



NOAA Tide Predictions

Wallops Island, Virginia, 2016

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.



Wallops Island, Virginia, 2016

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	
h	m	ft	cm	h	m	ft	cm	h	m	ft	cm	h	m	ft	cm
1	12:02 AM	3.0	91	16	12:01 AM	3.6	110	1	01:04 AM	3.1	94	16	01:48 AM	3.7	113
F	06:10 AM	0.1	3	Sa	06:13 AM	0.0	0	M	07:15 AM	0.2	6	Tu	08:08 AM	0.0	0
	12:23 PM	3.1	94	☉	12:23 PM	3.6	110	☉	01:21 PM	2.7	82	☉	02:09 PM	2.9	88
	06:43 PM	0.1	3	☾	06:41 PM	-0.1	-3	☾	07:28 PM	0.1	3	☾	08:16 PM	-0.1	-3
2	12:58 AM	2.9	88	17	01:03 AM	3.6	110	2	02:01 AM	3.2	98	17	02:57 AM	3.7	113
Sa	07:04 AM	0.2	6	Su	07:17 AM	0.0	0	Tu	08:11 AM	0.2	6	W	09:17 AM	0.0	0
☉	01:15 PM	2.9	88	☉	01:23 PM	3.3	101	☉	02:17 PM	2.7	82	☉	03:16 PM	2.8	85
☾	07:29 PM	0.1	3	☾	07:38 PM	-0.1	-3	☾	08:19 PM	0.1	3	☾	09:19 PM	-0.1	-3
3	01:54 AM	3.0	91	18	02:08 AM	3.7	113	3	02:59 AM	3.3	101	18	04:01 AM	3.7	113
Su	08:00 AM	0.2	6	M	08:23 AM	0.0	0	W	09:09 AM	0.2	6	Th	10:22 AM	0.0	0
	02:09 PM	2.8	85	☉	02:27 PM	3.1	94	☉	03:14 PM	2.7	82	☉	04:17 PM	2.8	85
	08:16 PM	0.1	3	☾	08:36 PM	-0.1	-3	☾	09:13 PM	0.1	3	☾	10:19 PM	-0.1	-3
4	02:50 AM	3.2	98	19	03:14 AM	3.8	116	4	03:53 AM	3.6	110	19	04:58 AM	3.8	116
M	08:56 AM	0.2	6	Tu	09:30 AM	0.0	0	Th	10:06 AM	0.1	3	F	11:19 AM	0.0	0
	03:03 PM	2.8	85	☉	03:30 PM	3.0	91	☉	04:08 PM	2.9	88	☉	05:11 PM	2.9	88
	09:04 PM	0.1	3	☾	09:35 PM	-0.1	-3	☾	10:06 PM	0.0	0	☾	11:15 PM	-0.1	-3
5	03:42 AM	3.4	104	20	04:15 AM	3.9	119	5	04:44 AM	3.9	119	20	05:47 AM	3.9	119
Tu	09:51 AM	0.2	6	W	10:35 AM	0.0	0	F	10:59 AM	0.1	3	Sa	12:07 PM	0.0	0
	03:54 PM	2.9	88	☉	04:30 PM	3.0	91	☉	04:59 PM	3.1	94	☉	05:59 PM	3.1	94
	09:53 PM	0.0	0	☾	10:33 PM	-0.2	-6	☾	10:59 PM	-0.1	-3	☾	10:32 PM	-0.1	-3
6	04:30 AM	3.7	113	21	05:10 AM	4.1	125	6	05:33 AM	4.1	125	21	12:04 AM	-0.1	-3
W	10:43 AM	0.1	3	Th	11:33 AM	-0.1	-3	Sa	11:49 AM	0.0	0	Su	06:32 AM	3.9	119
	04:42 PM	3.0	91	☉	05:24 PM	3.0	91	☉	05:48 PM	3.3	101	☉	12:48 PM	-0.1	-3
	10:41 PM	0.0	0	☾	11:27 PM	-0.2	-6	☾	11:49 PM	-0.1	-3	☾	06:43 PM	3.2	98
7	05:16 AM	3.9	119	22	06:01 AM	4.2	128	7	06:21 AM	4.4	134	22	12:48 AM	-0.2	-6
Th	11:32 AM	0.1	3	F	12:24 PM	-0.1	-3	Su	12:35 PM	-0.1	-3	M	07:13 AM	3.9	119
	05:29 PM	3.1	94	☉	06:15 PM	3.1	94	☉	06:36 PM	3.5	107	☉	01:25 PM	-0.1	-3
	11:28 PM	-0.1	-3	☾	06:49 AM	4.2	128	☾	07:25 PM	3.8	116	☾	07:24 PM	3.4	104
8	06:01 AM	4.2	128	23	12:17 AM	-0.2	-6	8	12:38 AM	-0.2	-6	23	01:29 AM	-0.2	-6
F	12:18 PM	0.0	0	Sa	06:49 AM	4.2	128	M	07:08 AM	4.6	140	Tu	07:52 AM	3.9	119
	06:15 PM	3.2	98	☉	01:09 PM	-0.1	-3	☉	01:21 PM	-0.2	-6	☉	02:00 PM	-0.1	-3
				☾	07:02 PM	3.1	94	☾	07:25 PM	3.8	116	☾	08:05 PM	3.4	104
9	12:13 AM	-0.1	-3	24	01:04 AM	-0.2	-6	9	01:27 AM	-0.3	-9	24	02:08 AM	-0.1	-3
Sa	06:46 AM	4.4	134	Su	08:16 AM	4.1	125	Tu	07:55 AM	4.6	140	W	08:30 AM	3.8	116
	01:02 PM	-0.1	-3	☉	01:51 PM	-0.1	-3	☉	02:06 PM	-0.2	-6	☉	02:36 PM	-0.1	-3
	07:01 PM	3.3	101	☾	07:47 PM	3.2	98	☾	08:14 PM	3.9	119	☾	08:45 PM	3.5	107
10	12:59 AM	-0.2	-6	25	01:48 AM	-0.2	-6	10	02:16 AM	-0.3	-9	25	02:48 AM	-0.1	-3
Su	07:31 AM	4.5	137	M	08:16 AM	4.1	125	W	08:42 AM	4.6	140	Th	09:08 AM	3.7	113
☉	01:46 PM	-0.1	-3	☉	02:31 PM	-0.1	-3	☉	02:52 PM	-0.2	-6	☉	03:11 PM	0.0	0
☾	07:48 PM	3.5	107	☾	08:31 PM	3.2	98	☾	09:03 PM	4.0	122	☾	09:24 PM	3.5	107
11	01:44 AM	-0.2	-6	26	02:30 AM	-0.2	-6	11	03:07 AM	-0.3	-9	26	03:28 AM	0.0	0
M	08:16 AM	4.6	140	Tu	08:58 AM	4.0	122	Th	09:30 AM	4.4	134	F	09:46 AM	3.5	107
	02:30 PM	-0.1	-3	☉	03:10 PM	-0.1	-3	☉	03:39 PM	-0.2	-6	☉	03:48 PM	0.0	0
	08:35 PM	3.5	107	☾	09:14 PM	3.2	98	☾	09:53 PM	4.1	125	☾	10:04 PM	3.5	107
12	02:31 AM	-0.2	-6	27	03:13 AM	-0.1	-3	12	04:01 AM	-0.2	-6	27	04:10 AM	0.0	0
Tu	09:02 AM	4.6	140	W	09:38 AM	3.8	116	F	10:18 AM	4.1	125	Sa	10:25 AM	3.3	101
	03:16 PM	-0.1	-3	☉	03:49 PM	-0.1	-3	☉	04:29 PM	-0.2	-6	☉	04:27 PM	0.1	3
	09:23 PM	3.6	110	☾	09:56 PM	3.2	98	☾	10:46 PM	4.0	122	☾	10:46 PM	3.4	104
13	03:21 AM	-0.2	-6	28	03:57 AM	0.0	0	13	04:58 AM	-0.2	-6	28	04:55 AM	0.1	3
W	09:49 AM	4.4	134	Th	10:18 AM	3.5	107	Sa	11:09 AM	3.8	116	Su	11:05 AM	3.1	94
	04:04 PM	-0.1	-3	☉	04:29 PM	0.0	0	☉	05:22 PM	-0.2	-6	☉	05:09 PM	0.1	3
	10:12 PM	3.6	110	☾	10:39 PM	3.1	94	☾	11:41 PM	3.9	119	☾	11:30 PM	3.4	104
14	04:15 AM	-0.1	-3	29	04:42 AM	0.0	0	14	05:58 AM	-0.1	-3	29	05:43 AM	0.1	3
Th	10:37 AM	4.2	128	F	10:58 AM	3.3	101	Su	12:03 PM	3.4	104	M	11:49 AM	2.9	88
	04:55 PM	-0.1	-3	☉	05:11 PM	0.0	0	☉	06:17 PM	-0.1	-3	☉	05:55 PM	0.1	3
	11:05 PM	3.6	110	☾	11:23 PM	3.1	94	☾				☾			
15	05:12 AM	-0.1	-3	30	05:30 AM	0.1	3	15	12:42 AM	3.8	116	15	01:20 AM	4.0	122
F	11:28 AM	3.9	119	Sa	11:42 AM	3.1	94	M	07:02 AM	0.0	0	Tu	07:46 AM	0.0	0
	05:47 PM	-0.1	-3	☉	05:54 PM	0.1	3	☉	01:03 PM	3.1	94	☉	01:45 PM	3.0	91
				☾	06:39 PM	0.1	3	☾	07:15 PM	-0.1	-3	☾	07:55 PM	0.0	0
				31	12:11 AM	3.1	94								
				Su	06:21 AM	0.1	3								
					12:29 PM	2.9	88								
					06:39 PM	0.1	3								
				31	01:36 AM	3.6	110								
				Th	07:58 AM	0.2	6								
				☉	02:02 PM	2.9	88								
				☾	08:05 PM	0.2	6								

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.
 Referenced to Station: OCEAN CITY (FISHING PIER) (8570280) Time offset in mins (high:4 low: -4) Height offset in feet (high: * 1.06 low: *0.31)



Wallops Island, Virginia, 2016

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

Times and Heights of High and Low Waters

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

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.
 Referenced to Station: OCEAN CITY (FISHING PIER) (8570280) Time offset in mins (high:4 low: -4) Height offset in feet (high: * 1.06 low: *0.31)



Wallops Island, Virginia, 2016

Times and Heights of High and Low Waters

October				November				December																
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	02:08 AM 08:21 AM 02:30 PM 08:41 PM	0.1 4.2 0.0 0.0	3 128 0 122	16 Su	01:44 AM 08:04 AM 02:18 PM 08:28 PM	-0.1 5.2 -0.2 4.7	-3 158 -6 143	1 Tu	02:45 AM 09:11 AM 03:24 PM 09:29 PM	0.1 4.4 0.1 3.6	3 134 3 110	16 W	01:57 AM 08:28 AM 02:48 PM 08:51 PM	-0.2 5.3 -0.2 3.9	-6 162 -6 119	1 Th	01:55 AM 08:27 AM 02:41 PM 08:44 PM	0.0 4.3 0.1 3.3	0 131 3 101	16 F	02:30 AM 09:03 AM 03:23 PM 09:24 PM	-0.3 4.8 -0.2 3.5	-9 146 -6 107	
2 Su	02:43 AM 09:00 AM 03:09 PM 09:19 PM	0.1 4.3 0.1 3.9	3 131 3 119	17 M	02:31 AM 08:55 AM 03:10 PM 09:18 PM	-0.2 5.4 -0.2 4.5	-6 165 -6 137	2 W	03:21 AM 09:51 AM 04:04 PM 10:09 PM	0.1 4.4 0.1 3.5	3 134 3 107	17 Th	02:49 AM 09:21 AM 03:42 PM 09:44 PM	-0.2 5.1 -0.1 3.7	-6 155 -3 113	2 F	02:34 AM 09:08 AM 03:22 PM 09:26 PM	0.1 4.3 0.1 3.2	3 131 3 98	17 Sa	03:22 AM 09:53 AM 04:15 PM 10:16 PM	-0.2 4.5 -0.1 3.4	-6 137 -3 104	
3 M	03:17 AM 09:39 AM 03:48 PM 09:58 PM	0.1 4.3 0.1 3.8	3 131 3 116	18 Tu	03:19 AM 09:46 AM 04:03 PM 10:10 PM	-0.2 5.4 -0.1 4.3	-6 165 -3 131	3 Th	04:00 AM 10:31 AM 04:46 PM 10:50 PM	0.1 4.3 0.2 3.3	3 131 6 101	18 F	03:42 AM 10:14 AM 04:39 PM 10:38 PM	-0.1 4.8 -0.1 3.5	-3 146 -3 107	3 Sa	03:15 AM 09:49 AM 04:06 PM 10:09 PM	0.1 4.2 0.1 3.2	3 128 3 98	18 Su	04:17 AM 10:43 AM 05:08 PM 11:09 PM	-0.1 4.2 -0.1 3.2	-3 128 -3 98	
4 Tu	03:54 AM 10:18 AM 04:29 PM 10:37 PM	0.1 4.3 0.2 3.6	3 131 6 110	19 W	04:09 AM 10:39 AM 04:59 PM 11:02 PM	-0.1 5.2 -0.1 4.0	-3 158 -3 122	4 F	04:41 AM 11:13 AM 05:31 PM 11:33 PM	0.2 4.2 0.2 3.2	6 128 6 98	19 Sa	04:39 AM 11:08 AM 05:37 PM 11:36 PM	-0.1 4.5 0.0 3.3	-3 137 0 101	4 Su	04:00 AM 10:31 AM 04:52 PM 10:54 PM	0.1 4.1 0.1 3.2	3 125 3 98	19 M	05:13 AM 11:34 AM 06:01 PM	0.0 3.8 0.0	0 116 0	
5 W	04:32 AM 10:59 AM 05:12 PM 11:18 PM	0.2 4.2 0.2 3.5	6 128 6 107	20 Th	05:03 AM 11:33 AM 05:58 PM 11:57 PM	-0.1 5.0 0.0 3.7	-3 152 0 113	5 Sa	05:26 AM 11:57 AM 06:20 PM	0.2 4.1 0.2	6 125 6	20 Su	05:40 AM 12:05 PM 06:37 PM	0.0 4.1 0.0	0 125 0	5 M	04:51 AM 11:17 AM 05:41 PM 11:45 PM	0.1 4.0 0.1 3.2	3 122 3 98	20 Tu	12:05 AM 06:12 PM 12:27 PM 06:52 PM	3.1 0.0 3.4 0.0	94 0 104 0	
6 Th	05:13 AM 11:42 AM 05:59 PM	0.2 4.1 0.3	6 125 9	21 F	06:01 AM 12:30 PM 07:00 PM	0.0 4.6 0.1	0 140 3	6 Su	12:20 AM 05:17 AM 11:46 AM 06:11 PM	3.2 0.2 4.0 0.2	98 6 122 6	21 M	12:38 AM 06:43 AM 01:06 PM 07:34 PM	3.2 0.1 3.8 0.1	98 3 116 3	6 Tu	05:46 AM 12:08 PM 06:32 PM	0.1 3.9 0.1	3 119 3	21 W	01:04 AM 07:11 AM 01:22 PM 07:42 PM	3.0 0.1 3.2 0.1	91 3 98 3	
7 F	12:01 AM 05:59 AM 12:28 PM 06:50 PM	3.3 0.3 4.0 0.3	101 9 122 9	22 Sa	12:57 AM 07:03 AM 01:32 PM 08:04 PM	3.4 0.1 4.3 0.1	104 3 131 3	7 M	12:13 AM 06:13 AM 12:40 PM 07:04 PM	3.2 0.3 3.9 0.2	98 9 119 6	22 Tu	01:45 AM 07:46 AM 02:08 PM 08:29 PM	3.1 0.1 3.5 0.1	94 3 107 3	7 W	12:42 AM 06:46 AM 01:04 PM 07:25 PM	3.3 0.1 3.8 0.1	101 3 116 3	22 Th	02:04 AM 08:10 AM 02:18 PM 08:31 PM	3.1 0.1 3.0 0.1	94 3 91 3	
8 Sa	12:49 AM 06:49 AM 01:20 PM 07:43 PM	3.2 0.3 3.9 0.3	98 9 119 9	23 Su	02:03 AM 08:07 AM 02:39 PM 09:07 PM	3.3 0.1 4.1 0.1	101 3 125 3	8 Tu	01:12 AM 07:12 AM 01:38 PM 07:58 PM	3.3 0.2 3.9 0.2	101 6 119 6	23 W	02:50 AM 08:49 AM 03:06 PM 09:19 PM	3.2 0.2 3.4 0.1	98 6 104 3	8 Th	01:43 AM 07:48 AM 02:04 PM 08:19 PM	3.5 0.1 3.7 0.0	107 3 113 0	23 F	03:02 AM 09:09 AM 03:12 PM 09:18 PM	3.2 0.2 2.9 0.1	98 6 88 3	
9 Su	01:44 AM 07:45 AM 02:17 PM 08:38 PM	3.2 0.3 3.9 0.3	98 9 119 9	24 M	03:15 AM 09:13 AM 03:46 PM 10:06 PM	3.3 0.1 3.9 0.1	101 3 119 3	9 W	02:13 AM 08:14 AM 02:38 PM 08:52 PM	3.5 0.2 4.0 0.1	107 6 122 3	24 Th	03:44 AM 09:48 AM 03:57 PM 10:04 PM	3.4 0.2 3.3 0.1	104 6 101 3	9 F	02:44 AM 08:52 AM 03:04 PM 09:14 PM	3.8 0.1 3.7 -0.1	116 3 113 -3	24 Sa	03:52 AM 10:05 AM 04:02 PM 10:04 PM	3.4 0.1 2.9 0.1	104 3 88 3	
10 M	02:45 AM 08:43 AM 03:17 PM 09:34 PM	3.2 0.3 4.0 0.3	98 9 122 9	25 Tu	04:21 AM 10:17 AM 04:45 PM 10:59 PM	3.4 0.2 3.8 0.1	104 6 116 3	10 Th	03:12 AM 09:15 AM 03:35 PM 09:45 PM	3.9 0.1 4.1 0.0	119 3 125 0	25 F	04:30 AM 10:41 AM 04:41 PM 10:45 PM	3.6 0.1 3.3 0.1	110 3 101 3	10 Sa	03:43 AM 09:55 AM 04:02 PM 10:09 PM	4.2 0.0 3.7 -0.1	128 0 113 -3	25 Su	04:38 AM 10:55 AM 04:48 PM 10:48 PM	3.5 0.1 2.9 0.0	107 3 88 0	
11 Tu	03:45 AM 09:42 AM 04:14 PM 10:28 PM	3.5 0.2 4.2 0.2	107 6 128 6	26 W	05:15 AM 11:16 AM 05:33 PM 11:45 PM	3.6 0.1 3.8 0.1	110 3 116 3	11 F	04:07 AM 10:16 AM 04:29 PM 10:37 PM	4.3 0.0 4.2 -0.1	131 0 128 -3	26 Sa	05:10 AM 11:26 AM 05:22 PM 11:24 PM	3.8 0.1 3.3 0.0	116 3 101 0	11 Su	04:39 AM 10:56 AM 04:58 PM 11:03 PM	4.6 -0.1 3.7 -0.2	140 -3 113 -6	26 M	05:20 AM 11:39 AM 05:31 PM 11:30 PM	3.8 0.1 3.0 0.0	116 3 91 0	
12 W	04:41 AM 10:41 AM 05:08 PM 11:19 PM	3.8 0.1 4.4 0.1	116 3 134 3	27 Th	05:59 AM 12:07 PM 06:15 PM	3.8 0.1 3.8	116 3 116	12 Sa	05:00 AM 11:13 AM 05:22 PM 11:28 PM	4.7 -0.1 4.3 -0.1	143 -3 131 -3	27 Su	05:49 AM 12:07 PM 06:02 PM	4.0 0.1 3.3	122 3 101	12 M	05:33 AM 11:53 AM 05:52 PM 11:56 PM	4.8 -0.2 3.8 -0.3	146 -6 116 -9	27 Tu	06:02 AM 12:20 PM 06:14 PM	3.9 0.1 3.1	119 3 94	
13 Th	05:34 AM 11:38 AM 05:59 PM	4.2 0.1 4.6	128 3 140	28 F	12:24 AM 06:38 AM 12:50 PM 06:54 PM	0.1 4.0 0.1 3.8	3 122 3 116	13 Su	05:52 AM 12:09 PM 06:14 PM	5.0 -0.1 4.3	152 -3 131	28 M	12:02 AM 06:28 AM 12:45 PM 06:42 PM	0.0 4.1 0.1 3.3	0 125 3 101	13 Tu	06:27 AM 12:48 PM 06:46 PM	5.0 -0.2 3.8	152 -6 116	28 W	12:11 AM 06:43 AM 12:59 PM 06:56 PM	0.0 4.1 0.0 3.1	0 125 0 94	
14 F	12:09 AM 06:24 AM 12:33 PM 06:49 PM	0.0 4.6 0.0 4.7	0 140 0 143	29 Sa	01:00 AM 07:16 AM 01:30 PM 07:32 PM	0.1 4.1 0.1 3.8	3 125 3 116	14 M	12:18 AM 06:44 AM 01:02 PM 07:06 PM	-0.2 5.3 -0.2 4.2	-6 162 -6 128	29 Tu	12:39 AM 07:07 AM 01:23 PM 07:23 PM	0.0 4.3 0.1 3.3	0 131 3 101	14 W	12:48 AM 07:19 AM 01:40 PM 07:39 PM	-0.3 5.1 -0.2 3.7	-9 155 -6 113	29 Th	12:52 AM 07:24 AM 01:38 PM 07:38 PM	-0.1 4.2 0.0 3.2	-3 128 0 98	
15 Sa	12:57 AM 07:14 AM 01:26 PM 07:38 PM	-0.1 4.9 -0.1 4.7	-3 149 -3 143	30 Su	01:35 AM 07:54 AM 02:08 PM 08:11 PM	0.1 4.3 0.1 3.7	3 131 3 113	15 Tu	01:07 AM 07:36 AM 01:55 PM 07:58 PM	-0.2 5.4 -0.2 4.1	-6 165 -6 125	30 W	01:17 AM 07:47 AM 02:01 PM 08:03 PM	0.0 4.3 0.1 3.3	0 131 3 101	15 Th	01:39 AM 08:12 AM 02:32 PM 08:32 PM	-0.3 5.0 -0.2 3.6	-9 152 -6 110	30 F	01:32 AM 08:05 AM 02:18 PM 08:21 PM	-0.1 4.2 0.0 3.2	-3 128 0 98	
31 M	02:09 AM 08:32 AM 02:45 PM 08:50 PM	0.1 4.4 0.1 3.7	3 134 3 113														31 Sa	02:13 AM 08:46 AM 02:58 PM 09:03 PM	-0.1 4.3 0.0 3.3	-3 131 0 101				