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CROOKHAVEN HEADS – NEW SOUTH WALES

LAT 34° 54' S LONG 150° 46' E

Times and Heights of High and Low Waters

2020

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0139 1.04		16 0150 1.20		1 0222 1.14		16 0315 1.34		1 0132 1.25		16 0242 1.41		1 0230 1.33		16 0317 1.34	
0659 0.55		0729 0.40		0814 0.56		0943 0.42		0746 0.50		0935 0.39		0932 0.46		1027 0.40	
WE 1321 1.33		TH 1345 1.46		SA 1411 1.13		SU 1534 1.08		SU 1340 1.09		MO 1528 1.02		WE 1533 0.99		TH 1645 1.07	
2017 0.33		2030 0.19		2042 0.40		☾ 2135 0.41		1944 0.47		☾ 2100 0.55		☾ 2056 0.63		2200 0.69	
2 0228 1.05		17 0246 1.23		2 0314 1.16		17 0418 1.35		2 0219 1.24		17 0345 1.37		2 0337 1.34		17 0423 1.32	
0752 0.59		0835 0.44		0920 0.58		1105 0.42		0846 0.52		1052 0.40		1044 0.42		1118 0.40	
TH 1406 1.24		FR 1443 1.33		SU 1507 1.04		MO 1652 1.00		MO 1435 1.01		TU 1650 0.98		TH 1650 1.02		FR 1736 1.13	
2100 0.35		☾ 2119 0.24		☾ 2130 0.44		2234 0.46		2030 0.52		2208 0.60		2214 0.62		2308 0.64	
3 0320 1.08		18 0346 1.27		3 0410 1.20		18 0524 1.37		3 0315 1.25		18 0455 1.35		3 0448 1.38		18 0520 1.32	
0856 0.62		0950 0.46		1036 0.56		1222 0.38		0959 0.52		1203 0.38		1149 0.36		1202 0.38	
FR 1458 1.16		SA 1547 1.20		MO 1617 0.98		TU 1811 0.98		TU 1547 0.96		WE 1807 1.00		FR 1759 1.10		SA 1818 1.20	
☾ 2145 0.37		2212 0.29		2223 0.46		2336 0.48		☾ 2131 0.55		2321 0.60		2328 0.56			
4 0415 1.12		19 0448 1.32		4 0508 1.26		19 0626 1.40		4 0418 1.28		19 0600 1.35		4 0554 1.46		19 0001 0.58	
1007 0.62		1111 0.44		1151 0.51		1326 0.33		1115 0.47		1300 0.36		1247 0.28		0609 1.33	
SA 1559 1.09		SU 1659 1.10		TU 1731 0.96		WE 1915 1.00		WE 1707 0.96		TH 1904 1.05		SA 1855 1.20		SU 1240 0.37	
2232 0.38		2305 0.33		2320 0.46				2242 0.55						1854 1.27	
5 0509 1.19		20 0548 1.38		5 0603 1.34		20 0035 0.48		5 0524 1.34		20 0026 0.57		5 0032 0.47		20 0046 0.52	
1122 0.58		1229 0.39		1256 0.42		0721 1.43		1223 0.39		0657 1.37		0553 1.54		0651 1.34	
SU 1704 1.04		MO 1811 1.05		WE 1838 0.99		TH 1416 0.28		TH 1818 1.01		FR 1346 0.33		SU 1238 0.21		MO 1313 0.37	
2319 0.39		2358 0.36				2006 1.05		2348 0.50		1949 1.12		1845 1.31		1927 1.33	
6 0559 1.26		21 0645 1.44		6 0015 0.43		21 0128 0.45		6 0625 1.43		21 0119 0.52		6 0030 0.37		21 0127 0.47	
1229 0.51		1335 0.32		0657 1.43		0809 1.46		1322 0.30		0745 1.40		0648 1.60		0730 1.34	
MO 1806 1.03		TU 1917 1.04		TH 1351 0.32		FR 1458 0.25		FR 1916 1.09		SA 1425 0.31		MO 1325 0.16		TU 1343 0.37	
				1935 1.04		2048 1.09				2027 1.17		1932 1.41		1958 1.39	
7 0005 0.38		22 0049 0.38		7 0108 0.39		22 0214 0.43		7 0048 0.43		22 0204 0.47		7 0126 0.28		22 0205 0.43	
0645 1.35		0738 1.50		0747 1.53		0851 1.48		0720 1.54		0825 1.41		0741 1.63		0807 1.33	
TU 1325 0.42		WE 1430 0.26		FR 1440 0.22		SA 1534 0.24		SA 1413 0.20		SU 1459 0.30		TU 1409 0.14		WE 1411 0.38	
1903 1.04		2015 1.05		2028 1.10		2126 1.13		2008 1.18		2100 1.23		2019 1.51		2029 1.44	
8 0049 0.37		23 0138 0.38		8 0158 0.34		23 0255 0.40		8 0144 0.35		23 0244 0.43		8 0221 0.22		23 0243 0.40	
0730 1.44		0826 1.53		0836 1.62		0929 1.49		0813 1.62		0902 1.42		0833 1.61		0844 1.31	
WE 1415 0.33		TH 1517 0.22		SA 1527 0.14		SU 1607 0.24		SU 1459 0.13		MO 1529 0.30		WE 1451 0.16		TH 1440 0.40	
1955 1.06		2102 1.06		2116 1.16		2200 1.16		2057 1.27		2131 1.27		☉ 2105 1.58		☾ 2100 1.48	
9 0133 0.36		24 0223 0.38		9 0248 0.30		24 0333 0.39		9 0237 0.28		24 0321 0.40		9 0315 0.18		24 0321 0.38	
0814 1.52		0909 1.56		0924 1.69		1004 1.49		0903 1.68		0937 1.41		0926 1.54		0920 1.27	
TH 1501 0.25		FR 1559 0.20		SU 1612 0.09		MO 1638 0.25		MO 1544 0.09		TU 1558 0.31		TH 1533 0.21		FR 1509 0.43	
2045 1.09		2145 1.08		☉ 2205 1.22		☾ 2232 1.19		2144 1.35		☾ 2201 1.31		2151 1.63		2132 1.51	
10 0217 0.34		25 0306 0.38		10 0339 0.26		25 0411 0.38		10 0330 0.22		25 0358 0.39		10 0412 0.18		25 0400 0.37	
0858 1.60		0949 1.56		1013 1.72		1037 1.46		0954 1.70		1011 1.39		1018 1.44		1000 1.23	
FR 1547 0.18		SA 1637 0.20		MO 1657 0.06		TU 1707 0.26		TU 1627 0.08		WE 1625 0.32		FR 1615 0.29		SA 1540 0.47	
2133 1.12		☾ 2225 1.10		2253 1.26		2305 1.21		☉ 2230 1.42		2233 1.35		2238 1.63		2207 1.52	
11 0302 0.33		26 0347 0.39		11 0431 0.24		26 0449 0.39		11 0423 0.19		26 0434 0.38		11 0509 0.21		26 0442 0.37	
0942 1.66		1027 1.54		1100 1.71		1110 1.42		1044 1.66		1045 1.35		1112 1.32		1040 1.18	
SA 1632 0.13		SU 1713 0.21		TU 1741 0.06		WE 1736 0.29		WE 1709 0.10		TH 1652 0.35		SA 1658 0.39		SU 1614 0.51	
☉ 2222 1.14		2302 1.10		2342 1.30		2339 1.23		2317 1.46		2305 1.37		2326 1.61		2243 1.51	
12 0349 0.32		27 0427 0.40		12 0525 0.25		27 0528 0.41		12 0518 0.20		27 0514 0.39		12 0609 0.26		27 0526 0.38	
1028 1.69		1102 1.51		1149 1.65		1144 1.36		1133 1.57		1119 1.29		1208 1.20		1125 1.13	
SU 1718 0.10		MO 1745 0.23		WE 1824 0.10		TH 1804 0.32		TH 1751 0.17		FR 1720 0.39		SU 1742 0.49		MO 1651 0.56	
2312 1.16		2338 1.11								2338 1.39				2322 1.49	
13 0440 0.32		28 0506 0.42		13 0031 1.32		28 0014 1.24		13 0005 1.49		28 0554 0.40		13 0015 1.55		28 0615 0.39	
1115 1.69		1136 1.46		0621 0.28		0610 0.43		0615 0.23		1157 1.22		0713 0.31		1215 1.09	
MO 1805 0.09		TU 1818 0.26		TH 1238 1.53		FR 1217 1.28		FR 1225 1.44		SA 1750 0.43		MO 1310 1.09		TU 1734 0.61	
				1908 0.16		1834 0.36		1833 0.26				1831 0.59			
14 0003 1.17		29 0015 1.11		14 0122 1.33		29 0051 1.25		14 0054 1.48		29 0014 1.39		14 0109 1.47		29 0007 1.45	
0532 0.33		0546 0.45		0721 0.33		0655 0.47		0715 0.28		0639 0.42		0819 0.36		0711 0.40	
TU 1203 1.65		WE 1211 1.40		FR 1330 1.39		SA 1256 1.19		SA 1318 1.28		SU 1237 1.15		TU 1420 1.03		WE 1315 1.06	
1852 0.10		1850 0.29		1954 0.25		1906 0.41		1916 0.36		1822 0.49		1930 0.66		1830 0.66	
15 0056 1.19		30 0054 1.12		15 0216 1.34				15 0145 1.45		30 0052 1.37		15 0210 1.39		30 0102 1.42	
0629 0.36		0630 0.48		0828 0.38				0822 0.34		0728 0.45		0925 0.39		0813 0.40	
WE 1253 1.57		TH 1246 1.32		SA 1427 1.23				SU 1417 1.13		MO 1324 1.08		WE 1537 1.03		TH 1422 1.07	
1940 0.14		1924 0.32		2042 0.33				2004 0.46		1900 0.55		☾ 2043 0.70		1937 0.67	
		31 0136 1.13						31 0136 1.35							
		0718 0.52						0825 0.46							
		FR 1325 1.23						TU 1421 1.02							
		2000 0.36						1950 0.60							

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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

CROOKHAVEN HEADS – NEW SOUTH WALES

LAT 34° 54' S LONG 150° 46' E

Times and Heights of High and Low Waters

2020

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0208	1.41	16 0334	1.28	1 0359	1.42	16 0435	1.16	1 0443	1.24	16 0450	1.02	1 0101	0.24	16 0033	0.32
0916	0.37	1024	0.42	1033	0.27	1048	0.43	1048	0.31	1041	0.44	0646	1.06	0618	1.01
FR 1531	1.12	SA 1651	1.19	MO 1700	1.40	TU 1726	1.34	WE 1728	1.53	TH 1725	1.39	SA 1209	0.39	SU 1145	0.42
☾ 2054	0.65	2233	0.68	2303	0.47	2351	0.56					1857	1.58	1826	1.50
2 0318	1.43	17 0432	1.26	2 0501	1.40	17 0529	1.14	2 0003	0.35	17 0013	0.45	2 0152	0.19	17 0120	0.23
1015	0.32	1107	0.42	1122	0.26	1128	0.43	0548	1.20	0548	1.03	0740	1.08	0707	1.07
SA 1633	1.21	SU 1734	1.26	TU 1751	1.51	WE 1806	1.42	TH 1137	0.33	FR 1127	0.44	SU 1300	0.39	MO 1235	0.37
2209	0.58	2332	0.62					1820	1.61	1810	1.46	1945	1.61	1913	1.58
3 0426	1.47	18 0524	1.25	3 0009	0.38	18 0040	0.49	3 0105	0.27	18 0100	0.37	3 0237	0.17	18 0203	0.16
1110	0.27	1145	0.41	0601	1.38	0618	1.13	0650	1.17	0640	1.05	0826	1.11	0754	1.13
SU 1728	1.32	MO 1813	1.33	WE 1209	0.27	TH 1206	0.43	FR 1226	0.36	SA 1211	0.43	MO 1346	0.39	TU 1324	0.32
2317	0.48			1841	1.61	1845	1.49	1911	1.66	1853	1.53	2028	1.61	1959	1.65
4 0526	1.50	19 0021	0.55	4 0109	0.29	19 0124	0.41	4 0201	0.21	19 0145	0.29	4 0318	0.17	19 0246	0.10
1200	0.23	0611	1.25	0700	1.34	0706	1.13	0748	1.16	0729	1.08	0909	1.12	0840	1.19
MO 1818	1.43	TU 1220	0.41	TH 1254	0.30	FR 1244	0.44	SA 1314	0.39	SU 1256	0.42	TU 1431	0.39	WE 1413	0.28
		1848	1.40	1930	1.69	1923	1.55	1959	1.69	1936	1.59	☾ 2109	1.58	☾ 2045	1.68
5 0018	0.38	20 0105	0.49	5 0206	0.22	20 0206	0.35	5 0252	0.18	20 0229	0.23	5 0356	0.18	20 0329	0.07
0623	1.52	0654	1.25	0759	1.30	0751	1.14	0842	1.15	0815	1.11	0948	1.14	0927	1.25
TU 1246	0.21	WE 1253	0.41	FR 1340	0.35	SA 1322	0.45	SU 1401	0.41	MO 1340	0.40	WE 1515	0.40	TH 1503	0.25
1906	1.54	1922	1.47	2016	1.74	2001	1.60	☾ 2045	1.70	2019	1.65	2146	1.54	2130	1.68
6 0116	0.29	21 0145	0.44	6 0301	0.19	21 0248	0.30	6 0340	0.17	21 0312	0.18	6 0430	0.21	21 0411	0.06
0718	1.51	0735	1.23	0855	1.25	0836	1.14	0930	1.14	0902	1.14	1027	1.15	1014	1.29
WE 1330	0.22	TH 1325	0.42	SA 1425	0.40	SU 1402	0.46	MO 1448	0.44	TU 1427	0.38	TH 1556	0.43	FR 1557	0.25
1953	1.63	1955	1.52	☾ 2103	1.75	☾ 2041	1.63	2130	1.67	☾ 2103	1.68	2222	1.48	2218	1.63
7 0213	0.22	22 0226	0.39	7 0354	0.18	22 0331	0.27	7 0425	0.19	22 0356	0.15	7 0503	0.24	22 0453	0.08
0814	1.46	0816	1.22	0949	1.21	0922	1.14	1017	1.13	0949	1.17	1104	1.15	1102	1.33
TH 1414	0.26	FR 1358	0.45	SU 1511	0.46	MO 1444	0.47	TU 1534	0.48	WE 1515	0.37	FR 1638	0.45	SA 1652	0.26
☾ 2040	1.70	2030	1.57	2150	1.73	2121	1.65	2212	1.62	2148	1.69	2258	1.40	2307	1.53
8 0309	0.19	23 0305	0.35	8 0445	0.20	23 0415	0.24	8 0507	0.22	23 0440	0.13	8 0536	0.28	23 0536	0.13
0909	1.39	0858	1.20	1042	1.17	1010	1.15	1102	1.13	1038	1.20	1143	1.16	1152	1.36
FR 1457	0.33	SA 1431	0.47	MO 1558	0.52	TU 1529	0.49	WE 1619	0.51	TH 1606	0.37	SA 1722	0.49	SU 1751	0.30
2126	1.73	☾ 2104	1.59	2235	1.67	2204	1.65	2252	1.55	2235	1.66	2333	1.31	2359	1.39
9 0404	0.18	24 0346	0.33	9 0536	0.23	24 0500	0.23	9 0546	0.26	24 0524	0.13	9 0608	0.32	24 0620	0.20
1004	1.31	0941	1.18	1132	1.13	1059	1.15	1145	1.12	1128	1.23	1223	1.17	1244	1.37
SA 1541	0.40	SU 1508	0.50	TU 1645	0.58	WE 1617	0.50	TH 1705	0.55	FR 1700	0.39	SU 1811	0.53	MO 1856	0.34
2213	1.72	2141	1.60	2319	1.59	2249	1.63	2330	1.46	2323	1.59				
10 0500	0.20	25 0429	0.32	10 0624	0.29	25 0548	0.23	10 0625	0.31	25 0609	0.15	10 0013	1.21	25 0055	1.23
1059	1.23	1026	1.15	1224	1.11	1150	1.16	1230	1.12	1219	1.25	0643	0.36	0707	0.29
SU 1625	0.49	MO 1547	0.54	WE 1734	0.63	TH 1711	0.52	FR 1753	0.59	SA 1759	0.41	MO 1307	1.19	TU 1340	1.38
2300	1.67	2220	1.60			2338	1.59				1906	0.56	2010	0.37	
11 0557	0.24	26 0515	0.32	11 0004	1.49	26 0637	0.23	11 0011	1.37	26 0014	1.49	11 0059	1.11	26 0201	1.09
1155	1.15	1115	1.13	0711	0.34	1245	1.18	0702	0.34	0655	0.19	0722	0.40	0800	0.37
MO 1712	0.57	TU 1630	0.57	TH 1315	1.10	FR 1809	0.54	SA 1315	1.13	SU 1313	1.29	TU 1356	1.20	WE 1442	1.38
2346	1.59	2303	1.57	1828	0.67			1845	0.62	1902	0.44	2012	0.57	☾ 2130	0.37
12 0654	0.30	27 0604	0.32	12 0051	1.40	27 0030	1.53	12 0054	1.27	27 0109	1.37	12 0155	1.01	27 0318	1.00
1253	1.10	1207	1.12	0756	0.38	0727	0.24	0742	0.37	0743	0.24	0808	0.44	0859	0.43
TU 1802	0.65	WE 1721	0.61	FR 1409	1.12	SA 1341	1.22	SU 1403	1.16	MO 1410	1.32	WE 1450	1.23	TH 1547	1.40
		2351	1.54	1928	0.70	1913	0.55	1946	0.64	☾ 2014	0.46	☾ 2126	0.55	2249	0.33
13 0036	1.50	28 0657	0.32	13 0142	1.31	28 0127	1.45	13 0144	1.18	28 0211	1.24	13 0304	0.95	28 0438	0.97
0750	0.35	1303	1.12	0840	0.40	0817	0.25	0823	0.40	0833	0.29	0900	0.47	1002	0.45
WE 1356	1.07	TH 1818	0.63	SA 1503	1.15	SU 1439	1.27	MO 1455	1.20	TU 1509	1.37	TH 1547	1.27	FR 1653	1.43
1900	0.71			☾ 2035	0.71	☾ 2024	0.54	☾ 2056	0.64	2133	0.44	2239	0.49	2356	0.27
14 0131	1.40	29 0045	1.50	14 0238	1.24	29 0230	1.37	14 0242	1.10	29 0321	1.13	14 0417	0.94	29 0547	0.99
0845	0.39	0752	0.32	0924	0.42	0908	0.27	0908	0.42	0926	0.34	0958	0.48	1105	0.45
TH 1500	1.08	FR 1405	1.15	SU 1555	1.20	MO 1536	1.35	TU 1546	1.25	WE 1609	1.43	FR 1644	1.34	SA 1751	1.46
2009	0.73	1925	0.64	2146	0.68	2140	0.51	2210	0.60	2252	0.39	2342	0.41		
15 0231	1.33	30 0146	1.46	15 0338	1.19	30 0336	1.30	15 0346	1.05	30 0435	1.07	15 0523	0.96	30 0049	0.22
0937	0.41	0848	0.31	1007	0.42	0958	0.29	0954	0.44	1021	0.37	1053	0.46	0642	1.04
FR 1600	1.12	SA 1507	1.21	MO 1642	1.27	TU 1632	1.44	WE 1637	1.32	TH 1708	1.49	SA 1736	1.42	SU 1202	0.42
☾ 2123	0.72	☾ 2038	0.62	2254	0.63	2255	0.44	2316	0.54					1843	1.49
		31 0253	1.43												
		0942	0.29												
		SU 1605	1.30												
		2153	0.56												
								31 0002	0.31					31 0134	0.19
								0545	1.05					0727	1.09
								FR 1115	0.39					MO 1252	0.39
								1804	1.54					1928	1.51

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

