Oregon State Parks

Information:
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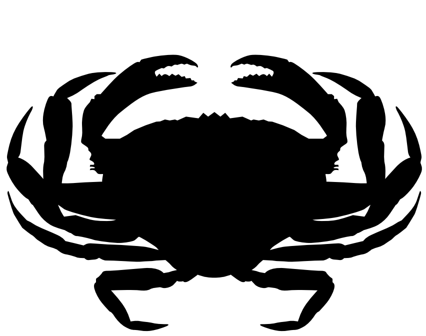
TIDE TABLES

& Beach Safety Tips

2020



OREGON
NORTH COAST

January

Day	Time (h m)	Height (ft)	Height (cm)
1 W	05:01 AM	7.1	216
	10:30 AM	3.8	116
	04:06 PM	6.4	195
	10:38 PM	1.5	46
2 Th	05:45 AM	7.1	216
	11:35 AM	3.5	107
	05:16 PM	5.9	180
	11:23 PM	2.1	64
3 F ◐	06:29 AM	7.2	219
	12:42 PM	3.1	94
	06:38 PM	5.6	171
4 Sa	12:11 AM	2.6	79
	07:13 AM	7.4	226
	01:46 PM	2.5	76
	07:57 PM	5.6	171
5 Su	01:04 AM	3.1	94
	07:55 AM	7.7	235
	02:41 PM	1.8	55
	09:06 PM	5.8	177
6 M	02:00 AM	3.5	107
	08:36 AM	8.1	247
	03:29 PM	1.0	30
	10:04 PM	6.2	189
7 Tu	02:54 AM	3.7	113
	09:16 AM	8.4	256
	04:14 PM	0.3	9
	10:54 PM	6.6	201
8 W	03:45 AM	3.8	116
	09:57 AM	8.8	268
	04:56 PM	-0.4	-12
	11:40 PM	7.0	213
9 Th	04:33 AM	3.8	116
	10:38 AM	9.2	280
	05:37 PM	-0.9	-27
10 F ○	12:24 AM	7.4	226
	05:19 AM	3.7	113
	11:20 AM	9.5	290
	06:19 PM	-1.3	-40
11 Sa	01:07 AM	7.6	232
	06:05 AM	3.6	110
	12:03 PM	9.6	293
	07:01 PM	-1.5	-46
12 Su	01:49 AM	7.8	238
	06:53 AM	3.4	104
	12:49 PM	9.4	287
	07:43 PM	-1.5	-46
13 M	02:32 AM	7.9	241
	07:43 AM	3.2	98
	01:37 PM	9.1	277
	08:27 PM	-1.2	-37
14 Tu	03:15 AM	8.0	244
	08:37 AM	2.9	88
	02:30 PM	8.5	259
	09:11 PM	-0.6	-18
15 W	04:00 AM	8.0	244
	09:37 AM	2.7	82
	03:30 PM	7.7	235
	09:57 PM	0.2	6
16 Th	04:47 AM	8.1	247
	10:44 AM	2.4	73
	04:40 PM	6.9	210
	10:47 PM	1.1	34
17 F ◑	05:37 AM	8.3	253
	11:56 AM	1.9	58
	06:02 PM	6.3	192
	11:40 PM	2.0	61
18 Sa	06:29 AM	8.4	256
	01:11 PM	1.4	43
	07:28 PM	6.0	183
19 Su	12:40 AM	2.8	85
	07:24 AM	8.6	262
	02:21 PM	0.8	24
	08:48 PM	6.1	186
20 M	01:45 AM	3.4	104
	08:19 AM	8.8	268
	03:23 PM	0.2	6
	09:56 PM	6.4	195
21 Tu	02:50 AM	3.7	113
	09:13 AM	9.0	274
	04:17 PM	-0.3	-9
	10:53 PM	6.8	207
22 W	03:50 AM	3.8	116
	10:03 AM	9.2	280
	05:05 PM	-0.6	-18
	11:42 PM	7.1	216
23 Th	04:43 AM	3.8	116
	10:50 AM	9.2	280
	05:47 PM	-0.8	-24
24 F ●	12:25 AM	7.3	223
	05:30 AM	3.6	110
	11:34 AM	9.1	277
	06:26 PM	-0.8	-24
25 Sa	01:05 AM	7.4	226
	06:14 AM	3.5	107
	12:15 PM	9.0	274
	07:02 PM	-0.7	-21
26 Su	01:42 AM	7.5	229
	06:55 AM	3.3	101
	12:54 PM	8.7	265
	07:37 PM	-0.4	-12
27 M	02:18 AM	7.5	229
	07:35 AM	3.2	98
	01:33 PM	8.2	250
	08:10 PM	-0.1	-3
28 Tu	02:53 AM	7.4	226
	08:16 AM	3.1	94
	02:11 PM	7.7	235
	08:42 PM	0.4	12
29 W	03:27 AM	7.3	223
	08:59 AM	3.0	91
	02:51 PM	7.1	216
	09:15 PM	1.0	30
30 Th	04:01 AM	7.2	219
	09:46 AM	2.9	88
	03:37 PM	6.5	198
	09:49 PM	1.6	49
31 F	04:35 AM	7.2	219
	10:38 AM	2.8	85
	04:33 PM	6.0	183
	10:25 PM	2.3	70

February

Day	Time (h m)	Height (ft)	Height (cm)
1 Sa	05:12 AM	7.2	219
	11:38 AM	2.6	79
	05:47 PM	5.5	168
	11:07 PM	3.0	91
2 Su ◐	05:55 AM	7.3	223
	12:43 PM	2.2	67
	07:15 PM	5.4	165
3 M	12:00 AM	3.5	107
	06:45 AM	7.5	229
	01:49 PM	1.7	52
	08:34 PM	5.6	171
4 Tu	01:05 AM	4.0	122
	07:40 AM	7.7	235
	02:50 PM	1.1	34
	09:39 PM	6.0	183
5 W	02:14 AM	4.1	125
	08:36 AM	8.1	247
	03:43 PM	0.4	12
	10:32 PM	6.5	198
6 Th	03:17 AM	4.0	122
	09:28 AM	8.6	262
	04:31 PM	-0.4	-12
	11:18 PM	7.0	213
7 F	04:13 AM	3.7	113
	10:19 AM	9.0	274
	05:16 PM	-1.0	-30
8 Sa	12:00 AM	7.4	226
	05:05 AM	3.3	101
	11:08 AM	9.4	287
	05:59 PM	-1.4	-43
9 Su ○	12:40 AM	7.8	238
	05:54 AM	2.8	85
	11:57 AM	9.5	290
	06:41 PM	-1.6	-49
10 M	01:19 AM	8.1	247
	06:43 AM	2.2	67
	12:46 PM	9.4	287
	07:23 PM	-1.4	-43
11 Tu	01:59 AM	8.3	253
	07:33 AM	1.8	55
	01:37 PM	9.1	277
	08:04 PM	-0.9	-27
12 W	02:38 AM	8.5	259
	08:25 AM	1.4	43
	02:30 PM	8.4	256
	08:46 PM	-0.2	-6
13 Th	03:19 AM	8.5	259
	09:21 AM	1.2	37
	03:29 PM	7.7	235
	09:30 PM	0.8	24
14 F	04:03 AM	8.5	259
	10:21 AM	1.1	34
	04:35 PM	6.8	207
	10:16 PM	1.8	55
15 Sa ◑	04:51 AM	8.4	256
	11:28 AM	1.0	30
	05:52 PM	6.2	189
	11:08 PM	2.7	82
16 Su	05:47 AM	8.3	253
	12:42 PM	0.9	27
	07:17 PM	5.9	180
17 M	12:11 AM	3.5	107
	06:49 AM	8.2	250
	01:57 PM	0.7	21
	08:39 PM	6.0	183
18 Tu	01:26 AM	3.9	119
	07:55 AM	8.2	250
	03:06 PM	0.4	12
	09:47 PM	6.3	192
19 W	02:42 AM	4.0	122
	08:57 AM	8.3	253
	04:03 PM	0.1	3
	10:41 PM	6.6	201
20 Th	03:47 AM	3.8	116
	09:52 AM	8.4	256
	04:50 PM	-0.1	-3
	11:24 PM	7.0	213
21 F	04:40 AM	3.5	107
	10:41 AM	8.5	259
	05:30 PM	-0.3	-9
22 Sa	12:02 AM	7.2	219
	05:23 AM	3.1	94
	11:25 AM	8.5	259
	06:06 PM	-0.3	-9
23 Su ●	12:36 AM	7.4	226
	06:02 AM	2.7	82
	12:05 PM	8.4	256
	06:38 PM	-0.2	-6
24 M	01:08 AM	7.5	229
	06:39 AM	2.4	73
	12:44 PM	8.2	250
	07:08 PM	0.0	0
25 Tu	01:39 AM	7.5	229
	07:15 AM	2.1	64
	01:21 PM	7.9	241
	07:38 PM	0.3	9
26 W	02:08 AM	7.5	229
	07:51 AM	1.9	58
	01:58 PM	7.5	229
	08:07 PM	0.8	24
27 Th	02:36 AM	7.5	229
	08:28 AM	1.8	55
	02:36 PM	7.1	216
	08:36 PM	1.4	43
28 F	03:02 AM	7.4	226
	09:08 AM	1.7	52
	03:17 PM	6.6	201
	09:06 PM	2.0	61
29 Sa	03:29 AM	7.3	223
	09:52 AM	1.7	52
	04:07 PM	6.1	186
	09:39 PM	2.7	82

March

Day	Time (h m)	Height (ft)	Height (cm)
1 Su	03:59 AM	7.2	219
	10:44 AM	1.7	52
	05:12 PM	5.6	171
	10:18 PM	3.3	101
2 M ◐	04:39 AM	7.2	219
	11:46 AM	1.7	52
	06:39 PM	5.4	165
	11:10 PM	3.8	116
3 Tu	05:33 AM	7.2	219
	12:57 PM	1.4	43
	08:04 PM	5.6	171
4 W	12:24 AM	4.2	128
	06:45 AM	7.3	223
	02:07 PM	0.9	27
	09:11 PM	5.9	180
5 Th	01:47 AM	4.2	128
	08:00 AM	7.6	232
	03:09 PM	0.3	9
	10:03 PM	6.5	198
6 F	02:59 AM	3.8	116
	09:06 AM	8.1	247
	04:02 PM	-0.3	-9
	10:47 PM	7.0	213
7 Sa	03:59 AM	3.1	94
	10:05 AM	8.6	262
	04:50 PM	-0.9	-27
	11:27 PM	7.5	229
8 Su	05:52 AM	2.3	70
	11:59 AM	9.0	274
	06:34 PM	-1.2	-37
9 M ○	01:06 AM	8.0	244
	06:42 AM	1.5	46
	12:50 PM	9.1	277
	07:16 PM	-1.1	-34
10 Tu	01:43 AM	8.4	256
	07:30 AM	0.7	21
	01:42 PM	9.1	277
	07:57 PM	-0.8	-24
11 W	02:21 AM	8.7	265
	08:19 AM	0.1	3
	02:34 PM	8.7	265
	08:38 PM	-0.2	-6
12 Th	02:59 AM	8.9	271
	09:08 AM	-0.2	-6
	03:27 PM	8.2	250
	09:19 PM	0.6	18
13 F	03:39 AM	8.8	268
	10:01 AM	-0.3	-9
	04:25 PM	7.5	229
	10:02 PM	1.6	49
14 Sa	04:22 AM	8.6	262
	10:57 AM	-0.1	-3
	05:29 PM	6.8	207
	10:49 PM	2.5	76
15 Su	05:10 AM	8.3	253
	12:00 PM	0.2	6
	06:42 PM	6.2	189
	11:44 PM	3.3	101
16 M ◑	06:07 AM	7.9	241
	01:11 PM	0.6	18
	08:04 PM	5.9	180
17 Tu	12:53 AM	3.9	119
	07:17 AM	7.5	229
	02:28 PM	0.7	21
	09:22 PM	6.0	183
18 W	02:19 AM	4.1	125
	08:33 AM	7.3	223
	03:39 PM	0.7	21
	10:26 PM	6.3	192
19 Th	03:41 AM	3.9	119
	09:41 AM	7.3	223
	04:38 PM	0.5	15
	11:15 PM	6.6	201
20 F	04:44 AM	3.4	104
	10:39 AM	7.5	229
	05:24 PM	0.4	12
	11:53 PM	6.9	210
21 Sa	05:32 AM	2.8	85
	11:29 AM	7.6	232
	06:02 PM	0.3	9
22 Su	12:27 AM	7.2	219
	06:11 AM	2.2	67
	12:13 PM	7.7	235
	06:35 PM	0.3	9
23 M	12:58 AM	7.4	226
	06:46 AM	1.7	52
	12:53 PM	7.7	235
	07:06 PM	0.4	12
24 Tu ●	01:28 AM	7.5	229
	07:20 AM	1.3	40
	01:31 PM	7.7	235
	07:35 PM	0.6	18
25 W	01:55 AM	7.6	232
	07:53 AM	0.9	27
	02:09 PM	7.5	229
	08:04 PM	1.0	30
26 Th	02:21 AM	7.6	232
	08:26 AM	0.7	21
	02:46 PM	7.2	219
	08:32 PM	1.5	46
27 F	02:45 AM	7.6	232
	09:00 AM	0.6	18
	03:25 PM	6.9	210
	09:01 PM	2.0	61
28 Sa	03:09 AM	7.5	229
	09:37 AM	0.6	18
	04:07 PM	6.5	198
	09:31 PM	2.6	79
29 Su	03:34 AM	7.4	226
	10:18 AM	0.7	21
	04:55 PM	6.1	186
	10:04 PM	3.2	98
30 M	04:04 AM	7.3	223
	11:06 AM	0.8	24
	05:57 PM	5.8	177
	10:45 PM	3.7	113
31 Tu	04:45 AM	7.2	219
	12:05 PM	0.9	27
	07:16 PM	5.6	171
	11:44 PM	4.0	122

May

Day	Time (h m)	Height (ft)	Height (cm)
1 F	01:01 AM	3.9	119
	06:40 AM	6.5	198
	01:47 PM	0.2	6
	08:59 PM	6.5	198
2 Sa	02:24 AM	3.2	98
	08:15 AM	6.4	195
	02:51 PM	0.2	6
	09:46 PM	7.0	213
3 Su	03:34 AM	2.2	67
	09:34 AM	6.7	204
	03:48 PM	0.2	6
	10:29 PM	7.6	232
4 M	04:32 AM	1.1	34
	10:41 AM	7.1	216
	04:40 PM	0.3	9
	11:09 PM	8.2	250
5 Tu	05:24 AM	-0.1	-3
	11:41 AM	7.4	226
	05:29 PM	0.6	18
	11:48 PM	8.8	268
6 W	06:13 AM	-1.1	-34
	12:37 PM	7.7	235
	06:14 PM	0.9	27
7 Th ○	12:28 AM	9.2	280
	07:00 AM	-1.8	-55
	01:31 PM	7.7	235
	06:59 PM	1.4	43
8 F	01:08 AM	9.3	283
	07:47 AM	-2.2	-67
	02:23 PM	7.6	232
	07:43 PM	1.9	58
9 Sa	01:49 AM	9.2	280
	08:34 AM	-2.2	-67
	03:16 PM	7.4	226
	08:28 PM	2.5	76
10 Su	02:31 AM	8.9	271
	09:22 AM	-1.8	-55
	04:11 PM	7.0	213
	09:16 PM	3.0	91
11 M	03:15 AM	8.4	256
	10:13 AM	-1.3	-40
	05:08 PM	6.7	204
	10:09 PM	3.5	107
12 Tu	04:04 AM	7.7	235
	11:06 AM	-0.6	-18
	06:09 PM	6.4	195
	11:11 PM	3.8	116
13 W	05:01 AM	6.9	210
	12:03 PM	0.0	0
	07:12 PM	6.3	192
14 Th ◑	12:27 AM	3.8	116
	06:11 AM	6.3	192
	01:04 PM	0.5	15
	08:12 PM	6.4	195
15 F	01:50 AM	3.5	107
	07:31 AM	5.8	177
	02:04 PM	0.9	27
	09:03 PM	6.5	198
16 Sa	03:04 AM	3.0	91
	08:45 AM	5.7	174
	02:59 PM	1.2	37
	09:46 PM	6.8	207
17 Su	04:00 AM	2.2	67
	09:50 AM	5.7	174
	03:47 PM	1.4	43
	10:23 PM	7.1	216
18 M	04:45 AM	1.5	46
	10:45 AM	5.9	180
	04:29 PM	1.6	49
	10:57 PM	7.3	223
19 Tu	05:23 AM	0.8	24
	11:34 AM	6.1	186
	05:08 PM	1.8	55
	11:28 PM	7.6	232
20 W	05:58 AM	0.1	3
	12:20 PM	6.4	195
	05:44 PM	2.0	61
	11:58 PM	7.8	238
21 Th	06:32 AM	-0.4	-12
	01:02 PM	6.5	198
	06:19 PM	2.3	70
22 F ●	12:27 AM	8.0	244
	07:06 AM	-0.8	-24
	01:44 PM	6.6	201
	06:54 PM	2.6	79
23 Sa	12:55 AM	8.1	247
	07:42 AM	-1.0	-30
	02:26 PM	6.7	204
	07:29 PM	2.9	88
24 Su	01:24 AM	8.1	247
	08:18 AM	-1.1	-34
	03:09 PM	6.6	201
	08:05 PM	3.2	98
25 M	01:55 AM	8.0	244
	08:57 AM	-1.1	-34
	03:55 PM	6.5	198
	08:44 PM	3.5	107
26 Tu	02:30 AM	7.8	238
	09:39 AM	-1.0	-30
	04:44 PM	6.4	195
	09:30 PM	3.6	110
27 W	03:11 AM	7.5	229
	10:25 AM	-0.8	-24
	05:36 PM	6.3	192
	10:26 PM	3.7	113
28 Th	04:01 AM	7.1	216
	11:17 AM	-0.6	-18
	06:32 PM	6.4	195
	11:36 PM	3.6	110
29 F	05:06 AM	6.6	201
	12:13 PM	-0.2	-6
	07:26 PM	6.6	201
30 Sa ◐	12:54 AM	3.2	98
	06:30 AM	6.1	186
	01:12 PM	0.1	3
	08:17 PM	7.0	213
31 Su	02:10 AM	2.4	73
	08:02 AM	5.9	180
	02:11 PM	0.5	15
	09:04 PM	7.5	229

June

Day	Time (h m)	Height (ft)	Height (cm)
1 M	03:18 AM	1.3	40
	09:23 AM	6.0	183
	03:09 PM	0.9	27
	09:49 PM	8.0	244
2 Tu	04:17 AM	0.2	6
	10:33 AM	6.3	192
	04:04 PM	1.3	40
	10:32 PM	8.6	262
3 W	05:10 AM	-0.9	-27
	11:35 AM	6.7	204
	04:56 PM	1.7	52
	11:14 PM	9.0	274
4 Th	06:00 AM	-1.7	-52
	12:31 PM	6.9	210
	05:45 PM	2.0	61
	11:57 PM	9.3	283
5 F ○	06:47 AM	-2.2	-67
	01:25 PM	7.1	216
	06:34 PM	2.4	73
6 Sa	12:40 AM	9.3	283
	07:33 AM	-2.4	-73
	02:16 PM	7.1	216
	07:21 PM	2.7	82
7 Su	01:24 AM	9.1	277
	08:19 AM	-2.2	-67
	03:07 PM	7.1	216
	08:08 PM	3.0	91
8 M	02:08 AM	8.7	265
	09:05 AM	-1.9	-58
	03:57 PM	6.9	210
	08:58 PM	3.2	98
9 Tu	02:53 AM	8.1	247
	09:51 AM	-1.4	-43
	04:48 PM	6.7	204
	09:51 PM	3.4	104
10 W	03:41 AM	7.4	226
	10:37 AM	-0.8	-24
	05:39 PM	6.5	198
	10:50 PM	3.5	107
11 Th	04:33 AM	6.7	204
	11:25 AM	-0.1	-3
	06:31 PM	6.5	198
	11:57 PM	3.4	104
12 F	05:35 AM	6.0	183
	12:14 PM	0.4	12
	07:21 PM	6.5	198
13 Sa ◑	01:09 AM	3.1	94
	06:47 AM	5.4	165
	01:04 PM	1.0	30
	08:08 PM	6.6	201
14 Su	02:18 AM	2.6	79
	08:03 AM	5.1	155
	01:54 PM	1.5	46
	08:51 PM	6.8	207
15 M	03:17 AM	1.9	58
	09:14 AM	5.1	155
	02:44 PM	1.9	58
	09:30 PM	7.1	216
16 Tu	04:06 AM	1.2	37
	10:16 AM	5.3	162
	03:32 PM	2.3	70
	10:07 PM	7.3	223
17 W	04:49 AM	0.5	15
	11:11 AM	5.6	171
	04:18 PM	2.5	76
	10:42 PM	7.6	232
18 Th	05:29 AM	-0.1	-3
	12:00 PM	5.9	180
	05:01 PM	2.8	85
	11:16 PM	7.9	241
19 F	06:07 AM	-0.7	-21
	12:46 PM	6.2	189
	05:43 PM	2.9	88
	11:50 PM	8.1	247
20 Sa	06:44 AM	-1.1	-34
	01:29 PM	6.4	195
	06:24 PM	3.1	94
21 Su ●	12:25 AM	8.3	253
	07:22 AM	-1.4	-43
	02:12 PM	6.6	201
	07:05 PM	3.2	98
22 M	01:01 AM	8.3	253
	08:01 AM	-1.6	-49
	02:55 PM	6.6	201
	07:47 PM	3.2	98
23 Tu	01:39 AM	8.2	250
	08:42 AM	-1.7	-52
	03:39 PM	6.7	204
	08:33 PM	3.2	98
24 W	02:20 AM	8.0	244
	09:24 AM	-1.6	-49
	04:23 PM	6.7	204
	09:23 PM	3.2	98
25 Th	03:07 AM	7.6	232
	10:08 AM	-1.3	-40
	05:09 PM	6.8	207
	10:21 PM	3.0	91
26 F	04:01 AM	7.1	216
	10:55 AM	-0.9	-27
	05:56 PM	6.9	210
	11:27 PM	2.7	82
27 Sa	05:06 AM	6.5	198
	11:45 AM	-0.3	-9
	06:45 PM	7.1	216
28 Su ◐	12:39 AM	2.2	67
	06:26 AM	5.9	180
	12:38 PM	0.4	12
	07:34 PM	7.4	226
29 M	01:51 AM	1.4	43
	07:53 AM	5.6	171
	01:34 PM	1.1	34
	08:23 PM	7.8	238
30 Tu	03:00 AM	0.5	15
	09:15 AM	5.6	171
	02:33 PM	1.7	52
	09:12 PM	8.2	250

October

	Time	Height ft	Height cm
1 Th ○	12:37 AM	7.6	232
	06:45 AM	0.4	12
	01:05 PM	7.6	232
	07:04 PM	0.9	27
2 F	01:17 AM	7.5	229
	07:15 AM	0.7	21
	01:34 PM	7.7	235
	07:37 PM	0.6	18
3 Sa	01:55 AM	7.3	223
	07:44 AM	1.1	34
	02:00 PM	7.7	235
	08:10 PM	0.4	12
4 Su	02:34 AM	7.1	216
	08:13 AM	1.6	49
	02:25 PM	7.6	232
	08:44 PM	0.3	9
5 M	03:13 AM	6.8	207
	08:43 AM	2.2	67
	02:48 PM	7.5	229
	09:20 PM	0.4	12
6 Tu	03:56 AM	6.4	195
	09:13 AM	2.8	85
	03:13 PM	7.3	223
	10:00 PM	0.6	18
7 W	04:45 AM	6.1	186
	09:47 AM	3.3	101
	03:43 PM	7.2	219
	10:47 PM	0.8	24
8 Th	05:46 AM	5.8	177
	10:28 AM	3.8	116
	04:21 PM	6.9	210
	11:43 PM	1.0	30
9 F	07:01 AM	5.6	171
	11:26 AM	4.2	128
	05:15 PM	6.7	204
10 Sa ◑	12:50 AM	1.0	30
	08:16 AM	5.8	177
	12:49 PM	4.3	131
	06:36 PM	6.5	198
11 Su	02:00 AM	0.8	24
	09:17 AM	6.1	186
	02:17 PM	4.0	122
	08:10 PM	6.6	201
12 M	03:04 AM	0.5	15
	10:04 AM	6.6	201
	03:28 PM	3.2	98
	09:26 PM	7.0	213
13 Tu	04:00 AM	0.2	6
	10:45 AM	7.2	219
	04:25 PM	2.3	70
	10:29 PM	7.5	229
14 W	04:49 AM	0.0	0
	11:22 AM	7.8	238
	05:15 PM	1.2	37
	11:25 PM	8.0	244
15 Th	05:34 AM	-0.1	-3
	11:58 AM	8.4	256
	06:03 PM	0.1	3
16 F ●	12:19 AM	8.3	253
	06:17 AM	0.1	3
	12:35 PM	8.9	271
	06:49 PM	-0.8	-24
17 Sa	01:11 AM	8.4	256
	06:59 AM	0.5	15
	01:12 PM	9.3	283
	07:36 PM	-1.4	-43
18 Su	02:04 AM	8.3	253
	07:41 AM	1.1	34
	01:50 PM	9.4	287
	08:23 PM	-1.7	-52
19 M	02:57 AM	8.0	244
	08:24 AM	1.8	55
	02:31 PM	9.3	283
	09:13 PM	-1.6	-49
20 Tu	03:54 AM	7.5	229
	09:09 AM	2.6	79
	03:14 PM	9.0	274
	10:06 PM	-1.2	-37
21 W	04:56 AM	7.0	213
	10:00 AM	3.3	101
	04:03 PM	8.4	256
	11:05 PM	-0.6	-18
22 Th	06:04 AM	6.7	204
	11:00 AM	3.8	116
	05:02 PM	7.7	235
23 F ◐	12:10 AM	0.0	0
	07:17 AM	6.5	198
	12:18 PM	4.1	125
	06:16 PM	7.1	216
24 Sa	01:21 AM	0.5	15
	08:27 AM	6.6	201
	01:50 PM	4.0	122
	07:40 PM	6.7	204
25 Su	02:30 AM	0.8	24
	09:26 AM	6.8	207
	03:12 PM	3.5	107
	08:56 PM	6.6	201
26 M	03:30 AM	0.9	27
	10:12 AM	7.1	216
	04:13 PM	2.8	85
	10:00 PM	6.7	204
27 Tu	04:19 AM	1.0	30
	10:50 AM	7.4	226
	04:58 PM	2.1	64
	10:53 PM	6.9	210
28 W	05:00 AM	1.2	37
	11:24 AM	7.7	235
	05:36 PM	1.4	43
	11:40 PM	7.0	213
29 Th	05:35 AM	1.3	40
	11:54 AM	7.9	241
	06:10 PM	0.8	24
30 F	12:23 AM	7.1	216
	06:07 AM	1.6	49
	12:23 PM	8.1	247
	06:43 PM	0.3	9
31 Sa ○	01:03 AM	7.2	219
	06:38 AM	1.9	58
	12:50 PM	8.2	250
	07:15 PM	0.0	0

November

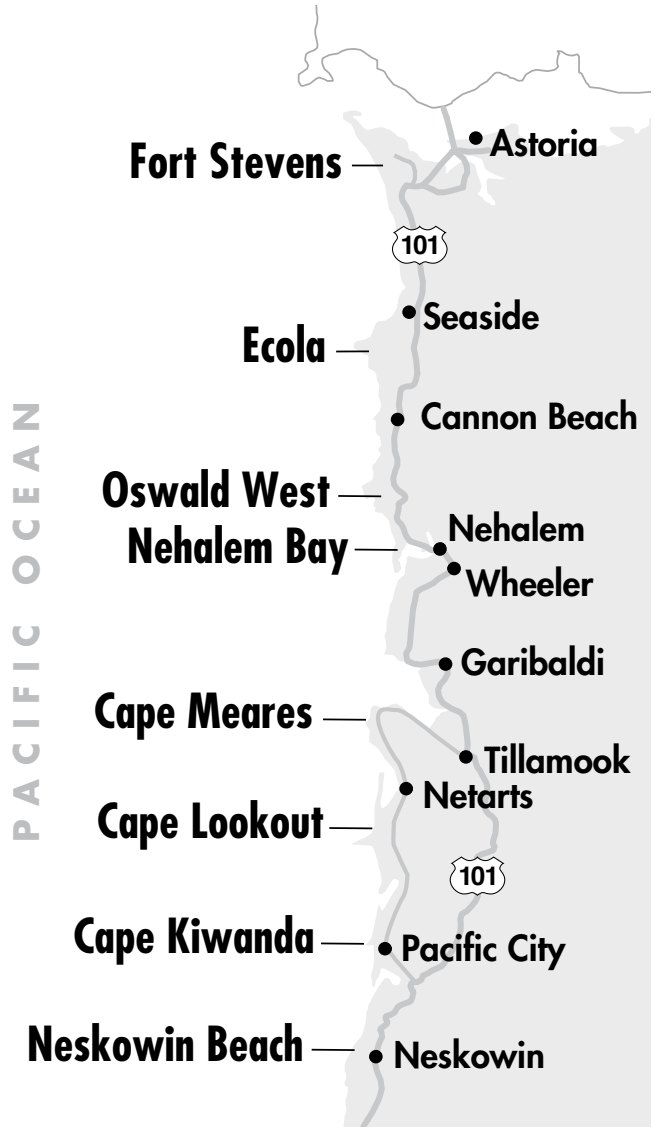
	Time	Height ft	Height cm
1 Su	01:43 AM	7.2	219
	06:09 AM	2.3	70
	12:16 PM	8.2	250
	06:47 PM	-0.2	-6
2 M	01:23 AM	7.1	216
	06:40 AM	2.7	82
	12:41 PM	8.2	250
	07:21 PM	-0.2	-6
3 Tu	02:03 AM	7.0	213
	07:11 AM	3.2	98
	01:06 PM	8.1	247
	07:57 PM	-0.1	-3
4 W	02:47 AM	6.7	204
	07:44 AM	3.6	110
	01:33 PM	7.9	241
	08:36 PM	0.1	3
5 Th	03:35 AM	6.5	198
	08:21 AM	4.0	122
	02:06 PM	7.6	232
	09:20 PM	0.3	9
6 F	04:32 AM	6.3	192
	09:07 AM	4.3	131
	02:47 PM	7.3	223
	10:12 PM	0.5	15
7 Sa	05:36 AM	6.2	189
	10:12 AM	4.5	137
	03:42 PM	6.9	210
	11:12 PM	0.7	21
8 Su ◑	06:40 AM	6.4	195
	11:36 AM	4.4	134
	05:03 PM	6.6	201
9 M	12:16 AM	0.8	24
	07:35 AM	6.8	207
	01:00 PM	3.8	116
	06:42 PM	6.5	198
10 Tu	01:19 AM	0.8	24
	08:21 AM	7.3	223
	02:10 PM	2.8	85
	08:06 PM	6.7	204
11 W	02:17 AM	0.9	27
	09:02 AM	7.9	241
	03:08 PM	1.6	49
	09:15 PM	7.1	216
12 Th	03:10 AM	1.0	30
	09:41 AM	8.6	262
	03:59 PM	0.4	12
	10:15 PM	7.5	229
13 F	03:58 AM	1.2	37
	10:20 AM	9.2	280
	04:47 PM	-0.7	-21
	11:12 PM	7.9	241
14 Sa	04:45 AM	1.5	46
	10:59 AM	9.7	296
	05:35 PM	-1.5	-46
15 Su ●	12:05 AM	8.1	247
	05:30 AM	1.9	58
	11:39 AM	9.9	302
	06:21 PM	-2.0	-61
16 M	12:58 AM	8.1	247
	06:15 AM	2.4	73
	12:20 PM	10.0	305
	07:09 PM	-2.1	-64
17 Tu	01:51 AM	7.9	241
	07:01 AM	2.9	88
	01:03 PM	9.7	296
	07:57 PM	-1.8	-55
18 W	02:46 AM	7.7	235
	07:49 AM	3.4	104
	01:49 PM	9.2	280
	08:48 PM	-1.3	-40
19 Th	03:43 AM	7.4	226
	08:43 AM	3.8	116
	02:39 PM	8.5	259
	09:41 PM	-0.6	-18
20 F	04:44 AM	7.1	216
	09:46 AM	4.1	125
	03:36 PM	7.7	235
	10:38 PM	0.1	3
21 Sa	05:47 AM	7.0	213
	11:02 AM	4.2	128
	04:46 PM	7.0	213
	11:39 PM	0.7	21
22 Su ◐	06:47 AM	7.0	213
	12:28 PM	4.0	122
	06:06 PM	6.4	195
23 M	12:40 AM	1.2	37
	07:41 AM	7.2	219
	01:46 PM	3.4	104
	07:25 PM	6.1	186
24 Tu	01:36 AM	1.6	49
	08:26 AM	7.5	229
	02:47 PM	2.7	82
	08:33 PM	6.1	186
25 W	02:27 AM	1.9	58
	09:05 AM	7.7	235
	03:33 PM	1.9	58
	09:31 PM	6.3	192
26 Th	03:11 AM	2.2	67
	09:39 AM	8.0	244
	04:12 PM	1.2	37
	10:22 PM	6.5	198
27 F	03:51 AM	2.5	76
	10:12 AM	8.3	253
	04:47 PM	0.6	18
	11:07 PM	6.8	207
28 Sa	04:28 AM	2.7	82
	10:42 AM	8.5	259
	05:20 PM	0.1	3
	11:50 PM	7.0	213
29 Su	05:03 AM	3.0	91
	11:12 AM	8.6	262
	05:54 PM	-0.2	-6
30 M ○	12:31 AM	7.1	216
	05:38 AM	3.3	101
	11:41 AM	8.7	265
	06:28 PM	-0.4	-12

December

	Time	Height ft	Height cm
1 Tu	01:12 AM	7.2	219
	06:12 AM	3.5	107
	12:10 PM	8.7	265
	07:03 PM	-0.5	-15
2 W	01:54 AM	7.1	216
	06:48 AM	3.8	116
	12:39 PM	8.6	262
	07:40 PM	-0.5	-15
3 Th	02:37 AM	7.0	213
	07:25 AM	4.0	122
	01:12 PM	8.4	256
	08:19 PM	-0.4	-12
4 F	03:22 AM	6.9	210
	08:08 AM	4.2	128
	01:49 PM	8.1	247
	09:02 PM	-0.2	-6
5 Sa	04:11 AM	6.9	210
	08:59 AM	4.3	131
	02:33 PM	7.7	235
	09:48 PM	0.1	3
6 Su	05:03 AM	6.9	210
	10:03 AM	4.3	131
	03:31 PM	7.1	216
	10:40 PM	0.5	15
7 M	05:55 AM	7.1	216
	11:19 AM	3.9	119
	04:47 PM	6.6	201
	11:36 PM	0.9	27
8 Tu ◑	06:46 AM	7.4	226
	12:37 PM	3.2	98
	06:21 PM	6.3	192
9 W	12:35 AM	1.3	40
	07:33 AM	7.9	241
	01:47 PM	2.2	67
	07:50 PM	6.4	195
10 Th	01:34 AM	1.7	52
	08:19 AM	8.5	259
	02:48 PM	1.1	34
	09:04 PM	6.7	204
11 F	02:31 AM	2.1	64
	09:03 AM	9.1	277
	03:43 PM	0.0	0
	10:08 PM	7.1	216
12 Sa	03:25 AM	2.4	73
	09:46 AM	9.6	293
	04:34 PM	-1.0	-30
	11:06 PM	7.5	229
13 Su	04:17 AM	2.8	85
	10:30 AM	10.0	305
	05:23 PM	-1.6	-49
14 M ●	12:00 AM	7.8	238
	05:07 AM	3.0	91
	11:15 AM	10.2	311
	06:10 PM	-2.0	-61
15 Tu	12:52 AM	7.9	241
	05:56 AM	3.2	98
	12:00 PM	10.1	308
	06:57 PM	-2.0	-61
16 W	01:42 AM	7.9	241
	06:45 AM	3.4	104
	12:46 PM	9.8	299
	07:43 PM	-1.7	-52
17 Th	02:32 AM	7.8	238
	07:35 AM	3.6	110
	01:33 PM	9.3	283
	08:29 PM	-1.2	-37
18 F	03:22 AM	7.6	232
	08:28 AM	3.8	116
	02:21 PM	8.5	259
	09:16 PM	-0.5	-15
19 Sa	04:13 AM	7.4	226
	09:26 AM	3.9	119
	03:13 PM	7.7	235
	10:03 PM	0.2	6
20 Su	05:04 AM	7.3	223
	10:31 AM	3.9	119
	04:13 PM	6.9	210
	10:51 PM	0.9	27
21 M ◐	05:56 AM	7.3	223
	11:44 AM	3.7	113
	05:24 PM	6.2	189
	11:41 PM	1.6	49
22 Tu	06:45 AM	7.4	226
	12:57 PM	3.2	98
	06:42 PM	5.8	177
23 W	12:32 AM	2.2	67
	07:30 AM	7.5	229
	02:02 PM	2.6	79
	07:57 PM	5.7	174
24 Th	01:24 AM	2.7	82
	08:13 AM	7.7	235
	02:55 PM	2.0	61
	09:03 PM	5.8	177
25 F	02:15 AM	3.1	94
	08:52 AM	8.0	244
	03:40 PM	1.3	40
	10:00 PM	6.1	186
26 Sa	03:04 AM	3.4	104
	09:29 AM	8.3	253
	04:20 PM	0.7	21
	10:50 PM	6.5	198
27 Su	03:49 AM	3.6	110
	10:06 AM	8.5	259
	04:58 PM	0.2	6
	11:35 PM	6.8	207
28 M	04:32 AM	3.7	113
	10:41 AM	8.7	265
	05:34 PM	-0.2	-6
29 Tu	12:17 AM	7.1	216
	05:13 AM	3.8	116
	11:15 AM	8.9	271
	06:11 PM	-0.5	-15
30 W ○	12:58 AM	7.2	219
	05:53 AM	3.8	116
	11:50 AM	8.9	271
	06:47 PM	-0.7	-21
31 Th	01:38 AM	7.3	223
	06:32 AM	3.8	116
	12:26 PM	8.9	271
	07:25 PM	-0.9	-27

Monthly tide data taken from Tillamook Bay. Tide height and times will be slightly different depending on your North Coast location.

Tide Tables are predictions and are least accurate during storms and extreme high and low tide periods.



Beach Safety Tips

Watch out for sneaker waves

Always keep one eye on the ocean so you won't be caught off guard if a bigger wave surges up the beach. These "sneaker waves" are unpredictable, powerful and can easily knock adults off their feet.

Hike like a pro

Be careful on rocks and near cliffs. Rocks can be slippery and cliffs can be unstable due to erosion. Stay on marked trails and don't climb over fences or other barriers. Trails are carefully planned by park rangers and barriers are there to keep you safe.

Watch for falling rocks

Avoid walking along the base of cliffs or eroding bluffs. Chunks of cliff or rocks can fall at any time; areas with overhangs and caves are especially dangerous. Do not dig in cliffs or bluffs.

Maintain a safe campfire

Beach campfires may be started on open sand, away from driftwood or vegetation. Check online for seasonal fire restrictions. Use water to extinguish your fire, not sand. Pour water around the base of the fire pit, not directly on hot coals.

Avoid logs on the beach

Stay away from logs on the beach or in the surf. The logs absorb water like sponges, increasing their weight by up to several tons. The ocean is strong enough to pick up even the heaviest log and roll it over you.

Know the tides

Know when the tide is coming in, especially when exploring tidepools or secluded beaches. Incoming tides can quickly leave you stranded away from shore. Be extra careful during extreme high or low tides and storms.

Swim smart: rip currents

Rip currents are fast-moving water channels that can carry even the strongest swimmers away from shore. If you're ever caught in one, stay calm. A rip current is fast but narrow; swim parallel to the shore to escape it, then swim back to land at an angle.

Oregon State Parks

Information:
800-551-6949

Reservations:
800-452-5687

oregonstateparks.org

Information printed from the National Oceanic and Atmospheric Administration
tidesandcurrents.noaa.gov

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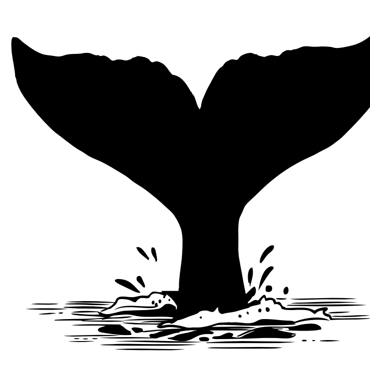
TIDE TABLES

& Beach Safety Tips

2020



OREGON
CENTRAL COAST

January

Day	Time (h m)	Height (ft)	Height (cm)
1 W	04:57 AM 10:38 AM 03:58 PM 10:34 PM	7.4 3.7 6.6 1.4	226 113 201 43
2 Th	05:39 AM 11:47 AM 05:05 PM 11:17 PM	7.5 3.4 6.0 2.0	229 104 183 61
3 F ◐	06:20 AM 12:55 PM 06:27 PM	7.7 2.9 5.6	235 88 171
4 Sa	12:03 AM 07:00 AM 01:56 PM 07:53 PM	2.7 7.9 2.3 5.5	82 241 70 168
5 Su	12:54 AM 07:40 AM 02:48 PM 09:09 PM	3.2 8.2 1.6 5.7	98 250 49 174
6 M	01:48 AM 08:19 AM 03:33 PM 10:10 PM	3.6 8.6 0.8 6.1	110 262 24 186
7 Tu	02:42 AM 09:00 AM 04:15 PM 11:00 PM	3.9 9.0 0.1 6.6	119 274 3 201
8 W	03:33 AM 09:41 AM 04:55 PM 11:44 PM	4.0 9.4 -0.5 7.0	122 287 -15 213
9 Th	04:21 AM 10:24 AM 05:36 PM	4.0 9.7 -1.0	122 296 -30
10 F ○	12:25 AM 05:08 AM 11:08 AM 06:17 PM	7.3 3.9 10.0 -1.4	223 119 305 -43
11 Sa	01:06 AM 05:55 AM 11:53 AM 06:58 PM	7.6 3.7 10.1 -1.6	232 113 308 -49
12 Su	01:47 AM 06:44 AM 12:39 PM 07:41 PM	7.8 3.5 10.0 -1.5	238 107 305 -46
13 M	02:28 AM 07:36 AM 01:29 PM 08:24 PM	8.0 3.3 9.6 -1.2	244 101 293 -37
14 Tu	03:11 AM 08:33 AM 02:22 PM 09:08 PM	8.2 3.1 8.9 -0.6	250 94 271 -18
15 W	03:55 AM 09:37 AM 03:22 PM 09:53 PM	8.4 2.8 8.1 0.2	256 85 247 6
16 Th	04:42 AM 10:47 AM 04:31 PM 10:42 PM	8.6 2.4 7.2 1.1	262 73 219 34
17 F ◑	05:30 AM 12:01 PM 05:53 PM 11:35 PM	8.8 1.9 6.4 2.0	268 58 195 61
18 Sa	06:21 AM 01:15 PM 07:25 PM	9.1 1.3 6.1	277 40 186
19 Su	12:34 AM 07:14 AM 02:23 PM 08:53 PM	2.8 9.2 0.6 6.2	85 280 18 189
20 M	01:40 AM 08:07 AM 03:22 PM 10:05 PM	3.4 9.4 0.0 6.6	104 287 0 201
21 Tu	02:45 AM 08:59 AM 04:14 PM 11:03 PM	3.8 9.5 -0.4 7.0	116 290 -12 213
22 W	03:45 AM 09:49 AM 05:00 PM 11:50 PM	3.9 9.6 -0.7 7.3	119 293 -21 223
23 Th	04:38 AM 10:36 AM 05:42 PM	3.8 9.5 -0.9	116 290 -27
24 F ●	12:30 AM 05:25 AM 11:19 AM 06:21 PM	7.5 3.7 9.4 -0.8	229 113 287 -24
25 Sa	01:07 AM 06:08 AM 12:00 PM 06:57 PM	7.6 3.6 9.2 -0.7	232 110 280 -21
26 Su	01:42 AM 06:50 AM 12:39 PM 07:31 PM	7.6 3.4 8.9 -0.4	232 104 271 -12
27 M	02:15 AM 07:31 AM 01:18 PM 08:04 PM	7.7 3.3 8.5 0.0	235 101 259 0
28 Tu	02:48 AM 08:13 AM 01:58 PM 08:36 PM	7.7 3.2 8.0 0.5	235 98 244 15
29 W	03:20 AM 08:59 AM 02:40 PM 09:08 PM	7.7 3.1 7.3 1.1	235 94 223 34
30 Th	03:53 AM 09:49 AM 03:28 PM 09:40 PM	7.7 3.0 6.7 1.8	235 91 204 55
31 F	04:27 AM 10:46 AM 04:26 PM 10:15 PM	7.7 2.8 6.0 2.4	235 85 183 73

February

Day	Time (h m)	Height (ft)	Height (cm)
1 Sa	05:04 AM 11:50 AM 05:41 PM 10:56 PM	7.8 2.5 5.5 3.1	238 76 168 94
2 Su ◐	05:47 AM 12:58 PM 07:14 PM 11:49 PM	7.9 2.1 5.4 3.7	241 64 165 113
3 M	06:35 AM 02:01 PM 08:43 PM	8.1 1.5 5.6	247 46 171
4 Tu	12:55 AM 07:28 AM 02:57 PM 09:50 PM	4.1 8.4 0.8 6.0	125 256 24 183
5 W	02:05 AM 08:22 AM 03:46 PM 10:40 PM	4.2 8.7 0.1 6.5	128 265 3 198
6 Th	03:08 AM 09:15 AM 04:31 PM 11:21 PM	4.1 9.2 -0.5 7.0	125 280 -15 213
7 F	04:04 AM 10:06 AM 05:14 PM 11:59 PM	3.8 9.6 -1.1 7.4	116 293 -34 226
8 Sa	04:55 AM 10:55 AM 05:56 PM	3.4 10.0 -1.4	104 305 -43
9 Su ○	12:37 AM 05:44 AM 11:44 AM 06:37 PM	7.8 2.9 10.1 -1.5	238 88 308 -46
10 M	01:14 AM 06:34 AM 12:34 PM 07:17 PM	8.2 2.5 9.9 -1.3	250 76 302 -40
11 Tu	01:52 AM 07:26 AM 01:25 PM 07:58 PM	8.5 2.0 9.5 -0.8	259 61 290 -24
12 W	02:31 AM 08:21 AM 02:19 PM 08:40 PM	8.8 1.7 8.7 0.0	268 52 265 0
13 Th	03:13 AM 09:19 AM 03:19 PM 09:23 PM	9.0 1.4 7.8 0.9	274 43 238 27
14 F	03:56 AM 10:23 AM 04:27 PM 10:10 PM	9.0 1.2 6.9 1.9	274 37 210 58
15 Sa ◑	04:44 AM 11:34 AM 05:49 PM 11:04 PM	9.0 1.0 6.3 2.8	274 30 192 85
16 Su	05:38 AM 12:48 PM 07:23 PM	8.9 0.8 6.0	271 24 183
17 M	12:10 AM 06:39 AM 02:01 PM 08:52 PM	3.5 8.7 0.5 6.2	107 265 15 189
18 Tu	01:28 AM 07:43 AM 03:05 PM 10:01 PM	3.9 8.6 0.1 6.6	119 262 3 201
19 W	02:43 AM 08:45 AM 03:59 PM 10:51 PM	4.0 8.7 -0.1 6.9	122 265 -3 210
20 Th	03:44 AM 09:40 AM 04:44 PM 11:31 PM	3.8 8.7 -0.3 7.2	116 265 -9 219
21 F	04:35 AM 10:29 AM 05:24 PM	3.5 8.8 -0.4	107 268 -12
22 Sa	12:05 AM 05:18 AM 11:12 AM 05:59 PM	7.4 3.1 8.7 -0.3	226 94 265 -9
23 Su ●	12:36 AM 05:56 AM 11:51 AM 06:31 PM	7.5 2.8 8.6 -0.2	229 85 262 -6
24 M	01:04 AM 06:33 AM 12:28 PM 07:01 PM	7.6 2.5 8.4 0.1	232 76 256 3
25 Tu	01:31 AM 07:10 AM 01:05 PM 07:29 PM	7.7 2.3 8.1 0.5	235 70 247 15
26 W	01:58 AM 07:47 AM 01:43 PM 07:58 PM	7.8 2.1 7.6 1.0	238 64 232 30
27 Th	02:24 AM 08:26 AM 02:24 PM 08:26 PM	7.8 2.0 7.1 1.6	238 61 216 49
28 F	02:52 AM 09:09 AM 03:09 PM 08:55 PM	7.8 1.9 6.6 2.2	238 58 201 67
29 Sa	03:22 AM 09:57 AM 04:04 PM 09:27 PM	7.8 1.8 6.0 2.8	238 55 183 85

March

Day	Time (h m)	Height (ft)	Height (cm)
1 Su	03:57 AM 10:54 AM 05:14 PM 10:07 PM	7.8 1.7 5.6 3.4	238 52 171 104
2 M ◐	04:40 AM 12:00 PM 06:44 PM 11:02 PM	7.7 1.5 5.4 3.9	235 46 165 119
3 Tu	05:35 AM 01:11 PM 08:15 PM	7.7 1.1 5.6	235 34 171
4 W	12:20 AM 06:42 AM 02:17 PM 09:21 PM	4.2 7.9 0.6 6.0	128 241 18 183
5 Th	01:44 AM 07:50 AM 03:13 PM 10:08 PM	4.1 8.2 0.0 6.5	125 250 0 198
6 F	02:53 AM 08:54 AM 04:02 PM 10:47 PM	3.7 8.6 -0.6 7.0	113 262 -18 213
7 Sa	03:51 AM 09:51 AM 04:46 PM 11:23 PM	3.1 9.1 -1.0 7.6	94 277 -30 232
8 Su	05:43 AM 11:45 AM 06:28 PM	2.4 9.4 -1.2	73 287 -37
9 M ○	12:59 AM 06:33 AM 12:37 PM 07:09 PM	8.1 1.6 9.5 -1.1	247 49 290 -34
10 Tu	01:35 AM 07:22 AM 01:29 PM 07:49 PM	8.6 0.9 9.3 -0.7	262 27 283 -21
11 W	02:12 AM 08:13 AM 02:22 PM 08:30 PM	9.0 0.4 8.9 0.0	274 12 271 0
12 Th	02:50 AM 09:05 AM 03:17 PM 09:11 PM	9.2 0.0 8.2 0.8	280 0 250 24
13 F	03:30 AM 09:59 AM 04:17 PM 09:55 PM	9.3 -0.1 7.5 1.7	283 -3 229 52
14 Sa	04:14 AM 10:59 AM 05:25 PM 10:44 PM	9.1 0.0 6.7 2.6	277 0 204 79
15 Su	05:02 AM 12:05 PM 06:46 PM 11:43 PM	8.7 0.2 6.2 3.3	265 6 189 101
16 M ◑	05:59 AM 01:17 PM 08:16 PM	8.3 0.3 6.1	253 9 186
17 Tu	01:00 AM 07:08 AM 02:31 PM 09:37 PM	3.8 7.8 0.3 6.3	116 238 9 192
18 W	02:27 AM 08:22 AM 03:38 PM 10:38 PM	3.9 7.6 0.3 6.5	119 232 9 198
19 Th	03:43 AM 09:32 AM 04:32 PM 11:22 PM	3.6 7.6 0.2 6.8	110 232 6 207
20 F	04:40 AM 10:30 AM 05:17 PM 11:57 PM	3.2 7.7 0.1 7.1	98 235 3 216
21 Sa	05:26 AM 11:19 AM 05:55 PM	2.7 7.8 0.1	82 238 3
22 Su	12:27 AM 06:05 AM 12:01 PM 06:28 PM	7.3 2.2 7.8 0.2	223 67 238 6
23 M	12:54 AM 06:40 AM 12:40 PM 06:57 PM	7.5 1.8 7.7 0.4	229 55 235 12
24 Tu ●	01:19 AM 07:14 AM 01:18 PM 07:25 PM	7.7 1.4 7.6 0.8	235 43 232 24
25 W	01:43 AM 07:48 AM 01:55 PM 07:53 PM	7.8 1.1 7.4 1.2	238 34 226 37
26 Th	02:07 AM 08:22 AM 02:34 PM 08:20 PM	7.9 0.8 7.1 1.7	241 24 216 52
27 F	02:32 AM 08:58 AM 03:15 PM 08:49 PM	7.9 0.7 6.7 2.2	241 21 204 67
28 Sa	02:59 AM 09:37 AM 04:01 PM 09:19 PM	7.9 0.6 6.4 2.7	241 18 195 82
29 Su	03:29 AM 10:21 AM 04:55 PM 09:53 PM	7.8 0.7 6.0 3.2	238 21 183 98
30 M	04:04 AM 11:13 AM 06:01 PM 10:37 PM	7.7 0.7 5.6 3.7	235 21 171 113
31 Tu	04:50 AM 12:16 PM 07:23 PM 11:41 PM	7.5 0.7 5.5 4.0	229 21 168 122

April

Day	Time (h m)	Height (ft)	Height (cm)
1 W ◐	05:50 AM 01:26 PM 08:42 PM	7.3 0.5 5.7	223 15 174
2 Th	01:07 AM 07:06 AM 02:34 PM 09:42 PM	4.0 7.3 0.2 6.1	122 223 6 186
3 F	02:33 AM 08:25 AM 03:34 PM 10:27 PM	3.7 7.5 -0.1 6.6	113 229 -3 201
4 Sa	03:42 AM 09:36 AM 04:25 PM 11:05 PM	3.0 7.8 -0.5 7.3	91 238 -15 223
5 Su	04:39 AM 10:39 AM 05:12 PM 11:42 PM	2.1 8.2 -0.6 7.9	64 250 -18 241
6 M	05:31 AM 11:36 AM 05:55 PM	1.1 8.5 -0.5	34 259 -15
7 Tu	12:18 AM 06:21 AM 12:31 PM 06:37 PM	8.5 0.2 8.5 -0.2	259 6 259 -6
8 W ○	12:54 AM 07:09 AM 01:25 PM 07:18 PM	9.0 -0.6 8.4 0.3	274 -18 256 9
9 Th	01:32 AM 07:58 AM 02:20 PM 08:00 PM	9.4 -1.1 8.1 1.0	287 -34 247 30
10 F	02:11 AM 08:48 AM 03:16 PM 08:44 PM	9.5 -1.4 7.6 1.7	290 -43 232 52
11 Sa	02:52 AM 09:39 AM 04:16 PM 09:31 PM	9.3 -1.3 7.1 2.5	283 -40 216 76
12 Su	03:36 AM 10:35 AM 05:22 PM 10:25 PM	8.9 -0.9 6.6 3.1	271 -27 201 94
13 M	04:26 AM 11:36 AM 06:36 PM 11:31 PM	8.2 -0.5 6.3 3.6	250 -15 192 110
14 Tu ◑	05:25 AM 12:43 PM 07:54 PM	7.6 -0.1 6.2	232 -3 189
15 W	12:53 AM 06:37 AM 01:53 PM 09:04 PM	3.7 7.0 0.2 6.3	113 213 6 192
16 Th	02:20 AM 07:56 AM 02:57 PM 09:58 PM	3.5 6.6 0.4 6.6	107 201 12 201
17 F	03:31 AM 09:10 AM 03:52 PM 10:39 PM	3.1 6.5 0.5 6.8	94 198 15 207
18 Sa	04:25 AM 10:11 AM 04:36 PM 11:12 PM	2.5 6.6 0.6 7.1	76 201 18 216
19 Su	05:09 AM 11:03 AM 05:13 PM 11:40 PM	1.9 6.7 0.8 7.3	58 204 24 223
20 M	05:46 AM 11:47 AM 05:46 PM	1.3 6.8 1.0	40 207 30
21 Tu	12:06 AM 06:20 AM 12:29 PM 06:17 PM	7.6 0.8 6.8 1.3	232 24 207 40
22 W	12:30 AM 06:53 AM 01:08 PM 06:46 PM	7.8 0.3 6.8 1.6	238 9 207 49
23 Th ●	12:55 AM 07:26 AM 01:48 PM 07:16 PM	8.0 0.0 6.8 2.0	244 0 207 61
24 F	01:20 AM 08:00 AM 02:28 PM 07:46 PM	8.1 -0.3 6.6 2.4	247 -9 201 73
25 Sa	01:47 AM 08:35 AM 03:11 PM 08:18 PM	8.1 -0.4 6.5 2.8	247 -12 198 85
26 Su	02:17 AM 09:14 AM 03:58 PM 08:52 PM	8.0 -0.4 6.2 3.2	244 -12 189 98
27 M	02:50 AM 09:58 AM 04:52 PM 09:33 PM	7.9 -0.4 6.0 3.5	241 -12 183 107
28 Tu	03:29 AM 10:48 AM 05:54 PM 10:26 PM	7.7 -0.3 5.9 3.8	235 -9 180 116
29 W	04:19 AM 11:46 AM 07:02 PM 11:37 PM	7.4 -0.2 5.9 3.9	226 -6 180 119
30 Th ◐	05:23 AM 12:49 PM 08:05 PM	7.1 -0.1 6.1	216 -3 186

May

Day	Time (h m)	Height (ft)	Height (cm)
1 F	01:04 AM 06:41 AM 01:52 PM 08:57 PM	3.7 6.8 -0.1 6.6	113 207 -3 201
2 Sa	02:24 AM 08:04 AM 02:51 PM 09:41 PM	3.0 6.8 -0.1 7.1	91 207 -3 216
3 Su	03:31 AM 09:21 AM 03:44 PM 10:21 PM	2.1 6.9 0.0 7.8	64 210 0 238
4 M	04:28 AM 10:29 AM 04:33 PM 11:00 PM	1.0 7.2 0.2 8.5	30 219 6 259
5 Tu	05:19 AM 11:30 AM 05:19 PM 11:38 PM	-0.1 7.4 0.6 9.0	-3 226 18 274
6 W	06:08 AM 12:28 PM 06:04 PM	-1.0 7.6 1.0	-30 232 30
7 Th ○	12:16 AM 06:56 AM 01:24 PM 06:49 PM	9.5 -1.7 7.6 1.5	290 -52 232 46
8 F	12:56 AM 07:43 AM 02:18 PM 07:34 PM	9.6 -2.1 7.5 2.0	293 -64 229 61
9 Sa	01:37 AM 08:31 AM 03:14 PM 08:21 PM	9.5 -2.1 7.3 2.5	290 -64 223 76
10 Su	02:20 AM 09:21 AM 04:11 PM 09:12 PM	9.2 -1.9 7.0 3.0	280 -58 213 91
11 M	03:06 AM 10:12 AM 05:11 PM 10:09 PM	8.6 -1.4 6.7 3.4	262 -43 204 104
12 Tu	03:56 AM 11:07 AM 06:15 PM 11:17 PM	7.9 -0.8 6.5 3.6	241 -24 198 110
13 W	04:54 AM 12:06 PM 07:19 PM	7.1 -0.3 6.5	216 -9 198
14 Th ◑	12:36 AM 06:02 AM 01:06 PM 08:18 PM	3.5 6.4 0.2 6.6	107 195 6 201
15 F	01:56 AM 07:19 AM 02:04 PM 09:06 PM	3.2 6.0 0.6 6.7	98 183 18 204
16 Sa	03:05 AM 08:36 AM 02:56 PM 09:46 PM	2.7 5.7 1.0 7.0	82 174 30 213
17 Su	03:59 AM 09:43 AM 03:42 PM 10:19 PM	2.0 5.7 1.3 7.3	61 174 40 223
18 M	04:43 AM 10:41 AM 04:22 PM 10:48 PM	1.4 5.8 1.6 7.6	43 177 49 232
19 Tu	05:21 AM 11:31 AM 04:58 PM 11:15 PM	0.7 6.0 1.9 7.8	21 183 58 238
20 W	05:56 AM 12:17 PM 05:33 PM 11:43 PM	0.2 6.2 2.2 8.1	6 189 67 247
21 Th	06:30 AM 01:00 PM 06:07 PM	-0.3 6.3 2.5	-9 192 76
22 F ●	12:11 AM 07:05 AM 01:41 PM 06:41 PM	8.3 -0.7 6.4 2.8	253 -21 195 85
23 Sa	12:41 AM 07:40 AM 02:23 PM 07:16 PM	8.4 -1.0 6.5 3.1	256 -30 198 94
24 Su	01:13 AM 08:17 AM 03:07 PM 07:54 PM	8.4 -1.1 6.4 3.3	256 -34 195 101
25 M	01:48 AM 08:57 AM 03:54 PM 08:35 PM	8.4 -1.2 6.4 3.5	256 -37 195 107
26 Tu	02:26 AM 09:41 AM 04:44 PM 09:24 PM	8.2 -1.1 6.3 3.7	250 -34 192 113
27 W	03:11 AM 10:29 AM 05:37 PM 10:23 PM	7.9 -0.9 6.3 3.7	241 -27 192 113
28 Th	04:04 AM 11:20 AM 06:32 PM 11:36 PM	7.5 -0.7 6.5 3.5	229 -21 198 107
29 F	05:09 AM 12:15 PM 07:24 PM	7.0 -0.4 6.8	213 -12 207
30 Sa ◐	12:56 AM 06:26 AM 01:12 PM 08:12 PM	3.1 6.5 0.0 7.3	94 198 0 223
31 Su	02:11 AM 07:49 AM 02:08 PM 08:57 PM	2.3 6.2 0.4 7.9	70 189 12 241

June

Day	Time (h m)	Height (ft)	Height (cm)
1 M	03:17 AM 09:10 AM 03:03 PM 09:39 PM	1.3 6.2 0.9 8.5	40 189 27 259
2 Tu	04:15 AM 10:24 AM 03:55 PM 10:21 PM	0.2 6.4 1.3 9.0	6 195 40 274
3 W	05:07 AM 11:29 AM 04:46 PM 11:03 PM	-0.8 6.7 1.8 9.5	-24 204 55 290
4 Th	05:56 AM 12:28 PM 05:36 PM 11:45 PM	-1.5 6.9 2.2 9.7	-46 210 67 296
5 F ○	06:43 AM 01:23 PM 06:24 PM	-2.1 7.1 2.5	-64 216 76
6 Sa	12:28 AM 07:30 AM 02:16 PM 07:13 PM	9.7 -2.3 7.2 2.8	296 -70 219 85
7 Su	01:12 AM 08:16 AM 03:07 PM 08:03 PM	9.5 -2.2 7.1 3.1	290 -67 216 94
8 M	01:57 AM 09:02 AM 03:57 PM 08:55 PM	9.1 -1.9 7.0 3.3	277 -58 213 101
9 Tu	02:43 AM 09:49 AM 04:49 PM 09:51 PM	8.5 -1.4 6.9 3.4	259 -43 210 104
10 W	03:31 AM 10:36 AM 05:41 PM 10:53 PM	7.8 -0.8 6.8 3.4	238 -24 207 104
11 Th	04:24 AM 11:25 AM 06:32 PM	7.0 -0.2 6.8	213 -6 207
12 F	12:02 AM 05:24 AM 12:13 PM 07:21 PM	3.3 6.3 0.4 6.9	101 192 12 210
13 Sa ◑	01:15 AM 06:35 AM 01:03 PM 08:05 PM	3.0 5.7 1.0 7.0	91 174 30 213
14 Su	02:24 AM 07:52 AM 01:51 PM 08:44 PM	2.5 5.3 1.6 7.2	76 162 49 219
15 M	03:21 AM 09:09 AM 02:38 PM 09:20 PM	1.9 5.2 2.0 7.5	58 158 61 229
16 Tu	04:09 AM 10:16 AM 03:24 PM 09:54 PM	1.2 5.3 2.5 7.8	37 162 76 238
17 W	04:51 AM 11:14 AM 04:08 PM 10:27 PM	0.6 5.6 2.8 8.1	18 171 85 247
18 Th	05:30 AM 12:04 PM 04:50 PM 11:01 PM	0.0 5.9 3.1 8.4	0 180 94 256
19 F	06:07 AM 12:49 PM 05:32 PM 11:35 PM	-0.5 6.2 3.3 8.6	-15 189 101 262
20 Sa	06:44 AM 01:31 PM 06:13 PM	-1.0 6.4 3.4	-30 195 104
21 Su ●	12:12 AM 07:21 AM 02:12 PM 06:54 PM	8.8 -1.3 6.6 3.4	268 -40 201 104
22 M	12:50 AM 08:01 AM 02:54 PM 07:37 PM	8.9 -1.5 6.7 3.5	271 -46 204 107
23 Tu	01:31 AM 08:41 AM 03:37 PM 08:24 PM	8.9 -1.5 6.8 3.5	271 -46 207 107
24 W	02:15 AM 09:24 AM 04:21 PM 09:17 PM	8.7 -1.4 6.9 3.4	265 -43 210 104
25 Th	03:03 AM 10:08 AM 05:06 PM 10:18 PM	8.3 -1.2 7.1 3.2	253 -37 216 98
26 F	03:58 AM 10:54 AM 05:53 PM 11:26 PM	7.7 -0.7 7.3 2.9	235 -21 223 88
27 Sa	05:02 AM 11:43 AM 06:40 PM	7.0 -0.1 7.7	213 -3 235
28 Su ◐	12:40 AM 06:17 AM 12:34 PM 07:27 PM	2.4 6.4 0.6 8.1	73 195 18 247
29 M	01:54 AM 07:42 AM 01:29 PM 08:14 PM	1.6 5.9 1.3 8.5	49 180 40 259
30 Tu	03:01 AM 09:07 AM 02:26 PM 09:02 PM	0.7 5.8 2.0 8.9	21 177 61 271

July

Day	Time (h m)	Height (ft)	Height (cm)
1 W	04:02 AM 10:25 AM 03:25 PM 09:50 PM	-0.2 6.0 2.5 9.3	-6 183 76 283
2 Th	04:56 AM 11:32 AM 04:22 PM 10:37 PM	-0.9 6.4 2.9 9.5	-27 195 88 290
3 F	05:45 AM 12:29 PM 05:18 PM 11:24 PM	-1.5 6.7 3.1 9.6	-46 204 94 293
4 Sa	06:32 AM 01:19 PM 06:10 PM	-1.8 7.0 3.2	-55 213 98
5 Su ○	12:10 AM 07:17 AM 02:06 PM 07:00 PM	9.6 -1.9 7.1 3.2	293 -58 216 98
6 M	12:56 AM 08:00 AM 02:50 PM 07:48 PM	9.3 -1.7 7.2 3.2	283 -52 219 98
7 Tu	01:40 AM 08:42 AM 03:32 PM 08:37 PM	9.0 -1.4 7.2 3.2	274 -43 219 98
8 W	02:25 AM 09:22 AM 04:14 PM 09:27 PM	8.4 -1.0 7.1 3.1	256 -30 216 94
9 Th	03:09 AM 10:02 AM 04:55 PM 10:20 PM	7.8 -0.4 7.1 3.1	238 -12 216 94
10 F	03:57 AM 10:41 AM 05:36 PM 11:19 PM	7.1 0.2 7.1 3.0	216 6 216 91
11 Sa	04:49 AM 11:20 AM 06:16 PM	6.4 0.9 7.2	195 27 219
12 Su ◑	12:23 AM 05:52 AM 12:01 PM 06:56 PM	2.8 5.7 1.6 7.3	85 174 49 223
13 M	01:29 AM 07:07 AM 12:45 PM 07:37 PM	2.4 5.2 2.2 7.4	73 158 67 226
14 Tu	02:32 AM 08:31 AM 01:34 PM 08:18 PM	1.9 5.1 2.8 7.6	58 155 85 232
15 W	03:28 AM 09:51 AM 02:28 PM 09:00 PM	1.3 5.2 3.3 7.9	40 158 101 241
16 Th	04:17 AM 10:55 AM 03:23 PM 09:43 PM	0.7 5.5 3.5 8.2	21 168 107 250
17 F	05:00 AM 11:47 AM 04:16 PM 10:26 PM	0.1 5.9 3.6 8.5	3 180 110 259
18 Sa	05:41 AM 12:31 PM 05:05 PM 11:09 PM	-0.5 6.3 3.6 8.9	-15 192 110 271
19 Su	06:21 AM 01:10 PM 05:51 PM 11:52 PM	-1.0 6.6 3.5 9.1	-30 201 107 277
20 M ●	07:01 AM 01:49 PM 06:37 PM	-1.3 6.9 3.3	-40 210 101
21 Tu	12:36 AM 07:41 AM 02:27 PM 07:24 PM	9.3 -1.6 7.1 3.1	283 -49 216 94
22 W	01:21 AM 08:21 AM 03:05 PM 08:13 PM	9.3 -1.6 7.4 2.8	283 -49 226 85
23 Th	02:08 AM 09:01 AM 03:45 PM 09:07 PM	9.0 -1.3 7.6 2.6	274 -40 232 79
24 F	02:59 AM 09:42 AM 04:26 PM 10:05 PM	8.5 -0.9 7.9 2.3	259 -27 241 70
25 Sa	03:55 AM 10:25 AM 05:09 PM 11:09 PM	7.8 -0.2 8.1 1.9	238 -6 247 58
26 Su	04:59 AM 11:11 AM 05:54 PM	7.0 0.6 8.4	213 18 256
27 M ◐	12:20 AM 06:14 AM 12:01 PM 06:43 PM	1.5 6.3 1.5 8.6	46 192 46 262
28 Tu	01:32 AM 07:41 AM 12:58 PM 07:36 PM	1.0 5.8 2.3 8.8	30 177 70 268
29 W	02:43 AM 09:11 AM 02:02 PM 08:32 PM	0.4 5.8 3.0 8.9	12 177 91 271
30 Th	03:47 AM 10:29 AM 03:10 PM 09:28 PM	-0.2 6.1 3.3 9.1	-6 186 101 277
31 F	04:44 AM 11:31 AM 04:15 PM 10:23 PM	-0.7 6.5 3.5 9.2	-21 198 107 280

August

Day	Time (h m)	Height (ft)	Height (cm)
1 Sa	05:34 AM 12:22 PM 05:12 PM 11:14 PM	-1.0 6.8 3.4 9.2	-30 207 104 280
2 Su	06:20 AM 01:05 PM 06:03 PM	-1.2 7.1 3.2	-37 216 98
3 M ○	12:01 AM 07:01 AM 01:44 PM 06:50 PM	9.2 -1.2 7.2 3.0	280 -37 219 91
4 Tu	12:46 AM 07:40 AM 02:20 PM 07:33 PM	9.0 -1.1 7.3 2.8	274 -34 223 85
5 W	01:28 AM 08:16 AM 02:55 PM 08:16 PM	8.7 -0.8 7.4 2.7	265 -24 226 82
6 Th	02:09 AM 08:50 AM 03:28 PM 08:59 PM	8.3 -0.3 7.4 2.5	253 -9 226 76
7 F	02:50 AM 09:23 AM 04:01 PM 09:44 PM	7.8 0.2 7.4 2.5	238 6 226 76
8 Sa	03:33 AM 09:56 AM 04:33 PM 10:33 PM	7.1 0.9 7.4 2.4	216 27 226 73
9 Su	04:21 AM 10:29 AM 05:07 PM 11:27 PM	6.5 1.6 7.4 2.3	198 49 226 70
10 M	05:18 AM 11:04 AM 05:44 PM	5.9 2.3 7.4	180 70 226
11 Tu ◑	12:28 AM 06:30 AM 11:45 AM 06:27 PM	2.1 5.4 2.9 7.4	64 165 88 226
12 W	01:34 AM 07:57 AM 12:37 PM 07:15 PM	1.8 5.2 3.5 7.5	55 158 107 229
13 Th	02:39 AM 09:24 AM 01:42 PM 08:10 PM	1.4 5.3 3.8 7.7	43 162 116 235
14 F	03:37 AM 10:32 AM 02:51 PM 09:05 PM	0.8 5.7 4.0 8.0	24 174 122 244
15 Sa	04:28 AM 11:21 AM 03:53 PM 09:58 PM	0.2 6.1 3.8 8.4	6 186 116 256
16 Su	05:13 AM 12:01 PM 04:47 PM 10:49 PM	-0.3 6.5 3.5 8.9	-9 198 107 271
17 M	05:55 AM 12:38 PM 05:36 PM 11:37 PM	-0.8 6.9 3.1 9.2	-24 210 94 280
18 Tu	06:35 AM 01:13 PM 06:23 PM	-1.2 7.3 2.6	-37 223 79
19 W ●	12:25 AM 07:14 AM 01:48 PM 07:11 PM	9.4 -1.3 7.7 2.1	287 -40 235 64
20 Th	01:13 AM 07:53 AM 02:25 PM 08:00 PM	9.4 -1.2 8.1 1.7	287 -37 247 52
21 F	02:02 AM 08:33 AM 03:02 PM 08:52 PM	9.1 -0.8 8.4 1.3	277 -24 256 40
22 Sa	02:55 AM 09:13 AM 03:41 PM 09:48 PM	8.5 -0.1 8.6 1.0	259 -3 262 30
23 Su	03:53 AM 09:55 AM 04:23 PM 10:49 PM	7.8 0.7 8.8 0.8	238 21 268 24
24 M	04:58 AM 10:41 AM 05:10 PM 11:56 PM	7.0 1.7 8.8 0.6	213 52 268 18
25 Tu ◐	06:15 AM 11:34 AM 06:03 PM	6.3 2.5 8.7	192 76 265
26 W	01:08 AM 07:44 AM 12:39 PM 07:04 PM	0.4 6.0 3.2 8.5	12 183 98 259
27 Th	02:22 AM 09:13 AM 01:56 PM 08:10 PM	0.2 6.1 3.6 8.4	6 186 110 256
28 F	03:30 AM 10:24 AM 03:13 PM 09:17 PM	-0.1 6.4 3.7 8.5	-3 195 113 259
29 Sa	04:28 AM 11:19 AM 04:18 PM 10:16 PM	-0.3 6.8 3.4 8.5	-9 207 104 259
30 Su	05:18 AM 12:02 PM 05:12 PM 11:09 PM	-0.5 7.1 3.1 8.6	-15 216 94 262
31 M	06:00 AM 12:39 PM 05:58 PM 11:55 PM	-0.5 7.3 2.7 8.6	-15 223 82 262

September

Day	Time (h m)	Height (ft)	Height (cm)
1 Tu	06:38 AM 01:11 PM 06:39 PM	-0.4 7.4 2.3	-12 226 70
2 W ○	12:37 AM 07:12 AM 01:41 PM 07:17 PM	8.5 -0.2 7.6 2.0	259 -6 232 61
3 Th	01:16 AM 07:43 AM 02:09 PM 07:54 PM	8.3 0.1 7.7 1.8	253 3 235 55
4 F	01:55 AM 08:13 AM 02:36 PM 08:32 PM	7.9 0.6 7.7 1.6	241 18 235 49
5 Sa	02:35 AM 08:43 AM 03:03 PM 09:11 PM	7.5 1.1 7.7 1.5	229 34 235 46
6 Su	03:16 AM 09:12 AM 03:31 PM 09:52 PM	7.0 1.7 7.7 1.5	213 52 235 46
7 M	04:02 AM 09:42 AM 04:02 PM 10:39 PM	6.5 2.4 7.6 1.5	198 73 232 46
8 Tu	04:56 AM 10:16 AM 04:36 PM 11:33 PM	6.0 3.0 7.5 1.5	183 91 229 46
9 W	06:05 AM 10:57 AM 05:19 PM	5.6 3.5 7.3	171 107 223
10 Th ◑	12:38 AM 07:30 AM 11:54 AM 06:14 PM	1.5 5.5 4.0 7.3	46 168 122 223
11 F	01:48 AM 08:57 AM 01:12 PM 07:22 PM	1.2 5.6 4.2 7.4	37 171 128 226
12 Sa	02:54 AM 10:00 AM 02:33 PM 08:31 PM	0.8 6.0 4.1 7.6	24 183 125 232
13 Su	03:50 AM 10:45 AM 03:38 PM 09:35 PM	0.3 6.4 3.7 8.1	9 195 113 247
14 M	04:38 AM 11:23 AM 04:33 PM 10:31 PM	-0.2 6.9 3.0 8.5	-6 210 91 259
15 Tu	05:22 AM 11:57 AM 05:22 PM 11:24 PM	-0.6 7.4 2.3 8.9	-18 226 70 271
16 W	06:03 AM 12:31 PM 06:09 PM	-0.7 7.9 1.5	-21 241 46
17 Th ●	12:15 AM 06:42 AM 01:06 PM 06:57 PM	9.1 -0.7 8.5 0.8	277 -21 259 24
18 F	01:06 AM 07:22 AM 01:41 PM 07:46 PM	9.1 -0.3 8.9 0.2	277 -9 271 6
19 Sa	01:58 AM 08:02 AM 02:19 PM 08:36 PM	8.8 0.2 9.2 -0.2	268 6 280 -6
20 Su	02:53 AM 08:43 AM 02:58 PM 09:29 PM	8.3 1.0 9.3 -0.4	253 30 283 -12
21 M	03:52 AM 09:27 AM 03:41 PM 10:27 PM	7.6 1.8 9.2 -0.3	232 55 280 -9
22 Tu	04:59 AM 10:17 AM 04:30 PM 11:31 PM	7.0 2.7 8.8 -0.2	213 82 268 -6
23 W	06:16 AM 11:17 AM 05:27 PM	6.5 3.4 8.4	198 104 256
24 Th ◐	12:42 AM 07:41 AM 12:33 PM 06:36 PM	0.1 6.4 3.8 8.0	3 195 116 244
25 F	01:56 AM 09:02 AM 02:01 PM 07:53 PM	0.2 6.5 3.8 7.7	6 198 116 235
26 Sa	03:04 AM 10:04 AM 03:18 PM 09:06 PM	0.2 6.8 3.5 7.6	6 207 107 232
27 Su	04:03 AM 10:52 AM 04:18 PM 10:09 PM	0.2 7.1 3.0 7.7	6 216 91 235
28 M	04:51 AM 11:29 AM 05:07 PM 11:01 PM	0.2 7.4 2.5 7.8	6 226 76 238
29 Tu	05:31 AM 12:01 PM 05:47 PM 11:46 PM	0.3 7.6 2.0 7.8	9 232 61 238
30 W	06:06 AM 12:30 PM 06:24 PM	0.5 7.8 1.5	15 238 46

October

	Time	Height (ft)	Height (cm)
1	12:27 AM	7.8	238
	06:37 AM	0.7	21
Th	12:55 PM	7.9	241
○	06:59 PM	1.2	37
2	01:06 AM	7.7	235
	07:06 AM	1.1	34
F	01:20 PM	8.0	244
	07:32 PM	0.9	27
3	01:45 AM	7.5	229
	07:35 AM	1.6	49
Sa	01:45 PM	8.1	247
	08:06 PM	0.7	21
4	02:24 AM	7.2	219
	08:03 AM	2.1	64
Su	02:10 PM	8.1	247
	08:42 PM	0.6	18
5	03:06 AM	6.9	210
	08:32 AM	2.6	79
M	02:37 PM	8.0	244
	09:20 PM	0.6	18
6	03:51 AM	6.5	198
	09:03 AM	3.1	94
Tu	03:06 PM	7.8	238
	10:02 PM	0.7	21
7	04:45 AM	6.2	189
	09:39 AM	3.6	110
W	03:41 PM	7.6	232
	10:52 PM	0.8	24
8	05:50 AM	5.9	180
	10:24 AM	4.0	122
Th	04:25 PM	7.4	226
	11:52 PM	0.9	27
9	07:08 AM	5.8	177
	11:29 AM	4.3	131
F	05:24 PM	7.2	219
10	01:00 AM	0.9	27
	08:23 AM	6.0	183
Sa	12:56 PM	4.3	131
◑	06:40 PM	7.1	216
11	02:07 AM	0.7	21
	09:19 AM	6.4	195
Su	02:19 PM	3.9	119
	08:01 PM	7.2	219
12	03:06 AM	0.4	12
	10:02 AM	6.9	210
M	03:25 PM	3.2	98
	09:12 PM	7.5	229
13	03:57 AM	0.1	3
	10:39 AM	7.5	229
Tu	04:19 PM	2.3	70
	10:15 PM	8.0	244
14	04:43 AM	0.0	0
	11:13 AM	8.1	247
W	05:08 PM	1.3	40
	11:12 PM	8.3	253
15	05:26 AM	0.1	3
	11:48 AM	8.7	265
Th	05:56 PM	0.3	9
16	12:07 AM	8.5	259
	06:07 AM	0.4	12
F	12:24 PM	9.3	283
●	06:43 PM	-0.5	-15
17	01:01 AM	8.5	259
	06:49 AM	0.8	24
Sa	01:01 PM	9.7	296
	07:31 PM	-1.1	-34
18	01:55 AM	8.3	253
	07:31 AM	1.5	46
Su	01:39 PM	9.9	302
	08:20 PM	-1.4	-43
19	02:51 AM	8.0	244
	08:16 AM	2.1	64
M	02:21 PM	9.8	299
	09:11 PM	-1.4	-43
20	03:51 AM	7.6	232
	09:03 AM	2.8	85
Tu	03:06 PM	9.4	287
	10:06 PM	-1.1	-34
21	04:56 AM	7.2	219
	09:58 AM	3.4	104
W	03:56 PM	8.8	268
	11:06 PM	-0.6	-18
22	06:08 AM	6.9	210
	11:05 AM	3.8	116
Th	04:56 PM	8.1	247
23	12:12 AM	-0.1	-3
	07:24 AM	6.8	207
F	12:29 PM	4.0	122
◐	06:08 PM	7.4	226
24	01:22 AM	0.3	9
	08:34 AM	6.9	210
Sa	01:57 PM	3.7	113
	07:30 PM	7.0	213
25	02:27 AM	0.5	15
	09:29 AM	7.2	219
Su	03:11 PM	3.2	98
	08:48 PM	6.9	210
26	03:24 AM	0.7	21
	10:13 AM	7.5	229
M	04:07 PM	2.6	79
	09:53 PM	6.9	210
27	04:11 AM	0.9	27
	10:48 AM	7.7	235
Tu	04:53 PM	1.9	58
	10:48 PM	7.0	213
28	04:51 AM	1.2	37
	11:18 AM	8.0	244
W	05:31 PM	1.3	40
	11:35 PM	7.0	213
29	05:26 AM	1.5	46
	11:44 AM	8.2	250
Th	06:06 PM	0.8	24
30	12:18 AM	7.1	216
	05:57 AM	1.9	58
F	12:09 PM	8.4	256
	06:39 PM	0.4	12
31	12:58 AM	7.1	216
	06:27 AM	2.2	67
Sa	12:34 PM	8.5	259
○	07:11 PM	0.1	3

November

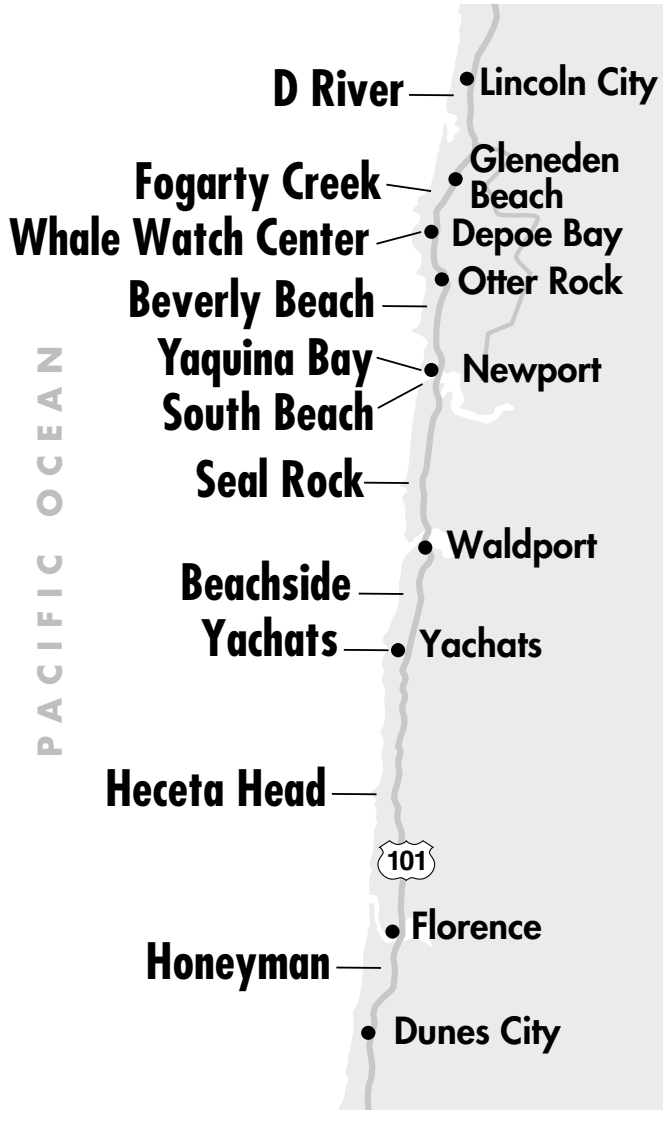
	Time	Height (ft)	Height (cm)
1	01:38 AM	7.1	216
	05:57 AM	2.6	79
Su	11:59 AM	8.5	259
	06:44 PM	-0.1	-3
2	01:18 AM	7.0	213
	06:28 AM	3.0	91
M	12:26 PM	8.5	259
	07:19 PM	-0.2	-6
3	02:00 AM	6.9	210
	07:00 AM	3.4	104
Tu	12:55 PM	8.4	256
	07:56 PM	-0.1	-3
4	02:46 AM	6.7	204
	07:35 AM	3.8	116
W	01:27 PM	8.2	250
	08:37 PM	0.0	0
5	03:37 AM	6.5	198
	08:15 AM	4.1	125
Th	02:04 PM	7.9	241
	09:24 PM	0.2	6
6	04:36 AM	6.3	192
	09:06 AM	4.3	131
F	02:50 PM	7.6	232
	10:19 PM	0.3	9
7	05:41 AM	6.4	195
	10:17 AM	4.4	134
Sa	03:51 PM	7.2	219
	11:19 PM	0.4	12
8	06:41 AM	6.6	201
	11:42 AM	4.2	128
Su	05:08 PM	6.9	210
◑			
9	12:20 AM	0.5	15
	07:32 AM	7.0	213
M	01:03 PM	3.6	110
	06:33 PM	6.8	207
10	01:19 AM	0.6	18
	08:14 AM	7.6	232
Tu	02:09 PM	2.7	82
	07:52 PM	7.0	213
11	02:12 AM	0.7	21
	08:53 AM	8.2	250
W	03:04 PM	1.6	49
	09:02 PM	7.3	223
12	03:01 AM	0.9	27
	09:30 AM	8.9	271
Th	03:55 PM	0.4	12
	10:05 PM	7.6	232
13	03:48 AM	1.3	40
	10:08 AM	9.6	293
F	04:43 PM	-0.6	-18
	11:04 PM	7.8	238
14	04:34 AM	1.7	52
	10:47 AM	10.1	308
Sa	05:30 PM	-1.4	-43
	11:59 PM	8.0	244
15	05:19 AM	2.1	64
	11:27 AM	10.4	317
Su	06:17 PM	-1.9	-58
●			
16	12:54 AM	8.0	244
	06:05 AM	2.6	79
M	12:08 PM	10.3	314
	07:05 PM	-2.0	-61
17	01:49 AM	7.9	241
	06:54 AM	3.0	91
Tu	12:53 PM	10.1	308
	07:55 PM	-1.8	-55
18	02:46 AM	7.7	235
	07:45 AM	3.5	107
W	01:40 PM	9.5	290
	08:47 PM	-1.4	-43
19	03:45 AM	7.4	226
	08:43 AM	3.8	116
Th	02:31 PM	8.8	268
	09:41 PM	-0.8	-24
20	04:48 AM	7.3	223
	09:51 AM	4.0	122
F	03:29 PM	7.9	241
	10:39 PM	-0.1	-3
21	05:51 AM	7.3	223
	11:11 AM	3.9	119
Sa	04:37 PM	7.1	216
	11:39 PM	0.5	15
22	06:50 AM	7.4	226
	12:34 PM	3.6	110
Su	05:56 PM	6.5	198
◐			
23	12:37 AM	1.0	30
	07:41 AM	7.6	232
M	01:47 PM	3.0	91
	07:17 PM	6.2	189
24	01:32 AM	1.4	43
	08:23 AM	7.8	238
Tu	02:44 PM	2.4	73
	08:29 PM	6.2	189
25	02:20 AM	1.9	58
	08:59 AM	8.1	247
W	03:30 PM	1.7	52
	09:30 PM	6.3	192
26	03:03 AM	2.2	67
	09:29 AM	8.3	253
Th	04:10 PM	1.0	30
	10:23 PM	6.4	195
27	03:41 AM	2.6	79
	09:58 AM	8.6	262
F	04:45 PM	0.5	15
	11:09 PM	6.6	201
28	04:17 AM	3.0	91
	10:26 AM	8.8	268
Sa	05:19 PM	0.1	3
	11:52 PM	6.8	207
29	04:51 AM	3.3	101
	10:54 AM	8.9	271
Su	05:52 PM	-0.3	-9
30	12:32 AM	6.9	210
	05:26 AM	3.5	107
M	11:24 AM	9.0	274
○	06:26 PM	-0.5	-15

December

	Time	Height (ft)	Height (cm)
1	01:12 AM	7.0	213
	06:01 AM	3.8	116
Tu	11:55 AM	9.0	274
	07:01 PM	-0.6	-18
2	01:54 AM	7.0	213
	06:37 AM	4.0	122
W	12:28 PM	8.9	271
	07:39 PM	-0.6	-18
3	02:37 AM	7.0	213
	07:17 AM	4.1	125
Th	01:05 PM	8.7	265
	08:19 PM	-0.5	-15
4	03:23 AM	6.9	210
	08:03 AM	4.3	131
F	01:46 PM	8.4	256
	09:03 PM	-0.3	-9
5	04:13 AM	6.9	210
	08:58 AM	4.3	131
Sa	02:34 PM	8.0	244
	09:51 PM	-0.1	-3
6	05:03 AM	7.1	216
	10:06 AM	4.2	128
Su	03:34 PM	7.4	226
	10:42 PM	0.3	9
7	05:53 AM	7.4	226
	11:24 AM	3.8	116
M	04:47 PM	6.9	210
	11:35 PM	0.7	21
8	06:40 AM	7.8	238
	12:41 PM	3.1	94
Tu	06:12 PM	6.6	201
◑			
9	12:31 AM	1.1	34
	07:25 AM	8.4	256
W	01:49 PM	2.1	64
	07:37 PM	6.5	198
10	01:27 AM	1.6	49
	08:08 AM	9.0	274
Th	02:48 PM	1.0	30
	08:55 PM	6.7	204
11	02:22 AM	2.1	64
	08:51 AM	9.6	293
F	03:41 PM	-0.1	-3
	10:03 PM	7.0	213
12	03:15 AM	2.5	76
	09:34 AM	10.1	308
Sa	04:31 PM	-1.0	-30
	11:04 PM	7.4	226
13	04:07 AM	2.9	88
	10:18 AM	10.5	320
Su	05:19 PM	-1.7	-52
14	12:00 AM	7.7	235
	04:57 AM	3.1	94
M	11:02 AM	10.6	323
●	06:06 PM	-2.0	-61
15	12:52 AM	7.8	238
	05:48 AM	3.4	104
Tu	11:48 AM	10.5	320
	06:53 PM	-2.0	-61
16	01:42 AM	7.9	241
	06:39 AM	3.5	107
W	12:34 PM	10.1	308
	07:39 PM	-1.7	-52
17	02:32 AM	7.8	238
	07:31 AM	3.6	110
Th	01:22 PM	9.5	290
	08:26 PM	-1.3	-40
18	03:23 AM	7.7	235
	08:27 AM	3.7	113
F	02:11 PM	8.8	268
	09:13 PM	-0.6	-18
19	04:14 AM	7.7	235
	09:29 AM	3.8	116
Sa	03:04 PM	7.9	241
	10:01 PM	0.1	3
20	05:05 AM	7.6	232
	10:37 AM	3.7	113
Su	04:03 PM	7.1	216
	10:49 PM	0.8	24
21	05:54 AM	7.7	235
	11:52 AM	3.4	104
M	05:13 PM	6.3	192
◐	11:38 PM	1.5	46
22	06:41 AM	7.8	238
	01:04 PM	3.0	91
Tu	06:34 PM	5.8	177
23	12:28 AM	2.2	67
	07:23 AM	8.0	244
W	02:07 PM	2.3	70
	07:56 PM	5.7	174
24	01:18 AM	2.8	85
	08:02 AM	8.2	250
Th	02:58 PM	1.7	52
	09:10 PM	5.8	177
25	02:07 AM	3.2	98
	08:38 AM	8.4	256
F	03:42 PM	1.1	34
	10:10 PM	6.1	186
26	02:55 AM	3.6	110
	09:13 AM	8.7	265
Sa	04:21 PM	0.5	15
	11:00 PM	6.4	195
27	03:39 AM	3.8	116
	09:48 AM	8.9	271
Su	04:57 PM	0.0	0
	11:43 PM	6.7	204
28	04:21 AM	4.0	122
	10:23 AM	9.1	277
M	05:33 PM	-0.3	-9
29	12:23 AM	7.0	213
	05:02 AM	4.0	122
Tu	10:59 AM	9.3	283
	06:09 PM	-0.6	-18
30	01:00 AM	7.2	219
	05:42 AM	4.0	122
W	11:36 AM	9.3	283
○	06:45 PM	-0.8	-24
31	01:38 AM	7.3	223
	06:23 AM	4.0	122
Th	12:14 PM	9.3	283
	07:24 PM	-1.0	-30

Monthly tide data taken from Yaquina Bay. Tide height and times will be slightly different depending on your Central Coast location.

Tide Tables are predictions and are least accurate during storms and extreme high and low tide periods.



Beach Safety Tips

Watch out for sneaker waves

Always keep one eye on the ocean so you won't be caught off guard if a bigger wave surges up the beach. These "sneaker waves" are unpredictable, powerful and can easily knock adults off their feet.

Hike like a pro

Be careful on rocks and near cliffs. Rocks can be slippery and cliffs can be unstable due to erosion. Stay on marked trails and don't climb over fences or other barriers. Trails are carefully planned by park rangers and barriers are there to keep you safe.

Watch for falling rocks

Avoid walking along the base of cliffs or eroding bluffs. Chunks of cliff or rocks can fall at any time; areas with overhangs and caves are especially dangerous. Do not dig in cliffs or bluffs.

Maintain a safe campfire

Beach campfires may be started on open sand, away from driftwood or vegetation. Check online for seasonal fire restrictions. Use water to extinguish your fire, not sand. Pour water around the base of the fire pit, not directly on hot coals.

Avoid logs on the beach

Stay away from logs on the beach or in the surf. The logs absorb water like sponges, increasing their weight by up to several tons. The ocean is strong enough to pick up even the heaviest log and roll it over you.

Know the tides

Know when the tide is coming in, especially when exploring tidepools or secluded beaches. Incoming tides can quickly leave you stranded away from shore. Be extra careful during extreme high or low tides and storms.

Swim smart: rip currents

Rip currents are fast-moving water channels that can carry even the strongest swimmers away from shore. If you're ever caught in one, stay calm. A rip current is fast but narrow; swim parallel to the shore to escape it, then swim back to land at an angle.

Oregon State Parks

Information:
800-551-6949

Reservations:
800-452-5687

oregonstateparks.org

Information printed from the National Oceanic and Atmospheric Administration
tidesandcurrents.noaa.gov

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TIDE TABLES
& Beach Safety Tips
2020

OREGON
SOUTH COAST

January

Day	Time (h m)	ft	cm
1 W	04:42 AM	6.8	207
	10:25 AM	3.5	107
	03:55 PM	6.1	186
	10:27 PM	1.4	43
2 Th	05:24 AM	6.8	207
	11:30 AM	3.3	101
	04:58 PM	5.6	171
	11:11 PM	2.0	61
3 F ◐	06:07 AM	7.0	213
	12:37 PM	2.8	85
	06:14 PM	5.2	158
4 Sa	12:00 AM	2.6	79
	06:50 AM	7.2	219
	01:39 PM	2.3	70
	07:34 PM	5.2	158
5 Su	12:54 AM	3.0	91
	07:33 AM	7.4	226
	02:33 PM	1.6	49
	08:49 PM	5.3	162
6 M	01:50 AM	3.4	104
	08:16 AM	7.7	235
	03:21 PM	0.9	27
	09:52 PM	5.7	174
7 Tu	02:44 AM	3.6	110
	08:59 AM	8.1	247
	04:05 PM	0.2	6
	10:44 PM	6.1	186
8 W	03:35 AM	3.7	113
	09:41 AM	8.4	256
	04:47 PM	-0.5	-15
	11:30 PM	6.4	195
9 Th	04:23 AM	3.7	113
	10:24 AM	8.8	268
	05:28 PM	-1.0	-30
10 F ○	12:13 AM	6.7	204
	05:09 AM	3.5	107
	11:08 AM	9.0	274
	06:09 PM	-1.3	-40
11 Sa	12:55 AM	7.0	213
	05:55 AM	3.3	101
	11:52 AM	9.1	277
	06:51 PM	-1.5	-46
12 Su	01:36 AM	7.2	219
	06:43 AM	3.1	94
	12:38 PM	9.0	274
	07:33 PM	-1.5	-46
13 M	02:18 AM	7.4	226
	07:33 AM	2.9	88
	01:27 PM	8.7	265
	08:16 PM	-1.1	-34
14 Tu	03:01 AM	7.5	229
	08:28 AM	2.7	82
	02:20 PM	8.1	247
	09:00 PM	-0.6	-18
15 W	03:46 AM	7.7	235
	09:29 AM	2.5	76
	03:18 PM	7.4	226
	09:46 PM	0.1	3
16 Th	04:33 AM	7.8	238
	10:36 AM	2.2	67
	04:25 PM	6.6	201
	10:35 PM	1.0	30
17 F ◑	05:22 AM	8.0	244
	11:49 AM	1.8	55
	05:43 PM	5.9	180
	11:29 PM	1.9	58
18 Sa	06:14 AM	8.2	250
	01:02 PM	1.3	40
	07:10 PM	5.6	171
19 Su	12:31 AM	2.7	82
	07:09 AM	8.3	253
	02:11 PM	0.7	21
	08:37 PM	5.7	174
20 M	01:37 AM	3.2	98
	08:04 AM	8.4	256
	03:11 PM	0.1	3
	09:52 PM	6.0	183
21 Tu	02:43 AM	3.5	107
	08:57 AM	8.5	259
	04:04 PM	-0.3	-9
	10:51 PM	6.3	192
22 W	03:43 AM	3.6	110
	09:48 AM	8.6	262
	04:51 PM	-0.6	-18
	11:39 PM	6.6	201
23 Th	04:36 AM	3.5	107
	10:35 AM	8.6	262
	05:34 PM	-0.8	-24
24 F ●	12:20 AM	6.8	207
	05:23 AM	3.4	104
	11:19 AM	8.5	259
	06:13 PM	-0.8	-24
25 Sa	12:57 AM	6.9	210
	06:06 AM	3.2	98
	12:00 PM	8.4	256
	06:49 PM	-0.6	-18
26 Su	01:31 AM	7.0	213
	06:47 AM	3.1	94
	12:39 PM	8.1	247
	07:24 PM	-0.4	-12
27 M	02:04 AM	7.0	213
	07:27 AM	3.0	91
	01:17 PM	7.7	235
	07:57 PM	0.0	0
28 Tu	02:37 AM	7.0	213
	08:08 AM	2.9	88
	01:56 PM	7.3	223
	08:30 PM	0.4	12
29 W	03:09 AM	7.0	213
	08:52 AM	2.8	85
	02:37 PM	6.8	207
	09:02 PM	1.0	30
30 Th	03:43 AM	7.0	213
	09:39 AM	2.7	82
	03:23 PM	6.2	189
	09:35 PM	1.6	49
31 F	04:18 AM	7.0	213
	10:33 AM	2.6	79
	04:19 PM	5.7	174
	10:11 PM	2.3	70

February

Day	Time (h m)	ft	cm
1 Sa	04:57 AM	7.0	213
	11:34 AM	2.4	73
	05:28 PM	5.2	158
	10:53 PM	2.9	88
2 Su ◐	05:40 AM	7.1	216
	12:40 PM	2.0	61
	06:52 PM	5.0	152
	11:48 PM	3.5	107
3 M	06:30 AM	7.3	223
	01:45 PM	1.5	46
	08:18 PM	5.2	158
4 Tu	12:56 AM	3.9	119
	07:25 AM	7.5	229
	02:44 PM	0.9	27
	09:29 PM	5.5	168
5 W	02:07 AM	4.0	122
	08:20 AM	7.8	238
	03:35 PM	0.2	6
	10:24 PM	6.0	183
6 Th	03:09 AM	3.8	116
	09:14 AM	8.2	250
	04:22 PM	-0.5	-15
	11:08 PM	6.4	195
7 F	04:04 AM	3.5	107
	10:05 AM	8.6	262
	05:06 PM	-1.0	-30
	11:49 PM	6.8	207
8 Sa	04:55 AM	3.1	94
	10:55 AM	9.0	274
	05:49 PM	-1.4	-43
9 Su ○	12:28 AM	7.2	219
	05:44 AM	2.6	79
	11:44 AM	9.1	277
	06:30 PM	-1.5	-46
10 M	01:06 AM	7.6	232
	06:32 AM	2.1	64
	12:33 PM	9.0	274
	07:11 PM	-1.3	-40
11 Tu	01:45 AM	7.9	241
	07:23 AM	1.7	52
	01:23 PM	8.6	262
	07:52 PM	-0.9	-27
12 W	02:25 AM	8.1	247
	08:15 AM	1.4	43
	02:16 PM	8.0	244
	08:34 PM	-0.1	-3
13 Th	03:06 AM	8.2	250
	09:12 AM	1.2	37
	03:14 PM	7.2	219
	09:17 PM	0.7	21
14 F	03:50 AM	8.3	253
	10:13 AM	1.1	34
	04:19 PM	6.5	198
	10:04 PM	1.7	52
15 Sa ◑	04:39 AM	8.2	250
	11:21 AM	1.0	30
	05:35 PM	5.8	177
	10:59 PM	2.6	79
16 Su	05:33 AM	8.0	244
	12:34 PM	0.8	24
	07:04 PM	5.5	168
17 M	12:05 AM	3.3	101
	06:34 AM	7.9	241
	01:47 PM	0.6	18
	08:34 PM	5.6	171
18 Tu	01:22 AM	3.7	113
	07:38 AM	7.8	238
	02:53 PM	0.3	9
	09:47 PM	6.0	183
19 W	02:37 AM	3.8	116
	08:41 AM	7.8	238
	03:48 PM	0.0	0
	10:40 PM	6.3	192
20 Th	03:39 AM	3.5	107
	09:37 AM	7.9	241
	04:35 PM	-0.2	-6
	11:21 PM	6.6	201
21 F	04:30 AM	3.2	98
	10:26 AM	8.0	244
	05:16 PM	-0.3	-9
	11:56 PM	6.8	207
22 Sa	05:14 AM	2.9	88
	11:10 AM	8.0	244
	05:52 PM	-0.3	-9
23 Su ●	12:27 AM	6.9	210
	05:53 AM	2.5	76
	11:49 AM	7.9	241
	06:24 PM	-0.1	-3
24 M	12:55 AM	7.0	213
	06:29 AM	2.2	67
	12:27 PM	7.7	235
	06:55 PM	0.1	3
25 Tu	01:23 AM	7.1	216
	07:06 AM	2.0	61
	01:03 PM	7.5	229
	07:25 PM	0.4	12
26 W	01:51 AM	7.2	219
	07:42 AM	1.9	58
	01:40 PM	7.1	216
	07:53 PM	0.9	27
27 Th	02:18 AM	7.2	219
	08:20 AM	1.8	55
	02:19 PM	6.7	204
	08:22 PM	1.5	46
28 F	02:47 AM	7.2	219
	09:00 AM	1.7	52
	03:03 PM	6.2	189
	08:51 PM	2.1	64
29 Sa	03:17 AM	7.2	219
	09:46 AM	1.7	52
	03:54 PM	5.7	174
	09:24 PM	2.7	82

March

Day	Time (h m)	ft	cm
1 Su	03:52 AM	7.1	216
	10:40 AM	1.7	52
	04:58 PM	5.3	162
	10:03 PM	3.3	101
2 M ◐	04:35 AM	7.0	213
	11:44 AM	1.5	46
	06:19 PM	5.1	155
	10:58 PM	3.8	116
3 Tu	05:30 AM	7.0	213
	12:55 PM	1.3	40
	07:47 PM	5.2	158
4 W	12:18 AM	4.1	125
	06:38 AM	7.1	216
	02:03 PM	0.8	24
	09:00 PM	5.5	168
5 Th	01:42 AM	4.0	122
	07:48 AM	7.4	226
	03:02 PM	0.2	6
	09:53 PM	6.0	183
6 F	02:52 AM	3.6	110
	08:52 AM	7.8	238
	03:53 PM	-0.4	-12
	10:36 PM	6.5	198
7 Sa	03:50 AM	2.9	88
	09:50 AM	8.2	250
	04:39 PM	-0.8	-24
	11:15 PM	7.0	213
8 Su	05:42 AM	2.2	67
	11:44 AM	8.6	262
	06:22 PM	-1.1	-34
9 M ○	12:53 AM	7.6	232
	06:31 AM	1.4	43
	12:36 PM	8.7	265
	07:04 PM	-1.0	-30
10 Tu	01:30 AM	8.0	244
	07:20 AM	0.7	21
	01:27 PM	8.6	262
	07:44 PM	-0.7	-21
11 W	02:08 AM	8.4	256
	08:09 AM	0.2	6
	02:18 PM	8.2	250
	08:25 PM	-0.1	-3
12 Th	02:46 AM	8.6	262
	08:59 AM	-0.1	-3
	03:12 PM	7.7	235
	09:07 PM	0.7	21
13 F	03:27 AM	8.6	262
	09:52 AM	-0.1	-3
	04:09 PM	7.0	213
	09:50 PM	1.6	49
14 Sa	04:10 AM	8.4	256
	10:49 AM	0.0	0
	05:13 PM	6.4	195
	10:39 PM	2.4	73
15 Su	04:58 AM	8.0	244
	11:52 AM	0.2	6
	06:28 PM	5.9	180
	11:37 PM	3.2	98
16 M ◑	05:55 AM	7.6	232
	01:02 PM	0.5	15
	07:54 PM	5.6	171
17 Tu	12:51 AM	3.7	113
	07:02 AM	7.2	219
	02:16 PM	0.6	18
	09:18 PM	5.7	174
18 W	02:17 AM	3.8	116
	08:16 AM	7.0	213
	03:25 PM	0.5	15
	10:23 PM	6.0	183
19 Th	03:33 AM	3.5	107
	09:25 AM	7.0	213
	04:22 PM	0.4	12
	11:11 PM	6.3	192
20 F	04:32 AM	3.1	94
	10:25 AM	7.1	216
	05:09 PM	0.3	9
	11:47 PM	6.6	201
21 Sa	05:19 AM	2.6	79
	11:14 AM	7.2	219
	05:47 PM	0.3	9
22 Su	12:18 AM	6.8	207
	05:59 AM	2.1	64
	11:57 AM	7.3	223
	06:21 PM	0.4	12
23 M	12:46 AM	7.0	213
	06:35 AM	1.6	49
	12:36 PM	7.3	223
	06:52 PM	0.5	15
24 Tu ●	01:13 AM	7.2	219
	07:09 AM	1.3	40
	01:14 PM	7.2	219
	07:21 PM	0.8	24
25 W	01:38 AM	7.3	223
	07:43 AM	1.0	30
	01:51 PM	7.0	213
	07:50 PM	1.2	37
26 Th	02:04 AM	7.4	226
	08:17 AM	0.8	24
	02:28 PM	6.8	207
	08:18 PM	1.6	49
27 F	02:29 AM	7.4	226
	08:51 AM	0.7	21
	03:08 PM	6.5	198
	08:46 PM	2.1	64
28 Sa	02:56 AM	7.3	223
	09:29 AM	0.6	18
	03:51 PM	6.1	186
	09:16 PM	2.6	79
29 Su	03:25 AM	7.3	223
	10:11 AM	0.7	21
	04:41 PM	5.8	177
	09:50 PM	3.1	94
30 M	04:00 AM	7.1	216
	11:01 AM	0.8	24
	05:43 PM	5.4	165
	10:32 PM	3.6	110
31 Tu	04:44 AM	6.9	210
	12:01 PM	0.8	24
	06:58 PM	5.3	162
	11:34 PM	3.9	119

April

Day	Time (h m)	ft	cm
1 W ◐	05:45 AM	6.8	207
	01:11 PM	0.8	24
	08:17 PM	5.4	165
2 Th	01:01 AM	4.0	122
	07:02 AM	6.7	204
	02:22 PM	0.5	15
	09:23 PM	5.7	174
3 F	02:28 AM	3.6	110
	08:22 AM	6.9	210
	03:24 PM	0.2	6
	10:14 PM	6.2	189
4 Sa	03:39 AM	3.0	91
	09:33 AM	7.2	219
	04:18 PM	-0.2	-6
	10:57 PM	6.8	207
5 Su	04:37 AM	2.0	61
	10:36 AM	7.6	232
	05:06 PM	-0.4	-12
	11:36 PM	7.4	226
6 M	05:28 AM	1.1	34
	11:34 AM	7.9	241
	05:50 PM	-0.4	-12
7 Tu	12:14 AM	8.0	244
	06:17 AM	0.1	3
	12:28 PM	8.0	244
	06:33 PM	-0.1	-3
8 W ○	12:51 AM	8.5	259
	07:05 AM	-0.6	-18
	01:21 PM	7.9	241
	07:15 PM	0.3	9
9 Th	01:30 AM	8.8	268
	07:53 AM	-1.1	-34
	02:14 PM	7.7	235
	07:57 PM	0.9	27
10 F	02:09 AM	8.8	268
	08:41 AM	-1.3	-40
	03:08 PM	7.3	223
	08:41 PM	1.6	49
11 Sa	02:50 AM	8.6	262
	09:31 AM	-1.1	-34
	04:05 PM	6.8	207
	09:27 PM	2.3	70
12 Su	03:34 AM	8.2	250
	10:25 AM	-0.8	-24
	05:07 PM	6.3	192
	10:19 PM	3.0	91
13 M	04:23 AM	7.7	235
	11:23 AM	-0.3	-9
	06:17 PM	6.0	183
	11:22 PM	3.5	107
14 Tu ◑	05:21 AM	7.1	216
	12:29 PM	0.2	6
	07:32 PM	5.8	177
15 W	12:41 AM	3.7	113
	06:31 AM	6.5	198
	01:38 PM	0.6	18
	08:45 PM	5.9	180
16 Th	02:07 AM	3.5	107
	07:48 AM	6.2	189
	02:45 PM	0.7	21
	09:43 PM	6.1	186
17 F	03:19 AM	3.1	94
	09:01 AM	6.1	186
	03:41 PM	0.8	24
	10:27 PM	6.4	195
18 Sa	04:15 AM	2.5	76
	10:04 AM	6.2	189
	04:28 PM	0.9	27
	11:02 PM	6.6	201
19 Su	04:59 AM	1.9	58
	10:55 AM	6.3	192
	05:07 PM	0.9	27
	11:32 PM	6.9	210
20 M	05:38 AM	1.3	40
	11:41 AM	6.5	198
	05:42 PM	1.1	34
21 Tu	12:00 AM	7.1	216
	06:13 AM	0.8	24
	12:22 PM	6.5	198
	06:14 PM	1.3	40
22 W	12:26 AM	7.3	223
	06:46 AM	0.3	9
	01:01 PM	6.6	201
	06:44 PM	1.6	49
23 Th ●	12:53 AM	7.5	229
	07:20 AM	0.0	0
	01:40 PM	6.5	198
	07:15 PM	2.0	61
24 F	01:19 AM	7.5	229
	07:53 AM	-0.2	-6
	02:19 PM	6.4	195
	07:45 PM	2.3	70
25 Sa	01:46 AM	7.6	232
	08:28 AM	-0.3	-9
	03:01 PM	6.3	192
	08:16 PM	2.7	82
26 Su	02:15 AM	7.5	229
	09:06 AM	-0.3	-9
	03:46 PM	6.0	183
	08:50 PM	3.1	94
27 M	02:47 AM	7.4	226
	09:47 AM	-0.3	-9
	04:36 PM	5.8	177
	09:30 PM	3.4	104
28 Tu	03:25 AM	7.1	216
	10:36 AM	-0.1	-3
	05:35 PM	5.6	171
	10:20 PM	3.7	113
29 W	04:14 AM	6.9	210
	11:32 AM	0.1	3
	06:40 PM	5.6	171
	11:30 PM	3.8	116
30 Th ◐	05:18 AM	6.6	201
	12:35 PM	0.2	6
	07:45 PM	5.7	174

May

Day	Time (h m)	ft	cm
1 F	12:55 AM	3.6	110
	06:37 AM	6.3	192
	01:41 PM	0.2	6
	08:42 PM	6.1	186
2 Sa	02:17 AM	3.0	91
	08:00 AM	6.3	192
	02:43 PM	0.2	6
	09:31 PM	6.7	204
3 Su	03:25 AM	2.1	64
	09:17 AM	6.5	198
	03:38 PM	0.2	6
	10:15 PM	7.3	223
4 M	04:22 AM	1.0	30
	10:24 AM	6.7	204
	04:29 PM	0.4	12
	10:55 PM	7.9	241
5 Tu	05:14 AM	0.0	0
	11:26 AM	7.0	213
	05:16 PM	0.6	18
	11:35 PM	8.4	256
6 W	06:03 AM	-0.9	-27
	12:23 PM	7.1	216
	06:02 PM	1.0	30
7 Th ○	12:15 AM	8.8	268
	06:50 AM	-1.6	-49
	01:17 PM	7.2	219
	06:47 PM	1.4	43
8 F	12:55 AM	8.9	271
	07:37 AM	-1.9	-58
	02:10 PM	7.1	216
	07:32 PM	1.9	58
9 Sa	01:36 AM	8.8	268
	08:24 AM	-2.0	-61
	03:04 PM	6.9	210
	08:19 PM	2.4	73
10 Su	02:19 AM	8.5	259
	09:12 AM	-1.7	-52
	03:58 PM	6.6	201
	09:08 PM	2.8	85
11 M	03:04 AM	8.0	244
	10:02 AM	-1.2	-37
	04:56 PM	6.3	192
	10:03 PM	3.2	98
12 Tu	03:54 AM	7.3	223
	10:56 AM	-0.6	-18
	05:56 PM	6.1	186
	11:07 PM	3.4	104
13 W	04:51 AM	6.6	201
	11:53 AM	0.0	0
	06:59 PM	6.0	183
14 Th ◑	12:22 AM	3.4	104
	05:57 AM	6.0	183
	12:53 PM	0.5	15
	07:58 PM	6.0	183
15 F	01:41 AM	3.2	98
	07:11 AM	5.6	171
	01:52 PM	0.8	24
	08:50 PM	6.2	189
16 Sa	02:50 AM	2.6	79
	08:25 AM	5.4	165
	02:47 PM	1.1	34
	09:32 PM	6.4	195
17 Su	03:46 AM	2.0	61
	09:32 AM	5.4	165
	03:35 PM	1.4	43
	10:08 PM	6.7	204
18 M	04:31 AM	1.4	43
	10:30 AM	5.5	168
	04:17 PM	1.6	49
	10:40 PM	7.0	213
19 Tu	05:11 AM	0.7	21
	11:20 AM	5.7	174
	04:56 PM	1.9	58
	11:11 PM	7.2	219
20 W	05:47 AM	0.2	6
	12:06 PM	5.9	180
	05:32 PM	2.1	64
	11:41 PM	7.5	229
21 Th	06:22 AM	-0.3	-9
	12:49 PM	6.0	183
	06:07 PM	2.4	73
22 F ●	12:10 AM	7.6	232
	06:57 AM	-0.7	-21
	01:30 PM	6.1	186
	06:42 PM	2.6	79
23 Sa	12:41 AM	7.7	235
	07:32 AM	-0.9	-27
	02:12 PM	6.2	189
	07:17 PM	2.9	88
24 Su	01:12 AM	7.7	235
	08:09 AM	-1.1	-34
	02:55 PM	6.1	186
	07:54 PM	3.1	94
25 M	01:46 AM	7.6	232
	08:48 AM	-1.1	-34
	03:40 PM	6.0	183
	08:34 PM	3.3	101
26 Tu	02:24 AM	7.5	229
	09:31 AM	-1.0	-30
	04:28 PM	5.9	180
	09:21 PM	3.4	104
27 W	03:08 AM	7.2	219
	10:17 AM	-0.8	-24
	05:20 PM	5.9	180
	10:18 PM	3.4	104
28 Th	04:00 AM	6.8	207
	11:09 AM	-0.6	-18
	06:15 PM	6.0	183
	11:28 PM	3.3	101
29 F	05:05 AM	6.4	195
	12:04 PM	-0.3	-9
	07:09 PM	6.3	192
30 Sa ◐	12:46 AM	2.9	88
	06:22 AM	6.0	183
	01:03 PM	0.1	3
	08:00 PM	6.7	204
31 Su	02:02 AM	2.2	67
	07:44 AM	5.7	174
	02:01 PM	0.5	15
	08:48 PM	7.2	219

June

Day	Time (h m)	ft	cm
1 M	03:09 AM	1.2	37
	09:04 AM	5.7	174
	02:58 PM	0.9	27
	09:34 PM	7.7	235
2 Tu	04:07 AM	0.2	6
	10:16 AM	5.9	180
	03:53 PM	1.3	40
	10:18 PM	8.2	250
3 W	05:00 AM	-0.8	-24
	11:21 AM	6.2	189
	04:45 PM	1.6	49
	11:01 PM	8.6	262
4 Th	05:49 AM	-1.5	-46
	12:20 PM	6.4	195
	05:35 PM	2.0	61
	11:44 PM	8.8	268
5 F ○	06:37 AM	-2.0	-61
	01:15 PM	6.6	201
	06:24 PM	2.3	70
6 Sa	12:28 AM	8.8	268
	07:23 AM	-2.2	-67
	02:06 PM	6.6	201
	07:12 PM	2.5	76
7 Su	01:11 AM	8.6	262
	08:08 AM	-2.1	-64
	02:56 PM	6.6	201
	08:01 PM	2.7	82
8 M	01:56 AM	8.2	250
	08:54 AM	-1.8	-55
	03:45 PM	6.5	198
	08:52 PM	2.9	88
9 Tu	02:42 AM	7.7	235
	09:40 AM	-1.3	-40
	04:35 PM	6.3	192
	09:45 PM	3.1	94
10 W	03:30 AM	7.0	213
	10:26 AM	-0.8	-24
	05:25 PM	6.2	189
	10:44 PM	3.1	94
11 Th	04:22 AM	6.4	195
	11:14 AM	-0.2	-6
	06:15 PM	6.1	186
	11:50 PM	3.0	91
12 F	05:21 AM	5.7	174
	12:03 PM	0.4	12
	07:03 PM	6.2	189
13 Sa ◑	01:00 AM	2.8	85
	06:27 AM	5.2	158
	12:53 PM	1.0	30
	07:49 PM	6.3	192
14 Su	02:07 AM	2.3	70
	07:40 AM	4.9	149
	01:44 PM	1.5	46
	08:31 PM	6.5	198
15 M	03:06 AM	1.7	52
	08:53 AM	4.8	146
	02:34 PM	1.9	58
	09:10 PM	6.7	204
16 Tu	03:56 AM	1.1	34
	10:00 AM	4.9	149
	03:23 PM	2.3	70
	09:47 PM	7.0	213
17 W	04:39 AM	0.4	12
	10:59 AM	5.1	155
	04:09 PM	2.5	76
	10:23 PM	7.3	223
18 Th	05:19 AM	-0.1	-3
	11:49 AM	5.4	165
	04:52 PM	2.8	85
	10:59 PM	7.5	229
19 F	05:57 AM	-0.7	-21
	12:35 PM	5.7	174
	05:34 PM	2.9	88
	11:35 PM	7.7	235
20 Sa	06:35 AM	-1.1	-34
	01:18 PM	5.9	180
	06:14 PM	3.0	91
21 Su ●	12:12 AM	7.8	238
	07:13 AM	-1.4	-43
	02:00 PM	6.0	183
	06:55 PM	3.0	91
22 M	12:50 AM	7.9	241
	07:52 AM	-1.6	-49
	02:41 PM	6.1	186
	07:37 PM	3.0	91
23 Tu	01:30 AM	7.9	241
	08:32 AM	-1.6	-49
	03:24 PM	6.2	189
	08:23 PM	3.0	91
24 W	02:13 AM	7.7	235
	09:14 AM	-1.5	-46
	04:08 PM	6.3	192
	09:14 PM	2.9	88
25 Th	03:01 AM	7.3	223
	09:58 AM	-1.3	-40
	04:53 PM	6.4	195
	10:12 PM	2.8	85
26 F	03:55 AM	6.8	207
	10:44 AM	-0.8	-24
	05:40 PM	6.6	201
	11:18 PM	2.5	76
27 Sa	04:58 AM	6.2	189
	11:34 AM	-0.3	-9
	06:29 PM	6.8	207
28 Su ◐	12:30 AM	2.0	61
	06:12 AM	5.7	174
	12:26 PM	0.4	12
	07:18 PM	7.2	219
29 M	01:43 AM	1.3	40
	07:34 AM	5.3	162
	01:23 PM	1.1	34
	08:07 PM	7.5	229
30 Tu	02:51 AM	0.5	15
	08:57 AM	5.2	158
	02:23 PM	1.7	52
	08:57 PM	7.9	241

July

Day	Time (h m)	ft	cm
1 W	03:52 AM	-0.3	-9
	10:14 AM	5.4	165
	03:23 PM	2.2	67
	09:47 PM	8.2	250
2 Th	04:47 AM	-1.1	-34
	11:21 AM	5.7	174
	04:22 PM	2.5	76
	10:35 PM	8.4	256
3 F	05:37 AM	-1.6	-49
	12:19 PM	6.0	183
	05:17 PM	2.6	79
	11:23 PM	8.5	259
4 Sa	06:24 AM	-1.9	-58
	01:10 PM	6.2	189
	06:09 PM	2.7	82
5 Su ○	12:10 AM	8.4	256
	07:09 AM	-2.0	-61
	01:56 PM	6.4	195
	06:59 PM	2.7	82
6 M	12:55 AM	8.2	250
	07:52 AM	-1.9	-58
	02:40 PM	6.4	195
	07:46 PM	2.7	82
7 Tu	01:40 AM	7.9	241
	08:33 AM	-1.6	-49
	03:21 PM	6.4	195
	08:34 PM	2.6	79
8 W	02:24 AM	7.4	226
	09:14 AM	-1.2	-37
	04:02 PM	6.4	195
	09:22 PM	2.6	79
9 Th	03:08 AM	6.9	210
	09:53 AM	-0.6	-18
	04:42 PM	6.3	192
	10:13 PM	2.6	79
10 F	03:54 AM	6.3	192
	10:32 AM	0.0	0
	05:22 PM	6.3	192
	11:08 PM	2.5	76
11 Sa	04:46 AM	5.7	174
	11:12 AM	0.6	18
	06:03 PM	6.3	192
12 Su ◑	12:09 AM	2.3	70
	05:45 AM	5.1	155
	11:54 AM	1.3	40
	06:44 PM	6.4	195
13 M	01:13 AM	2.0	61
	06:54 AM	4.7	143
	12:40 PM	1.9	58
	07:27 PM	6.5	198
14 Tu	02:15 AM	1.6	49
	08:12 AM	4.5	137
	01:32 PM	2.4	73
	08:10 PM	6.7	204
15 W	03:12 AM	1.0	30
	09:29 AM	4.6	140
	02:28 PM	2.8	85
	08:55 PM	6.9	210
16 Th	04:03 AM	0.4	12
	10:35 AM	4.9	149
	03:25 PM	3.1	94
	09:40 PM	7.2	219
17 F	04:49 AM	-0.2	-6
	11:30 AM	5.2	158
	04:18 PM	3.2	98
	10:24 PM	7.4	226
18 Sa	05:31 AM	-0.7	-21
	12:16 PM	5.6	171
	05:07 PM	3.1	94
	11:08 PM	7.7	235
19 Su	06:12 AM	-1.2	-37
	12:58 PM	5.9	180
	05:53 PM	3.0	91
	11:51 PM	8.0	244
20 M ●	06:52 AM	-1.6	-49
	01:38 PM	6.1	186
	06:38 PM	2.8	85
21 Tu	12:35 AM	8.1	247
	07:32 AM	-1.8	-55
	02:17 PM	6.4	195
	07:24 PM	2.5	76
22 W	01:20 AM	8.1	247
	08:12 AM	-1.8	-55
	02:56 PM	6.6	201
	08:12 PM	2.2	67
23 Th	02:07 AM	7.9	241
	08:53 AM	-1.6	-49
	03:36 PM	6.8	207
	09:03 PM	2.0	61
24 F	02:56 AM	7.5	229
	09:34 AM	-1.2	-37
	04:17 PM	7.0	213
	09:59 PM	1.7	52
25 Sa	03:51 AM	6.9	210
	10:17 AM	-0.5	-15
	05:00 PM	7.2	219
	11:01 PM	1.4	43
26 Su	04:54 AM	6.2	189
	11:03 AM	0.3	9
	05:47 PM	7.4	226
27 M ◐	12:09 AM	1.1	34
	06:06 AM	5.5	168
	11:54 AM	1.1	34
	06:37 PM	7.5	229
28 Tu	01:20 AM	0.6	18
	07:29 AM	5.1	155
	12:52 PM	1.9	58
	07:31 PM	7.7	235
29 W	02:31 AM	0.1	3
	08:56 AM	5.0	152
	01:59 PM	2.5	76
	08:27 PM	7.8	238
30 Th	03:36 AM	-0.4	-12
	10:15 AM	5.3	162
	03:08 PM	2.9	88
	09:25 PM	7.9	241
31 F	04:34 AM	-0.9	-27
	11:20 AM	5.6	171
	04:13 PM	3.0	91
	10:20 PM	8.0	244

August

Day	Time (h m)	ft	cm
1 Sa	05:25 AM	-1.2	-37
	12:12 PM	6.0	183
	05:10 PM	2.8	85
	11:12 PM	8.0	244
2 Su	06:11 AM	-1.4	-43
	12:56 PM	6.2	189
	06:01 PM	2.6	79
3 M ○	12:00 AM	8.0	244
	06:53 AM	-1.4	-43
	01:36 PM	6.4	195
	06:48 PM	2.4	73
4 Tu	12:44 AM	7.9	241
	07:32 AM	-1.3	-40
	02:12 PM	6.5	198
	07:31 PM	2.2	67
5 W	01:26 AM	7.6	232
	08:08 AM	-1.0	-30
	02:46 PM	6.5	198
	08:13 PM	2.1	64
6 Th	02:07 AM	7.3	223
	08:43 AM	-0.6	-18
	03:19 PM	6.5	198
	08:55 PM	2.0	61
7 F	02:48 AM	6.8	207
	09:16 AM	-0.1	-3
	03:52 PM	6.5	198
	09:39 PM	1.9	58
8 Sa	03:30 AM	6.3	192
	09:49 AM	0.5	15
	04:25 PM	6.5	198
	10:25 PM	1.8	55
9 Su	04:16 AM	5.7	174
	10:23 AM	1.1	34
	04:59 PM	6.5	198
	11:16 PM	1.8	55
10 M	05:10 AM	5.2	158
	10:59 AM	1.8	55
	05:37 PM	6.5	198
11 Tu ◑	12:14 AM	1.7	52
	06:15 AM	4.8	146
	11:40 AM	2.5	76
	06:20 PM	6.5	198
12 W	01:18 AM	1.4	43
	07:34 AM	4.6	140
	12:34 PM	3.0	91
	07:10 PM	6.5	198
13 Th	02:23 AM	1.1	34
	08:58 AM	4.6	140
	01:41 PM	3.4	104
	08:05 PM	6.7	204
14 F	03:23 AM	0.6	18
	10:10 AM	4.9	149
	02:51 PM	3.5	107
	09:02 PM	7.0	213
15 Sa	04:16 AM	0.0	0
	11:04 AM	5.3	162
	03:53 PM	3.4	104
	09:56 PM	7.3	223
16 Su	05:03 AM	-0.5	-15
	11:48 AM	5.7	174
	04:47 PM	3.0	91
	10:47 PM	7.7	235
17 M	05:46 AM	-1.1	-34
	12:28 PM	6.1	186
	05:36 PM	2.6	79
	11:36 PM	8.0	244
18 Tu	06:27 AM	-1.4	-43
	01:05 PM	6.5	198
	06:23 PM	2.1	64
19 W ●	12:23 AM	8.2	250
	07:07 AM	-1.6	-49
	01:41 PM	6.9	210
	07:10 PM	1.6	49
20 Th	01:11 AM	8.2	250
	07:47 AM	-1.5	-46
	02:18 PM	7.2	219
	07:58 PM	1.1	34
21 F	02:00 AM	8.0	244
	08:26 AM	-1.1	-34
	02:56 PM	7.5	229
	08:48 PM	0.7	21
22 Sa	02:52 AM	7.5	229
	09:07 AM	-0.5	-15
	03:36 PM	7.7	235
	09:42 PM	0.5	15
23 Su	03:48 AM	6.9	210
	09:49 AM	0.3	9
	04:18 PM	7.8	238
	10:40 PM	0.3	9
24 M	04:50 AM	6.2	189
	10:35 AM	1.2	37
	05:05 PM	7.8	238
	11:45 PM	0.3	9
25 Tu ◐	06:03 AM	5.6	171
	11:28 AM	2.1	64
	05:58 PM	7.6	232
26 W	12:55 AM	0.2	6
	07:27 AM	5.3	162
	12:32 PM	2.8	85
	06:58 PM	7.5	229
27 Th	02:08 AM	0.0	0
	08:55 AM	5.3	162
	01:49 PM	3.2	98
	08:05 PM	7.4	226
28 F	03:18 AM	-0.2	-6
	10:11 AM	5.6	171
	03:07 PM	3.3	101
	09:11 PM	7.4	226
29 Sa	04:18 AM	-0.4	-12
	11:08 AM	5.9	180
	04:13 PM	3.0	91
	10:12 PM	7.5	229
30 Su	05:09 AM	-0.6	-18
	11:53 AM	6.2	189
	05:07 PM	2.6	79
	11:05 PM	7.6	232
31 M	05:52 AM	-0.7	-21
	12:31 PM	6.5	198
	05:54 PM	2.2	67
	11:52 PM	7.6	232

September

Day	Time (h m)	ft	cm
1 Tu	06:31 AM	-0.6	-18
	01:04 PM	6.7	204
	06:35 PM	1.9	58
2 W ○	12:34 AM	7.5	229
	07:05 AM	-0.5	-15
	01:34 PM	6.8	207
	07:13 PM	1.6	49
3 Th	01:14 AM	7.3	223
	07:37 AM	-0.2	-6
	02:03 PM	6.9	210
	07:50 PM	1.4	43
4 F	01:52 AM	7.1	216
	08:08 AM	0.3	9
	02:31 PM	6.9	210
	08:27 PM	1.2	37
5 Sa	02:30 AM	6.7	204
	08:38 AM	0.8	24
	02:58 PM	6.9	210
	09:05 PM	1.1	34
6 Su	03:10 AM	6.3	192
	09:08 AM	1.3	40
	03:27 PM	6.9	210
	09:45 PM	1.1	34
7 M	03:54 AM	5.9	180
	09:38 AM	2.0	61
	03:57 PM	6.8	207
	10:29 PM	1.2	37
8 Tu	04:45 AM	5.5	168
	10:11 AM	2.6	79
	04:32 PM	6.7	204
	11:21 PM	1.2	37
9 W	05:47 AM	5.1	155
	10:51 AM	3.1	94
	05:14 PM	6.5	198
10 Th ◑	12:22 AM	1.2	37
	07:05 AM	4.9	149
	11:47 AM	3.6	110
	06:10 PM	6.5	198
11 F	01:32 AM	1.1	34
	08:29 AM	5.0	152
	01:07 PM	3.8	116
	07:18 PM	6.5	198
12 Sa	02:40 AM	0.7	21
	09:39 AM	5.3	162
	02:29 PM	3.7	113
	08:28 PM	6.7	204
13 Su	03:39 AM	0.3	9
	10:31 AM	5.7	174
	03:36 PM	3.3	101
	09:32 PM	7.1	216
14 M	04:29 AM	-0.2	-6
	11:12 AM	6.2	189
	04:31 PM	2.7	82
	10:29 PM	7.6	232
15 Tu	05:14 AM	-0.6	-18
	11:49 AM	6.7	204
	05:21 PM	1.9	58
	11:22 PM	7.9	241
16 W	05:56 AM	-0.9	-27
	12:25 PM	7.2	219
	06:08 PM	1.2	37
17 Th ●	12:12 AM	8.1	247
	06:37 AM	-0.9	-27
	01:01 PM	7.7	235
	06:55 PM	0.5	15
18 F	01:03 AM	8.1	247
	07:17 AM	-0.6	-18
	01:38 PM	8.1	247
	07:42 PM	-0.1	-3
19 Sa	01:54 AM	7.9	241
	07:57 AM	-0.1	-3
	02:15 PM	8.3	253
	08:31 PM	-0.5	-15
20 Su	02:47 AM	7.5	229
	08:38 AM	0.7	21
	02:55 PM	8.4	256
	09:23 PM	-0.6	-18
21 M	03:44 AM	7.0	213
	09:22 AM	1.5	46
	03:38 PM	8.3	253
	10:18 PM	-0.5	-15
22 Tu	04:48 AM	6.4	195
	10:11 AM	2.3	70
	04:26 PM	8.0	244
	11:20 PM	-0.3	-9
23 W	06:00 AM	5.9	180
	11:09 AM	3.0	91
	05:23 PM	7.6	232
24 Th ◐	12:29 AM	0.0	0
	07:22 AM	5.7	174
	12:23 PM	3.5	107
	06:30 PM	7.2	219
25 F	01:42 AM	0.2	6
	08:44 AM	5.8	177
	01:49 PM	3.6	110
	07:46 PM	6.9	210
26 Sa	02:53 AM	0.2	6
	09:51 AM	6.1	186
	03:08 PM	3.3	101
	08:59 PM	6.9	210
27 Su	03:53 AM	0.2	6
	10:42 AM	6.4	195
	04:10 PM	2.8	85
	10:02 PM	6.9	210
28 M	04:42 AM	0.2	6
	11:21 AM	6.7	204
	05:00 PM	2.3	70
	10:55 PM	7.1	216
29 Tu	05:24 AM	0.2	6
	11:54 AM	6.9	210
	05:41 PM	1.7	52
	11:41 PM	7.1	216
30 W	05:59 AM	0.4	12
	12:23 PM	7.1	216
	06:19 PM	1.3	40

October

	Time	Height (ft)	Height (cm)
1 Th ○	12:22 AM	7.1	216
	06:32 AM	0.6	18
	12:51 PM	7.2	219
	06:53 PM	0.9	27
2 F	01:01 AM	7.0	213
	07:02 AM	0.9	27
	01:17 PM	7.4	226
	07:27 PM	0.6	18
3 Sa	01:39 AM	6.9	210
	07:31 AM	1.3	40
	01:42 PM	7.4	226
	08:01 PM	0.5	15
4 Su	02:17 AM	6.7	204
	08:00 AM	1.8	55
	02:08 PM	7.4	226
	08:36 PM	0.4	12
5 M	02:57 AM	6.4	195
	08:30 AM	2.3	70
	02:35 PM	7.3	223
	09:12 PM	0.5	15
6 Tu	03:40 AM	6.1	186
	09:00 AM	2.9	88
	03:04 PM	7.2	219
	09:53 PM	0.6	18
7 W	04:30 AM	5.8	177
	09:34 AM	3.3	101
	03:37 PM	7.0	213
	10:41 PM	0.7	21
8 Th	05:30 AM	5.5	168
	10:17 AM	3.8	116
	04:20 PM	6.7	204
	11:38 PM	0.9	27
9 F	06:42 AM	5.4	165
	11:19 AM	4.1	125
	05:19 PM	6.5	198
10 Sa ◑	12:45 AM	0.9	27
	07:58 AM	5.5	168
	12:46 PM	4.1	125
	06:36 PM	6.4	195
11 Su	01:54 AM	0.8	24
	09:01 AM	5.8	177
	02:12 PM	3.8	116
	07:57 PM	6.5	198
12 M	02:57 AM	0.5	15
	09:49 AM	6.3	192
	03:20 PM	3.1	94
	09:09 PM	6.8	207
13 Tu	03:50 AM	0.2	6
	10:30 AM	6.8	207
	04:15 PM	2.2	67
	10:12 PM	7.2	219
14 W	04:37 AM	0.0	0
	11:08 AM	7.5	229
	05:05 PM	1.2	37
	11:09 PM	7.6	232
15 Th	05:21 AM	0.1	3
	11:44 AM	8.1	247
	05:53 PM	0.2	6
16 F ●	12:03 AM	7.8	238
	06:04 AM	0.3	9
	12:21 PM	8.6	262
	06:39 PM	-0.6	-18
17 Sa	12:56 AM	7.9	241
	06:46 AM	0.7	21
	12:59 PM	8.9	271
	07:26 PM	-1.2	-37
18 Su	01:49 AM	7.7	235
	07:28 AM	1.2	37
	01:38 PM	9.1	277
	08:14 PM	-1.4	-43
19 M	02:43 AM	7.4	226
	08:12 AM	1.9	58
	02:19 PM	9.0	274
	09:04 PM	-1.4	-43
20 Tu	03:41 AM	7.1	216
	08:59 AM	2.5	76
	03:04 PM	8.6	262
	09:57 PM	-1.0	-30
21 W	04:43 AM	6.7	204
	09:52 AM	3.2	98
	03:54 PM	8.1	247
	10:55 PM	-0.5	-15
22 Th	05:51 AM	6.3	192
	10:56 AM	3.6	110
	04:53 PM	7.4	226
23 F ◐	12:00 AM	0.0	0
	07:05 AM	6.2	189
	12:16 PM	3.8	116
	06:03 PM	6.9	210
24 Sa	01:09 AM	0.4	12
	08:17 AM	6.3	192
	01:43 PM	3.7	113
	07:22 PM	6.5	198
25 Su	02:16 AM	0.7	21
	09:16 AM	6.5	198
	02:59 PM	3.2	98
	08:39 PM	6.3	192
26 M	03:15 AM	0.9	27
	10:02 AM	6.8	207
	03:57 PM	2.5	76
	09:45 PM	6.4	195
27 Tu	04:04 AM	1.0	30
	10:39 AM	7.1	216
	04:44 PM	1.9	58
	10:40 PM	6.5	198
28 W	04:45 AM	1.2	37
	11:11 AM	7.3	223
	05:23 PM	1.3	40
	11:27 PM	6.6	201
29 Th	05:21 AM	1.5	46
	11:39 AM	7.6	232
	05:59 PM	0.8	24
30 F	12:09 AM	6.7	204
	05:54 AM	1.7	52
	12:06 PM	7.7	235
	06:32 PM	0.4	12
31 Sa ○	12:49 AM	6.7	204
	06:26 AM	2.1	64
	12:33 PM	7.9	241
	07:05 PM	0.1	3

November

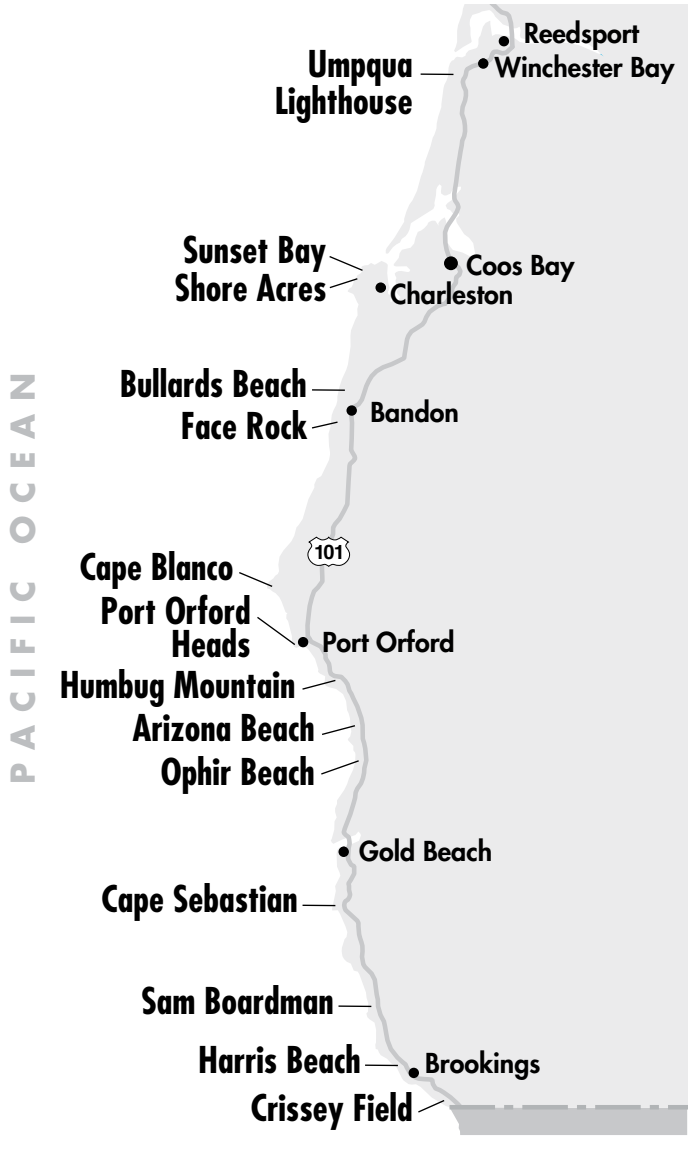
	Time	Height (ft)	Height (cm)
1 Su	01:28 AM	6.7	204
	05:57 AM	2.4	73
	11:59 AM	7.9	241
	06:38 PM	-0.1	-3
2 M	01:07 AM	6.6	201
	06:27 AM	2.8	85
	12:26 PM	7.9	241
	07:12 PM	-0.1	-3
3 Tu	01:48 AM	6.5	198
	06:59 AM	3.2	98
	12:54 PM	7.8	238
	07:48 PM	-0.1	-3
4 W	02:32 AM	6.3	192
	07:33 AM	3.6	110
	01:25 PM	7.6	232
	08:28 PM	0.1	3
5 Th	03:21 AM	6.1	186
	08:11 AM	3.9	119
	02:01 PM	7.3	223
	09:13 PM	0.2	6
6 F	04:16 AM	5.9	180
	08:59 AM	4.1	125
	02:46 PM	7.0	213
	10:06 PM	0.4	12
7 Sa	05:19 AM	5.9	180
	10:06 AM	4.3	131
	03:46 PM	6.7	204
	11:06 PM	0.6	18
8 Su ◑	06:21 AM	6.1	186
	11:31 AM	4.1	125
	05:04 PM	6.4	195
9 M	12:09 AM	0.7	21
	07:16 AM	6.4	195
	12:53 PM	3.5	107
	06:29 PM	6.3	192
10 Tu	01:11 AM	0.8	24
	08:04 AM	7.0	213
	02:01 PM	2.7	82
	07:47 PM	6.5	198
11 W	02:07 AM	0.9	27
	08:46 AM	7.6	232
	02:58 PM	1.6	49
	08:57 PM	6.7	204
12 Th	02:58 AM	1.0	30
	09:26 AM	8.2	250
	03:49 PM	0.5	15
	09:59 PM	7.1	216
13 F	03:46 AM	1.2	37
	10:06 AM	8.8	268
	04:38 PM	-0.5	-15
	10:57 PM	7.3	223
14 Sa	04:32 AM	1.5	46
	10:45 AM	9.3	283
	05:25 PM	-1.3	-40
	11:52 PM	7.5	229
15 Su ●	05:18 AM	1.9	58
	11:26 AM	9.5	290
	06:12 PM	-1.8	-55
16 M	12:46 AM	7.5	229
	06:04 AM	2.4	73
	12:08 PM	9.5	290
	06:59 PM	-1.9	-58
17 Tu	01:39 AM	7.4	226
	06:51 AM	2.8	85
	12:52 PM	9.3	283
	07:47 PM	-1.7	-52
18 W	02:34 AM	7.2	219
	07:42 AM	3.2	98
	01:38 PM	8.8	268
	08:38 PM	-1.2	-37
19 Th	03:31 AM	6.9	210
	08:37 AM	3.6	110
	02:29 PM	8.1	247
	09:31 PM	-0.6	-18
20 F	04:32 AM	6.7	204
	09:42 AM	3.8	116
	03:26 PM	7.4	226
	10:27 PM	0.0	0
21 Sa	05:34 AM	6.7	204
	10:57 AM	3.8	116
	04:33 PM	6.7	204
	11:27 PM	0.6	18
22 Su ◐	06:34 AM	6.7	204
	12:18 PM	3.6	110
	05:48 PM	6.1	186
23 M	12:27 AM	1.1	34
	07:27 AM	6.9	210
	01:32 PM	3.0	91
	07:05 PM	5.8	177
24 Tu	01:23 AM	1.6	49
	08:12 AM	7.1	216
	02:31 PM	2.4	73
	08:16 PM	5.8	177
25 W	02:14 AM	1.9	58
	08:49 AM	7.4	226
	03:18 PM	1.7	52
	09:18 PM	5.9	180
26 Th	02:58 AM	2.2	67
	09:23 AM	7.6	232
	03:59 PM	1.1	34
	10:10 PM	6.1	186
27 F	03:39 AM	2.5	76
	09:54 AM	7.9	241
	04:35 PM	0.6	18
	10:56 PM	6.3	192
28 Sa	04:16 AM	2.8	85
	10:24 AM	8.1	247
	05:10 PM	0.1	3
	11:39 PM	6.5	198
29 Su	04:52 AM	3.0	91
	10:54 AM	8.2	250
	05:44 PM	-0.2	-6
30 M ○	12:19 AM	6.6	201
	05:27 AM	3.3	101
	11:25 AM	8.2	250
	06:18 PM	-0.4	-12

December

	Time	Height (ft)	Height (cm)
1 Tu	12:59 AM	6.6	201
	06:02 AM	3.5	107
	11:56 AM	8.2	250
	06:54 PM	-0.5	-15
2 W	01:40 AM	6.6	201
	06:37 AM	3.7	113
	12:29 PM	8.1	247
	07:31 PM	-0.5	-15
3 Th	02:22 AM	6.5	198
	07:16 AM	3.9	119
	01:04 PM	8.0	244
	08:10 PM	-0.4	-12
4 F	03:07 AM	6.5	198
	07:59 AM	4.0	122
	01:44 PM	7.7	235
	08:53 PM	-0.2	-6
5 Sa	03:56 AM	6.4	195
	08:51 AM	4.1	125
	02:31 PM	7.3	223
	09:40 PM	0.0	0
6 Su	04:47 AM	6.5	198
	09:56 AM	4.0	122
	03:30 PM	6.9	210
	10:31 PM	0.4	12
7 M	05:38 AM	6.7	204
	11:12 AM	3.7	113
	04:43 PM	6.4	195
	11:26 PM	0.8	24
8 Tu ◑	06:29 AM	7.1	216
	12:30 PM	3.0	91
	06:06 PM	6.1	186
9 W	12:24 AM	1.2	37
	07:17 AM	7.6	232
	01:39 PM	2.1	64
	07:30 PM	6.0	183
10 Th	01:23 AM	1.6	49
	08:03 AM	8.2	250
	02:40 PM	1.0	30
	08:47 PM	6.2	189
11 F	02:19 AM	2.0	61
	08:48 AM	8.7	265
	03:34 PM	0.0	0
	09:55 PM	6.5	198
12 Sa	03:14 AM	2.4	73
	09:32 AM	9.2	280
	04:24 PM	-0.9	-27
	10:55 PM	6.9	210
13 Su	04:06 AM	2.7	82
	10:17 AM	9.5	290
	05:12 PM	-1.5	-46
	11:50 PM	7.1	216
14 M ●	04:57 AM	2.9	88
	11:02 AM	9.6	293
	05:59 PM	-1.9	-58
15 Tu	12:42 AM	7.3	223
	05:47 AM	3.1	94
	11:48 AM	9.5	290
	06:46 PM	-1.9	-58
16 W	01:32 AM	7.3	223
	06:37 AM	3.2	98
	12:34 PM	9.2	280
	07:32 PM	-1.6	-49
17 Th	02:21 AM	7.3	223
	07:28 AM	3.4	104
	01:21 PM	8.7	265
	08:18 PM	-1.1	-34
18 F	03:10 AM	7.1	216
	08:22 AM	3.5	107
	02:10 PM	8.1	247
	09:04 PM	-0.5	-15
19 Sa	04:00 AM	7.0	213
	09:20 AM	3.5	107
	03:02 PM	7.3	223
	09:51 PM	0.1	3
20 Su	04:49 AM	7.0	213
	10:25 AM	3.5	107
	03:59 PM	6.6	201
	10:40 PM	0.8	24
21 M	05:39 AM	7.0	213
	11:35 AM	3.3	101
	05:05 PM	5.9	180
◐	11:30 PM	1.5	46
22 Tu	06:26 AM	7.1	216
	12:46 PM	2.9	88
	06:20 PM	5.5	168
23 W	12:21 AM	2.1	64
	07:11 AM	7.2	219
	01:50 PM	2.3	70
	07:38 PM	5.3	162
24 Th	01:14 AM	2.7	82
	07:53 AM	7.4	226
	02:43 PM	1.7	52
	08:50 PM	5.4	165
25 F	02:06 AM	3.1	94
	08:32 AM	7.6	232
	03:29 PM	1.1	34
	09:52 PM	5.7	174
26 Sa	02:55 AM	3.4	104
	09:10 AM	7.9	241
	04:09 PM	0.6	18
	10:43 PM	6.0	183
27 Su	03:40 AM	3.6	110
	09:47 AM	8.1	247
	04:47 PM	0.1	3
	11:27 PM	6.3	192
28 M	04:23 AM	3.7	113
	10:23 AM	8.3	253
	05:24 PM	-0.3	-9
29 Tu	12:08 AM	6.5	198
	05:03 AM	3.7	113
	11:00 AM	8.4	256
	06:00 PM	-0.6	-18
30 W ○	12:47 AM	6.7	204
	05:43 AM	3.7	113
	11:37 AM	8.5	259
	06:37 PM	-0.8	-24
31 Th	01:25 AM	6.8	207
	06:23 AM	3.7	113
	12:14 PM	8.4	256
	07:15 PM	-0.9	-27

Monthly tide data taken from Charleston. Tide height and times will be slightly different depending on your South Coast location.

Tide Tables are predictions and are least accurate during storms and extreme high and low tide periods.



Beach Safety Tips

Watch out for sneaker waves

Always keep one eye on the ocean so you won't be caught off guard if a bigger wave surges up the beach. These "sneaker waves" are unpredictable, powerful and can easily knock adults off their feet.

Hike like a pro

Be careful on rocks and near cliffs. Rocks can be slippery and cliffs can be unstable due to erosion. Stay on marked trails and don't climb over fences or other barriers. Trails are carefully planned by park rangers and barriers are there to keep you safe.

Watch for falling rocks

Avoid walking along the base of cliffs or eroding bluffs. Chunks of cliff or rocks can fall at any time; areas with overhangs and caves are especially dangerous. Do not dig in cliffs or bluffs.

Maintain a safe campfire

Beach campfires may be started on open sand, away from driftwood or vegetation. Check online for seasonal fire restrictions. Use water to extinguish your fire, not sand. Pour water around the base of the fire pit, not directly on hot coals.

Avoid logs on the beach

Stay away from logs on the beach or in the surf. The logs absorb water like sponges, increasing their weight by up to several tons. The ocean is strong enough to pick up even the heaviest log and roll it over you.

Know the tides

Know when the tide is coming in, especially when exploring tidepools or secluded beaches. Incoming tides can quickly leave you stranded away from shore. Be extra careful during extreme high or low tides and storms.

Swim smart: rip currents

Rip currents are fast-moving water channels that can carry even the strongest swimmers away from shore. If you're ever caught in one, stay calm. A rip current is fast but narrow; swim parallel to the shore to escape it, then swim back to land at an angle.