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PORT HACKING – NEW SOUTH WALES

LAT 34° 5' S LONG 151° 9' E

Times and Heights of High and Low Waters

2019

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0542	1.44	16 0441	1.34	1 0018	0.48	16 0603	1.57	1 0538	1.40	16 0431	1.49	1 0025	0.60	16 0523	1.66
1207	0.47	1100	0.56	0700	1.50	1249	0.32	1232	0.48	1125	0.40	0645	1.43	1158	0.22
TU 1757	1.20	WE 1651	1.16	FR 1347	0.39	SA 1848	1.18	FR 1826	1.06	SA 1730	1.14	MO 1320	0.41	TU 1812	1.45
2357	0.38	2259	0.41	1933	1.10			2356	0.57	2308	0.51	1928	1.25		
2 0633	1.50	17 0536	1.44	2 0106	0.46	17 0028	0.38	2 0633	1.43	17 0541	1.58	2 0112	0.54	17 0003	0.37
1310	0.41	1209	0.46	0745	1.54	0702	1.69	1321	0.43	1229	0.29	0728	1.48	0620	1.71
WE 1855	1.17	TH 1759	1.17	SA 1429	0.34	SU 1346	0.19	SA 1916	1.11	SU 1836	1.23	TU 1357	0.37	WE 1245	0.18
		2353	0.38	2017	1.14	1946	1.27					2002	1.32	1900	1.57
3 0042	0.39	18 0630	1.56	3 0148	0.44	18 0124	0.30	3 0048	0.53	18 0015	0.43	3 0153	0.48	18 0100	0.28
0721	1.56	1309	0.34	0826	1.58	0758	1.81	0720	1.48	0644	1.69	0806	1.51	0713	1.71
TH 1401	0.35	FR 1901	1.20	SU 1504	0.30	MO 1438	0.09	SU 1400	0.38	MO 1325	0.19	WE 1430	0.34	TH 1330	0.18
1946	1.16			2056	1.18	2039	1.35	1957	1.18	1931	1.34	2035	1.39	1945	1.66
4 0125	0.39	19 0045	0.33	4 0228	0.41	19 0218	0.23	4 0133	0.48	19 0114	0.33	4 0230	0.42	19 0153	0.23
0804	1.60	0722	1.69	0902	1.61	0850	1.89	0801	1.52	0740	1.78	0842	1.53	0802	1.67
FR 1445	0.31	SA 1404	0.22	MO 1538	0.28	TU 1528	0.03	MO 1435	0.33	TU 1415	0.12	TH 1500	0.33	FR 1412	0.20
2032	1.16	1959	1.25	2131	1.21	2128	1.42	2032	1.24	2021	1.45	2107	1.46	○ 2030	1.73
5 0205	0.40	20 0138	0.29	5 0304	0.39	20 0312	0.18	5 0213	0.43	20 0209	0.24	5 0307	0.39	20 0245	0.20
0845	1.63	0814	1.81	0937	1.62	0941	1.92	0837	1.56	0832	1.83	0917	1.52	0852	1.60
SA 1524	0.28	SU 1456	0.11	TU 1611	0.26	WE 1615	0.01	TU 1508	0.30	WE 1501	0.08	FR 1530	0.32	SA 1453	0.26
2114	1.17	2053	1.30	● 2205	1.23	○ 2216	1.48	2105	1.29	2108	1.54	● 2140	1.51	2114	1.76
6 0244	0.40	21 0230	0.24	6 0341	0.39	21 0405	0.16	6 0249	0.39	21 0302	0.18	6 0345	0.36	21 0336	0.22
0922	1.65	0905	1.90	1011	1.62	1030	1.89	0912	1.58	0923	1.83	0953	1.50	0940	1.49
SU 1600	0.26	MO 1546	0.04	WE 1643	0.26	TH 1700	0.04	WE 1539	0.28	TH 1546	0.08	SA 1600	0.34	SU 1532	0.34
● 2153	1.18	○ 2145	1.34	2239	1.25	2305	1.51	2138	1.33	○ 2154	1.61	2214	1.56	2157	1.75
7 0321	0.41	22 0322	0.22	7 0417	0.39	22 0500	0.18	7 0325	0.37	22 0356	0.16	7 0323	0.35	22 0428	0.26
0958	1.65	0956	1.94	1045	1.60	1119	1.79	0945	1.58	1012	1.77	0930	1.46	1029	1.38
MO 1636	0.26	TU 1636	0.00	TH 1715	0.28	FR 1745	0.11	TH 1610	0.28	FR 1629	0.13	SU 1530	0.36	MO 1612	0.43
2230	1.18	2236	1.37	2314	1.27	2353	1.51	● 2211	1.37	2240	1.65	2149	1.59	2240	1.71
8 0358	0.42	23 0415	0.21	8 0455	0.41	23 0555	0.23	8 0401	0.36	23 0448	0.18	8 0404	0.35	23 0518	0.33
1032	1.64	1046	1.93	1118	1.56	1208	1.64	1019	1.56	1100	1.65	1010	1.40	1116	1.26
TU 1711	0.27	WE 1726	0.02	FR 1747	0.30	SA 1830	0.20	FR 1640	0.29	SA 1711	0.21	MO 1603	0.40	TU 1651	0.52
2307	1.18	2328	1.38	2350	1.28			2244	1.40	2325	1.65	2227	1.60	2322	1.64
9 0436	0.44	24 0511	0.24	9 0535	0.44	24 0042	1.50	9 0438	0.37	24 0542	0.23	9 0449	0.37	24 0611	0.40
1107	1.61	1137	1.86	1153	1.49	0652	0.32	1054	1.52	1148	1.51	1053	1.32	1207	1.17
WE 1746	0.29	TH 1815	0.07	SA 1820	0.33	SU 1259	1.47	SA 1709	0.32	SU 1751	0.31	TU 1640	0.45	WE 1731	0.61
2345	1.17			1914	0.32			2318	1.42			2308	1.59		
10 0515	0.47	25 0019	1.38	10 0030	1.28	25 0133	1.46	10 0518	0.39	25 0011	1.62	10 0539	0.40	25 0007	1.55
1143	1.56	0608	0.29	0617	0.47	0753	0.41	1130	1.45	0636	0.31	1141	1.24	0706	0.47
TH 1823	0.32	FR 1228	1.73	SU 1230	1.41	MO 1351	1.29	SU 1740	0.35	MO 1237	1.35	WE 1722	0.52	TH 1302	1.11
		1904	0.15	1855	0.37	1959	0.42	2356	1.43	1831	0.42	2355	1.57	1818	0.69
11 0025	1.17	26 0113	1.38	11 0112	1.29	26 0229	1.42	11 0600	0.42	26 0057	1.56	11 0636	0.43	26 0057	1.47
0557	0.50	0707	0.36	0705	0.52	0900	0.48	1208	1.37	0733	0.40	1238	1.17	0804	0.52
FR 1220	1.49	SA 1319	1.57	MO 1312	1.32	TU 1451	1.14	MO 1814	0.40	TU 1329	1.21	TH 1813	0.58	FR 1406	1.08
1901	0.35	1954	0.24	1932	0.41	● 2048	0.51			1913	0.53	1917	0.74		
12 0108	1.17	27 0209	1.37	12 0159	1.30	27 0329	1.39	12 0035	1.43	27 0147	1.49	12 0050	1.54	27 0156	1.40
0643	0.55	0811	0.43	0801	0.55	1015	0.52	0648	0.45	0836	0.47	0744	0.44	0904	0.53
SA 1300	1.42	SU 1415	1.40	TU 1401	1.22	WE 1602	1.05	TU 1251	1.28	WE 1428	1.10	FR 1346	1.13	SA 1515	1.10
1942	0.38	2044	0.33	2017	0.45	2148	0.57	1850	0.45	2000	0.62	1917	0.62	● 2031	0.76
13 0155	1.18	28 0308	1.37	13 0253	1.32	28 0434	1.38	13 0121	1.43	28 0243	1.42	13 0157	1.52	28 0301	1.37
0734	0.59	0921	0.50	0910	0.56	1129	0.52	0744	0.49	0944	0.52	0857	0.42	1000	0.52
SU 1345	1.33	MO 1517	1.24	WE 1504	1.14	TH 1720	1.03	WE 1343	1.19	TH 1538	1.04	SA 1506	1.15	SU 1616	1.16
2025	0.41	● 2135	0.41	● 2113	0.48	2255	0.59	1936	0.51	● 2102	0.68	● 2037	0.62	2146	0.73
14 0247	1.21	29 0410	1.38	14 0355	1.37	29 0329	1.39	14 0215	1.42	29 0347	1.37	14 0310	1.55	29 0405	1.37
0835	0.61	1037	0.52	1029	0.53	1015	0.52	0851	0.50	1051	0.53	1005	0.36	1048	0.49
MO 1438	1.25	TU 1627	1.13	TH 1621	1.10	2218	0.48	TH 1448	1.11	FR 1656	1.05	SU 1620	1.22	MO 1706	1.23
● 2113	0.43	2230	0.46					● 2036	0.55	2217	0.69	2156	0.56	2249	0.68
15 0344	1.26	30 0511	1.41	15 0500	1.45	30 0455	1.36	15 0319	1.44	30 0455	1.36	15 0421	1.60	30 0500	1.39
0945	0.61	1153	0.50	1145	0.44	1151	0.50	1010	0.47	1151	0.50	1104	0.29	1131	0.45
TU 1541	1.19	WE 1738	1.08	FR 1740	1.12	1800	1.10	FR 1610	1.09	SA 1800	1.10	MO 1720	1.33	TU 1748	1.32
2204	0.43	2326	0.48	2326	0.44			2151	0.56	2328	0.66	2303	0.47	2342	0.60
		31 0609	1.45					31 0556	1.39						
		1258	0.45					1240	0.46						
		TH 1842	1.08					SU 1847	1.17						

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

PORT HACKING – NEW SOUTH WALES

LAT 34° 5' S LONG 151° 9' E

2019

Times and Heights of High and Low Waters

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0330 0.01		16 0319 0.26		1 0341 0.12		16 0410 0.31		1 0530 0.41		16 0452 0.42		1 0024 1.11		16 0527 0.42	
0936 1.51		0927 1.38		0958 1.66		1030 1.53		1203 1.64		1124 1.65		0544 0.52		1159 1.73	
SU 1530 0.15		MO 1522 0.34		TU 1615 0.13		WE 1647 0.30		FR 1851 0.27		SA 1807 0.26		SU 1218 1.57		MO 1848 0.19	
2150 1.80		2135 1.46		2222 1.50		2250 1.31						1914 0.33			
2 0415 0.06		17 0349 0.29		2 0424 0.22		17 0442 0.35		2 0048 1.12		17 0009 1.15		2 0114 1.08		17 0052 1.19	
1025 1.54		1001 1.40		1045 1.64		1106 1.54		0615 0.50		0537 0.47		0630 0.58		0622 0.45	
MO 1627 0.19		TU 1601 0.36		WE 1712 0.20		TH 1730 0.32		SA 1250 1.54		SU 1211 1.62		MO 1302 1.48		TU 1251 1.67	
2241 1.66		2211 1.39		2314 1.34		2331 1.23		1949 0.34		1900 0.29		2002 0.39		1944 0.22	
3 0500 0.15		18 0419 0.33		3 0507 0.33		18 0516 0.40		3 0146 1.05		18 0104 1.12		3 0206 1.06		18 0151 1.20	
1115 1.54		1037 1.41		1134 1.59		1145 1.53		0704 0.58		0630 0.52		0723 0.63		0724 0.49	
TU 1726 0.25		WE 1645 0.39		TH 1812 0.29		FR 1816 0.34		SU 1342 1.44		MO 1304 1.57		TU 1350 1.39		WE 1347 1.59	
2332 1.49		2249 1.31						2049 0.40		2001 0.30		2053 0.42		2040 0.24	
4 0545 0.25		19 0452 0.38		4 0008 1.18		19 0017 1.16		4 0251 1.02		19 0207 1.10		4 0304 1.08		19 0253 1.23	
1206 1.51		1116 1.41		0552 0.44		0556 0.46		0803 0.64		0733 0.55		0824 0.67		0832 0.51	
WE 1828 0.34		TH 1730 0.43		FR 1226 1.51		SA 1230 1.50		MO 1440 1.36		TU 1404 1.53		WE 1445 1.31		TH 1449 1.50	
		2331 1.21		1917 0.37		1910 0.38		☉ 2149 0.44		2105 0.30		☉ 2145 0.44		☉ 2136 0.26	
5 0027 1.31		20 0529 0.43		5 0110 1.06		20 0111 1.09		5 0400 1.03		20 0317 1.13		5 0402 1.12		20 0357 1.30	
0633 0.36		1200 1.39		0643 0.54		0645 0.52		0915 0.67		0846 0.56		0933 0.67		0946 0.50	
TH 1301 1.48		FR 1824 0.46		SA 1323 1.43		SU 1321 1.47		TU 1545 1.31		WE 1512 1.50		TH 1547 1.26		FR 1556 1.42	
1937 0.41				2028 0.42		2014 0.39		2245 0.44		☉ 2207 0.28		2234 0.43		2230 0.27	
6 0129 1.15		21 0021 1.12		6 0323 1.00		21 0215 1.05		6 0500 1.09		21 0424 1.21		6 0457 1.19		21 0457 1.39	
0724 0.46		0612 0.49		0845 0.60		0745 0.56		1028 0.65		1002 0.52		1045 0.65		1101 0.46	
FR 1402 1.44		SA 1250 1.38		SU 1529 1.37		MO 1424 1.45		WE 1649 1.30		TH 1621 1.49		FR 1648 1.24		SA 1704 1.36	
☉ 2053 0.45		1929 0.48		☉ 2236 0.44		☉ 2126 0.38		2332 0.41		2303 0.24		2320 0.41		2322 0.28	
7 0241 1.05		22 0123 1.05		7 0440 1.00		22 0332 1.06		7 0550 1.16		22 0524 1.32		7 0545 1.27		22 0553 1.49	
0824 0.53		0707 0.53		0959 0.62		0900 0.57		1132 0.60		1115 0.45		1149 0.59		1213 0.39	
SA 1508 1.42		SU 1351 1.39		MO 1637 1.35		TU 1534 1.46		TH 1745 1.31		FR 1727 1.49		SA 1744 1.23		SU 1809 1.31	
2208 0.45		☉ 2045 0.46		2336 0.42		2234 0.32				2354 0.20					
8 0400 1.01		23 0241 1.03		8 0543 1.05		23 0446 1.12		8 0015 0.38		23 0617 1.45		8 0001 0.39		23 0012 0.28	
0930 0.55		0818 0.54		1108 0.60		1019 0.52		0632 1.25		1220 0.35		0628 1.36		0645 1.59	
SU 1614 1.42		MO 1501 1.43		TU 1738 1.36		WE 1646 1.51		FR 1227 0.53		SA 1827 1.49		SU 1245 0.51		MO 1317 0.31	
2313 0.42		2159 0.39				2334 0.24		1831 1.33				1834 1.23		1909 1.28	
9 0506 1.04		24 0401 1.07		9 0024 0.39		24 0548 1.23		9 0052 0.34		24 0042 0.18		9 0040 0.37		24 0100 0.30	
1033 0.54		0935 0.50		0630 1.12		1129 0.43		0710 1.34		0706 1.57		0707 1.45		0736 1.67	
MO 1712 1.45		TU 1611 1.51		WE 1206 0.54		TH 1750 1.58		SA 1313 0.46		SU 1321 0.26		MO 1332 0.43		TU 1414 0.24	
		2301 0.28		1829 1.39				1914 1.35		1923 1.47		1920 1.24		2004 1.25	
10 0002 0.37		25 0507 1.16		10 0103 0.35		25 0026 0.17		10 0127 0.32		25 0127 0.19		10 0115 0.36		25 0145 0.31	
0558 1.09		1043 0.42		0710 1.20		0641 1.36		0745 1.42		0754 1.67		0745 1.54		0823 1.73	
TU 1128 0.50		WE 1713 1.62		TH 1255 0.48		FR 1230 0.32		SU 1355 0.39		MO 1417 0.19		TU 1415 0.35		WE 1504 0.19	
1800 1.48		2355 0.17		1912 1.42		1848 1.63		1953 1.35		2016 1.43		2004 1.24		2056 1.23	
11 0043 0.33		26 0602 1.27		11 0138 0.31		26 0114 0.11		11 0159 0.31		26 0211 0.21		11 0152 0.35		26 0230 0.33	
0639 1.15		1143 0.31		0745 1.28		0730 1.49		0818 1.50		0840 1.75		0822 1.62		0908 1.76	
WE 1214 0.45		TH 1809 1.72		FR 1336 0.42		SA 1328 0.22		MO 1434 0.33		TU 1510 0.14		WE 1457 0.28		TH 1551 0.17	
1843 1.51				1949 1.45		1942 1.65		2031 1.34		2108 1.37		2048 1.24		☉ 2144 1.21	
12 0117 0.29		27 0044 0.08		12 0211 0.28		27 0159 0.09		12 0230 0.31		27 0253 0.25		12 0229 0.35		27 0313 0.36	
0715 1.21		0651 1.39		0818 1.35		0815 1.60		0852 1.56		0925 1.78		0901 1.69		0951 1.75	
TH 1255 0.41		FR 1237 0.21		SA 1415 0.36		SU 1423 0.14		TU 1514 0.29		WE 1600 0.13		TH 1539 0.22		FR 1634 0.18	
1920 1.54		1901 1.79		2025 1.46		2033 1.63		☉ 2111 1.32		☉ 2158 1.30		☉ 2133 1.23		2229 1.19	
13 0149 0.26		28 0130 0.03		13 0241 0.26		28 0242 0.10		13 0301 0.32		28 0335 0.31		13 0308 0.35		28 0355 0.40	
0749 1.27		0738 1.49		0850 1.41		0901 1.69		0927 1.62		1010 1.78		0942 1.74		1032 1.72	
FR 1332 0.37		SA 1331 0.14		SU 1452 0.33		MO 1516 0.10		WE 1553 0.26		TH 1650 0.15		FR 1622 0.19		SA 1715 0.21	
1955 1.55		1952 1.80		2100 1.45		☉ 2123 1.56		2151 1.29		2247 1.23		2219 1.22		2312 1.17	
14 0220 0.25		29 0215 0.02		14 0310 0.27		29 0324 0.15		14 0335 0.34		29 0417 0.38		14 0350 0.36		29 0436 0.44	
0821 1.31		0825 1.58		0923 1.46		0946 1.74		1003 1.65		1053 1.74		1025 1.77		1111 1.66	
SA 1408 0.35		SU 1425 0.10		MO 1529 0.30		TU 1610 0.09		TH 1634 0.24		FR 1738 0.20		SA 1708 0.17		SU 1756 0.26	
☉ 2028 1.54		☉ 2042 1.75		☉ 2135 1.42		2214 1.46		2233 1.25		2335 1.17		2307 1.21		2353 1.15	
15 0249 0.25		30 0258 0.05		15 0340 0.28		30 0406 0.22		15 0411 0.38		30 0500 0.45		15 0436 0.39		30 0516 0.48	
0854 1.35		0911 1.64		0956 1.50		1032 1.75		1042 1.66		1136 1.66		1111 1.76		1149 1.59	
SU 1445 0.34		MO 1519 0.09		TU 1607 0.29		WE 1702 0.12		FR 1718 0.25		SA 1826 0.26		SU 1757 0.17		MO 1835 0.31	
2101 1.51		2131 1.64		2212 1.37		2304 1.34		2319 1.20				2358 1.20			
				31 0448 0.31										31 0034 1.13	
				1117 1.71										TU 1227 1.51	
				TH 1756 0.19										1915 0.36	
				2356 1.22											

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols ● New Moon ☾ First Quarter ○ Full Moon ☾ Last Quarter