



## NOAA Tide Predictions

### NORTH JETTY, WA, 2022

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.



StationId: 9440574  
 Source: NOAA/NOS/CO-OPS  
 Station Type: Subordinate  
 Time Zone: LST\_LDT  
 Datum: MLLW

NOAA Tide Predictions

**NORTH JETTY, WA,2022**  
 ( 46 16.4N / 124 04.3W )

Times and Heights of High and Low Waters

January				February				March			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm
<b>1</b> 04:26 AM 3.7 113	10:36 AM 9.5 290	<b>16</b> 12:13 AM 6.7 204	05:03 AM 4.1 125	<b>1</b> 01:01 AM 7.5 229	06:13 AM 2.9 88	<b>16</b> 12:57 AM 7.0 213	06:12 AM 3.0 91	<b>1</b> 05:11 AM 2.5 76	11:19 AM 8.5 259	<b>16</b> 12:44 AM 6.8 207	06:08 AM 2.5 76
Sa 05:43 PM -1.2 -37		Su 11:03 AM 8.2 250	06:06 PM -0.1 -3	Tu 12:16 PM 9.2 280	07:04 PM -1.2 -37	W 12:10 PM 8.0 244	06:49 PM -0.3 -9	Tu 05:59 PM -0.9 -27		W 12:13 PM 7.4 226	06:40 PM 0.0 0
<b>2</b> 12:29 AM 7.1 216	05:24 AM 3.7 113	<b>17</b> 12:53 AM 6.8 207	05:47 AM 4.0 122	<b>2</b> 01:44 AM 7.7 235	07:04 AM 2.5 76	<b>17</b> 01:27 AM 7.2 219	06:51 AM 2.5 76	<b>2</b> 12:33 AM 7.6 232	06:03 AM 1.9 58	<b>17</b> 01:15 AM 7.1 216	06:50 AM 1.8 55
Su 11:29 AM 9.6 293	06:33 PM -1.4 -43	M 11:42 AM 8.2 250	06:42 PM -0.2 -6	W 01:06 PM 8.9 271	07:44 PM -1.0 -30	Th 12:50 PM 8.0 244	07:19 PM -0.3 -9	W 12:10 PM 8.4 256	06:38 PM -0.7 -21	Th 12:56 PM 7.5 229	07:14 PM 0.0 0
<b>3</b> 01:20 AM 7.4 226	06:20 AM 3.5 107	<b>18</b> 01:29 AM 6.9 210	06:29 AM 3.8 116	<b>3</b> 02:24 AM 7.8 238	07:53 AM 2.1 64	<b>18</b> 01:55 AM 7.4 226	07:55 AM 2.1 64	<b>3</b> 01:11 AM 7.8 238	06:50 AM 1.4 43	<b>18</b> 01:43 AM 7.4 226	07:43 AM 1.2 37
M 06:20 AM 9.6 293	07:21 PM -1.4 -43	Tu 12:20 PM 8.3 253	07:15 PM -0.3 -9	Th 01:55 PM 8.4 256	08:22 PM -0.5 -15	F 01:30 PM 7.8 238	07:49 PM -0.1 -3	Th 12:57 PM 8.2 250	07:15 PM -0.4 -12	F 01:40 PM 7.5 229	07:46 PM 0.2 6
<b>4</b> 02:08 AM 7.5 229	07:14 AM 3.3 101	<b>19</b> 02:03 AM 7.0 213	07:08 AM 3.6 110	<b>4</b> 03:01 AM 7.9 241	08:01 AM 1.9 58	<b>19</b> 02:22 AM 7.6 232	08:08 AM 1.7 52	<b>4</b> 01:45 AM 7.9 241	07:35 AM 1.0 30	<b>19</b> 02:10 AM 7.7 235	08:10 AM 0.7 21
Tu 01:12 PM 9.3 283	08:07 PM -1.2 -37	W 12:57 PM 8.2 250	07:47 PM -0.3 -9	F 02:44 PM 7.7 235	08:57 PM 0.1 3	Sa 02:13 PM 7.5 229	08:18 PM 0.4 12	F 01:44 PM 7.8 238	07:48 PM 0.1 3	Sa 02:24 PM 7.4 226	08:18 PM 0.6 18
<b>5</b> 02:54 AM 7.6 232	08:07 AM 3.1 94	<b>20</b> 02:35 AM 7.1 216	07:46 AM 3.3 101	<b>5</b> 03:38 AM 7.9 241	08:28 AM 1.8 55	<b>20</b> 02:50 AM 7.8 238	08:49 AM 1.3 40	<b>5</b> 02:18 AM 8.0 244	08:17 AM 0.8 24	<b>20</b> 02:38 AM 8.0 244	08:50 AM 0.3 9
W 02:04 PM 8.8 268	08:50 PM -0.8 -24	Th 01:36 PM 8.0 244	08:16 PM -0.2 -6	Sa 03:34 PM 7.0 213	09:31 PM 0.9 27	Su 03:00 PM 7.0 213	08:50 PM 1.0 30	Sa 02:29 PM 7.2 219	08:20 PM 0.8 24	Su 03:10 PM 7.1 216	08:51 PM 1.1 34
<b>6</b> 03:39 AM 7.7 235	09:00 AM 2.9 88	<b>21</b> 03:04 AM 7.2 219	08:25 AM 3.0 91	<b>6</b> 04:13 AM 7.8 238	09:19 AM 1.8 55	<b>21</b> 03:21 AM 8.0 244	09:34 AM 1.2 37	<b>6</b> 02:48 AM 7.9 241	08:59 AM 0.8 24	<b>21</b> 03:09 AM 8.3 253	09:32 AM 0.0 0
Th 02:57 PM 8.1 247	09:32 PM -0.2 -6	F 02:17 PM 7.7 235	08:46 PM 0.1 3	Su 04:28 PM 6.2 189	10:05 PM 1.8 55	M 03:53 PM 6.4 195	09:25 PM 1.7 52	Su 03:16 PM 6.6 201	08:50 PM 1.5 46	M 04:00 PM 6.7 204	09:26 PM 1.7 52
<b>7</b> 04:23 AM 7.6 232	09:56 AM 2.8 85	<b>22</b> 03:34 AM 7.3 223	09:07 AM 2.7 82	<b>7</b> 04:49 AM 7.6 232	10:14 AM 1.9 58	<b>22</b> 03:57 AM 8.2 250	10:28 AM 1.1 34	<b>7</b> 03:17 AM 7.7 235	09:41 AM 0.9 27	<b>22</b> 03:43 AM 8.4 256	10:18 AM 0.0 0
F 03:52 PM 7.3 223	10:13 PM 0.5 15	Sa 03:02 PM 7.2 219	09:18 PM 0.6 18	M 05:30 PM 5.5 168	10:45 PM 2.7 82	Tu 04:59 PM 5.7 174	10:07 PM 2.6 79	M 04:06 PM 6.0 183	09:21 PM 2.3 70	Tu 04:56 PM 6.2 189	10:05 PM 2.4 73
<b>8</b> 05:07 AM 7.6 232	10:55 AM 2.7 82	<b>23</b> 04:06 AM 7.5 229	09:55 AM 2.5 76	<b>8</b> 05:29 AM 7.4 226	12:17 PM 1.9 58	<b>23</b> 04:41 AM 8.2 250	11:37 AM 1.1 34	<b>8</b> 03:47 AM 7.5 229	10:27 AM 1.2 37	<b>23</b> 04:23 AM 8.4 256	11:13 AM 0.2 6
Sa 04:53 PM 6.4 195	10:56 PM 1.4 43	Su 03:56 PM 6.6 201	09:54 PM 1.2 37	Tu 06:43 PM 5.1 155	11:34 PM 3.5 107	W 06:20 PM 5.2 158	11:03 PM 3.4 104	Tu 05:03 PM 5.5 168	09:57 PM 3.1 94	W 06:03 PM 5.7 174	10:53 PM 3.2 98
<b>9</b> 05:51 AM 7.6 232	12:00 PM 2.5 76	<b>24</b> 04:42 AM 7.7 235	10:53 AM 2.2 67	<b>9</b> 06:14 AM 7.3 223	12:19 PM 1.7 52	<b>24</b> 05:37 AM 8.0 244	12:59 PM 1.0 30	<b>9</b> 04:21 AM 7.2 219	11:22 AM 1.5 46	<b>24</b> 05:11 AM 8.1 247	12:21 PM 0.5 15
Su 06:02 PM 5.7 174	11:43 PM 2.2 67	M 05:02 PM 5.9 180	10:37 PM 2.0 61	W 08:03 PM 5.1 155		Th 07:51 PM 5.2 158		W 06:11 PM 5.1 155	10:44 PM 3.8 116	Th 07:21 PM 5.4 165	11:58 PM 3.8 116
<b>10</b> 06:37 AM 7.6 232	01:08 PM 2.1 64	<b>25</b> 05:25 AM 7.9 241	12:03 PM 1.9 58	<b>10</b> 12:38 AM 4.1 125	07:08 AM 7.1 216	<b>25</b> 12:23 AM 4.0 122	06:46 AM 7.9 241	<b>10</b> 05:04 AM 6.9 210	12:30 PM 1.7 52	<b>25</b> 06:14 AM 7.7 235	01:42 PM 0.6 18
M 07:18 PM 5.3 162		Tu 06:24 PM 5.4 165	11:32 PM 2.8 85	Th 02:33 PM 1.4 43	09:18 PM 5.3 162	F 02:19 PM 0.6 18	09:13 PM 5.5 168	Th 07:29 PM 5.0 152	11:52 PM 4.3 131	F 08:43 PM 5.4 165	
<b>11</b> 12:35 AM 2.9 88	07:23 AM 7.6 232	<b>26</b> 06:16 AM 8.1 247	01:21 PM 1.4 43	<b>11</b> 01:51 AM 4.4 134	08:08 AM 7.1 216	<b>26</b> 01:52 AM 4.1 125	08:04 AM 7.9 241	<b>11</b> 06:03 AM 6.6 201	01:45 PM 1.6 49	<b>26</b> 01:27 AM 4.0 122	07:33 AM 7.3 223
Tu 02:13 PM 1.6 49	08:34 PM 5.3 162	W 07:56 PM 5.3 162		F 03:31 PM 1.0 30	10:19 PM 5.8 177	Sa 03:28 PM 0.1 3	10:18 PM 6.1 186	F 08:44 PM 5.2 158		Sa 03:01 PM 0.4 12	09:56 PM 5.8 177
<b>12</b> 01:32 AM 3.5 107	08:10 AM 7.7 235	<b>27</b> 12:41 AM 3.6 110	07:16 AM 8.3 253	<b>12</b> 02:57 AM 4.4 134	09:07 AM 7.3 223	<b>27</b> 03:10 AM 3.8 116	09:18 AM 8.1 247	<b>12</b> 01:16 AM 4.5 137	07:18 AM 6.5 198	<b>27</b> 02:55 AM 3.8 116	08:58 AM 7.2 219
W 03:11 PM 1.1 34	09:43 PM 5.6 171	Th 02:36 PM 0.7 21	09:21 PM 5.6 171	Sa 04:20 PM 0.6 18	11:07 PM 6.2 189	Su 04:26 PM -0.4 -12	11:09 PM 6.7 204	Sa 02:50 PM 1.3 40	09:45 PM 5.6 171	Su 04:07 PM 0.1 3	10:54 PM 6.4 195
<b>13</b> 02:30 AM 3.9 119	08:56 AM 7.8 238	<b>28</b> 01:59 AM 4.0 122	08:21 AM 8.6 262	<b>13</b> 03:55 AM 4.1 125	09:59 AM 7.5 229	<b>28</b> 04:15 AM 3.2 98	10:22 AM 8.4 256	<b>13</b> 03:31 AM 4.2 128	09:32 AM 6.6 201	<b>28</b> 04:08 AM 3.1 94	10:14 AM 7.3 223
Th 04:01 PM 0.7 21	10:41 PM 6.0 183	F 03:42 PM 0.0 0	10:30 PM 6.1 186	Su 05:03 PM 0.3 9	11:48 PM 6.5 198	M 05:15 PM -0.8 -24	11:53 PM 7.2 219	Su 04:42 PM 0.8 24	11:32 PM 6.0 183	M 05:01 PM -0.1 -3	11:41 PM 6.9 210
<b>14</b> 03:25 AM 4.1 125	09:41 AM 7.9 241	<b>29</b> 03:12 AM 4.0 122	09:25 AM 8.8 268	<b>14</b> 04:45 AM 3.8 116	10:46 AM 7.7 235	<b>29</b> 03:10 AM 3.8 116	09:18 AM 8.1 247	<b>14</b> 04:32 AM 3.7 113	10:34 AM 6.9 210	<b>29</b> 05:08 AM 2.2 67	11:17 AM 7.5 229
F 04:47 PM 0.3 9	11:30 PM 6.4 195	Sa 04:40 PM -0.6 -18	11:27 PM 6.6 201	M 05:41 PM 0.0 0		M 05:15 PM -0.8 -24		M 05:26 PM 0.4 12		Tu 05:47 PM -0.3 -9	
<b>15</b> 04:16 AM 4.2 128	10:23 AM 8.1 247	<b>30</b> 04:18 AM 3.8 116	10:26 AM 9.1 277	<b>15</b> 12:24 AM 6.8 207	05:30 AM 3.4 104	<b>30</b> 12:21 AM 7.4 226	05:23 AM 3.1 94	<b>15</b> 12:10 AM 6.4 195	05:23 AM 3.1 94	<b>30</b> 12:21 AM 7.4 226	06:01 AM 1.4 43
Sa 05:28 PM 0.1 3		Su 05:32 PM -1.0 -30		Tu 11:29 AM 7.9 241	06:16 PM -0.2 -6	W 12:11 PM 7.6 232	06:28 PM -0.2 -6	Tu 11:26 AM 7.2 219	06:05 PM 0.1 3	W 12:11 PM 7.6 232	06:28 PM -0.2 -6
		<b>31</b> 12:16 AM 7.1 216	05:18 AM 3.4 104			<b>31</b> 12:58 AM 7.7 235	06:49 AM 0.8 24			Th 01:01 PM 7.6 232	07:05 PM 0.1 3
		M 11:23 AM 9.2 280	06:20 PM -1.2 -37								

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.

Referred to Station: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)



**NORTH JETTY, WA, 2022**  
**( 46 16.4N / 124 04.3W )**

**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							
<b>1</b> 01:32 AM 07:33 AM F 01:47 PM ● 07:40 PM	7.9 0.3 7.4 0.6	241 9 226 18	<b>16</b> 12:55 AM 07:08 AM Sa 01:30 PM ○ 07:10 PM	7.8 0.0 7.0 1.1	238 0 213 34	<b>1</b> 01:19 AM 07:52 AM Su 02:21 PM 07:38 PM	8.0 -0.5 6.6 2.3	244 -15 201 70	<b>16</b> 12:46 AM 07:34 AM M 02:14 PM ○ 07:21 PM	8.7 -1.3 6.7 2.5	265 -40 204 76	<b>1</b> 01:42 AM 08:45 AM W 03:37 PM 08:27 PM	7.7 -0.5 6.2 3.6	235 -15 189 110	<b>16</b> 01:56 AM 09:01 AM Th 03:52 PM 08:53 PM	8.9 -1.8 6.7 3.0	271 -55 204 91	
<b>2</b> 02:03 AM 08:14 AM Sa 02:32 PM 08:12 PM	8.0 0.0 7.1 1.1	244 0 216 34	<b>17</b> 01:25 AM 07:51 AM Su 02:18 PM 07:48 PM	8.2 -0.5 7.0 1.5	250 -15 213 46	<b>2</b> 01:47 AM 08:29 AM M 03:05 PM 08:13 PM	8.0 -0.5 6.4 2.8	244 -15 195 85	<b>17</b> 01:26 AM 08:22 AM Tu 03:07 PM 08:09 PM	8.9 -1.5 6.6 2.8	271 -46 201 85	<b>2</b> 02:14 AM 09:19 AM Th 04:18 PM 09:06 PM	7.6 -0.3 6.0 3.7	232 -9 183 113	<b>17</b> 02:49 AM 09:50 AM F 04:43 PM 09:49 PM	8.6 -1.6 6.7 2.9	262 -49 204 88	
<b>3</b> 02:31 AM 08:52 AM Su 03:16 PM 08:44 PM	8.0 -0.1 6.7 1.8	244 -3 204 55	<b>18</b> 01:58 AM 08:34 AM M 03:09 PM 08:27 PM	8.6 -0.9 6.8 2.0	262 -27 207 61	<b>3</b> 02:14 AM 09:04 AM Tu 03:49 PM 08:47 PM	7.8 -0.3 6.2 3.2	238 -9 189 98	<b>18</b> 02:10 AM 09:10 AM W 04:02 PM 08:59 PM	8.9 -1.5 6.5 3.1	271 -46 198 94	<b>3</b> 02:49 AM 09:54 AM F 05:00 PM 09:47 PM	7.4 -0.1 5.9 3.7	226 -3 180 113	<b>18</b> 03:45 AM 10:35 AM Sa 05:33 PM 10:49 PM	8.0 -1.1 6.8 2.7	244 -34 207 82	
<b>4</b> 02:58 AM 09:29 AM M 04:01 PM 09:15 PM	7.9 0.0 6.3 2.4	241 0 192 73	<b>19</b> 02:34 AM 09:19 AM Tu 04:02 PM 09:09 PM	8.7 -1.0 6.5 2.6	265 -30 198 79	<b>4</b> 02:42 AM 09:04 AM W 04:34 PM 09:23 PM	7.7 -0.1 6.0 3.5	235 -3 183 107	<b>19</b> 02:57 AM 10:51 AM Th 04:58 PM 09:54 PM	8.7 -1.3 6.4 3.3	265 -40 195 101	<b>4</b> 03:28 AM 10:30 AM Sa 05:42 PM 10:33 PM	7.1 0.1 5.8 3.7	216 3 177 113	<b>19</b> 04:45 AM 11:27 AM Su 06:24 PM 11:54 PM	7.3 -0.6 6.8 2.5	223 -48 207 76	
<b>5</b> 03:25 AM 10:06 AM Tu 04:49 PM 09:47 PM	7.7 0.3 5.9 3.0	235 9 180 91	<b>20</b> 03:14 AM 10:19 AM W 05:01 PM 09:56 PM	8.7 -0.8 6.2 3.1	265 -24 189 94	<b>5</b> 03:13 AM 10:16 AM Th 05:22 PM 10:03 PM	7.4 0.2 5.7 3.8	226 6 174 116	<b>20</b> 03:50 AM 10:55 AM F 05:56 PM 10:56 PM	8.2 -0.9 6.3 3.4	250 -27 192 104	<b>5</b> 04:14 AM 11:10 AM Su 06:25 PM 11:29 PM	6.7 0.3 5.8 3.6	204 9 177 110	<b>20</b> 05:50 AM 12:18 PM M 07:14 PM	6.5 0.1 6.9	198 -3 210	
<b>6</b> 03:53 AM 10:46 AM W 05:41 PM 10:24 PM	7.5 0.6 5.5 3.5	229 18 168 107	<b>21</b> 04:01 AM 11:04 AM Th 06:05 PM 10:53 PM	8.4 -0.4 5.9 3.5	256 -12 180 107	<b>6</b> 03:50 AM 10:57 AM F 06:14 PM 10:51 PM	7.1 0.6 5.5 4.0	216 18 168 122	<b>21</b> 04:51 AM 11:53 AM Sa 06:56 PM	7.6 -0.4 6.4	232 -12 195	<b>6</b> 05:08 AM 11:56 AM M 07:10 PM	6.2 0.6 6.0	189 18 183	<b>21</b> 01:03 AM 07:01 AM Tu 01:10 PM ● 08:03 PM	2.2 5.8 0.7 7.1	67 177 21 216	
<b>7</b> 04:26 AM 11:33 AM Th 06:42 PM 11:12 PM	7.1 1.0 5.2 4.0	216 30 158 122	<b>22</b> 04:56 AM 12:10 PM F 07:15 PM	7.8 0.0 5.8	238 0 177	<b>7</b> 04:35 AM 11:48 AM Sa 07:11 PM 11:54 PM	6.7 0.9 5.4 4.1	204 27 165 125	<b>22</b> 12:07 AM 06:01 AM Su 12:55 PM ● 07:54 PM	3.3 6.9 0.1 6.5	101 210 3 198	<b>7</b> 12:34 AM 06:15 AM Tu 12:47 PM ● 07:55 PM	3.3 5.7 0.9 6.2	101 174 27 189	<b>22</b> 02:13 AM 08:16 AM W 02:03 PM 08:51 PM	1.6 5.3 1.4 7.3	49 162 43 223	
<b>8</b> 05:10 AM 12:34 PM F 07:51 PM	6.7 1.4 5.1	204 43 155	<b>23</b> 12:06 AM 06:06 AM Sa 01:23 PM ● 08:25 PM	3.8 7.2 0.3 5.9	116 219 9 180	<b>8</b> 05:33 AM 12:47 PM Su 08:07 PM	6.2 1.1 5.5	189 34 168	<b>23</b> 01:24 AM 07:18 AM M 01:55 PM 08:49 PM	3.0 6.3 0.5 6.8	91 192 15 207	<b>8</b> 01:45 AM 07:34 AM W 01:42 PM 08:38 PM	2.8 5.3 1.2 6.6	85 162 37 201	<b>23</b> 03:18 AM 09:29 AM Th 02:56 PM 09:36 PM	1.0 5.2 1.9 7.5	30 158 58 229	
<b>9</b> 12:20 AM 06:09 AM Sa 01:47 PM ● 09:00 PM	4.3 6.3 1.5 5.3	131 192 46 162	<b>24</b> 01:31 AM 07:28 AM Su 02:33 PM 09:27 PM	3.6 6.7 0.4 6.3	110 204 12 192	<b>9</b> 01:11 AM 06:48 AM M 01:50 PM ● 08:59 PM	3.9 5.8 1.1 5.8	119 177 34 177	<b>24</b> 02:38 AM 08:37 AM Tu 02:52 PM 09:38 PM	2.3 5.9 0.8 7.2	70 180 24 219	<b>9</b> 02:51 AM 08:55 AM Th 02:37 PM 09:21 PM	2.0 5.2 1.6 7.2	61 158 49 219	<b>24</b> 04:15 AM 10:36 AM F 03:46 PM 10:18 PM	0.4 5.3 2.4 7.6	12 162 73 232	
<b>10</b> 01:44 AM 07:30 AM Su 02:54 PM 09:58 PM	4.3 6.0 1.3 5.6	131 183 40 171	<b>25</b> 02:52 AM 08:51 AM M 03:34 PM 10:20 PM	3.1 6.5 0.4 6.8	94 198 12 207	<b>10</b> 02:25 AM 08:11 AM Tu 02:47 PM 09:44 PM	3.4 5.6 1.1 6.3	104 171 34 192	<b>25</b> 03:42 AM 09:49 AM W 03:42 PM 10:22 PM	1.5 5.8 1.1 7.5	46 177 34 229	<b>10</b> 03:51 AM 10:09 AM F 03:31 PM 10:03 PM	1.1 5.4 2.0 7.7	34 165 61 235	<b>25</b> 05:06 AM 11:35 AM Sa 04:35 PM 10:58 PM	-0.1 5.5 2.8 7.5	-3 168 85 235	
<b>11</b> 03:01 AM 08:53 AM M 03:50 PM 10:43 PM	3.9 6.0 1.0 6.0	119 183 30 183	<b>26</b> 03:59 AM 10:05 AM Tu 04:26 PM 11:04 PM	2.2 6.6 0.4 7.3	67 201 12 223	<b>11</b> 03:29 AM 09:28 AM W 03:38 PM 10:23 PM	2.6 5.7 1.1 6.8	79 174 34 207	<b>26</b> 04:38 AM 10:52 AM Th 04:28 PM 11:01 PM	0.7 5.9 1.5 7.8	21 180 46 238	<b>11</b> 04:46 AM 11:16 AM Sa 04:23 PM 10:46 PM	0.1 5.7 2.3 8.2	3 174 70 250	<b>26</b> 05:52 AM 12:27 PM Su 05:21 PM 11:35 PM	-0.5 5.8 3.1 7.5	-15 177 94 235	
<b>12</b> 04:03 AM 10:03 AM Tu 04:37 PM 11:21 PM	3.2 6.2 0.7 6.5	98 189 21 198	<b>27</b> 04:56 AM 11:07 AM W 05:10 PM 11:43 PM	1.3 6.7 0.5 7.7	40 204 15 235	<b>12</b> 04:23 AM 10:34 AM Th 04:24 PM 10:58 PM	1.7 5.9 1.2 7.3	52 180 37 223	<b>27</b> 05:27 AM 11:48 AM F 05:11 PM 11:37 PM	0.0 6.0 1.9 8.0	0 183 58 244	<b>12</b> 05:38 AM 12:16 PM Su 05:16 PM 11:31 PM	-0.7 6.0 2.7 8.7	-21 183 82 265	<b>27</b> 06:34 AM 01:14 PM M 06:06 PM	-0.6 6.0 3.3	-18 183 101	
<b>13</b> 04:55 AM 11:01 AM W 05:18 PM 11:54 PM	2.4 6.5 0.6 6.9	73 198 18 210	<b>28</b> 05:46 AM 12:01 PM Th 05:51 PM	0.6 6.8 0.8	18 207 24	<b>13</b> 05:13 AM 11:33 AM F 05:08 PM 11:33 PM	0.7 6.2 1.5 7.9	21 189 46 241	<b>28</b> 06:12 AM 12:39 PM Sa 05:52 PM	-0.4 6.2 2.4	-12 189 73	<b>13</b> 06:30 AM 01:13 PM M 06:09 PM	-1.3 6.3 2.9	-40 192 88	<b>28</b> 12:12 AM 07:14 AM Tu 01:58 PM 06:50 PM	7.7 -0.7 6.1 3.4	235 -21 186 104	
<b>14</b> 05:42 AM 11:53 AM Th 05:56 PM	1.5 6.8 0.6	46 207 18	<b>29</b> 12:18 AM 06:31 AM F 12:50 PM 06:28 PM	7.9 0.0 6.8 1.3	241 0 207 40	<b>14</b> 06:00 AM 12:28 PM Sa 05:51 PM	-0.1 6.4 1.8	-3 195 55	<b>29</b> 12:10 AM 06:53 AM Su 01:26 PM 06:31 PM	8.0 -0.7 6.2 2.8	244 -21 189 85	<b>14</b> 12:17 AM 07:21 AM Tu 02:07 PM ○ 07:03 PM	8.9 -1.7 6.5 3.0	271 -52 198 91	<b>29</b> 12:47 AM 07:51 AM W 02:39 PM ● 07:32 PM	7.6 -0.7 6.1 3.5	232 -21 186 107	
<b>15</b> 12:25 AM 06:25 AM F 12:41 PM 06:33 PM	7.4 0.7 7.0 0.8	226 21 213 24	<b>30</b> 12:50 AM 07:13 AM Sa 01:36 PM ● 07:04 PM	8.0 -0.4 6.7 1.8	244 -12 204 55	<b>15</b> 12:09 AM 06:47 AM Su 01:21 PM 06:36 PM	8.3 -0.8 6.6 2.2	253 -24 67 61	<b>30</b> 12:41 AM 07:32 AM M 02:11 PM ● 07:10 PM	7.9 -0.7 6.3 3.1	241 -21 192 94	<b>15</b> 01:06 AM 08:11 AM W 03:00 PM 07:58 PM	9.0 -1.9 6.6 3.0	274 -58 201 91	<b>30</b> 01:23 AM 08:27 AM Th 03:17 PM 08:12 PM	7.5 -0.7 6.1 3.4	229 -21 186 104	
						<b>31</b> 01:11 AM 08:09 AM Tu 02:55 PM 07:49 PM	7.9 -0.7 6.2 3.4	241 -21 189 104										

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.

Referenced to Station: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)



StationId: 9440574  
 Source: NOAA/NOS/CO-OPS  
 Station Type: Subordinate  
 Time Zone: LST\_LDT  
 Datum: MLLW

**NOAA Tide Predictions**

**NORTH JETTY, WA, 2022**  
 ( 46 16.4N / 124 04.3W )  
 Times and Heights of High and Low Waters

July				August				September																																																																																																																																																																											
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height																																																																																																																																																																								
1	01:59 AM 7.4 226 09:00 AM -0.6 -18 F 03:53 PM 6.1 186 08:51 PM 3.3 101	16	02:43 AM 8.3 253 09:29 AM -1.6 -49 Sa 04:14 PM 6.9 210 09:37 PM 1.9 58	1	03:05 AM 6.8 207 09:31 AM -0.5 -15 M 04:14 PM 6.5 198 09:50 PM 1.8 55	16	04:18 AM 6.5 198 10:14 AM 0.1 3 Tu 04:50 PM 7.1 216 10:58 PM 0.6 18	1	04:30 AM 5.7 174 10:01 AM 1.2 37 Th 04:26 PM 7.4 226 10:55 PM 0.3 9	16	05:52 AM 5.1 155 10:49 AM 2.7 82 F 05:05 PM 6.6 201	2	02:36 AM 7.3 223 09:31 AM -0.5 -15 Sa 04:28 PM 6.1 186 09:31 PM 3.1 94	17	03:37 AM 7.7 235 10:12 AM -1.1 -34 Su 04:58 PM 7.0 213 10:32 PM 1.7 52	2	03:48 AM 6.4 195 10:00 AM -0.1 -3 Tu 04:42 PM 6.6 201 10:32 PM 1.6 49	17	05:13 AM 5.8 177 10:51 AM 1.0 30 W 05:28 PM 7.0 213 11:53 PM 0.7 21	2	05:30 AM 5.2 158 10:40 AM 2.0 61 F 05:07 PM 7.4 226 11:56 PM 0.4 12	17	12:06 AM 0.7 21 06:59 AM 4.8 146 Sa 11:39 AM 3.4 104 0 05:50 PM 6.2 189	3	03:15 AM 7.0 213 10:02 AM -0.4 -12 Su 05:01 PM 6.1 186 10:13 PM 2.9 88	18	04:33 AM 6.9 210 10:53 AM -0.5 -15 M 05:41 PM 7.0 213 11:30 PM 1.5 46	3	04:36 AM 5.9 180 10:33 AM 0.5 15 W 05:14 PM 6.9 210 11:23 PM 1.3 40	18	06:15 AM 5.1 155 11:32 AM 1.9 58 Th 06:09 PM 6.8 207	3	06:45 AM 4.7 143 11:32 AM 2.7 82 Sa 06:00 PM 7.3 223	18	01:14 AM 1.0 30 08:14 AM 4.7 143 Su 12:49 PM 3.8 116 06:53 PM 5.9 180	4	03:59 AM 6.6 201 10:35 AM -0.1 -3 M 05:35 PM 6.2 189 11:01 PM 2.7 82	19	05:33 AM 6.1 186 11:35 AM 0.4 12 Tu 06:24 PM 7.0 213	4	05:35 AM 5.3 162 11:12 AM 1.2 37 Th 05:53 PM 7.1 216	19	12:55 AM 0.9 27 07:25 AM 4.7 143 F 12:22 PM 2.7 82 0 06:55 PM 6.5 198	4	01:15 AM 0.4 12 08:13 AM 4.6 140 Su 12:45 PM 3.3 101 07:07 PM 7.1 216	19	02:27 AM 1.0 30 09:26 AM 4.9 149 M 02:11 PM 3.9 119 08:10 PM 5.8 177	5	04:49 AM 6.1 186 11:12 AM 0.3 9 Tu 06:11 PM 6.4 195 11:57 PM 2.4 73	20	12:32 AM 1.4 43 06:38 AM 5.4 165 W 12:21 PM 1.2 37 0 07:09 PM 7.0 213	5	12:25 AM 1.1 34 06:50 AM 4.8 146 F 12:00 PM 2.0 61 0 06:41 PM 7.2 219	20	02:04 AM 0.8 24 08:43 AM 4.6 140 Sa 01:26 PM 3.3 101 07:51 PM 6.3 192	5	02:39 AM 0.2 6 09:36 AM 4.8 146 M 02:16 PM 3.5 107 08:27 PM 7.1 216	20	03:32 AM 0.8 24 10:25 AM 5.3 162 Tu 03:23 PM 3.5 107 09:24 PM 5.9 180	6	05:51 AM 5.5 168 11:54 AM 0.9 27 W 06:50 PM 6.7 204	21	01:38 AM 1.1 34 07:51 AM 4.9 149 Th 01:12 PM 2.0 61 07:56 PM 7.0 213	6	01:39 AM 0.8 24 08:17 AM 4.5 137 Sa 01:03 PM 2.7 82 07:38 PM 7.4 226	21	03:12 AM 0.7 21 09:57 AM 4.8 146 Su 02:38 PM 3.6 110 08:54 PM 6.3 192	6	03:52 AM -0.3 -9 10:44 AM 5.4 165 Tu 03:37 PM 3.1 94 09:45 PM 7.3 223	21	04:25 AM 0.5 15 11:11 AM 5.7 174 W 04:21 PM 3.0 91 10:25 PM 6.2 189	7	01:03 AM 2.0 61 07:06 AM 5.0 152 Th 12:45 PM 1.5 46 0 07:35 PM 7.0 213	22	02:45 AM 0.8 24 09:07 AM 4.7 143 F 02:09 PM 2.7 82 0 08:46 PM 7.0 213	7	02:56 AM 0.3 9 09:43 AM 4.7 143 Su 02:20 PM 3.2 98 08:44 PM 7.6 232	22	04:12 AM 0.4 12 10:58 AM 5.2 158 M 03:44 PM 3.5 107 09:55 PM 6.4 195	7	04:53 AM -0.8 -24 11:37 AM 5.9 180 W 04:44 PM 2.5 76 10:53 PM 7.6 232	22	05:08 AM 0.1 3 11:49 AM 6.1 186 Th 05:10 PM 2.3 70 11:16 PM 6.3 195	8	02:13 AM 1.3 40 08:30 AM 4.8 146 F 01:43 PM 2.1 64 08:24 PM 7.4 226	23	03:47 AM 0.4 12 10:18 AM 4.9 149 Sa 03:09 PM 3.1 94 09:35 PM 7.0 213	8	04:07 AM -0.3 -9 10:56 AM 5.1 155 M 03:37 PM 3.2 98 09:51 PM 7.9 241	23	05:03 AM 0.0 0 11:46 AM 5.6 171 Tu 04:41 PM 3.2 98 10:49 PM 6.6 201	8	05:44 AM -1.2 -37 12:22 PM 6.5 198 Th 05:42 PM 1.7 52 11:52 PM 7.8 238	23	05:45 AM -0.1 -3 12:22 PM 6.4 195 F 05:53 PM 1.7 52	9	03:20 AM 0.6 18 09:52 AM 4.9 149 Sa 02:47 PM 2.6 79 09:17 PM 7.8 238	24	04:42 AM 0.0 0 11:20 AM 5.2 158 Su 04:06 PM 3.3 101 10:26 PM 7.1 216	9	05:08 AM -1.0 -30 11:56 AM 5.6 171 Tu 04:46 PM 3.0 91 10:56 PM 8.2 250	24	05:46 AM -0.3 -9 12:28 PM 5.9 180 W 05:31 PM 2.8 85 11:36 PM 6.9 210	9	06:30 AM -1.3 -40 01:03 PM 6.9 210 F 06:35 PM 1.0 30	24	12:01 AM 6.7 204 06:20 AM -0.2 -6 Sa 12:52 PM 6.7 204 06:34 PM 1.1 34	10	04:23 AM -0.2 -6 11:05 AM 5.3 162 Su 03:51 PM 3.0 91 10:11 PM 8.2 250	25	05:30 AM -0.3 -9 12:11 PM 5.6 171 M 04:59 PM 3.4 104 11:09 PM 7.2 219	10	06:03 AM -1.4 -43 12:47 PM 6.1 186 W 05:48 PM 2.6 79 11:55 PM 8.4 256	25	06:25 AM -0.5 -15 01:04 PM 6.1 186 Th 06:15 PM 2.4 73	10	12:46 AM 7.9 241 07:11 AM -1.2 -37 Sa 01:41 PM 7.2 219 0 07:25 PM 0.4 12	25	12:43 AM 6.9 210 06:52 AM -0.1 -3 Su 01:20 PM 7.0 213 0 07:12 PM 0.6 18	11	05:21 AM -0.9 -27 12:07 PM 5.7 174 M 04:53 PM 3.1 94 11:06 PM 8.6 262	26	06:14 AM -0.5 -15 12:56 PM 5.9 180 Tu 05:48 PM 3.3 101 11:52 PM 7.3 223	11	06:53 AM -1.8 -55 01:33 PM 6.5 198 Th 06:45 PM 2.0 61	26	12:19 AM 7.0 213 06:59 AM -0.7 -21 F 01:37 PM 6.3 192 06:57 PM 2.0 61	11	01:36 AM 7.7 235 07:50 AM -0.9 -27 Su 02:17 PM 7.4 226 08:11 PM 0.0 0	26	01:25 AM 6.9 210 07:24 AM 0.1 3 M 01:46 PM 7.2 219 07:50 PM 0.1 3	12	06:17 AM -1.5 -46 01:03 PM 6.1 186 Tu 05:54 PM 3.0 91	27	06:53 AM -0.7 -21 01:36 PM 6.0 183 W 06:34 PM 3.1 94	12	12:51 AM 8.4 256 07:39 AM -1.8 -55 F 02:16 PM 6.8 207 0 07:38 PM 1.5 46	27	12:58 AM 7.1 216 07:31 AM -0.7 -21 Sa 02:06 PM 6.4 195 0 07:35 PM 1.6 49	12	02:24 AM 7.3 223 08:26 AM -0.4 -12 M 02:51 PM 7.5 229 08:56 PM -0.2 -6	27	02:07 AM 6.8 207 07:55 AM 0.5 15 Tu 02:12 PM 7.5 229 08:27 PM -0.2 -6	13	12:01 AM 8.8 268 07:09 AM -1.8 -55 W 01:54 PM 6.4 195 0 06:53 PM 2.8 85	28	12:33 AM 7.3 223 07:30 AM -0.8 -24 Th 02:13 PM 6.1 186 0 07:16 PM 2.9 88	13	01:44 AM 8.2 250 08:21 AM -1.7 -52 Sa 02:57 PM 7.0 213 08:29 PM 1.1 34	28	01:37 AM 7.0 213 08:01 AM -0.6 -18 Su 02:33 PM 6.6 201 08:12 PM 1.2 37	13	03:13 AM 6.8 207 09:01 AM 0.3 9 Tu 03:24 PM 7.4 226 09:40 PM -0.2 -6	28	02:50 AM 6.6 201 08:27 AM 1.0 30 W 02:40 PM 7.8 238 09:06 PM -0.5 -15	14	12:56 AM 8.8 268 07:59 AM -2.0 -61 Th 02:43 PM 6.6 201 07:49 PM 2.5 76	29	01:11 AM 7.3 223 08:03 AM -0.8 -24 F 02:47 PM 6.2 189 07:56 PM 2.7 82	14	02:35 AM 7.8 238 09:00 AM -1.3 -40 Su 03:36 PM 7.2 219 09:18 PM 0.8 24	29	02:16 AM 6.9 210 08:30 AM -0.4 -12 M 02:59 PM 6.8 207 08:49 PM 0.9 27	14	04:02 AM 6.2 189 09:34 AM 1.1 34 W 03:56 PM 7.3 223 10:24 PM 0.0 0	29	03:37 AM 6.2 189 09:00 AM 1.6 49 Th 03:11 PM 7.9 241 09:48 PM -0.5 -15	15	01:50 AM 8.7 265 08:45 AM -1.9 -58 F 03:29 PM 6.8 207 08:43 PM 2.2 67	30	01:48 AM 7.2 219 08:34 AM -0.8 -24 Sa 03:18 PM 6.2 189 08:34 PM 2.4 73	15	03:26 AM 7.2 219 09:38 AM -0.7 -21 M 04:13 PM 7.2 219 10:07 PM 0.6 18	30	02:56 AM 6.6 201 08:58 AM 0.0 0 Tu 03:24 PM 7.0 213 09:26 PM 0.6 18	15	04:54 AM 5.7 174 10:09 AM 1.9 58 Th 04:28 PM 7.0 213 11:11 PM 0.3 9	30	04:30 AM 5.8 177 09:37 AM 2.2 67 F 03:49 PM 7.9 241 10:38 PM -0.3 -9
31	02:26 AM 7.1 216 09:03 AM -0.7 -21 Su 03:46 PM 6.3 192 09:11 PM 2.1 64	31	02:26 AM 7.1 216 09:03 AM -0.7 -21 Su 03:46 PM 6.3 192 09:11 PM 2.1 64	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12	31	03:40 AM 6.2 189 09:28 AM 0.5 15 W 03:52 PM 7.2 219 10:07 PM 0.4 12																																																																																																																																																																		

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.  
 Referred to Station: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)



StationId: 9440574  
Source: NOAA/NOS/CO-OPS  
Station Type: Subordinate  
Time Zone: LST\_LDT  
Datum: MLLW

**NOAA Tide Predictions**

**NORTH JETTY, WA, 2022**  
**(46 16.4N / 124 04.3W)**

**Times and Heights of High and Low Waters**

October				November				December									
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height						
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm						
<b>1</b> 05:33 AM 10:23 AM Sa 04:35 PM 11:40 PM	5.4 2.9 7.7 0.0	165 88 235 0	<b>16</b> 06:31 AM 11:06 AM Su 04:55 PM	5.2 3.9 6.4	158 119 195	<b>1</b> 12:42 AM 07:50 AM Tu 12:55 PM 06:48 PM	0.3 5.9 3.8 6.7	9 180 116 204	<b>16</b> 06:49 AM 11:59 AM W 05:31 PM	5.9 4.1 5.7	180 125 174	<b>1</b> 12:17 AM 07:15 AM Th 01:06 PM 07:02 PM	0.8 7.2 2.8 6.2	24 219 85 189	<b>16</b> 06:28 AM 12:23 PM F 06:09 PM	6.7 3.4 5.5	204 104 168
<b>2</b> 06:47 AM 11:24 AM Su 05:35 PM	5.1 3.4 7.2	155 104 219	<b>17</b> 12:19 AM 07:38 AM M 12:16 PM 05:57 PM	1.1 5.2 4.2 5.9	34 158 128 180	<b>2</b> 01:54 AM 08:54 AM W 02:20 PM 08:16 PM	0.5 6.3 3.2 6.4	15 192 98 195	<b>17</b> 12:27 AM 07:39 AM Th 01:13 PM 06:57 PM	1.5 6.2 3.6 5.5	46 189 110 168	<b>2</b> 01:17 AM 08:07 AM F 02:16 PM 08:21 PM	1.2 7.6 1.9 6.1	37 232 58 186	<b>17</b> 12:10 AM 07:12 AM Sa 01:31 PM 07:33 PM	2.0 7.1 2.7 5.3	61 216 82 162
<b>3</b> 12:59 AM 08:08 AM M 12:50 PM 06:53 PM	0.3 5.1 3.7 6.8	9 155 113 207	<b>18</b> 01:30 AM 08:44 AM Tu 01:39 PM 07:21 PM	1.3 5.3 4.1 5.6	40 162 125 171	<b>3</b> 02:59 AM 09:48 AM Th 03:31 PM 09:35 PM	0.5 6.8 2.3 6.5	15 207 70 198	<b>18</b> 01:24 AM 08:24 AM F 02:17 PM 08:14 PM	1.6 6.6 2.8 5.6	49 201 85 171	<b>3</b> 02:12 AM 08:54 AM Sa 03:15 PM 09:30 PM	1.6 8.0 1.0 6.2	49 244 30 189	<b>18</b> 01:07 AM 07:55 AM Su 02:33 PM 08:52 PM	2.4 7.5 1.8 5.5	73 229 55 168
<b>4</b> 02:21 AM 09:22 AM Tu 02:22 PM 08:22 PM	0.2 5.4 3.5 6.7	6 165 107 204	<b>19</b> 02:37 AM 09:39 AM W 02:53 PM 08:45 PM	1.2 5.6 3.6 5.6	37 171 110 171	<b>4</b> 03:54 AM 10:34 AM F 04:31 PM 10:42 PM	0.6 7.4 1.3 6.6	18 226 40 201	<b>19</b> 02:16 AM 09:02 AM Sa 03:10 PM 09:21 PM	1.7 7.0 1.9 5.8	52 213 58 177	<b>4</b> 03:02 AM 09:36 AM Su 04:08 PM 10:30 PM	2.0 8.3 0.3 6.4	61 253 9 195	<b>19</b> 02:04 AM 09:38 AM M 03:28 PM 10:00 PM	2.8 8.1 0.9 5.9	85 247 27 180
<b>5</b> 03:31 AM 10:21 AM W 03:38 PM 09:42 PM	0.0 6.0 2.7 6.8	0 183 82 207	<b>20</b> 03:32 AM 10:24 AM Th 03:53 PM 09:53 PM	1.0 6.1 2.8 5.8	30 186 85 177	<b>5</b> 04:41 AM 11:15 AM Sa 05:23 PM 11:39 PM	0.7 7.9 0.4 6.8	21 241 12 207	<b>20</b> 03:02 AM 09:37 AM Su 03:58 PM 10:19 PM	1.8 7.6 1.0 6.2	55 232 30 189	<b>5</b> 03:49 AM 10:14 AM M 04:54 PM 11:23 PM	2.5 8.5 -0.3 6.6	76 259 -9 201	<b>20</b> 02:59 AM 09:22 AM Tu 04:19 PM 11:00 PM	3.2 8.6 0.1 6.3	98 262 3 192
<b>6</b> 04:28 AM 11:09 AM Th 04:40 PM 10:49 PM	-0.3 6.6 1.8 7.1	-9 201 55 216	<b>21</b> 04:17 AM 11:01 AM F 04:43 PM 10:50 PM	0.8 6.5 2.0 6.1	24 198 61 186	<b>6</b> 04:24 AM 10:51 AM Su 05:09 PM 11:31 PM	1.0 8.2 -0.3 6.9	30 250 -9 210	<b>21</b> 03:46 AM 10:11 AM M 04:43 PM 11:12 PM	2.0 8.1 0.2 6.5	61 247 6 198	<b>6</b> 04:33 AM 10:50 AM Tu 05:37 PM	2.9 8.6 -0.5	88 262 -15	<b>21</b> 03:52 AM 10:07 AM W 05:09 PM 11:54 PM	3.5 9.0 -0.6 6.7	107 274 -18 204
<b>7</b> 05:16 AM 11:51 AM F 05:34 PM 11:47 PM	-0.4 7.1 0.9 7.3	-12 216 27 223	<b>22</b> 04:57 AM 11:33 AM Sa 05:27 PM 11:40 PM	0.7 7.0 1.2 6.4	21 213 37 195	<b>7</b> 05:04 AM 11:25 AM M 05:53 PM	1.4 8.4 -0.7	43 256 -21	<b>22</b> 04:28 AM 10:45 AM Tu 05:27 PM	2.3 8.6 -0.5	70 262 -15	<b>7</b> 12:12 AM 05:15 AM W 11:24 AM 06:17 PM	6.8 3.3 8.6 -8.6	207 101 262 -18	<b>22</b> 04:46 AM 10:53 AM Th 05:58 PM	3.6 9.4 -1.1	110 287 -34
<b>8</b> 05:59 AM 12:28 PM Sa 06:23 PM	-0.4 7.6 0.2	-12 232 6	<b>23</b> 05:34 AM 12:03 PM Su 06:08 PM	0.8 7.4 0.5	24 226 15	<b>8</b> 12:19 AM 05:42 AM Tu 11:57 AM 06:34 PM	6.9 2.0 8.4 -0.8	210 61 256 -24	<b>23</b> 12:03 AM 05:12 AM W 11:21 AM 06:11 PM	6.7 2.7 9.0 -1.0	204 82 274 -30	<b>8</b> 12:57 AM 05:56 AM Th 11:57 AM 06:56 PM	6.9 3.6 8.5 -0.5	210 110 259 -15	<b>23</b> 12:46 AM 05:39 AM F 11:41 AM 06:47 PM	7.0 3.7 9.6 -1.3	213 113 293 -40
<b>9</b> 12:38 AM 06:39 AM Su 01:03 PM 07:09 PM	7.3 -0.1 7.8 -0.4	223 -3 238 -12	<b>24</b> 12:27 AM 06:10 AM M 12:31 PM 06:49 PM	6.7 1.0 7.8 -0.2	204 30 238 -6	<b>9</b> 01:05 AM 06:20 AM W 12:27 PM 07:12 PM	6.8 2.5 8.3 -0.8	207 76 253 -24	<b>24</b> 12:53 AM 05:56 AM Th 12:00 PM 06:56 PM	6.9 3.0 9.2 -1.3	210 91 280 -40	<b>9</b> 01:41 AM 06:37 AM F 12:30 PM 07:32 PM	6.9 3.9 8.3 -0.3	210 119 253 -9	<b>24</b> 01:36 AM 06:32 AM Sa 12:31 PM 07:34 PM	7.2 3.6 9.6 -1.4	219 110 293 -43
<b>10</b> 01:27 AM 07:16 AM M 01:36 PM 07:52 PM	7.2 0.4 7.9 -0.7	219 12 241 -21	<b>25</b> 01:13 AM 06:46 AM Tu 01:00 PM 07:29 PM	6.8 1.4 8.1 -0.6	207 43 247 -18	<b>10</b> 01:51 AM 06:57 AM Th 12:57 PM 07:49 PM	6.7 3.0 8.1 -0.5	204 91 247 -15	<b>25</b> 01:44 AM 06:42 AM F 12:42 PM 07:43 PM	6.9 3.3 9.3 -1.3	210 101 283 -40	<b>10</b> 02:22 AM 07:16 AM Sa 01:03 PM 08:06 PM	6.8 4.0 8.1 -1.1	207 122 247 -3	<b>25</b> 02:25 AM 07:26 AM Su 01:22 PM 08:21 PM	7.3 3.5 9.4 -1.2	223 107 287 -37
<b>11</b> 02:14 AM 07:51 AM Tu 02:07 PM 08:33 PM	6.9 1.0 7.9 -0.7	210 30 241 -21	<b>26</b> 01:59 AM 07:22 AM W 01:31 PM 08:09 PM	6.8 1.8 8.4 -1.0	207 55 256 -30	<b>11</b> 02:36 AM 07:33 AM F 01:27 PM 08:26 PM	6.5 3.4 7.9 -0.2	198 104 241 -6	<b>26</b> 02:35 AM 07:31 AM Sa 01:27 PM 08:31 PM	6.9 3.5 9.1 -1.1	210 107 277 -34	<b>11</b> 03:03 AM 07:55 AM Su 01:38 PM 08:40 PM	6.7 4.1 7.8 6	204 125 238 6	<b>26</b> 03:13 AM 08:20 AM M 02:16 PM 09:07 PM	7.4 3.3 8.9 -0.8	226 101 271 -24
<b>12</b> 03:01 AM 08:25 AM W 02:36 PM 09:12 PM	6.6 1.7 7.8 -0.6	201 52 238 -18	<b>27</b> 02:47 AM 08:00 AM Th 02:04 PM 08:52 PM	6.7 2.3 8.6 -1.0	204 70 262 -30	<b>12</b> 03:22 AM 08:11 AM Sa 01:58 PM 09:03 PM	6.3 3.8 7.6 0.2	192 116 232 6	<b>27</b> 03:29 AM 08:24 AM Su 02:18 PM 09:22 PM	6.8 3.6 8.7 -0.7	207 110 265 -21	<b>12</b> 03:43 AM 08:36 AM M 02:15 PM 09:14 PM	6.6 4.1 7.5 12	201 125 229 12	<b>27</b> 04:01 AM 09:17 AM Tu 03:13 PM 09:54 PM	7.4 3.1 8.2 -0.2	226 94 250 -6
<b>13</b> 03:48 AM 09:00 AM Th 03:05 PM 09:51 PM	6.3 2.3 7.5 -0.2	192 70 229 -6	<b>28</b> 03:37 AM 08:41 AM F 02:43 PM 09:38 PM	6.5 2.7 8.6 -0.9	198 82 262 -27	<b>13</b> 04:09 AM 08:52 AM Su 02:35 PM 09:43 PM	6.1 4.0 7.2 0.6	186 122 219 18	<b>28</b> 04:24 AM 09:22 AM M 03:15 PM 10:17 PM	6.7 3.7 8.1 -0.2	204 113 247 -6	<b>13</b> 04:23 AM 09:20 AM Tu 02:58 PM 09:50 PM	6.5 4.1 7.1 8	198 125 216 24	<b>28</b> 04:49 AM 10:20 AM W 04:16 PM 10:42 PM	7.5 2.9 7.3 0.5	229 88 223 15
<b>14</b> 04:37 AM 09:35 AM F 03:35 PM 10:32 PM	5.9 2.9 7.2 0.2	180 88 219 6	<b>29</b> 04:33 AM 09:26 AM Sa 03:27 PM 10:30 PM	6.2 3.2 8.4 -0.6	189 98 256 -18	<b>14</b> 05:00 AM 09:42 AM M 03:19 PM 10:30 PM	5.9 4.2 6.7 1.0	180 128 204 30	<b>29</b> 05:21 AM 10:31 AM Tu 04:22 PM 11:26 PM	6.7 3.7 7.3 0.3	204 113 223 9	<b>14</b> 05:03 AM 10:12 AM W 03:48 PM 10:30 PM	6.5 4.0 6.5 1.1	198 122 198 34	<b>29</b> 05:38 AM 11:28 AM Th 05:26 PM 11:33 PM	7.6 2.7 6.5 1.3	232 82 198 40
<b>15</b> 05:31 AM 10:15 AM Sa 04:10 PM 11:20 PM	5.5 3.5 6.8 0.7	168 107 207 21	<b>30</b> 05:34 AM 10:20 AM Su 04:19 PM 11:31 PM	5.9 3.6 7.9 -0.1	180 110 241 -3	<b>15</b> 05:54 AM 10:44 AM Tu 04:16 PM 11:26 PM	5.8 4.3 6.2 1.3	177 131 189 40	<b>30</b> 06:19 AM 11:48 AM W 05:40 PM	6.9 3.4 6.6	210 104 201	<b>15</b> 05:45 AM 11:14 AM Th 04:51 PM 11:17 PM	6.5 3.8 6.0 1.5	198 116 183 46	<b>30</b> 06:28 AM 12:40 PM F 06:43 PM	7.7 2.2 5.9	235 67 180
			<b>31</b> 06:41 AM 11:30 AM M 05:25 PM	5.8 3.8 7.3	177 116 223								<b>31</b> 12:28 AM 07:18 AM Sa 01:51 PM 07:59 PM	2.0 7.9 1.6 5.6	61 241 49 171		

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.  
Referenced to Station: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)