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NAPIER BROOME BAY – WESTERN AUSTRALIA

LAT 14° 6' S LONG 126° 42' E

Times and Heights of High and Low Waters

2023

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0312 1.90 0943 0.69 SU 1728 2.44		16 0215 2.14 0842 0.59 MO 1559 2.36 2143 1.50		1 0923 1.02 1902 2.60 WE		16 0817 0.74 1703 2.71 TH		1 0132 1.68 0805 0.77 WE 1545 2.64		16 0119 1.69 0725 0.59 TH 1507 2.93		1 0427 1.09 1947 2.17 SA		16 0226 1.02 1909 2.34 SU	
2 0137 1.42 0422 1.51 MO 1039 0.85 1849 2.60		17 0234 1.80 0910 0.70 TU 1701 2.46		2 0420 0.94 2052 2.74 TH		17 0732 0.89 1930 2.75 FR		2 0724 1.02 1714 2.41 TH		17 0727 0.81 1613 2.69 FR		2 0350 0.90 1039 1.87 SU 1450 1.59 2109 2.37		17 0253 0.84 0945 1.92 MO 1432 1.45 2103 2.45	
3 0304 1.09 0714 1.30 TU 1205 0.97 2003 2.79		18 0940 0.84 1824 2.62 WE		3 0435 0.71 1055 1.51 FR 1354 1.30 2158 2.92		18 0431 0.78 1130 1.38 SA 1211 1.38 2147 3.03		3 0501 1.00 2037 2.47 FR		18 0600 0.98 1935 2.59 SA		3 0358 0.74 1030 2.10 MO 1523 1.30 2152 2.56		18 0318 0.70 1004 2.35 TU 1526 1.04 2203 2.55	
4 0349 0.80 0935 1.34 WE 1318 0.99 2111 2.97		19 0903 0.99 2010 2.84 TH		4 0456 0.55 1119 1.72 SA 1456 1.20 2241 3.07		19 0443 0.56 1115 1.69 SU 1420 1.29 2242 3.27		4 0428 0.81 1102 1.72 SA 1427 1.55 2145 2.69		19 0357 0.81 1054 1.68 SU 1321 1.61 2133 2.82		4 0411 0.63 1044 2.34 TU 1548 1.04 2225 2.68		19 0340 0.60 1034 2.75 WE 1606 0.72 2249 2.56	
5 0424 0.59 1037 1.45 TH 1410 0.96 2206 3.12		20 0417 0.77 1047 1.18 FR 1255 1.07 2152 3.12		5 0518 0.45 1143 1.90 SU 1539 1.08 2314 3.17		20 0506 0.41 1139 2.04 MO 1529 1.09 ● 2324 3.41		5 0438 0.64 1103 1.96 SU 1522 1.33 2224 2.88		20 0410 0.63 1047 2.05 MO 1511 1.29 2227 3.01		5 0422 0.57 1104 2.58 WE 1613 0.82 2256 2.74		20 0359 0.53 1106 3.08 TH 1641 0.52 ● 2328 2.48	
6 0455 0.46 1119 1.57 FR 1451 0.91 2249 3.21		21 0449 0.53 1120 1.40 SA 1408 1.02 2249 3.38		6 0537 0.39 1206 2.07 MO 1615 0.98 ○ 2342 3.22		21 0530 0.33 1206 2.39 TU 1622 0.90		6 0454 0.52 1120 2.18 MO 1554 1.12 2256 3.01		21 0430 0.51 1110 2.46 TU 1602 0.97 2310 3.09		6 0433 0.52 1127 2.81 TH 1639 0.65 ○ 2326 2.72		21 0414 0.47 1136 3.33 FR 1712 0.42	
7 0522 0.39 1151 1.67 SA 1528 0.87 ○ 2322 3.26		22 0522 0.36 1153 1.65 SU 1505 0.94 ● 2333 3.54		7 0555 0.35 1228 2.24 TU 1648 0.89		22 0002 3.41 0551 0.30 WE 1234 2.71 1707 0.76		7 0508 0.46 1139 2.39 TU 1623 0.94 ○ 2324 3.08		22 0450 0.44 1139 2.83 WE 1642 0.73 ● 2346 3.04		7 0444 0.49 1152 3.02 FR 1708 0.53 2355 2.63		22 0001 2.34 0430 0.41 SA 1205 3.47 1739 0.40	
8 0546 0.36 1219 1.77 SU 1602 0.84 2351 3.26		23 0553 0.26 1225 1.91 MO 1556 0.86		8 0007 3.21 0610 0.32 WE 1250 2.39 1720 0.83		23 0034 3.28 0607 0.28 TH 1302 2.97 1747 0.68		8 0522 0.41 1200 2.59 WE 1651 0.80 2350 3.08		23 0506 0.40 1207 3.14 TH 1715 0.58		8 0454 0.45 1217 3.19 SA 1736 0.48		23 0028 2.17 0450 0.35 SU 1229 3.50 1803 0.45	
9 0607 0.35 1244 1.87 MO 1636 0.83		24 0012 3.57 0621 0.22 TU 1256 2.18 1644 0.80		9 0031 3.16 0626 0.30 TH 1311 2.52 1751 0.80		24 0101 3.06 0619 0.25 FR 1326 3.15 1824 0.69		9 0534 0.39 1223 2.77 TH 1718 0.70		24 0018 2.89 0518 0.36 FR 1233 3.35 1746 0.53		9 0022 2.48 0506 0.40 SU 1242 3.32 1806 0.49		24 0047 2.01 0515 0.33 MO 1250 3.44 1829 0.52	
10 0017 3.22 0627 0.33 TU 1307 1.98 1710 0.85		25 0045 3.48 0645 0.22 WE 1325 2.42 1733 0.79		10 0052 3.05 0640 0.30 FR 1333 2.63 1822 0.80		25 0121 2.78 0637 0.24 SA 1349 3.24 1901 0.76		10 0014 3.01 0546 0.37 FR 1245 2.93 1746 0.64		25 0043 2.67 0533 0.31 SA 1257 3.47 1816 0.55		10 0045 2.29 0522 0.36 MO 1304 3.38 1837 0.55		25 0058 1.89 0541 0.38 TU 1308 3.30 1858 0.63	
11 0040 3.14 0649 0.31 WE 1330 2.07 1744 0.88		26 0114 3.26 0703 0.23 TH 1353 2.62 1821 0.83		11 0111 2.89 0654 0.31 SA 1355 2.71 1854 0.85		26 0133 2.49 0659 0.26 SU 1410 3.22 1938 0.92		11 0037 2.88 0556 0.35 SA 1307 3.05 1814 0.63		26 0102 2.44 0553 0.27 SU 1317 3.48 1845 0.63		11 0104 2.07 0543 0.34 TU 1325 3.37 1911 0.67		26 0109 1.79 0607 0.50 WE 1328 3.10 1931 0.77	
12 0102 3.03 0711 0.32 TH 1355 2.14 1819 0.94		27 0138 2.97 0721 0.25 FR 1420 2.75 1908 0.93		12 0125 2.68 0710 0.33 SU 1415 2.76 1930 0.95		27 0140 2.22 0723 0.36 MO 1434 3.10 ● 2017 1.13		12 0057 2.70 0608 0.33 SU 1328 3.13 1845 0.68		27 0110 2.23 0617 0.30 MO 1336 3.39 1916 0.77		12 0116 1.86 0608 0.38 WE 1344 3.30 1951 0.86		27 0128 1.67 0631 0.69 TH 1350 2.85 2009 0.94	
13 0122 2.88 0732 0.35 FR 1420 2.20 1856 1.02		28 0156 2.64 0743 0.30 SA 1448 2.81 ● 1956 1.09		13 0137 2.42 0728 0.37 MO 1438 2.80 2011 1.12		28 0148 1.95 0747 0.53 TU 1504 2.90 2102 1.40		13 0111 2.47 0624 0.32 MO 1347 3.17 1918 0.80		28 0116 2.05 0642 0.41 TU 1356 3.21 1949 0.96		13 0126 1.65 0634 0.51 TH 1409 3.13 ● 2045 1.09		28 0154 1.52 0647 0.94 FR 1416 2.55 ● 2059 1.14	
14 0140 2.68 0755 0.41 SA 1447 2.24 1938 1.15		29 0210 2.29 0809 0.40 SU 1521 2.78 2049 1.31		14 0146 2.14 0749 0.45 TU 1506 2.81 ● 2105 1.36				14 0118 2.22 0643 0.34 TU 1406 3.17 1956 0.99		29 0125 1.86 0704 0.60 WE 1420 2.95 ● 2027 1.20		14 0142 1.45 0659 0.73 FR 1446 2.86		29 0236 1.35 0614 1.18 SA 1452 2.23	
15 0157 2.43 0817 0.49 SU 1518 2.29 ● 2029 1.31		30 0225 1.93 0837 0.56 MO 1604 2.70 2210 1.54		15 0147 1.82 0809 0.57 WE 1550 2.77				15 0122 1.96 0705 0.43 WE 1430 3.09 ● 2046 1.25		30 0121 1.65 0716 0.85 TH 1448 2.64		15 0703 1.03 1554 2.52 SA		30 0201 1.15 1639 1.95 SU	
		31 0228 1.58 0905 0.78 TU 1713 2.60								31 0624 1.08 1536 2.31 FR					

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

Caution: Predictions are of secondary quality

NAPIER BROOME BAY – WESTERN AUSTRALIA

LAT 14° 6' S LONG 126° 42' E

2023

Times and Heights of High and Low Waters

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1	0232 0.98	16	0132 0.81	1	0130 0.82	16	0136 0.69	1	0019 0.78	16	0139 0.82	1	0144 0.87	16	0339 0.81
	0942 1.83		0816 2.11		0845 2.24		0901 2.77		0809 2.43		0940 2.71		1024 2.83		1103 2.72
MO	1426 1.55	TU	1429 1.17	TH	1500 0.89	FR	1557 0.44	SA	1534 0.63	SU	1638 0.31	TU	1657 0.21	WE	1716 0.20
	1949 1.98		2012 1.96		2025 1.62		2213 1.41		2137 1.08		2306 1.32		2334 1.38	●	2349 1.90
2	0252 0.85	17	0210 0.72	2	0158 0.75	17	0215 0.64	2	0118 0.74	17	0233 0.77	2	0248 0.76	17	0414 0.67
	0937 2.08		0906 2.50		0925 2.52		0959 2.94		0928 2.68		1035 2.81		1113 3.03		1133 2.75
TU	1459 1.24	WE	1521 0.80	FR	1537 0.64	SA	1635 0.31	SU	1618 0.41	MO	1710 0.24	WE	1728 0.11	TH	1732 0.18
	2053 2.11		2131 1.96		2145 1.58		2305 1.43		2253 1.15		2340 1.45	○			
3	0306 0.75	18	0240 0.64	3	0224 0.67	18	0249 0.59	3	0206 0.66	18	0317 0.71	3	0005 1.66	18	0012 2.07
	0955 2.34		0950 2.85		1009 2.79		1046 3.05		1032 2.92		1116 2.87		0342 0.63		0445 0.56
WE	1526 0.95	TH	1601 0.53	SA	1614 0.44	SU	1708 0.27	MO	1658 0.25	TU	1736 0.21	TH	1155 3.11	FR	1159 2.74
	2140 2.18		2228 1.94		2247 1.55	●	2344 1.45	○	2338 1.26	●			1757 0.06		1746 0.16
4	0319 0.68	19	0304 0.57	4	0249 0.58	19	0322 0.55	4	0251 0.59	19	0009 1.58	4	0036 1.95	19	0033 2.22
	1020 2.60		1031 3.11		1051 3.03		1125 3.09		1122 3.12		0356 0.65		0432 0.53		0515 0.49
TH	1554 0.70	FR	1636 0.37	SU	1652 0.32	MO	1737 0.27	TU	1739 0.16	WE	1148 2.86	FR	1231 3.07	SA	1221 2.68
	2223 2.20	●	2312 1.88	○	2334 1.52						1757 0.20		1821 0.05		1800 0.14
5	0331 0.61	20	0326 0.51	5	0318 0.50	20	0017 1.48	5	0017 1.40	20	0036 1.70	5	0105 2.22	20	0054 2.35
	1049 2.86		1108 3.27		1132 3.21		0355 0.52		0334 0.53		0433 0.60		0521 0.47		0546 0.44
FR	1624 0.52	SA	1707 0.32	MO	1732 0.25	TU	1157 3.05	WE	1203 3.22	TH	1215 2.82	SA	1303 2.91	SU	1243 2.58
	2302 2.15		2348 1.80		1801 0.29				1817 0.11		1815 0.19		1840 0.05		1816 0.13
6	0345 0.55	21	0350 0.45	6	0016 1.50	21	0045 1.53	6	0051 1.57	21	0058 1.83	6	0134 2.45	21	0115 2.45
	1120 3.09		1140 3.33		0349 0.44		0429 0.53		0418 0.51		0510 0.58		0609 0.46		0616 0.44
SA	1656 0.40	SU	1734 0.33	TU	1209 3.32	WE	1223 2.97	TH	1240 3.21	FR	1238 2.75	SU	1331 2.66	MO	1302 2.44
○	2339 2.06				1812 0.24		1823 0.30		1850 0.10		1833 0.17		1857 0.05		1831 0.14
7	0401 0.48	22	0019 1.71	7	0053 1.50	22	0109 1.59	7	0124 1.75	22	0120 1.94	7	0201 2.61	22	0136 2.52
	1151 3.27		0416 0.41		0423 0.42		0504 0.57		0505 0.52		0546 0.58		0656 0.51		0647 0.47
SU	1729 0.35	MO	1208 3.31	WE	1244 3.33	TH	1246 2.86	FR	1313 3.08	SA	1259 2.64	MO	1354 2.35	TU	1320 2.26
			1758 0.37		1852 0.26		1847 0.30		1919 0.11		1854 0.16		1918 0.08		1846 0.17
8	0014 1.94	23	0045 1.65	8	0128 1.53	23	0132 1.65	8	0156 1.92	23	0142 2.03	8	0227 2.69	23	0156 2.55
	0421 0.41		0444 0.42		0501 0.46		0541 0.64		0555 0.58		0622 0.61		0743 0.62		0720 0.56
MO	1221 3.38	TU	1231 3.22	TH	1316 3.23	FR	1308 2.72	SA	1344 2.86	SU	1320 2.51	TU	1411 2.01	WE	1333 2.03
	1803 0.37		1821 0.42		1931 0.30		1916 0.31		1944 0.14		1916 0.17	●	1944 0.15		1903 0.21
9	0046 1.80	24	0105 1.61	9	0202 1.57	24	0158 1.70	9	0227 2.08	24	0205 2.09	9	0257 2.68	24	0215 2.56
	0447 0.37		0515 0.48		0542 0.57		0619 0.75		0649 0.68		0659 0.66		0833 0.81		0757 0.70
TU	1250 3.42	WE	1252 3.07	FR	1346 3.03	SA	1330 2.56	SU	1411 2.55	MO	1339 2.34	WE	1427 1.67	TH	1342 1.78
	1839 0.42		1850 0.48		2009 0.37		1947 0.34		2009 0.20		1938 0.21		2013 0.29	●	1922 0.28
10	0116 1.67	25	0125 1.60	10	0239 1.64	25	0227 1.73	10	0300 2.20	25	0229 2.12	10	0333 2.58	25	0239 2.55
	0515 0.38		0545 0.60		0630 0.74		0659 0.87		0748 0.82		0738 0.75		0937 1.04		0844 0.91
WE	1316 3.36	TH	1313 2.89	SA	1415 2.75	SU	1355 2.37	MO	1438 2.19	TU	1359 2.12	TH	1447 1.33	FR	1348 1.50
	1918 0.52		1923 0.54		2049 0.45		2020 0.40	●	2038 0.28		2000 0.28		2041 0.49		1941 0.39
11	0145 1.55	26	0151 1.57	11	0321 1.72	26	0300 1.74	11	0339 2.28	26	0256 2.14	11	0425 2.43	26	0313 2.48
	0546 0.47		0616 0.77		0728 0.97		0746 1.00		0855 0.99		0822 0.88		2105 0.74		1005 1.15
TH	1340 3.21	FR	1337 2.68	SU	1451 2.40	MO	1422 2.14	TU	1509 1.81	WE	1418 1.86	FR		SA	1255 1.22
	2002 0.65		2001 0.64	●	2135 0.55	●	2053 0.50		2112 0.40	●	2022 0.37				1953 0.55
12	0217 1.46	27	0227 1.52	12	0418 1.84	27	0341 1.75	12	0431 2.32	27	0328 2.16	12	0553 2.31	27	0411 2.38
	0621 0.65		0647 0.97		0846 1.21		0843 1.15		1109 1.13		0919 1.04		1543 0.72		1916 0.71
FR	1408 2.97	SA	1403 2.43	MO	1542 2.01	TU	1454 1.88	WE	1557 1.43	TH	1439 1.56	SA		SU	
●	2058 0.80	●	2046 0.75		2235 0.65		2130 0.60		2154 0.56		2046 0.48				
13	0305 1.41	28	0316 1.47	13	0536 2.02	28	0439 1.81	13	0540 2.38	28	0414 2.19	13	0757 2.33	28	0606 2.33
	0702 0.92		0721 1.19		1230 1.29		1013 1.27		1403 0.95		1128 1.18		1607 0.49		1558 0.60
SA	1447 2.64	SU	1437 2.16	TU	1713 1.67	WE	1543 1.60	TH	1743 1.12	FR	1505 1.24	SU	2237 1.27	MO	
	2242 0.92		2145 0.86		2347 0.71		2213 0.70		2254 0.72		2111 0.60				
14	0437 1.43	29	0457 1.47	14	0652 2.28	29	0553 1.96	14	0657 2.46	29	0524 2.26	14	0139 1.11	29	0904 2.49
	0756 1.26		0829 1.42		1414 0.98		1327 1.17		1517 0.67		2118 0.74		0933 2.48		1611 0.39
SU	1556 2.26	MO	1532 1.89	WE	1906 1.47	TH	1706 1.34	FR	2041 1.04	SA		MO	1632 0.33	TU	2252 1.44
			2329 0.92				2310 0.77						2300 1.51		
15	0037 0.89	30	0732 1.69	15	0048 0.72	30	0704 2.18	15	0026 0.82	30	0654 2.38	15	0255 0.97	30	0205 1.09
	0706 1.71		1309 1.47		0758 2.54		1445 0.89		0820 2.58		1554 0.62		1025 2.63		1013 2.74
MO	1245 1.55	TU	1727 1.69	TH	1513 0.67	FR	1840 1.17	SA	1602 0.45	SU	2244 0.92	TU	1656 0.24	WE	1634 0.24
	1818 2.00				2053 1.40				2219 1.17				2325 1.72		2313 1.79
		31	0052 0.89					31	0006 0.90					31	0316 0.84
			0810 1.96						0907 2.58						1101 2.89
			WE 1420 1.18						MO 1625 0.38						TH 1657 0.16
			1911 1.64						2303 1.13					○	2341 2.15

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

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