



NORTH WESSEX AREA

Tide Table 2001

Ilfracombe

Porlock Bay

Minehead

Hinkley Point

Bridgwater

Burnham-on-Sea

Weston-super-Mare

Clevedon

Avonmouth

Cumberland Basin Entrance

Tide heights are given in metres relative to Ordnance Datum (Newlyn). Tide times are to GMT (add 1 hour if BST : 25 March 2001 to 28 October 2001 inclusive).

LOCAL DATA

For tide heights to local chart datum at :

Ilfracombe	add 4.80m
Porlock Bay	add 5.20m
Minehead	add 5.40m
Hinkley Point	add 5.90m
Bridgwater	subtract 1.50m
Burnham-on-Sea	add 5.13m
Weston-Super-Mare	add 6.00m
Clevedon	add 6.50m
Avonmouth	add 6.50m
Cumberland Basin Entrance	add 3.35m

HINKLEY POINT DATA

Highest Astronomical Tide	7.13mAOD
Mean High Water Springs	5.6mAOD
Mean High Water Neaps	2.5mAOD

PARRETT BORE

When low freshwater flows coincide with spring tides, a bore runs up the R.Parrett on the incoming tide. It passes Bridgwater Dock 1hr 37min before predicted high water at Bridgwater.

NOTABLE EVENTS AT BRIDGWATER

<u>Year</u>	<u>Predicted</u>	<u>Actual</u>
1936	5.7	7.8
1974	6.9	7.9
1981	6.5	7.9
1995 (Feb)	6.4	7.7

These predictions have been computed using 'POLTIPS for Windows', Proudman Oceanographic Laboratory Tidal Prediction Software. Hinkley Point HAT is based upon research by Proudman Oceanographic Laboratory. Copyright reserved on all predictions.

ILFRACOMBE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February							
	Time	m			Time	m					
1	0309	-2.35	16	0424	-2.87	1	0358	-2.33	16	0527	-1.93
M	0942	2.96	Tu	1052	3.48	Th	1037	2.81	F	1201	2.25
	1540	-2.28		1659	-2.64		1632	-2.25		1608	-1.64
	2200	2.81		2323	2.96		2300	2.52			
2	0351	-2.04	17	0519	-2.38	2	0454	-2.02	17	0042	2.02
Tu	1028	2.68	W	1150	2.97	F	1136	2.53	Sa	0851	-1.56
	1829	-2.00		1800	-2.19		1737	-2.00		1321	1.83
	2250	2.35								1939	-1.48
3	0445	-1.77	18	0025	2.57	3	0008	2.32	18	0209	2.02
W	1124	2.45	Th	0628	-2.02		0813	-1.84		0821	-1.63
	1730	-1.84		1256	2.81	Sa	1252	2.42		1448	2.05
	2353	2.21		1912	-1.94		1900	-1.97		2102	-1.75
4	0557	-1.66	19	0136	2.41	4	0130	2.39	19	0325	2.41
Th	1232	2.42	F	0745	-1.92		0744	-1.99		0930	-2.04
	1842	-1.89		1409	2.51	Su	1415	2.64	M	1555	2.49
				2027	-1.97		2025	-2.26		2201	-2.23
5	0105	2.31	20	0248	2.55	5	0251	2.83	20	0421	2.64
F	0715	-1.82		0855	-2.07		0906	-2.48		1022	-2.53
	1343	2.63	Sa	1518	2.68		1531	3.15		1645	2.68
	1953	-2.17		2130	-2.21		2139	-2.64	Tu	2245	-2.70
6	0827	2.87	21	0349	2.89	6	0400	3.48	21	0805	3.40
Sa	0217	-2.21	Su	0953	-2.38		1014	-3.13		1103	-2.86
	1451	3.04		1815	2.95	Tu	1835	3.78		1725	3.38
	2058	-2.62		2220	-2.54		2240	-3.46		2321	-3.09
7	0321	3.21	22	0439	3.28	7	0458	4.13	22	0542	3.75
Su	0930	-2.74	M	1039	-2.71		1111	-3.76		1136	-3.29
	1553	3.56		1701	3.25	W	1730	4.34		1759	3.66
	2157	-3.13		2302	-2.88		2333	-3.99		2354	-3.38
8	0419	3.79	23	0521	3.58	8	0551	4.87	23	0815	3.87
M	1026	-3.25	Tu	1119	-3.00		1202	-4.24	F	1211	-3.53
	1848	4.05		1741	3.50		1821	4.75		1831	3.86
	2251	-3.59		2338	-3.11						
9	0512	4.29	24	0559	3.81	9	0021	-4.37	24	0025	-3.57
Tu	1119	-3.74		1155	-3.23		0639	5.03		0847	4.11
	1741	4.45	W	1817	3.67	F	1250	-4.53	Sa	1242	-3.69
	2342	-3.86					1808	4.98		1901	3.89
10	0601	4.87	25	0012	-3.29	10	0107	-4.55	25	0058	-3.69
W	1210	-4.07	Th	0833	3.94		0726	5.17		0718	4.18
	1830	4.70		1229	-3.38	Sa	1336	-4.59		1313	-3.78
				1850	3.77		1952	4.95		1931	4.05
11	0031	-4.18	26	0044	-3.39	11	0151	-4.50	26	0128	-3.72
Th	0850	4.89		0706	4.00		0811	5.07		0748	4.17
	1300	-4.24	F	1302	-3.45		1418	-4.40	M	1345	-3.73
	1919	4.78		1921	3.80	Su	2035	4.71		2001	4.00
12	0119	-4.23	27	0115	-3.41	12	0232	-4.22	27	0155	-3.82
F	0739	4.93		0738	3.99		0853	4.74		0819	4.05
	1348	-4.23	Sa	1334	-3.44		1458	-3.99		1414	-3.57
	2007	4.87		1853	3.78		2116	4.28	Tu	2032	3.83
13	0206	-4.10	28	0148	-3.35	13	0310	-3.75	28	0224	-3.40
Sa	0826	4.78		0810	3.89		0634	4.21		0851	3.81
	1438	-4.02	Su	1408	-3.34		1534	-3.42		1443	-3.30
	2054	4.39		2024	3.63		2158	3.68	W	2103	3.56
14	0251	-3.80	29	0217	-3.19	14	0347	-3.18			
	0814	4.48		0842	3.71		1015	3.55			
	1522	-3.64	M	1439	-3.14	W	1611	-2.78			
	2142	3.96		2058	3.42		2239	3.03			
15	0336	-3.36	30	0247	-2.95	15	0429	-2.53			
M	1002	4.00	Tu	0915	3.45		1101	2.86			
	1609	-3.15		1510	-2.87		1657	-2.15			
	2230	3.48		2120	3.14		2331	2.43			
			31	0319	-2.85						
			W	0952	3.14						
				1548	-2.56						
				2209	2.83						

ILFRACOMBE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

March			April		
	Time	m		Time	m
1	0253	-3.10	1	0400	-2.40
Th	0924	3.47	Su	1040	-2.80
	1515	-2.95		1634	-2.12
	2139	3.19		2309	2.44
2	0327	-2.72	2	0521	-1.95
F	1004	3.05	M	1201	2.20
	1554	-2.54		1810	-1.80
	2224	2.77			
3	0415	-2.29	3	0642	2.26
Sa	1059	2.60		0711	-1.96
	1654	-2.10	Tu	1340	2.30
	2327	2.37		1955	-2.05
4	0533	-1.89	4	0218	2.65
Su	1216	2.26		0844	-2.51
	1824	-1.84	W	1505	2.81
				2115	-2.72
5	0657	2.23	5	0333	3.38
M	0719	-1.88		0951	-3.25
	1352	2.35	Th	1606	3.66
	2006	-2.06		2212	-3.45
6	0232	2.60	6	0430	4.09
Tu	0854	-2.40		1042	-3.69
	1518	2.91	F	1700	4.28
	2128	-2.70		2300	-4.04
7	0348	3.33	7	0518	4.62
W	1005	-3.15		1128	-4.32
	1624	3.66	Sa	1745	4.69
	2229	-3.43		2344	-4.41
8	0447	4.09	8	0603	4.92
Th	1100	-3.88		1209	-4.53
	1718	4.33	Su	1828	4.69
	2320	-4.06			
9	0538	4.70	9	0025	-4.57
F	1148	-4.38		0644	4.99
	1806	4.80	M	1249	-4.53
				1805	4.88
10	0008	-4.50	10	0103	-4.50
Sa	0624	5.08		0723	4.85
	1233	-4.67	Tu	1325	-4.32
	1849	5.04		1942	4.67
11	0048	-4.70	11	0139	-4.23
Su	0707	5.22		0800	4.51
	1315	-4.72	W	1358	-3.92
	1930	5.04		2017	4.28
12	0130	-4.68	12	0212	-3.78
M	0748	5.11		0834	3.99
	1354	-4.51	Th	1427	-3.40
	2010	4.81		2051	3.74
13	0207	-4.38	13	0242	-3.21
Tu	0827	4.75		0907	3.37
	1428	-4.08	F	1454	-2.81
	2047	4.38		2124	3.13
14	0241	-3.89	14	0315	-2.60
W	0903	4.18		0943	2.70
	1459	-3.49	Sa	1528	-2.20
	2122	3.78		2205	2.50
15	0312	-3.27	15	0400	-1.98
Th	0939	3.49		1029	2.06
	1529	-2.83	Su	1618	-1.59
	2158	3.09		2303	1.94
16	0347	-2.59	16	0513	-1.47
F	1018	2.75		1139	1.57
	1605	-2.16	M	1751	-1.16
	2242	2.41			
17	0435	-1.92	17	0633	1.67
Sa	1109	2.06		0854	-1.36
	1703	-1.53	Tu	1318	1.50
	2348	1.86		1939	-1.28
18	0558	-1.41	18	0204	1.91
Su	1229	1.58		0816	-1.71
	1846	-1.19	W	1443	1.93
				2051	-1.79
19	0124	1.70	19	0312	2.46
M	0741	-1.39		0915	-2.27
	1411	1.65	Th	1539	2.53
	2028	-1.43		2142	-2.38
20	0254	2.08	20	0400	3.03
Tu	0901	-1.83		1000	-2.81
	1526	2.17	F	1621	3.59
	2134	-1.99		2221	-2.90
21	0354	2.89	21	0439	3.50
W	0955	-2.41		1036	-3.25
	1620	2.77	Sa	1856	3.55
	2220	-2.57		2257	-3.31
22	0439	3.25	22	0515	3.87
Th	1037	-2.93		1113	-3.59
	1659	3.28	Su	1732	3.91
	2257	-3.05		2330	-3.62
23	0515	3.67	23	0549	4.13
F	1112	-3.34		1147	-3.83
	1733	3.66	M	1806	4.17
	2330	-3.41			
24	0549	3.97	24	0003	-3.83
Sa	1145	-3.83		0624	4.31
	1805	3.94	Tu	1220	-3.97
				1839	4.34
25	0000	-3.68	25	0036	-3.84
Su	0621	4.17		0656	4.38
	1217	-3.83	W	1254	-4.00
	1836	4.14		1913	4.37
26	0031	-3.85	26	0110	-3.91
M	0652	4.30		0733	4.31
	1248	-3.95	Th	1329	-3.88
	1908	4.25		1948	4.28
27	0102	-3.91	27	0145	-3.73
Tu	0724	4.34		0811	4.06
	1319	-3.95	F	1404	-3.60
	1937	4.25		2025	3.98
28	0133	-3.85	28	0223	-3.41
W	0755	4.25		0851	3.70
	1350	-3.81	Sa	1442	-3.19
	2009	4.11		2106	3.56
29	0203	-3.65	29	0306	-2.98
Th	0828	4.01		0937	3.20
	1421	-3.53	Su	1530	-2.70
	2041	3.83		2157	3.08
30	0233	-3.32	30	0403	-2.50
F	0903	3.83		1037	2.89
	1453	-3.14	M	1635	-2.22
	2118	3.42		2308	2.65
31	0309	-2.90			
Sa	0945	3.15			
	1534	-2.65			
	2203	2.93			

ILFRACOMBE**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

May			June		
	Time	m		Time	m
1	0528	-2.17	1	0133	3.07
Tu	1157	2.37	F	0755	-2.72
	1806	-1.99		1414	3.01
				2022	-2.73
2	0034	2.54	2	0241	3.36
W	0703	-2.23	Sa	0857	-3.02
	1327	2.50		1515	3.37
	1939	-2.23		2120	-3.08
3	0200	2.88	3	0339	3.64
Th	0825	-2.68	Su	0950	-3.29
	1444	3.01		1608	3.69
	2052	-2.70		2209	-3.36
4	0310	3.45	4	0429	3.85
F	0927	-3.24		1036	-3.48
	1545	3.80	M	1654	3.92
	2149	-3.37		2254	-3.54
5	0406	3.98	5	0514	3.98
Sa	1018	-3.70	Tu	1117	-3.58
	1635	4.08		1736	4.05
	2236	-3.80		2334	-3.63
6	0454	4.34	6	0555	3.98
Su	1103	-3.99	W	1156	-3.60
	1719	4.38		1815	4.10
	2318	-4.06			
7	0538	4.51	7	0013	-3.63
M	1143	-4.12	Th	0634	3.92
	1800	4.52		1232	-3.54
	2359	-4.18		1853	4.04
8	0618	4.53	8	0050	-3.53
Tu	1221	-4.10	F	0712	3.79
	1839	4.52		1307	-3.39
				1929	3.89
9	0037	-4.10	9	0125	-3.35
W	0857	4.40	Sa	0747	3.57
	1257	-3.94		1339	-3.16
	1915	4.37		2005	3.65
10	0112	-3.89	10	0200	-3.10
Th	0733	4.13	Su	0822	3.28
	1330	-3.65		1412	-2.86
	1951	4.08		2040	3.33
11	0146	-3.55	11	0239	-2.79
F	0808	3.74	M	0857	2.93
	1400	-3.25		1446	-2.53
	2025	3.87		2118	2.98
12	0218	-3.12	12	0315	-2.46
Sa	0842	3.27	Tu	0936	2.58
	1430	-2.78		1526	-2.17
	2100	3.19		2201	2.63
13	0253	-2.64	13	0403	-2.13
Su	0918	2.75	W	1022	2.24
	1504	-2.29		1616	-1.64
	2139	2.89		2254	2.33
14	0336	-2.15	14	0502	-1.88
M	1000	2.24	Th	1119	2.00
	1549	-1.80		1724	-1.82
	2230	2.22		2357	2.18
15	0436	-1.73	15	0610	-1.81
Tu	1058	1.82	F	1226	1.96
	1700	-1.41		1839	-1.65
	2340	1.92			
16	0559	-1.54	16	0103	2.25
W	1216	1.64	Sa	0717	-1.97
	1834	-1.34		1334	2.17
				1946	-1.91
17	0101	1.94	17	0207	2.53
Th	0718	-1.70	Su	0815	-2.30
	1337	1.83		1436	2.57
	1952	-1.64		2043	-2.32
18	0212	2.28	18	0304	2.94
F	0821	-2.09	M	0909	-2.71
	1442	2.29		1530	3.07
	2050	-2.12		2134	-2.77
19	0307	2.78	19	0356	3.38
Sa	0912	-2.57	Tu	0957	-3.13
	1533	2.83		1619	3.56
	2136	-2.63		2221	-3.19
20	0354	3.74	20	0445	3.78
Su	0958	-3.02	W	1044	-3.49
	1615	3.34		1706	3.97
	2217	-3.07		2308	-3.54
21	0436	3.66	21	0532	4.10
M	1036	-3.40	Th	1130	-3.77
	1655	3.77		1751	4.28
	2255	-3.44		2354	-3.80
22	0515	3.99	22	0618	4.30
Tu	1114	-3.69	F	1216	-3.93
	1734	4.11		1836	4.46
	2333	-3.70			
23	0555	4.23	23	0042	-3.94
W	1153	-3.89	Sa	0705	4.37
	1812	4.33		1303	-3.87
				1923	4.50
24	0012	-3.87	24	0130	-3.95
Th	0636	4.34	Su	0753	4.30
	1232	-3.96		1351	-3.88
	1852	4.41		2011	4.40
25	0053	-3.90	25	0220	-3.81
F	0717	4.32	M	0842	4.09
	1313	-3.89		1439	-3.63
	1933	4.35		2100	4.17
26	0136	-3.78	26	0311	-3.56
Sa	0800	4.13	Tu	0932	3.77
	1358	-3.67		1530	-3.31
	2018	4.12		2153	3.65
27	0221	-3.53	27	0405	-3.23
Su	0845	3.81	W	1026	3.41
	1442	-3.32		1624	-2.96
	2103	3.78		2250	3.52
28	0311	-3.18	28	0503	-2.90
M	0937	3.39	Th	1124	3.08
	1533	-2.91		1728	-2.66
	2158	3.39		2352	3.23
29	0411	-2.81	29	0608	-2.65
Tu	1036	2.99	F	1229	2.87
	1636	-2.54		1835	-2.46
	2303	3.06			
30	0522	-2.55	30	0059	3.05
W	1146	2.74	Sa	0717	-2.54
	1752	-2.35		1337	2.83
				1945	-2.48
31	0018	2.94			
Th	0642	-2.52			
	1302	2.75			
	1912	-2.43			

ILFRACOMBE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

July				August			
	Time	m			Time	m	
1	0206	3.02		1	0348	2.77	
Su	0823	-2.58		W	0956	-2.43	
	1442	2.97			1817	3.10	
	2048	-2.82			2218	-2.83	
2	0309	3.12		2	0442	3.07	
M	0921	-2.73		Th	1042	-2.78	
	1541	3.20			1704	3.45	
	2145	-2.82			2303	-2.93	
3	0406	3.27		3	0525	3.34	
Tu	1012	-2.91		F	1122	-3.03	
	1632	3.45			1744	3.70	
	2233	-3.01			2340	-3.17	
4	0454	3.42		4	0603	3.53	
W	1057	-3.08		Sa	1157	-3.22	
	1717	3.65			1820	3.85	
	2315	-3.18		5	0615	-3.33	
5	0538	3.54		Su	0838	3.65	
Th	1136	-3.21			1230	-3.34	
	1758	3.79			1854	3.93	
	2355	-3.29		6	0646	-3.43	
6	0618	3.90		M	0710	3.71	
F	1213	-3.29			1302	-3.39	
	1836	3.95			1826	3.94	
7	0632	-3.33		7	0121	-3.45	
Sa	0854	3.81		Tu	0742	3.69	
	1248	-3.29			1333	-3.36	
	1912	3.83			1958	3.87	
8	0108	-3.32		8	0153	-3.37	
Su	0729	3.55		W	0812	3.60	
	1321	-3.22			1403	-3.23	
	1948	3.74			2030	3.71	
9	0142	-3.23		9	0224	-3.20	
M	0803	3.43		Th	0843	3.42	
	1354	-3.06			1433	-3.00	
	2021	3.57			2101	3.47	
10	0216	-3.07		10	0255	-2.93	
Tu	0838	3.24		F	0915	3.18	
	1427	-2.87			1503	-2.70	
	2055	3.35			2135	3.18	
11	0251	-2.84		11	0327	-2.81	
W	0911	3.00		Sa	0950	2.85	
	1500	-2.81			1537	-2.36	
	2132	3.07			2214	2.82	
12	0329	-2.57		12	0408	-2.28	
Th	0948	2.72		Su	1033	2.53	
	1538	-2.31			1624	-2.01	
	2212	2.78			2305	2.49	
13	0411	-2.28		13	0502	-1.97	
F	1030	2.45		M	1133	2.27	
	1623	-2.02			1734	-1.74	
	2300	2.52		14	0615	2.28	
14	0502	-2.04		Tu	0822	-1.82	
Sa	1123	2.24			1251	2.22	
	1723	-1.81			1908	-1.78	
	2359	2.36		15	0138	2.36	
15	0606	-1.94		W	0749	-2.01	
Su	1228	2.19			1418	2.54	
	1838	-1.79			2032	-2.17	
16	0108	2.39		16	0258	2.79	
M	0718	-2.05		Th	0906	-2.51	
	1339	2.37			1530	3.15	
	1950	-2.03			2143	-2.80	
17	0216	2.64		17	0406	3.42	
Tu	0823	-2.37		F	1010	-3.14	
	1448	2.79			1631	3.83	
	2056	-2.45			2242	-3.48	
18	0321	3.07		18	0503	4.04	
W	0925	-2.81		Sa	1105	-3.72	
	1549	3.32			1724	4.43	
	2158	-2.95			2334	-4.02	
19	0421	3.56		19	0554	4.53	
Th	1022	-3.28		Su	1154	-4.17	
	1645	3.85			1813	4.87	
	2251	-3.44		20	0623	-4.40	
20	0515	4.00		M	0842	4.84	
F	1115	-3.69			1241	-4.45	
	1738	4.29			1900	5.12	
	2343	-3.85		21	0110	-4.56	
21	0608	4.35		Tu	0728	4.94	
Sa	1205	-4.00			1328	-4.51	
	1825	4.61			1948	5.14	
22	0634	-4.13		22	0154	-4.49	
Su	0855	4.56		W	0812	4.82	
	1254	-4.18			1409	-4.33	
	1914	4.78			2030	4.91	
23	0124	-4.26		23	0236	-4.17	
M	0743	4.61		Th	0854	4.47	
	1342	-4.19			1450	-3.93	
	2002	4.79			2112	4.48	
24	0212	-4.20		24	0315	-3.65	
Tu	0830	4.48		F	0938	3.94	
	1429	-4.03			1529	-3.36	
	2050	4.61			2154	3.83	
25	0259	-3.96		25	0354	-3.00	
W	0918	4.19		Sa	1018	3.31	
	1514	-3.71			1610	-2.71	
	2137	4.26			2240	3.12	
26	0345	-3.55		26	0436	-2.34	
Th	1004	3.78		Su	1108	2.87	
	1600	-3.27			1703	-2.07	
	2226	3.79			2336	2.45	
27	0432	-3.08		27	0538	-1.75	
F	1054	3.27		M	1215	2.19	
	1650	-2.78			1823	-1.61	
	2318	3.27		28	0052	2.02	
28	0525	-2.56		Tu	0709	-1.47	
Sa	1150	2.81			1341	2.07	
	1751	-2.33			1957	-1.58	
29	0618	2.80		29	0221	2.03	
Su	0830	-2.17		W	0839	-1.65	
	1257	2.51			1502	2.41	
	1904	-2.06			2112	-1.94	
30	0130	2.52		30	0335	2.43	
M	0748	-2.02		Th	0942	-2.12	
	1411	2.49			1603	2.94	
	2021	-2.07			2208	-2.43	
31	0244	2.53		31	0428	2.93	
Tu	0857	-2.15		F	1028	-2.60	
	1520	2.74			1648	3.42	
	2126	-2.31			2247	-2.88	

Year : 2001

Computed and formatted by POLTIPS for Windows; Proudman Oceanographic Laboratory Prediction Software

ILFRACOMBE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November				December				
	Time	m		Time	m		Time	m
1	0549	4.17	16	0001	-4.04	1	0556	4.25
Th	1146	-3.57	F	0618	4.72	Sa	1155	-3.53
	1806	4.31		1218	-4.03		1618	4.28
				1837	4.64			
2	0003	-3.70	17	0038	-3.89	2	0014	-3.66
F	0621	-4.30		0657	4.59	Su	0633	4.36
	1217	-3.64	Sa	1256	-3.83		1233	-3.59
	1839	4.35		1916	4.37		1857	4.28
3	0034	-3.70	18	0115	-3.60	3	0052	-3.83
Sa	0654	4.32		0735	4.31	M	0712	4.33
	1249	-3.59	Su	1332	-3.48		1313	-3.52
	1913	4.27		1954	3.98		1937	4.14
4	0107	-3.58	19	0148	-3.18	4	0133	-3.47
	0727	4.21		0812	3.69		0753	4.17
Su	1322	-3.41	M	1406	-3.02	Tu	1356	-3.32
	1948	4.05		2030	3.45		2021	3.68
5	0140	-3.33	20	0219	-2.69	5	0216	-3.18
M	0802	3.96		0848	3.39		0838	3.88
	1357	-3.11	Tu	1442	-2.52	W	1444	-3.02
	2026	3.69		2107	2.90		2109	3.51
6	0216	-2.95	21	0252	-2.18	6	0304	-2.81
	0841	3.58		0929	2.80		0929	3.52
Tu	1437	-2.71	W	1523	-2.02	Th	1539	-2.68
	2109	3.22		2150	2.37		2205	3.12
7	0259	-2.48	22	0336	-1.68	7	0402	-2.44
	0928	3.12		1019	2.37		1030	3.19
W	1529	-2.25	Th	1620	-1.57	F	1645	-2.39
	2205	2.73		2245	1.92		2310	2.81
8	0359	-2.00	23	0441	-1.26	8	0513	-2.18
	1031	2.69		1127	2.04		1141	2.99
Th	1649	-1.87	F	1742	-1.33	Sa	1803	-2.27
	2321	2.37						
9	0527	-1.70	24	0002	1.70	9	0024	2.73
	1157	2.52		0618	-1.13		0633	-2.16
F	1828	-1.87	Sa	1248	2.02	Su	1256	3.04
				1905	-1.44		1921	-2.40
10	0051	2.41	25	0124	1.84	10	0139	2.91
	0709	-1.87		0740	-1.38		0749	-2.40
Sa	1326	2.80	Su	1400	2.31	M	1406	3.28
	1955	-2.30		2011	-1.81		2026	-2.70
11	0212	2.89	26	0230	2.28	11	0245	3.26
	0824	-2.42		0840	-1.84		0853	-2.77
Su	1439	3.38	M	1456	2.78	Tu	1510	3.61
	2101	-2.91		2102	-2.26		2127	-3.02
12	0316	3.53	27	0321	2.78	12	0342	3.65
	0923	-3.05		0926	-2.32		0947	-3.12
M	1539	3.99	Tu	1542	3.21	W	1605	3.89
	2154	-3.45		2145	-2.70		2216	-3.29
13	0409	4.09	28	0403	3.27	13	0432	3.86
	1012	-3.57		1006	-2.76		1035	-3.38
Tu	1629	4.44	W	1623	3.62	Th	1654	4.08
	2239	-3.83		2224	-3.08		2300	-3.46
14	0455	4.48	29	0442	3.70	14	0517	4.16
	1058	-3.91		1043	-3.11		1118	-3.53
W	1714	4.69	Th	1701	3.94	F	1738	4.16
	2321	-4.02		2300	-3.37		2342	-3.54
15	0537	4.68	30	0519	4.03	15	0559	4.28
	1136	-4.08		1119	-3.37		1200	-3.56
Th	1757	4.75	F	1739	4.16	Sa	1820	4.14
				2337	-3.57			

PORLOCK BAY

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February			
	Time	m			Time	m	
1	0306	-2.52	16	0446	-3.25	16	0539 -2.01
	0958	3.32		1114	4.04		1212 2.71
M	1538	-2.45	Tu	1720	-2.97	F	1809 -1.59
	2217	3.07		2342	3.51		
2	0354	-2.19	17	0545	-2.68	2	0511 -2.12
	1041	2.99		1208	3.48		0511 -2.12
Tu	1833	-2.12	W	1818	-2.38	F	1755 -1.98
	2303	2.77					
3	0452	-1.87	18	0042	3.09	3	0020 2.75
	1134	2.75		0849	-2.10		0828 -1.78
W	1737	-1.84	Th	1311	3.08	Sa	1311 2.79
				1826	-1.93		1925 -1.78
4	0002	2.59	19	0151	2.83	4	0152 2.85
	0604	-1.81		0801	-1.81		0811 -1.78
Th	1248	2.71	F	1423	2.95	Su	1438 3.14
	1857	-1.71		2035	-1.85		2055 -2.23
5	0121	2.88	20	0302	2.97	5	0312 3.42
	0730	-1.59		0907	-2.01		0926 -2.51
F	1405	3.01	Sa	1533	3.13	M	1550 3.77
	2021	-2.01		2133	-2.20		2154 -3.05
6	0238	3.15	21	0404	3.36	6	0419 4.10
	0852	-2.10		0956	-2.50		1021 -3.32
Sa	1513	3.58	Su	1631	3.49	Tu	1654 4.45
	2124	-2.72		2217	-2.71		2246 -3.78
7	0342	3.83	22	0456	3.82	7	0519 4.83
	0948	-2.88		1036	-2.99		1114 -4.01
Su	1613	4.21	M	1720	3.85	W	1752 5.02
	2214	-3.43		2254	-3.14		2337 -4.37
8	0439	4.49	23	0540	4.19	8	0613 5.35
	1038	-3.58		1112	-3.34		1205 -4.58
M	1709	4.74	Tu	1802	4.12	Th	1843 5.42
	2300	-3.98		2329	-3.41		
9	0533	5.00	24	0618	4.42	9	0627 -4.83
	1124	-4.05		1147	-3.53		0702 5.69
Tu	1803	5.12	W	1839	4.28	F	1254 -4.97
	2348	-4.35					1930 5.85
10	0624	5.35	25	0003	-3.54	10	0115 -5.09
	1213	-4.39		0654	4.54		0748 5.84
W	1853	5.38	Th	1221	-3.83	Sa	1342 -5.10
				1913	4.37		2015 5.68
11	0035	-4.57	26	0036	-3.58	11	0201 -5.08
	0713	5.55		0727	4.58		0631 5.78
Th	1302	-4.58	F	1255	-3.67	Su	1428 -4.91
	1942	5.45		1943	4.41		2057 5.47
12	0124	-4.64	27	0106	-3.58	12	0245 -4.77
	0801	5.80		0759	4.58		0915 5.48
F	1352	-4.80	Sa	1329	-3.87	M	1510 -4.45
	2029	5.38		2014	4.42		2139 4.99
13	0214	-4.52	28	0142	-3.54	13	0328 -4.22
	0848	5.48		0830	4.50		0955 4.67
Sa	1445	-4.41	Su	1403	-3.59	Tu	1550 -3.79
	2117	5.11		2048	4.32		2218 4.32
14	0304	-4.23	29	0214	-3.41	14	0406 -3.52
	0938	5.12		0903	4.29		1037 4.13
Su	1534	-4.04	M	1440	-3.39	W	1629 -3.05
	2204	4.66		2118	4.08		2259 3.57
15	0355	-3.79	30	0249	-3.18	15	0449 -2.77
	1024	4.62		0937	3.95		1120 3.37
M	1628	-3.54	Tu	1518	-3.08	Th	1714 -2.31
	2252	4.09		2152	3.70		2345 2.89
			31	0329	-2.84		
				1011	3.58		
				1559	-2.72		
				2229	3.32		

PORLOCK BAY**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

May			June		
	Time	m		Time	m
1	0524	-2.37	1	0152	3.55
Tu	1215	2.78		0811	-2.98
	1814	-2.09	F	1433	3.52
				2040	-3.00
2	0050	2.98	2	0301	3.88
W	0714	-2.28		0811	-3.25
	1341	2.84	Sa	1537	3.90
	1957	-2.31		2138	-3.34
3	0215	3.33	3	0401	4.18
Th	0837	-2.81		1004	-3.48
	1501	3.50	Su	1631	4.24
	2108	-3.01		2228	-3.83
4	0330	3.97	4	0453	4.39
F	0940	-3.48		1048	-3.87
	1606	4.18	M	1717	4.48
	2206	-3.72		2305	-3.80
5	0429	4.58	5	0537	4.50
Sa	1032	-4.04		1125	-3.73
	1700	4.70	Tu	1759	4.60
	2252	-4.25		2342	-3.85
6	0519	4.83	6	0818	4.58
Su	1114	-4.37		1159	-3.73
	1743	4.98	W	1837	4.70
	2332	-4.51			
7	0602	5.09	7	0014	-3.88
M	1152	-4.44		0658	4.57
	1823	5.13	Th	1230	-3.71
				1915	4.88
8	0008	4.58	8	0045	-3.81
Tu	0840	5.15		0733	4.47
	1226	-4.37	F	1259	-3.81
	1900	5.18		1951	4.53
9	0039	4.48	9	0118	-3.88
W	0718	5.11		0810	4.20
	1256	-4.21	Sa	1328	-3.38
	1938	5.10		2025	4.19
10	0108	-4.30	10	0148	-3.39
Th	0754	4.89		0844	3.81
	1323	-3.87	Su	1356	-3.08
	2011	4.79		2059	3.75
11	0138	-3.99	11	0219	-3.08
F	0829	4.43		0916	3.38
	1350	-3.58	M	1430	-2.72
	2045	4.25		2133	3.30
12	0207	-3.53	12	0259	-2.71
Sa	0902	3.81		0952	2.97
	1418	-3.09	Tu	1512	-2.37
	2117	3.80		2213	2.90
13	0238	-3.00	13	0347	-2.38
Su	0833	3.15		1034	2.81
	1449	-2.57	W	1605	-2.01
	2149	2.97		2303	2.57
14	0316	-2.48	14	0449	-2.02
M	1010	2.58		1129	2.38
	1532	-2.04	Th	1711	-1.68
	2233	2.42			
15	0409	-1.92	15	0008	2.40
Tu	1102	2.09		0604	-1.77
	1831	-1.49	F	1237	2.30
	2342	2.05		1831	-1.48
16	0524	-1.43	16	0120	2.52
W	1222	1.87		0728	-1.81
	1756	-1.04	Sa	1352	2.56
				1959	-1.68
17	0114	2.08	17	0227	2.93
Th	0719	-1.33		0841	-2.29
	1352	2.12	Su	1455	3.09
	2002	-1.22		2105	-2.32
18	0229	2.57	18	0325	3.49
F	0843	-2.01		0932	-2.85
	1458	2.72	M	1550	3.72
	2105	-2.05		2153	-3.02
19	0325	3.22	19	0417	4.04
Sa	0928	-2.78		1015	-3.54
	1549	3.39	Tu	1640	4.28
	2147	-2.83		2235	-3.59
20	0411	3.82	20	0508	4.49
Su	1007	-3.41		1058	-3.98
	1633	3.99	W	1728	4.72
	2225	-3.43		2317	-3.99
21	0454	4.31	21	0555	4.79
M	1045	-3.86		1139	-4.25
	1714	4.48	Th	1815	5.00
	2303	-3.87			
22	0535	4.88	22	0001	-4.23
Tu	1122	-4.19		0642	4.08
	1754	4.81	F	1223	-4.37
	2340	-4.18		1801	5.14
23	0615	4.90	23	0048	4.33
W	1201	-4.40		0729	5.01
	1834	5.03	Sa	1308	-4.38
				1947	5.18
24	0019	-4.38	24	0135	-4.30
Th	0657	5.01		0817	4.84
	1238	-4.48	Su	1356	-4.22
	1915	5.10		2034	5.04
25	0057	-4.38	25	0228	-4.18
F	0739	4.96		0905	4.73
	1318	-4.33	M	1448	-3.98
	1955	5.00		2124	4.78
26	0137	-4.19	26	0321	-3.92
Sa	0822	4.74		0956	4.40
	1357	-4.04	Tu	1543	-3.70
	2040	4.73		2217	4.40
27	0218	-3.89	27	0419	-3.83
Su	0909	4.38		1050	4.01
	1440	-3.67	W	1645	-3.38
	2128	4.32		2312	4.08
28	0308	-3.53	28	0524	-3.32
M	1000	3.90		1147	3.84
	1533	-3.25	Th	1753	-3.05
	2220	3.88			
29	0412	-3.14	29	0013	3.74
Tu	1058	3.48		0632	-3.02
	1644	-2.86	F	1250	3.39
	2325	3.53		1902	-2.78
30	0533	-2.83	30	0119	3.54
W	1206	3.23		0737	-2.79
	1811	-2.61	Sa	1358	3.32
				2007	-2.65
31	0037	3.41			
Th	0659	-2.77			
	1320	3.24			
	1933	-2.69			

PORLOCK BAY**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

July			August		
	Time	m		Time	m
1	0227	3.50	1	0406	3.24
Su	0838	-2.89	W	0659	-2.48
	1502	3.44		1834	3.59
	2107	-2.70		2222	-2.79
2	0330	3.60	2	0502	3.61
M	0935	-2.77	Th	1041	-2.82
	1802	3.68		1723	4.01
	2159	-2.92		2301	-3.18
3	0427	3.77	3	0548	3.93
Tu	1022	-2.88	F	1119	-3.23
	1654	3.95		1807	4.30
	2241	-3.16		2337	-3.41
4	0517	3.95	4	0628	4.14
W	1101	-3.18	Sa	1154	-3.38
	1739	4.18		1844	4.45
	2319	-3.34			
5	0601	4.09	5	0013	-3.52
Th	1137	-3.32	Su	0704	4.25
	1820	4.35		1229	-3.44
	2354	-3.45		1918	4.50
6	0642	4.19	6	0047	-3.58
F	1210	-3.39	M	0736	4.31
	1859	4.44		1302	-3.48
				1950	4.51
7	0028	-3.50	7	0121	-3.61
Sa	0720	4.22	Tu	0807	4.32
	1244	-3.39		1333	-3.45
	1936	4.41		2021	4.45
8	0102	-3.48	8	0155	-3.59
Su	0754	4.15	W	0835	4.27
	1315	-3.31		1406	-3.38
	2010	4.28		2053	4.29
9	0135	-3.40	9	0228	-3.46
M	0827	4.01	Th	0906	4.08
	1347	-3.17		1438	-3.18
	2043	4.07		2124	3.97
10	0209	-3.28	10	0303	-3.17
Tu	0859	3.80	F	0939	3.71
	1419	-3.00		1514	-2.88
	2115	3.80		2156	3.55
11	0245	-3.08	11	0341	-2.79
W	0931	3.53	Sa	1011	3.30
	1457	-2.79		1554	-2.48
	2150	3.48		2232	3.14
12	0327	-2.82	12	0424	-2.39
Th	1008	3.22	Su	1050	2.94
	1541	-2.51		1642	-2.11
	2229	3.13		2317	2.80
13	0418	-2.51	13	0519	-2.00
F	1048	2.90	M	1145	2.66
	1633	-2.19		1748	-1.72
	2314	2.83			
14	0511	-2.18	14	0028	2.57
Sa	1136	2.65	Tu	0636	-1.65
	1733	-1.88		1310	2.59
				1923	-1.47
15	0012	2.65	15	0202	2.73
Su	0618	-1.92	W	0823	-1.82
	1243	2.58		1439	3.05
	1847	-1.67		2100	-2.08
16	0128	2.72	16	0319	3.33
M	0740	-1.89	Th	0929	-2.87
	1403	2.83		1551	3.80
	2018	-1.84		2157	-2.99
17	0242	3.12	17	0427	4.08
Tu	0857	-2.40	F	1022	-3.45
	1512	3.39		1653	4.54
	2124	-2.55		2248	-3.72
18	0345	3.70	18	0528	4.71
W	0950	-3.12	Sa	1113	-4.06
	1812	4.04		1749	5.14
	2213	-3.27		2342	-4.32
19	0443	4.25	19	0618	5.19
Th	1036	-3.70	Su	1204	-4.57
	1708	4.60		1839	5.55
	2301	-3.79			
20	0538	4.70	20	0032	-4.80
F	1124	-4.09	M	0708	5.50
	1801	5.01		1253	-4.94
	2349	-4.17		1926	5.78
21	0630	5.01	21	0120	-5.08
Sa	1213	-4.37	Tu	0753	5.63
	1851	5.29		1339	-5.08
				2010	5.82
22	0040	-4.47	22	0208	-5.06
Su	0721	5.21	W	0835	5.54
	1302	-4.57		1426	-4.92
	1939	5.45		2053	5.62
23	0131	-4.66	23	0253	-4.71
M	0809	5.29	Th	0918	5.19
	1353	-4.64		1508	-4.45
	2026	5.47		2136	5.13
24	0225	-4.67	24	0333	-4.08
Tu	0859	5.19	F	0958	4.58
	1445	-4.53		1548	-3.77
	2114	5.20		2217	4.42
25	0315	-4.45	25	0412	-3.33
W	0942	4.89	Sa	1040	3.84
	1534	-4.21		1630	-2.99
	2201	4.91		2301	3.62
26	0405	-4.03	26	0453	-2.54
Th	1029	4.41	Su	1126	3.10
	1624	-3.73		1718	-2.19
	2249	4.37		2351	2.88
27	0455	-3.48	27	0545	-1.77
F	1117	3.84	M	1225	2.53
	1718	-3.15		1822	-1.45
	2339	3.78			
28	0549	-2.87	28	0100	2.37
Sa	1210	3.30	Tu	0703	-1.15
	1815	-2.54		1348	2.33
				2004	-1.17
29	0038	3.28	29	0230	2.34
Su	0649	-2.28	W	0843	-1.30
	1314	2.93		1514	2.71
	1923	-2.03		2118	-1.82
30	0146	2.85	30	0348	2.85
M	0759	-1.91	Th	0942	-2.11
	1428	2.88		1617	3.41
	2037	-1.93		2204	-2.68
31	0259	2.95	31	0445	3.50
Tu	0906	-2.03	F	1024	-2.88
	1536	3.15		1706	4.03
	2136	-2.30		2243	-3.29

PORLOCK BAY**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September			October		
	Time	m		Time	m
1	0531	4.00	1	0540	4.36
Sa	1101	-3.35	M	1112	-3.68
	1747	4.42		1758	4.87
	2319	-3.60		2329	-3.90
2	0609	4.29	2	0613	4.56
	1138	-3.57		1145	-3.81
Su	1823	4.60	Tu	1827	4.78
	2354	-3.74			
3	0642	4.44	3	0602	-3.99
	1209	-3.66		0642	4.70
M	1856	4.68	W	1217	-3.90
				1857	4.87
4	0027	-3.81	4	0035	-4.06
	0712	4.54		0711	4.82
Tu	1241	-3.72	Th	1248	-3.95
	1826	4.74		1927	4.90
5	0100	-3.88	5	0108	-4.05
	0740	4.63		0741	4.84
W	1313	-3.75	F	1318	-3.88
	1954	4.75		1959	4.80
6	0132	-3.88	6	0137	-3.88
	0810	4.63		0813	4.87
Th	1344	-3.69	Sa	1349	-3.82
	2025	4.82		2031	4.49
7	0203	-3.73	7	0207	-3.51
	0840	4.44		0844	4.30
F	1414	-3.45	Su	1418	-3.23
	2056	4.29		2102	4.01
8	0234	-3.38	8	0235	-3.08
	0910	4.05		0917	3.82
Sa	1444	-3.07	M	1449	-2.80
	2127	3.82		2138	3.47
9	0306	-2.93	9	0311	-2.62
	0940	3.58		0954	3.31
Su	1518	-2.65	Tu	1534	-2.38
	2158	3.33		2222	2.92
10	0343	-2.50	10	0404	-2.12
	1014	3.14		1046	2.82
M	1559	-2.24	W	1640	-1.82
	2239	2.88		2333	2.48
11	0433	-2.08	11	0526	-1.55
	1104	2.73		1215	2.52
Tu	1701	-1.78	Th	1825	-1.38
	2348	2.47			
12	0548	-1.55	12	0116	2.45
	1231	2.48		0731	-1.44
W	1839	-1.32	F	1358	2.87
				2024	-1.92
13	0132	2.45	13	0247	3.12
	0751	-1.44		0858	-2.37
Th	1414	2.82	Sa	1519	3.74
	2041	-1.63		2132	-2.98
14	0302	3.10	14	0359	4.05
	0913	-2.38		0958	-3.39
F	1535	3.68	Su	1822	4.65
	2145	-2.89		2227	-3.90
15	0414	4.00	15	0455	4.95
	1011	-3.38		1049	-4.23
Sa	1640	4.59		1718	5.31
	2241	-3.82		2314	-4.56
16	0514	4.82	16	0543	5.36
	1104	-4.19		1133	-4.78
Su	1735	5.30	Tu	1802	5.67
	2331	-4.59		2356	-4.90
17	0604	5.38	17	0626	5.62
	1151	-4.81		1213	-5.00
M	1822	5.74	W	1843	5.81
18	0017	-5.05	18	0035	-4.82
	0849	5.69		0708	5.69
Tu	1235	-5.17	Th	1250	-4.85
	1906	5.85		1922	5.77
19	0100	-5.22	19	0110	-4.70
	0731	5.79		0743	5.58
W	1317	-5.22	F	1324	-4.85
	1948	5.95		2001	5.51
20	0142	-5.06	20	0143	-4.28
	0810	5.68		0820	5.22
Th	1356	-4.94	Sa	1356	-4.14
	2027	5.69		2038	4.98
21	0218	-4.59	21	0212	-3.85
	0849	5.29		0857	4.57
F	1432	-4.38	Su	1427	-3.46
	2108	5.13		2116	4.16
22	0252	-3.89	22	0241	-2.93
	0927	4.62		0932	3.75
Sa	1506	-3.83	M	1500	-2.99
	2145	4.31		2151	3.28
23	0323	-3.09	23	0314	-2.18
	1004	3.78		1009	2.82
Su	1541	-2.80	Tu	1538	-1.91
	2222	3.41		2231	2.47
24	0359	-2.28	24	0354	-1.45
	1042	2.95		1058	2.22
M	1622	-1.88	W	1630	-1.17
	2306	2.58		2332	1.85
25	0442	-1.49	25	0455	-0.73
	1135	2.26		1225	1.82
Tu	1718	-1.18	Th	1803	-0.56
26	0014	1.95	26	0115	1.89
	0551	-0.73		0715	-0.30
W	1309	1.84	F	1407	2.11
	1917	-0.82		2026	-1.04
27	0201	1.90	27	0248	2.23
	0820	-0.68		0855	-1.24
Th	1448	2.38	Sa	1518	2.86
	2058	-1.43		2117	-2.09
28	0326	2.58	28	0344	3.02
	0923	-1.75		0937	-2.27
F	1554	3.21	Su	1605	3.61
	2144	-2.51		2155	-2.95
29	0422	3.37	29	0428	3.70
	1004	-2.74		1012	-3.02
Sa	1641	3.86	M	1645	4.18
	2222	-3.29		2229	-3.49
30	0505	4.00	30	0508	4.17
	1039	-3.37		1045	-3.48
Su	1721	4.44	Tu	1721	4.50
	2256	-3.72		2302	-3.60
			31	0538	4.49
			W	1117	-3.75
				1755	4.72
				2334	-3.66

PORLOCK BAY

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November			December					
Time	m		Time	m		Time	m	
1	0810	4.73	16	0009	-4.34	1	0616	4.88
Th	1149	-3.92	F	0641	5.33	Sa	1159	-3.98
	1827	4.86		1224	-4.40		1839	4.89
				1859	5.33			
2	0008	-4.11	17	0041	-4.17	2	0019	-4.14
F	0642	4.90	Sa	0718	5.28	Su	0655	5.00
	1222	-4.01		1256	-4.19		1235	-3.99
	1901	4.93		1937	5.13		1918	4.90
3	0040	-4.13	18	0111	-3.88	3	0055	-4.05
Sa	0715	4.95	Su	0756	5.01	M	0735	4.97
	1255	-3.96		1328	-3.83		1315	-3.85
	1936	4.87		2016	4.70		2001	4.76
4	0113	-3.97	19	0142	-3.43	4	0133	-3.80
Su	0750	4.83	M	0834	4.49	Tu	0818	4.79
	1327	-3.74		1359	-3.31		1355	-3.59
	2011	4.61		2053	4.05		2044	4.47
5	0145	-3.64	20	0211	-2.85	5	0214	-3.46
M	0825	4.52	Tu	0911	3.81	W	0900	4.47
	1359	-3.38		1432	-2.68		1440	-3.26
	2049	4.19		2129	3.32		2131	4.07
6	0217	-3.22	21	0243	-2.24	6	0301	-3.09
Tu	0903	4.07	W	0946	3.11	Th	0951	4.07
	1435	-2.98		1510	-2.07		1537	-2.91
	2130	3.68		2206	2.66		2226	3.64
7	0257	-2.77	22	0322	-1.86	7	0405	-2.71
W	0949	3.56	Th	1030	2.51	F	1050	3.69
	1528	-2.53		1558	-1.50		1651	-2.59
	2222	3.12		2255	2.14		2329	3.31
8	0355	-2.27	23	0416	-1.12	8	0526	-2.41
Th	1049	3.09	F	1134	2.09	Sa	1158	3.48
	1640	-2.04		1710	-1.01		1817	-2.43
	2334	2.74						
9	0524	-1.80	24	0009	1.85	9	0040	3.19
F	1209	2.88	Sa	0537	-0.66	Su	0652	-2.34
	1825	-1.79		1259	2.05		1313	3.49
				1902	-0.85		1935	-2.54
10	0102	2.76	25	0137	1.99	10	0155	3.35
Sa	0715	-1.82	Su	0748	-0.72	M	0806	-2.56
	1339	3.17		1416	2.45		1425	3.75
	2005	-2.25		2033	-1.47		2041	-2.81
11	0225	3.27	26	0246	2.52	11	0303	3.72
Su	0836	-2.51	M	0857	-1.61	Tu	0908	-2.91
	1456	3.63		1514	3.04		1530	4.10
	2111	-3.01		2118	-2.28		2138	-3.12
12	0335	3.99	27	0338	3.16	12	0402	4.13
M	0937	-3.28	Tu	0937	-2.32	W	1003	-3.30
	1600	4.52		1600	3.83		1828	4.41
	2206	-3.67		2156	-2.94		2227	-3.43
13	0431	4.83	28	0421	3.75	13	0454	4.47
Tu	1028	-3.93	W	1013	-2.98	Th	1046	-3.81
	1852	5.01		1842	4.12		1716	4.62
	2252	-4.14		2231	-3.47		2308	-3.84
14	0519	5.04	29	0500	4.25	14	0539	4.70
W	1110	-4.32	Th	1047	-3.47	F	1125	-3.79
	1738	5.27		1720	4.50		1800	4.73
	2332	-4.35		2305	-3.84		2344	-3.72
15	0602	5.25	30	0537	4.63	15	0621	4.85
Th	1146	-4.48	F	1123	-3.80	Sa	1201	-3.82
	1819	5.38		1759	4.75		1842	4.77
				2342	-4.07			

MINEHEAD

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February				
	Time	m		Time	m		Time	m
1	0357	-3.22	16	0457	-3.04	1	0445	-3.33
	1013	3.99		1124	3.89		1109	4.07
M	1623	-3.11	Tu	1731	-2.60	Th	1719	-3.15
	2230	3.67		2357	3.20		2335	3.74
2	0439	-2.97	17	0554	-2.50	2	0542	-2.97
	1057	3.75		1227	3.35		1209	3.71
Tu	1712	-2.88	W	1837	-2.17	F	1824	-2.85
	2321	3.43						
3	0533	-2.74	18	0108	2.84	3	0042	3.47
	1153	3.55		0705	-2.18		0654	-2.72
W	1812	-2.74	Th	1338	3.07	Sa	1323	3.49
				1954	-2.05		1939	-2.74
4	0623	3.28	19	0219	2.88	4	0200	3.44
	0839	-2.84		0824	-2.18		0816	-2.74
Th	1300	3.50	F	1450	3.14	Su	1445	3.59
	1921	-2.79		2109	-2.24		2100	-2.90
5	0133	3.36	20	0327	3.19	5	0321	3.74
	0750	-2.76		0935	-2.44		0939	-3.05
F	1412	3.87	Sa	1554	3.43	M	1603	3.99
	2030	-3.04		2211	-2.60		2217	-3.30
6	0245	3.88	21	0426	3.65	6	0433	4.29
	0900	-3.07		1035	-2.83		1053	-3.58
Sa	1521	4.03	Su	1650	3.79	Tu	1710	4.55
	2138	-3.40		2303	-2.99		2324	-3.82
7	0352	4.14	22	0517	4.09	7	0536	4.92
	1008	-3.47		1126	-3.22		1157	-4.12
Su	1828	4.48	M	1739	4.12	W	1809	5.11
	2239	-3.78		2350	-3.33			
8	0454	4.84	23	0603	4.44	8	0022	-4.34
	1108	-3.88		1212	-3.53		0633	5.50
M	1726	4.88	Tu	1823	4.38	Th	1251	-4.58
	2337	-4.12					1901	5.56
9	0551	5.10	24	0033	-3.60	9	0114	-4.75
	1208	-4.25		0645	4.69		0723	5.92
Tu	1821	5.24	W	1253	-3.78	F	1341	-4.87
				1903	4.54		1948	5.60
10	0032	-4.41	25	0111	-3.78	10	0200	-4.98
	0644	5.47		0723	4.82		0809	6.11
W	1259	-4.52	Th	1329	-3.90	Sa	1424	-4.91
	1912	5.48		1938	4.63		2033	5.78
11	0122	-4.59	26	0144	-3.89	11	0240	-4.92
	0733	5.70		0756	4.87		0851	6.00
Th	1348	-4.83	F	1401	-3.96	Su	1504	-4.69
	2000	5.54		2008	4.65		2114	5.48
12	0208	-4.63	27	0213	-3.83	12	0318	-4.63
	0819	5.74		0824	4.85		0832	5.81
F	1433	-4.55	Sa	1429	-3.96	M	1540	-4.24
	2045	5.39		2035	4.63		2154	4.94
13	0251	-4.47	28	0239	-3.92	13	0353	-4.12
	0903	5.55		0851	4.81		1012	4.98
Sa	1515	-4.26	Su	1455	-3.93	Tu	1615	-3.84
	2128	5.01		2100	4.59		2234	4.28
14	0331	-4.12	29	0304	-3.88	14	0430	-3.49
	0948	5.13		0917	4.75		1054	4.21
Su	1556	-3.78	M	1521	-3.85	W	1654	-2.98
	2212	4.45		2128	4.51		2319	3.53
15	0412	-3.62	30	0330	-3.80	15	0512	-2.81
	1033	4.54		0946	4.53		1142	3.43
M	1639	-3.19	Tu	1552	-3.72	Th	1741	-2.35
	2300	3.79		2201	4.35			
			31	0403	-3.82			
				1022	4.42			
				1630	-3.48			
				2242	4.09			

MINEHEAD

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

March				April			
	Time	m			Time	m	
1	0333	-4.04		1	0431	-3.15	
Th	0954	4.79			1106	3.55	
	1555	-3.86		Su	1704	-2.70	
	2211	4.52			2338	3.42	
2	0409	-3.69		2	0542	-2.48	
F	1035	4.33			1225	2.93	
	1637	-3.42		M	1830	-2.13	
	2258	4.04					
3	0459	-3.18		3	0106	3.04	
	1130	3.74			0727	-2.14	
Sa	1736	-2.85		Tu	1405	2.87	
					2021	-2.17	
4	0002	3.51		4	0244	3.30	
	0609	-2.64			0915	-2.58	
Su	1246	3.23		W	1533	3.46	
	1857	-2.42			2151	-2.84	
5	0126	3.21		5	0403	4.07	
	0743	-2.40			1032	-3.38	
M	1419	3.15		Th	1841	4.30	
	2034	-2.44			2257	-3.67	
6	0258	3.43		6	0505	4.93	
	0923	-2.71			1130	-4.13	
Tu	1546	3.62		F	1736	5.07	
	2203	-2.96			2350	-4.36	
7	0418	4.09		7	0558	5.64	
	1043	-3.39			1220	-4.70	
W	1657	4.37		Sa	1825	5.62	
	2312	-3.69					
8	0523	4.89		8	0038	-4.87	
	1146	-4.12			0645	6.08	
Th	1754	5.09		Su	1304	-5.01	
					1910	5.82	
9	0009	-4.36		9	0121	-5.09	
	0616	5.61			0729	6.21	
F	1239	-4.70		M	1344	-5.06	
	1845	5.68			1951	5.95	
10	0059	-4.90		10	0159	-5.04	
	0708	6.11			0808	6.04	
Sa	1326	-5.06		Tu	1418	-4.85	
	1932	5.97			2030	5.71	
11	0142	-5.17		11	0233	-4.76	
	0751	6.33			0845	5.61	
Su	1407	-5.13		W	1451	-4.45	
	2014	6.00			2105	5.25	
12	0222	-5.15		12	0305	-4.30	
	0832	6.21			0919	4.97	
M	1444	-4.93		Th	1516	-3.92	
	2054	5.74			2138	4.65	
13	0257	-4.86		13	0335	-3.73	
	0910	5.79			0952	4.22	
Tu	1517	-4.50		F	1548	-3.32	
	2130	5.23			2211	3.96	
14	0329	-4.35		14	0409	-3.10	
	0945	5.12			1027	3.48	
W	1547	-3.81		Sa	1622	-2.69	
	2208	4.56			2250	3.27	
15	0401	-3.71		15	0451	-2.46	
	1021	4.31			1111	2.75	
Th	1618	-3.24		Su	1711	-2.08	
	2242	3.80			2345	2.67	
16	0437	-3.01		16	0552	-1.93	
	1100	3.46			1218	2.24	
F	1656	-2.55		M	1823	-1.65	
	2328	3.06					
17	0524	-2.32		17	0106	2.36	
	1154	2.70			0714	-1.74	
Sa	1750	-1.92		Tu	1350	2.19	
					1952	-1.67	
18	0033	2.53		18	0233	2.61	
	0633	-1.80			0839	-2.03	
Su	1312	2.24		W	1509	2.65	
	1909	-1.56			2112	-2.13	
19	0201	2.39		19	0340	3.19	
	0802	-1.70			0944	-2.61	
M	1442	2.32		Th	1607	3.31	
	2045	-1.70			2211	-2.78	
20	0322	2.76		20	0431	3.83	
	0927	-2.08			1036	-3.23	
Tu	1554	2.84		F	1654	3.84	
	2200	-2.22			2258	-3.34	
21	0423	3.37		21	0515	4.39	
	1030	-2.68			1120	-3.75	
W	1648	3.48		Sa	1734	4.45	
	2255	-2.85			2340	-3.78	
22	0512	3.98		22	0554	4.82	
	1118	-3.27			1200	-4.13	
Th	1733	4.06		Su	1812	4.83	
	2339	-3.40					
23	0553	4.50		23	0018	-4.09	
	1200	-3.75			0630	5.11	
F	1812	4.51		M	1237	-4.38	
					1847	5.09	
24	0019	-3.83		24	0054	-4.28	
	0630	4.87			0704	-5.29	
Sa	1237	-4.11		Tu	1311	-4.50	
	1846	4.64			1920	5.25	
25	0054	-4.11		25	0125	-4.37	
	0703	5.13			0737	5.34	
Su	1310	-4.34		W	1342	-4.50	
	1918	5.05			1952	5.32	
26	0124	-4.28		26	0155	-4.37	
	0734	5.28			0810	5.28	
M	1340	-4.46		Th	1411	-4.40	
	1947	5.18			2024	5.25	
27	0151	-4.36		27	0224	-4.27	
	0802	5.35			0843	5.05	
Tu	1406	-4.50		F	1440	-4.17	
	2015	5.25			2058	5.02	
28	0217	-4.38		28	0255	-4.02	
	0830	5.33			0919	4.65	
W	1432	-4.46		Sa	1513	-3.78	
	2042	5.22			2136	4.59	
29	0242	-4.33		29	0332	-3.58	
	0859	5.18			1001	4.05	
Th	1457	-4.30		Su	1554	-3.21	
	2113	5.05			2224	3.99	
30	0309	-4.15		30	0420	-2.95	
	0931	4.63			1057	3.35	
F	1528	-3.97		M	1651	-2.53	
	2146	4.67			2329	3.35	
31	0345	-3.78					
	1012	4.27					
Sa	1606	-3.42					
	2234	4.09					

MINEHEAD

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

May			June		
	Time	m		Time	m
1	0533	-2.30	16	0013	2.65
Tu	1218	2.81	W	0628	-2.00
	1822	-2.02		1248	2.40
				1900	-1.90
2	0057	3.04	17	0131	2.70
W	0724	-2.08	Th	0743	-2.16
	1353	2.84		1408	2.66
	2009	-2.17		2015	-2.21
3	0229	3.37	18	0242	3.11
Th	0803	-2.56	F	0850	-2.61
	1515	3.44		1511	3.19
	2133	-2.64		2117	-2.72
4	0344	4.10	19	0339	3.68
F	1012	-3.31	Sa	0945	-3.16
	1619	4.22		1603	3.78
	2234	-3.60		2209	-3.24
5	0443	4.86	20	0428	4.22
Sa	1107	-3.89	Su	1035	-3.66
	1713	4.90		1650	4.31
	2328	-4.21		2257	-3.67
6	0534	5.43	21	0512	4.66
Su	1155	-4.45	M	1120	-4.03
	1801	5.38		1733	4.72
				2341	-3.68
7	0612	-4.59	22	0555	4.97
M	0821	5.73	Tu	1203	-4.26
	1239	-4.68		1815	5.01
	1846	5.62			
8	0055	-4.73	23	0022	-4.16
Tu	0705	5.77	W	0636	5.15
	1318	-4.68		1243	-4.36
	1928	5.63		1854	5.20
9	0135	-4.67	24	0102	-4.28
W	0745	5.58	Th	0716	5.21
	1354	-4.49		1321	-4.36
	2006	5.44		1933	5.27
10	0210	-4.43	25	0139	-4.28
Th	0822	5.19	F	0755	5.14
	1426	-4.17		1357	-4.24
	2042	5.07		2012	5.20
11	0242	-4.07	26	0215	-4.16
F	0857	4.87	Sa	0834	4.02
	1455	-3.78		1433	-3.99
	2115	4.58		2051	4.97
12	0313	-3.84	27	0252	-3.88
Sa	0928	4.10	Su	0915	4.53
	1524	-3.30		1511	-3.82
	2146	4.04		2133	4.56
13	0348	-3.15	28	0333	-3.44
Su	1000	3.52	M	1001	4.00
	1558	-2.82		1555	-3.11
	2221	3.46		2223	4.02
14	0428	-2.86	29	0424	-2.88
M	1039	2.98	Tu	1057	3.40
	1643	-2.34		1654	-2.57
	2306	2.98		2327	3.50
15	0519	-2.22	30	0536	-2.36
Tu	1134	2.56	W	1211	2.97
	1745	-1.97		1815	-2.21
			31	0046	3.25
			Th	0712	-2.20
				1334	2.97
				1948	-2.31
			1	0208	3.47
			F	0839	-2.55
				1450	3.40
				2105	-2.79
			2	0318	4.00
			Sa	0945	-3.11
				1553	4.00
				2208	-2.21
			3	0417	4.54
			Su	1040	-3.62
				1647	4.55
				2259	-3.81
			4	0509	4.95
			M	1128	-3.97
				1736	4.95
				2347	-4.10
			5	0557	5.15
			Tu	1212	-4.14
				1822	5.16
			6	0031	-4.22
			W	0642	5.16
				1254	-4.15
				1905	5.19
			7	0113	-4.20
			Th	0724	5.02
				1332	-4.04
				1945	5.08
			8	0151	-4.07
			F	0803	4.77
				1406	-3.85
				2021	4.84
			9	0224	-3.85
			Sa	0837	4.45
				1437	-3.61
				2054	4.52
			10	0256	-3.58
			Su	0909	4.09
				1507	-3.33
				2128	4.15
			11	0328	-3.27
			M	0939	3.73
				1540	-3.04
				2156	3.78
			12	0403	-2.95
			Tu	1013	3.39
				1618	-2.73
				2236	3.43
			13	0448	-2.64
			W	1058	3.08
				1707	-2.48
				2326	3.15
			14	0543	-2.43
			Th	1152	2.88
				1809	-2.31
			15	0028	3.05
			F	0648	-2.42
				1258	2.90
				1915	-2.39
			16	0135	3.20
			Sa	0752	-2.66
				1406	3.18
				2019	-2.69
			17	0239	3.58
			Su	0852	-3.05
				1507	3.63
				2118	-3.06
			18	0337	3.99
			M	0948	-3.45
				1603	4.10
				2213	-3.47
			19	0432	4.40
			Tu	1040	-3.79
				1656	4.52
				2308	-3.78
			20	0523	4.72
			W	1131	-4.02
				1745	4.66
				2357	-4.04
			21	0612	4.96
			Th	1221	-4.17
				1833	5.11
			22	0045	-4.20
			F	0700	5.10
				1307	-4.24
				1920	5.26
			23	0130	-4.27
			Sa	0745	5.14
				1351	-4.21
				2004	5.28
			24	0213	-4.21
			Su	0830	5.02
				1433	-4.07
				2046	5.15
			25	0255	-3.99
			M	0914	4.73
				1515	-3.79
				2133	4.83
			26	0339	-3.82
			Tu	1000	4.29
				1559	-3.40
				2221	4.38
			27	0427	-3.13
			W	1051	3.78
				1651	-2.94
				2316	3.66
			28	0528	-2.65
			Th	1154	3.29
				1757	-2.55
			29	0024	3.53
			F	0643	-2.36
				1306	3.08
				1913	-2.40
			30	0138	3.45
			Sa	0803	-2.41
				1418	3.22
				2029	-2.56

MINEHEAD

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

July				August				
	Time	m			Time	m		
1	0248	3.66	16	0141	3.47	1	0244	3.62
Su	0912	-2.70	M	0759	-2.87	W	1039	-2.79
	1524	3.61		1413	3.48		1653	3.93
	2135	-2.91		2028	-2.87		2305	-3.06
2	0350	3.99	17	0249	3.70	2	0517	3.95
M	1010	-3.06	Tu	0903	-3.13	Th	1130	-3.14
	1821	4.05		1520	3.83		1742	4.31
	2232	3.26		2134	-3.19		2354	-3.40
3	0445	4.29	18	0356	4.05	3	0604	4.24
Tu	1102	-3.37	W	1007	-3.43	F	1215	-3.44
	1713	4.42		1824	4.26		1827	4.59
	2324	-3.54		2238	-3.55			
4	0536	4.49	19	0457	4.45	4	0037	-3.65
W	1149	-3.57	Th	1108	-3.75		0647	4.45
	1800	4.67		1723	4.70	Sa	1256	-3.66
				2338	-3.91		1908	4.77
5	0011	-3.73	20	0554	4.83	5	0116	-3.82
Th	0622	-4.59	F	1205	-4.06		0725	4.56
	1233	-3.68		1818	5.11	Su	1332	-3.80
	1845	4.80					1944	4.83
6	0054	-3.82	21	0033	-4.23	6	0150	-3.80
F	0706	4.60	Sa	0647	5.15		0758	4.59
	1314	-3.72		1257	-4.32		1403	-3.86
	1927	4.82		1909	5.43		2015	4.81
7	0134	-3.83	22	0124	-4.46	7	0219	-3.80
Sa	0745	4.54		0736	5.36		0827	4.56
	1350	-3.71	Su	1345	-4.48	Tu	1430	-3.85
	2003	4.74		1956	5.62		2042	4.74
8	0209	-3.78	23	0210	-4.53	8	0248	-3.66
Su	0819	4.42	M	0822	5.39		0852	4.49
	1422	-3.84		1429	-4.49	W	1455	-3.80
	2036	4.59		2041	5.61		2108	4.64
9	0239	-3.67	24	0254	-4.39	9	0312	-3.77
M	0849	4.26	Tu	0906	5.19		0916	4.40
	1451	-3.53		1510	-4.30	Th	1521	-3.69
	2108	4.30		2125	5.37		2134	4.51
10	0309	-3.52	25	0335	-4.06	10	0340	-3.84
Tu	0917	4.06	W	0949	4.78		0948	4.26
	1520	-3.40		1551	-3.83	F	1551	-3.52
	2134	4.19		2209	4.91		2206	4.30
11	0339	-3.35	26	0417	-3.56	11	0414	-3.43
W	0946	3.89	Th	1035	4.21		1024	4.03
	1551	-3.22		1634	-3.41	Sa	1628	-3.26
	2206	3.88		2257	4.31		2247	4.00
12	0415	-3.15	27	0504	-2.99	12	0457	-3.13
Th	1021	3.69	F	1127	3.61		1110	3.72
	1829	-3.01		1725	-2.86	Su	1718	-2.93
	2244	3.75		2354	3.70		2340	3.83
13	0457	-2.94	28	0602	-2.48	13	0555	-2.81
F	1104	3.47	Sa	1230	3.13		1211	3.43
	1716	-2.79		1829	-2.40		1824	-2.84
	2333	3.54						
14	0551	-2.77	29	0100	3.28	14	0049	3.35
Sa	1159	3.31	Su	0714	-2.17		0707	-2.62
	1815	-2.64		1341	2.95	Tu	1325	3.31
				1945	-2.22		1643	-2.59
15	0033	3.42	30	0214	3.13	15	0209	3.34
Su	0653	-2.73	M	0831	-2.18		0826	-2.70
	1304	3.29		1453	3.11	W	1445	3.52
	1921	-2.67		2103	-2.35		2104	-2.84
			31	0324	3.30			
			Tu	0941	-2.44			
				1557	3.50			
				2209	-2.69			

CLEVEDON**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September				October			
	Time m		Time m		Time m		Time m
1	0003 -4.41	16	0000 -4.98	1	0020 -4.88	16	0043 -5.78
Sa	0608 5.07	Su	0649 6.07	M	0615 5.51	Tu	0618 6.75
	1226 -4.48		1230 -5.38		1241 -4.83		1305 -6.01
	1822 5.58		1810 6.67		1831 5.69		1837 7.13
2	0049 -4.75	17	0103 -5.78	2	0101 -5.07	17	0133 -6.14
Su	0644 5.43	M	0639 6.78	Tu	0648 5.75		0701 7.06
	1309 -4.72		1327 -6.05		1320 -4.88	W	1351 -6.25
	1858 5.81		1857 7.21		1902 6.03		1916 7.30
3	0130 -4.90	18	0155 -6.30	3	0139 -5.17	18	0215 -6.17
M	0717 5.60	Tu	0724 7.15	W	0717 5.93	Th	0741 7.15
	1347 -4.81		1415 -6.43		1355 -5.07		1430 -6.20
	1931 5.91		1941 7.47		1932 6.13		1957 7.25
4	0206 -4.98	19	0240 -6.48	4	0215 -5.24	19	0250 -5.92
Tu	0747 5.73	W	0808 7.28	Th	0746 6.06	F	0818 7.02
	1421 -4.87		1456 -6.48		1428 -5.12		1503 -5.88
	2001 5.98		2023 7.47		2002 6.18		2036 6.93
5	0240 -5.05	20	0318 -6.31	5	0246 -5.24	20	0319 -5.45
W	0815 5.84	Th	0845 7.14	F	0816 6.11	Sa	0855 6.57
	1452 -4.91		1531 -6.19		1457 -5.05		1531 -6.33
	2029 5.99		2102 7.15		2034 6.05		2113 6.25
6	0310 -5.05	21	0349 -5.81	6	0314 -5.05	21	0344 -4.80
Th	0845 5.84	F	0924 6.65	Sa	0848 5.90	Su	0932 5.77
	1521 -4.85		1601 -5.59		1525 -4.77		1557 -4.60
	2100 5.84		2141 6.46		2106 5.67		2151 5.27
7	0337 -4.89	22	0416 -5.08	7	0340 -4.65	22	0408 -4.03
F	0915 5.81	Sa	1002 5.63	Su	0919 5.44	M	1007 4.78
	1546 -4.59		1627 -4.78		1549 -4.35		1623 -3.77
	2131 5.43		2220 5.46		2137 5.08		2226 4.18
8	0402 -4.51	23	0441 -4.20	8	0403 -4.17	23	0433 -3.23
Sa	0945 5.13	Su	1039 4.60	M	0952 4.84	Tu	1044 3.74
	1610 -4.18		1654 -3.89		1614 -3.90		1652 -2.64
	2202 4.85		2257 4.34		2213 4.41		2306 3.19
9	0427 -4.03	24	0508 -3.34	9	0431 -3.70	24	0504 -2.45
Su	1015 4.56	M	1117 3.78	Tu	1029 4.22	W	1133 2.86
	1638 -3.73		1725 -3.00		1649 -3.42		1731 -2.15
	2233 4.24		2341 3.32		2257 3.75		
10	0455 -3.57	25	0540 -2.49	10	0511 -3.18	25	0007 2.42
M	1049 4.01	Tu	1210 2.92	W	1121 3.61	Th	0550 -1.68
	1706 -3.29		1808 -2.13		1738 -2.65		1300 2.39
	2314 3.69						1644 -1.50
11	0533 -3.10	26	0049 2.55	11	0008 3.17	26	0150 2.23
Tu	1139 3.51	W	0635 -1.88	Th	0614 -2.56	F	0750 -1.21
	1755 -2.78		1344 2.53		1250 3.24		1442 2.74
			1952 -1.56		1904 -2.37		2107 -2.01
12	0021 3.19	27	0238 2.48	12	0151 3.16	27	0321 2.88
W	0632 -2.56	Th	0900 -1.63	F	0808 -2.44	Sa	0941 -2.22
	1306 3.18		1523 3.07		1433 3.68		1551 3.67
	1916 -2.31		2148 -2.43		2106 -2.95		2209 -3.14
13	0207 3.17	28	0401 3.29	13	0322 3.98	28	0419 3.82
Th	0828 -2.44	F	1018 -2.77	Sa	0945 -3.43	Su	1036 -3.32
	1449 3.62		1629 4.10		1554 4.75		1640 4.59
	2125 -2.85		2245 -3.58		2220 -4.08		2259 -4.05
14	0337 3.96	29	0457 4.30	14	0434 5.13	29	0503 4.69
F	1004 -3.44	Sa	1112 -3.83	Su	1103 -4.52	M	1123 -4.13
	1610 4.68		1718 5.02		1657 5.87		1720 5.27
	2248 -3.99		2335 -4.42		2343 -5.07		2345 -4.63
15	0449 5.07	30	0540 5.07	15	0530 6.11	30	0541 5.28
Sa	1121 -4.49	Su	1158 -4.51	M	1211 -5.42	Tu	1208 -4.82
	1715 5.90		1756 5.61		1751 6.66		1756 5.69
						31	0027 -4.97
						W	0613 5.67
							1247 -4.91
							1830 5.95

Year : 2001

Computed and formatted by POLTIPS for Windows, Proudman Oceanographic Laboratory Prediction Software

HINKLEY POINT**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

January				February			
Time	m	Time	m	Time	m	Time	m
1	0357 -3.38	16	0514 -3.89	1	0445 -3.38	16	0007 3.28
	1020 3.92		1133 4.55		1113 3.74		0600 -2.78
M	1823 -3.28	Tu	1739 -3.58	Th	1714 -3.28	F	1233 3.06
	2236 3.55				2333 3.37		1829 -2.42
2	0433 -3.07	17	0603 3.96	2	0532 -2.96	17	0112 2.73
	1101 3.57		0801 -3.30		1210 3.37		0713 -2.29
Tu	1705 -2.69	W	1227 3.91	F	1811 -2.90	Sa	1349 2.63
	2321 3.22		1830 -3.03				1957 -2.12
3	0519 -2.78	18	0102 3.44	3	0039 3.07	18	0238 2.68
	1155 3.30		0702 -2.64		0643 -2.62		0848 -2.33
W	1759 -2.74	Th	1330 3.45	Sa	1327 3.23	Su	1516 2.77
			1938 -2.68		1835 -2.75		2130 -2.44
4	0621 3.00	19	0211 3.22	4	0203 3.13	19	0357 3.19
	0622 -2.51		0816 -2.87		0822 -2.71		1008 -2.88
Th	1303 3.23	F	1442 3.33	Su	1452 3.50	M	1628 3.36
	1910 -2.87		2056 -2.70		2106 -3.07		2238 -3.11
5	0135 3.05	20	0323 3.39	5	0328 3.68	20	0457 3.91
	0748 -2.55		0932 -2.90		0949 -3.28		1103 -3.55
F	1418 3.48	Sa	1552 3.57	M	1610 4.12	Tu	1722 4.02
	2031 -2.94		2207 -3.06		2225 -3.71		2328 -3.75
6	0251 3.47	21	0427 3.85	6	0442 4.48	21	0544 4.53
	0909 -2.99		1035 -3.35		1104 -4.03		1151 -4.09
Sa	1529 4.01	Su	1852 3.99	Tu	1719 4.87	W	1805 4.54
	2144 -3.47		2303 -3.55		2335 -4.42		
7	0400 4.13	22	0519 4.36	7	0545 5.28	22	0011 -4.21
	1019 -3.83		1126 -3.81		1209 -4.74		0624 4.64
Su	1634 4.65	M	1742 4.41	W	1816 5.58	Th	1231 -4.45
	2250 -4.08		2349 -3.97				1842 4.68
8	0501 4.65	23	0603 4.78	8	0034 -5.04	23	0048 -4.52
	1122 -4.26		1210 -4.16		0640 5.91		0658 5.21
M	1733 5.24	Tu	1824 4.72	Th	1305 -5.30	F	1308 -4.89
	2349 -4.62				1911 6.07		1915 5.13
9	0557 5.48	24	0030 -4.26	9	0127 -5.49	24	0123 -4.72
	1219 -4.77		0642 5.04		0730 6.35		0730 5.40
Tu	1828 5.71	W	1250 -4.39	F	1354 -5.88	Sa	1342 -4.86
			1901 4.92		1959 6.36		1946 5.32
10	0645 -5.02	25	0107 -4.43	10	0214 -5.74	25	0155 -4.87
	0650 5.92		0718 5.19		0816 6.56		0802 5.53
W	1313 -5.13	Th	1327 -4.51	Sa	1439 -5.78	Su	1414 -4.97
	1921 6.01		1935 5.02		2043 6.40		2018 5.43
11	0136 -5.27	26	0142 -4.51	11	0258 -5.74	26	0226 -4.62
	0740 6.20		0751 5.24		0900 6.50		0833 5.58
Th	1403 -5.33	F	1400 -4.58	Su	1519 -5.83	M	1444 -4.98
	2010 6.14		2007 5.06		2125 6.16		2047 5.38
12	0224 -5.38	27	0213 -4.52	12	0334 -5.47	27	0254 -4.63
	0827 6.28		0823 5.23		0940 6.13		0904 5.40
F	1450 -5.34	Sa	1433 -4.55	M	1555 -5.19	Tu	1512 -4.79
	2057 6.06		2039 5.01		2204 5.64		2118 5.12
13	0309 -5.28	28	0243 -4.47	13	0409 -4.94	28	0322 -4.57
	0914 6.14		0854 5.13		1019 5.49		0935 5.05
Sa	1534 -5.15	Su	1503 -4.47	Tu	1627 -4.54	W	1539 -4.47
	2143 5.78		2109 4.86		2242 4.89		2146 4.89
14	0351 -4.95	29	0312 -4.32	14	0441 -4.24		
	1000 5.78		0825 4.91		1058 4.66		
Su	1615 -4.75	M	1532 -4.28	W	1658 -3.79		
	2228 5.28		2139 4.58		2321 4.08		
15	0432 -4.47	30	0340 -4.08	15	0515 -3.49		
	1045 5.22		0957 4.58		1140 3.81		
M	1656 -4.19	Tu	1601 -4.00	Th	1734 -3.06		
	2314 4.62		2211 4.20				
		31	0410 -3.76				
			1031 4.17				
			1633 -3.66				
			2248 3.78				

HINKLEY POINT**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

March				April			
Time	m	Time	m	Time	m	Time	m
1	0349 -4.19	16	0434 -3.60	1	0442 -3.33	16	0530 -2.22
Th	1007 4.55		1057 3.72		1118 3.46		1204 2.23
	1808 -4.05	F	1848 -3.10	Su	1711 -3.04	M	1756 -1.80
	2220 4.17		2318 3.27		2343 3.24		
2	0419 -3.74	17	0511 -2.83	2	0547 -2.73	17	0654 2.22
F	1044 4.00		1141 2.87		1238 2.87		0709 -1.90
	1842 -3.58	Sa	1730 -2.35	M	1834 -2.52	Tu	1341 2.08
	2300 3.64						1854 -1.76
3	0500 -3.23	18	0615 2.55	3	0115 3.00	18	0234 2.51
	1134 3.45		0813 -2.14		0735 -2.57		0846 -2.35
Sa	1731 -3.04	Su	1252 2.25	Tu	1415 3.08	W	1511 2.82
			1852 -1.78		2028 -2.71		2122 -2.44
4	0600 3.14	19	0148 2.28	4	0254 3.48	19	0345 3.27
	0803 -2.89		0802 -1.97		0918 -3.18		0852 -3.12
Su	1251 3.04	M	1435 2.25	W	1544 3.85	Th	1612 3.43
	1853 -2.60		2050 -1.98		2158 -3.53		2220 -3.25
5	0130 2.85	20	0323 2.74	5	0414 4.43	20	0437 4.08
	0749 -2.53		0933 -2.56		1039 -4.11		1044 -3.83
M	1427 3.13	Tu	1558 2.92	Th	1653 4.64	F	1659 4.19
	2039 -2.77		2207 -2.75		2308 -4.46		2307 -3.94
6	0306 3.40	21	0429 3.57	6	0516 5.38	21	0519 4.69
	0830 -3.10		1035 -3.35		1140 -4.93		1128 -4.37
Tu	1556 3.82	W	1854 3.74	F	1748 5.68	Sa	1738 4.78
	2211 -3.50		2300 -3.54				2349 -4.45
7	0429 4.32	22	0517 4.33	7	0603 -5.18	22	0557 5.16
	1053 -3.89		1123 -4.03		0608 6.01		1209 -4.78
W	1708 4.78	Th	1737 4.41	Sa	1231 -5.46	Su	1815 5.24
	2324 -4.39		2344 -4.15		1836 6.17		
8	0533 5.27	23	0557 4.88	8	0651 -5.81	23	0628 -4.82
	1157 -4.85		1204 -4.50		0654 6.36		0633 5.51
Th	1808 5.61	F	1814 4.89	Su	1315 -5.71	M	1248 -5.04
					1918 6.40		1850 5.58
9	0622 -5.16	24	0623 -4.57	9	0132 -5.78	24	0108 -5.08
	0827 6.01		0831 5.25		0734 6.45		0709 5.78
F	1251 -5.49	Sa	1242 -4.82	M	1354 -5.73	Tu	1324 -5.21
	1857 6.20		1848 5.25		1957 6.40		1825 5.79
10	0112 -5.68	25	0658 -4.87	10	0209 -5.73	25	0142 -5.17
	0715 6.48		0704 5.53		0812 6.32		0746 5.85
Sa	1339 -5.85	Su	1317 -5.05	Tu	1427 -5.53	W	1400 -5.22
	1942 6.52		1920 5.53		2032 6.17		2001 5.81
11	0156 -5.84	26	0132 -5.08	11	0241 -5.46	26	0215 -5.10
	0758 6.67		0736 5.74		0847 5.95		0823 5.73
Su	1420 -5.95	M	1351 -5.20	W	1457 -5.11	Th	1433 -5.05
	2023 6.56		1951 5.71		2105 5.70		2036 5.60
12	0235 -5.83	27	0204 -5.17	12	0310 -4.97	27	0248 -4.84
	0838 6.58		0809 5.81		0920 5.33		0900 5.38
M	1456 -5.76	Tu	1422 -5.21	Th	1523 -4.52	F	1503 -4.70
	2100 6.31		2024 5.70		2138 5.00		2112 5.19
13	0309 -5.64	28	0235 -5.08	13	0336 -4.33	28	0319 -4.44
	0815 6.18		0842 5.67		0951 4.53		0837 4.84
Tu	1527 -5.29	W	1451 -5.03	F	1547 -3.83	Sa	1536 -4.22
	2135 5.78		2056 5.45		2207 4.18		2151 4.64
14	0340 -5.08	29	0303 -4.80	14	0403 -3.82	29	0354 -3.95
	0949 5.50		0915 5.30		1023 3.67		1021 -4.21
W	1554 -4.62	Th	1519 -4.67	Sa	1813 -3.13	Su	1814 -3.67
	2208 5.01		2127 5.00		2242 3.37		2238 4.04
15	0407 -4.37	30	0331 -4.38	15	0436 -2.80	30	0439 -3.41
	1022 4.64		0948 4.75		1103 2.87		1116 3.59
Th	1819 -3.88	F	1546 -4.20	Su	1851 -2.43		1708 -3.08
	2241 4.13		2200 4.43		2330 2.64		2342 3.52
		31	0401 -3.89				
			1027 4.11				
			1821 -3.68				
			2242 3.82				

HINKLEY POINT**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

May			June		
Time	m		Time	m	
1	0549 -2.92		16	0005 2.56	
1233 3.20			0612 -2.20		
Tu 1833 -2.70			1241 2.30		
			1842 -1.63		
2	0109 3.37		17	0130 2.58	
0727 -2.69			0743 -2.35		
1402 3.37			1404 2.53		
2012 -2.95			2017 -2.28		
3	0237 3.81		18	0245 3.08	
0859 -3.42			0855 -2.88		
1523 4.04			1514 3.14		
2136 -3.65			2124 -2.93		
4	0351 4.57		19	0345 3.73	
1015 -4.15			0953 -3.50		
1626 4.65			1608 3.84		
2243 -4.40			2220 -3.59		
5	0452 5.27		20	0433 4.37	
1114 -4.70			1044 -4.08		
1724 5.48			1654 4.49		
2337 -4.94			2309 -4.14		
6	0543 5.72		21	0518 4.80	
1203 -5.11			1130 -4.50		
Su 1810 5.84			1737 5.03		
			2354 -4.57		
7	0024 -5.22		22	0600 5.32	
0628 5.91			1215 -4.83		
1247 -5.24			1819 5.43		
1851 5.98					
8	0104 -5.30		23	0637 -4.86	
0708 5.93			0642 5.60		
1324 -5.22			1258 -5.04		
1929 5.97			1900 5.69		
9	0140 -5.25		24	0119 -5.02	
0745 5.81			0724 5.73		
1358 -5.08			1339 -5.10		
2004 5.81			1941 5.78		
10	0213 -5.08		25	0159 -5.02	
0821 5.53			0806 5.68		
1428 -4.78			1417 -4.69		
2038 5.48			2022 5.68		
11	0243 -4.70		26	0237 -4.85	
0854 5.05			0849 5.43		
1458 -4.33			1455 -4.72		
2110 4.91			2104 5.38		
12	0312 -4.20		27	0315 -4.55	
0927 4.41			0933 5.01		
1522 -3.78			1533 -4.32		
2142 4.25			2148 4.65		
13	0340 -3.84		28	0357 -4.14	
0959 3.72			1021 4.50		
1549 -3.21			1618 -3.85		
2218 3.57			2239 4.48		
14	0413 -3.07		29	0447 -3.71	
1036 3.07			1117 4.00		
1624 -2.66			1713 -3.40		
2300 2.97			2342 4.08		
15	0500 -2.54		30	0551 -3.37	
1127 2.54			1224 3.70		
Tu 1717 -2.16			1828 -3.15		
			31	0054 3.90	
			Th 0709 -3.30		
			1340 3.74		
			1947 -3.25		
</					

HINKLEY POINT

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November				December			
Time	m	Time	m	Time	m	Time	m
1	0030 -4.82	16	0104 -5.14	1	0040 -4.74	16	0121 -4.53
Th	0634 5.64	F	0709 6.21	Sa	0643 5.58	Su	0726 5.53
	1248 -4.77		1321 -5.13		1301 -4.85		1339 -4.51
	1853 5.65		1927 6.11		1906 5.87		1948 5.27
2	0106 -4.91	17	0142 -4.99	2	0121 -4.79	17	0157 -4.39
F	0708 5.76	Sa	0747 6.06	Su	0723 5.87	M	0808 5.38
	1323 -4.78		1358 -4.92		1341 -4.64		1415 -4.34
	1827 5.66		2005 5.61		1947 5.83		2025 5.02
3	0141 -4.88	18	0215 -4.89	3	0159 -4.71	18	0228 -4.15
Sa	0742 5.74	Su	0824 5.73	M	0803 5.80	Tu	0841 5.09
	1357 -4.85		1432 -4.55		1418 -4.51		1447 -4.07
	2003 5.69		2042 5.33		2027 5.44		2059 4.85
4	0214 -4.66	19	0247 -4.22	4	0236 -4.50	19	0257 -3.81
Su	0817 5.53	M	0800 5.20	Tu	0842 5.40	W	0915 4.88
	1429 -4.37		1503 -4.03		1454 -4.27		1517 -3.73
	2038 5.35		2117 4.68		2109 5.11		2131 4.19
5	0245 -4.32	20	0315 -3.83	5	0312 -4.19	20	0325 -3.45
M	0851 5.15	Tu	0934 4.51	W	0923 5.06	Th	0948 4.21
	1458 -4.00		1532 -3.42		1533 -3.85		1547 -3.35
	2113 4.87		2151 3.93		2152 4.66		2204 3.70
6	0314 -3.90	21	0342 -3.01	6	0351 -3.60	21	0354 -3.07
Tu	0928 4.88	W	1009 3.78	Th	1008 4.64	F	1024 3.72
	1530 -3.58		1603 -2.80		1616 -3.58		1623 -2.97
	2152 4.29		2227 3.20		2243 4.17		2242 3.23
7	0348 -3.43	22	0412 -2.42	7	0439 -3.37	22	0432 -2.69
W	1007 4.14	Th	1051 3.11	F	1106 4.22	Sa	1107 3.27
	1609 -3.11		1646 -2.23		1712 -3.21		1709 -2.60
	2240 3.69		2314 2.59		2345 3.77		2329 2.83
8	0433 -2.90	23	0459 -1.89	8	0544 -3.02	23	0523 -2.32
Th	1104 3.62	F	1151 2.62	Sa	1215 3.86	Su	1205 2.95
	1707 -2.62		1753 -1.62		1826 -3.02		1809 -2.33
	2350 3.21						
9	0545 -2.42	24	0624 2.24	9	0100 3.66	24	0031 2.61
F	1227 3.35	Sa	0620 -1.56	Su	0704 -2.66	M	0633 -2.10
	1841 -2.41		1315 2.56		1332 4.04		1315 2.90
			1928 -1.89		1948 -3.17		1925 -2.34
10	0121 3.21	25	0151 2.39	10	0218 3.93	25	0144 2.70
Sa	0729 -2.47	Su	0803 -1.84	M	0825 -3.27	Tu	0757 -2.24
	1400 3.99		1435 3.01		1445 4.42		1426 3.17
	2021 -2.87		2043 -2.43		2105 -3.57		2038 -2.66
11	0248 3.83	26	0304 3.00	11	0325 4.44	26	0253 3.11
Su	0900 -3.16	M	0912 -2.52	Tu	0937 -3.77	W	0907 -2.69
	1518 4.50		1534 3.71		1551 4.88		1527 3.65
	2142 -3.70		2141 -3.11		2212 -4.02		2138 -3.14
12	0356 4.73	27	0357 3.74	12	0426 4.85	27	0352 3.69
M	1012 -4.02	Tu	1008 -3.24	W	1039 -4.21	Th	1007 -3.24
	1621 5.34		1622 4.38		1648 5.24		1621 4.19
	2245 -4.48		2230 -3.74		2308 -4.36		2234 -3.66
13	0455 5.51	28	0442 4.41	13	0518 5.32	28	0445 4.30
Tu	1109 -4.70	W	1053 -3.83	Th	1132 -4.48	F	1102 -3.76
	1715 5.93		1704 4.92		1740 5.42		1712 4.69
	2337 -4.95		2315 -4.22		2357 -4.53		2327 -4.12
14	0545 6.00	29	0523 4.95	14	0606 5.51	29	0534 4.84
W	1158 -5.07	Th	1137 -4.26	F	1218 -4.59	Sa	1154 -4.19
	1803 6.21		1745 5.31		1827 5.46		1802 5.12
			2358 -4.55				
15	0623 -5.15	30	0603 5.34	15	0042 -4.57	30	0017 -4.49
Th	0628 6.20	F	1220 -4.53	Sa	0649 5.57	Su	0622 5.26
	1242 -5.19		1826 5.56		1301 -4.59		1242 -5.53
	1846 6.24				1908 5.41		1849 5.44
						31	0104 -4.76
						M	0706 5.60
							1329 -4.76
							1938 5.66

BRIDGWATER

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February				
	Time	m		Time	m		Time	m
1 M	1026 2245	4.23 3.94	16 Tu	1142 1238	5.03 4.41	1 Th	1120 2342	4.08 3.85
2 Tu	1109 2332	3.88 3.61	17 W	0012 1238	4.44 4.41	2 F	1217 1217	3.75 3.75
3 W	1203 1203	3.59 3.59	18 Th	0112 1341	3.92 3.95	3 Sa	0050 1341	3.59 3.64
4 Th	0032 1318	3.42 3.54	19 F	0221 1453	3.68 3.81	4 Su	0222 1507	3.71 4.02
5 F	0151 1434	3.51 3.88	20 Sa	0331 1601	3.83 4.01	5 M	0340 1618	4.34 4.73
6 Sa	0307 1541	4.04 4.52	21 Su	0432 1658	4.28 4.42	6 Tu	0448 1721	5.16 5.49
7 Su	0410 1640	4.79 5.22	22 M	0523 1748	4.78 4.82	7 W	0545 1818	5.91 6.12
8 M	0508 1735	5.53 5.81	23 Tu	0608 1827	5.20 5.12	8 Th	0638 1908	6.49 6.57
9 Tu	0558 1828	6.10 6.24	24 W	0644 1904	5.46 5.30	9 F	0727 1955	6.87 6.82
10 W	0649 1918	6.50 6.50	25 Th	0719 1938	5.58 5.39	10 Sa	0813 2040	7.04 6.88
11 Th	0738 2007	6.72 6.60	26 F	0752 2008	5.63 5.45	11 Su	0857 2123	6.97 6.62
12 F	0828 2055	6.76 6.52	27 Sa	0824 2039	5.63 5.45	12 M	0941 2205	6.81 6.09
13 Sa	0914 2143	6.61 6.22	28 Su	0858 2112	5.55 5.34	13 Tu	1023 2248	5.96 5.34
14 Su	1002 2231	6.24 5.72	29 M	0929 2144	5.31 5.08	14 W	1105 2327	5.13 4.50
15 M	1051 2320	5.68 5.08	30 Tu	1003 2219	4.93 4.65	15 Th	1149 1149	4.28 4.28
			31 W	1039 2257	4.49 4.22			

BRIDGWATER**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

March				April			
	Time	m			Time	m	
1	1013	4.88		1	1123	3.85	
Th	2227	4.63		Su	2352	3.73	
2	1049	4.36		2	1247	3.40	
F	2307	4.14		M			
3	1139	3.88		3	0128	3.51	
Sa				Tu	1425	3.56	
4	0008	3.68		4	0302	4.00	
Su	1300	3.47		W	1549	4.33	
5	0146	3.50		5	0418	4.91	
M	1441	3.65		Th	1655	5.28	
6	0318	4.03		6	0518	5.79	
Tu	1602	4.39		F	1749	6.03	
7	0432	4.93		7	0608	6.38	
W	1709	5.31		Sa	1834	6.49	
8	0534	5.83		8	0651	6.70	
Th	1806	6.10		Su	1914	6.71	
9	0626	6.50		9	0731	6.82	
F	1853	6.62		M	1952	6.76	
10	0712	6.91		10	0807	6.75	
Sa	1937	6.90		Tu	2028	6.58	
11	0754	7.09		11	0844	6.42	
Su	2018	6.96		W	2103	6.12	
12	0835	7.03		12	0921	5.77	
M	2057	6.75		Th	2138	5.36	
13	0914	6.66		13	0955	4.91	
Tu	2135	6.22		F	2210	4.51	
14	0952	5.96		14	1027	4.02	
W	2210	5.42		Sa	2242	3.69	
15	1028	5.06		15	1104	3.22	
Th	2245	4.52		Su	2331	2.97	
16				16			
F				M			
17	1146	3.30		17	0102	2.53	
Sa				Tu	1355	2.43	
18	0018	2.97		18	0247	2.87	
Su	1259	2.68		W	1525	3.06	
19	0155	2.66		19	0354	3.70	
M	1446	2.69		Th	1622	3.93	
20	0331	3.18		20	0441	4.52	
Tu	1606	3.42		F	1704	4.67	
21	0433	4.07		21	0523	5.13	
W	1659	4.28		Sa	1741	5.22	
22	0519	4.85		22	0557	5.54	
Th	1740	4.94		Su	1816	5.62	
23	0557	5.35		23	0633	5.83	
F	1917	5.35		M	1849	5.93	
24	0632	5.65		24	0707	6.05	
Sa	1849	5.63		Tu	1924	6.15	
25	0704	5.85		25	0743	6.16	
Su	1919	5.87		W	1959	6.20	
26	0736	6.04		26	0820	6.06	
M	1951	6.07		Th	2035	6.02	
27	0808	6.13		27	0858	5.73	
Tu	2023	6.10		F	2113	5.61	
28	0841	6.01		28	0938	5.20	
W	2057	5.86		Sa	2154	5.05	
29	0916	5.63		29	1026	4.56	
Th	2129	5.44		Su	2245	4.44	
30	0951	5.09		30	1125	3.96	
F	2205	4.88		M	2353	3.94	
31	1031	4.47					
Sa	2248	4.29					

BRIDGWATER**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

May			June		
	Time	m		Time	m
1 Tu	1245	3.62	16 W	0012 1252	2.81 2.61
2 W	0120 1411	3.82 3.80	17 Th	0144 1422	2.85 2.89
3 Th	0245 1530	4.24 4.43	18 F	0258 1527	3.39 3.58
4 F	0358 1634	4.95 5.18	19 Sa	0354 1617	4.11 4.30
5 Sa	0456 1726	5.61 5.76	20 Su	0439 1700	4.79 4.97
6 Su	0545 1809	6.02 6.08	21 M	0521 1740	5.33 5.50
7 M	0627 1849	6.20 6.24	22 Tu	0600 1819	5.72 5.89
8 Tu	0705 1925	6.26 6.30	23 W	0641 1859	5.99 6.13
9 W	0743 2001	6.22 6.21	24 Th	0722 1940	6.11 6.21
10 Th	0820 2036	5.98 5.86	25 F	0804 2021	6.08 6.10
11 F	0855 2111	5.47 5.26	26 Sa	0848 2105	5.81 5.80
12 Sa	0928 2143	4.77 4.63	27 Su	0935 2153	5.39 5.34
13 Su	1000 2218	4.04 3.83	28 M	1027 2248	4.88 4.85
14 M	1037 2301	3.38 3.23	29 Tu	1126 2354	4.40 4.46
15 Tu	1131	2.88	30 W	1236	4.12
			31 Th	0107 1350	4.32 4.14
			1 F	0222 1502	4.48 4.44
			2 Sa	0330 1605	4.83 4.88
			3 Su	0429 1658	5.19 5.25
			4 M	0520 1743	5.42 5.50
			5 Tu	0603 1824	5.54 5.66
			6 W	0644 1902	5.61 5.76
			7 Th	0721 1940	5.62 5.78
			8 F	0756 2017	5.50 5.57
			9 Sa	0835 2051	5.21 5.19
			10 Su	0909 2125	4.77 4.70
			11 M	0942 2200	4.29 4.21
			12 Tu	1019 2241	3.84 3.75
			13 W	1102 2332	3.44 3.39
			14 Th	1158	3.15
			15 F	0036 1307	3.20 3.09
			16 Sa	0150 1422	3.33 3.38
			17 Su	0257 1524	3.79 3.97
			18 M	0354 1616	4.42 4.87
			19 Tu	0444 1707	5.03 5.30
			20 W	0532 1754	5.53 5.78
			21 Th	0620 1840	5.87 6.10
			22 F	0707 1926	6.08 6.26
			23 Sa	0754 2012	6.11 6.27
			24 Su	0842 2100	6.03 6.14
			25 M	0932 2151	5.80 5.86
			26 Tu	1024 2245	5.43 5.47
			27 W	1118 2341	5.00 5.05
			28 Th	1216	4.59
			29 F	0043 1320	4.69 4.30
			30 Sa	0149 1428	4.47 4.22

BRIDGWATER**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

July			August								
	Time	m		Time	m		Time	m		Time	m
1 Su	0257 1531	4.43 4.35	16 M	0158 1432	3.58 3.68	1 W	0434 1701	4.13 4.53	16 Th	0348 1619	4.23 4.78
2 M	0358 1630	4.54 4.63	17 Tu	0311 1540	4.01 4.30	2 Th	0528 1749	4.55 4.99	17 F	0454 1720	5.05 5.59
3 Tu	0454 1721	4.73 4.93	18 W	0413 1639	4.65 5.03	3 F	0614 1832	4.91 5.31	18 Sa	0552 1815	5.77 6.25
4 W	0543 1805	4.92 5.19	19 Th	0509 1734	5.27 5.65	4 Sa	0653 1909	5.14 5.48	19 Su	0645 1904	6.31 6.71
5 Th	0626 1846	5.09 5.38	20 F	0604 1826	5.76 6.12	5 Su	0729 1943	5.29 5.54	20 M	0733 1951	6.68 6.97
6 F	0707 1924	5.20 5.47	21 Sa	0655 1916	6.11 6.43	6 M	0801 2016	5.33 5.55	21 Tu	0819 2035	6.80 7.02
7 Sa	0745 2001	5.23 5.44	22 Su	0748 2004	6.34 6.60	7 Tu	0832 2047	5.35 5.49	22 W	0901 2119	6.70 6.79
8 Su	0820 2035	5.15 5.30	23 M	0834 2052	6.42 6.62	8 W	0901 2119	5.28 5.31	23 Th	0944 2202	6.31 6.25
9 M	0853 2108	4.99 5.06	24 Tu	0922 2140	6.31 6.42	9 Th	0933 2151	5.05 4.95	24 F	1026 2245	5.64 5.45
10 Tu	0925 2141	4.78 4.78	25 W	1009 2228	5.98 6.00	10 F	1005 2224	4.66 4.48	25 Sa	1108 2330	4.80 4.56
11 W	0958 2217	4.48 4.40	26 Th	1057 2317	5.44 5.40	11 Sa	1039 2300	4.21 4.02	26 Su	1155	3.99
12 Th	1035 2257	4.11 4.01	27 F	1145	4.80	12 Su	1118 2345	3.80 3.64	27 M	0020 1254	3.74 3.35
13 F	1118 2342	3.75 3.67	28 Sa	0009 1240	4.74 4.20	13 M	1214	3.49	28 Tu	0130 1416	3.17 3.13
14 Sa	1205	3.48	29 Su	0108 1344	4.16 3.60	14 Tu	0057 1340	3.39 3.42	29 W	0259 1542	3.14 3.55
15 Su	0042 1313	3.48 3.40	30 M	0216 1458	3.81 3.73	15 W	0231 1508	3.57 3.92	30 Th	0416 1644	3.70 4.32
			31 Tu	0328 1604	3.61 4.04				31 F	0512 1732	4.43 5.02

BRIDGWATER**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September			October		
	Time	m		Time	m
1	0557	4.98	16	0540	5.89
Sa	1813	5.45	Su	1800	6.43
2	0634	5.31	17	0629	6.52
Su	1848	5.68	M	1848	6.92
3	0707	5.47	18	0714	6.87
M	1921	5.74	Tu	1931	7.16
4	0737	5.58	19	0758	6.98
Tu	1951	5.81	W	2013	7.16
5	0805	5.88	20	0835	6.88
W	2020	5.82	Th	2053	6.87
6	0835	5.88	21	0915	6.42
Th	2051	5.88	F	2133	6.24
7	0905	5.47	22	0954	5.87
F	2122	5.31	Sa	2212	5.33
8	0938	5.04	23	1031	4.74
Sa	2154	4.78	Su	2250	4.33
9	1007	4.52	24	1110	3.82
Su	2228	4.24	M	2335	3.40
10	1042	4.03	25	1204	3.04
M	2307	3.73	Tu		
11	1133	3.57	26	0044	2.70
Tu			W	1339	2.88
12	0015	3.28	27	0230	2.84
W	1300	3.27	Th	1518	3.17
13	0202	3.26	28	0354	3.37
Th	1444	3.67	F	1822	4.11
14	0331	3.98	29	0449	4.28
F	1603	4.63	Sa	1707	4.94
15	0441	4.99	30	0531	4.98
Sa	1707	5.85	Su	1747	5.48
			1	0606	5.39
			M	1821	5.73
			16	0609	6.51
			Tu	1827	6.85
			2	0638	5.61
			Tu	1852	5.86
			17	0651	6.79
			W	1908	7.01
			18	0731	6.67
			Th	1947	6.86
			19	0808	6.75
			F	2026	6.67
			20	0845	6.34
			Sa	2104	6.06
			21	0923	5.62
			Su	2142	5.17
			22	0959	4.71
			M	2218	4.18
			23	1036	3.78
			Tu	2259	3.28
			24	1128	3.00
			W		
			25	0001	2.58
			Th	1254	2.55
			26	0145	2.41
			F	1436	2.88
			27	0316	3.01
			Sa	1545	3.71
			28	0412	3.89
			Su	1833	4.55
			29	0453	4.64
			M	1712	5.18
			30	0532	5.18
			Tu	1747	5.55
			31	0604	5.53
			W	1820	5.78

BRIDGWATER

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November				December				
Time	m	Time	m	Time	m	Time	m	
1 Th	0635 1852	5.79 5.95	16 F	0706 1924	5.47 6.47	1 Sa	0642 1904	5.97 5.97
2 F	0707 1926	5.98 6.03	17 Sa	0743 2002	6.41 6.25	2 Su	0720 1943	6.10 5.98
3 Sa	0740 2001	6.05 5.95	18 Su	0822 2041	6.11 5.76	3 M	0800 2026	6.07 5.83
4 Su	0816 2036	5.91 5.87	19 M	0900 2119	5.54 5.04	4 Tu	0841 2109	5.87 5.51
5 M	0851 2115	5.57 5.20	20 Tu	0937 2156	4.77 4.23	5 W	0926 2158	5.51 5.08
6 Tu	0929 2157	5.07 4.81	21 W	1013 2233	3.99 3.49	6 Th	1018 2253	5.06 4.59
7 W	1016 2250	4.50 4.01	22 Th	1058 2323	3.32 2.91	7 F	1118 2358	4.64 4.21
8 Th	1117 2357	3.97	23 F	1203 2357	2.86	8 Sa	1227 2357	4.39
9 F	0003 1239	3.58 3.74	24 Sa	0039 1329	2.59 2.81	9 Su	0110 1343	4.08 4.41
10 Sa	0132 1409	3.80 4.08	25 Su	0207 1446	2.75 3.25	10 M	0225 1455	4.28 4.70
11 Su	0255 1525	4.17 4.79	26 M	0316 1542	3.33 3.92	11 Tu	0332 1558	4.87 5.10
12 M	0403 1627	4.98 5.56	27 Tu	0408 1628	4.04 4.58	12 W	0430 1653	5.13 5.45
13 Tu	0458 1719	5.69 6.11	28 W	0448 1708	4.71 5.12	13 Th	0521 1742	5.51 5.87
14 W	0545 1804	6.14 6.40	29 Th	0528 1748	5.26 5.54	14 F	0605 1825	5.77 5.80
15 Th	0627 1845	6.38 6.50	30 F	0603 1824	5.69 5.82	15 Sa	0647 1907	5.93 5.85
						16 Su	0706 1933	6.17 6.09
						17 M	0725 1946	5.98 5.77
						18 Tu	0804 2026	5.85 5.52
						19 W	0842 2103	5.51 5.08
						20 Th	0919 2138	5.01 4.56
						21 F	0954 2212	4.46 4.04
						22 Sa	1032 2250	3.96 3.59
						23 Su	1117 2336	3.51 3.20
						24 M	1214 2357	3.19
						25 Tu	0041 1325	2.96 3.11
						26 W	0155 1436	3.03 3.39
						27 Th	0304 1536	3.48 3.94
						28 F	0400 1627	4.17 4.59
						29 Sa	0450 1715	4.88 5.18
						30 Su	0536 1801	5.48 5.83
						31 M	0621 1848	5.91 5.92

BURNHAM

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January			February		
	Time	m		Time	m
1	0428	-3.64	1	0524	-3.62
	1028	3.84		1118	3.88
M	1655	-3.58	Th	1754	-3.49
	2245	3.54		2340	3.44
2	0508	-3.34	2	0612	-3.29
	1108	3.45		1213	3.34
Tu	1740	-3.28	F	1850	-3.16
	2330	3.20			
3	0556	-3.08	3	0646	3.17
	1200	3.17		0720	-2.96
W	1835	-3.03	Sa	1336	3.23
				2014	-2.96
4	0028	2.99	4	0217	3.29
	0656	-2.83		0903	-2.86
Th	1311	3.13	Su	1503	3.62
	1946	-2.92		2154	-3.38
5	0146	3.09	5	0338	3.95
	0819	-2.81		1030	-3.63
F	1430	3.47	M	1617	4.36
	2115	-3.18		2304	-4.11
6	0303	3.64	6	0446	4.80
	0950	-3.26		1107	-4.35
Sa	1539	4.13	Tu	1723	5.13
	2228	-3.82			
7	0409	4.42	7	0009	-4.75
	1057	-3.96		0540	5.58
Su	1840	4.88	W	1241	-4.97
	2328	-4.46		1822	5.79
8	0507	5.18	8	0108	-5.29
	1156	-4.57		0642	6.17
M	1737	5.47	Th	1338	-5.48
				1913	6.25
9	0025	-4.94	9	0201	-5.70
	0602	5.77		0732	6.56
Tu	1253	-5.01	F	1429	-5.83
	1832	5.91		2000	6.52
10	0119	-5.28	10	0249	-5.93
	0654	6.16		0818	6.74
W	1347	-5.31	Sa	1514	-6.94
	1923	6.18		2044	6.55
11	0210	-5.47	11	0332	-5.92
	0743	6.41		0901	6.67
Th	1437	-5.48	Su	1556	-5.78
	2012	6.29		2126	6.31
12	0259	-5.53	12	0411	-5.65
	0830	6.46		0943	6.30
F	1524	-5.50	M	1631	-5.36
	2059	6.20		2207	5.78
13	0344	-5.43	13	0445	-5.16
	0917	6.30		1023	5.62
Sa	1611	-5.33	Tu	1704	-4.78
	2145	5.90		2246	4.98
14	0426	-5.17	14	0518	-4.54
	1004	5.91		1104	4.77
Su	1652	-5.00	W	1737	-4.12
	2231	5.38		2325	4.12
15	0509	-4.78	15	0554	-3.86
	1051	5.33		1148	3.89
M	1735	-4.55	Th	1815	-3.45
	2318	4.72			
16	0552	-4.29	16	0610	3.33
	1140	4.66		0636	-3.16
Tu	1820	-4.04	F	1238	3.13
				1902	-2.61
17	0008	4.05	17	0114	2.77
	0642	-3.76		0740	-2.59
W	1234	4.02	Sa	1353	2.68
	1911	-3.52		2028	-2.39
18	0107	3.51	18	0241	2.70
	0739	-3.27		0927	-2.56
Th	1336	3.55	Su	1522	2.82
	2015	-3.11		2204	-2.75
19	0216	3.27	19	0402	3.24
	0853	-3.01		1039	-3.21
F	1449	3.40	M	1636	3.45
	2131	-3.04		2305	-3.47
20	0328	3.43	20	0502	4.01
	1007	-3.16		1131	-3.92
Sa	1559	3.61	Tu	1726	4.15
	2230	-3.36		2354	-4.10
21	0432	3.88	21	0549	4.66
	1107	-3.63		1216	-4.41
Su	1659	4.03	W	1812	4.66
	2333	-3.81			
22	0525	4.41	22	0036	-4.50
	1156	-4.08		0628	5.07
M	1749	4.45	Th	1256	-4.69
				1846	4.97
23	0018	-4.19	23	0117	-4.70
	0610	4.83		0704	5.29
Tu	1239	-4.37	F	1337	-4.83
	1831	4.76		1921	5.17
24	0059	-4.43	24	0154	-4.82
	0648	5.10		0736	5.43
W	1316	-4.54	Sa	1413	-4.94
	1906	4.94		1951	5.35
25	0136	-4.55	25	0228	-4.91
	0724	5.24		0808	5.56
Th	1356	-4.63	Su	1447	-5.03
	1943	5.04		2021	5.50
26	0211	-4.59	26	0300	-4.97
	0757	5.29		0836	5.60
F	1430	-4.66	M	1519	-5.03
	2013	5.09		2052	5.49
27	0243	-4.59	27	0330	-4.90
	0828	5.28		0910	5.44
Sa	1503	-4.66	Tu	1548	-4.86
	2043	5.10		2123	5.23
28	0314	-4.55	28	0357	-4.67
	0900	5.20		0941	5.04
Su	1534	-4.60	W	1616	-4.54
	2115	4.96		2155	4.76
29	0344	-4.44			
	0932	4.96			
M	1606	-4.42			
	2146	4.89			
30	0414	-4.22			
	1005	4.56			
Tu	1638	-4.14			
	2220	4.27			
31	0447	-3.93			
	1039	4.11			
W	1713	-3.82			
	2256	3.83			

BURNHAM**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

March			April		
	Time	m		Time	m
1	0424	-4.35	16	0508	-3.96
Th	1014	4.51	F	1103	3.74
	1845	-4.18		1722	-3.50
	2227	4.25		2320	3.27
2	0456	-4.01	17	0541	-3.29
F	1049	3.98	Sa	1144	2.88
	1719	-3.82		1801	-2.84
	2308	3.75			
3	0539	-3.64	18	0614	2.53
Sa	1137	3.46	Su	0632	-2.59
	1810	-3.38		1255	2.23
				1905	-2.18
4	0604	3.27	19	0150	2.21
Su	0839	-3.18	M	0830	-2.16
	1256	3.05		1442	2.24
	1928	-2.93		2131	-2.24
5	0141	3.08	20	0328	2.75
M	0824	-2.88	Tu	1009	-2.91
	1437	3.23		1808	3.00
	2128	-3.11		2239	-3.17
6	0314	3.63	21	0433	3.87
Tu	1009	-3.49	W	1103	-3.81
	1600	4.00		1700	3.89
	2247	-3.91		2328	-3.99
7	0432	4.56	22	0521	4.47
W	1125	-4.32	Th	1150	-4.45
	1711	4.95		1743	4.57
	2357	-4.71			
8	0538	5.49	23	0612	-4.52
Th	1231	-5.09	F	0601	5.00
	1810	5.77		1232	-4.81
				1821	4.99
9	0657	-5.42	24	0652	-4.81
F	0630	6.18	Sa	0636	5.30
	1327	-5.70		1313	-5.01
	1858	6.31		1854	5.28
10	0148	-5.92	25	0131	-5.00
Sa	0717	6.60	Su	0709	5.52
	1413	-6.04		1350	-5.15
	1942	6.60		1924	5.53
11	0231	-6.16	26	0206	-5.15
Su	0759	6.79	M	0741	5.70
	1455	-6.10		1425	-5.27
	2022	6.66		1856	5.74
12	0311	-6.11	27	0239	-5.24
M	0839	6.73	Tu	0813	5.80
	1532	-5.87		1459	-5.29
	2101	6.44		2027	5.77
13	0344	-5.80	28	0310	-5.19
Tu	0917	6.35	W	0845	5.87
	1802	-5.40		1527	-5.12
	2137	5.89		2101	5.54
14	0413	-5.28	29	0338	-4.96
W	0954	5.63	Th	0919	5.29
	1628	-4.60		1554	-4.79
	2211	5.07		2132	5.08
15	0440	-4.64	30	0404	-4.64
Th	1028	4.89	F	0953	4.72
	1854	-4.15		1621	-4.43
	2245	4.14		2207	4.51
			31	0436	-4.28
			Sa	1031	4.09
				1656	-4.02
				2248	3.90
			1	0519	-3.85
			Su	1121	3.44
				1747	-3.52
				2349	3.31
			2	0521	-3.31
			M	1243	2.88
				1908	-3.00
			3	0123	3.09
			Tu	0807	-3.02
				1420	3.14
				2105	-3.14
			4	0258	3.80
			W	0953	-3.62
				1547	3.94
				2231	-3.94
			5	0417	4.54
			Th	1111	-4.44
				1656	4.82
				2343	-4.78
			6	0520	5.44
			F	1215	-5.19
				1752	5.70
			7	0039	-5.46
			Sa	0612	6.06
				1307	-5.68
				1838	6.17
			8	0127	-5.86
			Su	0656	6.39
				1352	-5.88
				1919	6.40
			9	0208	-5.98
			M	0736	6.51
				1429	-5.83
				1957	6.45
			10	0243	-5.89
			Tu	0812	6.44
				1502	-5.80
				2032	6.28
			11	0313	-5.82
			W	0848	6.10
				1527	-5.23
				2107	5.79
			12	0340	-5.19
			Th	0924	5.43
				1552	-4.73
				2140	5.02
			13	0405	-4.64
			F	0957	4.54
				1615	-4.17
				2211	4.13
			14	0431	-4.04
			Sa	1027	3.82
				1641	-3.59
				2242	3.28
			15	0502	-3.43
			Su	1103	2.79
				1717	-2.99
				2329	2.53

BURNHAM**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

May			June			
Time	m		Time	m		
1	0624 -3.51		1	0217 4.09	16	0145 2.91
1241 3.21			0903 -4.05		0817 -3.01	
Tu 1907 -3.26			1458 4.06		1417 2.96	
			2136 -4.07		2051 -2.90	
2	0115 3.41		2	0327 4.46	17	0253 3.38
0803 -3.41			1013 -4.29		0937 -3.44	
W 1406 3.39			1603 4.50		1521 3.57	
2048 -3.45			2245 -4.37		2205 -3.46	
3	0241 3.85		3	0429 4.83	18	0352 4.03
0932 -3.90			1117 -4.51		1037 -4.03	
Th 1527 4.04			1859 4.89		1617 4.29	
2208 -4.08			2344 -4.63		2303 -4.09	
4	0358 4.59		4	0522 5.07	19	0444 4.67
1047 -4.50			1210 -4.66		1130 -4.55	
F 1634 4.82			M 1746 5.15		1708 4.84	
2319 -4.71					2355 -4.80	
5	0457 5.27		5	0031 -4.78	20	0534 5.18
1151 -5.00			0807 5.19		1220 -4.94	
Sa 1728 5.42			Tu 1254 -4.72		1757 5.44	
			1828 5.31			
6	0015 -5.19		6	0113 -4.83	21	0045 -4.85
0548 5.69			0648 5.26		0824 5.53	
Su 1241 -5.29			W 1332 -4.72		1310 -5.19	
1813 5.75			1907 5.42		1844 5.77	
7	0101 -5.42		7	0148 -4.84	22	0133 -5.17
0831 5.88			0728 5.27		0712 5.72	
M 1324 -5.36			Th 1404 -4.70		1357 -5.30	
1853 5.91			1945 5.42		1931 5.93	
8	0141 -5.46		8	0220 -4.80	23	0221 -5.26
0710 5.94			0803 5.15		0759 5.79	
Tu 1400 -5.29			F 1434 -4.61		1443 -5.28	
1930 5.98			2021 5.23		2017 5.95	
9	0214 -5.39		9	0250 -4.66	24	0308 -5.23
0746 5.89			0839 4.85		0846 5.70	
W 1431 -5.15			Sa 1502 -4.41		1527 -5.16	
2006 5.88			2055 4.83		2104 5.81	
10	0243 -5.23		10	0319 -4.42	25	0354 -5.10
0824 5.84			0913 4.39		0934 5.46	
Th 1458 -4.93			Su 1530 -4.12		1613 -4.95	
2040 5.53			2128 4.33		2153 5.52	
11	0311 -4.85		11	0348 -4.12	26	0440 -4.89
0859 5.12			0944 3.90		1024 5.08	
F 1522 -4.59			M 1557 -3.82		1659 -4.69	
2114 4.90			2202 3.81		2245 5.12	
12	0337 -4.54		12	0422 -3.81	27	0529 -4.63
0931 4.39			1020 3.43		1116 4.63	
Sa 1547 -4.15			1633 -3.51		1751 -4.40	
2145 4.15			2241 3.34		2339 4.69	
13	0404 -4.07		13	0502 -3.50	28	0824 -4.35
1002 3.83			1101 3.02		1212 4.21	
Su 1614 -3.68			W 1717 -3.19		1848 -4.12	
2217 3.42			2330 2.98			
14	0437 -3.59		14	0554 -3.19	29	0039 4.32
1037 2.88			1155 2.72		0724 -4.06	
M 1849 -3.21			Th 1812 -2.69		1315 3.91	
2300 2.80					1951 -3.88	
15	0521 -3.10		15	0032 2.77	30	0144 4.06
1129 2.42			0658 -2.97		0827 -3.88	
Tu 1739 -2.72			F 1302 2.65		1423 3.83	
			1923 -2.72		2100 -3.76	

Year : 2001

Computed and formatted by POLTIPS for Windows; Proudman Oceanographic Laboratory Prediction Software

BURNHAM**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September			October		
	Time	m		Time	m
1	0004	-4.32	16	0001	-4.80
	0600	4.62		0543	5.56
Sa	1228	-4.38	Su	1229	-5.13
	1817	5.10		1804	6.12
2	0047	-4.61	17	0101	-5.48
	0638	4.95		0633	6.21
Su	1306	-4.58	M	1323	-5.60
	1853	5.31		1852	6.62
3	0128	-4.73	18	0151	-5.90
	0712	5.12		0719	6.56
M	1343	-4.66	Tu	1410	-6.01
	1926	5.40		1936	6.86
4	0201	-4.80	19	0235	-6.05
	0742	5.23		0801	6.89
Tu	1418	-4.71	W	1451	-6.05
	1956	5.47		2018	6.87
5	0235	-4.85	20	0314	-5.91
	0810	5.34		0839	6.55
W	1447	-4.74	Th	1527	-5.81
	2024	5.48		2028	6.57
6	0308	-4.88	21	0347	-5.48
	0839	5.34		0918	6.10
Th	1517	-4.89	F	1558	-5.30
	2055	5.34		2135	5.92
7	0334	-4.72	22	0418	-4.86
	0909	5.12		0956	5.33
F	1544	-4.47	Sa	1628	-4.63
	2125	4.98		2213	4.98
8	0400	-4.41	23	0443	-4.15
	0938	4.68		1031	4.36
Sa	1609	-4.13	Su	1857	-3.89
	2156	4.41		2250	3.93
9	0428	-4.01	24	0513	-3.43
	1008	4.14		1109	3.41
Su	1838	-3.78	M	1731	-3.14
	2226	3.84		2333	2.97
10	0459	-3.82	25	0548	-2.72
	1042	3.82		1201	2.80
M	1713	-3.36	Tu	1818	-2.42
	2306	3.32			
11	0540	-3.23	26	0640	2.25
	1131	3.15		0847	-2.05
Tu	1804	-2.96	W	1334	2.24
				2006	-1.95
12	0611	2.85	27	0228	2.19
	0644	-2.78		0814	-2.00
W	1258	2.84	Th	1514	2.74
	1830	-2.57		2157	-2.67
13	0157	2.83	28	0352	2.95
	0842	-2.68		1027	-2.95
Th	1440	3.26	F	1621	3.71
	2137	-3.02		2252	-3.63
14	0328	3.58	29	0449	3.89
	1014	-3.51		1117	-3.84
F	1601	4.25	Sa	1708	4.57
	2253	-3.98		2336	-4.33
15	0441	4.82	30	0533	4.61
	1125	-4.39		1200	-4.40
Sa	1708	5.30	Su	1750	5.13
			1	0020	-4.71
				0610	5.03
			M	1239	-4.67
				1825	5.39
			2	0058	-4.87
				0842	5.28
			Tu	1316	-4.60
				1857	5.52
			3	0135	-4.95
				0712	5.42
			W	1351	-4.87
				1927	5.61
			4	0210	-5.01
				0741	5.56
			Th	1423	-4.91
				1957	5.66
			5	0241	-5.01
				0811	5.59
			F	1452	-4.85
				2028	5.54
			6	0310	-4.85
				0842	5.39
			Sa	1521	-4.63
				2101	5.18
			7	0337	-4.52
				0913	4.98
			Su	1547	-4.27
				2131	4.63
			8	0402	-4.12
				0945	4.40
			M	1614	-3.89
				2208	4.00
			9	0432	-3.73
				1022	3.82
			Tu	1852	-3.50
				2250	3.37
			10	0516	-3.28
				1113	3.25
			W	1748	-3.02
				2359	2.84
			11	0625	-2.78
				1241	2.91
			Th	1918	-2.62
			12	0141	2.83
				0620	-2.68
			F	1423	3.32
				2118	-3.10
			13	0313	3.60
				0958	-3.50
			Sa	1548	4.32
				2237	-4.05
			14	0428	4.67
				1109	-4.41
			Su	1650	5.36
				2345	-4.87
			15	0524	5.60
				1211	-5.17
			M	1745	6.13
			16	0041	-5.48
				0613	6.19
			Tu	1302	-5.86
				1831	6.55
			17	0129	-5.78
				0656	6.48
			W	1347	-5.86
				1913	6.71
			18	0210	-5.79
				0738	6.57
			Th	1425	-5.61
				1952	6.66
			19	0245	-5.56
				0813	6.44
			F	1459	-5.54
				2030	6.36
			20	0315	-5.19
				0649	6.02
			Sa	1527	-5.09
				2108	5.72
			21	0342	-4.65
				0926	5.28
			Su	1555	-4.48
				2144	4.80
			22	0407	-4.00
				1001	4.33
			M	1623	-3.79
				2219	3.78
			23	0434	-3.34
				1036	3.37
			Tu	1655	-3.10
				2258	2.85
			24	0508	-2.69
				1124	2.58
			W	1736	-2.44
				2358	2.13
			25	0559	-2.04
				1250	2.10
			Th	1857	-1.89
			26	0149	1.95
				0804	-1.68
			F	1432	2.43
				2120	-2.32
			27	0312	2.58
				0853	-2.50
			Sa	1543	3.30
				2219	-3.26
			28	0411	3.48
				1044	-3.42
			Su	1633	4.17
				2305	-4.02
			29	0458	4.26
				1127	-4.08
			M	1714	4.60
				2347	-4.51
			30	0534	4.82
				1207	-4.49
			Tu	1750	5.20
			31	0027	-4.79
				0908	5.18
			W	1245	-4.74
				1824	5.44

BURNHAM

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November				December							
	Time	m			Time	m					
1	0104	-4.95	16	0142	-5.26	1	0113	-5.02	16	0153	-4.69
Th	0639	5.45	F	0711	6.15	Sa	0646	5.64	Su	0730	5.84
	1321	-4.89		1358	-5.32		1332	-4.94		1410	-4.74
	1857	5.61		1929	6.15		1809	5.64		1951	5.43
2	0141	-5.06	17	0216	-5.12	2	0153	-5.09	17	0226	-4.57
F	0712	5.65		0748	6.09		0725	5.77		0809	5.51
	1357	-4.97	Sa	1431	-5.14	Su	1410	-4.96	M	1443	-4.58
	1931	5.69		2007	5.92		1948	5.65		2030	5.17
3	0215	-5.07	18	0246	-4.85	3	0230	-5.00	18	0257	-4.34
	0745	5.71		0826	5.76		0805	5.74		0846	5.16
Sa	1430	-4.93	Su	1502	-4.81	M	1449	-4.83	Tu	1514	-4.30
	2008	5.62		2045	5.42		2030	5.49		2107	4.72
4	0247	-4.93	19	0314	-4.45	4	0307	-4.78	19	0326	-4.00
	0820	5.56		0904	5.19		0845	5.53		0922	4.64
Su	1501	-4.73	M	1531	-4.34	Tu	1528	-4.60	W	1545	-3.95
	2040	5.32		2122	4.68		2113	5.18		2140	4.17
5	0318	-4.84	20	0340	-3.94	5	0344	-4.48	20	0354	-3.64
	0855	5.22		0939	4.39		0829	5.18		0958	4.08
M	1531	-4.41	Tu	1559	-3.79	W	1808	-4.30	Th	1816	-3.60
	2118	4.64		2158	3.84		2200	4.70		2213	3.64
6	0346	-4.27	21	0408	-3.39	6	0424	-4.15	21	0424	-3.31
	0932	4.70		1014	3.58		1019	4.68		1032	3.55
Tu	1602	-4.05	W	1631	-3.24	Th	1654	-3.99	F	1652	-3.27
	2159	4.23		2233	3.07		2253	4.21		2250	3.17
7	0421	-3.87	22	0441	-2.88	7	0517	-3.81	22	0502	-2.99
	1017	4.11		1057	2.89		1116	4.26		1115	3.10
W	1645	-3.85	Th	1711	-2.73	F	1755	-3.71	Sa	1737	-2.95
	2250	3.81		2321	2.47		2355	3.62		2338	2.77
8	0509	-3.42	23	0526	-2.39	8	0625	-3.54	23	0552	-2.65
	1115	3.57		1200	2.41		1223	4.00		1210	2.78
Th	1748	-3.21	F	1811	-2.30	Sa	1910	-3.56	Su	1834	-2.64
9	0000	3.18	24	0035	2.14	9	0105	3.68	24	0037	2.52
	0624	-3.00		0635	-1.88		0742	-3.48		0853	-2.37
F	1235	3.33	Sa	1324	2.38	Su	1338	4.02	M	1320	2.68
	1918	-2.99		1951	-2.15		2025	-3.66		1946	-2.50
10	0127	3.19	25	0202	2.30	10	0220	3.86	25	0150	2.59
	0804	-3.01		0839	-2.03		0859	-3.67		0818	-2.32
Sa	1404	3.66	Su	1442	2.82	M	1451	4.32	Tu	1432	2.98
	2057	-3.40		2128	-2.70		2137	-3.90		2117	-2.77
11	0251	3.77	26	0312	2.90	11	0329	4.29	26	0300	3.08
	0931	-3.63		0955	-2.74		1009	-3.99		0947	-2.79
Su	1522	4.41	M	1540	3.51	Tu	1558	4.73	W	1533	3.54
	2212	-4.06		2221	-3.41		2245	-4.17		2220	-3.40
12	0401	4.61	27	0404	3.84	12	0430	4.77	27	0358	3.77
	1044	-4.32		1044	-3.48		1115	-4.33		1046	-3.50
M	1627	5.21	Tu	1628	4.19	W	1654	5.09	Th	1627	4.21
	2320	-4.67		2307	-4.02		2345	-4.45		2312	-4.06
13	0459	5.34	28	0448	4.33	13	0523	5.16	28	0450	4.51
	1146	-4.90		1128	-4.05		1209	-4.62		1136	-4.15
Tu	1721	5.79	W	1710	4.76	Th	1745	5.33	F	1717	4.81
				2350	-4.48						
14	0015	-5.09	29	0528	4.91	14	0034	-4.64	29	0001	-4.58
	0548	5.82		1209	-4.49		0609	5.43		0538	5.12
W	1237	-5.25	Th	1749	5.19	F	1254	-4.77	Sa	1223	-4.81
	1808	6.08					1829	5.48		1805	5.28
15	0101	-5.27	30	0031	-4.82	15	0115	-4.71	30	0048	-4.92
	0631	6.06		0607	5.34		0651	5.60		0625	5.57
Th	1320	-5.37	F	1251	-4.78	Sa	1334	-4.80	Su	1311	-4.88
	1849	6.19		1828	5.48		1912	5.51		1852	5.59
									31	0134	-5.09
									M	0711	5.85
										1356	-5.02
										1938	5.78

WESTON-SUPER-MARE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January			February				
Time	m		Time	m			
1	0336 -3.80	16	0512 -4.38	1	0440 -3.78	16	0010 3.40
M	1023 3.84		1139 4.62	Th	1117 3.77	F	0801 -3.40
	1807 -3.75	Tu	1744 -4.15		1714 -3.67		1237 3.19
	2242 3.62				2339 3.52		1630 -3.07
2	0422 -3.54	17	0007 4.17	2	0535 -3.49	17	0114 2.80
Tu	1108 3.52		0607 -3.91	F	1213 3.41		0710 -2.87
	1659 -3.48	W	1233 4.13		1817 -3.38	Sa	1353 2.70
	2328 3.25		1839 -3.69				1958 -2.70
3	0517 -3.29	18	0107 3.59	3	0645 3.23	18	0240 2.72
W	1159 3.23		0709 -3.48	Sa	0848 -3.20		0854 -2.85
	1800 -3.27	Th	1338 3.63		1338 3.29	Su	1521 2.85
			1948 -3.34		1945 -3.21		2128 -3.01
4	0027 3.04	19	0218 3.33	4	0217 3.36	19	0401 3.30
	0625 -3.09		0622 -3.25		0832 -3.21	M	0858 -3.43
Th	1311 3.18	F	1448 3.47	Su	1503 3.71		1633 3.53
	1917 -3.17		2057 -3.27		2118 -3.58		2222 -3.68
5	0148 3.15	20	0327 3.50	5	0337 4.08	20	0459 4.13
F	0750 -3.07		0930 -3.40		0950 -3.79	Tu	1044 -4.04
	1430 3.55	Sa	1558 3.70	M	1815 4.49		1725 4.27
	2042 -3.40		2158 -3.55		2221 -4.21		2305 -4.21
6	0303 3.72	21	0429 3.99	6	0444 4.98	21	0545 4.82
Sa	0915 -3.47		1023 -3.79		1050 -4.43		1124 -4.48
	1538 4.25	Su	1656 4.14	Tu	1719 5.32	W	1607 4.82
	2149 -3.98		2248 -3.95		2317 -4.78		2343 -4.58
7	0407 4.58	22	0521 4.55	7	0544 5.78	22	0624 5.25
Su	1015 -4.08		1108 -4.17		1148 -4.97		1202 -4.72
	1638 5.03	M	1745 4.59	W	1817 6.02	Th	1843 5.15
	2242 -4.52		2325 -4.29				
8	0504 5.37	23	0605 5.00	8	0611 -5.25	23	0620 -4.74
M	1108 -4.62		1145 -4.44		0838 6.43		0859 5.48
	1734 5.88	Tu	1827 4.92	Th	1239 -5.42	F	1239 -4.85
	2332 -4.95				1908 6.52		1916 5.36
9	0558 6.00	24	0602 -4.50	9	0102 -5.82	24	0054 -4.84
Tu	1157 -5.01		0843 5.29		0727 6.84		0731 5.84
	1828 6.15	W	1221 -4.60	F	1329 -5.72	Sa	1313 -4.94
			1904 5.12		1955 6.80		1946 5.55
10	0021 -5.24	25	0038 -4.60	10	0150 -5.82	25	0128 -4.92
W	0649 6.44		0719 5.43		0813 7.04		0801 5.78
	1248 -5.27	Th	1256 -4.87	Sa	1418 -5.83	Su	1347 -5.02
	1918 6.44		1938 5.22		2040 6.83		2016 5.71
11	0110 -5.41	26	0111 -4.84	11	0234 -5.81	26	0200 -4.97
	0738 6.88		0752 5.48		0858 6.98		0834 5.82
Th	1337 -5.42	F	1330 -4.70	Su	1501 -5.88	M	1420 -5.02
	2007 6.55		2008 5.28		2122 6.58		2047 5.70
12	0159 -5.47	27	0143 -4.64	12	0317 -5.57	27	0232 -4.91
F	0826 6.73		0824 5.48		0940 6.58		0906 5.84
	1426 -5.43	Sa	1404 -4.70	M	1540 -5.31	Tu	1452 -4.67
	2054 6.46		2039 5.29		2204 5.99		2119 5.43
13	0247 -5.38	28	0218 -4.60	13	0358 -5.14	28	0302 -4.71
	0913 6.56		0855 5.39		1020 5.84		0938 5.22
Sa	1517 -5.29	Su	1437 -4.85	Tu	1618 -4.80		1523 -4.59
	2142 6.13		2111 5.18		2243 5.18		2151 4.94
14	0335 -5.15	29	0247 -4.50	14	0434 -4.59		
Su	1001 6.15		0928 5.13		1102 4.93		
	1603 -4.99	M	1512 -4.49	W	1655 -4.22		
	2229 5.58		2143 4.85		2324 4.24		
15	0423 -4.80	30	0321 -4.31	15	0514 -4.00		
M	1049 5.53		1002 4.71		1145 3.99		
	1852 -4.80	Tu	1548 -4.24	Th	1737 -3.64		
	2317 4.68		2217 4.40				
		31	0358 -4.05				
		W	1038 4.23				
			1627 -3.98				
			2254 3.93				

WESTON-SUPER-MARE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

May			June		
	Time	m		Time	m
1	0547	-3.69	16	0007	2.38
Tu	1240	3.27	W	0547	-2.94
	1835	-3.46		1247	2.15
				1818	-2.64
2	0115	3.49	17	0139	2.41
W	0734	-3.60	Th	0739	-2.88
	1406	3.48		1417	2.45
	2017	-3.64		2023	-2.78
3	0240	3.85	18	0254	3.01
Th	0859	-4.03	F	0905	-3.40
	1528	4.18		1523	3.19
	2131	-4.19		2129	-3.43
4	0355	4.74	19	0350	3.81
F	1005	-4.56	Sa	0953	-4.01
	1831	4.89		1614	4.02
	2233	-4.74		2213	-4.04
5	0454	5.46	20	0436	4.55
Sa	1101	-5.00	Su	1035	-4.50
	1725	5.82		1658	4.75
	2323	-5.16		2254	-4.51
6	0544	5.81	21	0519	5.15
Su	1148	-5.25	M	1116	-4.85
	1808	5.88		1739	5.34
				2335	-4.86
7	0005	-5.37	22	0600	5.58
M	0827	6.11	Tu	1155	-5.11
	1226	-5.31		1819	5.77
	1848	6.15			
8	0042	-5.40	23	0014	-5.10
Tu	0705	6.18	W	0640	5.87
	1301	-5.25		1235	-5.28
	1925	6.22		1859	6.04
9	0114	-5.34	24	0053	-5.24
W	0743	6.13	Th	0722	6.01
	1331	-5.13		1313	-5.32
	2001	6.12		1940	6.13
10	0143	-5.20	25	0132	-5.25
Th	0819	5.88	F	0804	5.85
	1358	-4.94		1353	-5.22
	2038	5.74		2020	6.00
11	0212	-4.98	26	0211	-5.12
F	0854	5.30	Sa	0847	5.88
	1424	-4.63		1431	-5.00
	2110	5.08		2105	5.88
12	0240	-4.60	27	0251	-4.68
Sa	0927	4.53	Su	0634	5.22
	1451	-4.25		1512	-4.70
	2142	4.27		2151	5.18
13	0310	-4.18	28	0339	-4.59
Su	0958	3.72	M	1025	4.65
	1521	-3.84		1802	-4.38
	2214	3.50		2245	4.62
14	0347	-3.78	29	0439	-4.29
M	1035	3.00	Tu	1123	4.13
	1801	-3.42		1709	-4.07
	2258	2.83		2350	4.19
15	0436	-3.33	30	0556	-4.05
Tu	1127	2.42	W	1231	3.82
	1657	-2.99		1832	-3.87
			31	0102	4.04
			Th	0719	-4.00
				1345	3.84
				1954	-3.94
			1	0217	4.21
			F	0832	-4.17
				1458	4.17
				2102	-4.18
			2	0328	4.60
			Sa	0935	-4.37
				1602	4.65
				2204	-4.44
			3	0428	4.99
			Su	1032	-4.57
				1658	5.08
				2255	-4.67
			4	0518	5.25
			M	1119	-4.70
				1742	5.34
				2337	-4.81
			5	0802	5.38
			Tu	1158	-4.75
				1824	5.51
			6	0015	-4.85
			W	0643	5.45
				1233	-4.75
				1902	5.63
			7	0048	-4.85
			Th	0721	5.47
				1305	-4.73
				1940	5.62
			8	0120	-4.82
			F	0758	5.34
				1334	-4.66
				2018	5.42
			9	0151	-4.70
			Sa	0635	5.02
				1402	-4.46
				2050	5.00
			10	0220	-4.49
			Su	0909	4.53
				1432	-4.23
				2124	4.48
			11	0252	-4.22
			M	0941	4.00
				1502	-3.66
				2158	3.91
			12	0330	-3.95
			Tu	1017	3.50
				1543	-3.69
				2238	3.41
			13	0415	-3.68
			W	1059	3.08
				1832	-3.40
				2328	3.01
			14	0514	-3.41
			Th	1154	2.75
				1735	-3.14
			15	0031	-2.80
			F	0625	-3.21
				1302	2.68
				1852	-2.99
			16	0145	2.85
			Sa	0748	-3.24
				1417	3.00
				2020	-3.15
			17	0252	3.48
			Su	0903	-3.62
				1520	3.65
				2129	-3.65
			18	0350	4.15
			M	0957	-4.14
				1615	4.42
				2219	-4.19
			19	0442	4.82
			Tu	1043	-4.60
				1705	5.12
				2305	-4.64
			20	0531	5.37
			W	1128	-4.85
				1753	5.65
				2350	-4.95
			21	0620	5.74
			Th	1213	-5.16
				1840	5.99
			22	0035	-5.14
			F	0707	5.95
				1258	-5.28
				1928	6.17
			23	0121	-5.22
			Sa	0754	6.02
				1343	-5.25
				2012	6.18
			24	0209	-5.20
			Su	0842	5.83
				1430	-5.14
				2059	6.05
			25	0258	-5.09
			M	0930	5.87
				1520	-4.85
				2149	5.73
			26	0350	-4.90
			Tu	1021	5.28
				1611	-4.73
				2242	5.31
			27	0445	-4.68
			W	1115	4.78
				1710	-4.47
				2337	4.64
			28	0547	-4.43
			Th	1212	4.33
				1815	-4.22
			29	0038	4.45
			F	0653	-4.19
				1315	4.02
				1922	-4.01
			30	0144	4.20
			Sa	0757	-4.01
				1423	3.93
				2028	-3.90

WESTON-SUPER-MARE**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

July			August		
	Time	m		Time	m
1	0252	4.18	1	0431	3.83
Su	0900	-3.94	W	1028	-3.75
	1527	4.07		1659	4.26
	2130	-3.94		2250	-4.02
2	0355	4.28	2	0527	4.29
M	1000	-4.00	Th	1112	-4.11
	1627	4.38		1748	4.78
	2226	-4.12		2332	-4.32
3	0452	4.49	3	0813	4.69
Tu	1050	-4.18	F	1151	-4.36
	1719	4.71		1832	5.13
	2312	-4.31			
4	0542	4.70	4	0010	-4.50
W	1132	-4.32	Sa	0853	4.94
	1804	4.99		1229	-4.48
	2351	-4.45		1909	5.32
5	0626	4.88	5	0048	-4.58
Th	1210	-4.43	Su	0729	5.08
	1845	5.20		1304	-4.52
				1943	5.39
6	0029	-4.53	6	0122	-4.63
F	0707	5.01	M	0801	5.15
	1245	-4.48		1337	-4.54
	1924	5.31		2015	5.39
7	0103	-4.57	7	0156	-4.66
Sa	0745	5.04	Tu	0832	5.17
	1319	-4.48		1408	-4.53
	2001	5.27		2046	5.33
8	0137	-4.58	8	0229	-4.64
Su	0819	4.95	W	0900	5.10
	1350	-4.42		1439	-4.47
	2035	5.11		2118	5.12
9	0209	-4.49	9	0301	-4.54
M	0852	4.78	Th	0931	4.85
	1422	-4.31		1510	-4.32
	2108	4.86		2149	4.73
10	0243	-4.38	10	0334	-4.31
Tu	0924	4.52	F	1004	4.41
	1452	-4.18		1544	-4.07
	2140	4.53		2221	4.22
11	0317	-4.24	11	0410	-4.01
W	0956	4.20	Sa	1036	3.91
	1529	-4.01		1622	-3.77
	2215	4.12		2257	3.71
12	0357	-4.04	12	0451	-3.70
Th	1033	3.80	Su	1115	3.48
	1610	-3.79		1708	-3.48
	2254	3.70		2342	3.29
13	0443	-3.78	13	0542	-3.40
F	1113	3.41	M	1210	3.12
	1659	-3.54		1808	-3.17
	2339	3.32			
14	0535	-3.53	14	0053	3.01
Sa	1201	3.11	Tu	0656	-3.12
	1758	-3.30		1335	3.04
				1943	-2.98
15	0637	3.11	15	0227	3.21
Su	0639	-3.33	W	0844	-3.25
	1308	3.02		1504	3.59
	1907	-3.13		2123	-3.48
16	0153	3.20	16	0344	3.94
M	0800	-3.30	Th	0954	-3.92
	1428	3.32		1616	4.52
	2039	-3.27		2224	-4.17
17	0307	3.89	17	0452	4.84
Tu	0920	-3.70	F	1050	-4.53
	1537	4.02		1718	5.44
	2149	-3.82		2320	-4.74
18	0410	4.40	18	0551	5.84
W	1018	-4.27	Sa	1146	-5.01
	1637	4.82		1814	6.17
	2241	-4.39			
19	0508	5.08	19	0015	-5.22
Th	1108	-4.73	Su	0644	6.24
	1733	5.51		1239	-5.41
	2332	-4.80		1904	6.67
20	0603	5.63	20	0107	-5.60
F	1156	-5.04	M	0733	6.81
	1826	6.02		1328	-5.70
				1951	6.86
21	0023	-5.10	21	0155	-5.61
Sa	0655	6.01	Tu	0818	6.77
	1248	-5.26		1414	-5.61
	1916	6.36		2035	7.01
22	0115	-5.33	22	0241	-5.60
Su	0746	6.26	W	0900	6.67
	1337	-5.41		1458	-5.68
	2004	6.55		2118	6.78
23	0206	-5.48	23	0325	-5.52
M	0834	6.35	Th	0943	6.23
	1427	-5.47		1539	-5.32
	2051	6.57		2201	6.16
24	0257	-5.49	24	0402	-5.03
Tu	0921	6.23	F	1023	5.49
	1517	-5.38		1617	-4.78
	2139	6.36		2242	5.28
25	0345	-5.32	25	0439	-4.43
W	1007	5.86	Sa	1105	4.57
	1603	-5.13		1656	-4.17
	2226	5.89		2326	4.30
26	0432	-4.99	26	0518	-3.82
Th	1054	5.27	Su	1151	3.87
	1651	-4.75		1741	-3.54
	2314	5.23			
27	0519	-4.58	27	0016	3.39
F	1142	4.57	M	0607	-3.21
	1741	-4.30		1250	2.96
				1843	-2.96
28	0004	4.50	28	0125	2.76
Sa	0611	-4.08	Tu	0723	-2.73
	1235	3.91		1413	2.72
	1836	-3.81		2024	-2.74
29	0103	3.80	29	0255	2.73
Su	0709	-3.61	W	0906	-2.84
	1339	3.46		1539	3.19
	1943	-3.42		2142	-3.25
30	0211	3.48	30	0413	3.35
M	0820	-3.33	Th	1008	-3.38
	1451	3.39		1642	4.04
	2059	-3.34		2232	-3.91
31	0324	3.48	31	0510	4.16
Tu	0930	-3.41	F	1054	-4.08
	1601	3.73		1731	4.81
	2201	-3.83		2313	-4.40

WESTON-SUPER-MARE

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November				December							
	Time	m		Time	m		Time	m		Time	m
1	0008	-4.98	16	0043	-5.23	1	0015	-5.02	16	0053	-4.73
Th	0635	5.86		0708	6.41	Sa	0641	5.88		0725	5.87
	1223	-4.90	F	1259	-5.28		1233	-4.95	Su	1310	-4.77
	1852	5.83		1924	6.40		1904	5.86		1946	5.84
2	0042	-5.05	17	0116	-5.10	2	0053	-5.08	17	0126	-4.82
F	0707	5.87		0743	6.34		0720	6.00		0804	5.72
	1257	-4.97	Sa	1331	-5.12	Su	1310	-4.98	M	1343	-4.83
	1928	5.92		2002	6.18		1943	5.87		2026	5.36
3	0115	-5.08	18	0146	-4.87	3	0130	-5.00	18	0157	-4.42
	0740	5.94		0821	6.02		0800	5.97		0842	5.35
Sa	1330	-4.94	Su	1402	-4.83	M	1350	-4.85	Tu	1418	-4.38
	2001	5.84		2041	5.83		2028	5.70		2102	4.68
4	0147	-4.94	19	0218	-4.52	4	0208	-4.81	19	0229	-4.12
	0815	5.79		0859	5.38		0841	5.74		0918	4.80
Su	1401	-4.76	M	1433	-4.42	Tu	1429	-4.84	W	1449	-4.07
	2036	5.52		2118	4.83		2109	5.35		2137	4.30
5	0219	-4.68	20	0244	-4.08	5	0247	-4.54	20	0258	-3.80
	0850	5.41		0936	4.53		0925	5.35		0952	4.19
M	1433	-4.48	Tu	1505	-3.93	W	1512	-4.38	Th	1523	-3.78
	2114	5.00		2154	3.94		2158	4.86		2210	3.73
6	0250	-4.35	21	0315	-3.58	6	0332	-4.25	21	0332	-3.51
	0928	4.86		1011	3.67		1016	4.85		1030	3.63
Tu	1507	-4.16	W	1540	-3.45	Th	1606	-4.11	F	1603	-3.48
	2155	4.35		2231	3.12		2251	4.33		2247	3.23
7	0329	-4.00	22	0352	-3.13	7	0432	-3.95	22	0415	-3.23
	1014	4.23		1055	2.93		1115	4.39		1114	3.15
W	1558	-3.81	Th	1628	-3.00	F	1715	-3.86	Sa	1655	-3.19
	2247	3.89		2320	2.48		2354	3.92		2334	2.80
8	0423	-3.81	23	0443	-2.70	8	0549	-3.71	23	0512	-2.83
	1114	3.85		1159	2.42		1223	4.11		1210	2.79
Th	1705	-3.42	F	1733	-2.82	Sa	1838	-3.73	Su	1759	-2.82
	2359	3.21									
9	0547	-3.24	24	0634	2.12	9	0105	3.77	24	0036	2.54
	1234	3.39		0600	-2.34		0712	-3.68		0819	-2.88
F	1848	-3.23	Sa	1324	2.37	Su	1338	4.14	M	1320	2.70
				1922	-2.49		1955	-3.82		1917	-2.80
10	0127	3.24	25	0202	2.30	10	0220	3.96	25	0150	2.82
	0735	-3.25		0809	-2.38		0827	-3.83		0747	-2.84
Sa	1404	3.75	Su	1441	2.86	M	1450	4.48	Tu	1432	3.01
	2025	-3.59		2054	-2.68		2103	-4.03		2044	-3.04
11	0250	3.87	26	0311	2.84	11	0328	4.42	26	0300	3.11
	0858	-3.78		0920	-3.01		0932	-4.11		0912	-3.05
Su	1521	4.55	M	1539	3.59	Tu	1555	4.80	W	1532	3.62
	2134	-4.19		2142	-3.60		2204	-4.27		2142	-3.59
12	0400	4.78	27	0403	3.73	12	0427	4.93	27	0357	3.87
	1003	-4.40		1003	-3.84		1030	-4.41		1005	-3.88
M	1825	5.41	Tu	1825	4.32	W	1851	5.28	Th	1825	4.33
	2234	-4.71		2223	-4.13		2257	-4.52		2227	-4.17
13	0458	5.54	28	0448	4.47	13	0519	5.35	28	0447	4.85
	1057	-4.91		1041	-4.18		1117	-4.66		1048	-4.25
Tu	1717	6.02	W	1707	4.82	Th	1741	5.53	F	1713	4.08
	2323	-5.08		2301	-4.54		2340	-4.68		2310	-4.63
14	0544	6.05	29	0525	5.08	14	0604	5.83	29	0534	5.31
	1142	-5.22		1118	-4.55		1158	-4.80		1130	-4.85
W	1803	6.33	Th	1745	5.38	F	1825	5.87	Sa	1801	5.48
				2337	-4.84					2352	-4.93
15	0005	-5.24	30	0602	5.54	15	0018	-4.75	30	0621	5.79
	0627	6.31		1156	-4.80		0646	5.81		1214	-4.90
Th	1222	-5.32	F	1824	5.89	Sa	1236	-4.83	Su	1847	5.80
	1844	6.44					1807	5.72			
									31	0036	-5.08
										0708	6.08
										1259	-5.01
										1933	5.99

CLEVEDON

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February				
	Time	m		Time	m		Time	m
1	0427	-3.59	16	0544	-4.36	1	0518	-3.57
	1033	4.24		1149	5.12		1127	-4.07
M	1852	-3.52	Tu	1810	-4.07	Th	1746	-3.41
	2252	3.82					2349	3.82
2	0504	-3.24	17	0017	4.47	2	0602	-3.17
	1116	3.82		0630	-3.74		1223	3.71
Tu	1733	-3.16	W	1243	4.43	F	1838	-3.02
	2338	3.55		1857	-3.45			
3	0548	-2.90	18	0117	3.89	3	0055	3.53
	1209	3.53		0725	-3.15		0708	-2.78
W	1823	-2.88	Th	1346	3.93	Sa	1346	3.59
				2001	-2.98		2000	-2.78
4	0037	3.34	19	0228	3.83	4	0227	3.88
	0845	-2.62		0839	-2.83		0849	-2.78
Th	1321	3.49	F	1458	3.77	Su	1513	4.01
	1932	-2.73		2118	-2.87		2142	-3.29
5	0156	3.45	20	0337	3.80	5	0347	4.38
	0805	-2.59		0857	-3.04		1021	-3.58
F	1440	3.85	Sa	1608	4.00	M	1625	4.79
	2101	-3.04		2231	-3.25		2258	-4.18
6	0313	4.02	21	0439	4.29	6	0454	5.28
	0938	-3.14		1101	-3.58		1134	-4.45
Sa	1548	4.55	Su	1706	4.44	Tu	1729	5.62
	2219	-3.81		2329	-3.80			
7	0417	4.88	22	0531	4.85	7	0008	-4.92
	1051	-3.98		1154	-4.10		0554	8.09
Su	1848	5.33	M	1755	4.89	W	1243	-5.19
	2324	-4.57					1827	6.32
8	0514	5.67	23	0018	-4.28	8	0111	-5.57
	1154	-4.71		0615	5.30		0648	6.73
M	1744	5.98	Tu	1241	-4.47	Th	1342	-5.80
				1837	5.22		1918	6.82
9	0025	-5.18	24	0101	-4.54	9	0208	-6.07
	0808	6.30		0653	5.59		0737	7.14
Tu	1255	-5.24	W	1322	-4.88	F	1434	-6.21
	1838	6.45		1914	5.42		2005	7.10
10	0123	-5.58	25	0140	-4.69	10	0254	-6.34
	0659	8.74		0729	5.73		0823	7.34
W	1351	-5.60	Th	1400	-4.78	Sa	1516	-6.35
	1928	8.74		1948	5.52		2050	7.13
11	0215	-5.79	26	0218	-4.73	11	0335	-6.33
	0748	8.98		0802	5.78		0908	7.28
Th	1442	-5.80	F	1435	-4.82	Su	1558	-6.18
	2017	8.85		2018	5.58		2132	6.88
12	0303	-5.86	27	0248	-4.73	12	0411	-6.00
	0836	7.03		0834	5.78		0950	8.88
F	1528	-5.82	Sa	1507	-4.82	M	1630	-5.88
	2104	8.78		2049	5.59		2214	8.28
13	0348	-5.74	28	0316	-4.69	13	0443	-5.41
	0923	8.86		0900	5.69		1030	6.14
Sa	1811	-5.62	Su	1537	-4.74	Tu	1700	-4.95
	2152	8.43		2121	5.48		2253	5.48
14	0428	-5.43	29	0346	-4.55	14	0513	-4.67
	1011	8.45		0938	5.43		1112	5.23
Su	1849	-5.22	M	1607	-4.53	W	1730	-4.17
	2239	5.68		2153	5.15		2334	4.54
15	0505	-4.95	30	0414	-4.28	15	0549	-3.86
	1059	5.83		1012	5.01		1155	4.29
M	1728	-4.88	Tu	1638	-4.19	Th	1805	-3.37
	2327	5.18		2227	4.70			
			31	0445	-3.93			
				1046	4.53			
			W	1708	-3.80			
				2304	4.23			

CLEVEDON

Year : 2001

Computed and formatted by POLTIPS for Windows; Proudman Oceanographic Laboratory Prediction Software

Year : 2001

Computed and formatted by POLTIPS for Windows: Proudman Oceanographic Laboratory Prediction Software

MINEHEAD**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September			October		
	Time	m		Time	m
1	0545	4.13	1	0557	5.63
	1154	-3.40		1203	-4.84
Sa	1806	4.54	M	1815	4.90
2	0015	-3.67	2	0021	-4.08
	0625	4.48		0632	4.64
Su	1233	-3.78	Tu	1238	-4.13
	1845	4.85		1849	5.12
3	0052	-3.98	3	0054	-4.30
	0701	4.72		0703	5.01
M	1309	-4.00	W	1309	-4.28
	1919	5.02		1920	5.21
4	0125	-4.12	4	0124	-4.38
	0733	4.84		0732	5.09
Tu	1339	-4.12	Th	1337	-4.29
	1949	5.07		1948	5.21
5	0154	-4.19	5	0151	-4.37
	0800	4.87		0758	5.10
W	1405	-4.14	F	1401	-4.28
	2015	5.05		2014	5.14
6	0219	-4.18	6	0215	-4.30
	0826	4.88		0825	5.05
Th	1428	-4.11	Sa	1425	-4.18
	2040	4.99		2040	4.99
7	0243	-4.13	7	0239	-4.15
	0850	4.81		0853	4.91
F	1451	-4.03	Su	1450	-4.03
	2105	4.87		2110	4.71
8	0307	-4.00	8	0307	-3.87
	0918	4.89		0825	4.62
Sa	1517	-3.88	M	1521	-3.72
	2134	4.64		2145	4.25
9	0338	-3.77	9	0342	-3.41
	0950	4.44		1006	4.13
Su	1548	-3.60	Tu	1603	-3.20
	2210	4.25		2233	3.61
10	0413	-3.37	10	0431	-2.77
	1032	4.02		1101	3.49
M	1632	-3.15	W	1703	-2.54
	2300	3.70		2344	2.96
11	0505	-2.83	11	0548	-2.14
	1129	3.50		1224	3.00
Tu	1735	-2.82	Th	1841	-2.10
12	0009	3.16	12	0121	2.75
	0621	-2.35		0739	-2.04
W	1248	3.12	F	1403	3.11
	1906	-2.30		2034	2.38
13	0140	2.98	13	0256	3.24
	0757	-2.29		0915	-2.66
Th	1420	3.23	Sa	1528	3.85
	2045	-2.54		2157	-3.16
14	0311	3.38	14	0408	4.12
	0928	-2.77		1042	-3.55
F	1544	3.86	Su	1634	4.78
	2209	-3.21		2257	-4.03
15	0425	4.15	15	0508	4.97
	1040	-3.53		1119	-4.36
Sa	1651	4.70	M	1728	5.59
	2314	-3.98		2348	-4.70
16	0525	4.84	16	0557	5.63
	1139	-4.29		1208	-4.94
Su	1748	5.50	Tu	1818	6.14
17	0009	-4.84	17	0038	-5.10
	0817	5.59		0642	8.02
M	1230	-4.88	W	1253	-5.23
	1839	6.10		1903	6.36
18	0057	-5.08	18	0118	-5.21
	0704	6.00		0728	6.12
Tu	1315	-5.24	Th	1334	-5.24
	1924	6.41		1945	6.28
19	0140	-5.24	19	0158	-5.04
	0748	6.12		0806	5.94
W	1357	-5.30	F	1412	-4.99
	2007	6.40		2024	5.88
20	0220	-5.11	20	0230	-4.64
	0829	5.94		0844	5.50
Th	1434	-5.07	Sa	1445	-4.52
	2047	6.05		2100	5.21
21	0255	-4.72	21	0300	-4.07
	0907	5.49		0820	4.87
F	1508	-4.59	Su	1517	-3.90
	2124	5.40		2135	4.42
22	0327	-4.12	22	0330	-3.41
	0945	4.81		0854	4.12
Sa	1541	-3.92	M	1551	-3.20
	2201	4.58		2211	3.57
23	0358	-3.39	23	0403	-2.71
	1023	4.02		1033	3.35
Su	1817	-3.18	Tu	1631	-2.49
	2242	3.64		2255	2.77
24	0435	-2.63	24	0448	-2.03
	1107	3.20		1127	2.65
M	1701	-2.38	W	1729	-1.86
	2333	2.77			
25	0526	-1.90	25	0001	2.17
	1211	2.53		0600	-1.51
Tu	1808	-1.75	Th	1249	2.28
				1854	-1.56
26	0050	2.19	26	0136	2.05
	0647	-1.43		0737	-1.47
W	1340	2.30	F	1421	2.45
	1944	-1.58		2028	-1.82
27	0225	2.21	27	0258	2.51
	0832	-1.53		0902	-1.96
Th	1508	2.65	Sa	1529	3.06
	2115	-1.94		2133	-2.44
28	0339	2.75	28	0358	3.20
	0949	-2.11		1000	-2.85
F	1608	3.30	Su	1620	3.75
	2218	-2.59		2224	-3.10
29	0433	3.44	29	0441	3.87
	1042	-2.80		1045	-3.28
Sa	1657	3.87	M	1702	4.34
	2304	-3.22		2308	-3.67
30	0518	4.06	30	0521	4.41
	1125	-3.41		1128	-3.75
Su	1738	4.52	Tu	1740	4.77
	2345	-3.73		2345	-4.07
			31	0557	4.79
				1203	-4.06
			W	1815	5.03

AVONMOUTH

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February				
	Time	m		Time	m		Time	m
1	0448	-3.72	16	0601	-4.45	1	0537	-3.70
M	1048	4.51	Tu	1200	5.44	Th	1139	4.34
	1712	-3.85		1828	-4.17		1803	-3.55
	2308	4.17						
2	0523	-3.39	17	0628	4.75	2	0000	4.08
Tu	1129	4.07	W	0645	-3.86	F	0619	-3.32
	1751	-3.32		1253	4.72		1233	3.95
	2350	3.78		1912	-3.58		1853	-3.18
3	0605	-3.07	18	0129	4.14	3	0105	3.75
W	1220	3.78	Th	0739	-3.30	Sa	0720	-2.98
	1839	-3.04		1355	4.18		1355	3.82
				2015	-3.13		2014	-2.98
4	0647	3.55	19	0235	3.87	4	0236	3.89
Th	0700	-2.81	F	0853	-3.01	Su	0904	-2.98
	1330	3.70		1508	4.01		1523	4.27
	1948	-2.91		2133	-3.05		2158	-3.43
5	0205	3.87	20	0348	4.04	5	0358	4.84
F	0819	-2.79	Sa	1013	-3.21	M	1038	-3.71
	1449	4.09		1620	4.25		1638	5.10
	2118	-3.21		2248	-3.40		2317	-4.25
6	0323	4.28	21	0453	4.58	6	0508	5.80
Sa	0954	-3.30	Su	1120	-3.70	Tu	1154	-4.52
	1559	4.84		1721	4.73		1745	5.98
	2236	-3.92		2349	-3.91			
7	0430	5.17	22	0547	5.18	7	0029	-4.98
Su	1109	-4.08	M	1215	-4.19	W	0611	6.48
	1702	5.87		1812	5.20		1305	-5.21
	2344	-4.63					1845	6.72
8	0529	6.03	23	0639	-4.34	8	0134	-5.57
M	1215	-4.78	Tu	0633	5.84	Th	0706	7.18
	1800	6.38		1303	-4.54		1406	-5.78
				1855	5.55		1937	7.25
9	0647	-5.18	24	0124	-4.81	9	0230	-6.03
Tu	0825	6.70	W	0712	5.85	F	0756	7.60
	1318	-5.25		1345	-4.73		1458	-6.17
	1858	6.86		1933	5.76		2024	7.55
10	0148	-5.55	25	0204	-4.74	10	0318	-6.29
W	0718	7.18	Th	0748	8.09	Sa	0842	7.80
	1415	-5.59		1424	-4.83		1542	-6.30
	1947	7.17		2007	5.87		2106	7.59
11	0239	-5.77	26	0240	-4.78	11	0358	-6.28
Th	0807	7.42	F	0821	8.15	Th	0824	7.72
	1508	-5.78		1459	-4.87	Su	1820	-6.11
	2038	7.29		2037	5.93		2149	7.31
12	0327	-5.84	27	0312	-4.78	12	0433	-5.97
F	0854	7.48	Sa	0852	6.15	M	1008	7.30
	1551	-5.80		1531	-4.87		1851	-5.65
	2122	7.19		2107	5.94		2229	8.89
13	0409	-5.72	28	0342	-4.74	13	0503	-5.42
Sa	0940	7.30	Su	0923	8.05	Tu	1045	6.53
	1633	-5.61		1600	-4.79		1720	-4.99
	2208	6.84		2138	5.81		2307	5.81
14	0447	-5.43	29	0409	-4.61	14	0532	-4.72
Su	1028	6.88	M	0955	5.78	W	1125	5.56
	1709	-5.24		1629	-4.59		1748	-4.25
	2253	6.25		2209	5.48		2346	4.83
15	0524	-4.99	30	0436	-4.36	15	0603	-3.97
M	1112	6.21	Tu	1027	5.33	Th	1206	4.57
	1748	-4.74		1657	-4.28		1821	-3.51
	2339	5.51		2242	5.00			
			31	0505	-4.04			
			W	1100	4.82			
				1727	-3.92			
				2317	4.50			

AVONMOUTH

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

March				April				
	Time	m		Time	m		Time	m
1	0445	-4.52	16	0523	-4.08	1	0533	-3.95
Th	1036	5.27	F	1124	4.40	Su	1142	4.06
	1703	-4.32		1735	-3.57		1757	-3.58
	2249	4.98		2341	3.86			
2	0513	-4.14	17	0552	-3.32	2	0609	3.92
F	1110	4.87	Sa	1204	3.42	M	0827	-3.35
	1733	-3.92		1809	-2.83		1302	3.53
	2327	4.41					1909	-3.00
3	0550	-3.71	18	0634	3.03	3	0142	3.86
Sa	1157	4.08	Su	0636	-2.55	Tu	0807	-3.02
	1817	-3.43		1314	2.69		1439	3.72
				1806	-2.08		2108	-3.16
4	0624	3.86	19	0209	-2.87	4	0318	4.24
Su	0843	-3.19	M	0830	-2.07	W	0957	-3.70
	1315	3.62		1501	2.70		1807	4.62
	1828	-2.93		2133	-2.15		2239	-4.06
5	0200	3.85	20	0348	3.27	5	0438	5.30
M	0824	-2.87		1015	-2.91		1124	-4.62
	1456	3.83		1827	3.56		1718	5.73
	2128	-3.13		2248	-3.19			
6	0334	4.27	21	0454	4.32	6	0000	-4.99
Tu	1015	-3.55	W	1115	-3.81	F	0542	6.33
	1621	4.70		1722	4.57		1236	-5.45
	2257	-4.02		2343	-4.11		1815	6.62
7	0453	5.33	22	0543	5.23	7	0103	-5.78
W	1140	-4.48	Th	1208	-4.62	Sa	0835	7.03
	1733	5.77		1806	5.34		1333	-6.00
							1802	7.15
8	0016	-4.92	23	0033	-4.70	8	0154	-6.21
Th	0559	6.38	F	0624	5.82		0720	7.40
	1254	-5.34		1255	-5.03	Su	1420	-6.23
	1833	6.70		1844	5.82		1943	7.41
9	0122	-5.71	24	0117	-5.03	9	0237	-6.35
F	0654	7.16	Sa	0700	6.17	M	0800	7.54
	1354	-6.02		1339	-5.25		1458	-6.18
	1922	7.31		1918	6.15		2021	7.47
10	0216	-6.28	25	0158	-5.24	10	0312	-6.24
Sa	0741	7.64		0733	6.41		0836	7.48
	1442	-6.41		1418	-5.42	Tu	1530	-5.92
	2006	7.64		1948	6.43		2058	7.27
11	0300	-6.54	26	0235	-5.41	11	0341	-5.84
Su	0823	7.86		0805	6.83		0912	7.07
	1524	-6.47		1454	-5.55	W	1554	-5.50
	2048	7.71		2020	6.88		2130	6.73
12	0339	-6.49	27	0308	-5.51	12	0408	-5.48
M	0903	7.79		0837	6.73		0947	6.31
	1558	-6.21		1527	-5.57	Th	1616	-4.84
	2124	7.48		2051	6.70		2203	5.85
13	0409	-6.14	28	0338	-5.48	13	0428	-4.84
Tu	0940	7.35		0909	6.59		1019	5.30
	1825	-5.70		1554	-5.38	F	1637	-4.31
	2200	6.84		2124	6.44		2233	4.84
14	0435	-5.55	29	0404	-5.20	14	0451	-4.17
W	1016	6.54		0942	6.05		1049	4.26
	1648	-5.02		1618	-5.01	Sa	1700	-3.67
	2233	5.90		2155	5.82		2303	3.87
15	0459	-4.84	30	0427	-4.83	15	0518	-3.49
Th	1050	5.48		1015	5.51		1124	3.33
	1711	-4.29		1842	-4.60	Su	1731	-3.00
	2308	4.85		2229	5.27		2349	3.03
			31	0455	-4.44			
			Sa	1053	4.79			
				1713	-4.15			
				2309	4.58			

AVONMOUTH

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

May			June		
Time	m		Time	m	
1	0010 4.17		16	0028 2.84	
Tu	0629 -3.57		W	0629 -2.83	
	1300 3.80			1307 2.81	
	1908 -3.29			1854 -2.24	
2	0134 4.03		17	0158 2.89	
W	0803 -3.48		Th	0808 -2.53	
	1425 4.00			1436 2.93	
	2048 -3.51			2054 -2.42	
3	0300 4.52		18	0314 3.53	
Th	0935 -4.01		F	0942 -3.21	
	1547 4.74			1544 3.72	
	2214 -4.21			2211 -3.25	
4	0417 5.36		19	0412 4.37	
F	1057 -4.88		Sa	1041 -3.99	
	1655 5.83			1637 4.58	
	2333 -4.92			2307 -4.03	
5	0519 6.13		20	0500 5.16	
Sa	1209 -5.24		Su	1135 -4.81	
	1751 6.30			1723 5.37	
6	0038 -5.45		21	0000 -4.83	
Su	0611 6.60		M	0545 5.79	
	1305 -5.57			1227 -5.06	
	1836 6.88			1806 6.00	
7	0127 -5.71		22	0051 -5.07	
M	0655 6.82		Tu	0827 6.26	
	1351 -5.84			1315 -5.39	
	1917 6.86			1847 6.45	
8	0209 -5.78		23	0137 -5.38	
Tu	0734 6.89		W	0709 6.57	
	1429 -5.57			1401 -5.60	
	1954 6.93			1928 6.74	
9	0243 -5.88		24	0221 -5.58	
W	0812 6.84		Th	0751 6.71	
	1500 -5.41			1442 -5.66	
	2030 6.83			2009 6.83	
10	0312 -5.50		25	0301 -5.56	
Th	0848 6.86		F	0833 6.65	
	1526 -5.17			1521 -5.53	
	2104 6.42			2049 6.70	
11	0339 -5.19		26	0338 -5.39	
F	0822 5.98		Sa	0915 6.38	
	1549 -4.78			1555 -5.24	
	2137 5.72			2132 6.34	
12	0403 -4.73		27	0412 -5.09	
Sa	0954 5.14		Su	1000 5.87	
	1612 -4.29			1829 -4.87	
	2208 4.86			2217 5.81	
13	0427 -4.20		28	0450 -4.73	
Su	1024 4.28		M	1049 5.28	
	1636 -3.77			1708 -4.45	
	2239 4.04			2308 5.23	
14	0456 -3.86		29	0536 -4.34	
M	1059 3.52		Tu	1145 4.71	
	1707 -3.24			1759 -4.06	
	2321 3.33				
15	0534 -3.12		30	0011 4.78	
Tu	1149 2.90		W	0636 -4.03	
	1750 -2.69			1251 4.38	
				1906 -3.81	
			31	0121 4.62	
			Th	0748 -3.97	
				1404 4.40	
				2023 -3.89	

AVONMOUTH

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

July			August		
Time	m		Time	m	
1	0312	4.74	1	0455	4.39
Su	0936	-3.89	W	1124	-3.86
	1548	4.65		1724	4.85
	2213	-3.90		2355	-3.99
2	0417	4.87	2	0553	4.88
M	1050	-3.97	Th	1222	-4.12
	1651	4.97		1815	5.40
	2324	-4.12			
3	0517	5.09	3	0648	-4.38
Tu	1155	-4.18	F	1311	-4.43
	1745	5.33		1900	5.78
4	0622	-4.38	4	0133	-4.61
W	0809	5.32		0722	5.58
	1248	-4.38	Sa	1354	-4.58
	1832	5.83		1936	5.97
5	0111	-4.54	5	0215	-4.72
Th	0654	5.51	Su	0758	5.72
	1333	-4.52		1432	-4.64
	1914	5.85		2012	6.05
6	0154	-4.85	6	0251	-4.78
F	0738	5.84	M	0830	5.79
	1412	-4.59		1508	-4.68
	1953	5.96		2044	6.05
7	0231	-4.70	7	0324	-4.81
Sa	0814	5.68	Tu	0900	5.82
	1448	-4.59		1535	-4.65
	2030	5.93		2114	5.99
8	0308	-4.88	8	0353	-4.79
Su	0848	5.59	W	0928	5.74
	1518	-4.51		1602	-4.58
	2103	5.76		2145	5.77
9	0336	-4.60	9	0420	-4.66
M	0920	5.40	Th	0958	5.47
	1547	-4.37		1627	-4.38
	2135	5.49		2215	5.35
10	0405	-4.48	10	0446	-4.37
Tu	0951	5.13	F	1029	5.01
	1613	-4.20		1654	-4.06
	2206	5.13		2246	4.80
11	0433	-4.28	11	0514	-3.99
W	1022	4.78	Sa	1100	4.48
	1642	-3.99		1723	-3.68
	2240	4.71		2320	4.27
12	0504	-4.02	12	0545	-3.59
Th	1057	4.37	Su	1137	4.01
	1714	-3.71		1758	-3.31
	2317	4.25			
13	0539	-3.71	13	0603	-3.82
F	1135	3.95	M	0625	-3.20
	1751	-3.39		1230	3.64
				1846	-2.92
14	0600	3.86	14	0112	3.52
Sa	0619	-3.38		0727	-2.85
	1222	3.63	Tu	1354	3.55
	1836	-3.08		2012	-2.67
15	0657	3.63	15	0248	3.73
Su	0712	-3.12	W	0918	-3.02
	1327	3.53		1524	-4.14
	1937	-2.87		2204	-3.28
16	0212	3.72	16	0408	4.51
M	0830	-3.09	Th	1043	-3.87
	1447	3.88		1639	5.13
	2112	-3.04		2321	-4.19
17	0327	4.25	17	0517	5.47
Tu	1000	-3.60	F	1155	-4.85
	1558	4.60		1744	6.10
	2236	-3.75			
18	0433	5.00	18	0033	-4.82
W	1111	-4.32	Sa	0618	6.32
	1701	5.44		1304	-5.26
	2343	-4.47		1842	6.88
19	0533	5.72	19	0139	-5.52
Th	1215	-4.90	Su	0713	6.85
	1759	6.18		1405	-5.77
				1933	7.41
20	0648	-4.99	20	0235	-6.00
F	0631	6.30		0802	7.35
	1317	-5.29	M	1457	-6.14
	1854	6.72		2020	7.72
21	0148	-5.37	21	0323	-6.28
Sa	0724	6.71	Tu	0847	7.52
	1415	-5.57		1540	-6.28
	1945	7.08		2103	7.78
22	0244	-5.67	22	0404	-6.26
Su	0815	6.98	W	0928	7.41
	1508	-5.77		1618	-6.12
	2033	7.29		2145	7.51
23	0333	-5.86	23	0439	-5.91
M	0902	7.07	Th	1009	6.95
	1552	-5.84		1650	-5.65
	2119	7.31		2226	6.87
24	0417	-5.87	24	0508	-5.28
Tu	0948	6.95	F	1048	6.16
	1633	-5.73		1719	-4.97
	2205	7.08		2306	5.94
25	0455	-5.65	25	0536	-4.53
W	1032	6.56	Sa	1128	5.18
	1709	-5.41		1749	-4.19
	2250	6.58		2348	4.89
26	0531	-5.23	26	0608	-3.74
Th	1117	5.93	Su	1212	4.22
	1745	-4.93		1824	-3.39
	2336	5.88			
27	0607	-4.88	27	0638	3.93
F	1203	5.18	M	0645	-2.97
	1824	-4.35		1309	3.47
				1915	-2.85
28	0625	5.11	28	0144	3.26
Sa	0648	-4.07	Tu	0752	-2.35
	1255	4.48		1432	3.21
	1909	-3.74		2056	-2.37
29	0122	4.43	29	0315	3.23
Su	0739	-3.48	W	0943	-2.50
	1356	4.00		1600	3.71
	2012	-3.23		2227	-3.02
30	0230	4.02	30	0436	3.89
M	0851	-3.11	Th	1100	-3.31
	1511	3.92		1708	4.82
	2135	-3.13		2331	-3.86
31	0345	4.02	31	0536	4.74
Tu	1012	-3.23	F	1159	-4.08
	1623	4.28		1757	5.43
	2252	-3.50			

AVONMOUTH**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

September			October		
Time	m		Time	m	
1	0024	-4.48	1	0042	-4.92
Sa	0623	5.38	M	0633	5.87
	1248	-4.55		1303	-4.88
	1840	5.94		1849	6.27
2	0111	-4.80	2	0124	-5.10
Su	0702	6.77	Tu	0706	6.12
	1332	-4.77		1343	-5.01
	1917	6.18		1921	6.41
3	0153	-4.94	3	0203	-5.19
M	0736	5.96	W	0736	6.30
	1411	-4.86		1419	-5.10
	1950	6.28		1951	6.52
4	0230	-5.01	4	0238	-5.28
Tu	0806	6.09	Th	0805	6.48
	1445	-4.92		1452	-5.15
	2020	6.38		2021	6.57
5	0304	-5.08	5	0310	-5.25
W	0834	6.21	F	0835	6.50
	1516	-4.95		1521	-5.08
	2048	6.37		2052	6.44
6	0334	-5.08	6	0338	-5.08
Th	0903	6.21	Sa	0906	6.27
	1544	-4.89		1548	-4.82
	2118	6.21		2124	6.03
7	0400	-4.93	7	0403	-4.71
F	0932	5.96	Su	0936	5.79
	1609	-4.65		1612	-4.43
	2148	5.78		2154	5.40
8	0424	-4.58	8	0425	-4.26
Sa	1001	5.48	M	1008	5.15
	1632	-4.27		1636	-4.00
	2218	5.16		2228	4.70
9	0448	-4.13	9	0452	-3.82
Su	1030	4.85	Tu	1044	4.49
	1657	-3.85		1709	-3.56
	2248	4.52		2311	3.99
10	0515	-3.70	10	0530	-3.32
M	1103	4.27	W	1134	3.84
	1727	-3.44		1758	-3.02
	2327	3.92			
11	0551	-3.26	11	0619	3.38
Tu	1151	3.73	Th	0630	-2.75
	1812	-2.90		1300	3.45
				1918	-2.58
12	0631	3.38	12	0200	3.37
W	0847	-2.75	F	0820	-2.64
	1315	3.38		1442	3.82
	1930	-2.52		2120	-3.12
13	0216	3.37	13	0333	4.24
Th	0842	-2.64	Sa	1001	-3.57
	1459	3.86		1606	5.05
	2140	-3.03		2246	-4.18
14	0348	4.22	14	0447	5.45
F	1021	-3.58	Su	1122	-4.59
	1622	4.98		1712	6.24
	2304	-4.09			
15	0503	5.40	15	0003	-5.10
Sa	1140	-4.56	M	0548	6.50
	1730	6.17		1232	-5.43
				1808	7.10
16	0021	-5.02	16	0105	-5.76
Su	0606	6.46	Tu	0636	7.18
	1252	-5.39		1328	-5.98
	1827	7.09		1855	7.58
17	0126	-5.76	17	0156	-6.10
M	0857	7.19	W	0720	7.51
	1350	-6.01		1415	-6.20
	1916	7.60		1937	7.76
18	0219	-6.25	18	0239	-6.12
Tu	0743	7.60	Th	0800	7.60
	1439	-6.37		1454	-6.15
	2000	7.64		2016	7.71
19	0304	-6.42	19	0314	-5.90
W	0825	7.74	F	0837	7.46
	1520	-6.42		1527	-5.85
	2042	7.94		2054	7.37
20	0342	-6.26	20	0343	-5.46
Th	0903	7.59	Sa	0913	6.98
	1554	-6.14		1554	-5.34
	2120	7.60		2131	6.65
21	0412	-5.79	21	0407	-4.85
F	0941	7.08	Su	0949	6.14
	1623	-5.58		1819	-4.66
	2158	6.87		2207	5.61
22	0438	-5.09	22	0430	-4.13
Sa	1018	6.20	M	1023	5.06
	1648	-4.83		1644	-3.89
	2235	5.80		2241	4.45
23	0501	-4.29	23	0454	-3.38
Su	1053	5.11	Tu	1058	3.98
	1714	-4.00		1712	-3.11
	2311	4.82		2319	3.39
24	0527	-3.48	24	0523	-2.85
M	1130	4.02	W	1145	3.07
	1743	-3.16		1749	-2.37
	2353	3.53			
25	0558	-2.69	25	0618	2.57
Tu	1221	3.11	Th	0607	-1.93
	1824	-2.38		1309	2.54
				1859	-1.78
26	0659	2.71	26	0159	2.37
W	0650	-1.93	F	0804	-1.50
	1353	2.89		1451	2.92
	2008	-1.82		2122	-2.24
27	0245	2.64	27	0332	3.08
Th	0915	-1.88	Sa	0957	-2.44
	1534	3.27		1603	3.80
	2202	-2.83		2226	-3.29
28	0413	3.50	28	0432	4.11
F	1035	-2.85	Su	1054	-3.47
	1642	4.36		1654	4.88
	2303	-3.71		2318	-4.15
29	0511	4.57	29	0518	4.99
Sa	1131	-3.94	M	1142	-4.22
	1731	5.34		1736	5.60
	2355	-4.49			
30	0558	5.39	30	0005	-4.69
Su	1219	-4.57	Tu	0557	5.62
	1813	5.97		1227	-4.68
				1813	6.05
			31	0049	-5.00
			W	0631	6.04
				1309	-4.95
				1648	6.33

AVONMOUTH

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November			December		
Time	m		Time	m	
1	0130 -5.19		1	0139 -5.27	
Th	0703 6.34		Sa	0710 6.55	
	1348 -5.12			1359 -5.18	
	1921 8.52			1933 6.55	
2	0209 -5.31		2	0221 -5.34	
F	0738 6.56		Su	0749 6.70	
	1425 -5.21			1439 -5.19	
	1955 6.61			2012 6.58	
3	0244 -5.33		3	0259 -5.25	
Sa	0809 8.64		M	0829 6.67	
	1459 -5.18			1518 -5.05	
	2030 6.53			2054 6.38	
4	0316 -5.17		4	0335 -5.00	
Su	0844 6.48		Tu	0909 6.42	
	1528 -4.94			1553 -4.78	
	2104 6.20			2138 6.01	
5	0345 -4.84		5	0409 -4.66	
M	0918 6.08			0952 6.00	
	1557 -4.58		W	1629 -4.46	
	2141 5.84			2222 5.49	
6	0411 -4.42		6	0445 -4.29	
Tu	0955 5.49		Th	1041 5.48	
	1625 -4.18			1711 -4.11	
	2221 4.95			2314 4.93	
7	0442 -3.97		7	0531 -3.91	
W	1039 4.82		F	1137 4.99	
	1703 -3.73			1804 -3.79	
	2311 4.25				
8	0524 -3.47		8	0015 4.49	
Th	1136 4.21		Sa	0830 -3.61	
	1756 -3.24			1243 4.69	
				1911 -3.63	
9	0020 3.74		9	0124 4.33	
F	0829 -3.00		Su	0742 -3.54	
	1254 3.93			1357 4.72	
	1918 -2.99			2025 -3.74	
10	0146 3.77		10	0239 4.54	
Sa	0804 -3.02		M	0859 -3.76	
	1423 4.30			1510 5.08	
	2057 -3.45			2140 -4.01	
11	0310 4.44		11	0349 5.02	
Su	0934 -3.71		Tu	1015 -4.11	
	1542 5.16			1617 5.53	
	2218 -4.21			2255 -4.32	
12	0422 5.38		12	0451 5.58	
M	1054 -4.48		W	1129 -4.50	
	1848 6.07			1716 5.93	
	2334 -4.87				
13	0521 6.22		13	0003 -4.63	
Tu	1204 -5.13		Th	0545 6.01	
	1743 6.72			1229 -4.81	
				1808 6.20	
14	0038 -5.34		14	0057 -4.84	
W	0611 6.75		F	0632 6.31	
	1300 -5.52			1319 -4.99	
	1831 7.05			1853 6.35	
15	0127 -5.55		15	0142 -4.92	
Th	0655 7.03		Sa	0715 6.50	
	1347 -5.66			1402 -5.02	
	1913 7.17			1936 6.40	
16	0210 -5.54				
F	0735 7.13				
	1427 -5.60				
	1953 7.13				
17	0245 -5.37				
Sa	0812 7.06				
	1500 -5.39				
	2031 6.87				
18	0315 -5.08				
Su	0850 8.72				
	1530 -5.03				
	2109 8.31				
19	0342 -4.63				
M	0927 6.04				
	1557 -4.51				
	2145 5.48				
20	0406 -4.05				
Tu	1002 5.14				
	1623 -3.88				
	2220 4.51				
21	0431 -3.44				
W	1036 4.22				
	1651 -3.27				
	2255 3.84				
22	0500 -2.86				
Th	1118 3.44				
	1726 -2.70				
	2342 2.98				
23	0539 -2.32				
F	1220 2.90				
	1818 -2.21				
24	0054 2.58				
Sa	0839 -1.88				
	1343 2.84				
	1951 -2.05				
25	0221 2.77				
Su	0839 -1.92				
	1501 3.38				
	2130 -2.67				
26	0332 3.45				
M	1000 -2.71				
	1600 4.14				
	2228 -3.46				
27	0425 4.29				
Tu	1054 -3.52				
	1849 4.91				
	2320 -4.14				
28	0510 5.07				
W	1143 -4.18				
	1732 5.55				
29	0008 -4.67				
Th	0651 5.72				
	1230 -4.67				
	1812 8.04				
30	0054 -5.04				
F	0630 6.22				
	1316 -5.00				
	1852 6.38				
16	0221 -4.90				
Su	0754 6.56				
	1439 -4.95				
	2015 6.32				
17	0255 -4.77				
M	0833 6.41				
	1512 -4.77				
	2054 6.02				
18	0325 -4.50				
Tu	0910 6.01				
	1542 -4.45				
	2130 5.51				
19	0353 -4.13				
W	0945 5.42				
	1610 -4.06				
	2203 4.89				
20	0418 -3.72				
Th	1018 4.78				
	1636 -3.67				
	2235 4.29				
21	0445 -3.35				
F	1054 4.19				
	1709 -3.31				
	2311 3.75				
22	0518 -2.89				
Sa	1136 3.67				
	1748 -2.84				
	2356 3.30				
23	0601 -2.61				
Su	1230 3.29				
	1838 -2.60				
24	0058 3.02				
M	0055 -2.30				
	1339 3.19				
	1946 -2.44				
25	0209 3.10				
Tu	0816 -2.24				
	1451 3.52				
	2118 -2.74				
26	0320 3.63				
W	0951 -2.77				
	1553 4.17				
	2227 -3.45				
27	0419 4.43				
Th	1056 -3.57				
	1648 4.93				
	2325 -4.19				
28	0512 5.27				
F	1152 -4.29				
	1739 5.62				
29	0020 -4.78				
Sa	0601 5.87				
	1245 -4.80				
	1828 6.14				
30	0112 -5.16				
Su	0649 6.47				
	1337 -5.11				
	1916 6.49				
31	0202 -5.34				
M	0735 6.79				
	1427 -5.26				
	2002 6.69				

BRISTOL (CUMBERLAND BASIN ENT)

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

January				February						
	Time	m		Time	m		Time	m		
1 M	1058 2316	4.89 4.35	16 Tu	1210 5.66		1 Th	1149 4.52	16 F	0040 1307	4.11 3.87
2 Tu	1139 4.24		17 W	0038 1303	4.95 4.91	2 F	0010 1243	17 Sa	0143 1422	3.45 3.35
3 W	0000 1230	3.95 3.92	18 Th	0136 1405	4.32 4.36	3 Sa	0115 1405	18 Su	0310 1552	3.36 3.50
4 Th	0057 1340	3.71 3.87	19 F	0245 1518	4.03 4.18	4 Su	0248 1533	19 M	0433 1707	4.00 4.24
5 F	0215 1459	3.83 4.27	20 Sa	0358 1530	4.22 4.43	5 M	0408 1648	20 Tu	0534 1801	4.90 5.08
6 Sa	0333 1609	4.48 5.04	21 Su	0503 1731	4.75 4.92	6 Tu	0518 1755	21 W	0622 1845	5.68 5.68
7 Su	0440 1712	5.37 5.89	22 M	0557 1822	5.36 5.41	7 W	0621 1855	22 Th	0702 1922	6.13 6.02
8 M	0539 1810	6.26 6.60	23 Tu	0643 1905	5.86 5.77	8 Th	0716 1947	23 F	0738 1955	6.38 6.25
9 Tu	0635 1908	6.95 7.12	24 W	0722 1943	6.17 5.98	9 F	0808 2034	24 Sa	0810 2025	6.56 6.48
10 W	0728 1957	7.43 7.43	25 Th	0758 2017	6.33 6.10	10 Sa	0852 2118	25 Su	0840 2055	6.71 6.63
11 Th	0817 2046	7.69 7.56	26 F	0831 2047	6.38 6.18	11 Su	0934 2159	26 M	0912 2125	6.75 6.62
12 F	0904 2132	7.75 7.48	27 Sa	0902 2117	6.38 6.17	12 M	1018 2239	27 Tu	0943 2156	6.56 6.32
13 Sa	0950 2216	7.57 7.10	28 Su	0933 2148	6.26 6.03	13 Tu	1055 2317	28 W	1014 2227	6.10 5.79
14 Su	1036 2303	7.12 6.49	29 M	1005 2219	6.00 5.69	14 W	1135 2358			
15 M	1122 2349	6.44 5.72	30 Tu	1037 2252	5.54 5.20	15 Th	1218 4.76			
			31 W	1110 2327	5.01 4.89					

BRISTOL (CUMBERLAND BASIN ENT)**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

March				April			
	Time	m			Time	m	
1 Th	1046 2259	5.48 5.18	16 F	1134 2351	4.58 4.03	1 Su	1152 4.24
2 F	1120 2337	4.86 4.59	17 Sa	1214	3.58	2 M	0019 1312
3 Sa	1207	4.25	18 Su	0044 1324	3.17 2.82	3 Tu	0152 1449
4 Su	0034 1325	4.03 3.78	19 M	0219 1511	2.80 2.83	4 W	0328 1617
5 M	0210 1506	3.82 3.89	20 Tu	0358 1637	3.42 3.72	5 Th	0448 1728
6 Tu	0344 1631	4.45 4.89	21 W	0504 1732	4.50 4.75	6 F	0552 1825
7 W	0503 1743	5.54 6.00	22 Th	0553 1818	5.44 5.54	7 Sa	0645 1912
8 Th	0609 1843	6.82 6.95	23 F	0634 1854	6.05 6.04	8 Su	0730 1953
9 F	0704 1932	7.43 7.58	24 Sa	0710 1928	6.40 6.38	9 M	0810 2031
10 Sa	0751 2016	7.92 7.92	25 Su	0743 1958	6.65 6.67	10 Tu	0846 2106
11 Su	0833 2058	8.14 7.99	26 M	0815 2030	6.87 6.91	11 W	0922 2140
12 M	0913 2134	8.07 7.73	27 Tu	0847 2101	6.88 6.95	12 Th	0957 2213
13 Tu	0950 2210	7.62 7.09	28 W	0919 2134	6.84 6.68	13 F	1029 2243
14 W	1026 2243	6.78 6.13	29 Th	0952 2205	6.39 6.15	14 Sa	1059 2313
15 Th	1100 2316	5.70 5.05	30 F	1025 2239	5.73 5.47	15 Su	1134 2359
			31 Sa	1103 2319	4.99 4.77	30 M	1154 4.37

BRISTOL (CUMBERLAND BASIN ENT)

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

May			June					
	Time	m		Time	m		Time	m
1 Tu	0020 1310	4.34 3.98	16 W	0038 1317	2.87 2.74	1 F	0246 1528	5.00 4.95
2 W	0144 1435	4.20 4.17	17 Th	0208 1446	3.02 3.07	2 Sa	0357 1634	5.42 5.47
3 Th	0310 1557	4.70 4.93	18 F	0324 1554	3.68 3.88	3 Su	0500 1731	5.65 5.93
4 F	0427 1705	5.57 5.84	19 Sa	0422 1847	4.55 4.78	4 M	0554 1819	6.13 6.23
5 Sa	0529 1801	6.38 6.54	20 Su	0510 1733	5.36 5.59	5 Tu	0640 1902	6.28 6.42
6 Su	0621 1846	6.85 6.93	21 M	0555 1816	6.02 6.23	6 W	0722 1941	6.35 6.54
7 M	0705 1927	7.07 7.12	22 Tu	0637 1857	6.50 6.89	7 Th	0800 2019	6.37 6.54
8 Tu	0744 2004	7.15 7.19	23 W	0719 1938	6.81 6.99	8 F	0837 2055	6.23 6.31
9 W	0822 2040	7.10 7.08	24 Th	0801 2019	6.96 7.09	9 Sa	0913 2128	5.87 5.66
10 Th	0856 2114	6.80 6.87	25 F	0843 2059	6.90 6.85	10 Su	0946 2201	5.35 5.27
11 F	0932 2147	6.19 5.94	26 Sa	0925 2142	6.60 6.58	11 M	1017 2234	4.78 4.68
12 Sa	1004 2218	5.34 5.06	27 Su	1010 2227	6.09 6.04	12 Tu	1052 2312	4.22 4.12
13 Su	1034 2249	4.45 4.21	28 M	1059 2319	5.47 5.44	13 W	1132	3.74
14 M	1109 2331	3.67 3.46	29 Tu	1155	4.90	14 Th	0000 1225	3.68 3.39
15 Tu	1159	3.04	30 W	0021 1301	4.97 4.56	15 F	0101 1331	3.45 3.32
			31 Th	0131 1414	4.81 4.58			

BRISTOL (CUMBERLAND BASIN ENT)**GMT****Datum : Ordnance Datum (Newlyn)****Year : 2001**

July			August		
Time	m		Time	m	
1 Su	0322 1558	4.93 4.84	16 M	0222 1457	3.89 4.02
2 M	0427 1701	5.07 5.17	17 Tu	0337 1608	4.43 4.78
3 Tu	0527 1755	5.30 5.54	18 W	0443 1711	5.20 5.68
4 W	0619 1842	5.53 5.85	19 Th	0543 1809	5.84 6.41
5 Th	0704 1924	5.73 6.08	20 F	0641 1904	6.54 6.97
6 F	0746 2003	5.88 6.19	21 Sa	0734 1955	6.97 7.34
7 Sa	0824 2040	5.90 6.18	22 Su	0825 2043	7.23 7.58
8 Su	0858 2113	5.81 5.98	23 M	0912 2129	7.33 7.58
9 M	0930 2145	5.81 5.70	24 Tu	0958 2215	7.21 7.34
10 Tu	1001 2216	5.33 5.34	25 W	1042 2300	6.80 6.83
11 W	1032 2250	4.98 4.90	26 Th	1127 2348	6.15 6.11
12 Th	1107 2327	4.55 4.43	27 F	1213	5.38
13 F	1145	4.12	28 Sa	0035 1305	5.31 4.88
14 Sa	0010 1232	4.02 3.79	29 Su	0132 1408	4.61 4.17
15 Su	0107 1337	3.79 3.88	30 M	0240 1521	4.19 4.09
			31 Tu	0355 1633	4.19 4.48

BRISTOL (CUMBERLAND BASIN ENT)

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

September			October								
	Time	m		Time	m		Time	m		Time	m
1	0633	5.60	16	0616	6.70	1	0643	6.09	16	0646	7.44
Sa	1850	0.17	Su	1837	7.35	M	1859	6.51	Tu	1905	7.66
2	0712	5.99	17	0707	7.48	2	0716	6.35	17	0730	7.78
Su	1927	6.42	M	1926	7.94	Tu	1931	6.68	W	1947	8.04
3	0746	6.19	18	0753	7.68	3	0748	6.54	18	0810	7.88
M	2000	6.52	Tu	2010	8.23	W	2001	6.77	Th	2026	7.99
4	0816	6.32	19	0835	8.02	4	0815	6.71	19	0847	7.73
Tu	2030	6.60	W	2052	8.23	Th	2031	6.82	F	2104	7.64
5	0844	6.45	20	0913	7.86	5	0845	6.74	20	0923	7.24
W	2058	6.61	Th	2130	7.88	F	2102	6.68	Sa	2141	6.90
6	0913	6.45	21	0951	7.34	6	0918	6.51	21	0959	6.37
Th	2128	6.44	F	2208	7.12	Sa	2134	6.28	Su	2217	5.62
7	0942	6.19	22	1028	6.43	7	0946	6.01	22	1033	5.27
F	2158	6.00	Sa	2245	6.03	Su	2204	5.62	M	2251	4.63
8	1011	5.67	23	1103	5.31	8	1018	5.36	23	1108	4.15
Sa	2228	5.36	Su	2321	4.81	M	2238	4.89	Tu	2329	3.54
9	1040	5.04	24	1140	4.19	9	1084	4.67	24	1155	3.21
Su	2258	4.70	M			Tu	2321	4.16	W		
10	1113	4.45	25	0003	3.89	10	1144	4.01	25	0028	2.70
M	2337	4.09	Tu	1231	3.26	W			Th	1319	2.67
11	1201	3.90	26	0109	2.65	11	0029	3.53	26	0209	2.48
Tu			W	1403	2.83	Th	1310	3.61	F	1501	3.08
12	0041	3.54	27	0255	2.77	12	0210	3.52	27	0342	3.22
W	1325	3.54	Th	1544	3.42	F	1452	4.09	Sa	1613	4.07
13	0226	3.52	28	0423	3.88	13	0343	4.41	28	0442	4.28
Th	1509	4.02	F	1652	4.55	Sa	1816	5.28	Su	1704	5.08
14	0358	4.39	29	0521	4.78	14	0457	5.67	29	0528	5.19
F	1632	5.18	Sa	1741	5.55	Su	1722	6.48	M	1748	5.82
15	0513	5.61	30	0606	5.60	15	0556	6.75	30	0607	5.84
Sa	1740	6.40	Su	1823	6.20	M	1818	7.37	Tu	1823	6.28
									31	0841	6.27
									W	1858	6.57

BRISTOL (CUMBERLAND BASIN ENT)

GMT

Datum : Ordnance Datum (Newlyn)

Year : 2001

November			December		
	Time m			Time m	
1 Th	0713 1931 6.58 6.77	16 F	0745 2003 7.40 7.39	1 Sa	0720 1943 6.79 6.60
2 F	0746 2005 6.81 6.86	17 Sa	0822 2041 7.33 7.13	2 Su	0759 2022 6.95 6.81
3 Sa	0819 2040 6.88 6.77	18 Su	0900 2119 6.97 6.54	3 M	0839 2104 6.91 6.62
4 Su	0854 2114 6.72 6.43	19 M	0937 2153 6.27 5.88	4 Tu	0919 2148 6.67 6.24
5 M	0928 2151 6.31 5.86	20 Tu	1012 2230 5.34 4.89	5 W	1002 2232 6.23 5.70
6 Tu	1005 2231 5.70 5.15	21 W	1048 2305 4.40 3.80	6 Th	1051 2324 5.89 5.12
7 W	1049 2321 5.02 4.43	22 Th	1128 2352 3.59 3.10	7 F	1147 5.19
8 Th	1146 4.38	23 F	1230 3.04	8 Sa	0025 1253 4.87 4.88
9 F	0030 1304 3.90 4.10	24 Sa	0104 1353 2.71 2.98	9 Su	0134 1407 4.51 4.91
10 Sa	0158 1433 3.94 4.48	25 Su	0231 1511 2.80 3.51	10 M	0249 1520 4.72 5.28
11 Su	0320 1552 4.62 5.37	26 M	0342 1610 3.61 4.32	11 Tu	0359 1627 5.22 5.74
12 M	0432 1658 5.59 6.30	27 Tu	0435 1659 4.47 5.11	12 W	0501 1728 5.78 6.16
13 Tu	0531 1753 6.45 6.97	28 W	0520 1742 5.27 5.77	13 Th	0555 1818 6.24 6.44
14 W	0621 1841 7.00 7.31	29 Th	0601 1822 5.94 6.27	14 F	0642 1803 6.55 6.59
15 Th	0705 1923 7.29 7.43	30 F	0640 1902 6.45 6.82	15 Sa	0725 1948 6.75 6.84
				16 Su	0804 2025 6.80 6.55
				17 M	0843 2104 6.65 6.25
				18 Tu	0920 2140 6.24 5.72
				19 W	0955 2213 5.83 5.09
				20 Th	1028 2245 4.97 4.47
				21 F	1104 2321 4.36 3.92
				22 Sa	1146 3.83
				23 Su	0008 1240 3.45 3.44
				24 M	0108 1349 3.18 3.34
				25 Tu	0219 1501 3.25 3.67
				26 W	0330 1603 3.79 4.34
				27 Th	0429 1658 4.82 5.12
				28 F	0522 1749 5.48 5.84
				29 Sa	0611 1838 6.20 6.38
				30 Su	0659 1928 6.72 6.74
				31 M	0745 2012 7.04 6.94

TIDAL DESCRIPTIONS & DEFINITIONS

Cause of Tides

Tides are the alternating rise and fall of the surface of the seas and oceans. They are due mainly to the gravitational attraction (pull) of the moon and sun on the rotating earth. Two high and two low tides occur daily around Britain and, with average weather conditions, scientists can predict their movements with considerable accuracy.

Both moon and sun affect the tides, but since the moon is much closer to the earth it has more than twice the effect of the sun, even though it is much smaller.

As everyone knows, the moon orbits around the earth. However, the earth is not fixed rigidly in space, and as the moon orbits, it attracts the earth round in a monthly orbit of its own. So the earth has a small orbit caused by the moon in addition to its annual one round the sun. It is the gravitational pull of the moon on the earth which keeps the earth in its monthly orbit.

The attractive pull of gravity gets weaker as the distance between the objects increases (and it becomes stronger, of course, the closer they get). The earth is large, so the pull of gravity on the side of the earth nearer the moon is stronger than the pull on the side of the earth furthest from the moon.

The pull of the moon's gravity is just enough to keep the earth in its monthly orbit, but it is a bit stronger on the surface of the earth facing the moon (near side) and weaker on the far side. This means that on the near side, the moon tends to pull anything that's free to move towards it. In the same way, on the far side, there isn't quite enough gravitational pull, so that anything that's free to move tends to fly off, away from the moon. Although land isn't free to move, the oceans are. So on the near side they are pulled into a bulge towards the moon, and on the far side, they pile up into a bulge away from the moon.

As the earth spins, different parts of the world move under the two bulges of high water and experience high tides, giving the familiar two tides a day around Britain. In some parts of the world, local effects can mean only one tide a day, or even none.

Between the two bulges are two troughs of low water, producing two low tides a day. The sun also creates a very similar though smaller effect (the solar tide) and it is the interaction of the lunar and solar tides that causes spring and neap tides.

Spring and Neap Tides

Tides change in height - low water level and high water level vary throughout the month. The tides build up to a maximum and fall to a minimum twice a month. The tides with the biggest difference between high and low water are called springs and those with the smallest are called neaps.

Spring tides happen just after every full and new moon, when the sun, moon and earth are in line. That's when lunar and solar tides line up and reinforce each other, making a bigger total tide. Neap tides occur when the moon is in the first or third quarter - when the sun, earth and moon form a right angle. The lunar high tide coincides with the solar low tide and they partly cancel out, giving a small total tide.

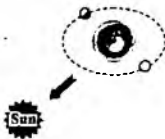
Because of the regular motion of the sun, moon and earth, spring tides occur roughly 36 to 48 hours after the full or new moons, and for any given location, always at roughly the same time of day.

Not all spring tides are the same size. Springs nearest the equinoxes (21 March and 21 September - when day and night are of equal length all over the world) are slightly bigger. The explanation for this is very complex and won't be given here.

Spring Tides



Neap Tides



Other Effects

Tides are also affected by the weather and the shape of the coastline. In the upper reaches of estuaries the river bed and shape of the estuary can distort the tidal pattern, producing long flood times and short ebb times. Though the time from high tide to high tide is the same as usual - roughly 12 hours 25 minutes - low tide is not half way between them.

The weather also has a profound effect on the tide - strong winds and abnormal atmospheric pressure are two of the main causes of altered tides. Variations in tidal heights are mainly caused by strong or prolonged winds and by unusually high or low barometric pressure. Differences between predicted and actual times of high and low water are caused mainly by wind.

Tidal Levels – Definitions (as defined in Admiralty Tide Tables 1999 Vol. 1)

1. **Chart Datum** – is defined as a level, at a particular location, so low that the tide will not frequently fall below it. This level normally approximates to the level of Lowest Astronomical Tide. It is used by the nautical community to determine the draught in a harbour on any tide. **Ordnance Datum (Newlyn)** – is defined as the mean sea level calculated from hourly tidal observations taken over a six-year period (1915-21) at Newlyn and is useful when relating tide heights to sea defence levels.
2. **HAT (Highest Astronomical Tide) and LAT (Lowest Astronomical Tide)** – The highest and lowest levels respectively which can be predicted to occur under average meteorological conditions ; these levels will not be reached every year. HAT and LAT are not the extreme levels which can be reached, as storm surges may cause considerably higher and lower levels to occur.
3. **MHWS (Mean High Water Springs) and MLWS (Mean Low Water Springs)** – The height of mean high water springs is the average (throughout a year when the average maximum declination of the moon is $23\frac{1}{2}^{\circ}$) of the heights of two successive high waters during those periods of 24 hours (approximately once a fortnight) when the range of the tide is greatest. The height of mean low water springs is the average height obtained from the two successive low waters during the same periods.
4. **MHWN (Mean High Water Neaps) and MLWN (Mean Low Water Neaps)** – The height of mean high water neaps is the average (throughout a year as defined in 3 above) of the heights of two successive high waters during those periods (approximately once a fortnight) when the range of the tide is least. The height of mean low water neaps is the average height obtained from the two successive low waters during the same periods.
5. The values of MHWS, MHWN, MLWN and MLWS vary from year to year in a cycle of approximately 18.6 years. In general, the levels are computed from at least a year's predictions and are adjusted for the long period variations to give values which are the average over the whole cycle. The values of HAT and LAT are determined by inspection over a span of years.
6. **MSL (Mean Sea Level)** – The average level of the sea surface over a long period (preferably 18.6 years), or the average level which would exist in the absence of tides.
7. **MTL (Mean Tide Level)** – Can be calculated by meaning the heights of MHWS, MHWN, MLWN and MLWS.

FLOODING INFORMATION

Dial and listen for information on flooding in your area.

ENVIRONMENT AGENCY

FLOODLINE

0845 988 11 88

The Environment Agency's telephone flood warning service gives you information on all flood warnings which may be in force at any time for rivers and the coast in England and Wales.

QUICKDIAL NUMBERS FOR THE SOUTH WEST COASTLINE ARE:

The North Cornwall Coast	04121
The South Cornwall Coast	04122
The North Devon Coast	04221
The South Devon Coast	04222
The Somerset Coast	0432
The West Coast of Dorset	04531
The East Coast of Dorset	04532

To use the quickdial number, dial 0845 9881188, select the option to hear recorded flood warnings and when the recorded message begins, use the quickdial number for your area.

Wind Speed Conversions

Beaufort Scale	Speed in Knots *	Speed in MPH *	Description	Probable Wave Height	
				Mean m ++	Max m
0	< 1	< 1	Calm	0.0	0.0
1	1 - 3	1 - 4	Light Air	0.1	0.1
2	4 - 6	5 - 7	Light Breeze	0.2	0.3
3	7 - 10	8 - 11	Gentle Breeze	0.6	1.0
4	11 - 16	12 - 18	Moderate Breeze	1.0	1.5
5	17 - 21	19 - 24	Fresh Breeze	2.0	2.5
6	22 - 27	25 - 31	Strong Breeze	3.0	4.0
7	28 - 33	32 - 38	Near Gale	4.0	5.5
8	34 - 40	39 - 45	Gale	5.5	7.5
9	41 - 47	46 - 53	Strong Gale	7.0	10.0
10	48 - 55	54 - 63	Storm	9.0	12.5
11	56 - 63	64 - 72	Violent Storm	11.5	16.0
12	> 63	> 72	Hurricane	14.0	

* Measured at 10m above Sea Level.

++ Wave heights in open waters. Near land, waves will be smaller and steeper.

SOUTH WEST REGION ADDRESSES

REGIONAL OFFICE

Environment Agency
South West Region
Manley House
Kestrel Way
Exeter EX2 7LQ
Tel: 01392 444 000
Fax: 01392 444 200

SOUTH WESSEX

AREA OFFICE
Environment Agency
Rivers House
Sunrise Business Park
Higher Shaftesbury Road
Blandford DT11 8ST

DEVON AREA OFFICE

Environment Agency
Exminster House
Miller Way
Exminster
Devon EX6 8AS
Tel: 01392 444 000
Fax: 01392 444 016

CORNWALL OFFICE

Environment Agency
Sir John Moore House
Victoria Square
Bodmin PL30 1AB
Tel: 01208 77800
Fax: 01208 77801



ENVIRONMENT AGENCY

NORTH WEST AREA OFFICE

Environment Agency
Rivers House
Bridgewater
Tel: 01204 61000
Fax: 01204 61001

NATIONAL LIBRARY & INFORMATION SERVICE



DEVON WESSEX
AREA

SOUTH WEST REGION

www.enviro.gov.uk

Manley House, Kestrel Way,
Exeter EX2 7LQ

**ENVIRO
GENERAL**

0845

**ENVIRO
F L O**

0845

**ENVIRO
EMERGI**

0800

ENVIRONMENT AGENCY



046940

ENT