



NOAA Tide Predictions

Smith Island (Coast Guard Station), Virginia, 2013

The NOAA Tide Predictions application provides predictions in both graphical and tabular formats, with many user selected options, for over 3000 stations broken down by key areas in each state. Users can also access stations via the Google map interface. Additional information can be found in the help page.

Station Types: The NOAA Tide Predictions application provides predictions from 2 distinct categories of stations at over 3000 locations:

Harmonic - The predicted height values for Harmonic stations are conducted by combining the harmonic constituents into a single tide curve.

Subordinate - The high and low height values for Subordinate stations are obtained by means and differences, and ratios applied to the full harmonic constant predictions at a specific Harmonic station (a Reference station).

Disclaimer: The official Tide prediction tables are published annually on October 1, for the following calendar year. Tide predictions generated prior to the publishing date of the official tables are subject to change. The predictions from the web based NOAA Tidal Predictions are based upon the latest information available as of the date of your request. Tide predictions generated may differ from the official published predictions if information for the station requested has been updated since the publishing date of the official published tables.



Smith Island (Coast Guard Station), Virginia, 2013

Times and Heights of High and Low Waters

July				August				September									
Time	Height	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	h m	ft cm						
1 M	03:25 AM 10:21 AM 04:12 PM 11:13 PM	3.2 98 0.2 6 3.6 110 0.7 21	16 Tu	02:24 AM 09:23 AM 03:07 PM 10:08 PM	3.5 107 0.3 9 4.0 122 0.7 21	1 Th	04:42 AM 11:26 AM 05:27 PM	2.8 85 0.6 18 3.7 113	16 F	04:05 AM 10:55 AM 04:51 PM 11:57 PM	3.3 101 0.2 6 4.4 134 0.5 15	1 Su	12:46 AM 05:55 AM 12:37 PM 06:29 PM	1.2 37 3.1 94 0.8 24 4.0 122	16 M	12:41 AM 06:02 AM 12:51 PM 06:35 PM	0.4 12 3.8 116 0.0 0 4.6 140
2 Tu	04:23 AM 11:12 AM 05:09 PM	2.9 88 0.3 9 3.7 113	17 W	03:23 AM 10:17 AM 04:08 PM 11:11 PM	3.3 101 0.2 6 4.2 128 0.6 18	2 F	12:37 AM 05:37 AM 12:18 PM 06:17 PM	1.0 30 2.8 85 0.6 18 3.8 116	17 Sa	05:11 AM 11:59 AM 05:53 PM	3.4 104 0.0 0 4.6 140	2 M	01:30 AM 06:42 AM 01:26 PM 07:12 PM	1.0 30 3.4 104 0.6 18 4.1 125	17 Tu	01:36 AM 06:58 AM 01:50 PM 07:27 PM	0.1 3 4.1 125 -0.2 -6 4.6 140
3 W	12:14 AM 05:19 AM 12:02 PM 06:00 PM	0.7 21 2.9 88 0.3 9 3.8 116	18 Th	04:26 AM 11:15 AM 05:10 PM	3.3 101 0.0 0 4.4 134	3 Sa	01:27 AM 06:26 AM 01:08 PM 07:01 PM	0.9 27 3.0 91 0.5 15 4.0 122	18 Su	12:59 AM 06:13 AM 01:01 PM 06:51 PM	0.3 9 3.6 110 -0.3 -9 4.8 146	3 Tu	02:10 AM 07:26 AM 02:12 PM 07:52 PM	0.8 24 3.6 110 0.5 15 4.3 131	18 W	02:26 AM 07:49 AM 03:44 PM 08:16 PM	-0.2 -6 4.3 131 -0.4 -12 4.5 137
4 Th	01:11 AM 06:09 AM 12:51 PM 06:45 PM	0.7 21 2.8 85 0.3 9 3.9 119	19 F	12:14 AM 05:28 AM 12:15 PM 06:09 PM	0.4 12 3.4 104 -0.2 -6 4.7 143	4 Su	02:10 AM 07:11 AM 01:55 PM 07:43 PM	0.8 24 3.1 94 0.4 12 4.1 125	19 M	01:56 AM 07:11 AM 02:01 PM 07:45 PM	0.0 0 3.8 116 -0.5 -15 4.9 149	4 W	02:47 AM 08:08 AM 02:55 PM 08:32 PM	0.6 18 3.9 119 0.3 9 4.4 134	19 Th	03:11 AM 08:38 AM 03:34 PM 09:03 PM	-0.3 -9 4.5 137 -0.5 -15 4.4 134
5 F	01:59 AM 06:55 AM 12:37 PM 07:28 PM	0.6 18 2.9 88 0.3 9 4.0 122	20 Sa	01:16 AM 06:28 AM 01:15 PM 07:06 PM	0.1 3 3.5 107 -0.5 -15 4.9 149	5 M	02:47 AM 07:55 AM 02:38 PM 08:23 PM	0.7 21 3.3 101 0.3 9 4.2 128	20 Tu	02:48 AM 08:05 AM 02:56 PM 08:37 PM	-0.3 -9 4.1 125 -0.7 -21 4.9 149	5 Th	03:24 AM 08:49 AM 03:36 PM 09:11 PM	0.4 12 4.1 125 0.2 6 4.4 134	20 F	03:54 AM 09:25 AM 04:22 PM 09:47 PM	-0.4 -12 4.6 140 -0.4 -12 4.3 131
6 Sa	02:40 AM 07:39 AM 02:21 PM 08:09 PM	0.5 15 3.0 91 0.2 6 4.1 125	21 Su	02:14 AM 07:25 AM 02:13 PM 08:01 PM	-0.2 -6 3.7 113 -0.7 -21 5.1 155	6 Tu	03:23 AM 08:37 AM 03:19 PM 09:03 PM	0.5 15 3.5 107 0.2 6 4.3 131	21 W	03:36 AM 08:58 AM 03:49 PM 09:26 PM	-0.5 -15 4.3 131 -0.8 -24 4.8 146	6 F	04:01 AM 09:30 AM 04:18 PM 09:51 PM	0.3 9 4.3 131 0.2 6 4.3 131	21 Sa	04:36 AM 10:11 AM 05:08 PM 10:31 PM	-0.3 -9 4.6 140 -0.2 -6 4.0 122
7 Su	03:18 AM 08:22 AM 03:03 PM 08:50 PM	0.4 12 3.1 94 0.2 6 4.2 128	22 M	03:08 AM 08:21 AM 03:09 PM 08:55 PM	-0.5 -15 3.8 116 -0.9 -27 5.1 155	7 W	03:59 AM 09:19 AM 04:00 PM 09:42 PM	0.4 12 3.6 110 0.2 6 4.3 131	22 Th	04:22 AM 09:48 AM 04:39 PM 10:14 PM	-0.6 -18 4.4 134 -0.7 -21 4.6 140	7 Sa	04:38 AM 10:12 AM 05:02 PM 10:32 PM	0.2 6 4.4 134 0.2 6 4.2 128	22 Su	05:17 AM 10:55 AM 05:54 PM 11:14 PM	-0.1 -3 4.5 137 0.1 3 3.8 116
8 M	03:54 AM 09:04 AM 03:43 PM 09:30 PM	0.4 12 3.2 98 0.1 3 4.3 131	23 Tu	03:59 AM 09:16 AM 04:03 PM 09:47 PM	-0.6 -18 4.0 122 -1.0 -30 5.0 152	8 Th	04:35 AM 09:59 AM 04:41 PM 10:20 PM	0.3 9 3.8 116 0.2 6 4.3 131	23 F	05:07 AM 10:57 AM 05:29 PM 11:00 PM	-0.5 -15 4.4 134 -0.4 -12 4.3 131	8 Su	05:18 AM 10:55 AM 05:47 PM 11:14 PM	0.2 6 4.5 137 0.3 9 4.1 125	23 M	05:59 AM 11:40 AM 06:42 PM 11:58 PM	0.1 3 4.4 134 0.4 12 3.5 107
9 Tu	04:30 AM 09:46 AM 04:23 PM 10:09 PM	0.3 9 3.3 101 0.2 6 4.3 131	24 W	04:48 AM 10:10 AM 04:56 PM 10:37 PM	-0.7 -21 4.1 125 -0.9 -27 4.8 146	9 F	05:11 AM 10:40 AM 05:22 PM 10:59 PM	0.3 9 3.9 119 0.3 9 4.2 128	24 Sa	05:51 AM 11:25 AM 06:20 PM 11:45 PM	-0.3 -9 4.4 134 -0.1 -3 4.0 122	9 M	06:00 AM 11:39 AM 06:37 PM 11:58 PM	0.2 6 4.6 140 0.4 12 3.9 119	24 Tu	06:43 AM 12:25 PM 07:31 PM	0.4 12 4.2 128 0.8 24
10 W	05:07 AM 10:27 AM 05:03 PM 10:48 PM	0.3 9 3.4 104 0.3 9 4.2 128	25 Th	05:36 AM 11:02 AM 05:50 PM 11:26 PM	-0.7 -21 4.1 125 -0.6 -18 4.5 137	10 Sa	05:49 AM 11:21 AM 06:07 PM 11:38 PM	0.3 9 4.0 122 0.4 12 4.1 125	25 Su	06:36 AM 12:12 PM 07:12 PM	-0.1 -3 4.2 128 0.3 9	10 Tu	06:46 AM 12:28 PM 07:31 PM	0.3 9 4.5 137 0.6 18	25 W	12:43 AM 07:30 AM 01:13 PM 08:24 PM	3.3 101 0.7 21 4.0 122 1.1 34
11 Th	05:44 AM 11:08 AM 05:45 PM 11:27 PM	0.3 9 3.5 107 0.4 12 4.1 125	26 F	06:24 AM 11:53 AM 06:44 PM	-0.5 -15 4.1 125 -0.3 -9	11 Su	06:30 AM 12:04 PM 06:55 PM	0.3 9 4.1 125 0.5 15	26 M	12:30 AM 07:23 AM 01:01 PM 08:05 PM	3.6 110 0.2 6 4.0 122 0.6 18	11 W	12:46 AM 07:38 AM 01:21 PM 08:30 PM	3.7 113 0.4 12 4.5 137 0.7 21	26 Th	01:31 AM 08:21 AM 02:06 PM 09:18 PM	3.1 94 1.0 30 3.8 116 1.3 40
12 F	06:23 AM 11:50 AM 06:30 PM	0.4 12 3.5 107 0.5 15	27 Sa	12:14 AM 07:13 AM 12:44 PM 07:41 PM	4.1 125 -0.3 -9 4.0 122 0.1 3	12 M	12:20 AM 07:14 AM 12:50 PM 07:49 PM	3.9 119 0.3 9 4.1 125 0.7 21	27 Tu	01:17 AM 08:11 AM 01:52 PM 09:01 PM	3.3 101 0.5 15 3.8 116 0.9 27	12 Th	01:41 AM 08:35 AM 02:22 PM 09:33 PM	3.5 107 0.4 12 4.4 134 0.8 24	27 F	02:26 AM 09:15 AM 03:04 PM 10:13 PM	3.0 91 1.1 34 3.7 113 1.4 43
13 Sa	12:06 AM 07:03 AM 12:32 PM 07:18 PM	4.0 122 0.4 12 3.6 110 0.7 21	28 Su	01:02 AM 08:02 AM 01:37 PM 08:39 PM	3.7 113 -0.1 -3 3.8 116 0.4 12	13 Tu	01:06 AM 08:02 AM 01:42 PM 08:46 PM	3.7 113 0.4 12 4.2 128 0.8 24	28 W	02:07 AM 09:02 AM 02:48 PM 09:59 PM	3.1 94 0.7 21 3.7 113 1.2 37	13 F	02:44 AM 09:37 AM 03:28 PM 10:37 PM	3.4 104 0.4 12 4.4 134 0.8 24	28 Sa	03:26 AM 10:11 AM 04:04 PM 11:07 PM	3.0 91 1.2 37 3.7 113 1.4 43
14 Su	12:47 AM 07:46 AM 01:18 PM 08:11 PM	3.8 116 0.4 12 3.7 113 0.7 21	29 M	01:52 AM 08:52 AM 02:33 PM 09:38 PM	3.4 104 0.2 6 3.7 113 0.7 21	14 W	01:59 AM 08:56 AM 02:41 PM 09:48 PM	3.5 107 0.4 12 4.2 128 0.8 24	29 Th	03:04 AM 09:55 AM 03:49 PM 10:57 PM	2.9 88 0.9 27 3.6 110 1.3 40	14 Sa	03:52 AM 10:42 AM 04:35 PM 11:41 PM	3.4 104 0.4 12 4.4 134 0.6 18	29 Su	04:26 AM 11:08 AM 05:00 PM 11:57 PM	3.1 94 1.2 37 3.8 116 1.3 40
15 M	01:32 AM 08:33 AM 02:10 PM 09:08 PM	3.6 110 0.4 12 3.8 116 0.8 24	30 Tu	02:46 AM 09:42 AM 03:32 PM 10:38 PM	3.0 91 0.4 12 3.6 110 0.9 27	15 Th	02:59 AM 09:54 AM 03:46 PM 10:52 PM	3.3 101 0.3 9 4.3 131 0.7 21	30 F	04:04 AM 10:50 AM 04:49 PM 11:55 PM	2.9 88 0.9 27 3.7 113 1.3 40	15 Su	05:00 AM 11:47 AM 05:38 PM	3.5 107 0.2 6 4.5 137	30 M	05:21 AM 12:02 PM 05:50 PM	3.3 101 1.0 30 3.9 119
			31 W	03:43 AM 10:34 AM 04:32 PM 11:39 PM	2.9 88 0.6 18 3.6 110 1.0 30				31 Sa	05:03 AM 11:45 AM 05:42 PM	3.0 91 0.9 27 3.8 116						



Smith Island (Coast Guard Station), Virginia, 2013

Times and Heights of High and Low Waters

October					November					December																																																																																																																																																																					
Time	Height	Time	Height	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	h m	ft cm	h m	ft cm																																																																																																																																																																		
1 Tu	12:44 AM 1.1 34 06:10 AM 3.6 110 12:54 PM 0.8 24 06:34 PM 4.0 122	16 W	01:13 AM 0.1 3 06:45 AM 4.2 128 01:40 PM 0.0 0 07:07 PM 4.1 125	1 F	01:26 AM 0.3 9 07:05 AM 4.4 134 02:01 PM 0.3 9 07:24 PM 4.0 122	16 Sa	01:17 AM -0.2 -6 06:58 AM 4.4 134 02:05 PM 0.0 0 07:13 PM 3.4 104	1 Su	12:37 AM -0.3 -9 06:23 AM 4.7 143 01:27 PM -0.1 -3 06:41 PM 3.7 113	16 M	01:34 AM -0.2 -6 07:20 AM 4.1 125 02:29 PM 0.0 0 07:31 PM 3.0 91	2 W	01:26 AM 0.8 24 06:54 AM 3.9 119 01:42 PM 0.6 18 07:17 PM 4.2 128	17 Th	02:00 AM -0.1 -3 07:33 AM 4.4 134 02:32 PM -0.1 -3 07:54 PM 4.1 125	2 Sa	02:10 AM 0.1 3 07:50 AM 4.7 143 02:49 PM 0.1 3 08:09 PM 4.0 122	17 Su	01:58 AM -0.2 -6 07:40 AM 4.4 134 02:47 PM 0.0 3 07:55 PM 3.4 104	2 M	01:27 AM -0.6 -18 07:13 AM 5.0 152 02:18 PM -0.4 -12 07:32 PM 3.8 116	17 Tu	02:14 AM -0.3 -9 08:01 AM 4.1 125 03:06 PM 0.0 0 08:13 PM 3.0 91	3 Th	02:07 AM 0.6 18 07:37 AM 4.2 128 02:28 PM 0.4 12 07:58 PM 4.3 131	18 F	02:44 AM -0.2 -6 08:18 AM 4.6 140 03:20 PM -0.2 -6 08:38 PM 4.0 122	3 Su	01:55 AM -0.2 -6 07:36 AM 5.0 152 02:37 PM -0.1 -3 07:56 PM 4.0 122	18 M	02:38 AM -0.2 -6 08:22 AM 4.4 134 03:26 PM 0.1 3 08:37 PM 3.3 101	3 Tu	02:17 AM -0.8 -24 08:04 AM 5.1 155 03:08 PM -0.6 -18 08:23 PM 3.8 116	18 W	02:54 AM -0.2 -6 08:41 AM 4.1 125 03:43 PM 0.1 3 08:54 PM 3.1 94	4 F	02:47 AM 0.3 9 08:19 AM 4.5 137 03:13 PM 0.2 6 08:40 PM 4.3 131	19 Sa	03:25 AM -0.2 -6 09:02 AM 4.6 140 04:04 PM -0.1 -3 09:21 PM 3.8 116	4 M	02:40 AM -0.3 -9 08:23 AM 5.1 155 03:25 PM -0.2 -6 08:44 PM 4.0 122	19 Tu	03:17 AM -0.1 -3 09:03 AM 4.4 134 04:06 PM 0.2 6 09:19 PM 3.3 101	4 W	03:07 AM -0.9 -27 08:56 AM 5.1 155 03:59 PM -0.6 -18 09:16 PM 3.8 116	19 Th	03:33 AM -0.2 -6 09:21 AM 4.1 125 04:20 PM 0.1 3 09:36 PM 3.1 94	5 Sa	03:26 AM 0.1 3 09:02 AM 4.7 143 03:57 PM 0.1 3 09:23 PM 4.3 131	20 Su	04:05 AM -0.2 -6 09:45 AM 4.6 140 04:47 PM 0.0 0 10:03 PM 3.7 113	5 Tu	03:26 AM -0.4 -12 09:12 AM 5.2 158 04:15 PM -0.2 -6 09:33 PM 3.9 119	20 W	03:57 AM 0.1 3 09:44 AM 4.3 131 04:47 PM 0.4 12 10:01 PM 3.2 98	5 Th	03:59 AM -0.9 -27 09:48 AM 5.0 152 04:52 PM -0.6 -18 10:09 PM 3.7 113	20 F	04:12 AM 0.0 0 10:01 AM 4.0 122 04:59 PM 0.2 6 10:17 PM 3.1 94	6 Su	04:07 AM 0.0 0 09:46 AM 4.9 149 04:43 PM 0.0 0 10:06 PM 4.2 128	21 M	04:45 AM 0.0 0 10:27 AM 4.5 137 05:29 PM 0.2 6 10:45 PM 3.5 107	6 W	04:15 AM -0.4 -12 10:03 AM 5.1 155 05:07 PM -0.1 -3 10:24 PM 3.8 116	21 Th	04:38 AM 0.3 9 10:26 AM 4.1 125 05:29 PM 0.5 15 10:43 PM 3.1 94	6 F	04:53 AM -0.8 -24 10:40 AM 4.8 146 05:46 PM -0.5 -15 11:04 PM 3.6 110	21 Sa	04:54 AM 0.1 3 10:40 AM 3.9 119 05:39 PM 0.3 9 10:59 PM 3.0 91	7 M	04:49 AM 0.0 0 10:32 AM 5.0 152 05:30 PM 0.1 3 10:52 PM 4.0 122	22 Tu	05:26 AM 0.2 6 11:10 AM 4.4 134 06:13 PM 0.5 15 11:28 PM 3.4 104	7 Th	05:07 AM -0.3 -9 10:55 AM 4.9 149 06:03 PM 0.0 0 11:18 PM 3.6 110	22 F	05:21 AM 0.5 15 11:08 AM 4.0 122 06:12 PM 0.7 21 11:28 PM 3.0 91	7 Sa	05:51 AM -0.5 -15 11:33 AM 4.5 137 06:41 PM -0.4 -12	22 Su	05:37 AM 0.3 9 11:20 AM 3.7 113 06:20 PM 0.4 12 11:42 PM 3.0 91	8 Tu	05:35 AM 0.0 0 11:19 AM 4.9 149 06:22 PM 0.2 6 11:40 PM 3.9 119	23 W	06:08 AM 0.5 15 11:53 AM 4.2 128 06:59 PM 0.8 24	8 F	06:05 AM -0.1 -3 11:50 AM 4.7 143 07:02 PM 0.1 3	23 Sa	06:07 AM 0.7 21 11:52 AM 3.8 116 06:58 PM 0.8 24	8 Su	12:01 AM 3.5 107 06:52 AM -0.3 -9 12:29 PM 4.1 125 07:38 PM -0.3 -9	23 M	06:24 AM 0.5 15 12:01 PM 3.5 107 07:03 PM 0.4 12	9 W	06:24 AM 0.1 3 12:10 PM 4.8 146 07:17 PM 0.4 12	24 Th	12:17 AM 3.5 107 07:07 AM 0.1 3 12:49 PM 4.4 134 08:01 PM 0.2 6	24 Su	12:15 AM 3.0 91 06:58 AM 0.9 27 12:38 PM 3.6 110 07:45 PM 0.9 27	9 M	01:02 AM 3.5 107 07:56 AM 0.0 0 01:27 PM 3.7 113 08:34 PM -0.2 -6	24 Tu	12:28 AM 3.1 94 07:15 AM 0.6 18 12:45 PM 3.4 104 07:47 PM 0.4 12	10 Th	12:31 AM 3.7 113 07:19 AM 0.3 9 01:05 PM 4.7 143 08:17 PM 0.5 15	25 F	12:58 AM 3.1 94 07:42 AM 1.0 30 01:27 PM 3.8 116 08:37 PM 1.2 37	10 Su	01:20 AM 3.4 104 08:12 AM 0.3 9 01:51 PM 4.1 125 09:01 PM 0.2 6	25 M	01:06 AM 3.0 91 07:51 AM 1.0 30 01:28 PM 3.5 107 08:32 PM 0.8 24	10 Tu	02:08 AM 3.5 107 09:01 AM 0.2 6 02:28 PM 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