



Transport
Maritime



NSW Tides

2013–2014

**YOU'RE THE SKIPPER
YOU'RE RESPONSIBLE!**

Tidal predictions for Sydney Harbour

with moon phases

July 2013 – June 2014

Tidal predictions are calculated by the National Tidal Centre of Australia from daily tide recordings made at Fort Denison in Sydney Harbour.

Tide heights refer to zero on the Fort Denison Tide, being approximately the level of the Lowest Astronomical Tide.

All times stated are Eastern Standard Time. When Daylight Saving Time is in force, add one hour.

Tide heights are quoted in metres. As predictions are for average meteorological conditions, the actual tides may differ from those predicted. Tide heights of 1.7 metres or more, and 0.3 metres or less, are highlighted for trip planning and risk awareness.

Users of these tables should be aware that the heights shown in this publication are predictions only and that the actual water level height may vary due to meteorological conditions (including barometric pressure, wind effect and storm surges) and seasonal variations.

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Cover: Port Hacking.

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Transport
Maritime

**Maritime is a division of
Roads and Maritime Services**

Time variations

NSW Ports and Rivers

Time lags after Fort Denison, Sydney, of tides at several locations along the NSW coastline and in coastal rivers are set out in the following table. In view of the variations caused by local conditions and meteorological effects, these times are approximate and must be considered as a guide only. They are not to be relied on for critical depth calculations for safe navigation. Actual times of High and Low Water may occur before or after the times indicated.

Station	Approximate time lag after Fort Denison		Station	Approximate time lag after Fort Denison	
	High Water	Low Water		High Water	Low Water
TWOFOLD BAY Eden	NIL	NIL	WOLLONGONG	NIL	NIL
MERIMBULA LAKE Bridge	1 hr 30 min	1 hr 30 min	PORT HACKING Burraneer	15 min	NIL
Within the Lake	2 hrs	3 to 4 hrs	Lilli Pilli	30 min	45 min
BERMAGUI RIVER Bermagui Bridge	45 min	45 min	Audley	30 min	1 hr
WAGONGA INLET Narooma	54 min	30 min	BOTANY BAY & GEORGES RIVER Kurnell	NIL	NIL
MORUYA RIVER Moruya	45 min	45 min	Dolls Point	15 min	15 min
BATEMANS BAY	NIL	NIL	Como	30 min	15 min
CLYDE RIVER Bridge	15 min	15 min	Lugarno	1 hr	NIL
ULLADULLA	NIL	NIL	Milperra	2 hrs 15 min	2 hrs 10 min
JERVIS BAY	NIL	NIL	Liverpool	2 hrs 45 min	2 hrs 30 min
CROOKHAVEN RIVER Crookhaven Jetty	15 min	15 min	SYDNEY Fort Denison	NIL	NIL
Greenwell Point	45 min	45 min	Gladesville Bridge	15 min	15 min
SHOALHAVEN RIVER O'Keefes Point	2 hrs	2 hrs 15 min	Silverwater Bridge	15 min	15 min
Nowra	2 hrs 10 min	2 hrs 20 min	Fig Tree Bridge	15 min	15 min
Gypsy Point	3 hrs	3 hrs 30 min	The Spit Bridge	NIL	NIL
KIAMA	NIL	NIL	HAWKESBURY RIVER Peats Ferry Bridge	1 hr	1 hr
LAKE ILLAWARRA Bridge	15 min	1 hr 45 min	Wisemans Ferry	2 hrs 15 min	2 hrs 30 min
PORT KEMBLA	NIL	NIL	Lower Portland Ferry	3 hrs 5 min	3 hrs 5 min
			Windsor	5 hrs 15 min	5 hrs 50 min
			Pittwater	NIL	NIL
			HUNTER RIVER Newcastle	NIL	NIL
			Hexham	1 hr 10 min	1 hr
			Raymond Terrace	1 hr 50 min	1 hr 55 min
			Morpeth	3 hrs 10 min	3 hrs 30 min
			BRISBANE WATERS Ettalong	30 min	40 min
			Koolewong	2 hrs 10 min	2 hrs 20 min

Time variations

Station		Approximate time lag after Fort Denison		Station		Approximate time lag after Fort Denison	
		High Water	Low Water			High Water	Low Water
LAKE MACQUARIE				NAMBUCCA RIVER		Limited information only	
Swansea		0 to 15 min	15 min	Watts Creek		1 hr	
Within the Lake		2 hrs 50 min	30 min	Macksville		1 hr 30 min	2 hrs 10 min
PORT STEPHENS				KALANG RIVER			
Nelson Bay		30 min	15 min	Urunga Bridge		1 hr 20 min	1 hr 40 min
Salamander Bay		45 min	30 min	BELLINGER RIVER		Limited information only	
Soldiers Point		1 hr	45 min	Mylestom		30 min	1 hr
Karuah				Raleigh		1 hr	1 hr 30 min
(Karuah River)		1 hr 15 min	45 min	Bellingen		1 hr 40 min	2 hrs 10 min
Pindimar		45 min	45 min	COFFS HARBOUR		0 to 15 min	0 to 15 min
Tea Gardens		1 hr	45 min	N.W. SOLITARY ISLAND		NIL	NIL
BROUGHTON ISLAND		NIL	NIL	WOOLI RIVER			
CAPE HAWKE HARBOUR				Fishing Co-op		15 min	15 min
Forster		0 to 15 min	NIL	Wooli		1 hr 5 min	1 hr 50 min
Wollomba River (mouth)		1 hr 50 min	2 hrs 10 min	SANDON RIVER			
Nabiac		3 hrs	Limited Information only	Sandon		30 min	30 min
MANNING RIVER				CLARENCE RIVER			
Harrington		Based on bar at Harrington	15 to 30 min	Iluka		NIL	NIL
Taree		NIL	2 hrs 45 min	Macleay		2 hrs 15 min	2 hrs 25 min
Wingham		2 hrs	3 hrs 45 min	Ulmarra		4 hrs 30 min	5 hrs
CROWDY HEAD				Grafton		4 hrs 10 min	4 hrs 30 min
CAMDEN HAVEN		NIL	NIL	EVANS RIVER			
Laurieton				Evans Head Bridge		NIL	15 min
Watson Taylors Lake		30 min	1 hr	RICHMOND RIVER			
Kendall		2 hrs	2 hrs	Ballina Boat Dock		15 min	15 min
Queens Lake		3 hrs 30 min	4 hrs	Wardell		1 hr 30 min	2 hrs
HASTINGS RIVER				Broadwater		1 hr 45 min	2 hrs 30 min
Port Macquarie Wharf		15 to 30 min	15 to 30 min	Coraki		4 hrs	4 hrs 30 min
Blackmans Point		1 hr 30 min	1 hr 15 min	Lismore		1 hr 15 min	1 hr
Wauchope		1 hr 50 min	1 hr 15 min	BYRON BAY		NIL	NIL
TRIAL BAY		NIL	NIL	BRUNSWICK RIVER			
MACLEAY RIVER				Pacific Highway Bridge		30 min	1 hr
Jerseyville		1 hr	1 hr 15 min	TWEED RIVER			
Gladstone		2 hrs 10 min	2 hrs 20 min	Terranora Inlet		2 hrs 10 min	2 hrs 25 min
Frederickton		3 hrs 15 min	4 hrs 15 min	Chinderah		1 hr 15 min	2 hrs
Kempsey		3 hrs 15 min	3 hrs 20 min	Murwillumbah		2 hrs 30 min	2 hrs 50 min

July / August 2013

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

JULY 2013

AUGUST 2013

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 MO 0223 1.38 0843 0.53 1514 1.51 2136 0.69		12 FR 0444 0.40 1050 1.37 1630 0.57 2248 1.65		23 TU 0231 0.11 0830 1.51 1415 0.28 2045 2.03		1 TH 0357 1.14 0942 0.62 1626 1.50 2316 0.62		12 MO 0523 0.37 1145 1.49 1750 0.52 2352 1.43		23 FR 0336 0.15 0945 1.61 1545 0.28 2200 1.71	
2 TU 0327 1.29 0931 0.57 1610 1.54 2245 0.67		13 SA 0520 0.42 1132 1.39 1716 0.60 2329 1.58		24 WE 0320 0.10 0922 1.55 1509 0.29 2134 1.98		2 FR 0500 1.15 1037 0.61 1719 1.54		13 TU 0605 0.42 1235 1.50 1849 0.55		24 SA 0416 0.23 1030 1.60 1635 0.35 2245 1.57	
3 WE 0430 1.24 1021 0.59 1701 1.58 2345 0.62		14 SU 0600 0.44 1218 1.41 1808 0.64		25 TH 0407 0.14 1012 1.56 1602 0.33 2223 1.87		3 SA 0007 0.55 0554 1.19 1129 0.58 1805 1.60		14 WE 0046 1.33 0655 0.46 1331 1.51 2000 0.56		25 SU 0457 0.32 1115 1.57 1726 0.43 2329 1.42	
4 TH 0527 1.24 1108 0.59 1749 1.63		15 MO 0014 1.49 0642 1.46 1308 1.44 1907 0.66		26 FR 0453 0.20 1101 1.55 1656 0.40 2311 1.72		4 SU 0048 0.48 0639 1.24 1214 0.54 1846 1.65		15 TH 0153 1.25 0754 0.50 1436 1.55 2118 0.52		26 MO 0535 0.42 1200 1.52 1818 0.52	
5 FR 0032 0.57 0616 1.25 1153 0.58 1831 1.68		16 TU 0107 1.41 0730 0.48 1403 1.48 2015 0.65		27 SA 0537 0.30 1151 1.53 1751 0.49 2359 1.55		5 MO 0125 0.42 0718 1.29 1255 0.50 1924 1.69		16 FR 0310 1.22 0902 0.50 1545 1.61 2233 0.44		27 TU 0015 1.28 0616 0.51 1247 1.47 1915 0.59	
6 SA 0114 0.51 0700 1.28 1235 0.56 1911 1.72		17 WE 0211 1.34 0824 0.49 1503 1.55 2132 0.60		28 SU 0621 0.39 1242 1.51 1849 0.57		6 TU 0200 0.37 0754 1.33 1333 0.46 2000 1.72		17 SA 0427 1.24 1012 0.47 1652 1.71 2338 0.33		28 WE 0105 1.17 0702 0.58 1340 1.43 2021 0.64	
7 SU 0150 0.46 0741 1.30 1314 0.55 1947 1.75		18 TH 0323 1.30 0925 0.49 1606 1.64 2245 0.51		29 MO 0048 1.39 0706 0.48 1334 1.48 1952 0.64		7 WE 0231 0.34 0830 1.37 1412 0.44 2035 1.73		18 SU 0533 1.31 1116 0.40 1752 1.81		29 TH 0207 1.10 0758 0.63 1440 1.40 2131 0.64	
8 MO 0226 0.43 0818 1.32 1352 0.53 2024 1.77		19 FR 0435 1.31 1027 0.46 1707 1.76 2350 0.39		30 TU 0144 1.25 0754 0.56 1430 1.47 2102 0.68		8 TH 0303 0.32 0904 1.40 1450 0.43 2110 1.71		19 MO 0033 0.22 0630 1.40 1215 0.32 1846 1.89		30 FR 0320 1.08 0902 0.65 1544 1.41 2237 0.60	
9 TU 0300 0.40 0856 1.34 1430 0.53 2059 1.77		20 SA 0542 1.35 1127 0.41 1805 1.87		31 WE 0247 1.17 0846 0.60 1529 1.47 2214 0.66		9 FR 0336 0.31 0941 1.43 1530 0.43 2146 1.67		20 TU 0123 0.14 0722 1.49 1310 0.26 1938 1.93		31 SA 0430 1.11 1007 0.63 1644 1.46 2330 0.53	
10 WE 0334 0.39 0932 1.35 1509 0.53 2134 1.75		21 SU 0048 0.27 0642 1.41 1224 0.35 1900 1.97				10 SA 0409 0.32 1019 1.46 1613 0.45 2225 1.61		21 WE 0210 0.10 0812 1.55 1403 0.23 2027 1.91			
11 TH 0408 0.39 1011 1.36 1548 0.55 2211 1.71		22 SU 0141 0.17 0737 1.47 1320 0.31 1953 2.03				11 SU 0445 0.34 1100 1.48 1659 0.48 2306 1.52		22 TH 0254 0.11 0859 1.59 1455 0.23 2114 1.83			

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●

September / October 2013

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

Add one hour to the times below when Daylight Saving is in force.

SEPTEMBER 2013

OCTOBER 2013

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 SU 0527 1.17 1103 0.58 1733 1.51		12 TH 0038 1.27 0632 0.48 1308 1.56 1952 0.46		23 MO 0415 0.38 1037 1.62 1700 0.39 2300 1.33		1 TU 0536 1.28 1126 0.54 1741 1.49		12 SA 0146 1.23 0729 0.56 1400 1.58 2054 0.38		23 WE 0412 0.52 1039 1.62 1715 0.43 2315 1.23	
2 MO 0015 0.46 0612 1.24 1152 0.52 1817 1.57		13 FR 0147 1.20 0737 0.53 1416 1.55 2109 0.44		24 TU 0451 0.47 1117 1.56 1746 0.47 2344 1.23		2 WE 0007 0.40 0615 1.37 1211 0.47 1822 1.54		13 SU 0301 1.25 0845 0.56 1514 1.56 2159 0.35		24 TH 0450 0.58 1119 1.55 1800 0.49	
3 TU 0051 0.39 0650 1.31 1234 0.46 1856 1.62		14 SA 0307 1.19 0851 0.53 1530 1.59 2219 0.38		25 WE 0530 0.55 1200 1.50 1837 0.54		3 TH 0042 0.34 0652 1.46 1253 0.39 1901 1.57		14 MO 0409 1.32 0958 0.51 1621 1.58 2255 0.31		25 FR 0001 1.18 0535 0.64 1203 1.49 1851 0.53	
4 WE 0125 0.34 0726 1.38 1315 0.41 1932 1.65		15 SU 0421 1.25 1004 0.48 1639 1.65 2320 0.30		26 TH 0031 1.15 0615 0.62 1248 1.43 1935 0.59		4 FR 0115 0.30 0728 1.55 1333 0.32 1940 1.59		15 TU 0507 1.42 1103 0.44 1721 1.60 2345 0.27		26 SA 0055 1.15 0629 0.69 1255 1.42 1948 0.56	
5 TH 0157 0.30 0800 1.44 1353 0.37 2008 1.66		16 MO 0523 1.34 1110 0.40 1738 1.72		27 FR 0130 1.10 0711 0.67 1345 1.39 2041 0.60		5 SA 0149 0.27 0804 1.64 1415 0.27 2021 1.58		16 WE 0557 1.52 1201 0.36 1814 1.60		27 SU 0158 1.15 0733 0.72 1355 1.38 2048 0.55	
6 FR 0228 0.27 0835 1.50 1432 0.34 2045 1.65		17 TU 0013 0.22 0616 1.45 1208 0.32 1831 1.76		28 SA 0240 1.09 0819 0.69 1452 1.37 2146 0.58		6 SU 0225 0.26 0843 1.70 1500 0.24 2104 1.55		17 TH 0030 0.26 0644 1.62 1254 0.31 1901 1.59		28 MO 0304 1.18 0845 0.71 1501 1.36 2145 0.52	
7 SA 0300 0.26 0912 1.55 1514 0.32 2124 1.61		18 WE 0100 0.17 0704 1.54 1302 0.26 1920 1.77		29 SU 0351 1.13 0930 0.67 1558 1.39 2243 0.52		7 MO 0302 0.28 0924 1.74 1546 0.24 2150 1.49		18 FR 0110 0.26 0726 1.68 1343 0.27 1947 1.55		29 TU 0403 1.25 0953 0.67 1603 1.38 2233 0.48	
8 SU 0335 0.27 0950 1.59 1559 0.33 2205 1.54		19 TH 0142 0.15 0749 1.62 1352 0.22 2007 1.73		30 MO 0450 1.20 1032 0.62 1654 1.44 2329 0.46		8 TU 0345 0.32 1009 1.75 1637 0.26 2240 1.41		19 SA 0148 0.29 0807 1.72 1428 0.27 2030 1.49		30 WE 0453 1.34 1051 0.60 1657 1.42 2316 0.42	
9 MO 0412 0.30 1032 1.60 1646 0.36 2250 1.46		20 FR 0222 0.18 0833 1.66 1441 0.23 2052 1.65				9 WE 0430 0.38 1058 1.73 1732 0.30 2335 1.33		20 SU 0225 0.34 0846 1.73 1511 0.29 2112 1.42		31 TH 0535 1.45 1143 0.50 1744 1.46 2355 0.37	
10 TU 0452 0.36 1118 1.60 1740 0.40 2340 1.36		21 SA 0301 0.23 0915 1.67 1528 0.26 2135 1.55				10 TH 0521 0.45 1151 1.68 1834 0.35		21 MO 0300 0.39 0924 1.71 1552 0.32 2153 1.35			
11 WE 0538 0.42 1209 1.58 1841 0.44		22 SU 0338 0.30 0957 1.66 1614 0.32 2217 1.44				11 FR 0036 1.26 0619 0.51 1252 1.62 1944 0.38		22 TU 0335 0.46 1001 1.67 1633 0.38 2233 1.28			

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●

November / December 2013

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

Add one hour to the times below when Daylight Saving is in force.

NOVEMBER 2013

DECEMBER 2013

Time	mm	Time	mm	Time	m	Time	m	Time	m	Time	m
1 0615 1.56 1229 0.41 FR 1829 1.49		12 0347 1.41 0945 0.55 TU 1559 1.48 2224 0.37		23 0503 0.63 1128 1.56 SA 1812 0.48		1 0624 1.75 1256 0.32 SU 1850 1.44		12 0416 1.52 1039 0.57 TH 1634 1.31 2237 0.46		23 0523 0.62 1139 1.54 MO 1815 0.45	
2 0033 0.33 0654 1.67 SA 1314 0.32 1914 1.51		13 0445 1.49 1054 0.50 WE 1700 1.46 2313 0.37		24 0020 1.22 0553 0.68 SU 1213 1.49 1900 0.51		2 0040 0.33 0711 1.86 MO 1345 0.22 1942 1.46		13 0510 1.58 1143 0.52 FR 1733 1.29 2324 0.47		24 0031 1.30 0614 0.66 TU 1223 1.46 1859 0.48	
3 0112 0.30 0735 1.77 SU 1400 0.24 ● 2000 1.51		14 0534 1.58 1154 0.44 TH 1754 1.44 2357 0.37		25 0114 1.22 0650 0.71 MO 1304 1.42 1951 0.52		3 0127 0.31 0759 1.94 TU 1435 0.15 ● 2033 1.47		14 0558 1.64 1236 0.47 SA 1825 1.29		25 0122 1.32 0711 0.69 WE 1714 1.38 ● 1946 0.49	
4 0152 0.29 0818 1.84 MO 1400 0.18 2047 1.50		15 0620 1.66 1246 0.39 FR 1843 1.42		26 0212 1.25 0755 0.73 TU 1402 1.37 ● 2044 0.51		4 0216 0.31 0847 1.99 WE 1527 0.11 2127 1.47		15 0008 0.48 0641 1.69 SU 1321 0.42 1911 1.29		26 0217 1.36 0816 0.69 TH 1414 1.32 2038 0.50	
5 0236 0.30 0903 1.89 TU 1537 0.16 2138 1.46		16 0037 0.38 0703 1.71 SA 1332 0.35 1928 1.40		27 0311 1.30 0904 0.70 WE 1506 1.35 2135 0.49		5 0308 0.33 0938 1.99 TH 1619 0.11 2221 1.45		16 0048 0.48 0721 1.72 MO 1400 0.38 1952 1.30		27 0315 1.43 0929 0.65 FR 1521 1.29 2133 0.48	
6 0323 0.34 0952 1.89 WE 1630 0.18 2232 1.41		17 0115 0.40 0743 1.74 SU 1415 0.33 2011 1.37		28 0404 1.39 1011 0.64 TH 1608 1.35 2224 0.45		6 0402 0.36 1030 1.95 FR 1713 0.15 2317 1.43		17 0127 0.49 0759 1.74 TU 1437 0.36 ○ 2031 1.31		28 0411 1.53 1039 0.57 SA 1629 1.29 2229 0.45	
7 0414 0.39 1043 1.89 TH 1725 0.21 2330 1.36		18 0152 0.43 0820 1.75 MO 1454 0.33 ○ 2050 1.34		29 0453 1.50 1111 0.55 FR 1705 1.37 2309 0.41		7 0500 0.42 1124 1.85 SA 1807 0.21		18 0203 0.49 0834 1.75 WE 1512 0.35 2108 1.31		29 0505 1.64 1142 0.45 SU 1732 1.33 2323 0.41	
8 0510 0.46 1138 1.78 FR 1825 0.27		19 0228 0.47 0857 1.75 TU 1531 0.34 2130 1.31		30 0539 1.62 1204 0.44 SA 1759 1.41 2354 0.37		8 0015 1.42 0600 0.48 SU 1220 1.73 1903 0.28		19 0240 0.50 0910 1.74 TH 1546 0.36 2145 1.31		30 0559 1.77 1238 0.32 MO 1831 1.38	
9 0030 1.33 0611 0.52 SA 1237 1.69 1928 0.31		20 0303 0.50 0932 1.72 WE 1609 0.37 2209 1.28				9 0115 1.41 0704 0.54 MO 1319 1.59 1959 0.35		20 0318 0.52 0945 1.71 FR 1621 0.37 2223 1.30		31 0016 0.36 0651 1.89 TU 1331 0.21 1927 1.43	
10 0136 1.32 0719 0.56 SU 1342 1.60 ● 2030 0.35		21 0341 0.54 1009 1.68 TH 1647 0.40 2249 1.26				10 0217 1.43 0815 0.58 TU 1423 1.47 ● 2054 0.40		21 0357 0.55 1021 1.67 SA 1658 0.39 2302 1.30			
11 0245 1.35 0832 0.58 MO 1451 1.53 2130 0.36		22 0420 0.59 1046 1.62 FR 1728 0.44 2332 1.23				11 0318 1.47 0928 0.59 WE 1530 1.37 2147 0.44		22 0438 0.58 1059 1.61 SU 1735 0.42 2345 1.29			

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●

January / February 2014

SYDNEY (FORT DENISON)

LAT 33° 51' S LONG 151° 14' E TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

Add one hour to the times below when Daylight Saving is in force.

JANUARY 2014

FEBRUARY 2014

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0109 0.32 WE 0743 1.99 ● 1423 0.12 2020 1.48		12 0533 1.58 1220 0.54 SU 1807 1.21 2344 0.56		23 0039 1.41 0639 0.62 TH 1238 1.39 1858 0.49		1 0245 0.23 0911 2.00 SA 1541 0.08 2145 1.62		12 0009 0.57 0638 1.61 WE 1316 0.45 1913 1.31		23 0155 1.52 0833 0.57 SU 1427 1.23 2021 0.58	
2 0202 0.29 0834 2.04 TH 1514 0.08 2114 1.51		13 0620 1.63 1304 0.48 MO 1854 1.25		24 0130 1.43 0741 0.64 FR 1335 1.30 ● 1949 0.52		2 0339 0.24 1000 1.92 SU 1627 0.13 2234 1.63		13 0051 0.52 0716 1.65 TH 1350 0.40 1947 1.36		24 0305 1.56 0952 0.52 MO 1548 1.23 2137 0.56	
3 0256 0.28 0926 2.04 FR 1603 0.07 2206 1.53		14 0028 0.53 0701 1.67 TU 1343 0.43 1934 1.29		25 0230 1.47 0854 0.63 SA 1445 1.25 2050 0.53		3 0432 0.30 1049 1.79 MO 1711 0.22 2323 1.61		14 0130 0.48 0753 1.68 FR 1422 0.37 2021 1.41		25 0416 1.64 1102 0.43 TU 1702 1.30 2247 0.49	
4 0351 0.31 1016 1.98 SA 1653 0.12 2259 1.53		15 0108 0.51 0739 1.71 WE 1417 0.39 2011 1.32		26 0333 1.54 1012 0.56 SU 1602 1.24 2157 0.51		4 0527 0.38 1138 1.63 TU 1756 0.33		15 0206 0.45 0827 1.70 SA 1452 0.35 ○ 2054 1.44		26 0521 1.74 1203 0.32 WE 1804 1.40 ● 2350 0.40	
5 0446 0.36 1108 1.86 SU 1742 0.19 2352 1.52		16 0146 0.49 0815 1.73 TH 1450 0.36 ○ 2046 1.34		27 0438 1.64 1121 0.45 MO 1715 1.29 2300 0.45		5 0014 1.57 0624 0.48 WE 1228 1.46 1840 0.44		16 0243 0.43 0901 1.69 SU 1523 0.34 2128 1.48		27 0619 1.84 1256 0.21 TH 1858 1.51	
6 0545 0.43 1200 1.71 MO 1831 0.29		17 0223 0.48 0850 1.73 FR 1522 0.35 2121 1.36		28 0538 1.77 1222 0.32 TU 1817 1.37		6 0105 1.53 0725 0.57 TH 1321 1.31 1929 0.54		17 0320 0.43 0936 1.66 MO 1554 0.35 2201 1.50		28 0047 0.31 0713 1.91 FR 1345 0.15 1947 1.61	
7 0046 1.50 0645 0.51 TU 1254 1.54 1921 0.38		18 0300 0.48 0924 1.72 SA 1554 0.35 2156 1.38		29 0000 0.38 0635 1.89 WE 1316 0.20 1913 1.45		7 0201 1.49 0833 0.63 FR 1423 1.19 ● 2023 0.61		18 0400 0.44 1012 1.61 TU 1626 0.37 2239 1.52			
8 0144 1.49 0751 0.58 WE 1352 1.39 ● 2013 0.47		19 0338 0.49 0959 1.69 SU 1627 0.36 2232 1.39		30 0057 0.31 0729 1.98 TH 1407 0.11 2005 1.53		8 0302 1.47 0946 0.65 SA 1535 1.14 2124 0.65		19 0442 0.47 1049 1.54 WE 1700 0.40 2318 1.52			
9 0244 1.49 0903 0.63 TH 1457 1.27 2107 0.53		20 0417 0.51 1034 1.63 MO 1700 0.38 2311 1.39		31 0151 0.25 0820 2.02 FR 1455 0.07 ● 2056 1.58		9 0405 1.47 1057 0.63 SU 1647 1.14 2225 0.64		20 0527 0.50 1130 1.45 TH 1737 0.45			
10 0344 1.51 1017 0.63 FR 1606 1.20 2201 0.56		21 0500 0.55 1112 1.56 TU 1735 0.41 2352 1.40				10 0504 1.51 1154 0.58 MO 1746 1.19 2321 0.61		21 0003 1.52 0618 0.54 FR 1217 1.36 1821 0.50			
11 0441 1.54 1126 0.59 SA 1712 1.19 2254 0.57		22 0545 0.59 1152 1.47 WE 1814 0.45				11 0555 1.55 1238 0.51 TU 1833 1.25		22 0054 1.51 0720 0.57 SA 1315 1.28 1915 0.55			

March / April 2014

SYDNEY (FORT DENISON)

LAT 33° 51' S LONG 151° 14' E TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

Add one hour to the times below when Daylight Saving is in force.

MARCH 2014

APRIL 2014

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0142 0.25		12 0519 1.49		23 0030 1.62		1 0312 0.27		12 0003 0.61		23 0228 1.64	
SA 0803 1.93		WE 1200 0.54		SU 0711 0.51		TU 0920 1.65		SA 0608 1.54		WE 0916 0.45	
● 2035 1.68		2346 0.62		1855 0.61		1522 0.34		1843 1.52		2115 0.65	
2 0234 0.22		13 0606 1.55		24 0132 1.59		2 0400 0.32		13 0045 0.54		24 0339 1.64	
SU 0853 1.89		TH 1239 0.49		MO 0823 0.52		WE 1006 1.54		SU 0648 1.56		TH 1016 0.42	
1514 0.15		1844 1.36		● 1422 1.25		2221 1.77		1917 1.61		2228 0.58	
2121 1.72				2007 0.64							
3 0326 0.23		14 0030 0.55		25 0245 1.60		3 0448 0.39		14 0126 0.47		25 0444 1.65	
MO 0941 1.80		FR 0646 1.59		TU 0935 0.48		TH 1052 1.44		MO 0728 1.58		FR 1111 0.38	
1556 0.21		1314 0.43		2125 0.61		TH 1640 0.51		MO 1301 0.44		FR 1728 1.59	
2207 1.73		1918 1.43				2303 1.71		1952 1.69		2331 0.50	
4 0417 0.28		15 0110 0.49		26 0358 1.64		4 0537 0.47		15 0205 0.41		26 0542 1.66	
TU 1029 1.67		SA 0724 1.63		WE 1042 0.41		FR 1137 1.34		TU 0807 1.58		SA 1200 0.36	
1637 0.31		1345 0.40		2237 0.54		FR 1718 0.60		TU 1408 0.40		SA 1818 1.69	
2252 1.70		1952 1.50				2345 1.63		○ 2028 1.75			
5 0508 0.36		16 0147 0.45		27 0503 1.71		5 0627 0.55		16 0246 0.37		27 0030 0.43	
WE 1115 1.52		SU 0800 1.64		TH 1139 0.33		SA 1224 1.25		WE 0848 1.56		SU 0635 1.65	
2338 1.65		1416 0.37		1748 1.49		SA 1801 0.68		WE 1445 0.41		SU 1245 0.35	
		2024 1.56		2341 0.44				2106 1.80		1904 1.78	
6 0601 0.46		17 0225 0.41		28 0601 1.77		6 0031 1.55		17 0330 0.35		28 0122 0.37	
TH 1201 1.38		MO 0835 1.61		1230 0.27		SU 0720 0.61		TH 0932 1.53		MO 0725 1.62	
TH 1758 0.52		1446 0.36		FR 1839 1.61		SU 1317 1.20		TH 1523 0.43		MO 1328 0.37	
		○ 2058 1.61				1852 0.75		2147 1.82		1948 1.84	
7 0025 1.58		18 0303 0.39		29 0038 0.35		7 0124 1.48		18 0416 0.36		29 0211 0.34	
FR 0657 0.57		TU 0912 1.61		SA 0655 1.80		MO 0819 0.65		FR 1019 1.48		TU 0813 1.57	
1252 1.26		1518 0.37		1316 0.24		MO 1421 1.18		FR 1605 0.47		TU 1409 0.41	
1843 0.62		2132 1.65		1927 1.71		● 1957 0.79		2232 1.82		● 2030 1.86	
8 0116 1.51		19 0345 0.39		30 0131 0.29		8 0226 1.44		19 0507 0.38		30 0258 0.35	
SA 0758 0.62		WE 0950 1.57		SU 0745 1.78		TU 0921 0.65		SA 1110 1.42		WE 0900 1.51	
SA 1349 1.17		1552 0.39		1400 0.24		TU 1531 1.20		SA 1652 0.53		WE 1448 0.46	
● 1936 0.69		2211 1.67		2012 1.78		2109 0.79		2321 1.78		2112 1.86	
9 0215 1.45		20 0428 0.40		31 0223 0.26		9 0332 1.43		20 0603 0.41			
SU 0905 0.66		TH 1032 1.50		MO 0833 1.73		WE 1018 0.62		SU 1205 1.37			
SU 1500 1.13		TH 1629 0.43		● 1442 0.27		WE 1634 1.26		SU 1745 0.59			
2042 0.73		2252 1.67		2056 1.81		2217 0.75					
10 0320 1.43		21 0515 0.44				10 0433 1.46		21 0015 1.73			
MO 1013 0.65		FR 1117 1.43				TH 1109 0.58		MO 0705 0.45			
1615 1.15		FR 1710 0.49				TH 1725 1.34		MO 1308 1.33			
2151 0.72		2337 1.65				2315 0.68		1846 0.64			
11 0424 1.45		22 0609 0.48				11 0524 1.50		22 0118 1.67			
TU 1112 0.60		SA 1209 1.35				FR 1150 0.52		TU 0812 0.46			
TU 1716 1.21		SA 1758 0.55				FR 1806 1.43		TU 1417 1.33			
2254 0.68								● 1959 0.67			

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●

May / June 2014

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIME ZONE -1000

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

ALL THE BELOW TIMES ARE IN AUSTRALIAN EASTERN STANDARD TIME

MAY 2014

JUNE 2014

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0343 0.38 TH 1526 0.53 2151 1.82		12 0016 0.58 MO 0611 1.50 1215 0.48 1841 1.69		23 0318 1.59 FR 0947 0.44 1610 1.56 2216 0.62		1 0442 0.48 SU 1043 1.34 1612 0.66 2238 1.72		12 0125 0.38 TH 0716 1.47 1302 0.43 1936 1.94		23 0503 1.37 MO 1059 0.52 1734 1.70	
2 0427 0.42 FR 1028 1.38 1604 0.59 2230 1.76		13 0100 0.49 TU 0655 1.51 1253 0.45 1919 1.79		24 0423 1.55 SA 1040 0.44 1705 1.65 2322 0.56		2 0521 0.51 MO 1125 1.32 1654 0.70 2317 1.66		13 0213 0.30 FR 0808 1.49 1351 0.41 2024 2.01		24 0012 0.54 TU 0600 1.35 1145 0.53 1822 1.75	
3 0510 0.48 SA 1111 1.33 1604 0.66 2310 1.69		14 0145 0.41 WE 0740 1.52 1332 0.44 2000 1.87		25 0522 1.52 SU 1129 0.45 1756 1.73		3 0602 0.55 TU 1209 1.30 1740 0.74		14 0302 0.24 SA 0900 1.50 1442 0.41 2114 2.04		25 0101 0.49 WE 0650 1.35 1230 0.53 1906 1.78	
4 0555 0.54 SU 1156 1.28 1725 0.72 2352 1.61		15 0230 0.35 TH 0827 1.52 1415 0.43 2044 1.93		26 0021 0.50 MO 0616 1.50 1214 0.46 1843 1.80		4 0000 1.58 WE 0646 0.57 1259 1.31 1832 0.78		15 0353 0.21 SU 0955 1.51 1535 0.42 2204 2.02		26 0145 0.45 TH 0735 1.35 1312 0.54 1945 1.80	
5 0642 0.59 MO 1245 1.25 1814 0.77		16 0316 0.31 FR 0915 1.51 1500 0.45 2129 1.95		27 0113 0.45 TU 0706 1.47 1257 0.48 1926 1.84		5 0047 1.51 TH 0734 0.59 1353 1.32 1933 0.81		16 0445 0.22 MO 1049 1.50 1630 0.46 2256 1.95		27 0224 0.43 FR 0817 1.35 1351 0.55 2023 1.81	
6 0039 1.54 TU 0732 0.62 1340 1.25 1912 0.81		17 0406 0.30 SA 1007 1.48 1548 0.48 2217 1.94		28 0159 0.42 WE 0754 1.44 1337 0.51 2007 1.86		6 0143 1.45 FR 0824 0.59 1449 1.37 2042 0.80		17 0539 0.26 TU 1145 1.50 1729 0.51 2350 1.85		28 0300 0.42 SA 0857 1.36 1430 0.56 2100 1.79	
7 0134 1.48 WE 0827 0.63 1442 1.27 2021 0.82		18 0459 0.31 SU 1101 1.45 1641 0.53 2309 1.89		29 0242 0.41 TH 0838 1.42 1416 0.54 2046 1.85		7 0243 1.41 SA 0913 0.59 1544 1.43 2149 0.76		18 0633 0.31 WE 1244 1.50 1830 0.57		29 0336 0.42 SU 0935 1.35 1507 0.57 2135 1.77	
8 0236 1.44 TH 0921 0.62 1543 1.32 2131 0.80		19 0555 0.34 MO 1200 1.42 1737 0.58		30 0323 0.42 FR 0921 1.39 1455 0.57 2124 1.82		8 0344 1.39 SU 1000 0.56 1634 1.52 2251 0.69		19 0047 1.72 TH 0728 0.37 1343 1.51 1937 0.61		30 0412 0.43 MO 1013 1.35 1545 0.60 2211 1.72	
9 0339 1.44 FR 1011 0.59 1636 1.40 2235 0.74		20 0004 1.82 TU 0654 0.38 1300 1.41 1840 0.63		31 0402 0.44 SA 1002 1.36 1533 0.61 2201 1.78		9 0441 1.39 MO 1046 0.53 1720 1.63 2346 0.59		20 0149 1.59 FR 0822 0.42 1445 1.54 2050 0.64			
10 0435 1.45 SA 1056 0.56 1721 1.49 2330 0.67		21 0104 1.73 WE 0753 0.41 1405 1.43 1950 0.66				10 0534 1.41 TU 1131 0.50 1805 1.74		21 0255 1.48 SA 0916 0.47 1545 1.59 2203 0.63			
11 0525 1.47 SU 1136 0.52 1802 1.59		22 0210 1.65 TH 0852 0.43 1509 1.48 2104 0.65				11 0036 0.49 WE 0626 1.44 1215 0.46 1850 1.85		22 0400 1.41 SU 1008 0.50 1642 1.65 2312 0.59			

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●