

# 2023 Port Dinorwic Tide Times

*PDSC would like to thank the Centre for applied Marine Sciences at Bangor University for permission to reproduce tidal predictions based on their data*

January	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
<b>Sun</b>	<b>Jan-01</b>	<b>0605</b>	<b>4.57</b>	<b>1826</b>	<b>4.85</b>			<b>1224</b>	<b>1.91</b>
Mon	2	0702	4.63	1920	4.83	0106	1.72	1331	1.88
Tue	3	0750	4.73	2008	4.83	0205	1.69	1429	1.78
Wed	4	0834	4.87	2050	4.85	0254	1.63	1519	1.65
Thu	5	0913	5.02	2130	4.88	0337	1.56	1602	1.54
Fri	6	0951	5.18	2208	4.91	0414	1.49	1641	1.44
<b>Sat</b>	<b>7</b>	<b>1028</b>	<b>5.31</b>	<b>2245</b>	<b>4.95</b>	<b>0450</b>	<b>1.41</b>	<b>1717</b>	<b>1.37</b>
<b>Sun</b>	<b>8</b>	<b>1106</b>	<b>5.39</b>	<b>2322</b>	<b>4.97</b>	<b>0524</b>	<b>1.35</b>	<b>1752</b>	<b>1.33</b>
Mon	9	1144	5.40			0558	1.31	1827	1.34
Tue	10	0000	4.96	1222	5.34	0634	1.33	1903	1.39
Wed	11	0038	4.91	1300	5.22	0711	1.40	1940	1.48
Thu	12	0118	4.82	1339	5.06	0750	1.53	2019	1.60
Fri	13	0159	4.70	1421	4.88	0831	1.70	2100	1.75
<b>Sat</b>	<b>14</b>	<b>0245</b>	<b>4.58</b>	<b>1507</b>	<b>4.72</b>	<b>0915</b>	<b>1.89</b>	<b>2147</b>	<b>1.89</b>
<b>Sun</b>	<b>15</b>	<b>0338</b>	<b>4.47</b>	<b>1601</b>	<b>4.60</b>	<b>1006</b>	<b>2.06</b>	<b>2241</b>	<b>2.00</b>
Mon	16	0438	4.41	1702	4.55	1105	2.18	2346	2.04
Tue	17	0542	4.44	1806	4.61			1216	2.19
Wed	18	0643	4.57	1906	4.76	0057	1.97	1329	2.04
Thu	19	0740	4.78	2003	4.97	0205	1.76	1434	1.76
Fri	20	0834	5.04	2057	5.19	0304	1.47	1531	1.42
<b>Sat</b>	<b>21</b>	<b>0925</b>	<b>5.31</b>	<b>2149</b>	<b>5.39</b>	<b>0357</b>	<b>1.18</b>	<b>1623</b>	<b>1.09</b>
<b>Sun</b>	<b>22</b>	<b>1015</b>	<b>5.55</b>	<b>2239</b>	<b>5.52</b>	<b>0446</b>	<b>0.93</b>	<b>1712</b>	<b>0.82</b>
Mon	23	1104	5.71	2329	5.54	0533	0.76	1800	0.66
Tue	24	1153	5.77			0620	0.71	1848	0.64
Wed	25	0019	5.46	1243	5.71	0706	0.78	1936	0.75
Thu	26	0111	5.29	1335	5.54	0753	0.97	2025	0.98
Fri	27	0205	5.04	1431	5.29	0842	1.25	2117	1.29
<b>Sat</b>	<b>28</b>	<b>0304</b>	<b>4.78</b>	<b>1532</b>	<b>5.00</b>	<b>0935</b>	<b>1.57</b>	<b>2213</b>	<b>1.62</b>
<b>Sun</b>	<b>29</b>	<b>0410</b>	<b>4.56</b>	<b>1639</b>	<b>4.73</b>	<b>1034</b>	<b>1.88</b>	<b>2316</b>	<b>1.91</b>
Mon	30	0519	4.43	1748	4.54	1144	2.09		
Tue	31	0626	4.42	1853	4.45	0027	2.07	1301	2.15

February	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Wed	Feb-01	0725	4.51	1949	4.45	0134	2.09	1409	2.06
Thu	2	0814	4.67	2036	4.52	0230	1.99	1502	1.89
Fri	3	0857	4.87	2116	4.64	0315	1.85	1545	1.71
<b>Sat</b>	<b>4</b>	<b>0935</b>	<b>5.08</b>	<b>2153</b>	<b>4.79</b>	<b>0353</b>	<b>1.67</b>	<b>1621</b>	<b>1.54</b>
<b>Sun</b>	<b>5</b>	<b>1011</b>	<b>5.27</b>	<b>2227</b>	<b>4.95</b>	<b>0428</b>	<b>1.49</b>	<b>1655</b>	<b>1.38</b>
Mon	6	1046	5.41	2301	5.08	0501	1.32	1727	1.25
Tue	7	1120	5.48	2335	5.18	0534	1.19	1759	1.17
Wed	8	1153	5.49			0608	1.13	1832	1.15
Thu	9	0008	5.20	1226	5.42	0643	1.16	1906	1.20
Fri	10	0043	5.16	1300	5.30	0719	1.27	1943	1.31
<b>Sat</b>	<b>11</b>	<b>0119</b>	<b>5.05</b>	<b>1337</b>	<b>5.13</b>	<b>0757</b>	<b>1.45</b>	<b>2022</b>	<b>1.49</b>
<b>Sun</b>	<b>12</b>	<b>0159</b>	<b>4.88</b>	<b>1419</b>	<b>4.92</b>	<b>0839</b>	<b>1.68</b>	<b>2106</b>	<b>1.71</b>
Mon	13	0247	4.67	1512	4.71	0926	1.92	2159	1.94
Tue	14	0347	4.47	1619	4.54	1026	2.14	2309	2.11
Wed	15	0502	4.37	1737	4.49	1145	2.24		
Thu	16	0621	4.44	1853	4.61	0034	2.10	1313	2.11
Fri	17	0730	4.67	1959	4.85	0153	1.88	1425	1.76
<b>Sat</b>	<b>18</b>	<b>0829</b>	<b>5.00</b>	<b>2056</b>	<b>5.14</b>	<b>0255</b>	<b>1.53</b>	<b>1523</b>	<b>1.34</b>
<b>Sun</b>	<b>19</b>	<b>0921</b>	<b>5.35</b>	<b>2146</b>	<b>5.39</b>	<b>0347</b>	<b>1.16</b>	<b>1613</b>	<b>0.95</b>
Mon	20	1008	5.66	2233	5.57	0434	0.85	1700	0.64
Tue	21	1054	5.86	2318	5.64	0519	0.64	1745	0.48
Wed	22	1138	5.93			0602	0.57	1829	0.48
Thu	23	0002	5.59	1222	5.85	0645	0.65	1913	0.65
Fri	24	0046	5.43	1307	5.63	0729	0.87	1957	0.95
<b>Sat</b>	<b>25</b>	<b>0132</b>	<b>5.17</b>	<b>1355</b>	<b>5.29</b>	<b>0814</b>	<b>1.19</b>	<b>2043</b>	<b>1.34</b>

Sun	26	0221	4.87	1448	4.89	0902	1.57	2133	1.75
Mon	27	0318	4.57	1551	4.50	0957	1.95	2230	2.12
Tue	28	0430	4.34	1710	4.23	1105	2.25	2341	2.36

March	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Wed	Mar-01	0550	4.28	1829	4.13			1231	2.35
Thu	2	0701	4.37	1934	4.19	0101	2.39	1348	2.24
Fri	3	0756	4.56	2023	4.34	0205	2.25	1443	2.03
Sat	4	0839	4.79	2101	4.55	0252	2.02	1523	1.80
Sun	5	0915	5.02	2133	4.78	0329	1.77	1556	1.57
Mon	6	0948	5.24	2204	5.02	0402	1.52	1626	1.36
Tue	7	1019	5.41	2234	5.23	0434	1.29	1656	1.17
Wed	8	1049	5.53	2304	5.38	0506	1.11	1727	1.03
Thu	9	1119	5.59	2336	5.45	0539	1.01	1759	0.97
Fri	10	1151	5.57			0613	1.01	1834	0.99
Sat	11	0008	5.43	1224	5.48	0649	1.10	1910	1.12
Sun	12	0044	5.31	1301	5.31	0728	1.28	1951	1.33
Mon	13	0124	5.09	1344	5.06	0810	1.54	2037	1.61
Tue	14	0211	4.81	1438	4.76	0900	1.83	2133	1.92
Wed	15	0313	4.52	1551	4.49	1004	2.09	2247	2.14
Thu	16	0438	4.35	1726	4.41	1130	2.20		
Fri	17	0612	4.44	1852	4.57	0019	2.15	1302	2.02
Sat	18	0726	4.73	1959	4.86	0141	1.88	1415	1.63
Sun	19	0823	5.11	2051	5.17	0242	1.49	1510	1.18
Mon	20	0911	5.47	2137	5.44	0332	1.10	1559	0.80
Tue	21	0955	5.77	2218	5.62	0418	0.80	1643	0.54
Wed	22	1036	5.94	2258	5.69	0500	0.61	1726	0.44
Thu	23	1116	5.96	2338	5.65	0542	0.57	1807	0.50
Fri	24	1156	5.83			0623	0.67	1847	0.72
Sat	25	0017	5.49	1237	5.55	0704	0.90	1928	1.05
Sun	26+1	0158	5.25	1420	5.17	0846	1.24	2110	1.45
Mon	27	0243	4.95	1508	4.73	0932	1.63	2154	1.87
Tue	28	0335	4.63	1607	4.31	1025	2.01	2246	2.23
Wed	29	0444	4.36	1731	4.01	1131	2.31	2353	2.49
Thu	30	0613	4.25	1904	3.95			1256	2.43
Fri	31	0732	4.33	2012	4.06	0117	2.53	1417	2.32
Thu	31	1045	5.61	2309	5.39	0506	1.01	1731	0.71

April	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Sat	Apr-01	0829	4.51	2059	4.28	0228	2.38	1512	2.11
Sun	2	0911	4.73	2134	4.53	0318	2.13	1550	1.87
Mon	3	0946	4.95	2204	4.81	0357	1.85	1622	1.62
Tue	4	1016	5.16	2233	5.08	0430	1.58	1652	1.37
Wed	5	1045	5.35	2301	5.32	0503	1.33	1722	1.15
Thu	6	1114	5.51	2331	5.49	0535	1.13	1754	0.98
Fri	7	1145	5.61			0610	1.00	1828	0.89
Sat	8	0003	5.59	1218	5.64	0645	0.97	1905	0.90
Sun	9	0037	5.57	1254	5.56	0724	1.04	1944	1.03
Mon	10	0115	5.44	1334	5.38	0805	1.21	2028	1.26
Tue	11	0158	5.21	1421	5.09	0851	1.45	2118	1.56
Wed	12	0249	4.90	1520	4.75	0946	1.73	2219	1.87
Thu	13	0356	4.59	1642	4.47	1055	1.97	2335	2.08
Fri	14	0531	4.45	1826	4.43			1221	2.03
Sat	15	0705	4.58	1949	4.63	0103	2.06	1348	1.83
Sun	16	0815	4.89	2049	4.92	0221	1.81	1457	1.46
Mon	17	0908	5.23	2137	5.19	0322	1.45	1552	1.08
Tue	18	0953	5.54	2219	5.42	0412	1.12	1639	0.78
Wed	19	1034	5.75	2258	5.57	0457	0.87	1722	0.61
Thu	20	1113	5.84	2335	5.63	0539	0.73	1803	0.58
Fri	21	1152	5.80			0620	0.71	1843	0.69
Sat	22	0012	5.60	1230	5.63	0700	0.82	1921	0.91
Sun	23	0050	5.48	1309	5.35	0741	1.04	2000	1.20
Mon	24	0130	5.29	1351	5.00	0823	1.33	2039	1.55
Tue	25	0213	5.03	1437	4.60	0908	1.67	2121	1.89
Wed	26	0303	4.74	1533	4.23	0958	2.00	2209	2.20
Thu	27	0408	4.48	1652	3.98	1058	2.26	2309	2.43

Fri	28	0531	4.34	1823	3.93			1210	2.38
Sat	29	<b>0648</b>	<b>4.36</b>	<b>1931</b>	<b>4.05</b>	<b>0022</b>	<b>2.51</b>	<b>1324</b>	<b>2.34</b>
Sun	30	<b>0747</b>	<b>4.48</b>	<b>2019</b>	<b>4.26</b>	<b>0135</b>	<b>2.42</b>	<b>1423</b>	<b>2.17</b>

May	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Mon	May-01	0831	4.64	2056	4.51	0232	2.22	1505	1.95
Tue	2	0906	4.83	2127	4.78	0316	1.97	1540	1.71
Wed	3	0937	5.03	2157	5.05	0353	1.71	1614	1.45
Thu	4	1007	5.23	2227	5.29	0429	1.46	1648	1.21
Fri	5	1039	5.42	2259	5.48	0505	1.25	1724	1.03
Sat	6	<b>1113</b>	<b>5.56</b>	<b>2334</b>	<b>5.59</b>	<b>0543</b>	<b>1.10</b>	<b>1802</b>	<b>0.92</b>
Sun	7	<b>1150</b>	<b>5.61</b>			<b>0622</b>	<b>1.03</b>	<b>1843</b>	<b>0.91</b>
Mon	8	0013	5.59	1231	5.55	0705	1.05	1927	1.01
Tue	9	0055	5.48	1316	5.37	0751	1.16	2015	1.21
Wed	10	0142	5.27	1408	5.09	0842	1.35	2108	1.47
Thu	11	0238	5.01	1513	4.78	0940	1.56	2209	1.72
Fri	12	0350	4.76	1640	4.55	1048	1.73	2320	1.90
Sat	13	<b>0522</b>	<b>4.68</b>	<b>1815</b>	<b>4.54</b>			<b>1205</b>	<b>1.77</b>
Sun	14	<b>0647</b>	<b>4.80</b>	<b>1930</b>	<b>4.70</b>	<b>0038</b>	<b>1.91</b>	<b>1324</b>	<b>1.64</b>
Mon	15	0752	5.02	2028	4.91	0153	1.75	1432	1.39
Tue	16	0844	5.25	2115	5.11	0255	1.51	1528	1.14
Wed	17	0930	5.44	2157	5.28	0348	1.27	1617	0.96
Thu	18	1011	5.54	2235	5.40	0435	1.08	1700	0.87
Fri	19	1050	5.56	2312	5.47	0519	0.98	1741	0.87
Sat	20	<b>1129</b>	<b>5.49</b>	<b>2349</b>	<b>5.48</b>	<b>0600</b>	<b>0.97</b>	<b>1820</b>	<b>0.97</b>
Sun	21			<b>1207</b>	<b>5.34</b>	<b>0641</b>	<b>1.05</b>	<b>1857</b>	<b>1.13</b>
Mon	22	0028	5.43	1246	5.12	0721	1.19	1935	1.33
Tue	23	0108	5.31	1328	4.86	0803	1.40	2013	1.56
Wed	24	0151	5.13	1413	4.58	0846	1.64	2053	1.80
Thu	25	0240	4.90	1506	4.32	0932	1.87	2138	2.03
Fri	26	0336	4.68	1610	4.13	1022	2.08	2228	2.22
Sat	27	<b>0443</b>	<b>4.51</b>	<b>1725</b>	<b>4.05</b>	<b>1118</b>	<b>2.22</b>	<b>2326</b>	<b>2.34</b>
Sun	28	<b>0551</b>	<b>4.43</b>	<b>1831</b>	<b>4.11</b>			<b>1217</b>	<b>2.26</b>
Mon	29	0650	4.45	1924	4.26	0030	2.37	1316	2.20
Tue	30	0738	4.53	2006	4.45	0132	2.28	1408	2.05
Wed	31	0817	4.67	2043	4.68	0226	2.12	1453	1.84

June	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Thu	Jun-01	0854	4.86	2119	4.92	0313	1.90	1536	1.61
Fri	2	0930	5.07	2155	5.16	0356	1.67	1617	1.37
Sat	3	<b>1008</b>	<b>5.28</b>	<b>2232</b>	<b>5.36</b>	<b>0439</b>	<b>1.44</b>	<b>1700</b>	<b>1.16</b>
Sun	4	<b>1048</b>	<b>5.44</b>	<b>2313</b>	<b>5.50</b>	<b>0522</b>	<b>1.24</b>	<b>1743</b>	<b>1.01</b>
Mon	5	1131	5.52	2356	5.55	0606	1.10	1828	0.95
Tue	6			1217	5.50	0653	1.03	1916	0.97
Wed	7	0043	5.51	1307	5.37	0742	1.04	2006	1.08
Thu	8	0134	5.39	1403	5.16	0835	1.14	2059	1.26
Fri	9	0233	5.21	1508	4.91	0931	1.28	2156	1.47
Sat	10	<b>0342</b>	<b>5.04</b>	<b>1627</b>	<b>4.71</b>	<b>1033</b>	<b>1.43</b>	<b>2259</b>	<b>1.65</b>
Sun	11	<b>0501</b>	<b>4.95</b>	<b>1749</b>	<b>4.64</b>	<b>1141</b>	<b>1.54</b>		
Mon	12	0617	4.95	1900	4.69	0007	1.76	1253	1.56
Tue	13	0721	5.02	1959	4.79	0118	1.76	1401	1.49
Wed	14	0817	5.10	2049	4.91	0225	1.66	1502	1.39
Thu	15	0906	5.16	2133	5.05	0324	1.52	1553	1.29
Fri	16	0950	5.19	2214	5.17	0415	1.39	1639	1.24
Sat	17	<b>1031</b>	<b>5.18</b>	<b>2253</b>	<b>5.28</b>	<b>0501</b>	<b>1.29</b>	<b>1720</b>	<b>1.22</b>
Sun	18	<b>1110</b>	<b>5.14</b>	<b>2331</b>	<b>5.36</b>	<b>0544</b>	<b>1.23</b>	<b>1759</b>	<b>1.24</b>
Mon	19	1149	5.07	2410	5.39	0624	1.23	1836	1.29
Tue	20			1229	4.97	0704	1.28	1912	1.36
Wed	21	0050	5.36	1310	4.85	0742	1.37	1949	1.47
Thu	22	0132	5.26	1352	4.71	0821	1.50	2027	1.60
Fri	23	0216	5.11	1437	4.56	0901	1.66	2107	1.76
Sat	24	<b>0303</b>	<b>4.92</b>	<b>1527</b>	<b>4.41</b>	<b>0943</b>	<b>1.82</b>	<b>2150</b>	<b>1.93</b>
Sun	25	<b>0352</b>	<b>4.73</b>	<b>1622</b>	<b>4.31</b>	<b>1027</b>	<b>1.97</b>	<b>2237</b>	<b>2.10</b>
Mon	26	0446	4.56	1720	4.26	1115	2.09	2330	2.23
Tue	27	0541	4.47	1817	4.28			1208	2.14
Wed	28	0635	4.45	1910	4.37	0029	2.29	1306	2.12

Thu	29	0725	4.53	1958	4.53	0131	2.25	1406	2.00
Fri	30	0813	4.68	2044	4.74	0233	2.11	1502	1.80

July	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Sat	Jul-01	0859	4.89	2129	4.97	0328	1.88	1554	1.56
Sun	2	0945	5.11	2214	5.21	0419	1.61	1643	1.31
Mon	3	1033	5.32	2300	5.42	0508	1.32	1731	1.08
Tue	4	1121	5.46	2347	5.56	0556	1.08	1819	0.92
Wed	5			1210	5.51	0645	0.90	1906	0.84
Thu	6	0036	5.63	1301	5.46	0734	0.82	1955	0.87
Fri	7	0128	5.61	1355	5.32	0824	0.85	2044	0.99
Sat	8	0223	5.50	1454	5.11	0916	0.98	2136	1.19
Sun	9	0323	5.33	1559	4.88	1011	1.19	2232	1.44
Mon	10	0429	5.13	1710	4.70	1111	1.42	2333	1.68
Tue	11	0539	4.97	1821	4.60			1217	1.63
Wed	12	0647	4.86	1926	4.60	0042	1.85	1327	1.74
Thu	13	0750	4.80	2023	4.67	0155	1.90	1434	1.75
Fri	14	0845	4.78	2114	4.80	0302	1.82	1532	1.70
Sat	15	0934	4.79	2158	4.95	0359	1.68	1620	1.61
Sun	16	1018	4.82	2238	5.12	0447	1.54	1702	1.52
Mon	17	1057	4.87	2317	5.28	0530	1.42	1740	1.43
Tue	18	1135	4.92	2355	5.39	0608	1.33	1815	1.35
Wed	19			1213	4.96	0643	1.28	1849	1.30
Thu	20	0032	5.44	1250	4.98	0718	1.27	1924	1.30
Fri	21	0110	5.42	1327	4.95	0752	1.31	1959	1.35
Sat	22	0147	5.31	1405	4.88	0827	1.40	2035	1.47
Sun	23	0225	5.15	1444	4.76	0903	1.54	2113	1.65
Mon	24	0303	4.95	1525	4.62	0941	1.70	2154	1.85
Tue	25	0345	4.74	1613	4.47	1023	1.88	2240	2.07
Wed	26	0433	4.56	1708	4.35	1111	2.04	2334	2.24
Thu	27	0531	4.44	1812	4.31	1211	2.15		
Fri	28	0636	4.42	1917	4.38	0041	2.33	1324	2.15
Sat	29	0740	4.52	2018	4.56	0159	2.26	1437	1.99
Sun	30	0840	4.73	2113	4.83	0309	2.01	1539	1.70
Mon	31	0935	5.00	2204	5.14	0407	1.66	1633	1.37

August	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Tue	Aug-01	1026	5.26	2252	5.44	0459	1.27	1722	1.05
Wed	2	1115	5.48	2340	5.69	0547	0.93	1808	0.80
Thu	3			1203	5.61	0634	0.68	1854	0.65
Fri	4	0027	5.83	1251	5.62	0720	0.56	1939	0.64
Sat	5	0114	5.85	1340	5.51	0807	0.60	2025	0.76
Sun	6	0204	5.73	1430	5.29	0855	0.78	2112	1.01
Mon	7	0255	5.49	1525	5.01	0944	1.08	2203	1.34
Tue	8	0352	5.17	1626	4.72	1038	1.45	2259	1.69
Wed	9	0458	4.84	1737	4.50	1138	1.80		
Thu	10	0612	4.57	1852	4.41	0006	1.99	1250	2.05
Fri	11	0726	4.43	2001	4.46	0127	2.13	1406	2.13
Sat	12	0832	4.41	2058	4.62	0245	2.07	1511	2.05
Sun	13	0925	4.48	2145	4.82	0346	1.89	1602	1.89
Mon	14	1008	4.60	2225	5.04	0433	1.69	1643	1.71
Tue	15	1045	4.75	2300	5.25	0512	1.50	1719	1.52
Wed	16	1119	4.92	2335	5.41	0546	1.35	1751	1.35
Thu	17	1151	5.07			0617	1.22	1823	1.21
Fri	18	0008	5.51	1224	5.18	0648	1.15	1855	1.14
Sat	19	0041	5.53	1256	5.22	0719	1.13	1929	1.15
Sun	20	0113	5.46	1329	5.19	0751	1.17	2003	1.25
Mon	21	0145	5.33	1403	5.08	0825	1.29	2039	1.43
Tue	22	0219	5.14	1439	4.91	0901	1.47	2117	1.67
Wed	23	0256	4.92	1521	4.69	0941	1.70	2201	1.93
Thu	24	0341	4.67	1614	4.46	1029	1.95	2254	2.18
Fri	25	0441	4.45	1725	4.29	1131	2.17		
Sat	26	0600	4.34	1848	4.29	0006	2.34	1254	2.25
Sun	27	0723	4.42	2003	4.49	0137	2.29	1420	2.08
Mon	28	0833	4.67	2104	4.83	0256	1.99	1527	1.73
Tue	29	0930	4.99	2156	5.21	0356	1.55	1621	1.33

Wed	30	1020	5.31	2243	5.57	0447	1.11	1708	0.95
Thu	31	1106	5.57	2327	5.85	0533	0.73	1753	0.67

September	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Fri	Sep-01	1150	5.73			0618	0.48	1836	0.51
Sat	2	0011	6.00	1234	5.75	0702	0.40	1919	0.51
Sun	3	0054	5.99	1317	5.63	0746	0.50	2003	0.67
Mon	4	0139	5.81	1402	5.40	0830	0.76	2048	0.96
Tue	5	0225	5.49	1449	5.08	0916	1.13	2135	1.35
Wed	6	0316	5.07	1544	4.74	1005	1.57	2229	1.76
Thu	7	0417	4.63	1653	4.44	1101	1.99	2335	2.12
Fri	8	0536	4.28	1818	4.30			1210	2.30
Sat	9	0707	4.12	1940	4.35	0100	2.29	1334	2.40
Sun	10	0821	4.16	2041	4.54	0226	2.22	1447	2.29
Mon	11	0914	4.31	2127	4.77	0328	2.00	1539	2.07
Tue	12	0952	4.51	2204	5.00	0412	1.77	1618	1.83
Wed	13	1024	4.74	2236	5.22	0446	1.56	1652	1.58
Thu	14	1054	4.97	2307	5.39	0516	1.36	1723	1.36
Fri	15	1123	5.18	2337	5.51	0545	1.20	1753	1.18
Sat	16	1153	5.34			0614	1.07	1825	1.08
Sun	17	0007	5.55	1223	5.42	0644	1.01	1858	1.06
Mon	18	0037	5.53	1254	5.41	0716	1.03	1932	1.14
Tue	19	0108	5.43	1327	5.30	0751	1.14	2008	1.31
Wed	20	0142	5.27	1403	5.11	0829	1.33	2048	1.55
Thu	21	0220	5.03	1445	4.85	0911	1.60	2134	1.83
Fri	22	0307	4.75	1540	4.55	1002	1.90	2232	2.10
Sat	23	0412	4.46	1657	4.33	1109	2.15	2349	2.26
Sun	24	0543	4.31	1833	4.33			1236	2.24
Mon	25	0717	4.43	1954	4.58	0122	2.17	1404	2.05
Tue	26	0828	4.72	2054	4.96	0241	1.82	1511	1.67
Wed	27	0922	5.06	2143	5.35	0340	1.37	1604	1.26
Thu	28	1008	5.38	2227	5.70	0430	0.94	1650	0.90
Fri	29	1051	5.63	2309	5.93	0515	0.62	1734	0.64
Sat	30	1131	5.76	2350	6.02	0559	0.44	1816	0.52

October	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Sun	Oct-01			1212	5.77	0641	0.43	1858	0.56
Mon	2	0031	5.94	1252	5.65	0723	0.58	1941	0.74
Tue	3	0113	5.70	1334	5.42	0805	0.88	2025	1.05
Wed	4	0156	5.33	1418	5.12	0848	1.27	2111	1.43
Thu	5	0244	4.88	1509	4.78	0934	1.70	2204	1.83
Fri	6	0342	4.43	1615	4.47	1026	2.11	2309	2.17
Sat	7	0504	4.08	1744	4.31	1131	2.41	0030	2.34
Sun	8	0644	3.96	1910	4.35	1252	2.52		
Mon	9	0757	4.05	2012	4.51	0155	2.27	1409	2.41
Tue	10	0847	4.25	2056	4.72	0256	2.08	1504	2.19
Wed	11	0923	4.48	2132	4.92	0338	1.86	1544	1.93
Thu	12	0954	4.74	2203	5.11	0411	1.65	1618	1.68
Fri	13	1022	4.99	2233	5.28	0440	1.44	1650	1.45
Sat	14	1050	5.22	2302	5.41	0509	1.24	1721	1.26
Sun	15	1119	5.40	2331	5.49	0539	1.09	1754	1.14
Mon	16	1149	5.49			0612	0.99	1829	1.09
Tue	17	0002	5.52	1222	5.50	0646	0.99	1905	1.14
Wed	18	0036	5.46	1257	5.41	0724	1.08	1945	1.27
Thu	19	0113	5.32	1337	5.22	0806	1.27	2029	1.47
Fri	20	0156	5.08	1423	4.95	0853	1.53	2120	1.71
Sat	21	0249	4.79	1522	4.67	0948	1.81	2222	1.94
Sun	22	0400	4.51	1645	4.47	1056	2.03	2339	2.04
Mon	23	0538	4.39	1821	4.52			1218	2.09
Tue	24	0708	4.54	1937	4.78	0103	1.93	1339	1.92
Wed	25	0813	4.81	2034	5.11	0219	1.62	1446	1.60
Thu	26	0905	5.11	2122	5.44	0318	1.25	1541	1.26
Fri	27	0949	5.37	2206	5.69	0409	0.91	1629	0.96
Sat	28	1030	5.56	2247	5.83	0455	0.68	1713	0.76
Sun	29-1	1010	5.66	2228	5.83	0438	0.59	1656	0.69
Mon	30	1049	5.67	2308	5.70	0520	0.63	1739	0.74

Tue	31	1129	5.58	2349	5.45	0601	0.80	1821	0.91
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November	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Wed	Nov-01			1210	5.40	0641	1.08	1905	1.18
Thu	2	0032	5.11	1254	5.15	0723	1.41	1952	1.50
Fri	3	0119	4.72	1344	4.87	0807	1.76	2043	1.82
<b>Sat</b>	<b>4</b>	<b>0215</b>	<b>4.34</b>	<b>1446</b>	<b>4.60</b>	<b>0855</b>	<b>2.09</b>	<b>2141</b>	<b>2.10</b>
<b>Sun</b>	<b>5</b>	<b>0330</b>	<b>4.05</b>	<b>1605</b>	<b>4.43</b>	<b>0952</b>	<b>2.34</b>	<b>2250</b>	<b>2.26</b>
Mon	6	0501	3.96	1724	4.41	1100	2.47		
Tue	7	0612	4.04	1826	4.49	0002	2.28	1212	2.44
Wed	8	0702	4.22	1913	4.62	0103	2.16	1313	2.29
Thu	9	0741	4.44	1950	4.76	0150	1.99	1400	2.08
Fri	10	0814	4.67	2023	4.92	0226	1.80	1439	1.86
<b>Sat</b>	<b>11</b>	<b>0845</b>	<b>4.92</b>	<b>2054</b>	<b>5.08</b>	<b>0300</b>	<b>1.59</b>	<b>1515</b>	<b>1.64</b>
<b>Sun</b>	<b>12</b>	<b>0915</b>	<b>5.14</b>	<b>2125</b>	<b>5.24</b>	<b>0333</b>	<b>1.38</b>	<b>1550</b>	<b>1.44</b>
Mon	13	0946	5.32	2158	5.36	0407	1.20	1627	1.29
Tue	14	1020	5.44	2233	5.44	0444	1.07	1705	1.20
Wed	15	1056	5.48	2311	5.43	0523	1.03	1746	1.17
Thu	16	1136	5.43	2354	5.32	0606	1.07	1830	1.23
Fri	17			1220	5.29	0652	1.20	1918	1.34
<b>Sat</b>	<b>18</b>	<b>0043</b>	<b>5.13</b>	<b>1312</b>	<b>5.09</b>	<b>0742</b>	<b>1.39</b>	<b>2012</b>	<b>1.50</b>
<b>Sun</b>	<b>19</b>	<b>0141</b>	<b>4.88</b>	<b>1415</b>	<b>4.88</b>	<b>0838</b>	<b>1.61</b>	<b>2113</b>	<b>1.65</b>
Mon	20	0255	4.65	1534	4.75	0942	1.79	2223	1.73
Tue	21	0424	4.56	1700	4.79	1053	1.87	2338	1.68
Wed	22	0545	4.65	1810	4.96			1208	1.80
Thu	23	0648	4.83	1908	5.17	0050	1.51	1316	1.61
Fri	24	0741	5.04	1958	5.36	0152	1.28	1415	1.38
<b>Sat</b>	<b>25</b>	<b>0827</b>	<b>5.22</b>	<b>2044</b>	<b>5.49</b>	<b>0246</b>	<b>1.07</b>	<b>1507</b>	<b>1.17</b>
<b>Sun</b>	<b>26</b>	<b>0909</b>	<b>5.37</b>	<b>2126</b>	<b>5.54</b>	<b>0334</b>	<b>0.94</b>	<b>1554</b>	<b>1.02</b>
Mon	27	0950	5.46	2208	5.50	0418	0.89	1639	0.96
Tue	28	1030	5.50	2249	5.37	0500	0.94	1723	0.98
Wed	29	1110	5.47	2330	5.18	0541	1.06	1806	1.09
Thu	30	1151	5.38			0621	1.24	1849	1.26

December	Date	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
Fri	Dec-01	0013	4.93	1236	5.22	0701	1.46	1933	1.48
<b>Sat</b>	<b>2</b>	<b>0100</b>	<b>4.67</b>	<b>1324</b>	<b>5.03</b>	<b>0742</b>	<b>1.69</b>	<b>2019</b>	<b>1.71</b>
<b>Sun</b>	<b>3</b>	<b>0151</b>	<b>4.41</b>	<b>1418</b>	<b>4.82</b>	<b>0825</b>	<b>1.92</b>	<b>2108</b>	<b>1.93</b>
Mon	4	0251	4.21	1520	4.63	0913	2.12	2200	2.10
Tue	5	0401	4.11	1626	4.51	1006	2.28	2256	2.20
Wed	6	0508	4.11	1726	4.47	1106	2.36	2353	2.21
Thu	7	0604	4.21	1817	4.49			1208	2.35
Fri	8	0650	4.36	1901	4.56	0047	2.13	1305	2.25
<b>Sat</b>	<b>9</b>	<b>0730</b>	<b>4.54</b>	<b>1939</b>	<b>4.69</b>	<b>0135</b>	<b>1.99</b>	<b>1355</b>	<b>2.09</b>
<b>Sun</b>	<b>10</b>	<b>0806</b>	<b>4.75</b>	<b>2016</b>	<b>4.85</b>	<b>0218</b>	<b>1.79</b>	<b>1440</b>	<b>1.89</b>
Mon	11	0841	4.96	2053	5.03	0300	1.58	1522	1.67
Tue	12	0918	5.16	2131	5.21	0342	1.37	1605	1.46
Wed	13	0957	5.33	2212	5.34	0424	1.19	1648	1.28
Thu	14	1038	5.44	2257	5.40	0508	1.07	1733	1.15
Fri	15	1123	5.47	2344	5.37	0554	1.01	1820	1.09
<b>Sat</b>	<b>16</b>			<b>1211</b>	<b>5.44</b>	<b>0642</b>	<b>1.04</b>	<b>1909</b>	<b>1.10</b>
<b>Sun</b>	<b>17</b>	<b>0036</b>	<b>5.25</b>	<b>1305</b>	<b>5.33</b>	<b>0731</b>	<b>1.14</b>	<b>2002</b>	<b>1.18</b>
Mon	18	0134	5.07	1405	5.19	0824	1.30	2058	1.30
Tue	19	0241	4.88	1515	5.07	0922	1.48	2200	1.44
Wed	20	0357	4.74	1629	5.00	1024	1.64	2307	1.53
Thu	21	0511	4.71	1738	5.01	1133	1.73		
Fri	22	0617	4.75	1840	5.05	0017	1.55	1244	1.71
<b>Sat</b>	<b>23</b>	<b>0714</b>	<b>4.85</b>	<b>1935</b>	<b>5.10</b>	<b>0125</b>	<b>1.49</b>	<b>1350</b>	<b>1.60</b>
<b>Sun</b>	<b>24</b>	<b>0805</b>	<b>4.98</b>	<b>2025</b>	<b>5.14</b>	<b>0224</b>	<b>1.39</b>	<b>1448</b>	<b>1.45</b>
Mon	25	0851	5.11	2111	5.15	0315	1.30	1539	1.31
Tue	26	0934	5.24	2154	5.13	0401	1.25	1626	1.21
Wed	27	1015	5.34	2236	5.08	0444	1.23	1710	1.17
Thu	28	1056	5.40	2316	5.00	0523	1.25	1751	1.18
Fri	29	1137	5.41	2358	4.90	0601	1.30	1831	1.25
<b>Sat</b>	<b>30</b>			<b>1218</b>	<b>5.35</b>	<b>0638</b>	<b>1.39</b>	<b>1910</b>	<b>1.36</b>
<b>Sun</b>	<b>31</b>	<b>0040</b>	<b>4.78</b>	<b>1301</b>	<b>5.23</b>	<b>0716</b>	<b>1.51</b>	<b>1949</b>	<b>1.52</b>

