	1.0	0.3	M	0948	1.0	0.3
	1614	8.1	2.5		1558	8.1	2.5
	2230	0.4	0.1		2217	0.3	0.1
5	0441	7.6	2.3	20	0430	7.7	2.3
M	1040	1.0	0.3	Tu	1030	0.9	0.3
	1649	8.0	2.4		1640	8.3	2.5
	2306	0.5	0.2		2301	0.2	0.1
6	0515	7.4	2.3	21	0513	7.8	2.4
Tu	1115	1.2	0.4	W	1115	0.9	0.3
	1724	7.9	2.4		1725	8.3	2.5
	2341	0.7	0.2		2346	0.3	0.1
7	0551	7.2	2.2	22	0559	7.7	2.3
W	1151	1.4	0.4	Th	1202	1.0	0.3
	1801	7.6	2.3		1812	8.1	2.5
8	0020	1.0	0.3	23	0034	0.5	0.2
Th	0630	7.0	2.1	F	0647	7.5	2.3
	1231	1.7	0.5		1251	1.2	0.4
	1839	7.3	2.2		1903	7.8	2.4
9	0100	1.3	0.4	24	0126	0.8	0.2
F	0711	6.7	2.0	Sa	0740	7.2	2.2
	1313	2.0	0.6		1345	1.5	0.5
	1924	6.9	2.1		1958	7.5	2.3
10	0145	1.7	0.5	25	0222	1.1	0.3
Sa	0801	6.4	2.0	Su	0838	7.0	2.1
	1404	2.3	0.7		1446	1.7	0.5
	2014	6.6	2.0		2059	7.1	2.2
11	0239	2.0	0.6	26	0322	1.5	0.5
Su	0857	6.2	1.9	M	0939	6.8	2.1
	1502	2.5	0.8		1552	1.9	0.6
	2115	6.3	1.9		2208	6.8	2.1
12	0339	2.2	0.7	27	0427	1.7	0.5
M	1000	6.1	1.9	Tu	1047	6.7	2.0
	1611	2.6	0.8		1703	1.9	0.6
	2224	6.2	1.9		2318	6.7	2.0
13	0445	2.3	0.7	28	0534	1.9	0.6
Tu	1107	6.2	1.9	W	1150	6.8	2.1
	1720	2.5	0.8		1811	1.8	0.5
	2333	6.2	1.9				
14	0550	2.2	0.7	29	0024	6.7	2.0
W	1208	6.4	2.0	Th	0635	1.9	0.6
	1822	2.1	0.6		1250	6.9	2.1
					1912	1.6	0.5
15	0035	6.5	2.0	30	0125	6.8	2.1
Th	0648	2.0	0.6	F	0731	1.8	0.5
	1302	6.8	2.1		1343	7.1	2.2
	1917	1.7	0.5		2003	1.3	0.4
				31	0218	6.9	2.1
				Sa	0820	1.7	0.5
					1431	7.3	2.2
					2052	1.1	0.3

Time meridian 52° 30' W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.
Seasonal variations in sea level have not been included in these predictions.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0513	7.2	2.2	16 Su	0511	6.2	1.9
	1114	0.3	0.1		1107	1.0	0.3
	1725	7.9	2.4		1723	6.6	2.0
	2348	0.0	0.0		2337	0.7	0.2
2 Su	0603	7.2	2.2	17 M	0545	6.2	1.9
	1204	0.7	0.2		1141	1.0	0.3
	1815	7.5	2.3		1757	6.6	2.0
3 M	0041	0.0	0.0	18 Tu	0012	0.7	0.2
	0654	6.9	2.1		0620	5.9	1.8
	1256	1.3	0.4		1217	1.3	0.4
	1906	7.2	2.2		1833	6.2	1.9
4 Tu	0135	0.7	0.2	19 W	0049	1.0	0.3
	0747	6.2	1.9		0658	5.9	1.8
	1351	1.6	0.5		1255	1.3	0.4
	2000	6.6	2.0		1912	5.9	1.8
5 W	0231	1.3	0.4	20 Th	0130	1.3	0.4
	0844	5.9	1.8		0740	5.6	1.7
	1451	2.0	0.6		1339	1.6	0.5
	2059	6.2	1.9		1958	5.9	1.8
6 Th	0334	1.6	0.5	21 F	0216	1.3	0.4
	0948	5.6	1.7		0830	5.2	1.6
	1600	2.3	0.7		1432	1.6	0.5
	2206	5.9	1.8		2054	5.6	1.7
7 F	0444	2.0	0.6	22 Sa	0314	1.6	0.5
	1057	5.6	1.7		0931	5.2	1.6
	1714	2.3	0.7		1540	2.0	0.6
	2317	5.6	1.7		2202	5.2	1.6
8 Sa	0552	2.0	0.6	23 Su	0427	1.6	0.5
	1202	5.6	1.7		1042	5.2	1.6
	1820	2.0	0.6		1701	1.6	0.5
					2321	5.2	1.6
9 Su	0024	5.6	1.7	24 M	0545	1.3	0.4
	0649	2.0	0.6		1156	5.6	1.7
	1259	5.6	1.7		1817	1.3	0.4
	1914	1.6	0.5				
10 M	0121	5.6	1.7	25 Tu	0036	5.6	1.7
	0736	1.6	0.5		0652	1.0	0.3
	1346	5.9	1.8		1301	5.9	1.8
	2000	1.3	0.4		1921	0.7	0.2
11 Tu	0208	5.9	1.8	26 W	0140	5.9	1.8
	0816	1.3	0.4		0748	0.7	0.2
	1428	5.9	1.8		1358	6.2	1.9
	2041	1.0	0.3		2016	0.0	0.0
12 W	0250	5.9	1.8	27 Th	0236	6.6	2.0
	0853	1.0	0.3		0839	0.0	0.0
	1506	6.2	1.9		1450	6.9	2.1
	2118	0.7	0.2		2107	-0.7	-0.2
13 Th	0328	5.9	1.8	28 F	0326	6.9	2.1
	0927	1.0	0.3		0928	0.0	0.0
	1542	6.6	2.0		1538	7.2	2.2
	2153	0.7	0.2		2157	-1.0	-0.3
14 F	0403	6.2	1.9	29 Sa	0414	7.2	2.2
	1001	1.0	0.3		1015	-0.3	-0.1
	1616	6.6	2.0		1625	7.5	2.3
	2228	0.7	0.2		2245	-1.0	-0.3
15 Sa	0438	6.2	1.9	30 Su	0500	7.2	2.2
	1034	1.0	0.3		1101	0.0	0.0
	1650	6.6	2.0		1711	7.5	2.3
	2302	0.7	0.2		2333	-0.7	-0.2
				31 M	0545	6.9	2.1
					1147	0.0	0.0
					1757	7.5	2.3

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0019	-0.3	-0.1	16 W	0550	5.9	1.8
	0629	6.6	2.0		1151	0.0	0.0
	1232	0.0	0.0		1805	6.2	1.9
	1842	6.9	2.1				
2 W	0104	0.0	0.0	17 Th	0018	0.0	0.0
	0713	6.2	1.9		0625	5.6	1.7
	1317	0.7	0.2		1225	0.0	0.0
	1928	6.2	1.9		1842	5.9	1.8
3 Th	0149	0.7	0.2	18 F	0055	0.0	0.0
	0800	5.6	1.7		0703	5.2	1.6
	1405	1.3	0.4		1305	0.7	0.2
	2018	5.6	1.7		1924	5.6	1.7
4 F	0238	1.3	0.4	19 Sa	0137	0.7	0.2
	0853	4.9	1.5		0750	4.9	1.5
	1502	1.6	0.5		1354	0.7	0.2
	2115	4.9	1.5		2017	4.9	1.5
5 Sa	0340	1.6	0.5	20 Su	0230	1.0	0.3
	0957	4.6	1.4		0848	4.6	1.4
	1619	1.6	0.5		1459	1.0	0.3
	2227	4.6	1.4		2126	4.6	1.4
6 Su	0503	2.0	0.6	21 M	0345	1.3	0.4
	1114	4.6	1.4		1002	4.6	1.4
	1747	1.6	0.5		1630	1.0	0.3
	2351	4.3	1.3		2256	4.6	1.4
7 M	0622	1.6	0.5	22 Tu	0521	1.3	0.4
	1229	4.6	1.4		1130	4.6	1.4
	1855	1.3	0.4		1804	0.7	0.2
8 Tu	0103	4.6	1.4	23 W	0026	4.6	1.4
	0718	1.3	0.4		0640	0.7	0.2
	1327	4.9	1.5		1247	5.2	1.6
	1946	1.0	0.3		1913	0.0	0.0
9 W	0156	4.9	1.5	24 Th	0134	5.2	1.6
	0802	1.0	0.3		0739	0.0	0.0
	1413	5.2	1.6		1348	5.9	1.8
	2027	0.7	0.2		2008	-0.7	-0.2
10 Th	0238	5.2	1.6	25 F	0228	5.9	1.8
	0840	0.7	0.2		0830	0.0	0.0
	1452	5.6	1.7		1439	6.6	2.0
	2104	0.0	0.0		2058	-1.0	-0.3
11 F	0314	5.2	1.6	26 Sa	0315	6.6	2.0
	0914	0.3	0.1		0916	-0.7	-0.2
	1527	5.9	1.8		1525	6.9	2.1
	2138	0.0	0.0		2144	-1.3	-0.4
12 Sa	0347	5.6	1.7	27 Su	0358	6.9	2.1
	0946	0.0	0.0		1000	-1.0	-0.3
	1559	6.2	1.9		1609	7.2	2.2
	2210	0.0	0.0		2228	-1.3	-0.4
13 Su	0418	5.9	1.8	28 M	0440	6.9	2.1
	1017	0.0	0.0		1042	-1.0	-0.3
	1630	6.2	1.9		1652	7.2	2.2
	2242	0.0	0.0		2310	-1.3	-0.4
14 M	0448	5.9	1.8				
	1047	0.0	0.0				
	1700	6.2	1.9				
	2313	0.0	0.0				
15 Tu	0518	5.9	1.8				
	1118	0.0	0.0				
	1732	6.2	1.9				
	2345	0.0	0.0				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0519	6.6	2.0	16 W	0450	6.2	1.9
	1123	-0.7	-0.2		1052	-0.3	-0.1
	1733	6.9	2.1		1705	6.6	2.0
	2350	-1.0	-0.3		2316	-0.3	-0.1
2 W	0559	6.2	1.9	17 Th	0521	6.2	1.9
	1202	-0.3	-0.1		1125	-0.3	-0.1
	1814	6.6	2.0		1740	6.2	1.9
					2350	0.0	0.0
3 Th	0028	0.0	0.0	18 F	0556	5.9	1.8
	0638	5.9	1.8		1200	0.0	0.0
	1241	0.0	0.0		1818	5.9	1.8
	1855	5.9	1.8				
4 F	0105	0.0	0.0	19 Sa	0026	0.0	0.0
	0718	5.2	1.6		0636	5.6	1.7
	1322	0.7	0.2		1241	0.0	0.0
	1939	5.2	1.6		1902	5.6	1.7
5 Sa	0144	1.0	0.3	20 Su	0109	0.7	0.2
	0802	4.6	1.4		0723	5.2	1.6
	1410	1.0	0.3		1332	0.7	0.2
	2029	4.3	1.3		1958	4.9	1.5
6 Su	0232	1.3	0.4	21 M	0203	1.0	0.3
	0859	4.3	1.3		0822	4.9	1.5
	1519	1.3	0.4		1441	1.0	0.3
	2136	3.9	1.2		2111	4.6	1.4
7 M	0355	1.6	0.5	22 Tu	0324	1.6	0.5
	1019	3.9	1.2		0941	4.6	1.4
	1707	1.6	0.5		1620	1.0	0.3
	2313	3.6	1.1		2248	4.6	1.4
8 Tu	0549	1.6	0.5	23 W	0511	1.6	0.5
	1155	3.9	1.2		1115	4.9	1.5
	1831	1.3	0.4		1757	0.7	0.2
9 W	0042	3.9	1.2	24 Th	0021	4.9	1.5
	0657	1.3	0.4		0631	1.0	0.3
	1304	4.3	1.3		1235	5.2	1.6
	1924	0.7	0.2		1903	0.0	0.0
10 Th	0138	4.3	1.3	25 F	0125	5.6	1.7
	0743	1.0	0.3		0728	0.7	0.2
	1352	4.9	1.5		1335	5.9	1.8
	2005	0.3	0.1		1956	0.0	0.0
11 F	0217	4.9	1.5	26 Sa	0214	6.2	1.9
	0819	0.3	0.1		0815	0.0	0.0
	1430	5.2	1.6		1424	6.6	2.0
	2040	0.0	0.0		2042	-0.7	-0.2
12 Sa	0251	5.2	1.6	27 Su	0257	6.9	2.1
	0852	0.0	0.0		0859	-0.3	-0.1
	1503	5.6	1.7		1508	7.2	2.2
	2112	0.0	0.0		2124	-1.0	-0.3
13 Su	0321	5.6	1.7	28 M	0337	7.2	2.2
	0922	0.0	0.0		0939	-0.7	-0.2
	1534	6.2	1.9		1549	7.5	2.3
	2143	-0.7	-0.2		2204	-1.0	-0.3
14 M	0350	5.9	1.8	29 Tu	0415	7.2	2.2
	0952	-0.3	-0.1		1018	-0.7	-0.2
	1603	6.2	1.9		1629	7.5	2.3
	2214	-0.7	-0.2		2242	-0.7	-0.2
15 Tu	0419	6.2	1.9	30 W	0452	6.9	2.1
	1021	-0.3	-0.1		1056	-0.3	-0.1
	1634	6.6	2.0		1707	7.2	2.2
	2245	-0.7	-0.2		2318	0.0	0.0
				31 Th	0528	6.6	2.0
					1132	0.0	0.0
					1746	6.6	2.0
					2352	0.0	0.0

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

RECIFE, BRAZIL, 1983

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m
1 F	0603	6.2	1.9
	1209	0.3	0.1
	1824	5.9	1.8
2 Sa	0025	1.0	0.3
	0641	5.6	1.7
	1247	1.0	0.3
	1905	5.6	1.7
3 Su	0100	1.3	0.4
	0722	5.2	1.6
	1331	1.3	0.4
	1953	4.9	1.5
4 M	0142	2.0	0.6
	0814	4.6	1.4
	1434	2.0	0.6
	2057	4.3	1.3
5 Tu	0253	2.3	0.7
	0928	4.6	1.4
	1616	2.3	0.7
	2229	4.3	1.3
6 W	0500	2.6	0.8
	1108	4.6	1.4
	1750	2.0	0.6
7 Th	0005	4.6	1.4
	0621	2.3	0.7
	1226	4.9	1.5
	1848	1.6	0.5
8 F	0103	5.2	1.6
	0709	2.0	0.6
	1317	5.6	1.7
	1930	1.3	0.4
9 Sa	0144	5.6	1.7
	0747	1.3	0.4
	1356	5.9	1.8
	2006	1.0	0.3
10 Su	0217	6.2	1.9
	0820	1.0	0.3
	1430	6.6	2.0
	2039	0.7	0.2
11 M	0248	6.6	2.0
	0850	0.7	0.2
	1502	6.9	2.1
	2110	0.3	0.1
12 Tu	0318	6.9	2.1
	0921	0.3	0.1
	1534	7.2	2.2
	2142	0.0	0.0
13 W	0349	7.2	2.2
	0953	0.0	0.0
	1606	7.5	2.3
	2215	0.0	0.0
14 Th	0421	7.2	2.2
	1026	0.0	0.0
	1642	7.5	2.3
	2250	0.3	0.1
15 F	0456	7.2	2.2
	1103	0.3	0.1
	1720	7.2	2.2
	2326	0.7	0.2
16 Sa	0535	7.2	2.2
	1144	0.7	0.2
	1803	6.9	2.1
17 Su	0007	1.3	0.4
	0618	6.9	2.1
	1230	1.0	0.3
	1853	6.6	2.0
18 M	0054	1.6	0.5
	0709	6.6	2.0
	1326	1.6	0.5
	1954	5.9	1.8
19 Tu	0155	2.3	0.7
	0812	6.2	1.9
	1441	2.0	0.6
	2109	5.9	1.8
20 W	0321	2.6	0.8
	0931	5.9	1.8
	1617	2.0	0.6
	2243	5.9	1.8
21 Th	0500	2.6	0.8
	1100	6.2	1.9
	1743	2.0	0.6
22 F	0007	6.2	1.9
	0614	2.3	0.7
	1217	6.6	2.0
	1846	1.6	0.5
23 Sa	0106	6.9	2.1
	0709	2.0	0.6
	1316	7.2	2.2
	1936	1.3	0.4
24 Su	0153	7.5	2.3
	0756	1.6	0.5
	1404	7.9	2.4
	2020	1.0	0.3
25 M	0234	7.9	2.4
	0837	1.3	0.4
	1447	8.2	2.5
	2100	1.0	0.3
26 Tu	0312	8.2	2.5
	0916	1.0	0.3
	1527	8.5	2.6
	2138	1.0	0.3
27 W	0349	8.2	2.5
	0954	1.0	0.3
	1605	8.2	2.5
	2214	1.3	0.4
28 Th	0424	8.2	2.5
	1030	1.3	0.4
	1643	8.2	2.5
	2247	1.6	0.5
29 F	0459	7.9	2.4
	1106	1.3	0.4
	1720	7.5	2.3
	2320	2.0	0.6
30 Sa	0535	7.5	2.3
	1143	2.0	0.6
	1758	7.2	2.2
	2352	2.3	0.7

MAY

Day	Time h m	Height ft	Height m
1 Su	0611	7.2	2.2
	1221	2.3	0.7
	1839	6.9	2.1
2 M	0028	3.0	0.9
	0653	6.9	2.1
	1306	3.0	0.9
	1927	6.2	1.9
3 Tu	0112	3.3	1.0
	0743	6.6	2.0
	1404	3.3	1.0
	2026	6.2	1.9
4 W	0216	3.9	1.2
	0848	6.2	1.9
	1523	3.6	1.1
	2142	5.9	1.8
5 Th	0354	3.9	1.2
	1010	6.2	1.9
	1650	3.6	1.1
	2307	6.2	1.9
6 F	0523	3.9	1.2
	1129	6.6	2.0
	1755	3.3	1.0
7 Sa	0012	6.9	2.1
	0621	3.6	1.1
	1228	6.9	2.1
	1844	3.0	0.9
8 Su	0058	7.2	2.2
	0704	3.3	1.0
	1313	7.5	2.3
	1924	2.6	0.8
9 M	0136	7.9	2.4
	0740	3.0	0.9
	1351	8.2	2.5
	2000	2.3	0.7
10 Tu	0210	8.2	2.5
	0815	2.3	0.7
	1427	8.5	2.6
	2036	2.3	0.7
11 W	0244	8.5	2.6
	0850	2.0	0.6
	1503	8.9	2.7
	2111	2.0	0.6
12 Th	0319	8.9	2.7
	0926	2.0	0.6
	1542	9.2	2.8
	2149	2.0	0.6
13 F	0357	9.2	2.8
	1005	2.0	0.6
	1623	9.2	2.8
	2228	2.0	0.6
14 Sa	0437	9.2	2.8
	1048	2.0	0.6
	1707	8.9	2.7
	2310	2.3	0.7
15 Su	0521	8.9	2.7
	1135	2.3	0.7
	1756	8.5	2.6
	2357	3.0	0.9
16 M	0609	8.9	2.7
	1228	2.6	0.8
	1851	8.2	2.5
17 Tu	0050	3.3	1.0
	0704	8.5	2.6
	1329	3.0	0.9
	1953	7.9	2.4
18 W	0155	3.9	1.2
	0807	8.2	2.5
	1442	3.3	1.0
	2104	7.9	2.4
19 Th	0314	4.3	1.3
	0919	8.2	2.5
	1602	3.6	1.1
	2224	7.9	2.4
20 F	0438	4.3	1.3
	1038	8.2	2.5
	1718	3.6	1.1
	2340	8.2	2.5
21 Sa	0549	4.3	1.3
	1151	8.5	2.6
	1821	3.6	1.1
22 Su	0039	8.5	2.6
	0645	3.9	1.2
	1251	8.9	2.7
	1912	3.3	1.0
23 M	0127	8.9	2.7
	0733	3.3	1.0
	1340	9.2	2.8
	1956	3.3	1.0
24 Tu	0209	9.2	2.8
	0815	3.3	1.0
	1424	9.5	2.9
	2036	3.0	0.9
25 W	0248	9.5	2.9
	0855	3.0	0.9
	1505	9.5	2.9
	2113	3.3	1.0
26 Th	0325	9.5	2.9
	0933	3.0	0.9
	1544	9.5	2.9
	2148	3.3	1.0
27 F	0401	9.5	2.9
	1010	3.0	0.9
	1622	9.2	2.8
	2222	3.6	1.1
28 Sa	0437	9.2	2.8
	1047	3.3	1.0
	1700	8.9	2.7
	2255	3.6	1.1
29 Su	0513	9.2	2.8
	1125	3.6	1.1
	1739	8.5	2.6
	2330	3.9	1.2
30 M	0551	8.9	2.7
	1204	3.9	1.2
	1820	8.5	2.6
31 Tu	0008	4.6	1.4
	0632	8.5	2.6
	1248	4.3	1.3
	1904	8.2	2.5

JUNE

Day	Time h m	Height ft	Height m
1 W	0053	4.9	1.5
	0718	8.5	2.6
	1338	4.6	1.4
	1955	8.2	2.5
2 Th	0147	5.2	1.6
	0811	8.2	2.5
	1437	4.9	1.5
	2054	7.9	2.4
3 F	0255	5.2	1.6
	0913	8.2	2.5
	1543	4.9	1.5
	2200	8.2	2.5
4 Sa	0409	5.6	1.7
	1021	8.2	2.5
	1650	4.9	1.5
	2306	8.2	2.5
5 Su	0517	5.2	1.6
	1126	8.5	2.6
	1748	4.6	1.4
6 M	0002	8.5	2.6
	0611	4.9	1.5
	1221	8.9	2.7
	1837	4.6	1.4
7 Tu	0049	9.2	2.8
	0658	4.6	1.4
	1309	9.2	2.8
	1921	4.3	1.3
8 W	0132	9.5	2.9
	0740	3.9	1.2
	1354	9.5	2.9
	2003	3.9	1.2
9 Th	0213	9.8	3.0
	0822	3.6	1.1
	1438	9.8	3.0
	2045	3.6	1.1
10 F	0254	10.2	3.1
	0906	3.3	1.0
	1523	10.2	3.1
	2128	3.6	1.1
11 Sa	0338	10.5	3.2
	0951	3.0	0.9
	1610	10.2	3.1
	2213	3.6	1.1
12 Su	0423	10.5	3.2
	1040	3.0	0.9
	1659	10.2	3.1
	2300	3.6	1.1
13 M	0511	10.5	3.2
	1131	3.3	1.0
	1751	10.2	3.1
	2351	3.9	1.2
14 Tu	0602	10.5	3.2
	1226	3.6	1.1
	1845	9.8	3.0
15 W	0046	4.6	1.4
	0656	10.2	3.1
	1325	3.9	1.2
	1942	9.5	2.9
16 Th	0146	4.9	1.5
	0754	9.8	3.0
	1427	4.3	1.3
	2044	9.2	2.8
17 F	0252	5.2	1.6
	0858	9.5	2.9
	1535	4.6	1.4
	2152	9.2	2.8
18 Sa	0404	5.2	1.6
	1007	9.5	2.9
	1645	4.9	1.5
	2302	9.2	2.8
19 Su	0515	5.2	1.6
	1118	9.5	2.9
	1750	4.9	1.5
20 M	0005	9.2	2.8
	0617	4.9	1.5
	1222	9.5	2.9
	1846	4.9	1.5
21 Tu	0058	9.5	2.9
	0710	4.6	1.4
	1317	9.5	2.9
	1933	4.6	1.4
22 W	0145	9.8	3.0
	0757	4.6	1.4
	1405	9.5	2.9
	2015	4.6	1.4
23 Th	0226	9.8	3.0
	0839	4.3	1.3
	1449	9.5	2.9
	2053	4.6	1.4
24 F	0306	9.8	3.0
	0918	3.9	1.2
	1529	9.5	2.9
	2129	4.3	1.3
25 Sa	0344	9.8	3.0
	0956	3.9	1.2
	1607	9.5	2.9
	2204	4.3	1.3
26 Su	0420	9.8	3.0
	1033	3.9	1.2
	1645	9.5	2.9
	2239	4.6	1.4
27 M	0456	9.8	3.0
	1110	4.3	1.3
	1722	9.5	2.9
	2314	4.6	1.4
28 Tu	0533	9.8	3.0
	1148	4.3	1.3
	1759	9.2	2.8
	2352	4.9	1.5
29 W	0610	9.5	2.9
	1227	4.6	1.4
	1838	9.2	2.8
30 Th	0031	5.2	1.6
	0650	9.5	2.9
	1308	4.9	1.5
	1920	9.2	2.8

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0115	5.2	1.6	16	0220	4.6	1.4
F	0733	9.2	2.8	Sa	0829	9.5	2.9
	1353	4.9	1.5		1458	4.3	1.3
	2006	8.9	2.7		2112	8.9	2.7
2	0204	5.6	1.7	17	0324	4.9	1.5
Sa	0822	9.2	2.8	Su	0931	9.2	2.8
	1444	5.2	1.6		1603	4.9	1.5
	2059	8.9	2.7		2218	8.5	2.6
3	0301	5.6	1.7	18	0437	4.9	1.5
Su	0918	8.9	2.7	M	1041	8.9	2.7
	1542	5.2	1.6		1714	4.9	1.5
	2159	8.9	2.7		2327	8.5	2.6
4	0406	5.6	1.7	19	0550	4.9	1.5
M	1022	8.9	2.7	Tu	1153	8.5	2.6
	1646	5.2	1.6		1821	4.9	1.5
	2302	8.9	2.7				
5	0515	5.2	1.6	20	0031	8.5	2.6
Tu	1129	8.9	2.7	W	0652	4.6	1.4
	1750	4.9	1.5		1258	8.5	2.6
					1915	4.6	1.4
6	0002	9.2	2.8	21	0125	8.9	2.7
W	0617	4.9	1.5	Th	0744	4.3	1.3
	1231	9.2	2.8		1352	8.5	2.6
	1847	4.6	1.4		2000	4.3	1.3
7	0057	9.5	2.9	22	0211	8.9	2.7
Th	0711	4.3	1.3	F	0827	3.9	1.2
	1328	9.5	2.9		1437	8.5	2.6
	1938	4.3	1.3		2039	4.3	1.3
8	0148	9.8	3.0	23	0252	9.2	2.8
F	0802	3.9	1.2	Sa	0907	3.6	1.1
	1420	9.8	3.0		1517	8.9	2.7
	2026	3.9	1.2		2115	3.9	1.2
9	0236	10.2	3.1	24	0329	9.2	2.8
Sa	0852	3.3	1.0	Su	0943	3.3	1.0
	1511	10.2	3.1		1553	8.9	2.7
	2114	3.6	1.1		2150	3.9	1.2
10	0324	10.5	3.2	25	0405	9.5	2.9
Su	0941	3.0	0.9	M	1018	3.3	1.0
	1601	10.5	3.2		1628	8.9	2.7
	2202	3.6	1.1		2223	3.6	1.1
11	0412	10.8	3.3	26	0439	9.5	2.9
M	1032	3.0	0.9	Tu	1052	3.3	1.0
	1650	10.5	3.2		1701	8.9	2.7
	2251	3.6	1.1		2256	3.6	1.1
12	0501	10.8	3.3	27	0511	9.5	2.9
Tu	1123	3.0	0.9	W	1126	3.3	1.0
	1739	10.5	3.2		1733	8.9	2.7
	2341	3.6	1.1		2330	3.6	1.1
13	0551	10.8	3.3	28	0545	9.2	2.8
W	1215	3.0	0.9	Th	1200	3.6	1.1
	1829	10.2	3.1		1807	8.9	2.7
14	0031	3.9	1.2	29	0004	3.9	1.2
Th	0641	10.5	3.2	F	0619	9.2	2.8
	1307	3.6	1.1		1235	3.6	1.1
	1920	9.8	3.0		1843	8.5	2.6
15	0124	4.3	1.3	30	0040	3.9	1.2
F	0733	10.2	3.1	Sa	0656	8.9	2.7
	1400	3.9	1.2		1312	3.9	1.2
	2013	9.5	2.9		1921	8.5	2.6
				31	0120	4.3	1.3
				Su	0737	8.5	2.6
					1354	3.9	1.2
					2006	8.2	2.5

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0207	4.3	1.3	16	0353	3.6	1.1
M	0826	8.2	2.5	Tu	1000	6.9	2.1
	1444	4.3	1.3		1633	3.9	1.2
	2101	7.9	2.4		2246	6.6	2.0
2	0307	4.6	1.4	17	0523	3.6	1.1
Tu	0928	7.9	2.4	W	1125	6.6	2.0
	1549	4.3	1.3		1758	3.9	1.2
	2207	7.5	2.3				
3	0424	4.3	1.3	18	0005	6.6	2.0
W	1044	7.5	2.3	Th	0637	3.3	1.0
	1708	4.3	1.3		1244	6.6	2.0
	2321	7.9	2.4		1901	3.6	1.1
4	0546	3.9	1.2	19	0108	6.9	2.1
Th	1203	7.9	2.4	F	0732	3.0	0.9
	1822	3.9	1.2		1342	6.6	2.0
					1947	3.3	1.0
5	0030	8.2	2.5	20	0157	7.2	2.2
F	0654	3.3	1.0	Sa	0814	2.6	0.8
	1312	8.2	2.5		1425	6.9	2.1
	1921	3.3	1.0		2026	2.6	0.8
6	0130	8.5	2.6	21	0237	7.5	2.3
Sa	0750	2.6	0.8	Su	0851	2.0	0.6
	1410	8.5	2.6		1501	7.2	2.2
	2013	3.0	0.9		2100	2.3	0.7
7	0223	9.2	2.8	22	0312	7.9	2.4
Su	0842	2.0	0.6	M	0924	2.0	0.6
	1501	9.2	2.8		1533	7.5	2.3
	2102	2.3	0.7		2132	2.0	0.6
8	0312	9.5	2.9	23	0345	7.9	2.4
M	0931	1.6	0.5	Tu	0956	1.6	0.5
	1549	9.5	2.9		1604	7.9	2.4
	2149	2.0	0.6		2202	2.0	0.6
9	0400	9.8	3.0	24	0415	8.2	2.5
Tu	1019	1.3	0.4	W	1027	1.6	0.5
	1635	9.5	2.9		1633	7.9	2.4
	2236	2.0	0.6		2232	2.0	0.6
10	0446	10.2	3.1	25	0445	8.2	2.5
W	1107	1.3	0.4	Th	1058	1.6	0.5
	1720	9.5	2.9		1703	7.9	2.4
	2322	2.0	0.6		2302	2.0	0.6
11	0532	9.8	3.0	26	0515	7.9	2.4
Th	1154	1.6	0.5	F	1128	1.6	0.5
	1804	9.2	2.8		1733	7.5	2.3
					2333	2.0	0.6
12	0008	2.3	0.7	27	0547	7.9	2.4
F	0618	9.5	2.9	Sa	1200	1.6	0.5
	1240	2.0	0.6		1806	7.2	2.2
	1850	8.5	2.6				
13	0055	2.6	0.8	28	0006	2.0	0.6
Sa	0705	8.9	2.7	Su	0621	7.5	2.3
	1326	2.6	0.8		1234	2.0	0.6
	1937	8.2	2.5		1842	6.9	2.1
14	0144	3.0	0.9	29	0043	2.3	0.7
Su	0755	8.2	2.5	M	0700	6.9	2.1
	1414	3.3	1.0		1312	2.3	0.7
	2029	7.5	2.3		1924	6.6	2.0
15	0240	3.6	1.1	30	0127	2.3	0.7
M	0852	7.5	2.3	Tu	0749	6.6	2.0
	1513	3.6	1.1		1400	2.6	0.8
	2130	6.9	2.1		2017	6.2	1.9
				31	0226	2.6	0.8
				W	0852	5.9	1.8
					1506	3.0	0.9
					2126	5.9	1.8

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0350	2.6	0.8	16	0617	2.0	0.6
Th	1017	5.9	1.8	F	1227	4.9	1.5
	1641	3.0	0.9		1842	2.3	0.7
	2252	5.9	1.8				
2	0529	2.3	0.7	17	0047	5.2	1.6
F	1151	5.9	1.8	Sa	0711	1.6	0.5
	1808	2.6	0.8		1323	5.2	1.6
					1927	1.6	0.5
3	0013	6.2	1.9	18	0135	5.6	1.7
Sa	0644	1.6	0.5	Su	0752	1.0	0.3
	1304	6.6	2.0		1403	5.6	1.7
	1911	2.0	0.6		2004	1.3	0.4
4	0118	6.9	2.1	19	0214	6.2	1.9
Su	0740	1.0	0.3	M	0826	0.7	0.2
	1400	7.2	2.2		1436	5.9	1.8
	2002	1.3	0.4		2036	1.0	0.3
5	0210	7.5	2.3	20	0247	6.6	2.0
M	0829	0.3	0.1	Tu	0857	0.3	0.1
	1448	7.5	2.3		1506	6.2	1.9
	2048	0.7	0.2		2106	0.7	0.2
6	0258	8.2	2.5	21	0318	6.9	2.1
Tu	0916	0.0	0.0	W	0927	0.0	0.0
	1532	8.2	2.5		1534	6.6	2.0
	2133	0.3	0.1		2135	0.3	0.1
7	0343	8.5	2.6	22	0347	6.9	2.1
W	1000	0.0	0.0	Th	0957	0.0	0.0
	1614	8.2	2.5		1603	6.9	2.1
	2216	0.0	0.0		2204	0.0	0.0
8	0426	8.5	2.6	23	0416	6.9	2.1
Th	1044	0.0	0.0	F	1026	0.0	0.0
	1655	8.2	2.5		1631	6.9	2.1
	2258	0.0	0.0		2233	0.0	0.0
9	0509	8.5	2.6	24	0446	6.9	2.1
F	1126	0.0	0.0	Sa	1056	0.0	0.0
	1736	7.9	2.4		1701	6.6	2.0
	2340	0.7	0.2		2304	0.0	0.0
10	0552	7.9	2.4	25	0518	6.6	2.0
Sa	1207	0.7	0.2	Su	1128	0.0	0.0
	1817	7.2	2.2		1734	6.2	1.9
					2338	0.3	0.1
11	0022	1.0	0.3	26	0554	6.2	1.9
Su	0635	7.2	2.2	M	1202	0.7	0.2
	1247	1.3	0.4		1811	5.9	1.8
	1900	6.6	2.0				
12	0106	1.3	0.4	27	0016	0.7	0.2
M	0721	6.2	1.9	Tu	0635	5.9	1.8
	1329	1.6	0.5		1241	1.0	0.3
	1946	5.9	1.8		1855	5.6	1.7
13	0157	2.0	0.6	28	0103	1.0	0.3
Tu	0813	5.6	1.7	W	0727	5.2	1.6
	1419	2.3	0.7		1330	1.3	0.4
	2043	5.2	1.6		1950	5.2	1.6
14	0308	2.3	0.7	29	0206	1.3	0.4
W	0921	4.9	1.5	Th	0835	4.9	1.5
	1539	2.6	0.8		1443	2.0	0.6
	2201	4.9	1.5		2103	4.9	1.5
15	0453	2.3	0.7	30	0338	1.6	0.5
Th	1057	4.6	1.4	F	1007	4.6	1.4
	1732	2.6	0.8		1628	2.0	0.6
	2335	4.9	1.5		2234	4.9	1.5

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1	0520	1.3	0.4
Sa	1144	4.9	1.5
	1757	1.6	0.5
	2400	5.2	1.6
2	0000	5.2	1.6
Su	0632	0.7	0.2
	1254	5.6	1.7
	1858	1.0	0.3
3	0103	5.9	1.8
M	0726	0.0	0.0
	1345	6.2	1.9
	1947	0.0	0.0
4	0155	6.9	2.1
Tu	0813	-0.7	-0.2
	1429	6.9	2.1
	2031	0.0	0.0
5	0240	7.2	2.2
W	0856	-1.0	-0.3
	1510	7.2	2.2
	2112	-0.7	-0.2
6	0322	7.5	2.3
Th	0938	-1.0	-0.3
	1550	7.2	2.2
	2153	-0.7	-0.2
7	0404	7.5	2.3
F	1018	-1.0	-0.3
	1628	7.2	2.2
	2233	-0.7	-0.2
8	0445	7.2	2.2
Sa	1056	-0.7	-0.2
	1707	6.9	2.1
	2313	-0.3	-0.1
9	0525	6.9	2.1
Su	1133	0.0	0.0
	1745	6.2	1.9
	2352	0.0	0.0
10	0607	6.2	1.9
M	1210	0.7	0.2
	1825	5.6	1.7
11	0034	0.7	0.2
Tu	0651	5.2	1.6
	1247	1.0	0.3
	1909	5.2	1.6
12	0122	1.0	0.3
W	0741	4.6	1.4
	1332	1.6	0.5
	2003	4.6	1.4
13	0228	1.6	0.5
Th	0846	3.9	1.2
	1443	2.0	0.6
	2116	4.3	1.3
14	0408	1.6	0.5
F	1016	3.9	1.2
	1645	2.3	0.7
	2251	4.3	1.3
15	0539	1.6	0.5
Sa	1151	4.3	1.3
	1806	2.0	0.6

Day	Time h m	Height ft	Height m
16	0009	4.6	1.4
Su	0635	1.3	0.4
	1249	4.6	1.4
	1855	1.3	0.4
17	0101	4.9	1.5
M	0717	0.7	0.2
	1329	5.2	1.6
	1932	1.0	0.3
18	0141	5.6	1.7
Tu	0752	0.3	0.1
	1402	5.6	1.7
	2004	0.7	0.2
19	0214	5.9	1.8
W	0824	0.0	0.0
	1433	5.9	1.8
	2035	0.0	0.0
20	0246	6.2	1.9
Th	0855	0.0	0.0
	1502	6.2	1.9
	2105	0.0	0.0
21	0316	6.6	2.0
F	0925	0.0	0.0
	1531	6.6	2.0
	2135	0.0	0.0
22	0348	6.6	2.0
Sa	0956	-0.3	-0.1
	1602	6.6	2.0
	2206	-0.3	-0.1
23	0420	6.6	2.0
Su	1028	0.0	0.0
	1635	6.6	2.0
	2241	0.0	0.0
24	0456	6.2	1.9
M	1102	0.0	0.0
	1711	6.2	1.9
	2318	0.0	0.0
25	0537	5.9	1.8
Tu	1140	0.0	0.0
	1752	5.9	1.8
26	0002	0.0	0.0
W	0623	5.6	1.7
	1224	0.7	0.2
	1840	5.6	1.7
27	0055	0.7	0.2
Th	0720	5.2	1.6
	1319	1.3	0.4
	1939	5.2	1.6
28	0203	1.0	0.3
F	0831	4.9	1.5
	1437	1.6	0.5
	2052	4.9	1.5
29	0333	1.3	0.4
Sa	0959	4.6	1.4
	1616	1.6	0.5
	2218	5.2	1.6
30	0505	1.0	0.3
Su	1128	4.9	1.5
	1739	1.3	0.4
	2340	5.6	1.7
31	0613	0.7	0.2
M	1234	5.6	1.7
	1838	1.0	0.3

NOVEMBER

Day	Time h m	Height ft	Height m
1	0044	6.2	1.9
Tu	0706	0.0	0.0
	1324	6.2	1.9
	1927	0.3	0.1
2	0135	6.6	2.0
W	0753	0.0	0.0
	1407	6.6	2.0
	2011	0.0	0.0
3	0220	6.9	2.1
Th	0835	-0.3	-0.1
	1448	6.9	2.1
	2052	-0.3	-0.1
4	0302	7.2	2.2
F	0914	-0.7	-0.2
	1526	7.2	2.2
	2132	-0.3	-0.1
5	0343	7.2	2.2
Sa	0953	-0.3	-0.1
	1604	6.9	2.1
	2211	-0.3	-0.1
6	0423	6.9	2.1
Su	1029	0.0	0.0
	1641	6.6	2.0
	2250	0.0	0.0
7	0503	6.6	2.0
M	1104	0.0	0.0
	1719	6.2	1.9
	2329	0.0	0.0
8	0543	5.9	1.8
Tu	1139	0.7	0.2
	1758	5.9	1.8
9	0010	0.7	0.2
W	0626	5.2	1.6
	1216	1.3	0.4
	1841	5.6	1.7
10	0056	1.3	0.4
Th	0714	4.9	1.5
	1300	1.6	0.5
	1931	4.9	1.5
11	0154	1.6	0.5
F	0811	4.6	1.4
	1401	2.3	0.7
	2033	4.6	1.4
12	0310	2.0	0.6
Sa	0924	4.3	1.3
	1533	2.3	0.7
	2151	4.6	1.4
13	0435	2.0	0.6
Su	1048	4.6	1.4
	1704	2.3	0.7
	2311	4.9	1.5
14	0542	1.6	0.5
M	1155	4.9	1.5
	1805	2.0	0.6
15	0012	5.2	1.6
Tu	0631	1.3	0.4
	1243	5.2	1.6
	1850	1.6	0.5

Day	Time h m	Height ft	Height m
16	0058	5.6	1.7
W	0711	1.0	0.3
	1322	5.9	1.8
	1927	1.0	0.3
17	0137	6.2	1.9
Th	0747	0.7	0.2
	1356	6.2	1.9
	2001	0.7	0.2
18	0212	6.6	2.0
F	0821	0.3	0.1
	1429	6.6	2.0
	2034	0.3	0.1
19	0247	6.6	2.0
Sa	0855	0.0	0.0
	1502	6.9	2.1
	2109	0.0	0.0
20	0323	6.9	2.1
Su	0930	0.0	0.0
	1537	6.9	2.1
	2145	0.0	0.0
21	0401	6.9	2.1
M	1006	0.0	0.0
	1615	6.9	2.1
	2225	0.0	0.0
22	0443	6.9	2.1
Tu	1046	0.0	0.0
	1656	6.9	2.1
	2309	0.0	0.0
23	0529	6.6	2.0
W	1129	0.7	0.2
	1742	6.6	2.0
	2359	0.3	0.1
24	0620	6.2	1.9
Th	1218	1.0	0.3
	1833	6.6	2.0
25	0056	0.7	0.2
F	0717	5.9	1.8
	1317	1.6	0.5
	1932	6.2	1.9
26	0202	1.0	0.3
Sa	0823	5.6	1.7
	1429	2.0	0.6
	2039	5.9	1.8
27	0318	1.3	0.4
Su	0939	5.6	1.7
	1552	2.0	0.6
	2156	5.9	1.8
28	0438	1.3	0.4
M	1058	5.6	1.7
	1710	2.0	0.6
	2312	6.2	1.9
29	0547	1.3	0.4
Tu	1205	5.9	1.8
	1813	1.6	0.5
30	0018	6.6	2.0
W	0644	1.0	0.3
	1259	6.6	2.0
	1906	1.0	0.3

DECEMBER

Day	Time h m	Height ft	Height m
1	0113	6.9	2.1
Th	0732	0.7	0.2
	1345	6.9	2.1
	1952	0.7	0.2
2	0201	6.9	2.1
F	0815	0.7	0.2
	1426	6.9	2.1
	2035	0.3	0.1
3	0245	6.9	2.1
Sa	0855	0.7	0.2
	1506	7.2	2.2
	2115	0.3	0.1
4	0327	6.9	2.1
Su	0933	0.7	0.2
	1545	6.9	2.1
	2156	0.3	0.1
5	0407	6.9	2.1
M	1009	0.7	0.2
	1623	6.9	2.1
	2235	0.3	0.1
6	0447	6.6	2.0
Tu	1044	1.0	0.3
	1701	6.6	2.0
	2314	0.7	0.2
7	0526	6.2	1.9
W	1119	1.3	0.4
	1739	6.6	2.0
	2354	1.0	0.3
8	0607	5.9	1.8
Th	1156	1.6	0.5
	1820	6.2	1.9
9	0037	1.3	0.4
F	0650	5.6	1.7
	1238	2.0	0.6
	1903	5.9	1.8
10	0124	1.6	0.5
Sa	0737	5.2	1.6
	1328	2.3	0.7
	1953	5.6	1.7
11	0218	2.0	0.6
Su	0831	5.2	1.6
	1429	2.6	0.8
	2052	5.6	1.7
12	0321	2.3	0.7
M	0935	5.2	1.6
	1542	2.6	0.8
	2159	5.6	1.7
13	0429	2.3	0.7
Tu	1044	5.2	1.6
	1655	2.6	0.8
	2307	5.6	1.7
14	0532	2.0	0.6
W	1145	5.6	1.7
	1755	2.3	0.7
15	0005	5.9	1.8
Th	0624	1.6	0.5
	1235	5.9	1.8
	1844	1.6	0.5

Day	Time h m	Height ft	Height m
16	0055	6.2	1.9
F	0709	1.3	0.4
	1318	6.2	1.9
	1927	1.3	0.4
17	0140	6.6	2.0
Sa	0751	1.0	0.3
	1359	6.6	2.0
	2008	1.0	0.3
18	0222	6.6	2.0
Su	0830	0.7	0.2
	1439	6.9	2.1
	2049	0.3	0.1
19	0306	6.9	2.1
M	0911	0.7	0.2
	1520	7.2	2.2
	2132	0.0	0.0
20	0350	7.2	2.2
Tu	0953	0.3	0.1
	1603	7.5	2.3
	2217	0.0	0.0
21	0436	7.2	2.2
W	1037	0.7	0.2
	1648	7.5	2.3
	2305	0.0	0.0
22	0524	7.2	2.2
Th	1124	0.7	0.2
	1736	7.5	2.3
	2357	0.0	0.0
23	0614	6.9	2.1
F	1215	1.0	0.3
	1827	7.2	2.2
24	0051	0.7	0.2
Sa	0707	6.6	2.0
	1310	1.3	0.4
	1921	6.9	2.1
25	0149	1.0	0.3
Su	0805	6.2	1.9
	1411	1.6	0.5
	2020	6.6	2.0
26	0253	1.3	0.4
M	0909	5.9	1.8
	1519	2.0	0.6
	2126	6.2	1.9
27	0402	1.6	0.5
Tu	1019	5.9	1.8
	1634	2.0	0.6
	2239	6.2	1.9
28	0514	1.6	0.5
W	1130	5.9	1.8
	1745	2.0	0.6
	2351	6.2	1.9
29	0619	1.6	0.5
Th	1232	6.2	1.9
	1847	1.6	0.5
30	0053	6.2	1.9
F	0713	1.3	0.4
	1325	6.2	1.9
	1938	1.3	0.4
31	0147	6.2	1.9
Sa	0800	1.3	0.4
	1411	6.6	2.0
	2024	1.0	0.3

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

RIO DE JANEIRO, BRAZIL, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0400	4.9	1.5	16	0358	4.6	1.4
Sa	1126	2.3	0.7	Su	1025	2.0	0.6
	1537	4.6	1.4		1545	4.6	1.4
	2324	1.0	0.3		2241	1.3	0.4
2	0440	4.9	1.5	17	0429	4.6	1.4
Su	1216	2.6	0.8	M	1054	2.3	0.7
	1616	4.6	1.4		1619	4.6	1.4
					2318	1.3	0.4
3	0019	1.3	0.4	18	0500	4.3	1.3
M	0518	4.6	1.4	Tu	1128	2.3	0.7
	1307	3.0	0.9		1653	4.6	1.4
	1657	4.6	1.4				
4	0114	1.6	0.5	19	0005	1.6	0.5
Tu	0556	4.3	1.3	W	0533	4.3	1.3
	1358	3.0	0.9		1214	2.3	0.7
	1742	4.6	1.4		1731	4.6	1.4
5	0211	2.0	0.6	20	0105	2.0	0.6
W	0635	4.3	1.3	Th	0609	3.9	1.2
	1451	3.0	0.9		1323	2.6	0.8
	1833	4.3	1.3		1813	4.3	1.3
6	0308	2.3	0.7	21	0216	2.0	0.6
Th	0719	3.9	1.2	F	0652	3.9	1.2
	1544	3.0	0.9		1439	2.6	0.8
	1936	4.3	1.3		1904	4.3	1.3
7	0405	2.6	0.8	22	0328	2.0	0.6
F	0814	3.9	1.2	Sa	0746	3.6	1.1
	1639	3.0	0.9		1550	2.3	0.7
	2106	3.9	1.2		2011	3.9	1.2
8	0502	2.6	0.8	23	0437	2.0	0.6
Sa	0927	3.9	1.2	Su	0904	3.3	1.0
	1733	2.6	0.8		1656	2.0	0.6
	2249	3.9	1.2		2204	3.6	1.1
9	0557	2.6	0.8	24	0544	2.0	0.6
Su	1044	3.9	1.2	M	1124	3.3	1.0
	1824	2.3	0.7		1758	1.6	0.5
	2358	4.3	1.3				
10	0647	2.6	0.8	25	0020	3.9	1.2
M	1145	4.3	1.3	Tu	0647	1.6	0.5
	1910	2.0	0.6		1225	3.6	1.1
					1855	1.0	0.3
11	0049	4.3	1.3	26	0117	4.3	1.3
Tu	0734	2.3	0.7	W	0745	1.3	0.4
	1236	4.3	1.3		1305	3.6	1.1
	1952	1.6	0.5		1948	0.7	0.2
12	0132	4.6	1.4	27	0201	4.6	1.4
W	0816	2.3	0.7	Th	0839	1.3	0.4
	1320	4.3	1.3		1341	3.9	1.2
	2030	1.3	0.4		2039	0.0	0.0
13	0212	4.6	1.4	28	0240	4.6	1.4
Th	0853	2.0	0.6	F	0929	1.3	0.4
	1400	4.6	1.4		1418	3.9	1.2
	2104	1.3	0.4		2129	0.0	0.0
14	0250	4.6	1.4	29	0316	4.6	1.4
F	0927	2.0	0.6	Sa	1016	1.3	0.4
	1437	4.6	1.4		1454	4.3	1.3
	2136	1.0	0.3		2218	0.0	0.0
15	0325	4.6	1.4	30	0349	4.6	1.4
Sa	0957	2.0	0.6	Su	1102	1.6	0.5
	1512	4.6	1.4		1531	4.3	1.3
	2207	1.3	0.4		2306	0.0	0.0
				31	0420	4.3	1.3
				M	1145	2.0	0.6
					1608	4.6	1.4
					2355	0.7	0.2

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0450	3.9	1.2	16	0431	3.6	1.1
Tu	1228	2.0	0.6	W	1051	1.0	0.3
	1645	4.3	1.3		1634	3.9	1.2
					2336	0.7	0.2
2	0044	1.0	0.3	17	0500	3.3	1.0
W	0520	3.9	1.2	Th	1126	1.3	0.4
	1312	2.3	0.7		1710	3.9	1.2
	1725	4.3	1.3				
3	0135	1.6	0.5	18	0034	1.0	0.3
Th	0552	3.6	1.1	F	0533	3.3	1.0
	1359	2.3	0.7		1228	1.3	0.4
	1807	3.9	1.2		1749	3.6	1.1
4	0229	2.0	0.6	19	0152	1.3	0.4
F	0627	3.6	1.1	Sa	0611	3.0	0.9
	1249	2.3	0.7		1403	1.3	0.4
	1855	3.6	1.1		1835	3.3	1.0
5	0327	2.3	0.7	20	0311	1.3	0.4
Sa	0709	3.3	1.0	Su	0657	2.6	0.8
	1553	2.0	0.6		1523	1.3	0.4
	1958	3.3	1.0		1934	3.0	0.9
6	0427	2.3	0.7	21	0426	1.3	0.4
Su	0804	3.0	0.9	M	0757	2.3	0.7
	1655	2.0	0.6		1635	1.0	0.3
	2203	3.0	0.9		2129	2.6	0.8
7	0528	2.3	0.7	22	0535	1.0	0.3
M	0935	3.0	0.9	Tu	1238	2.0	0.6
	1755	1.3	0.4		1741	0.7	0.2
8	0014	3.0	0.9	23	0116	3.0	0.9
Tu	0625	2.0	0.6	W	0639	0.7	0.2
	1126	3.0	0.9		1246	2.3	0.7
	1849	1.0	0.3		1841	0.0	0.0
9	0059	3.3	1.0	24	0142	3.3	1.0
W	0714	1.6	0.5	Th	0735	0.7	0.2
	1231	3.3	1.0		1307	2.6	0.8
	1934	0.7	0.2		1935	-0.7	-0.2
10	0135	3.6	1.1	25	0207	3.6	1.1
Th	0756	1.3	0.4	F	0824	0.3	0.1
	1317	3.3	1.0		1336	3.0	0.9
	2012	0.3	0.1		2026	-1.0	-0.3
11	0209	3.6	1.1	26	0231	3.6	1.1
F	0832	1.0	0.3	Sa	0909	0.0	0.0
	1355	3.6	1.1		1408	3.3	1.0
	2046	0.0	0.0		2113	-1.0	-0.3
12	0241	3.9	1.2	27	0256	3.6	1.1
Sa	0902	1.0	0.3	Su	0951	0.3	0.1
	1429	3.6	1.1		1442	3.6	1.1
	2117	0.0	0.0		2159	-1.0	-0.3
13	0310	3.9	1.2	28	0322	3.6	1.1
Su	0930	1.0	0.3	M	1031	0.3	0.1
	1501	3.9	1.2		1517	3.6	1.1
	2148	0.0	0.0		2243	-0.7	-0.2
14	0337	3.9	1.2				
M	0956	1.0	0.3				
	1531	3.9	1.2				
	2220	0.0	0.0				
15	0404	3.6	1.1				
Tu	1022	1.0	0.3				
	1602	3.9	1.2				
	2255	0.3	0.1				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0348	3.3	1.0	16	0333	3.0	0.9
Tu	1109	0.7	0.2	W	0955	0.0	0.0
	1551	3.9	1.2		1541	3.6	1.1
	2327	0.0	0.0		2234	-0.3	-0.1
2	0415	3.3	1.0	17	0359	3.0	0.9
W	1146	0.7	0.2	Th	1027	0.0	0.0
	1626	3.6	1.1		1614	3.6	1.1
					2319	0.0	0.0
3	0009	0.3	0.1	18	0428	2.6	0.8
Th	0443	3.0	0.9	F	1107	0.0	0.0
	1222	1.0	0.3		1650	3.3	1.0
	1702	3.6	1.1				
4	0054	1.0	0.3	19	0023	0.3	0.1
F	0512	3.0	0.9	Sa	0501	2.6	0.8
	1301	1.0	0.3		1220	0.3	0.1
	1740	3.0	0.9		1729	3.0	0.9
5	0145	1.3	0.4	20	0144	0.7	0.2
Sa	0545	2.6	0.8	Su	0537	2.3	0.7
	1400	1.0	0.3		1347	0.3	0.1
	1822	2.6	0.8		1815	2.6	0.8
	2239	1.3	0.4				
6	0622	2.3	0.7	21	0304	1.0	0.3
Su	1506	1.0	0.3	M	0620	2.0	0.6
	1914	2.3	0.7		1504	0.3	0.1
	2254	1.6	0.5		1915	2.0	0.6
7	0123	1.6	0.5	22	0419	1.0	0.3
M	0355	1.6	0.5	Tu	0715	1.6	0.5
	0708	2.3	0.7		1615	0.0	0.0
	1616	1.0	0.3				
8	0110	2.0	0.6	23	0053	2.3	0.7
Tu	0502	1.3	0.4	W	0527	0.7	0.2
	0826	2.0	0.6		1236	1.3	0.4
	1722	0.7	0.2		1722	0.0	0.0
9	0040	2.3	0.7	24	0117	2.6	0.8
W	0602	1.0	0.3	Th	0627	0.3	0.1
	1132	2.0	0.6		1240	1.6	0.5
	1820	0.0	0.0		1823	-0.7	-0.2
10	0058	2.6	0.8	25	0134	3.0	0.9
Th	0651	0.7	0.2	F	0717	0.0	0.0
	1230	2.3	0.7		1253	2.3	0.7
	1906	0.0	0.0		1917	-1.0	-0.3
11	0125	2.6	0.8	26	0147	3.0	0.9
F	0730	0.3	0.1	Sa	0801	0.0	0.0
	1309	2.6	0.8		1319	2.6	0.8
	1945	-0.3	-0.1		2007	-1.3	-0.4
12	0152	3.0	0.9	27	0202	3.3	1.0
Sa	0802	0.0	0.0	Su	0842	0.0	0.0
	1342	2.6	0.8		1350	3.0	0.9
	2019	-0.7	-0.2		2052	-1.3	-0.4
13	0219	3.0	0.9	28	0222	3.3	1.0
Su	0830	0.0	0.0	M	0921	0.0	0.0
	1413	3.0	0.9		1423	3.3	1.0
	2051	-0.7	-0.2		2135	-1.0	-0.3
14	0244	3.3	1.0	29	0246	3.3	1.0
M	0857	0.0	0.0	Tu	0957	0.0	0.0
	1442	3.3	1.0		1457	3.6	1.1
	2123	-0.7	-0.2		2216	-0.7	-0.2
15	0308	3.0	0.9	30	0312	3.0	0.9
Tu	0925	0.0	0.0	W	1032	0.0	0.0
	1511	3.3	1.0		1531	3.6	1.1
	2157	-0.7	-0.2		2255	0.0	0.0
				31	0339	3.0	0.9
				Th	1103	0.0	0.0
					1605	3.3	1.0
					2330	0.3	0.1

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0407	3.0	0.9	16	0359	3.0	0.9
F	1129	0.0	0.0	Sa	1117	0.0	0.0
	1641	3.3	1.0		1635	3.6	1.1
	2200	1.0	0.3				
2	0438	2.6	0.8	17	0025	1.0	0.3
Sa	0941	0.0	0.0	Su	0433	2.6	0.8
	1717	3.0	0.9		1226	0.3	0.1
	2153	1.0	0.3		1718	3.3	1.0
3	0510	2.6	0.8	18	0142	1.3	0.4
Su	1013	0.3	0.1	M	0510	2.6	0.8
	1758	2.3	0.7		1337	0.7	0.2
	2207	1.3	0.4		1806	3.0	0.9
4	0546	2.3	0.7	19	0257	1.3	0.4
M	1058	0.7	0.2	Tu	0554	2.3	0.7
	1847	2.0	0.6		1447	0.7	0.2
	2215	1.6	0.5				
5	0057	1.6	0.5	20	0003	2.6	0.8
Tu	0326	1.3	0.4	W	0407	1.3	0.4
	0630	2.0	0.6		0652	2.0	0.6
	1532	0.7	0.2		1555	0.3	0.1
6	0030	2.0	0.6	21	0036	3.0	0.9
W	0433	1.3	0.4	Th	0510	1.3	0.4
	0740	1.6	0.5		1159	2.0	0.6
	1639	0.3	0.1		1700	0.0	0.0
7	0016	2.3	0.7	22	0058	3.3	1.0
Th	0531	1.0	0.3	F	0604	1.0	0.3
	1121	1.6	0.5		1203	2.3	0.7
	1738	0.0	0.0		1801	0.0	0.0
8	0034	2.6	0.8	23	0107	3.3	1.0
F	0616	0.7	0.2	Sa	0650	0.7	0.2
	1210	2.3	0.7		1223	3.0	0.9
	1827	0.0	0.0		1856	0.0	0.0
9	0059	3.0	0.9	24	0110	3.6	1.1
Sa	0653	0.3	0.1	Su	0732	0.7	0.2
	1246	2.6	0.8		1252	3.3	1.0
	1909	0.0	0.0		1944	0.0	0.0
10	0124	3.0	0.9	25	0122	3.6	1.1
Su	0724	0.0	0.0	M	0811	0.3	0.1
	1318	3.0	0.9		1325	3.6	1.1
	1946	-0.3	-0.1		2029	0.0	0.0
11	0148	3.3	1.0	26	0143	3.6	1.1
M	0755	0.0	0.0	Tu	0848	0.3	0.1
	1347	3.3	1.0		1400	3.9	1.2
	2022	-0.7	-0.2		2110	0.0	0.0
12	0211	3.3	1.0	27	0209	3.6	1.1
Tu	0826	0.0	0.0	W	0925	0.3	0.1
	1417	3.6	1.1		1435	4.3	1.3
	2058	-0.3	-0.1		2148	0.7	0.2
13	0235	3.3	1.0	28	0237	3.6	1.1
W	0900	0.0	0.0	Th	0959	0.3	0.1
	1448	3.6	1.1		1511	4.3	1.3
	2137	0.0	0.0		2223	1.0	0.3
14	0301	3.3	1.0	29	0307	3.6	1.1
Th	0937	0.0	0.0	F	1030	0.7	0.2
	1521	3.6	1.1		1546	3.9	1.2
	2221	0.0	0.0		2252	1.3	0.4
15	0329	3.3	1.0	30	0337	3.6	1.1
F	1021	0.0	0.0	Sa	1059	0.7	0.2
	1557	3.6	1.1		1623	3.9	1.2
	2315	0.3	0.1		2136	1.6	0.5

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0410	3.6	1.1	16	0023	2.3	0.7
Su	0953	1.0	0.3	M	0414	3.9	1.2
	1701	3.6	1.1		1222	1.0	0.3
	2140	2.0	0.6		1714	4.3	1.3
2	0444	3.3	1.0	17	0133	2.6	0.8
M	1032	1.0	0.3	Tu	0455	3.6	1.1
	1742	3.3	1.0		1324	1.3	0.4
					1805	3.9	1.2
3	0136	2.3	0.7	18	0241	2.6	0.8
Tu	0522	3.3	1.0	W	0543	3.6	1.1
	1338	1.3	0.4		1428	1.6	0.5
	1831	3.0	0.9		2338	3.9	1.2
4	0251	2.3	0.7	19	0344	2.6	0.8
W	0609	3.0	0.9	Th	0645	3.3	1.0
	1446	1.3	0.4		1532	1.6	0.5
	2305	3.0	0.9				
5	0355	2.3	0.7	20	0014	4.3	1.3
Th	0717	2.6	0.8	F	0441	2.6	0.8
	1550	1.3	0.4		0828	3.3	1.0
	2330	3.3	1.0		1635	1.6	0.5
6	0447	2.0	0.6	21	0035	4.3	1.3
F	1028	3.0	0.9	Sa	0531	2.3	0.7
	1649	1.3	0.4		1055	3.6	1.1
	2358	3.6	1.1		1736	1.6	0.5
7	0531	1.6	0.5	22	0026	4.3	1.3
Sa	1130	3.3	1.0	Su	0616	2.3	0.7
	1743	1.0	0.3		1142	4.3	1.3
					1832	1.6	0.5
8	0024	3.6	1.1	23	0021	4.3	1.3
Su	0610	1.6	0.5	M	0658	2.0	0.6
	1210	3.6	1.1		1222	4.6	1.4
	1830	1.0	0.3		1921	1.6	0.5
9	0049	3.9	1.2	24	0038	4.6	1.4
M	0645	1.3	0.4	Tu	0739	1.6	0.5
	1245	3.9	1.2		1300	4.9	1.5
	1914	0.7	0.2		2005	1.6	0.5
10	0113	3.9	1.2	25	0105	4.6	1.4
Tu	0722	1.0	0.3	W	0819	1.6	0.5
	1318	4.3	1.3		1339	4.9	1.5
	1956	0.7	0.2		2046	2.0	0.6
11	0138	4.3	1.3	26	0136	4.9	1.5
W	0800	1.0	0.3	Th	0857	1.6	0.5
	1352	4.6	1.4		1417	5.2	1.6
	2040	0.7	0.2		2123	2.3	0.7
12	0204	4.3	1.3	27	0208	4.9	1.5
Th	0842	0.7	0.2	F	0935	1.6	0.5
	1428	4.6	1.4		1455	5.2	1.6
	2126	1.0	0.3		2156	2.3	0.7
13	0232	4.3	1.3	28	0241	4.9	1.5
F	0929	0.7	0.2	Sa	1010	1.6	0.5
	1506	4.9	1.5		1533	4.9	1.5
	2217	1.3	0.4		2225	2.6	0.8
14	0303	4.3	1.3	29	0316	4.9	1.5
Sa	1022	1.0	0.3	Su	1044	1.6	0.5
	1547	4.6	1.4		1611	4.9	1.5
	2316	1.6	0.5		2244	3.0	0.9
15	0337	3.9	1.2	30	0351	4.9	1.5
Su	1120	1.0	0.3	M	1120	2.0	0.6
	1629	4.6	1.4		1649	4.9	1.5
					2226	3.3	1.0
				31	0428	4.6	1.4
				Tu	1204	2.3	0.7
					1730	4.6	1.4

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0051	3.3	1.0	16	0213	3.6	1.1
W	0509	4.6	1.4	Th	0538	4.9	1.5
	1258	2.3	0.7		1405	2.3	0.7
	1815	4.3	1.3		1849	4.9	1.5
2	0203	3.3	1.0	17	0310	3.6	1.1
Th	0557	4.3	1.3	F	0637	4.6	1.4
	1357	2.6	0.8		1506	2.6	0.8
	1915	4.3	1.3				
3	0303	3.3	1.0	18	0000	4.9	1.5
F	0657	4.3	1.3	Sa	0403	3.6	1.1
	1459	2.6	0.8		0751	4.6	1.4
	2212	4.3	1.3		1608	3.0	0.9
4	0356	3.3	1.0	19	0021	4.6	1.4
Sa	0823	4.3	1.3	Su	0453	3.3	1.0
	1601	2.6	0.8		0927	4.9	1.5
	2308	4.6	1.4		1709	3.0	0.9
					2253	4.6	1.4
5	0443	3.0	0.9	20	0541	3.3	1.0
Su	1014	4.3	1.3	M	1053	4.9	1.5
	1701	2.6	0.8		1807	3.0	0.9
	2343	4.6	1.4		2320	4.9	1.5
6	0528	3.0	0.9	21	0627	3.0	0.9
M	1119	4.6	1.4	Tu	1153	5.2	1.6
	1757	2.3	0.7		1859	3.0	0.9
					2356	5.2	1.6
7	0012	4.9	1.5	22	0711	2.6	0.8
Tu	0611	2.6	0.8	W	1242	5.2	1.6
	1208	4.9	1.5		1944	3.0	0.9
	1849	2.3	0.7				
8	0039	4.9	1.5	23	0033	5.2	1.6
W	0655	2.3	0.7	Th	0755	2.3	0.7
	1252	5.2	1.6		1327	5.6	1.7
	1939	2.3	0.7		2025	3.0	0.9
9	0108	4.9	1.5	24	0111	5.6	1.7
Th	0742	2.0	0.6	F	0837	2.3	0.7
	1335	5.6	1.7		1408	5.6	1.7
	2029	2.3	0.7		2102	3.0	0.9
10	0138	5.2	1.6	25	0148	5.6	1.7
F	0832	1.6	0.5	Sa	0916	2.3	0.7
	1419	5.6	1.7		1448	5.6	1.7
	2120	2.3	0.7		2136	3.3	1.0
11	0211	5.2	1.6	26	0226	5.6	1.7
Sa	0924	1.6	0.5	Su	0953	2.3	0.7
	1502	5.9	1.8		1526	5.6	1.7
	2214	2.6	0.8		2206	3.3	1.0
12	0247	5.2	1.6	27	0303	5.6	1.7
Su	1018	1.6	0.5	M	1027	2.3	0.7
	1545	5.6	1.7		1602	5.6	1.7
	2311	3.0	0.9		2232	3.3	1.0
13	0325	4.9	1.5	28	0341	5.6	1.7
M	1114	1.6	0.5	Tu	1100	2.3	0.7
	1629	5.6	1.7		1637	5.6	1.7
					2257	3.6	1.1
14	0011	3.3	1.0	29	0419	5.6	1.7
Tu	0405	4.9	1.5	W	1136	2.6	0.8
	1210	2.0	0.6		1713	5.2	1.6
	1713	5.2	1.6		2339	3.6	1.1
15	0112	3.6	1.1	30	0459	5.2	1.6
W	0449	4.9	1.5	Th	1217	2.6	0.8
	1307	2.0	0.6		1748	5.2	1.6
	1758	5.2	1.6				

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0051	3.6	1.1	16	0229	3.6	1.1
F	0541	5.2	1.6	Sa	0617	4.9	1.5
	1308	3.0	0.9		1436	3.0	0.9
	1827	4.9	1.5		1847	4.6	1.4
2	0201	3.9	1.2	17	0322	3.6	1.1
Sa	0628	5.2	1.6	Su	0712	4.9	1.5
	1409	3.0	0.9		1537	3.3	1.0
	1915	4.9	1.5		1933	4.6	1.4
3	0303	3.6	1.1	18	0415	3.3	1.0
Su	0723	4.9	1.5	M	0822	4.6	1.4
	1517	3.3	1.0		1640	3.3	1.0
	2025	4.6	1.4		2037	4.3	1.3
4	0359	3.6	1.1	19	0507	3.0	0.9
M	0831	4.9	1.5	Tu	0959	4.6	1.4
	1626	3.3	1.0		1743	3.3	1.0
	2236	4.6	1.4		2205	4.3	1.3
5	0452	3.3	1.0	20	0559	2.6	0.8
Tu	1004	4.9	1.5	W	1144	4.6	1.4
	1732	3.0	0.9		1839	3.3	1.0
	2333	4.9	1.5		2319	4.6	1.4
6	0545	3.0	0.9	21	0649	2.3	0.7
W	1137	4.9	1.5	Th	1246	4.6	1.4
	1833	3.0	0.9		1927	3.0	0.9
7	0012	4.9	1.5	22	0013	4.6	1.4
Th	0637	2.6	0.8	F	0736	2.0	0.6
	1244	5.2	1.6		1330	4.9	1.5
	1929	2.6	0.8		2008	3.0	0.9
8	0048	4.9	1.5	23	0058	4.9	1.5
F	0730	2.0	0.6	Sa	0819	1.6	0.5
	1337	5.6	1.7		1408	4.9	1.5
	2022	2.6	0.8		2044	2.6	0.8
9	0124	4.9	1.5	24	0140	4.9	1.5
Sa	0823	1.6	0.5	Su	0857	1.6	0.5
	1424	5.9	1.8		1444	5.2	1.6
	2113	2.6	0.8		2116	2.6	0.8
10	0201	5.2	1.6	25	0219	4.9	1.5
Su	0916	1.3	0.4	M	0932	1.6	0.5
	1507	5.9	1.8		1517	5.2	1.6
	2204	2.6	0.8		2143	2.6	0.8
11	0239	5.2	1.6	26	0256	5.2	1.6
M	1009	1.3	0.4	Tu	1004	1.6	0.5
	1547	5.9	1.8		1549	5.2	1.6
	2256	3.0	0.9		2204	2.6	0.8
12	0319	5.2	1.6	27	0331	5.2	1.6
Tu	1101	1.3	0.4	W	1034	1.6	0.5
	1625	5.6	1.7		1618	5.2	1.6
	2349	3.0	0.9		2224	2.6	0.8
13	0400	5.2	1.6	28	0405	5.2	1.6
W	1153	1.6	0.5	Th	1104	1.6	0.5
	1700	5.6	1.7		1647	4.9	1.5
					2247	2.6	0.8
14	0042	3.3	1.0	29	0440	4.9	1.5
Th	0442	5.2	1.6	F	1138	2.0	0.6
	1245	2.0	0.6		1715	4.9	1.5
	1734	5.2	1.6		2318	3.0	0.9
15	0136	3.6	1.1	30	0517	4.9	1.5
F	0528	5.2	1.6	Sa	1219	2.3	0.7
	1339	2.3	0.7		1746	4.6	1.4
	1809	4.9	1.5				
				31	0025	3.0	0.9
				Su	0556	4.9	1.5
					1318	2.3	0.7
					1822	4.3	1.3

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0210	3.0	0.9	16	0732	3.3	1.0
M	0642	4.6	1.4	Tu	1608	2.6	0.8
	1439	2.6	0.8		1922	3.3	1.0
	1906	3.9	1.2				
2	0323	2.6	0.8	17	0437	2.0	0.6
Tu	0737	4.3	1.3	W	1354	3.3	1.0
	1601	2.6	0.8		1718	2.6	0.8
	2007	3.6	1.1		2039	3.0	0.9
3	0427	2.6	0.8	18	0535	1.6	0.5
W	0856	3.9	1.2	Th	1343	3.3	1.0
	1717	2.6	0.8		1821	2.3	0.7
	2251	3.6	1.1		2301	3.0	0.9
4	0526	2.0	0.6	19	0628	1.3	0.4
Th	1217	3.9	1.2	F	1315	3.3	1.0
	1824	2.3	0.7		1911	2.0	0.6
5	0011	3.6	1.1	20	0011	3.3	1.0
F	0624	1.6	0.5	Sa	0716	0.7	0.2
	1319	4.3	1.3		1335	3.6	1.1
	1922	2.0	0.6		1950	1.6	0.5
6	0046	3.9	1.2	21	0056	3.6	1.1
Sa	0719	1.0	0.3	Su	0757	0.3	0.1
	1358	4.6	1.4		1403	3.9	1.2
	2014	1.6	0.5		2023	1.3	0.4
7	0121	3.9	1.2	22	0135	3.6	1.1
Su	0812	0.7	0.2	M	0833	0.0	0.0
	1433	4.9	1.5		1432	3.9	1.2
	2101	1.6	0.5		2050	1.0	0.3
8	0157	4.3	1.3	23	0210	3.9	1.2
M	0903	0.0	0.0	Tu	0906	0.0	0.0
	1505	4.9	1.5		1500	4.3	1.3
	2147	1.6	0.5		2113	1.0	0.3
9	0233	4.6	1.4	24	0242	3.9	1.2
Tu	0954	0.0	0.0	W	0935	0.0	0.0
	1536	4.9	1.5		1526	4.3	1.3
	2233	1.6	0.5		2132	1.0	0.3
10	0311	4.6	1.4	25	0314	4.3	1.3
W	1043	0.0	0.0	Th	1004	0.0	0.0
	1605	4.9	1.5		1551	3.9	1.2
	2318	2.0	0.6		2151	1.0	0.3
11	0349	4.6	1.4	26	0344	4.3	1.3
Th	1131	0.7	0.2	F	1033	0.3	0.1
	1633	4.6	1.4		1616	3.9	1.2
					2210	1.0	0.3
12	0004	2.0	0.6	27	0416	3.9	1.2
F	0427	4.6	1.4	Sa	1103	0.7	0.2
	1219	1.0	0.3		1641	3.6	1.1
	1700	4.3	1.3		2231	1.3	0.4
13	0053	2.3	0.7	28	0450	3.9	1.2
Sa	0507	4.6	1.4	Su	1138	1.0	0.3
	1308	1.6	0.5		1710	3.6	1.1
	1729	3.9	1.2		2248	1.3	0.4
14	0145	2.3	0.7	29	0528	3.6	1.1
Su	0549	4.3	1.3	M	1236	1.3	0.4
	1401	2.0	0.6		1742	3.3	1.0
	1800	3.9	1.2				
15	0241	2.3	0.7	30	0128	1.6	0.5
M	0636	3.9	1.2	Tu	0611	3.3	1.0
	1501	2.6	0.8		1418	1.6	0.5
	1835	3.6	1.1		1821	3.0	0.9
	2245	2.3	0.7				
				31	0257	1.3	0.4
				W	0703	3.0	0.9
					1548	1.6	0.5
					1911	2.3	0.7
					2238	2.0	0.6

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0017	2.0	0.6	16	0507	0.3	0.1
Th	0407	1.0	0.3	F	1329	2.3	0.7
	0821	2.6	0.8		1800	1.3	0.4
	1708	1.3	0.4		2314	2.0	0.6
2	0027	2.0	0.6	17	0602	0.0	0.0
F	0511	0.7	0.2	Sa	1306	2.3	0.7
	1316	3.0	0.9		1848	1.0	0.3
	1817	1.0	0.3				
3	0034	2.3	0.7	18	0010	2.3	0.7
Sa	0610	0.0	0.0	Su	0649	0.0	0.0
	1339	3.3	1.0		1320	2.6	0.8
	1912	0.7	0.2		1924	0.7	0.2
4	0050	2.6	0.8	19	0048	2.6	0.8
Su	0705	-0.3	-0.1	M	0729	-0.3	-0.1
	1402	3.6	1.1		1343	3.0	0.9
	2000	0.3	0.1		1953	0.0	0.0
5	0116	3.0	0.9	20	0121	3.0	0.9
M	0757	-1.0	-0.3	Tu	0803	-0.7	-0.2
	1423	3.9	1.2		1409	3.3	1.0
	2043	0.0	0.0		2018	0.0	0.0
6	0147	3.3	1.0	21	0152	3.3	1.0
Tu	0847	-1.0	-0.3	W	0835	-0.7	-0.2
	1446	3.9	1.2		1433	3.3	1.0
	2123	0.0	0.0		2040	0.0	0.0
7	0220	3.6	1.1	22	0222	3.3	1.0
W	0935	-1.0	-0.3	Th	0906	-0.7	-0.2
	1510	3.6	1.1		1457	3.3	1.0
	2203	0.3	0.1		2101	0.0	0.0
8	0255	3.9	1.2	23	0251	3.3	1.0
Th	1021	-1.0	-0.3	F	0936	-0.7	-0.2
	1534	3.6	1.1		1520	3.3	1.0
	2243	0.7	0.2		2123	0.0	0.0
9	0330	3.9	1.2	24	0321	3.6	1.1
F	1106	-0.3	-0.1	Sa	1008	-0.3	-0.1
	1559	3.3	1.0		1544	3.0	0.9
	2323	0.7	0.2		2145	0.0	0.0
10	0407	3.6	1.1	25	0352	3.3	1.0
Sa	1149	0.0	0.0	Su	1041	0.0	0.0
	1625	3.3	1.0		1609	3.0	0.9
					2207	0.0	0.0
11	0005	1.0	0.3	26	0427	3.3	1.0
Su	0444	3.6	1.1	M	1123	0.0	0.0
	1233	0.7	0.2		1638	2.6	0.8
	1652	3.0	0.9		2217	0.0	0.0
	2335	1.0	0.3				
12	0522	3.0	0.9	27	0505	3.0	0.9
M	1321	1.3	0.4	Tu	1240	0.7	0.2
	1721	3.0	0.9		1711	2.3	0.7
	2152	1.0	0.3				
13	0604	2.6	0.8	28	0111	0.7	0.2
Tu	1007	1.3	0.4	W	0550	2.6	0.8
	1753	2.6	0.8		1414	1.0	0.3
	2225	1.0	0.3		1748	2.0	0.6
14	0048	1.3	0.4	29	0238	0.3	0.1
W	0303	1.0	0.3	Th	0644	2.0	0.6
	0655	2.0	0.6		1540	1.0	0.3
	1017	1.6	0.5		1836	1.6	0.5
	1832	2.3	0.7		2201	1.0	0.3
15	0407	0.7	0.2	30	0007	1.0	0.3
Th	1344	2.0	0.6	F	0349	0.0	0.0
	1652	1.6	0.5		1243	2.3	0.7
	1933	2.0	0.6		1658	1.0	0.3

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0019	1.3	0.4	16	0524	0.0	0.0
Sa	0453	0.0	0.0	Su	1228	2.3	0.7
	1308	2.6	0.8		1811	1.0	0.3
	1803	0.7	0.2		2351	2.3	0.7
2	0026	1.6	0.5	17	0612	0.0	0.0
Su	0553	-0.7	-0.2	M	1248	2.6	0.8
	1327	3.0	0.9		1847	0.7	0.2
	1855	0.0	0.0				
3	0037	2.3	0.7	18	0027	2.6	0.8
M	0648	-1.0	-0.3	Tu	0653	0.0	0.0
	1342	3.0	0.9		1313	3.0	0.9
	1938	0.0	0.0		1916	0.0	0.0
4	0100	2.6	0.8	19	0058	3.0	0.9
Tu	0740	-1.3	-0.4	W	0729	-0.3	-0.1
	1356	3.3	1.0		1338	3.0	0.9
	2018	0.0	0.0		1942	0.0	0.0
5	0128	3.0	0.9	20	0128	3.3	1.0
W	0828	-1.3	-0.4	Th	0804	-0.7	-0.2
	1414	3.3	1.0		1402	3.3	1.0
	2056	0.0	0.0		2008	0.0	0.0
6	0201	3.3	1.0	21	0157	3.6	1.1
Th	0914	-1.3	-0.4	F	0839	-0.7	-0.2
	1435	3.3	1.0		1425	3.3	1.0
	2132	0.0	0.0		2036	0.0	0.0
7	0235	3.6	1.1	22	0227	3.6	1.1
F	0958	-1.0	-0.3	Sa	0915	-0.3	-0.1
	1459	3.3	1.0		1448	3.3	1.0
	2208	0.0	0.0		2105	0.0	0.0
8	0310	3.6	1.1	23	0259	3.6	1.1
Sa	1039	-0.3	-0.1	Su	0954	0.0	0.0
	1525	3.0	0.9		1514	3.3	1.0
	2243	0.0	0.0		2138	0.0	0.0
9	0345	3.3	1.0	24	0333	3.6	1.1
Su	1119	0.0	0.0	M	1040	0.0	0.0
	1552	3.0	0.9		1542	3.0	0.9
	2317	0.0	0.0		2218	0.0	0.0
10	0422	3.0	0.9	25	0411	3.3	1.0
M	1157	0.7	0.2	Tu	1138	0.7	0.2
	1620	3.0	0.9		1613	3.0	0.9
	2117	0.0	0.0		2332	0.3	0.1
11	0500	2.6	0.8	26	0453	3.3	1.0
Tu	0930	1.0	0.3	W	1252	1.0	0.3
	1649	2.6	0.8		1648	2.6	0.8
	2141	0.3	0.1				
12	0541	2.3	0.7	27	0103	0.7	0.2
W	0940	1.3	0.4	Th	0540	2.6	0.8
	1722	2.3	0.7		1410	1.3	0.4
	2216	0.7	0.2		1727	2.3	0.7
13	0631	2.0	0.6	28	0220	0.7	0.2
Th	0951	1.3	0.4	F	0638	2.3	0.7
	1801	2.3	0.7		1527	1.3	0.4
	2308	1.0	0.3		1818	2.0	0.6
14	0012	1.0	0.3	29	0329	0.3	0.1
F	0329	0.7	0.2	Sa	1219	2.6	0.8
	1309	2.0	0.6		1638	1.3	0.4
	1616	1.6	0.5		2347	2.0	0.6
	1859	1.6	0.5				
15	0430	0.3	0.1	30	0432	0.0	0.0
Sa	1233	2.0	0.6	Su	1246	3.0	0.9
	1723	1.3	0.4		1738	1.0	0.3
	2302	2.0	0.6		2356	2.3	0.7
				31	0532	0.0	0.0
				M	1303	3.3	1.0
					1828	0.7	0.2

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0010	3.0	0.9	16	0613	1.0	0.3
Tu	0608	0.0	0.0	W	1237	3.6	1.1
	1309	3.3	1.0		1835	1.3	0.4
	1910	0.7	0.2				
2	0035	3.3	1.0	17	0029	3.6	1.1
W	0720	0.0	0.0	Th	0656	0.7	0.2
	1317	3.3	1.0		1303	3.6	1.1
	1950	0.3	0.1		1909	1.0	0.3
3	0106	3.6	1.1	18	0101	3.9	1.2
Th	0808	0.0	0.0	F	0737	0.7	0.2
	1334	3.6	1.1		1329	3.9	1.2
	2027	0.0	0.0		1943	0.7	0.2
4	0140	3.9	1.2	19	0133	4.3	1.3
F	0853	0.0	0.0	Sa	0819	0.7	0.2
	1358	3.6	1.1		1354	3.9	1.2
	2104	0.0	0.0		2019	0.7	0.2
5	0215	3.9	1.2	20	0208	4.3	1.3
Sa	0935	0.0	0.0	Su	0903	0.7	0.2
	1425	3.6	1.1		1421	3.9	1.2
	2140	0.0	0.0		2059	0.7	0.2
6	0251	3.9	1.2	21	0244	4.6	1.4
Su	1015	0.7	0.2	M	0952	1.0	0.3
	1454	3.6	1.1		1450	3.9	1.2
	2214	0.3	0.1		2144	0.7	0.2
7	0328	3.9	1.2	22	0323	4.6	1.4
M	1053	1.0	0.3	Tu	1045	1.3	0.4
	1524	3.6	1.1		1522	3.9	1.2
	2246	0.7	0.2		2238	0.7	0.2
8	0405	3.6	1.1	23	0405	4.3	1.3
Tu	1127	1.6	0.5	W	1144	1.6	0.5
	1555	3.6	1.1		1557	3.6	1.1
	2130	0.7	0.2		2343	1.0	0.3
9	0444	3.3	1.0	24	0450	3.9	1.2
W	0927	2.0	0.6	Th	1249	2.0	0.6
	1628	3.3	1.0		1636	3.6	1.1
	2156	1.0	0.3				
10	0527	3.0	0.9	25	0052	1.0	0.3
Th	0944	2.0	0.6	F	0539	3.9	1.2
	1704	3.3	1.0		1356	2.3	0.7
	2248	1.3	0.4		1719	3.3	1.0
11	0616	3.0	0.9	26	0200	1.3	0.4
F	1414	2.3	0.7	Sa	0637	3.6	1.1
	1746	3.0	0.9		1502	2.3	0.7
					1813	3.3	1.0
12	0242	1.3	0.4	27	0305	1.3	0.4
Sa	0733	2.6	0.8	Su	1151	3.6	1.1
	1526	2.3	0.7		1606	2.3	0.7
	1845	2.6	0.8		1931	3.3	1.0
13	0342	1.3	0.4	28	0408	1.3	0.4
Su	1102	3.0	0.9	M	1224	3.9	1.2
	1628	2.0	0.6		1703	2.3	0.7
	2153	2.6	0.8		2250	3.3	1.0
14	0437	1.3	0.4	29	0509	1.3	0.4
M	1137	3.3	1.0	Tu	1234	3.9	1.2
	1719	1.6	0.5		1754	2.0	0.6
	2312	3.0	0.9		2331	3.9	1.2
15	0528	1.0	0.3	30	0606	1.3	0.4
Tu	1208	3.3	1.0	W	1219	3.9	1.2
	1800	1.6	0.5		1840	1.6	0.5
	2354	3.3	1.0				

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0008	4.3	1.3	16	0627	2.0	0.6
Th	0659	1.3	0.4	F	1229	4.3	1.3
	1229	3.9	1.2		1841	2.0	0.6
	1922	1.3	0.4				
2	0044	4.6	1.4	17	0037	4.6	1.4
F	0748	1.3	0.4	Sa	0717	1.6	0.5
	1254	4.3	1.3		1259	4.3	1.3
	2003	1.3	0.4		1925	1.6	0.5
3	0122	4.6	1.4	18	0118	4.9	1.5
Sa	0833	1.6	0.5	Su	0807	1.6	0.5
	1324	4.3	1.3		1330	4.3	1.3
	2042	1.0	0.3		2010	1.3	0.4
4	0200	4.9	1.5	19	0159	4.9	1.5
Su	0915	1.6	0.5	M	0857	1.6	0.5
	1357	4.6	1.4		1402	4.6	1.4
	2121	1.0	0.3		2057	1.0	0.3
5	0238	4.6	1.4	20	0241	5.2	1.6
M	0955	2.0	0.6	Tu	0949	2.0	0.6
	1431	4.6	1.4		1437	4.6	1.4
	2157	1.0	0.3		2147	1.0	0.3
6	0317	4.6	1.4	21	0323	5.2	1.6
Tu	1031	2.3	0.7	W	1043	2.0	0.6
	1505	4.6	1.4		1513	4.6	1.4
	2232	1.3	0.4		2240	1.0	0.3
7	0356	4.6	1.4	22	0407	4.9	1.5
W	1105	2.3	0.7	Th	1137	2.3	0.7
	1540	4.6	1.4		1551	4.6	1.4
	2307	1.3	0.4		2337	1.3	0.4
8	0435	4.3	1.3	23	0451	4.9	1.5
Th	1135	2.6	0.8	F	1234	2.6	0.8
	1617	4.6	1.4		1632	4.6	1.4
	2349	1.6	0.5				
9	0516	4.3	1.3	24	0036	1.3	0.4
F	1211	3.0	0.9	Sa	0535	4.6	1.4
	1656	4.3	1.3		1331	3.0	0.9
					1717	4.3	1.3
10	0044	2.0	0.6	25	0138	1.6	0.5
Sa	0601	3.9	1.2	Su	0622	4.3	1.3
	1313	3.0	0.9		1429	3.0	0.9
	1739	4.3	1.3		1807	4.3	1.3
11	0146	2.0	0.6	26	0240	2.0	0.6
Su	0654	3.9	1.2	M	0714	3.9	1.2
	1421	3.0	0.9		1527	3.0	0.9
	1830	3.9	1.2		1909	4.3	1.3
12	0247	2.3	0.7	27	0342	2.3	0.7
M	0815	3.9	1.2	Tu	0817	3.9	1.2
	1523	3.0	0.9		1624	3.0	0.9
	1941	3.9	1.2		2036	3.9	1.2
13	0347	2.3	0.7	28	0444	2.3	0.7
Tu	1018	3.9	1.2	W	0941	3.9	1.2
	1620	2.6	0.8		1718	2.6	0.8
	2144	3.9	1.2		2234	4.3	1.3
14	0442	2.3	0.7	29	0543	2.3	0.7
W	1116	3.9	1.2	Th	1049	3.9	1.2
	1710	2.6	0.8		1810	2.3	0.7
	2305	4.3	1.3		2345	4.3	1.3
15	0536	2.0	0.6	30	0638	2.3	0.7
Th	1156	4.3	1.3	F	1136	4.3	1.3
	1757	2.3	0.7		1859	2.0	0.6
	2355	4.3	1.3				
				31	0032	4.6	1.4
				Sa	0729	2.3	0.7
					1218	4.3	1.3
					1944	1.6	0.5

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0421	5.2	1.6	16 Su	0417	4.9	1.5
	1048	2.6	0.8		1013	2.0	0.6
	1623	4.3	1.3		1543	4.9	1.5
	2309	0.7	0.2		2240	1.0	0.3
2 Su	0455	4.9	1.5	17 M	0447	4.9	1.5
	1127	3.0	0.9		1048	2.0	0.6
	1620	3.9	1.2		1618	4.9	1.5
	2353	1.0	0.3		2315	1.3	0.4
3 M	0524	4.6	1.4	18 Tu	0517	4.6	1.4
	1202	3.0	0.9		1126	2.3	0.7
	1623	3.9	1.2		1655	4.6	1.4
					2354	1.6	0.5
4 Tu	0038	1.0	0.3	19 W	0546	4.3	1.3
	0548	4.3	1.3		1211	2.3	0.7
	1237	3.3	1.0		1737	4.6	1.4
	1644	3.9	1.2				
5 W	0124	1.6	0.5	20 Th	0038	1.6	0.5
	0615	3.9	1.2		0619	3.9	1.2
	1316	3.3	1.0		1307	2.6	0.8
	1718	3.9	1.2		1831	4.3	1.3
6 Th	0212	2.0	0.6	21 F	0129	2.0	0.6
	0650	3.9	1.2		0707	3.6	1.1
	1411	3.3	1.0		1417	2.6	0.8
	2230	3.9	1.2		1955	4.3	1.3
7 F	0304	2.3	0.7	22 Sa	0232	2.3	0.7
	0739	3.9	1.2		1056	3.9	1.2
	1527	3.3	1.0		1535	2.6	0.8
	2325	4.3	1.3		2205	4.3	1.3
8 Sa	0402	2.3	0.7	23 Su	0351	2.6	0.8
	0908	3.9	1.2		1158	3.9	1.2
	1658	3.0	0.9		1654	2.3	0.7
					2335	4.6	1.4
9 Su	0012	4.6	1.4	24 M	0531	2.6	0.8
	0503	2.6	0.8		1246	4.3	1.3
	1125	3.9	1.2		1805	2.0	0.6
	1813	2.6	0.8				
10 M	0053	4.9	1.5	25 Tu	0040	4.9	1.5
	0603	2.3	0.7		0703	2.3	0.7
	1211	4.3	1.3		1329	4.3	1.3
	1904	2.3	0.7		1905	1.3	0.4
11 Tu	0131	5.2	1.6	26 W	0134	5.2	1.6
	0658	2.3	0.7		0801	2.0	0.6
	1249	4.6	1.4		1410	4.6	1.4
	1946	2.0	0.6		1957	0.7	0.2
12 W	0207	5.2	1.6	27 Th	0222	5.2	1.6
	0745	2.0	0.6		0846	1.6	0.5
	1326	4.6	1.4		1447	4.3	1.3
	2024	1.6	0.5		2044	0.0	0.0
13 Th	0241	5.2	1.6	28 F	0304	5.2	1.6
	0826	2.0	0.6		0924	1.6	0.5
	1401	4.9	1.5		1522	4.3	1.3
	2059	1.3	0.4		2128	0.0	0.0
14 F	0314	5.2	1.6	29 Sa	0340	5.2	1.6
	0904	2.0	0.6		0958	1.6	0.5
	1436	4.9	1.5		1551	4.3	1.3
	2133	1.0	0.3		2209	0.0	0.0
15 Sa	0346	5.2	1.6	30 Su	0409	4.9	1.5
	0939	2.0	0.6		1028	1.6	0.5
	1509	4.9	1.5		1612	3.9	1.2
	2206	1.0	0.3		2249	0.0	0.0
				31 M	0430	4.6	1.4
					1054	2.0	0.6
					1623	3.9	1.2
					2327	0.0	0.0

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0447	4.3	1.3	16 W	0449	3.9	1.2
	1116	2.0	0.6		1057	1.0	0.3
	1632	3.9	1.2		1639	4.3	1.3
					2323	0.3	0.1
2 W	0005	0.3	0.1	17 Th	0509	3.6	1.1
	0504	3.9	1.2		1137	1.0	0.3
	1133	2.0	0.6		1716	3.9	1.2
	1651	3.6	1.1				
3 Th	0044	1.0	0.3	18 F	0000	0.7	0.2
	0526	3.6	1.1		0526	3.3	1.0
	1146	2.0	0.6		1227	1.3	0.4
	1717	3.6	1.1		1759	3.6	1.1
4 F	0126	1.3	0.4	19 Sa	0043	1.3	0.4
	0553	3.6	1.1		0540	3.0	0.9
	1158	2.3	0.7		1332	1.6	0.5
	1753	3.3	1.0		1856	3.3	1.0
5 Sa	0217	2.0	0.6	20 Su	0140	1.6	0.5
	0628	3.3	1.0		1046	2.6	0.8
	1357	2.3	0.7		1453	1.6	0.5
	2311	3.3	1.0		2121	3.0	0.9
6 Su	0322	2.3	0.7	21 M	0316	2.0	0.6
	0718	3.0	0.9		1155	2.6	0.8
	1559	2.3	0.7		1623	1.3	0.4
					2350	3.3	1.0
7 M	0010	3.6	1.1	22 Tu	0801	1.6	0.5
	0441	2.3	0.7		1242	3.0	0.9
	1129	3.0	0.9		1745	1.0	0.3
	1750	2.0	0.6				
8 Tu	0054	3.9	1.2	23 W	0058	3.9	1.2
	0559	2.0	0.6		0805	1.3	0.4
	1215	3.3	1.0		1321	3.3	1.0
	1853	1.3	0.4		1850	0.0	0.0
9 W	0131	4.3	1.3	24 Th	0145	4.3	1.3
	0656	1.6	0.5		0823	1.0	0.3
	1249	3.6	1.1		1357	3.6	1.1
	1935	1.0	0.3		1942	-0.3	-0.1
10 Th	0204	4.6	1.4	25 F	0224	4.3	1.3
	0740	1.3	0.4		0846	0.7	0.2
	1323	3.9	1.2		1430	3.6	1.1
	2011	0.7	0.2		2027	-1.0	-0.3
11 F	0235	4.6	1.4	26 Sa	0255	4.3	1.3
	0816	1.0	0.3		0910	0.3	0.1
	1355	3.9	1.2		1459	3.6	1.1
	2044	0.0	0.0		2107	-1.3	-0.4
12 Sa	0305	4.6	1.4	27 Su	0321	4.3	1.3
	0849	0.7	0.2		0933	0.3	0.1
	1428	4.3	1.3		1524	3.6	1.1
	2115	0.0	0.0		2145	-1.3	-0.4
13 Su	0333	4.6	1.4	28 M	0340	3.9	1.2
	0920	0.7	0.2		0956	0.3	0.1
	1500	4.3	1.3		1544	3.6	1.1
	2146	0.0	0.0		2221	-1.0	-0.3
14 M	0401	4.3	1.3				
	0951	0.7	0.2				
	1532	4.3	1.3				
	2217	0.0	0.0				
15 Tu	0426	4.3	1.3				
	1023	0.7	0.2				
	1605	4.3	1.3				
	2249	0.0	0.0				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0354	3.6	1.1	16 W	0401	3.6	1.1
	1016	0.3	0.1		0959	-0.3	-0.1
	1600	3.3	1.0		1548	3.9	1.2
	2256	-0.7	-0.2		2222	-0.7	-0.2
2 W	0408	3.3	1.0	17 Th	0419	3.3	1.0
	1032	0.7	0.2		1034	0.0	0.0
	1617	3.3	1.0		1622	3.9	1.2
	2330	-0.3	-0.1		2255	0.0	0.0
3 Th	0425	3.3	1.0	18 F	0432	3.0	0.9
	1043	0.7	0.2		1113	0.0	0.0
	1639	3.0	0.9		1658	3.6	1.1
					2329	0.0	0.0
4 F	0004	0.0	0.0	19 Sa	0439	2.6	0.8
	0446	3.0	0.9		1202	0.3	0.1
	1041	0.7	0.2		1739	3.3	1.0
	1706	2.6	0.8				
5 Sa	0043	0.7	0.2	20 Su	0008	1.0	0.3
	0511	3.0	0.9		0442	2.3	0.7
	1032	1.0	0.3		1308	0.7	0.2
	1740	2.3	0.7		1832	2.6	0.8
6 Su	0133	1.3	0.4	21 M	0101	1.3	0.4
	0540	2.6	0.8		0438	2.0	0.6
	1037	1.0	0.3		1430	0.7	0.2
	2309	2.3	0.7		2206	2.3	0.7
7 M	0248	1.6	0.5	22 Tu	0810	1.0	0.3
	0616	2.3	0.7		1144	2.0	0.6
	1521	1.3	0.4		1557	0.7	0.2
8 Tu	0012	2.6	0.8	23 W	0015	3.0	0.9
	0435	1.6	0.5		0808	1.0	0.3
	1157	2.0	0.6		1226	2.3	0.7
	1712	1.0	0.3		1718	0.0	0.0
9 W	0052	3.0	0.9	24 Th	0105	3.3	1.0
	0609	1.3	0.4		0807	0.7	0.2
	1217	2.3	0.7		1301	2.6	0.8
	1824	0.7	0.2		1823	-0.3	-0.1
10 Th	0124	3.3	1.0	25 F	0140	3.6	1.1
	0656	0.7	0.2		0812	0.0	0.0
	1243	2.6	0.8		1333	3.0	0.9
	1909	0.0	0.0		1914	-1.0	-0.3
11 F	0153	3.6	1.1	26 Sa	0208	3.6	1.1
	0729	0.3	0.1		0824	0.0	0.0
	1312	3.0	0.9		1403	3.3	1.0
	1944	0.0	0.0		1958	-1.3	-0.4
12 Sa	0221	3.6	1.1	27 Su	0231	3.6	1.1
	0759	0.0	0.0		0841	0.0	0.0
	1342	3.6	1.1		1430	3.3	1.0
	2017	-0.3	-0.1		2038	-1.3	-0.4
13 Su	0248	3.9	1.2	28 M	0249	3.6	1.1
	0828	0.0	0.0		0901	0.0	0.0
	1413	3.6	1.1		1454	3.6	1.1
	2048	-0.7	-0.2		2115	-1.3	-0.4
14 M	0314	3.9	1.2	29 Tu	0303	3.6	1.1
	0858	-0.3	-0.1		0921	0.0	0.0
	1444	3.9	1.2		1517	3.6	1.1
	2119	-0.7	-0.2		2150	-1.0	-0.3
15 Tu	0338	3.6	1.1	30 W	0316	3.3	1.0
	0928	-0.3	-0.1		0941	0.0	0.0
	1516	3.9	1.2		1539	3.3	1.0
	2150	-0.7	-0.2		2224	-0.7	-0.2
				31 Th	0332	3.3	1.0
					0958	0.0	0.0
					1603	3.3	1.0
					2257	0.0	0.0

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0352	3.0	0.9	16	0358	3.3	1.0
F	1011	0.0	0.0	Sa	1100	0.0	0.0
	1631	3.0	0.9		1649	3.9	1.2
	2330	0.3	0.1		2311	1.0	0.3
2	0414	3.0	0.9	17	0359	3.0	0.9
Sa	1018	0.0	0.0	Su	1154	0.3	0.1
	1704	2.6	0.8		1734	3.6	1.1
					2352	1.6	0.5
3	0007	1.0	0.3	18	0357	2.6	0.8
Su	0438	2.6	0.8	M	1301	0.7	0.2
	1019	0.7	0.2		1833	3.0	0.9
	1743	2.3	0.7				
4	0056	1.3	0.4	19	0049	2.3	0.7
M	0504	2.6	0.8	Tu	0345	2.6	0.8
	1239	1.0	0.3		1417	1.0	0.3
	2033	2.0	0.6		2245	3.0	0.9
5	0219	1.6	0.5	20	0745	1.3	0.4
Tu	0533	2.0	0.6	W	1119	2.3	0.7
	1452	1.0	0.3		1531	0.7	0.2
	2359	2.3	0.7				
6	0623	1.6	0.5	21	0010	3.3	1.0
W	1136	1.6	0.5	Th	0746	1.3	0.4
	1620	1.0	0.3		1159	3.0	0.9
					1640	0.7	0.2
7	0037	3.0	0.9	22	0051	3.6	1.1
Th	0609	1.3	0.4	F	0744	1.0	0.3
	1157	2.3	0.7		1233	3.3	1.0
	1730	0.7	0.2		1740	0.0	0.0
8	0107	3.3	1.0	23	0119	3.9	1.2
F	0640	0.7	0.2	Sa	0744	1.0	0.3
	1223	3.0	0.9		1304	3.6	1.1
	1823	0.3	0.1		1833	0.0	0.0
9	0134	3.6	1.1	24	0141	3.9	1.2
Sa	0708	0.3	0.1	Su	0752	0.7	0.2
	1251	3.3	1.0		1333	3.9	1.2
	1905	0.0	0.0		1920	0.0	0.0
10	0200	3.6	1.1	25	0158	3.9	1.2
Su	0736	0.0	0.0	M	0808	0.7	0.2
	1321	3.6	1.1		1401	4.3	1.3
	1941	0.0	0.0		2003	0.0	0.0
11	0225	3.9	1.2	26	0212	3.9	1.2
M	0804	0.0	0.0	Tu	0828	0.3	0.1
	1352	4.3	1.3		1428	4.3	1.3
	2016	0.0	0.0		2042	0.0	0.0
12	0250	3.9	1.2	27	0225	3.9	1.2
Tu	0834	-0.3	-0.1	W	0851	0.3	0.1
	1424	4.3	1.3		1456	4.3	1.3
	2050	-0.3	-0.1		2120	0.0	0.0
13	0314	3.9	1.2	28	0242	3.9	1.2
W	0905	-0.3	-0.1	Th	0914	0.3	0.1
	1458	4.6	1.4		1526	4.3	1.3
	2125	0.0	0.0		2156	0.7	0.2
14	0335	3.9	1.2	29	0303	3.9	1.2
Th	0939	-0.3	-0.1	F	0938	0.7	0.2
	1533	4.6	1.4		1558	3.9	1.2
	2159	0.0	0.0		2231	1.0	0.3
15	0350	3.6	1.1	30	0326	3.9	1.2
F	1017	0.0	0.0	Sa	1002	0.7	0.2
	1609	4.3	1.3		1632	3.9	1.2
	2234	0.3	0.1		2306	1.3	0.4

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0351	3.9	1.2	16	0336	3.9	1.2
Su	1030	1.0	0.3	M	1155	1.3	0.4
	1711	3.6	1.1		1745	4.6	1.4
	2343	2.0	0.6		2356	3.0	0.9
2	0417	3.6	1.1	17	0333	3.6	1.1
M	1124	1.3	0.4	Tu	1257	1.6	0.5
	1755	3.3	1.0		1849	4.3	1.3
3	0030	2.3	0.7	18	0058	3.3	1.0
Tu	0445	3.3	1.0	W	0951	3.3	1.0
	1300	1.6	0.5		1400	1.6	0.5
	1853	3.3	1.0		2159	4.3	1.3
4	0143	2.6	0.8	19	0718	2.6	0.8
W	0516	3.0	0.9	Th	1043	3.6	1.1
	1420	1.6	0.5		1501	1.6	0.5
	2315	3.3	1.0		2338	4.3	1.3
5	0349	2.6	0.8	20	0721	2.6	0.8
Th	1040	2.6	0.8	F	1124	4.3	1.3
	1529	1.6	0.5		1557	1.6	0.5
6	0005	3.6	1.1	21	0023	4.6	1.4
F	0531	2.3	0.7	Sa	0714	2.6	0.8
	1119	3.3	1.0		1200	4.6	1.4
	1630	1.6	0.5		1652	1.6	0.5
7	0039	3.9	1.2	22	0050	4.6	1.4
Sa	0608	2.0	0.6	Su	0708	2.6	0.8
	1150	3.9	1.2		1233	4.9	1.5
	1725	1.6	0.5		1745	1.6	0.5
8	0107	4.3	1.3	23	0108	4.6	1.4
Su	0638	1.6	0.5	M	0717	2.3	0.7
	1222	4.6	1.4		1305	5.2	1.6
	1815	1.3	0.4		1837	1.6	0.5
9	0134	4.6	1.4	24	0121	4.9	1.5
M	0708	1.3	0.4	Tu	0737	2.0	0.6
	1255	4.9	1.5		1337	5.6	1.7
	1901	1.3	0.4		1926	2.0	0.6
10	0201	4.9	1.5	25	0135	4.9	1.5
Tu	0739	1.0	0.3	W	0802	2.0	0.6
	1329	5.2	1.6		1410	5.6	1.7
	1944	1.3	0.4		2013	2.0	0.6
11	0228	4.9	1.5	26	0154	5.2	1.6
W	0811	0.7	0.2	Th	0830	1.6	0.5
	1405	5.6	1.7		1445	5.6	1.7
	2026	1.3	0.4		2056	2.0	0.6
12	0253	4.9	1.5	27	0218	5.2	1.6
Th	0847	0.7	0.2	F	0900	1.6	0.5
	1444	5.6	1.7		1521	5.6	1.7
	2107	1.3	0.4		2136	2.3	0.7
13	0316	4.9	1.5	28	0244	5.2	1.6
F	0925	0.7	0.2	Sa	0932	1.6	0.5
	1524	5.6	1.7		1559	5.6	1.7
	2148	1.6	0.5		2214	2.3	0.7
14	0332	4.6	1.4	29	0311	5.2	1.6
Sa	1008	1.0	0.3	Su	1008	2.0	0.6
	1607	5.2	1.6		1637	5.2	1.6
	2228	2.0	0.6		2250	2.6	0.8
15	0338	4.3	1.3	30	0340	5.2	1.6
Su	1057	1.0	0.3	M	1051	2.0	0.6
	1654	4.9	1.5		1716	4.9	1.5
	2310	2.6	0.8		2326	3.0	0.9
				31	0409	4.9	1.5
				Tu	1145	2.3	0.7
					1756	4.9	1.5

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0005	3.3	1.0	16	0041	4.3	1.3
W	0441	4.6	1.4	Th	0352	4.6	1.4
	1245	2.6	0.8		1336	2.3	0.7
	1840	4.6	1.4		1913	5.2	1.6
2	0056	3.6	1.1	17	0136	4.3	1.3
Th	0519	4.6	1.4	F	0959	4.6	1.4
	1344	2.6	0.8		1426	2.3	0.7
	1937	4.6	1.4		1949	4.9	1.5
3	0218	3.9	1.2	18	0707	4.3	1.3
F	0635	4.3	1.3	Sa	1047	4.9	1.5
	1441	3.0	0.9		1515	2.6	0.8
	2256	4.6	1.4		2343	4.9	1.5
4	0406	3.6	1.1	19	0648	3.9	1.2
Sa	1019	4.6	1.4	Su	1129	5.2	1.6
	1535	3.0	0.9		1605	3.0	0.9
	2358	4.9	1.5				
5	0516	3.6	1.1	20	0018	4.9	1.5
Su	1108	5.2	1.6	M	0629	3.6	1.1
	1629	3.0	0.9		1208	5.6	1.7
					1658	3.3	1.0
6	0036	5.2	1.6	21	0032	4.9	1.5
M	0600	3.0	0.9	Tu	0646	3.3	1.0
	1149	5.6	1.7		1246	5.9	1.8
	1725	3.0	0.9		1756	3.3	1.0
7	0109	5.6	1.7	22	0046	5.2	1.6
Tu	0638	2.6	0.8	W	0714	3.0	0.9
	1229	6.2	1.9		1324	5.9	1.8
	1823	3.0	0.9		1856	3.3	1.0
8	0141	5.9	1.8	23	0108	5.6	1.7
W	0715	2.3	0.7	Th	0746	2.6	0.8
	1310	6.6	2.0		1402	6.2	1.9
	1921	3.0	0.9		1953	3.3	1.0
9	0212	5.9	1.8	24	0136	5.9	1.8
Th	0754	2.0	0.6	F	0819	2.6	0.8
	1353	6.6	2.0		1441	6.2	1.9
	2015	2.6	0.8		2041	3.3	1.0
10	0242	5.9	1.8	25	0205	5.9	1.8
F	0835	2.0	0.6	Sa	0854	2.3	0.7
	1439	6.6	2.0		1520	6.2	1.9
	2105	3.0	0.9		2122	3.0	0.9
11	0311	5.6	1.7	26	0235	5.9	1.8
Sa	0918	1.6	0.5	Su	0929	2.3	0.7
	1527	6.6	2.0		1557	6.2	1.9
	2151	3.0	0.9		2159	3.0	0.9
12	0334	5.6	1.7	27	0305	5.9	1.8
Su	1006	1.6	0.5	M	1007	2.3	0.7
	1617	6.2	1.9		1634	5.9	1.8
	2235	3.3	1.0		2233	3.3	1.0
13	0347	5.2	1.6	28	0335	5.9	1.8
M	1057	1.6	0.5	Tu	1047	2.3	0.7
	1706	6.2	1.9		1709	5.9	1.8
	2317	3.6	1.1		2305	3.3	1.0
14	0346	4.9	1.5	29	0406	5.9	1.8
Tu	1151	2.0	0.6	W	1130	2.6	0.8
	1753	5.9	1.8		1742	5.6	1.7
	2358	3.9	1.2		2337	3.6	1.1
15	0346	4.6	1.4	30	0439	5.6	1.7
W	1244	2.0	0.6	Th	1216	2.6	0.8
	1836	5.2	1.6		1814	5.6	1.7

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0012	3.6	1.1	16	0026	3.9	1.2
F	0517	5.6	1.7	Sa	0443	4.6	1.4
	1304	3.0	0.9		1348	2.3	0.7
	1847	5.2	1.6		1832	4.9	1.5
2	0102	3.9	1.2	17	0050	3.9	1.2
Sa	0613	5.2	1.6	Su	1010	4.6	1.4
	1352	3.3	1.0		1433	2.6	0.8
	1927	5.2	1.6		1859	4.9	1.5
3	0223	4.3	1.3	18	0207	3.9	1.2
Su	0831	5.2	1.6	M	1105	4.9	1.5
	1443	3.3	1.0		1522	3.3	1.0
	2237	4.9	1.5		1937	4.6	1.4
4	0403	3.9	1.2	19	0536	3.6	1.1
M	1016	5.6	1.7	Tu	1154	4.9	1.5
	1538	3.6	1.1		1618	3.3	1.0
					2039	4.6	1.4
5	0004	5.2	1.6	20	0628	3.3	1.0
Tu	0517	3.6	1.1	W	1239	5.2	1.6
	1116	5.9	1.8		1726	3.6	1.1
	1641	3.6	1.1				
6	0050	5.6	1.7	21	0033	4.6	1.4
W	0611	3.3	1.0	Th	0703	3.0	0.9
	1209	6.2	1.9		1320	5.6	1.7
	1757	3.6	1.1		1841	3.3	1.0
7	0129	5.9	1.8	22	0100	4.9	1.5
Th	0657	3.0	0.9	F	0736	2.3	0.7
	1301	6.6	2.0		1400	5.6	1.7
	1921	3.6	1.1		1943	3.0	0.9
8	0205	5.9	1.8	23	0130	5.2	1.6
F	0742	2.3	0.7	Sa	0810	2.0	0.6
	1353	6.6	2.0		1437	5.9	1.8
	2027	3.3	1.0		2030	2.6	0.8
9	0240	5.9	1.8	24	0200	5.6	1.7
Sa	0827	2.0	0.6	Su	0844	1.6	0.5
	1446	6.6	2.0		1513	5.9	1.8
	2117	3.3	1.0		2108	2.6	0.8
10	0313	5.9	1.8	25	0229	5.6	1.7
Su	0914	1.6	0.5	M	0917	1.6	0.5
	1537	6.6	2.0		1547	5.9	1.8
	2159	3.0	0.9		2141	2.3	0.7
11	0343	5.6	1.7	26	0259	5.6	1.7
M	1001	1.3	0.4	Tu	0951	1.6	0.5
	1623	6.6	2.0		1619	5.6	1.7
	2236	3.3	1.0		2211	2.3	0.7
12	0407	5.2	1.6	27	0328	5.6	1.7
Tu	1048	1.3	0.4	W	1026	1.6	0.5
	1703	6.2	1.9		1649	5.6	1.7
	2309	3.3	1.0		2239	2.3	0.7
13	0416	5.2	1.6	28	0358	5.6	1.7
W	1135	1.3	0.4	Th	1102	1.6	0.5
	1734	5.9	1.8		1717	5.2	1.6
	2338	3.6	1.1		2308	2.6	0.8
14	0417	4.9	1.5	29	0429	5.6	1.7
Th	1220	1.6	0.5	F	1139	2.0	0.6
	1755	5.2	1.6		1742	4.9	1.5
					2338	2.6	0.8
15	0003	3.6	1.1	30	0503	5.2	1.6
F	0425	4.9	1.5	Sa	1220	2.3	0.7
	1305	2.0	0.6		1806	4.9	1.5
	1811	5.2	1.6				
				31	0016	3.0	0.9
				Su	0544	4.9	1.5
					1304	2.3	0.7
					1829	4.6	1.4

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0113	3.3	1.0	16	0534	3.3	1.0
M	0649	4.6	1.4	Tu	0753	3.0	0.9
	1354	2.6	0.8		1059	3.3	1.0
	1855	4.3	1.3		1447	2.3	0.7
					1841	3.6	1.1
2	0247	3.3	1.0	17	0336	2.6	0.8
Tu	0913	4.6	1.4	W	1155	3.6	1.1
	1452	3.0	0.9		1552	2.6	0.8
	2344	4.3	1.3		1927	3.3	1.0
3	0433	3.0	0.9	18	0613	2.0	0.6
W	1057	4.6	1.4	Th	1239	3.9	1.2
	1609	3.3	1.0		1716	2.6	0.8
4	0041	4.6	1.4	19	0039	3.3	1.0
Th	0548	2.6	0.8	F	0649	1.6	0.5
	1207	4.9	1.5		1317	4.3	1.3
	1825	3.3	1.0		1840	2.3	0.7
5	0123	4.6	1.4	20	0058	3.6	1.1
F	0644	2.0	0.6	Sa	0721	1.0	0.3
	1308	5.2	1.6		1352	4.6	1.4
	2007	2.6	0.8		1935	1.6	0.5
6	0159	4.9	1.5	21	0123	3.9	1.2
Sa	0733	1.3	0.4	Su	0752	0.7	0.2
	1402	5.6	1.7		1425	4.6	1.4
	2048	2.3	0.7		2014	1.3	0.4
7	0233	4.9	1.5	22	0151	4.3	1.3
Su	0818	0.7	0.2	M	0822	0.3	0.1
	1451	5.6	1.7		1456	4.6	1.4
	2121	2.0	0.6		2047	1.0	0.3
8	0304	4.9	1.5	23	0218	4.6	1.4
M	0902	0.0	0.0	Tu	0853	0.0	0.0
	1534	5.6	1.7		1526	4.6	1.4
	2152	2.0	0.6		2117	0.7	0.2
9	0332	4.9	1.5	24	0247	4.6	1.4
Tu	0945	0.0	0.0	W	0923	0.0	0.0
	1609	5.6	1.7		1556	4.6	1.4
	2219	2.0	0.6		2145	0.7	0.2
10	0354	4.6	1.4	25	0315	4.6	1.4
W	1028	0.0	0.0	Th	0954	0.0	0.0
	1636	4.9	1.5		1622	4.3	1.3
	2244	2.0	0.6		2213	0.7	0.2
11	0407	4.6	1.4	26	0343	4.6	1.4
Th	1109	0.0	0.0	F	1026	0.0	0.0
	1654	4.6	1.4		1646	3.9	1.2
	2305	2.0	0.6		2241	1.0	0.3
12	0415	4.3	1.3	27	0412	4.6	1.4
F	1149	0.7	0.2	Sa	1100	0.7	0.2
	1707	4.3	1.3		1707	3.9	1.2
	2322	2.0	0.6		2311	1.0	0.3
13	0426	4.3	1.3	28	0444	4.3	1.3
Sa	1229	1.0	0.3	Su	1137	1.0	0.3
	1722	4.3	1.3		1723	3.6	1.1
	2332	2.3	0.7		2347	1.3	0.4
14	0443	3.9	1.2	29	0520	3.9	1.2
Su	1310	1.6	0.5	M	1219	1.3	0.4
	1742	3.9	1.2		1737	3.3	1.0
	2327	2.3	0.7				
15	0506	3.6	1.1	30	0037	1.6	0.5
M	1354	2.0	0.6	Tu	0608	3.6	1.1
	1808	3.9	1.2		1310	1.6	0.5
	2306	2.3	0.7		1750	3.0	0.9
				31	0201	2.0	0.6
				W	0801	3.3	1.0
					1418	2.0	0.6
					2338	2.6	0.8

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0357	1.6	0.5	16	0021	1.6	0.5
Th	1108	3.3	1.0	F	0529	1.0	0.3
	2032	2.0	0.6		1232	3.0	0.9
					1719	1.6	0.5
2	0031	3.0	0.9	17	0026	2.3	0.7
F	0528	1.0	0.3	Sa	0618	0.3	0.1
	1222	3.6	1.1		1304	3.3	1.0
	2020	1.6	0.5		1833	1.0	0.3
3	0110	3.3	1.0	18	0044	2.6	0.8
Sa	0628	0.3	0.1	Su	0652	0.0	0.0
	1316	3.9	1.2		1334	3.3	1.0
	2025	1.3	0.4		1916	0.7	0.2
4	0144	3.6	1.1	19	0107	3.0	0.9
Su	0716	0.0	0.0	M	0722	-0.3	-0.1
	1400	4.3	1.3		1403	3.6	1.1
	2042	1.0	0.3		1950	0.0	0.0
5	0215	3.9	1.2	20	0133	3.6	1.1
M	0759	-0.7	-0.2	Tu	0752	-0.7	-0.2
	1439	4.3	1.3		1432	3.6	1.1
	2104	0.7	0.2		2020	0.0	0.0
6	0243	3.9	1.2	21	0201	3.9	1.2
Tu	0840	-1.3	-0.4	W	0821	-0.7	-0.2
	1511	4.3	1.3		1500	3.6	1.1
	2127	0.3	0.1		2049	-0.3	-0.1
7	0308	3.9	1.2	22	0228	3.9	1.2
W	0920	-1.3	-0.4	Th	0850	-0.7	-0.2
	1537	3.9	1.2		1526	3.6	1.1
	2150	0.3	0.1		2118	-0.3	-0.1
8	0329	3.9	1.2	23	0257	4.3	1.3
Th	0958	-1.3	-0.4	F	0920	-0.7	-0.2
	1554	3.6	1.1		1551	3.6	1.1
	2211	0.3	0.1		2147	-0.3	-0.1
9	0344	3.6	1.1	24	0325	4.3	1.3
F	1036	-0.7	-0.2	Sa	0952	-0.7	-0.2
	1607	3.3	1.0		1612	3.3	1.0
	2230	0.3	0.1		2217	0.0	0.0
10	0358	3.3	1.0	25	0355	3.9	1.2
Sa	1113	0.0	0.0	Su	1025	0.0	0.0
	1621	3.3	1.0		1628	3.0	0.9
	2245	0.7	0.2		2250	0.0	0.0
11	0413	3.3	1.0	26	0427	3.6	1.1
Su	1151	0.0	0.0	M	1101	0.0	0.0
	1638	3.0	0.9		1639	2.6	0.8
	2253	0.7	0.2		2329	0.0	0.0
12	0434	3.0	0.9	27	0503	3.3	1.0
M	1232	0.7	0.2	Tu	1144	0.7	0.2
	1700	3.0	0.9		1646	2.3	0.7
	2247	0.7	0.2				
13	0459	2.3	0.7	28	0022	0.7	0.2
Tu	1320	1.3	0.4	W	0550	2.6	0.8
	1727	2.6	0.8		1240	1.3	0.4
	2237	1.0	0.3		1650	2.3	0.7
14	0532	2.0	0.6	29	0146	0.7	0.2
W	0756	2.0	0.6	Th	0754	2.3	0.7
	1102	2.3	0.7		2018	1.3	0.4
	1422	1.6	0.5		2321	1.6	0.5
	1800	2.6	0.8				
15	0046	1.3	0.4	30	0331	0.7	0.2
Th	1154	2.6	0.8	F	1129	2.6	0.8
	1542	1.6	0.5		2008	1.0	0.3
	1844	2.0	0.6				
	2221	1.6	0.5				

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0010	2.3	0.7	16	0529	0.3	0.1
Sa	0500	0.0	0.0	Su	1241	3.0	0.9
	1225	3.0	0.9		1806	1.0	0.3
	2003	0.7	0.2				
2	0047	2.6	0.8	17	0016	2.6	0.8
Su	0601	-0.3	-0.1	M	0611	0.0	0.0
	1307	3.3	1.0		1308	3.3	1.0
	2005	0.3	0.1		1846	0.7	0.2
3	0119	3.0	0.9	18	0042	3.3	1.0
M	0649	-1.0	-0.3	Tu	0645	0.0	0.0
	1342	3.6	1.1		1336	3.3	1.0
	2016	0.0	0.0		1919	0.0	0.0
4	0149	3.3	1.0	19	0110	3.6	1.1
Tu	0731	-1.3	-0.4	W	0716	-0.3	-0.1
	1411	3.6	1.1		1403	3.6	1.1
	2034	0.0	0.0		1950	0.0	0.0
5	0216	3.6	1.1	20	0138	3.9	1.2
W	0810	-1.6	-0.5	Th	0746	-0.3	-0.1
	1435	3.6	1.1		1430	3.6	1.1
	2055	0.0	0.0		2021	0.0	0.0
6	0241	3.6	1.1	21	0208	4.3	1.3
Th	0848	-1.3	-0.4	F	0818	-0.3	-0.1
	1453	3.3	1.0		1456	3.6	1.1
	2117	0.0	0.0		2052	-0.3	-0.1
7	0303	3.6	1.1	22	0238	4.6	1.4
F	0925	-1.0	-0.3	Sa	0850	-0.3	-0.1
	1507	3.3	1.0		1520	3.6	1.1
	2139	0.0	0.0		2125	-0.3	-0.1
8	0323	3.6	1.1	23	0309	4.6	1.4
Sa	1001	-0.7	-0.2	Su	0924	0.0	0.0
	1522	3.0	0.9		1540	3.3	1.0
	2200	0.0	0.0		2159	0.0	0.0
9	0343	3.3	1.0	24	0342	4.3	1.3
Su	1038	0.0	0.0	M	1000	0.0	0.0
	1540	3.0	0.9		1554	3.0	0.9
	2219	0.0	0.0		2238	0.0	0.0
10	0405	3.0	0.9	25	0417	3.9	1.2
M	1116	0.3	0.1	Tu	1040	0.7	0.2
	1602	3.0	0.9		1600	3.0	0.9
	2235	0.0	0.0		2324	0.0	0.0
11	0431	2.6	0.8	26	0457	3.6	1.1
Tu	1200	1.0	0.3	W	1128	1.3	0.4
	1628	2.6	0.8		1602	2.6	0.8
	2245	0.3	0.1				
12	0504	2.3	0.7	27	0024	0.7	0.2
W	1255	1.3	0.4	Th	0551	3.0	0.9
	1658	2.3	0.7		1236	2.0	0.6
	2246	0.7	0.2		1601	2.3	0.7
13	1049	2.0	0.6	28	0141	0.7	0.2
Th	1407	1.6	0.5	F	0957	2.6	0.8
	1733	2.3	0.7		1934	1.6	0.5
	2229	1.0	0.3		2249	2.3	0.7
14	1136	2.3	0.7	29	0306	0.7	0.2
F	1534	1.6	0.5	Sa	1123	3.0	0.9
	1825	2.0	0.6		1933	1.3	0.4
					2338	2.6	0.8
15	0423	0.7	0.2	30	0423	0.3	0.1
Sa	1211	2.6	0.8	Su	1208	3.3	1.0
	1705	1.3	0.4		1930	1.3	0.4
	2352	2.0	0.6				
				31	0016	3.3	1.0
				M	0524	0.0	0.0
					1243	3.6	1.1
					1930	1.0	0.3

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0050	3.6	1.1	16	0010	3.9	1.2
Tu	0613	0.0	0.0	W	0603	1.0	0.3
	1312	3.6	1.1		1306	4.3	1.3
	1940	0.7	0.2		1844	1.3	0.4
2	0121	3.9	1.2	17	0043	4.6	1.4
W	0656	-0.3	-0.1	Th	0640	1.0	0.3
	1335	3.9	1.2		1334	4.3	1.3
	1958	0.7	0.2		1919	1.0	0.3
3	0150	4.3	1.3	18	0115	4.9	1.5
Th	0737	-0.3	-0.1	F	0715	0.7	0.2
	1352	3.6	1.1		1402	4.6	1.4
	2021	0.3	0.1		1954	0.7	0.2
4	0217	4.3	1.3	19	0149	5.2	1.6
F	0815	0.0	0.0	Sa	0752	1.0	0.3
	1408	3.6	1.1		1430	4.6	1.4
	2047	0.0	0.0		2031	0.7	0.2
5	0243	4.3	1.3	20	0223	5.2	1.6
Sa	0853	0.0	0.0	Su	0829	1.0	0.3
	1425	3.6	1.1		1457	4.3	1.3
	2114	0.0	0.0		2109	0.7	0.2
6	0309	4.3	1.3	21	0300	5.2	1.6
Su	0930	0.3	0.1	M	0909	1.3	0.4
	1446	3.6	1.1		1521	4.3	1.3
	2141	0.3	0.1		2150	0.7	0.2
7	0336	3.9	1.2	22	0337	5.2	1.6
M	1009	1.0	0.3	Tu	0952	1.6	0.5
	1510	3.6	1.1		1537	3.9	1.2
	2210	0.3	0.1		2235	0.7	0.2
8	0406	3.6	1.1	23	0418	4.9	1.5
Tu	1050	1.3	0.4	W	1039	2.0	0.6
	1538	3.6	1.1		1544	3.6	1.1
	2241	0.7	0.2		2327	1.0	0.3
9	0439	3.3	1.0	24	0504	4.3	1.3
W	1136	1.6	0.5	Th	1135	2.3	0.7
	1609	3.3	1.0		1546	3.3	1.0
	2324	1.0	0.3				
10	0519	3.0	0.9	25	0025	1.0	0.3
Th	1233	2.0	0.6	F	0604	3.9	1.2
	1644	3.3	1.0		1855	2.6	0.8
					2055	3.0	0.9
11	0031	1.3	0.4	26	0129	1.3	0.4
F	0618	2.6	0.8	Sa	0924	3.6	1.1
	1343	2.3	0.7		1854	2.6	0.8
	1726	3.0	0.9		2207	3.3	1.0
12	0158	1.3	0.4	27	0236	1.3	0.4
Sa	1058	3.0	0.9	Su	1052	3.9	1.2
	1502	2.3	0.7		1857	2.6	0.8
	1833	2.6	0.8		2300	3.6	1.1
13	0322	1.3	0.4	28	0341	1.3	0.4
Su	1137	3.3	1.0	M	1140	3.9	1.2
	1620	2.0	0.6		1850	2.3	0.7
	2256	3.0	0.9		2342	3.9	1.2
14	0430	1.3	0.4	29	0440	1.3	0.4
M	1209	3.6	1.1	Tu	1213	4.3	1.3
	1722	2.0	0.6		1844	2.3	0.7
	2336	3.6	1.1				
15	0522	1.3	0.4	30	0021	4.6	1.4
Tu	1238	3.9	1.2	W	0533	1.3	0.4
	1806	1.6	0.5		1237	4.3	1.3
					1859	2.0	0.6

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0056	4.9	1.5	16	0015	5.2	1.6
Th	0621	1.3	0.4	F	0608	2.3	0.7
	1255	4.3	1.3		1311	4.9	1.5
	1924	1.6	0.5		1852	2.0	0.6
2	0129	4.9	1.5	17	0056	5.6	1.7
F	0705	1.3	0.4	Sa	0654	2.0	0.6
	1311	4.3	1.3		1344	4.9	1.5
	1954	1.6	0.5		1934	1.6	0.5
3	0202	5.2	1.6	18	0137	5.9	1.8
Sa	0748	1.3	0.4	Su	0739	2.0	0.6
	1331	4.6	1.4		1418	4.9	1.5
	2026	1.3	0.4		2018	1.3	0.4
4	0233	5.2	1.6	19	0218	5.9	1.8
Su	0829	1.6	0.5	M	0825	2.0	0.6
	1356	4.6	1.4		1452	4.9	1.5
	2100	1.3	0.4		2102	1.0	0.3
5	0305	4.9	1.5	20	0300	5.9	1.8
M	0910	1.6	0.5	Tu	0912	2.3	0.7
	1424	4.6	1.4		1526	4.6	1.4
	2135	1.3	0.4		2148	1.0	0.3
6	0337	4.9	1.5	21	0343	5.9	1.8
Tu	0950	2.0	0.6	W	1000	2.3	0.7
	1455	4.6	1.4		1559	4.6	1.4
	2211	1.3	0.4		2235	1.0	0.3
7	0410	4.6	1.4	22	0427	5.6	1.7
W	1032	2.3	0.7	Th	1048	2.6	0.8
	1529	4.6	1.4		1625	4.3	1.3
	2249	1.3	0.4		2324	1.0	0.3
8	0445	4.3	1.3	23	0512	4.9	1.5
Th	1114	2.3	0.7	F	1139	3.0	0.9
	1604	4.3	1.3		1631	3.9	1.2
	2332	1.6	0.5				
9	0523	4.3	1.3	24	0015	1.0	0.3
F	1202	2.6	0.8	Sa	0558	4.6	1.4
	1643	4.3	1.3		1231	3.3	1.0
					1955	3.9	1.2
10	0022	1.6	0.5	25	0107	1.3	0.4
Sa	0607	3.9	1.2	Su	0649	4.3	1.3
	1259	3.0	0.9		1328	3.3	1.0
	1728	3.9	1.2		2115	3.9	1.2
11	0118	2.0	0.6	26	0200	1.6	0.5
Su	0720	3.6	1.1	M	0951	3.9	1.2
	1404	3.0	0.9		1432	3.3	1.0
	1831	3.9	1.2		2217	4.3	1.3
12	0222	2.3	0.7	27	0256	2.0	0.6
M	1044	3.9	1.2	Tu	1104	3.9	1.2
	1515	3.0	0.9		1551	3.3	1.0
	2056	3.9	1.2		2311	4.3	1.3
13	0326	2.3	0.7	28	0353	2.3	0.7
Tu	1131	4.3	1.3	W	1143	3.9	1.2
	1622	3.0	0.9		1717	3.0	0.9
	2240	4.3	1.3		2358	4.6	1.4
14	0426	2.3	0.7	29	0451	2.3	0.7
W	1207	4.6	1.4	Th	1204	4.3	1.3
	1719	2.6	0.8		1815	2.6	0.8
	2332	4.9	1.5				
15	0519	2.3	0.7	30	0041	4.9	1.5
Th	1239	4.6	1.4	F	0549	2.3	0.7
	1807	2.3	0.7		1221	4.3	1.3
					1859	2.3	0.7
				31	0121	5.2	1.6
				Sa	0642	2.3	0.7
					1242	4.6	1.4
					1938	2.0	0.6

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m
1 Sa	0236	1.3	0.4
	0742	4.0	1.2
	1436	1.4	0.4
	1954	5.1	1.5
2 Su	0342	1.7	0.5
	0818	3.8	1.2
	1524	1.3	0.4
	2106	5.2	1.6
3 M	0448	2.1	0.6
	0900	3.6	1.1
	1618	1.2	0.4
	2230	5.3	1.6
4 Tu	0600	2.4	0.7
	0948	3.5	1.1
	1718	1.0	0.3
	2354	5.4	1.7
5 W	0706	2.5	0.8
	1036	3.3	1.0
	1818	0.9	0.3
6 Th	0106	5.4	1.7
	0806	2.5	0.8
	1130	3.1	1.0
	1918	0.8	0.3
7 F	0212	5.2	1.6
	0906	2.3	0.7
	1218	3.0	0.9
	2012	0.9	0.3
8 Sa	0306	4.9	1.5
	1006	2.1	0.7
	1342	2.7	0.8
	2112	1.1	0.3
9 Su	0400	4.6	1.4
	1100	1.9	0.6
	1554	2.6	0.8
	2224	1.4	0.4
10 M	0454	4.2	1.3
	1148	1.6	0.5
	1742	2.7	0.8
	2330	1.6	0.5
11 Tu	0548	3.9	1.2
	1236	1.4	0.4
	1900	2.9	0.9
12 W	0042	1.8	0.6
	0636	3.7	1.1
	1312	1.3	0.4
	1954	3.2	1.0
13 Th	0142	1.9	0.6
	0718	3.6	1.1
	1342	1.3	0.4
	2030	3.5	1.1
14 F	0230	2.1	0.6
	0754	3.5	1.1
	1406	1.3	0.4
	2100	3.8	1.2
15 Sa	0312	2.2	0.7
	0818	3.5	1.1
	1430	1.3	0.4
	2124	4.0	1.2
16 Su	0342	2.4	0.7
	0830	3.4	1.1
	1454	1.2	0.4
	2142	4.2	1.3
17 M	0412	2.6	0.8
	0842	3.4	1.0
	1530	1.1	0.4
	2212	4.3	1.3
18 Tu	0448	2.7	0.8
	0848	3.3	1.0
	1606	1.0	0.3
	2242	4.4	1.3
19 W	0530	2.8	0.8
	0900	3.3	1.0
	1642	1.0	0.3
	2318	4.4	1.4
20 Th	0612	2.7	0.8
	0924	3.2	1.0
	1718	0.9	0.3
21 F	0000	4.5	1.4
	0706	2.5	0.8
	1006	3.1	0.9
	1754	0.9	0.3
22 Sa	0036	4.5	1.4
	0754	2.3	0.7
	1100	2.9	0.9
	1824	0.9	0.3
23 Su	0124	4.4	1.4
	0848	2.0	0.6
	1200	2.9	0.9
	1906	0.9	0.3
24 M	0212	4.4	1.3
	0936	1.8	0.6
	1306	2.9	0.9
	2024	1.0	0.3
25 Tu	0312	4.3	1.3
	1024	1.7	0.5
	1412	3.1	1.0
	2142	1.1	0.3
26 W	0406	4.3	1.3
	1106	1.6	0.5
	1530	3.5	1.1
	2300	1.2	0.4
27 Th	0506	4.2	1.3
	1154	1.6	0.5
	1636	4.1	1.2
28 F	0012	1.3	0.4
	0600	4.1	1.3
	1236	1.6	0.5
	1742	4.6	1.4
29 Sa	0124	1.5	0.5
	0648	4.1	1.2
	1330	1.6	0.5
	1854	5.0	1.5
30 Su	0230	1.8	0.6
	0730	4.0	1.2
	1418	1.5	0.5
	2000	5.3	1.6
31 M	0336	2.1	0.7
	0806	3.9	1.2
	1512	1.3	0.4
	2118	5.5	1.7

FEBRUARY

Day	Time h m	Height ft	Height m
1 Tu	0442	2.4	0.7
	0842	3.8	1.2
	1612	1.1	0.3
	2230	5.6	1.7
2 W	0548	2.6	0.8
	0924	3.7	1.1
	1706	0.9	0.3
	2342	5.7	1.7
3 Th	0642	2.7	0.8
	1006	3.6	1.1
	1800	0.8	0.2
4 F	0048	5.6	1.7
	0742	2.6	0.8
	1054	3.4	1.0
	1848	0.9	0.3
5 Sa	0148	5.3	1.6
	0830	2.5	0.8
	1142	3.2	1.0
	1942	1.1	0.3
6 Su	0242	4.9	1.5
	0924	2.4	0.7
	1236	3.0	0.9
	2036	1.5	0.5
7 M	0336	4.4	1.4
	1018	2.2	0.7
	1548	2.8	0.9
	2148	1.9	0.6
8 Tu	0430	4.0	1.2
	1112	2.0	0.6
	1736	3.0	0.9
	2318	2.2	0.7
9 W	0524	3.7	1.1
	1154	1.8	0.6
	1854	3.4	1.0
10 Th	0042	2.3	0.7
	0618	3.5	1.1
	1230	1.7	0.5
	1948	3.7	1.1
11 F	0148	2.3	0.7
	0654	3.4	1.0
	1300	1.6	0.5
	2018	4.0	1.2
12 Sa	0242	2.4	0.7
	0730	3.3	1.0
	1324	1.5	0.5
	2042	4.2	1.3
13 Su	0318	2.5	0.8
	0742	3.3	1.0
	1354	1.4	0.4
	2100	4.4	1.3
14 M	0342	2.7	0.8
	0754	3.3	1.0
	1430	1.3	0.4
	2118	4.5	1.4
15 Tu	0400	2.8	0.8
	0800	3.4	1.0
	1506	1.2	0.4
	2142	4.6	1.4
16 W	0430	2.8	0.9
	0812	3.4	1.0
	1542	1.1	0.4
	2218	4.6	1.4
17 Th	0506	2.8	0.8
	0836	3.4	1.1
	1624	1.1	0.3
	2254	4.7	1.4
18 F	0548	2.6	0.8
	0912	3.5	1.1
	1706	1.0	0.3
	2324	4.7	1.4
19 Sa	0636	2.5	0.8
	1000	3.4	1.1
	1742	1.0	0.3
20 Su	0006	4.7	1.4
	0718	2.3	0.7
	1048	3.5	1.1
	1824	1.0	0.3
21 M	0048	4.7	1.4
	0806	2.1	0.7
	1148	3.5	1.1
	1912	1.1	0.4
22 Tu	0130	4.6	1.4
	0848	2.0	0.6
	1248	3.7	1.1
	2006	1.3	0.4
23 W	0230	4.4	1.3
	0936	2.0	0.6
	1348	3.9	1.2
	2124	1.5	0.5
24 Th	0342	4.2	1.3
	1030	2.1	0.6
	1506	4.2	1.3
	2248	1.7	0.5
25 F	0448	4.1	1.3
	1124	2.1	0.6
	1624	4.5	1.4
26 Sa	0012	1.8	0.6
	0554	4.1	1.2
	1218	2.0	0.6
	1742	4.9	1.5
27 Su	0118	1.9	0.6
	0642	4.1	1.2
	1318	1.9	0.6
	1848	5.2	1.6
28 M	0224	2.1	0.6
	0724	4.1	1.2
	1412	1.6	0.5
	1954	5.4	1.7

MARCH

Day	Time h m	Height ft	Height m
1 Tu	0324	2.3	0.7
	0754	4.1	1.2
	1506	1.4	0.4
	2106	5.5	1.7
2 W	0424	2.5	0.8
	0830	4.0	1.2
	1600	1.1	0.4
	2212	5.6	1.7
3 Th	0518	2.7	0.8
	0900	4.0	1.2
	1648	1.0	0.3
	2318	5.5	1.7
4 F	0606	2.8	0.8
	0942	3.9	1.2
	1736	1.0	0.3
5 Sa	0018	5.3	1.6
	0654	2.8	0.8
	1024	3.8	1.2
	1824	1.1	0.4
6 Su	0112	5.0	1.5
	0736	2.7	0.8
	1112	3.6	1.1
	1912	1.5	0.5
7 M	0212	4.5	1.4
	0818	2.6	0.8
	1218	3.5	1.1
	2012	1.9	0.6
8 Tu	0306	4.1	1.2
	0900	2.5	0.8
	1400	3.4	1.0
	2136	2.3	0.7
9 W	0400	3.6	1.1
	0930	2.4	0.7
	1648	3.5	1.1
	2324	2.5	0.8
10 Th	0500	3.3	1.0
	1012	2.2	0.7
	1754	3.8	1.2
11 F	0100	2.4	0.7
	0554	3.1	1.0
	1106	2.1	0.6
	1848	4.0	1.2
12 Sa	0200	2.3	0.7
	0636	3.1	0.9
	1154	2.0	0.6
	1924	4.2	1.3
13 Su	0242	2.4	0.7
	0706	3.1	0.9
	1242	1.9	0.6
	1948	4.3	1.3
14 M	0254	2.4	0.7
	0724	3.1	1.0
	1324	1.7	0.5
	2006	4.4	1.3
15 Tu	0306	2.5	0.8
	0730	3.2	1.0
	1406	1.6	0.5
	2030	4.4	1.4
16 W	0324	2.5	0.8
	0736	3.3	1.0
	1448	1.4	0.4
	2100	4.5	1.4
17 Th	0354	2.5	0.8
	0754	3.5	1.1
	1530	1.3	0.4
	2136	4.6	1.4
18 F	0436	2.5	0.8
	0824	3.7	1.1
	1612	1.2	0.4
	2212	4.6	1.4
19 Sa	0512	2.4	0.7
	0906	3.8	1.2
	1654	1.2	0.4
	2248	4.7	1.4
20 Su	0554	2.3	0.7
	0948	4.0	1.2
	1736	1.2	0.4
	2330	4.6	1.4
21 M	0636	2.2	0.7
	1042	4.2	1.3
	1824	1.3	0.4
22 Tu	0006	4.5	1.4
	0718	2.2	0.7
	1130	4.3	1.3
	1912	1.5	0.5
23 W	0100	4.3	1.3
	0806	2.2	0.7
	1230	4.4	1.3
	2018	1.7	0.5
24 Th	0206	4.1	1.2
	0854	2.3	0.7
	1336	4.5	1.4
	2136	1.9	0.6
25 F	0336	3.9	1.2
	0954	2.3	0.7
	1454	4.6	1.4
	2254	1.9	0.6
26 Sa	0454	3.9	1.2
	1106	2.3	0.7
	1618	4.7	1.4
27 Su	0012	1.9	0.6
	0548	3.9	1.2
	1212	2.1	0.7
	1736	4.9	1.5
28 M	0118	1.9	0.6
	0636	4.0	1.2
	1312	1.9	0.6
	1842	5.0	1.5
29 Tu	0206	2.0	0.6
	0712	4.1	1.3
	1406	1.6	0.5
	1942	5.1	1.6
30 W	0300	2.1	0.7
	0736	4.1	1.3
	1500	1.3	0.4
	2042	5.1	1.6
31 Th	0348	2.3	0.7
	0806	4.2	1.3
	1548	1.1	0.4
	2142	5.0	1.5

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0436	2.5	0.8	16	0354	1.9	0.6
F	0842	4.2	1.3	Sa	0812	3.9	1.2
	1636	1.1	0.3		1600	1.1	0.4
	2248	4.9	1.5		2130	4.2	1.3
2	0518	2.7	0.8	17	0430	2.0	0.6
Sa	0918	4.1	1.3	Su	0854	4.2	1.3
	1718	1.1	0.4		1648	1.2	0.4
	2354	4.6	1.4		2212	4.2	1.3
3	0600	2.7	0.8	18	0512	2.0	0.6
Su	1006	4.1	1.3	M	0942	4.5	1.4
	1806	1.3	0.4		1736	1.3	0.4
					2254	4.1	1.3
4	0054	4.3	1.3	19	0554	2.0	0.6
M	0630	2.7	0.8	Tu	1030	4.6	1.4
	1054	4.1	1.2		1824	1.4	0.4
	1854	1.6	0.5		2336	3.9	1.2
5	0142	3.9	1.2	20	0642	2.0	0.6
Tu	0654	2.6	0.8	W	1130	4.7	1.4
	1154	4.0	1.2		1924	1.6	0.5
	1954	2.0	0.6				
6	0236	3.5	1.1	21	0006	3.7	1.1
W	0718	2.4	0.7	Th	0730	2.0	0.6
	1312	3.9	1.2		1230	4.7	1.4
	2106	2.2	0.7		2036	1.8	0.6
7	0324	3.1	1.0	22	0212	3.6	1.1
Th	0748	2.3	0.7	F	0830	2.1	0.6
	1454	3.9	1.2		1348	4.6	1.4
	2318	2.3	0.7		2148	1.9	0.6
8	0424	2.9	0.9	23	0336	3.5	1.1
F	0836	2.2	0.7	Sa	0942	2.0	0.6
	1612	3.9	1.2		1506	4.5	1.4
					2300	1.8	0.6
9	0054	2.2	0.7	24	0436	3.6	1.1
Sa	0524	2.7	0.8	Su	1100	1.9	0.6
	0930	2.2	0.7		1624	4.4	1.4
	1706	3.9	1.2				
10	0136	2.1	0.7	25	0000	1.7	0.5
Su	0606	2.7	0.8	M	0530	3.6	1.1
	1048	2.1	0.7		1206	1.7	0.5
	1754	3.9	1.2		1730	4.4	1.4
11	0154	2.1	0.6	26	0054	1.6	0.5
M	0642	2.7	0.8	Tu	0612	3.7	1.1
	1200	2.0	0.6		1306	1.4	0.4
	1830	3.9	1.2		1830	4.4	1.3
12	0154	2.0	0.6	27	0148	1.7	0.5
Tu	0654	2.9	0.9	W	0648	3.8	1.2
	1300	1.8	0.5		1354	1.2	0.4
	1906	4.0	1.2		1924	4.3	1.3
13	0206	2.0	0.6	28	0230	1.8	0.6
W	0706	3.0	0.9	Th	0712	3.8	1.2
	1348	1.5	0.5		1442	1.0	0.3
	1942	4.1	1.2		2024	4.3	1.3
14	0242	1.9	0.6	29	0318	2.0	0.6
Th	0718	3.3	1.0	F	0742	3.9	1.2
	1430	1.3	0.4		1530	1.0	0.3
	2018	4.1	1.3		2130	4.2	1.3
15	0312	1.9	0.6	30	0354	2.2	0.7
F	0736	3.6	1.1	Sa	0818	4.0	1.2
	1518	1.2	0.4		1618	1.0	0.3
	2054	4.2	1.3		2230	4.0	1.2

MAY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0436	2.3	0.7	16	0354	1.5	0.5
Su	0900	4.0	1.2	M	0836	4.5	1.4
	1706	1.1	0.3		1636	1.0	0.3
	2330	3.8	1.2		2142	3.5	1.1
2	0500	2.3	0.7	17	0436	1.6	0.5
M	0948	4.1	1.2	Tu	0930	4.6	1.4
	1748	1.3	0.4		1730	1.2	0.4
					2230	3.4	1.0
3	0024	3.6	1.1	18	0524	1.6	0.5
Tu	0524	2.2	0.7	W	1030	4.7	1.4
	1048	4.1	1.3		1830	1.4	0.4
	1836	1.5	0.5		2324	3.3	1.0
4	0106	3.3	1.0	19	0618	1.5	0.5
W	0554	2.1	0.6	Th	1142	4.6	1.4
	1142	4.1	1.3		1936	1.6	0.5
	1924	1.8	0.5				
5	0142	3.0	0.9	20	0006	3.2	1.0
Th	0624	1.9	0.6	F	0718	1.4	0.4
	1242	4.0	1.2		1300	4.5	1.4
	2018	2.0	0.6		2042	1.6	0.5
6	0212	2.7	0.8	21	0200	3.1	1.0
F	0700	1.8	0.5	Sa	0830	1.3	0.4
	1342	3.9	1.2		1418	4.3	1.3
	2124	2.0	0.6		2148	1.6	0.5
7	0300	2.4	0.7	22	0306	3.1	1.0
Sa	0742	1.7	0.5	Su	0936	1.2	0.4
	1442	3.7	1.1		1524	4.1	1.3
	2306	2.0	0.6		2248	1.5	0.5
8	0348	2.2	0.7	23	0406	3.1	1.0
Su	0842	1.7	0.5	M	1048	1.1	0.3
	1542	3.5	1.1		1630	3.9	1.2
	2354	1.8	0.6		2342	1.4	0.4
9	0448	2.2	0.7	24	0500	3.1	1.0
M	1006	1.7	0.5	Tu	1148	1.0	0.3
	1642	3.4	1.0		1730	3.7	1.1
10	0018	1.7	0.5	25	0036	1.3	0.4
Tu	0518	2.3	0.7	W	0542	3.2	1.0
	1130	1.5	0.5		1248	0.8	0.3
	1730	3.4	1.0		1830	3.6	1.1
11	0048	1.5	0.5	26	0124	1.3	0.4
W	0548	2.5	0.8	Th	0618	3.2	1.0
	1230	1.3	0.4		1342	0.8	0.2
	1818	3.4	1.1		1924	3.5	1.1
12	0118	1.4	0.4	27	0206	1.4	0.4
Th	0612	2.8	0.9	F	0654	3.2	1.0
	1318	1.0	0.3		1430	0.7	0.2
	1900	3.5	1.1		2024	3.4	1.1
13	0154	1.3	0.4	28	0248	1.6	0.5
F	0636	3.2	1.0	Sa	0724	3.3	1.0
	1406	0.9	0.3		1518	0.8	0.2
	1942	3.6	1.1		2124	3.4	1.0
14	0230	1.4	0.4	29	0324	1.7	0.5
Sa	0706	3.7	1.1	Su	0806	3.5	1.1
	1454	0.8	0.2		1606	0.9	0.3
	2018	3.6	1.1		2224	3.3	1.0
15	0312	1.5	0.5	30	0354	1.8	0.6
Su	0748	4.1	1.3	M	0854	3.6	1.1
	1542	0.8	0.3		1648	1.0	0.3
	2100	3.6	1.1		2306	3.2	1.0
				31	0418	1.8	0.5
				Tu	0942	3.7	1.1
					1730	1.2	0.4
					2342	3.1	0.9

JUNE

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0454	1.6	0.5	16	0512	1.1	0.3
W	1036	3.8	1.2	Th	1048	4.5	1.4
	1806	1.4	0.4		1836	1.3	0.4
					2324	2.9	0.9
2	0006	2.8	0.9	17	0612	0.9	0.3
Th	0524	1.4	0.4	F	1212	4.4	1.3
	1130	3.8	1.2		1936	1.4	0.4
	1842	1.5	0.5				
3	0024	2.6	0.8	18	0030	2.9	0.9
F	0600	1.2	0.4	Sa	0718	0.7	0.2
	1218	3.7	1.1		1324	4.3	1.3
	1924	1.6	0.5		2036	1.4	0.4
4	0006	2.3	0.7	19	0130	2.9	0.9
Sa	0642	1.1	0.3	Su	0818	0.5	0.2
	1306	3.5	1.1		1430	4.0	1.2
	2018	1.6	0.5		2130	1.4	0.4
5	0006	2.1	0.7	20	0224	2.8	0.9
Su	0724	1.0	0.3	M	0924	0.5	0.1
	1400	3.3	1.0		1530	3.7	1.1
	2112	1.5	0.5		2224	1.3	0.4
6	0124	2.0	0.6	21	0318	2.7	0.8
M	0818	1.0	0.3	Tu	1024	0.5	0.1
	1454	3.1	0.9		1630	3.4	1.0
	2212	1.4	0.4		2318	1.2	0.4
7	0230	1.9	0.6	22	0424	2.7	0.8
Tu	0936	1.0	0.3	W	1130	0.5	0.2
	1554	3.0	0.9		1730	3.1	1.0
	2306	1.2	0.4				
8	0330	2.0	0.6	23	0012	1.1	0.3
W	1048	0.8	0.3	Th	0518	2.7	0.8
	1648	2.9	0.9		1230	0.5	0.2
	2348	1.0	0.3		1830	2.9	0.9
9	0424	2.3	0.7	24	0054	1.1	0.3
Th	1154	0.6	0.2	F	0624	2.7	0.8
	1742	3.0	0.9		1330	0.6	0.2
					1930	2.9	0.9
10	0030	1.0	0.3	25	0142	1.2	0.4
F	0512	2.8	0.9	Sa	0706	2.8	0.9
	1248	0.4	0.1		1424	0.6	0.2
	1830	3.0	0.9		2024	2.9	0.9
11	0112	1.0	0.3	26	0218	1.3	0.4
Sa	0554	3.3	1.0	Su	0748	3.0	0.9
	1336	0.3	0.1		1512	0.7	0.2
	1918	3.1	0.9		2118	2.9	0.9
12	0148	1.1	0.3	27	0254	1.3	0.4
Su	0636	3.8	1.2	M	0824	3.1	1.0
	1430	0.4	0.1		1554	0.9	0.3
	2000	3.1	0.9		2200	2.9	0.9
13	0230	1.2	0.4	28	0318	1.3	0.4
M	0730	4.3	1.3	Tu	0900	3.3	1.0
	1524	0.5	0.2		1630	1.0	0.3
	2042	3.0	0.9		2230	2.8	0.9
14	0318	1.2	0.4	29	0348	1.2	0.4
Tu	0824	4.5	1.4	W	0948	3.5	1.1
	1624	0.8	0.3		1706	1.2	0.4
	2130	3.0	0.9		2248	2.7	0.8
15	0412	1.2	0.4	30	0424	1.1	0.3
W	0930	4.5	1.4	Th	1030	3.5	1.1
	1730	1.1	0.3		1736	1.3	0.4
	2224	2.9	0.9		2300	2.5	0.8

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 F	0500	0.9	0.3	16 Sa	0606	0.4	0.1
	1112	3.5	1.1		1212	4.4	1.3
	1812	1.4	0.4		1918	1.3	0.4
	2312	2.4	0.7		2354	2.9	0.9
2 Sa	0542	0.7	0.2	17 Su	0706	0.2	0.1
	1200	3.4	1.0		1324	4.1	1.3
	1854	1.4	0.4		2012	1.3	0.4
	2324	2.3	0.7				
3 Su	0624	0.6	0.2	18 M	0042	2.8	0.9
	1242	3.2	1.0		0800	0.1	0.0
	1936	1.3	0.4		1424	3.8	1.2
	2342	2.2	0.7		2100	1.3	0.4
4 M	0712	0.5	0.2	19 Tu	0136	2.8	0.8
	1318	3.0	0.9		0900	0.2	0.1
	2030	1.2	0.4		1518	3.4	1.0
					2154	1.2	0.4
5 Tu	0030	2.1	0.6	20 W	0242	2.6	0.8
	0800	0.5	0.1		1006	0.4	0.1
	1412	2.8	0.9		1624	3.0	0.9
	2118	1.1	0.3		2242	1.2	0.4
6 W	0124	2.1	0.6	21 Th	0406	2.6	0.8
	0906	0.4	0.1		1118	0.6	0.2
	1512	2.7	0.8		1724	2.7	0.8
	2212	1.0	0.3		2336	1.1	0.4
7 Th	0224	2.3	0.7	22 F	0536	2.6	0.8
	1012	0.3	0.1		1230	0.7	0.2
	1612	2.7	0.8		1830	2.5	0.8
	2300	0.9	0.3				
8 F	0324	2.6	0.8	23 Sa	0030	1.1	0.4
	1118	0.2	0.1		0642	2.8	0.8
	1718	2.7	0.8		1330	0.7	0.2
	2342	0.9	0.3		1930	2.5	0.8
9 Sa	0424	3.1	1.0	24 Su	0112	1.2	0.4
	1218	0.1	0.0		0730	3.0	0.9
	1812	2.7	0.8		1424	0.8	0.2
					2018	2.5	0.8
10 Su	0024	1.0	0.3	25 M	0148	1.2	0.4
	0518	3.7	1.1		0806	3.1	1.0
	1318	0.1	0.0		1512	0.8	0.3
	1900	2.7	0.8		2100	2.6	0.8
11 M	0112	1.1	0.3	26 Tu	0218	1.2	0.4
	0618	4.1	1.3		0830	3.3	1.0
	1418	0.2	0.1		1548	1.0	0.3
	1948	2.7	0.8		2130	2.6	0.8
12 Tu	0200	1.2	0.4	27 W	0248	1.2	0.4
	0712	4.5	1.4		0854	3.4	1.1
	1518	0.5	0.2		1624	1.1	0.4
	2036	2.7	0.8		2148	2.5	0.8
13 W	0254	1.1	0.4	28 Th	0324	1.1	0.3
	0818	4.6	1.4		0930	3.5	1.1
	1624	0.8	0.2		1642	1.3	0.4
	2124	2.8	0.8		2154	2.5	0.8
14 Th	0400	1.0	0.3	29 F	0400	0.9	0.3
	0936	4.6	1.4		1006	3.5	1.1
	1724	1.0	0.3		1712	1.3	0.4
	2212	2.8	0.9		2206	2.5	0.8
15 F	0500	0.7	0.2	30 Sa	0442	0.8	0.2
	1100	4.5	1.4		1048	3.4	1.1
	1824	1.2	0.4		1748	1.3	0.4
	2300	2.8	0.9		2218	2.4	0.7
				31 Su	0524	0.6	0.2
					1124	3.3	1.0
					1824	1.3	0.4
					2242	2.4	0.7

AUGUST

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 M	0606	0.5	0.2	16 Tu	0000	3.1	1.0
	1200	3.2	1.0		0742	0.4	0.1
	1906	1.2	0.4		1400	3.6	1.1
	2318	2.4	0.7		2018	1.4	0.4
2 Tu	0654	0.4	0.1	17 W	0106	3.0	0.9
	1242	3.1	0.9		0842	0.7	0.2
	1948	1.0	0.3		1500	3.1	1.0
					2106	1.4	0.4
3 W	0000	2.5	0.8	18 Th	0230	3.0	0.9
	0742	0.4	0.1		0954	0.9	0.3
	1324	2.9	0.9		1606	2.7	0.8
	2036	1.0	0.3		2148	1.4	0.4
4 Th	0006	2.5	0.8	19 F	0424	3.0	0.9
	0842	0.4	0.1		1118	1.0	0.3
	1424	2.8	0.8		1718	2.4	0.7
	2124	1.0	0.3		2236	1.4	0.4
5 F	0148	2.9	0.9	20 Sa	0536	3.1	1.0
	0942	0.3	0.1		1242	1.0	0.3
	1536	2.6	0.8		1824	2.3	0.7
	2206	1.1	0.3		2330	1.4	0.4
6 Sa	0248	3.3	1.0	21 Su	0630	3.3	1.0
	1054	0.3	0.1		1348	1.0	0.3
	1648	2.6	0.8		1924	2.3	0.7
	2254	1.2	0.4				
7 Su	0354	3.8	1.2	22 M	0024	1.5	0.5
	1200	0.2	0.1		0712	3.5	1.1
	1800	2.6	0.8		1436	0.9	0.3
	2342	1.3	0.4		2006	2.3	0.7
8 M	0500	4.2	1.3	23 Tu	0100	1.4	0.4
	1306	0.3	0.1		0742	3.6	1.1
	1854	2.6	0.8		1512	1.0	0.3
					2042	2.4	0.7
9 Tu	0006	1.4	0.4	24 W	0142	1.4	0.4
	0600	4.6	1.4		0806	3.7	1.1
	1406	0.4	0.1		1536	1.1	0.3
	1942	2.7	0.8		2100	2.4	0.7
10 W	0136	1.4	0.4	25 Th	0218	1.3	0.4
	0706	4.8	1.5		0830	3.7	1.1
	1512	0.6	0.2		1600	1.2	0.4
	2024	2.8	0.9		2106	2.5	0.8
11 Th	0242	1.2	0.4	26 F	0254	1.2	0.4
	0818	4.8	1.5		0900	3.7	1.1
	1606	0.9	0.3		1618	1.3	0.4
	2106	2.9	0.9		2112	2.5	0.8
12 F	0348	1.0	0.3	27 Sa	0336	1.1	0.3
	0930	4.8	1.5		0930	3.7	1.1
	1706	1.1	0.4		1642	1.3	0.4
	2148	3.0	0.9		2124	2.6	0.8
13 Sa	0448	0.7	0.2	28 Su	0418	1.0	0.3
	1042	4.6	1.4		1006	3.6	1.1
	1800	1.3	0.4		1718	1.3	0.4
	2224	3.1	0.9		2142	2.7	0.8
14 Su	0548	0.4	0.1	29 M	0500	0.9	0.3
	1154	4.4	1.3		1042	3.5	1.1
	1848	1.4	0.4		1754	1.2	0.4
	2312	3.1	1.0		2212	2.8	0.9
15 M	0642	0.3	0.1	30 Tu	0548	0.8	0.2
	1254	4.0	1.2		1112	3.4	1.1
	1936	1.4	0.4		1836	1.2	0.4
					2254	3.0	0.9
				31 W	0630	0.8	0.2
					1154	3.3	1.0
					1912	1.1	0.4
					2336	3.2	1.0

SEPTEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0718	0.8	0.2	16 F	0230	3.6	1.1
	1230	3.1	1.0		0948	1.5	0.5
	1954	1.2	0.4		1548	2.5	0.8
					2012	1.7	0.5
2 F	0030	3.5	1.1	17 Sa	0400	3.7	1.1
	0818	0.8	0.2		1130	1.5	0.5
	1324	2.9	0.9		1654	2.3	0.7
	2030	1.3	0.4		2042	1.7	0.5
3 Sa	0124	3.7	1.1	18 Su	0506	3.8	1.2
	0930	0.8	0.2		1254	1.3	0.4
	1448	2.7	0.8		1806	2.2	0.7
	2112	1.5	0.5		2142	1.8	0.5
4 Su	0224	4.1	1.2	19 M	0554	3.9	1.2
	1042	0.7	0.2		1348	1.1	0.4
	1636	2.6	0.8		1900	2.2	0.7
	2200	1.6	0.5		2306	1.8	0.6
5 M	0336	4.4	1.3	20 Tu	0630	3.9	1.2
	1154	0.7	0.2		1430	1.1	0.3
	1748	2.7	0.8		1948	2.3	0.7
	2312	1.7	0.5				
6 Tu	0448	4.7	1.4	21 W	0012	1.7	0.5
	1300	0.6	0.2		0700	3.9	1.2
	1842	2.8	0.9		1454	1.1	0.4
					2018	2.4	0.7
7 W	0024	1.7	0.5	22 Th	0106	1.6	0.5
	0554	4.9	1.5		0724	3.9	1.2
	1400	0.7	0.2		1500	1.2	0.4
	1930	3.0	0.9		2030	2.5	0.8
8 Th	0136	1.5	0.5	23 F	0154	1.5	0.5
	0700	5.0	1.5		0754	3.9	1.2
	1454	0.9	0.3		1518	1.3	0.4
	2006	3.1	1.0		2030	2.6	0.8
9 F	0236	1.3	0.4	24 Sa	0236	1.4	0.4
	0806	5.0	1.5		0824	3.8	1.2
	1548	1.1	0.3		1536	1.3	0.4
	2036	3.3	1.0		2030	2.8	0.8
10 Sa	0336	1.0	0.3	25 Su	0312	1.3	0.4
	0906	4.8	1.5		0854	3.8	1.2
	1636	1.3	0.4		1606	1.3	0.4
	2112	3.4	1.1		2048	3.0	0.9
11 Su	0430	0.8	0.2	26 M	0400	1.2	0.4
	1012	4.6	1.4		0924	3.8	1.2
	1724	1.5	0.5		1642	1.3	0.4
	2148	3.5	1.1		2112	3.2	1.0
12 M	0530	0.7	0.2	27 Tu	0442	1.2	0.4
	1118	4.2	1.3		0954	3.8	1.2
	1806	1.7	0.5		1718	1.3	0.4
	2236	3.6	1.1		2148	3.5	1.1
13 Tu	0624	0.8	0.2	28 W	0524	1.2	0.4
	1224	3.8	1.2		1030	3.7	1.1
	1848	1.7	0.5		1754	1.3	0.4
	2324	3.6	1.1		2230	3.7	1.1
14 W	0724	1.0	0.3	29 Th	0612	1.2	0.4
	1330	3.4	1.0		1106	3.5	1.1
	1924	1.7	0.5		1836	1.4	0.4
					2318	4.0	1.2
15 Th	0024	3.6	1.1	30 F	0706	1.2	0.4
	0830	1.3	0.4		1148	3.3	1.0
	1436	2.9	0.9		1906	1.5	0.5
	1948	1.7	0.5				

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0012	4.2	1.3	16	0300	4.1	1.2
Sa	0806	1.3	0.4	Su	1136	1.8	0.5
	1248	3.1	0.9		1624	2.2	0.7
	1948	1.6	0.5		1948	1.8	0.5
2	0112	4.4	1.3	17	0406	4.1	1.2
Su	0918	1.3	0.4	M	1248	1.5	0.5
	1430	2.8	0.9		1724	2.1	0.7
	2036	1.8	0.6		2042	1.8	0.6
3	0218	4.5	1.4	18	0500	4.0	1.2
M	1036	1.2	0.4	Tu	1336	1.4	0.4
	1630	2.8	0.9		1830	2.2	0.7
	2200	1.9	0.6		2212	1.9	0.6
4	0336	4.7	1.4	19	0542	3.9	1.2
Tu	1148	1.1	0.3	W	1354	1.3	0.4
	1736	3.0	0.9		1918	2.3	0.7
	2318	1.9	0.6		2336	1.8	0.6
5	0448	4.8	1.5	20	0618	3.9	1.2
W	1248	1.0	0.3	Th	1406	1.3	0.4
	1824	3.1	1.0		1936	2.4	0.7
6	0030	1.7	0.5	21	0042	1.6	0.5
Th	0554	4.9	1.5	F	0648	3.8	1.2
	1342	1.0	0.3		1412	1.3	0.4
	1900	3.4	1.0		1936	2.5	0.8
7	0130	1.4	0.4	22	0130	1.5	0.5
F	0654	4.9	1.5	Sa	0724	3.8	1.2
	1430	1.1	0.3		1424	1.2	0.4
	1930	3.5	1.1		1936	2.8	0.9
8	0224	1.1	0.4	23	0212	1.4	0.4
Sa	0754	4.8	1.5	Su	0748	3.8	1.2
	1518	1.3	0.4		1454	1.2	0.4
	2000	3.7	1.1		1948	3.1	0.9
9	0318	1.0	0.3	24	0254	1.3	0.4
Su	0848	4.6	1.4	M	0818	3.8	1.2
	1600	1.6	0.5		1524	1.2	0.4
	2036	3.9	1.2		2012	3.4	1.1
10	0412	1.0	0.3	25	0336	1.3	0.4
M	0948	4.3	1.3	Tu	0848	3.9	1.2
	1642	1.8	0.6		1600	1.3	0.4
	2112	4.0	1.2		2042	3.8	1.2
11	0506	1.0	0.3	26	0418	1.3	0.4
Tu	1054	4.0	1.2	W	0918	3.8	1.2
	1724	1.9	0.6		1642	1.3	0.4
	2200	4.0	1.2		2124	4.1	1.3
12	0600	1.2	0.4	27	0506	1.4	0.4
W	1154	3.6	1.1	Th	0954	3.8	1.2
	1754	2.0	0.6		1718	1.4	0.4
	2254	4.0	1.2		2212	4.4	1.3
13	0700	1.5	0.5	28	0600	1.6	0.5
Th	1306	3.2	1.0	F	1030	3.6	1.1
	1818	2.0	0.6		1800	1.5	0.5
					2306	4.5	1.4
14	0006	4.0	1.2	29	0700	1.7	0.5
F	0812	1.7	0.5	Sa	1124	3.4	1.0
	1412	2.8	0.9		1842	1.6	0.5
	1842	1.9	0.6				
15	0136	4.1	1.2	30	0000	4.6	1.4
Sa	0942	1.9	0.6	Su	0806	1.8	0.6
	1518	2.5	0.8		1224	3.1	1.0
	1906	1.8	0.6		1936	1.7	0.5
				31	0118	4.6	1.4
				M	0924	1.7	0.5
					1430	3.0	0.9
					2048	1.8	0.5

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0236	4.6	1.4	16	0406	3.9	1.2
Tu	1036	1.6	0.5	W	1312	1.7	0.5
	1606	3.0	0.9		1712	1.9	0.6
	2212	1.7	0.5		2136	1.6	0.5
2	0354	4.6	1.4	17	0500	3.7	1.1
W	1136	1.4	0.4	Th	1306	1.5	0.5
	1706	3.1	1.0		1806	2.0	0.6
	2324	1.5	0.5		2300	1.6	0.5
3	0500	4.6	1.4	18	0542	3.6	1.1
Th	1230	1.2	0.4	F	1300	1.4	0.4
	1748	3.3	1.0		1818	2.2	0.7
4	0024	1.3	0.4	19	0006	1.4	0.4
F	0554	4.6	1.4	Sa	0618	3.6	1.1
	1318	1.2	0.4		1312	1.2	0.4
	1824	3.5	1.1		1830	2.6	0.8
5	0118	1.1	0.3	20	0100	1.3	0.4
Sa	0648	4.6	1.4	Su	0648	3.7	1.1
	1406	1.3	0.4		1342	1.1	0.4
	1854	3.7	1.1		1848	3.0	0.9
6	0212	1.0	0.3	21	0142	1.2	0.4
Su	0742	4.4	1.4	M	0718	3.7	1.1
	1448	1.5	0.5		1412	1.1	0.3
	1924	3.8	1.2		1912	3.4	1.1
7	0300	1.0	0.3	22	0224	1.2	0.4
M	0836	4.3	1.3	Tu	0748	3.8	1.2
	1524	1.7	0.5		1448	1.2	0.4
	2006	4.0	1.2		1942	3.9	1.2
8	0348	1.1	0.3	23	0312	1.3	0.4
Tu	0930	4.0	1.2	W	0812	3.8	1.2
	1606	1.9	0.6		1524	1.2	0.4
	2048	4.1	1.2		2024	4.3	1.3
9	0442	1.3	0.4	24	0400	1.5	0.5
W	1036	3.8	1.2	Th	0842	3.8	1.2
	1636	2.0	0.6		1606	1.3	0.4
	2142	4.2	1.3		2112	4.6	1.4
10	0536	1.5	0.5	25	0454	1.7	0.5
Th	1124	3.5	1.1	F	0918	3.7	1.1
	1700	2.0	0.6		1648	1.4	0.4
	2236	4.2	1.3		2206	4.7	1.4
11	0636	1.8	0.6	26	0554	2.0	0.6
F	1218	3.1	1.0	Sa	1006	3.5	1.1
	1730	1.9	0.6		1736	1.4	0.4
	2348	4.3	1.3		2312	4.8	1.5
12	0742	2.0	0.6	27	0706	2.1	0.7
Sa	1300	2.8	0.9	Su	1100	3.3	1.0
	1800	1.7	0.5		1836	1.4	0.4
13	0100	4.3	1.3	28	0030	4.7	1.4
Su	0912	2.2	0.7	M	0818	2.1	0.7
	1342	2.5	0.8		1206	3.1	1.0
	1836	1.6	0.5		1942	1.3	0.4
14	0206	4.2	1.3	29	0154	4.7	1.4
M	1112	2.1	0.6	Tu	0924	2.0	0.6
	1436	2.2	0.7		1342	3.0	0.9
	1918	1.6	0.5		2054	1.3	0.4
15	0312	4.0	1.2	30	0306	4.6	1.4
Tu	1242	1.9	0.6	W	1024	1.8	0.6
	1554	2.0	0.6		1518	3.0	0.9
	2012	1.6	0.5		2206	1.2	0.4

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1	0406	4.5	1.4	16	0412	3.7	1.1
Th	1124	1.6	0.5	F	1124	1.7	0.5
	1624	3.1	0.9		1518	1.9	0.6
	2306	1.1	0.3		2218	1.3	0.4
2	0500	4.4	1.4	17	0500	3.6	1.1
F	1212	1.4	0.4	Sa	1154	1.4	0.4
	1718	3.2	1.0		1636	2.2	0.7
					2324	1.2	0.4
3	0006	1.0	0.3	18	0542	3.6	1.1
Sa	0554	4.3	1.3	Su	1230	1.2	0.4
	1300	1.3	0.4		1724	2.7	0.8
	1800	3.3	1.0				
4	0100	1.0	0.3	19	0018	1.2	0.4
Su	0648	4.2	1.3	M	0618	3.7	1.1
	1342	1.4	0.4		1300	1.1	0.3
	1842	3.4	1.1		1800	3.2	1.0
5	0154	1.1	0.3	20	0112	1.2	0.4
M	0736	4.1	1.3	Tu	0648	3.7	1.1
	1424	1.5	0.5		1336	1.1	0.3
	1918	3.6	1.1		1842	3.8	1.2
6	0242	1.2	0.4	21	0200	1.3	0.4
Tu	0830	4.0	1.2	W	0712	3.8	1.2
	1500	1.7	0.5		1412	1.2	0.4
	2000	3.8	1.2		1924	4.4	1.3
7	0336	1.4	0.4	22	0254	1.5	0.5
W	0918	3.8	1.2	Th	0742	3.8	1.2
	1536	1.8	0.5		1454	1.2	0.4
	2048	4.0	1.2		2012	4.7	1.4
8	0424	1.7	0.5	23	0348	1.8	0.6
Th	1000	3.7	1.1	F	0818	3.7	1.1
	1600	1.8	0.5		1536	1.2	0.4
	2142	4.2	1.3		2112	5.0	1.5
9	0518	1.9	0.6	24	0454	2.2	0.7
F	1030	3.4	1.0	Sa	0854	3.6	1.1
	1630	1.7	0.5		1630	1.1	0.4
	2242	4.3	1.3		2224	5.1	1.5
10	0612	2.2	0.7	25	0600	2.4	0.7
Sa	1100	3.1	1.0	Su	0942	3.5	1.1
	1700	1.5	0.5		1730	1.0	0.3
	2342	4.4	1.3		2348	5.1	1.6
11	0712	2.4	0.7	26	0712	2.5	0.8
Su	1112	2.9	0.9	M	1030	3.4	1.0
	1730	1.3	0.4		1830	0.9	0.3
12	0036	4.3	1.3	27	0106	5.1	1.6
M	0818	2.5	0.8	Tu	0812	2.4	0.7
	1124	2.6	0.8		1136	3.2	1.0
	1812	1.2	0.4		1936	0.9	0.3
13	0130	4.2	1.3	28	0212	5.0	1.5
Tu	0824	2.3	0.7	W	0912	2.2	0.7
	1100	2.4	0.7		1248	3.1	0.9
	1854	1.1	0.4		2036	0.9	0.3
14	0224	4.0	1.2	29	0306	4.8	1.5
W	0918	2.1	0.6	Th	1012	1.9	0.6
	1212	2.1	0.7		1406	2.9	0.9
	1936	1.2	0.4		2142	1.0	0.3
15	0324	3.8	1.2	30	0406	4.6	1.4
Th	1018	2.0	0.6	F	1100	1.7	0.5
	1324	2.1	0.6		1542	2.9	0.9
	2054	1.3	0.4		2242	1.1	0.4
				31	0454	4.4	1.3
				Sa	1154	1.5	0.5
					1706	3.0	0.9
					2348	1.3	0.4

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height (ft)	Height (m)
1 Sa	0054	5.2	1.6
	0618	12.8	3.9
	1342	2.0	0.6
	1930	12.2	3.7
2 Su	0148	4.8	1.5
	0712	12.9	3.9
	1430	1.6	0.5
	2018	12.4	3.8
3 M	0242	4.3	1.3
	0806	13.0	4.0
	1518	1.3	0.4
	2106	12.7	3.9
4 Tu	0336	3.7	1.1
	0900	13.0	4.0
	1606	1.1	0.4
	2200	13.0	4.0
5 W	0424	3.0	0.9
	1000	13.0	4.0
	1654	1.1	0.3
	2254	13.3	4.1
6 Th	0518	2.5	0.8
	1106	12.9	3.9
	1742	1.3	0.4
	2348	13.5	4.1
7 F	0612	2.0	0.6
	1212	12.9	3.9
	1830	1.8	0.5
8 Sa	0042	13.6	4.2
	0706	1.9	0.6
	1318	12.8	3.9
	1924	2.4	0.7
9 Su	0136	13.5	4.1
	0806	1.9	0.6
	1418	12.7	3.9
	2024	3.1	1.0
10 M	0236	13.4	4.1
	0912	2.0	0.6
	1530	12.6	3.8
	2130	3.7	1.1
11 Tu	0342	13.3	4.0
	1018	2.1	0.6
	1636	12.7	3.9
	2236	4.1	1.3
12 W	0454	13.3	4.0
	1118	2.0	0.6
	1736	12.8	3.9
	2336	4.3	1.3
13 Th	0554	13.3	4.1
	1212	1.9	0.6
	1836	12.9	3.9
14 F	0030	4.4	1.4
	0648	13.3	4.1
	1306	1.9	0.6
	1930	13.0	4.0
15 Sa	0118	4.5	1.4
	0736	13.2	4.0
	1348	2.0	0.6
	2012	13.0	4.0
16 Su	0206	4.6	1.4
	0824	12.9	3.9
	1436	2.1	0.6
	2100	12.9	3.9
17 M	0248	4.5	1.4
	0900	12.7	3.9
	1512	2.2	0.7
	2136	12.8	3.9
18 Tu	0324	4.3	1.3
	0936	12.5	3.8
	1548	2.2	0.7
	2206	12.8	3.9
19 W	0400	3.9	1.2
	1000	12.4	3.8
	1618	2.2	0.7
	2230	12.8	3.9
20 Th	0436	3.3	1.0
	1024	12.4	3.8
	1654	2.2	0.7
	2248	13.0	4.0
21 F	0512	2.7	0.8
	1100	12.5	3.8
	1724	2.2	0.7
	2318	13.1	4.0
22 Sa	0548	2.2	0.7
	1142	12.6	3.8
	1806	2.5	0.8
	2354	13.2	4.0
23 Su	0636	1.9	0.6
	1230	12.5	3.8
	1848	2.9	0.9
24 M	0036	13.2	4.0
	0718	1.9	0.6
	1318	12.3	3.8
	1930	3.5	1.1
25 Tu	0118	13.1	4.0
	0812	2.2	0.7
	1418	12.1	3.7
	2018	4.3	1.3
26 W	0212	12.9	3.9
	0912	2.4	0.7
	1518	11.9	3.6
	2118	4.9	1.5
27 Th	0306	12.8	3.9
	1018	2.6	0.8
	1624	11.8	3.6
	2224	5.4	1.7
28 F	0400	12.7	3.9
	1118	2.6	0.8
	1724	11.9	3.6
	2324	5.6	1.7
29 Sa	0506	12.8	3.9
	1218	2.5	0.8
	1818	12.2	3.7
30 Su	0030	5.5	1.7
	0600	12.9	3.9
	1312	2.3	0.7
	1912	12.4	3.8
31 M	0130	5.1	1.6
	0700	12.9	3.9
	1406	2.2	0.7
	2000	12.8	3.9

FEBRUARY

Day	Time	Height (ft)	Height (m)
1 Tu	0224	4.5	1.4
	0754	12.9	3.9
	1500	2.0	0.6
	2054	13.1	4.0
2 W	0318	3.7	1.1
	0854	12.9	3.9
	1548	1.9	0.6
	2142	13.4	4.1
3 Th	0412	2.8	0.9
	1000	12.9	3.9
	1636	1.8	0.5
	2236	13.6	4.2
4 F	0506	2.0	0.6
	1100	13.0	4.0
	1724	1.8	0.5
	2324	13.8	4.2
5 Sa	0554	1.4	0.4
	1200	13.0	4.0
	1812	2.0	0.6
6 Su	0018	13.9	4.2
	0648	1.1	0.4
	1300	12.9	3.9
	1900	2.4	0.7
7 M	0112	13.8	4.2
	0742	1.1	0.4
	1354	12.8	3.9
	1954	2.9	0.9
8 Tu	0212	13.6	4.2
	0842	1.3	0.4
	1500	12.7	3.9
	2054	3.5	1.1
9 W	0312	13.5	4.1
	0942	1.6	0.5
	1600	12.7	3.9
	2154	4.0	1.2
10 Th	0418	13.4	4.1
	1042	1.8	0.5
	1700	12.9	3.9
	2300	4.4	1.3
11 F	0518	13.4	4.1
	1142	1.9	0.6
	1800	13.0	4.0
12 Sa	0000	4.6	1.4
	0612	13.4	4.1
	1230	2.1	0.6
	1854	13.2	4.0
13 Su	0048	4.8	1.5
	0706	13.3	4.0
	1324	2.3	0.7
	1942	13.2	4.0
14 M	0136	4.8	1.5
	0748	13.0	4.0
	1406	2.6	0.8
	2030	13.1	4.0
15 Tu	0224	4.7	1.4
	0830	12.7	3.9
	1442	2.8	0.9
	2106	13.0	4.0
16 W	0306	4.4	1.3
	0906	12.4	3.8
	1518	3.0	0.9
	2130	12.8	3.9
17 Th	0336	3.9	1.2
	0924	12.2	3.7
	1554	3.0	0.9
	2142	12.7	3.9
18 F	0412	3.1	1.0
	0948	12.2	3.7
	1624	2.9	0.9
	2200	12.8	3.9
19 Sa	0448	2.4	0.7
	1024	12.3	3.7
	1700	2.8	0.8
	2230	13.0	4.0
20 Su	0530	1.7	0.5
	1106	12.3	3.8
	1736	2.8	0.8
	2312	13.2	4.0
21 M	0612	1.4	0.4
	1154	12.2	3.7
	1818	3.0	0.9
	2354	13.2	4.0
22 Tu	0654	1.3	0.4
	1248	12.1	3.7
	1900	3.5	1.1
23 W	0042	13.2	4.0
	0748	1.6	0.5
	1342	11.8	3.6
	1954	4.2	1.3
24 Th	0136	13.0	4.0
	0842	2.0	0.6
	1448	11.6	3.5
	2048	4.9	1.5
25 F	0230	12.8	3.9
	0948	2.4	0.7
	1600	11.6	3.6
	2154	5.5	1.7
26 Sa	0336	12.6	3.8
	1054	2.7	0.8
	1706	11.9	3.6
	2306	5.7	1.7
27 Su	0448	12.6	3.8
	1154	2.8	0.9
	1806	12.3	3.8
28 M	0012	5.5	1.7
	0554	12.7	3.9
	1254	2.8	0.9
	1854	12.7	3.9

MARCH

Day	Time	Height (ft)	Height (m)
1 Tu	0112	5.0	1.5
	0654	12.7	3.9
	1348	2.8	0.9
	1942	13.1	4.0
2 W	0212	4.2	1.3
	0754	12.7	3.9
	1436	2.7	0.8
	2036	13.3	4.1
3 Th	0306	3.3	1.0
	0854	12.7	3.9
	1530	2.6	0.8
	2124	13.5	4.1
4 F	0400	2.3	0.7
	0954	12.8	3.9
	1612	2.3	0.7
	2212	13.7	4.2
5 Sa	0448	1.5	0.5
	1054	12.9	3.9
	1700	2.1	0.7
	2306	13.8	4.2
6 Su	0536	0.9	0.3
	1142	12.9	3.9
	1748	2.1	0.6
	2354	13.8	4.2
7 M	0624	0.6	0.2
	1236	12.9	3.9
	1830	2.3	0.7
8 Tu	0048	13.8	4.2
	0712	0.6	0.2
	1330	12.8	3.9
	1924	2.7	0.8
9 W	0142	13.6	4.2
	0806	0.9	0.3
	1424	12.7	3.9
	2018	3.3	1.0
10 Th	0242	13.5	4.1
	0906	1.3	0.4
	1524	12.8	3.9
	2118	3.9	1.2
11 F	0342	13.4	4.1
	1006	1.7	0.5
	1624	12.9	3.9
	2218	4.4	1.4
12 Sa	0442	13.3	4.1
	1100	2.1	0.6
	1718	13.2	4.0
	2324	4.7	1.4
13 Su	0536	13.3	4.0
	1200	2.4	0.7
	1812	13.4	4.1
14 M	0018	4.8	1.5
	0630	13.2	4.0
	1248	2.8	0.8
	1906	13.4	4.1
15 Tu	0112	4.7	1.4
	0718	12.9	3.9
	1330	3.1	1.0
	1948	13.3	4.1
16 W	0200	4.4	1.4
	0800	12.6	3.9
	1412	3.4	1.0
	2024	13.0	4.0
17 Th	0242	4.0	1.2
	0830	12.3	3.8
	1448	3.6	1.1
	2030	12.7	3.9
18 F	0318	3.4	1.0
	0848	12.1	3.7
	1524	3.5	1.1
	2042	12.7	3.9
19 Sa	0348	2.6	0.8
	0918	12.0	3.7
	1554	3.3	1.0
	2112	12.8	3.9
20 Su	0430	1.8	0.6
	0954	12.0	3.7
	1630	3.1	1.0
	2148	13.0	4.0
21 M	0506	1.2	0.4
	1042	12.0	3.7
	1712	3.0	0.9
	2230	13.2	4.0
22 Tu	0548	0.8	0.3
	1130	11.9	3.6
	1748	3.1	0.9
	2318	13.3	4.0
23 W	0636	0.8	0.2
	1224	11.8	3.6
	1836	3.5	1.1
24 Th	0006	13.1	4.0
	0724	1.1	0.4
	1318	11.6	3.5
	1930	4.1	1.3
25 F	0106	12.9	3.9
	0818	1.7	0.5
	1424	11.5	3.5
	2030	4.9	1.5
26 Sa	0212	12.5	3.8
	0924	2.4	0.7
	1536	11.7	3.6
	2136	5.4	1.6
27 Su	0324	12.3	3.7
	1030	3.0	0.9
	1648	12.0	3.7
	2248	5.5	1.7
28 M	0442	12.2	3.7
	1130	3.3	1.0
	1748	12.5	3.8
29 Tu	0000	5.1	1.6
	0554	12.3	3.8
	1230	3.4	1.0
	1842	13.0	4.0
30 W	0106	4.4	1.3
	0700	12.5	3.8
	1330	3.4	1.1
	1930	13.3	4.0
31 Th	0206	3.5	1.1
	0800	12.5	3.8
	1418	3.3	1.0
	2018	13.4	4.1

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m
1 F	0254	2.6	0.8
	0900	12.6	3.8
	1512	3.1	0.9
	2112	13.5	4.1
2 Sa	0342	1.7	0.5
	0954	12.6	3.8
	1554	2.8	0.8
	2154	13.5	4.1
3 Su	0430	1.0	0.3
	1036	12.6	3.9
	1636	2.5	0.8
	2242	13.6	4.2
4 M	0512	0.5	0.2
	1124	12.7	3.9
	1718	2.3	0.7
	2330	13.6	4.2
5 Tu	0600	0.2	0.1
	1212	12.7	3.9
	1800	2.4	0.7
6 W	0018	13.6	4.2
	0642	0.3	0.1
	1300	12.7	3.9
	1848	2.7	0.8
7 Th	0106	13.5	4.1
	0730	0.7	0.2
	1354	12.8	3.9
	1936	3.2	1.0
8 F	0200	13.3	4.1
	0824	1.2	0.4
	1448	12.9	3.9
	2036	3.9	1.2
9 Sa	0300	13.2	4.0
	0918	1.9	0.6
	1548	13.1	4.0
	2136	4.4	1.4
10 Su	0400	13.0	4.0
	1018	2.4	0.7
	1642	13.3	4.1
	2242	4.7	1.4
11 M	0454	13.0	4.0
	1118	3.0	0.9
	1736	13.5	4.1
	2348	4.6	1.4
12 Tu	0554	12.9	3.9
	1206	3.3	1.0
	1824	13.5	4.1
13 W	0042	4.3	1.3
	0642	12.8	3.9
	1254	3.7	1.1
	1900	13.3	4.0
14 Th	0130	3.9	1.2
	0724	12.5	3.8
	1336	4.0	1.2
	1924	13.0	4.0
15 F	0212	3.3	1.0
	0800	12.2	3.7
	1418	4.1	1.2
	1942	12.8	3.9
16 Sa	0248	2.7	0.8
	0818	12.0	3.7
	1454	4.0	1.2
	2006	12.8	3.9
17 Su	0330	2.0	0.6
	0854	11.9	3.6
	1530	3.7	1.1
	2036	12.9	3.9
18 M	0406	1.3	0.4
	0930	11.8	3.6
	1606	3.4	1.0
	2112	13.1	4.0
19 Tu	0448	0.7	0.2
	1018	11.8	3.6
	1648	3.2	1.0
	2200	13.3	4.0
20 W	0530	0.4	0.1
	1106	11.8	3.6
	1730	3.2	1.0
	2248	13.3	4.0
21 Th	0612	0.5	0.1
	1206	11.7	3.6
	1818	3.5	1.1
	2348	13.0	4.0
22 F	0706	0.9	0.3
	1300	11.7	3.6
	1912	4.1	1.2
23 Sa	0048	12.6	3.9
	0800	1.7	0.5
	1406	11.8	3.6
	2012	4.7	1.4
24 Su	0200	12.2	3.7
	0900	2.6	0.8
	1512	12.0	3.7
	2124	5.0	1.5
25 M	0318	11.9	3.6
	1006	3.3	1.0
	1624	12.3	3.8
	2242	4.9	1.5
26 Tu	0442	11.9	3.6
	1112	3.7	1.1
	1730	12.8	3.9
	2354	4.4	1.3
27 W	0600	12.1	3.7
	1218	3.9	1.2
	1830	13.1	4.0
28 Th	0100	3.5	1.1
	0712	12.3	3.8
	1312	3.9	1.2
	1924	13.4	4.1
29 F	0154	2.7	0.8
	0806	12.4	3.8
	1406	3.7	1.1
	2012	13.4	4.1
30 Sa	0242	2.0	0.6
	0854	12.5	3.8
	1448	3.4	1.1
	2100	13.4	4.1

MAY

Day	Time h m	Height ft	Height m
1 Su	0324	1.3	0.4
	0942	12.4	3.8
	1530	3.2	1.0
	2142	13.4	4.1
2 M	0406	0.8	0.2
	1018	12.4	3.8
	1612	2.9	0.9
	2218	13.4	4.1
3 Tu	0448	0.4	0.1
	1100	12.5	3.8
	1654	2.7	0.8
	2300	13.4	4.1
4 W	0530	0.2	0.1
	1142	12.6	3.8
	1730	2.7	0.8
	2342	13.4	4.1
5 Th	0612	0.3	0.1
	1230	12.7	3.9
	1812	2.9	0.9
6 F	0030	13.3	4.1
	0654	0.6	0.2
	1318	12.9	3.9
	1900	3.2	1.0
7 Sa	0118	13.1	4.0
	0736	1.2	0.4
	1406	13.0	4.0
	1948	3.7	1.1
8 Su	0212	12.9	3.9
	0830	2.0	0.6
	1500	13.2	4.0
	2054	4.2	1.3
9 M	0312	12.7	3.9
	0924	2.8	0.9
	1554	13.3	4.0
	2200	4.4	1.3
10 Tu	0412	12.6	3.8
	1024	3.4	1.1
	1648	13.3	4.1
	2306	4.2	1.3
11 W	0512	12.5	3.8
	1124	3.9	1.2
	1736	13.3	4.0
12 Th	0006	3.8	1.2
	0606	12.4	3.8
	1212	4.2	1.3
	1812	13.1	4.0
13 F	0054	3.3	1.0
	0654	12.3	3.8
	1300	4.4	1.4
	1836	13.0	4.0
14 Sa	0142	2.7	0.8
	0724	12.1	3.7
	1342	4.4	1.4
	1900	12.9	3.9
15 Su	0224	2.1	0.6
	0754	11.8	3.6
	1418	4.3	1.3
	1936	13.0	4.0
16 M	0300	1.5	0.5
	0830	11.7	3.6
	1500	4.0	1.2
	2012	13.1	4.0
17 Tu	0342	0.9	0.3
	0912	11.7	3.6
	1542	3.7	1.1
	2054	13.3	4.1
18 W	0424	0.4	0.1
	1000	11.8	3.6
	1624	3.4	1.1
	2142	13.3	4.1
19 Th	0506	0.2	0.1
	1054	11.9	3.6
	1712	3.3	1.0
	2236	13.2	4.0
20 F	0554	0.3	0.1
	1148	12.0	3.7
	1806	3.4	1.1
	2330	12.9	3.9
21 Sa	0642	0.9	0.3
	1248	12.2	3.7
	1900	3.7	1.1
22 Su	0042	12.4	3.8
	0736	1.7	0.5
	1348	12.3	3.7
	2000	4.1	1.3
23 M	0154	11.9	3.6
	0836	2.7	0.8
	1454	12.4	3.8
	2112	4.3	1.3
24 Tu	0318	11.6	3.6
	0942	3.5	1.1
	1606	12.6	3.9
	2230	4.0	1.2
25 W	0442	11.7	3.6
	1048	3.9	1.2
	1712	12.9	3.9
	2342	3.4	1.0
26 Th	0600	11.9	3.6
	1154	4.1	1.3
	1818	13.3	4.0
27 F	0042	2.7	0.8
	0706	12.2	3.7
	1254	4.0	1.2
	1918	13.5	4.1
28 Sa	0136	2.0	0.6
	0754	12.3	3.8
	1342	3.9	1.2
	2000	13.5	4.1
29 Su	0224	1.5	0.5
	0842	12.3	3.8
	1430	3.7	1.1
	2042	13.4	4.1
30 M	0306	1.1	0.3
	0924	12.3	3.7
	1512	3.6	1.1
	2124	13.3	4.1
31 Tu	0348	0.8	0.2
	1000	12.3	3.7
	1548	3.4	1.0
	2200	13.2	4.0

JUNE

Day	Time h m	Height ft	Height m
1 W	0424	0.5	0.2
	1042	12.4	3.8
	1624	3.2	1.0
	2236	13.2	4.0
2 Th	0500	0.4	0.1
	1118	12.6	3.8
	1706	3.1	0.9
	2312	13.1	4.0
3 F	0536	0.5	0.1
	1200	12.8	3.9
	1742	3.0	0.9
	2348	13.1	4.0
4 Sa	0618	0.7	0.2
	1242	13.0	4.0
	1824	3.1	1.0
5 Su	0036	12.9	3.9
	0654	1.3	0.4
	1324	13.1	4.0
	1912	3.3	1.0
6 M	0124	12.6	3.9
	0742	2.0	0.6
	1412	13.1	4.0
	2006	3.6	1.1
7 Tu	0224	12.4	3.8
	0830	2.9	0.9
	1500	13.0	4.0
	2112	3.8	1.2
8 W	0324	12.1	3.7
	0924	3.7	1.1
	1554	13.0	4.0
	2218	3.7	1.1
9 Th	0424	12.0	3.7
	1024	4.2	1.3
	1636	12.9	3.9
	2324	3.3	1.0
10 F	0524	11.9	3.6
	1124	4.6	1.4
	1718	12.9	3.9
11 Sa	0018	2.9	0.9
	0612	11.8	3.6
	1212	4.7	1.4
	1754	12.9	3.9
12 Su	0106	2.3	0.7
	0700	11.7	3.6
	1300	4.7	1.4
	1830	13.0	4.0
13 M	0154	1.7	0.5
	0736	11.6	3.6
	1348	4.6	1.4
	1912	13.2	4.0
14 Tu	0236	1.2	0.4
	0812	11.6	3.6
	1430	4.3	1.3
	1948	13.3	4.1
15 W	0318	0.7	0.2
	0900	11.7	3.6
	1518	3.9	1.2
	2036	13.4	4.1
16 Th	0406	0.4	0.1
	0948	11.9	3.6
	1606	3.5	1.1
	2130	13.3	4.1
17 F	0448	0.2	0.1
	1036	12.2	3.7
	1700	3.2	1.0
	2224	13.1	4.0
18 Sa	0536	0.4	0.1
	1130	12.5	3.8
	1754	3.1	0.9
	2324	12.7	3.9
19 Su	0624	0.9	0.3
	1224	12.7	3.9
	1848	3.1	0.9
20 M	0036	12.3	3.8
	0718	1.7	0.5
	1324	12.7	3.9
	1948	3.2	1.0
21 Tu	0148	11.8	3.6
	0812	2.6	0.8
	1430	12.8	3.9
	2100	3.2	1.0
22 W	0306	11.6	3.5
	0918	3.3	1.0
	1542	12.8	3.9
	2212	3.0	0.9
23 Th	0430	11.5	3.5
	1024	3.8	1.2
	1654	13.0	4.0
	2324	2.6	0.8
24 F	0542	11.8	3.6
	1130	4.0	1.2
	1800	13.3	4.1
25 Sa	0024	2.0	0.6
	0642	12.0	3.7
	1230	4.0	1.2
	1854	13.5	4.1
26 Su	0112	1.6	0.5
	0736	12.2	3.7
	1318	4.0	1.2
	1942	13.5	4.1
27 M	0200	1.3	0.4
	0824	12.2	3.7
	1406	4.0	1.2
	2030	13.4	4.1
28 Tu	0242	1.1	0.3
	0906	12.2	3.7
	1448	4.0	1.2
	2106	13.2	4.0
29 W	0324	1.0	0.3
	0942	12.2	3.7
	1530	3.8	1.2
	2142	13.0	4.0
30 Th	0400	0.9	0.3
	1024	12.3	3.8
	1606	3.6	1.1
	2212	12.9	3.9

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

PUERTO BELGRANO, ARGENTINA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time	Height (ft)	Height (m)
1 F	0436	0.8	0.2
	1054	12.5	3.8
	1642	3.3	1.0
	2236	12.8	3.9
2 Sa	0506	0.8	0.2
	1130	12.7	3.9
	1718	3.0	0.9
	2312	12.8	3.9
3 Su	0542	1.0	0.3
	1200	12.9	3.9
	1800	2.7	0.8
	2354	12.7	3.9
4 M	0618	1.3	0.4
	1236	13.0	4.0
	1842	2.7	0.8
5 Tu	0042	12.4	3.8
	0700	1.9	0.6
	1312	12.9	3.9
	1930	2.8	0.8
6 W	0136	12.1	3.7
	0742	2.6	0.8
	1400	12.8	3.9
	2024	2.9	0.9
7 Th	0230	11.7	3.6
	0836	3.4	1.1
	1448	12.7	3.9
	2130	3.0	0.9
8 F	0330	11.5	3.5
	0930	4.2	1.3
	1542	12.6	3.8
	2236	2.9	0.9
9 Sa	0436	11.3	3.5
	1030	4.7	1.4
	1630	12.7	3.9
	2336	2.6	0.8
10 Su	0536	11.3	3.4
	1130	4.9	1.5
	1718	12.8	3.9
11 M	0036	2.1	0.7
	0630	11.3	3.5
	1224	4.9	1.5
	1806	13.0	4.0
12 Tu	0124	1.7	0.5
	0712	11.5	3.5
	1318	4.8	1.5
	1848	13.2	4.0
13 W	0212	1.3	0.4
	0800	11.6	3.5
	1412	4.4	1.4
	1936	13.3	4.0
14 Th	0300	0.9	0.3
	0842	11.9	3.6
	1500	3.9	1.2
	2030	13.3	4.0
15 F	0342	0.6	0.2
	0930	12.2	3.7
	1554	3.3	1.0
	2118	13.2	4.0
16 Sa	0430	0.5	0.2
	1024	12.6	3.8
	1648	2.7	0.8
	2218	12.9	3.9
17 Su	0518	0.6	0.2
	1112	12.9	3.9
	1742	2.3	0.7
	2324	12.7	3.9
18 M	0606	0.9	0.3
	1206	13.0	4.0
	1836	2.0	0.6
19 Tu	0030	12.3	3.8
	0654	1.4	0.4
	1306	13.1	4.0
	1936	2.0	0.6
20 W	0136	11.9	3.6
	0748	2.2	0.7
	1406	13.0	4.0
	2036	2.1	0.6
21 Th	0248	11.6	3.5
	0848	2.9	0.9
	1518	12.9	3.9
	2148	2.1	0.6
22 F	0400	11.5	3.5
	0954	3.5	1.1
	1630	13.0	4.0
	2254	1.9	0.6
23 Sa	0512	11.6	3.5
	1100	3.8	1.2
	1730	13.3	4.0
	2354	1.7	0.5
24 Su	0612	11.8	3.6
	1200	4.0	1.2
	1830	13.4	4.1
25 M	0048	1.4	0.4
	0712	12.0	3.7
	1254	4.1	1.3
	1918	13.5	4.1
26 Tu	0136	1.3	0.4
	0800	12.2	3.7
	1342	4.2	1.3
	2006	13.3	4.1
27 W	0218	1.3	0.4
	0842	12.3	3.7
	1430	4.2	1.3
	2048	13.1	4.0
28 Th	0300	1.3	0.4
	0924	12.3	3.7
	1506	4.0	1.2
	2118	12.8	3.9
29 F	0336	1.4	0.4
	1000	12.3	3.8
	1542	3.7	1.1
	2148	12.6	3.8
30 Sa	0412	1.3	0.4
	1030	12.3	3.8
	1618	3.2	1.0
	2212	12.5	3.8
31 Su	0442	1.3	0.4
	1054	12.4	3.8
	1654	2.6	0.8
	2242	12.4	3.8

AUGUST

Day	Time	Height (ft)	Height (m)
1 M	0512	1.2	0.4
	1112	12.6	3.8
	1736	2.1	0.7
	2318	12.4	3.8
2 Tu	0548	1.3	0.4
	1148	12.7	3.9
	1812	1.8	0.6
3 W	0006	12.2	3.7
	0624	1.7	0.5
	1224	12.7	3.9
	1900	1.8	0.6
4 Th	0054	11.9	3.6
	0706	2.3	0.7
	1306	12.7	3.9
	1948	2.0	0.6
5 F	0142	11.5	3.5
	0754	3.0	0.9
	1354	12.5	3.8
	2048	2.3	0.7
6 Sa	0242	11.0	3.4
	0848	3.8	1.2
	1448	12.5	3.8
	2154	2.5	0.8
7 Su	0348	10.8	3.3
	0948	4.5	1.4
	1542	12.5	3.8
	2300	2.5	0.8
8 M	0500	10.8	3.3
	1048	5.0	1.5
	1648	12.6	3.8
9 Tu	0000	2.3	0.7
	0600	11.0	3.4
	1154	5.0	1.5
	1742	12.8	3.9
10 W	0054	2.0	0.6
	0648	11.4	3.5
	1254	4.8	1.5
	1836	12.9	3.9
11 Th	0148	1.7	0.5
	0736	11.7	3.6
	1354	4.3	1.3
	1930	13.0	4.0
12 F	0236	1.4	0.4
	0824	12.1	3.7
	1448	3.6	1.1
	2018	13.0	4.0
13 Sa	0324	1.1	0.4
	0912	12.4	3.8
	1542	2.8	0.8
	2118	12.9	3.9
14 Su	0412	0.9	0.3
	1006	12.8	3.9
	1636	2.0	0.6
	2218	12.8	3.9
15 M	0500	0.8	0.2
	1054	13.0	4.0
	1724	1.3	0.4
	2318	12.6	3.8
16 Tu	0542	0.9	0.3
	1148	13.2	4.0
	1818	1.0	0.3
17 W	0012	12.3	3.8
	0630	1.1	0.4
	1242	13.2	4.0
	1912	1.0	0.3
18 Th	0118	12.0	3.7
	0724	1.7	0.5
	1342	13.1	4.0
	2012	1.2	0.4
19 F	0218	11.7	3.6
	0818	2.4	0.7
	1448	13.0	4.0
	2118	1.4	0.4
20 Sa	0324	11.5	3.5
	0924	3.1	0.9
	1554	13.0	4.0
	2218	1.6	0.5
21 Su	0430	11.5	3.5
	1030	3.6	1.1
	1700	13.1	4.0
	2324	1.6	0.5
22 M	0536	11.7	3.6
	1130	3.9	1.2
	1754	13.3	4.0
23 Tu	0018	1.6	0.5
	0636	12.0	3.7
	1230	4.1	1.3
	1848	13.3	4.0
24 W	0106	1.7	0.5
	0730	12.2	3.7
	1318	4.2	1.3
	1936	13.2	4.0
25 Th	0154	1.8	0.6
	0818	12.3	3.8
	1406	4.1	1.2
	2024	12.9	3.9
26 F	0236	1.9	0.6
	0900	12.3	3.8
	1448	3.8	1.2
	2100	12.6	3.8
27 Sa	0312	2.0	0.6
	0936	12.1	3.7
	1524	3.4	1.0
	2130	12.3	3.8
28 Su	0348	2.0	0.6
	1000	12.0	3.7
	1600	2.8	0.9
	2148	12.2	3.7
29 M	0418	1.8	0.6
	1006	12.0	3.7
	1636	2.1	0.7
	2212	12.1	3.7
30 Tu	0448	1.6	0.5
	1024	12.2	3.7
	1712	1.5	0.5
	2248	12.1	3.7
31 W	0518	1.5	0.5
	1100	12.4	3.8
	1748	1.1	0.3
	2330	12.0	3.7

SEPTEMBER

Day	Time	Height (ft)	Height (m)
1 Th	0554	1.6	0.5
	1136	12.6	3.8
	1836	1.0	0.3
2 F	0018	11.7	3.6
	0636	2.0	0.6
	1224	12.6	3.9
	1918	1.2	0.4
3 Sa	0106	11.3	3.4
	0724	2.7	0.8
	1312	12.5	3.8
	2018	1.7	0.5
4 Su	0206	10.9	3.3
	0812	3.5	1.1
	1406	12.4	3.8
	2118	2.2	0.7
5 M	0312	10.6	3.2
	0912	4.4	1.3
	1512	12.3	3.7
	2224	2.6	0.8
6 Tu	0424	10.7	3.3
	1024	4.9	1.5
	1624	12.3	3.7
	2330	2.7	0.8
7 W	0530	11.0	3.4
	1130	5.0	1.5
	1730	12.4	3.8
8 Th	0030	2.6	0.8
	0624	11.4	3.5
	1236	4.6	1.4
	1830	12.5	3.8
9 F	0124	2.4	0.7
	0718	11.8	3.6
	1342	3.9	1.2
	1924	12.6	3.9
10 Sa	0218	2.2	0.7
	0806	12.2	3.7
	1436	3.1	0.9
	2018	12.7	3.9
11 Su	0306	1.8	0.6
	0900	12.5	3.8
	1530	2.1	0.6
	2118	12.7	3.9
12 M	0354	1.4	0.4
	0948	12.7	3.9
	1624	1.2	0.4
	2212	12.6	3.9
13 Tu	0436	1.1	0.3
	1042	13.0	4.0
	1712	0.6	0.2
	2306	12.6	3.8
14 W	0524	0.9	0.3
	1130	13.1	4.0
	1800	0.2	0.1
15 Th	0000	12.4	3.8
	0606	1.0	0.3
	1224	13.2	4.0
	1848	0.2	0.1
16 F	0054	12.2	3.7
	0654	1.3	0.4
	1318	13.1	4.0
	1942	0.6	0.2
17 Sa	0148	11.9	3.6
	0748	2.0	0.6
	1418	13.0	4.0
	2042	1.0	0.3
18 Su	0254	11.7	3.6
	0848	2.8	0.8
	1518	13.0	4.0
	2142	1.5	0.5
19 M	0354	11.7	3.6
	0948	3.4	1.1
	1618	13.0	4.0
	2242	1.9	0.6
20 Tu	0454	11.9	3.6
	1054	3.9	1.2
	1718	13.0	4.0
	2342	2.1	0.7
21 W	0554	12.2	3.7
	1200	4.0	1.2
	1818	13.1	4.0
22 Th	0036	2.3	0.7
	0648	12.4	3.8
	1254	4.0	1.2
	1906	13.0	4.0
23 F	0124	2.5	0.8
	0742	12.4	3.8
	1342	3.7	1.1
	1954	12.8	3.9
24 Sa	0206	2.7	0.8
	0830	12.2	3.7
	1424	3.4	1.0
	2036	12.5	3.8
25 Su	0248	2.8	0.8
	0906	11.9	3.6
	1506	2.9	0.9
	2112	12.2	3.7
26 M	0318	2.7	0.8
	0912	11.7	3.6
	1542	2.3	0.7
	2124	12.0	3.7
27 Tu	0348	2.5	0.8
	0912	11.7	3.6
	1612	1.6	0.5
	2148	11.9	3.6
28 W	0418	2.2	0.7
	0942	12.0	3.7
	1648	1.0	0.3
	2224	11.8	3.6
29 Th	0454	1.9	0.6
	1018	12.3	3.8
	1730	0.6	0.2
	2306	11.8	3.6
30 F	0530	1.8	0.6
	1100	12.6	3.8
	1812	0.5	0.2
	2348	11.6	3.5

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0612	2.1	0.6
	1148	12.7	3.9
	1854	0.8	0.3
2 Su	0042	11.3	3.5
	0700	2.7	0.8
	1242	12.6	3.8
	1948	1.4	0.4
3 M	0136	11.1	3.4
	0754	3.4	1.1
	1342	12.3	3.8
	2048	2.2	0.7
4 Tu	0242	10.9	3.3
	0854	4.2	1.3
	1448	12.1	3.7
	2154	2.9	0.9
5 W	0354	11.0	3.3
	1006	4.7	1.4
	1606	12.0	3.7
	2300	3.3	1.0
6 Th	0500	11.2	3.4
	1118	4.6	1.4
	1718	12.0	3.7
7 F	0006	3.4	1.0
	0600	11.6	3.5
	1230	4.1	1.3
	1824	12.2	3.7
8 Sa	0106	3.3	1.0
	0700	11.9	3.6
	1330	3.4	1.0
	1930	12.4	3.8
9 Su	0200	3.0	0.9
	0754	12.2	3.7
	1430	2.5	0.8
	2030	12.5	3.8
10 M	0248	2.6	0.8
	0848	12.4	3.8
	1518	1.6	0.5
	2118	12.5	3.8
11 Tu	0336	2.1	0.6
	0936	12.7	3.9
	1606	0.9	0.3
	2212	12.5	3.8
12 W	0418	1.6	0.5
	1024	12.9	3.9
	1654	0.3	0.1
	2254	12.5	3.8
13 Th	0500	1.3	0.4
	1112	13.1	4.0
	1736	0.0	0.0
	2342	12.5	3.8
14 F	0542	1.2	0.4
	1200	13.2	4.0
	1824	0.0	0.0
15 Sa	0030	12.4	3.8
	0630	1.4	0.4
	1248	13.2	4.0
	1912	0.4	0.1
16 Su	0118	12.4	3.8
	0712	1.9	0.6
	1342	13.1	4.0
	2000	1.0	0.3
17 M	0218	12.3	3.8
	0806	2.6	0.8
	1442	13.0	4.0
	2100	1.7	0.5
18 Tu	0312	12.3	3.8
	0912	3.3	1.0
	1542	12.9	3.9
	2200	2.3	0.7
19 W	0412	12.4	3.8
	1018	3.7	1.1
	1642	12.9	3.9
	2300	2.8	0.9
20 Th	0512	12.5	3.8
	1118	3.8	1.2
	1736	12.9	3.9
21 F	0000	3.1	1.0
	0606	12.5	3.8
	1218	3.7	1.1
	1836	12.9	3.9
22 Sa	0048	3.4	1.0
	0700	12.4	3.8
	1312	3.4	1.0
	1924	12.7	3.9
23 Su	0136	3.5	1.1
	0742	12.1	3.7
	1354	3.0	0.9
	2006	12.4	3.8
24 M	0218	3.6	1.1
	0806	11.8	3.6
	1436	2.5	0.8
	2042	12.1	3.7
25 Tu	0248	3.5	1.1
	0806	11.6	3.6
	1512	2.0	0.6
	2054	11.9	3.6
26 W	0324	3.2	1.0
	0830	11.8	3.6
	1548	1.4	0.4
	2118	11.8	3.6
27 Th	0354	2.8	0.9
	0906	12.1	3.7
	1630	0.8	0.3
	2200	11.7	3.6
28 F	0430	2.5	0.8
	0948	12.4	3.8
	1706	0.5	0.1
	2242	11.8	3.6
29 Sa	0512	2.3	0.7
	1036	12.7	3.9
	1748	0.4	0.1
	2330	11.8	3.6
30 Su	0554	2.4	0.7
	1124	12.7	3.9
	1836	0.8	0.2
31 M	0024	11.7	3.6
	0642	2.8	0.9
	1224	12.6	3.8
	1924	1.5	0.5

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0118	11.6	3.5
	0736	3.3	1.0
	1324	12.2	3.7
	2018	2.4	0.7
2 W	0218	11.5	3.5
	0836	3.9	1.2
	1436	11.9	3.6
	2124	3.3	1.0
3 Th	0324	11.5	3.5
	0948	4.2	1.3
	1554	11.8	3.6
	2230	3.9	1.2
4 F	0430	11.7	3.6
	1106	4.1	1.2
	1718	11.9	3.6
	2342	4.1	1.3
5 Sa	0542	11.9	3.6
	1218	3.5	1.1
	1830	12.1	3.7
6 Su	0048	4.0	1.2
	0648	12.1	3.7
	1318	2.8	0.9
	1936	12.3	3.8
7 M	0142	3.7	1.1
	0748	12.4	3.8
	1412	2.1	0.6
	2030	12.4	3.8
8 Tu	0230	3.2	1.0
	0842	12.5	3.8
	1500	1.4	0.4
	2112	12.5	3.8
9 W	0318	2.8	0.9
	0924	12.7	3.9
	1548	0.9	0.3
	2200	12.5	3.8
10 Th	0400	2.4	0.7
	1012	12.8	3.9
	1630	0.5	0.1
	2242	12.6	3.8
11 F	0436	2.0	0.6
	1054	13.0	4.0
	1712	0.3	0.1
	2324	12.7	3.9
12 Sa	0518	1.8	0.6
	1136	13.1	4.0
	1754	0.3	0.1
13 Su	0006	12.8	3.9
	0600	1.8	0.6
	1224	13.2	4.0
	1836	0.6	0.2
14 M	0048	12.9	3.9
	0648	2.1	0.6
	1312	13.2	4.0
	1924	1.2	0.4
15 Tu	0142	13.0	4.0
	0736	2.6	0.8
	1400	13.0	4.0
	2012	2.0	0.6
16 W	0230	12.9	3.9
	0830	3.1	0.9
	1500	12.9	3.9
	2106	2.8	0.9
17 Th	0324	12.9	3.9
	0936	3.4	1.0
	1600	12.8	3.9
	2206	3.5	1.1
18 F	0418	12.8	3.9
	1036	3.5	1.1
	1700	12.8	3.9
	2306	4.0	1.2
19 Sa	0512	12.6	3.9
	1142	3.3	1.0
	1754	12.8	3.9
20 Su	0006	4.2	1.3
	0600	12.4	3.8
	1236	3.1	0.9
	1848	12.6	3.9
21 M	0054	4.4	1.3
	0636	12.2	3.7
	1318	2.7	0.8
	1930	12.4	3.8
22 Tu	0136	4.4	1.3
	0654	12.0	3.7
	1406	2.3	0.7
	2000	12.1	3.7
23 W	0212	4.3	1.3
	0724	12.0	3.7
	1442	1.8	0.6
	2024	11.9	3.6
24 Th	0248	4.0	1.2
	0754	12.2	3.7
	1524	1.3	0.4
	2100	11.8	3.6
25 F	0330	3.6	1.1
	0836	12.4	3.8
	1606	0.9	0.3
	2136	11.9	3.6
26 Sa	0412	3.2	1.0
	0924	12.6	3.9
	1648	0.7	0.2
	2224	12.1	3.7
27 Su	0454	2.9	0.9
	1018	12.8	3.9
	1730	0.7	0.2
	2312	12.2	3.7
28 M	0542	2.7	0.8
	1112	12.7	3.9
	1812	1.1	0.3
29 Tu	0006	12.4	3.8
	0630	2.8	0.9
	1212	12.5	3.8
	1906	1.8	0.6
30 W	0100	12.4	3.8
	0724	3.1	0.9
	1318	12.2	3.7
	2000	2.7	0.8

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0154	12.3	3.7
	0830	3.4	1.0
	1430	11.9	3.6
	2100	3.6	1.1
2 F	0300	12.2	3.7
	0942	3.5	1.1
	1554	11.8	3.6
	2212	4.3	1.3
3 Sa	0412	12.2	3.7
	1054	3.3	1.0
	1718	12.0	3.7
	2324	4.5	1.4
4 Su	0524	12.3	3.8
	1206	2.9	0.9
	1830	12.2	3.7
5 M	0024	4.4	1.4
	0636	12.5	3.8
	1300	2.4	0.7
	1924	12.4	3.8
6 Tu	0124	4.2	1.3
	0736	12.7	3.9
	1354	1.9	0.6
	2018	12.5	3.8
7 W	0212	3.9	1.2
	0824	12.7	3.9
	1442	1.5	0.5
	2100	12.6	3.8
8 Th	0254	3.6	1.1
	0912	12.8	3.9
	1524	1.2	0.4
	2142	12.6	3.8
9 F	0336	3.2	1.0
	0954	12.9	3.9
	1606	1.0	0.3
	2224	12.7	3.9
10 Sa	0418	2.9	0.9
	1030	12.9	3.9
	1648	0.9	0.3
	2300	12.9	3.9
11 Su	0454	2.6	0.8
	1112	13.0	4.0
	1724	0.9	0.3
	2342	13.2	4.0
12 M	0536	2.4	0.7
	1154	13.1	4.0
	1800	1.1	0.4
13 Tu	0018	13.4	4.1
	0618	2.3	0.7
	1236	13.1	4.0
	1842	1.6	0.5
14 W	0100	13.5	4.1
	0700	2.4	0.7
	1324	13.0	4.0
	1924	2.3	0.7
15 Th	0148	13.4	4.1
	0754	2.6	0.8
	1418	12.9	3.9
	2012	3.1	0.9
16 F	0230	13.2	4.0
	0848	2.9	0.9
	1512	12.8	3.9
	2112	3.8	1.2
17 Sa	0324	12.9	3.9
	0948	3.1	0.9
	1612	12.7	3.9
	2212	4.4	1.4
18 Su	0412	12.7	3.9
	1054	3.0	0.9
	1712	12.6	3.8
	2306	4.8	1.5
19 M	0500	12.5	3.8
	1154	2.8	0.9
	1800	12.5	3.8
20 Tu	0000	5.1	1.5
	0536	12.4	3.8
	1242	2.6	0.8
	1848	12.3	3.8
21 W	0048	5.1	1.6
	0612	12.4	3.8
	1330	2.3	0.7
	1924	12.1	3.7
22 Th	0136	5.0	1.5
	0648	12.5	3.8
	1412	1.9	0.6
	2000	12.1	3.7
23 F	0218	4.7	1.4
	0730	12.6	3.8
	1500	1.6	0.5
	2036	12.1	3.7
24 Sa	0306	4.3	1.3
	0812	12.7	3.9
	1542	1.3	0.4
	2118	12.3	3.8
25 Su	0348	3.7	1.1
	0906	12.8	3.9
	1624	1.1	0.4
	2206	12.6	3.8
26 M	0436	3.1	1.0
	1006	12.8	3.9
	1712	1.2	0.4
	2254	12.9	3.9
27 Tu	0530	2.7	0.8
	1106	12.7	3.9
	1754	1.5	0.5
	2348	13.0	4.0
28 W	0624	2.5	0.8
	1206	12.6	3.8
	1848	2.1	0.6
29 Th	0042	13.1	4.0
	0718	2.5	0.8
	1312	12.3	3.8
	1942	2.9	0.9
30 F	0136	12.9	3.9
	0818	2.6	0.8
	1424	12.1	3.7
	2042	3.7	1.1
31 Sa	0242	12.7	3.9
	0930	2.7	0.8
	1542	12.0	3.7
	2148	4.3	1.3

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

COMODORO RIVADAVIA, ARGENTINA, 1983

Times and Heights of High and Low Waters

JANUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Sa	0606	19.8	6.0
	1200	4.4	1.4
	1812	20.0	6.1
2 Su	0048	1.8	0.6
	0700	20.3	6.2
	1300	4.1	1.2
	1906	20.3	6.2
3 M	0142	1.3	0.4
	0748	20.5	6.3
	1348	3.7	1.1
	1954	20.2	6.2
4 Tu	0230	1.0	0.3
	0842	20.4	6.2
	1442	3.4	1.0
	2042	19.9	6.1
5 W	0318	1.0	0.3
	0930	19.9	6.1
	1530	3.3	1.0
	2136	19.2	5.9
6 Th	0406	1.3	0.4
	1018	19.2	5.9
	1624	3.5	1.1
	2230	18.3	5.6
7 F	0454	2.1	0.6
	1112	18.4	5.6
	1718	3.9	1.2
	2324	17.3	5.3
8 Sa	0548	3.0	0.9
	1212	17.6	5.4
	1818	4.2	1.3
9 Su	0030	16.4	5.0
	0648	3.9	1.2
	1312	17.1	5.2
	1924	4.4	1.3
10 M	0142	16.0	4.9
	0742	4.6	1.4
	1412	16.9	5.1
	2024	4.4	1.3
11 Tu	0248	16.1	4.9
	0842	5.1	1.6
	1506	16.9	5.2
	2124	4.2	1.3
12 W	0342	16.5	5.0
	0936	5.4	1.7
	1600	17.1	5.2
	2218	4.0	1.2
13 Th	0436	16.9	5.2
	1024	5.6	1.7
	1642	17.3	5.3
	2306	3.8	1.2
14 F	0524	17.3	5.3
	1112	5.7	1.7
	1724	17.4	5.3
	2354	3.6	1.1
15 Sa	0606	17.6	5.4
	1200	5.7	1.7
	1806	17.5	5.3
16 Su	0036	3.4	1.1
	0642	17.8	5.4
	1248	5.5	1.7
	1842	17.6	5.4
17 M	0118	3.2	1.0
	0718	17.9	5.5
	1330	5.2	1.6
	1918	17.6	5.4
18 Tu	0200	3.1	0.9
	0754	18.0	5.5
	1412	5.0	1.5
	1954	17.6	5.4
19 W	0236	2.9	0.9
	0830	17.9	5.5
	1448	4.8	1.5
	2030	17.5	5.3
20 Th	0306	3.0	0.9
	0906	17.8	5.4
	1518	4.6	1.4
	2106	17.3	5.3
21 F	0336	3.1	0.9
	0942	17.6	5.4
	1548	4.6	1.4
	2148	17.0	5.2
22 Sa	0400	3.3	1.0
	1024	17.3	5.3
	1618	4.7	1.4
	2236	16.5	5.0
23 Su	0436	3.8	1.2
	1106	16.9	5.2
	1706	4.8	1.5
	2330	16.1	4.9
24 M	0518	4.3	1.3
	1200	16.7	5.1
	1806	4.9	1.5
25 Tu	0030	16.0	4.9
	0624	4.8	1.5
	1300	16.7	5.1
	1912	4.8	1.5
26 W	0142	16.2	4.9
	0724	5.2	1.6
	1400	17.0	5.2
	2018	4.4	1.4
27 Th	0248	16.9	5.1
	0830	5.2	1.6
	1506	17.6	5.4
	2124	3.9	1.2
28 F	0354	17.8	5.4
	0930	5.2	1.6
	1606	18.4	5.6
	2230	3.3	1.0
29 Sa	0454	18.8	5.7
	1036	5.0	1.5
	1706	19.2	5.9
	2336	2.6	0.8
30 Su	0554	19.7	6.0
	1142	4.5	1.4
	1800	19.9	6.1
31 M	0042	1.9	0.6
	0648	20.3	6.2
	1248	4.0	1.2
	1854	20.4	6.2

FEBRUARY

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0130	1.2	0.4
	0736	20.7	6.3
	1342	3.3	1.0
	1942	20.6	6.3
2 W	0218	0.9	0.3
	0824	20.7	6.3
	1430	2.9	0.9
	2030	20.4	6.2
3 Th	0306	0.9	0.3
	0906	20.4	6.2
	1518	2.7	0.8
	2118	19.8	6.1
4 F	0348	1.3	0.4
	0954	19.7	6.0
	1606	2.8	0.8
	2206	18.9	5.8
5 Sa	0430	2.0	0.6
	1036	18.8	5.7
	1654	3.1	1.0
	2254	17.8	5.4
6 Su	0512	3.0	0.9
	1124	17.7	5.4
	1748	3.6	1.1
	2354	16.7	5.1
7 M	0606	4.0	1.2
	1218	16.8	5.1
	1842	4.1	1.3
8 Tu	0100	15.9	4.8
	0700	4.9	1.5
	1318	16.1	4.9
	1942	4.4	1.3
9 W	0206	15.6	4.8
	0800	5.5	1.7
	1424	15.9	4.9
	2042	4.5	1.4
10 Th	0312	15.7	4.8
	0854	5.8	1.8
	1524	16.0	4.9
	2142	4.3	1.3
11 F	0406	16.2	4.9
	0954	5.9	1.8
	1612	16.3	5.0
	2242	4.1	1.3
12 Sa	0454	16.7	5.1
	1048	5.8	1.8
	1700	16.7	5.1
	2330	3.9	1.2
13 Su	0536	17.2	5.2
	1142	5.6	1.7
	1742	17.0	5.2
14 M	0018	3.6	1.1
	0618	17.6	5.4
	1230	5.3	1.6
	1818	17.3	5.3
15 Tu	0100	3.4	1.0
	0654	17.9	5.5
	1312	5.0	1.5
	1854	17.6	5.4
16 W	0142	3.2	1.0
	0730	18.1	5.5
	1354	4.7	1.4
	1930	17.7	5.4
17 Th	0218	3.1	0.9
	0806	18.2	5.5
	1430	4.4	1.3
	2006	17.9	5.5
18 F	0248	3.1	0.9
	0836	18.2	5.5
	1500	4.2	1.3
	2042	17.9	5.5
19 Sa	0312	3.1	1.0
	0912	18.0	5.5
	1518	4.0	1.2
	2124	17.7	5.4
20 Su	0330	3.3	1.0
	0948	17.7	5.4
	1548	3.9	1.2
	2206	17.3	5.3
21 M	0406	3.6	1.1
	1030	17.3	5.3
	1636	3.9	1.2
	2300	16.8	5.1
22 Tu	0454	4.1	1.3
	1118	16.8	5.1
	1730	4.2	1.3
23 W	0006	16.3	5.0
	0554	4.8	1.5
	1224	16.5	5.0
	1836	4.3	1.3
24 Th	0118	16.2	4.9
	0700	5.2	1.6
	1330	16.5	5.0
	1948	4.2	1.3
25 F	0230	16.6	5.1
	0806	5.3	1.6
	1442	17.0	5.2
	2100	3.8	1.2
26 Sa	0342	17.5	5.3
	0912	5.2	1.6
	1548	17.9	5.5
	2212	3.2	1.0
27 Su	0442	18.6	5.7
	1018	4.8	1.5
	1654	18.9	5.8
	2324	2.6	0.8
28 M	0536	19.5	5.9
	1130	4.3	1.3
	1748	19.7	6.0

MARCH

Day	Time (h m)	Height (ft)	Height (m)
1 Tu	0024	2.0	0.6
	0630	20.2	6.2
	1236	3.6	1.1
	1842	20.3	6.2
2 W	0118	1.5	0.5
	0718	20.5	6.3
	1324	1.6	0.5
	1930	20.6	6.3
3 Th	0200	1.3	0.4
	0800	20.6	6.3
	1412	2.5	0.8
	2012	20.4	6.2
4 F	0242	1.4	0.4
	0842	20.2	6.2
	1500	2.2	0.7
	2100	19.9	6.1
5 Sa	0318	1.8	0.6
	0924	19.6	6.0
	1542	2.3	0.7
	2142	19.1	5.8
6 Su	0400	2.5	0.8
	1000	18.6	5.7
	1624	2.7	0.8
	2230	17.9	5.5
7 M	0442	3.3	1.0
	1048	17.5	5.3
	1712	3.2	1.0
	2318	16.8	5.1
8 Tu	0530	4.2	1.3
	1136	16.4	5.0
	1806	3.8	1.2
9 W	0018	15.8	4.8
	0624	5.1	1.5
	1230	15.6	4.8
	1906	4.3	1.3
10 Th	0124	15.4	4.7
	0724	5.6	1.7
	1336	15.2	4.6
	2006	4.5	1.4
11 F	0230	15.4	4.7
	0818	5.8	1.8
	1442	15.3	4.7
	2106	4.4	1.4
12 Sa	0330	15.9	4.9
	0924	5.7	1.7
	1542	15.7	4.8
	2206	4.2	1.3
13 Su	0418	16.5	5.0
	1018	5.5	1.7
	1630	16.3	5.0
	2300	4.0	1.2
14 M	0506	17.1	5.2
	1118	5.2	1.6
	1712	16.8	5.1
	2354	3.7	1.1
15 Tu	0548	17.6	5.4
	1206	4.9	1.5
	1754	17.3	5.3
16 W	0036	3.6	1.1
	0624	17.9	5.5
	1248	4.6	1.4
	1830	17.7	5.4
17 Th	0118	3.5	1.1
	0700	18.2	5.5
	1330	4.3	1.3
	1906	18.1	5.5
18 F	0154	3.5	1.1
	0730	18.3	5.6
	1406	4.0	1.2
	1942	18.3	5.6
19 Sa	0218	3.5	1.1
	0806	18.4	5.6
	1430	3.7	1.1
	2024	18.4	5.6
20 Su	0242	3.5	1.1
	0842	18.3	5.6
	1454	3.4	1.1
	2106	18.2	5.6
21 M	0306	3.6	1.1
	0918	17.9	5.5
	1530	3.3	1.0
	2148	17.8	5.4
22 Tu	0342	3.8	1.2
	1000	17.4	5.3
	1612	3.4	1.0
	2242	17.1	5.2
23 W	0436	4.3	1.3
	1054	16.8	5.1
	1712	3.7	1.1
	2348	16.5	5.0
24 Th	0536	4.9	1.5
	1200	16.2	4.9
	1824	3.9	1.2
25 F	0100	16.3	5.0
	0642	5.2	1.6
	1318	16.2	4.9
	1936	3.9	1.2
26 Sa	0218	16.8	5.1
	0754	5.2	1.6
	1430	16.7	5.1
	2048	3.6	1.1
27 Su	0324	17.7	5.4
	0900	4.9	1.5
	1542	17.7	5.4
	2154	3.1	1.0
28 M	0424	18.6	5.7
	1012	4.4	1.3
	1642	18.8	5.7
	2306	2.7	0.8
29 Tu	0518	19.5	5.9
	1118	3.8	1.2
	1736	19.6	6.0
30 W	0000	2.4	0.7
	0606	20.0	6.1
	1218	3.2	1.0
	1824	20.1	6.1
31 Th	0054	2.3	0.7
	0648	20.2	6.2
	1306	2.8	0.9
	1906	20.2	6.2

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m
1 F	0130	2.4	0.7
	0730	20.0	6.1
	1348	2.4	0.7
	1954	20.0	6.1
2 Sa	0212	2.6	0.8
	0812	19.7	6.0
	1430	2.3	0.7
	2036	19.6	6.0
3 Su	0248	2.9	0.9
	0848	19.0	5.8
	1512	2.3	0.7
	2118	18.8	5.7
4 M	0330	3.4	1.0
	0930	18.1	5.5
	1554	2.7	0.8
	2200	17.9	5.5
5 Tu	0412	3.9	1.2
	1006	17.2	5.2
	1642	3.1	1.0
	2248	16.9	5.1
6 W	0500	4.6	1.4
	1054	16.1	4.9
	1730	3.7	1.1
	2342	16.0	4.9
7 Th	0548	5.2	1.6
	1148	15.3	4.7
	1830	4.2	1.3
8 F	0048	15.6	4.7
	0648	5.5	1.7
	1254	14.8	4.5
	1930	4.4	1.4
9 Sa	0148	15.6	4.8
	0748	5.6	1.7
	1400	14.9	4.6
	2030	4.4	1.3
10 Su	0248	16.0	4.9
	0848	5.4	1.6
	1500	15.5	4.7
	2130	4.2	1.3
11 M	0342	16.7	5.1
	0948	5.1	1.5
	1554	16.2	4.9
	2224	4.1	1.2
12 Tu	0424	17.3	5.3
	1042	4.8	1.5
	1642	16.9	5.2
	2312	4.0	1.2
13 W	0506	17.8	5.4
	1130	4.5	1.4
	1718	17.6	5.4
14 Th	0000	4.0	1.2
	0542	18.2	5.6
	1218	4.3	1.3
	1800	18.1	5.5
15 F	0042	4.1	1.3
	0618	18.4	5.6
	1300	4.1	1.2
	1842	18.5	5.6
16 Sa	0118	4.2	1.3
	0654	18.6	5.7
	1336	3.8	1.2
	1918	18.8	5.7
17 Su	0148	4.2	1.3
	0736	18.6	5.7
	1406	3.4	1.1
	2006	18.9	5.8
18 M	0218	4.2	1.3
	0812	18.5	5.6
	1436	3.1	1.0
	2048	18.6	5.7
19 Tu	0248	4.2	1.3
	0854	18.1	5.5
	1518	3.0	0.9
	2136	18.1	5.5
20 W	0336	4.3	1.3
	0942	17.5	5.3
	1606	3.1	0.9
	2236	17.5	5.3
21 Th	0424	4.7	1.4
	1042	16.7	5.1
	1700	3.4	1.0
	2342	16.9	5.2
22 F	0530	5.0	1.5
	1148	16.2	4.9
	1812	3.6	1.1
23 Sa	0054	16.8	5.1
	0642	5.2	1.6
	1306	16.2	5.0
	1924	3.6	1.1
24 Su	0206	17.3	5.3
	0748	4.9	1.5
	1424	16.9	5.1
	2036	3.4	1.1
25 M	0306	18.0	5.5
	0854	4.4	1.4
	1530	17.8	5.4
	2142	3.2	1.0
26 Tu	0400	18.8	5.7
	1000	3.9	1.2
	1624	18.7	5.7
	2236	3.1	1.0
27 W	0454	19.4	5.9
	1100	3.4	1.0
	1712	19.4	5.9
	2330	3.2	1.0
28 Th	0536	19.7	6.0
	1148	3.1	1.0
	1800	19.7	6.0
29 F	0018	3.5	1.1
	0618	19.7	6.0
	1236	2.9	0.9
	1848	19.7	6.0
30 Sa	0100	3.8	1.2
	0700	19.4	5.9
	1324	2.8	0.9
	1930	19.4	5.9

MAY

Day	Time h m	Height ft	Height m
1 Su	0142	4.0	1.2
	0736	18.9	5.8
	1406	2.7	0.8
	2012	19.0	5.8
2 M	0218	4.2	1.3
	0818	18.3	5.6
	1448	2.8	0.9
	2048	18.4	5.6
3 Tu	0300	4.5	1.4
	0854	17.6	5.4
	1530	3.0	0.9
	2136	17.7	5.4
4 W	0342	4.7	1.4
	0936	16.8	5.1
	1612	3.3	1.0
	2218	17.0	5.2
5 Th	0430	5.0	1.5
	1024	16.0	4.9
	1700	3.7	1.1
	2312	16.3	5.0
6 F	0518	5.3	1.6
	1118	15.3	4.7
	1754	4.1	1.3
7 Sa	0012	15.9	4.9
	0618	5.4	1.7
	1218	14.9	4.5
	1854	4.4	1.3
8 Su	0112	16.0	4.9
	0718	5.4	1.6
	1324	15.0	4.6
	1954	4.4	1.4
9 M	0206	16.4	5.0
	0818	5.1	1.6
	1418	15.6	4.7
	2048	4.4	1.3
10 Tu	0254	17.0	5.2
	0918	4.8	1.5
	1512	16.3	5.0
	2142	4.3	1.3
11 W	0342	17.6	5.4
	1006	4.4	1.4
	1600	17.2	5.2
	2230	4.4	1.3
12 Th	0424	18.2	5.5
	1054	4.2	1.3
	1648	17.9	5.5
	2312	4.6	1.4
13 F	0506	18.5	5.7
	1136	4.0	1.2
	1730	18.5	5.6
	2354	4.7	1.4
14 Sa	0542	18.8	5.7
	1218	3.8	1.2
	1812	19.0	5.8
15 Su	0036	4.8	1.5
	0624	18.9	5.8
	1300	3.5	1.1
	1900	19.2	5.9
16 M	0112	4.8	1.5
	0706	18.9	5.8
	1342	3.1	1.0
	1948	19.2	5.9
17 Tu	0154	4.7	1.4
	0754	18.7	5.7
	1424	2.8	0.9
	2036	19.0	5.8
18 W	0236	4.6	1.4
	0842	18.3	5.6
	1506	2.7	0.8
	2130	18.6	5.7
19 Th	0324	4.6	1.4
	0930	17.7	5.4
	1600	2.8	0.8
	2224	18.0	5.5
20 F	0424	4.7	1.4
	1030	17.1	5.2
	1700	3.0	0.9
	2330	17.6	5.4
21 Sa	0524	4.9	1.5
	1142	16.6	5.1
	1806	3.3	1.0
22 Su	0042	17.5	5.3
	0636	4.8	1.5
	1300	16.6	5.1
	1918	3.4	1.0
23 M	0148	17.7	5.4
	0742	4.5	1.4
	1406	17.1	5.2
	2018	3.4	1.1
24 Tu	0242	18.3	5.6
	0848	3.9	1.2
	1512	17.8	5.4
	2118	3.5	1.1
25 W	0336	18.8	5.7
	0942	3.5	1.1
	1606	18.5	5.6
	2212	3.7	1.1
26 Th	0424	19.1	5.8
	1036	3.2	1.0
	1654	18.9	5.8
	2254	4.1	1.3
27 F	0506	19.2	5.9
	1124	3.1	1.0
	1736	19.1	5.8
	2342	4.5	1.4
28 Sa	0548	19.0	5.8
	1212	3.1	1.0
	1824	19.0	5.8
29 Su	0024	4.9	1.5
	0630	18.6	5.7
	1254	3.2	1.0
	1906	18.7	5.7
30 M	0106	5.2	1.6
	0706	18.2	5.6
	1336	3.2	1.0
	1948	18.4	5.6
31 Tu	0148	5.2	1.6
	0742	17.7	5.4
	1418	3.2	1.0
	2024	18.0	5.5

JUNE

Day	Time h m	Height ft	Height m
1 W	0236	5.2	1.6
	0824	17.2	5.2
	1500	3.3	1.0
	2106	17.6	5.4
2 Th	0318	5.2	1.6
	0906	16.6	5.1
	1548	3.5	1.1
	2154	17.1	5.2
3 F	0400	5.2	1.6
	0948	16.0	4.9
	1630	3.7	1.1
	2242	16.7	5.1
4 Sa	0454	5.3	1.6
	1042	15.4	4.7
	1718	4.0	1.2
	2330	16.4	5.0
5 Su	0548	5.3	1.6
	1142	15.1	4.6
	1812	4.3	1.3
6 M	0024	16.3	5.0
	0642	5.2	1.6
	1236	15.2	4.6
	1912	4.5	1.4
7 Tu	0118	16.6	5.1
	0742	5.0	1.5
	1336	15.6	4.8
	2000	4.6	1.4
8 W	0212	17.1	5.2
	0836	4.6	1.4
	1430	16.4	5.0
	2054	4.6	1.4
9 Th	0300	17.7	5.4
	0924	4.2	1.3
	1524	17.3	5.3
	2136	4.7	1.4
10 F	0342	18.2	5.6
	1012	3.9	1.2
	1612	18.1	5.5
	2218	4.9	1.5
11 Sa	0424	18.7	5.7
	1054	3.6	1.1
	1700	18.8	5.7
	2300	5.0	1.5
12 Su	0512	19.0	5.8
	1142	3.3	1.0
	1754	19.2	5.9
	2348	5.0	1.5
13 M	0554	19.1	5.8
	1230	3.0	0.9
	1842	19.5	6.0
14 Tu	0042	4.9	1.5
	0648	19.2	5.8
	1318	2.7	0.8
	1930	19.6	6.0
15 W	0136	4.7	1.4
	0736	19.0	5.8
	1412	2.3	0.7
	2024	19.5	5.9
16 Th	0224	4.5	1.4
	0830	18.7	5.7
	1500	2.2	0.7
	2118	19.2	5.8
17 F	0318	4.3	1.3
	0924	18.2	5.6
	1554	2.2	0.7
	2212	18.7	5.7
18 Sa	0418	4.3	1.3
	1024	17.6	5.4
	1654	2.5	0.8
	2312	18.2	5.6
19 Su	0518	4.3	1.3
	1130	17.1	5.2
	1754	3.0	0.9
20 M	0018	17.9	5.5
	0624	4.2	1.3
	1236	16.9	5.1
	1900	3.3	1.0
21 Tu	0118	17.8	5.4
	0730	3.9	1.2
	1348	17.0	5.2
	1954	3.7	1.1
22 W	0218	18.0	5.5
	0830	3.5	1.1
	1448	17.5	5.3
	2048	4.0	1.2
23 Th	0312	18.2	5.6
	0924	3.2	1.0
	1542	17.9	5.5
	2142	4.3	1.3
24 F	0400	18.4	5.6
	1012	3.1	1.0
	1636	18.2	5.5
	2224	4.8	1.5
25 Sa	0442	18.4	5.6
	1100	3.1	1.0
	1718	18.3	5.6
	2312	5.2	1.6
26 Su	0524	18.2	5.5
	1148	3.2	1.0
	1800	18.3	5.6
	2354	5.5	1.7
27 M	0600	17.9	5.5
	1230	3.3	1.0
	1842	18.1	5.5
28 Tu	0042	5.6	1.7
	0642	17.6	5.4
	1312	3.4	1.0
	1924	17.9	5.5
29 W	0124	5.5	1.7
	0718	17.2	5.3
	1354	3.3	1.0
	2000	17.7	5.4
30 Th	0212	5.3	1.6
	0800	16.9	5.2
	1436	3.3	1.0
	2042	17.5	5.3

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

COMODORO RIVADAVIA, ARGENTINA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time (h m)	Height (ft)	Height (m)
1 F	0254	5.2	1.6
	0842	16.5	5.0
	1518	3.4	1.0
	2124	17.2	5.3
2 Sa	0336	5.1	1.5
	0924	16.1	4.9
	1600	3.6	1.1
	2206	16.9	5.2
3 Su	0424	5.0	1.5
	1006	15.7	4.8
	1642	3.9	1.2
	2248	16.6	5.1
4 M	0512	5.1	1.5
	1100	15.4	4.7
	1730	4.3	1.3
	2336	16.4	5.0
5 Tu	0606	5.0	1.5
	1154	15.3	4.7
	1818	4.6	1.4
6 W	0030	16.4	5.0
	0700	4.9	1.5
	1254	15.5	4.7
	1912	4.8	1.5
7 Th	0124	16.7	5.1
	0754	4.5	1.4
	1354	16.1	4.9
	2000	4.9	1.5
8 F	0218	17.2	5.2
	0842	4.0	1.2
	1454	17.0	5.2
	2048	4.9	1.5
9 Sa	0306	17.8	5.4
	0930	3.6	1.1
	1548	17.8	5.4
	2136	4.9	1.5
10 Su	0354	18.4	5.6
	1018	3.1	1.0
	1642	18.6	5.7
	2224	4.8	1.5
11 M	0448	18.8	5.7
	1112	2.7	0.8
	1736	19.3	5.9
	2318	4.7	1.4
12 Tu	0536	19.2	5.9
	1206	2.3	0.7
	1824	19.7	6.0
13 W	0018	4.5	1.4
	0630	19.4	5.9
	1306	1.9	0.6
	1918	19.9	6.1
14 Th	0118	4.1	1.3
	0724	19.5	5.9
	1400	1.6	0.5
	2012	19.9	6.1
15 F	0212	3.7	1.1
	0818	19.3	5.9
	1448	1.4	0.4
	2100	19.7	6.0
16 Sa	0306	3.5	1.1
	0906	18.8	5.7
	1542	1.6	0.5
	2154	19.2	5.8
17 Su	0400	3.3	1.0
	1006	18.1	5.5
	1630	2.1	0.6
	2248	18.5	5.6
18 M	0500	3.4	1.0
	1106	17.4	5.3
	1730	2.8	0.8
	2342	17.8	5.4
19 Tu	0600	3.5	1.1
	1212	16.8	5.1
	1824	3.5	1.1
20 W	0048	17.3	5.3
	0706	3.5	1.1
	1318	16.5	5.0
	1924	4.1	1.2
21 Th	0142	17.0	5.2
	0806	3.4	1.0
	1424	16.6	5.1
	2018	4.5	1.4
22 F	0242	17.0	5.2
	0900	3.2	1.0
	1524	16.9	5.2
	2112	4.8	1.5
23 Sa	0336	17.2	5.2
	0948	3.1	0.9
	1612	17.3	5.3
	2200	5.1	1.5
24 Su	0418	17.3	5.3
	1036	3.1	0.9
	1700	17.5	5.3
	2248	5.2	1.6
25 M	0500	17.3	5.3
	1124	3.1	0.9
	1742	17.7	5.4
	2336	5.3	1.6
26 Tu	0542	17.2	5.2
	1206	3.1	0.9
	1824	17.7	5.4
27 W	0018	5.2	1.6
	0618	17.1	5.2
	1254	3.1	0.9
	1900	17.7	5.4
28 Th	0106	5.1	1.5
	0700	17.0	5.2
	1336	3.1	0.9
	1936	17.7	5.4
29 F	0148	4.8	1.5
	0736	16.9	5.1
	1412	3.1	0.9
	2012	17.6	5.4
30 Sa	0230	4.6	1.4
	0812	16.7	5.1
	1448	3.1	1.0
	2048	17.4	5.3
31 Su	0312	4.5	1.4
	0854	16.4	5.0
	1524	3.3	1.0
	2124	17.1	5.2

AUGUST

Day	Time (h m)	Height (ft)	Height (m)
1 M	0348	4.4	1.4
	0936	16.1	4.9
	1554	3.6	1.1
	2206	16.7	5.1
2 Tu	0424	4.5	1.4
	1018	15.7	4.8
	1630	4.1	1.2
	2248	16.3	5.0
3 W	0506	4.6	1.4
	1112	15.4	4.7
	1718	4.5	1.4
	2342	16.0	4.9
4 Th	0606	4.5	1.4
	1212	15.3	4.7
	1812	4.9	1.5
5 F	0036	15.9	4.9
	0706	4.3	1.3
	1318	15.6	4.8
	1912	5.1	1.5
6 Sa	0136	16.2	5.0
	0800	3.8	1.2
	1424	16.3	5.0
	2012	5.0	1.5
7 Su	0236	16.9	5.1
	0900	3.2	1.0
	1530	17.3	5.3
	2112	4.7	1.4
8 M	0336	17.7	5.4
	0954	2.7	0.8
	1624	18.3	5.6
	2206	4.4	1.3
9 Tu	0430	18.5	5.6
	1054	2.1	0.6
	1718	19.2	5.9
	2306	4.0	1.2
10 W	0524	19.2	5.8
	1154	1.6	0.5
	1812	19.9	6.1
11 Th	0006	3.6	1.1
	0618	19.7	6.0
	1248	1.1	0.4
	1900	20.2	6.2
12 F	0106	3.1	0.9
	0712	19.9	6.1
	1342	0.9	0.3
	1948	20.3	6.2
13 Sa	0200	2.6	0.8
	0800	19.8	6.0
	1430	0.9	0.3
	2036	20.0	6.1
14 Su	0248	2.3	0.7
	0848	19.3	5.9
	1518	1.2	0.4
	2124	19.4	5.9
15 M	0342	2.3	0.7
	0942	18.5	5.6
	1606	1.9	0.6
	2212	18.4	5.6
16 Tu	0430	2.6	0.8
	1036	17.4	5.3
	1654	2.8	0.9
	2306	17.4	5.3
17 W	0530	2.9	0.9
	1136	16.4	5.0
	1748	3.8	1.2
18 Th	0000	16.4	5.0
	0630	3.3	1.0
	1248	15.7	4.8
	1848	4.6	1.4
19 F	0106	15.7	4.8
	0730	3.4	1.1
	1354	15.5	4.7
	1942	5.0	1.5
20 Sa	0212	15.6	4.7
	0830	3.4	1.0
	1500	15.8	4.8
	2042	5.1	1.6
21 Su	0312	15.7	4.8
	0930	3.1	1.0
	1554	16.4	5.0
	2136	5.1	1.5
22 M	0400	16.1	4.9
	1018	2.9	0.9
	1636	16.9	5.2
	2230	4.9	1.5
23 Tu	0442	16.4	5.0
	1106	2.8	0.8
	1718	17.3	5.3
	2318	4.6	1.4
24 W	0524	16.7	5.1
	1154	2.7	0.8
	1800	17.6	5.4
25 Th	0006	4.4	1.3
	0600	16.9	5.2
	1236	2.6	0.8
	1836	17.8	5.4
26 F	0048	4.2	1.3
	0636	17.0	5.2
	1312	2.7	0.8
	1906	17.8	5.4
27 Sa	0130	3.9	1.2
	0712	17.1	5.2
	1348	2.8	0.8
	1942	17.8	5.4
28 Su	0206	3.8	1.2
	0748	17.1	5.2
	1424	2.9	0.9
	2012	17.6	5.4
29 M	0242	3.7	1.1
	0824	16.9	5.2
	1448	3.1	1.0
	2048	17.3	5.3
30 Tu	0306	3.6	1.1
	0900	16.6	5.1
	1506	3.4	1.1
	2118	16.9	5.1
31 W	0330	3.6	1.1
	0948	16.1	4.9
	1542	3.8	1.2
	2200	16.3	5.0

SEPTEMBER

Day	Time (h m)	Height (ft)	Height (m)
1 Th	0412	3.7	1.1
	1036	15.6	4.7
	1624	4.3	1.3
	2254	15.7	4.8
2 F	0500	3.9	1.2
	1142	15.1	4.6
	1730	4.9	1.5
	2354	15.3	4.7
3 Sa	0618	4.0	1.2
	1254	15.1	4.6
	1836	5.2	1.6
4 Su	0106	15.3	4.7
	0730	3.7	1.1
	1406	15.7	4.8
	1948	5.1	1.5
5 M	0218	15.9	4.9
	0836	3.1	0.9
	1512	16.8	5.1
	2054	4.6	1.4
6 Tu	0324	17.0	5.2
	0942	2.4	0.7
	1612	18.1	5.5
	2154	4.0	1.2
7 W	0424	18.1	5.5
	1042	1.7	0.5
	1706	19.2	5.9
	2254	3.3	1.0
8 Th	0518	19.2	5.8
	1142	1.1	0.4
	1754	20.0	6.1
	2354	2.7	0.8
9 F	0606	19.8	6.1
	1236	0.8	0.3
	1842	20.4	6.2
10 Sa	0048	2.1	0.6
	0654	20.2	6.2
	1324	0.7	0.2
	1924	20.5	6.2
11 Su	0142	1.6	0.5
	0742	20.0	6.1
	1406	0.9	0.3
	2012	20.1	6.1
12 M	0230	1.4	0.4
	0830	19.5	6.0
	1448	1.4	0.4
	2054	19.3	5.9
13 Tu	0312	1.5	0.5
	0918	18.6	5.7
	1530	2.2	0.7
	2136	18.2	5.6
14 W	0400	1.9	0.6
	1006	17.4	5.3
	1618	3.1	1.0
	2218	17.0	5.2
15 Th	0454	2.6	0.8
	1100	16.1	4.9
	1706	4.1	1.3
	2312	15.7	4.8
16 F	0548	3.2	1.0
	1206	15.2	4.6
	1806	5.0	1.5
17 Sa	0018	14.7	4.5
	0648	3.6	1.1
	1318	14.8	4.5
	1906	5.4	1.6
18 Su	0130	14.3	4.4
	0754	3.6	1.1
	1424	15.0	4.6
	2012	5.3	1.6
19 M	0242	14.6	4.4
	0900	3.4	1.0
	1524	15.7	4.8
	2112	5.0	1.5
20 Tu	0336	15.2	4.6
	0954	3.0	0.9
	1612	16.5	5.0
	2212	4.4	1.4
21 W	0424	15.9	4.8
	1042	2.7	0.8
	1654	17.2	5.2
	2300	4.0	1.2
22 Th	0500	16.5	5.0
	1130	2.5	0.8
	1730	17.7	5.4
	2348	3.6	1.1
23 F	0536	17.0	5.2
	1212	2.5	0.8
	1806	18.0	5.5
24 Sa	0030	3.4	1.0
	0612	17.3	5.3
	1248	2.6	0.8
	1836	18.1	5.5
25 Su	0106	3.2	1.0
	0648	17.5	5.3
	1324	2.8	0.9
	1912	18.1	5.5
26 M	0142	3.1	1.0
	0724	17.6	5.4
	1354	3.1	0.9
	1942	18.0	5.5
27 Tu	0212	3.1	0.9
	0800	17.5	5.3
	1412	3.3	1.0
	2012	17.7	5.4
28 W	0230	3.0	0.9
	0836	17.2	5.3
	1430	3.5	1.1
	2048	17.3	5.3
29 Th	0254	2.9	0.9
	0924	16.7	5.1
	1506	3.8	1.2
	2130	16.6	5.1
30 F	0330	3.0	0.9
	1012	15.9	4.9
	1554	4.3	1.3
	2212	15.8	4.8

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m
1 Sa	0430	3.3	1.0
	1118	15.3	4.7
	1654	5.0	1.5
	2318	15.0	4.6
2 Su	0542	3.6	1.1
	1230	15.0	4.6
	1812	5.3	1.6
3 M	0042	14.8	4.5
	0706	3.6	1.1
	1348	15.6	4.8
	1930	5.2	1.6
4 Tu	0200	15.4	4.7
	0818	3.1	0.9
	1500	16.8	5.1
	2042	4.6	1.4
5 W	0312	16.6	5.1
	0930	2.4	0.7
	1600	18.1	5.5
	2148	3.7	1.1
6 Th	0412	18.0	5.5
	1030	1.7	0.5
	1648	19.3	5.9
	2254	2.8	0.9
7 F	0506	19.2	5.8
	1124	1.3	0.4
	1736	20.1	6.1
	2348	2.1	0.6
8 Sa	0554	19.9	6.1
	1212	1.2	0.4
	1818	20.5	6.2
9 Su	0036	1.5	0.5
	0642	20.2	6.2
	1300	1.4	0.4
	1900	20.4	6.2
10 M	0124	1.2	0.4
	0724	20.0	6.1
	1342	1.7	0.5
	1942	19.9	6.1
11 Tu	0206	1.1	0.4
	0806	19.5	5.9
	1424	2.2	0.7
	2024	19.2	5.8
12 W	0248	1.3	0.4
	0854	18.6	5.7
	1500	2.9	0.9
	2100	18.1	5.5
13 Th	0330	1.8	0.5
	0936	17.5	5.3
	1542	3.6	1.1
	2142	16.9	5.2
14 F	0418	2.4	0.7
	1030	16.3	5.0
	1630	4.4	1.4
	2230	15.6	4.8
15 Sa	0506	3.1	1.0
	1124	15.3	4.7
	1730	5.2	1.6
	2330	14.5	4.4

Day	Time h m	Height ft	Height m
16 Su	0606	3.7	1.1
	1236	14.7	4.5
	1830	5.6	1.7
17 M	0036	13.8	4.2
	0712	3.9	1.2
	1342	14.8	4.5
	1936	5.5	1.7
18 Tu	0154	13.9	4.3
	0818	3.8	1.2
	1442	15.5	4.7
	2042	5.0	1.5
19 W	0300	14.6	4.5
	0918	3.4	1.0
	1536	16.3	5.0
	2148	4.4	1.3
20 Th	0348	15.5	4.7
	1012	3.1	0.9
	1618	17.2	5.2
	2236	3.8	1.2
21 F	0430	16.3	5.0
	1100	2.9	0.9
	1654	17.8	5.4
	2324	3.3	1.0
22 Sa	0512	17.1	5.2
	1142	3.0	0.9
	1730	18.2	5.6
23 Su	0006	3.1	1.0
	0548	17.6	5.4
	1218	3.1	1.0
	1806	18.4	5.6
24 M	0042	3.0	0.9
	0624	18.0	5.5
	1254	3.4	1.0
	1836	18.5	5.6
25 Tu	0118	2.9	0.9
	0700	18.2	5.5
	1324	3.6	1.1
	1912	18.4	5.6
26 W	0148	2.7	0.8
	0742	18.2	5.5
	1348	3.8	1.2
	1948	18.2	5.6
27 Th	0212	2.5	0.8
	0824	17.9	5.5
	1412	3.9	1.2
	2024	17.8	5.4
28 F	0242	2.4	0.7
	0906	17.4	5.3
	1448	4.1	1.2
	2106	17.1	5.2
29 Sa	0324	2.5	0.8
	1000	16.7	5.1
	1542	4.5	1.4
	2154	16.2	5.0
30 Su	0412	2.9	0.9
	1100	15.9	4.9
	1636	5.0	1.5
	2300	15.4	4.7
31 M	0524	3.3	1.0
	1212	15.6	4.8
	1754	5.4	1.6

NOVEMBER

Day	Time h m	Height ft	Height m
1 Tu	0024	15.0	4.6
	0648	3.5	1.1
	1330	16.0	4.9
	1918	5.2	1.6
2 W	0148	15.5	4.7
	0806	3.3	1.0
	1442	17.0	5.2
	2036	4.5	1.4
3 Th	0300	16.7	5.1
	0912	2.8	0.9
	1536	18.2	5.6
	2142	3.6	1.1
4 F	0400	17.9	5.5
	1018	2.4	0.7
	1630	19.2	5.9
	2242	2.8	0.8
5 Sa	0454	19.0	5.8
	1106	2.3	0.7
	1718	19.9	6.1
	2330	2.1	0.7
6 Su	0542	19.6	6.0
	1148	2.4	0.7
	1800	20.1	6.1
7 M	0018	1.7	0.5
	0624	19.8	6.1
	1236	2.7	0.8
	1836	20.0	6.1
8 Tu	0100	1.5	0.5
	0706	19.7	6.0
	1312	3.1	0.9
	1918	19.6	6.0
9 W	0142	1.5	0.5
	0748	19.2	5.9
	1354	3.4	1.0
	1954	18.9	5.8
10 Th	0224	1.6	0.5
	0830	18.6	5.7
	1436	3.8	1.2
	2030	18.1	5.5
11 F	0306	1.9	0.6
	0912	17.7	5.4
	1518	4.2	1.3
	2112	17.1	5.2
12 Sa	0348	2.4	0.7
	1000	16.8	5.1
	1600	4.7	1.4
	2200	16.0	4.9
13 Su	0436	3.0	0.9
	1048	15.9	4.9
	1654	5.2	1.6
	2248	15.0	4.6
14 M	0530	3.6	1.1
	1148	15.4	4.7
	1754	5.5	1.7
	2348	14.2	4.3
15 Tu	0630	4.1	1.2
	1248	15.2	4.6
	1900	5.6	1.7

Day	Time h m	Height ft	Height m
16 W	0100	14.0	4.3
	0736	4.2	1.3
	1354	15.6	4.7
	2006	5.2	1.6
17 Th	0206	14.5	4.4
	0836	4.1	1.3
	1448	16.2	5.0
	2106	4.7	1.4
18 F	0306	15.3	4.7
	0930	4.0	1.2
	1536	17.0	5.2
	2200	4.1	1.3
19 Sa	0354	16.2	4.9
	1018	3.9	1.2
	1618	17.7	5.4
	2248	3.7	1.1
20 Su	0436	17.1	5.2
	1106	4.0	1.2
	1654	18.2	5.6
	2336	3.4	1.0
21 M	0518	17.8	5.4
	1142	4.2	1.3
	1730	18.6	5.7
22 Tu	0012	3.1	1.0
	0600	18.3	5.6
	1224	4.3	1.3
	1806	18.8	5.7
23 W	0054	2.9	0.9
	0642	18.7	5.7
	1300	4.4	1.3
	1848	18.9	5.8
24 Th	0130	2.6	0.8
	0724	18.8	5.7
	1330	4.3	1.3
	1930	18.8	5.7
25 F	0200	2.3	0.7
	0812	18.7	5.7
	1406	4.2	1.3
	2012	18.5	5.6
26 Sa	0236	2.1	0.6
	0900	18.3	5.6
	1442	4.2	1.3
	2054	17.9	5.5
27 Su	0318	2.1	0.6
	0948	17.8	5.4
	1536	4.4	1.3
	2148	17.2	5.2
28 M	0412	2.4	0.7
	1048	17.2	5.2
	1630	4.8	1.5
	2254	16.4	5.0
29 Tu	0512	3.0	0.9
	1154	16.7	5.1
	1742	5.1	1.5
30 W	0006	15.9	4.9
	0630	3.4	1.0
	1306	16.8	5.1
	1900	5.0	1.5

DECEMBER

Day	Time h m	Height ft	Height m
1 Th	0124	16.0	4.9
	0742	3.5	1.1
	1412	17.3	5.3
	2018	4.5	1.4
2 F	0236	16.7	5.1
	0848	3.5	1.1
	1512	18.1	5.5
	2124	3.7	1.1
3 Sa	0342	17.7	5.4
	0948	3.5	1.1
	1606	18.8	5.7
	2224	3.1	0.9
4 Su	0436	18.5	5.6
	1036	3.7	1.1
	1654	19.3	5.9
	2318	2.7	0.8
5 M	0524	19.0	5.8
	1124	3.9	1.2
	1736	19.4	5.9
6 Tu	0000	2.4	0.7
	0612	19.2	5.8
	1206	4.2	1.3
	1818	19.3	5.9
7 W	0042	2.3	0.7
	0654	19.1	5.8
	1248	4.4	1.4
	1854	19.0	5.8
8 Th	0124	2.2	0.7
	0736	18.9	5.8
	1330	4.5	1.4
	1930	18.5	5.7
9 F	0206	2.2	0.7
	0812	18.5	5.6
	1412	4.5	1.4
	2012	18.0	5.5
10 Sa	0242	2.3	0.7
	0854	18.0	5.5
	1454	4.5	1.4
	2048	17.4	5.3
11 Su	0324	2.5	0.8
	0936	17.5	5.3
	1536	4.7	1.4
	2130	16.7	5.1
12 M	0406	2.9	0.9
	1018	16.9	5.2
	1624	4.9	1.5
	2218	15.9	4.8
13 Tu	0454	3.4	1.0
	1106	16.3	5.0
	1718	5.2	1.6
	2306	15.2	4.6
14 W	0542	3.9	1.2
	1200	16.0	4.9
	1818	5.4	1.7
15 Th	0006	14.8	4.5
	0642	4.4	1.4
	1254	15.9	4.9
	1918	5.4	1.7

Day	Time h m	Height ft	Height m
16 F	0112	14.8	4.5
	0742	4.7	1.4
	1348	16.2	4.9
	2018	5.2	1.6
17 Sa	0212	15.3	4.7
	0836	4.9	1.5
	1442	16.7	5.1
	2118	4.8	1.5
18 Su	0312	16.0	4.9
	0930	5.0	1.5
	1530	17.3	5.3
	2212	4.3	1.3
19 M	0400	16.9	5.2
	1018	5.1	1.6
	1612	17.9	5.5
	2300	3.9	1.2
20 Tu	0454	17.7	5.4
	1106	5.2	1.6
	1700	18.4	5.6
	2342	3.5	1.1
21 W	0542	18.4	5.6
	1148	5.1	1.6
	1742	18.8	5.7
22 Th	0030	3.1	0.9
	0624	19.0	5.8
	1230	4.9	1.5
	1830	19.2	5.8
23 F	0112	2.5	0.8
	0712	19.4	5.9
	1312	4.6	1.4
	1912	19.3	5.9
24 Sa	0154	2.0	0.6
	0800	19.5	5.9
	1400	4.2	1.3
	2000	19.3	5.9
25 Su	0236	1.6	0.5
	0848	19.4	5.9
	1442	4.0	1.2
	2048	19.0	5.8
26 M	0318	1.6	0.5
	0936	19.0	5.8
	1530	3.9	1.2
	2142	18.4	5.6
27 Tu	0406	1.9	0.6
	1030	18.5	5.6
	1630	4.1	1.2
	2242	17.7	5.4
28 W	0506	2.5	0.8
	1130	17.8	5.4
	1730	4.3	1.3
	2348	16.9	5.2
29 Th	0606	3.2	1.0
	1236	17.5	5.3
	1842	4.5	1.4
30 F	0100	16.6	5.1
	0712	3.8	1.2
	1342	17.4	5.3
	1954	4.3	1.3
31 Sa	0212	16.7	5.1
	0818	4.3	1.3
	1442	17.6	5.4
	2100	4.0	1.2

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

JANUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0618	3.6	1.1	16 Su	0612	8.9	2.7
	1154	39.0	11.9		1142	32.5	9.9
	1848	0.3	0.1		1836	6.2	1.9
2 Su	0030	38.4	11.7	17 M	0012	32.5	9.9
	0706	3.6	1.1		0642	8.5	2.6
	1242	38.4	11.7		1218	32.5	9.9
	1936	0.3	0.1		1906	6.6	2.0
3 M	0118	37.4	11.4	18 Tu	0048	32.5	9.9
	0754	3.9	1.2		0718	8.5	2.6
	1336	37.1	11.3		1254	32.5	9.9
	2024	1.3	0.4		1942	6.9	2.1
4 Tu	0212	36.4	11.1	19 W	0130	32.5	9.9
	0848	5.2	1.6		0754	8.9	2.7
	1424	35.8	10.9		1336	32.2	9.8
	2112	3.0	0.9		2024	7.5	2.3
5 W	0300	35.1	10.7	20 Th	0206	32.2	9.8
	0936	6.6	2.0		0836	9.2	2.8
	1518	34.1	10.4		1418	32.2	9.8
	2206	4.9	1.5		2106	8.5	2.6
6 Th	0354	33.8	10.3	21 F	0254	32.2	9.8
	1024	8.2	2.5		0918	9.8	3.0
	1618	32.8	10.0		1512	31.5	9.6
	2300	6.9	2.1		2154	9.8	3.0
7 F	0454	32.8	10.0	22 Sa	0342	31.8	9.7
	1124	9.5	2.9		1012	10.8	3.3
	1724	31.8	9.7		1612	30.8	9.4
	2354	8.5	2.6		2248	10.8	3.3
8 Sa	0554	32.5	9.9	23 Su	0442	31.5	9.6
	1224	10.2	3.1		1112	11.5	3.5
	1830	31.8	9.7		1718	30.8	9.4
					2354	11.5	3.5
9 Su	0054	9.5	2.9	24 M	0548	31.5	9.6
	0654	32.8	10.0		1224	11.2	3.4
	1336	9.8	3.0		1830	31.2	9.5
	1942	32.2	9.8				
10 M	0200	9.8	3.0	25 Tu	0100	11.5	3.5
	0754	33.1	10.1		0654	32.5	9.9
	1436	8.9	2.7		1336	9.8	3.0
	2042	32.8	10.0		1942	32.8	10.0
11 Tu	0300	9.8	3.0	26 W	0212	10.2	3.1
	0848	33.8	10.3		0800	33.8	10.3
	1536	7.9	2.4		1454	7.5	2.3
	2136	33.5	10.2		2048	34.8	10.6
12 W	0354	9.5	2.9	27 Th	0318	8.2	2.5
	0930	33.8	10.3		0906	35.8	10.9
	1624	6.9	2.1		1554	4.6	1.4
	2218	33.8	10.3		2148	36.4	11.1
13 Th	0436	9.2	2.8	28 F	0418	5.9	1.8
	1006	33.8	10.3		1000	37.4	11.4
	1706	6.6	2.0		1654	2.0	0.6
	2248	33.5	10.2		2242	38.1	11.6
14 F	0518	8.9	2.7	29 Sa	0512	3.9	1.2
	1036	33.1	10.1		1054	38.4	11.7
	1742	6.2	1.9		1748	0.0	0.0
	2312	33.1	10.1		2330	39.0	11.9
15 Sa	0542	8.9	2.7	30 Su	0606	2.6	0.8
	1106	32.8	10.0		1148	39.0	11.9
	1806	6.2	1.9		1830	-0.7	-0.2
	2342	32.8	10.0				
				31 M	0018	39.0	11.9
					0648	2.0	0.6
					1230	39.0	11.9
					1918	-0.7	-0.2

FEBRUARY

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0100	38.7	11.8	16 W	0024	34.8	10.6
	0736	2.3	0.7		0654	5.9	1.8
	1318	38.4	11.7		1242	34.8	10.6
	2000	0.0	0.0		1918	4.9	1.5
2 W	0142	37.7	11.5	17 Th	0106	35.1	10.7
	0818	3.3	1.0		0730	5.9	1.8
	1400	37.1	11.3		1324	35.1	10.7
	2042	2.0	0.6		2000	5.6	1.7
3 Th	0224	36.4	11.1	18 F	0142	35.1	10.7
	0900	5.2	1.6		0812	6.6	2.0
	1442	35.4	10.8		1406	34.8	10.6
	2124	4.6	1.4		2042	6.9	2.1
4 F	0312	35.1	10.7	19 Sa	0224	34.4	10.5
	0936	7.2	2.2		0854	7.9	2.4
	1530	33.5	10.2		1448	33.8	10.3
	2206	7.5	2.3		2124	8.9	2.7
5 Sa	0354	33.5	10.2	20 Su	0312	33.5	10.2
	1018	9.5	2.9		0942	9.5	2.9
	1624	31.5	9.6		1548	32.2	9.8
	2248	10.2	3.1		2218	11.2	3.4
6 Su	0442	31.8	9.7	21 M	0406	32.2	9.8
	1118	11.2	3.4		1042	10.8	3.3
	1736	30.2	9.2		1654	30.8	9.4
	2354	12.5	3.8		2324	12.8	3.9
7 M	0548	30.5	9.3	22 Tu	0518	30.8	9.4
	1254	12.1	3.7		1206	11.5	3.5
	1918	29.9	9.1		1812	30.5	9.3
8 Tu	0124	13.1	4.0	23 W	0048	12.8	3.9
	0706	30.2	9.2		0636	30.8	9.4
	1424	11.2	3.4		1336	10.2	3.1
	2036	30.8	9.4		1936	31.8	9.7
9 W	0242	12.8	3.9	24 Th	0212	11.2	3.4
	0836	30.5	9.3		0754	32.2	9.8
	1518	9.8	3.0		1448	7.5	2.3
	2124	31.5	9.6		2042	34.1	10.4
10 Th	0336	11.5	3.5	25 F	0318	8.5	2.6
	0918	30.8	9.4		0900	34.4	10.5
	1606	8.5	2.6		1548	4.3	1.3
	2200	32.2	9.8		2142	36.4	11.1
11 F	0418	10.5	3.2	26 Sa	0412	5.6	1.7
	0948	31.5	9.6		1000	36.7	11.2
	1642	7.5	2.3		1642	1.6	0.5
	2224	32.5	9.9		2230	38.1	11.6
12 Sa	0448	9.5	2.9	27 Su	0500	3.3	1.0
	1018	31.8	9.7		1048	38.4	11.7
	1712	6.6	2.0		1730	0.0	0.0
	2248	32.8	10.0		2312	39.4	12.0
13 Su	0512	8.5	2.6	28 M	0548	1.6	0.5
	1048	32.5	9.9		1130	39.4	12.0
	1736	5.9	1.8		1812	-1.0	-0.3
	2318	33.5	10.2		2354	39.7	12.1
14 M	0542	7.5	2.3				
	1124	33.5	10.2				
	1806	5.2	1.6				
	2348	34.1	10.4				
15 Tu	0618	6.6	2.0				
	1200	34.1	10.4				
	1842	4.6	1.4				

MARCH

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0630	1.0	0.3	16 W	0548	4.6	1.4
	1212	39.7	12.1		1142	36.1	11.0
	1854	-0.7	-0.2		1812	3.6	1.1
2 W	0036	39.7	12.1	17 Th	0000	37.1	11.3
	0712	1.3	0.4		0630	3.9	1.2
	1254	39.0	11.9		1224	37.1	11.3
	1936	0.3	0.1		1854	3.6	1.1
3 Th	0112	38.7	11.8	18 F	0042	37.7	11.5
	0748	2.3	0.7		0712	3.6	1.1
	1336	37.7	11.5		1306	37.1	11.3
	2012	2.6	0.8		1936	4.6	1.4
4 F	0148	37.7	11.5	19 Sa	0124	37.4	11.4
	0824	4.3	1.3		0754	4.6	1.4
	1412	36.1	11.0		1348	36.4	11.1
	2042	5.2	1.6		2018	6.2	1.9
5 Sa	0224	35.8	10.9	20 Su	0206	36.4	11.1
	0854	6.6	2.0		0836	6.2	1.9
	1454	33.8	10.3		1436	35.1	10.7
	2112	8.2	2.5		2106	8.5	2.6
6 Su	0306	33.8	10.3	21 M	0248	34.8	10.6
	0930	8.9	2.7		0930	8.2	2.5
	1536	31.5	9.6		1530	33.1	10.1
	2154	11.2	3.4		2200	11.2	3.4
7 M	0348	31.5	9.6	22 Tu	0342	32.5	9.9
	1012	11.2	3.4		1030	10.2	3.1
	1630	29.2	8.9		1636	30.8	9.4
	2236	13.8	4.2		2312	13.1	4.0
8 Tu	0442	29.2	8.9	23 W	0454	30.5	9.3
	1106	13.1	4.0		1200	11.2	3.4
	1754	27.9	8.5		1806	30.2	9.2
	2342	15.4	4.7				
9 W	0548	27.6	8.4	24 Th	0048	13.1	4.0
	1354	13.5	4.1		0624	29.9	9.1
	2018	28.5	8.7		1330	9.5	2.9
					1930	31.5	9.6
10 Th	0212	15.1	4.6	25 F	0200	11.2	3.4
	0812	27.6	8.4		0748	31.5	9.6
	1448	12.1	3.7		1436	6.9	2.1
	2100	29.5	9.0		2036	34.1	10.4
11 F	0306	13.5	4.1	26 Sa	0300	8.2	2.5
	0854	28.2	8.6		0854	34.1	10.4
	1530	10.5	3.2		1530	3.9	1.2
	2124	30.2	9.2		2124	36.4	11.1
12 Sa	0336	11.8	3.6	27 Su	0354	5.2	1.6
	0912	29.5	9.0		0942	36.4	11.1
	1600	8.9	2.7		1618	1.6	0.5
	2142	31.5	9.6		2212	38.1	11.6
13 Su	0406	9.8	3.0	28 M	0442	3.0	0.9
	0942	31.2	9.5		1030	38.4	11.7
	1624	7.2	2.2		1706	0.3	0.1
	2212	32.8	10.0		2254	39.4	12.0
14 M	0436	7.9	2.4	29 Tu	0524	1.6	0.5
	1024	32.8	10.0		1112	39.4	12.0
	1700	5.6	1.7		1748	0.0	0.0
	2242	34.4	10.5		2330	40.0	12.2
15 Tu	0512	6.2	1.9	30 W	0606	1.0	0.3
	1100	34.4	10.5		1154	39.4	12.0
	1736	4.3	1.3		1830	0.3	0.1
	2324	36.1	11.0				
				31 Th	0006	39.7	12.1
					0648	1.3	0.4
					1230	38.7	11.8
					1906	1.6	0.5

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL

Day	Time h m	Height ft	Height m
1 F	0042	39.0	11.9
	0724	2.3	0.7
	1306	37.4	11.4
	1942	3.9	1.2
2 Sa	0118	37.7	11.5
	0754	4.3	1.3
	1342	35.8	10.9
	2006	6.6	2.0
3 Su	0148	35.8	10.9
	0824	6.2	1.9
	1424	33.5	10.2
	2036	9.2	2.8
4 M	0224	33.8	10.3
	0854	8.5	2.6
	1500	31.2	9.5
	2112	11.8	3.6
5 Tu	0306	31.2	9.5
	0930	10.8	3.3
	1548	28.9	8.8
	2154	14.1	4.3
6 W	0354	28.5	8.7
	1024	12.8	3.9
	1648	26.9	8.2
	2248	15.7	4.8
7 Th	0448	26.6	8.1
	1130	14.1	4.3
	1818	26.6	8.1
8 F	0006	16.1	4.9
	0606	25.6	7.8
	1324	13.8	4.2
	1936	27.2	8.3
9 Sa	0142	15.1	4.6
	0730	26.6	8.1
	1418	12.1	3.7
	2012	28.9	8.8
10 Su	0230	12.8	3.9
	0824	28.5	8.7
	1500	9.8	3.0
	2054	31.2	9.5
11 M	0312	10.2	3.1
	0906	30.8	9.4
	1536	7.9	2.4
	2130	33.5	10.2
12 Tu	0354	7.5	2.3
	0948	33.5	10.2
	1618	5.9	1.8
	2212	35.8	10.9
13 W	0436	5.2	1.6
	1036	35.8	10.9
	1706	4.3	1.3
	2254	37.4	11.4
14 Th	0524	3.6	1.1
	1118	37.4	11.4
	1748	3.3	1.0
	2336	38.7	11.8
15 F	0606	2.6	0.8
	1200	38.4	11.7
	1830	3.3	1.0
16 Sa	0018	39.0	11.9
	0654	2.3	0.7
	1248	38.4	11.7
	1918	4.3	1.3
17 Su	0100	38.7	11.8
	0742	3.3	1.0
	1330	37.4	11.4
	2006	5.9	1.8
18 M	0142	37.4	11.4
	0830	4.6	1.4
	1424	35.8	10.9
	2054	8.2	2.5
19 Tu	0230	35.1	10.7
	0924	6.9	2.1
	1518	33.5	10.2
	2154	10.5	3.2
20 W	0324	32.5	9.9
	1030	8.5	2.6
	1630	31.5	9.6
	2306	12.1	3.7
21 Th	0442	30.5	9.3
	1154	9.2	2.8
	1800	30.8	9.4
22 F	0030	12.1	3.7
	0618	30.2	9.2
	1312	8.2	2.5
	1912	32.2	9.8
23 Sa	0136	10.5	3.2
	0736	31.8	9.7
	1412	6.2	1.9
	2012	34.1	10.4
24 Su	0236	7.9	2.4
	0836	34.1	10.4
	1506	4.3	1.3
	2100	36.1	11.0
25 M	0330	5.6	1.7
	0924	36.1	11.0
	1554	3.0	0.9
	2142	37.7	11.5
26 Tu	0418	3.9	1.2
	1006	37.4	11.4
	1642	2.0	0.6
	2224	38.7	11.8
27 W	0500	2.6	0.8
	1048	38.1	11.6
	1724	2.0	0.6
	2306	39.4	12.0
28 Th	0542	2.0	0.6
	1130	38.1	11.6
	1806	2.6	0.8
	2342	39.0	11.9
29 F	0624	2.3	0.7
	1206	37.4	11.4
	1842	4.3	1.3
30 Sa	0012	38.1	11.6
	0700	3.3	1.0
	1242	36.4	11.1
	1918	5.9	1.8

MAY

Day	Time h m	Height ft	Height m
1 Su	0048	36.7	11.2
	0736	4.6	1.4
	1318	34.8	10.6
	1942	7.9	2.4
2 M	0118	34.8	10.6
	0800	6.6	2.0
	1354	32.8	10.0
	2012	10.2	3.1
3 Tu	0154	32.8	10.0
	0830	8.2	2.5
	1436	30.8	9.4
	2048	12.1	3.7
4 W	0236	30.5	9.3
	0906	10.2	3.1
	1518	28.9	8.8
	2130	13.8	4.2
5 Th	0318	28.2	8.6
	0954	11.8	3.6
	1606	27.6	8.4
	2218	15.1	4.6
6 F	0412	26.6	8.1
	1048	13.1	4.0
	1712	26.9	8.2
	2318	15.4	4.7
7 Sa	0518	25.9	7.9
	1200	13.1	4.0
	1818	27.2	8.3
8 Su	0024	14.4	4.4
	0630	26.6	8.1
	1306	12.1	3.7
	1912	29.2	8.9
9 M	0130	12.8	3.9
	0736	28.5	8.7
	1400	10.2	3.1
	2006	31.5	9.6
10 Tu	0224	10.2	3.1
	0830	31.2	9.5
	1454	8.2	2.5
	2054	33.8	10.3
11 W	0312	7.5	2.3
	0918	33.8	10.3
	1542	6.6	2.0
	2136	36.1	11.0
12 Th	0406	5.6	1.7
	1006	36.1	11.0
	1636	4.9	1.5
	2224	38.1	11.6
13 F	0500	3.6	1.1
	1054	37.7	11.5
	1724	4.3	1.3
	2312	39.0	11.9
14 Sa	0548	2.3	0.7
	1142	38.7	11.8
	1812	3.9	1.2
	2354	39.4	12.0
15 Su	0642	2.0	0.6
	1230	38.4	11.7
	1906	4.6	1.4
16 M	0042	38.7	11.8
	0730	2.3	0.7
	1318	37.7	11.5
	1954	5.6	1.7
17 Tu	0130	37.4	11.4
	0824	3.3	1.0
	1412	36.1	11.0
	2048	7.2	2.2
18 W	0224	35.4	10.8
	0924	4.6	1.4
	1512	34.1	10.4
	2148	8.9	2.7
19 Th	0318	33.1	10.1
	1024	6.2	1.9
	1618	32.8	10.0
	2254	10.2	3.1
20 F	0436	31.5	9.6
	1136	7.2	2.2
	1736	32.2	9.8
21 Sa	0006	10.5	3.2
	0600	31.2	9.5
	1242	7.2	2.2
	1842	32.8	10.0
22 Su	0106	9.8	3.0
	0706	32.2	9.8
	1336	6.6	2.0
	1936	34.1	10.4
23 M	0206	8.2	2.5
	0806	33.8	10.3
	1436	5.9	1.8
	2030	35.8	10.9
24 Tu	0300	6.6	2.0
	0854	35.1	10.7
	1524	5.2	1.6
	2118	36.7	11.2
25 W	0354	5.2	1.6
	0942	36.1	11.0
	1612	4.9	1.5
	2200	37.7	11.5
26 Th	0442	4.3	1.3
	1030	36.4	11.1
	1700	4.9	1.5
	2236	37.7	11.5
27 F	0524	3.6	1.1
	1112	36.4	11.1
	1742	5.6	1.7
	2312	37.4	11.4
28 Sa	0612	3.6	1.1
	1154	35.8	10.9
	1824	6.6	2.0
	2348	36.4	11.1
29 Su	0648	4.3	1.3
	1224	34.8	10.6
	1900	7.9	2.4
30 M	0024	35.1	10.7
	0724	5.2	1.6
	1300	33.5	10.2
	1930	9.2	2.8
31 Tu	0054	33.5	10.2
	0748	6.6	2.0
	1336	31.8	9.7
	1954	10.5	3.2

JUNE

Day	Time h m	Height ft	Height m
1 W	0130	31.8	9.7
	0818	7.9	2.4
	1412	30.5	9.3
	2030	11.5	3.5
2 Th	0212	30.2	9.2
	0854	9.5	2.9
	1448	29.5	9.0
	2106	12.5	3.8
3 F	0248	28.9	8.8
	0936	10.5	3.2
	1536	28.5	8.7
	2148	13.5	4.1
4 Sa	0336	27.9	8.5
	1024	11.5	3.5
	1630	28.2	8.6
	2242	13.8	4.2
5 Su	0436	27.6	8.4
	1118	11.8	3.6
	1724	28.9	8.8
	2342	13.1	4.0
6 M	0548	27.9	8.5
	1218	11.5	3.5
	1824	30.2	9.2
7 Tu	0042	12.1	3.7
	0654	29.5	9.0
	1318	10.5	3.2
	1924	32.2	9.8
8 W	0142	10.2	3.1
	0754	31.5	9.6
	1412	9.2	2.8
	2018	34.1	10.4
9 Th	0242	8.2	2.5
	0848	33.8	10.3
	1512	7.5	2.3
	2106	36.1	11.0
10 F	0342	5.9	1.8
	0942	35.8	10.9
	1606	6.6	2.0
	2200	37.7	11.5
11 Sa	0436	3.9	1.2
	1036	37.4	11.4
	1706	5.6	1.7
	2248	38.7	11.8
12 Su	0536	2.6	0.8
	1130	38.1	11.6
	1800	4.6	1.4
	2342	39.0	11.9
13 M	0636	1.3	0.4
	1218	38.1	11.6
	1854	4.3	1.3
14 Tu	0030	38.4	11.7
	0730	1.0	0.3
	1312	37.7	11.5
	1948	4.6	1.4
15 W	0124	37.4	11.4
	0818	1.3	0.4
	1406	36.7	11.2
	2042	5.6	1.7
16 Th	0218	36.1	11.0
	0912	2.3	0.7
	1500	35.4	10.8
	2136	6.6	2.0
17 F	0312	34.8	10.6
	1006	3.9	1.2
	1600	34.4	10.5
	2230	7.9	2.4
18 Sa	0418	33.1	10.1
	1106	5.6	1.7
	1700	33.5	10.2
	2330	9.2	2.8
19 Su	0524	32.5	9.9
	1206	6.9	2.1
	1800	33.5	10.2
20 M	0030	9.5	2.9
	0630	32.5	9.9
	1300	7.5	2.3
	1900	33.8	10.3
21 Tu	0130	8.9	2.7
	0730	32.8	10.0
	1400	7.9	2.4
	1954	34.8	10.6
22 W	0236	8.2	2.5
	0830	33.8	10.3
	1454	7.9	2.4
	2048	35.4	10.8
23 Th	0330	6.9	2.1
	0924	34.4	10.5
	1548	7.9	2.4
	2130	35.8	10.9
24 F	0424	5.9	1.8
	1018	34.8	10.6
	1642	7.5	2.3
	2218	35.8	10.9
25 Sa	0512	5.2	1.6
	1100	34.8	10.6
	1730	7.9	2.4
	2254	35.1	10.7
26 Su	0600	4.9	1.5
	1136	34.1	10.4
	1812	8.2	2.5
	2330	34.1	10.4
27 M	0636	4.9	1.5
	1212	33.5	10.2
	1848	8.5	2.6
28 Tu	0000	33.1	10.1
	0712	5.6	1.7
	1242	32.5	9.9
	1912	9.2	2.8
29 W	0036	32.2	9.8
	0736	6.6	2.0
	1312	31.5	9.6
	1942	9.8	3.0
30 Th	0112	31.5	9.6
	0800	7.2	2.2
	1348	30.8	9.4
	2012	10.5	3.2

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

PUNTA LOYOLA, ARGENTINA, 1983

Times and Heights of High and Low Waters

JULY

Day	Time h m	Height ft	Height m
1 F	0148	30.5	9.3
	0836	8.2	2.5
	1424	30.5	9.3
	2048	10.8	3.3
2 Sa	0230	30.2	9.2
	0912	9.2	2.8
	1506	30.5	9.3
	2124	11.5	3.5
3 Su	0312	29.9	9.1
	0954	9.8	3.0
	1548	30.5	9.3
	2212	11.8	3.6
4 M	0406	29.5	9.0
	1042	10.5	3.2
	1642	30.8	9.4
	2306	11.8	3.6
5 Tu	0506	29.9	9.1
	1142	10.8	3.3
	1742	31.5	9.6
6 W	0006	11.5	3.5
	0618	30.5	9.3
	1236	10.8	3.3
	1842	32.5	9.9
7 Th	0106	10.2	3.1
	0718	31.8	9.7
	1342	10.2	3.1
	1942	33.8	10.3
8 F	0212	8.5	2.6
	0824	33.5	10.2
	1448	9.2	2.8
	2042	35.4	10.8
9 Sa	0324	6.6	2.0
	0924	35.1	10.7
	1554	7.5	2.3
	2142	36.7	11.2
10 Su	0430	4.3	1.3
	1024	36.4	11.1
	1654	5.9	1.8
	2236	37.7	11.5
11 M	0530	2.3	0.7
	1118	37.7	11.5
	1754	4.6	1.4
	2330	38.4	11.7
12 Tu	0624	0.3	0.1
	1212	38.1	11.6
	1848	3.6	1.1
13 W	0024	38.4	11.7
	0718	0.0	0.0
	1300	38.1	11.6
	1936	3.3	1.0
14 Th	0112	38.1	11.6
	0806	0.0	0.0
	1348	37.7	11.5
	2024	3.6	1.1
15 F	0206	37.4	11.4
	0854	0.7	0.2
	1436	36.7	11.2
	2112	4.9	1.5
16 Sa	0254	36.1	11.0
	0942	2.6	0.8
	1530	35.8	10.9
	2200	6.6	2.0
17 Su	0348	34.8	10.6
	1030	4.9	1.5
	1618	34.4	10.5
	2248	8.2	2.5
18 M	0448	33.1	10.1
	1118	7.2	2.2
	1712	33.8	10.3
	2348	9.5	2.9
19 Tu	0548	32.2	9.8
	1218	9.2	2.8
	1812	33.1	10.1
20 W	0054	9.8	3.0
	0700	31.8	9.7
	1324	10.2	3.1
	1918	33.1	10.1
21 Th	0206	9.5	2.9
	0812	32.5	9.9
	1430	10.5	3.2
	2018	33.5	10.2
22 F	0312	8.5	2.6
	0912	33.1	10.1
	1530	10.2	3.1
	2112	33.8	10.3
23 Sa	0406	7.2	2.2
	1000	33.5	10.2
	1624	9.5	2.9
	2200	33.5	10.2
24 Su	0454	6.2	1.9
	1048	33.5	10.2
	1712	8.9	2.7
	2236	33.1	10.1
25 M	0536	5.6	1.7
	1118	33.1	10.1
	1748	8.5	2.6
	2312	32.8	10.0
26 Tu	0612	5.6	1.7
	1148	32.8	10.0
	1818	8.5	2.6
	2342	32.2	9.8
27 W	0642	5.9	1.8
	1212	32.2	9.8
	1848	8.5	2.6
28 Th	0018	32.2	9.8
	0706	6.2	1.9
	1242	32.2	9.8
	1912	8.5	2.6
29 F	0054	31.8	9.7
	0736	6.6	2.0
	1318	32.2	9.8
	1948	8.9	2.7
30 Sa	0130	31.8	9.7
	0812	7.2	2.2
	1354	32.2	9.8
	2018	8.9	2.7
31 Su	0206	32.2	9.8
	0848	7.9	2.4
	1436	32.5	9.9
	2100	9.5	2.9

AUGUST

Day	Time h m	Height ft	Height m
1 M	0248	31.8	9.7
	0930	8.9	2.7
	1518	32.5	9.9
	2142	10.2	3.1
2 Tu	0342	31.5	9.6
	1012	10.2	3.1
	1606	32.2	9.8
	2236	10.8	3.3
3 W	0442	31.2	9.5
	1106	11.2	3.4
	1706	32.2	9.8
	2330	11.2	3.4
4 Th	0548	30.8	9.4
	1212	11.5	3.5
	1812	32.2	9.8
5 F	0048	10.5	3.2
	0700	31.5	9.6
	1324	11.5	3.5
	1918	32.8	10.0
6 Sa	0206	9.2	2.8
	0806	32.8	10.0
	1436	9.8	3.0
	2024	34.1	10.4
7 Su	0318	6.6	2.0
	0912	34.8	10.6
	1542	7.9	2.4
	2130	35.8	10.9
8 M	0424	3.9	1.2
	1012	36.4	11.1
	1642	5.6	1.7
	2230	37.4	11.4
9 Tu	0518	1.3	0.4
	1106	37.7	11.5
	1736	3.6	1.1
	2324	38.4	11.7
10 W	0606	0.0	0.0
	1154	38.7	11.8
	1830	2.3	0.7
11 Th	0012	39.0	11.9
	0654	-0.7	-0.2
	1242	38.7	11.8
	1912	2.0	0.6
12 F	0100	38.7	11.8
	0742	-0.3	-0.1
	1324	38.4	11.7
	2000	2.6	0.8
13 Sa	0142	38.1	11.6
	0824	0.7	0.2
	1412	37.7	11.5
	2042	3.9	1.2
14 Su	0230	36.7	11.2
	0906	3.0	0.9
	1454	36.4	11.1
	2124	5.6	1.7
15 M	0318	35.1	10.7
	0948	5.6	1.7
	1536	35.1	10.7
	2206	7.9	2.4
16 Tu	0406	33.1	10.1
	1036	8.5	2.6
	1624	33.5	10.2
	2300	9.5	2.9
17 W	0506	31.8	9.7
	1124	10.8	3.3
	1718	32.2	9.8
18 Th	0018	10.8	3.3
	0630	30.8	9.4
	1242	12.1	3.7
	1830	31.5	9.6
19 F	0148	10.8	3.3
	0800	31.2	9.5
	1412	12.5	3.8
	2000	31.2	9.5
20 Sa	0254	9.5	2.9
	0900	31.8	9.7
	1512	11.5	3.5
	2100	31.5	9.6
21 Su	0348	8.2	2.5
	0942	32.5	9.9
	1600	10.5	3.2
	2142	31.8	9.7
22 M	0430	7.2	2.2
	1018	32.5	9.9
	1642	9.5	2.9
	2212	31.8	9.7
23 Tu	0506	6.6	2.0
	1042	32.5	9.9
	1712	8.9	2.7
	2242	32.2	9.8
24 W	0536	6.2	1.9
	1106	32.8	10.0
	1736	8.2	2.5
	2312	32.5	9.9
25 Th	0600	5.9	1.8
	1142	33.1	10.1
	1806	7.5	2.3
	2348	32.8	10.0
26 F	0630	5.6	1.7
	1212	33.5	10.2
	1842	7.2	2.2
27 Sa	0030	33.5	10.2
	0706	5.9	1.8
	1248	33.8	10.3
	1918	6.9	2.1
28 Su	0106	33.8	10.3
	0742	6.2	1.9
	1330	34.1	10.4
	1954	7.2	2.2
29 M	0148	33.8	10.3
	0824	7.2	2.2
	1406	34.1	10.4
	2036	7.9	2.4
30 Tu	0230	33.5	10.2
	0900	8.5	2.6
	1448	33.8	10.3
	2118	8.9	2.7
31 W	0318	32.8	10.0
	0948	10.2	3.1
	1536	32.8	10.0
	2212	10.2	3.1

SEPTEMBER

Day	Time h m	Height ft	Height m
1 Th	0418	31.5	9.6
	1048	11.8	3.6
	1636	31.8	9.7
	2318	10.8	3.3
2 F	0530	30.8	9.4
	1154	12.5	3.8
	1748	31.5	9.6
3 Sa	0042	10.5	3.2
	0648	31.2	9.5
	1318	11.8	3.6
	1906	31.8	9.7
4 Su	0206	8.5	2.6
	0800	32.8	10.0
	1436	9.8	3.0
	2024	33.5	10.2
5 M	0312	5.9	1.8
	0906	34.8	10.6
	1536	7.2	2.2
	2124	35.8	10.9
6 Tu	0406	3.0	0.9
	1000	36.7	11.2
	1630	4.6	1.4
	2218	37.4	11.4
7 W	0500	1.0	0.3
	1048	38.4	11.7
	1718	3.0	0.9
	2306	38.7	11.8
8 Th	0548	0.0	0.0
	1130	39.0	11.9
	1806	1.6	0.5
	2354	39.4	12.0
9 F	0630	-0.3	-0.1
	1218	39.4	12.0
	1848	1.6	0.5
10 Sa	0036	39.0	11.9
	0712	0.3	0.1
	1254	38.7	11.8
	1930	2.3	0.7
11 Su	0118	38.1	11.6
	0754	2.0	0.6
	1336	38.1	11.6
	2012	3.6	1.1
12 M	0200	36.7	11.2
	0836	4.3	1.3
	1412	36.4	11.1
	2048	5.6	1.7
13 Tu	0242	34.8	10.6
	0912	7.2	2.2
	1454	34.8	10.6
	2130	7.9	2.4
14 W	0330	32.8	10.0
	0948	9.8	3.0
	1536	32.8	10.0
	2212	9.8	3.0
15 Th	0424	30.8	9.4
	1030	12.1	3.7
	1630	30.8	9.4
	2318	11.5	3.5
16 F	0612	29.5	9.0
	1148	13.8	4.2
	1736	29.2	8.9
17 Sa	0124	11.5	3.5
	0742	29.9	9.1
	1342	13.8	4.2
	1948	29.2	8.9
18 Su	0224	10.5	3.2
	0836	30.8	9.4
	1442	12.5	3.8
	2036	29.9	9.1
19 M	0312	9.5	2.9
	0912	31.2	9.5
	1524	11.2	3.4
	2106	30.2	9.2
20 Tu	0348	8.5	2.6
	0936	31.8	9.7
	1554	9.8	3.0
	2136	31.2	9.5
21 W	0412	7.5	2.3
	0954	32.5	9.9
	1618	8.9	2.7
	2206	32.2	9.8
22 Th	0442	6.6	2.0
	1030	33.5	10.2
	1654	7.5	2.3
	2242	33.1	10.1
23 F	0518	5.9	1.8
	1100	34.4	10.5
	1730	6.6	2.0
	2318	34.1	10.4
24 Sa	0554	5.2	1.6
	1142	35.4	10.8
	1806	5.9	1.8
25 Su	0000	35.1	10.7
	0636	5.2	1.6
	1218	35.8	10.9
	1848	5.6	1.7
26 M	0042	35.4	10.8
	0712	5.9	1.8
	1300	36.1	11.0
	1930	5.9	1.8
27 Tu	0124	35.4	10.8
	0800	6.9	2.1
	1342	35.4	10.8
	2018	6.6	2.0
28 W	0212	34.4	10.5
	0842	8.5	2.6
	1424	34.4	10.5
	2100	8.2	2.5
29 Th	0300	33.1	10.1
	0930	10.5	3.2
	1512	32.8	10.0
	2200	9.5	2.9
30 F	0406	31.5	9.6
	1036	12.1	3.7
	1618	31.2	9.5
	2318	10.5	3.2

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Sa	0524	30.5	9.3	16 Su	0030	12.5	3.8
	1200	12.8	3.9		0712	28.5	8.7
	1742	30.5	9.3		1248	14.8	4.5
					1830	27.2	8.3
2 Su	0048	9.5	2.9	17 M	0130	11.8	3.6
	0648	31.5	9.6		0748	28.9	8.8
	1318	11.2	3.4		1342	13.5	4.1
	1906	31.5	9.6		1942	27.9	8.5
3 M	0154	7.2	2.2	18 Tu	0212	10.8	3.3
	0754	33.5	10.2		0812	29.9	9.1
	1424	8.9	2.7		1418	12.1	3.7
	2018	33.8	10.3		2012	29.2	8.9
4 Tu	0254	4.6	1.4	19 W	0242	9.5	2.9
	0848	35.4	10.8		0836	31.2	9.5
	1518	6.2	1.9		1454	10.2	3.1
	2112	36.1	11.0		2048	30.8	9.4
5 W	0348	2.6	0.8	20 Th	0318	8.2	2.5
	0936	37.4	11.4		0912	32.8	10.0
	1606	3.9	1.2		1530	8.5	2.6
	2200	37.7	11.5		2130	32.5	9.9
6 Th	0436	1.0	0.3	21 F	0354	6.9	2.1
	1024	38.7	11.8		0948	34.4	10.5
	1654	2.6	0.8		1612	6.9	2.1
	2242	38.7	11.8		2212	34.4	10.5
7 F	0524	0.7	0.2	22 Sa	0436	5.9	1.8
	1106	39.4	12.0		1030	36.1	11.0
	1742	2.0	0.6		1654	5.6	1.7
	2330	39.0	11.9		2254	35.8	10.9
8 Sa	0606	1.0	0.3	23 Su	0518	5.2	1.6
	1148	39.4	12.0		1106	37.1	11.3
	1824	2.0	0.6		1736	4.6	1.4
					2336	36.7	11.2
9 Su	0012	38.7	11.8	24 M	0606	5.2	1.6
	0648	2.0	0.6		1148	37.4	11.4
	1224	38.7	11.8		1824	4.3	1.3
	1906	2.6	0.8				
10 M	0048	37.4	11.4	25 Tu	0018	36.7	11.2
	0724	3.9	1.2		0648	5.9	1.8
	1300	37.7	11.5		1230	37.4	11.4
	1942	4.3	1.3		1912	4.6	1.4
11 Tu	0130	35.8	10.9	26 W	0106	36.4	11.1
	0800	6.2	1.9		0736	6.9	2.1
	1336	36.1	11.0		1318	36.4	11.1
	2018	5.9	1.8		2000	5.6	1.7
12 W	0212	33.8	10.3	27 Th	0154	35.1	10.7
	0836	8.9	2.7		0830	8.5	2.6
	1418	34.1	10.4		1406	34.8	10.6
	2054	7.9	2.4		2054	6.9	2.1
13 Th	0254	31.8	9.7	28 F	0248	33.1	10.1
	0912	11.2	3.4		0924	10.2	3.1
	1500	31.8	9.7		1500	32.8	10.0
	2136	10.2	3.1		2200	8.5	2.6
14 F	0348	29.9	9.1	29 Sa	0354	31.8	9.7
	0954	13.1	4.0		1036	11.5	3.5
	1548	29.5	9.0		1612	31.2	9.5
	2230	11.8	3.6		2318	8.9	2.7
15 Sa	0500	28.2	8.6	30 Su	0518	31.2	9.5
	1054	14.4	4.4		1154	11.5	3.5
	1648	27.6	8.4		1742	30.5	9.3
				31 M	0036	8.2	2.5
					0636	32.2	9.8
					1300	10.2	3.1
					1900	32.2	9.8

NOVEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Tu	0136	6.2	1.9	16 W	0054	11.8	3.6
	0736	33.8	10.3		0700	29.2	8.9
	1400	8.2	2.5		1312	12.5	3.8
	2000	34.1	10.4		1918	28.5	8.7
2 W	0230	4.6	1.4	17 Th	0142	10.5	3.2
	0830	35.8	10.9		0748	31.2	9.5
	1454	5.9	1.8		1400	10.5	3.2
	2054	36.1	11.0		2006	30.8	9.4
3 Th	0324	3.3	1.0	18 F	0230	8.9	2.7
	0912	37.7	11.5		0830	33.1	10.1
	1542	4.3	1.3		1448	8.5	2.6
	2136	37.7	11.5		2054	33.1	10.1
4 F	0412	2.3	0.7	19 Sa	0312	7.2	2.2
	1000	38.7	11.8		0912	35.4	10.8
	1630	3.0	0.9		1536	6.6	2.0
	2224	38.4	11.7		2142	35.1	10.7
5 Sa	0454	2.3	0.7	20 Su	0400	6.2	1.9
	1036	39.0	11.9		0954	37.1	11.3
	1718	2.6	0.8		1624	4.9	1.5
	2306	38.4	11.7		2224	36.7	11.2
6 Su	0542	3.0	0.9	21 M	0448	5.6	1.7
	1118	39.0	11.9		1042	38.1	11.6
	1800	2.6	0.8		1712	3.9	1.2
	2348	37.7	11.5		2312	37.4	11.4
7 M	0624	4.3	1.3	22 Tu	0542	5.2	1.6
	1154	38.1	11.6		1130	38.4	11.7
	1842	3.3	1.0		1806	3.3	1.0
8 Tu	0024	36.4	11.1	23 W	0000	37.7	11.5
	0700	5.9	1.8		0636	5.6	1.7
	1230	36.7	11.2		1212	38.1	11.6
	1924	4.6	1.4		1900	3.3	1.0
9 W	0106	34.8	10.6	24 Th	0048	36.7	11.2
	0736	7.9	2.4		0724	6.2	1.9
	1306	35.1	10.7		1300	36.7	11.2
	2000	6.2	1.9		1954	3.9	1.2
10 Th	0142	33.1	10.1	25 F	0142	35.8	10.9
	0806	9.8	3.0		0818	7.5	2.3
	1342	32.8	10.0		1354	35.1	10.7
	2036	8.2	2.5		2054	4.9	1.5
11 F	0224	31.2	9.5	26 Sa	0242	34.1	10.4
	0842	11.5	3.5		0918	8.9	2.7
	1424	30.8	9.4		1454	33.5	10.2
	2112	9.8	3.0		2154	6.2	1.9
12 Sa	0312	29.2	8.9	27 Su	0348	32.5	9.9
	0924	13.1	4.0		1024	9.8	3.0
	1512	28.5	8.7		1606	31.8	9.7
	2154	11.5	3.5		2306	6.9	2.1
13 Su	0406	27.9	8.5	28 M	0500	32.2	9.8
	1018	14.4	4.4		1130	10.2	3.1
	1606	26.9	8.2		1724	31.5	9.6
	2300	12.5	3.8				
14 M	0512	27.2	8.3	29 Tu	0006	6.9	2.1
	1118	14.8	4.5		0606	32.5	9.9
	1718	26.2	8.0		1236	9.5	2.9
					1836	32.5	9.9
15 Tu	0000	12.5	3.8	30 W	0112	6.6	2.0
	0612	27.6	8.4		0706	33.8	10.3
	1218	14.1	4.3		1336	8.2	2.5
	1824	26.9	8.2		1936	33.8	10.3

DECEMBER

Day	Time h m	Height ft	Height m	Day	Time h m	Height ft	Height m
1 Th	0206	5.6	1.7	16 F	0054	11.5	3.5
	0800	35.4	10.8		0700	30.8	9.4
	1430	6.6	2.0		1318	11.2	3.4
	2030	35.4	10.8		1930	30.8	9.4
2 F	0300	4.9	1.5	17 Sa	0148	10.2	3.1
	0848	36.7	11.2		0748	33.1	10.1
	1524	5.2	1.6		1412	8.9	2.7
	2118	36.7	11.2		2024	33.1	10.1
3 Sa	0348	4.6	1.4	18 Su	0242	8.5	2.6
	0936	37.7	11.5		0842	35.1	10.7
	1612	4.3	1.3		1506	6.9	2.1
	2206	37.1	11.3		2112	35.1	10.7
4 Su	0436	4.6	1.4	19 M	0336	7.2	2.2
	1018	38.1	11.6		0930	37.1	11.3
	1700	3.6	1.1		1606	4.9	1.5
	2248	37.1	11.3		2206	36.7	11.2
5 M	0518	5.2	1.6	20 Tu	0430	5.9	1.8
	1054	38.1	11.6		1018	38.1	11.6
	1748	3.3	1.0		1700	3.3	1.0
	2330	36.7	11.2		2254	37.7	11.5
6 Tu	0606	5.9	1.8	21 W	0530	5.2	1.6
	1130	37.1	11.3		1112	38.7	11.8
	1830	3.6	1.1		1800	2.3	0.7
					2348	38.1	11.6
7 W	0012	35.4	10.8	22 Th	0624	4.6	1.4
	0642	6.9	2.1		1200	38.4	11.7
	1206	35.8	10.9		1854	1.6	0.5
	1912	4.6	1.4				
8 Th	0048	34.1	10.4	23 F	0042	37.7	11.5
	0718	8.2	2.5		0718	4.6	1.4
	1242	34.1	10.4		1254	37.7	11.5
	1948	5.9	1.8		1948	1.6	0.5
9 F	0124	32.5	9.9	24 Sa	0136	36.7	11.2
	0748	9.5	2.9		0812	5.2	1.6
	1318	32.2	9.8		1348	36.4	11.1
	2018	7.5	2.3		2042	2.6	0.8
10 Sa	0200	30.8	9.4	25 Su	0230	35.4	10.8
	0824	11.2	3.4		0906	6.2	1.9
	1400	30.2	9.2		1442	34.8	10.6
	2048	9.2	2.8		2136	3.9	1.2
11 Su	0242	29.5	9.0	26 M	0324	34.1	10.4
	0900	12.1	3.7		1000	7.9	2.4
	1442	28.5	8.7		1548	33.5	10.2
	2124	10.8	3.3		2236	5.6	1.7
12 M	0324	28.2	8.6	27 Tu	0424	33.1	10.1
	0942	13.5	4.1		1100	8.9	2.7
	1530	27.6	8.4		1654	32.5	9.9
	2212	11.8	3.6		2336	6.9	2.1
13 Tu	0412	27.9	8.5	28 W	0530	32.8	10.0
	1030	13.8	4.2		1206	9.5	2.9
	1630	26.9	8.2		1806	32.5	9.9
	2306	12.5	3.8				
14 W	0512	27.9	8.5	29 Th	0036	7.9	2.4
	1124	13.8	4.2		0630	33.1	10.1
	1730	27.2	8.3		1306	9.2	2.8
					1906	33.1	10.1
15 Th	0000	12.1	3.7	30 F	0136	7.9	2.4
	0606	29.2	8.9		0730	34.1	10.4
	1224	12.8	3.9		1406	8.2	2.5
	1830	28.5	8.7		2012	34.1	10.4
				31 Sa	0236	7.5	2.3
					0824	35.4	10.8
					1506	6.6	2.0
					2100	35.1	10.7

Time meridian 45° W. 0000 is midnight. 1200 is noon.
Heights are referred to the chart datum of soundings.

TABLE 2.—TIDAL DIFFERENCES AND OTHER CONSTANTS

EXPLANATION OF TABLE

The publication of full daily predictions is necessarily limited to a comparatively small number of stations. Tide predictions for many other places, however, can be obtained by applying certain differences to the predictions for the reference stations in table 1. The following pages list the places called "subordinate stations" for which such predictions can be made and the differences or ratios to be used. These differences or ratios are to be applied to the predictions for the proper reference station which is listed in table 2 in bold face type above the differences for the subordinate station. The stations in this table are arranged in geographical order. The index at the end of this volume will assist in locating a particular station.

Caution.—The time and height differences listed in table 2 are average differences derived from comparisons of simultaneous tide observations at the subordinate location and its reference station. Because these figures are constant, they cannot provide for the daily variances of the actual tide. Therefore, it must be realized that although the application of the time and height differences will generally provide reasonably accurate approximations, they cannot result in as accurate predictions as those for the reference stations which are based upon much longer periods of analyses and which do provide for daily variances. In addition, at subordinate stations where the tide is chiefly diurnal, the tide correctors are intended primarily to be used to approximate the times and heights of the higher high and the lower low waters. When the lower high water and higher low water at the reference station are nearly the same height, great reliance should not be placed on the calculated corresponding tides at the subordinate station.

Time difference.—To determine the time of high water or low water at any station listed in this table there is given in the columns headed "Differences, Time" the hours and minutes to be added to or subtracted from the time of high or low water at some reference station. A plus (+) sign indicates that the tide at the subordinate station is later than at the reference station and the difference should be added, a minus (—) sign that it is earlier and should be subtracted.

To obtain the tide at a subordinate station on any date apply the difference to the tide at the reference station for that same date. In some cases, however, to obtain an a. m. tide it may be necessary to use the preceding day's p. m. tide at the reference station, or to obtain a p. m. tide it may be necessary to use the following day's a. m. tide. For example, if a high water occurs at a reference station at 2200 on July 2, and the tide at the subordinate station occurs 3 hours later, then high water will occur at 0100 on July 3 at the subordinate station. For the second case, if a high water at a reference station occurs at 0200 on July 17, and the tide at the subordinate station occurs 5 hours earlier, the high water at the subordinate station will occur at 2100 on July 16. The necessary allowance for change in date when the international date line is crossed is included in the time differences. In such cases use the same date at the reference station as desired for the subordinate station as explained above.

The results obtained by the application of the time differences will be in the kind of time indicated by the time meridian shown above the name of the subordinate station. Summer or daylight saving time is not used in the tide tables.

Height differences.—The height of the tide, referred to the datum of charts, is obtained by means of the height differences or ratios. A plus (+) sign indicates that the difference should be added to the height at the reference station and a minus (—) sign that it should be subtracted. All height differences, ranges, and levels in table 2 are in feet but may be converted to meters by the use of table 7.

Ratio.—For some stations height differences would give unsatisfactory predictions. In such cases they have been omitted and one or two ratios are given. Where two ratios are given, one in the "height of high water" column and one in the "height of low water" column, the high waters and low waters at the reference station should be multiplied by these respective ratios. Where only one is given, the omitted ratio is either unreliable or unknown.

For some subordinate stations there is given in parentheses a ratio as well as a correction in feet. In those instances, each predicted high and low water at the reference station should first be multiplied by the ratio and then the correction in feet is to be added to or subtracted from each product as indicated.

As an example, at Port of Spain, Trinidad, the values in the time and height difference columns in Table 2 are given as —0 44, —1 12, and (*0.31+1.4) as referred to the reference station at Punta Gorda, Venezuela. If we assume that the time predictions in column (1) below are those of Punta Gorda on a particular day, application of the time and height corrections in columns (2) and (3) would result in the tide predictions for Port of Spain in column (4).

(1)		(2)	(3)	(4)		
Time h.m.	Height ft	Time Corrections h.m.	Height Corrections	Time h.m.	Height ft	Height meters
0326	0.6	—1 12	×0.31+1.4	0214	1.6	0.5
0900	5.1	—0 44	×0.31+1.4	0816	3.0	0.9
1608	—0.3	—1 12	×0.31+1.4	1456	1.3	0.4
2148	5.4	—0 44	×0.31+1.4	2104	3.1	0.9

Range.—The *mean range* is the difference in height between mean high water and mean low water. The *spring range* is the average semidiurnal range occurring semimonthly as the result of the Moon being new or full. It is larger than the mean range where the type of tide is either semidiurnal or mixed, and is of no practical significance where the type of tide is diurnal. Where the tide is chiefly of the diurnal type the table gives the *diurnal range,* which is the difference in height between mean higher high water and mean lower low water.

Datum.—The datum of the predictions obtained through the height differences or ratios is also the datum of the largest scale chart for the locality. To obtain the depth at the time of high or low water, the predicted height should be added to the depth on the chart unless such height is negative (—), when it should be subtracted. To find the height at times between high and low water see table 3. On some charts the depths are given in meters and in such cases the heights of the tide can be reduced to meters by the use of table 7. The chart datum for the Atlantic Coast of the United States and for a part of the West Indies is *mean low water.* For the rest of the area covered by these tables the datums generally used are approximately *mean low water, mean low water springs, Gulf Coast Low Water Datum, mean lower low water, Indian spring low water, or the lowest possible low water.*

Mean Tide Level (Half Tide Level).—The mean tide level is a plane midway between mean low water and mean high water. Tabular values are reckoned from chart datum.

NOTE.—Dashes are entered in the place of data which are unknown, unreliable, or not applicable.

Mean Lower Low Water

Effective November 28, 1980, the term Mean Lower Low Water (MLLW) began to replace the term Gulf Coast Low Water Datum (GCLWD) as chart datum on nautical charts, bathymetric maps, and in the Tide Tables and Coast Pilots of the National Ocean Survey covering the Gulf Coast of the United States.

The area affected by this action extends from the International Border between the United States and Mexico, then easterly along the Gulf Coast of the United States to the southeast corner of Florida, including the Florida Keys.

More specifically, the boundary between the datum of Mean Low Water of the Atlantic Coast and the datum of Mean Lower Low Water of the Gulf Coast is defined as extending:

a. from the intersection of the most westerly segment of the southern boundary of the Biscayne National Monument and the land (just south of Mangrove Point);
b. along the southwest segments of the southern boundary of the Monument to Old Rhodes Point on the southeast corner of Old Rhodes Key;
c. then from Old Rhodes Point to the northwest corner of the John Pennekamp Coral Reef State Park;
d. along the land of the northwestern boundary of the Park (with the exception of the coastal indentations of Largo Sound) to the southwest corner (just southwest of Rock Harbor); and
e. then from the southwest corner of the John Pennekamp Coral Reef State Park along its southwestern boundary and continuing straight out to sea just south of and beyond Molasses Reef.

Appropriate content changes have been made in this tide table to conform to the newly defined chart datum.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	ARCTIC ARCHIPELAGO			on HAMPTON ROADS, p.88						
	Time meridian, local									
1	Princess Royal Islands	72 45	117 45	+3 14	+3 32	+0.1	+0.3	2.3	3.0	1.4
3	Mercy Bay, Banks Island	74 07	118 15	+4 05	+4 05	*0.72	*0.72	1.6	2.0	1.0
5	Winter Harbour, Melville Island	74 47	110 48	+4 44	+4 40	+0.3	+0.3	2.5	3.2	1.6
7	Bridport Inlet, Melville Island	74 56	108 49	+4 33	+4 33	+1.4	+1.1	2.8	4.1	2.5
9	Byam Martin Island	75 10	103 34	+3 42	+3 42	+1.9	+1.6	2.8	3.7	3.0
11	Cambridge Bay, Dease Strait	69 07	105 07	+2 35	+2 30	-0.3	+1.2	1.0	1.3	1.7
	Time Meridian, 75°W			on HARRINGTON HARBOUR, p.12						
13	Igloolik, Fury and Hecla Strait	69 21	81 37	+9 12	+9 12	+1.6	+0.8	4.6	6.0	4.7
14	Hall Beach, Foxe Basin	68 45	81 13	+9 45	+10 15	(*0.45+0.5)		1.7	2.0	2.1
	Time meridian, local									
15	Port Kennedy, Bellot Strait	72 01	94 12	+1 35	+1 44	+0.5	+0.8	3.5	4.5	4.2
17	Port Bowen, Prince Regent Inlet	73 14	88 55	+1 01	+1 06	+0.9	+1.3	3.4	4.5	4.6
19	Port Leopold, Prince Regent Inlet	73 48	90 15	+0 50	+0 45	+0.9	+0.1	4.6	5.9	4.0
21	Beechy Island, Barrow Strait	74 43	91 54	+1 30	+1 35	+1.0	-0.1	4.9	6.4	4.0
23	Assistance Bay, Barrow Strait	74 37	94 15	+1 56	+1 57	-0.1	+0.6	3.1	4.1	3.8
25	Griffith Island, Barrow Strait	74 35	95 30	+2 12	+2 13	-0.3	+0.5	3.0	3.9	3.6
27	Refuge Cove, Wellington Channel	75 31	92 10	+1 23	+1 38	+0.6	+0.2	4.2	5.5	3.9
29	Penny Strait	76 52	97 00	+1 53	+2 03	*0.39	*0.38	1.5	1.9	1.4
				on HAMPTON ROADS, p.88						
31	Cape Columbia, Lincoln Sea	83 14	69 55	-0 55	-0 55	*0.36	*0.36	0.8	1.1	0.5
32	Alert, Lincoln Sea	82 30	62 20	+1 26	+1 17	-0.2	+0.7	1.6	2.2	1.5
33	Cape Sheridan, Lincoln Sea	82 29	61 30	+1 37	+1 28	-0.4	+0.3	1.8	2.5	1.2
35	Cape Bryant, North Greenland	82 21	55 30	+3 33	+3 35	*0.52	*0.52	1.1	1.5	0.7
37	Cape Morris Jesup, North Greenland	83 40	34 15	+1 51	+1 43	*0.20	*0.20	0.4	0.6	0.3
	GREENLAND, East Coast			on HARRINGTON HARBOUR, p.12						
39	Danmarks Havn	76 46	18 46	-12 41	-12 32	-0.8	-0.6	3.6	4.7	2.8
41	Cape Borgen	75 26	18 05	-11 04	-11 03	*0.80	*0.81	3.0	3.9	2.8
43	Lille Pendulum	74 37	18 29	-11 40	-11 39	*0.80	*0.81	3.0	4.0	2.8
45	Finsch Islands	73 59	21 08	-12 18	-12 18	*0.81	*0.75	3.2	4.3	2.8
47	Myggbukta, Foster Bay	73 28	21 33	-11 57	-12 00	-0.9	-0.5	3.4	4.4	2.8
49	Blomsterbugten	73 21	25 17	-12 15	-12 27	-0.4	-0.3	3.7	4.8	3.2
	Time meridian, 30°W									
51	Danmarks Island, Scoresby Sound	70 27	26 12	-11 45	-11 45	*0.63	*0.62	2.4	3.3	2.2
	Time meridian, 45°W									
53	Angmagssalik (Kulusuk)	65 36	37 09	-7 00	-6 50	(*1.71-0.8)		6.5	8.8	5.2
				on ARGENTIA, p.4						
55	Finnsbu	63 24	41 17	-4 09	-3 42	+0.8	-0.4	6.1	8.1	4.6
57	Kap Farvel	59 45	43 53	-2 21	-1 53	+0.2	-0.9	6.0	8.0	4.0
	GREENLAND, West Coast									
59	Frederiksdal	60 00	44 40	-2 10	-1 41	+1.5	-0.7	7.1	9.5	4.7
61	Nanortalik	60 07	45 15	-2 43	-2 16	+0.5	-0.9	6.3	8.4	4.2
63	Julianehaab	60 43	46 01	-2 09	-1 46	+0.3	-0.9	6.1	8.0	4.0
65	Narsarssuaq	61 08	45 25	-2 15	-1 46	+1.8	+0.1	6.6	8.6	5.3
67	Ivigtut, Arsuk Fjord	61 12	48 11	-1 49	-1 24	+0.7	-0.9	6.5	8.6	4.3
69	Frederikshaab	62 00	49 43	-1 22	-1 00	+3.0	-0.6	8.5	11.1	5.6
71	Godthaab	64 10	51 44	-1 21	-0 46	(*2.00-2.1)		9.8	13.0	6.5
73	Fishmaster's Hbr., Sondre Stromfjord	66 01	53 29	-1 41	-1 16	+3.6	-0.1	8.6	10.2	6.1
74	Camp Lloyd, Sondre Stromfjord	66 58	50 57	+2 21	+2 51	+1.7	-1.1	7.7	9.4	4.7
75	Holsteinsborg	66 56	53 42	-1 29	-1 00	+2.0	-0.8	7.7	10.0	5.0
77	Camp Michigan, Maligiak Fjord	66 56	52 37	-0 22	+0 10	+2.2	-0.8	7.9	10.2	5.1
				on HARRINGTON HARBOUR, p.12						
79	Aningaq, Rifkol	67 55	53 50	-1 42	-1 42	+1.0	-0.8	5.6	7.4	3.6
81	Nunarssuaq, Kronprinsens Ejlanden	68 59	53 21	-0 48	-0 52	-0.5	-0.9	4.2	5.7	2.8
83	Godhavn, Disko Island	69 15	53 33	-1 37	-1 32	-0.4	-0.9	4.3	5.7	2.9
85	Ingnerit, Umanak Fjord	71 00	51 00	0 00	0 00	-1.6	-1.1	3.3	4.3	2.2
	Time meridian, local									
87	North Star Bay, Wolstenholme Fjord	76 32	68 50	+0 30	+0 32	*1.33	*1.12	5.4	7.0	4.5
89	Port Foulke	78 18	72 45	+0 28	+0 26	(*2.08-0.8)		7.9	10.7	6.5
91	Rensselaer Bugt	78 37	70 53	+1 05	+0 58	(*2.08-1.1)		7.9	10.8	6.2
93	Thank God Harbor, Polaris Bugt	81 36	61 40	+1 34	+1 31	-0.3	-0.4	3.9	5.4	3.2

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	BAFFIN BAY, etc., West Side Time meridian, local			on HALIFAX, p.20						
94	Fort Conger, Discovery Harbor.....	81 44	64 44	+3 48	+3 25	-1.4	-1.3	4.3	5.9	3.0
95	Cape Lawrence.....	80 21	69 15	+3 46	+3 40	-0.2	-1.3	5.5	7.2	3.6
96	Payer Harbour, Cape Sabine.....	78 43	74 25	+3 36	+3 30	+1.7	-0.9	7.0	9.4	4.7
97	Cape Adair.....	71 33	71 30	+3 06	+3 06	+0.4	-1.2	6.0	7.8	3.9
98	Cape Hewett.....	70 16	67 47	+2 56	+2 56	+0.6	-0.5	5.5	7.2	4.4
	DAVIS STRAIT, West Side Time meridian, 60°W			on PICTOU, p.8						
107	Cape Hooper, Baffin Island.....	68 23	66 45	-5 52	-5 41	*0.47	*0.43	1.6	1.9	1.8
109	Kivitoo, Baffin Island.....	67 56	64 56	-5 17	-5 10	*0.51	*0.43	1.8	2.4	1.9
				on ST. JOHN, N. B., p.24						
110	Cape Dyer, Baffin Island.....	66 34	61 40	-6 19	-6 21	*0.31	*0.45	5.8	7.3	4.7
111	Clearwater Fiord, Cumberland Sound.....	66 36	67 20	-5 36	-5 38	-5.5	-0.6	15.9	20.6	11.4
113	Frobisher Bay.....	63 29	68 02	-4 13	-4 15	+5.5	+3.3	23.0	29.8	18.8
	HUDSON STRAIT and BAY									
114	Pikyulik Island, Payne River.....	60 00	69 55	-2 15	-1 54	+3.7	+3.2	21.3	26.8	17.9
	Time meridian, 75°W									
115	Sorry Harbor, Resolution Island.....	61 37	64 44	-5 30	-5 30	-8.3	-0.9	13.4	17.6	9.8
117	Lower Savage Islands.....	61 46	65 51	-4 46	-4 55	-1.2	+2.0	17.6	25.4	14.8
119	Ashe Inlet, Big Island.....	62 33	70 35	-3 46	-3 43	+4.2	+2.2	22.8	30.9	17.6
121	Schooner Harbour, Baffin Island.....	64 24	77 52	-0 49	-0 44	-6.2	+0.4	14.2	18.9	11.5
123	Winter Island, Foxe Basin.....	66 11	83 10	+1 02	+1 10	-12.1	-0.8	9.5	12.4	8.0
	Time meridian, 90°W									
124	Coral Harbour, Southampton Island.....	64 08	83 10	-0 25	+0 04	-14.4	-1.5	7.9	10.3	6.5
125	Chesterfield Inlet.....	63 20	90 42	-8 17	-8 20	-12.4	-0.8	9.2	11.8	7.8
126	Churchill.....	58 47	94 12	-4 25	-4 36	-11.5	-1.4	10.7	13.4	7.9
				on QUEBEC, p.16						
127	Port Nelson, Nelson River entrance.....	57 05	92 36	+3 56	+4 35	-3.1	-0.9	11.5	12.9	6.4
	Time meridian, 75°W									
128	Moosonee, James Bay.....	51 17	80 38	+9 29	+9 32	*0.48	*1.81	4.5	5.4	5.2
129	Moose Factory, James Bay.....	51 16	80 35	+9 33	+10 37	*0.42	*1.56	4.0	5.4	4.5
130	Charlton Island, James Bay.....	51 57	79 16	+8 00	+6 38	*0.39	*1.06	4.3	5.3	3.9
				on ST. JOHN, N. B., p.24						
131	Digges Harbour.....	62 30	77 42	-2 11	-2 05	*0.39	*0.62	7.1	9.3	6.1
133	Port de Boucherville, Nottingham Island.	63 12	77 28	-2 07	-2 02	-11.6	-1.2	10.4	14.0	8.0
135	Wakeham Bay.....	61 43	71 57	-3 52	-3 55	-0.4	+2.2	18.2	27.0	15.3
137	Stupart Bay.....	61 35	71 32	-4 10	-4 17	0.0	+2.4	18.4	27 2	15.6
139	Diana Bay.....	60 52	70 04	-4 00	-4 03	+2.8	+3.1	20.5	26.8	17.4
140	Hopes Advance Bay, Ungava Bay.....	59 21	69 38	-3 59	-4 00	*1.44	*2.20	27.0	34.4	22.3
141	Leaf Bay, Ungava Bay.....	58 55	69 00	-4 00	-4 00	*1.49	*2.25	28.0	36.0	23.0
143	Leaf Lake, Ungava Bay.....	58 45	69 40	-3 00	-3 00	(*1.54+5.8)		32.0	40.0	28.0
145	Koksoak River entrance.....	58 32	68 11	-3 50	-3 53	*1.47	*2.00	28.5	36.4	22.3
147	Port Burwell, Ungava Bay.....	60 25	64 52	-4 13	-4 13	-6.5	-0.9	15.2	19.9	10.7
	LABRADOR Time meridian, 52°30'W									
149	Button Islands.....	60 37	64 44	-2 38	-2 38	-9.5	-0.3	11.6	15.4	9.5
150	Williams Harbour.....	60 00	64 19	-3 07	-3 27	*0.32	*0.30	6.8	8.2	4.6
				on HALIFAX, p.20						
151	Eclipse Harbour.....	59 48	64 09	+0 25	+0 02	-2.4	-1.0	3.0	3.7	2.6
153	Kangalaksiorvik Fiord.....	59 23	63 47	+1 00	+0 42	-2.6	-1.5	3.3	4.1	2.2
155	Nachvak Bay.....	59 03	63 35	+0 04	-0 20	-1.5	-1.1	4.0	5.0	3.0
157	Port Manvers.....	56 57	61 25	-0 55	-0 55	-2.3	-1.2	3.3	4.2	2.6
158	Hebron, Hebron Fjord.....	58 12	62 38	-0 49	-1 05	-1.4	-0.9	3.9	4.7	3.2
159	Nain.....	56 33	61 41	-0 32	-0 54	+0.3	-0.5	5.2	6.5	4.2
161	Hopedale Harbour.....	55 27	60 13	-0 46	-1 09	-0.4	-0.3	4.3	5.6	4.0
163	Webeck Harbour.....	54 54	58 02	-1 07	-1 38	-1.3	-0.8	3.9	5.0	3.3
	Hamilton Inlet and Lake Melville									
165	Indian Harbour.....	54 27	57 12	-0 37	-1 33	-1.0	-0.9	4.3	5.7	3.4
167	Ticoralak Island.....	54 17	58 12	-0 35	-0 55	-0.9	-0.5	4.0	4.9	3.7
169	Rigolet.....	54 11	58 25	-0 02	-0 17	-1.9	-1.0	3.5	4.5	2.8
170	Goose Bay.....	53 21	60 24	+4 22	+4 24	(*0.27+0.4)		1.2	1.7	1.6

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	LABRADOR Time meridian, 52°30'W			on HALIFAX, p.20						
171	Cartwright Harbour	53 42	57 02	-0 03	-0 34	-1.3	-0.6	3.7	4.9	3.4
173	Curlew Harbour	53 45	56 33	-0 07	-0 38	-1.6	-0.9	3.7	4.9	3.1
175	Comfort Bight	53 09	55 46	-0 32	-1 03	-1.9	-1.0	3.5	4.6	2.9
177	Square Island Harbour	52 44	55 49	-0 34	-1 05	-2.0	-1.1	3.5	4.7	2.8
179	Port Marnham	52 23	55 44	-0 43	-1 14	-2.7	-1.0	2.7	3.6	2.5
180	Battle Harbour	52 16	55 36	-1 03	-1 30	-2.1	-0.3	2.6	3.8	3.1
				on HARRINGTON HARBOUR, p.12						
	Strait of Bell Isle									
181	Chateau Bay	52 00	55 50	-3 08	-3 19	*0.69	*0.81	2.4	3.1	2.5
183	Red Bay	51 43	56 25	-2 00	-1 55	*0.56	*0.56	2.1	2.6	2.0
185	Forteau Bay	51 27	56 53	-0 26	-0 17	*0.78	*0.81	2.9	3.7	2.8
	NEWFOUNDLAND, East Coast			on HALIFAX, p.20						
201	Pistolet Bay	51 30	55 44	-0 14	-0 28	*0.46	*0.29	2.4	3.1	1.8
203	Ariege Bay	51 10	56 00	-0 34	-0 34	-2.6	-1.5	3.3	4.3	2.3
205	Wild Cove	50 42	56 10	-0 49	-1 01	-2.0	-1.1	3.5	4.7	2.8
207	Sops Island, White Bay	49 50	56 46	-0 49	-1 24	*0.46	*0.29	2.4	3.4	1.8
209	Exploits Lower Harbour	49 32	55 04	-0 34	-1 09	-3.1	-1.3	2.6	3.5	2.1
211	Fogo Harbour	49 43	54 16	-0 34	-0 42	-2.6	-1.3	3.1	4.2	2.4
213	Valleyfield	49 10	53 37	-0 46	-1 13	*0.45	*0.33	2.2	2.9	1.8
215	Port Union	48 30	53 05	-0 53	-1 15	*0.49	*0.48	2.2	3.0	2.1
217	Random Head Harbour, Trinity Bay	48 06	53 34	-0 53	-1 05	*0.48	*0.33	2.4	3.2	1.9
219	Harbour Grace, Conception Bay	47 41	53 12	-0 28	-0 46	*0.51	*0.33	2.6	3.5	2.0
221	St. John's	47 34	52 42	-0 34	-0 46	*0.52	*0.38	2.6	3.5	2.1
	NEWFOUNDLAND, South Coast			on ARGENTIA, p.4						
223	Trepassey Harbour	46 43	53 23	-0 19	-0 11	-1.2	-0.5	4.2	5.6	3.5
225	St. Mary Harbour, St. Mary Bay	46 55	53 35	-0 14	-0 06	-1.2	-0.5	4.2	5.6	3.5
	Placentia Bay									
227	ARGENTIA	47 18	53 59	Daily predictions				4.9	6.3	4.4
229	Woody Island	47 47	54 10	+0 09	+0 09	-0.5	-0.3	4.7	6.0	4.0
231	Mortier Bay	47 10	55 09	+0 15	+0 26	-1.0	-0.8	4.7	6.0	3.5
233	Great St. Lawrence Harbour	46 55	55 22	+0 28	+0 55	-0.7	+0.3	3.9	5.0	4.2
	Time meridian, 60°W									
235	St. Pierre Hbr., St. Pierre Island	46 47	56 10	-0 09	+0 13	-0.8	+0.2	3.9	5.0	4.1
	Time meridian, 52°30'W									
	Fortune Bay									
237	Grande le Pierre Harbour	47 40	54 47	+1 09	+1 09	-1.0	+0.2	3.7	4.8	4.0
239	Belleoram	47 32	55 25	+0 57	+0 57	(*0.67+0.8)		3.3	4.3	3.8
241	Ship Cove, Bay d'Espoir	47 52	55 50	+0 45	+0 53	-0.4	0.0	4.5	5.5	4.2
243	Great Jervis Harbour, Bay d'Espoir	47 39	56 11	+0 38	+1 05	-1.1	+0.1	3.7	4.8	3.9
245	Hare Bay	47 37	56 32	+0 41	+1 08	(*0.67+0.6)		3.3	4.3	3.6
247	Grey River	47 34	57 07	+0 45	+1 12	(*0.63+0.7)		3.1	4.0	3.5
249	Connoire Bay	47 40	57 54	+0 50	+0 50	(*0.59+0.7)		2.9	3.8	3.3
251	La Poile Bay	47 40	58 24	+1 15	+1 15	(*0.63+0.6)		3.1	4.0	3.4
				on HARRINGTON HARBOUR, p.12						
253	Port Aux Basques	47 35	59 09	-1 24	-1 28	*0.80	*0.75	3.1	4.0	2.8
255	Codroy Road	47 53	59 24	-1 22	-1 27	*0.74	*0.75	2.8	3.7	2.6
	NEWFOUNDLAND, West Coast									
257	St. Georges Harbour	48 27	58 30	-0 28	-0 38	*0.78	*0.88	2.8	3.5	2.8
259	Port-au-Port	48 33	58 45	+0 05	+0 10	-1.3	-1.0	3.5	4.5	2.4
261	Frenchman's Cove, Bay of Islands	49 04	58 10	+0 10	+0 10	-0.5	0.0	3.3	4.2	3.3
263	Norris Cove, Bonne Bay	49 31	57 52	+0 10	+0 10	-0.7	-0.4	3.5	4.4	3.0
265	Portland Cove	50 11	57 36	+0 19	+0 19	-0.6	-0.4	3.6	4.6	3.0
267	Port Saunders	50 39	57 18	+0 07	+0 03	-0.3	-0.3	3.8	4.9	3.2
269	Castors Harbour, St. John Bay	50 55	56 59	+0 10	+0 10	*0.78	*0.75	3.0	4.1	2.7
271	St. Barbe Bay	51 12	56 46	0 00	0 00	*0.78	*0.56	3.3	4.4	2.6
	QUEBEC, Gulf of St. Lawrence Time meridian, 60°W									
273	Bradore Bay	51 28	57 15	-0 35	-0 30	-0.6	-0.1	3.3	4.4	3.1
275	Mistanoque Harbour	51 16	58 12	-0 15	-0 15	-0.4	-0.1	3.5	4.6	3.3
277	HARRINGTON HARBOUR	50 30	59 28	Daily predictions				3.8	4.9	3.5
279	Wapitagun Harbour	50 12	60 01	+0 15	+0 15	-0.3	+0.1	3.4	4.4	3.4
281	Kegaska	50 12	61 14	+0 40	+0 40	-0.9	-0.2	3.1	4.0	3.0
283	Natashquan	50 12	61 50	+1 00	+1 10	-0.8	-0.1	3.1	4.0	3.1
285	Betchewun Harbour	50 14	63 11	+2 09	+2 13	-0.7	-0.4	3.5	4.6	3.0

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	QUEBEC, Gulf of St. Lawrence Time meridian, 60°W			on HARRINGTON HARBOUR, p.12						
287	Havre St. Pierre	50 14	63 36	+2 23	+2 32	0.0	-0.1	3.9	4.8	3.5
301	Mingan	50 18	64 03	+2 35	+2 40	+0.9	0.0	4.7	5.8	3.9
	Anticosti Island									
303	Heath Point	49 05	61 42	+0 51	+0 52	(*0.61+0.3)		2.3	3.0	2.4
305	Southwest Point	49 24	63 36	+3 21	+3 26	-0.3	0.0	3.5	4.4	3.4
307	Ellis Bay	49 48	64 22	+3 37	+3 38	+0.3	-0.5	4.6	5.7	3.4
309	Moisie Bay	50 12	66 05	+3 43	+3 49	+2.3	+0.5	5.6	7.2	4.9
311	Sept Iles	50 13	66 24	+3 54	+3 58	+2.7	-0.1	6.6	8.6	4.8
313	Cawee Islands	49 50	67 00	+4 01	+4 07	+3.0	+0.6	6.2	8.0	5.3
	QUEBEC, St. Lawrence River Time meridian, 75°W									
315	Ste. Anne des Monts	49 08	66 29	+3 17	+3 19	+3.4	+0.6	6.6	8.6	5.5
317	Cap Chat	49 06	66 45	+3 17	+3 21	+4.2	+1.0	7.0	9.0	6.1
319	Pointe des Monts	49 20	67 22	+3 10	+3 16	+4.3	+0.8	7.3	9.6	6.1
321	Matane	48 51	67 32	+3 18	+3 22	+4.7	+0.9	7.6	9.9	6.3
323	Metis-sur-Mer	48 41	68 02	+3 24	+3 28	+5.4	+1.1	8.1	10.6	6.8
				on QUEBEC, p.16						
325	Betsiamites River	48 53	68 39	-4 20	-5 08	-3.8	+1.4	8.5	11.2	7.3
327	Father Point	48 31	68 28	-4 22	-5 29	-3.4	+1.4	8.9	11.7	7.5
329	Old Bic Harbour	48 22	68 44	-4 12	-5 14	-3.3	+1.4	9.0	11.8	7.5
331	Tadoussac, Saguenay River	48 08	69 43	-3 47	-4 54	-1.8	+0.8	11.1	14.0	8.0
333	Chicoutimi, Saguenay River	48 26	71 03	-3 28	-3 40	-1.4	+1.3	11.0	14.4	8.4
335	Brandypot Islands	47 52	69 41	-3 36	-4 40	-0.5	+2.2	11.0	14.5	9.3
337	Murray Bay	47 39	70 08	-3 20	-4 22	+0.4	+2.3	11.8	15.3	9.8
339	Pointe aux Orignaux	47 29	70 01	-2 47	-3 41	-0.3	+2.2	11.2	14.7	9.4
341	Ile aux Coudres	47 26	70 19	-2 10	-3 21	+1.2	+2.0	12.9	15.8	10.1
343	L'Islet	47 08	70 22	-1 17	-2 05	0.0	+0.9	12.8	15.3	9.0
345	Beaujeu Channel	47 05	70 29	-1 10	-1 43	+0.6	+0.5	13.8	15.7	9.0
347	Grosse Ile	47 02	70 40	-0 57	-1 19	+1.3	0.0	15.0	17.1	9.1
349	Berthier	46 56	70 44	-0 47	-1 08	+1.3	0.0	15.0	16.9	9.1
351	St. Laurent d'Orleans	46 52	71 00	-0 20	-0 30	+0.3	+0.2	13.8	15.6	8.7
353	QUEBEC	46 49	71 11	Daily predictions				13.7	15.5	8.5
355	St. Nicolas	46 43	71 24	+0 35	+0 32	-0.7	- -	12.6	14.3	- -
357	St. Augustin	46 43	71 28	+0 54	+0 53	-1.6	- -	11.8	13.3	- -
359	Ste. Croix <1>	46 37	71 45	+1 31	+2 00	- -	- -	11.8	13.3	- -
361	Pointe Platon <1>	46 40	71 51	+1 43	+2 11	- -	- -	11.4	12.9	- -
363	Grondines <1>	46 36	72 04	+2 14	+3 18	- -	- -	6.7	8.1	- -
365	Cap a la Roche <1>	46 33	72 10	+2 37	+3 48	- -	- -	5.4	6.7	- -
367	Batiscan <1>	46 31	72 15	+3 32	+4 49	- -	- -	2.3	3.3	- -
369	Champlain <1>	46 26	72 21	+4 08	+5 30	- -	- -	1.8	2.8	- -
371	Trois Rivieres <1>	46 20	72 33	+4 45	+6 15	- -	- -	0.7	1.0	- -
	QUEBEC, Gulf of St. Lawrence-Con. Time meridian, 60°W			on PICTOU, p.8						
373	Gaspe' Bay	48 50	64 29	+4 43	+4 58	-1.1	-0.5	2.6	3.3	3.1
375	Point St. Peter	48 38	64 10	+4 59	+5 11	*0.67	*0.52	2.5	3.2	2.5
	Chaleur Bay									
377	Port Daniel	48 10	64 57	+5 27	+5 42	-0.7	-0.6	3.1	3.8	3.3
379	Paspebiac	48 01	65 14	+5 22	+5 34	-0.4	-1.0	3.8	4.6	3.2
381	Carleton Point	48 05	66 07	+5 31	+5 36	+0.8	-0.7	4.7	6.2	4.0
	NEW BRUNSWICK, Gulf of St. Lawrence									
	Chaleur Bay-continued									
383	Campbellton	48 01	66 40	+6 04	+6 40	+3.5	+0.9	5.8	7.2	6.1
385	Dalhousie	48 04	66 22	+5 42	+5 52	+2.2	-0.2	5.6	7.1	4.9
387	Bathurst	47 37	65 39	+6 04	+6 50	-0.3	-1.1	4.0	4.8	3.2
389	Caraquet Harbour	47 48	64 56	+5 49	+5 50	-1.0	-1.1	3.3	4.0	2.9
391	Miscou Harbour	47 54	64 35	+5 45	+5 57	-0.5	-1.1	3.8	5.0	3.1
401	Old Tracadie Gully entrance	47 31	64 52	+6 25	+6 36	-1.6	-1.2	2.8	3.5	2.5
403	Tracadie	47 31	64 55	+6 55	+7 06	*0.55	*0.35	2.2	2.8	1.9
								Mean	Diurnal	
405	Portage Island, Miramichi Bay †	47 09	65 03	-5 11	-4 59	-1.7	-0.8	- -	3.3	2.2
407	Newcastle, Miramichi River †	47 00	65 34	-3 53	-3 13	-0.7	-0.5	- -	4.0	- -
409	Richibucto River entrance †	46 43	64 48	-4 45	- - -	-2.7	-0.8	- -	2.3	1.8
411	Shediac Bay †	46 15	64 32	- - -	+0 18	-1.9	-0.5	- -	2.8	2.8
								Mean	Spring	
413	Cape Tormentine	46 08	63 47	+0 41	+1 03	+1.5	-0.1	4.8	5.7	4.6
415	Tidnish Head, Baie Verte	46 01	64 01	+0 33	+0 54	+1.7	-0.2	5.1	6.3	4.7
	PRINCE EDWARD ISLAND							Mean	Diurnal	
417	Tignish †	46 58	64 00	-4 59	-5 27	-2.5	-0.8	- -	2.5	1.7
419	Alberton †	46 49	64 03	-4 27	-4 10	-2.8	-0.7	- -	2.1	1.7

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Diurnal	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	PRINCE EDWARD ISLAND Time meridian, 60°W			on PICTOU, p.8						
421	Malpeque Bay †	46 35	63 40	-3 29	-3 13	-2.5	-0.8	- -	2.5	1.8
423	North Rustico †	46 28	63 17	-4 10	-4 04	-2.7	-1.0	- -	2.5	1.6
425	St. Peters Bay †	46 26	62 44	-3 52	-3 37	-3.3	-1.0	- -	1.9	1.5
427	Naufrage †	46 28	62 25	-3 09	-3 27	-2.6	-0.8	- -	2.4	2.0
								Mean	Spring	
429	Souris Head	46 20	62 17	-1 23	-1 25	-0.6	-0.2	2.8	3.5	3.5
431	Georgetown Harbour	46 11	62 32	-1 03	-1 00	-0.5	-0.1	2.8	3.5	3.6
433	Cape Bear	46 00	62 27	-0 42	-0 40	-0.6	-0.5	3.1	4.0	3.4
435	Charlottetown	46 13	63 08	+0 33	+0 42	+2.5	+0.5	5.2	6.4	5.4
437	Summerside Harbour	46 24	63 47	+0 57	+1 19	+0.9	+0.3	3.8	4.5	4.5
	ISLANDS, Gulf of St. Lawrence									
439	St. Paul Island	47 12	60 09	-1 25	-1 22	*0.64	*0.57	2.2	2.8	2.4
441	Amherst Harbour, Magdalen Islands	47 14	61 50	-1 05	-1 07	*0.53	*0.57	1.6	2.0	2.1
	NOVA SCOTIA, Gulf of St. Lawrence									
443	Pugwash	45 51	63 40	+1 00	+1 03	+1.8	0.0	5.0	6.0	4.8
447	PICTOU	45 41	62 42	Daily predictions				3.2	3.9	3.9
449	Merigomish Harbour	45 39	62 27	-0 13	-0 01	-0.3	0.0	2.9	3.4	3.8
451	Cape George	45 53	61 53	-0 54	-0 51	-1.6	-0.8	2.4	3.2	2.7
453	Antigonish Harbour	45 40	61 53	+0 09	+0 17	-1.7	-0.5	2.0	2.5	2.8
455	Cape Jack	45 42	61 33	-1 11	-1 18	-1.8	-0.7	2.1	2.6	2.7
456	Auld Cove	45 39	61 26	-0 27	-0 33	(*0.62+1.3)		2.0	2.6	3.7
	Cape Breton Island									
457	Port Hood	46 01	61 32	-0 46	-0 45	-1.6	-0.9	2.5	3.2	2.7
459	Mabou River entrance	46 06	61 28	-0 53	-1 04	*0.66	*0.61	2.2	2.9	2.5
461	Cheticamp	46 37	61 02	-1 23	-1 20	*0.56	*0.74	1.4	1.8	2.4
	NOVA SCOTIA, Outer Coast									
	Cape Breton Island-Continued									
463	Neil Harbour	46 48	60 20	-1 44	-1 45	*0.69	*0.65	2.4	3.1	2.7
465	Ingonish Island	46 40	60 23	-1 40	-1 33	-1.5	-0.9	2.6	3.2	2.7
467	St. Anns Harbour	46 15	60 34	-1 37	-1 40	-1.4	-1.0	2.8	3.5	2.7
469	North Sydney	46 13	60 15	-1 54	-1 49	*0.73	*0.61	2.6	3.2	2.7
471	Glace Bay	46 12	59 55	-1 59	-1 54	-1.6	-0.9	2.5	3.2	2.7
				on HALIFAX, p.20						
473	Louisburg Harbour	45 54	59 59	-0 08	-0 14	-1.6	-0.7	3.5	4.2	3.2
475	Gabarus Cove	45 51	60 10	+0 08	+0 10	-1.4	-0.7	3.7	4.4	3.3
477	St. Peter Bay	45 38	60 52	-0 12	-0 07	-0.6	-0.4	4.2	5.1	3.8
479	Arichat	45 31	61 02	-0 25	-0 14	-0.9	-0.5	4.0	4.8	3.6
501	Port Hastings, Strait of Canso	45 39	61 24	-0 16	-0 12	0.0	+0.2	4.2	5.1	4.4
503	Guysborough	45 23	61 29	+0 06	+0 18	-1.1	-0.5	3.8	4.6	3.5
505	Canso Harbour	45 21	61 00	-0 05	-0 04	-1.1	-0.6	3.9	4.7	3.5
507	Whitehaven Harbour	45 14	61 12	-0 10	-0 02	-1.1	-0.4	3.7	4.7	3.6
509	Isaacs Harbour	45 11	61 40	-0 03	+0 04	-0.6	-0.1	3.9	4.6	4.0
511	Sonora, St. Mary River	45 03	61 55	-0 02	+0 09	-0.7	-0.6	4.3	5.2	3.7
513	Liscomb Harbour	45 00	62 02	-0 11	-0 05	-0.6	-0.4	4.2	5.0	3.8
515	Sheet Harbour	44 54	62 30	-0 08	-0 04	-1.1	-0.9	4.2	5.0	3.3
517	Ship Harbour	44 47	62 49	-0 07	-0 04	-0.6	-0.4	4.2	5.1	3.8
519	Jeddore Harbour	44 45	63 01	-0 06	-0 03	-0.5	-0.4	4.3	5.2	3.9
521	HALIFAX	44 40	63 34	Daily predictions				4.4	5.3	4.3
523	Sable Island, north side	43 57	60 06	-0 06	-0 12	-2.7	-0.9	2.6	3.2	2.5
525	Sable Island, south side	43 56	59 54	-0 02	-0 06	-2.1	-1.6	3.9	4.8	2.5
527	St. Margarets Bay	44 31	63 56	+0 08	+0 07	-0.5	-0.3	4.2	4.9	3.9
529	Chester, Mahone Bay	44 34	64 18	+0 01	-0 04	-0.2	-0.2	4.4	5.3	4.1
531	Mahone Harbour, Mahone Bay	44 27	64 22	+0 03	-0 01	-0.1	-0.2	4.5	5.5	4.2
533	Lunenburg	44 22	64 19	+0 07	+0 07	-0.1	+0.1	4.2	4.9	4.3
535	Riverport, La Have River	44 17	64 20	+0 12	+0 05	-0.3	-0.4	4.5	5.3	4.0
537	Bridgewater, La Have River	44 23	64 31	+0 09	+0 06	-0.2	-0.3	4.5	5.5	4.1
539	Liverpool Bay	44 02	64 41	+0 14	+0 04	-0.5	-0.4	4.3	5.1	3.9
541	Lockeport	43 44	65 05	+0 27	+0 02	-0.2	-0.4	4.6	5.4	4.0
543	Shelburne	43 45	65 18	+0 30	+0 35	+0.1	-0.3	4.8	5.8	4.2
545	Barrington Passage	43 32	65 36	+0 51	+0 30	+1.6	+0.6	5.4	6.2	5.4
547	Swim Point	43 26	65 38	+1 41	+1 03	+2.9	+0.1	7.2	8.4	5.8
	NOVA SCOTIA, Bay of Fundy			on ST. JOHN, N. B., p.24						
549	Lower East Pubnico	43 38	65 46	-1 52	-2 07	*0.43	*0 48	8.7	10.0	6.3
551	Yarmouth Harbour	43 48	66 08	-1 07	-1 15	*0.53	*0.42	11.5	13.4	7.5
553	Westport, St. Mary Bay	44 16	66 21	-0 35	-0 30	*0.72	*0.72	15.0	16.7	10.4
555	Tiverton, St. Mary Bay	44 24	66 13	-0 38	-0 30	-5.6	-0.7	15.9	18.3	11.3
557	Weymouth, St. Mary Bay	44 27	66 01	-0 26	-0 22	-6.5	-0.7	15.0	17.0	10.8
559	Digby, Annapolis Basin	44 38	65 45	-0 09	-0 07	+0.7	+0.3	21.2	24.6	14.9
561	Annapolis Royal, Annapolis River	44 45	65 30	+0 06	+0 10	+2.2	+0.4	22.6	25.7	15.7
563	Port George	45 01	65 10	-0 06	-0 06	+6.7	+0.8	26.7	30.5	18.2

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	NOVA SCOTIA, Bay of Fundy Time meridian, 60°W			on ST. JOHN, N. B., p.24						
565	Ile Haute	45 15	65 00	-0 02	-0 02	+7.4	+0.7	27.5	31.5	18.5
567	Spencer Island	45 20	64 42	+0 17	+0 21	*1.47	*1.50	30.5	35.0	21.2
	Minas Basin									
569	Parrsboro (Partridge Island) <2>	45 22	64 20	+0 51	+0 49	+14.7	- -	34.4	39.0	22.3
571	Horton Bluff, Avon River	45 06	64 13	+0 58	+1 02	*1.76	*1.38	38.1	43.6	24.6
573	Windsor <2>	45 00	64 08	+1 03	- - -	+19.5	- -	- -	- -	- -
575	Burntcoat Head	45 18	63 49	+1 06	+1 12	*1.90	*2.18	38.4	43.5	27.9
577	Truro <2>	45 22	63 20	+1 43	- - -	+26.1	- -	- -	- -	- -
579	Spicer Cove, Chignecto Bay	45 26	64 54	+0 12	+0 16	+7.0	+0.8	27.0	30.0	18.3
581	Joggins <2>	45 41	64 28	+0 14	+0 26	+14.2	+1.8	33.2	37.0	22.4
583	Amherst Point, Cumberland Basin	45 50	64 17	+0 33	+0 45	*1.69	*1.55	35.6	40.5	24.0
	NEW BRUNSWICK, Bay of Fundy									
	Petitcodiac River <3>									
585	Grindstone Island	45 43	64 37	+0 21	+0 28	*1.49	*1.45	31.1	35.6	21.4
587	Hopewell Cape	45 52	64 35	+0 14	+0 39	*1.64	*1.85	33.2	38.0	24.0
589	Moncton <2> <3>	46 05	64 46	+0 46	- - -	+17.2	- -	- -	- -	- -
591	Salisbury	46 01	65 03	+1 31	- - -	+18.2	- -	- -	- -	- -
601	Herring Cove	45 35	64 58	+0 22	+0 20	+8.4	+0.9	28.3	32.4	19.1
603	Quaco Bay	45 20	65 32	+0 11	+0 12	+2.0	-0.3	23.1	26.3	15.3
605	ST. JOHN <4>	45 15	66 04	Daily predictions				20.8	23.7	14.4
607	Indiantown, St. John River	45 16	66 05	+1 30	+2 25	- -	- -	1.2	1.4	2.4
609	Lepreau Harbour	45 07	66 29	-0 01	+0 03	-2.3	-0.5	19.0	21.7	13.0
611	L'Etang Harbour	45 02	66 49	+0 01	+0 05	-3.2	-0.8	18.4	21.0	12.4
613	North Head, Grand Manan Island	44 46	66 45	-0 05	-0 05	-4.5	-0.9	17.2	19.3	11.7
615	Seal Cove, Grand Manan Island	44 37	66 51	-0 15	-0 17	*0.68	*0.65	14.3	16.3	9.8
617	Outer Wood Island <5>	44 36	66 48	-0 25	-0 27	-7.8	-0.8	13.8	16.2	10.1
619	Machias Seal Island <5>	44 30	67 06	-0 01	- - -	-9.6	-1.7	12.9	14.5	8.8
620	Welshpool, Campobello Island <5>	44 53	66 57	-0 01	+0 06	-3.5	-1.0	18.3	21.2	12.1
621	Wilsons Beach, Campobello Island <5>	44 56	66 56	0 00	+0 01	-3.7	+0.1	17.0	19.4	12.6
622	Back Bay, Letite Harbour <5>	45 03	66 52	0 00	-0 03	-3.5	0.0	17.3	20.1	12.6
623	Midjik Bluff, Passamaquoddy Bay <5>	45 07	66 54	+0 12	+0 17	-2.0	-0.5	19.3	22.0	13.1
624	St. Andrews, Passamaquoddy Bay <5>	45 04	67 03	+0 14	+0 20	-2.3	0.0	18.5	21.2	13.2
625	The Ledge, St. Croix River <5>	45 10	67 12	+0 17	+0 30	-0.8	0.0	20.0	22.8	14.0
	MAINE Time meridian, 75°W			on EASTPORT, p.28						
627	EASTPORT	44 54	66 59	Daily predictions				18.2	20.7	9.1
629	Gleason Cove, Western Passage	44 58	67 03	+0 08	+0 07	+0.2	0.0	18.4	20.9	9.2
	St. Croix River									
631	Robbinston	45 05	67 06	+0 09	+0 09	+1.0	0.0	19.2	21.8	9.6
633	St. Croix Island	45 08	67 08	+0 10	+0 12	+1.4	0.0	19.6	22.3	9.8
637	Calais	45 11	67 17	+0 31	+0 34	+1.8	0.0	20.0	22.8	10.0
	Cobscook Bay									
639	Deep Cove, Moose Island	44 54	67 01	+0 08	+0 09	+0.5	0.0	18.7	21.3	9.3
641	East Bay	44 56	67 07	+0 14	+0 16	+0.9	0.0	19.1	21.8	9.5
643	Coffins Point	44 52	67 07	+0 33	+0 38	+0.1	0.0	18.3	20.8	9.1
645	Birch Islands	44 52	67 09	+1 05	+1 17	-0.6	0.0	17.6	20.0	8.8
647	Horan Head, South Bay	44 52	67 04	+0 18	+0 21	+1.0	0.0	19.2	21.9	9.6
649	Lubec	44 52	66 59	-0 03	-0 01	-0.7	0.0	17.5	20.0	8.7
651	West Quoddy Head	44 49	66 59	-0 09	-0 15	-2.5	0.0	15.7	17.9	7.8
653	Moose Cove	44 44	67 06	-0 10	-0 16	-3.4	0.0	14.8	16.9	7.4
655	Cutler, Little River	44 39	67 13	-0 12	-0 17	-4.6	0.0	13.6	15.5	6.8
657	Stone Island, Machias Bay	44 36	67 22	-0 12	-0 29	-5.8	0.0	12.4	14.1	6.2
659	Machiasport, Machias River	44 42	67 24	0 00	-0 10	-5.6	0.0	12.6	14.4	6.3
661	Shoppee Point, Englishman Bay	44 37	67 30	-0 06	-0 14	-6.1	0.0	12.1	13.8	6.1
663	Roque Island Harbor, Englishman Bay	44 34	67 31	-0 11	-0 14	-5.9	0.0	12.3	14.0	6.1
				on PORTLAND, p.32						
665	Steele Harbor Island	44 30	67 33	-0 28	-0 20	+2.5	0.0	11.6	13.3	5.8
667	Jonesport, Moosabec Reach	44 32	67 36	-0 23	-0 17	+2.4	0.0	11.5	13.2	5.8
669	Gibbs Island, Pleasant River	44 33	67 46	-0 20	-0 11	+2.2	0.0	11.3	13.0	5.6
671	Addison, Pleasant River	44 37	67 45	0 00	+0 04	+2.7	0.0	11.8	13.6	5.9
673	Trafton Island, Narraguagus Bay	44 29	67 50	-0 23	-0 20	+2.0	0.0	11.1	12.8	5.5
675	Milbridge, Narraguagus River	44 32	67 53	-0 20	-0 05	+2.2	0.0	11.3	13.0	5.6
677	Pigeon Hill Bay	44 27	67 52	-0 21	-0 18	+2.0	0.0	11.1	12.8	5.6
678	Green Island, Petit Manan Bar	44 22	67 52	-0 28	-0 24	+1.5	0.0	10.6	12.2	5.3
679	Pinkham Bay, Dyer Bay	44 28	67 55	-0 23	-0 18	+1.8	0.0	10.9	12.5	5.4
681	Garden Point, Gouldsboro Bay	44 28	67 59	-0 23	-0 18	+1.7	0.0	10.8	12.4	5.4
683	Corea Harbor	44 24	67 58	-0 25	-0 20	+1.4	0.0	10.5	12.1	5.2
685	Prospect Harbor	44 24	68 01	-0 24	-0 15	+1.4	0.0	10.5	12.1	5.2
	Frenchman Bay									
701	Winter Harbor	44 23	68 05	-0 23	-0 09	+1.0	0.0	10.1	11.6	5.0
703	Eastern Point Harbor	44 28	68 10	-0 20	-0 14	+1.4	0.0	10.5	12.1	5.2
705	Sullivan	44 31	68 12	-0 10	-0 05	+1.4	0.0	10.5	12.1	5.2
707	Mount Desert Narrows	44 26	68 22	-0 08	-0 08	+1.4	0.0	10.5	12.1	5.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	MAINE Time meridian, 75°W			on PORTLAND, p.32						
	Mount Desert Island									
709	Salsbury Cove	44 26	68 17	-0 15	-0 12	+1.5	0.0	10.6	12.2	5.3
711	Bar Harbor	44 23	68 12	-0 22	-0 19	+1.4	0.0	10.5	12.1	5.2
713	Southwest Harbor	44 16	68 19	-0 22	-0 12	+1.1	0.0	10.2	11.7	5.1
715	Mount Desert	44 22	68 20	-0 16	-0 08	+1.5	0.0	10.6	12.2	5.3
717	Bass Harbor	44 14	68 21	-0 18	-0 11	+0.8	0.0	9.9	11.3	5.0
719	Pretty Marsh Harbor	44 20	68 25	-0 13	-0 13	+1.1	0.0	10.2	11.7	5.1
	Blue Hill Bay									
721	Union River	44 30	68 26	-0 09	-0 08	+1.3	0.0	10.4	11.9	5.2
723	Blue Hill Harbor	44 24	68 34	-0 13	-0 08	+1.0	0.0	10.1	11.6	5.0
725	Allen Cove	44 18	68 33	-0 12	-0 12	+1.2	0.0	10.3	11.8	5.1
727	Mackerel Cove	44 10	68 26	-0 20	-0 13	+0.9	0.0	10.0	11.5	5.0
729	Burnt Coat Harbor, Swans Island	44 09	68 27	-0 23	-0 13	+0.4	0.0	9.5	10.8	4.7
	MAINE, Penobscot Bay									
	Eggemoggin Reach									
731	Naskeag Harbor	44 14	68 33	-0 16	-0 14	+1.1	0.0	10.2	11.6	5.1
733	Center Harbor	44 16	68 35	-0 13	-0 07	+1.0	0.0	10.1	11.5	5.0
735	Sedgwick	44 18	68 38	-0 11	-0 06	+1.1	0.0	10.2	11.7	5.1
736	Isle Au Haut	44 04	68 38	-0 23	-0 19	+0.2	0.0	9.3	10.7	4.7
737	Head Harbor, Isle Au Haut	44 01	68 37	-0 20	-0 20	0.0	0.0	9.1	10.4	4.6
739	Kimball Island	44 04	68 39	-0 20	-0 22	+0.5	0.0	9.6	10.9	4.8
741	Oceanville, Deer Isle	44 12	68 38	-0 18	-0 17	+1.0	0.0	10.1	11.5	5.0
743	Stonington, Deer Isle	44 09	68 40	-0 18	-0 17	+0.6	0.0	9.7	11.0	4.8
745	Northwest Harbor, Deer Isle	44 14	68 41	-0 12	-0 12	+1.0	0.0	10.1	11.5	5.0
747	Matinicus Harbor	43 52	68 53	-0 17	-0 12	-0.1	0.0	9.0	10.4	4.5
749	Vinalhaven, Vinalhaven Island	44 03	68 50	-0 13	-0 06	+0.2	0.0	9.3	10.7	4.6
751	Iron Point, North Haven Island	44 08	68 52	-0 13	-0 13	+0.4	0.0	9.5	10.8	4.8
753	Pulpit Harbor, North Haven Island	44 09	68 53	-0 13	-0 15	+0.7	0.0	9.8	11.1	4.9
755	Castine	44 23	68 48	-0 04	-0 01	+0.6	0.0	9.7	11.1	4.8
757	Pumpkin Island, South Bay	44 25	68 44	+0 11	+0 29	+1.2	0.0	10.3	11.7	5.1
	Penobscot River									
759	Fort Point	44 28	68 49	-0 06	-0 05	+1.2	0.0	10.3	11.8	5.1
761	Bucksport	44 34	68 48	-0 02	-0 01	+1.9	0.0	11.0	12.5	5.5
763	South Orrington	44 42	68 49	+0 01	+0 04	+3.2	0.0	12.3	14.0	6.1
765	Hampden	44 45	68 50	+0 02	+0 06	+3.7	0.0	12.8	14.6	6.4
767	Bangor	44 48	68 46	+0 04	+0 13	+4.0	0.0	13.1	14.9	6.5
769	Belfast	44 26	69 00	-0 08	-0 01	+0.9	0.0	10.0	11.5	5.0
771	Camden	44 12	69 03	-0 12	-0 06	+0.5	0.0	9.6	10.9	4.8
773	Rockland	44 06	69 06	-0 16	-0 13	+0.6	0.0	9.7	11.2	4.8
775	Owls Head	44 06	69 03	-0 16	-0 13	+0.3	0.0	9.4	10.7	4.7
777	Dyer Point, Weskeag River	44 02	69 07	-0 10	-0 10	+0.5	0.0	9.6	10.9	4.8
	MAINE, Outer Coast									
779	Tenants Harbor	43 58	69 12	-0 11	-0 11	+0.2	0.0	9.3	10.6	4.6
781	Monhegan Island	43 46	69 19	-0 13	-0 09	-0.3	0.0	8.8	10.1	4.4
783	Burnt Island, Georges Islands	43 52	69 18	-0 13	-0 12	-0.2	0.0	8.9	10.2	4.4
	St. George River									
785	Port Clyde	43 56	69 16	-0 11	-0 07	-0.2	0.0	8.9	10.2	4.4
787	Otis Cove	43 59	69 14	-0 15	-0 14	0.0	0.0	9.1	10.5	4.5
789	Thomaston	44 04	69 11	-0 04	-0 03	+0.3	0.0	9.4	10.8	4.7
791	New Harbor, Muscongus Bay	43 52	69 29	-0 10	-0 05	-0.3	0.0	8.8	10.1	4.4
793	Muscongus Harbor, Muscongus Sound	43 58	69 27	-0 09	-0 03	-0.1	0.0	9.0	10.4	4.5
795	Friendship Harbor	43 58	69 20	-0 18	-0 11	-0.1	0.0	9.0	10.4	4.5
	Medomak River									
797	Jones Neck	44 01	69 23	-0 10	-0 05	0.0	0.0	9.1	10.5	4.5
799	Waldoboro	44 06	69 23	-0 16	-0 04	+0.4	0.0	9.5	10.9	4.8
801	Pemaquid Harbor, Johns Bay	43 53	69 32	-0 05	-0 01	-0.3	0.0	8.8	10.1	4.4
	Damariscotta River									
803	East Boothbay	43 52	69 35	-0 02	+0 04	-0.2	0.0	8.9	10.2	4.4
805	Newcastle	44 02	69 32	+0 16	+0 28	+0.2	0.0	9.3	10.7	4.6
807	Damariscove Harbor, Damariscove Island	43 46	69 37	-0 09	-0 10	-0.3	0.0	8.8	10.1	4.4
809	Boothbay Harbor	43 51	69 38	-0 06	-0 05	-0.3	0.0	8.8	10.1	4.4
811	Southport, Townsend Gut	43 51	69 40	+0 01	+0 01	-0.2	0.0	8.9	10.2	4.4
	Sheepscot River									
813	Isle of Springs	43 52	69 41	-0 02	-0 04	-0.2	0.0	8.9	10.3	4.4
815	Cross River entrance	43 56	69 40	+0 07	+0 04	0.0	0.0	9.1	10.5	4.5
817	Wiscasset	44 00	69 40	+0 16	+0 04	+0.3	0.0	9.4	10.8	4.7
819	Sheepscot (below rapids)	44 03	69 37	+0 20	+0 20	+0.5	0.0	9.6	11.0	4.8
821	Back River	43 57	69 41	+0 34	+0 31	0.0	0.0	9.1	10.5	4.5
823	Robinhood, Sasanoa River	43 51	69 44	+0 14	+0 14	-0.3	0.0	8.8	10.1	4.4
825	Mill Point, Sasanoa River	43 53	69 46	+0 35	+0 43	-0.3	0.0	8.8	10.1	4.4
827	Upper Hell Gate, Sasanoa River	43 54	69 47	+1 11	+1 31	-2.1	0.0	7.0	8.0	3.5
	MAINE, Kennebec River									
829	Fort Popham	43 45	69 47	+0 09	+0 04	-0.7	0.0	8.4	9.7	4.2
831	Phippsburg	43 49	69 49	+0 26	+0 28	-1.1	0.0	8.0	9.2	4.0

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	Maine, Kennebac River Time meridian, 75°W			on PORTLAND, p.32						
833	Bath	43 55	69 49	+1 01	+1 17	-2.7	0.0	6.4	7.4	3.2
835	Sturgeon Island, Merrymeeting Bay	43 59	69 50	+2 00	+2 04	*0.58	*0.58	5.3	6.1	2.6
837	Androscoggin River entrance	43 57	69 53	+2 24	+3 26	*0.52	*0.52	4.7	5.4	2.3
839	Brunswick, Androscoggin River	43 55	69 58	+2 35	+4 36	*0.42	*0.42	3.8	4.4	1.9
841	Bowdoinham, Cathance River	44 00	69 54	+2 34	+2 42	*0.63	*0.63	5.7	6.6	2.8
843	Richmond	44 05	69 48	+2 48	+3 03	*0.58	*0.58	5.3	6.0	2.6
845	Nehumkeag Island	44 10	69 45	+3 21	+3 46	*0.58	*0.58	5.3	6.0	2.6
847	Gardiner	44 14	69 46	+3 43	+4 25	*0.55	*0.55	5.0	5.7	2.5
849	Hallowell	44 17	69 47	+3 54	+5 03	*0.47	*0.47	4.3	4.9	2.1
851	Augusta	44 19	69 46	+4 03	+5 33	*0.45	*0.45	4.1	4.6	2.0
	MAINE, Casco Bay									
853	Small Point Harbor	43 44	69 51	-0 12	-0 09	-0.3	0.0	8.8	10.1	4.4
855	Cundy Harbor, New Meadows River	43 47	69 54	-0 01	-0 02	-0.2	0.0	8.9	10.2	4.4
857	Howard Point, New Meadows River	43 53	69 53	-0 05	+0 01	-0.1	0.0	9.0	10.3	4.5
859	Lowell Cove, Orrs Island	43 45	69 59	-0 07	-0 06	-0.3	0.0	8.8	10.1	4.4
861	Harpswell Harbor	43 46	70 00	-0 05	-0 05	-0.1	0.0	9.0	10.4	4.5
863	South Harpswell, Potts Harbor	43 44	70 01	+0 02	+0 01	-0.2	0.0	8.9	10.2	4.4
865	Wilson Cove, Middle Bay	43 49	69 59	+0 02	+0 02	0.0	0.0	9.1	10.5	4.5
867	Little Flying Point, Maquoit Bay	43 50	70 03	-0 01	-0 01	-0.1	0.0	9.0	10.3	4.5
869	South Freeport	43 49	70 06	+0 12	+0 10	-0.1	0.0	9.0	10.3	4.5
871	Chebeague Point, Great Chebeague Island	43 46	70 06	-0 04	-0 06	-0.1	0.0	9.0	10.4	4.5
873	Prince Point	43 46	70 10	-0 02	-0 04	-0.1	0.0	9.0	10.4	4.5
875	Peaks Island	43 39	70 12	-0 04	-0 08	-0.1	0.0	9.0	10.4	4.5
877	PORTLAND	43 40	70 15	Daily predictions				9.1	10.4	4.6
	MAINE, Outer Coast-Continued									
879	Richmond Island	43 33	70 14	-0 03	0 00	-0.2	0.0	8.9	10.1	4.4
881	Old Orchard Beach	43 31	70 22	0 00	-0 03	-0.3	0.0	8.8	10.1	4.4
883	Wood Island Harbor	43 27	70 21	+0 02	-0 04	-0.4	0.0	8.7	9.9	4.3
885	Cape Porpoise	43 22	70 26	+0 12	+0 17	-0.4	0.0	8.7	9.9	4.3
887	Kennebunkport	43 21	70 28	+0 16	+0 16	-0.5	0.0	8.6	9.9	4.3
889	York Harbor	43 08	70 38	+0 03	+0 13	-0.5	0.0	8.6	9.9	4.3
	MAINE and NEW HAMPSHIRE									
	Portsmouth Harbor									
891	Jaffrey Point	43 03	70 43	-0 03	-0 05	-0.4	0.0	8.7	10.0	4.4
893	Gerrish Island	43 04	70 42	-0 02	-0 03	-0.4	0.0	8.7	10.0	4.4
895	Fort Point	43 04	70 43	+0 03	+0 07	-0.5	0.0	8.6	9.9	4.3
897	Kittery Point	43 05	70 42	-0 07	+0 01	-0.4	0.0	8.7	10.0	4.4
899	Seavey Island	43 05	70 45	+0 23	+0 13	-1.0	0.0	8.1	9.3	4.0
901	Portsmouth	43 05	70 45	+0 22	+0 17	-1.3	0.0	7.8	9.0	3.9
	Piscataqua River									
903	Atlantic Heights	43 05	70 46	+0 37	+0 28	-1.6	0.0	7.5	8.6	3.7
905	Dover Point	43 07	70 50	+1 33	+1 27	-2.7	0.0	6.4	7.4	3.2
907	Salmon Falls River entrance	43 11	70 50	+1 35	+1 52	-2.3	0.0	6.8	7.8	3.4
909	Squamscott River RR Bridge	43 03	70 55	+2 19	+2 41	-2.3	0.0	6.8	7.8	3.4
911	Gosport Harbor, Isles of Shoals	42 59	70 37	+0 02	-0 02	-0.6	0.0	8.5	9.8	4.2
913	Hampton Harbor	42 54	70 49	+0 14	+0 32	-0.8	0.0	8.3	9.5	4.1
	MASSACHUSETTS, Outer Coast									
915	Merrimack River entrance	42 49	70 49	+0 20	+0 24	-0.8	0.0	8.3	9.5	4.1
917	Newburyport, Merrimack River	42 49	70 52	+0 31	+1 11	-1.3	0.0	7.8	9.0	3.9
919	Plum Island Sound (south end)	42 43	70 47	+0 12	+0 37	-0.5	0.0	8.6	9.9	4.3
921	Annisquam	42 39	70 41	0 00	-0 07	-0.4	0.0	8.7	10.1	4.4
923	Rockport	42 40	70 37	+0 04	+0 02	-0.5	0.0	8.6	10.0	4.3
				on BOSTON, p.36						
925	Gloucester	42 36	70 40	-0 03	-0 06	-0.8	0.0	8.7	10.1	4.3
927	Manchester Harbor	42 34	70 47	-0 02	-0 06	-0.7	0.0	8.8	10.2	4.4
929	Beverly	42 32	70 53	0 00	-0 05	-0.5	0.0	9.0	10.4	4.5
931	Salem	42 31	70 53	+0 02	+0 01	-0.7	0.0	8.8	10.2	4.4
933	Marblehead	42 30	70 51	-0 02	-0 06	-0.4	0.0	9.1	10.6	4.5
	Broad Sound									
935	Nahant	42 25	70 55	-0 01	-0 02	-0.5	0.0	9.0	10.4	4.5
937	Lynn Harbor	42 27	70 58	+0 08	+0 04	-0.3	0.0	9.2	10.7	4.6
	Boston Harbor									
939	Boston Light	42 20	70 53	0 00	+0 01	-0.5	0.0	9.0	10.4	4.5
941	Lovell Island, The Narrows	42 20	70 56	+0 02	+0 01	-0.4	0.0	9.1	10.6	4.5
943	Deer Island (south end)	42 21	70 58	-0 01	-0 02	-0.2	0.0	9.3	10.8	4.6
945	Belle Isle Inlet entrance	42 23	71 00	+0 18	+0 15	0.0	0.0	9.5	11.0	4.7
947	Castle Island	42 20	71 01	-0 02	0 00	-0.1	0.0	9.4	10.9	4.7

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TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
				on BOSTON, p.36						
	Boston Harbor Time meridian, 75°W			Daily predictions						
949	BOSTON	42 21	71 03					9.5	11.0	4.7
951	Dover St. Bridge, Fort Point Channel	42 21	71 04	+0 04	+0 06	+0.1	0.0	9.6	11.0	4.8
	Charles River									
953	Charlestown Bridge	42 22	71 04	+0 02	+0 02	0.0	0.0	9.5	11.0	4.7
955	Charles River Dam	42 22	71 04	+0 05	+0 04	0.0	0.0	9.5	11.0	4.7
957	Charlestown	42 22	71 03	-0 02	-0 01	0.0	0.0	9.5	11.0	4.7
959	Chelsea St. Bridge, Chelsea River	42 23	71 01	-0 01	+0 04	+0.1	0.0	9.6	11.1	4.8
965	Neponset, Neponset River	42 17	71 02	-0 04	+0 01	0.0	0.0	9.5	11.0	4.7
967	Moon Head	42 19	70 59	-0 01	+0 02	-0.1	0.0	9.4	10.9	4.7
969	Rainsford Island, Nantasket Roads	42 19	70 57	-0 02	0 00	-0.4	0.0	9.1	10.6	4.5
	Hingham Bay									
971	Nut Island	42 17	70 57	+0 07	+0 03	-0.3	0.0	9.2	10.7	4.6
973	Sheep Island	42 17	70 55	+0 07	+0 03	0.0	0.0	9.5	11.0	4.7
975	Weymouth Fore River Bridge	42 15	70 58	+0 07	+0 04	0.0	0.0	9.5	11.0	4.7
977	Weymouth Back River Bridge	42 15	70 56	+0 06	+0 05	0.0	0.0	9.5	11.0	4.7
979	Crow Point, Hingham Harbor entrance	42 16	70 54	0 00	+0 03	-0.1	0.0	9.4	10.9	4.7
981	Hingham	42 15	70 53	+0 07	+0 06	0.0	0.0	9.5	11.0	4.7
983	Nantasket Beach, Weir River	42 16	70 52	+0 04	+0 05	-0.1	0.0	9.4	10.9	4.7
985	Strawberry Hill	42 17	70 53	+0 05	+0 05	0.0	0.0	9.5	11.0	4.7
987	Hull	42 18	70 55	+0 03	+0 05	-0.2	0.0	9.3	10.8	4.7
	Cohasset Harbor to Davis Bank									
989	Cohasset Harbor (White Head)	42 15	70 47	+0 02	-0 04	-0.7	0.0	8.8	10.2	4.4
991	Scituate	42 12	70 43	-0 05	0 00	-0.7	0.0	8.8	10.2	4.4
992	Damons Point, North River	42 10	70 44	+0 18	+0 34	-1.0	0.0	8.5	9.9	4.2
	Cape Cod Bay									
993	Gurnet Point	42 00	70 36	+0 02	+0 07	-0.3	0.0	9.2	10.7	4.6
995	Plymouth	41 58	70 40	+0 05	+0 20	0.0	0.0	9.5	11.0	4.7
997	Cape Cod Canal, east entrance	41 46	70 30	-0 01	-0 02	-0.8	0.0	8.7	10.1	4.3
999	Barnstable Harbor, Beach Point	41 43	70 17	+0 09	+0 28	0.0	0.0	9.5	11.0	4.7
1001	Wellfleet	41 55	70 02	+0 12	+0 28	+0.5	0.0	10.0	11.6	5.0
1003	Provincetown	42 03	70 11	+0 14	+0 16	-0.4	0.0	9.1	10.6	4.5
1005	Race Point	42 04	70 15	-0 03	-0 04	-0.5	0.0	9.0	10.4	4.5
	Cape Cod									
1007	Cape Cod Lighthouse, SE of	42 00	70 01	+0 10	+0 09	-1.9	0.0	7.6	8.8	3.8
1009	Nauset Harbor	41 48	69 56	+0 30	+0 56	*0.63	*0.63	6.0	7.0	3.0
1011	Chatham (outer coast)	41 40	69 56	+0 30	+0 24	-2.8	0.0	6.7	7.8	3.3
1013	Chatham (inside)	41 41	69 57	+1 54	+2 24	*0.38	*0.38	3.6	4.2	1.8
1015	Pleasant Bay	41 44	69 59	+2 26	+3 25	*0.34	*0.34	3.2	3.7	1.6
1017	Monomoy Point	41 33	70 00	+0 40	+0 32	*0.39	*0.39	3.7	4.3	1.8
1019	Georges Shoal	41 42	67 46	-0 49	-0 45	*0.44	*0.44	4.2	4.8	2.1
1021	Davis Bank, Nantucket Shoals	41 08	69 39	+0 04	-0 27	*0.14	*0.14	1.3	1.5	0.6
	Nantucket Sound, North Side									
1023	Stage Harbor	41 40	69 58	+0 55	+0 46	*0.41	*0.41	3.9	4.7	1.9
1025	Wychmere Harbor	41 40	70 04	+0 50	+0 23	*0.39	*0.39	3.7	4.3	1.8
1027	Dennis Port	41 39	70 07	+1 01	+0 36	*0.36	*0.36	3.4	4.1	1.7
1029	South Yarmouth, Bass River	41 40	70 11	+1 46	+1 44	*0.29	*0.29	2.8	3.4	1.4
1031	Hyannis Port	41 38	70 18	+1 01	+0 29	*0.33	*0.33	3.1	3.7	1.5
1033	Cotuit Highlands	41 36	70 26	+1 15	+0 45	*0.26	*0.26	2.5	3.0	1.2
1035	Poponesset Island, Poponesset Bay	41 35	70 28	+2 01	+1 50	*0.24	*0.24	2.3	2.8	1.1
1037	Succonnesset Point	41 33	70 29	+0 52	+0 37	*0.20	*0.20	1.9	2.3	0.9
1039	Falmouth Heights	41 33	70 36	-0 18	-0 11	*0.14	*0.14	1.3	1.6	0.6
	Nantucket Island									
1041	Tom Nevers Head	41 14	70 01	-0 57	-1 22	*0.13	*0.13	1.2	1.4	0.6
1043	Siasconset	41 16	69 58	+0 15	+0 19	*0.13	*0.13	1.2	1.4	0.6
1045	Wauwinet (outer shore)	41 20	70 00	+1 06	+0 57	*0.35	*0.35	3.3	4.0	1.6
1047	Great Point	41 23	70 03	+0 41	+0 26	*0.33	*0.33	3.1	3.7	1.5
1049	Nantucket	41 17	70 06	+1 05	+0 50	*0.32	*0.32	3.0	3.6	1.5
1051	Eel Point	41 17	70 12	+0 37	+0 05	*0.24	*0.24	2.3	2.7	1.1
1053	Tuckernuck Island, East Pond	41 18	70 15	+0 46	+0 27	*0.27	*0.27	2.6	3.1	1.3
1055	Muskeget Island, north side	41 20	70 18	+0 23	+0 13	*0.21	*0.21	2.0	2.4	1.0
1057	Smith Point, north side	41 17	70 14	+0 46	-0 32	*0.16	*0.16	1.5	1.9	0.8
				on NEWPORT, p.40						
1059	Miacomet Rip	41 14	70 06	+0 18	+0 55	*0.49	*0.49	1.7	2.0	0.8
	Martha's Vineyard									
1061	Wasque Point, Chappaquiddick Island	41 22	70 27	+2 05	+3 25	*0.31	*0.31	1.1	1.4	0.6
1063	Off Jobs Neck Pond	41 21	70 35	+0 04	+0 27	-0.8	0.0	2.7	3.2	1.3
1065	Off Chilmark Pond	41 20	70 43	-0 13	+0 09	-0.6	0.0	2.9	3.5	1.4

Endnotes can be found at the end of table 2.

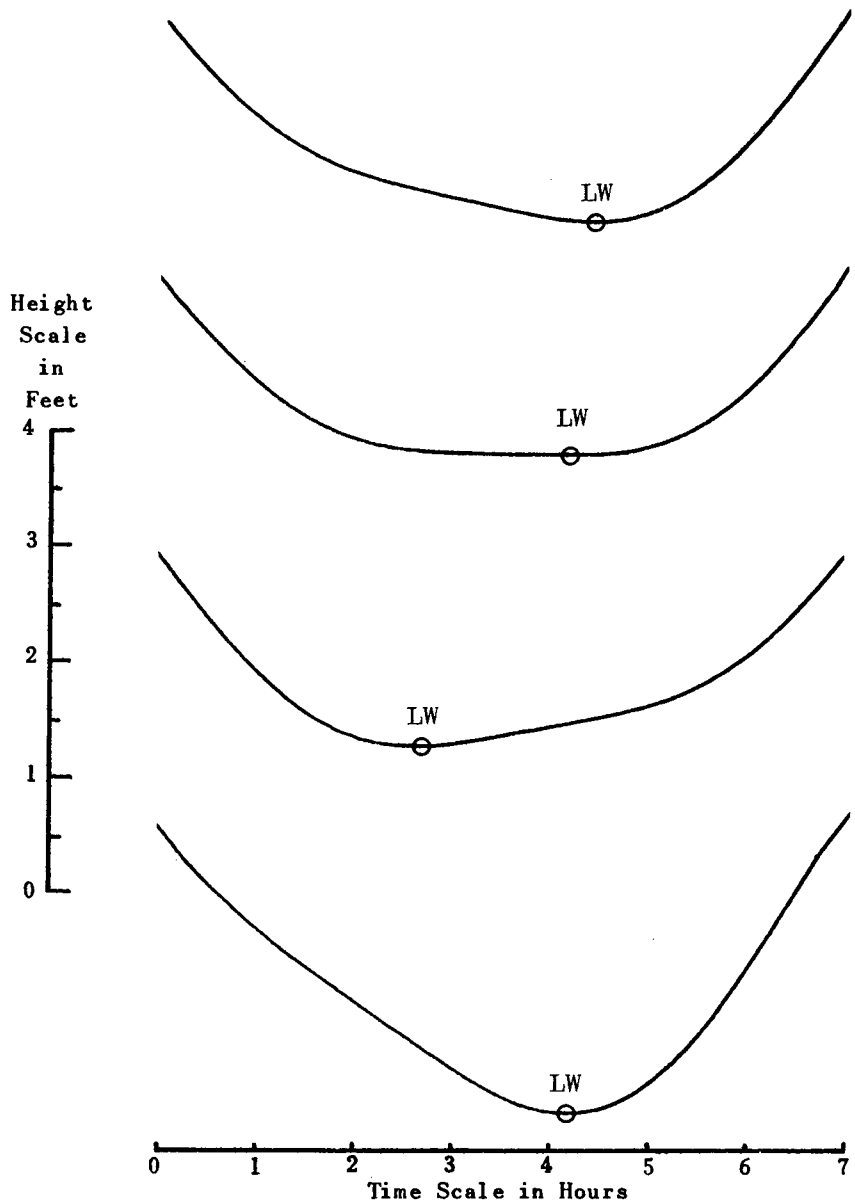
NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Martha's Vineyard Time meridian, 75°W			on NEWPORT, p.40						
1066	Squibnocket Point	41 19	70 46	-0 42	+0 03	-0.6	0.0	2.9	3.7	1.5
1067	Nomans Land	41 16	70 49	-0 16	+0 23	-0.5	0.0	3.0	3.6	1.5
1069	Gay Head	41 21	70 50	-0 03	+0 50	-0.6	0.0	2.9	3.5	1.4
1071	Menemsha Bight	41 21	70 46	+0 05	+0 42	-0.8	0.0	2.7	3.4	1.3
1073	Cedar Tree Neck	41 26	70 42	+0 13	+1 37	-1.3	0.0	2.2	2.8	1.1
1075	Off Lake Tashmoo	41 28	70 38	+1 11	+2 16	*0.60	*0.60	2.1	2.5	1.0
				on BOSTON, p.36						
1077	West Chop	41 29	70 36	+0 16	-0 31	*0.15	*0.15	1.4	1.7	0.7
1079	Vineyard Haven	41 27	70 36	+0 25	-0 01	*0.18	*0.18	1.7	2.0	0.8
1081	East Chop	41 28	70 34	+0 27	-0 14	*0.18	*0.18	1.7	2.0	0.8
1083	Oak Bluffs	41 27	70 33	+0 30	-0 14	*0.18	*0.18	1.7	2.0	0.8
1085	Edgartown	41 23	70 31	+0 55	+0 16	*0.20	*0.20	1.9	2.3	0.9
1087	Cape Poge, Chappaquiddick Island	41 25	70 27	+0 44	+0 02	*0.23	*0.23	2.2	2.6	1.1
	Vineyard Sound			on NEWPORT, p.40						
1089	Nobska Point	41 31	70 39	+0 44	+2 10	*0.43	*0.43	1.5	1.9	0.7
	Woods Hole									
1091	Little Harbor	41 31	70 40	+0 35	+2 26	*0.40	*0.40	1.4	1.8	0.7
1093	Oceanographic Institution	41 31	70 40	+0 27	+2 04	*0.51	*0.51	1.8	2.2	0.9
1095	Uncatena Island (south side)	41 31	70 42	+0 15	+0 27	+0.1	0.0	3.6	4.5	1.8
1097	Tarpaulin Cove	41 28	70 46	+0 14	+1 28	*0.54	*0.54	1.9	2.4	0.9
	Quicks Hole									
1099	South side	41 26	70 51	-0 07	+0 14	-1.0	0.0	2.5	3.1	1.2
1101	Middle	41 27	70 51	+0 03	+0 15	-0.5	0.0	3.0	3.7	1.5
1103	North side	41 27	70 51	-0 05	-0 03	0.0	0.0	3.5	4.4	1.7
	Buzzards Bay									
1105	Cuttyhunk Pond entrance	41 25	70 55	+0 04	+0 06	-0.1	0.0	3.4	4.2	1.7
1107	Penikese Island	41 27	70 55	-0 14	-0 11	-0.1	0.0	3.4	4.2	1.7
1109	Kettle Cove	41 29	70 47	+0 12	+0 07	+0.3	0.0	3.8	4.7	1.9
1111	West Falmouth Harbor	41 36	70 39	+0 24	+0 23	+0.5	0.0	4.0	5.0	2.0
1113	Barlows Landing, Pocasset Harbor	41 41	70 38	+0 27	+0 23	+0.5	0.0	4.0	5.0	2.0
1115	Abiels Ledge	41 42	70 40	+0 14	+0 21	+0.4	0.0	3.9	4.9	2.0
1117	Monument Beach	41 43	70 37	+0 26	+0 23	+0.5	0.0	4.0	5.0	2.0
1119	Cape Cod Canal, RR. bridge <6>	41 44	70 37	+1 18	- - -	0.0	0.0	3.5	4.1	1.8
1121	Great Hill	41 43	70 43	+0 20	+0 20	+0.6	0.0	4.1	5.1	2.0
1123	Wareham, Wareham River	41 45	70 43	+0 25	+0 21	+0.6	0.0	4.1	5.1	2.0
1125	Bird Island	41 40	70 43	+0 08	+0 03	+0.7	0.0	4.2	5.2	2.1
1127	Marion	41 42	70 46	+0 12	+0 15	+0.5	0.0	4.0	5.0	2.0
1129	Mattapoisett	41 39	70 49	+0 13	+0 10	+0.4	0.0	3.9	4.9	2.0
1131	West Island (west side)	41 36	70 50	+0 12	+0 13	+0.2	0.0	3.7	4.6	1.8
1133	Clarks Point	41 36	70 54	+0 06	+0 08	+0.2	0.0	3.7	4.6	1.8
1135	New Bedford	41 38	70 55	+0 10	+0 12	+0.2	0.0	3.7	4.6	1.8
1137	Belleville, Acushnet River	41 40	70 55	+0 10	+0 14	+0.3	0.0	3.8	4.7	1.9
1139	South Dartmouth, Apponagansett Bay	41 35	70 57	+0 28	+0 38	+0.2	0.0	3.7	4.6	1.8
1141	Dumpling Rocks	41 32	70 55	+0 04	+0 03	+0.2	0.0	3.7	4.6	1.8
	Westport River									
1143	Westport Harbor	41 30	71 06	+0 12	+0 38	-0.5	0.0	3.0	3.7	1.5
1145	Hix Bridge, East Branch	41 34	71 04	+1 43	+2 35	-0.8	0.0	2.7	3.4	1.3
	RHODE ISLAND, Narragansett Bay									
1147	Sakonnet	41 28	71 12	-0 10	+0 04	-0.4	0.0	3.1	3.9	1.6
1149	Tiverton (between bridges)	41 38	71 13	+0 21	+0 21	+0.3	0.0	3.8	4.7	1.9
1151	Beavertail Point	41 27	71 24	-0 02	-0 05	0.0	0.0	3.5	4.4	1.8
1153	NEWPORT	41 30	71 20	Daily predictions				3.5	4.4	1.8
1155	Prudence Island, Sandy Point	41 36	71 18	+0 10	+0 09	+0.4	0.0	3.9	4.9	2.0
1157	Bristol Point	41 39	71 16	+0 21	+0 12	+0.5	0.0	4.0	5.0	2.0
	RHODE ISLAND and MASSACHUSETTS Narragansett Bay-Continued									
1159	Fall River, Massachusetts	41 44	71 08	+0 31	+0 34	+0.9	0.0	4.4	5.5	2.2
1161	Taunton, Taunton River, Mass	41 53	71 06	+1 09	+2 26	-0.7	0.0	2.8	3.5	1.4
1163	Bristol	41 40	71 16	+0 10	0 00	+0.6	0.0	4.1	5.1	2.0
1165	Warren	41 44	71 17	+0 21	+0 04	+1.1	0.0	4.6	5.7	2.3
1167	Nayatt Point	41 43	71 20	+0 12	+0 03	+1.1	0.0	4.6	5.7	2.3
1169	Providence	41 48	71 24	+0 14	+0 05	+1.1	0.0	4.6	5.7	2.3
1171	Pawtucket, Seekonk River	41 52	71 23	+0 21	+0 14	+1.1	0.0	4.6	5.8	2.3
1173	East Greenwich	41 40	71 27	+0 16	+0 08	+0.5	0.0	4.0	5.0	2.0
1175	Wickford	41 34	71 27	+0 12	+0 07	+0.3	0.0	3.8	4.7	1.9
1177	Narragansett Pier	41 25	71 27	-0 08	+0 16	-0.3	0.0	3.2	4.0	1.6

Endnotes can be found at the end of table 2.

CAUTION

Cape Cod Canal, Railroad Bridge, No. 1119

Predictions of the times of low water must be used with caution because of the peculiarities in the behavior of the tide. Since the tide may be practically at a stand for as much as two hours before or after the predicted times of low water, the levels at other than high and low water times cannot be obtained in the usual way as in Table 3 (Height of Tide at Any Time). The peculiar behavior of the tide near low water, which is prevalent at this place, is illustrated by the first three curves; however there are brief periods each month when the behavior is as depicted by the fourth curve.



NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	RHODE ISLAND, Outer Coast Time meridian, 75°W			on NEWPORT, p.40						
1179	Point Judith Harbor of Refuge.....	41 22	71 29	-0 07	+0 22	-0.4	0.0	3.1	3.9	1.5
1181	Block Island (Great Salt Pond).....	41 11	71 35	+0 05	+0 12	-0.9	0.0	2.6	3.2	1.3
1183	Block Island (Old Harbor).....	41 10	71 33	-0 14	+0 17	-0.6	0.0	2.9	3.6	1.4
1185	Watch Hill Point.....	41 18	71 52	+0 44	+1 21	-0.9	0.0	2.6	3.2	1.3
				on NEW LONDON, p.44						
1186	Westerly, Pawcatuck River.....	41 23	71 50	-0 27	+0 02	+0.1	0.0	2.7	3.2	1.3
	CONNECTICUT, Long Island Sound									
1187	Stonington, Fishers Island Sound.....	41 20	71 54	-0 33	-0 41	+0.1	0.0	2.7	3.2	1.3
1189	Noank, Mystic River entrance.....	41 19	71 59	-0 23	-0 08	-0.3	0.0	2.3	2.7	1.2
1191	West Harbor, Fishers Island, N. Y.....	41 16	72 00	-0 01	-0 06	-0.1	0.0	2.5	3.0	1.2
1192	Silver Eel Pond, Fishers Island, N. Y...	41 15	72 02	-0 17	-0 04	-0.3	0.0	2.3	2.7	1.1
	Thames River									
1193	NEW LONDON, State Pier.....	41 22	72 06	Daily predictions				2.6	3.1	1.3
1195	Smith Cove entrance.....	41 24	72 06	-0 01	+0 10	-0.1	0.0	2.5	3.0	1.2
1197	Norwich.....	41 31	72 05	+0 12	+0 25	+0.4	0.0	3.0	3.6	1.5
1199	Millstone Point.....	41 18	72 10	+0 08	+0 01	+0.1	0.0	2.7	3.2	1.3
	Connecticut River									
1200	Saybrook Jetty.....	41 16	72 21	+1 10	+0 45	+0.9	0.0	3.5	4.2	1.7
1201	Saybrook Point.....	41 17	72 21	+1 10	+0 53	+0.6	0.0	3.2	3.8	1.6
1202	Lyme, highway bridge.....	41 19	72 21	+1 24	+1 10	+0.5	0.0	3.1	3.7	1.5
1203	Essex.....	41 21	72 23	+1 38	+1 38	+0.4	0.0	3.0	3.6	1.5
	Connecticut River									
1204	Hadlyme <7>.....	41 25	72 26	+2 18	+2 23	+0.1	0.0	2.7	3.2	1.3
1205	East Haddam.....	41 27	72 28	+2 41	+2 53	+0.3	0.0	2.9	3.5	1.4
1206	Haddam <7>.....	41 29	72 30	+2 47	+3 08	-0.1	0.0	2.5	3.0	1.2
1207	Higganum Creek.....	41 30	72 33	+2 54	+3 25	0.0	0.0	2.6	3.1	1.3
1209	Portland <7>.....	41 34	72 38	+3 50	+4 28	-0.4	0.0	2.2	2.6	1.1
1211	Rocky Hill <7>.....	41 39	72 38	+4 43	+5 44	-0.6	0.0	2.0	2.4	1.0
1213	Hartford <7>.....	41 46	72 40	+5 29	+6 52	-0.7	0.0	1.9	2.3	1.0
				on BRIDGEPORT, p.48						
1214	Westbrook, Duck Island Roads.....	41 16	72 28	-0 23	-0 34	-2.6	0.0	4.1	4.7	2.0
1215	Duck Island.....	41 15	72 29	-0 25	-0 37	-2.2	0.0	4.5	5.2	2.2
1217	Madison.....	41 16	72 36	-0 20	-0 32	-1.8	0.0	4.9	5.6	2.4
1219	Falkner Island.....	41 13	72 39	-0 13	-0 27	-1.3	0.0	5.4	6.2	2.7
1220	Sachem Head.....	41 15	72 42	-0 10	-0 17	-1.3	0.0	5.4	6.2	2.7
1221	Money Island.....	41 15	72 45	-0 11	-0 25	-1.1	0.0	5.6	6.4	2.8
1223	Branford Harbor.....	41 16	72 49	-0 07	-0 20	-0.8	0.0	5.9	6.8	2.9
1225	New Haven Harbor entrance.....	41 14	72 55	-0 08	-0 16	-0.5	0.0	6.2	7.1	3.1
1227	New Haven (city dock).....	41 18	72 55	+0 02	-0 03	-0.7	0.0	6.0	6.9	3.0
1229	Milford Harbor.....	41 13	73 03	-0 07	-0 12	-0.1	0.0	6.6	7.6	3.3
1231	Stratford, Housatonic River.....	41 11	73 07	+0 27	+0 59	-1.2	0.0	5.5	6.3	2.7
1233	Shelton, Housatonic River.....	41 19	73 05	+1 36	+2 42	-1.7	0.0	5.0	5.8	2.5
1235	BRIDGEPORT.....	41 10	73 11	Daily predictions				6.7	7.7	3.4
1237	Black Rock Harbor entrance.....	41 09	73 13	-0 03	-0 05	+0.2	0.0	6.9	7.9	3.4
1239	Saugatuck River entrance.....	41 06	73 22	-0 01	-0 01	+0.3	0.0	7.0	8.0	3.5
1241	South Norwalk.....	41 06	73 25	+0 10	+0 13	+0.4	0.0	7.1	8.2	3.5
1243	Greens Ledge.....	41 03	73 27	-0 01	-0 03	+0.5	0.0	7.2	8.3	3.6
1245	Stamford.....	41 02	73 33	+0 04	+0 06	+0.5	0.0	7.2	8.3	3.6
1247	Cos Cob Harbor.....	41 01	73 36	+0 06	+0 09	+0.5	0.0	7.2	8.3	3.6
1249	Greenwich.....	41 01	73 37	+0 02	-0 01	+0.7	0.0	7.4	8.5	3.7
1251	Great Captain Island.....	40 59	73 37	+0 01	-0 01	+0.6	0.0	7.3	8.4	3.6
	NEW YORK Long Island Sound, North Side			on WILLETS POINT, p.52						
1253	Port Chester.....	41 00	73 40	-0 09	-0 12	+0.1	0.0	7.2	8.5	3.6
1254	Rye Beach.....	40 58	73 40	-0 28	-0 29	+0.1	0.0	7.2	8.4	3.6
1255	Mamaroneck.....	40 56	73 44	-0 08	-0 11	+0.2	0.0	7.3	8.6	3.6
1257	New Rochelle.....	40 54	73 47	-0 24	-0 17	+0.1	0.0	7.2	8.6	3.6
1259	Davids Island.....	40 53	73 46	-0 02	-0 07	+0.1	0.0	7.2	8.5	3.6
1261	City Island.....	40 51	73 47	-0 03	-0 03	+0.1	0.0	7.2	8.5	3.6
1263	Throgs Neck.....	40 48	73 48	+0 02	+0 14	-0.1	0.0	7.0	8.2	3.5
	East River									
1265	Whitestone.....	40 48	73 49	+0 02	+0 14	0.0	0.0	7.1	8.3	3.5
1267	Old Ferry Point.....	40 48	73 50	+0 04	+0 16	0.0	0.0	7.1	8.3	3.5
1269	College Point, Flushing Bay.....	40 47	73 51	+0 20	+0 28	-0.6	0.0	6.5	7.6	3.2
1271	Northern Blvd. Bridge, Flushing Creek...	40 46	73 50	+0 23	+0 37	-0.3	0.0	6.8	8.0	3.4
1273	Westchester, Westchester Creek.....	40 50	73 50	+0 10	+0 16	-0.1	0.0	7.0	8.3	3.5
1275	Hunts Point.....	40 48	73 52	+0 08	+0 15	-0.2	0.0	6.9	8.1	3.4
1277	Westchester Ave. Bridge, Bronx River....	40 50	73 53	+0 10	+0 17	-0.2	0.0	6.9	8.1	3.4
1279	North Brother Island.....	40 48	73 54	+0 09	+0 17	-0.5	0.0	6.6	7.8	3.3
1281	Port Morris (Stony Point).....	40 48	73 54	+0 13	+0 16	-0.8	0.0	6.3	7.4	3.1

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	New York, East River Time meridian, 75°W			on WILLETS POINT, p.52						
1283	Lawrence Point	40 47	73 55	-0 03	+0 13	-0.7	0.0	6.4	7.6	3.2
1285	Wolcott Avenue	40 47	73 55	-0 03	+0 13	-1.0	0.0	6.1	7.2	3.0
				on NEW YORK, p.56						
1287	Pot Cove, Astoria	40 47	73 56	+2 20	+2 29	+0.8	0.0	5.3	6.3	2.6
1289	Hell Gate, Hallets Point	40 47	73 56	+2 00	+2 04	+0.6	0.0	5.1	6.1	2.5
1291	Horns Hook, East 90th Street	40 47	73 57	+1 50	+1 30	+0.3	0.0	4.8	5.8	2.4
1293	Welfare Island, north end	40 46	73 56	+1 45	+1 25	+0.3	0.0	4.8	5.8	2.4
1295	37th Avenue, Long Island City	40 46	73 57	+1 30	+1 10	0.0	0.0	4.5	5.5	2.2
1297	East 41st Street, New York City	40 45	73 58	+1 20	+0 56	-0.2	0.0	4.3	5.2	2.1
1299	Hunters Point, Newtown Creek	40 44	73 57	+1 18	+0 53	-0.4	0.0	4.1	4.9	2.0
1301	English Kills entrance, Newtown Creek	40 43	73 55	+1 30	+1 04	-0.3	0.0	4.2	5.0	2.1
1303	East 27th Street, Bellevue Hospital	40 44	73 58	+1 08	+1 03	-0.3	0.0	4.2	5.0	2.1
1305	East 19th Street, New York City	40 44	73 58	+1 02	+0 58	-0.4	0.0	4.1	4.9	2.0
1307	North 3d Street, Brooklyn	40 43	73 58	+0 55	+0 42	-0.4	0.0	4.1	4.9	2.0
1309	Williamsburg Bridge	40 43	73 58	+0 52	+0 38	-0.4	0.0	4.1	4.9	2.0
1311	Wallabout Bay	40 42	73 59	+0 50	+0 35	-0.4	0.0	4.1	4.9	2.0
1313	Brooklyn Bridge	40 42	74 00	+0 13	+0 07	-0.2	0.0	4.3	5.2	2.1
	Harlem River									
1315	East 110th Street, New York City	40 47	73 56	+1 52	+1 35	+0.6	0.0	5.1	6.1	2.6
1317	Willis Avenue Bridge	40 48	73 56	+1 47	+1 30	+0.5	0.0	5.0	6.0	2.5
1319	Madison Avenue Bridge	40 49	73 56	+1 52	+1 35	+0.4	0.0	4.9	5.9	2.4
1321	Central Bridge	40 50	73 56	+1 52	+1 35	+0.2	0.0	4.7	5.7	2.3
1323	Washington Bridge	40 51	73 56	+1 52	+1 35	-0.1	0.0	4.4	5.2	2.2
1325	University Heights Bridge	40 52	73 55	+1 40	+1 30	-0.5	0.0	4.0	4.8	2.0
1327	Broadway Bridge	40 52	73 55	+1 20	+1 20	-0.7	0.0	3.8	4.6	1.9
1329	Spuyten Duyvil Bridge	40 53	73 56	+1 01	+1 03	-0.9	0.0	3.6	4.3	1.8
	Long Island Sound, South Side			on WILLETS POINT, p.52						
1331	WILLETS POINT	40 48	73 47	Daily predictions				7.1	8.3	3.5
1333	Hewlett Point	40 50	73 45	-0 03	-0 03	0.0	0.0	7.1	8.3	3.5
1335	Port Washington, Manhasset Bay	40 50	73 42	-0 01	+0 11	+0.2	0.0	7.3	8.6	3.6
1337	Execution Rocks	40 53	73 44	-0 06	-0 08	+0.2	0.0	7.3	8.6	3.6
1339	Glen Cove, Hempstead Harbor	40 52	73 39	-0 11	-0 06	+0.2	0.0	7.3	8.6	3.6
				on BRIDGEPORT, p.48						
	Oyster Bay									
1341	Oyster Bay Harbor	40 53	73 32	+0 08	+0 11	+0.6	0.0	7.3	8.4	3.6
1343	Bayville Bridge	40 54	73 33	+0 13	+0 18	+0.7	0.0	7.4	8.5	3.7
1345	Cold Spring Harbor	40 52	73 28	+0 08	+0 06	+0.7	0.0	7.4	8.5	3.7
1347	Eatons Neck Point	40 57	73 24	+0 03	+0 06	+0.4	0.0	7.1	8.2	3.6
1349	Lloyd Harbor entrance, Huntington Bay	40 55	73 26	+0 03	+0 01	+0.7	0.0	7.4	8.5	3.7
1351	Northport, Northport Bay	40 54	73 21	+0 03	+0 06	+0.6	0.0	7.3	8.4	3.6
1353	Nissequogue River entrance	40 54	73 14	-0 03	-0 06	+0.3	0.0	7.0	8.0	3.5
1355	Stony Brook, Smithtown Bay	40 55	73 09	+0 08	+0 08	-0.6	0.0	6.1	7.0	3.0
1357	Stratford Shoal	41 04	73 06	-0 05	-0 09	-0.1	0.0	6.6	7.6	3.3
1359	Port Jefferson Harbor entrance	40 58	73 05	+0 03	-0 01	-0.1	0.0	6.6	7.6	3.3
1361	Port Jefferson	40 57	73 05	+0 06	+0 03	-0.1	0.0	6.6	7.6	3.3
1363	Setauket Harbor	40 57	73 06	+0 04	+0 09	0.0	0.0	6.7	7.7	3.3
1365	Conscience Bay entrance (Narrows)	40 58	73 07	+0 02	+0 02	0.0	0.0	6.7	7.7	3.3
1367	Mount Sinai Harbor	40 58	73 02	+0 05	+0 16	-0.7	0.0	6.0	6.9	3.0
1369	Herod Point	40 58	72 50	-0 07	-0 16	-0.8	0.0	5.9	6.8	2.9
1370	Northville	40 59	72 39	-0 02	-0 05	-1.3	0.0	5.4	6.2	2.7
1371	Mattituck Inlet	41 01	72 34	+0 05	-0 06	-1.5	0.0	5.2	6.0	2.6
1373	Horton Point	41 05	72 27	-0 20	-0 35	*0.60	*0.60	4.0	4.6	2.0
1374	Hashamomuck Beach	41 06	72 24	+0 04	-0 15	*0.63	*0.63	4.2	4.8	2.1
1375	Truman Beach	41 08	72 19	-0 42	-0 52	*0.51	*0.51	3.4	3.9	1.7
				on NEW LONDON, p.44						
1377	Plum Gut Harbor, Plum Island	41 10	72 12	+0 27	+0 16	0.0	0.0	2.6	3.1	1.3
1379	Little Gull Island	41 12	72 06	+0 12	-0 22	-0.4	0.0	2.2	2.6	1.1
	Shelter Island Sound									
1381	Orient	41 08	72 18	+0 36	+0 36	-0.1	0.0	2.5	3.0	1.2
1383	Greenport	41 06	72 22	+1 04	+0 49	-0.2	0.0	2.4	2.9	1.2
1385	Southhold	41 04	72 25	+1 43	+1 33	-0.3	0.0	2.3	2.7	1.1
1387	Noyack Bay	41 00	72 20	+2 05	+1 44	-0.3	0.0	2.3	2.7	1.1
1389	Sag Harbor	41 00	72 18	+0 59	+0 48	-0.1	0.0	2.5	3.0	1.2
1391	Cedar Point	41 02	72 16	+0 44	+0 27	-0.1	0.0	2.5	3.0	1.2
	Peconic Bays									
1393	New Suffolk	41 00	72 28	+2 26	+2 11	0.0	0.0	2.6	3.1	1.3
1395	South Jamesport	40 56	72 35	+2 32	+2 40	+0.1	0.0	2.7	3.2	1.3
1397	Shinnecock Canal	40 54	72 30	+2 33	+2 31	-0.2	0.0	2.4	2.9	1.2
1399	Threemile Harbor ent., Gardiners Bay	41 02	72 11	+0 21	+0 02	-0.2	0.0	2.4	2.9	1.2
1401	Promised Land, Napeague Bay	41 00	72 05	-0 14	-0 08	-0.3	0.0	2.3	2.7	1.1
1403	Montauk Harbor entrance	41 04	71 56	-0 25	-0 16	-0.7	0.0	1.9	2.3	0.9
1405	Montauk, Fort Pond Bay	41 03	71 58	-0 29	-0 24	-0.5	0.0	2.1	2.5	1.1
1407	Montauk Point, north side	41 04	71 52	-1 13	-1 31	-0.6	0.0	2.0	2.4	1.0

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Long Island, South Side Time meridian, 75°W			on SANDY HOOK, p.64						
1409	Shinnecock inlet (ocean).....	40 50	72 28	-0 50	-1 08	*0.63	*0.63	2.9	3.5	1.4
1411	Ponquogue Bridge, Shinnecock Bay.....	40 51	72 30	+0 29	+0 14	-2.3	0.0	2.3	2.8	1.2
1413	Potunk Point, Moriches Bay.....	40 48	72 39	+3 35	+3 35	*0.11	*0.11	0.5	0.6	0.2
1415	Moriches Inlet.....	40 46	72 45	-0 56	-1 11	*0.63	*0.63	2.9	3.5	1.4
1417	Mastic Beach, Moriches Bay.....	40 45	72 50	+3 28	+3 39	*0.11	*0.11	0.5	0.6	0.2
1419	Fire Island Breakwater.....	40 37	73 18	-0 39	-0 51	-0.5	0.0	4.1	5.0	2.0
1421	Democrat Point, Fire Island Inlet.....	40 38	73 18	-0 38	-0 29	*0.57	*0.57	2.6	3.1	1.3
	Great South Bay									
1422	Fire Island Coast Guard Station.....	40 38	73 16	-0 19	-0 17	*0.41	*0.41	1.9	2.3	0.9
1423	Fire Island Radiobeacon.....	40 38	73 13	+0 47	+1 20	*0.15	*0.15	0.7	0.8	0.3
1425	West Fire Island.....	40 39	73 12	+2 11	+2 16	*0.13	*0.13	0.6	0.7	0.3
1427	Point o' Woods.....	40 39	73 08	+2 28	+2 33	*0.15	*0.15	0.7	0.8	0.3
1429	Bellport, Bellport Bay.....	40 45	72 56	+3 44	+4 14	*0.17	*0.17	0.8	1.0	0.4
1431	Patchogue.....	40 45	73 01	+3 23	+3 47	*0.15	*0.15	0.7	0.8	0.3
1433	Sayville (Brown Creek).....	40 44	73 04	+3 39	+3 44	*0.13	*0.13	0.6	0.7	0.3
1435	Great River, Connetquot River.....	40 43	73 09	+3 20	+3 30	*0.15	*0.15	0.7	0.8	0.3
1437	Bay Shore.....	40 43	73 14	+2 23	+2 39	*0.13	*0.13	0.6	0.7	0.3
1439	Oakbeach.....	40 38	73 17	+2 24	+2 56	*0.15	*0.15	0.7	0.8	0.3
1441	Babylon.....	40 41	73 19	+2 12	+2 39	*0.13	*0.13	0.6	0.7	0.3
1443	Gilgo Heading.....	40 37	73 24	+2 23	+2 56	*0.24	*0.24	1.1	1.3	0.5
1445	Amityville.....	40 39	73 25	+2 21	+3 03	*0.26	*0.26	1.2	1.4	0.6
1447	Biltmore Shores, South Oyster Bay.....	40 40	73 28	+2 05	+2 30	*0.30	*0.30	1.4	1.7	0.7
1449	Jones Inlet (Point Lookout).....	40 35	73 35	-0 19	-0 27	*0.78	*0.78	3.6	4.3	1.8
	Hempstead Bay									
1451	Deep Creek Meadow.....	40 36	73 32	+1 02	+1 09	*0.52	*0.52	2.4	2.9	1.2
1453	Green Island.....	40 37	73 30	+1 22	+1 29	*0.41	*0.41	1.9	2.3	0.9
1455	Cuba Island.....	40 37	73 31	+1 08	+1 20	*0.50	*0.50	2.3	2.8	1.1
1457	Bellmore, Bellmore Creek.....	40 40	73 31	+1 29	+1 56	*0.43	*0.43	2.0	2.4	1.0
1459	Neds Creek.....	40 37	73 33	+0 50	+0 52	-1.9	0.0	2.7	3.3	1.3
1461	Freeport Creek.....	40 38	73 34	+0 34	+0 27	-1.5	0.0	3.1	3.8	1.5
1463	Freeport, Baldwin Bay.....	40 38	73 35	+0 38	+0 53	-1.6	0.0	3.0	3.6	1.5
1465	Long Beach.....	40 36	73 39	+0 19	0 00	-0.7	0.0	3.9	4.7	1.9
1467	Long Beach (outer coast).....	40 35	73 39	-0 29	-0 35	-0.1	0.0	4.5	5.4	2.2
	Hempstead Bay-Continued									
1469	East Rockaway.....	40 38	73 40	+0 42	+0 45	-0.7	0.0	3.9	4.7	1.9
1471	Woodmere, Brosewere Bay.....	40 37	73 42	+0 35	+0 48	-0.7	0.0	3.9	4.7	1.9
1473	East Rockaway Inlet.....	40 36	73 44	-0 06	-0 16	-0.5	0.0	4.1	5.0	2.0
	Jamaica Bay									
1475	Plumb Beach Channel.....	40 35	73 55	+0 03	-0 05	+0.3	0.0	4.9	5.9	2.4
1477	Barren Island, Rockaway Inlet.....	40 35	73 53	0 00	-0 06	+0.4	0.0	5.0	6.0	2.5
1479	Beach Channel (bridge).....	40 35	73 49	+0 38	+0 22	+0.5	0.0	5.1	6.2	2.5
1481	Motts Basin.....	40 37	73 46	+0 40	+0 46	+0.8	0.0	5.4	6.5	2.7
1483	Norton Point, Head of Bay.....	40 38	73 45	+0 39	+0 43	+0.8	0.0	5.4	6.5	2.7
1485	J. F. K. International Airport.....	40 37	73 47	+0 26	+0 43	+0.7	0.0	5.3	6.4	2.6
1487	Grassy Bay (bridge).....	40 39	73 50	+0 44	+0 45	+0.6	0.0	5.2	6.3	2.6
1489	Canarsie.....	40 38	73 53	+0 28	+0 06	+0.6	0.0	5.2	6.3	2.6
1491	Mill Basin.....	40 37	73 55	+0 29	+0 02	+0.6	0.0	5.2	6.3	2.6
	NEW YORK and NEW JERSEY New York Harbor									
1493	Coney Island.....	40 34	73 59	-0 03	-0 19	+0.1	0.0	4.7	5.7	2.3
1495	Norton Point, Gravesend Bay.....	40 35	74 00	-0 03	+0 01	+0.1	0.0	4.7	5.7	2.3
1497	Fort Wadsworth, The Narrows.....	40 36	74 03	+0 02	+0 12	-0.3	0.0	4.3	5.2	2.1
1499	Fort Hamilton, The Narrows.....	40 37	74 02	+0 03	+0 05	+0.1	0.0	4.7	5.7	2.3
				on NEW YORK, p.56						
1501	Bay Ridge.....	40 38	74 02	-0 24	-0 24	+0.1	0.0	4.6	5.5	2.3
1503	St. George, Staten Island.....	40 39	74 04	-0 21	-0 18	0.0	0.0	4.5	5.4	2.2
1505	Bayonne, New Jersey.....	40 41	74 06	-0 19	-0 08	0.0	0.0	4.5	5.4	2.2
1507	Gowanus Bay.....	40 40	74 01	-0 19	-0 15	-0.1	0.0	4.4	5.3	2.2
1509	Governors Island.....	40 42	74 01	-0 11	-0 06	-0.1	0.0	4.4	5.3	2.2
1511	NEW YORK (The Battery).....	40 42	74 01	Daily Predictions				4.5	5.4	2.2
	Hudson River <8>									
1513	Jersey City, Con Rail RR. Ferry, N. J...	40 43	74 02	+0 07	+0 07	-0.1	0.0	4.4	5.3	2.2
1515	New York, Desbrosses Street.....	40 43	74 01	+0 10	+0 10	-0.1	0.0	4.4	5.3	2.2
1517	New York, Chelsea Docks.....	40 45	74 01	+0 17	+0 16	-0.2	0.0	4.3	5.2	2.1
1519	Hoboken, Castle Point, N. J.....	40 45	74 01	+0 17	+0 16	-0.2	0.0	4.3	5.2	2.1
1521	Weehawken, Days Point, N. J.....	40 46	74 01	+0 24	+0 23	-0.3	0.0	4.2	5.0	2.1
1523	New York, Union Stock Yards.....	40 47	74 00	+0 27	+0 26	-0.3	0.0	4.2	5.0	2.1
1525	New York, 130th Street.....	40 49	73 58	+0 37	+0 35	-0.5	0.0	4.0	4.8	2.0
1527	George Washington Bridge.....	40 51	73 57	+0 46	+0 43	-0.6	0.0	3.9	4.6	1.9
1529	Spuyten Duyvil, west of RR. bridge.....	40 53	73 56	+0 58	+0 53	-0.7	0.0	3.8	4.5	1.9
1531	Yonkers.....	40 56	73 54	+1 09	+1 10	-0.8	0.0	3.7	4.4	1.8

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	Hudson River <8> Time meridian, 75°W			on NEW YORK, p.56						
1533	Dobbs Ferry	41 01	73 53	+1 29	+1 40	-1.1	0.0	3.4	4.0	1.7
1535	Tarrytown	41 05	73 52	+1 45	+1 54	-1.3	0.0	3.2	3.7	1.6
1537	Ossining	41 10	73 52	+1 53	+2 14	-1.4	0.0	3.1	3.6	1.5
1539	Haverstraw	41 12	73 58	+1 59	+2 25	-1.6	0.0	2.9	3.4	1.4
1541	Peekskill	41 17	73 56	+2 24	+3 00	-1.3	+0.3	2.9	3.4	1.7
1543	West Point	41 24	73 57	+3 16	+3 37	-1.5	+0.3	2.7	3.1	1.6
1545	Newburgh	41 30	74 00	+3 42	+4 00	-1.5	+0.2	2.8	3.2	1.6
1547	New Hamburg	41 35	73 57	+4 00	+4 25	-1.5	+0.1	2.9	3.3	1.5
1549	Poughkeepsie	41 42	73 57	+4 30	+4 43	-1.3	+0.1	3.1	3.5	1.6
1551	Hyde Park	41 47	73 57	+4 56	+5 09	-1.3	0.0	3.2	3.6	1.6
1553	Kingston Point	41 56	73 58	+5 16	+5 31	-0.9	-0.1	3.7	4.2	1.7
1555	Tivoli	42 04	73 56	+5 46	+6 01	-0.8	-0.2	3.9	4.4	1.7
1557	Catskill	42 13	73 51	+6 37	+6 55	-0.7	-0.3	4.1	4.6	1.7
1559	Hudson	42 15	73 48	+6 54	+7 09	-0.9	-0.4	4.0	4.4	1.6
				on ALBANY, p.60						
1561	Coxsackie	42 21	73 48	-1 01	-1 38	-0.5	+0.2	3.9	4.3	2.1
1563	New Baltimore	42 27	73 47	-0 34	-0 56	-0.1	+0.4	4.1	4.5	2.4
1565	Castleton-on-Hudson	42 32	73 46	-0 17	-0 29	-0.2	+0.1	4.3	4.7	2.2
1567	ALBANY	42 39	73 45	Daily predictions				4.6	5.0	2.5
1569	Troy	42 44	73 42	+0 08	+0 10	+0.1	0.0	4.7	5.1	2.3
	The Kills and Newark Bay			on NEW YORK, p.56						
	Kill Van Kull									
1571	Constable Hook	40 39	74 05	-0 34	-0 21	0.0	0.0	4.5	5.4	2.2
1573	New Brighton	40 39	74 05	-0 12	-0 18	0.0	0.0	4.5	5.4	2.2
1575	Port Richmond	40 38	74 08	-0 03	+0 05	0.0	0.0	4.5	5.4	2.2
1577	Bergen Point	40 39	74 08	+0 03	+0 03	+0.1	0.0	4.6	5.5	2.3
1579	Shooters Island	40 39	74 10	+0 06	+0 18	+0.1	0.0	4.6	5.5	2.3
1581	Port Newark Terminal	40 41	74 08	-0 01	+0 18	+0.6	0.0	5.1	6.1	2.5
1583	Newark, Passaic River	40 44	74 10	+0 22	+0 52	+0.6	0.0	5.1	6.1	2.5
1585	Passaic, Gregory Ave. bridge	40 51	74 07	+0 49	+1 57	+0.6	0.0	5.1	6.1	2.5
	Hackensack River									
1586	Kearny Point	40 44	74 06	+0 09	+0 33	+0.5	0.0	5.0	6.0	2.5
1587	Secaucus	40 48	74 04	+1 13	+1 09	+0.6	0.0	5.1	6.1	2.6
1588	Little Ferry	40 51	74 02	+1 22	+1 14	+0.8	0.0	5.3	6.4	2.7
1589	Hackensack	40 53	74 02	+1 33	+1 58	+0.8	0.0	5.3	6.4	2.6
				on SANDY HOOK, p.64						
	Arthur Kill									
1591	Elizabethport	40 39	74 11	+0 25	+0 39	+0.3	0.0	4.9	5.9	2.4
1593	Chelsea	40 36	74 12	+0 24	+0 35	+0.4	0.0	5.0	6.0	2.5
1595	Carteret	40 35	74 13	+0 23	+0 31	+0.5	0.0	5.1	6.2	2.6
1597	Rossville	40 33	74 13	+0 17	+0 25	+0.7	0.0	5.3	6.4	2.6
1599	Tottenville	40 31	74 15	+0 03	+0 13	+0.7	0.0	5.3	6.4	2.6
1601	Perth Amboy	40 30	74 16	+0 13	+0 19	+0.6	0.0	5.2	6.3	2.6
	Lower New York Bay, Raritan Bay, etc.									
1603	New Dorp Beach	40 34	74 06	-0 04	+0 04	+0.3	0.0	4.9	5.9	2.4
1605	Great Kills Harbor	40 33	74 08	+0 07	+0 19	+0.1	0.0	4.7	5.7	2.4
1607	Princes Bay	40 31	74 12	+0 01	+0 04	+0.3	0.0	4.9	5.9	2.4
	Raritan River									
1609	South Amboy	40 29	74 17	+0 05	+0 15	+0.4	0.0	5.0	6.0	2.5
1611	Washington Canal	40 28	74 22	+0 34	+0 50	+1.0	0.0	5.6	6.8	2.8
1613	South River highway bridge	40 27	74 22	+0 55	+1 02	+0.9	0.0	5.5	6.7	2.8
1615	New Brunswick	40 29	74 26	+0 46	+1 26	+1.2	0.0	5.8	7.0	2.9
1617	Keyport	40 26	74 12	+0 08	+0 19	+0.4	0.0	5.0	6.0	2.5
1619	Keansburg	40 27	74 09	-0 03	-0 01	+0.3	0.0	4.9	5.9	2.4
1621	Port Monmouth	40 26	74 05	-0 02	-0 02	+0.2	0.0	4.8	5.8	2.4
1623	Atlantic Highlands	40 25	74 02	-0 01	0 00	+0.1	0.0	4.7	5.7	2.3
1625	SANDY HOOK	40 28	74 01	Daily predictions				4.6	5.6	2.3
	Sandy Hook Bay									
	Shrewsbury River									
1627	Highlands	40 24	73 59	+0 35	+0 55	-0.8	0.0	3.8	4.6	1.9
1629	Red Bank, Navesink River	40 21	74 04	+1 48	+2 23	*0.65	*0.65	3.0	3.6	1.5
1631	Normandie	40 23	73 59	+1 09	+1 45	*0.63	*0.63	2.9	3.5	1.4
1633	Sea Bright	40 21	73 59	+2 10	+2 38	*0.37	*0.37	1.7	2.1	0.8
1635	Branchport, Pleasure Bay	40 19	74 00	+3 00	+3 26	*0.37	*0.37	1.7	2.1	0.8
	NEW JERSEY, Outer Coast									
1637	Sea Bright	40 22	73 58	-0 34	-0 45	-0.2	0.0	4.4	5.3	2.2
1639	Long Branch	40 18	73 59	-0 34	-0 45	-0.2	0.0	4.4	5.3	2.2

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	NEW JERSEY, Outer Coast Time meridian, 75°W			on SANDY HOOK, p.64						
1641	Asbury Park	40 13	74 00	-0 34	-0 45	-0.3	0.0	4.3	5.2	2.1
1643	Shark River Inlet (entrance)	40 11	74 01	-0 18	-0 36	-0.6	0.0	4.0	4.8	2.0
1645	Municipal Boat Basin, Shark River	40 11	74 02	+0 27	+0 36	-0.9	0.0	3.7	4.4	1.8
1647	Sea Girt	40 08	74 02	-0 34	-0 45	-0.3	0.0	4.3	5.2	2.1
1649	Manasquan Inlet	40 06	74 02	-0 12	-0 36	-0.6	0.0	4.0	4.8	2.0
	Manasquan River									
1651	Railroad bridge	40 06	74 03	+0 20	+0 05	-1.1	0.0	3.5	4.2	1.7
1653	Riviera Beach	40 06	74 05	+0 51	+1 25	-1.5	0.0	3.1	3.8	1.5
1655	Seaside Park (ocean)	39 55	74 05	-0 33	-0 44	-0.4	0.0	4.2	5.1	2.1
	Barnegat Bay									
1657	Mantoloking	40 02	74 03	+5 34	+5 34	*0.11	*0.11	0.5	0.6	0.2
1659	Coates Point, highway bridge	39 57	74 07	+4 19	+4 28	*0.11	*0.11	0.5	0.6	0.2
1661	Toms River (town)	39 57	74 12	+4 37	+4 47	*0.13	*0.13	0.6	0.7	0.3
1663	Waretown	39 47	74 11	+2 33	+2 49	*0.13	*0.13	0.6	0.7	0.3
1665	Oyster Cr. Chan. (off Sedge Island)	39 47	74 08	+2 16	+2 17	*0.13	*0.13	0.6	0.7	0.3
1667	Barnegat Inlet	39 46	74 06	-0 20	-0 21	-1.5	0.0	3.1	3.8	1.5
1669	Harvey Cedars	39 42	74 08	+3 15	+4 02	*0.17	*0.17	0.8	1.0	0.4
	Little Egg Harbor									
1671	Manahawkin Bridge	39 39	74 11	+2 33	+3 20	*0.33	*0.33	1.5	1.8	0.7
1673	Long Point	39 36	74 16	+1 48	+1 56	*0.48	*0.48	2.2	2.7	1.1
1675	Tuckerton Creek entrance	39 35	74 20	+1 40	+1 54	*0.52	*0.52	2.4	2.9	1.2
1677	Beach Haven	39 34	74 15	+1 47	+2 01	*0.48	*0.48	2.2	2.7	1.1
1679	Holgate	39 32	74 16	+1 11	+1 07	*0.57	*0.57	2.6	3.1	1.3
	Great Bay									
1681	Little Egg Inlet	39 30	74 18	-0 01	-0 03	-0.9	0.0	3.7	4.5	1.8
1683	Seven Islands	39 31	74 20	+0 12	+0 16	-1.2	0.0	3.4	4.1	1.7
1685	Graveling Point	39 32	74 24	+1 05	+1 18	-1.2	0.0	3.4	4.1	1.7
1687	Mullica River, highway bridge	39 33	74 28	+1 55	+2 12	-1.3	0.0	3.3	4.0	1.6
1689	Main Marsh Thorofare	39 29	74 23	+1 04	+1 30	-1.3	0.0	3.3	4.0	1.6
1691	Brigantine Channel	39 27	74 21	+0 01	+0 03	-1.1	0.0	3.5	4.2	1.7
1693	Grassy Bay	39 26	74 24	+1 08	+1 11	-1.2	0.0	3.4	4.1	1.7
1695	Absecon Creek entrance, Absecon Bay	39 25	74 29	+1 04	+1 17	-1.0	0.0	3.6	4.4	1.8
1697	Broad Creek, Middle Thorofare	39 24	74 26	+0 55	+0 33	-1.2	0.0	3.4	4.1	1.7
1699	Absecon Inlet (Gardner Basin)	39 23	74 25	+0 14	-0 01	-1.0	0.0	3.6	4.4	1.8
1701	Beach Thorofare (railroad bridges)	39 22	74 27	+0 52	+0 40	-0.8	0.0	3.8	4.6	1.9
1703	Atlantic City, Steel Pier	39 21	74 25	-0 26	-0 35	-0.5	0.0	4.1	5.0	2.0
1705	Chelsea (highway bridge)	39 21	74 28	+0 49	+0 45	-0.6	0.0	4.0	4.8	2.0
1707	Beach Thorofare (Shelter Island)	39 21	74 30	+0 39	+0 32	-0.7	0.0	3.9	4.7	1.9
1709	Dock Thorofare (bridge)	39 21	74 32	+0 48	+0 32	-0.8	0.0	3.8	4.6	1.9
1711	Longport (inside)	39 18	74 32	+0 05	-0 01	-0.7	0.0	3.9	4.7	2.0
1713	Great Egg Harbor Inlet	39 18	74 34	+0 12	-0 05	-0.8	0.0	3.8	4.6	1.9
1715	Ocean City (9th Street bridge)	39 17	74 35	+0 24	+0 19	-0.9	0.0	3.7	4.5	1.8
1717	Great Egg Harbor Bay	39 18	74 38	+0 44	+0 57	-1.0	0.0	3.6	4.4	1.8
	Great Egg Harbor River									
1719	Scull Landing	39 22	74 43	+1 43	+1 54	-0.9	0.0	3.7	4.5	1.8
1721	Mays Landing	39 27	74 44	+2 34	+2 39	-0.6	0.0	4.0	4.8	2.0
1723	Peck Bay (34th Street bridge)	39 15	74 38	+0 51	+1 02	-0.9	0.0	3.7	4.5	1.8
1725	Devils Island, Crook Horn Creek	39 14	74 39	+0 37	+0 22	-1.0	0.0	3.6	4.4	1.8
1727	Corson Inlet (bridges)	39 13	74 39	+0 09	+0 04	-0.7	0.0	3.9	4.7	1.9
1729	Ben Hands Thorofare	39 12	74 40	+0 48	+0 32	-0.9	0.0	3.7	4.5	1.8
1731	Sea Isle City (Ludlam Thoro. bridge)	39 09	74 42	+0 45	+0 49	-0.8	0.0	3.8	4.6	1.9
1733	Sea Isle City (beach)	39 09	74 41	-0 19	-0 19	-0.5	0.0	4.1	5.0	2.0
1735	Townsends Inlet	39 07	74 43	+0 06	+0 04	-0.8	0.0	3.8	4.6	1.9
1737	Long Reach	39 06	74 45	+0 53	+0 53	-0.8	0.0	3.8	4.6	1.9
1739	Great Sound (ent. to Cresse Thoro.)	39 05	74 47	+1 03	+1 05	-0.5	0.0	4.1	5.0	2.0
1741	Stone Harbor (Great Chan. bridge)	39 03	74 46	+0 42	+0 26	-0.5	0.0	4.1	5.0	2.0
1743	Hereford Inlet (North Wildwood)	39 01	74 48	+0 02	+0 02	-0.5	0.0	4.1	5.0	2.0
1745	Wildwood (beach)	38 59	74 48	-0 15	-0 19	-0.5	0.0	4.1	5.0	2.0
1747	Grassy Sound Channel (hwy. bridge)	39 02	74 49	+0 40	+0 28	-0.5	0.0	4.1	5.0	2.0
1749	West Wildwood (Grassy Sound bridge)	39 00	74 50	+0 45	+0 29	-0.3	0.0	4.3	5.2	2.1
1751	Swain Channel	38 59	74 52	+0 54	+0 27	-0.2	0.0	4.4	5.3	2.2
1753	Cape May Harbor	38 57	74 53	-0 02	-0 16	-0.2	0.0	4.4	5.3	2.2
1755	Cape May, Municipal Pier	38 56	74 55	+0 02	-0 17	-0.3	0.0	4.3	5.2	2.1
	NEW JERSEY and DELAWARE Delaware Bay, Eastern Shore			on BREAKWATER HARBOR, p.68						
1757	Five Fathom Bank	38 51	74 38	-0 43	-0 38	0.0	0.0	4.1	4.9	2.0
1759	McCrie Shoal	38 51	74 51	-0 22	-0 21	+0.2	0.0	4.3	5.2	2.1
1761	Cape May Point	38 56	74 58	-0 10	-0 04	+0.6	0.0	4.7	5.6	2.3
1762	Cape May, ferry terminal	38 58	74 58	-0 04	-0 01	+0.8	0.0	4.9	5.8	2.4
1763	Bay Shore Channel	38 58	74 58	-0 09	-0 03	+0.8	0.0	4.9	5.8	2.4
1765	Miami Beach	39 02	74 56	+0 17	+0 26	+1.0	0.0	5.1	6.1	2.5
1767	Dennis Creek entrance	39 10	74 54	+0 48	+1 04	+1.5	0.0	5.6	6.6	2.8
1769	East Point, Maurice River Cove	39 12	75 02	+0 53	+1 12	+1.6	0.0	5.7	6.7	2.8
	Maurice River									
1771	Port Norris	39 14	75 02	+1 14	+1 38	+1.6	0.0	5.7	6.7	2.8
1773	Mauricetown	39 17	75 00	+1 48	+2 21	+1.7	0.0	5.8	6.8	2.9
1775	Millville	39 24	75 02	+2 37	+3 23	+1.9	0.0	6.0	7.0	3.0
1777	Egg Island Point	39 11	75 08	+0 33	+1 02	+1.6	0.0	5.7	6.7	2.8

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	NEW JERSEY and DELAWARE Delaware Bay, Eastern Shore Time meridian, 75°W			on REEDY POINT, p.72						
1779	Fortescue	39 14	75 10	-2 05	-2 19	+0.4	0.0	5.9	7.0	2.9
1781	Ben Davis Point	39 17	75 17	-1 40	-1 49	+0.5	0.0	6.0	6.9	3.0
	Cohansey River									
1783	Entrance	39 21	75 22	-1 30	-1 29	+0.5	0.0	6.0	6.9	3.0
1785	Laning Wharf	39 23	75 20	-1 10	-1 14	+0.5	0.0	6.0	6.8	3.0
1787	Fairton	39 23	75 14	+0 05	-0 24	+0.7	0.0	6.2	7.0	3.1
1789	Bridgeton	39 25	75 14	+0 27	-0 13	+1.0	0.0	6.5	7.3	3.2
1791	Bay Side	39 23	75 24	-1 23	-1 22	+0.6	0.0	6.1	6.9	3.0
	DEL., N.J., and PA. Delaware Bay, Central Lighthouses			on BREAKWATER HARBOR, p.68						
1793	Brandywine Shoal Light	38 59	75 07	+0 09	+0 28	+0.8	0.0	4.9	5.9	2.4
1795	Fourteen Foot Bank Light	39 03	75 11	+0 18	+0 48	+1.1	0.0	5.2	6.2	2.6
1797	Miah Maull Shoal Light	39 08	75 13	+0 28	+1 08	+1.4	0.0	5.5	6.5	2.7
1799	Elbow of Cross Ledge Light	39 11	75 16	+0 40	+1 21	+1.5	0.0	5.6	6.5	2.8
				on REEDY POINT, p.72						
1801	Ship John Shoal Light	39 18	75 23	-1 32	-1 36	+0.2	0.0	5.7	6.6	2.8
	Delaware Bay, Western Shore			on BREAKWATER HARBOR, p.68						
1803	Cape Henlopen	38 48	75 05	-0 05	-0 05	0.0	0.0	4.1	4.9	2.0
1805	BREAKWATER HARBOR	38 47	75 06	Daily predictions				4.1	4.9	2.1
1807	Roosevelt Inlet	38 49	75 12	+0 09	+0 13	+0.3	0.0	4.4	5.2	2.2
1809	Mispillion River entrance	38 57	75 19	+0 33	+1 00	+0.5	0.0	4.6	5.4	2.3
1811	Murderkill River entrance	39 04	75 24	+0 56	+1 32	+0.7	0.0	4.8	5.7	2.4
1813	St. Jones River entrance	39 04	75 24	+0 57	+1 33	+0.7	0.0	4.8	5.7	2.4
1815	Mahon River entrance	39 11	75 24	+1 13	+1 52	+1.3	0.0	5.4	6.3	2.7
1817	Leipsic River entrance	39 15	75 24	+1 18	+1 59	+1.4	0.0	5.5	6.4	2.7
1819	Leipsic, Leipsic River	39 15	75 31	+3 42	+3 50	-0.6	0.0	3.5	4.0	1.7
				on REEDY POINT, p.72						
1821	Woodland Beach	39 20	75 28	-1 15	-1 14	+0.4	0.0	5.9	6.8	2.9
	Delaware River									
1823	Liston Point	39 25	75 32	-0 55	-0 59	+0.2	0.0	5.7	6.4	2.8
1825	Taylors Bridge, Blackbird Creek	39 24	75 36	+1 47	+0 54	-2.6	0.0	2.9	3.3	1.4
1827	Reedy Island	39 31	75 34	-0 16	-0 16	+0.1	0.0	5.6	6.2	2.8
1831	Salem, Salem River	39 35	75 28	+0 19	+0 20	+0.1	0.0	5.6	6.1	2.8
1833	REEDY POINT	39 34	75 34	Daily predictions				5.5	6.0	2.7
	Chesapeake and Delaware Canal									
1835	Biddle Point, Delaware	39 33	75 37	-0 05	+0 01	-0.4	0.0	5.1	5.5	2.5
1837	Summit Bridge, Delaware	39 33	75 44	-0 34	-0 55	*0.64	*0.64	3.5	3.9	1.7
1839	Chesapeake City, Maryland	39 32	75 49	-0 30	-1 06	*0.49	*0.49	2.7	3.0	1.4
1841	Pea Patch Island, Delaware	39 35	75 34	+0 08	+0 12	0.0	0.0	5.5	6.0	2.7
1843	New Castle, Delaware	39 39	75 34	+0 30	+0 49	+0.1	0.0	5.6	6.0	2.8
1845	Deepwater Point, N. J.	39 42	75 31	+0 46	+1 11	+0.1	0.0	5.6	6.0	2.8
1847	Christina River entrance, Del	39 43	75 31	+0 51	+1 16	+0.1	0.0	5.6	5.9	2.8
1849	Wilmington, Christina River, Del	39 44	75 33	+0 56	+1 27	+0.2	0.0	5.7	6.0	2.8
1851	Edgemoor, Del	39 45	75 30	+0 56	+1 27	+0.1	0.0	5.6	5.9	2.8
1853	Oldmans Point, N. J.	39 46	75 28	+1 03	+1 34	+0.1	0.0	5.6	5.9	2.8
				on PHILADELPHIA, p.76						
1855	Marcus Hook, Pa.	39 49	75 25	-1 12	-1 06	-0.6	0.0	5.6	5.9	2.8
1857	Chester, Pa.	39 51	75 21	-0 51	-0 45	-0.5	0.0	5.7	6.0	2.8
1859	Billingsport, N. J.	39 51	75 14	-0 31	-0 25	-0.5	0.0	5.7	6.0	2.8
1861	Fort Mifflin, Pa.	39 52	75 13	-0 21	-0 15	-0.5	0.0	5.7	6.0	2.8
	Schuylkill River									
1863	Girard Point, Pa.	39 54	75 12	-0 17	-0 10	-0.5	0.0	5.7	6.0	2.8
1865	Point Breeze, Pa.	39 55	75 12	-0 13	-0 05	-0.5	0.0	5.7	6.0	2.8
1867	Grays Ferry Bridge, Pa.	39 57	75 12	-0 07	+0 01	-0.4	0.0	5.8	6.1	2.9
1869	Fairmount Bridge, Pa.	39 58	75 11	+0 02	+0 11	-0.4	0.0	5.8	6.1	2.9
1871	Philadelphia, South Broad St., Pa.	39 53	75 11	-0 17	-0 11	-0.4	0.0	5.8	6.1	2.9
1873	Gloucester City, N. J.	39 54	75 08	-0 05	+0 02	-0.4	0.0	5.8	6.1	2.9
1875	Philadelphia, Washington Ave., Pa.	39 56	75 08	+0 04	+0 11	-0.3	0.0	5.9	6.2	3.0
1877	PHILADELPHIA, Pier 11 North, Pa.	39 57	75 08	Daily predictions				6.2	6.6	3.1
1879	Camden, Cooper Point, N. J.	39 57	75 08	+0 12	+0 19	-0.3	0.0	5.9	6.2	3.0
1881	Philadelphia, Pier 80 N (old site), Pa.	39 58	75 07	+0 18	+0 26	-0.3	0.0	5.9	6.2	3.0
1883	Philadelphia, Bridesburg, Pa.	40 00	75 04	+0 34	+0 43	-0.2	0.0	6.0	6.3	3.0
1885	Torresdale, Pa.	40 03	74 59	+1 06	+1 17	0.0	0.0	6.2	6.5	3.1

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	NEW JERSEY and PENNSYLVANIA Delaware River-Continued Time meridian, 75°W			on PHILADELPHIA, p.76						
1887	Burlington, N. J.	40 05	74 52	+1 30	+1 43	+0.2	0.0	6.4	6.7	3.2
1889	Bristol, Pa.	40 06	74 51	+1 37	+1 51	+0.3	0.0	6.5	6.8	3.3
1891	Florence, N. J.	40 07	74 48	+1 47	+2 05	+0.4	0.0	6.6	6.9	3.3
1893	Bordentown, N. J.	40 09	74 43	+1 49	+2 15	+0.5	0.0	6.7	7.0	3.3
1895	Trenton, N. J.	40 11	74 45	+1 55	+2 40	+0.6	0.0	6.8	7.1	3.4
	DELAWARE, Outer Coast			on SANDY HOOK, p.64						
1897	Rehoboth Beach	38 43	75 05	-0 07	-0 21	-0.7	0.0	3.9	4.7	1.9
	Indian River									
1899	Inlet (bridge)	38 37	75 04	+0 34	-0 18	*0.59	*0.59	2.7	3.2	1.3
1900	Inlet (Coast Guard Station)	38 37	75 04	+0 41	+0 18	*0.46	*0.46	2.1	2.5	1.1
1901	Oak Orchard	38 36	75 10	+2 44	+3 11	*0.20	*0.20	0.9	1.1	0.5
1903	Possum Point	38 35	75 16	+3 09	+4 00	*0.22	*0.22	1.0	1.2	0.5
1905	Rehoboth Bay	- - -	- - -	- - -	- - -	- -	- -	0.5	0.6	0.2
1907	Fenwick Island Light	38 27	75 03	-0 13	-0 19	-0.9	0.0	3.7	4.5	1.8
	MARYLAND, Outer Coast									
1909	Ocean City (outer coast)	38 20	75 05	-0 28	-0 30	-1.2	0.0	3.4	4.1	1.7
1910	Ocean City (Isle of Wight Bay)	38 20	75 05	-0 14	-0 25	-2.4	0.0	2.2	2.7	1.1
1911	North Beach Coast Guard Station	38 12	75 09	-0 28	-0 29	-1.2	0.0	3.4	4.1	1.7
	MARYLAND and VIRGINIA Chincoteague Bay									
1913	Assateague Beach, Toms Cove	37 52	75 22	+0 06	+0 16	-1.0	0.0	3.6	4.4	1.8
1915	Chincoteague Point	37 54	75 25	+0 05	+0 11	*0.57	*0.57	2.6	3.1	1.3
1917	Bogues Bay, Chincoteague Inlet	37 53	75 30	+0 38	+0 57	-1.6	0.0	3.0	3.6	1.5
1918	Wishart Point, Bogues Bay	37 53	75 30	+0 20	+0 42	-2.0	0.0	2.6	3.1	1.3
1919	Chincoteague, Chincoteague Channel	37 56	75 23	+0 40	+0 47	*0.37	*0.37	1.7	2.1	0.9
1921	Piney Island, Assateague Channel	37 56	75 21	+1 05	+1 13	*0.46	*0.46	2.1	2.5	1.0
1923	Greenbackville	38 00	75 23	+2 19	+2 48	*0.13	*0.13	0.6	0.7	0.3
1925	George Island Landing	38 02	75 22	+2 53	+3 02	*0.13	*0.13	0.6	0.7	0.3
1927	Assacorkin Island	38 04	75 19	+3 33	+3 42	*0.09	*0.09	0.4	0.5	0.2
1928	Public Landing	38 09	75 17	+4 58	+5 27	*0.09	*0.09	0.4	0.5	0.2
	VIRGINIA, Outer Coast									
1929	Wallops Island	37 50	75 29	-0 23	-0 32	-1.0	0.0	3.6	4.4	1.8
1930	Gargathy Neck	37 47	75 34	+1 05	+0 56	-1.6	0.0	3.0	3.6	1.5
1931	Metomkin Inlet	37 40	75 36	+0 35	+0 12	-1.0	0.0	3.6	4.4	1.8
1932	Folly Creek, Metomkin Inlet	37 42	75 38	+0 58	+0 41	-1.3	0.0	3.3	4.0	1.7
1933	Wachapreague Inlet (inside)	37 35	75 37	+0 09	+0 03	-0.7	0.0	3.9	4.7	1.9
1935	Quinby Inlet entrance	37 28	75 40	+0 04	-0 12	-0.6	0.0	4.0	4.8	2.0
1937	The Swash, south end	37 30	75 40	+0 19	+0 14	-0.7	0.0	3.9	4.7	1.9
1939	Great Machipongo Inlet (inside)	37 24	75 43	+0 36	+0 23	-0.7	0.0	3.9	4.7	1.9
1941	Upshur Neck, south end	37 28	75 48	+0 50	+0 52	-0.2	0.0	4.4	5.3	2.2
1943	Sand Shoal Inlet (Coast Guard Station)	37 18	75 47	+0 08	-0 11	-0.5	0.0	4.1	4.9	2.0
1945	Ship Shoal Inlet	37 13	75 48	+0 26	+0 09	-0.6	0.0	4.0	4.8	2.0
1947	Smith Island (Coast Guard Station)	37 07	75 55	+0 23	+0 59	-1.1	0.0	3.5	4.2	1.7
	Chesapeake Bay, Eastern Shore			on HAMPTON ROADS, p.88						
1949	Fishermans Island	37 06	75 59	-0 43	-0 55	+0.5	0.0	3.0	3.6	1.5
1951	Kiptopeke Beach (ferry)	37 10	75 59	-0 36	-0 30	+0.2	0.0	2.7	3.2	1.4
1953	Old Plantation Flats	37 14	76 03	-0 23	-0 10	-0.1	0.0	2.4	2.9	1.2
1955	Cape Charles Harbor	37 16	76 01	-0 14	+0 02	-0.1	0.0	2.4	2.9	1.2
1957	Nassawadox Creek	37 28	75 58	+1 00	+0 53	-0.7	0.0	1.8	2.2	0.9
1959	Gaskins Point, Occohannock Creek	37 33	75 55	+1 36	+2 08	-0.8	0.0	1.7	2.0	0.9
1961	Pungoteague Creek	37 40	75 50	+2 26	+2 42	-0.8	0.0	1.7	2.0	0.8
1963	Onancock, Onancock Creek	37 43	75 45	+2 56	+3 14	-0.7	0.0	1.8	2.2	0.9
1965	Watts Island	37 48	75 54	+3 03	+3 07	-0.9	0.0	1.6	1.9	0.8
1967	Tangier Sound Light	37 47	75 58	+2 55	+2 53	*0.64	*0.64	1.6	1.9	0.8
1969	Muddy Creek Entrance	37 51	75 40	+3 18	+3 48	-0.3	0.0	2.2	2.6	1.1
1970	Guard Shore	37 51	75 42	+3 07	+3 42	-0.2	0.0	2.3	2.7	1.2
	MARYLAND Chesapeake Bay, Eastern Shore									
1971	Ape Hole Creek, Pocomoke Sound	37 58	75 49	+3 28	+3 53	-0.2	0.0	2.3	2.8	1.1
	Pocomoke River									
1973	Shelltown	37 59	75 38	+3 33	+4 11	-0.1	0.0	2.4	2.9	1.2
1975	Pocomoke City	38 05	75 34	+5 50	+6 10	-0.9	0.0	1.6	2.0	0.8
1976	Snowhill, city park	38 10	75 24	+7 36	+7 48	-0.6	0.0	1.9	2.3	1.0
1977	Janes Island Light	37 58	75 55	+3 55	+3 55	-0.7	0.0	1.8	2.2	0.9
1979	Crisfield, Little Annemessex River	37 59	75 52	+3 51	+4 00	-0.5	0.0	2.0	2.4	1.0

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NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	MARYLAND Chesapeake Bay, Eastern Shore Time meridian, 75°W			on HAMPTON ROADS, p.88						
1981	Long Point, Big Annemessex River.....	38 03	75 48	+4 20	+4 41	-0.4	0.0	2.1	2.5	1.0
1983	Teague Creek, Manokin River.....	38 06	75 50	+4 39	+5 00	-0.4	0.0	2.1	2.5	1.0
1985	Ewell, Smith Island.....	38 00	76 02	+4 00	+4 26	*0.64	*0.64	1.6	1.9	0.8
1987	Solomons Lump Light.....	38 03	76 01	+4 17	+4 20	-0.8	0.0	1.7	2.0	0.8
1989	Holland Island Bar Light.....	38 04	76 06	+4 17	+4 25	*0.56	*0.56	1.4	1.7	0.7
1990	Chance.....	38 10	75 57	+4 41	+4 53	-0.3	0.0	2.2	2.6	1.1
1991	Sharkfin Shoal Light.....	38 12	75 59	+4 47	+5 01	-0.3	0.0	2.2	2.6	1.1
1993	Great Shoals Light, Monie Bay.....	38 13	75 53	+5 01	+5 17	-0.2	0.0	2.3	2.8	1.2
	Wicomico River									
1995	Whitehaven.....	38 16	75 47	+5 28	+5 42	-0.1	0.0	2.4	2.9	1.2
1997	Salisbury.....	38 22	75 36	+6 22	+6 19	+0.5	0.0	3.0	3.6	1.5
	Nanticoke River									
1999	Roaring Point.....	38 16	75 55	+5 01	+5 30	-0.2	0.0	2.3	2.8	1.2
2001	Vienna.....	38 29	75 49	+7 42	+7 45	-0.3	0.0	2.2	2.6	1.1
2003	Sharptown.....	38 32	75 43	+8 20	+8 23	0.0	0.0	2.5	3.0	1.3
2005	Fishing Point, Fishing Bay.....	38 18	76 01	+5 05	+5 29	0.0	0.0	2.5	3.0	1.2
2007	Hooper Strait Light.....	38 14	76 05	+4 56	+5 02	-0.8	0.0	1.7	2.0	0.8
				on BALTIMORE, p.80						
2009	Hooper Island Light.....	38 15	76 15	-5 07	-5 23	+0.4	0.0	1.5	1.8	0.7
2010	Hooper Island.....	38 18	76 12	-5 00	-4 51	+0.4	0.0	1.5	1.7	0.8
2011	Barren Island.....	38 20	76 16	-4 52	-5 07	+0.2	0.0	1.3	1.5	0.6
	Little Choptank River									
2013	Taylors Island, Slaughter Creek.....	38 28	76 18	-3 09	-3 25	+0.1	0.0	1.2	1.4	0.6
2015	Woolford, Church Creek.....	38 30	76 10	-3 25	-3 10	+0.3	0.0	1.4	1.6	0.7
2017	Cherry Island, Beckwiths Creek.....	38 34	76 13	-3 21	-3 11	+0.2	0.0	1.3	1.5	0.6
2019	Hudson Creek.....	38 35	76 15	-3 49	-3 31	+0.3	0.0	1.4	1.6	0.7
2021	Sharps Island Light.....	38 38	76 23	-3 51	-4 00	+0.2	0.0	1.3	1.5	0.6
	Choptank River									
2023	Choptank River Light.....	38 39	76 11	-3 17	-3 18	+0.3	0.0	1.4	1.6	0.7
2025	Cambridge.....	38 34	76 04	-2 44	-2 39	+0.5	0.0	1.6	1.8	0.8
2027	Choptank.....	38 41	75 57	-2 13	-1 58	+0.5	0.0	1.6	1.8	0.8
2029	Dover Bridge.....	38 45	76 00	-0 38	-0 53	+0.6	0.0	1.7	1.9	0.9
2031	Denton.....	38 53	75 50	+0 13	+0 22	+1.1	0.0	2.2	2.5	1.1
2033	Greensboro.....	38 58	75 49	+1 18	+1 08	+1.4	0.0	2.5	2.9	1.2
2035	Wayman Wharf, Tuckahoe Creek.....	38 53	75 57	+0 53	+0 25	+1.3	0.0	2.4	2.8	1.2
	Tred Avon River									
2037	Oxford.....	38 42	76 10	-3 05	-3 00	+0.3	0.0	1.4	1.6	0.7
2039	Easton Point.....	38 46	76 06	-2 59	-2 50	+0.5	0.0	1.6	1.8	0.8
2041	Deep Neck Point, Broad Creek.....	38 44	76 14	-3 10	-3 01	+0.3	0.0	1.4	1.6	0.7
2043	St. Michaels, San Domingo Creek.....	38 46	76 14	-3 08	-3 06	+0.3	0.0	1.4	1.6	0.7
2045	Avalon, Dogwood Harbor.....	38 42	76 20	-3 08	-3 03	+0.2	0.0	1.3	1.5	0.6
2047	Poplar Island.....	38 46	76 23	-3 12	-3 18	+0.1	0.0	1.2	1.3	0.6
2049	Ferry Cove, Eastern Bay.....	38 46	76 20	-3 01	-3 04	-0.1	0.0	1.0	1.2	0.5
2051	Claiborne, Eastern Bay.....	38 50	76 17	-2 40	-2 43	0.0	0.0	1.1	1.3	0.5
2053	St. Michaels, Miles River.....	38 47	76 13	-2 18	-2 08	+0.1	0.0	1.2	1.4	0.6
2055	Wye Landing, Wye East River.....	38 54	76 06	-2 05	-1 51	+0.2	0.0	1.3	1.5	0.6
2057	Kent Island Narrows.....	38 58	76 15	-1 44	-1 38	+0.1	0.0	1.2	1.4	0.6
2058	Matapeake, Kent Island.....	38 58	76 21	-1 24	-1 49	-0.1	0.0	1.0	1.2	0.5
2059	Bloody Point Bar Light.....	38 50	76 24	-2 46	-2 54	0.0	0.0	1.1	1.3	0.5
	Chester River									
2061	Love Point.....	39 02	76 18	-0 24	-0 46	0.0	0.0	1.1	1.3	0.6
2063	Queenstown.....	39 00	76 10	-0 08	-0 24	+0.2	0.0	1.3	1.5	0.6
2065	Shipyard Landing, Langford Creek....	39 10	76 11	+0 14	+0 05	+0.4	0.0	1.5	1.7	0.7
2067	Centreville Landing, Corsica River..	39 03	76 04	+0 06	-0 01	+0.5	0.0	1.6	1.8	0.8
2069	Cliffs Point.....	39 06	76 08	-0 02	-0 17	+0.4	0.0	1.5	1.7	0.7
2070	Cliffs Wharf.....	39 07	76 08	-0 02	-0 14	+0.4	0.0	1.5	1.7	0.8
2071	Chestertown.....	39 12	76 04	+0 43	+0 24	+0.7	0.0	1.8	2.1	0.9
2073	Crumpton.....	39 15	75 56	+1 18	+1 13	+1.3	0.0	2.4	2.8	1.2
2075	Millington.....	39 15	75 50	+2 03	+2 30	+0.9	0.0	2.0	2.3	1.0
2077	Deep Landing, Swan Creek.....	39 09	76 16	-0 12	-0 19	0.0	0.0	1.1	1.3	0.5
2079	Tolchester.....	39 13	76 15	+0 24	+0 13	+0.1	0.0	1.2	1.4	0.6
2081	Worton Creek entrance.....	39 18	76 10	+1 07	+1 03	+0.2	0.0	1.3	1.5	0.6
	Sassafras River									
2083	Betterton.....	39 22	76 04	+2 27	+2 08	+0.5	0.0	1.6	1.8	0.8
2085	Georgetown.....	39 22	75 53	+2 01	+1 55	+0.9	0.0	2.0	2.3	1.0
	Elk River									
2087	Town Point Neck.....	39 30	75 55	+3 16	+3 00	+1.0	0.0	2.1	2.4	1.0
2089	Courthouse Point.....	39 31	75 53	+2 49	+2 38	+1.1	0.0	2.2	2.5	1.1
	C & D Canal (See Delaware River)....	- - -	- - -	- - -	- - -	- -	- -	- -	- -	- -
2091	Old Frenchtown Wharf.....	39 34	75 51	+3 00	+2 45	+1.2	0.0	2.3	2.6	1.1
2093	Charlestown, Northeast River.....	39 34	75 58	+3 38	+3 48	+0.8	0.0	1.9	2.2	0.9
	Chesapeake Bay, Western Shore									
	Susquehanna River									
2095	Havre de Grace.....	39 32	76 05	+3 10	+3 30	+0.7	0.0	1.8	2.0	0.9
2097	Port Deposit.....	39 36	76 07	+4 00	+4 48	+1.0	0.0	2.1	2.4	1.0

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Chesapeake Bay, Western Shore Time meridian, 75°W			on BALTIMORE, p.80						
2099	Fishing Battery Light	39 30	76 05	+2 29	+2 31	+1.0	0.0	2.1	2.4	1.0
2101	Pond Point	39 23	76 15	+1 33	+1 32	+0.3	0.0	1.4	1.6	0.7
2103	Pooles Island	39 17	76 16	+0 51	+0 39	+0.1	0.0	1.2	1.4	0.6
2105	Battery Point, Gunpowder River	39 20	76 20	+1 00	+1 00	+0.1	0.0	1.2	1.4	0.6
2107	Bowley Bar, Middle River	39 18	76 23	+0 47	+0 33	+0.1	0.0	1.2	1.4	0.6
2109	Rocky Point, Back River	39 15	76 24	+0 42	+0 28	0.0	0.0	1.1	1.2	0.5
2111	Sevenfoot Knoll Light	39 09	76 25	-0 10	-0 20	-0.2	0.0	0.9	1.1	0.4
	Patapsco River									
2113	North Point	39 12	76 27	0 00	-0 08	-0.1	0.0	1.0	1.2	0.5
2115	Fort Carroll	39 13	76 31	-0 01	+0 01	0.0	0.0	1.1	1.3	0.6
2117	BALTIMORE, Fort McHenry	39 16	76 35	Daily predictions				1.1	1.3	0.6
2119	Fells Point, Baltimore Harbor	39 17	76 35	+0 05	+0 06	+0.1	0.0	1.2	1.3	0.6
2121	Middle Branch, Baltimore Harbor	39 16	76 38	+0 22	+0 18	-0.1	0.0	1.0	1.2	0.5
2123	Mountain Point, Magothy River	39 04	76 26	-0 18	-0 19	-0.3	0.0	0.8	1.0	0.4
2125	Sandy Point	39 01	76 23	-1 25	-1 35	-0.3	0.0	0.8	0.9	0.4
2127	Greenbury Point Shoal Light	38 58	76 27	-1 50	-2 00	-0.3	0.0	0.8	0.9	0.4
	Severn River									
2128	Cedar Point	39 04	76 34	-0 51	-0 59	-0.4	0.0	0.7	0.8	0.4
2129	Brewer Point	39 02	76 32	-1 04	-1 10	-0.3	0.0	0.8	0.9	0.4
2130	Annapolis	38 59	76 29	-1 36	-1 51	-0.2	0.0	0.9	1.0	0.4
2131	Bay Ridge	38 56	76 27	-2 05	-2 15	-0.3	0.0	0.8	1.0	0.4
2133	Thomas Point Shoal Light	38 54	76 26	-2 08	-2 26	-0.2	0.0	0.9	1.0	0.4
2135	Edgewater, South River	38 57	76 33	-2 05	-2 22	-0.2	0.0	0.9	1.0	0.4
2136	Gingerville Creek, South River	38 58	76 33	-2 13	-2 10	-0.1	0.0	1.0	1.1	0.5
2137	Rhode River (County Wharf)	38 53	76 32	-2 08	-2 24	-0.1	0.0	1.0	1.1	0.5
2139	Shady Side, West River	38 51	76 31	-2 02	-1 58	-0.2	0.0	0.9	1.0	0.4
2141	Galesville, West River	38 50	76 32	-1 52	-1 48	-0.2	0.0	0.9	1.0	0.4
2143	Fairhaven, Herring Bay	38 45	76 33	-2 59	-3 11	-0.2	0.0	0.9	1.0	0.4
2144	Rose Haven	38 43	76 32	-2 51	-2 59	-0.2	0.0	0.9	1.0	0.4
2145	Chesapeake Beach	38 41	76 32	-2 56	-3 14	-0.1	0.0	1.0	1.1	0.5
2147	Plum Point	38 37	76 31	-3 34	-3 43	-0.2	0.0	0.9	1.0	0.4
2149	Long Beach	38 28	76 28	-4 14	-4 22	-0.1	0.0	1.0	1.2	0.5
2151	Cove Point	38 23	76 23	-4 09	-4 37	+0.2	0.0	1.3	1.5	0.6
	Patuxent River									
2153	Drum Point	38 19	76 25	-4 55	-5 11	+0.1	0.0	1.2	1.4	0.6
2155	Solomons Island	38 19	76 27	-4 46	-5 02	+0.1	0.0	1.2	1.4	0.6
2157	Broomes Island	38 25	76 33	-4 33	-4 31	+0.2	0.0	1.3	1.5	0.7
2159	Benedict	38 31	76 40	-4 14	-4 06	+0.5	0.0	1.6	1.9	0.8
2160	Lower Marlboro	38 39	76 41	-3 03	-3 05	+0.7	0.0	1.8	2.0	0.9
2161	Nottingham	38 43	76 42	-2 51	-2 39	+1.4	0.0	2.5	2.9	1.2
2163	Hills Bridge	38 48	76 43	-1 11	-0 48	+1.3	0.0	2.4	2.8	1.2
2165	Cedar Point	38 18	76 22	-4 58	-5 12	+0.1	0.0	1.2	1.4	0.6
2167	Point No Point	38 08	76 18	-5 31	-5 49	+0.2	0.0	1.3	1.5	0.6
2169	Point Lookout	38 02	76 19	-5 30	-5 46	+0.1	0.0	1.2	1.4	0.6
	MD., VA. and DISTRICT OF COLUMBIA Potomac River			on WASHINGTON, p.84						
2170	Cornfield Harbor, Md	38 04	76 22	-6 44	-7 35	*0.45	*0.45	1.3	1.5	0.7
2171	Lewisetta, Va	38 00	76 28	-6 37	-7 25	*0.45	*0.45	1.3	1.5	0.6
2172	Travis Point, Coan River, Va	38 00	76 28	-6 33	-7 05	*0.41	*0.41	1.2	1.4	0.6
	Yeocomico River									
2173	Lynch Point, Va	38 03	76 31	-6 24	-6 58	*0.45	*0.45	1.3	1.5	0.6
2175	Kinsale, Va	38 02	76 35	-6 19	-6 53	*0.41	*0.41	1.2	1.4	0.6
	St. Marys River									
2177	Kitts Point, Md	38 06	76 25	-6 51	-7 23	*0.52	*0.52	1.5	1.7	0.7
2179	St. Marys City, Md	38 11	76 26	-6 36	-7 08	*0.52	*0.52	1.5	1.7	0.7
2181	Piney Point, Md	38 08	76 32	-6 27	-7 16	*0.48	*0.48	1.4	1.6	0.7
2182	Ragged Point, Coles Neck, Va	38 08	76 37	-6 08	-7 03	*0.52	*0.52	1.5	1.7	0.8
2183	Coles Point, Va	38 09	76 38	-6 10	-6 55	*0.62	*0.62	1.8	2.0	0.9
2185	Leonardtown, Breton Bay, Md	38 17	76 38	-6 05	-6 39	*0.59	*0.59	1.7	2.0	0.8
2187	Shipping Pt., St. Clements Bay, Md	38 16	76 42	-6 00	-6 34	*0.62	*0.62	1.8	2.1	0.9
2188	Mount Holly, Nomini Creek, Va	38 06	76 44	-5 24	-5 54	*0.52	*0.52	1.5	1.7	0.7
2189	Colton's Point, Md	38 13	76 45	-5 46	-6 44	*0.62	*0.62	1.8	2.0	0.9
	Wicomico River									
2191	Cobb Point Bar Light, Md	38 15	76 50	-5 56	-6 28	-1.0	0.0	1.9	2.2	0.9
2193	Rock Point, Md	38 16	76 50	-5 51	-6 23	-1.0	0.0	1.9	2.2	0.9
2195	Bushwood Wharf, Md	38 17	76 48	-5 51	-6 23	-1.0	0.0	1.9	2.2	0.9
2196	Wicomico Beach, Md	38 20	76 52	-5 38	-6 05	-1.1	0.0	1.8	2.0	0.9
2197	Colonial Beach, Va	38 15	76 58	-5 26	-6 10	*0.59	*0.59	1.7	1.9	0.9
2199	Dahlgren, Upper Machodoc Creek, Va	38 19	77 02	-5 15	-5 51	*0.55	*0.55	1.6	1.8	0.8
2201	Lower Cedar Point, Md	38 20	76 59	-5 20	-5 56	*0.52	*0.52	1.5	1.7	0.7
2203	Mathias Point, Va	38 24	77 03	-4 32	-4 56	*0.41	*0.41	1.2	1.4	0.6
2205	Goose Bay, Port Tobacco River, Md	38 27	77 03	-4 35	-5 07	*0.52	*0.52	1.5	1.7	0.7
2207	Upper Cedar Point Light, Md	38 24	77 05	-4 23	-4 53	*0.41	*0.41	1.2	1.4	0.6
2209	Riverside, Md	38 23	77 09	-3 50	-4 25	*0.45	*0.45	1.3	1.5	0.6
2211	Maryland Point Light, Md	38 21	77 12	-3 27	-3 44	*0.38	*0.38	1.1	1.3	0.6
2213	Aquia Creek, Va	38 25	77 21	-2 01	-2 32	*0.45	*0.45	1.3	1.5	0.6
2215	Clifton Beach, Md	38 25	77 16	-2 15	-2 46	*0.38	*0.38	1.1	1.3	0.5
2217	Liverpool Point, Md	38 28	77 16	-2 22	-2 39	*0.45	*0.45	1.3	1.5	0.6

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	MD., VA. and DISTRICT OF COLUMBIA Potomac River Time meridian, 75°W			on WASHINGTON, p.84						
2219	Quantico Creek, Va.	38 31	77 17	-1 19	-2 05	*0.48	*0.48	1.4	1.6	0.7
2221	Deep Point, Mattawoman Creek, Md.	38 34	77 13	-1 27	-1 44	*0.55	*0.55	1.6	1.8	0.8
2223	High Point, Occoquan Bay, Va.	38 37	77 12	-1 17	-1 34	*0.55	*0.55	1.6	1.8	0.8
2225	Indian Head, Md.	38 36	77 11	-0 41	-1 34	*0.62	*0.62	1.8	2.0	0.9
2227	Glymont, Md.	38 37	77 08	-1 02	-1 19	*0.62	*0.62	1.8	2.1	0.9
2229	Gunston Cove, Va.	38 40	77 08	-0 43	-1 00	-0.9	0.0	2.0	2.3	1.0
2231	Marshall Hall, Md.	38 41	77 06	-0 17	-0 56	-0.6	0.0	2.3	2.6	1.1
2233	Mount Vernon, Va.	38 42	77 05	-0 32	-0 48	-0.7	0.0	2.2	2.5	1.1
2235	Fort Washington, Md.	38 43	77 02	-0 22	-0 38	-0.5	0.0	2.4	2.8	1.2
2237	Riverview, Md.	38 43	77 02	-0 22	-0 38	-0.4	0.0	2.5	2.9	1.2
2239	Alexandria, Va.	38 48	77 02	-0 07	-0 23	-0.1	0.0	2.8	3.2	1.4
2241	Bellevue, D. C.	38 50	77 02	+0 01	-0 10	-0.1	0.0	2.8	3.2	1.4
2243	Washington National Airport	38 51	77 02	+0 01	-0 08	0.0	0.0	2.9	3.3	1.5
2245	WASHINGTON, Washington Chan., D. C.	38 52	77 01	Daily predictions				2.9	3.3	1.4
	Anacostia River									
2247	Anacostia Bridge, D. C.	38 52	77 00	+0 10	0 00	0.0	0.0	2.9	3.3	1.5
2249	Benning Bridge, D. C.	38 54	76 58	+0 16	+0 04	0.0	0.0	2.9	3.3	1.5
2251	Key Bridge, D. C.	38 54	77 04	+0 10	0 00	-0.1	0.0	2.8	3.2	1.4
2253	Chain Bridge, one mile below, D. C.	38 55	77 06	+0 15	+0 05	-0.1	0.0	2.8	3.2	1.4
2255	Chain Bridge, D. C.	38 56	77 07	+0 20	+0 10	-0.1	0.0	2.8	3.2	1.4
	VIRGINIA-Continued Chesapeake Bay, Western Shore-Con.			on HAMPTON ROADS, p.88						
2257	Smith Point Light	37 53	76 11	+3 30	+3 30	*0.48	*0.48	1.2	1.4	0.6
2259	Sunnybank, Little Wicomico River	37 53	76 16	+5 42	+5 40	*0.32	*0.32	0.8	1.0	0.4
2261	Great Wicomico River Light	37 48	76 16	+2 59	+3 06	*0.44	*0.44	1.1	1.3	0.5
2262	Fleet Point	37 49	76 16	+2 59	+3 09	*0.44	*0.44	1.1	1.3	0.5
2263	Glebe Pt., Great Wicomico River	37 51	76 22	+3 16	+3 32	*0.48	*0.48	1.2	1.4	0.6
2265	Dividing Creek	37 44	76 18	+2 38	+2 36	*0.44	*0.44	1.1	1.3	0.5
2267	Windmill Point Lighthouse	37 36	76 14	+1 48	+2 06	*0.44	*0.44	1.1	1.3	0.5
2269	Stingray Point	37 34	76 18	+1 05	+1 27	*0.48	*0.48	1.2	1.4	0.6
	Rappahannock River									
2270	Windmill Point	37 37	76 17	+1 56	+2 13	*0.48	*0.48	1.2	1.5	0.6
2271	Mill Creek	37 35	76 25	+2 23	+2 37	*0.52	*0.52	1.3	1.6	0.6
2273	Orchard Point	37 39	76 27	+2 29	+2 46	*0.56	*0.56	1.4	1.7	0.7
2275	Millenbeck, Corrotoman River	37 40	76 29	+2 32	+3 00	*0.52	*0.52	1.3	1.6	0.6
2277	Urbanna	37 39	76 34	+2 45	+3 04	*0.56	*0.56	1.4	1.7	0.7
2278	Bayport	37 45	76 40	+3 17	+3 46	*0.64	*0.64	1.6	1.9	0.8
2279	Bowlers Rock	37 49	76 44	+3 53	+4 20	-0.7	0.0	1.8	2.2	0.9
2280	Wares Wharf	37 52	76 47	+4 02	+4 28	-0.7	0.0	1.8	2.1	0.9
2281	Tappahannock	37 56	76 51	+4 35	+5 13	*0.68	*0.68	1.7	1.9	0.9
				on WASHINGTON, p.84						
2283	Leedstown	38 07	77 00	-4 46	-4 55	*0.52	*0.52	1.5	1.7	0.7
2284	Saunders Wharf	38 05	77 02	-4 26	-4 41	*0.52	*0.52	1.5	1.7	0.8
2285	Green Bay	38 09	77 05	-3 36	-3 45	*0.59	*0.59	1.7	2.0	0.8
2287	Port Royal	38 10	77 11	-2 46	-2 55	-1.0	0.0	1.9	2.2	1.0
2288	Hopyard Landing	38 15	77 14	-1 40	-1 57	-0.8	0.0	2.1	2.3	1.1
2289	Corbins Neck	38 13	77 17	-1 33	-1 26	-0.3	0.0	2.6	3.0	1.3
2290	Massaponax	38 15	77 25	-1 12	-0 41	-0.4	0.0	2.5	2.8	1.2
2291	Fredericksburg	38 18	77 27	-0 58	-0 51	-0.1	0.0	2.8	3.2	1.4
				on HAMPTON ROADS, p.88						
	Piankatank River									
2293	Cherry Point	37 31	76 18	+0 47	+1 02	*0.48	*0.48	1.2	1.4	0.6
2294	Jackson Creek	37 33	76 20	+1 31	+1 59	*0.48	*0.48	1.2	1.4	0.6
2295	Dixie	37 30	76 25	+1 29	+2 07	*0.52	*0.52	1.3	1.6	0 7
2297	Wolf Trap Light	37 23	76 11	-0 07	+0 27	*0.64	*0.64	1.6	1.9	0.8
	Mobjack Bay									
2299	New Point Comfort	37 18	76 17	-0 07	+0 01	-0.2	0.0	2.3	2.8	1.1
2301	Mobjack, East River	37 22	76 21	-0 22	-0 03	-0.1	0.0	2.4	2.9	1.2
2303	Belleville	37 25	76 26	-0 11	-0 05	0.0	0.0	2.5	3.0	1.2
2305	Browns Bay	37 18	76 24	-0 13	+0 01	-0.1	0.0	2.4	2.9	1.2
2307	SW. Branch, Severn River	37 18	76 27	-0 02	+0 06	0.0	0.0	2.5	3.0	1.2
2309	York Spit Light	37 13	76 15	-0 17	-0 09	-0.2	0.0	2.3	2.8	1.2
	York River									
2311	Tue Marshes Light	37 14	76 23	-0 05	-0 02	-0.3	0.0	2.2	2.6	1.1
2313	Perrin River	37 16	76 25	+0 13	+0 03	-0.2	0.0	2.3	2.8	1.1
2314	Goodwin Neck	37 14	76 26	+0 13	+0 10	-0.3	0.0	2.2	2.6	1.1
2315	Quarter Point	37 15	76 27	+0 08	+0 06	-0.2	0.0	2.3	2.8	1.1
2317	Gloucester Point	37 15	76 30	+0 20	+0 12	-0.1	0.0	2.4	2.9	1.2
2319	Yorktown	37 14	76 30	+0 11	+0 06	-0.1	0.0	2.4	2.9	1.2

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		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	Virginia, York River Time meridian, 75°W			on HAMPTON ROADS, p.88						
2321	Mumfort Islands	37 16	76 31	+0 19	+0 12	0.0	0.0	2.5	3.0	1.2
2323	Penniman Spit	37 17	76 35	+0 41	+0 44	0.0	0.0	2.5	3.0	1.2
2324	Cheatham Annex	37 18	76 35	+0 43	+0 35	0.0	0.0	2.5	3.0	1.2
2325	Queen Creek (2 miles upstream)	37 18	76 39	+1 00	+0 59	-0.1	0.0	2.4	2.9	1.2
2327	Clay Bank	37 21	76 37	+0 50	+0 49	+0.3	0.0	2.8	3.4	1.4
2329	Allmondsville	37 23	76 39	+0 59	+1 02	+0.3	0.0	2.8	3.3	1.4
2330	Roane Point	37 27	76 42	+1 42	+1 45	+0.3	0.0	2.8	3.4	1.4
2331	West Point	37 32	76 48	+2 07	+2 33	+0.3	0.0	2.8	3.4	1.4
	Mattaponi River									
2333	Wakema	37 39	76 54	+3 29	+3 52	+0.9	0.0	3.4	3.9	1.7
2335	Walkerton	37 43	77 02	+4 26	+4 54	+1.4	0.0	3.9	4.5	1.9
	Pamunkey River									
2337	Sweet Hall Landing	37 34	76 54	+3 48	+4 06	+0.2	0.0	2.7	3.1	1.3
2339	Lester Manor	37 35	76 59	+4 40	+4 55	+0.3	0.0	2.8	3.2	1.4
2341	White House	37 35	77 01	+5 09	+5 24	+0.5	0.0	3.0	3.4	1.5
2343	Northbury	37 37	77 07	+5 58	+6 13	+0.8	0.0	3.3	3.8	1.6
	Chesapeake Bay, Western Shore-Con.									
2345	York Point, Poquoson River	37 10	76 24	-0 07	+0 01	-0.1	0.0	2.4	2.9	1.2
2347	Messick Point, Back River	37 06	76 19	-0 26	-0 05	-0.2	0.0	2.3	2.8	1.2
	Hampton Roads									
2349	Old Point Comfort	37 00	76 19	-0 04	-0 14	0.0	0.0	2.5	3.0	1.3
2351	Hampton River	37 01	76 20	+0 02	-0 07	+0.1	0.0	2.6	3.1	1.3
2353	HAMPTON ROADS (Sewells Pt.)	36 57	76 20	Daily predictions				2.5	2.9	1.2
2355	Lafayette River	36 54	76 18	+0 11	+0 20	+0.1	0.0	2.6	3.1	1.3
2357	Lafayette River, Granby St. Bridge	36 53	76 17	+0 26	+0 32	+0.2	0.0	2.7	3.2	1.3
	Elizabeth River									
2359	Craney Island	36 54	76 20	+0 13	-0 01	+0.1	0.0	2.6	3.1	1 3
2361	Port Norfolk, Western Branch	36 51	76 20	+0 17	+0 24	+0.1	0.0	2.6	3 1	1.3
2363	Norfolk	36 51	76 18	+0 18	+0 15	+0.3	0.0	2.8	3.4	1.4
2365	Portsmouth, Southern Branch	36 49	76 18	+0 20	+0 20	+0.3	0.0	2.8	3.4	1.4
	Nansemond River									
2367	Pig Point	36 55	76 26	+0 37	+0 35	+0.3	0.0	2.8	3.4	1.4
2369	Town Point	36 53	76 30	+0 33	+0 39	+0.5	0.0	3.0	3.6	1.5
2371	Hollidays Point (bridge)	36 50	76 33	+0 51	+0 58	+0.5	0.0	3.0	3.6	1.5
2373	Suffolk	36 44	76 35	+1 37	+1 30	+1.3	0.0	3.8	4.6	1.9
	James River									
2375	Chuckatuck Creek entrance	36 55	76 30	+0 45	+0 52	+0.3	0.0	2.8	3.4	1.4
2377	Newport News	36 58	76 26	+0 24	+0 23	+0.1	0.0	2.6	3.1	1.3
2378	Huntington Park	37 01	76 28	+0 40	+0 39	+0.1	0.0	2.6	3.1	1.3
2379	Menchville	37 05	76 32	+0 58	+1 14	+0.1	0.0	2.6	3.1	1.3
2381	Smithfield, Pagan River	36 59	76 38	+1 29	+1 23	+0.3	0.0	2.8	3.4	1.4
2383	Burwell Bay	37 03	76 40	+1 20	+1 39	-0.1	0.0	2.4	2.9	1.2
2385	Mulberry Point	37 08	76 38	+2 00	+2 21	-0.1	0.0	2.4	2.9	1.2
2387	Hog Point	37 12	76 41	+2 15	+2 33	-0.4	0.0	2.1	2.5	1.0
2388	Scotland	37 11	76 47	+2 51	+3 20	-0.6	0.0	1.9	2.1	1.0
2389	Jamestown Island	37 12	76 47	+2 58	+3 31	-0.5	0.0	2.0	2.4	1.0
2391	Dillard Wharf	37 12	76 52	+3 33	+4 10	-0.6	0.0	1.9	2.3	0.9
	Chickahominy River									
2393	Ferry Point (bridge)	37 16	76 53	+3 56	+4 21	-0.6	0.0	1.9	2.3	1.0
2395	Wright Island Landing	37 21	76 52	+4 39	+4 58	-0.3	0.0	2.2	2.6	1.1
2397	Mount Airy	37 21	76 55	+5 05	+5 33	-0.3	0.0	2.2	2.6	1.1
2399	Lanexa	37 24	76 54	+5 35	+6 03	+0.1	0.0	2.6	3.1	1.3
2401	Claremont	37 14	76 57	+3 58	+4 30	-0.7	0.0	1.8	2.0	0.9
2403	Sturgeon Point	37 18	77 00	+4 32	+5 04	-0.4	0.0	2.1	2.5	1.0
2405	Windmill Point	37 18	77 06	+5 26	+5 51	-0.2	0.0	2.3	2.7	1.1
2406	Willcox Wharf, Charles City	37 19	77 06	+5 25	+5 45	-0.3	0.0	2.2	2.4	1.1
2407	Westover	37 19	77 09	+5 47	+6 12	-0.1	0.0	2.4	2.8	1.2
2409	Jordon Point	37 19	77 13	+6 11	+6 34	0.0	0.0	2.5	2.9	1.2
				on WASHINGTON, p.84						
2411	City Point (Hopewell)	37 19	77 16	-4 55	-5 12	-0.3	0.0	2.6	3.0	1.3
2413	Petersburg, Appomattox River	37 14	77 24	-4 25	-4 00	0.0	0.0	2.9	3.3	1.4
2415	Bermuda Hundred	37 20	77 16	-4 50	-5 05	-0.3	0.0	2.6	3.0	1.3
2417	Haxall	37 22	77 15	-4 43	-4 52	-0.2	0.0	2.7	3.1	1.4
2419	Curles, 1 mile north of	37 24	77 18	-4 25	-4 26	-0.1	0.0	2.8	3.2	1.4
2420	Chester	37 23	77 23	-4 12	-3 59	0.0	0.0	2.9	3.2	1.5
2421	Meadowville	37 23	77 19	-4 34	-4 33	0.0	0.0	2.9	3.3	1.4
2423	Kingsland Reach	37 24	77 23	-4 32	-4 28	+0.1	0.0	3.0	3.5	1.5
2425	Falling Creek entrance	37 26	77 26	-4 21	-4 08	+0.3	0.0	3.2	3.7	1.6
2427	Richmond Deepwater Terminal	37 27	77 25	-4 18	-4 01	+0.4	0.0	3.3	3.8	1.6
2429	Lower Rocketts	37 30	77 25	-3 52	-3 32	+0.3	0.0	3.2	3.6	1.6
2431	Richmond (river locks)	37 32	77 25	-3 49	-3 26	+0.3	0.0	3.2	3.6	1.6

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Chesapeake Bay, Southern Shore Time meridian, 75°W			on HAMPTON ROADS, p.88						
2433	Little Creek (RR. Terminal).....	36 55	76 11	-0 48	-0 50	+0.1	0.0	2.6	3.1	1.3
	Lynnhaven Inlet									
2435	Highway bridge, east of.....	36 54	76 05	-0 09	+0 06	-0.5	0.0	2.0	2.4	1.0
	Lynnhaven Bay									
2436	Bayville.....	36 54	76 06	+0 50	+1 43	-0.8	0.0	1.7	2.0	0.9
2437	Buchanan Creek entrance.....	36 52	76 07	+1 00	+1 51	-0.6	0.0	1.9	2.3	0.9
2438	Long Creek.....	36 54	76 04	+0 48	+1 19	*0.32	*0.32	0.8	1.0	.0.4
2439	Brown Cove.....	36 52	76 04	+0 46	+1 43	-0.8	0.0	1.7	2.0	0.8
2440	Cape Henry.....	36 56	76 00	-0 48	-1 10	+0.3	0.0	2.8	3.4	1.4
	VIRGINIA, Outer Coast									
2441	Virginia Beach.....	36 51	75 58	-1 26	-1 30	+0.9	0.0	3.4	4.1	1.7
2442	False Cape.....	36 36	75 53	-1 41	-1 40	+1.1	0.0	3.6	4.3	1.8
	NORTH CAROLINA, Outer Coast									
2443	Currituck Beach Light.....	36 23	75 50	-1 46	-1 45	+1.1	0.0	3.6	4.3	1.8
2444	Albemarle and Pamlico Sounds <9>.....	- - -	- - -	- - -	- - -	- -	- -	- -	- -	- -
2445	Kitty Hawk (ocean).....	36 06	75 43	-1 50	-1 49	+0.7	0.0	3.2	3.8	1.6
2446	Jennetts Pier (ocean).....	35 55	75 36	-1 54	-1 50	+0.8	0.0	3.3	3.9	1.6
2447	Roanoke Sound Channel.....	35 48	75 35	+0 27	+0 37	-2.0	0.0	0.5	0.6	0.3
2448	Oregon Inlet Marina.....	35 48	75 33	-0 38	+0 26	-1.9	0.0	0.6	0.7	0.3
2449	Oregon Inlet.....	35 46	75 31	-1 13	-1 07	-0.5	0.0	2.0	2.4	1.0
2450	Oregon Inlet Bridge.....	35 46	75 32	-1 27	-1 35	-0.6	0.0	1.9	2.3	1.0
2451	Oregon Inlet Channel.....	35 46	75 34	-1 19	-1 14	-1.3	0.0	1.2	1.4	0.6
2452	Old House Channel.....	35 46	75 35	-0 36	-0 12	-1.8	0.0	0.7	0.8	0.4
2453	Oregon Inlet (USCG Station).....	35 46	75 32	-1 40	-1 31	-0.8	0.0	1.7	2.0	0.9
2454	Davis Slough.....	35 45	75 33	-1 01	-0 41	-1.6	0.0	0.9	1.1	0.5
2455	Cape Hatteras.....	35 14	75 31	-1 54	-2 05	+1.1	0.0	3.6	4.3	1.8
2456	Hatteras (ocean).....	35 12	75 42	-2 02	-2 05	+0.9	0.0	3.4	4.1	1.7
2457	Hatteras Inlet.....	35 12	75 44	-1 39	-1 39	-0.5	0.0	2.0	2.4	1.0
2458	Ocracoke Inlet.....	35 04	76 01	-1 38	-1 41	-0.6	0.0	1.9	2.3	0.9
2459	Ocracoke, Ocracoke Inlet.....	35 07	75 59	-1 23	-1 00	*0.40	*0.40	1.0	1.2	0.5
2461	Cape Lookout.....	34 37	76 32	-2 04	-2 13	+1.2	0.0	3.7	4.4	1.9
2463	Shell Point, Harkers Island.....	34 41	76 32	+0 12	+0 45	-1.2	0.0	1.3	1.6	0.6
2465	Beaufort (Pivers Island).....	34 43	76 40	-1 01	-1 09	+0.5	0.0	3.0	3.6	1.5
2467	Morehead City.....	34 43	76 42	-0 58	-1 05	+0.4	0.0	2.9	3.5	1.4
2469	Atlantic Beach.....	34 42	76 43	-2 02	-2 03	+1.1	0.0	3.6	4.3	1.8
2471	Bogue Inlet.....	34 39	77 06	-1 34	-1 37	-0.3	0.0	2.2	2.6	1.1
2473	New River Inlet.....	34 32	77 20	-1 31	-1 35	+0.5	0.0	3.0	3.6	1.5
2475	New Topsail Inlet.....	34 22	77 38	-1 27	-0 52	+0.5	0.0	3.0	3.5	1.5
				on CHARLESTON, p.96						
2477	Masonboro Inlet.....	34 11	77 49	-0 14	+0 05	-1.4	0.0	3.8	4.5	1.9
2479	Wilmington Beach.....	34 02	77 54	-0 48	-0 38	-1.2	0.0	4.0	4.7	2.0
2481	Cape Fear.....	33 51	77 58	-0 33	-0 28	-0.7	0.0	4.5	5.1	2.2
	Cape Fear River									
2483	Bald Head.....	33 52	78 00	-0 17	-0 11	-0.9	0.0	4.3	4.9	2.2
2485	Fort Caswell.....	33 54	78 01	-0 12	-0 05	-1.0	0.0	4.2	4.8	2.1
2487	Southport.....	33 55	78 01	0 00	+0 11	-1.1	0.0	4.1	4.6	2.0
2489	Reaves Point.....	34 00	77 57	+0 15	+0 45	-1.3	0.0	3.9	4.3	2.0
				on WILMINGTON, p.92						
2491	Campbell Island.....	34 07	77 56	-0 49	-0 44	-0.4	0.0	3.8	4.0	1.9
2493	WILMINGTON.....	34 14	77 57	Daily predictions				4.2	4.5	2.1
2495	Castle Hayne, Northeast River.....	34 21	77 56	+2 40	+2 55	*0.40	*0.40	1.7	1.9	0.8
2497	Bannermans Br., Northeast River.....	34 35	77 46	+5 54	+6 09	*0.31	*0.31	1.3	1.4	0.6
				on CHARLESTON, p.96						
2500	Yaupon Beach.....	33 54	78 05	-0 39	-0 49	-0.3	0.0	4.9	5.8	2.4
2501	Lockwoods Folly Inlet.....	33 55	78 14	-0 29	-0 12	-1.0	0.0	4.2	4.8	2.1
2503	Shallotte Inlet (Bowen Point).....	33 55	78 22	+0 10	+0 28	-0.6	0.0	4.6	5.4	2.3
2505	Tubbs Inlet.....	33 53	78 29	-0 19	-0 12	-0.7	0.0	4.5	5.1	2.2
	SOUTH CAROLINA, Outer Coast									
2507	Little River, 1 mile above mouth.....	33 51	78 34	0 00	+0 03	-0.2	0.0	5.0	5.9	2.5
2509	Little River (town), Little River.....	33 52	78 37	+0 29	+0 02	0.0	0.0	5.2	6.1	2.6
2511	Myrtle Beach.....	33 41	78 53	-0 27	-0 27	-0.1	0.0	5.1	6.0	2.5
2513	Murrells Inlet.....	33 32	79 02	-0 09	+0 20	-0.7	0.0	4.5	5.3	2.2
2514	Pawleys Island.....	33 26	79 07	-0 29	-0 30	-0.4	0.0	4.8	5.6	2.4
2515	North Inlet.....	33 20	79 10	-0 18	0 00	-0.7	0.0	4.5	5.3	2.2
	Winyah Bay									
2517	Entrance (south jetty).....	33 11	79 09	-0 28	-0 28	-0.6	0.0	4.6	5.4	2.3
2519	Georgetown Lighthouse.....	33 13	79 11	+0 26	+0 25	-1.4	0.0	3.8	4.4	1.9
2521	Estherville-Minim Creek Canal (ferry)...	33 15	79 16	+0 31	+1 04	*0.63	*0.63	3.3	3.9	1.6

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	South Carolina, Winyah Bay Time meridian, 75°W			on CHARLESTON, p.96						
2523	Frazier Point.....	33 19	79 17	+1 19	+2 03	-1.7	0.0	3.5	4.1	1.7
2525	Georgetown, Sampit River.....	33 22	79 17	+1 27	+2 25	*0.63	*0.63	3.3	3.9	1.6
2527	Georgetown, Pee Dee River bridge.....	33 22	79 16	+1 34	+2 35	*0.63	*0.63	3.3	3.9	1.6
	Waccamaw River									
2529	Schooner Creek entrance.....	33 27	79 10	+2 21	+3 18	*0.62	*0.62	3.2	3.8	1.6
2531	Wachesaw Ldg., 1 mile south of.....	33 33	79 06	+3 06	+4 08	*0.56	*0.56	2.9	3.4	1.4
2533	Bull Creek entrance.....	33 36	79 06	+3 38	+4 41	*0.44	*0.44	2.3	2.7	1.1
2535	Enterprise Landing.....	33 40	79 04	+4 54	+5 31	*0.38	*0.38	2.0	2.4	1.0
2537	Toddville.....	33 45	79 04	+7 10	+7 07	*0.25	*0.25	1.3	1.5	0.6
2539	Conway.....	33 50	79 02	+7 47	+7 56	*0.23	*0.23	1.2	1.4	0.6
	SOUTH CAROLINA, Outer Coast-Con.									
2541	North Santee River Inlet.....	33 08	79 15	-0 16	0 00	-0.7	0.0	4.5	5.3	2.2
2543	Minim Creek ent., North Santee River....	33 12	79 16	-0 02	+1 02	-1.3	0.0	3.9	4.6	1.9
2544	Cedar Island Point, South Santee River..	33 07	79 16	-0 23	+0 04	-1.1	0.0	4.1	4.8	2.0
2545	Brown Island, South Santee River.....	33 09	79 20	+0 20	+1 27	-1.1	0.0	4.1	4.8	2.0
2547	Cape Romain.....	33 01	79 21	-0 29	-0 21	-0.5	0.0	4.7	5.5	2.3
2549	Cape Romain, 46 miles east of.....	33 05	78 26	-1 12	-1 17	-1.1	0.0	4.1	4.8	2.0
	Bull Bay									
2551	Five Fathom Creek entrance.....	33 00	79 30	-0 13	-0 11	-0.3	0.0	4.9	5.8	2.4
2553	McClellanville, Jeremy Creek.....	33 05	79 28	+0 20	+0 21	-0.1	0.0	5.1	6.0	2.5
2555	Harbor River entrance.....	33 02	79 32	-0 04	+0 32	-0.3	0.0	4.9	5.8	2.4
2557	Jack Creek entrance.....	32 56	79 35	-0 21	-0 19	-0.2	0.0	5.0	5.9	2.5
2559	Wharf Creek entrance.....	32 55	79 37	+0 05	-0 12	-0.1	0.0	5.1	6.0	2.5
2561	Sewee Bay.....	32 56	79 39	+0 06	+0 07	-0.2	0.0	5.0	5.9	2.5
2563	Capers Inlet.....	32 51	79 42	-0 16	-0 14	0.0	0.0	5.2	6.1	2.6
2565	Dewees Inlet.....	32 50	79 44	-0 09	-0 16	-0.2	0.0	5.0	5.9	2.5
2567	Isle of Palms (outer coast).....	32 47	79 47	-0 16	-0 17	0.0	0.0	5.2	6.1	2.6
2569	Sullivans Island (outer coast).....	32 46	79 50	-0 15	-0 16	0.0	0.0	5.2	6.1	2.6
	Charleston Harbor									
2571	Entrance (north jetty).....	32 44	79 48	-0 16	-0 19	0.0	0.0	5.2	6.1	2.6
2573	Fort Sumter.....	32 45	79 52	-0 09	-0 13	-0.2	0.0	5.0	5.9	2.5
2575	The Cove.....	32 46	79 52	-0 08	-0 06	-0.1	0.0	5.1	6.0	2.6
2577	CHARLESTON (Customhouse Wharf).....	32 47	79 55	Daily predictions				5.2	6.1	2.6
2579	Shipyard Creek, 0.8 mile above entrance.	32 50	79 57	+0 27	+0 16	+0.1	0.0	5.3	6.3	2.6
	Cooper River									
2581	North Charleston.....	32 52	79 58	+0 40	+0 36	0.0	0.0	5.2	6.1	2.6
2583	Goose Creek entrance.....	32 54	79 57	+0 50	+0 40	0.0	0.0	5.2	6.1	2.6
2585	Yeamans Hall, Goose Creek.....	32 56	79 59	+2 36	+2 03	-0.2	0.0	5.0	5.9	2.5
2587	Snow Point, north of.....	32 57	79 56	+1 27	+1 14	-0.3	0.0	4.9	5.8	2.4
2589	Dean Hall.....	33 03	79 56	+2 46	+2 27	-1.1	0.0	4.1	4.8	2.0
2591	Quimby Creek, East Branch.....	33 06	79 49	+4 08	+3 47	-0.9	0.0	4.3	5.1	2.1
2593	RR. bridge, West Branch.....	33 06	79 57	+3 18	+3 05	-1.0	0.0	4.2	5.0	2.1
	Wando River									
2597	Cainhoy.....	32 55	79 50	+0 57	+0 39	+0.8	0.0	6.0	7.1	3.0
2599	Woodville.....	32 55	79 44	+2 07	+1 22	+1.1	0.0	6.3	7.4	3.2
	Ashley River									
2601	Wappoo Creek (highway bridge).....	32 46	79 58	+0 22	+0 22	0.0	0.0	5.2	6.1	2.6
2603	Highway bridge.....	32 47	79 58	+0 22	+0 15	0.0	0.0	5.2	6.1	2.6
2605	Highway bridge (2 miles above).....	32 50	79 58	+0 25	+0 17	+0.3	0.0	5.5	6.5	2.8
2607	Bees Ferry bridge.....	32 51	80 03	+1 14	+1 07	+0.3	0.0	5.5	6.4	2.8
2609	Magnolia Gardens.....	32 53	80 05	+1 16	+1 06	+0.4	0.0	5.6	6.6	2.8
2611	Greggs Landing.....	32 56	80 09	+1 47	+1 35	+0.9	0.0	6.1	7.2	3.0
	SOUTH CAROLINA, Outer Coast-Con.									
2613	Folly Island (outer coast).....	32 39	79 56	-0 15	-0 18	0.0	0.0	5.2	6.1	2.6
2615	Folly River (below bridge).....	32 39	79 58	+0 13	-0 09	+0.2	0.0	5.4	6.4	2.7
2617	Legareville, 1 mile above, Stono River..	32 41	80 00	+0 13	+0 06	0.0	0.0	5.2	6.1	2.6
2619	Elliott Cut, Stono River.....	32 46	80 00	+0 48	+0 49	0.0	0.0	5.2	6.1	2.6
2621	Church Flats, RR. bridge, Stono River...	32 45	80 08	+2 06	+1 47	+0.5	0.0	5.7	6.7	2.8
	North Edisto River									
2623	Rockville, Bohicket Creek.....	32 36	80 12	+0 20	+0 05	+0.6	0.0	5.8	6.8	2.9
2624	Point of Pines.....	32 35	80 14	+0 16	+0 11	+0.4	0.0	5.6	6.5	2.8
2625	Dawho River entrance.....	32 38	80 16	+0 46	+0 27	+0.9	0.0	6.1	7.2	3.0
2627	Dawho Ferry, Dawho River.....	32 38	80 20	+1 18	+1 00	+1.3	0.0	6.5	7.7	3.2
2629	Toogoodoo Creek, 2 miles above ent..	32 40	80 18	+1 11	+0 35	+1.2	0.0	6.4	7.6	3.2
2631	Yonges Island, Wadmalaw River.....	32 41	80 14	+1 19	+0 34	+1.4	0.0	6.6	7.8	3.3
2633	Ravens Point, Church Creek.....	32 42	80 09	+1 43	+0 49	+1.8	0.0	7.0	8.3	3.5
				on SAVANNAH RIVER ENT., p.100						
2635	Edisto Beach, Edisto Island.....	32 30	80 18	-0 35	-0 41	-1.0	0.0	5.9	6.9	2.9
	South Edisto River									
2637	Big Bay Creek entrance.....	32 30	80 20	0 00	-0 09	-0.8	0.0	6.1	7.2	3.0
2639	Peters Point, St. Pierre Creek.....	32 32	80 21	+0 17	+0 04	-0.7	0.0	6.2	7.3	3.1
2641	Watts Cut ent., 0.8 mile south of...	32 36	80 23	+0 38	+0 55	-0.6	0.0	6.3	7.4	3.1
2643	Dawho River entrance.....	32 39	80 23	+1 28	+1 42	-0.6	0.0	6.3	7.4	3.1
2645	Jacksonboro.....	32 46	80 27	+3 16	+4 21	*0.28	*0.28	1.9	2.2	0.9

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		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	St. Helena Sound Time meridian, 75°W			on SAVANNAH RIVER ENT., p.100						
2647	Harbor River entrance.....	32 24	80 27	-0 01	-0 05	-0.8	0.0	6.1	7.1	3.0
2649	Combahee Bank.....	32 29	80 26	+0 04	+0 05	-0.7	0.0	6.2	7.3	3.1
2651	Seabrook, Ashepoo River.....	32 31	80 25	+0 13	+0 15	-0.7	0.0	6.2	7.3	3.1
2653	Hutchinson Island, Ashepoo River.....	32 33	80 29	+0 41	+0 52	-0.6	0.0	6.3	7.4	3.1
2655	Fields Point, Combahee River.....	32 34	80 33	+0 48	+0 58	-0.5	0.0	6.4	7.5	3.2
2657	Highway Bridge, Combahee River.....	32 39	80 41	+2 50	+2 51	*0.64	*0.64	4.4	5.1	2.2
2659	Lucy Point Creek ent., Morgan River.....	32 27	80 37	+0 58	+0 27	-0.1	0.0	6.8	8.0	3.4
2661	Summerhouse Point, Bull River.....	32 32	80 34	+1 03	+0 33	-0.3	0.0	6.6	7.8	3.3
2663	Brickyard Point, Coosaw River.....	32 30	80 40	+1 20	+1 07	+0.4	0.0	7.3	8.5	3.6
2665	Coosaw River.....	32 32	80 41	+1 25	+1 09	+0.3	0.0	7.2	8.4	3.6
2667	Fripp Inlet, Hunting Island.....	32 21	80 28	+0 01	-0 22	-0.7	0.0	6.2	7.3	3.1
	Port Royal Sound									
2669	Martins Industry.....	32 07	80 35	-0 30	-0 41	-0.5	0.0	6.4	7.6	3.2
2671	Hilton Head.....	32 14	80 40	-0 08	-0 16	-0.3	0.0	6.6	7.8	3.3
2673	Club Bridge Creek entrance.....	32 20	80 33	+0 30	-0 20	-0.1	0.0	6.8	8.0	3.4
2675	Station Creek.....	32 19	80 36	+0 28	-0 19	0.0	0.0	6.9	8.1	3.4
2677	Chowan Creek, Distant Island.....	32 23	80 38	+1 03	+0 30	+0.2	0.0	7.1	8.3	3.5
2679	Parris Island, Beaufort River.....	32 21	80 40	+0 35	+0 17	+0.2	0.0	7.1	8.3	3.5
2681	Port Royal, Battery Creek.....	32 22	80 41	+0 37	+0 24	+0.3	0.0	7.2	8.5	3.6
2683	Beaufort, Beaufort River.....	32 26	80 40	+1 13	+0 46	+0.5	0.0	7.4	8.7	3.7
2684	Colleton River Mouth.....	32 19	80 48	+0 46	+0 34	+0.4	0.0	7.3	8.5	3.7
2685	Victoria Bluff, Colleton River.....	32 18	80 48	+1 03	+0 37	+0.6	0.0	7.5	8.8	3.7
2687	Baileys Landing, Okatee River.....	32 21	80 54	+1 33	+0 59	+1.2	0.0	8.1	9.5	4.0
2689	Lemon Island, Chechessee River.....	32 22	80 50	+1 04	+0 45	+0.7	0.0	7.6	8.9	3.8
2691	Archers Creek entrance, Broad River.....	32 21	80 44	+0 41	+0 27	+0.2	0.0	7.1	8.3	3.5
2693	Corning Landing, Whale Branch.....	32 30	80 47	+1 29	+1 13	+1.0	0.0	7.9	9.2	3.9
2695	Skull Creek, north entrance.....	32 16	80 44	+0 26	+0 20	+0.1	0.0	7.0	8.3	3.5
2697	Skull Creek, south entrance.....	32 13	80 47	+0 33	+0 08	+0.7	0.0	7.6	9.0	3.8
2699	Haig Point, Daufuskie Island.....	32 09	80 50	+0 09	-0 07	+0.3	0.0	7.2	8.4	3.6
2701	Bluffton, May River.....	32 14	80 52	+0 54	+0 21	+1.2	0.0	8.1	9.5	4.0
2703	Daufuskie Landing, New River.....	32 06	80 54	+0 23	+0 24	+0.3	0.0	7.2	8.5	3.6
2705	Walls Cut, Turtle Island.....	32 05	80 55	+0 08	+0 16	+0.2	0.0	7.1	8.3	3.6
	GEORGIA Savannah River									
2707	Tybee Light.....	32 02	80 51	-0 08	-0 15	-0.1	0.0	6.8	8.0	3.4
2709	SAVANNAH RIVER ENTRANCE.....	32 02	80 54	Daily predictions				6.9	8.1	3.5
				on SAVANNAH, p.104						
2711	Fort Jackson.....	32 05	81 02	-0 07	-0 14	+0.1	0.0	7.5	8.7	3.8
2713	SAVANNAH.....	32 05	81 05	Daily predictions				7.4	8.6	3.7
2715	Port Wentworth.....	32 09	81 08	+0 33	+0 41	-0.4	0.0	7.0	8.1	3.5
2717	S.C.L. RR. bridge.....	32 14	81 09	+1 15	+2 12	-1.2	0.0	6.2	7.2	3.1
	Tybee Creek and Wassaw Sound			on SAVANNAH RIVER ENT., p.100						
2719	Tybee Creek entrance.....	31 59	80 51	-0 07	+0 02	-0.1	0.0	6.8	8.0	3.4
2721	Beach Hammock.....	31 57	80 56	+0 01	-0 10	0.0	0.0	6.9	8.1	3.4
2723	Romerly Marsh Creek.....	31 56	81 00	+0 10	-0 06	+0.2	0.0	7.1	8.3	3.5
	Wilmington River									
2725	Savannah-Oglethorpe Hotel.....	32 00	81 00	+0 16	+0 03	+0.9	0.0	7.8	9.1	3.9
2727	Thunderbolt.....	32 02	81 03	+0 34	+0 09	+1.0	0.0	7.9	9.2	3.9
2729	North entrance.....	32 04	81 00	+0 42	+0 41	+0.7	0.0	7.6	8.9	3.8
2731	Isle of Hope, Skidaway River.....	31 59	81 03	+0 52	+0 25	+0.9	0.0	7.8	9.1	3.9
	Ossabaw Sound									
2733	Egg Islands.....	31 50	81 05	+0 06	+0 07	+0.3	0.0	7.2	8.4	3.6
2735	Vernon View, Burnside River.....	31 56	81 06	+0 42	+0 28	+0.6	0.0	7.5	8.8	3.8
2737	Coffee Bluff, Forest River.....	31 56	81 09	+1 07	+0 39	+0.6	0.0	7.5	8.8	3.7
2739	Fort McAllister, Ogeechee River.....	31 53	81 13	+0 50	+1 13	0.0	0.0	6.9	8.1	3.4
2741	Highway bridge, Ogeechee River.....	31 59	81 17	+3 21	+4 22	*0.14	*0.14	1.0	1.2	0.5
2743	Cane Patch Creek entrance.....	31 49	81 09	+0 57	+0 40	+0.3	0.0	7.2	8.4	3.6
	St. Catherines and Sapelo Sounds									
2745	Walburg Creek entrance.....	31 42	81 09	+0 25	+0 20	+0.2	0.0	7.1	8.3	3.6
2747	Kilkenny Club, Kilkenny Creek.....	31 47	81 12	+0 31	+0 13	+1.0	0.0	7.9	9.2	3.9
2749	Sunbury, Medway River.....	31 46	81 17	+0 56	+0 42	+0.6	0.0	7.5	8.8	3.8
2751	Belfast, Belfast River.....	31 49	81 18	+1 25	+1 07	+0.9	0.0	7.8	9.1	3.9

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	St. Catherines and Sapelo Sounds Time meridian, 75°W			on SAVANNAH RIVER ENT., p.100						
2753	North Newport River	31 40	81 16	+0 58	+0 33	+0.7	0.0	7.6	8.9	3.8
2755	South Newport River	31 38	81 16	+0 39	+0 44	+0.5	0.0	7.4	8.7	3.7
2756	Dallas Bluff, Julienton River	31 35	81 19	+0 50	+1 01	+0.7	0.0	7.6	8.9	3.8
2757	Blackbeard Island	31 32	81 12	+0 20	+0 19	0.0	0.0	6.9	8.1	3.4
2758	Dog Hammock, Sapelo River	31 32	81 16	+0 31	+0 23	+0.2	0.0	7.1	8.3	3.6
2759	Pine Harbor, Sapelo River	31 33	81 22	+1 05	+1 01	+0.3	0.0	7.2	8.4	3.6
2760	Eagle Creek, Mud River	31 31	81 17	+0 23	+0 16	+0.3	0.0	7.2	8.4	3.6
2761	Mud River, at Old Teakettle Creek	31 29	81 19	+0 47	+0 43	+0.5	0.0	7.4	8.7	3.7
	Doboy and Altamaha Sounds									
2762	Blackbeard Creek, Blackbeard Island	31 29	81 13	+0 21	+0 44	-0.4	0.0	6.5	7.6	3.3
2763	Sapelo Island	31 23	81 17	0 00	+0 02	-0.1	0.0	6.8	8.0	3.4
2765	Hudson Creek entrance	31 27	81 21	+0 39	+0 28	+0.3	0.0	7.2	8.4	3.6
2767	Threemile Cut entrance, Darien River	31 21	81 23	+0 46	+0 52	+0.2	0.0	7.1	8.3	3.5
2769	Darien, Darien River	31 22	81 26	+1 10	+1 12	+0.4	0.0	7.3	8.5	3.6
2771	Wolf Island	31 20	81 19	+0 06	+0 35	-0.3	0.0	6.6	7.7	3.3
2773	Champney Island, South Altamaha River	31 20	81 28	+1 12	+2 30	-1.7	0.0	5.2	6.1	2.6
2775	Hampton River entrance	31 13	81 19	+0 18	+0 01	-0.3	0.0	6.6	7.8	3.3
2777	Jones Creek entrance, Hampton River	31 18	81 20	+1 05	+0 10	+0.3	0.0	7.2	8.5	3.6
	St. Simons Sound									
2779	St. Simons Sound Bar	31 06	81 19	+0 01	-0 05	-0.4	0.0	6.5	7.6	3.2
2781	St. Simons Light	31 08	81 24	+0 24	+0 28	-0.3	0.0	6.6	7.7	3.3
2783	Frederica River	31 13	81 24	+0 50	+0 53	+0.3	0.0	7.2	8.4	3.6
2785	Troup Creek entrance, Mackay River	31 13	81 26	+0 54	+0 49	+0.3	0.0	7.2	8.4	3.6
2787	Brunswick, East River	31 09	81 30	+0 55	+0 40	+0.4	0.0	7.3	8.5	3.6
	Turtle River									
2789	Allied Chemical Corp. docks	31 11	81 31	+1 05	+0 39	+0.7	0.0	7.6	8.9	3.8
2791	Dillard Creek	31 14	81 34	+1 34	+0 59	+1.1	0.0	8.0	9.4	4.0
2793	Buffalo River entrance	31 13	81 35	+1 39	+0 55	+1.1	0.0	8.0	9.4	4.0
2795	Highway bridge, South Brunswick River	31 09	81 34	+1 09	+0 46	+0.7	0.0	7.6	8.9	3.8
2797	Jekyll Point	31 01	81 26	+0 28	+0 28	-0.3	0.0	6.6	7.7	3.3
2799	Jointer Island, Jointer Creek	31 06	81 30	+1 02	+0 49	+0.3	0.0	7.2	8.4	3.6
	Little Satilla River									
2801	2.5 miles above mouth	31 04	81 30	+0 47	+0 49	-0.1	0.0	6.8	8.0	3.4
2803	8 miles above mouth	31 06	81 34	+1 15	+1 20	+0.4	0.0	7.3	8.5	3.6
2805	Below Spring Bluff	31 10	81 37	+2 00	+1 49	+0.6	0.0	7.5	8.8	3.7
2807	Dover Bluff, Dover Creek	31 01	81 32	+0 57	+0 49	+0.1	0.0	7.0	8.2	3.5
	Satilla River									
2809	Todd Creek entrance	30 58	81 31	+0 43	+0 59	-0.2	0.0	6.7	7.8	3.3
2811	Bailey Cut, 0.8 mile west of	30 59	81 36	+0 57	+1 20	0.0	0.0	6.9	8.1	3.4
2813	Ceylon	30 58	81 39	+1 25	+1 53	-0.3	0.0	6.6	7.7	3.3
2815	Burnt Fort	30 57	81 54	+4 46	+5 23	*0.46	*0.46	3.2	3.7	1.6
2817	Cumberland Wharf, Cumberland River	30 56	81 27	+0 40	+0 42	-0.1	0.0	6.8	8.0	3.4
2819	Floyd Creek, 2.8 miles above entrance	30 56	81 30	+0 59	+0 39	+0.2	0.0	7.1	8.3	3.5
	GEORGIA and FLORIDA Cumberland Sound									
2821	St. Marys Entrance, north jetty	30 43	81 26	+0 15	+0 15	-1.1	0.0	5.8	6.8	2.9
2823	Crooked River entrance	30 51	81 29	+1 23	+1 12	-0.1	0.0	6.8	8.0	3.4
2825	Harrietts Bluff, Crooked River	30 52	81 35	+2 09	+2 12	-0.5	0.0	6.4	7.5	3.2
2827	St. Marys, St. Marys River	30 43	81 33	+1 21	+1 13	-0.9	0.0	6.0	7.0	3.0
2829	Crandall, St. Marys River	30 43	81 37	+2 10	+1 59	-1.8	0.0	5.1	6.0	2.5
				on MAYPORT, p.108						
2831	Fernandina Beach (outer coast)	30 38	81 26	-0 18	-0 01	+1.2	0.0	5.7	6.7	2.8
2833	Fernandina Beach, Amelia River	30 40	81 28	+0 32	+0 16	+1.5	0.0	6.0	7.0	3.0
2835	Chester, Bells River	30 41	81 32	+0 49	+0 41	+1.9	0.0	6.4	7.5	3.2
2837	S.C.L. RR. bridge, Kingsley Creek	30 38	81 29	+0 59	+0 43	+1.5	0.0	6.0	7.0	3.0
	FLORIDA Nassau Sound and Fort George River									
2839	Nassau Sound	30 31	81 27	-0 03	+0 06	+0.9	0.0	5.4	6.3	2.7
2841	Amelia City, South Amelia River	30 35	81 28	+0 54	+1 03	+1.1	0.0	5.6	6.6	2.8
2843	Nassauville, Nassau River	30 34	81 31	+1 04	+1 37	+0.3	0.0	4.8	5.6	2.4
2845	Mink Creek entrance, Nassau River	30 32	81 34	+1 58	+2 32	-0.6	0.0	3.9	4.6	1.9
2847	Halfmoon Island, highway bridge	30 34	81 36	+3 00	+3 21	-1.0	0.0	3.5	4.1	1.7
2849	Sawpit Creek entrance	30 31	81 27	-0 02	+0 30	+0.5	0.0	5.0	5.8	2.5
2851	Fort George Island, Fort George River	30 26	81 26	+0 29	+0 39	+0.3	0.0	4.8	5.6	2.4
	FLORIDA, St. Johns River									
2853	South Jetty	30 24	81 23	-0 23	-0 17	+0.4	0.0	4.9	5.7	2.4
2855	MAYPORT	30 24	81 26	Daily predictions				4.5	5.3	2.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	FLORIDA, St. Johns River Time meridian, 75°W			on MAYPORT, p.108						
2857	Pablo Creek bascule bridge	30 19	81 26	+1 39	+1 15	*0.64	*0.64	2.9	3.4	1.4
2859	Fulton	30 23	81 30	+0 29	+0 42	-1.1	0.0	3.4	4.0	1.7
2861	Dame Point	30 23	81 33	+0 46	+0 55	*0.67	*0.67	3.0	3.5	1.5
2863	Phoenix Park (Cummers Mill)	30 23	81 38	+0 58	+1 25	*0.44	*0.44	2.0	2.3	1.0
2865	Jacksonville (Dredge Depot)	30 21	81 37	+1 24	+1 50	*0.44	*0.44	2.0	2.3	1.0
2867	Jacksonville (RR. bridge)	30 19	81 40	+2 06	+2 13	*0.27	*0.27	1.2	1.4	0.6
2869	Ortega River entrance	30 17	81 42	+2 27	+2 50	*0.20	*0.20	0.9	1.1	0.5
2871	Orange Park	30 10	81 42	+3 49	+4 14	*0.16	*0.16	0.7	0.8	0.3
2873	Green Cove Springs	30 00	81 40	+5 26	+6 13	*0.18	*0.18	0.8	0.9	0.4
2875	East Tocol	29 51	81 34	+6 47	+7 18	*0.22	*0.22	1.0	1.2	0.5
2877	Bridgeport	29 45	81 34	+6 58	+7 32	*0.24	*0.24	1.1	1.3	0.5
2879	Palatka	29 39	81 38	+7 26	+8 21	*0.27	*0.27	1.2	1.4	0.6
2881	Welaka	29 29	81 40	+7 46	+8 25	*0.11	*0.11	0.5	0.6	0.2
	FLORIDA, East Coast									
2883	Atlantic Beach	30 20	81 24	-0 25	-0 18	+0.7	0.0	5.2	6.0	2.6
2885	St. Augustine Inlet	29 53	81 17	-0 21	-0 01	0.0	0.0	4.5	5.3	2.2
2887	St. Augustine	29 54	81 18	+0 14	+0 43	-0.3	0.0	4.2	5.0	2.1
2889	Daytona Beach (ocean)	29 14	81 00	-0 33	-0 32	-0.4	0.0	4.1	4.9	2.0
				on MIAMI HARBOR ENT., p.112						
2891	Ponce de Leon Inlet	29 04	80 55	+0 06	+0 20	-0.2	0.0	2.3	2.7	1.2
2893	Cape Canaveral	28 26	80 34	-0 41	-0 41	+1.0	0.0	3.5	4.1	1.8
2894	Oak Hill, Mosquito Lagoon <21>	28 52	80 50	- - -	- - -	- -	- -	- -	- -	- -
	Indian River									
2895	Melbourne <22>	28 06	80 37	- - -	- - -	- -	- -	- -	- -	- -
2896	Palm Bay	28 02	80 35	+3 40	+4 19	*0.10	*0.10	0.2	0.2	0.1
2897	Wabasso	27 45	80 26	+2 48	+3 19	*0.16	*0.16	0.4	0.5	0.2
2898	Vero Beach	27 38	80 22	+3 21	+3 50	*0.32	*0.32	0.8	1.0	0.4
2900	Fort Pierce	27 27	80 19	+1 08	+1 01	*0.48	*0.48	1.2	1.4	0.6
2901	Jensen Beach	27 14	80 13	+2 40	+3 06	*0.40	*0.40	1.0	1.2	0.5
2902	Sebastian Inlet	27 52	80 27	-0 24	-0 20	-0.4	0.0	2.1	2.5	1.0
2903	Vero Beach (ocean)	27 40	80 22	-0 31	-0 25	+0.9	0.0	3.4	4.0	1.7
2905	Fort Pierce Inlet, south jetty	27 28	80 17	-0 09	-0 14	+0.1	0.0	2.6	3.1	1.3
	St. Lucie River									
2907	North Fork	27 15	80 19	+2 50	+3 29	*0.40	*0.40	1.0	1.2	0.5
2908	Stuart	27 12	80 16	+2 37	+3 33	*0.36	*0.36	0.9	1.1	0.4
2909	South Fork	27 10	80 15	+2 54	+3 34	*0.36	*0.36	0.9	1.1	0.4
2911	Sewall Point	27 10	80 11	+1 35	+2 11	*0.36	*0.36	0.9	1.1	0.4
2912	Seminole Shores	27 11	80 10	-0 30	-0 14	+0.5	0.0	3.0	3.6	1.5
2913	Great Pocket	27 09	80 10	+1 18	+1 51	*0.44	*0.44	1.1	1.3	0.6
2914	Gomez, South Jupiter Narrows	27 06	80 08	+1 56	+2 41	*0.52	*0.52	1.3	1.6	0.6
2916	Hobe Sound - State Park	27 02	80 06	+1 46	+2 22	-0.9	0.0	1.6	1.9	0.8
2917	Conch Bar, Jupiter Sound	26 59	80 06	+1 19	+1 38	-0.8	0.0	1.7	2.0	0.8
2918	Jupiter Sound, south end	26 57	80 05	+0 46	+0 49	-0.5	0.0	2.0	2.4	1.0
2919	Jupiter Inlet	26 57	80 04	+0 15	+0 01	0.0	0.0	2.5	3.0	1.2
	Loxahatchee River									
2921	Tequesta	26 57	80 06	+1 18	+2 02	-0.7	0.0	1.8	2.2	0.9
2922	North Fork	26 58	80 07	+1 27	+1 59	-0.6	0.0	1.9	2.3	1.0
2923	Southwest Fork (spillway)	26 56	80 09	+1 15	+1 49	-0.5	0.0	2.0	2.4	1.0
2924	Northwest Fork	26 59	80 08	+1 34	+2 10	-0.5	0.0	2.0	2.4	1.0
2926	Southwest Fork	26 57	80 07	+1 15	+1 47	-0.6	0.0	1.9	2.3	1.0
2927	Jupiter, Lake Worth Creek	26 56	80 05	+0 57	+1 16	-0.4	0.0	2.1	2.5	1.0
2928	Donald Ross Bridge	26 53	80 04	+0 43	+0 54	-0.2	0.0	2.3	2.8	1.2
2929	North Palm Beach, Lake Worth Creek	26 50	80 03	+0 05	+0 17	+0.4	0.0	2.9	3.4	1.4
2931	Port of Palm Beach, Lake Worth	26 46	80 03	0 00	+0 12	+0.1	0.0	2.6	3.1	1.3
2932	Palm Beach (ocean)	26 43	80 02	-0 21	-0 18	+0.3	0.0	2.8	3.3	1.4
2933	West Palm Beach Canal	26 39	80 03	+1 08	+1 36	0.0	0.0	2.5	2.8	1.2
2934	Lake Worth Pier (ocean)	26 37	80 02	-0 19	-0 17	+0.3	0.0	2.8	3.3	1.4
2936	Boynton Beach	26 33	80 03	+1 26	+2 09	0.0	0.0	2.5	2.8	1.2
2937	Delray Beach	26 28	80 04	+1 45	+2 09	0.0	0.0	2.5	2.9	1.2
2938	Yamato	26 24	80 04	+1 43	+1 59	-0.1	0.0	2.4	2.8	1.2
2939	Boca Raton	26 21	80 05	+0 47	+1 13	-0.3	0.0	2.2	2.5	1.1
2941	Deerfield Beach	26 19	80 05	+0 51	+1 07	-0.1	0.0	2.4	2.9	1.2
2942	Hillsboro Beach, Intracoastal waterway	26 16	80 05	+0 26	+0 38	+0.3	0.0	2.8	3.2	1.4
2943	Hillsboro Inlet (inside)	26 16	80 05	+0 08	+0 06	0.0	0.0	2.5	2.9	1.2
2944	Lauderdale-by-the-sea	26 11	80 06	-0 08	-0 08	+0.1	0.0	2.6	3.1	1.3
	Fort Lauderdale									
2946	Bahia Mar Yacht Club	26 07	80 06	+0 19	+0 38	-0.1	0.0	2.4	2.8	1.2
2947	Andrews Ave. bridge, New River	26 07	80 09	+0 39	+0 56	-0.4	0.0	2.1	2.4	1.0
2948	Port Everglades	26 06	80 07	-0 06	-0 06	+0.1	0.0	2.6	3.1	1.3
2949	South Port Everglades	26 05	80 07	0 00	+0 01	0.0	0.0	2.5	2.9	1.3
2951	Hollywood Beach	26 02	80 07	+1 00	+1 08	-0.4	0.0	2.1	2.4	1.0
2952	Golden Beach	25 58	80 08	+1 36	+2 04	-0.4	0.0	2.1	2.4	1.0
2953	Sunny Isles, Biscayne Creek	25 56	80 08	+2 23	+2 27	-0.7	0.0	1.8	2.2	0.9
2954	North Miami Beach	25 56	80 07	-0 04	0 00	0.0	0.0	2.5	3.0	1.2
2956	Bakers Haulover Inlet (inside)	25 54	80 08	+1 17	+1 35	-0.5	0.0	2.0	2.4	1.0
2957	Indian Creek	25 52	80 09	+1 36	+1 50	-0.4	0.0	2.1	2.5	1.1
2958	Miami Beach	25 46	80 08	0 00	0 00	0.0	0.0	2.5	3.0	1.3
2959	MIAMI HARBOR ENTRANCE	25 46	80 08	Daily predictions				2.5	3.0	1.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	FLORIDA, East Coast Time meridian, 75° W			on MIAMI HARBOR ENTRANCE, p.112						
	Biscayne Bay									
2961	Miami, 79th St. Causeway	25 51	80 10	+1 45	+2 13	-0.5	0.0	2.0	2.4	1.0
2963	Miami, Marina	25 47	80 11	+0 56	+1 17	-0.4	0.0	2.1	2.4	1.0
2964	Miami, Causeway (east end)	25 46	80 09	+1 19	+1 10	-0.5	0.0	2.0	2.4	1.0
2966	Dinner Key Marina	25 44	80 14	+1 19	+1 50	-0.6	0.0	1.9	2.3	1.0
	Florida keys									
2967	Cape Florida (west side), Key Biscayne	25 40	80 10	+0 49	+1 02	-0.8	0.0	1.7	2.0	0.8
2968	Cutler, Biscayne Bay	25 37	80 18	+1 25	+2 01	-0.5	0.0	2.0	2.3	1.0
2969	Soldier Key	25 35	80 10	+0 55	+1 19	-0.6	0.0	1.9	2.3	0.9
2971	Fowey Rocks	25 35	80 06	+0 03	+0 02	-0.1	0.0	2.4	2.9	1.2
2972	Ragged Keys, Biscayne Bay	25 32	80 10	+1 15	+1 44	-0.9	0.0	1.6	1.9	0.8
2973	Elliot Key (outside)	25 29	80 11	-0 02	-0 01	-0.2	0.0	2.3	2.8	1.2
2974	Elliot Key Harbor	25 27	80 12	+2 28	+3 24	*0.56	*0.56	1.4	1.6	0.7
2976	Adams Key, Biscayne Bay	25 24	80 14	+2 50	+2 33	*0.52	*0.52	1.3	1.6	0.7
2977	Christmas Point, Elliott Key	25 24	80 14	+0 37	+0 38	-0.7	0.0	1.8	2.1	0.9
2978	Turkey Point, Biscayne Bay	25 26	80 20	+2 35	+3 25	-0.9	0.0	1.6	1.8	0.8
2979	Totten Key	25 23	80 15	+2 50	+3 44	*0.48	*0.48	1.2	1.4	0.6
2981	Ocean Reef Club, Key Largo	25 18	80 17	+0 13	+0 19	-0.2	0.0	2.3	2.8	1.2
2982	Garden Cove, Key Largo	25 10	80 22	+0 36	+1 09	-0.3	0.0	2.2	2.6	1.1
2983	Mosquito Bank	25 04	80 24	+0 24	+0 30	-0.3	0.0	2.2	2.6	1.1
2984	Molasses Reef	25 01	80 23	+0 16	+0 11	-0.3	0.0	2.2	2.6	1.1
2986	Pumpkin Key, Card Sound	25 20	80 18	+3 12	+3 15	*0.28	*0.28	0.7	- -	0.4
2987	Barnes Sound	25 14	80 24	- - -	- - -	- -	- -	0.2	- -	- -
2988	Tavernier, Hawk Channel	25 00	80 31	+0 31	+0 27	-0.2	+0.2	2.1	- -	1.2
2989	Alligator Reef Light	24 51	80 37	+0 42	+0 33	-0.4	+0.2	1.9	2.3	1.2
	Florida Bay <10>									
2991	Lignumvitae Key	24 54	80 42	- - -	- - -	- -	- -	0.3	- -	- -
				on KEY WEST, p.116						
2992	Flamingo	25 09	80 56	+5 28	+7 22	+0.8	+0.1	2.0	2.5	1.0
2993	Boot Key Harbor, Vaca Key	24 42	81 06	-1 04	-0 37	+0.2	0.0	1.5	1.9	1.0
2994	Bahia Honda (bridge)	24 39	81 17	-0 46	-0 28	-0.1	0.0	1.2	- -	0.7
2995	No Name Key (east side)	24 42	81 19	+1 36	+1 22	-0.6	0.0	0.7	- -	0.6
2996	Big Spanish Key	24 47	81 25	+3 19	+4 29	*2.00	*1.50	2.7	- -	1.6
2997	Cudjoe Key, west side (bridge)	24 40	81 31	+3 51	+2 53	-0.3	0.0	1.0	- -	0.7
2998	Bird Key (highway bridge)	24 35	81 38	-0 26	+0 54	-0.6	-0.1	0.8	- -	0.5
2999	Sand Key Light	24 27	81 53	-1 02	-0 44	-0.1	0.0	1.2	1.5	0.6
3001	KEY WEST	24 33	81 48	Daily predictions				1.3	1.6	0.8
3002	Garden Key, Dry Tortugas	24 38	82 52	+0 28	+0 34	-0.1	+0.1	1.1	- -	0.8
3013	Channel Key	24 36	81 44	+3 08	+3 08	*0.67	*0.67	0.9	- -	0.6
	Gulf Coast							Mean	Diurnal	
3023	Cape Sable, East Cape	25 07	81 05	+3 49	+4 37	+2.0	+0.4	2.9	3.8	2.0
3025	Shark River entrance	25 21	81 08	+3 13	+4 32	+2.7	+0.4	3.6	4.5	2.4
3027	Whitewater Bay	25 19	81 02	- - -	- - -	- -	- -	0.5	0.8	0.4
3029	Lostmans River entrance	25 33	81 13	+3 15	+4 36	+2.1	+0.4	3.0	3.9	2.1
3031	Onion Key, Lostmans River	25 37	81 08	+5 25	+7 40	*0.46	*0.46	0.6	0.9	0.4
3033	Chatham River entrance	25 41	81 17	+3 15	+4 40	+2.2	+0.2	3.3	4.2	2.0
3035	Pavilion Key	25 42	81 21	+3 19	+4 11	+2.4	+0.2	3.5	4.4	2.2
3037	Everglades City, Barron River	25 51	81 23	+4 48	+6 45	+0.8	+0.1	2.0	2.6	1.3
				on ST. MARKS RIVER ENT., p.124						
3039	Indian Key	25 48	81 28	-1 10	-0 51	+1.0	0.0	3.4	4.3	2.3
3041	Round Key	25 50	81 32	-1 11	-0 58	+1.0	0.0	3.4	4.3	2.3
3043	Pumpkin Bay	25 55	81 33	+0 34	+0 57	*0.82	*0.82	2.1	2.7	1.3
3044	Coon Key	25 54	81 38	-0 50	-0 39	+0.2	0.0	2.6	3.5	1.9
3045	Cape Romano	25 51	81 41	-1 22	-1 06	+0.2	0.0	2.6	3.5	1.9
3046	Marco, Big Marco River	25 58	81 44	-1 09	-1 11	*0.73	*0.73	1.7	2.6	1.2
3047	Naples (outer coast)	26 08	81 48	-2 04	-2 07	*0.85	*0.85	2.1	2.8	1.6
				on ST. PETERSBURG, p.120						
	Estero Bay									
3048	Little Hickory Island	26 21	81 51	-0 58	-1 05	*1.09	*1.09	- -	2.5	1.3
3049	Coconut Point	26 24	81 50	-0 47	-0 40	*1.17	*1.17	- -	2.7	1.3
3050	Carlos Point	26 24	81 53	-1 08	-1 28	*1.17	*1.17	- -	2.7	1.4
3051	Matanzas Pass (swing br.) Estero Island	26 27	81 57	-1 10	-1 34	*1.22	*1.22	- -	2.8	1.4
3052	Point Ybel, San Carlos Bay entrance	26 27	82 01	-1 50	-1 12	*1.21	*1.21	- -	2.6	1.4
3053	Punta Rassa, San Carlos Bay	26 29	82 01	-1 01	-1 19	*1.04	*1.04	- -	2.4	1.2
	Caloosahatchee River									
3054	Iona Shores	26 31	81 58	+1 08	+1 40	*0.43	*0.43	- -	1.0	0.5
3055	Cape Coral Bridge	26 34	81 56	+1 15	+2 02	*0.43	*0.43	- -	1.0	0.5
3056	Fort Myers	26 39	81 52	+2 08	+2 44	*0.52	*0.52	- -	1.2	0.6
3057	St. James City, Pine Island	26 30	82 05	-0 30	-0 44	*1.04	*1.04	- -	2.4	1.2
3058	Galt Island, Pine Island Sound	26 31	82 06	-0 25	+0 16	*0.91	*0.91	- -	2.1	1.1
3059	Captiva Island (outside)	26 29	82 11	-2 20	-2 28	*1.13	*1.13	- -	2.6	1.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Diurnal	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	FLORIDA, Gulf Coast Time meridian, 75°W			on ST. PETERSBURG, p.120						
3060	Captiva Island, Pine Island Sound.....	26 31	82 11	-0 46	-0 20	*0.91	*0.91	- -	2.1	1.1
3061	Redfish Pass, Captiva I. (north end)....	26 33	82 12	-0 55	-1 14	*0.91	*0.91	- -	2.1	1.0
3062	Tropical Homesites Landing, Pine Island.	26 33	82 05	-0 08	+0 22	*0.87	*0.87	- -	2.0	1.0
3063	Matlacha Pass (bascule bridge).....	26 38	82 04	+0 43	+1 28	*0.83	*0.83	- -	1.9	1.0
3064	Pineland, Pine Island.....	26 40	82 09	-0 19	+0 26	*0.83	*0.83	- -	1.9	0.9
3065	Port Boca Grande, Charlotte Harbor.....	26 43	82 15	-1 12	-1 56	*0.74	*0.74	- -	1.7	0.9
3066	Punta Gorda, Charlotte Harbor.....	26 56	82 04	+1 06	+1 27	*0.83	*0.83	- -	1.9	1.0
3067	Shell Point, Peace River.....	26 59	82 00	+1 52	+2 30	*0.91	*0.91	- -	2.1	1.1
3068	El Jobean, Myakka River.....	26 58	82 13	+1 38	+1 56	*0.83	*0.83	- -	1.9	1.0
3069	Placida, Gasparilla Sound.....	26 50	82 16	-1 27	-0 59	*0.70	*0.70	- -	1.6	0.8
3070	Englewood, Lemon Bay.....	26 56	82 21	-0 57	-0 40	*0.70	*0.70	- -	1.6	0.8
3071	Venice Inlet (inside).....	27 07	82 28	-2 02	-1 38	*0.91	*0.91	- -	2.1	1.1
3072	Sarasota, Sarasota Bay.....	27 20	82 33	-1 38	-0 58	*0.91	*0.91	- -	2.1	1.1
3073	Cortez, Sarasota Bay.....	27 28	82 41	-2 00	-1 25	*0.96	*0.96	- -	2.2	1.1
	Tampa Bay									
3074	Egmont Key, Egmont Channel.....	27 36	82 46	-2 27	-2 24	*0.91	*0.91	- -	2.1	1.1
3075	Anna Maria.....	27 32	82 44	-2 07	-2 31	0.0	0.0	- -	2.3	1.2
3077	Bradenton, Manatee River.....	27 30	82 34	-1 24	-0 55	0.0	-0.1	- -	2.3	1.2
3079	Redfish Point, Manatee River.....	27 32	82 29	-0 30	+0 14	-0.1	-0.1	- -	2.2	1.1
3081	Mullet Key Channel (Skyway).....	27 37	82 40	-2 22	-1 58	*0.91	*0.91	- -	2.1	1.1
3083	Shell Point.....	27 43	82 29	+0 08	+0 17	0.0	0.0	- -	2.3	1.2
3085	Point Pinellas.....	27 42	82 38	-0 22	-0 29	*0.86	*0.86	- -	2.0	1.0
3087	ST. PETERSBURG.....	27 46	82 37	Daily predictions				- -	2.3	1.2
3089	Tampa, Hillsborough Bay.....	27 56	82 27	+0 07	+0 26	+0.5	+0.1	- -	2.8	1.4
3091	Safety Harbor, Old Tampa Bay.....	27 59	82 41	+1 38	+1 55	+0.5	0.0	- -	2.8	1.4
	Boca Ciega Bay									
3093	Pass-a-Grille Beach.....	27 41	82 44	-1 34	-1 30	*0.91	*0.91	- -	2.1	1.0
3095	Gulfport.....	27 44	82 42	-1 32	-1 05	0.0	-0.1	- -	2.3	1.2
3097	St. Petersburg Beach Causeway.....	27 45	82 45	-1 18	-0 44	-0.1	-0.1	- -	2.2	1.1
3099	Johns Pass.....	27 47	82 47	-2 14	-2 04	0.0	-0.1	- -	2.3	1.2
3101	Madeira Beach Causeway.....	27 48	82 48	-1 40	-1 18	0.0	-0.1	- -	2.3	1.2
	Gulf Coast-Continued			on ST. MARKS RIVER ENT., p.124						
3103	Indian Rocks Beach (inside).....	27 52	82 51	-1 34	-1 28	*0.79	*0.79	1.8	2.6	1.3
3105	Clearwater.....	27 57	82 48	-2 25	-2 10	*0.79	*0.79	1.8	2.6	1.3
3107	Dunedin, St. Joseph Sound.....	28 01	82 48	-2 27	-2 20	*0.85	*0.85	1.9	2.8	1.4
3109	Anclote Keys, south end.....	28 10	82 51	-2 24	-2 31	*0.91	*0.91	2.1	3.0	1.5
3111	Tarpon Springs, Anclote River.....	28 10	82 46	-1 25	-1 16	*0.82	*0.82	1.9	2.7	1.3
3113	Indian Bay.....	28 27	82 40	-0 51	-0 12	0.0	0.0	2.4	3.4	1.8
3115	Bayport.....	28 32	82 39	-0 59	-0 45	0.0	0.0	2.4	3.4	1.8
3117	Withlacoochee River entrance.....	29 00	82 46	-0 30	+0 20	+0.1	0.0	2.5	3.5	1.8
3119	Cedar Key.....	29 08	83 02	-0 34	-0 33	+0.2	0.0	2.6	3.5	1.8
3121	Suwannee River entrance.....	29 17	83 09	-0 31	-0 17	0.0	0.0	2.4	3.4	1.8
3123	Pepperfish Keys.....	29 30	83 22	-0 25	-0 11	0.0	0.0	2.4	3.4	1.8
3125	Steinhatchee River ent., Deadman Bay....	29 40	83 24	-0 20	-0 06	0.0	0.0	2.4	3.4	1.8
3127	Fishermans Rest.....	29 44	83 32	-0 19	-0 05	0.0	0.0	2.4	3.4	1.8
3129	Spring Warrior Creek.....	29 55	83 41	-0 14	0 00	0.0	0.0	2.4	3.4	1.8
3131	Rock Islands.....	29 58	83 50	-0 08	+0 01	0.0	0.0	2.4	3.3	1.8
	Apalachee Bay									
3133	Aucilla River entrance.....	30 05	84 00	-0 02	+0 02	0.0	0.0	2.4	3.3	1.8
3135	ST. MARKS RIVER ENTRANCE.....	30 04	84 11	Daily predictions				2.4	3.3	1.8
3137	St. Marks, St. Marks River.....	30 09	84 12	+0 31	+1 01	0.0	0.0	2.4	3.3	1.8
3139	Bald Point, Ochlockonee Bay.....	29 57	84 20	+0 15	+0 25	*0.82	*0.82	2.0	2.7	1.5
	St. George Sound			on ST. PETERSBURG, p.120						
3141	Dog Island, west end.....	29 47	84 40	+0 07	+0 06	+0.4	+0.2	- -	2.6	1.3
3143	Carrabelle, Carrabelle River.....	29 51	84 40	+0 35	+0 31	+0.5	+0.3	- -	2.6	1.3
	Apalachicola Bay									
3145	Cat Point.....	29 43	84 53	+1 20	+1 27	+0.1	+0.2	- -	2.2	1.1
3147	Apalachicola.....	29 43	84 59	+2 00	+2 44	*0.74	*0.74	- -	1.7	0.9
3149	Lower Anchorage.....	29 36	85 03	+1 43	+2 09	*0.65	*0.65	- -	1.5	0.8
3151	West Pass.....	29 38	85 06	+1 33	+2 17	*0.61	*0.61	- -	1.4	0.7
	Time meridian, 90°W			on PENSACOLA, p.128						
3153	Port Saint Joe, St. Joseph Bay †.....	29 48	85 18	-0 24	-0 51	+0.1	0.0	- -	1.4	0.7
	St. Andrew Bay									
3155	Channel entrance †.....	30 07	85 44	-1 31	-2 02	0.0	0.0	- -	1.3	0.6
3157	Panama City †.....	30 09	85 40	-0 43	-0 44	0.0	0.0	- -	1.3	0.6
3159	Parker †.....	30 08	85 37	-0 05	+0 22	+0.2	0.0	- -	1.5	0.7
3161	Laird Bayou, East Bay †.....	30 07	85 32	+0 26	+0 40	+0.3	0.0	- -	1.6	0.8
3163	Farmdale, East Bay †.....	30 01	85 28	+0 35	+0 55	+0.3	0.0	- -	1.6	0.8
3165	Wetappo Creek, East Bay †.....	30 02	85 24	+1 01	+1 40	+0.1	0.0	- -	1.4	0.7
3167	Lynn Haven, North Bay †.....	30 15	85 39	-0 06	+0 20	+0.3	0.0	- -	1.6	0.8
3169	West Bay Creek, West Bay †.....	30 17	85 51	+0 18	+1 23	+0.2	0.0	- -	1.5	0.7

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Diurnal	Mean Tide Level
		° ′ N	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	FLORIDA, Gulf Coast-Continued Time meridian, 90°W									
	Choctawhatchee Bay <11>			on PENSACOLA, p.128						
3171	East Pass (Destin).....	30 24	86 31	-0 27	+1 20	*0.46	*0.46	- -	0.6	0.3
3173	Harris, The Narrows†.....	30 24	86 44	+1 37	+2 51	+0.1	0.0	- -	1.4	0.7
3175	Fishing Bend, Santa Rosa Sound †.....	30 20	87 08	+0 41	+0 51	+0.1	0.0	- -	1.4	0.7
	Pensacola Bay									
3177	Entrance †.....	30 20	87 19	-1 23	-0 34	-0.2	0.0	- -	1.1	0.5
3179	Warrington, 2 miles south of †.....	30 21	87 16	-0 27	-0 30	0.0	0.0	- -	1.3	0.6
3181	PENSACOLA †.....	30 24	87 13	Daily predictions				- -	1.3	0.6
3183	Lora Point, Escambia Bay †.....	30 31	87 10	+0 36	+1 03	+0.2	0.0	- -	1.5	0.7
3185	East Bay †.....	30 27	86 55	+0 44	+1 17	+0.3	0.0	- -	1.6	0.8
3187	Bay Point, Blackwater River †.....	30 34	87 00	+1 23	+1 27	+0.3	0.0	- -	1.6	0.8
3189	Milton, Blackwater River †.....	30 37	87 02	+1 40	+1 47	+0.3	0.0	- -	1.6	0.8
	ALABAMA			on MOBILE,. p.132						
3191	Perdido Bay <11>.....	- - -	- - -	- - -	- - -	- -	- -	- -	- -	- -
3193	Mobile Point (Fort Morgan) †.....	30 14	88 01	-1 46	-1 32	-0.3	0.0	- -	1.2	0.6
3194	Fort Gaines, Mobile Bay Entrance †.....	30 15	88 04	-1 51	-1 49	-0.2	0.0	- -	1.3	0.6
3195	Bon Secour, Bon Secour River †.....	30 18	87 44	-1 13	-1 17	+0.1	0.0	- -	1.6	0.8
3196	Fowl River, Mobile Bay Entrance †.....	30 26	88 07	-0 19	-0 09	0.0	0.0	- -	1.5	0.8
3197	Great Point Clear, Mobile Bay †.....	30 29	87 56	-1 03	-0 57	-0.1	0.0	- -	1.4	0.7
3198	MOBILE, Mobile River †.....	30 41	88 02	Daily predictions				- -	1.5	0.8
3199	Lower Hall Landing, Tensaw River †.....	30 49	87 55	+2 16	+3 05	-0.2	0.0	- -	1.3	0.6
				on PENSACOLA, p.128						
3200	Bayou La Batre, Mississippi Sound †.....	30 22	88 16	-1 17	-1 04	+0.2	0.0	- -	1.5	0.8
	MISSISSIPPI									
3201	Horn Island Pass †.....	30 13	88 29	-0 31	-0 53	+0.4	0.0	- -	1.7	0.8
3202	Pascagoula, Mississippi Sound †.....	30 20	88 32	-0 40	-0 46	+0.2	0.0	- -	1.5	0.8
3203	Pascagoula River entrance †.....	30 21	88 34	0 00	-0 42	+0.3	0.0	- -	1.6	0.8
3205	Biloxi, Biloxi Bay †.....	30 24	88 51	-0 32	-0 20	+0.5	0.0	- -	1.8	0.9
3207	Ship Island Pass †.....	30 13	88 59	-0 42	-0 30	+0.4	0.0	- -	1.7	0.8
3209	Cat Island (West Point) †.....	30 14	89 10	-0 44	+0 07	+0.4	0.0	- -	1.7	0.8
3211	Bay St. Louis †.....	30 19	89 18	+0 53	+1 26	+0.3	0.0	- -	1.6	0.8
	LOUISIANA									
3213	Long Point, Lake Borgne †.....	30 09	89 36	+1 29	+1 42	*0.77	*0.77	- -	1.0	0.5
3215	Shell Beach, Lake Borgne †.....	29 52	89 41	+3 22	+4 11	0.0	0.0	- -	1.3	0.6
3217	Chandeleur Light †.....	30 03	88 52	-0 39	-0 21	-0.1	0.0	- -	1.2	0.6
3218	Gardner Island, Breton Sound †.....	29 41	89 23	-0 19	+0 18	+0.2	0.0	- -	1.5	0.8
3219	Breton Islands †.....	29 30	89 10	-0 21	-0 15	0.0	0.0	- -	1.3	0.7
3221	Jack Bay †.....	29 22	89 21	+0 12	+0 30	-0.1	0.0	- -	1.2	0.6
3222	Lonesome Bayou (Thomasin) †.....	29 14	89 03	-2 35	-2 47	-0.2	0.0	- -	1.1	0.5
	Mississippi River									
3223	Pass a Loutre entrance †.....	29 12	89 02	-1 48	-1 00	-0.1	0.0	- -	1.2	0.6
3224	Southeast Pass †.....	29 07	89 03	-2 32	-2 46	-0.1	0.0	- -	1.2	0.6
3225	Port Eads, South Pass †.....	29 01	89 10	-2 13	-2 35	*0.85	*0.85	- -	1.1	0.5
3226	Joseph Bayou †.....	29 04	89 16	-2 32	-2 35	+0.1	0.0	- -	1.4	0.7
3227	Southwest Pass †.....	28 56	89 26	-2 34	-2 31	0.0	0.0	- -	1.3	0.6
3229	Head of Passes †.....	29 09	89 15	-1 47	-0 29	*0.69	*0.69	- -	0.9	0.4
3230	New Orleans <12> †.....	29 55	90 04	- - -	- - -	- -	- -	- -	- -	- -
3231	Paris Road Bridge †.....	30 00	89 56	+4 09	+5 09	*0.85	*0.85	- -	1.1	0.6
3232	Empire Jetty †.....	29 15	89 36	-2 47	-2 34	0.0	0.0	- -	1.3	0.7
3233	Bastian Island †.....	29 17	89 40	-1 03	-0 37	-0.1	0.0	- -	1.2	0.6
3235	Quatre Bayous Pass †.....	29 18	89 51	+0 34	-0 32	0.0	0.0	- -	1.3	0.6
3237	Barataria Pass †.....	29 16	89 57	-0 44	-0 59	*0.92	*0.92	- -	1.2	0.6
	Barataria Bay									
3239	Bayou Rigaud, Grand Isle †.....	29 16	89 58	-0 12	-0 03	-0.3	0.0	- -	1.0	0.5
3241	Independence Island †.....	29 19	89 56	+0 45	+1 10	-0.4	0.0	- -	0.9	0.4
3243	Manilla †.....	29 26	89 59	+0 48	+2 24	-0.3	0.0	- -	1.0	0.5
3245	Caminada Pass (bridge) †.....	29 12	90 03	+0 30	+0 45	*0.69	*0.69	- -	0.9	0.4
3247	Timbalier Island, Timbalier Bay †.....	29 05	90 32	-1 25	-0 26	*0.92	*0.92	- -	1.2	0.6
3249	Pelican Islands, Timbalier Bay †.....	29 08	90 25	+0 42	+1 37	-0.1	0.0	- -	1.2	0.6
3251	Wine Island, Terrebonne Bay †.....	29 05	90 37	-0 36	+0 13	0.0	0.0	- -	1.3	0.6
3253	Caillou Boca †.....	29 04	90 48	-1 04	-0 01	+0.1	0.0	- -	1.4	0.7
3255	Raccoon Point, Caillou Bay †.....	29 04	90 58	-1 47	-1 09	+0.4	0.0	- -	1.7	0.8
3257	Ship Shoal Light †.....	28 55	91 04	-3 38	-2 39	+0.3	0.0	- -	1.6	0.8
	Atchafalaya Bay			on GALVESTON, p.136						
3258	Eugene Island †.....	29 22	91 23	-0 25	-2 03	+0.5	0.0	- -	1.9	1.0
3259	Point Au Fer †.....	29 20	91 21	-0 21	-2 26	+0.6	0.0	- -	2.0	1.0
3260	Shell Island †.....	29 28	91 18	+0 54	-0 39	+0.1	0.0	- -	1.5	0.7
3261	Point Chevreuil †.....	29 31	91 33	+1 02	-0 54	+0.1	0.0	- -	1.5	0.8
3262	Rabbit Island, 5 miles south of †...	29 25	91 36	-0 13	-2 00	+0.6	0.0	- -	2.0	1.0
3263	South Point, Marsh Island †.....	29 29	91 46	-0 19	-1 57	+0.4	0.0	- -	1.8	0.9
3264	Lighthouse Point †.....	29 31	92 03	-1 16	-2 17	+0.6	0.0	- -	2.0	1.0

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Diurnal	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
				on GALVESTON, p.136						
	LOUISIANA Time meridian, 90°W									
3265	Cote Blanche, West Cote Blanche Bay †...	29 44	91 43	+2 19	+2 16	0.0	0.0	- -	1.4	0.7
3266	Southwest Pass, Vermilion Bay †.....	29 35	92 02	-0 32	-0 33	+0.2	0.0	- -	1.6	0.8
3267	Weeks Bay, Vermilion Bay †.....	29 48	91 50	+1 44	+2 32	+0.1	0.0	- -	1.5	0.7
3269	Mermentau River entrance †.....	29 45	93 06	-1 54	-0 59	*1.79	*1.79	- -	2.5	1.2
3270	Calcasieu Pass, Lighthouse wharf †.....	29 47	93 21	-2 14	-1 24	*1.43	*1.43	- -	2.0	1.0
	TEXAS									
3271	Sabine Bank Lighthouse †.....	29 28	93 43	-1 46	-1 31	*2.00	*2.00	- -	2.8	1.4
3272	Sabine Pass (jetty) †.....	29 39	93 50	-1 26	-1 31	*1.79	*1.79	- -	2.5	1.2
3273	Sabine Pass †.....	29 42	93 51	-1 00	-1 15	*1.36	*1.36	- -	1.9	1.0
3274	Mesquite Point, Sabine Pass †.....	29 46	93 54	-0 04	-0 25	*0.93	*0.93	- -	1.3	0.6
3275	Galveston Bay entrance, south jetty †...	29 20	94 42	-0 39	-1 05	+0.6	0.0	- -	2.0	1.0
3276	Port Bolivar †.....	29 22	94 47	+0 14	-0 06	0.0	0.0	- -	1.4	0.7
3277	GALVESTON, Galveston Channel †.....	29 19	94 48	Daily predictions				- -	1.4	0.7
	Galveston Bay									
3279	Texas City, Turning Basin †.....	29 23	94 53	+0 33	+0 41	0.0	0.0	- -	1.4	0.7
3280	Eagle Point <20> †.....	29 30	94 55	+3 54	+4 15	*0.71	*0.71	- -	1.0	0.5
3281	Clear Lake <20> †.....	29 34	95 04	+6 05	+6 40	*0.64	*0.64	- -	0.9	0.4
3282	Morgans Point <20> †.....	29 41	94 59	+10 21	+5 19	*0.71	*0.71	- -	1.0	0.5
3283	Round Point, Trinity Bay <20> †.....	29 44	94 42	+10 39	+5 15	*0.71	*0.71	- -	1.0	0.5
3284	Point Barrow, Trinity Bay †.....	29 44	94 50	+5 48	+4 43	*0.79	*0.79	- -	1.1	0.5
3285	Gilchrist, East Bay †.....	29 31	94 29	+3 16	+4 18	*0.86	*0.86	- -	1.2	0.6
3287	Jamaica Beach, West Bay †.....	29 12	94 59	+2 38	+3 31	*0.71	*0.71	- -	1.0	0.5
3288	Alligator Point, West Bay †.....	29 10	95 08	+2 39	+2 33	*0.64	*0.64	- -	0.9	0.4
3289	Christmas Point, Christmas Bay †.....	29 05	95 10	+2 32	+2 31	*0.64	*0.64	- -	0.9	0.4
3290	Galveston Pleasure Pier †.....	29 17	94 47	-1 06	-1 06	*1.50	*1.50	- -	2.1	1.1
3291	San Luis Pass †.....	29 05	95 07	-0 09	-0 09	*0.86	*0.86	- -	1.2	0.6
3293	Freeport Harbor †.....	28 57	95 19	-0 44	-1 02	+0.4	0.0	- -	1.8	0.9
3295	Pass Cavallo †.....	28 22	96 24	0 00	-1 20	0.0	0.0	- -	1.4	0.7
3297	Port O'Connor, Matagorda Bay †.....	28 27	96 24	- - -	- - -	- -	- -	- -	0.5	0.2
3299	Port Lavaca, Matagorda Bay †.....	28 37	96 37	- - -	- - -	- -	- -	- -	0.7	0.3
3301	Aransas Pass Channel <14> †.....	27 50	97 03	- - -	- - -	- -	- -	- -	1.4	0.7
3302	Riviera Beach, Baffin Bay †.....	27 17	97 40	- - -	- - -	- -	- -	- -	0.3	0.1
3303	Padre Island (south end) <14> †.....	26 04	97 09	-0 24	-1 45	0.0	0.0	- -	1.4	0.7
3305	Port Isabel †.....	26 04	97 13	+1 02	-0 42	-0.1	0.0	- -	1.3	0.7
				on TAMPICO HARBOR, p.140						
	MEXICO <13> Gulf of Mexico									
3306	Matamoros †.....	25 53	97 31	+0 55	+0 40	0.0	0.0	- -	1.4	0.7
3307	TAMPICO HARBOR (Madero) †.....	22 13	97 51	Daily predictions				- -	1.4	0.7
3309	Tuxpan †.....	21 00	97 20	+0 02	+0 04	+0.3	0.0	- -	1.7	0.8
3311	Veracruz †.....	19 12	96 08	-0 19	-0 12	+0.3	0.0	- -	1.7	0.8
3313	Alvarado †.....	18 46	95 46	+0 51	+0 27	-0.1	0.0	- -	1.3	0.6
3315	Coatzcoalcos †.....	18 09	94 25	-0 40	+0 05	+0.1	0.0	- -	1.5	0.7
3317	Frontera †.....	18 32	92 39	-0 18	-0 27	+0.2	0.0	- -	1.6	0.8
3319	Progreso †.....	21 18	89 40	+1 19	+0 23	+0.4	0.0	- -	1.8	0.9
				on KEY WEST, p.116						
	BELIZE									
3327	Belize City.....	17 30	88 11	+0 07	+0 41	(*0.46-0.1)		0.6	0.7	0.3
3328	Punta Gorda.....	16 06	88 49	- - -	- - -	- -	- -	0.6	- -	- -
	GUATEMALA <13>									
3329	Rio Dulce entrance.....	15 50	88 49	-1 32	-1 41	-0.1	0.0	1.2	1.5	0.8
	HONDURAS <13>									
3331	Puerto Cortes.....	15 50	87 57	- - -	- - -	- -	- -	0.5	0.6	0.2
3333	Port Royal, Isla de Roatan.....	16 24	86 20	-2 48	-2 41	-0.1	0.0	1.2	1.4	0.8
3335	Puerto Castilla.....	16 00	86 02	- - -	- - -	- -	- -	0.6	- -	- -
3337	Guanaja, Isla de.....	16 29	85 54	-1 33	-1 48	*0.73	*0.73	1.0	1.3	0.6
3339	Harbor Bay, Great Swan Island.....	17 24	83 56	- - -	- - -	- -	- -	0.7	- -	- -
				on HAMPTON ROADS, p.88						
	NICARAGUA <13>									
3341	Cabo Gracias a Dios.....	15 00	83 10	+0 23	-0 32	*0.56	*0.56	1.2	1.6	0.8
3343	Puerto Cabezas.....	14 01	83 23	+3 05	+3 11	*0.56	*0.56	1.4	1.9	0.7
3345	Cayos de Perlas.....	12 25	83 25	+4 53	+4 33	(*0.36+0.3)		0.9	1.3	0.7
3347	Isla del Maiz Grande.....	12 10	83 03	+4 38	+4 13	(*0.36+0.3)		0.9	1.3	0.7
3349	Bluefields Lagoon entrance.....	12 00	83 42	+3 54	+3 27	*0.28	*0.28	0.7	1.0	0.3
3351	San Juan del Norte (Greytown).....	10 55	83 42	+4 03	+4 03	(*0.28+0.2)		0.7	1.1	0.6
				on CRISTOBAL, p.144						
	COSTA RICA <13>									
3353	Limon.....	10 00	83 02	-0 32	-0 29	0.0	0.0	0.7	1.2	0.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Diurnal	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	PANAMA <13> Time meridian, 75°W			on CRISTOBAL, p.144						
3355	Bocas del Toro, Almirante Bay	9 21	82 15	+0 21	+0 24	+0.1	0.0	0.8	1.2	0.4
3357	CRISTOBAL	9 21	79 55					0.7	1.1	0.3
3359	Bahia de Caledonia	8 54	77 41	+0 12	0 00	0.0	0.0	0.7	1.1	0.3
	BERMUDA ISLANDS Time meridian, 60°W			on HAMPTON ROADS, p.88				Mean	Spring	
3361	Ireland Island	32 19	64 50	-0 28	-0 29	+0.9	+0.8	2.6	3.1	2.2
3363	Ferry Reach (Biological Station)	32 22	64 42	-0 40	-0 38	+0.9	+1.0	2.4	3.0	2.2
	BAHAMAS Time meridian, 75°W									
3367	Guinchos Cay	22 45	78 07	-1 07	-1 07	+0.5	+0.9	2.1	2.6	1.9
3369	Elbow Cay, Cay Sal Bank	23 57	80 28	+0 05	+0 05	+0.5	+0.9	2.1	2.6	1.9
3370	Fresh Creek, Andros Island	24 44	77 48	-1 08	-1 31	+0.6	+0.7	2.4	2.9	1.9
3371	North Cat Cay	25 33	79 17	-0 51	-0 51	+0.6	+0.8	2.3	2.8	2.0
3372	North Bimini	25 44	79 18	-1 08	-1 01	+0.8	+0.9	2.4	2.9	2.1
3373	Memory Rock	26 57	79 07	-0 57	-0 57	+0.6	+0.8	2.3	2.7	1.9
3375	Pelican Harbor	26 23	76 58	-0 55	-0 55	+0.8	+0.7	2.6	3.1	2.0
3377	Nassau, New Providence Island	25 05	77 21	-1 21	-1 26	+0.8	+0.7	2.6	3.1	2.0
3379	Eleuthera Island, west coast	25 15	76 19	+0 56	+1 10	+0.7	+0.8	2.4	2.9	2.0
3381	Eleuthera Island, east coast	24 56	76 09	-1 02	-1 00	+0.6	+0.9	2.2	2.6	2.0
3383	The Bight, Cat Island	24 19	75 26	-1 50	-1 50	+0.8	+0.7	2.6	3.1	2.0
3385	San Salvador	24 03	74 33	-1 21	-1 29	+0.6	+0.8	2.3	2.8	2.0
3387	Clarence Harbor, Long Island	23 06	74 59	-0 32	-0 32	+0.8	+0.7	2.6	3.1	2.0
3389	Nurse Channel	22 31	75 51	-1 13	-1 13	+0.5	+0.9	2.1	2.6	1.9
3391	Datum Bay, Acklin Island	22 10	74 18	-1 34	-1 34	+0.5	+1.0	2.0	2.6	2.0
3393	Mathew Town, Great Inagua Island	20 57	73 41	-1 05	-1 05	+0.3	+0.7	2.1	2.6	1.7
3395	Abraham Bay, Mayaguana Island	22 22	73 00	-1 11	-1 13	+0.3	+0.8	2.0	2.5	1.8
3397	Hawks Nest Anchorage, Turks Islands	21 26	71 07	-1 40	-1 40	+0.3	+0.7	2.1	2.6	1.7
	WEST INDIES Cuba									
3399	La Isabela	22 56	80 00	+0 20	+0 16	*0.64	*0.64	1.6	2.0	0.8
3401	Bahia de Nuevitas entrance	21 38	77 07	-0 05	-0 46	*0.52	*0.52	1.3	1.5	0.6
3403	Nuevitas, Bahia de Nuevitas	21 35	77 15	+1 32	+1 33	*0.56	*0.56	1.4	1.6	0.7
3405	Puerto Padre	21 14	76 33	-0 05	-0 10	-0.4	0.0	2.1	2.4	1.0
3407	Puerto de Gibara	21 07	76 07	-1 06	-1 03	-0.6	0.0	1.9	2.2	0.9
3409	Bahia de Nipe entrance	20 47	75 34	-0 55	-1 01	-0.5	0.0	2.0	2.3	1.0
3411	Antilla, Bahia de Nipe	20 50	75 44	-0 37	-0 44	-0.3	0.0	2.2	2.5	1.1
3413	Bahia de Levisa entrance	20 45	75 28	-1 03	-1 07	-0.6	0.0	1.9	2.2	0.9
3415	Sagua de Tanamo, Bahia de	20 43	75 19	-1 00	-1 08	-0.6	0.0	1.9	2.2	0.9
3417	Baracoa	20 21	74 30	-1 14	-1 18	-0.8	0.0	1.7	2.0	0.8
3419	Punta Maisi	20 15	74 08	-1 16	-1 20	-0.3	0.0	2.2	2.8	1.1
				on SAN JUAN, p.148						
3421	Guantanamo Bay	19 54	75 09	-0 08	-0 20	*0.91	*0.91	1.0	1.3	0.5
3423	Puerto de Santiago de Cuba	19 59	75 52	+0 34	+0 20	*0.91	*0.91	1.0	1.2	0.5
3425	Puerto de Pilon	19 54	77 19	+0 15	+0 16	*0.73	*0.73	0.8	1.0	0.4
3427	Manzanillo, Golfo de Guacanayabo	20 21	77 07	+1 45	+1 41	+0.8	+0.2	1.7	2.1	1.0
3429	Casilda	21 45	79 59	+1 08	+0 55	*0.73	*0.73	0.8	0.9	0.4
	Bahia de Cienfuegos									
3431	Punta Pasacaballos	22 04	80 27	+0 53	+0 58	*0.82	*0.82	0.9	1.1	0.4
3433	Cienfuegos	22 08	80 27	+0 55	+1 01	*0.82	*0.82	0.9	1.1	0.4
3435	Carapachibey, Isla de Pinos	21 27	82 55	+0 47	+0 55	*0.55	*0.55	0.6	0.8	0.3
3437	La Coloma	22 14	83 34	+2 08	+2 26	*0.55	*0.55	0.6	0.7	0.3
				on KEY WEST, p.116						
3439	Cabo San Antonio	21 52	84 58	-0 57	-0 13	*0.80	*0.80	1.2	1.5	0.6
3441	Bahia Honda	22 58	83 13	-1 11	-0 29	*0.67	*0.67	1.0	1.4	0.5
3443	Havana	23 09	82 20	-0 55	-0 46	*0.67	*0.67	1.0	1.2	0.5
3445	Matanzas	23 04	81 32	-1 05	-1 05	*0.80	*0.80	1.2	1.5	0.6
3447	Cardenas	23 04	81 12	-0 18	+0 28	-0.1	-0.2	1.4	1.8	0.7
	Jamaica			on GALVESTON, p.136				Mean	Diurnal	
3449	Port Morant	17 53	76 20	-7 45	-7 45	*0.57	*0.57	- -	0.8	0.4
3451	Port Royal †	17 56	76 51	-7 07	-8 14	*0.50	*0.50	- -	0.7	0.3
3453	Galleon Harbour	17 54	77 04	- - -	- - -	- -	- -	- -	0.8	- -
3455	South Negril Point †	18 18	78 24	-2 47	-2 47	+0.3	0.0	- -	1.7	0.8
3457	Montego Bay	18 28	77 55	-6 44	-6 40	*0.71	*0.71	- -	1.0	0.5
3459	St. Anns Bay	18 25	77 14	-7 17	-7 17	*0.57	*0.57	- -	0.8	0.4
3461	Grand Cayman †	19 20	81 20	-8 01	-8 01	-0.1	0.0	- -	1.3	0.6

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Haiti and Dominican Republic Time meridian, 75°W			on SAN JUAN, p.148						
3463	Port-au-Prince	18 33	72 21	-0 31	-0 35	+0.1	+0.1	1.1	1.3	0.6
3465	Massacre, Riviere du entrance	19 43	71 46	-1 00	-1 04	*1.45	*1.45	1.6	2.0	0.8
3467	Puerto Plata	19 49	70 42	-1 08	-1 17	*1.45	*1.45	1.6	2.0	0.8
3469	Santa Barbara de Samana	19 12	69 20	-0 50	-0 50	+0.3	0.0	1.4	1.6	0.7
3471	Sanchez	19 13	69 36	-0 36	-0 40	*2.09	*2.09	2.3	3.0	1.1
				on GALVESTON, p.136				Mean Diurnal		
3473	Saona, Isla †	18 10	68 40	- - -	- - -	- -	- -	- -	0.6	- -
3475	La Romana †	18 25	68 57	- - -	- - -	- -	- -	- -	0.6	- -
3477	Santo Domingo †	18 27	69 53	-6 28	-11 01	*0.57	*0.57	- -	0.8	0.4
3479	Barahona †	18 12	71 05	- - -	- - -	- -	- -	- -	0.7	0.3
3481	Jacmel †	18 13	72 34	-10 00	-10 00	+0.6	0.0	- -	2.0	1.0
	Puerto Rico Time meridian, 60°W									
3483	Magueyes Island †	17 58	67 03	-6 37	-10 24	*0.50	*0.50	- -	0.7	0.4
3485	Guanica †	17 58	66 55	-7 57	-10 14	*0.50	*0.50	- -	0.7	0.3
3487	Playa de Ponce †	17 58	66 37	-7 14	-10 45	*0.57	*0.57	- -	0.8	0.4
3489	Playa Cortada †	17 59	66 27	-6 57	-11 09	*0.57	*0.57	- -	0.8	0.4
3491	Arroyo †	17 58	66 04	-5 43	-10 19	*0.57	*0.57	- -	0.8	0.4
3493	Puerto Maunabo †	18 00	65 53	-7 31	-9 19	*0.50	*0.50	- -	0.7	0.4
3495	Culebrita, Isla †	18 19	65 14	-9 09	-7 52	*0.79	*0.79	- -	1.1	0.5
3497	Puerto Ferro, Isla de Vieques †	18 06	65 26	-9 01	-7 31	*0.57	*0.57	- -	0.8	0.4
				on SAN JUAN, p.148				Mean	Spring	
3499	Punta Mulas, Isla de Vieques	18 09	65 26	-0 05	-0 14	*0.73	*0.73	0.8	0.9	0.4
3500	Roosevelt Roads	18 14	65 37	+0 11	+0 32	*0.64	*0.64	0.7	0.8	0.3
3501	Ensenada Honda, Culebra Island	18 18	65 17	-0 30	-0 12	*0.64	*0.64	0.7	0.9	0.4
3503	Playa de Fajardo	18 20	65 38	-0 01	-0 10	*1.00	*1.00	1.1	1.3	0.5
3505	SAN JUAN	18 28	66 07	Daily predictions				1.1	1.3	0.5
3507	Mayaguez	18 13	67 09	-0 26	-0 18	*1.00	*1.00	1.1	1.4	0.5
3509	Puerto Real	18 05	67 11	-0 29	-0 23	*0.73	*0.73	0.8	1.0	0.4
	Lesser Antilles									
	Virgin Islands									
3511	Magens Bay, St. Thomas Island	18 22	64 55	-0 14	-0 04	*0.91	*0.91	1.0	1.3	0.5
				on GALVESTON, p.136				Mean Diurnal		
3513	Charlotte Amalie, St. Thomas Island†	18 20	64 56	-8 12	-8 16	*0.57	*0.57	- -	0.8	0.4
3515	Christiansted, St. Croix Island †	17 45	64 42	-9 17	-9 23	*0.57	*0.57	- -	0.8	0.4
3517	St. Barthelemy †	17 54	62 51	-10 00	-9 18	0.0	0.0	- -	1.4	0.7
3519	Parham, Antigua	17 06	61 46	- - -	- - -	- -	- -	- -	0.9	- -
3521	Pointe-a-Pitre, Guadeloupe	16 14	61 32	-12 02	-12 02	(*0.71+1.6)		- -	1.0	2.1
				on KEY WEST, p.116						
3523	Roseau, Dominica	15 18	61 24	-6 36	-6 11	(*0.53+0.7)		0.7	1.2	1.1
3525	Fort-de-France, Martinique	14 35	61 03	- - -	- - -	- -	- -	0.5	- -	1.8
3527	Castries, St. Lucia	14 01	61 00	-7 16	-7 11	(*0.62+1.0)		0.8	1.2	1.5
3529	Vieux Fort Bay, St. Lucia	13 44	60 58	-6 09	-5 44	(*0.69+0.9)		0.9	- -	1.5
3531	Kingstown, St. Vincent <15>	13 10	61 13	-7 16	-6 44	+0.5	-0.2	2.0	2.7	1.0
3533	Bridgetown, Barbados	13 06	59 38	-6 35	-5 53	+0.2	-0.2	1.7	2.1	0.8
3535	Grenada	12 04	61 45	-7 33	-6 57	(*0.92+0.7)		1.2	1.5	1.5
3537	Scarborough, Tobago <15>	11 11	60 44	-6 47	-6 28	(*1.62-0.3)		2.1	2.7	1.1
				on CRISTOBAL, p.144						
3539	Schottegat, Curacao †	12 07	68 56	+0 25	+1 09	+0.1	+0.3	- -	0.9	0.7
3541	St. Nicolaas Bay, Aruba †	12 26	69 54	- - -	- - -	- -	- -	- -	0.8	- -
	COLOMBIA <13> Time meridian, 75°W			on HAMPTON ROADS, p.88						
3542	Isla de Providencia	13 20	81 23	+7 53	+7 53	*0.28	*0.28	0.7	1.1	0.3
				on CRISTOBAL, p.144						
3543	Turbo	8 10	76 45	-0 49	-0 30	*1.43	*1.43	1.0	1.4	0.5
3544	Covenas	9 20	75 40	-1 06	-0 46	+0.1	0.0	0.8	1.2	0.4
3545	Cartagena, Bahia de Cartagena	10 24	75 33	-1 16	-0 48	0.0	0.0	0.7	1.1	0.3
3546	Puerto Colombia	11 00	74 58	-0 52	-1 08	+0.2	0.0	0.9	1.3	0.4
3547	Santa Marta	11 18	74 12	-1 19	-1 08	0.0	0.0	0.7	1.1	0.3
3549	Riohacha	11 33	72 55	-1 54	-1 09	0.0	0.0	0.7	1.1	0.3

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	VENEZUELA Time meridian, 60°W			on ISLA ZAPARA, p.152						
3551	ISLA ZAPARA, Lake Maracaibo.....	11 00	71 35	Daily predictions				2.8	3.0	2.7
3552	Bahia de Tablazos, Lake Maracaibo.....	10 53	71 35	+0 30	+0 11	*0.61	*0.31	2.1	2.3	1.5
3553	Punta de Palmas.....	10 48	71 37	+0 35	+0 16	*0.49	*0.31	1.6	1.8	1.2
				on AMUAY, p.156				Mean Diurnal		
3554	AMUAY.....	11 45	70 13	Daily predictions				- -	1.2	0.6
3555	La Guaira †.....	10 36	66 56	-2 29	-1 59	+0.8	+1.0	- -	1.0	1.5
3557	Carenero †.....	10 32	66 07	-1 51	-1 59	+0.8	+1.0	- -	1.0	1.5
3559	Cumana †.....	10 28	64 11	-2 37	-1 02	-0.1	0.0	- -	1.1	0.5
3561	Porlamar, Isla de Margarita †.....	10 57	63 51	-1 19	-0 59	+0.6	0.0	- -	1.8	0.9
3563	Carupano †.....	10 40	63 15	-1 17	-0 42	+0.2	0.0	- -	1.4	0.7
				on PUNTA GORDA, p.160				Mean Spring		
	Gulf of Paria									
3565	Macuro.....	10 39	61 56	-1 15	-2 05	*0.38	*0.38	2.2	2.7	1.4
3567	Puerto de Hierro.....	10 37	62 05	-0 46	-1 19	*0.59	*0.59	3.3	4.2	2.0
3569	Barra de Maturin, channel entrance..	10 18	62 31	-0 22	-0 45	-1.0	+0.2	4.6	5.7	2.8
3571	PUNTA GORDA, Rio San Juan.....	10 10	62 38	Daily predictions				5.8	7.1	3.2
3573	Boca Pedernales entrance.....	10 01	62 12	-0 03	-0 34	-1.3	+0.2	4.3	5.4	2.6
3575	Rio Orinoco ent., Isla Ramon Isidro.....	8 39	60 35	+0 07	-0 12	+0.2	+1.0	5.0	6.7	3.8
	TRINIDAD									
3577	Staubles Bay.....	10 41	61 39	-1 07	-2 02	(*0.33+1.7)		1.9	2.5	2.8
3579	Carenage Bay.....	10 41	61 36	-0 58	-1 40	(*0.34+1.6)		2.0	2.6	2.7
3581	Port of Spain.....	10 39	61 31	-0 44	-1 12	(*0.31+1.4)		1.8	2.3	2.4
3583	Bonasse pier.....	10 05	61 52	-0 43	-1 15	-1.0	+1.4	3.4	4.4	3.4
3585	Erin Bay.....	10 04	61 39	-0 50	-1 41	-0.3	+1.2	4.3	5.6	3.6
3587	Guayaguayare Bay.....	10 09	61 01	-1 32	-2 09	(*0.53+1.3)		3.1	3.8	3.0
3588	Nariva River.....	10 24	61 02	-1 06	-2 16	(*0.41+1.3)		2.4	3.1	2.5
	GUYANA Time meridian, 56°15'W			on SURINAME RIVIER, p.164						
3589	Parika, Essequibo River.....	6 52	58 25	+0 37	+1 01	+1.6	+1.0	6.6	8.3	5.6
3591	Georgetown.....	6 48	58 10	+0 17	+0 01	+0.9	+1.1	5.8	8.0	5.3
	SURINAM Time meridian, 52°30'W									
3593	Nickerie River.....	5 57	56 59	+0 09	+0 21	+1.1	0.0	7.1	9.2	4.9
3595	SURINAME RIVIER ENTRANCE.....	6 00	55 14	Daily predictions				6.0	7.6	4.3
3597	Paramaribo, Suriname Rivier.....	5 49	55 09	+1 09	+1 42	0.0	0.0	6.0	7.3	4.3
	FRENCH GUIANA Time meridian, 60°W									
3599	Rio Maroni entrance.....	5 45	53 58	+0 48	+0 54	+0.7	+1.2	5.5	7.2	5.2
3601	Iles du Salut.....	5 17	52 35	+0 23	+0 23	+1.7	+2.2	5.5	7.2	6.2
3603	Cayenne.....	4 56	52 20	+0 45	+0 45	+2.4	+1.8	6.6	7.8	6.4
	BRAZIL <16> Time meridian, 45°W.									
3605	Cape Cassipore.....	3 49	51 01	+1 54	+1 49	+1.5	+0.3	7.2	9.5	5.2
3607	Rio Cunani entrance.....	2 50	50 53	+2 40	+2 54	(*2.42-0.2)		14.5	19.0	10.1
3609	Ilha de Maraca anchorage.....	2 09	50 30	+2 10	+2 22	(*2.42-0.2)		14.5	19.0	10.1
3611	Ilha do Brigue, Amazon River.....	0 55	50 05	+7 39	+8 10	+8.3	+1.1	13.2	15.7	9.0
3613	Ponta Pedreira, Amazon River.....	0 11	50 43	+7 01	+7 13	*2.08	*2.23	12.3	16.2	9.0
3615	Macapa, Amazon River.....	0 03	51 11	+11 27	+12 43	+2.8	+0.4	8.4	9.5	5.9
		S	W							
3617	Canal de Braganca, Rio Para entrance....	0 23	47 55	+6 39	+6 39	+1.8	-0.1	7.9	10.4	5.1
3619	Salinopolis.....	0 39	47 23	+3 08	+3 22	*1.99	*1.54	12.5	15.9	8.3
3621	Belem (Para).....	1 27	48 30	+7 04	+8 07	+2.9	+0.7	8.2	10.1	6.1
3623	Ilhas de Sao Joao.....	1 17	44 55	+2 01	+2 01	*1.70	*1.31	10.7	14.1	7.0
3625	Sao Luiz.....	2 32	44 18	+2 58	+2 55	(*2.35-0.7)		14.1	17.1	9.3
3627	Santana, Recifes de.....	2 16	43 36	+1 16	+1 15	*1.58	*1.15	10.0	13.1	6.5
3629	Tutoia, Baia da.....	2 46	42 14	+0 41	+0 40	+2.4	+0.4	8.0	10.0	5.7
3631	Luis Correia.....	2 53	41 40	+0 31	+0 43	+1.8	+0.4	7.4	9.4	5.4
3633	Camocim.....	2 53	40 52	+1 37	+1 36	+2.0	+0.4	7.6	9.7	5.5
3635	Rio Ceara (bar).....	3 41	38 37	+0 17	+0 09	+0.2	-0.1	6.3	8.3	4.3
3637	Fortaleza.....	3 43	38 29	+0 22	+0 18	+0.2	-0.3	6.5	8.5	4.2
	Time meridian, 30°W			on RECIFE, p.168						
3639	Fernando de Noronha.....	3 50	32 25	+1 32	+1 33	-1.2	-0.5	4.5	6.0	2.9
3641	Rocas, Atol das.....	3 51	33 49	+1 43	+1 44	+2.3	0.0	7.5	10.0	4.9

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NO.	PLACE	POSITION Lat.	POSITION Long.	DIFFERENCES Time High Water	DIFFERENCES Time Low Water	DIFFERENCES Height High Water	DIFFERENCES Height Low Water	RANGES Mean	RANGES Spring	Mean Tide Level
		° ' S	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	BRAZIL <16> Time meridian, 45°W			on RECIFE, p.168						
3643	Macau, Rio Acu	5 06	36 41	+1 29	+1 58	+0.6	-0.1	5.9	7.6	4.1
3645	Natal	5 47	35 12	+0 28	+0 30	+0.1	-0.2	5.5	7.3	3.7
3647	Cabedelo	6 58	34 50	+0 36	+0 37	+0.1	-0.2	5.5	7.2	3.7
3649	Tambau	7 06	34 50	-0 04	-0 03	+0.7	-0.1	6.0	7.6	4.1
3651	RECIFE	8 03	34 52	Daily predictions				5.3	7.1	3.8
3653	Maceio	9 40	35 43	+0 10	+0 14	-0.3	-0.2	5.1	6.8	3.6
3655	Rio Sao Francisco (bar)	10 31	36 24	+0 06	+0 14	-0.7	0.0	4.5	6.0	3.5
3657	Aracaju	10 56	37 03	+0 33	+0 48	-0.8	-0.3	4.7	6.1	3.3
3659	Salvador	12 58	38 31	-0 02	-0 08	+0.6	+0.4	5.5	7.4	4.3
3661	Ponta da Areia	12 47	38 30	+0 10	+0 06	+0.6	-0.1	5.9	7.6	4.0
3663	Morro de Sao Paulo	13 21	38 54	-0 11	-0 13	-0.6	0.0	4.6	6.0	3.5
3665	Camamu	13 54	38 58	-0 08	-0 04	-0.2	+0.1	4.9	6.5	3.8
3667	Ilheus	14 48	39 02	-0 33	-0 32	-0.9	-0.3	4.6	5.8	3.2
3669	Canavieiras	15 40	38 56	+0 16	+0 22	-1.0	-0.2	4.5	5.8	3.1
3671	Santa Cruz Cabralia	16 17	39 02	-0 35	-0 35	-1.2	-0.5	4.5	6.0	2.9
3673	Cumuruxatiba	17 06	39 11	-0 23	-0 09	+0.4	+0.3	5.3	7.2	4.2
3675	Caravelas	17 43	39 09	-0 50	-0 49	-0.8	-0.5	4.9	6.4	3.1
3677	Abrolhos Anchorage	17 58	38 42	-0 01	+0 04	+0.6	+0.1	5.7	7.6	4.2
3679	Vitoria	20 19	40 19	-0 34	-0 35	*0.66	*0.75	3.3	4.6	2.6
3681	Guarapari	20 40	40 30	+0 12	+0 17	*0.62	*0.75	3.1	4.2	2.5
				on RIO DE JANEIRO, p.172						
3683	Sao Joao da Barra	21 38	41 03	+0 34	-0 42	-0.1	-0.2	2.6	3.6	2.1
3685	Macae (Imbitiba Bay)	22 23	41 46	-0 23	-1 08	0.0	-0.2	2.7	3.6	2.1
3687	Armacao dos Buzios	22 45	41 53	-0 01	-0 55	-0.1	-0.1	2.5	3.4	2.1
3689	Cabo Frio	23 00	42 03	-0 03	-0 05	*0.91	*0.90	2.3	3.2	2.0
3691	RIO DE JANEIRO	22 54	43 10	Daily predictions				2.5	3.5	2.2
3693	Itacurussa	22 56	43 55	+0 50	-0 26	0.0	-0.1	2.6	3.3	2.2
3695	Angra dos Reis	23 01	44 19	-0 35	-0 40	*0.86	*0.86	2.1	3.0	1.9
3697	Parati	23 14	44 43	-0 09	-1 25	-0.1	0.0	2.4	3.4	2.2
3699	Sao Sebastiao	23 49	45 24	-0 28	-1 24	*0.94	*1.00	2.3	3.3	2.2
3701	SANTOS	23 56	46 19	Daily predictions				2.6	3.8	2.4
3703	Cananeia	25 01	47 56	+1 09	-1 09	+0.4	+0.2	2.7	4.1	2.6
3705	Paranagua	25 31	48 27	+1 51	-1 32	+1.8	+0.2	4.1	6.0	3.2
3707	Sao Francisco do Sul	26 15	48 38	+0 38	- - -	+0.8	-0.1	3.4	4.8	2.6
3709	Itajai	26 54	48 39	-0 08	-0 16	(*0.76+0.4)		1.9	2.8	2.1
3711	Porto Beio	27 09	48 33	-0 38	-0 28	*0.74	*0.74	1.8	2.5	1.7
3713	Florianopolis	27 36	48 34	-0 14	+0 15	*0.69	*0.70	1.7	2.4	1.6
3715	Imbituba	28 14	48 39	-0 17	-1 10	*0.54	*0.50	1.4	2.0	1.2
3717	Laguna	28 30	48 47	+1 10	-1 31	(*0.32+0.4)		0.8	1.2	1.1
3719	Barra do Rio Grande <18> †	32 10	52 05	- - -	- - -	- -	- -	- -	0.8	0.3
	URUGUAY			on BUENOS AIRES, p.180						
3721	Montevideo	34 55	56 13	-5 10	-7 11	(*0.52+1.6)		1.1	1.4	3.0
3723	Colonia, Rio de la Plata	34 28	57 51	+0 17	-0 33	(*0.52+1.2)		1.1	1.3	2.6
	ARGENTINA									
	Rio de la Plata									
3725	BUENOS AIRES	34 36	58 22	Daily predictions				2.1	2.5	2.6
3727	La Plata	34 50	57 53	-1 50	-2 04	+0.2	+0.6	1.7	2.0	3.0
3729	Banco Chico	34 50	57 30	-3 00	-3 24	+0.8	+0.8	2.1	2.5	3.4
3731	Banco Cuirassier	35 06	57 08	-5 25	-5 39	+0.8	+0.8	2.1	2.5	3.4
3733	Punta Piedras	35 26	57 07	-7 10	-7 23	+2.2	+1.1	3.2	3.8	4.2
3735	Punta Norte del Cabo San Antonio <17>	36 18	56 47	-8 50	-9 26	+1.2	+0.3	3.0	3.7	3.3
3737	Mar del Plata <17>	38 03	57 33	-0 02	+0 14	+0.7	+0.2	2.6	3.0	3.0
3739	Quequen <17>	38 35	58 42	-0 18	-0 22	+1.5	-0.3	3.9	4.2	3.2
				on PUERTO BELGRANO, p.184						
3741	Faro Recalada	39 00	61 16	-0 20	-0 15	-4.1	-0.7	6.5	7.1	5.6
3743	Monte Hermoso	38 59	61 41	-0 18	-0 27	-2.8	-0.8	7.9	9.1	6.2
	Bahia Blanca									
3745	Punta Ancla	38 57	62 00	-0 15	+0 06	-1.1	-0.3	9.1	9.9	7.2
3747	Puerto Rosales	38 55	62 04	0 00	+0 07	+0.1	-0.1	10.1	11.0	8.0
3749	PUERTO BELGRANO	38 53	62 06	Daily predictions				9.9	10.8	8.0
3751	Ingeniero White	38 47	62 16	+0 33	+0 18	+0.6	+0.4	10.1	11.0	8.5
3753	General Daniel Cerri	38 45	62 23	+0 47	+0 36	*1.19	*1.20	11.8	12.9	9.5
3755	Canal del Sur, Isla Bermejo	39 01	61 58	-0 28	-0 12	-1.3	-0.2	8.8	9.6	7.2
3757	Canal Bermejo, Isla Trinidad	39 05	61 58	-0 30	-0 14	-1.9	-0.4	8.4	9.2	6.8
3759	Punta Lobos, Isla Trinidad	39 14	61 53	-0 48	-0 46	-2.5	-0.6	8.0	8.8	6.4
3761	Punta Laberinto	39 26	62 03	-0 49	-0 58	-2.1	-0.9	8.7	9.6	6.5
3763	Bahia Anegada, Islote NW	40 01	62 10	-1 39	-1 47	(*0.66-0.5)		6.5	7.2	4.8
3765	Bahia San Blas	40 33	62 14	-3 19	-3 28	*0.53	*0.40	5.6	6.0	4.0
3767	Segunda Barranca	40 47	62 17	-4 49	-4 57	(*0.55-0.4)		5.4	5.9	4.0
3769	Punta Redonda, Rio Negro entrance	41 02	62 46	-5 48	-5 57	-1.0	-1.0	9.9	11.2	7.0

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		° ′ S	° ′ W	h. m.	h. m.	ft	ft	ft	ft	ft
	ARGENTINA Time meridian, 45°W			on COMODORO RIVADAVIA, p.188						
	Golfo San Matias									
3771	Caleta de los Loros.....	41 02	64 06	+7 14	+7 08	*1.45	*1.39	20.3	24.0	14.8
3773	Puerto San Antonio.....	40 48	64 52	+7 30	+7 23	(*1.57-1.6)		21.9	25.6	14.6
	Golfo San Jose									
3775	San Roman.....	42 15	64 14	+7 15	+7 18	(*1.42-1.1)		19.8	23.4	13.5
3777	Pueyrredon (Fondeadero).....	42 24	64 09	+7 46	+7 40	(*1.52-2.2)		21.2	24.6	13.5
3779	La Argentina (Fondeadero).....	42 23	64 34	+7 04	+6 58	*1.31	*1.36	18.0	23.3	13.5
3781	Punta Norte.....	42 05	63 46	+6 50	+6 44	-0.8	-1.4	14.5	17.0	9.5
3783	Caleta Valdes.....	42 31	63 36	+5 04	+4 58	-5.2	-1.9	10.6	12.4	6.7
3785	Punta Delgada.....	42 46	63 38	+4 08	+4 02	-5.8	-2.0	10.1	11.7	6.4
	Golfo Nuevo									
3787	Punta Ninfas (Fondeadero).....	42 57	64 25	+2 48	+3 31	-2.3	-1.0	12.6	15.4	8.6
3789	Puerto Piramides.....	42 35	64 17	+2 56	+3 33	-2.7	-1.3	12.5	15.0	8.3
3791	Puerto Madryn.....	42 46	65 02	+3 08	+3 42	-0.8	-0.1	13.2	16.0	9.8
3793	Bahia Engano.....	43 20	65 04	+2 06	+2 00	-2.7	-1.3	12.5	15.2	8.2
3795	Isla Escondida.....	43 43	65 17	+2 10	+2 05	-3.3	-0.3	10.9	13.1	8.5
3797	Bahia Janssen.....	44 02	65 14	+1 48	+2 03	-4.1	-1.9	11.7	13.9	7.3
3799	Cabo Raso.....	44 20	65 14	+1 41	+1 26	-4.8	-1.6	10.7	12.4	7.0
3801	Bahia Cruz.....	44 27	65 19	+2 13	+2 07	-6.1	-2.1	9.9	11.5	6.2
3803	Santa Elena, Puerto.....	44 31	65 22	+1 45	+1 40	-3.1	-0.4	11.2	13.6	8.5
3805	Bahia Camarones.....	44 54	65 36	+1 10	+1 14	-2.3	+0.1	11.5	13.7	9.2
	Golfo San Jorge									
3807	Caleta Leones.....	45 03	65 37	+1 11	+1 05	-0.7	-0.2	13.4	14.7	9.8
3809	Bahia Gil (Caleta Horno).....	45 02	65 41	+0 42	+0 36	-1.7	+0.3	11.9	14.1	9.6
3811	Puerto Melo.....	45 01	65 50	+0 27	+0 24	-1.5	+0.1	12.3	14.6	9.6
3813	Isla Tova.....	45 06	65 59	+0 27	+0 24	-1.5	+0.1	12.3	14.6	9.6
3815	Bahia Bustamante.....	45 07	66 32	+0 28	+0 23	-0.8	+0.7	12.4	14.7	10.2
3817	COMODORO RIVADAVIA.....	45 52	67 29	Daily predictions				14.0	16.3	10.3
3819	Cabo Blanco.....	47 12	65 45	-1 15	-1 20	-2.3	-0.3	11.9	13.2	9.0
3821	Puerto Deseado.....	47 45	65 55	-2 52	-2 44	-0.6	+1.0	12.4	14.5	10.5
3823	Bahia Oso Marino.....	47 56	65 48	-3 35	-3 40	-1.2	+1.2	11.5	14.1	10.3
3825	Bahia de los Nodales.....	48 01	65 57	-3 01	-3 06	-1.2	+0.1	12.6	15.3	9.7
3827	Bahia Laura.....	48 23	66 29	-5 28	-5 28	+6.7	-1.9	22.5	25.4	12.7
3829	Bahia San Julian (Punta Pena).....	49 15	67 40	-4 58	-5 04	(*1.40-1.4)		19.5	23.6	13.0
				on PUNTA LOYOLA, p.192						
3831	Santa Cruz (Punta Quilla).....	50 07	68 25	+0 43	+0 44	+0.2	+0.1	26.0	32.4	20.4
3833	Ria Coig.....	50 57	69 10	-0 05	-0 04	0.0	-0.7	26.6	32.2	19.9
3835	PUNTA LOYOLA.....	51 36	69 01	Daily predictions				25.9	32.4	20.3
3837	Rio Gallegos (Reduccion Beacon).....	51 37	69 13	+0 21	+0 30	+4.2	+1.1	29.0	36.2	22.9
3839	Cabo Virgenes.....	52 21	68 22	-0 36	-0 55	-2.1	0.0	23.8	29.8	19.2
	Tierra del Fuego <19>			on COMODORO RIVADAVIA, p.188						
3841	Bahia San Sebastian.....	53 10	68 30	-7 50	-7 55	*1.69	*1.91	22.8	28.6	17.7
3843	Rio Grande (Muelle).....	53 48	67 41	-7 50	-7 55	*1.15	*1.18	15.8	19.2	11.8
3845	Cabo San Pablo.....	54 17	66 42	-8 48	-8 53	*1.17	*1.27	16.0	19.3	12.2
				on PUERTO BELGRANO, p.184						
3847	Bahia Thetis.....	54 38	65 15	+1 28	+1 20	-1.4	-0.2	8.7	10.6	7.2
	SOUTH ATLANTIC OCEAN ISLANDS Time meridian, 60°W			on PICTOU, p.8						
	Falkland Islands									
3849	Port Louis (Berkeley Sound).....	51 33	58 09	+7 50	+7 47	-0.9	-1.0	3.3	4.2	3.0
3851	Stanley Harbor.....	51 42	57 51	+7 51	+7 48	-1.0	-1.0	3.2	4.2	2.9
	Time meridian, 31°45'W									
	South Georgia									
3853	Royal Bay (Moltke Harbor).....	54 31	36 01	+9 58	+10 19	*0.36	*0.13	1.7	2.3	1.2
3855	Leith Harbor.....	54 08	36 41	+9 15	+9 35	*0.64	*0.65	2.0	2.7	2.5
	Time meridian, local									
	South Orkneys									
3857	Scotia Bay, Laurie Island.....	60 44	44 39	+8 21	+8 32	-0.3	-0.6	3.5	5.0	3.5
	South Shetlands									
3859	Port Foster, Deception Island.....	62 58	60 34	+8 26	+8 38	0.0	-0.1	3.3	4.3	3.9
	Time meridian, 45°W									
3860	Admiralty Bay.....	62 03	58 24	+9 49	+10 05	-0.5	-0.4	3.1	4.4	3.5

Endnotes can be found at the end of table 2.

* RATIO. If the ratio is accompanied by a correction factor multiply the heights of the high and low waters at the reference station by the ratio and then apply the correction factor. See note and example on pages 197 and 198.

† The tide at this location is chiefly diurnal. SEE CAUTION NOTE ON PAGE 197.

< 1> Neap low water falls lower than spring low water.

< 2> Wharves are dry at low water.

< 3> There is a bore in the Petitcodiac River. It arrives at Moncton about 2h 30m before high water at St. John; its height is about 3 to 3 1/2 feet on average spring tides, but it sometimes exceeds 5 feet on highest tides. On small tides it is not much more than a large ripple.

< 4> The Reversing Falls at St. John. -- The most turbulence in the gorge occurs on days when the tides are largest. On largest tides the outward fall is between 15 and 16 1/2 feet and is accompanied by a greater turbulence than the inward fall which is between 11 and 12 1/2 feet. The outward fall is at its greatest between 2 hours before and 1 hour after low water at St John: the inward fall is greater just before the time of high water.

< 5> For Eastern Standard time subtract one hour from the predictions obtained using these differences.

< 6> Low water time difference is +2h 47m. SEE CAUTION NOTE ON PAGE 210.

< 7> Tidal information applies only during low river stages.

< 8> Values for the Hudson River above the George Washington Bridge are based upon averages for the six months May to October, when the freshwater discharge is at a minimum.

< 9> In Albermarle and Pamlico Sounds, except near the inlets, the periodic tide has a mean range of less than 0.5 foot.

<10> In the eastern part of Florida Bay the periodic tide has a mean range of less than 0.5 foot.

<11> In Choctawhatchee and Perdido Bays the periodic tide has a mean range of less than 0.5 foot.

<12> At New Orleans the diurnal range of the tide during low river stages averages 0.8 foot. There is no periodic tide at high river stages.

<13> For places on the Pacific coast, see "Tide Tables, West Coast of North and South America."

<14> Inside, in the various bays, except near the inlets, the periodic tide has a mean range of less than 0.5 foot.

<15> Spring range is given instead of diurnal range.

<16> A "Pororoca", a bore, reported to vary from 5 to 15 feet at spring tides, occurs in the Araguary, Guama and Guajara Rivers.

<17> Predictions will be approximate.

<18> Diurnal range is given instead of spring range.

<19> For places in Magellan Strait, on the south coast of Tierra del Fuego and on the Pacific coast, see "Tide Tables, West Coast of North and South America."

<20> The time differences should be applied only to the higher high and the lower low water times of the reference station.

<21> From Oak Hill southward in Mosquito Lagoon the periodic tide is negligible.

<22> In Indian River north of Melbourne, in Banana River and in Banana Creek, the periodic tides are negligible.

<23> Nearby tidal surveys suggest that the tides may actually occur 1/2 to 3/4 of an hour later than these time differences indicate.

TABLE 3.—HEIGHT OF TIDE AT ANY TIME

EXPLANATION OF TABLE

Although the footnote of table 3 may be sufficient explanation, two examples are given here to illustrate its use.

Example 1.—Find the height of the tide at 0755 at New York (The Battery), N.Y., on a day when the predicted tides from table 1 are given as:

Low Water		High Water	
Time	Height	Time	Height
h.m.	ft	h.m.	ft
0522	0.1	1114	4.2
1741	0.6	2310	4.1

An inspection of the above example shows that the desired time falls between the two morning tides.

The duration of rise is $11^h\ 14^m - 5^h\ 22^m = 5^h\ 52^m$.
The time after low water for which the height is required is $7^h\ 55^m - 5^h\ 22^m = 2^h\ 33^m$.
The range of tide is 4.2 −0.1=4.1 feet.

The duration of rise or fall in table 3 is given in heavy-faced type for each 20 minutes from $4^h\ 00^m$ to $10^h\ 40^m$. The nearest tabular value to $5^h\ 52^m$, the above duration of rise, is $6^h\ 00^m$; and on the horizontal line of $6^h\ 00^m$ the nearest tabular time to $2^h\ 33^m$ after low water for which the height is required is $2^h\ 36^m$. Following down the column in which this $2^h\ 36^m$ is found to its intersection with the line of the range 4.0 feet (which is the nearest tabular value to the above range of 4.1 feet) the correction is found to be 1.6 feet, which being reckoned from low water must be added, making 0.1+1.6=1.7 feet, or 0.5 meter which is the required height above mean low water, the datum for New York.

Example 2.—Find the height of the tide at 0300 at Portland, Maine, on a day when the predicted tides from table 1 are given as:

High Water		Low Water	
Time	Height	Time	Height
h.m.	ft	h.m.	ft
0012	11.3	0638	−2.0
1251	10.0	1853	−0.8

The duration of fall is $6^h\ 38^m - 00^h\ 12^m = 6^h\ 26^m$.
The time after high water for which the height is required is $3^h\ 00^m - 00^h\ 12^m = 2^h\ 48^m$.
The range of tide is 11.3 −(−2.0)=13.3 feet.

Entering table 3 at the duration of fall of $6^h\ 20^m$, which is the nearest value to $6^h\ 26^m$, the nearest value on the horizontal line to $2^h\ 48^m$ is $2^h\ 45^m$ after high water. Following down this column to its intersection with a range of 13.5 feet which is the nearest tabular value to 13.3 feet, one obtains 5.3 which, being calculated from high water, must be subtracted from it. The approximate height at $03^h\ 00^m$ is, therefore, 11.3 −5.3=6.0 feet or 1.8 meters.

When the duration of rise or fall is greater than $10^h\ 40^m$, enter the table with one-half the given duration and with one-half the time from the nearest high or low water; but if the duration of rise or fall is less than 4 hours, enter the table with double the given duration and with double the time from the nearest high or low water.

Similarly, when the range of tide is greater than 20 feet, enter the table with one-half the given range. The tabular correction should then be doubled before applying it to the given high or low water height. If the range of tide is greater than 40 feet, take one-third of the range and multiply the tabular correction by 3.

If the height at any time is desired for a place listed in table 2, predictions of the high and low waters for the day in question should be obtained by the use of the differences given for the place in that table. Having obtained these predictions, the height for any intermediate time is obtained in the same manner as illustrated in the foregoing examples.

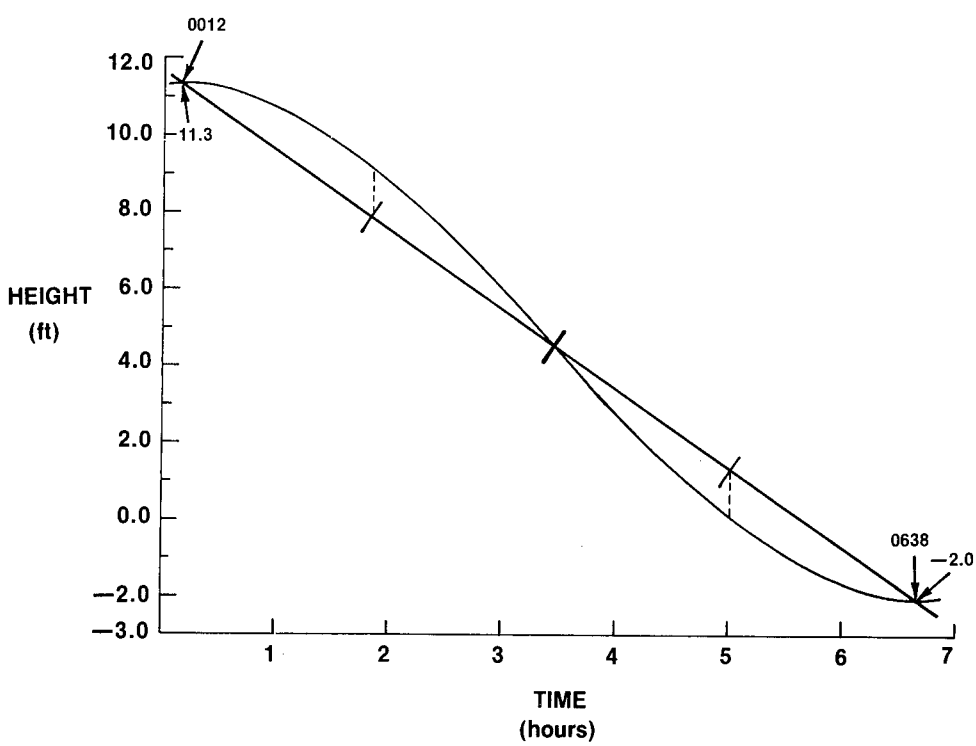
Graphical Method

If the height of the tide is required for a number of times on a certain day the full tide curve for the day may be obtained by the *one-quarter, one-tenth rule.* The procedure is as follows:

1. On cross-section paper plot the high and low water points in the order of their occurrence for the day, measuring time horizontally and height vertically. These are the basic points for the curve.
2. Draw light straight lines connecting the points representing successive high and low waters.
3. Divide each of these straight lines into four equal parts. The halfway point of each line gives another point for the curve.
4. At the quarter point adjacent to high water draw a vertical line above the point and at the quarter point adjacent to low water draw a vertical line below the point, making the length of these lines equal to one-tenth of the range between the high and low waters used. The points marking the ends of these vertical lines give two additional intermediate points for the curve.
5. Draw a smooth curve through the points of high and low waters and the intermediate points, making the curve well rounded near high and low waters. This curve will approximate the actual tide curve and heights for any time of the day may be readily scaled from it.

Caution.—Both methods presented are based on the assumption that the rise and fall conform to simple cosine curves. Therefore the heights obtained will be approximate. The roughness of approximation will vary as the tide curve differs from a cosine curve.

An example of the use of the graphical method is illustrated below. Using the same predicted tides as in example 2, the approximate height at $03^h\ 00^m$ could be determined as shown below.



Duration of rise or fall, see footnote	Time from the nearest high water or low water															
h. m.	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*
4 00	0 08	0 16	0 24	0 32	0 40	0 48	0 56	1 04	1 12	1 20	1 28	1 36	1 44	1 52	2 00
4 20	0 09	0 17	0 26	0 35	0 43	0 52	1 01	1 09	1 18	1 27	1 35	1 44	1 53	2 01	2 10
4 40	0 09	0 19	0 28	0 37	0 47	0 56	1 05	1 15	1 24	1 33	1 43	1 52	2 01	2 11	2 20
5 00	0 10	0 20	0 30	0 40	0 50	1 00	1 10	1 20	1 30	1 40	1 50	2 00	2 10	2 20	2 30
5 20	0 11	0 21	0 32	0 43	0 53	1 04	1 15	1 25	1 36	1 47	1 57	2 08	2 19	2 29	2 40
5 40	0 11	0 23	0 34	0 45	0 57	1 08	1 19	1 31	1 42	1 53	2 05	2 16	2 27	2 39	2 50
6 00	0 12	0 24	0 36	0 48	1 00	1 12	1 24	1 36	1 48	2 00	2 12	2 24	2 36	2 48	3 00
6 20	0 13	0 25	0 38	0 51	1 03	1 16	1 29	1 41	1 54	2 07	2 19	2 32	2 45	2 57	3 10
6 40	0 13	0 27	0 40	0 53	1 07	1 20	1 33	1 47	2 00	2 13	2 27	2 40	2 53	3 07	3 20
7 00	0 14	0 28	0 42	0 56	1 10	1 24	1 38	1 52	2 06	2 20	2 34	2 48	3 02	3 16	3 30
7 20	0 15	0 29	0 44	0 59	1 13	1 28	1 43	1 57	2 12	2 27	2 41	2 56	3 11	3 25	3 40
7 40	0 15	0 31	0 46	1 01	1 17	1 32	1 47	2 03	2 18	2 33	2 49	3 04	3 19	3 35	3 50
8 00	0 16	0 32	0 48	1 04	1 20	1 36	1 52	2 08	2 24	2 40	2 56	3 12	3 28	3 44	4 00
8 20	0 17	0 33	0 50	1 07	1 23	1 40	1 57	2 13	2 30	2 47	3 03	3 20	3 37	3 53	4 10
8 40	0 17	0 35	0 52	1 09	1 27	1 44	2 01	2 19	2 36	2 53	3 11	3 28	3 45	4 03	4 20
9 00	0 18	0 36	0 54	1 12	1 30	1 48	2 06	2 24	2 42	3 00	3 18	3 36	3 54	4 12	4 30
9 20	0 19	0 37	0 56	1 15	1 33	1 52	2 11	2 29	2 48	3 07	3 25	3 44	4 03	4 21	4 40
9 40	0 19	0 39	0 58	1 17	1 37	1 56	2 15	2 35	2 54	3 13	3 33	3 52	4 11	4 31	4 50
10 00	0 20	0 40	1 00	1 20	1 40	2 00	2 20	2 40	3 00	3 20	3 40	4 00	4 20	4 40	5 00
10 20	0 21	0 41	1 02	1 23	1 43	2 04	2 25	2 45	3 06	3 27	3 47	4 08	4 29	4 49	5 10
10 40	0 21	0 43	1 04	1 25	1 47	2 08	2 29	2 51	3 12	3 33	3 55	4 16	4 37	4 59	5 20

Range of tide, see footnote	Correction to height														
Ft.	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*	*Ft.*
0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
1.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5
1.5	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8
2.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
2.5	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
3.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3	1.5
3.5	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.6	1.8
4.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8	2.0
4.5	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
5.0	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.2	2.5
5.5	0.0	0.1	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.4	1.6	1.9	2.2	2.5	2.8
6.0	0.0	0.1	0.1	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.0
6.5	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.1	1.3	1.6	1.9	2.2	2.6	2.9	3.2
7.0	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.2	1.4	1.8	2.1	2.4	2.8	3.1	3.5
7.5	0.0	0.1	0.2	0.3	0.5	0.7	1.0	1.2	1.5	1.9	2.2	2.6	3.0	3.4	3.8
8.0	0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.3	1.6	2.0	2.4	2.8	3.2	3.6	4.0
8.5	0.0	0.1	0.2	0.4	0.6	0.8	1.1	1.4	1.8	2.1	2.5	2.9	3.4	3.8	4.2
9.0	0.0	0.1	0.2	0.4	0.6	0.9	1.2	1.5	1.9	2.2	2.7	3.1	3.6	4.0	4.5
9.5	0.0	0.1	0.2	0.4	0.6	0.9	1.2	1.6	2.0	2.4	2.8	3.3	3.8	4.3	4.8
10.0	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.7	2.1	2.5	3.0	3.5	4.0	4.5	5.0
10.5	0.0	0.1	0.3	0.5	0.7	1.0	1.3	1.7	2.2	2.6	3.1	3.6	4.2	4.7	5.2
11.0	0.0	0.1	0.3	0.5	0.7	1.1	1.4	1.8	2.3	2.8	3.3	3.8	4.4	4.9	5.5
11.5	0.0	0.1	0.3	0.5	0.8	1.1	1.5	1.9	2.4	2.9	3.4	4.0	4.6	5.1	5.8
12.0	0.0	0.1	0.3	0.5	0.8	1.1	1.5	2.0	2.5	3.0	3.6	4.1	4.8	5.4	6.0
12.5	0.0	0.1	0.3	0.5	0.8	1.2	1.6	2.1	2.6	3.1	3.7	4.3	5.0	5.6	6.2
13.0	0.0	0.1	0.3	0.6	0.9	1.2	1.7	2.2	2.7	3.2	3.9	4.5	5.1	5.8	6.5
13.5	0.0	0.1	0.3	0.6	0.9	1.3	1.7	2.2	2.8	3.4	4.0	4.7	5.3	6.0	6.8
14.0	0.0	0.2	0.3	0.6	0.9	1.3	1.8	2.3	2.9	3.5	4.2	4.8	5.5	6.3	7.0
14.5	0.0	0.2	0.4	0.6	1.0	1.4	1.9	2.4	3.0	3.6	4.3	5.0	5.7	6.5	7.2
15.0	0.0	0.2	0.4	0.6	1.0	1.4	1.9	2.5	3.1	3.8	4.4	5.2	5.9	6.7	7.5
15.5	0.0	0.2	0.4	0.7	1.0	1.5	2.0	2.6	3.2	3.9	4.6	5.4	6.1	6.9	7.8
16.0	0.0	0.2	0.4	0.7	1.1	1.5	2.1	2.6	3.3	4.0	4.7	5.5	6.3	7.2	8.0
16.5	0.0	0.2	0.4	0.7	1.1	1.6	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.4	8.2
17.0	0.0	0.2	0.4	0.7	1.1	1.6	2.2	2.8	3.5	4.2	5.0	5.9	6.7	7.6	8.5
17.5	0.0	0.2	0.4	0.8	1.2	1.7	2.2	2.9	3.6	4.4	5.2	6.0	6.9	7.8	8.8
18.0	0.0	0.2	0.4	0.8	1.2	1.7	2.3	3.0	3.7	4.5	5.3	6.2	7.1	8.1	9.0
18.5	0.1	0.2	0.5	0.8	1.2	1.8	2.4	3.1	3.8	4.6	5.5	6.4	7.3	8.3	9.2
19.0	0.1	0.2	0.5	0.8	1.3	1.8	2.4	3.1	3.9	4.8	5.6	6.6	7.5	8.5	9.5
19.5	0.1	0.2	0.5	0.8	1.3	1.9	2.5	3.2	4.0	4.9	5.8	6.7	7.7	8.7	9.8
20.0	0.1	0.2	0.5	0.9	1.3	1.9	2.6	3.3	4.1	5.0	5.9	6.9	7.9	9.0	10.0

Obtain from the predictions the high water and low water, one of which is before and the other after the time for which the height is required. The difference between the times of occurrence of these tides is the duration of rise or fall, and the difference between their heights is the range of tide for the above table. Find the difference between the nearest high or low water and the time for which the height is required.

Enter the table with the duration of rise or fall, printed in heavy-faced type, which most nearly agrees with the actual value, and on that horizontal line find the time from the nearest high or low water which agrees most nearly with the corresponding actual difference. The correction sought is in the column directly below, on the line with the range of tide.

When the nearest tide is high water, subtract the correction.

When the nearest tide is low water, add the correction.

TABLE 4.—LOCAL MEAN TIME OF SUNRISE AND SUNSET

EXPLANATION OF TABLE

This table gives the local mean time of the rising and setting of the Sun's upper limb for every fifth day of the year. The times were computed for the instant when the true zenith distance of the Sun's center is 90°50′, 34′ having been allowed for horizontal refraction and 16′ for semidiameter. No allowance has been made for elevation of the observer.

Because of the sensible variations which may be made in the time of rising or setting of the Sun by a difference in elevation of the observer, and by changes in the refraction, any great refinement in the interpolation of intermediate dates or latitudes in this table is unnecessary.

The values obtained from table 4 may be converted to standard time by means of table 5, which follows it.

Date		0°		5° N		10° N		15° N		20° N		25° N	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	06 00	18 07	06 08	17 59	06 17	17 50	06 26	17 41	06 35	17 32	06 45	17 22
	6	06 02	18 09	06 11	18 01	06 19	17 53	06 28	17 44	06 36	17 35	06 46	17 26
	11	06 04	18 12	06 12	18 04	06 20	17 55	06 29	17 47	06 38	17 38	06 47	17 29
	16	06 06	18 13	06 14	18 06	06 21	17 58	06 30	17 50	06 38	17 42	06 47	17 33
	21	06 08	18 15	06 15	18 08	06 22	18 00	06 30	17 53	06 38	17 45	06 46	17 37
	26	06 09	18 16	06 16	18 10	06 23	18 02	06 30	17 56	06 37	17 48	06 45	17 41
	31	06 10	18 17	06 16	18 11	06 23	18 04	06 29	17 58	06 36	17 51	06 43	17 44
Feb.	5	06 11	18 18	06 16	18 12	06 22	18 06	06 28	18 00	06 34	17 54	06 41	17 48
	10	06 11	18 18	06 16	18 13	06 21	18 07	06 27	18 02	06 32	17 57	06 38	17 51
	15	06 11	18 18	06 15	18 13	06 20	18 09	06 25	18 04	06 30	17 59	06 35	17 54
	20	06 10	18 17	06 14	18 13	06 18	18 10	06 22	18 06	06 27	18 01	06 31	17 57
	25	06 10	18 17	06 13	18 13	06 16	18 10	06 20	18 07	06 23	18 03	06 27	18 00
Mar.	2	06 09	18 16	06 12	18 13	06 14	18 11	06 17	18 08	06 20	18 05	06 22	18 03
	7	06 08	18 15	06 10	18 13	06 12	18 11	06 14	18 09	06 16	18 07	06 18	18 05
	12	06 07	18 13	06 08	18 12	06 09	18 11	06 10	18 10	06 12	18 09	06 13	18 08
	17	06 05	18 12	06 06	18 11	06 06	18 11	06 07	18 11	06 07	18 10	06 08	18 10
	22	06 04	18 10	06 04	18 11	06 04	18 11	06 03	18 11	06 03	18 11	06 02	18 12
	27	06 02	18 09	06 01	18 10	06 01	18 11	05 59	18 12	05 59	18 13	05 57	18 14
Apr.	1	06 01	18 07	05 59	18 09	05 58	18 11	05 56	18 12	05 54	18 14	05 52	18 16
	6	05 59	18 06	05 57	18 08	05 55	18 11	05 52	18 13	05 50	18 16	05 47	18 18
	11	05 58	18 05	05 55	18 07	05 52	18 10	05 49	18 14	05 46	18 17	05 42	18 21
	16	05 57	18 03	05 53	18 07	05 50	18 11	05 46	18 14	05 42	18 18	05 37	18 23
	21	05 56	18 02	05 51	18 06	05 47	18 11	05 42	18 15	05 38	18 20	05 33	18 25
	26	05 55	18 01	05 50	18 06	05 45	18 11	05 40	18 16	05 34	18 21	05 28	18 28
May	1	05 54	18 01	05 48	18 06	05 43	18 12	05 37	18 17	05 31	18 23	05 25	18 30
	6	05 53	18 00	05 47	18 06	05 41	18 12	05 35	18 19	05 28	18 25	05 21	18 33
	11	05 53	18 00	05 46	18 06	05 40	18 13	05 33	18 20	05 26	18 27	05 18	18 35
	16	05 53	18 00	05 46	18 07	05 39	18 14	05 31	18 21	05 24	18 29	05 15	18 38
	21	05 53	18 00	05 46	18 08	05 38	18 15	05 30	18 23	05 22	18 31	05 13	18 40
	26	05 53	18 00	05 46	18 08	05 38	18 16	05 29	18 25	05 21	18 33	05 11	18 43
	31	05 54	18 01	05 46	18 09	05 38	18 18	05 29	18 26	05 20	18 35	05 10	18 45
June	5	05 55	18 02	05 46	18 10	05 38	18 19	05 29	18 28	05 20	18 37	05 10	18 47
	10	05 56	18 03	05 47	18 12	05 38	18 20	05 29	18 29	05 20	18 39	05 10	18 49
	15	05 57	18 04	05 48	18 13	05 39	18 21	05 30	18 31	05 20	18 40	05 10	18 51
	20	05 58	18 05	05 49	18 14	05 40	18 23	05 31	18 32	05 21	18 42	05 11	18 52
	25	05 59	18 06	05 50	18 15	05 41	18 24	05 32	18 33	05 22	18 43	05 12	18 53
	30	06 00	18 07	05 51	18 16	05 42	18 25	05 33	18 34	05 24	18 43	05 13	18 54
July	5	06 01	18 08	05 52	18 17	05 44	18 25	05 35	18 34	05 25	18 44	05 15	18 54
	10	06 02	18 09	05 53	18 17	05 45	18 25	05 36	18 34	05 27	18 43	05 17	18 53
	15	06 02	18 09	05 54	18 17	05 46	18 26	05 38	18 34	05 29	18 43	05 19	18 52
	20	06 03	18 10	05 55	18 17	05 47	18 25	05 39	18 33	05 31	18 42	05 22	18 51
	25	06 03	18 10	05 56	18 17	05 48	18 25	05 41	18 32	05 32	18 40	05 24	18 49
	30	06 03	18 10	05 56	18 17	05 49	18 24	05 42	18 31	05 34	18 38	05 26	18 46
Aug.	4	06 03	18 10	05 56	18 16	05 50	18 22	05 43	18 29	05 36	18 36	05 29	18 43
	9	06 02	18 09	05 56	18 15	05 50	18 21	05 44	18 26	05 38	18 33	05 31	18 40
	14	06 01	18 08	05 56	18 13	05 51	18 19	05 45	18 24	05 39	18 30	05 33	18 36
	19	06 00	18 07	05 56	18 11	05 51	18 16	05 46	18 21	05 41	18 26	05 35	18 31
	24	05 59	18 06	05 55	18 10	05 51	18 14	05 47	18 18	05 42	18 23	05 38	18 27
	29	05 58	18 04	05 54	18 08	05 51	18 11	05 47	18 14	05 43	18 18	05 40	18 22
Sept.	3	05 56	18 03	05 53	18 05	05 51	18 08	05 48	18 11	05 45	18 14	05 42	18 17
	8	05 55	18 01	05 52	18 03	05 50	18 05	05 48	18 07	05 46	18 10	05 43	18 12
	13	05 53	17 59	05 51	18 01	05 50	18 02	05 48	18 03	05 47	18 05	05 45	18 07
	18	05 51	17 58	05 50	17 58	05 50	17 59	05 49	18 00	05 48	18 01	05 47	18 01
	23	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56
	28	05 48	17 54	05 48	17 53	05 49	17 53	05 49	17 52	05 50	17 51	05 51	17 50
Oct.	3	05 46	17 52	05 47	17 51	05 49	17 50	05 50	17 48	05 51	17 47	05 53	17 45
	8	05 44	17 51	05 46	17 49	05 48	17 47	05 51	17 45	05 52	17 43	05 55	17 40
	13	05 43	17 50	05 46	17 47	05 48	17 44	05 51	17 41	05 54	17 39	05 57	17 35
	18	05 42	17 49	05 45	17 45	05 49	17 42	05 52	17 38	05 56	17 35	06 00	17 31
	23	05 41	17 48	05 45	17 44	05 49	17 40	05 53	17 35	05 57	17 31	06 02	17 26
	28	05 41	17 47	05 45	17 43	05 50	17 38	05 55	17 33	05 59	17 28	06 05	17 22
Nov.	2	05 40	17 47	05 45	17 42	05 51	17 37	05 56	17 31	06 02	17 25	06 08	17 19
	7	05 40	17 47	05 46	17 41	05 52	17 36	05 58	17 29	06 04	17 23	06 11	17 16
	12	05 41	17 48	05 47	17 41	05 53	17 35	06 00	17 28	06 07	17 21	06 14	17 14
	17	05 41	17 48	05 48	17 42	05 55	17 35	06 02	17 27	06 10	17 20	06 18	17 12
	22	05 42	17 50	05 50	17 42	05 57	17 35	06 05	17 27	06 13	17 19	06 21	17 11
	27	05 44	17 51	05 52	17 44	05 59	17 36	06 08	17 28	06 16	17 19	06 25	17 10
Dec.	2	05 46	17 53	05 54	17 45	06 02	17 37	06 10	17 28	06 19	17 19	06 29	17 10
	7	05 48	17 55	05 56	17 47	06 04	17 38	06 13	17 30	06 22	17 20	06 32	17 11
	12	05 50	17 57	05 59	17 49	06 07	17 40	06 16	17 31	06 25	17 22	06 35	17 12
	17	05 52	18 00	06 01	17 51	06 09	17 42	06 19	17 33	06 28	17 24	06 38	17 14
	22	05 54	18 02	06 03	17 53	06 12	17 45	06 21	17 35	06 31	17 26	06 40	17 16
	27	05 57	18 05	06 06	17 56	06 14	17 47	06 24	17 39	06 33	17 29	06 43	17 19
Jan.	1	06 00	18 07	06 08	17 59	06 17	17 50	06 26	17 40	06 35	17 31	06 45	17 21

Local mean time. To obtain standard time of rise or set, see table 5.

Date		30° N		32° N		34° N		36° N		38° N		40° N	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	06 56	17 11	07 01	17 07	07 06	17 02	07 11	16 57	07 16	16 51	07 22	16 44
	6	06 57	17 15	07 02	17 11	07 06	17 06	07 11	17 01	07 17	16 56	07 22	16 49
	11	06 57	17 19	07 02	17 15	07 06	17 10	07 11	17 05	07 16	17 00	07 22	16 54
	16	06 57	17 23	07 01	17 19	07 05	17 15	07 10	17 10	07 15	17 05	07 20	17 00
	21	06 56	17 27	06 59	17 24	07 04	17 20	07 08	17 15	07 12	17 11	07 18	17 05
	26	06 54	17 32	06 57	17 28	07 01	17 25	07 05	17 21	07 09	17 16	07 14	17 11
	31	06 51	17 36	06 55	17 33	06 58	17 29	07 02	17 26	07 06	17 22	07 10	17 17
Feb.	5	06 48	17 40	06 51	17 37	06 54	17 34	06 58	17 31	07 01	17 27	07 05	17 23
	10	06 45	17 44	06 47	17 42	06 50	17 39	06 53	17 36	06 56	17 33	07 00	17 29
	15	06 41	17 48	06 43	17 46	06 45	17 44	06 48	17 41	06 50	17 39	06 54	17 35
	20	06 36	17 52	06 38	17 50	06 40	17 48	06 42	17 46	06 44	17 44	06 47	17 41
	25	06 31	17 56	06 32	17 55	06 34	17 53	06 36	17 51	06 39	17 49	06 41	17 47
Mar.	2	06 26	17 59	06 27	17 58	06 28	17 57	06 29	17 56	06 31	17 54	06 33	17 52
	7	06 20	18 03	06 21	18 02	06 22	18 01	06 23	18 00	06 25	17 59	06 26	17 58
	12	06 14	18 06	06 14	18 06	06 15	18 05	06 16	18 05	06 17	18 04	06 18	18 03
	17	06 09	18 09	06 09	18 09	06 09	18 09	06 09	18 09	06 10	18 09	06 10	18 08
	22	06 02	18 12	06 02	18 12	06 02	18 13	06 02	18 13	06 02	18 13	06 02	18 13
	27	05 56	18 15	05 56	18 16	05 55	18 17	05 54	18 17	05 53	18 18	05 53	18 18
Apr.	1	05 50	18 18	05 49	18 20	05 48	18 21	05 47	18 22	05 46	18 23	05 45	18 24
	6	05 44	18 21	05 43	18 23	05 41	18 24	05 40	18 26	05 38	18 27	05 37	18 29
	11	05 39	18 24	05 36	18 26	05 35	18 28	05 33	18 30	05 32	18 32	05 30	18 34
	16	05 33	18 27	05 31	18 30	05 29	18 32	05 26	18 34	05 24	18 37	05 22	18 39
	21	05 28	18 31	05 26	18 33	05 23	18 36	05 20	18 39	05 17	18 41	05 15	18 44
	26	05 23	18 34	05 19	18 37	05 17	18 40	05 13	18 43	05 10	18 46	05 08	18 49
May	1	05 18	18 37	05 14	18 40	05 11	18 43	05 08	18 47	05 04	18 51	05 01	18 54
	6	05 14	18 40	05 10	18 44	05 06	18 47	05 03	18 51	04 59	18 55	04 55	18 59
	11	05 10	18 43	05 06	18 47	05 02	18 51	04 58	18 55	04 54	19 00	04 49	19 04
	16	05 06	18 47	05 02	18 51	04 58	18 55	04 54	18 59	04 49	19 04	04 45	19 09
	21	05 04	18 50	04 59	18 54	04 55	18 59	04 50	19 03	04 45	19 08	04 40	19 13
	26	05 01	18 53	04 57	18 57	04 52	19 02	04 47	19 07	04 42	19 12	04 37	19 18
	31	05 00	18 56	04 55	19 00	04 50	19 05	04 45	19 11	04 40	19 16	04 34	19 21
June	5	04 59	18 58	04 54	19 03	04 49	19 08	04 43	19 14	04 38	19 19	04 32	19 25
	10	04 58	19 00	04 53	19 05	04 48	19 11	04 43	19 17	04 37	19 22	04 31	19 28
	15	04 58	19 02	04 53	19 07	04 48	19 13	04 43	19 18	04 37	19 24	04 30	19 30
	20	04 59	19 04	04 54	19 09	04 49	19 14	04 43	19 20	04 37	19 26	04 31	19 32
	25	05 00	19 05	04 55	19 10	04 50	19 15	04 44	19 21	04 38	19 26	04 32	19 33
	30	05 02	19 05	04 57	19 10	04 52	19 15	04 46	19 21	04 40	19 27	04 34	19 33
July	5	05 04	19 05	04 59	19 10	04 54	19 15	04 49	19 20	04 43	19 26	04 36	19 32
	10	05 06	19 04	05 02	19 09	04 57	19 14	04 51	19 19	04 46	19 25	04 39	19 31
	15	05 09	19 03	05 04	19 07	05 00	19 12	04 54	19 17	04 49	19 22	04 43	19 28
	20	05 11	19 01	05 07	19 05	05 03	19 10	04 58	19 14	04 53	19 19	04 47	19 25
	25	05 14	18 58	05 10	19 02	05 06	19 06	05 02	19 11	04 57	19 16	04 51	19 21
	30	05 17	18 55	05 14	18 59	05 10	19 03	05 05	19 07	05 01	19 11	04 56	19 17
Aug.	4	05 20	18 52	05 17	18 55	05 13	18 58	05 09	19 02	05 05	19 06	05 00	19 11
	9	05 23	18 47	05 20	18 50	05 17	18 54	05 13	18 57	05 09	19 01	05 05	19 05
	14	05 26	18 43	05 24	18 45	05 21	18 48	05 17	18 52	05 14	18 55	05 10	18 59
	19	05 29	18 38	05 27	18 40	05 24	18 43	05 21	18 45	05 18	18 48	05 14	18 52
	24	05 32	18 33	05 30	18 34	05 28	18 37	05 25	18 39	05 23	18 42	05 19	18 45
	29	05 35	18 27	05 33	18 28	05 31	18 30	05 29	18 32	05 27	18 34	05 24	18 37
Sept.	3	05 38	18 21	05 36	18 22	05 35	18 24	05 33	18 25	05 31	18 28	05 29	18 30
	8	05 40	18 15	05 39	18 16	05 38	18 17	05 37	18 18	05 35	18 19	05 34	18 22
	13	05 43	18 09	05 42	18 10	05 42	18 11	05 41	18 11	05 40	18 12	05 38	18 13
	18	05 46	18 03	05 46	18 03	05 45	18 04	05 44	18 04	05 43	18 05	05 43	18 05
	23	05 48	17 56	05 48	17 56	05 48	17 57	05 48	17 57	05 48	17 57	05 48	17 57
	28	05 51	17 50	05 51	17 50	05 52	17 49	05 52	17 49	05 53	17 49	05 53	17 49
Oct.	3	05 54	17 44	05 55	17 43	05 56	17 42	05 56	17 41	05 57	17 41	05 57	17 40
	8	05 57	17 38	05 58	17 36	05 59	17 35	06 00	17 34	06 01	17 33	06 02	17 32
	13	06 00	17 32	06 02	17 31	06 03	17 29	06 05	17 27	06 06	17 26	06 08	17 25
	18	06 03	17 27	06 05	17 25	06 07	17 23	06 09	17 21	06 11	17 19	06 13	17 17
	23	06 07	17 22	06 09	17 19	06 11	17 17	06 14	17 15	06 16	17 12	06 18	17 10
	28	06 10	17 17	06 13	17 14	06 16	17 12	06 18	17 09	06 21	17 06	06 24	17 04
Nov.	2	06 14	17 13	06 17	17 10	06 20	17 07	06 23	17 04	06 26	17 00	06 29	16 57
	7	06 18	17 09	06 22	17 06	06 25	17 02	06 28	16 59	06 32	16 55	06 35	16 52
	12	06 22	17 06	06 26	17 02	06 29	16 59	06 33	16 55	06 37	16 51	06 41	16 47
	17	06 26	17 03	06 30	16 59	06 34	16 56	06 38	16 51	06 43	16 47	06 47	16 43
	22	06 30	17 01	06 35	16 57	06 39	16 53	06 43	16 49	06 48	16 44	06 52	16 39
	27	06 34	17 00	06 39	16 56	06 44	16 52	06 48	16 47	06 53	16 42	06 58	16 37
Dec.	2	06 38	17 00	06 43	16 55	06 48	16 51	06 53	16 46	06 58	16 41	07 03	16 35
	7	06 42	17 00	06 47	16 56	06 52	16 51	06 57	16 46	07 02	16 40	07 08	16 35
	12	06 46	17 01	06 51	16 56	06 56	16 52	07 01	16 46	07 07	16 41	07 12	16 35
	17	06 49	17 03	06 54	16 58	06 59	16 53	07 04	16 48	07 10	16 42	07 16	16 36
	22	06 52	17 05	06 56	17 00	07 01	16 55	07 07	16 49	07 12	16 44	07 18	16 38
	27	06 54	17 08	06 59	17 03	07 04	16 58	07 09	16 53	07 15	16 47	07 20	16 41
Jan.	1	06 56	17 11	07 01	17 07	07 06	17 01	07 11	16 56	07 16	16 50	07 22	16 44

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 4.-SUNRISE AND SUNSET, 1983

Date		42° N		44° N		46° N		48° N		50° N		52° N	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	07 28	16 38	07 35	16 32	07 42	16 25	07 50	16 17	07 59	16 08	08 08	15 58
	6	07 28	16 44	07 35	16 37	07 42	16 30	07 49	16 23	07 58	16 14	08 07	16 04
	11	07 27	16 49	07 34	16 43	07 41	16 36	07 48	16 29	07 56	16 20	08 05	16 11
	16	07 25	16 55	07 31	16 48	07 38	16 41	07 45	16 34	07 53	16 27	08 01	16 19
	21	07 22	17 01	07 28	16 54	07 34	16 48	07 41	16 42	07 48	16 35	07 56	16 27
	26	07 19	17 07	07 25	17 02	07 31	16 55	07 37	16 49	07 43	16 43	07 50	16 36
	31	07 14	17 12	07 19	17 07	07 24	17 02	07 29	16 57	07 36	16 51	07 43	16 45
Feb.	5	07 09	17 20	07 14	17 16	07 19	17 10	07 24	17 05	07 29	17 00	07 35	16 54
	10	07 03	17 25	07 07	17 22	07 12	17 17	07 15	17 13	07 21	17 09	07 26	17 03
	15	06 56	17 33	07 00	17 29	07 03	17 25	07 08	17 21	07 12	17 17	07 17	17 13
	20	06 49	17 39	06 52	17 35	06 56	17 32	06 59	17 29	07 03	17 26	07 07	17 22
	25	06 43	17 45	06 45	17 42	06 47	17 39	06 50	17 37	06 53	17 34	06 56	17 31
Mar.	2	06 34	17 50	06 37	17 48	06 39	17 47	06 41	17 45	06 43	17 43	06 45	17 40
	7	06 27	17 57	06 28	17 56	06 30	17 54	06 31	17 53	06 33	17 51	06 34	17 49
	12	06 19	18 02	06 20	18 01	06 20	18 01	06 21	18 00	06 22	17 59	06 23	17 58
	17	06 10	18 08	06 10	18 08	06 10	18 08	06 11	18 07	06 11	18 07	06 11	18 07
	22	06 02	18 13	06 01	18 14	06 01	18 14	06 00	18 15	06 00	18 15	06 00	18 15
	27	05 53	18 19	05 52	18 20	05 51	18 21	05 50	18 22	05 49	18 23	05 48	18 24
Apr.	1	05 44	18 25	05 43	18 26	05 42	18 28	05 40	18 30	05 38	18 31	05 37	18 33
	6	05 36	18 31	05 34	18 33	05 32	18 35	05 30	18 37	05 28	18 39	05 25	18 41
	11	05 28	18 36	05 25	18 38	05 23	18 40	05 20	18 43	05 17	18 46	05 14	18 50
	16	05 20	18 42	05 17	18 45	05 14	18 48	05 10	18 51	05 07	18 54	05 03	18 58
	21	05 12	18 48	05 09	18 51	05 05	18 54	05 01	18 58	04 57	19 02	04 52	19 07
	26	05 04	18 53	05 00	18 57	04 56	19 01	04 52	19 06	04 47	19 10	04 42	19 15
May	1	04 57	18 57	04 53	19 03	04 47	19 08	04 42	19 13	04 38	19 18	04 32	19 24
	6	04 50	19 04	04 45	19 09	04 40	19 14	04 35	19 19	04 29	19 25	04 22	19 32
	11	04 44	19 09	04 39	19 14	04 33	19 20	04 27	19 26	04 21	19 33	04 14	19 40
	16	04 39	19 14	04 34	19 20	04 27	19 26	04 20	19 33	04 14	19 40	04 06	19 48
	21	04 34	19 19	04 28	19 25	04 21	19 32	04 14	19 39	04 07	19 47	03 59	19 55
	26	04 31	19 24	04 24	19 30	04 17	19 37	04 10	19 45	04 02	19 53	03 52	20 02
	31	04 28	19 28	04 21	19 35	04 14	19 42	04 06	19 50	03 57	19 59	03 47	20 08
June	5	04 25	19 32	04 18	19 39	04 11	19 46	04 03	19 54	03 54	20 03	03 43	20 14
	10	04 24	19 35	04 17	19 42	04 09	19 50	04 01	19 58	03 51	20 08	03 41	20 18
	15	04 24	19 37	04 16	19 44	04 09	19 52	04 00	20 01	03 50	20 11	03 39	20 21
	20	04 24	19 39	04 17	19 46	04 09	19 54	04 00	20 03	03 50	20 12	03 39	20 23
	25	04 25	19 40	04 18	19 47	04 10	19 55	04 01	20 04	03 51	20 13	03 41	20 24
	30	04 27	19 40	04 20	19 47	04 12	19 55	04 03	20 03	03 54	20 13	03 43	20 24
July	5	04 30	19 39	04 23	19 46	04 15	19 53	04 07	20 02	03 57	20 11	03 47	20 22
	10	04 33	19 37	04 26	19 44	04 19	19 51	04 11	19 59	04 01	20 08	03 51	20 18
	15	04 37	19 34	04 31	19 41	04 24	19 48	04 16	19 56	04 06	20 04	03 57	20 14
	20	04 41	19 31	04 34	19 37	04 27	19 44	04 20	19 51	04 12	19 59	04 03	20 09
	25	04 46	19 26	04 40	19 32	04 34	19 38	04 27	19 45	04 19	19 53	04 10	20 02
	30	04 51	19 22	04 46	19 27	04 40	19 33	04 33	19 40	04 25	19 47	04 17	19 54
Aug.	4	04 56	19 15	04 51	19 21	04 45	19 27	04 39	19 33	04 32	19 39	04 25	19 46
	9	05 01	19 09	04 57	19 15	04 52	19 20	04 46	19 25	04 39	19 31	04 33	19 37
	14	05 06	19 02	05 02	19 06	04 58	19 12	04 53	19 17	04 47	19 22	04 41	19 27
	19	05 11	18 56	05 08	19 00	05 04	19 04	04 59	19 08	04 54	19 12	04 49	19 17
	24	05 17	18 47	05 14	18 50	05 10	18 54	05 06	18 58	05 02	19 02	04 57	19 07
	29	05 22	18 40	05 19	18 43	05 15	18 46	05 12	18 49	05 09	18 52	05 05	18 56
Sept.	3	05 27	18 32	05 25	18 34	05 23	18 36	05 20	18 39	05 17	18 41	05 14	18 44
	8	05 32	18 23	05 30	18 25	05 28	18 27	05 26	18 29	05 24	18 31	05 22	18 33
	13	05 37	18 14	05 36	18 15	05 34	18 17	05 33	18 18	05 32	18 20	05 30	18 21
	18	05 43	18 06	05 42	18 07	05 41	18 07	05 40	18 08	05 39	18 09	05 38	18 10
	23	05 48	17 57	05 47	17 57	05 47	17 57	05 47	17 57	05 47	17 58	05 46	17 58
	28	05 53	17 49	05 53	17 48	05 53	17 48	05 54	17 47	05 54	17 47	05 55	17 46
Oct.	3	05 58	17 39	05 59	17 38	06 00	17 38	06 01	17 37	06 02	17 36	06 03	17 35
	8	06 04	17 31	06 05	17 30	06 07	17 28	06 09	17 27	06 10	17 25	06 11	17 23
	13	06 10	17 23	06 11	17 21	06 13	17 19	06 15	17 17	06 17	17 15	06 20	17 12
	18	06 15	17 15	06 17	17 12	06 19	17 10	06 22	17 07	06 25	17 04	06 29	17 01
	23	06 20	17 08	06 23	17 05	06 26	17 01	06 30	16 58	06 34	16 55	06 37	16 51
	28	06 27	17 01	06 30	16 56	06 33	16 53	06 37	16 49	06 42	16 45	06 46	16 41
Nov.	2	06 33	16 53	06 37	16 49	06 41	16 45	06 45	16 41	06 50	16 36	06 55	16 31
	7	06 40	16 47	06 44	16 43	06 49	16 38	06 54	16 33	06 58	16 28	07 04	16 22
	12	06 46	16 42	06 51	16 37	06 56	16 32	07 01	16 27	07 07	16 21	07 13	16 14
	17	06 52	16 38	06 57	16 33	07 02	16 27	07 08	16 21	07 15	16 14	07 22	16 07
	22	06 58	16 34	07 04	16 28	07 10	16 22	07 16	16 16	07 23	16 09	07 31	16 01
	27	07 04	16 31	07 10	16 25	07 16	16 19	07 22	16 12	07 30	16 04	07 39	15 56
Dec.	2	07 09	16 29	07 15	16 23	07 22	16 16	07 29	16 09	07 37	16 01	07 46	15 52
	7	07 14	16 29	07 21	16 22	07 28	16 15	07 35	16 07	07 43	15 59	07 53	15 50
	12	07 19	16 29	07 26	16 22	07 33	16 15	07 41	16 07	07 49	15 58	07 58	15 48
	17	07 22	16 30	07 29	16 23	07 36	16 16	07 44	16 08	07 53	15 59	08 03	15 49
	22	07 25	16 32	07 32	16 25	07 39	16 17	07 47	16 09	07 56	16 00	08 06	15 51
	27	07 27	16 35	07 34	16 28	07 41	16 21	07 49	16 13	07 58	16 04	08 08	15 54
Jan.	1	07 28	16 38	07 35	16 32	07 42	16 24	07 50	16 16	07 59	16 08	08 08	15 58

Local mean time. To obtain standard time of rise or set, see table 5.

Date		54° N		56° N		58° N		60° N		62° N		64° N	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	08 19	15 47	08 32	15 35	08 46	15 21	09 03	15 04	09 24	14 43	09 50	14 16
	6	08 18	15 54	08 30	15 42	08 43	15 28	08 59	15 12	09 19	14 53	09 44	14 27
	11	08 15	16 01	08 26	15 50	08 39	15 37	08 54	15 22	09 13	15 03	09 36	14 40
	16	08 10	16 09	08 21	15 59	08 33	15 47	08 47	15 33	09 04	15 16	09 25	14 55
	21	08 05	16 18	08 15	16 08	08 26	15 57	08 39	15 44	08 54	15 29	09 13	15 11
	26	07 58	16 28	08 07	15 19	08 17	16 09	08 29	15 57	08 43	15 43	08 59	15 27
	31	07 50	16 38	07 58	16 29	08 07	16 20	08 18	16 10	08 30	15 58	08 45	15 43
Feb.	5	07 41	16 48	07 49	16 40	07 57	16 32	08 06	16 23	08 17	16 12	08 29	16 00
	10	07 32	16 58	07 38	16 51	07 45	16 44	07 53	16 36	08 03	16 27	08 14	16 16
	15	07 22	17 08	07 27	17 02	07 33	16 56	07 40	16 49	07 48	16 41	07 57	16 32
	20	07 11	17 18	07 15	17 13	07 21	17 08	07 26	17 02	07 33	16 56	07 41	16 48
	25	07 00	17 28	07 03	17 24	07 08	17 20	07 12	17 15	07 18	17 10	07 24	17 04
Mar.	2	06 48	17 38	06 51	17 35	06 54	17 32	06 58	17 28	07 02	17 24	07 07	17 20
	7	06 36	17 47	06 38	17 45	06 41	17 43	06 43	17 41	06 46	17 38	06 49	17 35
	12	06 24	17 57	06 25	17 56	06 27	17 55	06 28	17 53	06 30	17 52	06 32	17 50
	17	06 12	18 06	06 12	18 06	06 13	18 06	06 13	18 05	06 14	18 05	06 14	18 05
	22	05 59	18 16	05 59	18 16	05 59	18 17	05 58	18 18	05 57	18 18	05 57	18 19
	27	05 47	18 25	05 46	18 27	05 44	18 28	05 43	18 30	05 41	18 32	05 39	18 34
Apr.	1	05 35	18 35	05 33	18 37	05 30	18 39	05 28	18 42	05 25	18 45	05 21	18 49
	6	05 23	18 44	05 20	18 47	05 16	18 50	05 13	18 54	05 08	18 59	05 03	19 04
	11	05 11	18 53	05 07	18 57	05 02	19 02	04 58	19 07	04 52	19 12	04 46	19 19
	16	04 59	19 03	04 54	19 07	04 49	19 13	04 43	19 19	04 36	19 26	04 28	19 34
	21	04 47	19 12	04 42	19 18	04 35	19 24	04 28	19 31	04 20	19 39	04 11	19 49
	26	04 36	19 21	04 29	19 28	04 22	19 35	04 14	19 44	04 04	19 53	03 53	20 05
May	1	04 25	19 30	04 18	19 38	04 10	19 46	04 00	19 56	03 49	20 07	03 36	20 21
	6	04 15	19 39	04 07	19 48	03 57	19 57	03 47	20 08	03 34	20 21	03 19	20 37
	11	04 06	19 48	03 56	19 58	03 46	20 08	03 34	20 21	03 20	20 35	03 02	20 53
	16	03 57	19 57	03 47	20 07	03 35	20 19	03 22	20 33	03 06	20 49	02 46	21 09
	21	03 49	20 05	03 38	20 16	03 25	20 29	03 11	20 44	02 53	21 02	02 31	21 25
	26	03 42	20 13	03 30	20 25	03 17	20 38	03 01	20 55	02 41	21 15	02 16	21 40
	31	03 36	20 19	03 24	20 32	03 09	20 47	02 52	21 04	02 30	21 26	02 02	21 55
June	5	03 32	20 25	03 19	20 39	03 03	20 54	02 45	21 13	02 21	21 37	01 50	22 08
	10	03 29	20 30	03 15	20 44	02 59	21 00	02 39	21 20	02 15	21 45	01 40	22 20
	15	03 27	20 34	03 13	20 48	02 56	21 04	02 36	21 25	02 10	21 51	01 34	22 28
	20	03 27	20 36	03 13	20 50	02 56	21 07	02 35	21 27	02 09	21 54	01 31	22 32
	25	03 28	20 36	03 14	20 51	02 57	21 07	02 37	21 28	02 10	21 54	01 32	22 32
	30	03 31	20 36	03 17	20 50	03 00	21 06	02 40	21 26	02 14	21 52	01 38	22 28
July	5	03 35	20 33	03 21	20 47	03 05	21 03	02 46	21 22	02 21	21 46	01 47	22 20
	10	03 40	20 30	03 27	20 43	03 11	20 58	02 53	21 16	02 30	21 39	01 59	22 09
	15	03 46	20 25	03 34	20 37	03 19	20 51	03 02	21 08	02 41	21 29	02 13	21 56
	20	03 53	20 19	03 41	20 30	03 28	20 43	03 12	20 59	02 53	21 18	02 28	21 42
	25	04 00	20 11	03 50	20 22	03 37	20 34	03 23	20 49	03 05	21 06	02 43	21 27
	30	04 09	20 03	03 59	20 13	03 47	20 24	03 34	20 37	03 18	20 53	02 59	21 11
Aug.	4	04 17	19 54	04 08	20 03	03 58	20 13	03 46	20 25	03 32	20 38	03 15	20 55
	9	04 26	19 44	04 18	19 52	04 08	20 01	03 58	20 12	03 45	20 24	03 31	20 38
	14	04 35	19 34	04 27	19 41	04 19	19 49	04 10	19 58	03 59	20 09	03 46	20 21
	19	04 43	19 23	04 37	19 29	04 30	19 36	04 22	19 44	04 12	19 53	04 02	20 04
	24	04 52	19 11	04 47	19 17	04 41	19 23	04 34	19 30	04 26	19 37	04 17	19 46
	29	05 01	19 00	04 57	19 04	04 52	19 09	04 46	19 15	04 39	19 21	04 31	19 29
Sept.	3	05 10	18 48	05 07	18 51	05 02	18 55	04 58	19 00	04 52	19 05	04 46	19 11
	8	05 19	18 35	05 16	18 38	05 13	18 41	05 09	18 45	05 05	18 49	05 01	18 53
	13	05 28	18 23	05 26	18 25	05 24	18 27	05 21	18 30	05 18	18 32	05 15	18 36
	18	05 37	18 11	05 36	18 12	05 34	18 13	05 33	18 14	05 31	18 16	05 29	18 18
	23	05 46	17 58	05 46	17 58	05 45	17 59	05 45	17 59	05 44	18 00	05 43	18 00
	28	05 55	17 46	05 55	17 45	05 56	17 45	05 56	17 44	05 57	17 43	05 58	17 42
Oct.	3	06 04	17 33	06 05	17 32	06 07	17 31	06 08	17 29	06 10	17 27	06 12	17 25
	8	06 13	17 21	06 15	17 19	06 18	17 17	06 20	17 14	06 23	17 11	06 27	17 07
	13	06 23	17 09	06 26	17 06	06 29	17 03	06 33	16 59	06 37	16 55	06 41	16 50
	18	06 32	16 58	06 36	16 54	06 40	16 50	06 45	16 45	06 50	16 39	06 56	16 33
	23	06 42	16 46	06 46	16 42	06 52	16 36	06 57	16 30	07 04	16 24	07 12	16 16
	28	06 51	16 36	06 57	16 30	07 03	16 24	07 10	16 17	07 18	16 09	07 27	15 59
Nov.	2	07 01	16 25	07 08	16 19	07 15	16 12	07 23	16 03	07 32	15 54	07 43	15 43
	7	07 11	16 16	07 18	16 08	07 26	16 00	07 36	15 51	07 47	15 40	07 59	15 27
	12	07 21	16 07	07 29	15 59	07 38	15 50	07 49	15 39	08 01	15 27	08 15	15 12
	17	07 30	15 59	07 39	15 50	07 49	15 40	08 01	15 28	08 15	15 14	08 32	14 57
	22	07 39	15 52	07 49	15 42	08 00	15 31	08 13	15 18	08 29	15 03	08 47	14 44
	27	07 48	15 47	07 59	15 36	08 11	15 24	08 25	15 09	08 42	14 53	09 03	14 32
Dec.	2	07 56	15 42	08 07	15 31	08 20	15 18	08 36	15 02	08 54	14 44	09 17	14 21
	7	08 03	15 39	08 15	15 27	08 29	15 13	08 45	14 57	09 05	14 38	09 30	14 12
	12	08 09	15 38	08 22	15 25	08 36	15 11	08 53	14 54	09 14	14 33	09 40	14 06
	17	08 14	15 38	08 26	15 25	08 41	15 10	08 59	14 53	09 20	14 32	09 48	14 04
	22	08 17	15 39	08 30	15 27	08 45	15 12	09 02	14 54	09 24	14 33	09 52	14 04
	27	08 19	15 43	08 32	15 30	08 46	15 15	09 04	14 58	09 25	14 37	09 53	14 09
Jan.	1	08 19	15 47	08 32	15 35	08 46	15 21	09 03	15 04	09 24	14 43	09 51	14 16

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 4.-SUNRISE AND SUNSET, 1983

Date		66° N		68° N		70° N		72° N		74° N		76° N	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	10 29	13 37	Rises Jan. 4		Sun does not rise until Jan. 17.		Sun does not rise until Jan. 26.		Sun does not rise until Feb. 3.		Sun does not rise until Feb. 10.	
	6	10 19	13 53	11 27	12 45								
	11	10 06	14 10	10 56	13 20								
	16	09 52	14 28	10 32	13 48	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	21	09 36	14 47	10 08	14 15	11 02	13 21	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	26	09 20	15 06	09 46	14 40	10 25	14 01	11 53	12 34	.. ..	.. ..	.. ..	.. ..
	31	09 02	15 26	09 25	15 03	09 55	14 33	10 41	13 47	.. ..	.. ..	.. ..	.. ..
Feb.	5	08 45	15 45	09 03	15 26	09 28	15 02	10 01	14 29	11 00	13 30	.. ..	.. ..
	10	08 26	16 03	08 42	15 48	09 02	15 28	09 28	15 02	10 06	14 25	11 26	13 05
	15	08 08	16 22	08 21	16 09	08 37	15 53	08 58	15 32	09 25	15 05	10 10	14 21
	20	07 49	16 40	08 00	16 29	08 13	16 16	08 28	16 01	08 50	15 39	09 21	15 09
	25	07 31	16 57	07 39	16 49	07 49	16 39	08 01	16 27	08 18	16 12	08 40	15 48
Mar.	2	07 12	17 14	07 18	17 08	07 26	17 00	07 36	16 52	07 47	16 41	08 03	16 24
	7	06 53	17 31	06 57	17 27	07 03	17 22	07 10	17 16	07 17	17 07	07 28	16 57
	12	06 34	17 48	06 37	17 45	06 40	17 42	06 43	17 39	06 48	17 34	06 54	17 28
	17	06 15	18 04	06 16	18 04	06 17	18 03	06 17	18 02	06 19	18 02	06 21	17 59
	22	05 56	18 20	05 55	18 22	05 53	18 23	05 51	18 25	05 50	18 28	05 48	18 29
	27	05 36	18 37	05 34	18 40	05 30	18 43	05 25	18 48	05 21	18 53	05 15	19 00
Apr.	1	05 17	18 53	05 12	18 58	05 07	19 04	04 59	19 12	04 51	19 20	04 41	19 32
	6	04 58	19 10	04 51	19 17	04 43	19 25	04 34	19 36	04 21	19 48	04 05	20 05
	11	04 38	19 26	04 30	19 35	04 19	19 46	04 05	20 01	03 49	20 18	03 27	20 41
	16	04 19	19 43	04 08	19 55	03 55	20 09	03 38	20 27	03 15	20 50	02 44	21 23
	21	04 00	20 01	03 46	20 15	03 29	20 32	03 08	20 54	02 38	21 26	01 52	22 16
	26	03 40	20 18	03 24	20 35	03 03	20 57	02 35	21 26	01 54	22 10	.. ..	.. ..
May	1	03 20	20 37	03 01	20 57	02 35	21 24	01 58	22 03	00 49	23 31	.. ..	.. ..
	6	03 01	20 55	02 37	21 20	02 05	21 54	01 11	22 53	.. ..	.. ..	.. ..	.. ..
	11	02 41	21 15	02 12	21 45	01 29	22 31	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	16	02 21	21 35	01 46	22 12	00 36	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	21	02 01	21 56	01 14	22 45	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	26	01 40	22 17	00 29	23 47	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	31	01 20	22 39	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
June	5	00 57	23 03	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	10	00 32	23 33	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	15	Sun rises June 13; sets July 1.		Sun rises May 27; sets July 18.		Sun rises May 16; sets July 27.		Sun rises May 8; sets Aug. 4.		Sun rises May 2; sets Aug. 12.		Sun rises April 25; sets Aug. 18.	
	20												
	25												
	30	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
July	5	00 42	23 21	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	10	01 08	22 58	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	15	01 32	22 36	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	20	01 53	22 16	00 48	23 15	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	25	02 14	21 55	01 30	22 37	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	30	02 34	21 35	02 00	22 08	00 57	23 05	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Aug.	4	02 54	21 15	02 26	21 42	01 44	22 21	.. ..	23 57	.. ..	.. ..	.. ..	.. ..
	9	03 13	20 56	02 50	21 18	02 18	21 48	01 27	22 34	.. ..	.. ..	.. ..	.. ..
	14	03 31	20 36	03 12	20 54	02 47	21 18	02 12	21 51	01 06	22 49	.. ..	.. ..
	19	03 49	20 16	03 33	20 32	03 13	20 51	02 46	21 17	02 06	21 54	00 23	23 11
	24	04 06	19 57	03 53	20 09	03 36	20 25	03 16	20 46	02 47	21 12	01 59	21 56
	29	04 23	19 37	04 12	19 48	03 59	20 00	03 43	20 15	03 20	20 37	02 48	21 08
Sept.	3	04 39	19 18	04 30	19 26	04 20	19 36	04 08	19 49	03 52	20 04	03 27	20 26
	8	04 55	18 59	04 49	19 05	04 41	19 12	04 32	19 22	04 20	19 33	04 02	19 49
	13	05 11	18 39	05 07	18 43	05 01	18 49	04 55	18 54	04 47	19 03	04 34	19 14
	18	05 27	18 20	05 24	18 22	05 21	18 25	05 17	18 28	05 13	18 34	05 05	18 40
	23	05 43	18 01	05 42	18 01	05 41	18 02	05 40	18 03	05 38	18 05	05 35	18 07
	28	05 58	17 42	05 59	17 40	06 00	17 39	06 02	17 37	06 04	17 36	06 05	17 34
Oct.	3	06 14	17 22	06 17	17 20	06 20	17 16	06 25	17 11	06 30	17 07	06 35	17 01
	8	06 31	17 03	06 35	16 59	06 41	16 53	06 48	16 47	06 55	16 38	07 06	16 28
	13	06 47	16 44	06 53	16 38	07 01	16 30	07 11	16 19	07 24	16 08	07 38	15 52
	18	07 04	16 26	07 12	16 17	07 23	16 06	07 36	15 54	07 52	15 37	08 13	15 16
	23	07 21	16 07	07 31	15 56	07 45	15 43	08 02	15 27	08 23	15 04	08 52	14 34
	28	07 38	15 48	07 51	15 35	08 08	15 19	08 28	14 58	08 57	14 29	09 40	13 46
Nov.	2	07 56	15 30	08 12	15 14	08 32	14 54	08 59	14 27	09 37	13 47	10 58	12 28
	7	08 14	15 12	08 33	14 53	08 58	14 28	09 32	13 54	10 32	12 54	.. ..	.. ..
	12	08 33	14 54	08 56	14 32	09 26	14 01	10 15	13 12	.. ..	.. ..	.. ..	.. ..
	17	08 52	14 37	09 19	14 10	09 58	13 31	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	22	09 11	14 20	09 44	13 48	10 38	12 53	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	27	09 30	14 04	10 10	13 25	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Dec.	2	09 48	13 50	10 38	13 00	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	7	10 05	13 37	11 13	12 29	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	12	10 19	13 28	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	17	10 30	13 22	Sun does not rise after Dec. 8.		Sun does not rise after Nov. 25.		Sun does not rise after Nov. 16.		Sun does not rise after Nov. 9.		Sun does not rise after Nov. 2.	
	22	10 35	13 21										
	27	10 35	13 27										
Jan.	1	10 30	13 37	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..

Local mean time. To obtain standard time of rise or set, see table 5.

Date		0°		5° S		10° S		15° S		20° S		25° S	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	06 00	18 07	05 51	18 16	05 42	18 24	05 33	18 34	05 24	18 43	05 13	18 53
	6	06 02	18 09	05 54	18 18	05 45	18 26	05 36	18 35	05 27	18 44	05 16	18 54
	11	06 04	18 12	05 56	18 20	05 48	18 28	05 39	18 36	05 30	18 45	05 20	18 55
	16	06 06	18 13	05 58	18 21	05 50	18 29	05 41	18 37	05 33	18 45	05 24	18 55
	21	06 08	18 15	06 00	18 22	05 53	18 29	05 45	18 37	05 37	18 45	05 28	18 54
	26	06 09	18 16	06 02	18 23	05 55	18 30	05 48	18 37	05 40	18 45	05 32	18 53
	31	06 10	18 17	06 04	18 24	05 57	18 30	05 50	18 36	05 43	18 43	05 35	18 51
Feb.	5	06 11	18 18	06 05	18 24	05 59	18 29	05 52	18 35	05 46	18 42	05 38	18 49
	10	06 11	18 18	06 06	18 23	06 00	18 28	05 54	18 33	05 49	18 39	05 42	18 46
	15	06 11	18 18	06 06	18 22	06 02	18 27	05 56	18 32	05 51	18 37	05 46	18 43
	20	06 10	18 17	06 06	18 21	06 02	18 25	05 58	18 30	05 54	18 34	05 49	18 38
	25	06 10	18 17	06 06	18 20	06 03	18 23	06 00	18 26	05 56	18 30	05 52	18 34
Mar.	2	06 09	18 16	06 06	18 19	06 04	18 21	06 01	18 23	05 58	18 26	05 54	18 30
	7	06 08	18 15	06 06	18 17	06 04	18 19	06 02	18 21	06 00	18 23	05 57	18 25
	12	06 07	18 13	06 06	18 14	06 04	18 16	06 03	18 17	06 01	18 18	06 00	18 20
	17	06 05	18 12	06 05	18 12	06 04	18 13	06 04	18 14	06 03	18 14	06 02	18 15
	22	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10
	27	06 02	18 09	06 03	18 08	06 04	18 07	06 04	18 06	06 05	18 05	06 06	18 05
Apr.	1	06 01	18 07	06 02	18 06	06 04	18 04	06 05	18 02	06 07	18 01	06 08	18 00
	6	05 59	18 06	06 01	18 04	06 04	18 02	06 06	17 59	06 08	17 57	06 10	17 55
	11	05 58	18 05	06 01	18 02	06 04	17 59	06 07	17 56	06 10	17 53	06 13	17 50
	16	05 57	18 03	06 00	18 00	06 04	17 56	06 08	17 53	06 11	17 49	06 15	17 45
	21	05 56	18 02	06 00	17 58	06 04	17 54	06 08	17 50	06 12	17 45	06 17	17 40
	26	05 55	18 01	06 00	17 56	06 04	17 52	06 09	17 47	06 14	17 42	06 19	17 36
May	1	05 54	18 01	05 59	17 55	06 04	17 50	06 10	17 44	06 16	17 39	06 22	17 32
	6	05 53	18 00	05 59	17 54	06 05	17 48	06 11	17 42	06 18	17 36	06 25	17 28
	11	05 53	18 00	05 59	17 53	06 06	17 47	06 12	17 40	06 19	17 33	06 27	17 25
	16	05 53	18 00	06 00	17 53	06 07	17 46	06 14	17 38	06 21	17 31	06 29	17 23
	21	05 53	18 00	06 00	17 52	06 08	17 45	06 16	17 37	06 23	17 30	06 32	17 21
	26	05 53	18 00	06 01	17 52	06 09	17 45	06 17	17 37	06 25	17 29	06 34	17 20
	31	05 54	18 01	06 02	17 53	06 10	17 45	06 18	17 36	06 27	17 28	06 37	17 18
June	5	05 55	18 02	06 03	17 53	06 11	17 45	06 20	17 36	06 29	17 28	06 39	17 17
	10	05 56	18 03	06 04	17 54	06 13	17 46	06 22	17 37	06 31	17 28	06 41	17 17
	15	05 57	18 04	06 05	17 55	06 14	17 47	06 23	17 38	06 32	17 28	06 43	17 17
	20	05 58	18 05	06 06	17 56	06 15	17 48	06 24	17 38	06 34	17 29	06 44	17 18
	25	05 59	18 06	06 07	17 57	06 16	17 49	06 25	17 39	06 35	17 30	06 45	17 19
	30	06 00	18 07	06 08	17 58	06 17	17 50	06 26	17 41	06 35	17 32	06 45	17 21
July	5	06 01	18 08	06 09	17 59	06 18	17 51	06 27	17 42	06 36	17 33	06 46	17 23
	10	06 02	18 09	06 10	18 01	06 18	17 53	06 27	17 44	06 36	17 35	06 46	17 25
	15	06 02	18 09	06 10	18 02	06 18	17 54	06 26	17 46	06 35	17 37	06 45	17 27
	20	06 03	18 10	06 10	18 03	06 18	17 55	06 26	17 47	06 34	17 39	06 44	17 30
	25	06 03	18 10	06 10	18 03	06 17	17 56	06 25	17 48	06 33	17 40	06 42	17 32
	30	06 03	18 10	06 10	18 03	06 17	17 57	06 24	17 49	06 31	17 42	06 39	17 34
Aug.	4	06 03	18 10	06 09	18 03	06 15	17 57	06 22	17 50	06 29	17 44	06 36	17 37
	9	06 02	18 09	06 08	18 04	06 14	17 58	06 20	17 52	06 26	17 46	06 33	17 39
	14	06 01	18 08	06 06	18 03	06 12	17 58	06 18	17 52	06 23	17 47	06 29	17 41
	19	06 00	18 07	06 05	18 02	06 10	17 58	06 15	17 53	06 19	17 48	06 24	17 43
	24	05 59	18 06	06 03	18 02	06 07	17 58	06 12	17 54	06 16	17 50	06 20	17 45
	29	05 58	18 04	06 01	18 01	06 05	17 58	06 09	17 54	06 12	17 51	06 16	17 47
Sept.	3	05 56	18 03	05 59	18 00	06 02	17 58	06 05	17 55	06 08	17 52	06 11	17 49
	8	05 55	18 01	05 57	17 59	05 59	17 57	06 01	17 55	06 03	17 53	06 06	17 50
	13	05 53	17 59	05 55	17 58	05 56	17 57	05 58	17 55	05 59	17 54	06 00	17 52
	18	05 51	17 58	05 52	17 57	05 53	17 56	05 54	17 55	05 54	17 55	05 54	17 54
	23	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56	05 49	17 56
	28	05 48	17 54	05 47	17 55	05 46	17 56	05 45	17 56	05 45	17 57	05 44	17 58
Oct.	3	05 46	17 52	05 45	17 54	05 43	17 55	05 42	17 57	05 40	17 59	05 38	18 00
	8	05 44	17 51	05 42	17 53	05 40	17 55	05 38	17 57	05 36	18 00	05 33	18 02
	13	05 43	17 50	05 40	17 52	05 38	17 55	05 35	17 58	05 32	18 01	05 28	18 04
	18	05 42	17 49	05 38	17 52	05 35	17 55	05 31	17 59	05 28	18 03	05 24	18 07
	23	05 41	17 48	05 37	17 52	05 33	17 56	05 28	18 00	05 24	18 05	05 19	18 10
	28	05 41	17 47	05 36	17 52	05 31	17 57	05 26	18 02	05 21	18 07	05 15	18 13
Nov.	2	05 40	17 47	05 35	17 52	05 30	17 58	05 24	18 03	05 18	18 09	05 11	18 16
	7	05 40	17 47	05 34	17 53	05 29	17 59	05 22	18 05	05 16	18 12	05 08	18 19
	12	05 41	17 48	05 34	17 54	05 28	18 00	05 21	18 07	05 14	18 14	05 06	18 22
	17	05 41	17 48	05 34	17 55	05 27	18 02	05 20	18 10	05 13	18 17	05 04	18 26
	22	05 42	17 50	05 35	17 57	05 28	18 04	05 20	18 12	05 12	18 20	05 02	18 30
	27	05 44	17 51	05 36	17 59	05 28	18 07	05 20	18 15	05 11	18 24	05 01	18 34
Dec.	2	05 46	17 53	05 37	18 01	05 29	18 09	05 20	18 18	05 12	18 27	05 01	18 37
	7	05 48	17 55	05 39	18 03	05 31	18 12	05 21	18 21	05 12	18 30	05 01	18 40
	12	05 50	17 57	05 41	18 05	05 32	18 14	05 23	18 24	05 14	18 33	05 03	18 44
	17	05 52	18 00	05 43	18 08	05 34	18 17	05 25	18 26	05 16	18 36	05 05	18 47
	22	05 54	18 02	05 45	18 11	05 37	18 20	05 28	18 29	05 18	18 39	05 07	18 50
	27	05 57	18 05	05 48	18 14	05 38	18 22	05 30	18 32	05 20	18 41	05 09	18 52
Jan.	1	06 00	18 07	05 51	18 16	05 42	18 24	05 32	18 34	05 23	18 43	05 12	18 54

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 4.-SUNRISE AND SUNSET, 1983

Date		30° S		32° S		34° S		36° S		38° S		40° S	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	05 02	19 04	04 57	19 09	04 52	19 14	04 46	19 20	04 40	19 26	04 34	19 32
	6	05 06	19 05	05 01	19 10	04 56	19 15	04 50	19 21	04 45	19 26	04 39	19 32
	11	05 10	19 05	05 05	19 10	05 00	19 15	04 55	19 20	04 50	19 25	04 44	19 31
	16	05 14	19 05	05 09	19 09	05 04	19 14	04 59	19 19	04 54	19 24	04 49	19 30
	21	05 18	19 04	05 14	19 08	05 09	19 13	05 05	19 17	05 00	19 22	04 55	19 27
	26	05 23	19 02	05 19	19 06	05 15	19 10	05 11	19 14	05 06	19 19	05 01	19 23
	31	05 27	18 59	05 23	19 03	05 20	19 06	05 16	19 10	05 11	19 15	05 07	19 19
Feb.	5	05 31	18 56	05 28	18 59	05 25	19 02	05 21	19 06	05 17	19 10	05 13	19 14
	10	05 36	18 52	05 33	18 55	05 30	18 58	05 26	19 02	05 23	19 05	05 19	19 09
	15	05 40	18 48	05 37	18 51	05 34	18 54	05 31	18 56	05 28	18 59	05 25	19 02
	20	05 44	18 43	05 42	18 45	05 39	18 48	05 37	18 50	05 34	18 53	05 31	18 56
	25	05 48	18 38	05 46	18 40	05 44	18 42	05 42	18 44	05 39	18 47	05 37	18 49
Mar.	2	05 51	18 33	05 49	18 35	05 48	18 36	05 46	18 38	05 45	18 40	05 43	18 41
	7	05 55	18 28	05 54	18 29	05 53	18 30	05 51	18 32	05 50	18 33	05 48	18 34
	12	05 58	18 22	05 57	18 22	05 56	18 23	05 56	18 24	05 55	18 25	05 54	18 26
	17	06 01	18 16	06 01	18 16	06 00	18 17	06 00	18 17	05 59	18 18	05 59	18 18
	22	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10
	27	06 07	18 04	06 07	18 04	06 08	18 03	06 08	18 03	06 09	18 02	06 09	18 01
Apr.	1	06 10	17 58	06 11	17 57	06 12	17 56	06 12	17 55	06 13	17 54	06 14	17 53
	6	06 13	17 52	06 14	17 51	06 15	17 50	06 17	17 48	06 18	17 47	06 19	17 46
	11	06 16	17 46	06 18	17 44	06 19	17 43	06 21	17 41	06 22	17 40	06 24	17 38
	16	06 19	17 40	06 21	17 38	06 23	17 37	06 25	17 35	06 27	17 32	06 29	17 30
	21	06 22	17 35	06 24	17 33	06 27	17 30	06 29	17 28	06 32	17 25	06 34	17 23
	26	06 25	17 30	06 28	17 28	06 31	17 25	06 33	17 22	06 36	17 19	06 39	17 16
May	1	06 28	17 26	06 31	17 23	06 34	17 20	06 38	17 16	06 41	17 13	06 44	17 10
	6	06 32	17 21	06 35	17 18	06 38	17 15	06 42	17 11	06 45	17 08	06 49	17 04
	11	06 35	17 18	06 39	17 14	06 42	17 11	06 46	17 07	06 50	17 02	06 54	16 58
	16	06 38	17 15	06 42	17 11	06 46	17 07	06 50	17 03	06 54	16 58	06 59	16 54
	21	06 41	17 12	06 45	17 08	06 49	17 04	06 53	17 00	06 58	16 55	07 03	16 50
	26	06 44	17 10	06 48	17 06	06 53	17 01	06 57	16 56	07 02	16 51	07 07	16 46
	31	06 47	17 08	06 51	17 04	06 56	16 59	07 01	16 54	07 06	16 49	07 11	16 44
June	5	06 49	17 07	06 54	17 03	06 59	16 58	07 04	16 53	07 09	16 48	07 15	16 42
	10	06 52	17 07	06 57	17 02	07 02	16 57	07 07	16 52	07 12	16 47	07 18	16 41
	15	06 54	17 07	06 59	17 02	07 04	16 57	07 09	16 52	07 14	16 47	07 20	16 41
	20	06 55	17 08	07 00	17 03	07 05	16 58	07 10	16 52	07 15	16 47	07 21	16 41
	25	06 56	17 09	07 01	17 04	07 06	16 59	07 11	16 54	07 17	16 48	07 23	16 42
	30	06 56	17 11	07 01	17 06	07 06	17 01	07 12	16 56	07 17	16 50	07 22	16 44
July	5	06 56	17 13	07 01	17 08	07 06	17 03	07 11	16 58	07 16	16 53	07 22	16 47
	10	06 56	17 15	07 00	17 10	07 05	17 05	07 10	17 00	07 15	16 55	07 21	16 50
	15	06 54	17 18	06 59	17 13	07 04	17 08	07 09	17 03	07 14	16 58	07 19	16 53
	20	06 53	17 20	06 57	17 16	07 01	17 12	07 06	17 07	07 11	17 02	07 16	16 57
	25	06 50	17 23	06 54	17 19	06 58	17 15	07 02	17 11	07 07	17 06	07 12	17 01
	30	06 47	17 26	06 51	17 22	06 55	17 19	06 59	17 15	07 04	17 10	07 08	17 06
Aug.	4	06 44	17 29	06 48	17 25	06 51	17 22	06 55	17 18	06 59	17 14	07 03	17 10
	9	06 40	17 32	06 43	17 29	06 46	17 26	06 50	17 22	06 53	17 19	06 57	17 15
	14	06 35	17 35	06 38	17 32	06 41	17 29	06 44	17 26	06 47	17 23	06 51	17 20
	19	06 30	17 38	06 33	17 35	06 36	17 32	06 38	17 30	06 41	17 27	06 44	17 24
	24	06 25	17 40	06 27	17 38	06 30	17 36	06 32	17 34	06 35	17 31	06 37	17 29
	29	06 20	17 43	06 22	17 41	06 23	17 40	06 25	17 38	06 27	17 36	06 29	17 34
Sept.	3	06 14	17 46	06 16	17 44	06 17	17 43	06 19	17 41	06 20	17 40	06 22	17 38
	8	06 08	17 48	06 09	17 47	06 10	17 46	06 11	17 45	06 12	17 44	06 13	17 43
	13	06 02	17 51	06 03	17 50	06 04	17 49	06 04	17 49	06 05	17 48	06 06	17 47
	18	05 55	17 54	05 55	17 54	05 56	17 53	05 56	17 53	05 57	17 52	05 57	17 52
	23	05 49	17 56	05 49	17 56	05 49	17 57	05 49	17 57	05 49	17 57	05 49	17 57
	28	05 43	17 59	05 43	17 59	05 42	18 00	05 42	18 00	05 41	18 01	05 41	18 02
Oct.	3	05 37	18 02	05 36	18 03	05 35	18 04	05 35	18 05	05 34	18 06	05 33	18 07
	8	05 31	18 05	05 30	18 06	05 29	18 07	05 27	18 09	05 26	18 10	05 24	18 12
	13	05 25	18 08	05 23	18 10	05 22	18 11	05 20	18 13	05 19	18 15	05 17	18 17
	18	05 20	18 11	05 18	18 13	05 16	18 15	05 14	18 17	05 11	18 20	05 09	18 22
	23	05 14	18 15	05 12	18 17	05 09	18 20	05 07	18 22	05 04	18 25	05 02	18 28
	28	05 10	18 19	05 07	18 21	05 04	18 24	05 01	18 27	04 58	18 30	04 55	18 33
Nov.	2	05 05	18 23	05 02	18 26	04 59	18 29	04 55	18 32	04 52	18 35	04 49	18 39
	7	05 01	18 26	04 58	18 30	04 55	18 33	04 51	18 37	04 47	18 41	04 43	18 45
	12	04 58	18 31	04 54	18 35	04 51	18 38	04 47	18 42	04 42	18 47	04 38	18 51
	17	04 55	18 35	04 51	18 39	04 47	18 43	04 43	18 47	04 38	18 52	04 34	18 57
	22	04 53	18 39	04 49	18 43	04 44	18 48	04 40	18 52	04 35	18 57	04 30	19 02
	27	04 52	18 43	04 47	18 48	04 42	18 53	04 37	18 58	04 32	19 03	04 27	19 08
Dec.	2	04 51	18 47	04 46	18 52	04 41	18 57	04 36	19 02	04 31	19 07	04 25	19 13
	7	04 51	18 51	04 46	18 56	04 41	19 01	04 36	19 07	04 31	19 12	04 25	19 18
	12	04 52	18 55	04 47	19 00	04 42	19 05	04 36	19 11	04 31	19 16	04 25	19 22
	17	04 54	18 58	04 49	19 03	04 44	19 08	04 38	19 14	04 32	19 20	04 26	19 26
	22	04 56	19 01	04 51	19 06	04 46	19 11	04 40	19 17	04 34	19 23	04 28	19 29
	27	04 58	19 03	04 53	19 08	04 48	19 13	04 42	19 19	04 36	19 25	04 30	19 31
Jan.	1	05 02	19 04	04 57	19 09	04 52	19 14	04 46	19 20	04 40	19 26	04 34	19 32

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 4.-SUNRISE AND SUNSET, 1983

Date		42° S		44° S		46° S		48° S		50° S		52° S	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	04 27	19 39	04 20	19 46	04 13	19 53	04 04	20 02	03 55	20 11	03 44	20 22
	6	04 32	19 39	04 25	19 46	04 17	19 53	04 08	20 02	04 00	20 10	03 50	20 21
	11	04 37	19 38	04 30	19 45	04 23	19 52	04 15	20 00	04 07	20 08	03 57	20 18
	16	04 43	19 36	04 36	19 42	04 29	19 49	04 22	19 56	04 14	20 04	04 05	20 14
	21	04 49	19 33	04 43	19 39	04 36	19 46	04 29	19 53	04 22	20 00	04 13	20 08
	26	04 55	19 29	04 50	19 34	04 44	19 40	04 37	19 47	04 30	19 54	04 22	20 02
	31	05 02	19 24	04 57	19 29	04 51	19 35	04 45	19 41	04 39	19 47	04 31	19 54
Feb.	5	05 09	19 19	05 04	19 24	04 59	19 29	04 53	19 34	04 47	19 39	04 41	19 46
	10	05 15	19 13	05 11	19 17	05 06	19 21	05 01	19 26	04 56	19 31	04 51	19 37
	15	05 21	19 06	05 18	19 09	05 14	19 13	05 09	19 18	05 05	19 22	05 00	19 27
	20	05 28	18 59	05 25	19 02	05 21	19 05	05 18	19 09	05 14	19 13	05 09	19 17
	25	05 34	18 51	05 31	18 54	05 29	18 57	05 26	19 00	05 23	19 03	05 19	19 06
Mar.	2	05 41	18 43	05 38	18 45	05 36	18 47	05 33	18 50	05 31	18 52	05 28	18 55
	7	05 46	18 36	05 45	18 37	05 43	18 39	05 41	18 40	05 39	18 42	05 37	18 44
	12	05 53	18 27	05 52	18 28	05 50	18 29	05 49	18 30	05 48	18 31	05 46	18 33
	17	05 58	18 18	05 57	18 19	05 57	18 19	05 56	18 20	05 56	18 21	05 55	18 21
	22	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10	06 04	18 10
	27	06 09	18 01	06 10	18 00	06 10	18 00	06 11	17 59	06 12	17 59	06 12	17 58
Apr.	1	06 15	17 52	06 16	17 51	06 17	17 50	06 18	17 49	06 19	17 48	06 21	17 47
	6	06 21	17 44	06 22	17 43	06 24	17 41	06 25	17 39	06 27	17 37	06 29	17 35
	11	06 26	17 36	06 28	17 34	06 30	17 32	06 33	17 29	06 35	17 27	06 38	17 24
	16	06 32	17 28	06 35	17 25	06 37	17 23	06 40	17 20	06 43	17 17	06 46	17 13
	21	06 37	17 20	06 40	17 17	06 43	17 14	06 46	17 11	06 50	17 07	06 54	17 03
	26	06 43	17 13	06 46	17 10	06 50	17 06	06 54	17 01	06 58	16 57	07 03	16 52
May	1	06 48	17 06	06 52	17 02	06 56	16 58	07 01	16 53	07 05	16 48	07 11	16 43
	6	06 53	17 00	06 58	16 55	07 03	16 50	07 08	16 45	07 13	16 40	07 19	16 34
	11	06 59	16 54	07 04	16 49	07 09	16 44	07 14	16 38	07 20	16 32	07 27	16 25
	16	07 04	16 49	07 09	16 44	07 14	16 38	07 21	16 31	07 27	16 25	07 34	16 18
	21	07 09	16 44	07 14	16 39	07 20	16 33	07 27	16 26	07 34	16 19	07 41	16 11
	26	07 13	16 40	07 19	16 35	07 26	16 28	07 33	16 21	07 40	16 14	07 48	16 05
	31	07 17	16 38	07 23	16 31	07 30	16 24	07 37	16 17	07 45	16 10	07 54	16 01
June	5	07 21	16 36	07 28	16 29	07 35	16 22	07 42	16 14	07 50	16 06	08 00	15 57
	10	07 24	16 35	07 31	16 28	07 38	16 21	07 46	16 12	07 54	16 04	08 04	15 55
	15	07 27	16 34	07 34	16 27	07 41	16 20	07 49	16 11	07 57	16 03	08 07	15 54
	20	07 28	16 34	07 35	16 27	07 42	16 20	07 51	16 12	07 59	16 04	08 09	15 54
	25	07 29	16 36	07 36	16 29	07 43	16 22	07 52	16 13	08 00	16 05	08 10	15 55
	30	07 29	16 38	07 36	16 31	07 43	16 24	07 52	16 15	08 00	16 07	08 10	15 58
July	5	07 29	16 41	07 36	16 34	07 43	16 27	07 51	16 19	07 59	16 11	08 08	16 01
	10	07 27	16 44	07 34	16 37	07 41	16 30	07 48	16 23	07 56	16 15	08 05	16 06
	15	07 25	16 47	07 31	16 41	07 38	16 34	07 45	16 27	07 52	16 20	08 01	16 11
	20	07 22	16 51	07 27	16 46	07 34	16 40	07 41	16 33	07 48	16 26	07 56	16 17
	25	07 18	16 56	07 23	16 51	07 29	16 45	07 36	16 38	07 42	16 31	07 50	16 24
	30	07 13	17 01	07 18	16 56	07 23	16 50	07 30	16 44	07 36	16 38	07 43	16 31
Aug.	4	07 07	17 06	07 12	17 01	07 17	16 56	07 22	16 51	07 28	16 45	07 35	16 38
	9	07 01	17 11	07 05	17 07	07 10	17 02	07 15	16 57	07 20	16 52	07 26	16 46
	14	06 55	17 16	06 58	17 12	07 02	17 08	07 07	17 03	07 11	16 59	07 16	16 54
	19	06 47	17 21	06 50	17 18	06 54	17 14	06 58	17 10	07 02	17 06	07 07	17 02
	24	06 40	17 26	06 43	17 23	06 46	17 20	06 49	17 17	06 52	17 14	06 56	17 10
	29	06 31	17 32	06 34	17 29	06 36	17 27	06 39	17 24	06 42	17 21	06 46	17 18
Sept.	3	06 24	17 36	06 26	17 35	06 28	17 33	06 30	17 30	06 32	17 28	06 35	17 26
	8	06 15	17 42	06 16	17 41	06 18	17 39	06 19	17 38	06 21	17 36	06 23	17 34
	13	06 07	17 46	06 08	17 45	06 08	17 45	06 09	17 44	06 10	17 43	06 12	17 42
	18	05 57	17 52	05 58	17 51	05 58	17 51	05 59	17 50	05 59	17 50	06 00	17 50
	23	05 49	17 57	05 49	17 57	05 49	17 57	05 49	17 58	05 49	17 58	05 48	17 58
	28	05 40	18 02	05 39	18 03	05 39	18 03	05 38	18 04	05 37	18 05	05 37	18 06
Oct.	3	05 32	18 08	05 31	18 09	05 29	18 11	05 28	18 12	05 26	18 13	05 25	18 15
	8	05 22	18 14	05 21	18 15	05 19	18 17	05 18	18 19	05 16	18 21	05 13	18 23
	13	05 15	18 19	05 12	18 21	05 10	18 23	05 07	18 26	05 05	18 29	05 02	18 32
	18	05 07	18 25	05 04	18 28	05 01	18 31	04 58	18 34	04 55	18 37	04 51	18 41
	23	04 59	18 31	04 56	18 34	04 52	18 38	04 48	18 41	04 44	18 45	04 40	18 50
	28	04 51	18 37	04 48	18 40	04 44	18 44	04 39	18 49	04 35	18 54	04 30	18 59
Nov.	2	04 45	18 43	04 40	18 48	04 36	18 52	04 31	18 57	04 26	19 02	04 20	19 08
	7	04 39	18 50	04 34	18 55	04 29	19 00	04 24	19 05	04 18	19 11	04 11	19 17
	12	04 33	18 56	04 28	19 01	04 22	19 07	04 16	19 13	04 10	19 19	04 03	19 26
	17	04 28	19 03	04 23	19 08	04 17	19 14	04 10	19 21	04 03	19 28	03 55	19 36
	22	04 24	19 08	04 18	19 14	04 11	19 21	04 04	19 28	03 57	19 36	03 48	19 44
	27	04 21	19 14	04 15	19 21	04 08	19 28	04 00	19 35	03 52	19 43	03 43	19 53
Dec.	2	04 19	19 20	04 12	19 27	04 05	19 34	03 56	19 42	03 48	19 50	03 39	20 00
	7	04 18	19 25	04 11	19 32	04 03	19 39	03 54	19 48	03 46	19 57	03 36	20 07
	12	04 18	19 29	04 11	19 36	04 03	19 44	03 54	19 53	03 45	20 02	03 34	20 13
	17	04 19	19 33	04 12	19 40	04 03	19 48	03 54	19 57	03 45	20 06	03 34	20 17
	22	04 21	19 36	04 14	19 43	04 05	19 51	03 56	20 00	03 47	20 09	03 36	20 20
	27	04 23	19 38	04 16	19 45	04 08	19 53	03 59	20 02	03 50	20 11	03 39	20 22
Jan.	1	04 27	19 39	04 20	19 46	04 12	19 54	04 03	20 03	03 54	20 12	03 44	20 22

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 4.-SUNRISE AND SUNSET, 1983

Date		54° S		56° S		58° S		60° S	
		Rise	Set	Rise	Set	Rise	Set	Rise	Set
		h m	h m	h m	h m	h m	h m	h m	h m
Jan.	1	03 32	20 34	03 18	20 48	03 02	21 04	02 42	21 24
	6	03 38	20 32	03 25	20 46	03 09	21 01	02 50	21 20
	11	03 46	20 29	03 33	20 41	03 18	20 56	03 01	21 13
	16	03 54	20 24	03 42	20 36	03 28	20 49	03 12	21 05
	21	04 03	20 18	03 52	20 29	03 39	20 41	03 25	20 56
	26	04 13	20 10	04 03	20 20	03 52	20 32	03 38	20 45
	31	04 23	20 02	04 14	20 11	04 04	20 21	03 52	20 33
Feb.	5	04 34	19 53	04 25	20 01	04 16	20 10	04 05	20 21
	10	04 44	19 43	04 37	19 50	04 29	19 58	04 19	20 08
	15	04 54	19 33	04 48	19 39	04 41	19 46	04 33	19 54
	20	05 05	19 22	04 59	19 27	04 53	19 33	04 46	19 40
	25	05 15	19 10	05 10	19 14	05 05	19 19	05 00	19 25
Mar.	2	05 25	18 58	05 22	19 02	05 18	19 06	05 13	19 10
	7	05 35	18 47	05 32	18 49	05 29	18 52	05 26	18 56
	12	05 44	18 34	05 43	18 36	05 41	18 38	05 38	18 40
	17	05 54	18 22	05 53	18 23	05 52	18 24	05 50	18 25
	22	06 04	18 10	06 04	18 10	06 03	18 10	06 03	18 10
	27	06 13	17 57	06 14	17 57	06 14	17 56	06 15	17 55
Apr.	1	06 22	17 45	06 24	17 43	06 25	17 42	06 27	17 40
	6	06 32	17 33	06 34	17 31	06 37	17 28	06 39	17 25
	11	06 41	17 21	06 44	17 18	06 47	17 14	06 51	17 10
	16	06 50	17 09	06 54	17 05	06 59	17 01	07 04	16 55
	21	06 59	16 58	07 04	16 53	07 09	16 48	07 15	16 42
	26	07 08	16 47	07 14	16 41	07 20	16 35	07 27	16 27
May	1	07 17	16 37	07 23	16 30	07 31	16 23	07 39	16 14
	6	07 26	16 27	07 33	16 19	07 42	16 11	07 51	16 01
	11	07 34	16 18	07 43	16 10	07 52	16 00	08 03	15 49
	16	07 42	16 10	07 52	16 01	08 02	15 50	08 14	15 38
	21	07 50	16 02	08 00	15 52	08 11	15 41	08 24	15 28
	26	07 58	15 56	08 08	15 45	08 20	15 33	08 34	15 19
	31	08 04	15 51	08 15	15 39	08 28	15 26	08 44	15 11
June	5	08 10	15 47	08 22	15 35	08 35	15 21	08 52	15 05
	10	08 15	15 44	08 27	15 32	08 41	15 17	08 58	15 01
	15	08 18	15 43	08 31	15 30	08 45	15 15	09 03	14 58
	20	08 20	15 43	08 33	15 30	08 48	15 15	09 05	14 58
	25	08 21	15 44	08 34	15 31	08 48	15 17	09 06	14 59
	30	08 21	15 47	08 33	15 34	08 48	15 20	09 05	15 03
July	5	08 19	15 51	08 31	15 39	08 45	15 25	09 01	15 08
	10	08 15	15 55	08 27	15 44	08 41	15 30	08 56	15 15
	15	08 11	16 01	08 22	15 50	08 35	15 38	08 49	15 23
	20	08 05	16 08	08 15	15 58	08 27	15 46	08 41	15 32
	25	07 58	16 15	08 08	16 06	08 19	15 55	08 32	15 42
	30	07 51	16 23	07 59	16 14	08 10	16 04	08 21	15 53
Aug.	4	07 42	16 31	07 50	16 23	07 59	16 14	08 10	16 04
	9	07 32	16 40	07 40	16 32	07 48	16 24	07 57	16 15
	14	07 22	16 48	07 29	16 42	07 36	16 35	07 44	16 27
	19	07 12	16 57	07 17	16 51	07 23	16 45	07 30	16 38
	24	07 00	17 05	07 05	17 01	07 10	16 56	07 16	16 50
	29	06 49	17 14	06 53	17 10	06 57	17 06	07 02	17 01
Sept.	3	06 38	17 23	06 41	17 20	06 44	17 16	06 48	17 13
	8	06 25	17 32	06 27	17 30	06 30	17 27	06 32	17 25
	13	06 13	17 40	06 14	17 39	06 16	17 38	06 18	17 36
	18	06 00	17 49	06 01	17 49	06 02	17 48	06 02	17 48
	23	05 48	17 58	05 48	17 58	05 48	17 59	05 48	17 59
	28	05 36	18 07	05 35	18 08	05 33	18 10	05 32	18 11
Oct.	3	05 23	18 17	05 21	18 19	05 19	18 21	05 17	18 23
	8	05 11	18 26	05 08	18 29	05 06	18 32	05 02	18 35
	13	04 59	18 35	04 55	18 39	04 51	18 43	04 47	18 48
	18	04 47	18 45	04 43	18 49	04 38	18 54	04 32	19 00
	23	04 35	18 55	04 30	19 00	04 24	19 06	04 17	19 13
	28	04 24	19 04	04 18	19 11	04 11	19 18	04 03	19 26
Nov.	2	04 14	19 15	04 06	19 22	03 58	19 30	03 49	19 40
	7	04 04	19 25	03 56	19 33	03 47	19 42	03 36	19 53
	12	03 55	19 35	03 46	19 44	03 35	19 54	03 23	20 07
	17	03 46	19 45	03 36	19 55	03 25	20 06	03 11	20 20
	22	03 39	19 54	03 28	20 05	03 15	20 18	03 01	20 33
	27	03 33	20 03	03 21	20 15	03 07	20 29	02 51	20 45
Dec.	2	03 28	20 11	03 15	20 24	03 00	20 39	02 43	20 56
	7	03 24	20 19	03 11	20 32	02 56	20 47	02 37	21 06
	12	03 22	20 25	03 09	20 39	02 52	20 55	02 33	21 15
	17	03 22	20 29	03 08	20 44	02 51	21 00	02 31	21 21
	22	03 24	20 33	03 10	20 47	02 53	21 04	02 32	21 24
	27	03 27	20 34	03 13	20 49	02 56	21 05	02 35	21 25
Jan.	1	03 32	20 34	03 18	20 48	03 01	21 04	02 42	21 24

Local mean time. To obtain standard time of rise or set, see table 5.

TABLE 5.—REDUCTION OF LOCAL MEAN TIME TO STANDARD TIME

Difference of longitude between local and standard meridian	Correction to local mean time to obtain standard time	Difference of longitude between local and standard meridian	Correction to local mean time to obtain standard time	Difference of longitude between local and standard meridian	Correction to local mean time to obtain standard time
° ′ ° ′	*Minutes*	° ′ ° ′	*Minutes*	°	*Hours*
0 00 to 0 07	0	7 23 to 7 37	30	15	1
0 08 to 0 22	1	7 38 to 7 52	31	30	2
0 23 to 0 37	2	7 53 to 8 07	32	45	3
0 38 to 0 52	3	8 08 to 8 22	33	60	4
0 53 to 1 07	4	8 23 to 8 37	34	75	5
1 08 to 1 22	5	8 38 to 8 52	35	90	6
1 23 to 1 37	6	8 53 to 9 07	36	105	7
1 38 to 1 52	7	9 08 to 9 22	37	120	8
1 53 to 2 07	8	9 23 to 9 37	38	135	9
2 08 to 2 22	9	9 38 to 9 52	39	150	10
2 23 to 2 37	10	9 53 to 10 07	40	165	11
2 38 to 2 52	11	10 08 to 10 22	41	180	12
2 53 to 3 07	12	10 23 to 10 37	42		
3 08 to 3 22	13	10 38 to 10 52	43		
3 23 to 3 37	14	10 53 to 11 07	44		
3 38 to 3 52	15	11 08 to 11 22	45		
3 53 to 4 07	16	11 23 to 11 37	46		
4 08 to 4 22	17	11 38 to 11 52	47		
4 23 to 4 37	18	11 53 to 12 07	48		
4 38 to 4 52	19	12 08 to 12 22	49		
4 53 to 5 07	20	12 23 to 12 37	50		
5 08 to 5 22	21	12 38 to 12 52	51		
5 23 to 5 37	22	12 53 to 13 07	52		
5 38 to 5 52	23	13 08 to 13 22	53		
5 53 to 6 07	24	13 23 to 13 37	54		
6 08 to 6 22	25	13 38 to 13 52	55		
6 23 to 6 37	26	13 53 to 14 07	56		
6 38 to 6 52	27	14 08 to 14 22	57		
6 53 to 7 07	28	14 23 to 14 37	58		
7 08 to 7 22	29	14 38 to 14 52	59		

If local meridian is east of standard meridian, subtract the correction from local time.

If local meridian is west of standard meridian, add the correction to local time.

For differences of longitude less than 15°, use the first part of the table. For greater differences use both parts thus: 47°23′ is equivalent to 45°+2°23′, the correction for 45° is 3 hours, the correction for 2°23′ is 10 minutes, therefore the total correction for the difference in longitude 47°23′ is 3 hours and 10 minutes.

TABLE 6.—MOONRISE AND MOONSET

EXPLANATION OF TABLE

This table gives the time of rising and setting of the Moon's upper limb for every day in the year, at each of the following places:

Boston, Mass.	Charleston, S.C.
New York, N.Y.	Savannah, Ga.
Baltimore, Md.	Galveston, Tex.
Washington, D.C.	Panama Canal

All of table 6 was supplied by the Nautical Almanac Office of the United States Naval Observatory. Since Baltimore, Md., and Washington, D.C., are comparatively near to each other, a single table was compiled for a point midway between the two cities. The difference in time of moonrise and moonset at the point selected and at either city may vary between 0 and 2 minutes. In a similar way a single table was made for Charleston, S.C., and Savannah, Ga.; and the difference in time of moonrise or moonset at the point selected and at either city may vary between 0 and 4 minutes, which differences are of no practical importance in this table. For the Panama Canal the times were computed for a point about midway between the two ends and are applicable to the entire canal without the error exceeding a minute or two.

TABLE 6-MOONRISE AND MOONSET, 1983

BOSTON, MASS.

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
1	1907	0915	2139	0930	2026	0754	2238	0746	2322	0736	....	0904	1
2	2023	0958	2247	0957	2136	0822	2340	0820	....	0825	0000	1004	2
3	2137	1033	2354	1023	2244	0849	....	0900	0011	0918	0028	1105	3
4	2247	1103	....	1050	2349	0918	0038	0945	0052	1016	0053	1207	4
5	2355	1130	0058	1120	....	0950	0130	1035	0128	1116	0117	1309	5
6	....	1156	0201	1152	0052	1026	0215	1130	0159	1217	0141	1414	6
7	0100	1221	0301	1229	0151	1107	0254	1229	0226	1319	0205	1521	7
8	0204	1248	0358	1311	0246	1153	0328	1329	0251	1422	0232	1631	8
9	0307	1318	0451	1400	0335	1245	0357	1431	0315	1526	0302	1744	9
10	0408	1352	0537	1453	0417	1341	0424	1534	0339	1633	0340	1858	10
11	0508	1430	0618	1550	0455	1441	0449	1638	0405	1742	0425	2009	11
12	0603	1515	0654	1650	0527	1542	0513	1743	0434	1853	0521	2114	12
13	0654	1604	0725	1751	0555	1644	0538	1850	0507	2006	0627	2209	13
14	0739	1659	0752	1853	0621	1747	0604	1959	0547	2118	0740	2254	14
15	0818	1757	0817	1956	0646	1851	0635	2110	0636	2226	0856	2330	15
16	0852	1857	0842	2058	0710	1955	0710	2221	0735	2324	1011	....	16
17	0922	1958	0906	2203	0735	2102	0752	2330	0842	....	1123	0001	17
18	0948	2100	0932	2309	0802	2210	0844	....	0954	0013	1234	0029	18
19	1013	2202	1000	....	0834	2319	0944	0032	1108	0054	1342	0055	19
20	1037	2305	1033	0017	0911	....	1052	0127	1221	0128	1449	0120	20
21	1102	....	1113	0127	0955	0029	1204	0213	1332	0157	1556	0146	21
22	1129	0011	1201	0237	1049	0135	1318	0251	1442	0224	1701	0215	22
23	1200	0119	1300	0344	1152	0236	1431	0324	1550	0249	1805	0248	23
24	1236	0230	1409	0444	1303	0328	1543	0353	1658	0315	1904	0326	24
25	1321	0343	1524	0535	1418	0413	1654	0420	1806	0343	1959	0410	25
26	1416	0455	1642	0618	1534	0450	1804	0446	1912	0414	2046	0500	26
27	1522	0602	1800	0654	1649	0523	1913	0513	2015	0449	2126	0555	27
28	1637	0659	1914	0726	1802	0552	2020	0543	2113	0529	2201	0654	28
29	1755	0747	....	....	1914	0619	2126	0615	2205	0616	2230	0754	29
30	1912	0827	....	....	2024	0646	2227	0653	2249	0708	2256	0855	30
31	2027	0900	....	....	2132	0715	....	....	2327	0804	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
1	2320	0955	2258	1155	2329	1417	....	1502	0205	1521	0329	1443	1
2	2343	1057	2328	1302	....	1521	0033	1545	0319	1548	0440	1512	2
3	....	1159	....	1412	0029	1619	0150	1621	0433	1614	0550	1544	3
4	0006	1303	0004	1523	0139	1709	0308	1653	0546	1642	0659	1622	4
5	0031	1410	0048	1633	0256	1750	0425	1721	0658	1713	0804	1706	5
6	0059	1520	0144	1737	0416	1825	0541	1748	0809	1748	0903	1757	6
7	0132	1633	0251	1833	0535	1855	0656	1816	0917	1829	0954	1854	7
8	0213	1746	0406	1919	0653	1923	0809	1845	1019	1916	1036	1954	8
9	0304	1855	0526	1957	0807	1951	0921	1918	1114	2010	1111	2055	9
10	0406	1956	0646	2030	0920	2019	1029	1955	1200	2107	1141	2156	10
11	0517	2046	0803	2059	1031	2049	1134	2039	1239	2207	1206	2257	11
12	0635	2128	0917	2125	1139	2123	1231	2128	1312	2308	1230	2358	12
13	0753	2202	1029	2152	1244	2202	1322	2222	1339	....	1251	....	13
14	0909	2232	1138	2220	1344	2247	1404	2320	1404	0010	1313	0059	14
15	1023	2258	1246	2251	1438	2337	1440	....	1427	0111	1336	0202	15
16	1133	2324	1351	2326	1525	....	1510	0020	1449	0213	1401	0307	16
17	1241	2350	1453	....	1605	0032	1537	0122	1511	0315	1431	0415	17
18	1348	....	1550	0006	1638	0131	1601	0223	1535	0420	1508	0526	18
19	1454	0019	1641	0052	1707	0231	1623	0325	1603	0527	1553	0638	19
20	1558	0050	1726	0143	1733	0333	1646	0427	1636	0637	1649	0747	20
21	1658	0126	1803	0240	1756	0434	1709	0530	1716	0748	1756	0849	21
22	1754	0208	1836	0339	1819	0535	1734	0635	1805	0858	1910	0942	22
23	1843	0256	1904	0440	1841	0637	1803	0743	1904	1002	2027	1025	23
24	1926	0349	1929	0541	1905	0741	1838	0852	2011	1059	2143	1100	24
25	2002	0446	1952	0642	1931	0845	1920	1001	2124	1146	2257	1130	25
26	2033	0546	2014	0743	2001	0952	2011	1108	2239	1225	....	1156	26
27	2100	0647	2037	0844	2038	1100	2112	1208	2353	1257	0009	1222	27
28	2124	0747	2101	0947	2122	1208	2221	1301	....	1325	0119	1247	28
29	2147	0848	2128	1052	2217	1313	2334	1345	0106	1352	0229	1314	29
30	2209	0949	2201	1159	2321	1412	....	1422	0218	1417	0338	1344	30
31	2233	1051	2240	1308	....	....	0049	1453	....	....	0447	1420	31

Time meridian 75° W. 0000 is midnight. 1200 is noon.

TABLE 6-MOONRISE AND MOONSET, 1983

NEW YORK, N.Y.

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	1924	0923	2151	0941	2038	0806	2245	0802	2328	0754	....	0920	1
2	2039	1006	2259	1009	2147	0835	2347	0837	....	0843	0008	1020	2
3	2151	1042	....	1037	2253	0903	....	0917	0017	0936	0037	1120	3
4	2301	1113	0004	1105	2357	0933	0044	1003	0059	1033	0103	1221	4
5	....	1142	0107	1135	....	1006	0136	1053	0135	1132	0128	1322	5
6	0007	1208	0209	1209	0059	1043	0222	1148	0207	1233	0153	1425	6
7	0111	1235	0308	1246	0158	1124	0301	1246	0235	1334	0218	1531	7
8	0214	1303	0405	1329	0252	1211	0336	1346	0301	1435	0246	1640	8
9	0315	1334	0457	1418	0341	1303	0406	1446	0326	1539	0318	1752	9
10	0416	1409	0544	1511	0424	1359	0434	1548	0352	1644	0356	1905	10
11	0514	1448	0625	1607	0502	1457	0500	1651	0419	1752	0443	2016	11
12	0610	1532	0701	1707	0535	1558	0525	1755	0448	1902	0539	2120	12
13	0700	1622	0733	1807	0604	1659	0551	1901	0523	2014	0645	2215	13
14	0746	1717	0802	1908	0631	1801	0619	2009	0605	2125	0758	2301	14
15	0825	1814	0828	2009	0657	1903	0650	2118	0654	2232	0912	2339	15
16	0900	1913	0853	2111	0722	2007	0726	2228	0753	2331	1026	....	16
17	0930	2013	0919	2214	0749	2112	0810	2336	0900	....	1137	0011	17
18	0958	2114	0945	2319	0817	2219	0902	....	1012	0020	1246	0040	18
19	1024	2215	1015	....	0849	2327	1002	0039	1124	0102	1353	0107	19
20	1049	2317	1049	0026	0927	....	1109	0133	1236	0137	1459	0133	20
21	1115	....	1130	0135	1013	0036	1221	0220	1346	0207	1605	0201	21
22	1143	0021	1219	0244	1107	0142	1334	0300	1454	0235	1709	0231	22
23	1215	0128	1318	0350	1210	0242	1446	0333	1601	0302	1812	0305	23
24	1253	0238	1427	0450	1321	0335	1556	0403	1708	0329	1911	0344	24
25	1338	0350	1541	0542	1435	0421	1706	0432	1814	0358	2005	0428	25
26	1434	0502	1658	0626	1549	0459	1814	0459	1919	0430	2052	0519	26
27	1540	0608	1814	0704	1703	0533	1922	0528	2021	0506	2133	0613	27
28	1654	0706	1927	0736	1815	0603	2029	0558	2119	0547	2208	0711	28
29	1811	0755	....	....	1925	0632	2133	0632	2211	0634	2239	0810	29
30	1928	0836	....	....	2033	0700	2233	0710	2256	0726	2306	0910	30
31	2041	0910	....	....	2140	0730	....	....	2334	0822	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2331	1010	2313	1205	2347	1423	....	1509	0219	1532	0339	1457	1
2	2355	1110	2344	1311	....	1528	0051	1553	0332	1600	0449	1527	2
3	....	1211	....	1420	0047	1626	0206	1630	0444	1628	0558	1601	3
4	0019	1314	0021	1530	0157	1716	0323	1703	0556	1657	0706	1640	4
5	0045	1419	0106	1639	0313	1758	0439	1732	0707	1729	0811	1725	5
6	0114	1528	0202	1743	0432	1834	0553	1801	0817	1805	0909	1816	6
7	0148	1640	0309	1840	0550	1906	0707	1830	0924	1847	1000	1912	7
8	0230	1752	0424	1927	0705	1936	0819	1901	1025	1935	1043	2011	8
9	0322	1901	0542	2006	0819	2004	0929	1935	1120	2028	1119	2112	9
10	0424	2002	0701	2040	0930	2034	1037	2013	1207	2125	1149	2212	10
11	0535	2053	0817	2110	1040	2105	1140	2057	1246	2225	1216	2312	11
12	0652	2136	0929	2138	1147	2140	1237	2146	1319	2325	1240	....	12
13	0809	2211	1040	2206	1251	2220	1328	2240	1348	....	1303	0011	13
14	0924	2242	1148	2235	1351	2305	1411	2338	1414	0025	1325	0111	14
15	1036	2310	1254	2307	1444	2355	1447	....	1437	0125	1349	0213	15
16	1145	2337	1358	2343	1531	....	1518	0037	1501	0225	1416	0317	16
17	1252	....	1459	....	1611	0050	1546	0137	1524	0327	1447	0424	17
18	1358	0005	1556	0024	1646	0148	1611	0238	1550	0430	1525	0534	18
19	1502	0034	1647	0110	1716	0248	1634	0338	1618	0536	1611	0645	19
20	1605	0107	1732	0202	1742	0348	1658	0439	1652	0645	1708	0753	20
21	1705	0143	1810	0258	1807	0448	1722	0542	1733	0755	1814	0855	21
22	1800	0226	1844	0356	1830	0549	1749	0646	1823	0904	1928	0948	22
23	1849	0314	1912	0456	1854	0649	1819	0752	1922	1008	2043	1032	23
24	1932	0407	1938	0556	1919	0751	1855	0900	2029	1105	2158	1109	24
25	2009	0504	2002	0656	1946	0855	1938	1008	2141	1153	2311	1140	25
26	2041	0603	2026	0755	2018	1000	2029	1114	2255	1233	....	1208	26
27	2109	0702	2050	0856	2055	1107	2130	1214	....	1306	0021	1234	27
28	2134	0802	2115	0958	2140	1214	2238	1307	0008	1336	0130	1301	28
29	2158	0902	2144	1101	2235	1319	2351	1352	0119	1403	0239	1329	29
30	2222	1002	2217	1207	2339	1418	....	1430	0229	1430	0347	1401	30
31	2246	1103	2258	1315	....	....	0105	1503	....	....	0454	1437	31

Time meridian 75° W. 0000 is midnight. 1200 is noon.

TABLE 6-MOONRISE AND MOONSET, 1983

BALTIMORE, MD. AND WASHINGTON, D.C.

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	1940	0930	2203	0952	2050	0818	2253	0817	2334	0811	....	0937	1
2	2054	1014	2310	1021	2157	0847	2354	0853	....	0900	0015	1035	2
3	2205	1052	....	1050	2302	0917	....	0934	0023	0954	0045	1135	3
4	2313	1124	0014	1119	....	0948	0051	1020	0106	1050	0113	1234	4
5	....	1153	0116	1150	0006	1022	0142	1110	0143	1148	0139	1335	5
6	0018	1221	0217	1225	0107	1059	0228	1205	0215	1248	0204	1437	6
7	0121	1249	0315	1303	0205	1141	0308	1302	0244	1348	0231	1541	7
8	0223	1318	0411	1346	0258	1228	0343	1401	0311	1448	0300	1649	8
9	0324	1349	0503	1435	0347	1320	0415	1501	0337	1550	0333	1800	9
10	0423	1425	0550	1528	0431	1415	0443	1602	0404	1654	0412	1912	10
11	0521	1505	0632	1624	0509	1513	0510	1703	0432	1801	0500	2022	11
12	0616	1550	0709	1722	0543	1613	0536	1806	0503	1910	0557	2126	12
13	0707	1639	0741	1822	0613	1713	0603	1911	0539	2021	0703	2222	13
14	0752	1734	0811	1921	0641	1814	0632	2018	0621	2132	0814	2309	14
15	0832	1830	0838	2021	0708	1915	0705	2126	0712	2238	0928	2348	15
16	0908	1929	0904	2122	0734	2018	0742	2235	0811	2337	1041	....	16
17	0939	2028	0931	2224	0802	2122	0827	2343	0917	....	1151	0021	17
18	1008	2127	0959	2328	0831	2227	0919	....	1028	0027	1258	0051	18
19	1034	2227	1029	....	0905	2335	1019	0045	1139	0110	1404	0119	19
20	1101	2328	1104	0034	0943	....	1126	0140	1250	0146	1509	0146	20
21	1128	....	1146	0142	1030	0042	1237	0227	1359	0217	1613	0215	21
22	1157	0032	1236	0251	1125	0148	1349	0308	1506	0246	1717	0246	22
23	1230	0138	1336	0357	1228	0248	1459	0343	1612	0314	1818	0321	23
24	1308	0247	1444	0457	1337	0342	1609	0414	1717	0343	1917	0401	24
25	1355	0358	1558	0549	1450	0428	1717	0443	1822	0412	2011	0446	25
26	1451	0508	1713	0634	1604	0508	1825	0512	1926	0445	2058	0536	26
27	1557	0614	1828	0713	1716	0542	1931	0541	2028	0522	2140	0630	27
28	1711	0713	1940	0747	1827	0614	2036	0613	2125	0604	2216	0728	28
29	1827	0803	....	....	1936	0644	2140	0648	2217	0651	2247	0826	29
30	1942	0844	....	....	2043	0713	2239	0727	2302	0743	2315	0925	30
31	2054	0920	....	....	2149	0744	....	....	2341	0839	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2341	1023	2327	1215	....	1429	....	1516	0232	1543	0350	1511	1
2	....	1122	2359	1320	0005	1534	0108	1600	0344	1612	0458	1542	2
3	0006	1222	....	1427	0105	1632	0222	1639	0455	1641	0606	1617	3
4	0031	1324	0037	1537	0214	1723	0337	1713	0606	1711	0713	1656	4
5	0058	1429	0123	1645	0329	1806	0452	1744	0716	1744	0817	1742	5
6	0128	1537	0220	1750	0447	1844	0605	1813	0824	1822	0915	1834	6
7	0204	1647	0326	1846	0603	1917	0717	1843	0930	1904	1006	1929	7
8	0247	1759	0441	1934	0718	1947	0828	1915	1031	1952	1049	2028	8
9	0339	1907	0558	2015	0830	2017	0937	1950	1126	2046	1126	2128	9
10	0441	2008	0715	2050	0940	2048	1044	2030	1213	2142	1157	2227	10
11	0552	2101	0830	2121	1049	2120	1146	2114	1253	2241	1225	2326	11
12	0708	2144	0941	2150	1155	2156	1243	2204	1327	2340	1250	....	12
13	0824	2221	1050	2220	1258	2237	1333	2258	1356	....	1314	0024	13
14	0938	2253	1157	2250	1357	2322	1417	2355	1423	0039	1337	0123	14
15	1048	2322	1302	2323	1450	....	1454	....	1448	0139	1403	0224	15
16	1156	2350	1406	2359	1537	0013	1526	0053	1512	0238	1430	0326	16
17	1302	....	1506	....	1618	0107	1555	0153	1537	0338	1503	0432	17
18	1407	0019	1602	0041	1653	0205	1621	0252	1603	0441	1541	0541	18
19	1510	0049	1653	0127	1724	0303	1645	0351	1633	0546	1629	0651	19
20	1612	0122	1738	0219	1752	0403	1710	0451	1708	0653	1726	0759	20
21	1711	0200	1817	0314	1817	0502	1735	0552	1750	0802	1832	0901	21
22	1806	0243	1851	0412	1842	0601	1803	0655	1840	0910	1944	0955	22
23	1855	0331	1921	0511	1906	0701	1834	0800	1940	1014	2059	1040	23
24	1939	0424	1948	0610	1932	0802	1911	0907	2047	1111	2212	1117	24
25	2016	0521	2013	0709	2001	0904	1955	1014	2158	1200	2324	1150	25
26	2049	0619	2037	0808	2033	1009	2047	1120	2310	1240	....	1219	26
27	2118	0718	2102	0907	2111	1115	2148	1220	....	1315	0033	1246	27
28	2144	0816	2129	1008	2158	1221	2255	1314	0022	1346	0141	1314	28
29	2209	0915	2158	1111	2253	1325	....	1359	0132	1414	0248	1344	29
30	2233	1014	2233	1216	2357	1424	0007	1438	0241	1442	0355	1416	30
31	2259	1113	2314	1322	....	....	0120	1512	....	....	0501	1453	31

Time meridian 75° W. 0000 is midnight. 1200 is noon.

TABLE 6-MOONRISE AND MOONSET, 1983

CHARLESTON, S.C. AND SAVANNAH, GA.

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2011	0929	2219	1004	2103	0832	2253	0845	2329	0846	....	1008	1
2	2121	1017	2321	1038	2206	0906	2351	0925	....	0936	0016	1104	2
3	2228	1058	....	1110	2308	0940	....	1008	0019	1028	0050	1159	3
4	2332	1134	0021	1143	....	1014	0046	1055	0103	1123	0121	1255	4
5	....	1207	0120	1218	0007	1052	0138	1145	0142	1218	0150	1352	5
6	0032	1239	0217	1255	0105	1132	0224	1239	0218	1314	0219	1450	6
7	0132	1310	0314	1336	0201	1216	0306	1334	0250	1411	0250	1550	7
8	0229	1343	0408	1421	0254	1303	0344	1430	0321	1508	0323	1654	8
9	0327	1418	0459	1509	0343	1354	0419	1526	0351	1606	0400	1800	9
10	0423	1456	0547	1601	0428	1448	0451	1623	0421	1706	0443	1909	10
11	0519	1538	0630	1656	0508	1544	0521	1721	0453	1808	0534	2018	11
12	0612	1624	0709	1751	0545	1640	0551	1820	0528	1913	0632	2122	12
13	0703	1714	0745	1847	0619	1736	0622	1920	0608	2020	0738	2219	13
14	0749	1807	0817	1944	0650	1833	0655	2023	0654	2128	0847	2309	14
15	0831	1901	0848	2040	0720	1931	0732	2128	0746	2233	0957	2352	15
16	0909	1957	0918	2137	0751	2029	0813	2233	0846	2333	1106	....	16
17	0943	2053	0948	2235	0822	2130	0900	2338	0952	....	1211	0029	17
18	1015	2148	1020	2335	0855	2231	0954	....	1100	0025	1315	0103	18
19	1045	2245	1054	....	0932	2335	1055	0040	1207	0111	1416	0135	19
20	1115	2342	1133	0037	1015	....	1200	0137	1314	0151	1517	0207	20
21	1146	....	1218	0142	1104	0040	1307	0226	1418	0227	1617	0239	21
22	1219	0041	1310	0248	1200	0144	1415	0310	1521	0300	1717	0314	22
23	1256	0143	1410	0352	1302	0244	1522	0349	1622	0332	1816	0352	23
24	1338	0249	1517	0453	1410	0339	1627	0425	1724	0404	1913	0434	24
25	1428	0356	1628	0548	1519	0429	1731	0458	1825	0438	2006	0521	25
26	1526	0505	1740	0637	1628	0512	1834	0531	1926	0514	2054	0611	26
27	1632	0610	1850	0719	1736	0551	1936	0605	2024	0554	2137	0705	27
28	1743	0711	1958	0757	1842	0626	2038	0640	2120	0638	2216	0800	28
29	1856	0803	....	....	1947	0700	2138	0718	2212	0727	2250	0855	29
30	2007	0849	....	....	2050	0734	2236	0800	2258	0819	2321	0951	30
31	2115	0929	....	....	2152	0809	....	....	2340	0913	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2351	1046	2351	1224	....	1425	0032	1513	0254	1554	0359	1534	1
2	....	1141	....	1324	0040	1529	0140	1601	0401	1628	0503	1609	2
3	0019	1237	0026	1428	0141	1628	0251	1643	0507	1701	0607	1647	3
4	0049	1335	0108	1534	0248	1722	0402	1721	0613	1736	0711	1730	4
5	0119	1436	0157	1641	0400	1809	0512	1757	0719	1813	0812	1818	5
6	0154	1540	0255	1745	0514	1850	0620	1831	0824	1854	0909	1910	6
7	0233	1647	0401	1843	0625	1928	0727	1906	0927	1939	1000	2005	7
8	0319	1755	0513	1935	0735	2003	0833	1942	1026	2029	1045	2101	8
9	0414	1902	0627	2019	0842	2037	0938	2021	1120	2122	1125	2158	9
10	0517	2004	0739	2059	0948	2112	1042	2103	1208	2217	1159	2254	10
11	0627	2059	0849	2134	1052	2148	1142	2150	1250	2313	1230	2349	11
12	0739	2146	0956	2208	1155	2228	1238	2240	1327	....	1259	....	12
13	0851	2227	1100	2241	1255	2311	1328	2333	1400	0009	1326	0044	13
14	1000	2303	1203	2316	1352	2358	1413	....	1430	0105	1354	0139	14
15	1106	2337	1305	2352	1445	....	1453	0028	1459	0200	1423	0235	15
16	1209	....	1405	....	1533	0048	1528	0124	1527	0256	1455	0334	16
17	1311	0009	1503	0032	1615	0142	1600	0220	1555	0352	1531	0436	17
18	1412	0042	1557	0115	1653	0237	1629	0316	1626	0450	1614	0541	18
19	1511	0116	1648	0203	1727	0333	1658	0411	1700	0551	1704	0647	19
20	1610	0153	1734	0254	1758	0429	1726	0507	1738	0654	1802	0754	20
21	1707	0233	1816	0348	1827	0524	1755	0604	1824	0800	1908	0856	21
22	1801	0318	1852	0444	1856	0620	1827	0703	1916	0906	2017	0951	22
23	1851	0407	1925	0539	1924	0715	1902	0804	2016	1009	2128	1040	23
24	1936	0459	1956	0635	1954	0812	1942	0907	2122	1106	2237	1121	24
25	2015	0554	2024	0730	2026	0911	2029	1011	2230	1157	2344	1158	25
26	2051	0649	2052	0825	2102	1011	2123	1115	2338	1242	....	1231	26
27	2123	0745	2121	0920	2144	1114	2224	1215	....	1321	0049	1304	27
28	2153	0840	2151	1017	2233	1217	2329	1310	0045	1356	0152	1336	28
29	2221	0935	2225	1116	2329	1320	....	1358	0151	1429	0255	1409	29
30	2250	1030	2303	1217	....	1419	0038	1441	0255	1501	0358	1446	30
31	2319	1126	2347	1321	....	....	0146	1519	....	....	0500	1526	31

Time meridian 75° W. 0000 is midnight. 1200 is noon.

TABLE 6-MOONRISE AND MOONSET, 1983

GALVESTON, TEXAS

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
1	2017	0921	2219	1002	2102	0831	2246	0850	2320	0853	....	1014	1
2	2125	1010	2319	1037	2203	0906	2343	0931	....	0943	0009	1108	2
3	2230	1053	....	1111	2303	0941	....	1015	0009	1035	0044	1203	3
4	2332	1131	0017	1146	....	1018	0037	1102	0054	1129	0116	1257	4
5	....	1205	0115	1222	0001	1056	0128	1153	0134	1224	0147	1352	5
6	0031	1239	0211	1300	0058	1138	0215	1245	0211	1318	0218	1448	6
7	0129	1312	0306	1342	0153	1222	0258	1340	0245	1413	0250	1547	7
8	0225	1346	0359	1428	0245	1310	0337	1434	0317	1509	0325	1649	8
9	0321	1422	0450	1516	0334	1401	0412	1529	0348	1605	0404	1754	9
10	0416	1501	0538	1608	0419	1455	0446	1625	0420	1703	0449	1902	10
11	0511	1544	0622	1702	0500	1549	0518	1721	0454	1804	0541	2009	11
12	0604	1631	0702	1756	0538	1644	0550	1818	0531	1908	0640	2113	12
13	0654	1721	0738	1851	0613	1739	0622	1917	0612	2014	0746	2211	13
14	0740	1813	0812	1946	0646	1835	0657	2018	0700	2120	0854	2302	14
15	0823	1907	0845	2041	0718	1931	0735	2121	0754	2224	1003	2346	15
16	0902	2002	0916	2136	0750	2027	0818	2226	0854	2324	1109	....	16
17	0937	2056	0948	2232	0822	2126	0907	2330	0959	....	1213	0025	17
18	1010	2150	1021	2331	0858	2226	1002	....	1106	0017	1314	0100	18
19	1042	2245	1057	....	0936	2329	1102	0031	1212	0104	1414	0134	19
20	1114	2341	1137	0032	1020	....	1207	0128	1317	0146	1513	0207	20
21	1146	....	1224	0135	1110	0032	1313	0219	1419	0223	1612	0242	21
22	1221	0038	1317	0240	1207	0135	1419	0304	1520	0258	1710	0318	22
23	1259	0139	1418	0344	1310	0236	1524	0344	1620	0331	1808	0358	23
24	1343	0243	1525	0445	1416	0331	1627	0421	1720	0405	1904	0441	24
25	1434	0349	1635	0541	1525	0421	1729	0457	1819	0441	1956	0528	25
26	1534	0457	1745	0630	1632	0506	1830	0531	1918	0519	2045	0619	26
27	1640	0602	1853	0714	1738	0547	1931	0606	2016	0600	2129	0712	27
28	1750	0703	1959	0754	1842	0624	2031	0644	2111	0645	2208	0806	28
29	1901	0756	....	....	1945	0700	2130	0723	2203	0734	2243	0900	29
30	2010	0843	....	....	2046	0735	2227	0806	2249	0826	2316	0954	30
31	2116	0924	....	....	2147	0812	....	....	2331	0920	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
1	2347	1048	2353	1220	....	1417	0040	1504	0257	1551	0356	1535	1
2	....	1142	....	1319	0047	1520	0147	1553	0402	1626	0459	1612	2
3	0017	1236	0030	1421	0149	1619	0257	1637	0506	1702	0601	1653	3
4	0048	1333	0114	1526	0256	1714	0405	1717	0610	1738	0703	1737	4
5	0121	1432	0204	1632	0407	1802	0513	1755	0713	1817	0803	1826	5
6	0157	1534	0303	1736	0518	1846	0619	1831	0817	1900	0859	1918	6
7	0238	1640	0409	1835	0628	1925	0725	1907	0918	1946	0951	2013	7
8	0326	1747	0520	1928	0735	2002	0829	1945	1017	2036	1036	2108	8
9	0421	1854	0633	2014	0841	2038	0932	2026	1110	2130	1117	2204	9
10	0525	1956	0743	2055	0945	2114	1034	2110	1159	2224	1152	2258	10
11	0634	2051	0851	2132	1047	2153	1133	2157	1242	2319	1225	2351	11
12	0745	2140	0955	2208	1148	2233	1228	2248	1320	....	1255	....	12
13	0855	2222	1058	2243	1247	2318	1319	2341	1354	0014	1324	0044	13
14	1002	2300	1159	2319	1343	....	1404	....	1425	0108	1353	0138	14
15	1106	2335	1259	2357	1435	0005	1445	0035	1455	0202	1424	0233	15
16	1208	....	1357	....	1523	0056	1521	0130	1525	0256	1458	0330	16
17	1308	0009	1454	0038	1607	0149	1554	0224	1555	0351	1536	0430	17
18	1407	0044	1548	0122	1645	0243	1625	0318	1627	0447	1620	0534	18
19	1505	0119	1639	0210	1721	0338	1655	0412	1703	0546	1711	0639	19
20	1603	0158	1725	0302	1753	0432	1725	0507	1744	0648	1810	0745	20
21	1659	0239	1807	0355	1824	0526	1756	0602	1830	0752	1916	0847	21
22	1752	0325	1845	0450	1854	0620	1829	0659	1924	0857	2025	0943	22
23	1842	0414	1919	0544	1924	0714	1906	0759	2024	1000	2134	1032	23
24	1927	0506	1951	0638	1955	0810	1948	0900	2129	1057	2241	1115	24
25	2007	0600	2021	0732	2029	0907	2036	1003	2236	1149	2345	1154	25
26	2044	0655	2051	0825	2107	1006	2131	1106	2343	1235	....	1229	26
27	2117	0749	2121	0919	2150	1107	2232	1206	....	1315	0048	1303	27
28	2149	0842	2153	1014	2240	1209	2337	1301	0048	1352	0150	1337	28
29	2219	0936	2228	1111	2337	1311	....	1350	0152	1427	0251	1412	29
30	2248	1029	2308	1211	....	1410	0044	1434	0254	1501	0352	1450	30
31	2319	1124	2354	1313	....	....	0151	1514	....	....	0453	1532	31

Time meridian 90° W. 0000 is midnight. 1200 is noon.

TABLE 6-MOONRISE AND MOONSET, 1983

PANAMA CANAL

Day	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2047	0843	2217	0954	2055	0828	2209	0918	2234	0934	2336	1046	1
2	2148	0940	2308	1039	2147	0913	2301	1005	2324	1024	....	1134	2
3	2244	1031	2358	1122	2238	0957	2353	1054	....	1115	0018	1221	3
4	2336	1118	....	1205	2329	1042	....	1143	0012	1205	0058	1307	4
5	....	1202	0047	1248	....	1127	0043	1233	0058	1253	0137	1353	5
6	0026	1244	0136	1333	0020	1214	0132	1323	0141	1341	0217	1440	6
7	0115	1326	0226	1419	0110	1302	0219	1412	0222	1428	0258	1530	7
8	0203	1407	0316	1507	0201	1351	0303	1501	0303	1515	0342	1623	8
9	0251	1451	0406	1556	0250	1441	0346	1549	0343	1602	0430	1719	9
10	0340	1536	0455	1646	0338	1530	0427	1636	0424	1651	0522	1820	10
11	0430	1622	0542	1735	0424	1619	0508	1723	0506	1743	0620	1923	11
12	0520	1711	0627	1824	0508	1708	0548	1811	0552	1837	0722	2027	12
13	0610	1800	0710	1912	0550	1755	0630	1901	0642	1935	0826	2128	13
14	0658	1850	0752	1959	0631	1842	0713	1953	0736	2036	0929	2226	14
15	0745	1939	0832	2045	0711	1929	0800	2048	0834	2138	1030	2318	15
16	0829	2027	0912	2132	0751	2017	0850	2145	0935	2239	1128	....	16
17	0911	2114	0952	2220	0833	2107	0944	2245	1038	2337	1222	0007	17
18	0952	2201	1034	2309	0917	2158	1042	2345	1138	....	1314	0052	18
19	1032	2247	1118	....	1003	2253	1143	....	1237	0031	1404	0135	19
20	1112	2334	1206	0002	1054	2350	1244	0044	1332	0121	1454	0218	20
21	1153	....	1259	0058	1149	....	1343	0141	1425	0208	1544	0301	21
22	1236	0023	1356	0157	1248	0050	1441	0234	1516	0252	1635	0345	22
23	1323	0115	1458	0259	1349	0150	1536	0323	1607	0336	1727	0431	23
24	1414	0210	1602	0401	1451	0250	1630	0410	1657	0419	1819	0520	24
25	1511	0309	1706	0502	1551	0346	1722	0455	1749	0503	1910	0609	25
26	1613	0412	1807	0559	1650	0439	1813	0539	1841	0548	2000	0700	26
27	1718	0517	1906	0652	1746	0529	1905	0623	1933	0636	2048	0751	27
28	1824	0621	2002	0741	1840	0617	1957	0709	2026	0725	2133	0841	28
29	1928	0721	....	....	1933	0702	2050	0755	2117	0816	2215	0929	29
30	2028	0817	....	....	2025	0747	2143	0844	2206	0907	2255	1016	30
31	2124	0907	....	....	2117	0832	....	....	2252	0957	....	....	31

Day	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Day
	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	Rise h m	Set h m	
1	2334	1102	....	1202	0031	1332	0120	1422	0308	1541	0341	1551	1
2	....	1147	0011	1252	0129	1433	0222	1518	0402	1626	0433	1637	2
3	0013	1233	0057	1346	0230	1534	0323	1611	0456	1712	0527	1725	3
4	0052	1320	0147	1444	0334	1634	0422	1701	0550	1758	0622	1816	4
5	0134	1410	0243	1546	0438	1731	0520	1749	0644	1846	0717	1908	5
6	0218	1503	0344	1650	0540	1824	0615	1836	0739	1936	0811	2001	6
7	0307	1601	0449	1753	0640	1914	0710	1922	0835	2027	0904	2054	7
8	0402	1702	0555	1852	0736	2002	0804	2009	0929	2120	0953	2145	8
9	0502	1807	0659	1948	0831	2048	0859	2058	1023	2212	1039	2234	9
10	0606	1911	0800	2039	0925	2134	0953	2148	1113	2304	1122	2321	10
11	0712	2012	0857	2127	1018	2220	1048	2239	1201	2354	1202	....	11
12	0816	2109	0952	2212	1112	2308	1141	2330	1245	....	1240	0007	12
13	0917	2201	1044	2257	1205	2357	1232	....	1327	0042	1318	0051	13
14	1015	2249	1136	2341	1257	....	1321	0022	1406	0128	1356	0136	14
15	1109	2334	1227	....	1349	0047	1407	0112	1444	0214	1436	0222	15
16	1200	....	1319	0027	1438	0138	1450	0201	1523	0259	1518	0310	16
17	1251	0017	1411	0114	1525	0228	1530	0248	1602	0344	1604	0401	17
18	1341	0100	1502	0202	1610	0318	1610	0335	1643	0432	1656	0456	18
19	1432	0144	1553	0252	1652	0406	1648	0420	1728	0521	1752	0555	19
20	1523	0229	1642	0343	1733	0453	1727	0506	1816	0614	1853	0657	20
21	1615	0317	1728	0433	1811	0539	1807	0552	1909	0711	1957	0759	21
22	1706	0406	1812	0522	1850	0625	1849	0640	2007	0810	2100	0900	22
23	1756	0456	1854	0610	1929	0710	1934	0730	2107	0911	2201	0956	23
24	1844	0546	1933	0656	2009	0756	2023	0824	2209	1011	2258	1049	24
25	1930	0636	2012	0742	2051	0844	2116	0920	2309	1108	2353	1137	25
26	2013	0725	2050	0827	2137	0935	2214	1019	....	1202	....	1222	26
27	2054	0813	2128	0912	2226	1028	2314	1118	0007	1252	0046	1306	27
28	2133	0858	2209	0958	2321	1125	....	1216	0103	1338	0137	1350	28
29	2211	0944	2252	1047	....	1223	0014	1312	0156	1423	0228	1434	29
30	2250	1028	2339	1138	0019	1323	0114	1404	0248	1507	0321	1520	30
31	2329	1114	....	1233	....	....	0212	1454	....	....	0414	1609	31

Time meridian 75° W. 0000 is midnight. 1200 is noon.

TABLE 7.—CONVERSION OF FEET TO METERS

Feet	Tenths of a Foot										Feet
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0
1	0.30	0.34	0.37	0.40	0.43	0.46	0.49	0.52	0.55	0.58	1
2	0.61	0.64	0.67	0.70	0.73	0.76	0.79	0.82	0.85	0.88	2
3	0.91	0.94	0.98	1.01	1.04	1.07	1.10	1.13	1.16	1.19	3
4	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.49	4
5	1.52	1.55	1.58	1.62	1.65	1.68	1.71	1.74	1.77	1.80	5
6	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04	2.07	2.10	6
7	2.13	2.16	2.19	2.23	2.26	2.29	2.32	2.35	2.38	2.41	7
8	2.44	2.47	2.50	2.53	2.56	2.59	2.62	2.65	2.68	2.71	8
9	2.74	2.77	2.80	2.83	2.87	2.90	2.93	2.96	2.99	3.02	9
10	3.05	3.08	3.11	3.14	3.17	3.20	3.23	3.26	3.29	3.32	10
11	3.35	3.38	3.41	3.44	3.47	3.51	3.54	3.57	3.60	3.63	11
12	3.66	3.69	3.72	3.75	3.78	3.81	3.84	3.87	3.90	3.93	12
13	3.96	3.99	4.02	4.05	4.08	4.11	4.15	4.18	4.21	4.24	13
14	4.27	4.30	4.33	4.36	4.39	4.42	4.45	4.48	4.51	4.54	14
15	4.57	4.60	4.63	4.66	4.69	4.72	4.75	4.79	4.82	4.85	15
16	4.88	4.91	4.94	4.97	5.00	5.03	5.06	5.09	5.12	5.15	16
17	5.18	5.21	5.24	5.27	5.30	5.33	5.36	5.39	5.43	5.46	17
18	5.49	5.52	5.55	5.58	5.61	5.64	5.67	5.70	5.73	5.76	18
19	5.79	5.82	5.85	5.88	5.91	5.94	5.97	6.00	6.04	6.07	19
20	6.10	6.13	6.16	6.19	6.22	6.25	6.28	6.31	6.34	6.37	20
21	6.40	6.43	6.46	6.49	6.52	6.55	6.58	6.61	6.64	6.68	21
22	6.71	6.74	6.77	6.80	6.83	6.86	6.89	6.92	6.95	6.98	22
23	7.01	7.04	7.07	7.10	7.13	7.16	7.19	7.22	7.25	7.28	23
24	7.32	7.35	7.38	7.41	7.44	7.47	7.50	7.53	7.56	7.59	24
25	7.62	7.65	7.68	7.71	7.74	7.77	7.80	7.83	7.86	7.89	25
26	7.92	7.96	7.99	8.02	8.05	8.08	8.11	8.14	8.17	8.20	26
27	8.23	8.26	8.29	8.32	8.35	8.38	8.41	8.44	8.47	8.50	27
28	8.53	8.56	8.60	8.63	8.66	8.69	8.72	8.75	8.78	8.81	28
29	8.84	8.87	8.90	8.93	8.96	8.99	9.02	9.05	9.08	9.11	29
30	9.14	9.17	9.20	9.24	9.27	9.30	9.33	9.36	9.39	9.42	30
31	9.45	9.48	9.51	9.54	9.57	9.60	9.63	9.66	9.69	9.72	31
32	9.75	9.78	9.81	9.85	9.88	9.91	9.94	9.97	10.00	10.03	32
33	10.06	10.09	10.12	10.15	10.18	10.21	10.24	10.27	10.30	10.33	33
34	10.36	10.39	10.42	10.45	10.49	10.52	10.55	10.58	10.61	10.64	34
35	10.67	10.70	10.73	10.76	10.79	10.82	10.85	10.88	10.91	10.94	35
36	10.97	11.00	11.03	11.06	11.09	11.13	11.16	11.19	11.22	11.25	36
37	11.28	11.31	11.34	11.37	11.40	11.43	11.46	11.49	11.52	11.55	37
38	11.58	11.61	11.64	11.67	11.70	11.73	11.77	11.80	11.83	11.86	38
39	11.89	11.92	11.95	11.98	12.01	12.04	12.07	12.10	12.13	12.16	39
40	12.19	12.22	12.25	12.28	12.31	12.34	12.37	12.41	12.44	12.47	40
41	12.50	12.53	12.56	12.59	12.62	12.65	12.68	12.71	12.74	12.77	41
42	12.80	12.83	12.86	12.89	12.92	12.95	12.98	13.01	13.05	13.08	42
43	13.11	13.14	13.17	13.20	13.23	13.26	13.29	13.32	13.35	13.38	43
44	13.41	13.44	13.47	13.50	13.53	13.56	13.59	13.62	13.66	13.69	44
45	13.72	13.75	13.78	13.81	13.84	13.87	13.90	13.93	13.96	13.99	45
46	14.02	14.05	14.08	14.11	14.14	14.17	14.20	14.23	14.26	14.30	46
47	14.33	14.36	14.39	14.42	14.45	14.48	14.51	14.54	14.57	14.60	47
48	14.63	14.66	14.69	14.72	14.75	14.78	14.81	14.84	14.87	14.90	48
49	14.94	14.97	15.00	15.03	15.06	15.09	15.12	15.15	15.18	15.21	49
50	15.24	15.27	15.30	15.33	15.36	15.39	15.42	15.45	15.48	15.51	50

TIDE TABLES

Advance information relative to the rise and fall of the tide is given in annual tide tables. These tables include the predicted times and heights of high and low waters for every day in the year for a number of reference stations and differences for obtaining similar predictions for numerous other places.

Tide Tables, Central and Western Pacific Ocean and Indian Ocean.
Tide Tables, East Coast of North and South America (Including Greenland).
Tide Tables, Europe and West Coast of Africa (Including the Mediterranean Sea).
Tide Tables, West Coast of North and South America (Including the Hawaiian Islands).

TIDAL BENCH MARKS

To provide permanent points for the observed heights of the tide and the tidal datum planes determined therefrom, a system of bench marks is established at each tide station. The descriptions and elevations of these bench marks along our coast are compiled, published, and available for distribution. Requests for such bench mark data should specify the coastal locality for which the information is desired.

TIDAL CURRENT TABLES

Accompanying the rise and fall of the tide is a periodic horizontal flow of the water known as the tidal current. Advance information relative to these currents is made available in annual tidal current tables which include daily predictions of the times of slack water and the times and velocities of strength of flood and ebb currents for a number of waterways together with differences for obtaining predictions for numerous other places.

Tidal Current Tables, Atlantic Coast of North America.
Tidal Current Tables, Pacific Coast of North America and Asia.

TIDAL CURRENT CHARTS

Each publication consists of a set of 12 charts which depict, by means of arrows and figures, the direction and speed of the tidal current for each hour of the tidal cycle. The charts, which may be used for any year, present a comprehensive view of the tidal current movement in the respective waterways as a whole and also supply a means for readily determining for any time the direction and speed of the current at various localities throughout the water areas covered. The Narragansett Bay tidal current chart is to be used with the annual tide tables. The other charts require the annual tidal current tables.

Tidal Current Charts, Boston Harbor.
Tidal Current Charts, Charleston Harbor, S.C.
Tidal Current Charts, Delaware Bay and River.
Tidal Current Charts, Long Island Sound and Block Island Sound.
Tidal Current Charts, Narragansett Bay.
Tidal Current Charts, Narragansett Bay to Nantucket Sound.
Tidal Current Charts, New York Harbor.
Tidal Current Charts, Puget Sound, Northern Part.
Tidal Current Charts, Puget Sound, Southern Part.
Tidal Current Charts, San Francisco Bay.
Tidal Current Charts, Upper Chesapeake Bay.
Tidal Current Charts, Tampa Bay.

TIDAL CURRENT DIAGRAMS

The tidal current diagrams are a series of 12 monthly diagrams to be used with the tidal current charts to give the user a convenient method to determine the current flow on a particular day.

Tidal Current Diagrams for Long Island Sound and Block Island Sound.
Tidal Current Diagrams for Boston Harbor.
Tidal Current Diagrams for New York Harbor.
Tidal Current Diagrams for Upper Chesapeake Bay.

ANNUAL INEQUALITY—Seasonal variation in the water level or current, more or less periodic, due chiefly to meteorological causes.

APOGEAN TIDES OR TIDAL CURRENTS—Tides of decreased range or currents of decreased speed occurring monthly as the result of the Moon being in apogee (farthest from the Earth).

AUTOMATIC TIDE GAGE—An instrument that automatically registers the rise and fall of the tide. In some instruments, the registration is accomplished by recording the heights at regular intervals in digital format, in others by a continuous graph in which the height, versus corresponding time of the tide, is recorded.

BENCH MARK (BM)—A fixed physical object or marks used as reference for a vertical datum. A *tidal bench mark* is one near a tide station to which the tide staff and tidal datums are referred. A *geodetic bench mark* identifies a surveyed point in the National Geodetic Vertical Network.

CHART DATUM—The tidal datum to which soundings on a chart are referred. It is usually taken to correspond to a low water elevation of the tide, and its depression below mean sea level is represented by the symbol Zo.

CURRENT—Generally, a horizontal movement of water. Currents may be classified as *tidal* and *nontidal*. Tidal currents are caused by gravitational interactions between the Sun, Moon, and Earth and are a part of the same general movement of the sea that is manifested in the vertical rise and fall, called *tide*. Nontidal currents include the permanent currents in the general circulatory systems of the sea as well as temporary currents arising from more pronounced meteorological variability.

CURRENT DIFFERENCE—Difference between the time of slack water (or minimum current) or strength of current in any locality and the time of the corresponding phase of the tidal current at a reference station, for which predictions are given in the *Tidal Current Tables*.

CURRENT ELLIPSE—A graphic representation of a rotary current in which the velocity of the current at different hours of the tidal cycle is represented by radius vectors and vectorial angles. A line joining the extremities of the radius vectors will form a curve roughly approximating an ellipse. The cycle is completed in one-half tidal day or in a whole tidal day according to whether the tidal current is of the semidiurnal or the diurnal type. A current of the mixed type will give a curve of two unequal loops each tidal day.

CURRENT METER—An instrument for measuring the speed and direction or just the speed of a current. The measurements are usually Eulerian since the meter is most often fixed or moored at a specific location.

DATUM (vertical)—For marine applications, a base elevation used as a reference from which to reckon heights or depths. It is called a *tidal datum* when defined by a certain phase of the tide. Tidal datums are local datums and should not be extended into areas which have differing topographic features without substantiating measurements. In order that they may be recovered when needed, such datums are referenced to fixed points known as *bench marks*.

DAYLIGHT SAVING TIME—A time used during the summer in some localities in which clocks are advanced 1 hour from the usual standard time.

DIURNAL—Having a period or cycle of approximately 1 tidal day. Thus, the tide is said to be diurnal when only one high water and one low water occur during a tidal day, and the tidal current is said to be diurnal when there is a single flood and single ebb period in the tidal day. A rotary current is diurnal if it changes its direction through all points of the compass once each tidal day.

DIURNAL INEQUALITY—The difference in height of the two high waters or of the two low waters of each day; also the difference in speed between the two flood tidal currents or the two ebb tidal currents of each day. The difference changes with the declination of the Moon and to a lesser extent with the declination of the Sun. In general, the inequality tends to increase with an increasing declination, either north or south, and to diminish as the Moon approaches the Equator. *Mean diurnal high water inequality* (DHQ) is one-half the average difference between the two high waters of each day observed over a specific 19-year Metonic cycle (the National Tidal Datum Epoch). It is obtained by subtracting the mean of all high waters from the mean of the higher high waters. *Mean diurnal low water inequality* (DLQ) is one-half the average difference between the two low waters of each day observed over a specific 19-year Metonic cycle (the National Tidal Datum Epoch). It is obtained by subtracting the mean of the lower low waters from the mean of all low waters. *Tropic high water inequality* (HWQ) is the average difference between the two high waters of the day at the times of the tropic tides. *Tropic low water inequality* (LWQ) is the average difference between the two low waters of the day at the times of the tropic tides. Mean and tropic inequalities as defined above are applicable only when the type of tide is either semidiurnal or mixed. Diurnal inequality is sometimes called *declinational inequality*.

DOUBLE EBB—An ebb tidal current where, after ebb begins, the speed increases to a maximum called *first ebb;* it then decreases, reaching a *minimum ebb* near the middle of the ebb period (and at some places it may actually run in a flood direction for a short period); it then again ebbs to a maximum speed called *second ebb* after which it decreases to slack water.

DOUBLE FLOOD—A flood tidal current where, after flood begins, the speed increases to a maximum called *first flood*; it then decreases, reaching a *minimum flood* near the middle of the flood period (and at some places it may actually run in an ebb direction for a short period); it then again floods to a maximum speed called *second flood* after which it decreases to slack water.

DOUBLE TIDE—A double-headed tide, that is, a high water consisting of two maxima of nearly the same height separated by a relatively small depression, or a low water consisting of two minima separated by a relatively small elevation. Sometimes, it is called an *agger.*

DURATION OF FLOOD AND DURATION OF EBB—*Duration of flood* is the interval of time in which a tidal current is flooding, and the *duration of ebb* is the interval in which it is ebbing. Together they cover, on an average, a period of 12.42 hours for a semidiurnal tidal current or a period of 24.84 hours for a diurnal current. In a normal semidiurnal tidal current, the duration of flood and duration of ebb will each be approximately equal to 6.21 hours, but the times may be modified greatly by the presence of a nontidal flow. In a river the duration of ebb is usually longer than the duration of flood because of the freshwater discharge, especially during the spring when snow and ice melt are the predominant influences.

DURATION OF RISE AND DURATION OF FALL—*Duration of rise* is the interval from low water to high water, and *duration of fall* is the interval from high water to low water. Together they cover, on an average, a period of 12.42 hours for a semidiurnal tide or a period of 24.84 hours for a diurnal tide. In a normal semidiurnal tide, the duration of rise and duration of fall will each be approximately equal to 6.21 hours, but in shallow waters and in rivers there is a tendency for a decrease in the duration of rise and a corresponding increase in the duration of fall.

EBB CURRENT—The movement of a tidal current away from shore or down a tidal river or estuary. In the mixed type of reversing tidal current, the terms *greater ebb* and *lesser ebb* are applied respectively to the ebb tidal currents of greater and lesser speed of each day. The terms *maximum ebb* and *minimum ebb* are applied to the maximum and minimum speeds of a current running continuously ebb, the speed alternately increasing and decreasing without coming to a slack or reversing. The expression *maximum ebb* is also applicable to any ebb current at the time of greatest speed.

EQUATORIAL TIDAL CURRENTS—Tidal currents occurring semimonthly as a result of the Moon being over the Equator. At these times the tendency of the Moon to produce a diurnal inequality in the tidal current is at a minimum.

EQUATORIAL TIDES—Tides occurring semimonthly as the result of the Moon being over the Equator. At these times the tendency of the Moon to produce a diurnal inequality in the tide is at a minimum.

FLOOD CURRENT—The movement of a tidal current toward the shore or up a tidal river or estuary. In the mixed type of reversing current, the terms *greater flood* and *lesser flood* are applied respectively to the flood currents of greater and lesser speed of each day. The terms *maximum flood* and *minimum flood* are applied to the maximum and minimum speeds of a flood current, the speed of which alternately increases and decreases without coming to a slack or reversing. The expression *maximum flood* is also applicable to any flood current at the time of greatest speed.

GREAT DIURNAL RANGE (*Gt*)—The difference in height between mean higher high water and mean lower low water. The expression may also be used in its contracted form, *diurnal range.*

GULF COAST LOW WATER DATUM—A chart datum. Specifically, the tidal datum designated for the coastal waters of the Gulf Coast of the United States. It is defined as *mean lower low water* when the type of tide is mixed and *mean low water* when the type of tide is diurnal.

HALF-TIDE LEVEL—*See mean tide level.*

HIGH WATER (HW)—The maximum height reached by a rising tide. The height may be due solely to the periodic tidal forces or it may have superimposed upon it the effects of prevailing meteorological conditions. Use of the synonymous term, *high tide,* is discouraged.

HIGHER HIGH WATER (HHW)—The higher of the two high waters of any tidal day.

HIGHER LOW WATER (HLW)—The higher of the two low waters of any tidal day.

HYDRAULIC CURRENT—A current in a channel caused by a difference in the surface level at the two ends. Such a current may be expected in a strait connecting two bodies of water in which the tides differ in time or range. The current in the East River, N.Y., connecting Long Island Sound and New York Harbor, is an example.

KNOT—A speed unit of 1 international nautical mile (1,852.0 meters or 6,076.11549 international feet) per hour.

LOW WATER (LW)—The minimum height reached by a falling tide. The height may be due solely to the periodic tidal forces or it may have superimposed upon it the effects of meteorological conditions. Use of the synonymous term, *low tide,* is discouraged.

LOWER HIGH WATER (LHW)—The lower of the two high waters of any tidal day.

LOWER LOW WATER (LLW)—The lower of the two low waters of any tidal day.

LUNAR DAY—The time of the rotation of the Earth with respect to the Moon, or the interval between two successive upper transits of the Moon over the meridian of a place. The mean lunar day is approximately 24.84 solar hours long, or 1.035 times as long as the mean solar day.

LUNAR INTERVAL—The difference in time between the transit of the Moon over the meridian of Greenwich and over a local meridian. The average value of this interval expressed in hours is 0.069 L, in which L is the local longitude in degrees, positive for west longitude and negative for east longitude. The lunar interval equals the difference between the local and Greenwich interval of a tide or current phase.

LUNICURRENT INTERVAL—The interval between the Moon's transit (upper or lower) over the local or Greenwich meridian and a specified phase of the tidal current following the transit. Examples: *strength of flood interval* and *strength of ebb interval,* which may be abbreviated to *flood interval* and *ebb interval,* respectively. The interval is described as local or Greenwich according to whether the reference is to the Moon's transit over the local or Greenwich meridian. When not otherwise specified, the reference is assumed to be local.

LUNITIDAL INTERVAL—The interval between the Moon's transit (upper or lower) over the local or Greenwich meridian and the following high or low water. The average of all high water intervals for all phases of the Moon is known as *mean high water lunitidal interval* and is abbreviated to *high water interval* (HWI). Similarly the *mean low water lunitidal interval* is abbreviated to *low water interval* (LWI). The interval is described as local or Greenwich according to whether the reference is to the transit over the local or Greenwich meridian. When not otherwise specified, the reference is assumed to be local.

MEAN HIGH WATER (MHW)—A tidal datum. The average of all the high water heights observed over the National Tidal Datum Epoch. (See High Water.) For stations with shorter series, simultaneous observational comparisons are made with a control tide station in order to derive the equivalent of a 19-year datum.

MEAN HIGHER HIGH WATER (MHHW)—A tidal datum. The average of the highest high water height of each tidal day observed over the National Tidal Datum Epoch. For stations with shorter series, simultaneous observational comparisons are made with a control tide station in order to derive the equivalent of a 19-year datum.

MEAN HIGHER HIGH WATER LINE (MHHWL)—The intersection of the land with the water surface at the elevation of mean higher high water.

MEAN LOW WATER (MLW)—A tidal datum. The average of all the low water heights observed over the National Tidal Datum Epoch. (See Low Water.) For stations with shorter series, simultaneous observational comparisons are made with a control tide station in order to derive the equivalent of a 19-year datum.

MEAN LOW WATER SPRINGS (MLWS)—A tidal datum. Frequently abbreviated *spring low water.* The arithmetic mean of the low water heights occurring at the time of the spring tides observed over a specific 19-year Metronic cycle (the National Tidal Datum Epoch).

MEAN LOWER LOW WATER (MLLW)—A tidal datum. The average of the lowest low water height of each tidal day observed over the National Tidal Datum Epoch. For stations with shorter series, simultaneous observational comparisons are made with a control tide station in order to derive the equivalent of a 19-year datum.

MEAN RANGE OF TIDE (Mn)—The difference in height between mean high water and mean low water.

MEAN RIVER LEVEL—A tidal datum. The average height of the surface of a tidal river at any point for all stages of the tide observed over a 19-year Metonic cycle (the National Tidal Datum Epoch), usually determined from hourly height readings. In rivers subject to occasional freshets the river level may undergo wide variations, and for practical purposes certain months of the year may be excluded in the determination of tidal datums. For charting purposes, tidal datums for rivers are usually based on observations during selected periods when the river is at or near low water stage.

MEAN SEA LEVEL (MSL)—A tidal datum. The arithmetic mean of hourly water elevations observed over a specific 19-year Metonic cycle (the National Tidal Datum Epoch). Shorter series are specified in the name; e.g., monthly mean sea level and yearly mean sea level.

MEAN TIDE LEVEL (MTL)—Also called half-tide level. A tidal datum midway between mean high water and mean low water.

MIXED TIDE—Type of tide with a large inequality in the high and/or low water heights, with two high waters and two low waters usually occurring each tidal day. In strictness, all tides are mixed but the name is usually applied to the tides intermediate to those predominantly semidiurnal and those predominantly diurnal.

NEAP TIDES OR TIDAL CURRENTS—Tides of decreased range or tidal currents of decreased speed occurring semimonthly as the result of the Moon being in quadrature. The *neap range* (Np) of the tide is the average semidiurnal range occurring at the time of neap tides and is most conveniently computed from the harmonic constants. It is smaller than the mean range where the type of tide is either semidiurnal or mixed and is of no practical significance where the type of tide is diurnal. The average height of the high waters of the neap tides is called *neap high water* or *high water neaps* (MHWN) and the average height of the corresponding low waters is called *neap low water* or *low water neaps* (MLWN).

PERIGEAN TIDES OR TIDAL CURRENTS—Tides of increased range or tidal currents of increased speed occurring monthly as the result of the Moon being in perigee or nearest the Earth. The *perigean range* (Pn) of tide is the average semidiurnal range occurring at the time of perigean tides and is most conveniently computed from the harmonic constants. It is larger than the mean range where the type of tide is either semidiurnal or mixed, and is of no practical significance where the type of tide is diurnal.

RANGE OF TIDE—The difference in height between consecutive high and low waters. The *mean range* is the difference in height between mean high water and mean low water. Where the type of tide is diurnal the mean range is the same as the diurnal range. For other ranges, see great diurnal, spring, neap, perigean, apogean, and tropic tides.

REFERENCE STATION—A tide or current station for which independent daily predictions are given in the *Tide Tables* and *Tidal Current Tables,* and from which corresponding predictions are obtained for subordinate stations by means of differences and ratios.

REVERSING CURRENT—A tidal current which flows alternately in approximately opposite directions with a slack water at each reversal of direction. Currents of this type usually occur in rivers and straits where the direction of flow is more or less restricted to certain channels. When the movement is towards the shore or up a stream, the current is said to be flooding, and when in the opposite direction it is said to be ebbing. The combined flood and ebb movement including the slack water covers, on an average, 12.42 hours for the semidiurnal current. If unaffected by a nontidal flow, the flood and ebb movements will each last about 6 hours, but when combined with such a flow, the durations of flood and ebb may be quite unequal. During the flow in each direction the speed of the current will vary from zero at the time of slack water to a maximum about midway between the slacks.

ROTARY CURRENT—A tidal current that flows continually with the direction of flow changing through all points of the compass during the tidal period. Rotary currents are usually found offshore where the direction of flow is not restricted by any barriers. The tendency for the rotation in direction has its origin in the Coriolis force and, unless modified by local conditions, the change is clockwise in the Northern Hemisphere and counterclockwise in the Southern. The speed of the current usually varies throughout the tidal cycle, passing through the two maxima in approximately opposite directions and the two minima with the direction of the current at approximately 90° from the direction at time of maximum speed.

SEMIDIURNAL—Having a period or cycle of approximately one-half of a tidal day. The predominating type of tide throughout the world is semidiurnal, with two high waters and two low waters each tidal day. The tidal current is said to be semidiurnal when there are two flood and two ebb periods each day.

SET (OF CURRENT)—The direction *towards* which the current flows.

SLACK WATER—The state of a tidal current when its speed is near zero, especially the moment when a reversing current changes direction and its speed is zero. The term is also applied to the entire period of low speed near the time of turning of the current when it is too weak to be of any practical importance in navigation. The relation of the time of slack water to the tidal phases varies in different localities. For standing tidal waves, slack water occurs near the times of high and low water, while for progressive tidal waves, slack water occurs midway between high and low water.

SPRING TIDES OR TIDAL CURRENTS—Tides of increased range or tidal currents of increased speed occurring semimonthy as the result of the Moon being new or full. The *spring range* (Sg) of tide is the average semidiurnal range occurring at the time of spring tides and is most conveniently computed from the harmonic constants. It is larger than the mean range where the type of tide is either semidiurnal or mixed, and is of no practical signficance where the type of tide is diurnal. The mean of the high waters of the spring tide is called *spring high water* or *mean high water springs* (MHWS), and the average height of the corresponding low waters is called *spring low water* or *mean low water springs* (MLWS).

STAND OF TIDE—Sometimes called a platform tide. An interval at high or low water when there is no sensible change in the height of the tide. The water level is stationary at high and low water for only an instant, but the change in level near these times is so slow that it is not usually perceptible. In general, the duration of the apparent stand will depend upon the range of tide, being longer for a small range than for a large range, but where there is a tendency for a double tide the stand may last for several hours even with a large range of tide.

STANDARD TIME—A kind of time based upon the transit of the Sun over a certain specified meridian, called the *time meridian,* and adopted for use over a considerable area. With a few exceptions, standard time is based upon some meridian which differs by a multiple of 15° from the meridian of Greenwich.

STRENGTH OF CURRENT—Phase of tidal current in which the speed is a maximum; also the speed at this time. Beginning with slack before flood in the period of a reversing tidal current (or minimum before flood in a rotary current), the speed gradually increases to flood strength and then diminishes to slack before ebb (or minimum before ebb in a rotary current), after which the current turns in direction, the speed increases to ebb strength and then diminishes to slack before flood completing the cycle. If it is assumed that the speed throughout the cycle varies as the ordinates of a cosine curve, it can be shown that the average speed for an entire flood or ebb period is equal to $2/\pi$ or 0.6366 of the speed of the corresponding strength of current.

SUBORDINATE CURRENT STATION—(1) A current station from which a relatively short series of observations is reduced by comparison with simultaneous observations from a control current station.

(2) A station listed in the *Tidal Current Tables* for which predictions are to be obtained by means of differences and ratios applied to the full predictions at a reference station.

SUBORDINATE TIDE STATION—(1) A tide station from which a relatively short series of observations is reduced by comparison with simultaneous observations from a tide station with a relatively long series of observations. (2) A station listed in the *Tide Tables* for which predictions are to be obtained by means of differences and ratios applied to the full predictions at a reference station.

TIDAL CURRENT TABLES—Tables which give daily predictions of the times and speeds of the tidal currents. These predictions are usually supplemented by current differences and constants through which additional predictions can be obtained for numerous other places.

TIDAL DIFFERENCE—Difference in time or height of a high or low water at a subordinate station and at a reference station for which predictions are given in the *Tide Tables.* The difference, when applied according to sign to the prediction at the reference station, gives the corresponding time or height for the subordinate station.

TIDE—The periodic rise and fall of the water resulting from gravitational interactions between the Sun, Moon, and Earth. The vertical component of the particulate motion of a tidal wave. Although the accompanying horizontal movement of the water is part of the same phenomenon, it is preferable to designate the motion as tidal current.

TIDE TABLES—Tables which give daily predictions of the times and heights of high and low waters. These predictions are usually supplemented by tidal differences and constants through which additional predictions can be obtained for numerous other places.

TIME MERIDIAN—A meridian used as a reference for time.

TROPIC CURRENTS—Tidal currents occurring semimonthly when the effect of the Moon's maximum declination is greatest. At these times the tendency of the Moon to produce a diurnal inequality in the current is at a maximum.

TROPIC RANGES—The *great tropic range* (Gc), or *tropic range,* is the difference in height between tropic higher high water and tropic lower low water. The *small tropic range* (Sc) is the difference in height between tropic lower high water and tropic higher low water. The *mean tropic range* (Mc) is the mean between the great tropic range and the small tropic range. The small tropic range and the mean tropic range are applicable only when the type of tide is semidiurnal or mixed. Tropic ranges are most conveniently computed from the harmonic constants.

TROPIC TIDES—Tides occurring semimonthly when the effect of the Moon's maximum declination is greatest. At these times there is a tendency for an increase in the diurnal range. The tidal datums pertaining to the tropic tides are designated as *tropic higher high water* (TcHHW), *tropic lower high water* (TcLHW), *tropic higher low water* (TcHLW), and *tropic lower low water* (TcLLW).

TYPE OF TIDE—A classification based on characteristic forms of a tide curve. Qualitatively, when the two high waters and two low waters of each tidal day are approximately equal in height, the tide is said to be *semidiurnal;* when there is a relatively large diurnal inequality in the high or low waters or both, it is said to be *mixed*; and when there is only one high water and one low water in each tidal day, it is said to be *diurnal.*

VANISHING TIDE—In a mixed tide with very large diurnal inequality, the lower high water (or higher low water) frequently becomes indistinct (or vanishes) at time of extreme declinations. During these periods the diurnal tide has such overriding dominance that the semidiurnal tide, although still present, cannot be readily seen on the tide curve.

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ASTRONOMICAL DATA, 1983

	January		
	d.	h	m
E	5	22	..
◑	6	04	00
S	13	06	..
A	14	05	..
●	14	05	08
E	20	17	..
◐	22	05	33
N	27	05	..
P	28	11	..
O	28	22	26

	February		
	d.	h	m
E	2	06	..
◑	4	19	17
S	9	12	..
A	10	08	..
●	13	00	32
E	16	22	..
◐	20	17	32
N	23	14	..
P	25	22	..
O	27	08	58

	March		
	d.	h	m
E	1	16	..
◑	6	13	16
S	8	18	..
A	9	23	..
●	14	17	43
E	16	04	..
$\odot_1$	21	04	39
◐	22	02	25
N	22	20	..
P	25	22	..
O	28	19	27
E	29	02	..

	April		
	d.	h	m
S	5	01	..
◑	5	08	38
A	6	18	..
E	12	11	..
●	13	07	58
N	19	02	..
◐	20	08	58
P	21	08	..
E	25	11	..
O	27	06	31

	May		
	d.	h	m
S	2	10	..
A	4	13	..
◑	5	03	43
E	9	20	..
●	12	19	25
N	16	08	..
P	16	16	..
◐	19	14	17
E	22	18	..
O	26	18	48
S	29	18	..

	June		
	d.	h	m
A	1	08	..
◑	3	21	07
E	6	05	..
●	11	04	37
N	12	17	..
P	13	06	..
◐	17	19	46
E	18	23	..
$\odot_2$	21	23	09
O	25	08	32
S	26	01	..
A	28	23	..

	July		
	d.	h	m
◑	3	12	12
E	3	14	..
N	10	03	..
●	10	12	18
P	11	10	..
E	16	05	..
◐	17	02	50
S	23	07	..
O	24	23	27
A	26	07	..
E	30	20	..

	August		
	d.	h	m
◑	2	00	52
N	6	13	..
P	8	19	..
●	8	19	18
E	12	13	..
◐	15	12	47
S	19	12	..
A	22	09	..
O	23	14	59
E	27	01	..
◑	31	11	22

	September		
	d.	h	m
N	2	21	..
P	6	05	..
●	7	02	35
E	8	22	..
◐	14	02	24
S	15	18	..
A	18	17	..
O	22	06	36
E	23	06	..
$\odot_3$	23	14	42
◑	29	20	05
N	30	04	..

	October		
	d.	h	m
P	4	11	..
E	6	08	..
●	6	11	16
S	13	02	..
◐	13	19	42
A	16	08	..
E	20	13	..
O	21	21	53
N	27	10	..
◑	29	03	37

	November		
	d.	h	m
P	1	03	..
E	2	18	..
●	4	22	21
S	9	10	..
◐	12	15	49
A	13	03	..
E	16	22	..
O	20	12	29
N	23	16	..
P	26	02	..
◑	27	10	50
E	30	01	..

	December		
	d.	h	m
●	4	12	26
S	6	19	..
A	11	01	..
◐	12	13	09
E	14	07	..
O	20	02	00
N	21	00	..
$\odot_4$	22	10	30
P	22	18	..
◑	26	18	52
E	27	06	..

LUNAR DATA:

● – new Moon
◐ – first quarter
O – full Moon
◑ – last quarter
A – Moon in apogee
P – Moon in perigee
N – Moon farthest north of Equator
E – Moon on Equator
S – Moon farthest south of Equator

SOLAR DATA:

$\odot_1$ – March equinox
$\odot_2$ – June solstice
$\odot_3$ – September equinox
$\odot_4$ – December solstice

Greenwich mean time (GMT) or universal time (UT) is the mean solar time on the Greenwich meridian reckoned in days of 24 mean solar hours written as 00^h at midnight and 12^h at noon. To convert the above times to those of other standard time meridians, add 1 hour for each 15° of east longitude of the desired meridian and subtract 1 hour for each 15° of west longitude.

This table was compiled from data taken from the American Ephemeris and Nautical Almanac.