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AUSTRALIA, WEST COAST – BUNBURY

2015

LAT 33° 19' LONG 115° 39'

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

Time	m	Time	m	Time	m	Time	m
1	0503 0.28 1924 0.90	9	0547 0.32 1529 0.59 1659 0.57 2327 0.74	17	0455 0.29 1935 0.95	25	0537 0.41 1527 0.71 1746 0.61 * 1936 0.66
TH		FR		SA		SU	
2	0529 0.27 1950 0.91	10	0615 0.33 1247 0.60 1405 0.59 * 2050 0.70	18	0419 0.24 2009 0.97	26	0602 0.40 1614 0.76
FR		SA		SU		MO	
3	0450 0.25 1935 0.92	11	0642 0.35 1652 0.66 1849 0.63 * 2108 0.68	19	0451 0.19 2034 0.97	27	0248 0.38 0442 0.43 0623 0.39 * 1700 0.80
SA		SU		MO		TU	
4	0518 0.24 1157 0.53 1243 0.53 2000 0.92	12	0703 0.38 1719 0.70	20	0530 0.17 1149 0.57 1333 0.54 2042 0.95	28	0333 0.32 1746 0.83
SU		MO		TU		WE	
5	0556 0.24 2038 0.91	13	0717 0.40 1739 0.74	21	0611 0.18 1225 0.59 1430 0.52 2107 0.90	29	0416 0.28 1831 0.86
MO		TU		WE		TH	
6	0632 0.26 1305 0.55 1442 0.53 2118 0.88	14	0449 0.43 1802 0.80	22	0652 0.21 1307 0.61 1518 0.52 * 2142 0.83	30	0456 0.27 1913 0.88
TU		WE		TH		FR	
7	0706 0.29 1350 0.56 1529 0.54 2200 0.84	15	0444 0.39 1830 0.85	23	0734 0.28 1352 0.64 1607 0.53 * 2219 0.74	31	0525 0.28 1945 0.88
WE		TH		FR		SA	
8	0525 0.32 1439 0.57 1613 0.55 2244 0.79	16	0451 0.34 1902 0.90	24	0815 0.37 1439 0.68 1656 0.57 * 1907 0.66		
TH		FR		SA			

FEBRUARY

Time	m	Time	m	Time	m	Time	m
1	0428 0.29 1932 0.88	9	0606 0.39 1248 0.73 1835 0.59 * 2049 0.64	17	0416 0.24 1113 0.64 1200 0.60 2058 0.95	25	0224 0.35 1302 0.82 1448 0.78 1628 0.81
SU		MO		TU		WE	
2	0453 0.29 1126 0.57 1249 0.56 1953 0.89	10	0624 0.41 1319 0.76 1930 0.61 * 2051 0.62	18	0457 0.24 1113 0.64 1352 0.57 2205 0.91	26	0310 0.32 1350 0.82 1530 0.79 1719 0.82
MO		TU		WE		TH	
3	0528 0.30 1153 0.59 1400 0.55 2030 0.88	11	0636 0.43 1348 0.78	19	0538 0.27 1148 0.67 1437 0.54 2323 0.84	27	0353 0.31 1449 0.80 1607 0.79 1811 0.83
TU		WE		TH		FR	
4	0600 0.32 1228 0.60 1450 0.54 2113 0.86	12	0358 0.42 0555 0.45 0645 0.44 1423 0.81	20	0619 0.33 1230 0.71 1521 0.53	28	0431 0.33 1859 0.84
WE		TH		FR		SA	
5	0430 0.35 1304 0.61 1536 0.53 2155 0.82	13	0405 0.38 1509 0.83	21	0032 0.75 0700 0.41 1315 0.74 1936 0.56		
TH		FR		SA			
6	0447 0.35 1127 0.62 1620 0.54 2237 0.77	14	0420 0.34 1840 0.90	22	0135 0.66 0431 0.45 1400 0.77		
FR		SA		SU			
7	0515 0.35 1146 0.66 1703 0.55 * 2318 0.72	15	0432 0.30 1922 0.94	23	0042 0.51 0236 0.56 0459 0.44 * 1447 0.79		
SA		SU		MO			
8	0542 0.37 1216 0.70 1748 0.57 2031 0.67	16	0340 0.27 2007 0.96	24	0134 0.42 0337 0.49 0527 0.43 1537 0.80		
SU		MO		TU			

MARCH

Time	m	Time	m	Time	m	Time	m
1	0454 0.37 1939 0.84	9	0501 0.45 1141 0.83 1739 0.54 2345 0.64	17	0244 0.35 1135 0.69 1333 0.67 1956 0.93	25	0105 0.42 0335 0.53 0449 0.51 1149 0.92
SU		MO		TU		WE	
2	0340 0.38 1952 0.84	10	0524 0.47 1210 0.85 1819 0.56 * 2020 0.60	18	0330 0.36 1003 0.70 1428 0.62 2100 0.91	26	0156 0.39 1230 0.91
MO		TU		WE		TH	
3	0412 0.38 1045 0.65 1315 0.61 1950 0.84	11	0539 0.49 1236 0.87 2310 0.51 *	19	0413 0.39 1030 0.76 1552 0.58 2215 0.86	27	0242 0.39 1315 0.88 1536 0.81 1643 0.82
TU		WE		TH		FR	
4	0443 0.40 1113 0.68 1410 0.58 2027 0.84	12	0043 0.53 0256 0.48 1302 0.88 2349 0.47	20	0456 0.44 1110 0.81 1714 0.54 2326 0.79	28	0323 0.41 1405 0.84
WE		TH		FR		SA	
5	0330 0.43 1140 0.69 1455 0.55 2107 0.82	13	0108 0.48 0305 0.45 1334 0.88	21	0537 0.51 1152 0.85 1820 0.51 *	29	0357 0.45 1509 0.80 1650 0.79 * 1833 0.80
TH		FR		SA		SU	
6	0341 0.43 1038 0.71 1537 0.53 2149 0.79	14	0321 0.41 1415 0.88	22	0030 0.72 0323 0.54 1235 0.88 * 1926 0.49	30	0211 0.48 1157 0.75 1347 0.73 1921 0.81
FR		SA		SU		MO	
7	0407 0.43 1045 0.75 1617 0.53 2230 0.74	15	0112 0.39 1509 0.86 1609 0.85 1814 0.90	23	0130 0.64 0350 0.52 1318 0.88 *	31	0244 0.49 0935 0.73 1430 0.69 1957 0.81
SA		SU		MO		TU	
8	0435 0.44 1111 0.80 1658 0.53 * 2309 0.69	16	0157 0.36 1134 0.72 1242 0.71 1902 0.92	24	0010 0.48 0231 0.57 0421 0.51 * 1110 0.91		
SU		MO		TU			

APRIL

Time	m	Time	m	Time	m	Time	m
1	0310 0.51 0955 0.77 1435 0.66 2002 0.81	9	0345 0.60 0453 0.59 1157 0.98 2222 0.50	17	0315 0.56 0941 0.91 1617 0.56 2223 0.81	25	0017 0.54 0213 0.50 1245 0.94
WE		TH		FR		SA	
2	0236 0.53 1015 0.79 1428 0.62 2030 0.80	10	1226 0.98 2305 0.48	18	0347 0.63 1025 0.96 1718 0.50 2327 0.76	26	0000 0.56 0112 0.56 0252 0.54 1331 0.89
TH		FR		SA		SU	
3	0234 0.53 0952 0.82 1500 0.59 2108 0.78	11	0059 0.51 0215 0.50 1300 0.96 2347 0.47	19	0215 0.63 1108 0.99 1815 0.47	27	0040 0.57 1046 0.85 1245 0.82 1422 0.84
FR		SA		SU		MO	
4	0258 0.53 0941 0.87 1537 0.56 2146 0.75	12	0130 0.49 0235 0.48 1337 0.93	20	0026 0.71 0240 0.62 0929 1.00 * 1915 0.46	28	0115 0.59 1100 0.82 1340 0.78 * 1529 0.79
SA		SU		MO		TU	
5	0324 0.54 1004 0.91 1615 0.54 2224 0.72	13	0030 0.46 1744 0.89	21	0125 0.66 0312 0.61 1002 1.03 2017 0.47	29	0144 0.61 0831 0.85 1430 0.73 1945 0.78
SU		MO		TU		WE	
6	0350 0.55 1033 0.95 1652 0.53 2301 0.68	14	0112 0.46 1030 0.79 1236 0.75 1840 0.89	22	1042 1.03 2121 0.49 2253 0.51	30	0145 0.63 0848 0.89 1515 0.69 2032 0.78
MO		TU		WE		TH	
7	0415 0.57 1101 0.97 1730 0.54 * 2335 0.63	15	0152 0.48 0828 0.79 1337 0.69 1944 0.87	23	0033 0.48 0334 0.61 0409 0.61 1122 1.01		
TU		WE		TH			
8	0434 0.58 1130 0.98 2139 0.52 *	16	0234 0.51 0859 0.85 1500 0.63 2105 0.84	24	0127 0.48 1203 0.98 2315 0.53		
WE		TH		FR			

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Bureau of Meteorology

National Tidal Centre

Height datum is Lowest Astronomical Tide

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

* Extra Tides

AUSTRALIA, WEST COAST – BUNBURY

2015

LAT 33° 19' LONG 115° 39'

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

Time	m	Time	m	Time	m	Time	m
1	0046 0.72	9	0739 0.80	17	0522 0.45	25	0116 0.56
	0350 0.50		1519 0.40		1138 0.62		0741 0.83
TU	1312 0.73	WE	2149 0.59	TH	1713 0.47	FR	1449 0.33
*	1927 0.53		2258 0.59		2350 0.78		2100 0.63
2	0133 0.75	10	0826 0.80	18	0602 0.47	26	0205 0.51
	0434 0.51		1548 0.41		1213 0.57		0841 0.82
WE	1415 0.64	TH	2205 0.62	FR	1733 0.49	SA	1535 0.36
*	1642 0.50	*		*			2144 0.67
3	0222 0.76	11	0102 0.56	19	0020 0.79	27	0306 0.46
	1304 0.47		0858 0.79		0642 0.49		0950 0.80
TH	1515 0.56	FR	1620 0.43	SA	0839 0.53	SU	1622 0.40
*	1712 0.49		2236 0.63	*	1445 0.47		2230 0.71
4	0312 0.77	12	0155 0.52	20	0048 0.78	28	0435 0.42
	1354 0.40		0836 0.78		1130 0.45		1100 0.75
FR		SA	1632 0.45	SU	1310 0.47	MO	1709 0.47
*			2303 0.65	*	1453 0.44	○	2317 0.74
5	0035 0.78	13	0239 0.48	21	0118 0.78	29	0546 0.38
	0224 0.74		0904 0.77		1505 0.41		1206 0.68
SA	0403 0.78	SU	1518 0.44	MO		TU	1505 0.50
●	1440 0.35	●	2147 0.66	●		*	
6	0121 0.78	14	0321 0.46	22	0156 0.77	30	0005 0.76
	0305 0.74		0943 0.75		1246 0.38		0651 0.36
SU	0456 0.78	MO	1545 0.44	TU		WE	2158 0.78
	1522 0.34		2211 0.70			*	
7	0550 0.79	15	0402 0.44	23	0244 0.75		
	1601 0.35		1022 0.71		1326 0.35		
MO	2336 0.67	TU	1615 0.44	WE	2303 0.63		
			2243 0.74				
8	0035 0.67	16	0443 0.44	24	0032 0.62		
	0645 0.80		1100 0.67		0648 0.81		
TU	1630 0.38	WE	1645 0.46	TH	1406 0.33		
			2316 0.77		2304 0.60		

OCTOBER

Time	m	Time	m	Time	m	Time	m
1	0756 0.35	9	0222 0.53	17	0552 0.37	25	0219 0.44
	1409 0.54		0821 0.67		0751 0.40		0843 0.68
TH	1601 0.47	FR	1450 0.43	SA	0912 0.39	SU	1437 0.43
*	2238 0.80		2111 0.65	*	2339 0.81		2050 0.75
2	0903 0.36	10	0302 0.50	18	0957 0.38	26	0342 0.37
	1049 0.39		0906 0.67				1002 0.66
FR	1231 0.36	SA	1437 0.46	SU		MO	1503 0.49
*	2320 0.80		2130 0.67				2137 0.79
3	0135 0.73	11	0236 0.47	19	0007 0.79	27	0447 0.30
	0233 0.74		0938 0.66		1040 0.37		1107 0.63
SA	1324 0.32	SU	1411 0.45	MO		TU	1400 0.51
			2045 0.70			○	2225 0.82
4	0003 0.78	12	0249 0.43	20	0040 0.77	28	0545 0.26
	1411 0.31		0929 0.64		1122 0.36		1204 0.59
SU	2139 0.70	MO	1436 0.45	TU	2151 0.69	WE	1419 0.50
	2241 0.70		2100 0.74	*	2255 0.69		2051 0.84
5	0047 0.74	13	0323 0.39	21	0117 0.74	29	0642 0.24
	0304 0.67		0949 0.62		1202 0.35		1302 0.54
MO	0422 0.69	TU	1505 0.45	WE	2158 0.66	TH	1450 0.49
*	1453 0.33	●	2130 0.78	●	2338 0.64		2127 0.86
6	0136 0.69	14	0400 0.37	22	0525 0.68	30	0739 0.25
	1529 0.37		1021 0.60		1242 0.35		2207 0.85
TU	2246 0.65	WE	1534 0.46	TH	2200 0.63	FR	
*			2203 0.80				
7	0040 0.62	15	0437 0.35	23	0023 0.58	31	0838 0.28
	0621 0.66		1056 0.56		0622 0.69		2250 0.82
WE	1352 0.41	TH	1601 0.48	FR	1320 0.36	SA	
*	2314 0.61		2237 0.82		1928 0.65		
8	0133 0.57	16	0515 0.36	24	0115 0.51		
	0725 0.66		1131 0.53		0725 0.69		
TH	1422 0.42	FR	1624 0.49	SA	1359 0.39		
	2044 0.62	*	2310 0.82		2006 0.70		

NOVEMBER

Time	m	Time	m	Time	m	Time	m
1	0938 0.32	9	0348 0.41	17	0951 0.32	25	0452 0.23
	1120 0.34		0959 0.58		1118 0.56		1118 0.56
SU	1252 0.32	MO	1321 0.49	TU		WE	1259 0.53
	2332 0.77		2000 0.80				2015 0.90
2	1341 0.34	10	0429 0.37	18	0009 0.77	26	0542 0.19
	2106 0.72		1048 0.57		1035 0.34		2028 0.92
MO	2237 0.70	TU	1351 0.49	WE	2106 0.70	TH	
			2022 0.84		2245 0.68	○	
3	0015 0.72	11	0509 0.34	19	0046 0.72	27	0630 0.18
	1423 0.38		1142 0.56		1117 0.37		1255 0.52
TU	2137 0.69	WE	1421 0.50	TH	2110 0.67	FR	1414 0.50
*			2051 0.86	*	2332 0.62		2102 0.91
4	0800 0.48	12	0432 0.32	20	0126 0.65	28	0720 0.21
	0928 0.49		1240 0.55		1156 0.40		1349 0.51
WE	1454 0.43	TH	1449 0.50	FR	1818 0.68	SA	1452 0.50
*	2204 0.65	●	2124 0.88	*			2143 0.88
5	0858 0.50	13	0648 0.31	21	0024 0.54	29	0809 0.25
	1013 0.50		1336 0.53		0559 0.59		2224 0.83
TH	1254 0.44	FR	1515 0.51	SA	1232 0.44	SU	
	1925 0.65		2157 0.88		1850 0.74		
6	0502 0.54	14	0530 0.30	22	0131 0.47	30	0857 0.31
	0700 0.56		2228 0.87		0719 0.56		1136 0.37
FR	1326 0.46	SA		SU	1306 0.48	MO	1209 0.37
*	1950 0.69			*	1927 0.81		2304 0.77
7	0221 0.50	15	0822 0.30	23	0306 0.38		
	0811 0.56		2300 0.85		1001 0.56		
SA	1339 0.48	SU		MO	1330 0.52		
	2011 0.72				2006 0.86		
8	0307 0.45	16	0907 0.31	24	0403 0.29		
	0908 0.57		2333 0.81		1035 0.56		
SU	1258 0.49	MO		TU	1246 0.54		
	2011 0.75				2045 0.89		

DECEMBER

Time	m	Time	m	Time	m	Time	m
1	0945 0.37	9	0431 0.33	17	0952 0.36	25	0535 0.18
	2044 0.73		1115 0.54		2032 0.69		2015 0.94
TU		WE	1239 0.54	TH	2239 0.65	FR	
			1955 0.90			○	
2	0654 0.40	10	0512 0.29	18	0021 0.68	26	0616 0.19
	0900 0.43		1153 0.55		1030 0.42		2048 0.91
WE	1031 0.42	TH	1324 0.54	FR	1715 0.69	SA	
*	2111 0.70		2021 0.93	●			
3	0727 0.41	11	0551 0.25	19	0728 0.44	27	0658 0.22
	0959 0.47		2052 0.93		0945 0.48		1326 0.53
TH	1116 0.46	FR		SA	1103 0.47	SU	1441 0.52
*	2132 0.67	●		*	1748 0.75		2127 0.87
4	0804 0.43	12	0630 0.24	20	0350 0.45	28	0737 0.27
	1841 0.70		1310 0.54		0551 0.49		2206 0.82
FR		SA	1432 0.53	SU	0740 0.46	MO	
			2123 0.93		1822 0.81		
5	0511 0.48	13	0707 0.23	21	0417 0.37	29	0813 0.33
	0627 0.48		1349 0.54		1900 0.88		1510 0.56
SA	0844 0.45	SU	1505 0.53	MO		TU	1609 0.55
*	1907 0.75		2156 0.91				2247 0.77
6	0530 0.46	14	0746 0.24	22	0445 0.30	30	0606 0.35
	0757 0.49		2230 0.87		1938 0.92		2031 0.72
SU	0923 0.48	MO		TU		WE	
	1926 0.79						
7	0304 0.43	15	0828 0.27	23	0445 0.25	31	0631 0.36
	0929 0.51		1514 0.56		2015 0.94		2056 0.70
MO	1000 0.51	TU	1624 0.55	WE		TH	2323 0.64
	1931 0.83		2308 0.82			*	
8	0350 0.37	16	0910 0.31	24	0458 0.20		
	1935 0.87		1558 0.59		2005 0.94		
TU		WE	1708 0.58	TH			
			2345 0.75				

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Bureau of Meteorology

National Tidal Centre

Height datum is Lowest Astronomical Tide

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

* Extra Tides