



NOAA Tide Predictions

Cascade Head, Salmon River, OR,2021

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.



Cascade Head, Salmon River, OR, 2021

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 01:40 AM 6.8 207 07:09 AM 2.3 70 F 12:53 PM 9.0 274 08:04 PM -0.6 -18	16 02:16 AM 7.2 219 07:50 AM 2.0 61 Sa 01:29 PM 8.1 247 08:30 PM 0.0 0	1 02:10 AM 7.3 223 08:03 AM 1.4 43 M 02:01 PM 7.7 235 08:26 PM 0.4 12	16 02:26 AM 6.7 204 08:35 AM 1.7 52 Tu 02:18 PM 5.8 177 08:20 PM 1.7 52	1 01:04 AM 7.8 238 07:15 AM 0.3 9 M 01:13 PM 7.9 241 07:31 PM 0.1 3	16 02:17 AM 7.1 216 08:43 AM 0.6 18 Tu 02:35 PM 6.0 183 08:25 PM 1.5 46	2 02:11 AM 6.7 204 08:16 AM 2.3 76 Sa 01:30 PM 8.7 265 08:29 PM -0.3 -9	17 02:52 AM 6.8 207 08:26 AM 2.2 67 Su 02:03 PM 7.2 219 08:49 PM 0.7 21	2 02:46 AM 7.2 219 08:48 AM 1.6 49 Tu 02:50 PM 6.6 201 08:56 PM 1.2 37	17 02:48 AM 6.5 198 09:17 AM 2.0 61 W 02:59 PM 4.9 149 08:43 PM 2.5 76	2 01:36 AM 7.9 241 07:57 AM 0.3 9 Tu 01:59 PM 7.0 213 07:58 PM 0.9 27	17 02:36 AM 7.0 213 09:14 AM 0.8 24 W 03:13 PM 5.3 162 08:46 PM 2.1 64	3 02:46 AM 6.5 198 08:16 AM 2.3 70 Su 02:11 PM 8.0 244 08:58 PM 0.2 6	18 03:29 AM 6.4 195 09:08 AM 2.5 76 M 02:38 PM 6.2 189 09:09 PM 1.5 46	3 03:27 AM 7.1 216 09:52 AM 1.9 58 W 03:59 PM 5.4 165 09:34 PM 2.2 67	18 03:14 AM 6.2 189 10:26 AM 2.3 70 Th 04:31 PM 4.0 122 09:16 PM 3.3 101	3 02:11 AM 7.8 238 08:46 AM 0.5 15 W 02:56 PM 5.9 180 08:31 PM 1.8 55	18 02:57 AM 6.8 207 09:14 AM 1.1 34 Th 04:01 PM 4.6 140 09:15 PM 2.7 82	4 03:26 AM 6.4 195 09:01 AM 2.5 76 M 02:58 PM 7.0 213 09:32 PM 0.9 27	19 04:09 AM 6.1 186 10:04 AM 2.8 85 Tu 03:22 PM 5.1 155 09:37 PM 2.3 70	4 04:20 AM 6.9 210 10:05 AM 2.0 61 Th 06:06 PM 4.6 140 10:36 PM 3.2 98	19 03:56 AM 6.0 183 12:55 PM 2.3 70 F 08:07 PM 4.2 128 10:34 PM 4.0 122	4 02:52 AM 7.6 232 09:55 AM 0.9 27 Th 04:20 PM 5.0 152 09:14 PM 2.7 82	19 03:26 AM 6.5 198 10:44 AM 1.5 46 F 05:48 PM 4.1 125 09:56 PM 3.4 104	5 04:14 AM 6.3 192 10:05 AM 2.6 79 Tu 04:00 PM 5.9 180 10:17 PM 1.7 52	20 05:00 AM 5.9 180 11:47 AM 2.9 88 W 05:14 PM 4.2 128 10:20 PM 3.1 94	5 05:33 AM 6.8 207 12:08 PM 1.3 40 F 08:14 PM 4.9 149	20 05:13 AM 5.7 174 02:35 PM 1.7 52 Sa 09:19 PM 4.8 146	5 03:43 AM 7.1 216 11:58 AM 1.1 34 F 06:22 PM 4.7 143 10:35 PM 3.5 107	20 04:07 AM 6.2 189 12:38 PM 1.7 52 Sa 08:15 PM 4.2 128 11:21 PM 3.9 119	6 05:14 AM 6.4 195 12:09 PM 2.6 79 W 05:47 PM 4.9 149 11:24 PM 2.6 79	21 06:12 AM 5.8 177 01:58 PM 2.5 76 Th 08:22 PM 4.2 128	6 12:57 AM 3.8 116 07:02 AM 7.0 213 Sa 03:22 PM 0.4 12 09:28 PM 5.7 174	21 01:37 AM 4.1 125 07:20 AM 5.9 180 Su 03:30 PM 1.0 30 09:54 PM 5.5 168	6 04:57 AM 6.7 204 01:45 PM 0.8 24 Sa 08:03 PM 5.2 158	21 05:10 AM 5.8 177 02:29 PM 1.5 46 Su 09:27 PM 4.7 143	7 06:25 AM 6.7 204 12:16 PM 1.8 55 Th 08:02 PM 4.8 146	22 12:17 AM 3.8 116 07:29 AM 6.0 183 F 03:17 PM 1.7 52 09:39 PM 4.9 149	7 02:42 AM 3.6 110 08:22 AM 7.4 226 Su 04:15 PM -0.4 -12 10:15 PM 6.4 195	22 02:53 AM 3.7 113 08:33 AM 6.5 198 M 04:10 PM 0.4 12 10:22 PM 6.0 183	7 01:02 AM 3.8 116 06:37 AM 6.5 198 Su 02:58 PM 0.2 6 09:06 PM 5.9 180	22 01:47 AM 3.9 119 06:52 AM 5.6 171 M 03:36 PM 1.0 30 10:07 PM 5.3 162	8 01:13 AM 3.2 98 07:37 AM 7.1 216 F 03:31 PM 0.8 24 09:27 PM 5.5 168	23 02:24 AM 3.9 119 08:29 AM 6.5 198 Sa 04:05 PM 0.9 27 10:20 PM 5.6 171	8 03:44 AM 3.1 94 09:22 AM 8.0 244 M 04:59 PM -0.9 -27 10:54 PM 7.1 216	23 03:40 AM 3.1 94 09:21 AM 7.2 219 Tu 04:45 PM -0.2 -6 10:49 PM 6.5 198	8 02:32 AM 3.3 101 08:06 AM 6.8 207 M 03:52 PM -0.4 -12 09:51 PM 6.6 201	23 03:09 AM 3.3 101 08:36 AM 6.0 183 Tu 04:23 PM 0.4 12 10:39 PM 5.8 177	9 02:46 AM 3.3 101 08:40 AM 7.8 238 Sa 04:26 PM -0.2 -6 10:23 PM 6.2 189	24 03:25 AM 3.6 110 09:15 AM 7.0 213 Su 04:42 PM 0.3 9 10:52 PM 6.2 189	9 04:32 AM 2.5 76 10:10 AM 8.4 256 Tu 05:39 PM -1.2 -37 11:30 PM 7.5 229	24 04:18 AM 2.4 73 10:00 AM 7.8 238 W 05:17 PM -0.6 -18 11:15 PM 6.8 207	9 03:32 AM 2.5 76 09:10 AM 7.2 219 Tu 04:36 PM -0.7 -21 10:29 PM 7.1 216	24 04:03 AM 2.6 79 09:41 AM 6.6 201 W 05:01 PM -0.1 -3 11:07 PM 6.2 189	10 03:48 AM 3.1 94 09:32 AM 8.4 256 Su 05:12 PM -1.0 -30 11:08 PM 6.9 210	25 04:08 AM 3.3 101 09:51 AM 7.6 232 M 05:16 PM -0.3 -9 11:21 PM 6.6 201	10 05:14 AM 2.0 61 10:52 AM 8.7 265 W 06:14 PM -1.2 -37	25 04:53 AM 1.8 55 10:36 AM 8.4 256 Th 05:47 PM -0.9 -27 11:41 PM 7.1 216	10 04:19 AM 1.9 58 09:59 AM 7.6 232 W 05:13 PM -0.9 -27 11:03 PM 7.4 226	25 04:46 AM 1.9 58 10:30 AM 7.2 219 Th 05:35 PM -0.4 -12 11:34 PM 6.7 204	11 04:38 AM 2.8 85 10:19 AM 8.9 271 M 05:54 PM -1.4 -43 11:48 PM 7.3 223	26 04:45 AM 2.8 85 10:25 AM 8.2 250 Tu 05:49 PM -0.7 -21 11:48 PM 6.9 210	11 12:04 AM 7.7 235 05:51 AM 1.6 49 Th 11:30 AM 8.7 265 06:46 PM -1.1 -34	26 05:27 AM 1.3 40 11:13 AM 8.7 265 F 06:16 PM -1.0 -30	11 04:59 AM 1.3 40 10:41 AM 7.8 238 Th 05:47 PM -0.8 -24 11:36 PM 7.6 232	26 05:25 AM 1.1 34 11:13 AM 7.6 232 F 06:06 PM -0.6 -18	12 05:22 AM 2.5 76 11:01 AM 9.3 283 Tu 06:33 PM -1.5 -46	27 05:19 AM 2.4 73 10:57 AM 8.7 265 W 06:19 PM -0.9 -27	12 12:37 AM 7.7 235 06:26 AM 1.4 43 F 12:06 PM 8.6 262 07:12 PM -0.7 -21	27 12:07 AM 7.4 226 06:02 AM 0.8 24 Sa 11:51 AM 8.8 268 06:42 PM -0.8 -24	12 05:36 AM 0.9 27 11:18 AM 7.7 235 F 06:15 PM -0.5 -15	27 12:01 AM 7.1 216 06:05 AM 0.5 15 Sa 11:55 AM 7.9 241 06:36 PM -0.5 -15	13 12:26 AM 7.6 232 06:03 AM 2.2 67 W 11:41 AM 9.4 287 07:08 PM -1.4 -43	28 12:15 AM 7.1 216 05:50 AM 2.0 61 Th 11:30 AM 9.1 277 06:47 PM -1.0 -30	13 01:08 AM 7.6 232 06:58 AM 1.3 40 Sa 12:39 PM 8.1 247 07:33 PM -0.2 -6	28 12:35 AM 7.6 232 06:37 AM 0.5 15 Su 12:30 PM 8.5 259 07:07 PM -0.5 -15	13 12:06 AM 7.6 232 06:11 AM 0.7 21 Sa 11:53 AM 7.5 229 06:39 PM -0.1 -3	28 12:29 AM 7.6 232 06:45 AM -0.1 -3 Su 12:39 PM 7.8 238 07:04 PM -0.2 -6	14 01:03 AM 7.6 232 06:40 AM 2.0 61 Th 12:19 PM 9.2 280 07:40 PM -1.1 -34	29 12:42 AM 7.2 219 06:21 AM 1.7 52 F 12:05 PM 9.2 280 07:14 PM -1.0 -30	14 01:37 AM 7.3 223 07:29 AM 1.3 40 Su 01:11 PM 7.5 229 07:48 PM 0.3 9	15 02:03 AM 7.0 213 08:01 AM 1.4 43 M 01:44 PM 6.7 204 08:02 PM 1.0 30	14 12:34 AM 7.5 229 07:43 AM 0.6 18 Su 01:27 PM 7.1 216 07:56 PM 0.4 12	15 01:57 AM 7.3 223 08:13 AM 0.5 15 M 02:01 PM 6.6 201 08:09 PM 0.9 27	15 01:31 AM 8.2 250 08:11 AM -0.8 -24 Tu 02:12 PM 6.9 210 08:04 PM 0.9 27	15 01:40 AM 7.5 229 07:16 AM 1.9 58 F 12:54 PM 8.7 265 08:07 PM -0.6 -18	30 01:09 AM 7.3 223 06:52 AM 1.5 46 Sa 12:41 PM 9.1 277 07:38 PM -0.7 -21	15 02:03 AM 7.0 213 08:01 AM 1.4 43 M 01:44 PM 6.7 204 08:02 PM 1.0 30	31 01:39 AM 7.3 223 07:25 AM 1.4 43 Su 01:19 PM 8.6 262 08:01 PM -0.3 -9	31 02:05 AM 8.3 253 08:59 AM -0.7 -21 W 03:06 PM 6.2 189 08:39 PM 1.6 49

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.



Cascade Head, Salmon River, OR, 2021

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



Cascade Head, Salmon River, OR, 2021

Times and Heights of High and Low Waters

July				August				September			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
1	h m ft cm 12:16 AM 1.6 49 05:42 AM 5.1 155 Th 12:23 PM 0.3 9 07:06 PM 6.3 192	16	h m ft cm 05:00 AM 5.6 171 11:26 AM 0.2 6 F 05:55 PM 6.5 198	1	h m ft cm 01:47 AM 1.0 30 07:58 AM 3.9 119 Su 12:38 PM 2.2 67 07:27 PM 6.1 186	16	h m ft cm 01:40 AM 0.3 9 07:50 AM 4.4 134 M 12:32 PM 2.3 70 06:57 PM 7.1 216	1	h m ft cm 03:32 AM 0.7 21 10:04 AM 4.5 137 W 02:25 PM 3.2 98 08:24 PM 6.0 183	16	h m ft cm 04:04 AM -0.2 -6 10:07 AM 5.5 168 Th 03:27 PM 2.6 79 09:12 PM 6.7 204
2	01:21 AM 1.4 43 06:58 AM 4.5 137 F 01:02 PM 1.0 30 07:51 PM 6.3 192	17	12:33 AM 1.1 34 06:14 AM 4.9 149 Sa 12:07 PM 0.9 27 06:42 PM 6.7 204	2	03:01 AM 0.8 24 09:23 AM 4.0 122 M 01:36 PM 2.7 82 08:17 PM 6.1 186	17	03:06 AM 0.0 0 09:16 AM 4.6 140 Tu 01:47 PM 2.7 82 08:05 PM 7.1 216	2	04:31 AM 0.4 12 10:50 AM 4.9 149 Th 03:38 PM 2.9 88 09:32 PM 6.3 192	17	05:00 AM -0.5 -15 10:56 AM 6.0 183 F 04:35 PM 2.1 64 10:18 PM 6.8 207
3	02:29 AM 1.1 34 08:20 AM 4.1 125 Sa 01:44 PM 1.6 49 08:35 PM 6.4 195	18	01:49 AM 0.7 21 07:43 AM 4.5 137 Su 12:55 PM 1.5 46 07:33 PM 7.0 213	3	04:08 AM 0.5 15 10:29 AM 4.3 131 Tu 02:45 PM 3.0 91 09:10 PM 6.3 192	18	04:19 AM -0.4 -12 10:23 AM 5.0 152 W 03:13 PM 2.8 85 09:16 PM 7.2 219	3	05:18 AM 0.0 0 11:27 AM 5.2 158 F 04:36 PM 2.5 76 10:25 PM 6.6 201	18	05:48 AM -0.6 -18 11:38 AM 6.4 195 Sa 05:31 PM 1.6 49 11:12 PM 6.9 210
4	03:36 AM 0.7 21 10:45 AM 4.1 125 Su 02:30 PM 2.1 64 09:17 PM 6.4 195	19	03:11 AM 0.2 6 09:14 AM 4.4 134 M 01:53 PM 2.1 64 08:29 PM 7.3 223	4	05:04 AM 0.1 3 11:20 AM 4.7 143 W 03:55 PM 3.0 91 10:02 PM 6.5 198	19	05:20 AM -0.8 -24 11:16 AM 5.5 168 Th 04:29 PM 2.5 76 10:21 PM 7.3 223	4	05:59 AM -0.3 -9 12:00 PM 5.5 168 Sa 05:26 PM 2.1 64 11:11 PM 7.0 213	19	06:29 AM -0.6 -18 12:17 PM 6.7 204 Su 06:21 PM 1.1 34
5	04:37 AM 0.3 9 11:39 AM 4.3 131 M 03:22 PM 2.6 79 09:56 PM 6.6 201	20	04:25 AM -0.4 -12 10:29 AM 4.7 143 Tu 03:01 PM 2.5 76 09:28 PM 7.6 232	5	05:52 AM -0.2 -6 12:01 PM 5.0 152 Th 04:55 PM 2.8 85 10:48 PM 6.8 207	20	06:11 AM -1.0 -30 12:02 PM 5.9 180 F 05:33 PM 2.1 64 11:16 PM 7.5 229	5	06:35 AM -0.5 -15 12:30 PM 5.8 177 Su 06:12 PM 1.6 49 11:54 PM 7.3 223	20	12:00 AM 6.9 210 07:06 AM -0.4 -12 M 12:52 PM 6.9 210 07:57 PM 0.7 21
6	05:29 AM -0.1 -3 11:39 AM 4.6 140 Tu 04:17 PM 2.8 85 10:34 PM 6.7 204	21	05:29 AM -0.9 -27 11:29 AM 5.2 158 W 04:16 PM 2.6 79 10:27 PM 7.8 238	6	06:35 AM -0.5 -15 12:37 PM 5.3 162 F 05:47 PM 2.6 79 11:30 PM 7.1 216	21	06:57 AM -1.2 -37 12:45 PM 6.3 192 Sa 06:28 PM 1.7 52	6	07:09 AM -0.7 -21 12:58 PM 6.2 189 M 06:56 PM 1.1 34	21	12:43 AM 6.7 204 07:37 AM -0.1 -3 Tu 01:25 PM 7.0 213 07:48 PM 0.4 12
7	06:17 AM -0.4 -12 12:25 PM 4.8 146 W 05:12 PM 2.9 88 11:11 PM 6.9 210	22	06:26 AM -1.3 -40 12:21 PM 5.6 171 Th 05:28 PM 2.5 76 11:21 PM 7.9 241	7	07:13 AM -0.7 -21 01:10 PM 5.5 168 Sa 06:34 PM 2.2 67	22	12:06 AM 7.5 229 07:38 AM -1.1 -34 Su 01:24 PM 6.5 198 07:19 PM 1.3 40	7	12:37 AM 7.4 226 07:40 AM -0.7 -21 Tu 01:27 PM 6.6 201 07:40 PM 0.6 18	22	01:26 AM 6.5 198 08:04 AM 0.3 9 W 01:55 PM 7.0 213 08:27 PM 0.3 9
8	07:01 AM -0.6 -18 11:39 AM 5.1 155 Th 06:05 PM 2.9 88 11:48 PM 7.0 213	23	07:16 AM -1.5 -46 01:08 PM 5.9 180 F 06:33 PM 2.3 70	8	12:10 AM 7.3 223 07:48 AM -0.9 -27 Su 01:41 PM 5.7 174 07:19 PM 1.9 58	23	12:52 AM 7.3 223 08:13 AM -1.0 -30 M 02:02 PM 6.6 201 08:04 PM 1.0 30	8	01:20 AM 7.3 223 08:09 AM -0.5 -15 W 01:57 PM 6.9 210 08:23 PM 0.2 6	23	02:07 AM 6.1 186 08:26 AM 0.8 24 Th 02:21 PM 7.0 213 09:03 PM 0.2 6
9	07:41 AM -0.8 -24 01:43 PM 5.2 158 F 06:55 PM 2.7 82	24	12:12 AM 7.9 241 08:02 AM -1.6 -49 Sa 01:53 PM 6.2 189 07:30 PM 1.9 58	9	12:51 AM 7.4 226 08:20 AM -1.0 -30 M 02:11 PM 5.9 180 08:01 PM 1.5 46	24	01:35 AM 7.0 213 08:44 AM -0.6 -18 Tu 02:38 PM 6.7 204 08:47 PM 0.8 24	9	02:06 AM 7.0 213 08:37 AM -0.1 -3 Th 02:29 PM 7.3 223 09:07 PM 0.2 0	24	02:50 AM 5.7 174 08:46 AM 1.3 40 F 02:44 PM 6.9 210 09:38 PM 0.3 9
10	12:25 AM 7.2 219 08:17 AM -0.9 -27 Sa 02:18 PM 5.4 165 07:41 PM 2.5 76	25	01:01 AM 7.8 238 08:42 AM -1.6 -49 Su 02:36 PM 6.3 192 08:21 PM 1.6 49	10	01:32 AM 7.4 226 08:49 AM -1.0 -30 Tu 02:41 PM 6.1 186 08:42 PM 1.2 37	25	02:18 AM 6.5 198 09:10 AM -0.2 -6 W 03:11 PM 6.6 201 09:28 PM 0.7 21	10	02:55 AM 6.5 198 09:07 AM 0.5 15 F 03:04 PM 7.5 229 09:55 PM -0.2 -6	25	03:35 AM 5.3 162 09:09 AM 1.8 55 Sa 03:08 PM 6.8 207 10:16 PM 0.4 12
11	01:04 AM 7.3 223 08:50 AM -1.0 -30 Su 02:51 PM 5.5 168 08:22 PM 2.3 70	26	01:48 AM 7.5 229 09:18 AM -1.3 -40 M 03:18 PM 6.4 195 09:09 PM 1.4 43	11	02:15 AM 7.2 219 09:16 AM -0.7 -21 W 03:13 PM 6.4 195 09:24 PM 0.9 27	26	03:02 AM 6.0 183 09:32 AM 0.4 12 Th 03:42 PM 6.5 198 10:09 PM 0.7 21	11	03:51 AM 5.9 180 09:40 AM 1.1 34 Sa 03:43 PM 7.6 232 10:51 PM -0.1 -3	26	04:29 AM 4.8 146 09:39 AM 2.4 73 Su 03:35 PM 6.6 201 11:01 PM 0.7 21
12	10:44 AM 7.3 223 09:21 AM -1.0 -30 M 03:24 PM 5.6 171 09:03 PM 2.0 61	27	02:34 AM 7.0 213 09:51 AM -0.9 -27 Tu 03:59 PM 6.4 195 09:55 PM 1.3 40	12	03:01 AM 6.7 204 09:43 AM -0.3 -9 Th 03:47 PM 6.7 204 10:11 PM 0.7 21	27	03:49 AM 5.3 162 09:55 AM 1.0 30 F 04:11 PM 6.4 195 10:55 PM 0.8 24	12	04:59 AM 5.2 158 10:21 AM 1.8 55 Su 04:29 PM 7.5 229	27	05:41 AM 4.5 137 10:19 AM 2.8 85 M 04:11 PM 6.4 195
13	02:26 AM 7.2 219 09:51 AM -0.9 -27 Tu 03:58 PM 5.7 174 09:44 PM 1.8 55	28	03:20 AM 6.3 192 10:21 AM -0.4 -12 W 04:40 PM 6.4 195 10:43 PM 1.2 37	13	03:53 AM 6.1 186 10:13 AM 0.2 6 F 04:24 PM 6.9 210 11:06 PM 0.6 18	28	04:47 AM 4.7 143 10:22 AM 1.6 49 Sa 04:41 PM 6.3 192 11:50 PM 0.9 27	13	12:03 AM 0.1 3 06:23 AM 4.8 146 M 11:15 AM 2.4 73 05:24 PM 7.2 219	28	12:03 AM 1.0 30 07:07 AM 4.3 131 Tu 11:15 AM 3.2 98 04:59 PM 6.1 186
14	03:11 AM 6.8 207 10:20 AM -0.7 -21 W 04:34 PM 5.9 180 10:31 PM 1.6 49	29	04:10 AM 5.6 171 10:49 AM 0.2 6 Th 05:21 PM 6.3 192 11:37 PM 1.2 37	14	04:56 AM 5.3 162 10:48 AM 0.9 27 Sa 05:08 PM 7.0 213	29	06:05 AM 4.2 128 10:59 AM 2.3 70 Su 05:17 PM 6.1 186	14	01:29 AM 0.2 6 07:50 AM 4.8 146 Tu 12:30 PM 2.8 85 06:32 PM 6.8 207	29	01:24 AM 1.1 34 08:26 AM 4.4 134 W 12:33 PM 3.4 104 06:06 PM 5.9 180
15	04:01 AM 6.3 192 10:51 AM -0.3 -9 Th 05:13 PM 6.2 189 11:26 PM 1.3 40	30	05:10 AM 4.8 146 11:18 AM 0.9 27 F 06:01 PM 6.2 189	15	12:15 AM 0.5 15 06:17 AM 4.7 143 Su 11:33 AM 1.6 49 05:58 PM 7.1 216	30	12:59 AM 1.0 30 07:38 AM 4.0 122 M 11:51 AM 2.8 85 06:04 PM 6.0 183	15	02:53 AM 0.0 0 09:06 AM 5.1 155 W 02:03 PM 2.9 88 07:53 PM 6.6 201	30	02:44 AM 1.0 30 09:27 AM 4.7 143 Th 02:00 PM 3.3 101 07:33 PM 5.8 177
31	12:38 AM 1.2 37 06:28 AM 4.2 128 Sa 11:53 AM 1.6 49 06:43 PM 6.1 186			31	02:18 AM 1.0 30 09:01 AM 4.2 128 Tu 01:03 PM 3.1 94 07:08 PM 5.9 180						

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.



Cascade Head, Salmon River, OR, 2021

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 03:46 AM 10:12 AM F 03:16 PM 08:57 PM	0.7 21 5.1 155 2.9 88 6.0 183	16 04:32 AM 10:30 AM Sa 04:33 PM 10:14 PM	0.1 3 6.5 198 1.7 52 6.2 189	1 04:26 AM 10:35 AM M 04:52 PM 10:39 PM	0.8 24 6.4 195 1.3 40 6.2 189	16 04:24 AM 10:18 AM Tu 05:08 PM 10:55 PM	1.4 43 7.5 229 0.3 9 6.0 183	1 03:25 AM 09:27 AM W 04:37 PM 10:31 PM	2.0 61 7.6 232 0.1 3 6.3 192	16 04:35 AM 10:23 AM Th 05:37 PM 11:37 PM	2.7 82 7.8 238 -0.3 -9 6.3 192
2 04:35 AM 11:47 AM Sa 04:15 PM 10:01 PM	0.4 12 5.5 168 2.3 70 6.3 192	17 05:18 AM 11:11 AM Su 05:27 PM 11:08 PM	0.1 3 6.9 210 1.1 34 6.3 192	2 05:06 AM 11:38 AM Tu 05:42 PM 11:32 PM	0.8 24 7.1 216 0.5 15 6.6 201	17 04:59 AM 10:50 AM W 05:48 PM 11:39 PM	1.7 52 7.7 235 -0.2 -6 6.1 186	2 04:10 AM 10:06 AM Th 05:25 PM 11:21 PM	2.1 64 8.4 256 -0.8 -24 6.7 204	17 05:10 AM 10:52 AM F 06:11 PM	2.8 85 8.1 247 -0.6 -18
3 05:15 AM 11:18 AM Su 05:06 PM 10:53 PM	0.1 3 5.9 180 1.6 49 6.7 204	18 05:57 AM 11:47 AM M 06:14 PM 11:55 PM	0.3 9 7.2 219 0.6 18 6.3 192	3 05:42 AM 11:38 AM W 06:30 PM	0.9 27 7.8 238 -0.3 -9	18 05:30 AM 11:17 AM Th 06:24 PM	2.1 64 7.9 241 -0.4 -12	3 04:54 AM 10:45 AM F 06:10 PM	2.2 67 9.1 277 -1.4 -43	18 12:12 AM 05:41 AM Sa 11:19 AM 06:42 PM	6.6 201 2.9 88 8.3 253 -0.7 -21
4 05:51 AM 11:47 AM M 05:53 PM 11:40 PM	0.0 0 6.4 195 1.0 30 7.0 213	19 06:31 AM 12:20 PM Tu 06:57 PM	0.6 18 7.4 226 0.2 6	4 12:22 AM 06:19 AM Th 12:11 PM ● 07:16 PM	6.8 207 1.2 37 8.4 256 -1.0 -30	19 12:19 AM 05:58 AM F 11:42 AM ○ 06:57 PM	6.2 189 2.4 73 8.0 244 -0.5 -15	4 12:08 AM 05:37 AM Sa 11:25 AM ● 06:54 PM	7.1 216 2.2 67 9.6 293 -1.7 -52	19 12:45 AM 06:10 AM Su 11:44 AM ○ 07:11 PM	6.7 204 2.8 85 8.4 256 -0.6 -18
5 06:24 AM 12:16 PM Tu 06:39 PM	0.0 0 6.9 210 0.3 9	20 12:39 AM 07:00 AM W 12:49 PM ○ 07:35 PM	6.3 192 1.0 30 7.5 229 -0.1 -29	5 01:11 AM 06:56 AM F 12:46 PM ○ 08:01 PM	6.9 210 1.5 46 8.9 271 -1.4 -43	20 12:57 AM 06:25 AM Sa 12:05 PM ○ 07:27 PM	6.3 192 2.6 79 8.0 244 -0.5 -15	5 12:53 AM 06:21 AM Su 12:06 PM ○ 07:36 PM	7.2 219 2.2 67 9.7 296 -1.7 -52	20 01:15 AM 06:37 AM M 12:11 PM ○ 07:37 PM	6.6 201 2.7 82 8.5 259 -0.5 -15
6 12:26 AM 06:57 AM W 12:46 PM ● 07:24 PM	7.1 216 0.1 3 7.5 229 -0.3 -9	21 01:21 AM 07:26 AM Th 01:15 PM ○ 08:11 PM	6.2 189 1.4 43 7.5 229 -0.2 -6	6 02:00 AM 07:35 AM Sa 01:24 PM ○ 08:46 PM	6.9 210 1.7 52 9.2 280 -1.5 -46	21 01:33 AM 06:51 AM Su 12:29 PM ○ 07:55 PM	6.2 189 2.7 82 8.1 247 -0.3 -9	6 01:39 AM 07:04 AM M 12:48 PM ○ 08:17 PM	7.2 219 2.2 67 9.6 293 -1.4 -43	21 01:43 AM 07:04 AM Tu 12:40 PM ○ 08:00 PM	6.5 198 2.7 82 8.5 259 -0.3 -9
7 01:13 AM 07:28 AM Th 01:18 PM 08:09 PM	7.0 213 0.4 12 7.9 241 -0.7 -21	22 02:02 AM 07:48 AM F 01:37 PM ○ 08:43 PM	6.0 183 1.8 55 7.5 229 -0.2 -6	7 01:50 AM 07:17 AM Su 01:05 PM ○ 08:31 PM	6.7 204 2.0 61 9.1 277 -1.3 -40	22 02:08 AM 07:19 AM M 12:57 PM ○ 08:21 PM	6.0 183 2.8 85 8.0 244 -0.1 -3	7 02:25 AM 07:49 AM Tu 01:31 PM ○ 08:59 PM	7.0 213 2.3 70 9.1 277 -0.8 -24	22 02:11 AM 07:32 AM W 01:12 PM ○ 08:23 PM	6.3 192 2.6 79 8.4 256 0.0 0
8 02:02 AM 08:01 AM F 01:52 PM 08:55 PM	6.8 207 0.9 27 8.3 253 -0.9 -27	23 02:43 AM 08:11 AM Sa 01:59 PM ○ 09:13 PM	5.8 177 2.2 67 7.5 229 -0.1 -29	8 02:43 AM 08:01 AM M 01:48 PM ○ 09:22 PM	6.4 195 2.3 70 8.7 265 -0.8 -24	23 02:43 AM 07:50 AM Tu 01:29 PM ○ 08:49 PM	5.7 174 2.9 88 7.8 238 0.2 6	8 03:15 AM 08:36 AM W 02:17 PM ○ 09:44 PM	6.7 204 2.4 73 8.3 253 -1.1 -3	23 02:40 AM 08:02 AM Th 01:47 PM ○ 08:47 PM	6.1 186 2.7 82 8.0 244 0.3 9
9 02:54 AM 08:37 AM Sa 02:30 PM 09:42 PM	6.4 195 1.4 43 8.4 256 -0.9 -27	24 03:24 AM 08:38 AM Su 02:24 PM ○ 09:44 PM	5.5 168 2.5 76 7.4 226 0.1 3	9 03:43 AM 08:52 AM Tu 02:36 PM ○ 10:20 PM	6.1 186 2.6 79 8.1 247 -0.2 -6	24 03:21 AM 08:24 AM W 02:06 PM ○ 09:22 PM	5.5 168 3.1 94 7.5 229 0.6 18	9 04:12 AM 09:32 AM Th 03:07 PM ○ 10:37 PM	6.4 195 2.7 82 7.3 223 0.6 18	24 03:13 AM 08:37 AM F 02:26 PM ○ 09:17 PM	5.9 180 2.8 85 7.4 226 0.7 21
10 03:51 AM 09:16 AM Su 03:11 PM 10:38 PM	6.0 183 1.9 58 8.2 250 -0.6 -18	25 04:09 AM 09:10 AM M 02:54 PM ○ 10:19 PM	5.2 158 2.8 85 7.2 219 0.5 15	10 04:50 AM 09:55 AM W 03:32 PM ○ 11:31 PM	5.9 180 2.9 88 7.2 219 0.4 12	25 04:08 AM 09:06 AM Th 02:48 PM ○ 10:05 PM	5.2 158 3.2 98 7.0 213 0.9 27	10 05:16 AM 10:46 AM F 04:10 PM ○ 11:41 PM	6.3 192 2.9 88 6.1 186 1.3 40	25 03:54 AM 09:22 AM Sa 03:12 PM ○ 09:55 PM	5.8 177 3.0 91 6.6 201 1.2 37
11 04:58 AM 10:04 AM M 03:58 PM 11:46 PM	5.5 168 2.4 73 7.8 238 -0.2 -6	26 05:04 AM 09:49 AM Tu 03:31 PM ○ 11:06 PM	4.9 149 3.1 94 6.9 210 0.8 24	11 06:01 AM 11:17 AM Th 04:45 PM ○	5.8 177 3.1 94 6.3 192	26 05:07 AM 10:02 AM F 03:40 PM ○ 11:04 PM	5.1 155 3.4 104 6.4 195 1.3 40	11 06:23 AM 12:24 PM Sa 05:46 PM ○	6.3 192 2.9 88 5.2 158	26 04:46 AM 10:32 AM Su 04:16 PM ○ 10:48 PM	5.8 177 3.1 94 5.6 171 1.9 58
12 06:16 AM 11:07 AM Tu 04:56 PM	5.3 162 2.8 85 7.2 219	27 06:15 AM 10:40 AM W 04:18 PM	4.7 143 3.4 104 6.5 198	12 12:46 AM 07:09 AM F 12:52 PM ○ 06:20 PM	0.7 21 6.0 183 2.9 88 5.7 174	27 06:14 AM 11:27 AM Sa 04:51 PM ○	5.2 158 3.4 104 5.7 174	12 12:56 AM 07:27 AM Su 02:04 PM ○ 07:41 PM	1.8 55 6.5 198 2.4 73 4.8 146	27 05:49 AM 12:42 PM M 06:08 PM ○	6.0 183 2.9 88 4.8 146
13 01:08 AM 07:34 AM W 12:33 PM ● 06:11 PM	0.2 6 5.3 162 3.1 94 6.6 201	28 12:13 AM 07:29 AM Th 11:51 AM ○ 05:18 PM	1.1 34 4.7 143 3.5 107 6.0 183	13 01:56 AM 08:09 AM Sa 02:19 PM ○ 07:54 PM	0.9 27 6.4 195 2.3 70 5.5 168	28 12:19 AM 07:15 AM Su 01:16 PM ○ 06:35 PM	1.5 46 5.5 168 3.0 91 5.3 162	13 02:08 AM 08:24 AM M 03:21 PM ○ 09:09 PM	2.2 67 6.8 207 1.6 49 5.1 155	28 12:04 AM 06:57 AM Tu 02:35 PM ○ 08:21 PM	2.5 76 6.4 195 2.0 61 4.9 149
14 02:28 AM 08:43 AM Th 02:06 PM 07:41 PM	0.3 9 5.6 171 2.9 88 6.2 189	29 01:35 AM 08:33 AM F 01:22 PM ○ 06:40 PM	1.2 37 4.9 149 3.4 104 5.7 174	14 02:55 AM 09:00 AM Su 03:28 PM ○ 09:09 PM	1.0 30 6.8 207 1.6 49 5.6 171	29 01:32 AM 08:05 AM M 02:43 PM ○ 08:21 PM	1.7 52 6.1 186 2.2 67 5.3 162	14 03:07 AM 09:11 AM Tu 04:16 PM ○ 10:10 PM	2.4 73 7.2 219 0.8 24 5.5 168	29 01:40 AM 08:00 AM W 03:42 PM ○ 09:39 PM	2.9 88 7.1 216 0.9 27 5.6 171
15 03:37 AM 09:42 AM F 03:27 PM 09:06 PM	0.2 6 6.0 183 2.4 73 6.1 186	30 02:46 AM 09:23 AM Sa 02:48 PM ○ 08:16 PM	1.1 34 5.3 162 2.9 88 5.6 171	15 03:43 AM 09:42 AM M 04:22 PM ○ 10:07 PM	1.2 37 7.2 219 0.9 27 5.8 177	30 02:34 AM 08:48 AM Tu 03:46 PM ○ 09:34 PM	1.8 55 6.8 207 1.1 34 5.8 177	15 03:55 AM 09:50 AM W 04:59 PM ○ 10:57 PM	2.6 79 7.6 232 0.1 3 6.0 183	30 02:57 AM 08:54 AM Th 04:34 PM ○ 10:32 PM	3.0 91 7.9 241 -0.2 -6 6.3 192
		31 03:42 AM 10:02 AM Su 03:57 PM 09:37 PM	1.0 30 5.8 177 2.2 67 5.9 180					31 03:54 AM 09:42 AM F 05:22 PM 11:21 PM	2.9 88 8.7 265 -1.0 -30 6.8 207		

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