





**Times and Tides - Portland, Maine
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	2:12 AM	19.2 ft.	8:18 AM	8.6 ft.
	2:42 PM	20.3 ft.	9:12 PM	7.2 ft.
Mon, Dec 13, 1993	3:06 AM	18.6 ft.	9:06 AM	8.5 ft.
	3:30 PM	20.4 ft.	9:48 PM	7.8 ft.
Tue, Dec 14, 1993	4:24 AM	18.6 ft.	9:54 AM	8.5 ft.
	4:00 PM	20.3 ft.	10:42 PM	7.7 ft.
Wed, Dec 15, 1993	4:48 AM	18.8 ft.	10:48 AM	8.4 ft.
	5:00 PM	20.1 ft.	11:24 PM	7.7 ft.
Thu, Dec 16, 1993	5:48 AM	19.1 ft.	11:36 AM	9.2 ft.
	5:54 PM	20.4 ft.		
Fri, Dec 17, 1993	6:30 AM	19.1 ft.	12:06 AM	9.1 ft.
	6:30 PM	18.8 ft.	12:30 PM	9.9 ft.
Sat, Dec 18, 1993	7:24 AM	17.7 ft.	1:00 AM	8.2 ft.
	7:36 PM	18.1 ft.	1:06 PM	9.0 ft.
Sun, Dec 19, 1993	8:06 AM	18.1 ft.	1:48 AM	8.6 ft.
	8:36 PM	18.2 ft.	2:06 PM	9.7 ft.

**Times and Tides - Charleston, South Carolina
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	11:48 AM	9.0 ft.	4:54 AM	1.3 ft.
	11:54 PM	8.4 ft.	6:00 PM	2.3 ft.
Mon, Dec 13, 1993			6:00 AM	2.2 ft.
	12:48 PM	9.7 ft.	7:18 PM	2.6 ft.
Tue, Dec 14, 1993	12:48 AM	8.7 ft.	6:42 AM	2.6 ft.
	1:30 PM	10.0 ft.	7:54 PM	3.0 ft.
Wed, Dec 15, 1993	1:24 AM	8.5 ft.	7:36 AM	2.3 ft.
	2:00 PM	9.0 ft.	8:54 PM	1.9 ft.
Thu, Dec 16, 1993	2:24 AM	7.4 ft.	8:18 AM	2.0 ft.
	3:18 PM	8.6 ft.	9:12 PM	2.5 ft.
Fri, Dec 17, 1993	3:18 AM	8.1 ft.	9:18 AM	3.3 ft.
	3:54 PM	9.1 ft.	10:12 PM	3.4 ft.
Sat, Dec 18, 1993	3:54 AM	8.3 ft.	10:18 AM	3.8 ft.
	4:36 PM	8.8 ft.	10:42 PM	3.4 ft.
Sun, Dec 19, 1993	4:42 AM	8.2 ft.	11:06 AM	3.5 ft.
	5:24 PM	8.2 ft.	11:12 PM	3.7 ft.

**Times and Tides - Cedar Key, Florida
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993			7:42 AM	.3 ft.
	2:24 PM	4.2 ft.	6:24 PM	3.2 ft.
Mon, Dec 13, 1993	12:42 AM	5.8 ft.	7:54 AM	1.1 ft.
	2:54 PM	5.1 ft.	6:54 PM	3.8 ft.
Tue, Dec 14, 1993	1:36 AM	6.6 ft.	7:30 AM	3.4 ft.
	3:30 PM	5.9 ft.	8:24 PM	4.2 ft.
Wed, Dec 15, 1993	1:48 AM	6.3 ft.	9:54 AM	1.4 ft.
	4:18 PM	4.1 ft.	9:12 PM	2.8 ft.
Thu, Dec 16, 1993	2:42 AM	5.0 ft.	9:54 AM	1.2 ft.
	4:24 PM	4.0 ft.	9:30 PM	2.5 ft.
Fri, Dec 17, 1993	3:24 AM	4.8 ft.	10:24 AM	1.3 ft.
	4:54 PM	4.4 ft.	10:18 PM	2.6 ft.
Sat, Dec 18, 1993	4:12 AM	4.9 ft.	11:00 AM	1.7 ft.
	5:30 PM	4.7 ft.	10:54 PM	2.9 ft.
Sun, Dec 19, 1993	4:48 AM	4.9 ft.	11:48 AM	2.0 ft.
	6:30 PM	4.9 ft.		

**Times and Tides - Galveston PP, Texas
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993			7:54 AM	3.2 ft.
	5:06 PM	6.5 ft.	8:06 PM	6.1 ft.
Mon, Dec 13, 1993	12:54 AM	6.6 ft.	9:12 AM	3.2 ft.
	4:48 PM	5.9 ft.		
Tue, Dec 14, 1993			10:06 AM	.5 ft.
	6:00 PM	3.7 ft.	11:54 PM	2.9 ft.
Wed, Dec 15, 1993	3:54 AM	3.7 ft.	9:54 AM	1.7 ft.
	6:24 PM	5.3 ft.	10:42 PM	4.4 ft.
Thu, Dec 16, 1993	2:54 AM	4.9 ft.	10:36 AM	3.3 ft.
	6:54 PM	5.6 ft.		
Fri, Dec 17, 1993	5:00 AM	5.0 ft.	2:48 AM	4.8 ft.
	8:30 PM	5.6 ft.	12:18 PM	3.5 ft.
Sat, Dec 18, 1993	4:36 AM	4.6 ft.	2:12 AM	4.5 ft.
	7:30 PM	5.2 ft.	12:00 PM	3.4 ft.
Sun, Dec 19, 1993	8:54 AM	5.0 ft.	1:42 AM	4.4 ft.
	9:00 PM	5.8 ft.	12:48 PM	4.7 ft.

**Times and Tides - Galveston P21, Texas
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	12:06 AM 5:30 PM	5.7 ft. 6.2 ft.	8:48 AM 8:30 PM	4.1 ft. 6.1 ft.
Mon, Dec 13, 1993	1:42 AM 5:54 PM	6.7 ft. 6.2 ft.	9:24 AM	4.4 ft.
Tue, Dec 14, 1993	6:30 PM	4.0 ft.	10:24 AM 10:36 PM	1.6 ft. 3.6 ft.
Wed, Dec 15, 1993	4:24 AM 6:54 PM	4.0 ft. 5.3 ft.	11:00 AM 10:30 PM	2.7 ft. 4.9 ft.
Thu, Dec 16, 1993	4:06 AM 7:24 PM	5.5 ft. 5.6 ft.	11:18 AM	4.2 ft.
Fri, Dec 17, 1993	8:36 PM	5.6 ft.	1:24 PM	4.2 ft.
Sat, Dec 18, 1993	8:24 PM	5.5 ft.	1:18 PM	4.2 ft.
Sun, Dec 19, 1993	9:06 AM 9:42 PM	5.5 ft. 6.0 ft.	2:00 AM 12:36 PM	5.1 ft. 5.3 ft.

**Times and Tides - Los Angeles, California
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	4:24 AM 3:42 PM	8.0 ft. 10.8 ft.	9:18 AM 10:36 PM	5.5 ft. 2.1 ft.
Mon, Dec 13, 1993	5:12 AM 4:30 PM	8.0 ft. 10.7 ft.	10:18 AM 11:24 PM	5.7 ft. 2.2 ft.
Tue, Dec 14, 1993	5:54 AM 5:00 PM	8.1 ft. 10.6 ft.	10:36 AM	5.8 ft.
Wed, Dec 15, 1993	6:54 AM 5:36 PM	8.1 ft. 10.2 ft.	12:24 AM 11:30 AM	2.6 ft. 5.9 ft.
Thu, Dec 16, 1993	7:18 AM 6:24 PM	8.1 ft. 9.6 ft.	1:00 AM 12:24 PM	2.7 ft. 6.0 ft.
Fri, Dec 17, 1993	8:18 AM 7:12 PM	7.9 ft. 8.9 ft.	1:36 AM 1:12 PM	3.2 ft. 6.2 ft.
Sat, Dec 18, 1993	8:42 AM 7:48 PM	7.9 ft. 8.2 ft.	2:24 AM 2:24 PM	3.8 ft. 6.3 ft.
Sun, Dec 19, 1993	10:00 AM 8:18 PM	8.0 ft. 7.4 ft.	3:12 AM 3:24 PM	4.3 ft. 6.3 ft.

**Times and Tides - Astoria, Oregon
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	8:36 AM	10.6 ft.	2:18 AM	2.2 ft.
	7:42 PM	13.0 ft.	1:42 PM	5.3 ft.
Mon, Dec 13, 1993	9:30 AM	11.0 ft.	3:12 AM	1.7 ft.
	8:30 PM	13.6 ft.	2:36 PM	5.8 ft.
Tue, Dec 14, 1993	10:18 AM	11.3 ft.	4:00 AM	1.8 ft.
	9:12 PM	13.0 ft.	3:36 PM	5.6 ft.
Wed, Dec 15, 1993	10:54 AM	10.8 ft.	4:48 AM	1.6 ft.
	10:00 PM	12.1 ft.	4:24 PM	4.9 ft.
Thu, Dec 16, 1993	11:42 AM	10.5 ft.	5:18 AM	1.4 ft.
	10:48 PM	11.2 ft.	5:06 PM	4.7 ft.
Fri, Dec 17, 1993	12:24 PM	10.2 ft.	5:54 AM	1.4 ft.
	11:30 PM	10.3 ft.	5:54 PM	4.5 ft.
Sat, Dec 18, 1993			6:24 AM	1.5 ft.
	1:06 PM	9.9 ft.	6:48 PM	4.3 ft.
Sun, Dec 19, 1993	12:24 AM	9.3 ft.	6:54 AM	2.0 ft.
	1:42 PM	9.8 ft.	7:42 PM	4.2 ft.

**Times and Tides - Neah Bay, Washington
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	7:48 AM	9.3 ft.	1:48 AM	1.3 ft.
	6:54 PM	12.4 ft.	12:42 PM	6.1 ft.
Mon, Dec 13, 1993	9:00 AM	10.2 ft.	2:24 AM	.9 ft.
	7:42 PM	13.2 ft.	1:24 PM	7.2 ft.
Tue, Dec 14, 1993	9:48 AM	10.2 ft.	3:12 AM	1.0 ft.
	8:30 PM	12.3 ft.	2:36 PM	6.5 ft.
Wed, Dec 15, 1993	10:24 AM	9.5 ft.	4:00 AM	.3 ft.
	9:12 PM	11.3 ft.	3:24 PM	5.9 ft.
Thu, Dec 16, 1993	11:18 AM	9.3 ft.	4:42 AM	.4 ft.
	9:54 PM	10.4 ft.	4:06 PM	5.8 ft.
Fri, Dec 17, 1993	12:00 PM	9.1 ft.	5:12 AM	1.0 ft.
	10:30 PM	9.3 ft.	5:12 PM	5.6 ft.
Sat, Dec 18, 1993	12:36 PM	8.8 ft.	5:48 AM	1.4 ft.
	11:42 PM	8.3 ft.	6:06 PM	5.3 ft.
Sun, Dec 19, 1993			6:18 AM	2.3 ft.
	1:30 PM	8.7 ft.	7:30 PM	5.0 ft.

**Times and Tides - Seward, Alaska
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993	9:24 AM	16.4 ft.	2:54 AM	4.9 ft.
	8:48 PM	19.6 ft.	2:24 PM	9.5 ft.
Mon, Dec 13, 1993	10:06 AM	16.6 ft.	3:42 AM	4.2 ft.
	9:30 PM	19.4 ft.	3:24 PM	9.0 ft.
Tue, Dec 14, 1993	10:42 AM	16.5 ft.	4:24 AM	3.7 ft.
	10:18 PM	19.4 ft.	4:24 PM	8.8 ft.
Wed, Dec 15, 1993	11:36 AM	17.1 ft.	5:06 AM	4.1 ft.
	11:00 PM	19.0 ft.	5:06 PM	9.5 ft.
Thu, Dec 16, 1993	12:24 PM	16.8 ft.	5:48 AM	4.7 ft.
	11:42 PM	18.5 ft.	5:48 PM	9.5 ft.
Fri, Dec 17, 1993			6:24 AM	5.9 ft.
	12:54 PM	17.0 ft.	6:36 PM	9.8 ft.
Sat, Dec 18, 1993	12:24 AM	17.1 ft.	7:06 AM	6.1 ft.
	1:36 PM	16.5 ft.	7:30 PM	9.7 ft.
Sun, Dec 19, 1993	1:12 AM	16.2 ft.	7:48 AM	7.7 ft.
	2:12 PM	16.1 ft.	8:24 PM	9.1 ft.

**Times and Tides - Honolulu, Hawaii
Week of December 12, 1993**

Date	Time	High Tide	Time	Low Tide
Sun, Dec 12, 1993			5:48 AM	3.2 ft.
	1:24 PM	5.9 ft.	8:42 PM	3.8 ft.
Mon, Dec 13, 1993	1:00 AM	4.3 ft.	6:48 AM	3.3 ft.
	2:06 PM	5.9 ft.	10:00 PM	3.7 ft.
Tue, Dec 14, 1993	1:54 AM	4.2 ft.	7:06 AM	3.3 ft.
	2:30 PM	5.8 ft.	10:18 PM	3.7 ft.
Wed, Dec 15, 1993	2:42 AM	4.2 ft.	8:06 AM	3.4 ft.
	3:00 PM	5.6 ft.	11:06 PM	3.7 ft.
Thu, Dec 16, 1993	3:54 AM	4.3 ft.	8:48 AM	3.6 ft.
	4:06 PM	5.5 ft.	11:24 PM	3.8 ft.
Fri, Dec 17, 1993	4:48 AM	4.2 ft.	9:00 AM	3.8 ft.
	4:36 PM	5.4 ft.		
Sat, Dec 18, 1993	7:30 AM	4.4 ft.	12:12 AM	3.8 ft.
	5:06 PM	5.2 ft.	9:48 AM	4.1 ft.
Sun, Dec 19, 1993	6:36 AM	4.5 ft.	12:48 AM	3.7 ft.
	6:24 PM	5.0 ft.	11:48 AM	4.3 ft.