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ESPERANCE – WESTERN AUSTRALIA

LAT 33° 52' LONG 121° 54'

Times and Heights of High and Low Waters

2016

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0027 0.83		16 0055 0.74		1 0709 0.41		16 0534 0.31		1 0618 0.40		16 0500 0.30		1 0422 0.44		16 0409 0.45	
0808 0.41		0812 0.44		1510 0.74		2007 0.84		1356 0.86		1309 0.84		1456 0.86		1134 0.83	
FR 1338 0.61		SA 2048 0.66		MO		TU		TU		WE 1719 0.78		FR		SA 1605 0.73	
1717 0.56				☉				☉		1949 0.83				2048 0.86	
2 0041 0.77		17 0739 0.44		2 0640 0.41		17 0544 0.28		2 0559 0.41		17 0514 0.30		2 0402 0.41		17 0405 0.48	
0827 0.43		1937 0.75		2013 0.80		1435 0.69		1438 0.83		1329 0.78		2009 0.93		1103 0.82	
SA 2312 0.72		SU		TU		WE 1502 0.69		WE		TH 1545 0.75		SA		SU 1603 0.68	
☉		☉				2048 0.92		☉		2038 0.88				2119 0.88	
3 0838 0.46		18 0600 0.40		3 0555 0.40		18 0527 0.27		3 0518 0.40		18 0454 0.33		3 0358 0.37		18 0346 0.48	
2034 0.76		2014 0.86		2034 0.89		2125 0.98		2002 0.86		1205 0.74		1036 0.77		1018 0.86	
SU		MO		WE		TH		TH		FR 1551 0.69		SU		MO 1555 0.61	
										2113 0.93		2056 1.00		2142 0.89	
4 0659 0.47		19 0551 0.34		4 0515 0.35		19 0524 0.26		4 0449 0.36		19 0450 0.35		4 0406 0.34		19 0344 0.47	
2036 0.84		2052 0.95		2101 0.98		1219 0.62		2041 0.95		1147 0.72		1020 0.83		1016 0.93	
MO		TU		TH		FR 1500 0.57		FR		SA 1540 0.62		MO		TU 1613 0.55	
						2157 1.02				2143 0.96		1526 0.55		2159 0.90	
5 0520 0.45		20 0522 0.28		5 0515 0.30		20 0532 0.27		5 0445 0.31		20 0449 0.36		5 0421 0.33		20 0359 0.46	
1047 0.52		2128 1.03		1117 0.59		1138 0.62		1113 0.67		1103 0.74		1034 0.90		1015 1.00	
TU 1245 0.52		WE		FR 1431 0.53		SA 1538 0.51		SA 1438 0.60		SU 1549 0.55		TU		WE 1639 0.50	
2051 0.93				2131 1.06		2223 1.04		2117 1.04		2206 0.97		2218 1.05		2218 0.90	
6 0508 0.38		21 0536 0.24		6 0520 0.24		21 0532 0.28		6 0450 0.26		21 0441 0.37		6 0440 0.34		21 0413 0.46	
1031 0.55		2203 1.08		1115 0.61		1137 0.65		1058 0.71		1059 0.79		1056 0.97		1027 1.06	
WE 1356 0.50		TH		SA 1515 0.48		SU 1610 0.46		SU 1523 0.51		MO 1614 0.49		WE		TH 1706 0.46	
2112 1.01				2204 1.13		2239 1.04		2153 1.10		2221 0.97		2256 1.00		2240 0.88	
7 0515 0.32		22 0555 0.22		7 0534 0.21		22 0534 0.28		7 0503 0.23		22 0449 0.36		7 0502 0.37		22 0423 0.47	
1048 0.57		1152 0.54		1130 0.64		1133 0.68		1108 0.75		1054 0.84		1118 1.03		1046 1.12	
TH 1436 0.47		FR 1524 0.48		SU 1554 0.42		MO 1637 0.42		MO 1603 0.43		TU 1641 0.45		TH		FR 1733 0.44	
2138 1.08		2230 1.10		2237 1.16		2254 1.03		2229 1.12		2235 0.97		☉ 2329 0.91		☉ 2305 0.85	
8 0526 0.27		23 0606 0.23		8 0554 0.19		23 0548 0.29		8 0522 0.23		23 0503 0.37		8 0522 0.42		23 0432 0.47	
1109 0.58		1205 0.55		1151 0.66		1127 0.73		1127 0.80		1058 0.90		1137 1.08		1108 1.16	
FR 1510 0.44		SA 1553 0.44		MO 1631 0.38		TU 1657 0.40		TU 1643 0.37		WE 1706 0.42		FR		SA 1801 0.44	
2207 1.13		2249 1.09		☉ 2310 1.15		☉ 2315 1.00		2303 1.10		☉ 2256 0.95		2351 0.79		2327 0.81	
9 0545 0.22		24 0611 0.24		9 0618 0.20		24 0604 0.31		9 0544 0.26		24 0516 0.38		9 0532 0.48		24 0442 0.48	
1133 0.58		1209 0.55		1212 0.68		1141 0.78		1148 0.84		1114 0.96		1156 1.10		1131 1.18	
SA 1541 0.41		SU 1606 0.42		TU 1709 0.36		WE 1715 0.40		WE 1724 0.34		TH 1732 0.41		SA		SU 1831 0.46	
2238 1.16		☉ 2307 1.08		2340 1.10		2336 0.96		☉ 2334 1.02		2319 0.91		SA 1855 0.40		2346 0.76	
10 0610 0.20		25 0626 0.26		10 0643 0.23		25 0614 0.33		10 0607 0.31		25 0524 0.39		10 0005 0.67		25 0451 0.49	
1158 0.58		1151 0.58		1231 0.70		1201 0.82		1206 0.88		1134 1.00		0451 0.50		1154 1.18	
SU 1611 0.39		MO 1621 0.40		WE 1748 0.37		TH 1739 0.41		TH 1805 0.35		FR 1757 0.42		SU		MO 1903 0.49	
☉ 2310 1.17		2330 1.04				2353 0.91		2358 0.91		2338 0.86		1921 0.48		2358 0.71	
11 0638 0.20		26 0644 0.29		11 0009 1.01		26 0621 0.34		11 0626 0.37		26 0530 0.40		11 0006 0.57		26 0457 0.50	
1223 0.57		1202 0.62		0706 0.29		1221 0.86		1222 0.91		1155 1.03		0435 0.47		1218 1.16	
MO 1641 0.39		TU 1648 0.40		TH 1249 0.72		FR 1807 0.44		FR 1849 0.40		SA 1824 0.44		MO		TU 1937 0.53	
2343 1.13		2353 1.00		1828 0.42						2351 0.80		1243 1.07			
12 0708 0.23		27 0659 0.31		12 0033 0.90		27 0000 0.85		12 0018 0.78		27 0536 0.41		12 0340 0.41		27 0002 0.67	
1247 0.57		1222 0.66		0727 0.35		0628 0.36		0629 0.43		1216 1.05		1250 1.02		0458 0.51	
TU 1708 0.40		WE 1717 0.41		FR 1311 0.74		SA 1240 0.88		SA 1244 0.93		SU 1854 0.48		TU		WE 1243 1.13	
				1911 0.48		1836 0.48		1935 0.47		2355 0.75					
13 0014 1.07		28 0007 0.94		13 0050 0.77		28 0005 0.79		13 0026 0.66		28 0539 0.43		13 0401 0.37		28 0445 0.53	
0737 0.27		0707 0.33		0717 0.41		0632 0.37		0543 0.43		1237 1.04		1224 0.98		1310 1.08	
WE 1310 0.57		TH 1243 0.69		SA 1337 0.76		SU 1302 0.89		SU 1307 0.93		MO 1925 0.53		WE		TH	
1735 0.44		1746 0.45				1905 0.54				2353 0.70					
14 0044 0.97		29 0009 0.88		14 0638 0.41		29 0006 0.74		14 0510 0.40		29 0539 0.44		14 0425 0.37		29 0408 0.53	
0806 0.32		0713 0.35		1408 0.77		0629 0.39		1323 0.91		1259 1.02		1243 0.93		1341 1.02	
TH 1337 0.59		FR 1302 0.72		SU		MO 1326 0.88		MO		TU 2005 0.58		TH		FR	
1802 0.49		1813 0.50								2323 0.66		☉ 1902 0.81			
15 0109 0.86		30 0017 0.83		15 0539 0.37				15 0442 0.33		30 0529 0.45		15 0434 0.41		30 0314 0.52	
0830 0.38		0723 0.36		1451 0.76				1252 0.88		1325 0.99		1257 0.86		1431 0.93	
FR 1415 0.60		SA 1328 0.74		MO 1704 0.74				TU		WE		FR		SA	
1830 0.56		1833 0.56		☉ 1901 0.76								1733 0.78		☉	
												2008 0.83			
		31 0025 0.76								31 0508 0.46					
		0728 0.39								1355 0.93					
		SU 1403 0.74								☉					

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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

ESPERANCE – WESTERN AUSTRALIA

LAT 33° 52' LONG 121° 54'

Times and Heights of High and Low Waters

2016

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0258 0.49		16 0252 0.61		1 0211 0.57		16 0141 0.64		1 0151 0.64		16 0121 0.65		1 0305 0.59		16 0255 0.56	
1101 0.82		0958 0.89		0858 1.04		0859 1.06		0910 1.16		0859 1.10		1021 1.20		0948 1.15	
SU 1252 0.82		MO 1621 0.73		WE 1547 0.59		TH 1642 0.61		FR 1704 0.45		SA 1710 0.50		MO 1758 0.34		TU 1715 0.34	
1923 0.90		2048 0.80		2119 0.84		2141 0.74		2242 0.70		2231 0.69		2348 0.66		2301 0.71	
2 0302 0.47		17 0224 0.59		2 0239 0.57		17 0211 0.62		2 0231 0.63		17 0213 0.62		2 0342 0.55		17 0333 0.50	
0935 0.87		0931 0.96		0928 1.14		0915 1.14		0948 1.23		0926 1.17		1048 1.20		1020 1.19	
MO 1440 0.70		TU 1611 0.66		TH 1628 0.49		FR 1651 0.55		SA 1739 0.39		SU 1720 0.45		TU 1806 0.36		WE 1734 0.32	
2032 0.94		2117 0.81		2215 0.81		2211 0.75		2325 0.69		2251 0.71		2320 0.73			
3 0314 0.45		18 0245 0.57		3 0307 0.58		18 0238 0.61		3 0304 0.62		18 0251 0.59		3 1106 1.17		18 0410 0.45	
0936 0.95		0933 1.03		1000 1.22		0937 1.20		1023 1.27		0955 1.22		1817 0.39		1052 1.20	
TU 1527 0.58		WE 1616 0.60		FR 1708 0.42		SA 1711 0.50		SU 1809 0.37		MO 1735 0.41		WE 2348 0.66		TH 1756 0.31	
2124 0.96		2142 0.82		2307 0.77		2239 0.75				2312 0.71		●		○ 2341 0.75	
4 0331 0.45		19 0305 0.56		4 0331 0.59		19 0303 0.59		4 0005 0.67		19 0324 0.56		4 0415 0.51		19 0447 0.43	
0958 1.05		0941 1.10		1030 1.28		1004 1.25		0321 0.60		1026 1.26		1125 1.13		1124 1.16	
WE 1609 0.48		TH 1638 0.54		SA 1748 0.39		SU 1735 0.46		MO 1051 1.28		TU 1756 0.38		TH 1836 0.42		FR 1821 0.34	
2211 0.94		2206 0.83		2357 0.71		2306 0.74		● 1833 0.38		2335 0.71		2346 0.70			
5 0353 0.47		20 0321 0.55		5 0338 0.60		20 0327 0.57		5 0039 0.64		20 0356 0.53		5 0436 0.50		20 0002 0.77	
1025 1.13		0958 1.17		1056 1.30		1032 1.28		0321 0.58		1058 1.27		1148 1.08		0527 0.42	
TH 1651 0.41		FR 1704 0.50		SU 1827 0.39		MO 1802 0.44		TU 1115 1.25		WE 1822 0.38		FR 1852 0.45		SA 1153 1.09	
2255 0.88		2232 0.82		●		○ 2332 0.73		1852 0.41		○ 2359 0.71				1845 0.38	
6 0416 0.50		21 0336 0.55		6 0045 0.64		21 0350 0.56		6 0057 0.62		21 0427 0.52		6 0005 0.74		21 0024 0.79	
1049 1.19		1021 1.22		0324 0.59		1101 1.29		0343 0.57		1130 1.25		0504 0.51		0608 0.45	
FR 1734 0.37		SA 1732 0.47		MO 1122 1.28		TU 1832 0.44		WE 1140 1.21		TH 1850 0.39		SA 1207 1.02		SU 1220 0.99	
2337 0.79		2259 0.79		1904 0.43		2358 0.71		1914 0.46				1901 0.47		1908 0.43	
7 0432 0.54		22 0351 0.54		7 0138 0.59		22 0413 0.56		7 0010 0.62		22 0023 0.71		7 0026 0.78		22 0048 0.81	
1112 1.23		1045 1.26		0331 0.57		1133 1.28		0411 0.56		0458 0.52		0536 0.54		0654 0.50	
SA 1816 0.38		SU 1802 0.46		TU 1149 1.24		WE 1904 0.45		TH 1205 1.15		FR 1202 1.20		SU 1208 0.95		MO 1243 0.86	
●		○ 2324 0.76		1940 0.48				1937 0.50		1918 0.41		1859 0.48		1917 0.49	
8 0007 0.69		23 0406 0.54		8 1217 1.18		23 0026 0.69		8 0025 0.65		23 0048 0.72		8 0043 0.81		23 0117 0.82	
0408 0.56		1112 1.27		2016 0.54		0437 0.57		0438 0.57		0529 0.54		0607 0.58		0751 0.58	
SU 1135 1.23		MO 1833 0.46		WE		TH 1205 1.25		FR 1225 1.08		SA 1232 1.12		MO 1206 0.90		TU 1247 0.74	
1859 0.42		2349 0.73				1937 0.47		1955 0.54		1947 0.46		1906 0.49		1831 0.50	
9 0002 0.60		24 0421 0.55		9 1235 1.11		24 0056 0.68		9 0042 0.69		24 0117 0.73		9 0107 0.83		24 0151 0.82	
0357 0.54		1139 1.26		2050 0.60		0500 0.59		0455 0.60		0601 0.59		0636 0.64		0746 0.48	
MO 1201 1.21		TU 1906 0.48		TH 2301 0.63		FR 1237 1.19		SA 1217 1.02		SU 1301 1.02		TU 1217 0.85		WE	
1946 0.49						2013 0.50		1956 0.56		2014 0.51		1913 0.50			
10 1226 1.16		25 0012 0.70		10 0329 0.56		25 0134 0.67		10 0039 0.73		25 0154 0.74		10 0144 0.83		25 0238 0.81	
2040 0.56		0434 0.56		1210 1.05		0519 0.63		0454 0.64		0637 0.65		0659 0.71		1709 0.42	
TU 2150 0.57		WE 1207 1.23		FR		SA 1310 1.11		SU 1218 0.97		MO 1323 0.91		WE 1205 0.79		TH	
		1942 0.51				2051 0.54		1955 0.57		2031 0.56		1854 0.52		●	
11 0258 0.46		26 0035 0.66		11 0404 0.60		26 0239 0.68		11 0118 0.76		26 0246 0.77		11 0244 0.83		26 0728 0.86	
1236 1.09		0441 0.57		1225 1.00		0354 0.68		0515 0.70		0735 0.73		1830 0.52		1715 0.37	
WE		TH 1238 1.19		SA 2055 0.66		SU 1342 1.02		MO 1236 0.91		TU 1229 0.80		TH		FR	
		2023 0.55				2136 0.58		2012 0.58		1947 0.58		●			
12 0332 0.46		27 0102 0.63		12 0038 0.69		27 1403 0.90		12 1231 0.85		27 0641 0.83		12 0756 0.86		27 0820 0.95	
1210 1.04		0421 0.60		0422 0.66		2237 0.62		2029 0.60		1805 0.57		1751 0.51		1657 0.34	
TH		FR 1309 1.13		SU 1247 0.94		MO		TU		WE		FR		SA	
		2119 0.58		● 2110 0.66				●		●					
13 0400 0.49		28 0211 0.61		13 1107 0.88		28 0736 0.85		13 0815 0.87		28 0737 0.93		13 0821 0.94		28 0902 1.01	
1231 0.98		0301 0.61						1911 0.61		1740 0.51		1702 0.47		1700 0.32	
FR		SA 1344 1.05		MO		TU		WE		TH		SA		SU 2351 0.66	
						●									
14 0351 0.54		29 0112 0.59		14 0016 0.66		29 0001 0.64		14 0820 0.94		29 0822 1.02		14 0848 1.02		29 0236 0.60	
1250 0.92		1430 0.95		0855 0.91		0758 0.96		1812 0.61		1701 0.43		1701 0.42		0940 1.06	
SA		SU		TU		WE 1606 0.66		TH		FR		SU 2247 0.67		MO 1713 0.32	
●		●				2026 0.71								2310 0.66	
15 0322 0.58		30 0137 0.58		15 0104 0.65		30 0104 0.65		15 0836 1.02		30 0905 1.11		15 0212 0.62		30 0318 0.54	
1110 0.88		0927 0.85		0851 0.98		0833 1.06		1708 0.56		1715 0.37		0917 1.09		1012 1.08	
SU		MO 1221 0.83		WE 1647 0.67		TH 1630 0.54		FR 2218 0.67		SA		MO 1705 0.38		TU 1720 0.33	
		1713 0.85		2106 0.73		2150 0.71						2247 0.69		2313 0.68	
		31 0151 0.57								31 0945 1.17				31 0353 0.48	
		0836 0.94								1739 0.34				1035 1.07	
		TU 1502 0.71								SU 2335 0.65				WE 1721 0.35	
		2014 0.84												2315 0.71	

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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

