



NOAA Tide Predictions

Charleston, OR, 2023

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.



Charleston, OR, 2023
 (43 20.7N / 124 19.3W)

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 12:57 AM 2.8 85 08:34 AM 8.1 247 Su 02:38 PM 0.9 27 09:02 PM 5.5 168	16 06:25 AM 7.7 235 01:38 PM 1.3 40 M 08:04 PM 5.1 155	1 02:32 AM 4.2 128 08:37 AM 7.5 229 W 03:58 PM 0.3 9 10:58 PM 5.9 180	16 01:32 AM 4.1 125 07:51 AM 8.0 244 Th 03:16 PM -0.4 -12 10:12 PM 5.9 180	1 12:58 AM 4.2 128 07:04 AM 6.8 207 W 02:35 PM 0.9 27 09:48 PM 5.5 168	16 01:00 AM 4.1 125 07:15 AM 7.3 223 Th 02:48 PM 0.1 3 09:55 PM 5.6 171						
2 01:55 AM 3.3 101 08:20 AM 8.2 247 M 03:31 PM 0.3 9 10:11 PM 5.8 177	17 12:41 AM 3.6 110 07:18 AM 8.0 244 Tu 02:39 PM 0.4 12 09:23 PM 5.4 165	2 03:33 AM 4.1 125 09:28 AM 7.6 232 Th 04:42 PM 0.0 0 11:35 PM 6.1 186	17 02:51 AM 3.8 116 08:58 AM 8.4 256 F 04:10 PM -0.9 -27 10:58 PM 6.5 198	2 02:19 AM 4.2 128 09:12 AM 6.8 207 Th 03:30 PM 0.7 21 10:30 PM 5.8 177	17 02:35 AM 3.9 119 08:39 AM 7.5 229 F 03:52 PM -0.2 -6 10:46 PM 6.2 189						
3 02:52 AM 3.7 113 09:04 AM 8.2 250 Tu 04:17 PM -0.1 -3 11:05 PM 6.0 183	18 01:51 AM 3.9 119 08:14 AM 8.4 256 W 03:35 PM -0.4 -12 10:26 PM 5.9 180	3 04:22 AM 3.9 119 10:14 AM 7.8 238 F 05:20 PM -0.1 -3	18 03:56 AM 3.3 101 09:59 AM 8.8 268 Sa 04:59 PM -1.3 -40 11:40 PM 7.0 213	3 03:21 AM 3.9 119 09:10 AM 7.0 213 F 04:15 PM 0.4 12 11:01 PM 6.1 186	18 03:52 AM 3.3 101 09:51 AM 7.8 238 Sa 04:47 PM -0.6 -18 11:28 PM 6.8 207						
4 03:45 AM 3.9 119 09:47 AM 8.2 250 W 04:58 PM -0.3 -9 11:49 PM 6.2 189	19 02:59 AM 3.9 119 09:10 AM 8.8 268 Th 04:27 PM -1.1 -34 11:18 PM 6.4 195	4 12:06 AM 6.3 192 05:04 AM 3.6 110 Sa 10:55 AM 7.9 241 05:54 PM -0.2 -6	19 04:53 AM 2.7 82 10:55 AM 9.1 277 Su 05:44 PM -1.5 -46	4 04:08 AM 3.4 104 09:58 AM 7.3 223 Sa 04:52 PM 0.3 9 11:29 PM 6.4 195	19 04:53 AM 2.5 76 10:54 AM 8.1 247 Su 05:34 PM -0.7 -21						
5 04:32 AM 3.9 119 10:27 AM 8.2 250 Th 05:36 PM -0.5 -15	20 04:01 AM 3.7 113 10:06 AM 9.2 280 F 05:16 PM -1.6 -49	5 12:35 AM 6.5 198 05:42 AM 3.4 104 Su 11:33 AM 8.0 244 O 06:25 PM -0.3 -9	20 12:18 AM 7.5 229 05:46 AM 2.0 61 M 11:48 AM 9.1 277 ● 06:25 PM -1.3 -40	5 04:48 AM 3.0 91 10:41 AM 7.5 229 Su 05:24 PM 0.2 6 11:55 PM 6.7 204	20 12:06 AM 7.3 223 05:47 AM 1.6 49 M 11:50 AM 8.3 253 ● 06:17 PM -0.6 -18						
6 12:28 AM 6.4 195 05:15 AM 3.9 119 F 11:06 AM 8.2 250 O 06:12 PM -0.5 -15	21 12:04 AM 6.8 207 04:59 AM 3.4 104 Sa 11:00 AM 9.5 290 ● 06:03 PM -1.9 -58	6 01:03 AM 6.7 204 06:18 AM 3.1 94 M 12:10 PM 7.9 241 O 06:54 PM -0.2 -6	21 12:56 AM 7.9 241 06:36 AM 1.4 43 Tu 12:39 PM 8.8 268 07:05 PM -0.9 -27	6 05:25 AM 2.6 79 11:20 AM 7.6 232 M 05:54 PM 0.2 6	21 12:42 AM 7.8 238 06:36 AM 0.8 24 Tu 12:42 PM 8.2 250 ● 06:57 PM -0.3 -9						
7 01:03 AM 6.5 198 05:54 AM 3.8 116 Sa 11:44 AM 8.1 247 06:47 PM -0.5 -15	22 12:48 AM 7.2 219 05:53 AM 3.0 91 Su 11:53 AM 9.5 290 06:48 PM -1.9 -58	7 01:31 AM 6.9 210 06:54 AM 2.9 88 Tu 12:46 PM 7.7 235 07:22 PM 0.1 3	22 01:33 AM 8.2 250 07:25 AM 1.0 30 W 01:30 PM 8.3 253 07:43 PM -0.2 -6	7 12:20 AM 6.9 210 06:00 AM 2.1 64 Tu 11:57 AM 7.5 229 O 06:21 PM 0.3 9	22 01:17 AM 8.2 250 07:22 AM 0.2 6 W 01:33 PM 8.0 244 07:35 PM 0.2 6						
8 01:36 AM 6.5 198 06:32 AM 3.8 116 Su 12:21 PM 8.0 244 07:20 PM -0.3 -9	23 01:30 AM 7.5 229 06:46 AM 2.6 79 M 12:45 PM 9.2 280 07:31 PM -1.6 -49	8 01:58 AM 7.0 213 07:30 AM 2.6 79 W 01:23 PM 7.4 226 07:50 PM 0.4 12	23 02:10 AM 8.3 253 08:15 AM 0.8 24 Th 02:22 PM 7.5 229 08:21 PM 0.7 21	8 12:45 AM 7.2 219 06:34 AM 1.7 52 W 12:35 PM 7.4 226 06:48 PM 0.6 18	23 01:52 AM 8.4 256 08:07 AM -0.2 -6 Th 02:23 PM 7.5 229 08:12 PM 0.9 27						
9 02:09 AM 6.6 201 07:09 AM 3.7 113 M 12:57 PM 7.8 238 07:52 PM -0.1 -3	24 02:11 AM 7.8 238 07:39 AM 2.3 70 Tu 11:38 PM 8.7 265 08:13 PM -1.0 -30	9 02:25 AM 7.2 219 08:09 AM 2.4 73 Th 02:02 PM 7.0 213 08:17 PM 0.9 27	24 02:48 AM 8.3 253 09:07 AM 0.7 21 F 03:16 PM 6.7 204 09:00 PM 1.6 49	9 01:11 AM 7.4 226 07:09 AM 1.3 40 Th 01:14 PM 7.1 216 07:15 PM 1.0 30	24 02:26 AM 8.4 256 08:52 AM -0.4 -12 F 03:13 PM 7.0 213 08:48 PM 1.7 52						
10 02:41 AM 6.7 204 07:49 AM 3.6 110 Tu 01:34 PM 7.5 229 08:23 PM 0.2 6	25 02:53 AM 8.0 244 08:35 AM 2.0 61 W 02:32 PM 8.0 244 08:55 PM -0.1 -3	10 02:52 AM 7.3 223 08:52 AM 2.2 67 F 02:45 PM 6.4 195 08:46 PM 1.5 46	25 03:26 AM 8.1 247 10:02 AM 0.8 24 Sa 04:17 PM 6.0 183 09:41 PM 2.5 76	10 01:36 AM 7.6 232 07:46 AM 1.0 30 F 01:55 PM 6.7 204 07:43 PM 1.5 46	25 03:01 AM 8.2 250 09:38 AM -0.3 -9 Sa 04:05 PM 6.4 195 09:26 PM 2.4 73						
11 03:14 AM 6.7 204 08:32 AM 3.5 107 W 02:13 PM 7.0 213 08:55 PM 0.6 18	26 03:34 AM 8.0 244 09:35 AM 1.9 58 Th 03:29 PM 7.1 216 09:38 PM 0.8 24	11 03:21 AM 7.4 226 09:41 AM 1.9 58 Sa 03:37 PM 5.8 177 09:18 PM 2.2 67	26 04:07 AM 7.7 235 11:04 AM 0.9 27 Su 05:29 PM 5.4 165 10:39 PM 3.3 101	11 02:02 AM 7.7 235 08:27 AM 0.8 24 Sa 02:41 PM 6.3 192 08:12 PM 2.1 64	26 03:37 AM 7.8 238 10:27 AM 0.0 0 Su 05:01 PM 5.8 177 10:07 PM 3.1 94						
12 03:46 AM 6.8 207 09:22 AM 3.4 104 Th 02:58 PM 6.5 198 09:28 PM 1.2 37	27 04:17 AM 8.0 244 10:39 AM 1.7 52 F 04:34 PM 6.2 189 10:22 PM 1.8 55	12 03:54 AM 7.5 229 10:39 AM 1.7 52 Su 04:44 PM 5.3 162 09:56 PM 2.9 88	27 04:55 AM 7.3 223 12:14 PM 1.1 34 M 07:01 PM 5.1 155 ● 11:34 PM 4.0 122	12 03:31 AM 7.7 235 10:13 AM 0.6 18 Su 04:34 PM 5.8 177 09:46 PM 2.7 82	27 04:17 AM 7.3 223 11:22 AM 0.5 15 M 06:08 PM 5.4 165 10:57 PM 3.7 113						
13 04:20 AM 7.0 213 10:19 AM 3.1 94 F 03:52 PM 5.9 180 10:04 PM 1.8 55	28 05:02 AM 7.9 241 11:48 AM 1.5 46 Sa 05:51 PM 5.5 168 ● 11:12 PM 2.8 85	13 04:36 AM 7.5 229 11:47 AM 1.3 40 M 06:12 PM 4.9 149 ● 10:48 PM 3.5 107	28 05:54 AM 7.0 213 01:27 PM 1.1 34 Tu 08:42 PM 5.2 158	13 04:06 AM 7.7 235 11:08 AM 0.6 18 M 05:41 PM 5.3 162 10:27 PM 3.3 101	28 05:03 AM 6.8 207 12:26 PM 0.9 27 Tu 07:31 PM 5.1 155						
14 04:56 AM 7.2 219 11:24 AM 2.7 82 Sa 05:03 PM 5.4 165 10:46 PM 2.4 73	29 05:51 AM 7.8 238 12:59 PM 1.2 37 Su 07:23 PM 5.2 158	14 05:30 AM 7.6 232 01:01 PM 0.9 27 Tu 07:52 PM 5.0 152	14 04:52 AM 7.5 229 12:16 PM 0.6 18 Tu 07:08 PM 5.0 152 11:28 PM 3.9 119	29 12:07 AM 4.1 125 06:05 AM 6.4 195 W 01:38 PM 1.1 34 ● 09:01 PM 5.2 158							
15 05:37 AM 7.4 226 12:32 PM 2.0 61 Su 06:32 PM 5.0 152 ● 11:37 PM 3.1 94	30 12:12 AM 3.5 107 06:45 AM 7.6 232 M 02:07 PM 0.9 27 08:58 PM 5.3 162	15 12:04 AM 4.0 122 06:38 AM 7.8 238 W 02:12 PM 0.3 9 09:14 PM 5.4 165	15 05:54 AM 7.4 226 01:32 PM 0.4 12 W 08:42 PM 5.2 158 ●	30 01:38 AM 4.2 128 07:23 AM 6.1 186 Th 02:49 PM 1.1 34 10:03 PM 5.5 168							
31 01:22 AM 4.0 122 07:42 AM 7.5 229 Tu 03:07 PM 0.6 18 10:09 PM 5.6 171				31 03:00 AM 3.9 119 08:40 AM 6.2 189 F 03:46 PM 1.0 30 10:42 PM 5.8 177							

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.



Charleston, OR, 2023
 (43 20.7N / 124 19.3W)

Times and Heights of High and Low Waters

April				May				June							
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	04:00 AM	3.4	104	16	03:50 AM	2.4	73	1	04:16 AM	2.2	67	16	04:36 AM	0.4	12
	09:44 AM	6.4	195		09:45 AM	7.0	213		10:04 AM	5.8	177		10:43 AM	6.1	186
Sa	04:32 PM	0.8	24	Su	04:15 PM	0.1	3	M	04:13 PM	1.3	40	Tu	04:24 PM	1.3	40
	11:12 PM	6.2	189		10:50 PM	7.2	219		10:41 PM	6.8	207		10:46 PM	8.0	244
2	04:46 AM	2.8	85	17	04:47 AM	1.4	43	2	04:57 AM	1.4	43	17	05:24 AM	-0.4	-12
	10:35 AM	6.6	201		10:48 AM	7.2	219		10:56 AM	6.0	183		11:42 AM	6.2	189
Su	05:09 PM	0.7	21	M	05:01 PM	0.2	6	Tu	04:50 PM	1.5	46	W	05:10 PM	1.7	52
	11:39 PM	6.5	198		11:27 PM	7.7	235		11:09 PM	7.2	219		11:23 PM	8.2	250
3	05:26 AM	2.2	67	18	05:37 AM	0.5	15	3	05:35 AM	0.7	21	18	06:09 AM	-1.0	-30
	11:20 AM	6.8	207		11:45 AM	7.3	223		11:44 AM	6.2	189		12:36 PM	6.3	192
M	05:42 PM	0.7	21	Tu	05:44 PM	0.5	15	W	05:25 PM	1.7	52	Th	05:53 PM	2.1	64
									11:38 PM	7.5	229		11:59 PM	8.3	253
4	12:04 AM	6.9	210	19	12:02 AM	8.1	247	4	06:12 AM	-0.1	-3	19	06:50 AM	-1.4	-43
	06:02 AM	1.6	49		06:23 AM	-0.3	-9		12:31 PM	6.3	192		01:26 PM	6.3	192
Tu	12:02 PM	6.9	210	W	12:38 PM	7.2	219	Th	06:00 PM	1.9	58	F	06:35 PM	2.5	76
	06:13 PM	0.8	24		06:24 PM	1.0	30								
5	12:30 AM	7.2	219	20	12:37 AM	8.4	256	5	12:07 AM	7.8	238	20	12:35 AM	8.2	250
	06:37 AM	1.0	30		07:06 AM	-0.9	-27		06:49 AM	-0.7	-21		07:30 AM	-1.5	-46
W	12:43 PM	6.9	210	Th	01:28 PM	7.1	216	F	01:17 PM	6.4	195	Sa	02:13 PM	6.2	189
	06:42 PM	1.1	34	●	07:03 PM	1.5	46	○	06:36 PM	2.2	67		07:15 PM	2.8	85
6	12:56 AM	7.5	229	21	01:11 AM	8.4	256	6	12:38 AM	8.1	247	21	01:10 AM	7.9	241
	07:12 AM	0.4	12		07:48 AM	-1.1	-34		07:28 AM	-1.2	-37		08:10 AM	-1.4	-43
Th	01:25 PM	6.9	210	F	02:17 PM	6.8	207	Sa	02:04 PM	6.3	192	Su	02:59 PM	6.1	186
○	07:12 PM	1.4	43		07:41 PM	2.0	61		07:12 PM	2.6	79		07:56 PM	3.1	94
7	01:22 AM	7.7	235	22	01:45 AM	8.2	250	7	01:12 AM	8.2	250	22	01:47 AM	7.6	232
	07:48 AM	0.0	0		08:30 AM	-1.1	-34		08:09 AM	-1.5	-46		08:50 AM	-1.1	-34
F	02:08 PM	6.7	204	Sa	03:05 PM	6.5	198	Su	02:53 PM	6.2	189	M	03:44 PM	5.9	180
	07:42 PM	1.8	55		08:19 PM	2.6	79		05:51 PM	2.9	88		08:37 PM	3.4	104
8	01:50 AM	7.9	241	23	02:19 AM	7.9	241	8	01:50 AM	8.2	250	23	02:25 AM	7.2	219
	08:26 AM	-0.4	-12		09:12 AM	-0.9	-27		08:53 AM	-1.5	-46		09:31 AM	-0.7	-21
Sa	02:53 PM	6.4	195	Su	03:55 PM	6.1	186	M	03:44 PM	6.1	186	Tu	04:30 PM	5.8	177
	08:13 PM	2.3	70		08:58 PM	3.1	94		08:35 PM	3.2	98		09:21 PM	3.6	110
9	02:20 AM	7.9	241	24	02:56 AM	7.5	229	9	02:33 AM	8.0	244	24	03:06 AM	6.8	207
	09:07 AM	-0.5	-15		09:56 AM	-0.5	-15		09:42 AM	-1.4	-43		10:15 AM	-0.3	-9
Su	03:42 PM	6.1	186	M	04:47 PM	5.8	177	Tu	04:41 PM	5.9	180	W	05:19 PM	5.6	171
	08:48 PM	2.8	85		09:41 PM	3.5	107		09:26 PM	3.4	104		10:13 PM	3.7	113
10	02:54 AM	7.9	241	25	03:35 AM	7.0	213	10	03:23 AM	7.7	235	25	03:51 AM	6.4	195
	09:54 AM	-0.5	-15		10:45 AM	0.0	0		10:37 AM	-1.0	-30		11:02 AM	0.2	6
M	04:39 PM	5.7	174	Tu	05:46 PM	5.5	168	W	05:42 PM	5.8	177	Th	06:10 PM	5.6	171
	09:28 PM	3.2	98		10:33 PM	3.8	116		10:30 PM	3.6	110		11:16 PM	3.7	113
11	03:36 AM	7.7	235	26	04:22 AM	6.5	198	11	04:23 AM	7.2	219	26	04:45 AM	5.9	180
	10:50 AM	-0.3	-9		11:42 AM	0.5	15		11:38 AM	-0.6	-18		11:52 AM	0.6	18
Tu	05:46 PM	5.5	168	W	06:53 PM	5.3	162	Th	06:46 PM	5.9	180	F	07:01 PM	5.7	174
	10:21 PM	3.7	113		11:44 PM	4.0	122		11:51 PM	3.6	110				
12	04:29 AM	7.4	226	27	05:21 AM	6.0	183	12	05:36 AM	6.7	204	27	12:31 AM	3.6	110
	11:56 AM	-0.1	-3		12:45 PM	0.9	27		12:42 PM	-0.3	-9		05:49 AM	5.4	165
W	07:04 PM	5.4	165	Th	08:02 PM	5.4	165	F	07:47 PM	6.2	189	Sa	12:43 PM	1.0	30
	11:38 PM	3.9	119	○				○				○	07:48 PM	5.9	180
13	05:39 AM	7.0	213	28	01:10 AM	3.9	119	13	01:19 AM	3.1	94	28	01:44 AM	3.1	94
	01:08 PM	0.0	0		06:36 AM	5.7	174		06:59 AM	6.3	192		07:04 AM	5.1	155
Th	08:21 PM	5.6	171	F	01:49 PM	1.1	34	Sa	01:45 PM	0.1	3	Su	01:34 PM	1.3	40
○					08:58 PM	5.6	171		08:41 PM	6.6	201		08:29 PM	6.2	189
14	01:13 AM	3.8	116	29	02:28 AM	3.5	107	14	02:36 AM	2.4	73	29	02:46 AM	2.5	76
	07:06 AM	6.8	207		07:56 AM	5.6	171		08:22 AM	6.1	186		08:21 AM	5.0	152
F	02:19 PM	0.0	0	Sa	02:45 PM	1.2	37	Su	02:43 PM	0.5	15	M	02:22 PM	1.6	49
	09:22 PM	6.1	186		09:38 PM	5.9	180		09:27 PM	7.1	216		09:06 PM	6.6	201
15	02:41 AM	3.3	101	30	03:28 AM	2.9	88	15	03:41 AM	1.4	43	30	03:38 AM	1.7	52
	08:31 AM	6.8	207		09:06 AM	5.6	171		09:37 AM	6.1	186		09:30 AM	5.1	155
Sa	03:21 PM	0.0	0	Su	03:32 PM	1.2	37	M	03:36 PM	0.9	27	Tu	03:08 PM	1.9	58
	10:09 PM	6.6	201		10:11 PM	6.3	192		10:08 PM	7.6	232		09:40 PM	7.0	213
16	05:05 AM	-0.1	-3	17	05:54 AM	-1.2	-37	16	04:36 AM	0.4	12	17	05:24 AM	-0.4	-12
	11:27 AM	5.5	168		12:37 PM	5.7	174		10:43 AM	6.1	186		11:42 AM	6.2	189
Th	04:37 PM	2.5	76	F	05:28 PM	3.0	91	M	04:13 PM	1.3	40	Tu	04:24 PM	1.3	40
	10:49 PM	7.8	238		11:29 PM	7.9	241		10:41 PM	6.8	207		10:46 PM	8.0	244
2	05:46 AM	-0.9	-27	17	06:35 AM	-1.4	-43	2	04:57 AM	1.4	43	17	05:24 AM	-0.4	-12
	12:19 PM	5.8	177		01:24 PM	5.9	180		10:56 AM	6.0	183		11:42 AM	6.2	189
F	05:21 PM	2.7	82	Sa	06:14 PM	3.1	94	Tu	04:50 PM	1.5	46	W	05:10 PM	1.7	52
	11:26 PM	8.1	247						11:09 PM	7.2	219		11:23 PM	8.2	250
3	06:28 AM	-1.5	-46	18	12:09 AM	7.8	238	3	05:35 AM	0.7	21	18	06:09 AM	-1.0	-30
	01:09 PM	6.0	183		07:15 AM	-1.5	-46		11:44 AM	6.2	189		12:36 PM	6.3	192
Sa	06:05 PM	2.9	88	Su	02:07 PM	5.9	180	W	05:25 PM	1.7	52	Th	05:53 PM	2.1	64
				●	06:57 PM	3.2	98		11:38 PM	7.5	229		11:59 PM	8.3	253
4	12:05 AM	8.3	253	19	12:48 AM	7.6	232	4	06:12 AM	-0.1	-3	19	06:50 AM	-1.4	-43
	07:11 AM	-2.0	-61		07:53 AM	-1.4	-43		12:31 PM	6.3	192		01:26 PM	6.3	192
Su	01:59 PM	6.1	186	M	02:47 PM	5.9	180	Th	06:00 PM	1.9	58	F	06:35 PM	2.5	76
○	06:50 PM	3.0	91		07:38 PM	3.3	101								
5	12:48 AM	8.4	256	20	01:26 AM	7.4	226	5	12:07 AM	7.8	238	20	12:35 AM	8.2	250
	07:55 AM	-2.2	-67		08:31 AM	-1.1	-34		06:49 AM	-0.7	-21		07:30 AM	-1.5	-46
M	02:														



Charleston, OR, 2023
 (43 20.7N / 124 19.3W)

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 05:23 AM	-1.2 -37	16 06:21 AM	-1.1 -34	1 06:39 AM	-2.1 -64	16 12:22 AM	7.4 226	1 01:15 AM	8.4 256	16 01:22 AM	7.0 213
12:09 PM	5.5 168	01:14 PM	5.7 174	01:22 PM	6.4 195	07:10 AM	-0.6 -18	07:38 AM	-1.0 -30	07:29 AM	0.7 21
Sa 04:50 PM	3.1 94	Su 06:01 PM	3.2 98	Tu 06:27 PM	2.4 73	W 01:45 PM	6.2 189	F 02:04 PM	7.9 241	Sa 01:48 PM	7.2 219
10:56 PM	8.2 250	11:54 PM	7.5 229	○		● 07:06 PM	2.4 73	07:59 PM	0.4 12	07:53 PM	1.0 30
2 06:10 AM	-1.8 -55	17 06:59 AM	-1.1 -34	2 12:29 AM	8.7 265	17 12:59 AM	7.3 223	2 02:07 AM	8.0 244	17 02:01 AM	6.7 204
12:59 PM	5.8 177	01:50 PM	5.9 180	07:23 AM	-2.2 -67	07:39 AM	-0.4 -12	08:18 AM	-0.4 -12	07:56 AM	1.2 37
Su 05:44 PM	3.1 94	M 06:43 PM	3.1 94	W 02:04 PM	6.8 207	Th 02:12 PM	6.4 195	Sa 02:41 PM	8.1 247	Su 02:12 PM	7.3 223
11:45 PM	8.5 259	●		07:20 PM	2.0 61	07:41 PM	2.2 67	08:50 PM	0.0 0	08:28 AM	0.7 21
3 06:56 AM	-2.3 -70	18 12:34 AM	7.5 229	3 01:22 AM	8.6 262	18 01:36 AM	7.1 216	3 03:01 AM	7.4 226	18 02:41 AM	6.4 195
01:46 PM	6.1 186	07:35 AM	-1.1 -34	08:06 AM	-2.0 -61	08:07 AM	-0.2 -6	08:57 AM	0.4 12	08:23 AM	1.7 52
M 06:36 PM	2.9 88	Tu 02:23 PM	5.9 180	Th 02:44 PM	7.1 216	F 02:39 PM	6.6 201	Su 03:20 PM	8.1 247	M 02:37 PM	7.4 226
○		07:23 PM	3.0 91	08:14 PM	1.5 46	08:17 PM	1.9 58	09:42 PM	-0.1 -3	09:06 PM	0.5 15
4 12:36 AM	8.6 262	19 01:13 AM	7.4 226	4 02:15 AM	8.2 250	19 02:13 AM	6.8 207	4 03:57 AM	6.6 201	19 03:25 AM	6.0 183
08:28 AM	-2.4 -73	08:09 AM	-0.9 -27	08:48 AM	-1.5 -46	08:34 AM	0.2 6	09:38 AM	1.3 40	08:51 AM	2.2 67
Tu 02:32 PM	6.4 195	W 02:55 PM	6.0 183	F 03:24 PM	7.4 226	Sa 03:05 PM	6.7 204	M 03:59 PM	7.9 241	Tu 03:05 PM	7.4 226
07:29 PM	2.7 82	08:01 PM	2.9 88	09:08 PM	1.2 37	08:55 PM	1.7 52	10:37 PM	0.0 0	09:49 AM	0.4 12
5 01:27 AM	8.6 262	20 01:50 AM	7.2 219	5 03:09 AM	7.6 232	20 02:51 AM	6.4 195	5 04:59 AM	5.9 180	20 04:16 AM	5.6 171
08:28 AM	-2.4 -73	08:41 AM	-0.7 -21	03:30 AM	-0.7 -21	09:01 AM	0.7 21	10:21 AM	2.2 67	09:23 AM	2.8 85
W 03:17 PM	6.6 201	Th 03:26 PM	6.1 186	Sa 04:05 PM	7.6 232	Su 03:31 PM	6.8 207	Tu 04:42 PM	7.6 232	W 03:38 PM	7.3 223
08:24 PM	2.5 76	08:41 PM	2.8 85	10:06 PM	0.9 27	09:35 PM	1.5 46	11:38 PM	0.2 6	10:40 PM	0.5 15
6 02:20 AM	8.3 253	21 02:28 AM	6.8 207	6 04:07 AM	6.8 207	21 03:34 AM	6.0 183	6 06:10 AM	5.3 162	21 05:19 AM	5.2 158
09:14 AM	-2.0 -61	09:12 AM	-0.3 -9	10:12 AM	0.2 6	09:29 AM	1.3 40	11:13 AM	3.0 91	10:01 AM	3.3 101
Th 04:02 PM	6.8 207	F 03:57 PM	6.2 189	Su 04:47 PM	7.7 235	M 03:59 PM	6.9 210	W 05:32 PM	7.2 219	Th 04:21 PM	7.2 219
09:22 PM	2.3 70	09:22 PM	2.6 79	11:08 PM	0.8 24	10:20 PM	1.3 40	○		11:44 PM	0.5 15
7 03:16 AM	7.7 235	22 03:07 AM	6.4 195	7 05:10 AM	5.9 180	22 04:23 AM	5.4 165	7 12:47 AM	0.4 12	22 06:40 AM	5.0 152
10:00 AM	-1.4 -43	08:42 AM	0.1 3	10:57 AM	1.2 37	09:59 AM	1.9 58	07:38 AM	5.1 155	10:59 AM	3.8 116
F 04:47 PM	7.0 213	Sa 04:28 PM	6.3 192	M 05:32 PM	7.6 232	Tu 04:30 PM	6.9 210	Th 12:21 PM	3.6 110	F 05:19 PM	7.0 213
10:25 PM	2.1 64	10:09 PM	2.5 76	○		11:14 PM	1.2 37	06:33 PM	6.8 207	○	
8 04:15 AM	7.0 213	23 03:50 AM	5.9 180	8 12:14 AM	0.6 18	23 05:24 AM	4.9 149	8 02:00 AM	0.5 15	23 12:58 AM	0.4 12
10:46 AM	-0.6 -18	10:13 AM	0.6 18	06:23 AM	5.2 158	10:34 AM	2.6 79	09:12 AM	5.2 158	08:10 AM	5.1 155
Sa 05:33 PM	7.2 219	Su 04:59 PM	6.4 195	Tu 11:47 AM	2.1 64	W 05:08 PM	6.9 210	F 01:46 PM	3.9 119	Sa 12:29 PM	4.1 125
11:34 PM	1.7 52	11:00 PM	2.3 70	○ 06:21 PM	7.4 226	○		07:45 PM	6.5 198	06:39 PM	6.9 210
9 05:21 AM	6.1 186	24 04:40 AM	5.4 165	9 01:25 AM	0.4 12	24 12:17 AM	1.0 30	9 03:09 AM	0.5 15	24 02:13 AM	0.2 6
11:35 AM	0.3 9	10:46 AM	1.2 37	07:50 AM	4.8 146	06:45 AM	4.6 140	10:20 AM	5.4 165	09:23 AM	5.5 168
Su 06:20 PM	7.3 223	M 05:33 PM	6.5 198	W 12:47 PM	2.9 88	Th 11:22 AM	3.2 98	Sa 03:06 PM	3.8 116	Su 02:05 PM	3.9 119
○		11:59 PM	1.9 58	○ 06:21 PM	7.2 219	○ 05:59 PM	7.0 213	08:55 PM	6.6 201	08:05 PM	7.1 216
10 12:46 AM	1.3 40	25 05:43 AM	4.8 146	10 02:35 AM	0.2 6	25 01:28 AM	0.6 18	10 04:07 AM	0.4 12	25 03:18 AM	-0.1 -3
06:36 AM	5.4 165	11:23 AM	1.9 58	09:24 AM	4.9 149	08:20 AM	4.6 140	11:05 AM	5.7 174	10:15 AM	6.0 183
M 12:26 PM	1.2 37	Tu 06:10 PM	6.7 204	Th 01:57 PM	3.4 104	F 12:33 PM	3.6 110	Su 04:07 PM	3.4 104	M 03:23 PM	3.3 101
○ 07:09 PM	7.5 229	○		08:15 PM	7.1 216	07:05 PM	7.1 216	09:55 PM	6.7 204	09:20 PM	7.4 226
11 01:57 AM	0.7 21	26 01:03 AM	1.5 46	11 03:39 AM	0.0 0	26 02:40 AM	0.2 6	11 04:54 AM	0.2 6	26 04:14 AM	-0.4 -12
08:00 AM	4.9 149	07:03 AM	4.5 137	10:40 AM	5.1 155	09:43 AM	4.9 149	11:38 AM	6.0 183	10:56 AM	6.6 201
Tu 01:21 PM	2.0 61	W 12:09 PM	2.5 76	F 03:10 PM	3.6 110	Sa 02:01 PM	3.8 116	M 04:55 PM	3.0 91	Tu 04:25 PM	2.4 73
07:59 PM	7.5 229	06:55 PM	6.9 210	09:16 PM	7.0 213	08:19 PM	7.3 223	10:45 PM	6.9 210	10:25 PM	7.8 238
12 03:03 AM	0.2 6	27 02:08 AM	0.9 27	12 04:34 AM	-0.2 -6	27 03:45 AM	-0.4 -12	12 05:32 AM	0.1 3	27 05:02 AM	-0.5 -15
09:27 AM	4.9 149	08:33 AM	4.4 134	11:34 AM	5.4 165	10:43 AM	5.4 165	12:07 PM	6.3 192	11:34 AM	7.3 223
W 02:21 PM	2.7 82	Th 01:08 PM	3.0 91	Sa 04:14 PM	3.5 107	Su 03:22 PM	3.5 107	Tu 05:35 PM	2.5 76	W 05:19 PM	1.5 46
08:49 PM	7.5 229	07:47 PM	7.1 216	10:11 PM	7.1 216	09:29 PM	7.7 235	11:28 PM	7.1 216	11:22 PM	8.0 244
13 04:02 AM	-0.3 -9	28 03:11 AM	0.2 6	13 05:22 AM	-0.4 -12	28 04:41 AM	-1.0 -30	13 06:05 AM	0.1 3	28 05:46 AM	-0.5 -15
10:43 AM	5.1 155	09:56 AM	4.7 143	12:14 PM	5.7 174	11:29 AM	5.9 180	12:33 PM	6.5 198	12:10 PM	7.8 238
Th 03:22 PM	3.1 94	F 02:18 PM	3.4 104	Su 05:07 PM	3.3 101	M 04:28 PM	3.0 91	W 06:11 PM	2.1 64	Th 06:09 PM	0.6 18
09:38 PM	7.5 229	08:44 PM	7.5 229	10:59 PM	7.2 219	10:31 PM	8.2 250	○		○	
14 04:53 AM	-0.7 -21	29 04:09 AM	-0.5 -15	14 06:02 AM	-0.5 -15	29 05:30 AM	-1.4 -43	14 12:07 AM	7.2 219	29 12:16 AM	8.1 247
11:44 AM	5.3 162	11:01 AM	5.1 155	12:47 PM	5.9 180	12:10 PM	6.5 198	06:35 AM	0.2 6	06:27 AM	-0.2 -6
F 04:21 PM	3.3 101	Sa 03:29 PM	3.4 104	M 05:50 PM	3.0 91	Tu 05:26 PM	2.3 70	Th 12:58 PM	6.8 207	F 12:46 PM	8.3 253
10:26 PM	7.5 229	09:43 PM	7.8 238	11:42 PM	7.3 223	11:28 PM	8.5 259	06:46 PM	1.7 52	○ 12:56 PM	-0.2 -6
15 05:40 AM	-1.0 -30	30 05:02 AM	-1.2 -37	15 06:38 AM	-0.6 -18	30 06:16 AM	-1.5 -46	15 12:45 AM	7.1 216	30 01:09 AM	7.9 241
12:33 PM	5.6 171	11:54 AM	5.5 168	01:17 PM	6.1 186	12:49 PM	7.0 213	07:03 AM	0.4 12	07:07 AM	0.3 9
Sa 05:14 PM	3.3 101	Su 04:34 PM	3.2 98	Tu 06:29 PM	2.7 82	W 06:19 PM	1.6 49	F 01:23 PM	7.0 213	Sa 01:22 PM	8.5 259
11:11 PM	7.5 229	10:40 PM	8.3 253	○		○		● 07:19 PM	1.3 40	07:42 PM	-0.7 -21
31 05:52 AM	-1.8 -55	31 05:52 AM	-1.8 -55			31 12:22 AM	8.6 262				
12:39 PM	6.0 183	12:39 PM	6.0 183			06:58 AM	-1.4 -43				
M 05:32 PM	2.9 88	M 05:32 PM	2.9 88			Th 01:26 PM	7.5 229				
11:35 PM	8.6 262	11:35 PM	8.6 262			○ 07:09 PM	0.9 27				

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.



Charleston, OR, 2023
 (43 20.7N / 124 19.3W)

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 02:01 AM	7.6 232	16 01:52 AM	6.6 201	1 03:39 AM	6.6 201	16 02:22 AM	6.4 195	1 03:14 AM	6.5 198	16 03:01 AM	6.8 207
07:46 AM	1.0 30	07:20 AM	2.3 70	08:40 AM	3.4 104	07:08 AM	3.7 113	08:07 AM	4.0 122	07:56 AM	3.7 113
Su 01:58 PM	8.6 262	M 01:25 PM	8.0 244	W 02:36 PM	8.1 247	Th 01:04 PM	8.4 256	F 01:52 PM	7.6 232	Sa 01:49 PM	8.4 256
08:29 PM	-0.9 -27	08:06 PM	-0.3 -9	09:38 PM	-0.6 -18	08:16 PM	-0.9 -27	08:59 PM	0.0 0	08:51 PM	-0.9 -27
2 02:53 AM	7.1 216	17 02:36 AM	6.4 195	2 04:34 AM	6.3 192	17 03:15 AM	6.3 192	2 04:02 AM	6.3 192	17 03:49 AM	7.0 213
08:25 AM	1.8 55	07:50 AM	2.7 82	09:26 AM	3.9 119	07:55 AM	4.0 122	08:59 AM	4.2 128	08:57 AM	3.6 110
M 02:35 PM	8.4 256	Tu 01:53 PM	8.0 244	Th 03:18 PM	7.5 229	F 01:50 PM	8.1 247	Sa 02:37 PM	7.0 213	Su 02:46 PM	7.9 241
09:16 PM	-0.8 -24	08:44 PM	-0.4 -12	10:28 PM	0.0 0	09:07 PM	-0.6 -18	09:44 PM	0.5 15	09:41 PM	-0.4 -12
3 03:48 AM	6.6 201	18 03:23 AM	6.2 189	3 05:33 AM	6.0 183	18 04:13 AM	6.2 189	3 04:52 AM	6.3 192	18 04:39 AM	7.1 216
09:06 AM	2.5 76	08:28 AM	3.1 94	10:22 AM	4.2 128	08:55 AM	4.1 125	10:02 AM	4.2 128	10:09 AM	3.4 104
Tu 03:14 PM	8.0 244	W 02:25 PM	7.9 241	F 04:07 PM	6.9 210	Sa 02:46 PM	7.7 235	Su 03:29 PM	6.5 198	M 03:51 PM	7.1 216
10:06 PM	-0.4 -12	09:28 PM	-0.3 -9	11:25 PM	0.6 18	10:03 PM	-0.2 -6	10:32 PM	1.0 30	10:33 PM	0.3 9
4 04:47 AM	6.0 183	19 04:17 AM	5.9 180	4 06:39 AM	5.9 180	19 05:14 AM	6.3 192	4 05:41 AM	6.4 195	19 05:29 AM	7.4 226
09:51 AM	3.2 98	09:01 AM	3.6 110	11:36 AM	4.4 134	10:12 AM	4.1 125	11:16 AM	4.1 125	11:28 AM	2.9 88
W 03:56 PM	7.5 229	Th 03:04 PM	7.7 235	Sa 05:08 PM	6.4 195	Su 03:55 PM	7.2 219	M 04:32 PM	6.0 183	Tu 05:07 PM	6.4 195
11:02 PM	0.1 3	10:20 PM	-0.1 -3			11:05 PM	0.2 6	11:22 PM	1.5 46	11:27 PM	1.1 34
5 05:55 AM	5.6 171	20 05:20 AM	5.6 171	5 12:27 AM	1.0 30	20 06:13 AM	6.6 201	5 06:28 AM	6.5 198	20 06:20 AM	7.8 238
09:06 AM	3.8 116	09:50 AM	4.0 122	06:46 AM	5.9 180	11:41 AM	3.8 116	12:31 PM	3.7 113	12:45 PM	2.2 67
Th 04:46 PM	6.9 210	F 03:54 PM	7.4 226	Su 12:04 PM	4.2 128	M 05:17 PM	6.7 204	Tu 05:47 PM	5.6 171	W 06:32 PM	5.9 180
		11:22 PM	0.1 3	05:23 PM	6.0 183						
6 12:06 AM	0.5 15	21 06:34 AM	5.6 171	6 12:29 AM	1.3 40	21 12:07 AM	0.6 18	6 12:12 AM	1.9 58	21 12:23 AM	1.8 55
07:16 AM	5.5 168	11:03 AM	4.3 131	07:40 AM	6.2 189	07:07 AM	7.1 216	07:10 AM	6.8 207	07:09 AM	8.1 247
F 12:01 PM	4.1 125	Sa 05:00 PM	7.1 216	M 01:21 PM	3.8 116	Tu 01:03 PM	3.0 91	W 01:35 PM	3.0 91	Th 01:54 PM	1.3 40
05:50 PM	6.4 195			06:42 PM	5.8 177	06:43 PM	6.4 195	07:06 PM	5.4 165	07:58 PM	5.8 177
7 01:18 AM	0.9 27	22 12:32 AM	0.3 9	7 01:25 AM	1.5 46	22 01:06 AM	1.0 30	7 01:01 AM	2.3 70	22 01:21 AM	2.5 76
08:39 AM	5.5 168	07:49 AM	5.8 177	08:20 AM	6.5 198	07:55 AM	7.6 232	07:48 AM	7.2 219	07:56 AM	8.4 256
Sa 01:33 PM	4.1 125	Su 12:39 PM	4.2 128	Tu 02:20 PM	3.2 98	W 02:11 PM	2.0 61	Th 02:28 PM	2.2 67	F 02:54 PM	0.5 15
07:09 PM	6.2 189	06:26 PM	6.8 207	07:54 PM	5.8 177	08:04 PM	6.3 192	08:19 PM	5.4 165	09:16 PM	5.9 180
8 02:27 AM	1.0 30	23 01:42 AM	0.3 9	8 02:13 AM	1.7 52	23 02:01 AM	1.4 43	8 01:48 AM	2.7 82	23 02:18 AM	3.0 91
09:39 AM	5.8 177	08:50 AM	6.2 189	08:53 AM	6.9 210	08:37 AM	8.2 250	08:23 AM	7.5 229	08:42 AM	8.6 262
Su 02:52 PM	3.8 116	M 02:10 PM	3.6 110	W 03:06 PM	2.4 73	Th 03:09 PM	0.9 27	F 03:13 PM	1.4 43	Sa 03:47 PM	-0.2 -6
08:27 PM	6.2 189	07:55 PM	6.8 207	08:53 PM	6.0 183	09:15 PM	6.5 198	09:22 PM	5.6 171	10:22 PM	6.1 186
9 03:25 AM	1.0 30	24 02:45 AM	0.4 12	9 02:54 AM	1.9 58	24 02:52 AM	1.9 58	9 02:34 AM	3.0 91	24 03:14 AM	3.4 104
10:20 AM	6.1 186	09:37 AM	6.8 207	09:22 AM	7.3 223	09:17 AM	8.6 262	08:57 AM	7.9 241	09:27 AM	8.8 268
M 03:50 PM	3.3 101	Tu 03:21 PM	2.7 82	Th 03:46 PM	1.7 52	F 03:59 PM	0.0 0	Sa 03:54 PM	0.6 18	Su 04:34 PM	-0.8 -24
09:31 PM	6.3 192	09:12 PM	7.0 213	09:45 PM	6.2 189	10:17 PM	6.6 201	10:17 PM	5.9 180	11:18 PM	6.4 195
10 04:11 AM	1.0 30	25 03:40 AM	0.4 12	10 03:31 AM	2.1 64	25 03:40 AM	2.3 70	10 03:18 AM	3.3 101	25 04:07 AM	3.6 110
10:50 AM	6.4 195	10:18 AM	7.5 229	09:50 AM	7.6 232	09:56 AM	8.9 271	09:32 AM	8.2 250	10:10 AM	8.8 268
Tu 04:35 PM	2.7 82	W 04:19 PM	1.7 52	F 04:23 PM	0.9 27	Sa 04:45 PM	-0.8 -24	Su 04:33 PM	-0.1 -3	M 05:18 PM	-1.0 -30
10:23 PM	6.5 198	10:19 PM	7.2 219	10:33 PM	6.3 192	11:14 PM	6.8 207	11:07 PM	6.1 186		
11 04:49 AM	1.0 30	26 04:28 AM	0.6 18	11 04:06 AM	2.3 70	26 04:26 AM	2.7 82	11 04:02 AM	3.5 107	26 12:06 AM	6.6 201
11:17 AM	6.8 207	10:55 AM	8.1 247	10:18 AM	8.0 244	10:34 AM	9.1 277	10:08 AM	8.5 259	04:56 AM	3.7 113
W 05:13 PM	2.1 64	Th 05:10 PM	0.6 18	Sa 04:58 PM	0.3 9	Su 05:29 PM	-1.2 -37	M 05:13 PM	-0.7 -21	Tu 10:53 AM	8.7 265
11:08 PM	6.7 204	11:18 PM	7.3 223	11:18 PM	6.5 198			11:55 PM	6.4 195	05:59 PM	-1.1 -34
12 05:22 AM	1.1 34	27 05:13 AM	0.9 27	12 04:40 AM	2.6 79	27 12:06 AM	6.9 210	12 04:46 AM	3.6 110	27 12:50 AM	6.7 204
11:43 AM	7.1 216	11:31 AM	8.6 262	10:47 AM	8.2 250	05:11 AM	3.0 91	10:46 AM	8.8 268	05:41 AM	3.7 113
Th 05:49 PM	1.5 46	F 05:57 PM	-0.3 -9	Su 05:33 PM	-0.3 -9	M 11:12 AM	9.0 274	Tu 05:53 PM	-1.1 -34	W 11:34 AM	8.6 262
11:50 PM	6.8 207					06:11 PM	-1.4 -43			06:38 PM	-1.0 -30
13 05:52 AM	1.2 37	28 12:13 AM	7.4 226	13 12:02 AM	6.6 201	28 12:55 AM	6.9 210	13 12:41 AM	6.6 201	28 01:30 AM	6.7 204
12:08 PM	7.4 226	05:55 AM	1.3 40	05:15 AM	2.9 88	05:54 AM	3.4 104	05:29 AM	3.7 113	06:24 AM	3.7 113
F 06:23 PM	0.9 27	Sa 12:07 PM	8.9 271	M 11:17 AM	8.4 256	Tu 11:51 AM	8.8 268	W 11:27 AM	8.9 271	Th 12:14 PM	8.3 253
		06:42 PM	-0.9 -27	06:10 PM	-0.7 -21	06:52 PM	-1.3 -40	06:35 PM	-1.4 -43	07:16 PM	-0.8 -24
14 12:30 AM	6.8 207	29 01:05 AM	7.3 223	14 12:47 AM	6.6 201	29 01:42 AM	6.8 207	14 01:27 AM	6.7 204	29 02:08 AM	6.7 204
06:22 AM	1.5 46	06:36 AM	1.8 55	05:50 AM	3.2 98	06:37 AM	3.6 110	06:14 AM	3.7 113	07:06 AM	3.8 116
Sa 12:33 PM	7.7 235	Su 12:43 PM	9.0 274	Tu 11:49 AM	8.5 259	W 12:30 PM	8.5 259	Th 12:10 PM	8.9 271	F 12:54 PM	8.0 244
06:56 PM	0.4 12	07:26 PM	-1.3 -40	06:48 PM	-1.0 -30	07:33 PM	-1.0 -30	07:19 PM	-1.5 -46	07:53 PM	-0.4 -12
15 01:11 AM	6.8 207	30 01:57 AM	7.2 219	15 01:33 AM	6.5 198	30 02:28 AM	6.6 201	15 02:13 AM	6.8 207	30 02:45 AM	6.7 204
06:51 AM	1.9 58	07:16 AM	2.4 73	06:27 AM	3.5 107	07:21 AM	3.8 116	07:02 AM	3.7 113	07:48 AM	3.8 116
Su 12:58 PM	7.9 241	M 01:19 PM	8.8 268	W 12:24 PM	8.5 259	Th 01:10 PM	8.1 247	F 12:57 PM	8.8 268	Sa 01:34 PM	7.7 235
07:30 PM	0.0 0	08:09 PM	-1.3 -40	07:30 PM	-1.0 -30	08:15 PM	-0.5 -15	08:04 PM	-1.3 -40	08:29 PM	0.0 0
		31 02:48 AM	6.9 210							31 03:22 AM	6.7 204
		07:57 AM	2.9 88							08:34 AM	3.7 113
		Tu 01:57 PM	8.5 259							Su 02:14 PM	7.2 219
		08:52 PM	-1.0 -30							09:03 PM	0.6 18

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