



NOAA Tide Predictions

Great Machipongo Inlet (inside), Virginia, 2017

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.



Great Machipongo Inlet (inside), Virginia, 2017

Datum:mean lower low water (MLLW) which is the chart datum of soundings

Times and Heights of High and Low Waters

January				February				March			
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 Su	03:55 AM -0.2 -6 10:29 AM 4.6 140 04:42 PM 0.0 0 10:47 PM 3.5 107	16 M	04:54 AM -0.6 -18 11:18 AM 4.3 131 05:36 PM -0.4 -12 11:41 PM 3.5 107	1 W	05:14 AM -0.4 -12 11:34 AM 4.3 131 05:47 PM -0.4 -12	16 Th	06:02 AM 0.0 0 12:13 PM 3.5 107 06:22 PM 0.1 3	1 W	04:08 AM -0.8 -24 10:28 AM 4.6 140 04:33 PM -0.6 -18 10:51 PM 4.6 140	16 Th	05:45 AM -0.1 -3 11:58 AM 3.7 113 05:57 PM 0.1 3
2 M	04:40 AM -0.1 -3 11:11 AM 4.5 137 05:27 PM 0.0 0 11:33 PM 3.6 110	17 Tu	05:45 AM -0.3 -9 12:04 PM 3.9 119 06:22 PM -0.2 -6	2 Th	12:01 AM 4.0 122 06:09 AM -0.2 -6 12:22 PM 4.0 122 06:36 PM -0.3 -9	17 F	12:39 AM 3.6 110 06:52 AM 0.3 9 12:58 PM 3.2 98 07:07 PM 0.3 9	2 Th	04:59 AM -0.6 -18 11:15 AM 4.3 131 05:20 PM -0.5 -15 11:41 PM 4.6 140	17 F	12:18 AM 4.0 122 06:29 AM 0.1 3 12:39 PM 3.5 107 06:38 PM 0.3 9
3 Tu	05:30 AM 0.0 0 11:56 AM 4.3 131 06:14 PM 0.0 0	18 W	12:30 AM 3.4 104 06:38 AM 0.0 0 12:50 PM 3.6 110 07:09 PM 0.0 0	3 F	12:55 AM 4.0 122 07:08 AM -0.1 -3 01:16 PM 3.7 113 07:30 PM -0.3 -9	18 Sa	01:29 AM 3.5 107 07:44 AM 0.6 18 01:48 PM 3.0 91 07:55 PM 0.5 15	3 F	05:55 AM -0.4 -12 12:04 PM 4.0 122 06:12 PM -0.4 -12	18 Sa	01:01 AM 3.9 119 07:16 AM 0.4 12 01:22 PM 3.3 101 07:22 PM 0.5 15
4 W	12:23 AM 3.6 110 06:25 AM 0.1 3 12:44 PM 4.1 125 07:04 PM 0.0 0	19 Th	01:22 AM 3.3 101 07:32 AM 0.3 9 01:40 PM 3.2 98 07:56 PM 0.2 6	4 Sa	01:54 AM 4.1 125 08:11 AM 0.0 0 02:15 PM 3.5 107 08:27 PM -0.3 -9	19 Su	02:25 AM 3.4 104 08:39 AM 0.8 24 02:43 PM 2.8 85 08:46 PM 0.5 15	4 Sa	12:35 AM 4.5 137 06:54 AM -0.2 -6 12:58 PM 3.7 113 07:07 PM -0.3 -9	19 Su	01:48 AM 3.8 116 08:05 AM 0.7 21 02:10 PM 3.1 94 08:11 PM 0.7 21
5 Th	01:18 AM 3.7 113 07:25 AM 0.2 6 01:39 PM 3.9 119 07:57 PM -0.1 -3	20 F	02:17 AM 3.3 101 08:28 AM 0.5 15 02:33 PM 3.0 91 08:43 PM 0.3 9	5 Su	02:59 AM 4.1 125 09:17 AM 0.1 3 03:20 PM 3.3 101 09:27 PM -0.4 -12	20 M	03:24 AM 3.5 107 09:37 AM 0.8 24 03:41 PM 2.8 85 09:39 PM 0.5 15	5 Su	01:34 AM 4.3 131 07:57 AM 0.0 0 01:59 PM 3.4 104 08:07 PM -0.2 -6	20 M	02:40 AM 3.7 113 08:58 AM 0.9 27 03:03 PM 3.0 91 09:03 PM 0.8 24
6 F	02:18 AM 3.9 119 08:28 AM 0.2 6 02:38 PM 3.7 113 08:52 PM -0.3 -9	21 Sa	03:15 AM 3.3 101 09:25 AM 0.7 21 03:28 PM 2.9 88 09:32 PM 0.3 9	6 M	04:05 AM 4.3 131 10:24 AM 0.0 0 04:25 PM 3.3 101 10:28 PM -0.5 -15	21 Tu	04:22 AM 3.6 110 10:34 AM 0.8 24 04:37 PM 2.9 88 10:33 PM 0.4 12	6 M	02:40 AM 4.2 128 09:03 AM 0.1 3 03:05 PM 3.2 98 09:10 PM -0.2 -6	21 Tu	03:38 AM 3.6 110 09:54 AM 1.0 30 04:02 PM 3.0 91 09:59 PM 0.7 21
7 Sa	03:21 AM 4.1 125 09:33 AM 0.1 3 03:41 PM 3.6 110 09:49 PM -0.4 -12	22 Su	04:11 AM 3.5 107 10:23 AM 0.7 21 04:23 PM 2.9 88 10:22 PM 0.3 9	7 Tu	05:08 AM 4.4 134 11:29 AM -0.2 -6 05:27 PM 3.3 101 11:29 PM -0.7 -21	22 W	05:15 AM 3.9 119 11:27 AM 0.6 18 05:29 PM 3.1 94 11:26 PM 0.2 6	7 Tu	03:49 AM 4.2 128 10:11 AM 0.1 3 04:13 PM 3.2 98 10:15 PM -0.2 -6	22 W	04:38 AM 3.7 113 10:50 AM 0.9 27 05:00 PM 3.1 94 10:56 PM 0.6 18
8 Su	04:24 AM 4.4 134 10:38 AM -0.1 -3 04:42 PM 3.6 110 10:47 PM -0.7 -21	23 M	05:03 AM 3.7 113 11:18 AM 0.6 18 05:14 PM 2.9 88 11:11 PM 0.2 6	8 W	06:07 AM 4.6 140 12:28 PM -0.4 -12 06:24 PM 3.5 107	23 Th	06:04 AM 4.1 125 12:16 PM 0.4 12 06:17 PM 3.4 104	8 W	04:55 AM 4.3 131 11:15 AM 0.0 0 05:17 PM 3.4 104 11:18 PM -0.4 -12	23 Th	05:35 AM 3.9 119 11:45 AM 0.7 21 05:55 PM 3.4 104 11:52 PM 0.4 12
9 M	05:23 AM 4.7 143 11:42 AM -0.3 -9 05:41 PM 3.6 110 11:44 PM -0.9 -27	24 Tu	05:51 AM 3.9 119 12:07 PM 0.5 15 06:02 PM 3.1 94 11:59 PM 0.0 0	9 Th	12:27 AM -0.9 -27 07:01 AM 4.7 143 01:21 PM -0.6 -18 07:17 PM 3.6 110	24 F	12:16 AM -0.1 -3 06:49 AM 4.4 134 01:00 PM 0.1 3 07:03 PM 3.7 113	9 Th	05:55 AM 4.4 134 12:13 PM -0.2 -6 06:13 PM 3.6 110	24 F	06:27 AM 4.2 128 12:36 PM 0.5 15 06:45 PM 3.7 113
10 Tu	06:20 AM 4.9 149 12:41 PM -0.6 -18 06:37 PM 3.6 110	25 W	06:36 AM 4.2 128 12:51 PM 0.3 9 06:47 PM 3.2 98	10 F	01:20 AM -1.1 -34 07:52 AM 4.8 146 02:09 PM -0.7 -21 08:07 PM 3.7 113	25 Sa	01:02 AM -0.4 -12 07:33 AM 4.6 140 01:42 PM -0.1 -3 07:48 PM 3.9 119	10 F	12:17 AM -0.6 -18 06:47 AM 4.4 134 01:02 PM -0.3 -9 07:03 PM 3.8 116	25 Sa	12:46 AM 0.1 3 07:15 AM 4.4 134 01:23 PM 0.2 6 07:33 PM 4.1 125
11 W	12:40 AM -1.1 -34 07:14 AM 5.1 155 01:35 PM -0.8 -24 07:32 PM 3.7 113	26 Th	12:44 AM -0.2 -6 07:19 AM 4.4 134 01:33 PM 0.1 3 07:31 PM 3.4 104	11 Sa	02:10 AM -1.1 -34 08:39 AM 4.7 143 02:53 PM -0.8 -24 08:55 PM 3.8 116	26 Su	01:48 AM -0.6 -18 08:17 AM 4.8 146 02:24 PM -0.4 -12 08:33 PM 4.2 128	11 Sa	01:09 AM -0.7 -21 07:34 AM 4.5 137 01:46 PM -0.4 -12 07:49 PM 3.9 119	26 Su	01:37 AM -0.3 -9 08:02 AM 4.6 140 02:08 PM -0.2 -6 08:20 PM 4.5 137
12 Th	01:33 AM -1.2 -37 08:07 AM 5.2 158 02:26 PM -0.9 -27 08:24 PM 3.7 113	27 F	01:27 AM -0.4 -12 08:02 AM 4.6 140 02:13 PM -0.1 -3 08:15 PM 3.6 110	12 Su	02:57 AM -1.1 -34 09:24 AM 4.6 140 03:35 PM -0.7 -21 09:41 PM 3.9 119	27 M	02:33 AM -0.8 -24 09:00 AM 4.8 146 03:05 PM -0.5 -15 09:18 PM 4.4 134	12 Su	01:56 AM -0.8 -24 09:17 AM 4.4 134 03:26 PM -0.5 -15 09:32 PM 4.1 125	27 M	02:26 AM -0.6 -18 08:48 AM 4.8 146 02:52 PM -0.4 -12 09:07 PM 4.8 146
13 F	02:24 AM -1.3 -40 08:57 AM 5.1 155 03:15 PM -0.9 -27 09:15 PM 3.8 116	28 Sa	02:10 AM -0.5 -15 08:43 AM 4.7 143 02:53 PM -0.2 -6 08:58 PM 3.7 113	13 M	03:43 AM -0.9 -27 10:07 AM 4.4 134 04:16 PM -0.6 -18 10:25 PM 3.8 116	28 Tu	03:20 AM -0.8 -24 09:44 AM 4.7 143 03:48 PM -0.6 -18 10:03 PM 4.5 137	13 M	03:39 AM -0.7 -21 09:59 AM 4.3 131 04:04 PM -0.4 -12 10:14 PM 4.2 128	28 Tu	03:14 AM -0.8 -24 09:34 AM 4.8 146 03:36 PM -0.6 -18 09:54 PM 5.0 152
14 Sa	03:14 AM -1.2 -37 09:46 AM 4.9 149 04:02 PM -0.8 -24 10:05 PM 3.7 113	29 Su	02:53 AM -0.6 -18 09:25 AM 4.7 143 03:34 PM -0.3 -9 09:41 PM 3.8 116	14 Tu	04:28 AM -0.6 -18 10:49 AM 4.1 125 04:57 PM -0.4 -12 11:08 PM 3.8 116	29 W	04:21 AM -0.6 -18 10:39 AM 4.2 128 04:41 PM -0.3 -9 10:55 PM 4.2 128	14 Tu	04:21 AM -0.6 -18 10:39 AM 4.2 128 04:41 PM -0.3 -9 10:55 PM 4.2 128	29 W	04:03 AM -0.9 -27 10:20 AM 4.7 143 04:20 PM -0.7 -21 10:42 PM 5.2 158
15 Su	04:03 AM -1.0 -30 10:33 AM 4.6 140 04:49 PM -0.6 -18 10:53 PM 3.6 110	30 M	03:37 AM -0.6 -18 10:07 AM 4.7 143 04:16 PM -0.4 -12 10:25 PM 3.9 119	15 W	05:14 AM -0.3 -9 11:30 AM 3.8 116 05:39 PM -0.1 -3 11:53 PM 3.7 113	30 Th	05:03 AM -0.4 -12 11:18 AM 4.0 122 05:18 PM -0.1 -3 11:36 PM 4.1 125	15 W	05:03 AM -0.4 -12 11:18 AM 4.0 122 05:18 PM -0.1 -3 11:36 PM 4.1 125	30 Th	04:53 AM -0.8 -24 11:08 AM 4.6 140 05:07 PM -0.7 -21 11:31 PM 5.2 158
		31 Tu	04:23 AM -0.5 -15 10:50 AM 4.5 137 05:00 PM -0.4 -12 11:11 PM 4.0 122					31 F	05:46 AM -0.7 -21 11:57 AM 4.3 131 05:57 PM -0.5 -15		



Great Machipongo Inlet (inside), Virginia, 2017

Datum:mean lower low water (MLLW) which is the chart datum of soundings

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 Sa 09:20 AM 03:43 PM 09:53 PM	3.8 116 0.2 6 3.8 116 0.6 18	16 Su 02:09 AM 02:47 PM 08:58 PM	4.2 128 0.3 9 4.2 128 0.6 18	1 Tu 04:10 AM 10:14 AM 04:53 PM 11:11 PM	3.2 98 0.7 21 4.0 122 1.1 34	16 W 03:45 AM 09:51 AM 04:29 PM 10:49 PM	3.8 116 0.2 6 4.8 146 0.5 15	1 F 05:24 AM 11:18 AM 06:00 PM	3.4 104 1.0 30 4.3 131	16 Sa 11:44 AM 06:20 PM	3.9 119 0.2 6 5.0 152
2 Su 03:58 AM 10:09 AM 04:41 PM 10:53 PM	3.5 107 0.3 9 3.8 116 0.7 21	17 M 03:05 AM 09:18 AM 03:47 PM 10:00 PM	4.0 122 0.2 6 4.4 134 0.5 15	2 W 05:06 AM 11:04 AM 05:46 PM	3.2 98 0.7 21 4.1 125	17 Th 04:50 AM 10:53 AM 05:33 PM 11:54 PM	3.7 113 0.1 3 5.0 152 0.4 12	2 Sa 12:15 AM 06:16 AM 12:10 PM 06:47 PM	1.1 34 3.5 107 0.8 24 4.5 137	17 Su 12:40 AM 06:43 AM 12:45 PM 07:15 PM	0.3 9 4.1 125 0.0 0 5.0 152
3 M 04:53 AM 10:57 AM 05:34 PM 11:51 PM	3.3 101 0.4 12 4.0 122 0.8 24	18 Tu 04:06 AM 10:13 AM 04:49 PM 11:04 PM	3.9 119 0.0 0 4.7 143 0.4 12	3 Th 12:06 AM 05:59 AM 11:54 AM 06:34 PM	1.0 30 3.2 98 0.7 21 4.3 131	18 F 05:54 AM 11:55 AM 06:33 PM	3.8 116 -0.1 -3 5.2 158	3 Su 01:01 AM 07:03 AM 12:59 PM 07:31 PM	1.0 30 3.8 116 0.6 18 4.8 146	18 M 01:32 AM 07:36 AM 01:40 PM 08:04 PM	0.1 3 4.3 131 -0.2 -6 5.0 152
4 Tu 05:45 AM 11:44 AM 06:22 PM	3.3 101 0.4 12 4.1 125	19 W 05:08 AM 11:11 AM 05:49 PM	3.8 116 -0.1 -3 5.0 152	4 F 12:55 AM 06:47 AM 12:42 PM 07:19 PM	0.9 27 3.4 104 0.6 18 4.5 137	19 Sa 12:55 AM 06:53 AM 12:55 PM 07:29 PM	0.1 3 4.0 122 -0.3 -9 5.3 162	4 M 01:44 AM 07:47 AM 01:45 PM 08:14 PM	0.7 21 4.1 125 0.4 12 4.9 149	19 Tu 02:18 AM 08:25 AM 01:40 PM 08:50 PM	-0.1 -3 4.5 137 -0.3 -9 5.0 152
5 W 12:43 AM 06:33 AM 12:29 PM 07:05 PM	0.7 21 3.3 101 4.0 12 4.3 131	20 Th 12:08 AM 06:08 AM 12:10 PM 06:47 PM	0.2 6 3.9 119 -0.4 -12 5.3 162	5 Sa 01:39 AM 07:33 AM 01:28 PM 08:02 PM	0.8 24 3.6 110 0.4 12 4.7 143	20 Su 01:50 AM 07:49 AM 01:51 PM 08:22 PM	-0.1 -3 4.2 128 -0.5 -15 5.4 165	5 Tu 02:24 AM 08:31 AM 02:29 PM 08:56 PM	0.5 15 4.3 131 0.2 6 5.1 155	20 W 03:01 AM 09:10 AM 03:18 PM 09:34 PM	-0.2 -6 4.7 143 -0.3 -9 4.9 149
6 Th 01:29 AM 07:18 AM 01:13 PM 07:47 PM	0.6 18 3.3 101 0.3 9 4.5 137	21 F 01:09 AM 07:07 AM 01:08 PM 07:43 PM	-0.1 -3 3.9 119 -0.6 -18 5.5 168	6 Su 02:19 AM 08:16 AM 02:11 PM 08:44 PM	0.6 18 3.7 113 0.3 9 4.8 146	21 M 02:40 AM 08:41 AM 02:44 PM 09:12 PM	-0.3 -9 4.3 131 -0.6 -18 5.3 162	6 W 03:03 AM 09:14 AM 03:13 PM 09:37 PM	0.3 9 4.6 140 0.0 0 5.1 155	21 Th 03:41 AM 09:54 AM 04:02 PM 10:17 PM	-0.2 -6 4.8 146 -0.2 -6 4.7 143
7 F 02:10 AM 08:01 AM 01:56 PM 08:29 PM	0.5 15 3.4 104 0.3 9 4.6 140	22 Sa 02:06 AM 08:03 AM 02:04 PM 08:37 PM	-0.4 -12 4.1 125 -0.8 -24 5.6 171	7 M 02:57 AM 08:59 AM 02:53 PM 09:25 PM	0.4 12 3.9 119 0.2 6 5.0 152	22 Tu 03:27 AM 09:31 AM 03:34 PM 09:59 PM	-0.4 -12 4.5 137 -0.6 -18 5.2 158	7 Th 03:43 AM 09:57 AM 03:58 PM 10:19 PM	0.1 3 4.8 146 0.0 0 5.1 155	22 F 04:20 AM 10:37 AM 04:46 PM 10:58 PM	0.0 0 4.8 146 0.0 0 4.4 134
8 Sa 02:49 AM 08:44 AM 02:37 PM 09:10 PM	0.4 12 3.5 107 0.2 6 4.8 146	23 Su 02:59 AM 08:58 AM 02:58 PM 09:30 PM	-0.5 -15 4.2 128 -0.9 -27 5.6 171	8 Tu 03:36 AM 09:42 AM 03:35 PM 10:06 PM	0.3 9 4.1 125 0.1 3 5.0 152	23 W 04:11 AM 10:20 AM 04:22 PM 10:45 PM	-0.4 -12 4.5 137 -0.5 -15 5.0 152	8 F 04:23 AM 10:41 AM 04:44 PM 11:03 PM	0.0 0 5.0 152 0.0 0 4.9 149	23 Sa 04:59 AM 11:20 AM 05:31 PM 11:40 PM	0.2 6 4.7 143 0.3 9 4.2 128
9 Su 03:27 AM 09:27 AM 03:17 PM 09:51 PM	0.4 12 3.6 110 0.2 6 4.8 146	24 M 03:49 AM 09:51 AM 03:50 PM 10:21 PM	-0.6 -18 4.2 128 -0.8 -24 5.4 165	9 W 04:14 AM 10:24 AM 04:18 PM 10:46 PM	0.2 6 4.2 128 0.1 3 5.0 152	24 Th 04:54 AM 11:06 AM 05:10 PM 11:29 PM	-0.3 -9 4.5 137 -0.2 -6 4.7 143	9 Sa 05:05 AM 11:26 AM 05:33 PM 11:47 PM	0.0 0 5.1 155 0.1 3 4.7 143	24 Su 05:39 AM 12:02 PM 06:17 PM	0.4 12 4.6 140 0.6 18
10 M 04:05 AM 10:09 AM 03:58 PM 10:32 PM	0.3 9 3.7 113 0.2 6 4.8 146	25 Tu 04:38 AM 10:43 AM 04:42 PM 11:10 PM	-0.6 -18 4.3 131 -0.7 -21 5.2 158	10 Th 04:54 AM 11:07 AM 05:03 PM 11:27 PM	0.2 6 4.3 131 0.2 6 4.9 149	25 F 05:37 AM 11:52 AM 05:59 PM	-0.1 -3 4.5 137 0.1 3	10 Su 05:51 AM 12:14 PM 06:27 PM	0.1 3 5.1 155 0.3 9	25 M 12:22 AM 06:21 AM 12:47 PM 07:05 PM	3.9 119 0.7 21 4.5 137 0.9 27
11 Tu 04:44 AM 10:51 AM 04:39 PM 11:12 PM	0.3 9 3.8 116 0.3 9 4.8 146	26 W 05:26 AM 11:33 AM 05:34 PM 11:58 PM	-0.5 -15 4.2 128 -0.4 -12 4.8 146	11 F 05:35 AM 11:50 AM 05:51 PM	0.2 6 4.4 134 0.3 9	26 Sa 12:12 AM 06:20 AM 12:37 PM 06:49 PM	4.3 131 0.2 6 4.4 134 0.5 15	11 M 12:35 AM 06:40 AM 01:06 PM 07:24 PM	4.4 134 0.2 6 5.0 152 0.5 15	26 Tu 01:07 AM 07:06 AM 01:34 PM 07:56 PM	3.6 110 0.9 27 4.3 131 1.1 34
12 W 05:24 AM 11:33 AM 05:23 PM 11:52 PM	0.3 9 3.8 116 0.4 12 4.7 143	27 Th 06:13 AM 12:23 PM 06:27 PM	-0.3 -9 4.2 128 -0.1 -3	12 Sa 12:10 AM 06:19 AM 12:37 PM 06:43 PM	4.7 143 0.2 6 4.5 137 0.4 12	27 Su 12:56 AM 07:04 AM 01:24 PM 07:41 PM	4.0 122 0.5 15 4.2 128 0.8 24	12 Tu 01:27 AM 07:34 AM 02:03 PM 08:26 PM	4.1 125 0.3 9 4.9 149 0.6 18	27 W 01:55 AM 07:56 AM 02:27 PM 08:50 PM	3.4 104 1.1 34 4.2 128 1.3 40
13 Th 06:06 AM 12:16 PM 06:10 PM	0.3 9 3.9 119 0.5 15	28 F 12:44 AM 07:01 AM 01:13 PM 07:22 PM	4.4 134 0.0 0 4.1 125 0.3 9	13 Su 12:55 AM 07:07 AM 01:27 PM 07:39 PM	4.4 134 0.2 6 4.6 140 0.5 15	28 M 01:43 AM 07:51 AM 02:15 PM 08:35 PM	3.7 113 0.7 21 4.1 125 1.0 30	13 W 02:25 AM 08:33 AM 03:06 PM 09:31 PM	3.9 119 0.4 12 4.8 146 0.7 21	28 Th 02:49 AM 08:49 AM 03:24 PM 09:45 PM	3.3 101 1.2 37 4.1 125 1.4 43
14 F 12:34 AM 06:50 AM 01:02 PM 07:02 PM	4.6 140 0.3 9 4.0 122 0.6 18	29 Sa 01:32 AM 07:49 AM 02:05 PM 08:18 PM	4.0 122 0.2 6 4.0 122 0.6 18	14 M 01:46 AM 07:58 AM 02:23 PM 08:40 PM	4.2 128 0.3 9 4.6 140 0.6 18	29 Tu 02:33 AM 08:39 AM 03:10 PM 09:31 PM	3.4 104 0.9 27 4.0 122 1.2 37	14 Th 03:31 AM 09:35 AM 04:13 PM 10:37 PM	3.7 113 0.4 12 4.8 146 0.6 18	29 F 03:49 AM 09:44 AM 04:24 PM 10:40 PM	3.3 101 1.3 40 4.1 125 1.4 43
15 Sa 01:19 AM 07:36 AM 01:52 PM 07:58 PM	4.4 134 0.3 9 4.1 125 0.6 18	30 Su 02:21 AM 08:36 AM 02:59 PM 09:15 PM	3.7 113 0.4 12 3.9 119 0.8 24	15 Tu 02:42 AM 08:53 AM 03:24 PM 09:44 PM	3.9 119 0.2 6 4.7 143 0.6 18	30 W 03:29 AM 09:31 AM 04:09 PM 10:28 PM	3.3 101 1.0 30 4.0 122 1.3 40	15 F 04:39 AM 10:40 AM 05:20 PM 11:41 PM	3.7 113 0.3 9 4.9 149 0.5 15	30 Sa 04:48 AM 10:40 AM 05:20 PM 11:32 PM	3.5 107 1.2 37 4.3 131 1.2 37
31 M 03:14 AM 09:24 AM 03:56 PM 10:13 PM	3.4 104 0.6 18 3.9 119 1.0 30			31 Th 04:28 AM 10:24 AM 05:07 PM 11:24 PM	3.2 98 1.0 30 4.1 125 1.3 40						

