US HARBORS www.USHarbors.com

Astoria, OR - Dec 2019

Date		High				Low						
		AM	ft	PM	ft	AM	ft	PM	ft	Rise	Set	Moon
1	Sun	5:00	7.8	3:52	8.3	10:21	3.6	10:59	0.5	7:37	4:31	
2	Mon	5:50	7.6	4:43	7.6	11:15	3.8	11:45	1.0	7:38	4:30	
3	Tue	6:40	7.5	5:45	7.0			12:19	3.7	7:39	4:30	
4	Wed	7:31	7.6	6:59	6.6	12:36	1.5	1:28	3.5	7:40	4:29	
5	Thu	8:20	7.8	8:16	6.4	1:32	1.8	2:36	2.9	7:41	4:29	
6	Fri	9:05	8.0	9:26	6.5	2:26	2.1	3:35	2.3	7:42	4:29	
7	Sat	9:46	8.4	10:27	6.8	3:18	2.3	4:26	1.5	7:43	4:29	
8	Sun	10:22	8.7	11:21	7.1	4:05	2.5	5:12	0.8	7:44	4:29	
9	Mon	10:57	9.1			4:49	2.7	5:54	0.3	7:45	4:29	
10	Tue	12:10	7.4	11:30 AM	9.3	5:33	2.9	6:35	-0.2	7:46	4:29	
11	Wed	12:56	7.7	12:05	9.6	6:15	3.1	7:15	-0.5	7:47	4:29	
12	Thu	1:41	7.9	12:41	9.8	6:58	3.3	7:55	-0.8	7:48	4:29	
13	Fri	2:25	8.0	1:19	9.8	7:41	3.4	8:34	-0.9	7:49	4:29	
14	Sat	3:09	8.0	2:01	9.8	8:26	3.4	9:15	-0.8	7:50	4:29	
15	Sun	3:53	8.1	2:47	9.6	9:12	3.4	9:58	-0.6	7:50	4:29	
16	Mon	4:39	8.1	3:38	9.1	10:04	3.4	10:44	-0.3	7:51	4:29	
17	Tue	5:28	8.1	4:38	8.5	11:03	3.3	11:34	0.2	7:52	4:30	
18	Wed	6:19	8.3	5:49	7.8			12:12	3.0	7:52	4:30	
19	Thu	7:13	8.5	7:10	7.3	12:31	0.8	1:28	2.6	7:53	4:30	
20	Fri	8:07	8.9	8:33	7.1	1:32	1.3	2:41	1.8	7:54	4:31	
21	Sat	8:59	9.3	9:49	7.2	2:34	1.8	3:47	1.0	7:54	4:31	
22	Sun	9:49	9.7	10:56	7.5	3:33	2.2	4:46	0.2	7:55	4:32	
23	Mon	10:36	10.0	11:54	7.9	4:28	2.5	5:39	-0.5	7:55	4:32	
24	Tue	11:21	10.1			5:21	2.7	6:28	-0.8	7:56	4:33	
25	Wed	12:47	8.1	12:05	10.1	6:11	3.0	7:13	-1.0	7:56	4:33	
26	Thu	1:36	8.3	12:47	10.0	6:59	3.1	7:56	-0.9	7:56	4:34	
27	Fri	2:22	8.4	1:27	9.7	7:46	3.3	8:36	-0.7	7:56	4:35	
28	Sat	3:05	8.3	2:07	9.4	8:30	3.3	9:13	-0.4	7:57	4:36	
29	Sun	3:47	8.2	2:48	8.9	9:14	3.4	9:48	0.0	7:57	4:36	
30	Mon	4:27	8.1	3:29	8.4	9:57	3.4	10:22	0.4	7:57	4:37	
31	Tue	5:06	8.0	4:14	7.8	10:43	3.4	10:58	1.0	7:57	4:38	