INTERNATIONAL CODE OF SIGNALS CORRECTIONS

PUB 102 Ed 1999 LAST NM 46/99

Page 23—Line 11; insert after:

Z—with one numeral..... To call or address shore visual stations (Numeral to be approved by local port authority).

(PUBS 0027/2001) 52/01

SAILING DIRECTIONS CORRECTIONS

PUB 124 8 Ed 2001 LAST NM 49/01

Page 12—Line 46/R; insert after:

It was reported (2000) that there was less water between Iles Remire and the mainland on each side of the entrance to Fleuve Mahury.

(BA 47/01) 52/01

PUB 127 6 Ed 2000 LAST NM 49/01

Page 153—Line 5/R; insert after:

Caution.—An obstruction, with a depth of 12m over it, lies close to the N end of the berth.

(19(524)01 Wollongong) 52/01

PUB 131 9 Ed 2000 LAST NM 49/01

Page 107—Line 5/R; insert after:

A dangerous wreck has been reported to lie 1.5 miles WSW of the harbor.

(BA NP 46, Supp. 10/1998) 52/01

Page 108—Line 28/L; read:

receding slowly. A main light is shown from a structure, 43m

(BA NP 46, Supp. 10/1998) 52/01

Page 117—Line 31/L; insert after:

Two lighted buoys are moored 0.7 mile S and SSE, respectively, from the light structure.

(BA NP 46, Supp. 10/1998) 52/01

Page 120—Line 30/R; read:

Pointe de Gouron (Cap Blanc), so called from the color of its rocks, which can

(BA NP 46, Supp. 10/1998) 52/01

Page 120—Line 34/R; read:

high, standing near the extremity of Pointe de Gouron.

(BA NP 46, Supp. 10/1998) 52/01

Page 122—Line 30/L; read:

Pointe de Bertaud. Marines de Cogolin (Port de Cogolin) and Port Grimaud are

(BA NP 46, Supp. 10/1998) 52/01

Page 122—Line 32/L; read:

Marines de Cogolin is entered between two jetties. This small

(BA NP 46, Supp. 10/1998) 52/01

PUB 145 8 Ed 2000 LAST NM 35/01

Page 249—Line 23/R; insert after:

Required Pre-entry Information

Provide the following information on a separate sheet for each upbound voyage via fax to the Traffic Control Center of the Saint Lawrence Seaway Development Corporation at Messena, New York at least 96 hours prior to initial Seaway inspection or 96 hours before westbound entry of the St. Lawrence Seaway at C.I.P 2 in Montreal:

1. Vessel's name and Lloyd's Register Number.
2. Flag of Registry and name of Classification Society.
3. Call sign.
4. ETA Montreal.
5. Owner's name.
6. Operator's name.
7. Last port.
8. List all Great Lakes ports of destination.
9. Ballast water—State the location of all ballast water within the vessel, the ports where it was orginally taken on, and the locations (latitude and longitude) where the ballast was exchanged.
10. Date and location of last Port State Control Exam (Paris MOU).
11. Date and location of last U.S. Port State Control Exam.
12. Date and expiry of U.S. Certificate of Financial Responsibility.
13. Shipboard Oil Pollution Emergency Date.
14. Has USCG self examination been completed? (maximum 7 days prior to entering Seaway at C.I.P. 2) List all outstanding items.

Note: The original completed and signed copy is to be retained on board.

15. ISM (Ship Safety Management Code):
    a. Expiry date of Document of Compliance.
    b. Expiry date of Ship Management Certificate.
    c. Name of accrediting agency.
16. Crew list.
17. Cargo list.

PUB 145 (Continued)

The information provided to the Saint Lawrence Seaway Development Corporation, Messena, New York and the Saint Lawrence Seaway Management Corporation, Cornwall, Ontario will be shared for security purposes with U.S. and Canadian agencies involved in security of the Great Lakes Saint Lawrence Seaway System.

(PUBS 026/2001) 52/01

PUB 171 7 Ed 2001 LAST NM 48/01

Page 137—Lines 6 to 7/R; read:

For tankers of over 30,000 dwt, the pilot boards in Grand Passe de L'Est, approximately 3.3 miles SSE of Ile aux Prunes. For other vessels, the pilot boards 2 miles NNE of Cap Tanio.

(BA NM 46/01) 52/01

PUB 173 6 Ed 2000 LAST NM 45/01

Page 142—Lines 43 to 50/L; read:

7.4 Eastern Channel Light Vessel, which is frequently moved, marks the entrance of Eastern Channel, the main fairway leading to the Hugli River. Eastern Channel is available for use both by day and night and leads into Gaspar Channel which in turn leads into Sagar Roads.

Caution.—Several dangerous wrecks, best seen on chart, have been reported in the immediate vicinity of Eastern Channel Light Vessel.

(BA NM 43/01) 52/01

PUB 174 8 Ed 2000 LAST NM 45/01

Page 8—Line 46/R; read:

Kantang (7˚24'N., 99˚31'E.) (World Port Index No. 49790) is

(US CH 71315) 52/01

Page 10—Line 3/L; insert after:

Langkawi Port**,** at **Teluk Ewa** (6˚26'N., 99˚46'E.), is a new port located on the N side of Pulau Langkawi. It is designed to handle petroleum products, coal and general cargo. The major exports include cement and clinker.

Aspect.—The port is entered through a channel marked with buoys and lighted buoys. The seaward end of the channel is marked with a lighted buoy.

Depths—Limitations.—The depths and limitations of the port are described in the table below.

Langkawi Port—Berthing Information			
Type of Cargo	Pier length	Depth alongside	Max. vessel size
Bulk (cement)	144m	9.0m	10,000 dwt
Bulk (iron ore)	144m	9.0m	10,000 dwt
Oil tanker	124m	8.0m	6,000 dwt
General cargo	124m	8.0m	6,000 dwt
Coaster	150m	3.0m	1,000 dwt

Pilotage.—Pilotage is compulsory and available 24 hours. The pilot boarding station, best seen on chart, is located about 1 mile WNW of Pulau Dangli.

Regulations.—The vessel's ETA should be sent as soon as possible advising arrival draft, date, and time. Further ETA should be sent 10, 5, 3, 2 and 1 day prior to arrival.

Anchorage.—Vessels calling on the port may request to use the designated anchorage areas located E of the pilot station.

(BA NP 44, Supp. 10/1999) 52/01

COAST PILOT CORRECTIONS

COAST PILOT 2 31 Ed 2001 Change No. 4 LAST NM 51/01

Page 23—Paragraphs 521 to 526; read:

All 406 MHz EPIRBs must be registered with NOAA. The beacon registration must be renewed every two years, and re-registered if you change your boat, your address, or your primary phone number. For information or to have the registration/re-registration form faxed, mariners can call 1-888-212-7283, or go to the NOAA website to get the form at www.sarsat.noaa.gov. Mail the signed original form to:

NOAA SARSAT Beacon Registration
E/SP3, Room 3320, FB-4
5200 Auth Road
Suitland, MD 20746-4304

Beacon registration/re-registration may be expedited by faxing a completed copy of the form to NOAA at 301-568-8649, as well as mailing the signed original form to the address above.

(32/01 CG11; CL 1875/01) 52/01

Page 63—Paragraph 1101, line 3; read:

by commercial and recreational vessels.

§117.622 West Bay

The draw of the West Bay Bridge, mile 1.2 at Osterville, shall operate as follows;

(1) From November 1 through April 30, the draw shall open on signal if at least a twenty-four hour advance notice is given.

(2) From May 1 through June 15, the draw shall open on signal from 8 a.m. to 6 p.m.

(3) From June 16 through September 30, the draw shall open on signal from 7 a.m. to 9 p.m.

(4) From October 1 through October 31, the draw shall open on signal from 8 a.m. to 6 p.m.

(5) At all other times from May 1 through October 31, the draw shall open on signal if at least a four-hour advance notice is given by calling the number posted at the bridge.

(FR 9/6/01; CL 1576/01) 52/01

Page 67—Paragraph 1224, lines 5 to 6; read:

York (Battery), as given in the tide tables published by private entities using data provided by the National Ocean Service.

(FR 6/25/01; CL 1206/01) 52/01

COAST PILOT 2 (Continued)

Page 67—Paragraph 1229, lines 9 to 10; read:
tables published by private entities using data provided by the National Ocean Service. At all times, public vessels of the United States and ...
(FR 6/25/01; CL 1206/01) 52/01

Page 85—Paragraph 1751 to Paragraph 1752, line 1; read:
(i) Tide tables published by private entities using data provided by the National Ocean Service.
(ii) Tidal current tables published by private entities using data provided by the National Ocean ...
(FR 6/25/01; CL 1206/01) 52/01

Page 86—Paragraph 1754, lines 3 to 4; read:
published by the National Imagery and Mapping Agency, or an equivalent foreign government publication, reasonably ...
(FR 6/25/01; CL 1206/01) 52/01

Page 89—Paragraphs 1916 to 1917; read:
(C) Tidal-Current tables published by private entities using data provided by the NOS, or river-current tables published by the ACOE or a river authority:
(D) Tide tables published by private entities using data provided by the NOS; and
(FR 6/25/01; CL 1206/01) 52/01

Page 99—Paragraph 2356, line 3; read:
proceed as directed.
§165.170 Safety Zone: Triathlon, Ulster Landing, Hudson River, NY.
(a) *Regulated area*. The following area is a safety zone: All waters of the Hudson River, in the vicinity of Ulster Landing, bound by the following points:
42˚00'03.7"N., 073˚56'43.1"W; thence to
41˚59'52.5"N., 073˚56'34.2"W; thence to
42˚00'15.1"N., 073˚56'25.2"W; thence to
42˚00'05.4"N., 073˚56'41.9"W; (NAD 1983); thence along the shoreline to the point of beginning.
(b) *Effective period.* This section is in effect annually from 6 a.m. until 9 a.m. on the first Sunday after July 4th.
(c) *Regulations*. (1) The general regulations contained in 33 CFR 165.23 apply.
(2) No vessels will be allowed to transit the safety zone without the permission of the Captain of the Port, New York.
(3) All persons and vessels shall comply with the instruction of the Coast Guard Captain of the Port or the designated on-scene patrol personnel. These personnel comprise commissioned, warrant, and petty officers of the Coast Guard. Upon being hailed by a U.S. Coast Guard vessel by siren, radio, flashing light, or other means, the operator of a vessel shall proceed as directed.
(FR 5/31/01) 52/01

Page 137—Paragraph 47, line 3; read:
clearance of 15 feet. (See **117.1 through 117.49 and 117.622**, chapter 2, for ...
(FR 9/6/01; CL 1576/01) 52/01

Page 268—Paragraph 123, line 12 to Paragraph 124; read:
Point. The pilot station, on the pier, and the pilot boat monitor VHF-FM channel 13 when vessels are scheduled to arrive. The 48-foot pilot boat has a black hull with the word PILOT in red letters on each side of the house. Arrangements for pilots are made in advance either directly by the vessel or through ships' agents. Notification is mandatory 24 hours prior to arrival and ETA updates are required 12 and 6 hours prior to arrival.
Masters of vessels entering the Port of New York and New Jersey are requested, prior to the time of boarding, to contact the pilot boat to ascertain a proper boarding speed, make a lee for the pilot boat, and have a pilot ladder over the side about 1 meter above the water.
(CL 1043/01) 52/01

Page 278—Paragraph 243, line 5; read:
and hull and engine repairs are available. A highway bridge crosses the creek about 0.2 mile above the mouth and has a 31-foot fixed span with a clearance of 12 feet.
(CL 1196/01) 52/01

COAST PILOT 9 19 Ed 1998 Change No. 33
LAST NM 51/01

Page 24—Paragraphs 526 to 531; read:
All 406 MHz EPIRBs must be registered with NOAA. The beacon registration must be renewed every two years, and re-registered if you change your boat, your address, or your primary phone number. For information or to have the registration/re-registration form faxed, mariners can call 1-888-212-7283, or go to the NOAA website to get the form at www.sarsat.noaa.gov. Mail the signed original form to:
NOAA SARSAT Beacon Registration
E/SP3, Room 3320, FB-4
5200 Auth Road
Suitland, MD 20746-4304
Beacon registration/re-registration may be expedited by faxing a completed copy of the form to NOAA at 301-568-8649, as well as mailing the signed original form to the address above.
(32/01 CG11; CL 1875/01) 52/01

WORLD PORT INDEX CORRECTIONS

PUB 150 **17 Ed 2000** **LAST NM 49/01**

EVEN PAGE CORRECTIONS

INDEX NUMBER	PORT	COUNTRY CODE	LATITUDE	LONGITUDE	PUBLICATION	CHART	HARBOR SIZE	HARBOR TYPE	SHELTER	ENTRANCE RESTRICTIONS: TIDE	SWELL	ICE	OTHER	OVERHEAD LIMITS	CHANNEL	ANCHORAGE	CARGO PIER	OIL TERMINAL	TIDE	MAX SIZE VESSEL	GOOD HOLDING GROUND	TURNING AREA	
10070	BAHIA HONDA	CU	2258N	08310W	147	27102	S	CN	G	Y	N	N	Y	N	J	K	N		01	M	Y	Y	
										*					*		*					*	52/01
10140	CAIBARIEN	CU	2232N	07928W	147	27061	S	OR	F	N	N	N	Y	N		K	P		02	M		Y	
															*					*		*	52/01
10150	NUEVITAS BAY	CU	2133N	07716W	147	27044	M	CN	G	Y	N	N	Y	N	L	K	K	K	01	L	Y	Y	
	*									*						*					*	*	52/01
*10158	MANATI	CU	2124N	07648W	147	27042	V	CN	G	N	N	N	Y	N	J	L	L	L		L			
																							52/01
10190	PUERTO VITA	CU	2105N	07557W	147	26250	V	CN	E	N	N	N	Y	N	L	L	L		02	M	Y	Y	
														*						*	*	*	52/01
10210	BANES	CU	2055N	07542W	147	26247	S	CN	E	Y	N	N	Y	N	L	J	M		02	M	Y	Y	
			*				*			*	*	*		*								*	52/01
10230	ANTILLA	CU	2050N	07544W	147	26259	V	CN	E	N	N	N	Y	N	B	M	M		02	M		Y	
						*								*	*					*		*	52/01
10240	PRESTON	CU	2046N	07539W	147	26259	V	CN	E	N	N	N	Y	N	B	K	M		02	M	Y	Y	
						*									*	*					*	*	52/01
10250	FELTON	CU	2044N	07536W	147	26259	V	CN	E	N	N	N	Y	N	B	J	L		02	M	Y	Y	
			*			*									*	*							52/01
10260	NICARO	CU	2043N	07533W	147	26237	V	CN	E	Y	N	N	Y	N	A	G	L		02	M	N	Y	
										*												*	52/01
10270	DE SAGUA DE TANAMO	CU	2041N	07520W	147	26245	V	CN	E	Y	N	N	Y	N	D	L	M		02	M	Y	Y	
			*	*						*				*	*							*	52/01
*10285	MOA	CU	2040N	07454W	147	26245	V	CN	F	N	N	N	Y	N	J	H	L		02	M			
																							52/01
10290	PUNTA GORDA	CU	2039N	07451W	147	26245	V	OR	P	N	N	N	Y	N	L	G			02	M		Y	
			*												*	*							52/01
10300	BARACOA	CU	2021N	07430W	147	26245	V	CN	P	N	N	N	Y	N		O			02	M		Y	
															*		*					*	52/01
10320	PUERTO GUANTANAMO	CU	1954N	07511W	147	26230	S	CN	G	N	N	N	Y	N	M	H	L		01	L	Y	Y	
			*	*		*	*													*		*	52/01
10400	PILON	CU	1954N	07719W	147	27222	V	CN	E	N	N	N	Y	N	L	M	N		01	M		Y	
																*				*		*	52/01
10410	NIQUERO	CU	2002N	07737W	147	27206	V	CN	G	N	N	N	Y	N	M	N	M		01	M			
			*	*											*		*			*			52/01
10420	MEDIA LUNA	CU	2009N	07726W	147	27206	V	OR	P	N	Y	N	Y	N	M	L			01	M		Y	
											*						*			*		*	52/01
10430	CEIBA HUECA	CU	2013N	07719W	147	27206	V	OR	P	N	N	N	Y	N	M	K	N	N	01	M		Y	
	*			*												*	*	*		*		*	52/01
*10470	GUAYABAL	CU	2041N	07737W	147	27207	S	CN	F	N	N	N	Y	N	K	J	L			L			
																							52/01

PUB 150 (Continued)

ODD PAGE CORRECTIONS

INDEX NUMBER	1ST PORT OF ENTRY	U.S. REPRESENTATIVE	ETA MESSAGE	PILOTAGE: COMPULSORY	PILOTAGE: AVAILABLE	PILOTAGE: LOCAL ASSIST	PILOTAGE: ADVISABLE	TUGS SALVAGE	TUGS ASSIST	QUARANTINE: PRATIQUE	QUARANTINE: DERATT CERT	QUARANTINE: OTHER	COMMUNICATIONS: TELEPHONE	COMMUNICATIONS: TELEGRAPH	COMMUNICATIONS: RADIO	COMMUNICATIONS: RADIO TEL	COMMUNICATIONS: AIR	COMMUNICATIONS: RAIL	LOAD/OFFLOAD: WHARVES	LOAD/OFFLOAD: ANCHOR	LOAD/OFFLOAD: MED MOOR	LOAD/OFFLOAD: BEACH MOOR	LOAD/OFFLOAD: ICE MOOR	MEDICAL FACILITIES	GARBAGE DISPOSAL	DEGAUSS	DIRTY BALLAST	CRANES: FIXED	CRANES: MOBILE	CRANES: FLOATING	LIFTS: 100 TONS PLUS	LIFTS: 50 - 100 TONS	LIFTS: 25 - 49 TONS	LIFTS: 0 - 24 TONS	SERVICES: LONGSHORE	SERVICES: ELECT	SERVICES: STEAM	SERVICES: NAVIG EQUIP	SERVICES: ELECT REPAIR	SUPPLIES: PROVISIONS	SUPPLIES: WATER	SUPPLIES: FUEL OIL	SUPPLIES: DIESEL OIL	SUPPLIES: DECK	SUPPLIES: ENGINE	REPAIR	DRYDOCK	RAILWAY	
10070	N	N	Y	Y	Y			N	N	Y	Y			Y	Y	Y	Y	Y	Y	Y				Y			N								Y					Y	N	N	N	Y	Y	N			
					*					*	*				*	*	*		*																											*			52/01
10140			N	Y	Y				Y	Y	Y		Y	Y	Y	Y		Y		Y	Y			Y			N								Y					Y	Y	N	N	Y	Y	C			
					*					*					*					*																					*								52/01
10150		N	Y	Y	Y				Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y				Y			N	Y					Y	Y					Y	Y	Y	N	N	N	C			
			*		*					*						*			*									*					*									*							52/01
*10158		N	Y	Y	Y					Y	Y					Y		Y	Y					Y											Y						Y	N	N			C			
																																																	52/01
10190		N	Y	Y	Y	Y				Y	Y		Y	Y	Y	Y		Y	Y	Y				Y			N								Y					Y	Y	N	N	N	N	N			
			*		*					*					*	*			*																														52/01
10210	Y	N	Y	Y	Y			N	N	Y	Y		Y	Y				Y	Y	N				Y			N								Y					Y	Y	N	N			N			
					*														*	*																											*			52/01
10230	Y	N	Y	Y	Y		Y		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y				Y			N								Y					Y	Y	Y	Y			N			
					*						*					*			*																							*	*			*			52/01
10240		N		Y	Y				Y	Y	Y		Y	Y			Y	Y	Y					Y			N													Y	Y	N	N			N			
		*			*				*	*							*		*	*																						*	*			*			52/01
10250		N	Y	Y	Y				Y	Y	Y		Y	Y				Y	Y	Y				Y			N		Y				Y	Y					Y	Y	N	N			N			
		*	*		*				*	*	*								*										*				*	*							*	*			*			52/01
10260		N	Y	Y	Y				Y	Y	Y		Y	Y				Y	Y	Y				Y			N		Y					Y	Y					Y	Y	N	N			N			
		*	*		*				*	*	*		*	*					*																*											*			52/01
10270		N		Y	Y				Y	Y	Y		Y					Y	Y					Y			N								Y					Y	Y	N	N	N	N	N			
										*				*			*							*											*							*	*			*			52/01
*10285		N	Y	Y	Y				Y	Y	Y		Y	Y	Y		Y		Y	Y				Y					Y					Y	Y						Y	N	N			D			
																																																		52/01
10290	N	N	N	Y	Y				Y	Y	Y									Y				Y			N								Y					Y	N	N	N			N			
					*				*	*	*													*											*						*					*			52/01
10300	N	N	N	Y	Y		N		Y	Y	Y		Y	Y	Y		Y			Y				Y			N	N	N	N					Y					Y	N	N	N	N	N	N			
					*					*									*																											*			52/01
10320		N	Y	Y	Y				Y	Y	Y		Y	Y	Y	Y	Y	Y	Y					Y			N								Y					Y	Y	Y	N			N			
			*		*				*	*	*				*	*	*																									*				*			52/01
10400	N	N	Y	Y	Y					Y	Y		Y	Y				Y	Y	Y				Y			N													Y	Y	N	N			C			
			*		*					*	*			*						*																						*	*						52/01
10410		N		Y	Y					Y	Y		Y					Y	Y					Y			N								Y					Y	Y	N	N			N			
					*					*	*		*																						*							*	*			*			52/01
10420		N		Y	Y					Y	Y		Y	Y				Y		Y				Y			N								Y					Y	N	N	N			N			
					*					*	*		*	*						*	*			*											*						*	*	*			*			52/01
10430		N		Y	Y					Y	Y		Y	Y					Y					Y			N													Y	N	N			N			
					*					*	*		*	*										*																	*	*			*			52/01
*10470		N	Y	Y	Y				Y	Y	Y		Y		Y		Y	Y	Y					Y											Y						Y	N	N			N			
																																																		52/01

NOS TIDE TABLES CORRECTIONS

WEST ATLANTIC 2002 NEW EDITION
Pages 144 thru 147;
Replace with pages from the back of this Subsection.
(NOS) N52/01

EAST PACIFIC 2002 NEW EDITION
(NOS) N52/01

EUROPE/WEST AFRICA 2002 NEW EDITION
(NOS) N52/01

W PACIFIC/INDIAN OCEAN 2002 NEW EDITION
(NOS) N52/01

WEST ATLANTIC 2002 NEW EDITION
(NOS) N52/01

Pages 144 thru 147;
Replace with pages from the back of this Subsection.
(NOS) N52/01

TIDAL CURRENT TABLES CORRECTIONS

ATLANTIC 2002 NEW EDITION
(NOS) N52/01

PACIFIC 2002 NEW EDITION
(NOS) N52/01

NIMA CATALOG OF PRODUCTS CORRECTIONS

NIMA CATALOG OF PRODUCTS

4 Ed 2001 NEW PUBLICATION
(NIMA) N52/01

Fernandina Beach, Amelia River, Florida, 2002

Times and Heights of High and Low Waters

January

	Time (h m)	Height (ft)	Height (cm)
1 Tu	0326	−1.2	−37
	1009	7.1	216
	1609	−0.8	−24
	2230	5.8	177
2 W	0415	−1.1	−34
	1058	7.0	213
	1657	−0.7	−21
	2322	5.8	177
3 Th	0508	−0.9	−27
	1149	6.8	207
	1748	−0.7	−21
4 F	0016	5.9	180
	0606	−0.6	−18
	1240	6.5	198
	1843	−0.6	−18
5 Sa ◑	0112	5.9	180
	0710	−0.3	−9
	1334	6.1	186
	1941	−0.5	−15
6 Su	0213	5.9	180
	0816	−0.1	−3
	1432	5.8	177
	2039	−0.5	−15
7 M	0317	6.0	183
	0921	0.0	0
	1534	5.5	168
	2137	−0.5	−15
8 Tu	0422	6.1	186
	1024	−0.1	−3
	1637	5.4	165
	2233	−0.5	−15
9 W	0524	6.3	192
	1124	−0.1	−3
	1736	5.3	162
	2328	−0.5	−15
10 Th	0620	6.5	198
	1220	−0.2	−6
	1831	5.4	165
11 F	0021	−0.6	−18
	0711	6.5	198
	1312	−0.3	−9
	1921	5.4	165
12 Sa	0111	−0.6	−18
	0759	6.6	201
	1359	−0.4	−12
	2007	5.4	165
13 Su ●	0158	−0.6	−18
	0843	6.5	198
	1442	−0.4	−12
	2051	5.4	165
14 M	0240	−0.5	−15
	0924	6.4	195
	1522	−0.3	−9
	2132	5.3	162
15 Tu	0320	−0.3	−9
	1003	6.2	189
	1600	−0.2	−6
	2212	5.2	158
16 W	0359	−0.1	−3
	1040	6.0	183
	1637	0.0	0
	2251	5.2	158
17 Th	0438	0.1	3
	1117	5.7	174
	1714	0.1	3
	2330	5.1	155
18 F	0518	0.4	12
	1153	5.5	168
	1752	0.3	9
19 Sa	0011	5.1	155
	0603	0.6	18
	1232	5.2	158
	1834	0.4	12
20 Su	0054	5.1	155
	0654	0.8	24
	1313	5.0	152
	1919	0.4	12
21 M ◐	0140	5.1	155
	0751	0.9	27
	1401	4.8	146
	2009	0.4	12
22 Tu	0233	5.2	158
	0851	0.9	27
	1455	4.7	143
	2101	0.3	9
23 W	0332	5.4	165
	0949	0.8	24
	1555	4.7	143
	2155	0.1	3
24 Th	0434	5.6	171
	1047	0.5	15
	1656	4.8	146
	2251	−0.1	−3
25 F	0534	6.0	183
	1143	0.2	6
	1754	5.0	152
	2346	−0.5	−15
26 Sa	0629	6.4	195
	1236	−0.1	−3
	1848	5.3	162
27 Su	0040	−0.8	−24
	0722	6.8	207
	1327	−0.5	−15
	1940	5.6	171
28 M ○	0132	−1.2	−37
	0813	7.1	216
	1416	−0.8	−24
	2031	5.9	180
29 Tu	0223	−1.4	−43
	0903	7.2	219
	1502	−1.0	−30
	2122	6.1	186
30 W	0313	−1.5	−46
	0952	7.2	219
	1549	−1.2	−37
	2214	6.3	192
31 Th	0403	−1.4	−43
	1042	7.1	216
	1636	−1.2	−37
	2306	6.4	195

February

	Time (h m)	Height (ft)	Height (cm)
1 F	0456	−1.2	−37
	1131	6.8	207
	1726	−1.0	−30
	2359	6.4	195
2 Sa	0552	−0.8	−24
	1221	6.5	198
	1818	−0.8	−24
3 Su	0054	6.3	192
	0653	−0.4	−12
	1313	6.0	183
	1914	−0.6	−18
4 M ◑	0152	6.2	189
	0758	−0.1	−3
	1409	5.6	171
	2012	−0.4	−12
5 Tu	0254	6.1	186
	0902	0.1	3
	1509	5.3	162
	2112	−0.2	−6
6 W	0359	6.0	183
	1005	0.2	6
	1613	5.1	155
	2210	−0.1	−3
7 Th	0503	6.1	186
	1104	0.2	6
	1714	5.1	155
	2308	−0.1	−3
8 F	0601	6.1	186
	1200	0.1	3
	1810	5.2	158
9 Sa	0002	−0.1	−3
	0652	6.2	189
	1251	0.0	0
	1901	5.3	162
10 Su	0053	−0.2	−6
	0738	6.3	192
	1337	−0.1	−3
	1946	5.4	165
11 M	0140	−0.2	−6
	0820	6.3	192
	1418	−0.1	−3
	2028	5.5	168
12 Tu ●	0222	−0.2	−6
	0859	6.3	192
	1456	−0.1	−3
	2108	5.6	171
13 W	0300	−0.2	−6
	0936	6.2	189
	1531	−0.1	−3
	2146	5.6	171
14 Th	0337	0.0	0
	1011	6.0	183
	1604	0.0	0
	2222	5.6	171
15 F	0413	0.1	3
	1046	5.8	177
	1637	0.1	3
	2259	5.6	171
16 Sa	0450	0.3	9
	1120	5.6	171
	1711	0.2	6
	2336	5.6	171
17 Su	0530	0.6	18
	1156	5.4	165
	1747	0.3	9
18 M	0015	5.6	171
	0616	0.7	21
	1236	5.1	155
	1829	0.4	12
19 Tu	0058	5.6	171
	0708	0.9	27
	1320	5.0	152
	1919	0.5	15
20 W ◐	0148	5.6	171
	0808	1.0	30
	1411	4.9	149
	2016	0.5	15
21 Th	0246	5.6	171
	0910	0.9	27
	1512	4.8	146
	2116	0.3	9
22 F	0353	5.8	177
	1011	0.7	21
	1618	5.0	152
	2218	0.1	3
23 Sa	0501	6.1	186
	1111	0.4	12
	1723	5.3	162
	2319	−0.3	−9
24 Su	0603	6.5	198
	1208	0.0	0
	1823	5.7	174
25 M	0017	−0.6	−18
	0659	6.9	210
	1301	−0.4	−12
	1919	6.1	186
26 Tu	0114	−1.0	−30
	0752	7.2	219
	1352	−0.8	−24
	2012	6.5	198
27 W ○	0207	−1.3	−40
	0843	7.4	226
	1440	−1.1	−34
	2104	6.9	210
28 Th	0259	−1.4	−43
	0932	7.4	226
	1526	−1.2	−37
	2156	7.1	216

March

	Time (h m)	Height (ft)	Height (cm)
1 F	0350	−1.3	−40
	1021	7.2	219
	1613	−1.2	−37
	2248	7.2	219
2 Sa	0442	−1.1	−34
	1111	6.9	210
	1701	−1.0	−30
	2340	7.1	216
3 Su	0537	−0.6	−18
	1200	6.5	198
	1751	−0.6	−18
4 M	0033	6.9	210
	0635	−0.2	−6
	1251	6.1	186
	1846	−0.3	−9
5 Tu ◑	0128	6.6	201
	0737	0.2	6
	1345	5.7	174
	1945	0.1	3
6 W	0228	6.3	192
	0840	0.5	15
	1444	5.4	165
	2046	0.4	12
7 Th	0332	6.1	186
	0941	0.6	18
	1547	5.2	158
	2147	0.5	15
8 F	0437	6.0	183
	1040	0.7	21
	1650	5.2	158
	2246	0.5	15
9 Sa	0535	6.1	186
	1134	0.6	18
	1746	5.4	165
	2342	0.5	15
10 Su	0626	6.2	189
	1224	0.5	15
	1836	5.6	171
11 M	0033	0.4	12
	0711	6.3	192
	1308	0.4	12
	1921	5.8	177
12 Tu	0119	0.3	9
	0752	6.3	192
	1348	0.2	6
	2002	6.0	183
13 W ●	0201	0.2	6
	0830	6.3	192
	1425	0.1	3
	2041	6.1	186
14 Th	0239	0.2	6
	0907	6.3	192
	1459	0.1	3
	2118	6.2	189
15 F	0316	0.2	6
	0942	6.1	186
	1531	0.2	6
	2154	6.3	192
16 Sa	0351	0.3	9
	1017	6.0	183
	1602	0.2	6
	2229	6.3	192
17 Su	0427	0.5	15
	1051	5.8	177
	1635	0.4	12
	2305	6.2	189
18 M	0504	0.6	18
	1127	5.6	171
	1710	0.5	15
	2342	6.2	189
19 Tu	0547	0.8	24
	1206	5.4	165
	1751	0.6	18
20 W	0025	6.1	186
	0636	1.0	30
	1249	5.3	162
	1841	0.7	21
21 Th ◐	0114	6.1	186
	0735	1.1	34
	1340	5.2	158
	1940	0.7	21
22 F	0212	6.1	186
	0838	1.1	34
	1440	5.2	158
	2046	0.6	18
23 Sa	0320	6.2	189
	0941	0.9	27
	1549	5.4	165
	2152	0.4	12
24 Su	0430	6.4	195
	1041	0.6	18
	1658	5.7	174
	2256	0.1	3
25 M	0536	6.8	207
	1139	0.2	6
	1801	6.2	189
	2358	−0.3	−9
26 Tu	0634	7.1	216
	1234	−0.2	−6
	1858	6.8	207
27 W	0056	−0.7	−21
	0728	7.4	226
	1325	−0.6	−18
	1953	7.3	223
28 Th ○	0151	−1.0	−30
	0820	7.5	229
	1414	−0.9	−27
	2045	7.6	232
29 F	0244	−1.1	−34
	0910	7.4	226
	1501	−1.0	−30
	2137	7.8	238
30 Sa	0335	−1.0	−30
	1000	7.2	219
	1548	−0.9	−27
	2228	7.8	238
31 Su	0426	−0.7	−21
	1049	6.9	210
	1635	−0.6	−18
	2319	7.6	232

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

Fernandina Beach, Amelia River, Florida, 2002

Times and Heights of High and Low Waters

April

	Time (h m)	Height (ft)	Height (cm)
1 M	0519	–0.3	–9
	1139	6.6	201
	1725	–0.2	–6
2 Tu	0010	7.3	223
	0614	0.1	3
	1229	6.2	189
	1818	0.3	9
3 W	0104	6.9	210
	0713	0.6	18
	1322	5.8	177
	1917	0.7	21
4 Th ◑	0200	6.5	198
	0814	0.8	24
	1418	5.6	171
	2019	1.0	30
5 F	0300	6.2	189
	0914	1.0	30
	1518	5.4	165
	2121	1.1	34
6 Sa	0402	6.0	183
	1009	1.0	30
	1619	5.5	168
	2220	1.1	34
7 Su	0500	6.0	183
	1101	1.0	30
	1716	5.7	174
	2316	1.1	34
8 M	0551	6.1	186
	1148	0.8	24
	1806	5.9	180
9 Tu	0007	0.9	27
	0636	6.2	189
	1232	0.7	21
	1851	6.2	189
10 W	0054	0.8	24
	0717	6.3	192
	1312	0.5	15
	1932	6.5	198
11 Th	0136	0.6	18
	0757	6.3	192
	1349	0.4	12
	2012	6.7	204
12 F ●	0216	0.5	15
	0835	6.3	192
	1424	0.3	9
	2049	6.8	207
13 Sa	0253	0.5	15
	0912	6.2	189
	1457	0.3	9
	2126	6.8	207
14 Su	0329	0.5	15
	0949	6.0	183
	1530	0.4	12
	2202	6.8	207
15 M	0405	0.6	18
	1026	5.9	180
	1604	0.5	15
	2239	6.8	207
16 Tu	0443	0.7	21
	1103	5.7	174
	1641	0.6	18
	2318	6.7	204
17 W	0525	0.9	27
	1144	5.6	171
	1724	0.7	21
18 Th	0002	6.6	201
	0614	1.0	30
	1229	5.5	168
	1815	0.8	24
19 F	0052	6.6	201
	0712	1.1	34
	1321	5.5	168
	1917	0.9	27
20 Sa ◐	0150	6.5	198
	0813	1.0	30
	1421	5.6	171
	2024	0.8	24
21 Su	0255	6.5	198
	0915	0.8	24
	1529	5.8	177
	2132	0.6	18
22 M	0403	6.7	204
	1014	0.5	15
	1637	6.3	192
	2237	0.3	9
23 Tu	0509	6.9	210
	1111	0.2	6
	1741	6.8	207
	2340	0.0	0
24 W	0608	7.1	216
	1206	–0.2	–6
	1839	7.3	223
25 Th	0039	–0.3	–9
	0703	7.2	219
	1258	–0.5	–15
	1933	7.8	238
26 F ○	0135	–0.6	–18
	0755	7.2	219
	1348	–0.7	–21
	2025	8.0	244
27 Sa	0228	–0.7	–21
	0847	7.1	216
	1436	–0.8	–24
	2117	8.1	247
28 Su	0319	–0.6	–18
	0937	7.0	213
	1523	–0.6	–18
	2207	8.0	244
29 M	0408	–0.4	–12
	1027	6.7	204
	1610	–0.3	–9
	2258	7.7	235
30 Tu	0459	0.0	0
	1117	6.4	195
	1659	0.2	6
	2348	7.3	223

May

	Time (h m)	Height (ft)	Height (cm)
1 W	0551	0.4	12
	1206	6.1	186
	1751	0.6	18
2 Th	0038	6.9	210
	0647	0.8	24
	1257	5.8	177
	1848	1.1	34
3 F	0130	6.5	198
	0744	1.0	30
	1350	5.6	171
	1949	1.4	43
4 Sa ◑	0223	6.2	189
	0840	1.1	34
	1445	5.6	171
	2050	1.5	46
5 Su	0319	6.0	183
	0932	1.1	34
	1543	5.7	174
	2149	1.5	46
6 M	0414	5.9	180
	1021	1.1	34
	1638	5.9	180
	2243	1.4	43
7 Tu	0505	5.9	180
	1106	0.9	27
	1729	6.2	189
	2334	1.2	37
8 W	0553	6.0	183
	1149	0.8	24
	1816	6.5	198
9 Th	0022	1.1	34
	0637	6.1	186
	1230	0.6	18
	1859	6.7	204
10 F	0107	0.9	27
	0720	6.1	186
	1310	0.5	15
	1940	7.0	213
11 Sa	0148	0.7	21
	0801	6.1	186
	1348	0.4	12
	2019	7.1	216
12 Su ●	0228	0.6	18
	0841	6.0	183
	1425	0.4	12
	2058	7.1	216
13 M	0306	0.5	15
	0922	5.9	180
	1502	0.4	12
	2138	7.1	216
14 Tu	0344	0.5	15
	1002	5.8	177
	1539	0.4	12
	2219	7.1	216
15 W	0424	0.6	18
	1044	5.8	177
	1620	0.5	15
	2302	7.0	213
16 Th	0508	0.7	21
	1128	5.7	174
	1706	0.6	18
	2349	6.9	210
17 F	0558	0.8	24
	1216	5.7	174
	1800	0.7	21
18 Sa	0040	6.8	207
	0654	0.8	24
	1310	5.8	177
	1902	0.8	24
19 Su ◐	0135	6.8	207
	0753	0.7	21
	1409	5.9	180
	2010	0.8	24
20 M	0235	6.7	204
	0852	0.5	15
	1514	6.2	189
	2116	0.6	18
21 Tu	0339	6.7	204
	0949	0.2	6
	1620	6.6	201
	2221	0.4	12
22 W	0442	6.7	204
	1044	–0.1	–3
	1722	7.1	216
	2323	0.1	3
23 Th	0542	6.7	204
	1139	–0.3	–9
	1820	7.5	229
24 F	0022	–0.1	–3
	0638	6.8	207
	1232	–0.5	–15
	1914	7.8	238
25 Sa	0118	–0.3	–9
	0732	6.7	204
	1323	–0.6	–18
	2006	8.0	244
26 Su ○	0211	–0.4	–12
	0824	6.6	201
	1412	–0.5	–15
	2057	8.0	244
27 M	0301	–0.3	–9
	0915	6.5	198
	1500	–0.3	–9
	2148	7.8	238
28 Tu	0349	–0.1	–3
	1005	6.3	192
	1547	0.0	0
	2236	7.5	229
29 W	0437	0.2	6
	1054	6.1	186
	1634	0.4	12
	2324	7.1	216
30 Th	0526	0.5	15
	1142	5.9	180
	1723	0.8	24
31 F	0011	6.7	204
	0617	0.8	24
	1230	5.7	174
	1816	1.2	37

June

	Time (h m)	Height (ft)	Height (cm)
1 Sa	0057	6.4	195
	0709	1.0	30
	1318	5.6	171
	1914	1.4	43
2 Su ◑	0144	6.1	186
	0800	1.0	30
	1409	5.6	171
	2013	1.6	49
3 M	0232	5.9	180
	0849	1.0	30
	1501	5.7	174
	2111	1.6	49
4 Tu	0323	5.7	174
	0935	0.9	27
	1555	5.9	180
	2205	1.5	46
5 W	0415	5.7	174
	1019	0.8	24
	1647	6.2	189
	2256	1.3	40
6 Th	0505	5.7	174
	1103	0.7	21
	1736	6.4	195
	2345	1.1	34
7 F	0554	5.7	174
	1147	0.5	15
	1822	6.7	204
8 Sa	0033	0.9	27
	0641	5.7	174
	1230	0.4	12
	1906	6.9	210
9 Su	0117	0.7	21
	0726	5.8	177
	1313	0.3	9
	1950	7.1	216
10 M ●	0200	0.5	15
	0810	5.8	177
	1355	0.2	6
	2033	7.2	219
11 Tu	0242	0.4	12
	0855	5.8	177
	1436	0.1	3
	2117	7.2	219
12 W	0324	0.3	9
	0940	5.8	177
	1519	0.1	3
	2202	7.2	219
13 Th	0407	0.3	9
	1027	5.8	177
	1604	0.1	3
	2249	7.2	219
14 F	0452	0.3	9
	1115	5.8	177
	1654	0.2	6
	2338	7.1	216
15 Sa	0542	0.3	9
	1206	5.9	180
	1749	0.4	12
16 Su	0028	7.0	213
	0636	0.3	9
	1300	6.0	183
	1851	0.5	15
17 M ◐	0121	6.8	207
	0732	0.2	6
	1358	6.2	189
	1957	0.5	15
18 Tu	0217	6.6	201
	0829	0.0	0
	1500	6.5	198
	2102	0.5	15
19 W	0317	6.5	198
	0925	–0.1	–3
	1603	6.8	207
	2205	0.4	12
20 Th	0418	6.3	192
	1020	–0.3	–9
	1704	7.1	216
	2306	0.2	6
21 F	0518	6.3	192
	1114	–0.4	–12
	1802	7.4	226
22 Sa	0005	0.1	3
	0616	6.2	189
	1208	–0.4	–12
	1857	7.6	232
23 Su	0101	0.0	0
	0710	6.2	189
	1300	–0.4	–12
	1949	7.6	232
24 M ○	0153	–0.1	–3
	0802	6.1	186
	1351	–0.3	–9
	2039	7.6	232
25 Tu	0242	–0.1	–3
	0853	6.0	183
	1439	–0.1	–3
	2128	7.4	226
26 W	0329	0.0	0
	0942	5.9	180
	1525	0.1	3
	2214	7.1	216
27 Th	0414	0.2	6
	1029	5.8	177
	1610	0.4	12
	2258	6.8	207
28 F	0458	0.5	15
	1115	5.7	174
	1656	0.8	24
	2341	6.5	198
29 Sa	0543	0.7	21
	1200	5.6	171
	1744	1.1	34
30 Su	0022	6.2	189
	0628	0.8	24
	1244	5.6	171
	1836	1.4	43

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

Fernandina Beach, Amelia River, Florida, 2002

Times and Heights of High and Low Waters

July

	Time	Height			Time	Height	
	h m	ft	cm		h m	ft	cm
1 M	0103	5.9	180	16 Tu ◐	0105	6.8	207
	0714	0.9	27		0709	–0.2	–6
	1330	5.6	171		1344	6.6	201
	1932	1.5	46		1944	0.4	12
2 Tu ◑	0146	5.7	174	17 W	0159	6.5	198
	0800	0.9	27		0806	–0.2	–6
	1418	5.7	174		1443	6.7	204
	2028	1.5	46		2048	0.4	12
3 W	0233	5.5	168	18 Th	0256	6.2	189
	0846	0.8	24		0902	–0.2	–6
	1508	5.9	180		1545	6.9	210
	2122	1.5	46		2150	0.4	12
4 Th	0324	5.4	165	19 F	0357	6.0	183
	0932	0.7	21		0958	–0.2	–6
	1601	6.1	186		1647	7.0	213
	2215	1.3	40		2250	0.4	12
5 F	0417	5.4	165	20 Sa	0458	5.9	180
	1017	0.6	18		1053	–0.2	–6
	1654	6.3	192		1746	7.2	219
	2306	1.2	37		2348	0.3	9
6 Sa	0510	5.4	165	21 Su	0556	5.9	180
	1104	0.5	15		1148	–0.2	–6
	1744	6.6	201		1841	7.2	219
	2356	0.9	27				
7 Su	0602	5.5	168	22 M	0043	0.2	6
	1152	0.3	9		0651	5.9	180
	1834	6.8	207		1241	–0.1	–3
					1932	7.2	219
8 M	0045	0.7	21	23 Tu	0134	0.2	6
	0652	5.6	171		0742	5.9	180
	1240	0.1	3		1332	0.0	0
	1921	7.0	213		2020	7.2	219
9 Tu	0132	0.5	15	24 W ○	0222	0.2	6
	0740	5.7	174		0831	5.9	180
	1328	–0.1	–3		1420	0.1	3
	2009	7.2	219		2106	7.0	213
10 W ●	0217	0.2	6	25 Th	0305	0.2	6
	0829	5.8	177		0918	5.8	177
	1415	–0.2	–6		1504	0.3	9
	2057	7.3	223		2149	6.8	207
11 Th	0302	0.1	3	26 F	0347	0.3	9
	0918	5.9	180		1002	5.8	177
	1502	–0.3	–9		1547	0.5	15
	2145	7.4	226		2229	6.6	201
12 F	0347	–0.1	–3	27 Sa	0426	0.4	12
	1009	6.0	183		1045	5.7	174
	1551	–0.3	–9		1629	0.8	24
	2234	7.3	223		2308	6.3	192
13 Sa	0433	–0.1	–3	28 Su	0505	0.6	18
	1101	6.2	189		1126	5.7	174
	1642	–0.1	–3		1712	1.0	30
	2323	7.2	219		2346	6.1	186
14 Su	0522	–0.2	–6	29 M	0544	0.7	21
	1153	6.3	192		1207	5.7	174
	1738	0.0	0		1758	1.3	40
15 M	0013	7.0	213	30 Tu	0024	5.8	177
	0614	–0.2	–6		0625	0.8	24
	1247	6.5	198		1249	5.8	177
	1839	0.2	6		1849	1.4	43
				31 W	0104	5.6	171
					0709	0.9	27
					1334	5.9	180
					1943	1.5	46

August

	Time	Height			Time	Height	
	h m	ft	cm		h m	ft	cm
1 Th ◑	0148	5.4	165	16 F	0237	6.1	186
	0755	0.8	24		0840	0.0	0
	1422	5.9	180		1527	6.9	210
	2038	1.5	46		2134	0.6	18
2 F	0237	5.3	162	17 Sa	0338	5.9	180
	0844	0.8	24		0938	0.1	3
	1514	6.1	186		1629	6.9	210
	2133	1.4	43		2233	0.6	18
3 Sa	0331	5.3	162	18 Su	0440	5.8	177
	0934	0.7	21		1035	0.2	6
	1611	6.3	192		1729	6.9	210
	2226	1.2	37		2329	0.6	18
4 Su	0428	5.3	162	19 M	0538	5.8	177
	1025	0.5	15		1131	0.2	6
	1707	6.5	198		1823	7.0	213
	2319	1.0	30				
5 M	0525	5.4	165	20 Tu	0023	0.5	15
	1118	0.3	9		0632	5.9	180
	1802	6.8	207		1225	0.3	9
					1913	7.0	213
6 Tu	0012	0.7	21	21 W	0112	0.5	15
	0620	5.6	171		0722	5.9	180
	1212	0.1	3		1315	0.3	9
	1855	7.1	216		1958	7.0	213
7 W	0102	0.4	12	22 Th ○	0157	0.4	12
	0713	5.9	180		0808	6.0	183
	1304	–0.2	–6		1401	0.4	12
	1945	7.4	226		2040	6.9	210
8 Th ●	0151	0.1	3	23 F	0238	0.4	12
	0805	6.1	186		0852	6.1	186
	1356	–0.4	–12		1444	0.5	15
	2035	7.5	229		2120	6.7	204
9 F	0238	–0.2	–6	24 Sa	0316	0.4	12
	0857	6.4	195		0933	6.1	186
	1446	–0.5	–15		1524	0.6	18
	2125	7.6	232		2157	6.5	198
10 Sa	0324	–0.4	–12	25 Su	0351	0.5	15
	0950	6.6	201		1012	6.1	186
	1537	–0.5	–15		1603	0.8	24
	2215	7.5	229		2234	6.3	192
11 Su	0411	–0.5	–15	26 M	0426	0.6	18
	1043	6.8	207		1051	6.1	186
	1630	–0.4	–12		1642	1.0	30
	2305	7.3	223		2310	6.1	186
12 M	0459	–0.5	–15	27 Tu	0501	0.7	21
	1136	6.9	210		1130	6.1	186
	1725	–0.1	–3		1723	1.2	37
	2355	7.1	216		2347	5.8	177
13 Tu	0550	–0.4	–12	28 W	0538	0.9	27
	1230	7.0	213		1209	6.1	186
	1825	0.1	3		1808	1.4	43
14 W	0046	6.7	204	29 Th	0026	5.6	171
	0645	–0.3	–9		0619	1.0	30
	1326	7.0	213		1252	6.1	186
	1928	0.4	12		1859	1.5	46
15 Th ◐	0140	6.4	195	30 F ◑	0109	5.5	168
	0742	–0.1	–3		0705	1.0	30
	1425	7.0	213		1338	6.1	186
	2032	0.5	15		1955	1.6	49
				31 Sa	0156	5.4	165
					0758	1.0	30
					1431	6.2	189
					2052	1.5	46

September

	Time	Height			Time	Height	
	h m	ft	cm		h m	ft	cm
1 Su	0251	5.3	162	16 M	0421	5.8	177
	0854	0.9	27		1018	0.7	21
	1530	6.3	192		1708	6.7	204
	2149	1.3	40		2308	0.9	27
2 M	0351	5.4	165	17 Tu	0519	5.9	180
	0952	0.7	21		1114	0.7	21
	1633	6.6	201		1801	6.8	207
	2245	1.1	34		2359	0.8	24
3 Tu	0453	5.6	171	18 W	0612	6.0	183
	1050	0.4	12		1207	0.7	21
	1733	6.9	210		1848	6.8	207
	2340	0.8	24				
4 W	0552	5.9	180	19 Th	0046	0.7	21
	1147	0.1	3		0700	6.2	189
	1828	7.2	219		1256	0.6	18
					1931	6.8	207
5 Th	0033	0.4	12	20 F	0128	0.6	18
	0648	6.3	192		0743	6.3	192
	1244	–0.2	–6		1341	0.6	18
	1921	7.5	229		2010	6.7	204
6 F ●	0124	0.0	0	21 Sa ○	0207	0.5	15
	0742	6.7	204		0824	6.4	195
	1338	–0.5	–15		1422	0.6	18
	2012	7.7	235		2048	6.6	201
7 Sa	0212	–0.4	–12	22 Su	0242	0.5	15
	0836	7.1	216		0903	6.5	198
	1431	–0.7	–21		1501	0.7	21
	2102	7.7	235		2125	6.4	195
8 Su	0259	–0.6	–18	23 M	0316	0.5	15
	0929	7.3	223		0940	6.5	198
	1523	–0.7	–21		1538	0.8	24
	2153	7.6	232		2201	6.2	189
9 M	0346	–0.7	–21	24 Tu	0349	0.6	18
	1022	7.5	229		1017	6.5	198
	1615	–0.5	–15		1615	1.0	30
	2243	7.4	226		2237	6.0	183
10 Tu	0434	–0.6	–18	25 W	0422	0.7	21
	1116	7.5	229		1054	6.5	198
	1710	–0.2	–6		1653	1.2	37
	2334	7.0	213		2314	5.8	177
11 W	0524	–0.4	–12	26 Th	0457	0.9	27
	1210	7.5	229		1133	6.4	195
	1808	0.2	6		1734	1.3	40
					2353	5.6	171
12 Th	0026	6.7	204	27 F	0536	1.0	30
	0619	–0.1	–3		1215	6.4	195
	1305	7.3	223		1822	1.5	46
	1909	0.5	15				
13 F ◐	0120	6.3	192	28 Sa	0035	5.5	168
	0717	0.2	6		0623	1.1	34
	1404	7.1	216		1301	6.3	192
	2013	0.7	21		1917	1.5	46
14 Sa	0218	6.0	183	29 Su ◑	0122	5.4	165
	0818	0.4	12		0718	1.1	34
	1506	6.9	210		1355	6.3	192
	2115	0.9	27		2016	1.5	46
15 Su	0318	5.9	180	30 M	0217	5.4	165
	0919	0.6	18		0820	1.0	30
	1608	6.8	207		1456	6.4	195
	2213	0.9	27		2116	1.3	40

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

Fernandina Beach, Amelia River, Florida, 2002

Times and Heights of High and Low Waters

October

	Time	Height			Time	Height			Time	Height			Time	Height			Time	Height		
	h m	ft	cm		h m	ft	cm		h m	ft	cm		h m	ft	cm		h m	ft	cm	
1 Tu	0320	5.5	168	16 W	0455	5.8	177	1 F	0508	6.4	195	16 Sa	0601	6.1	186	1 Su	0549	6.9	210	16 M
	0924	0.8	24		1054	1.0	30		1108	0.1	3		1206	0.8	24		1151	−0.4	−12	
	1601	6.6	201		1730	6.4	195		1735	6.9	210		1822	5.8	177		1808	6.4	195	
	2214	1.0	30		2328	0.8	24		2336	−0.2	−6									
2 W	0426	5.8	177	17 Th	0547	6.1	186	2 Sa	0607	7.0	213	17 Su	0016	0.4	12	2 M	0004	−0.9	−27	17 Tu
	1026	0.5	15		1146	0.9	27		1208	−0.3	−9		0644	6.4	195		0646	7.3	223	
	1704	6.9	210		1816	6.4	195		1831	7.0	213		1252	0.6	18		1249	−0.6	−18	
	2310	0.6	18										1904	5.8	177		1903	6.4	195	
3 Th	0529	6.3	192	18 F	0013	0.7	21	3 Su	0029	−0.6	−18	18 M	0056	0.2	6	3 Tu	0057	−1.1	−34	18 W
	1126	0.2	6		0633	6.3	192		0703	7.5	229		0725	6.6	201		0740	7.6	232	
	1802	7.2	219		1234	0.8	24		1305	−0.6	−18		1334	0.5	15		1344	−0.8	−24	
					1858	6.4	195		1924	7.1	216		1944	5.8	177		1956	6.4	195	
4 F	0004	0.2	6	19 Sa	0054	0.5	15	4 M	0120	−0.9	−27	19 Tu	0135	0.1	3	4 W	0148	−1.2	−37	19 Th
	0627	6.8	207		0715	6.5	198		0756	7.8	238		0805	6.7	204		0832	7.7	235	
	1225	−0.2	−6		1318	0.7	21		1359	−0.8	−24		1413	0.4	12		1435	−0.9	−27	
	1856	7.4	226		1938	6.4	195	●	2016	7.1	216	○	2024	5.8	177	●	2048	6.3	192	○
5 Sa	0056	−0.2	−6	20 Su	0132	0.4	12	5 Tu	0209	−1.0	−30	20 W	0211	0.1	3	5 Th	0237	−1.1	−34	20 F
	0722	7.3	223		0755	6.7	204		0849	8.0	244		0844	6.7	204		0924	7.6	232	
	1321	−0.5	−15		1359	0.6	18		1451	−0.8	−24		1451	0.3	9		1525	−0.8	−24	
	1948	7.6	232		2016	6.3	192		2108	7.0	213		2103	5.7	174		2139	6.2	189	
6 Su	0145	−0.6	−18	21 M	0208	0.4	12	6 W	0258	−1.0	−30	21 Th	0247	0.1	3	6 F	0326	−0.9	−27	21 Sa
	0815	7.7	235		0833	6.8	207		0941	8.0	244		0923	6.7	204		1015	7.3	223	
	1415	−0.7	−21		1438	0.6	18		1542	−0.6	−18		1528	0.4	12		1613	−0.5	−15	
●	2039	7.6	232	○	2053	6.2	189		2159	6.7	204		2142	5.6	171		2229	6.0	183	
7 M	0233	−0.8	−24	22 Tu	0242	0.4	12	7 Th	0346	−0.8	−24	22 F	0323	0.1	3	7 Sa	0414	−0.6	−18	22 Su
	0908	7.9	241		0910	6.8	207		1034	7.8	238		1002	6.6	201		1104	7.0	213	
	1507	−0.7	−21		1514	0.7	21		1633	−0.3	−9		1605	0.4	12		1702	−0.2	−6	
	2130	7.4	226		2131	6.0	183		2251	6.4	195		2222	5.4	165		2318	5.7	174	
8 Tu	0321	−0.8	−24	23 W	0316	0.5	15	8 F	0435	−0.4	−12	23 Sa	0401	0.2	6	8 Su	0503	−0.1	−3	23 M
	1001	8.0	244		0947	6.7	204		1126	7.4	226		1043	6.5	198		1152	6.6	201	
	1559	−0.5	−15		1550	0.8	24		1726	0.0	0		1646	0.5	15		1753	0.1	3	
	2221	7.2	219		2208	5.8	177		2342	6.1	186		2303	5.3	162					
9 W	0409	−0.6	−18	24 Th	0349	0.6	18	9 Sa	0528	0.1	3	24 Su	0443	0.3	9	9 M	0007	5.5	168	24 Tu
	1054	7.9	241		1025	6.7	204		1219	7.0	213		1126	6.5	198		0555	0.3	9	
	1652	−0.2	−6		1627	0.9	27		1822	0.4	12		1731	0.6	18		1240	6.2	189	
	2312	6.8	207		2245	5.7	174						2348	5.3	162		1845	0.4	12	
10 Th	0459	−0.3	−9	25 F	0424	0.7	21	10 Su	0035	5.8	177	25 M	0531	0.4	12	10 Tu	0057	5.3	162	25 W
	1148	7.6	232		1104	6.6	201		0624	0.5	15		1213	6.4	195		0652	0.7	21	
	1748	0.2	6		1707	1.0	30		1312	6.6	201		1822	0.6	18		1327	5.8	177	
					2325	5.5	168		1921	0.7	21						1938	0.5	15	
11 F	0005	6.5	198	26 Sa	0504	0.8	24	11 M	0129	5.6	171	26 Tu	0038	5.3	162	11 W	0148	5.2	158	26 Th
	0553	0.1	3		1146	6.5	198		0726	0.9	27		0628	0.5	15		0752	0.9	27	
	1243	7.3	223		1753	1.2	37		1406	6.3	192		1305	6.3	192		1416	5.5	168	
	1847	0.6	18					◐	2019	0.8	24		1920	0.6	18	◐	2030	0.6	18	◑
12 Sa	0059	6.2	189	27 Su	0008	5.4	165	12 Tu	0225	5.5	168	27 W	0134	5.4	165	12 Th	0242	5.2	158	27 F
	0652	0.5	15		0551	0.9	27		0829	1.1	34		0733	0.5	15		0852	1.0	30	
	1340	7.0	213		1233	6.4	195		1502	6.0	183		1402	6.2	189		1507	5.3	162	
	1950	0.8	24		1847	1.2	37		2114	0.9	27	◑	2019	0.4	12		2119	0.6	18	
13 Su	0155	5.9	180	28 M	0056	5.4	165	13 W	0324	5.5	168	28 Th	0236	5.6	171	13 F	0337	5.3	162	28 Sa
	0755	0.8	24		0648	0.9	27		0930	1.1	34		0841	0.4	12		0949	1.0	30	
	1440	6.7	204		1327	6.4	195		1557	5.8	177		1504	6.2	189		1600	5.1	155	
◐	2051	1.0	30		1946	1.2	37		2204	0.8	24		2117	0.1	3		2206	0.5	15	
14 M	0255	5.7	174	29 Tu	0152	5.4	165	14 Th	0421	5.6	171	29 F	0343	6.0	183	14 Sa	0432	5.5	168	29 Su
	0858	1.0	30		0754	0.9	27		1026	1.1	34		0947	0.2	6		1042	0.9	27	
	1540	6.5	198		1427	6.4	195		1649	5.8	177		1608	6.2	189		1652	5.1	155	
	2148	1.0	30	◑	2047	1.0	30		2250	0.7	21		2214	−0.2	−6		2251	0.3	9	
15 Tu	0357	5.7	174	30 W	0256	5.6	171	15 F	0514	5.9	180	30 Sa	0448	6.4	195	15 Su	0523	5.8	177	30 M
	0958	1.0	30		0900	0.7	21		1118	1.0	30		1051	−0.1	−3		1133	0.7	21	
	1638	6.4	195		1531	6.5	198		1737	5.8	177		1710	6.3	192		1742	5.2	158	
	2240	0.9	27		2145	0.7	21		2334	0.5	15		2309	−0.6	−18		2336	0.2	6	
				31 Th	0403	6.0	183													31 Tu
					1005	0.4	12													
					1635	6.7	204													
					2241	0.3	9													

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