US HARBORS www.USHarbors.com

Astoria (Youngs Bay), OR - May 1861

Date		High				Low						
		AM	ft	PM	ft	AM	ft	PM	ft	Rise	Set	Moon
1	Wed	**5:30**	7.7	**7:20**	7.3			**12:38**	0.7	5:07	7:30	
2	Thu	**6:43**	7.1	**8:15**	7.5	**1:00**	3.1	**1:38**	1.0	5:06	7:31	
3	Fri	**7:58**	6.8	**9:05**	7.7	**2:12**	2.7	**2:34**	1.3	5:04	7:33	
4	Sat	**9:09**	6.7	**9:48**	8.1	**3:16**	2.0	**3:23**	1.5	5:03	7:34	
5	Sun	**10:10**	6.8	**10:25**	8.3	**4:10**	1.3	**4:06**	1.7	5:01	7:35	
6	Mon	**11:03**	7.0	**10:59**	8.6	**4:57**	0.7	**4:46**	2.0	5:00	7:37	
7	Tue	**11:51**	7.2	**11:29**	8.7	**5:40**	0.2	**5:24**	2.3	4:59	7:38	
8	Wed			**12:35**	7.3	**6:20**	-0.1	**6:02**	2.6	4:57	7:39	
9	Thu			**1:18**	7.3	**6:57**	-0.3	**6:39**	2.9	4:56	7:40	
10	Fri	**12:27**	8.9	**2:00**	7.3	**7:34**	-0.4	**7:15**	3.1	4:55	7:42	
11	Sat	**12:57**	8.9	**2:41**	7.3	**8:09**	-0.5	**7:52**	3.3	4:53	7:43	
12	Sun	**1:29**	9.0	**3:22**	7.2	**8:44**	-0.4	**8:30**	3.4	4:52	7:44	
13	Mon	**2:04**	8.9	**4:04**	7.1	**9:20**	-0.4	**9:10**	3.4	4:51	7:45	
14	Tue	**2:44**	8.8	**4:48**	7.0	**9:59**	-0.2	**9:56**	3.4	4:50	7:47	
15	Wed	**3:31**	8.4	**5:35**	7.0	**10:42**	0.0	**10:52**	3.3	4:48	7:48	
16	Thu	**4:28**	8.0	**6:24**	7.2	**11:32**	0.2	**11:59**	3.1	4:47	7:49	
17	Fri	**5:36**	7.4	**7:15**	7.5			**12:28**	0.6	4:46	7:50	
18	Sat	**6:57**	7.0	**8:05**	8.0	**1:15**	2.6	**1:28**	0.9	4:45	7:51	
19	Sun	**8:19**	6.9	**8:54**	8.5	**2:27**	1.7	**2:27**	1.3	4:44	7:52	
20	Mon	**9:35**	7.0	**9:41**	9.1	**3:32**	0.8	**3:24**	1.6	4:43	7:54	
21	Tue	**10:43**	7.2	**10:27**	9.6	**4:31**	-0.1	**4:18**	1.9	4:42	7:55	
22	Wed	**11:44**	7.5	**11:13**	10.0	**5:26**	-0.9	**5:11**	2.2	4:41	7:56	
23	Thu			**12:41**	7.7	**6:19**	-1.4	**6:03**	2.5	4:40	7:57	
24	Fri			**1:35**	7.8	**7:10**	-1.6	**6:56**	2.7	4:39	7:58	
25	Sat	**12:46**	10.1	**2:28**	7.9	**8:00**	-1.6	**7:48**	2.8	4:38	7:59	
26	Sun	**1:34**	9.8	**3:19**	7.8	**8:47**	-1.4	**8:40**	2.8	4:37	8:00	
27	Mon	**2:23**	9.3	**4:09**	7.8	**9:34**	-1.1	**9:33**	2.9	4:37	8:01	
28	Tue	**3:13**	8.7	**4:58**	7.7	**10:19**	-0.6	**10:27**	2.9	4:36	8:02	
29	Wed	**4:07**	8.0	**5:46**	7.6	**11:04**	0.0	**11:26**	2.8	4:35	8:03	
30	Thu	**5:06**	7.3	**6:34**	7.6	**11:51**	0.6			4:35	8:04	
31	Fri	**6:11**	6.7	**7:22**	7.7	**12:31**	2.6	**12:39**	1.2	4:34	8:05	