

# NSW Tides

2015–2016



# Tidal predictions for Sydney Harbour

with moon phases

**July 2015 – June 2016**

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 Gauge, 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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# July / August 2015

## 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 2015

### AUGUST 2015

	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m							
<b>1</b> WE	0139	0.40	<b>12</b> SU	0503	1.35	<b>23</b> TH	0023	1.42	<b>1</b> SA	0245	0.16	<b>12</b> WE	0051	0.40	<b>23</b> SU	0133	1.20		
	0729	1.41		1055	0.48		0650	0.54		0844	1.52		0645	1.31		0737	0.59		
	1310	0.47		1731	1.74		1318	1.38		1430	0.30		1224	0.48		1418	1.41		
	1945	1.89					1917	0.73		2057	1.98		1854	1.72		2056	0.65		
<b>2</b> TH	0222	0.33	<b>13</b> MO	0013	0.46	<b>24</b> FR	0114	1.33	<b>2</b> SU	0330	0.13	<b>13</b> TH	0131	0.36	<b>24</b> MO	0243	1.16		
	0815	1.44		0603	1.35		0737	0.57		0933	1.56		0728	1.35		0839	0.60		
	1356	0.44		1147	0.48		1412	1.40		1522	0.29		1308	0.46		1521	1.46		
	2029	1.94		1823	1.80		2025	0.74		2145	1.94		1935	1.73		2207	0.59		
<b>3</b> FR	0306	0.27	<b>14</b> TU	0105	0.40	<b>25</b> SA	0214	1.26	<b>3</b> MO	0416	0.14	<b>14</b> FR	0208	0.34	<b>25</b> TU	0356	1.18		
	0903	1.46		0657	1.36		0829	0.59		0933	1.59		0806	1.38		0839	0.60		
	1444	0.43		1237	0.48		1509	1.43		1615	0.32		1348	0.45		1624	1.54		
	2115	1.97		1911	1.83		2136	0.71		2235	1.86		2012	1.73		2309	0.49		
<b>4</b> SA	0352	0.24	<b>15</b> WE	0151	0.36	<b>26</b> SU	0320	1.23	<b>4</b> TU	0503	0.18	<b>15</b> SA	0241	0.33	<b>26</b> WE	0500	1.24		
	0953	1.48		0745	1.38		0924	0.59		1115	1.60		0806	1.40		1045	0.51		
	1534	0.43		1323	0.48		1605	1.50		1713	0.36		1426	0.44		1720	1.65		
	2201	1.95		1955	1.84		2244	0.64		2327	1.73		2047	1.70					
<b>5</b> SU	0440	0.24	<b>16</b> TH	0232	0.34	<b>27</b> MO	0427	1.23	<b>5</b> WE	0552	0.26	<b>16</b> SU	0313	0.34	<b>27</b> TH	0000	0.37		
	1045	1.50		0829	1.39		1018	0.57		1209	1.60		0917	1.42		0557	1.33		
	1627	0.45		1406	0.48		1659	1.58		1813	0.43		1503	0.45		1141	0.42		
	2251	1.89		2035	1.83		2340	0.55					2121	1.66		1812	1.77		
<b>6</b> MO	0529	0.26	<b>17</b> FR	0311	0.35	<b>28</b> TU	0526	1.27	<b>6</b> TH	0022	1.58	<b>17</b> MO	0344	0.35	<b>28</b> FR	0048	0.25		
	1138	1.51		0910	1.39		1111	0.52		0644	0.34		0951	1.43		0646	1.43		
	1723	0.49		1446	0.50		1748	1.69		1306	1.59		1541	0.47		1233	0.33		
	2343	1.79		2113	1.80					1920	0.50		2155	1.61		1900	1.86		
<b>7</b> TU	0619	0.31	<b>18</b> SA	0347	0.37	<b>29</b> WE	0030	0.43	<b>7</b> FR	0123	1.43	<b>18</b> TU	0415	0.38	<b>29</b> SA	0133	0.15		
	1233	1.52		0949	1.38		0618	1.33		0738	0.43		1027	1.43		0734	1.53		
	1824	0.54		1526	0.53		1200	0.46		1407	1.58		1619	0.50		1325	0.25		
				2149	1.74		1836	1.79		2034	0.54		2230	1.54		1949	1.92		
<b>8</b> WE	0038	1.67	<b>19</b> SU	0422	0.40	<b>30</b> TH	0115	0.32	<b>8</b> SA	0231	1.31	<b>19</b> WE	0447	0.42	<b>30</b> SU	0218	0.09		
	0713	0.36		1027	1.38		0707	1.39		0837	0.49		1104	1.43		0822	1.61		
	1331	1.54		1605	0.56		1249	0.40		1512	1.58		1701	0.54		1416	0.19		
	1930	0.58		2225	1.68		1922	1.89		2151	0.54		2307	1.45		2038	1.93		
<b>9</b> TH	0139	1.55	<b>20</b> MO	0457	0.43	<b>31</b> FR	0200	0.23	<b>9</b> SU	0346	1.24	<b>20</b> TH	0522	0.46	<b>31</b> MO	0303	0.07		
	0807	0.41		1105	1.37		0756	1.46		0939	0.53		1145	1.42		0911	1.67		
	1432	1.57		1646	0.60		1339	0.34		1617	1.61		1747	0.59		1510	0.18		
	2044	0.60		2300	1.60		2010	1.95		2303	0.50		2348	1.36		2129	1.88		
<b>10</b> FR	0245	1.44	<b>21</b> TU	0531	0.47	<b>10</b> MO	0457	1.24	<b>10</b> MO	0457	1.24	<b>21</b> FR	0600	0.51	<b>11</b> SA	0002	0.45		
	0903	0.45		1146	1.37		1039	0.53		1229	1.41		1039	0.53		1229	1.41	0556	1.27
	1534	1.62		1730	0.65		1716	1.65					1134	0.51		1320	1.40	1634	1.68
	2200	0.58		2339	1.51					1809	1.69		1944	0.66		2311	0.53		

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Bureau of Meteorology

National Tidal Centre

Indicates high tide of 1.7 m or more

Indicates low tide of 0.3 m or less

New Moon ●

First Quarter ◐

Full Moon ○

Last Quarter ◑

# September / October 2015

## 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 2015

	Time	m	Time	m	Time	m		
<b>1</b>	0349	0.10	<b>12</b>	0136	0.35	<b>23</b>	0330	1.19
<b>TU</b>	1000	1.71		0740	1.42		0915	0.59
	1604	0.20	<b>SA</b>	1331	0.42	<b>WE</b>	1549	1.52
	2219	1.77		1946	1.62		2235	0.43
<b>2</b>	0435	0.17	<b>13</b>	0206	0.33	<b>24</b>	0437	1.27
<b>WE</b>	1051	1.71		0813	1.46	<b>TH</b>	1023	0.52
	1701	0.26	<b>SU</b>	1407	0.40		1651	1.62
	2312	1.62	●	2020	1.61		2329	0.32
<b>3</b>	0523	0.27	<b>14</b>	0236	0.33	<b>25</b>	0533	1.39
<b>TH</b>	1144	1.68		0845	1.49	<b>FR</b>	1123	0.41
	1801	0.34	<b>MO</b>	1444	0.39		1746	1.72
				2053	1.58			
<b>4</b>	0008	1.46	<b>15</b>	0305	0.35	<b>26</b>	0017	0.21
<b>FR</b>	0614	0.38		0917	1.51	<b>SA</b>	0624	1.52
	1239	1.63	<b>TU</b>	1520	0.40		1218	0.30
	1908	0.43		2128	1.53		1839	1.80
<b>5</b>	0109	1.32	<b>16</b>	0335	0.37	<b>27</b>	0104	0.13
<b>SA</b>	0709	0.48		0951	1.52	<b>SU</b>	0712	1.64
●	1340	1.58	<b>WE</b>	1558	0.42		1312	0.20
	2021	0.49		2203	1.47		1930	1.84
<b>6</b>	0219	1.22	<b>17</b>	0407	0.41	<b>28</b>	0149	0.09
<b>SU</b>	0812	0.55		1026	1.52	<b>MO</b>	0800	1.74
	1446	1.54	<b>TH</b>	1639	0.46		1405	0.14
	2137	0.51		2241	1.39	○	2020	1.83
<b>7</b>	0336	1.18	<b>18</b>	0441	0.46	<b>29</b>	0234	0.09
<b>MO</b>	0919	0.59		1104	1.50	<b>TU</b>	0847	1.80
	1555	1.53	<b>FR</b>	1723	0.50		1459	0.11
	2245	0.49		2322	1.32		2111	1.76
<b>8</b>	0445	1.20	<b>19</b>	0518	0.51	<b>30</b>	0320	0.14
<b>TU</b>	1024	0.58		1146	1.48	<b>WE</b>	0936	1.83
	1656	1.55	<b>SA</b>	1813	0.54		1553	0.14
	2341	0.45					2203	1.65
<b>9</b>	0541	1.25	<b>20</b>	0010	1.24			
<b>WE</b>	1121	0.54		0602	0.57			
	1748	1.58	<b>SU</b>	1236	1.45			
				1912	0.58			
<b>10</b>	0025	0.41	<b>21</b>	0107	1.18			
<b>TH</b>	0626	1.31		0657	0.61			
	1210	0.49	<b>MO</b>	1334	1.44			
	1832	1.60	○	2021	0.57			
<b>11</b>	0102	0.37	<b>22</b>	0216	1.16			
<b>FR</b>	0704	1.37		0802	0.62			
	1253	0.45	<b>TU</b>	1441	1.46			
	1911	1.62		2131	0.52			

### OCTOBER 2015

	Time	m	Time	m	Time	m		
<b>1</b>	0406	0.22	<b>12</b>	0128	0.37	<b>23</b>	0413	1.35
<b>TH</b>	1026	1.81		0742	1.54		1002	0.53
	1649	0.20	<b>MO</b>	1349	0.39	<b>FR</b>	1623	1.59
	2257	1.51		1953	1.51		2255	0.30
<b>2</b>	0454	0.33	<b>13</b>	0158	0.37	<b>24</b>	0509	1.48
<b>FR</b>	1117	1.75		0814	1.58	<b>SA</b>	1106	0.42
	1748	0.29	<b>TU</b>	1426	0.37		1722	1.66
	2353	1.38	●	2028	1.49		2345	0.23
<b>3</b>	0545	0.45	<b>14</b>	0228	0.38	<b>25</b>	0600	1.62
<b>SA</b>	1211	1.67		0846	1.61	<b>SU</b>	1205	0.31
	1852	0.38	<b>WE</b>	1502	0.36		1817	1.70
				2103	1.46			
<b>4</b>	0054	1.26	<b>15</b>	0259	0.40	<b>26</b>	0033	0.17
<b>SU</b>	0641	0.55		0919	1.63	<b>MO</b>	0648	1.74
	1309	1.58	<b>TH</b>	1540	0.37		1301	0.21
	2000	0.46		2141	1.41		1910	1.72
<b>5</b>	0202	1.19	<b>16</b>	0332	0.44	<b>27</b>	0119	0.16
<b>MO</b>	0745	0.62		0955	1.63	<b>TU</b>	0737	1.84
○	1414	1.50	<b>FR</b>	1620	0.39		1355	0.14
	2108	0.50		2220	1.36	○	2002	1.69
<b>6</b>	0315	1.18	<b>17</b>	0408	0.48	<b>28</b>	0205	0.18
<b>TU</b>	0854	0.65		1033	1.61	<b>WE</b>	0825	1.90
	1521	1.46	<b>SA</b>	1703	0.43		1448	0.11
	2211	0.50		2304	1.30		2055	1.62
<b>7</b>	0421	1.22	<b>18</b>	0447	0.53	<b>29</b>	0252	0.24
<b>WE</b>	1001	0.64		1115	1.57	<b>TH</b>	0914	1.92
	1624	1.45	<b>SU</b>	1752	0.46		1542	0.13
	2303	0.48		2353	1.24		2148	1.53
<b>8</b>	0514	1.28	<b>19</b>	0533	0.59	<b>30</b>	0339	0.32
<b>TH</b>	1100	0.59		1203	1.53	<b>FR</b>	1002	1.89
	1717	1.47	<b>MO</b>	1848	0.49		1636	0.19
	2346	0.45					2242	1.43
<b>9</b>	0558	1.35	<b>20</b>	0050	1.21	<b>31</b>	0427	0.41
<b>FR</b>	1151	0.54		0630	0.63	<b>SA</b>	1052	1.81
	1801	1.49	<b>TU</b>	1300	1.50		1731	0.28
				1952	0.49		2336	1.34
<b>10</b>	0024	0.41	<b>21</b>	0157	1.21			
<b>SA</b>	0635	1.43		0736	0.64			
	1234	0.48	<b>WE</b>	1406	1.50			
	1841	1.51	○	2059	0.45			
<b>11</b>	0057	0.39	<b>22</b>	0308	1.26			
<b>SU</b>	0710	1.49		0851	0.61			
	1313	0.43	<b>TH</b>	1516	1.53			
	1917	1.52		2200	0.39			

# November / December 2015

## 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 2015

### DECEMBER 2015

	Time	mm	Time	mm	Time	m		Time	m	Time	m	Time	m						
<b>1</b> SU	0517	0.52	<b>12</b> TH ●	0153	0.42	<b>23</b> MO	0537	1.69	<b>1</b> TU	0004	1.29	<b>12</b> SA	0201	0.45	<b>23</b> WE	0611	1.80		
	1142	1.71		0818	1.71		1155	0.35		0832	1.81		1247	0.32					
	1828	0.37		1445	0.35		1758	1.57		1509	0.30		1844	1.43					
<b>2</b> MO	0033	1.26	<b>13</b> FR	0227	0.44	<b>24</b> TU	0004	0.26	<b>2</b> WE	0057	1.26	<b>13</b> SU	0242	0.45	<b>24</b> TH	0031	0.36		
	0611	0.61		0854	1.73		0628	1.81		0913	1.83		0702	1.88					
	1234	1.59		1524	0.34		1253	0.26		1550	0.28		1341	0.25					
<b>3</b> TU	0135	1.22	<b>14</b> SA	0303	0.46	<b>25</b> WE	0052	0.26	<b>3</b> TH	0151	1.26	<b>14</b> MO	0326	0.46	<b>25</b> FR	0120	0.37		
	0711	0.68		0930	1.74		0717	1.90		0955	1.82		0751	1.92					
	1331	1.49		1605	0.34		1347	0.19		1339	1.41		1633	0.28		1430	0.22		
<b>4</b> WE	0240	1.22	<b>15</b> SU	0343	0.50	<b>26</b> TH	0140	0.29	<b>4</b> FR	0248	1.29	<b>15</b> TU	0412	0.49	<b>26</b> SA	0208	0.39		
	0817	0.71		1011	1.72		0806	1.95		1039	1.79		0838	1.92					
	1433	1.42		1648	0.36		1440	0.16		1719	0.30		1516	0.22					
<b>5</b> TH	0341	1.25	<b>16</b> MO	0427	0.54	<b>27</b> FR	0227	0.33	<b>5</b> SA	0343	1.34	<b>16</b> WE	0503	0.52	<b>27</b> SU	0254	0.42		
	0925	0.71		1054	1.69		0854	1.95		1127	1.73		0922	1.89					
	1536	1.38		1736	0.38		1530	0.17		1809	0.32		1600	0.25					
<b>6</b> FR	0434	1.32	<b>17</b> TU	0515	1.58	<b>28</b> SA	0315	0.39	<b>6</b> SU	0433	1.41	<b>17</b> TH	0018	1.37	<b>28</b> MO	0339	0.47		
	1029	0.67		1142	1.64		0942	1.91		1127	1.82		0600	0.56		1004	1.82		
	1633	1.38		1829	0.41		1620	0.22		1901	0.34		1218	1.66		1641	0.30		
<b>7</b> SA	0519	1.40	<b>18</b> WE	0036	1.28	<b>29</b> SU	0401	0.47	<b>7</b> MO	0519	1.49	<b>18</b> FR	0116	1.39	<b>29</b> TU	0423	0.53		
	1124	0.61		0612	0.62		1028	1.84		0701	0.58		0710	0.58		1045	1.73		
	1723	1.39		1236	1.59		1709	0.29		1730	1.32		1316	1.58		1721	0.37		
<b>8</b> SU	0600	0.47	<b>19</b> TH	0138	1.29	<b>30</b> MO	0449	0.55	<b>8</b> TU	0600	1.57	<b>19</b> SA	0217	1.44	<b>30</b> WE	0507	0.59		
	1211	0.54		0717	0.63		1114	1.73		1230	0.53		0812	0.59		1124	1.62		
	1807	1.41		1339	1.55		1758	0.37		1816	1.34		1422	1.50		1800	0.43		
<b>9</b> MO	0014	0.44	<b>20</b> FR	0244	1.35	<b>31</b> TH	0008	0.48	<b>9</b> WE	0008	0.48	<b>20</b> SU	0320	1.51	<b>31</b> TH	0013	1.32		
	0636	1.55		0830	0.61		0640	1.64		0927	0.56		0640	1.64		0927	0.56	0553	0.65
	1253	0.47		1447	1.53		1311	0.45		1531	1.45		1900	1.35		2151	0.38	1204	1.52
<b>10</b> TU	0047	0.43	<b>21</b> SA	0346	1.44	<b>11</b> FR	0045	0.47	<b>10</b> TH	0045	0.47	<b>21</b> MO	0420	1.61	<b>11</b> TU	0517	1.71		
	0711	1.61		0943	0.55		0716	1.71		1040	0.50		1147	0.41		1040	0.50	1147	0.41
	1331	0.42		1556	1.54		1350	0.39		1641	1.42		1430	0.34		1745	1.42	1430	0.34
<b>11</b> WE	0120	0.42	<b>22</b> SU	0444	1.57	<b>12</b> FR	0123	0.45	<b>11</b> FR	0123	0.45	<b>22</b> TU	0517	1.71	<b>12</b> TU	0517	1.71		
	0745	1.67		1052	0.46		0754	1.76		1147	0.41		0754	1.76		1147	0.41	1147	0.41
	1409	0.38		1700	1.55		1430	0.34		2022	1.38		1430	0.34		2340	0.36	1745	1.42
	2003	1.42		2315	0.29														

# January / February 2016

## 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 2016

	Time	m	Time	m	Time	m
<b>1</b> FR	0100	1.32	<b>12</b> TU	0312 0.39 0940 1.90 1615 0.21 2217 1.48	<b>23</b> SA	0108 0.43 0738 1.84 1416 0.28 2014 1.41
<b>2</b> SA ☾	0150 1.33 0742 0.74 1339 1.34 2011 0.56		<b>13</b> WE	0400 0.40 1026 1.87 1659 0.22 2306 1.49	<b>24</b> SU ☉	0154 0.42 0822 1.84 1457 0.28 2056 1.42
<b>3</b> SU	0245 1.36 0850 0.75 1441 1.27 2103 0.58		<b>14</b> TH	0452 0.43 1113 1.79 1745 0.26 2358 1.50	<b>25</b> MO	0237 0.43 0902 1.82 1534 0.29 2135 1.42
<b>4</b> MO	0342 1.40 1001 0.72 1547 1.24 2156 0.58		<b>15</b> FR	0548 0.47 1203 1.68 1834 0.32	<b>26</b> TU	0317 0.45 0940 1.77 1609 0.33 2214 1.42
<b>5</b> TU	0436 1.47 1106 0.66 1651 1.24 2246 0.56		<b>16</b> SA	0052 1.51 0649 0.52 1300 1.56 1927 0.38	<b>27</b> WE	0358 0.49 1016 1.70 1643 0.38 2250 1.41
<b>6</b> WE	0524 1.55 1201 0.58 1746 1.26 2332 0.54		<b>17</b> SU ☾	0152 1.52 0758 0.56 1402 1.44 2024 0.43	<b>28</b> TH	0437 0.53 1052 1.61 1715 0.42 2329 1.40
<b>7</b> TH	0609 1.63 1248 0.49 1834 1.30		<b>18</b> MO	0255 1.56 0915 0.56 1515 1.35 2125 0.47	<b>29</b> FR	0519 0.59 1128 1.52 1750 0.48
<b>8</b> FR	0016 0.50 0650 1.71 1330 0.40 1919 1.34		<b>19</b> TU	0400 1.61 1032 0.52 1630 1.31 2226 0.48	<b>30</b> SA	0009 1.39 0604 0.64 1207 1.42 1828 0.53
<b>9</b> SA	0059 0.46 0731 1.79 1410 0.33 2002 1.38		<b>20</b> WE	0501 1.68 1143 0.45 1737 1.32 2325 0.47	<b>31</b> SU	0054 1.38 0657 0.69 1253 1.33 1911 0.58
<b>10</b> SU ☉	0141 0.43 0814 1.86 1450 0.26 2045 1.42		<b>21</b> TH	0558 1.75 1242 0.38 1836 1.35		
<b>11</b> MO	0225 0.40 0856 1.89 1531 0.22 2130 1.45		<b>22</b> FR	0018 0.45 0650 1.81 1332 0.32 1928 1.38		

### FEBRUARY 2016

	Time	m	Time	m	Time	m
<b>1</b> MO ☾	0146 1.38 0800 0.72 1348 1.25 2002 0.62		<b>12</b> FR	0443 0.32 1100 1.78 1720 0.24 2334 1.64	<b>23</b> TU ☉	0220 0.43 0839 1.73 1503 0.35 2107 1.49
<b>2</b> TU	0245 1.39 0912 0.72 1457 1.19 2102 0.64		<b>13</b> SA	0539 0.38 1151 1.65 1808 0.33	<b>24</b> WE	0258 0.44 0915 1.69 1534 0.37 2141 1.50
<b>3</b> WE	0346 1.43 1025 0.68 1611 1.18 2203 0.63		<b>14</b> SU	0028 1.62 0640 0.45 1246 1.50 1900 0.42	<b>25</b> TH	0335 0.46 0948 1.63 1604 0.40 2214 1.51
<b>4</b> TH	0444 1.50 1127 0.60 1715 1.22 2300 0.59		<b>15</b> MO ☾	0127 1.60 0749 0.51 1350 1.36 1958 0.51	<b>26</b> FR	0413 0.49 1023 1.57 1634 0.44 2248 1.50
<b>5</b> FR	0535 1.59 1218 0.50 1809 1.28 2350 0.53		<b>16</b> TU	0231 1.58 0907 0.54 1505 1.27 2103 0.56	<b>27</b> SA	0452 0.53 1058 1.49 1705 0.49 2325 1.49
<b>6</b> SA	0623 1.69 1303 0.39 1856 1.35		<b>17</b> WE	0340 1.59 1025 0.53 1625 1.25 2212 0.57	<b>28</b> SU	0534 0.58 1136 1.41 1740 0.54
<b>7</b> SU ☉	0037 0.46 0708 1.79 1345 0.30 1941 1.43		<b>18</b> TH	0446 1.63 1134 0.48 1733 1.28 2315 0.55	<b>29</b> MO	0006 1.46 0623 0.63 1219 1.32 1820 0.60
<b>8</b> MO	0124 0.38 0752 1.87 1427 0.22 2025 1.51		<b>19</b> FR	0545 1.68 1230 0.42 1829 1.33		
<b>9</b> TU ☾	0211 0.33 0837 1.92 1508 0.17 2110 1.57		<b>20</b> SA	0010 0.51 0637 1.72 1315 0.38 1915 1.39		
<b>10</b> WE	0300 0.30 0924 1.93 1551 0.15 2156 1.61		<b>21</b> SU	0058 0.47 0722 1.74 1355 0.35 1955 1.43		
<b>11</b> TH	0350 0.29 1011 1.88 1635 0.18 2245 1.63		<b>22</b> MO	0141 0.45 0802 1.74 1430 0.34 2032 1.47		

# March / April 2016

## 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 2016

### APRIL 2016

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m						
<b>1</b> TU	0053 0719 1312 1909	1.44 0.67 1.24 0.66	<b>12</b> SA	0434 1046 1654 2312	0.25 1.72 0.29 1.78	<b>23</b> WE ○	0203 0813 1427 2037	0.47 1.63 0.41 1.58	<b>1</b> FR ●	0206 0900 1500 2042	1.49 0.63 1.23 0.74	<b>12</b> TU	0624 1229 1812	0.38 1.40 0.59	<b>23</b> SA	0256 0855 1447 2110	0.47 1.50 0.52 1.73
<b>2</b> WE ○	0827 1416 2010	1.42 0.69 0.70	<b>13</b> SU	0531 1140 1742	0.32 1.58 0.39	<b>24</b> TH	0239 0847 1456 2108	0.45 1.60 0.43 1.61	<b>3</b> SA	0315 1005 1612 2155	1.52 0.57 1.29 0.69	<b>13</b> WE	0039 0730 1333 1913	1.74 0.46 1.32 0.69	<b>24</b> SU	0332 0932 1519 2144	0.47 1.47 0.55 1.73
<b>3</b> TH	0253 0940 1532 2120	1.43 0.66 1.18 0.69	<b>14</b> MO	0005 0633 1238 1834	1.74 0.40 1.43 0.51	<b>25</b> FR	0315 0921 1525 2140	0.45 1.57 0.45 1.62	<b>3</b> SU	0421 1101 1712 2300	1.59 0.47 1.40 0.59	<b>14</b> TH ●	0142 0837 1445 2023	1.65 0.52 1.29 0.74	<b>25</b> MO	0412 1011 1553 2219	0.49 1.42 0.59 1.71
<b>4</b> FR	0400 1046 1645 2227	1.49 0.59 1.23 0.64	<b>15</b> TU	0102 0742 1344 1934	1.67 0.48 1.31 0.60	<b>26</b> SA	0352 0957 1555 2213	0.47 1.51 0.49 1.62	<b>4</b> MO	0519 1152 1802 2356	1.68 0.37 1.53 0.47	<b>15</b> FR	0250 0941 1556 2135	1.58 0.55 1.30 0.75	<b>26</b> TU	0453 1052 1630 2258	0.51 1.37 0.64 1.68
<b>5</b> SA	0500 1142 1742 2325	1.57 0.49 1.31 0.56	<b>16</b> WE ○	0207 0857 1500 2045	1.61 0.53 1.25 0.66	<b>27</b> SU	0430 1033 1627 2248	0.50 1.45 0.54 1.60	<b>5</b> TU	0613 1239 1849	1.77 0.29 1.66	<b>16</b> SA	0357 1038 1655 2242	1.54 0.55 1.36 0.71	<b>27</b> WE	0538 1137 1712 2342	0.55 1.33 0.69 1.64
<b>6</b> SU	0552 1230 1830	1.68 0.38 1.42	<b>17</b> TH	0318 1009 1616 2158	1.58 0.53 1.25 0.67	<b>28</b> MO	0512 1113 1701 2327	0.54 1.38 0.59 1.57	<b>6</b> WE	0049 0704 1324 1936	0.36 1.83 0.23 1.78	<b>17</b> SU	0455 1127 1743 2338	1.54 0.54 1.43 0.66	<b>28</b> TH	0628 1229 1800	0.58 1.29 0.73
<b>7</b> MO	0016 0641 1315 1916	0.46 1.79 0.28 1.53	<b>18</b> FR	0427 1114 1721 2302	1.57 0.51 1.30 0.63	<b>29</b> TU	0558 1156 1740	0.58 1.31 0.65	<b>7</b> TH ●	0142 0755 1409 2023	0.27 1.84 0.21 1.88	<b>18</b> MO	0545 1207 1824	1.54 0.52 1.50	<b>29</b> FR	0031 0725 1327 1900	1.60 0.59 1.28 0.76
<b>8</b> TU	0107 0729 1358 2001	0.36 1.87 0.20 1.63	<b>19</b> SA	0526 1205 1812 2358	1.60 0.48 1.37 0.58	<b>30</b> WE	0011 0650 1246 1828	1.53 0.63 1.25 0.71	<b>8</b> FR	0235 0846 1455 2111	0.21 1.81 0.23 1.93	<b>19</b> TU	0025 0627 1244 1900	0.60 1.55 0.50 1.57	<b>30</b> SA ●	0131 0826 1433 2012	1.57 0.57 1.31 0.76
<b>9</b> WE ●	0157 0816 1440 2047	0.23 1.91 0.16 1.72	<b>20</b> SU	0615 1247 1854	1.63 0.44 1.44	<b>31</b> TH	0103 0752 1348 1929	1.50 0.65 1.22 0.75	<b>9</b> SA	0329 0939 1541 2200	0.20 1.74 0.29 1.94	<b>20</b> WE	0106 0706 1315 1933	0.55 1.55 0.49 1.63			
<b>10</b> TH	0247 0905 1524 2133	0.23 1.89 0.16 1.78	<b>21</b> MO	0045 0659 1324 1930	0.53 1.64 0.42 1.50				<b>10</b> SU	0425 1033 1629 2250	0.23 1.63 0.38 1.91	<b>21</b> TH	0144 0743 1346 2005	0.51 1.54 0.49 1.67			
<b>11</b> FR	0340 0955 1608 2222	0.22 1.83 0.20 1.80	<b>22</b> TU	0126 0737 1357 2004	0.49 1.64 0.41 1.55				<b>11</b> MO	0522 1129 1718 2343	0.30 1.51 0.49 1.84	<b>22</b> FR ○	0219 0819 1416 2037	0.49 1.53 0.50 1.71			

# May / June 2016

## 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 2016

	Time	m	Time	m	Time	m		
<b>1</b> SU	0238	1.58	<b>12</b> TH	0015	1.78	<b>23</b> MO	0315	0.46
	0927	0.52		0707	0.46		0910	1.43
	1540	1.38		1314	1.35		1449	0.57
	2126	0.71		1847	0.73		2118	1.81
<b>2</b> MO	0345	1.61	<b>13</b> FR	0111	1.66	<b>24</b> TU	0354	0.46
	0927	0.45		0805	0.53		0951	1.40
	1640	1.50		1416	1.33		1527	0.60
	2234	0.61		1952	0.78		2156	1.80
<b>3</b> TU	0448	1.67	<b>14</b> SA	0211	1.56	<b>25</b> WE	0435	0.47
	1115	0.38		0900	0.57		0934	1.38
	1732	1.64		1518	1.35		1608	0.63
	2336	0.50		2101	0.80		2236	1.77
<b>4</b> WE	0545	1.72	<b>15</b> SU	0314	1.50	<b>26</b> TH	0519	0.49
	1203	0.32		0951	0.59		1120	1.36
	1823	1.77		1615	1.40		1652	0.67
				2208	0.78		2320	1.73
<b>5</b> TH	0033	0.38	<b>16</b> MO	0412	1.47	<b>27</b> FR	0607	0.51
	0641	1.74		1038	0.59		1211	1.35
	1251	0.29		1703	1.47		1743	0.71
	1912	1.90		2307	0.73			
<b>6</b> FR	0130	0.29	<b>17</b> TU	0503	1.46	<b>28</b> SA	0009	1.68
	0734	1.74		1119	0.57		0700	0.51
	1339	0.29		1746	1.54		1307	1.36
	2000	1.99		2358	0.67		1842	0.73
<b>7</b> SA	0224	0.23	<b>18</b> WE	0549	1.46	<b>29</b> SU	0105	1.64
	0830	1.70		1158	0.56		0755	0.50
	1427	0.32		1825	1.61		1408	1.40
	2049	2.03		1949	0.73			
<b>8</b> SU	0318	0.21	<b>19</b> TH	0043	0.61	<b>30</b> MO	0208	1.61
	0924	1.63		0632	1.46		0852	0.48
	1515	0.38		1232	0.55		1511	1.47
	2139	2.03		1900	1.68		2102	0.69
<b>9</b> MO	0414	0.24	<b>20</b> FR	0122	0.55	<b>31</b> TU	0315	1.60
	1019	1.55		0713	1.46		0947	0.44
	1604	0.46		1306	0.54		1610	1.58
	2230	1.98		1934	1.73		2214	0.62
<b>10</b> TU	0510	0.30	<b>21</b> SA	0200	0.51	<b>10</b> FR	0633	0.46
	1115	1.47		0751	1.46		1242	1.37
	1656	0.55		1340	0.54		1817	0.71
	2321	1.89		2008	1.77			
<b>11</b> WE	0608	0.38	<b>22</b> SU	0237	0.48	<b>11</b> SA	0034	1.64
	1214	1.40		0830	1.44		0722	0.53
	1749	0.65		1414	0.56		1335	1.36
				2043	1.80		1915	0.77

### JUNE 2016

	Time	m	Time	m	Time	m		
<b>1</b> WE	0421	1.60	<b>12</b> SU	0125	1.53	<b>23</b> TH	0415	0.39
	1040	0.40		0810	0.58		1015	1.40
	1705	1.71		1430	1.37		1550	0.56
	2320	0.51		2016	0.80		2218	1.83
<b>2</b> TH	0523	1.61	<b>13</b> MO	0221	1.44	<b>24</b> FR	0459	0.39
	1131	0.37		0857	0.60		1102	1.41
	1759	1.83		1525	1.41		1638	0.59
				2124	0.80		2302	1.79
<b>3</b> FR	0022	0.40	<b>14</b> TU	0319	1.39	<b>25</b> SA	0545	0.40
	0621	1.61		0944	0.61		1152	1.41
	1222	0.36		1616	1.47		1730	0.62
	1850	1.94		2229	0.77		2351	1.73
<b>4</b> SA	0119	0.31	<b>15</b> WE	0417	1.36	<b>26</b> SU	0633	0.41
	0718	1.60		1029	0.60		1245	1.43
	1313	0.36		1704	1.54		1827	0.64
	1941	2.02		2326	0.71			
<b>5</b> SU	0215	0.25	<b>16</b> TH	0511	1.36	<b>27</b> MO	0045	1.65
	0815	1.58		1111	0.59		0725	0.43
	1402	0.39		1747	1.61		1343	1.47
	2030	2.05		1932	0.66			
<b>6</b> MO	0308	0.24	<b>17</b> FR	0015	0.63	<b>28</b> TU	0145	1.58
	0909	1.54		0600	1.37		0819	0.44
	1453	0.43		1152	0.57		1444	1.53
	2120	2.04		1827	1.67		2045	0.64
<b>7</b> TU	0400	0.26	<b>18</b> SA	0059	0.57	<b>29</b> WE	0251	1.51
	1003	1.49		0644	1.38		0915	0.44
	1543	0.49		1230	0.56		1544	1.62
	2210	1.98		1905	1.74		2200	0.59
<b>8</b> WE	0452	0.31	<b>19</b> SU	0139	0.50	<b>30</b> TH	0400	1.48
	1056	1.45		0726	1.39		1012	0.43
	1633	0.57		1308	0.55		1643	1.72
	2258	1.89		1942	1.79		2311	0.50
<b>9</b> TH	0543	0.38	<b>20</b> MO	0216	0.46	<b>10</b> FR	0633	0.46
	1148	1.40		0807	1.39		1242	1.37
	1724	0.64		1345	0.54		1817	0.71
	2345	1.77		2018	1.83			
<b>10</b> FR	0633	0.46	<b>21</b> TU	0255	0.42	<b>11</b> SA	0034	1.64
	1242	1.37		0848	1.40		0722	0.53
	1817	0.71		1425	0.54		1335	1.36
				2057	1.85		1915	0.77
<b>11</b> SA	0034	1.64	<b>22</b> WE	0334	0.40	<b>12</b> SU	0034	1.64
	0722	0.53		0930	1.40		0722	0.53
	1335	1.36		1506	0.55		1335	1.36
	1915	0.77		2137	1.85		1915	0.77

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Indicates high tide of 1.7 m or more

Indicates low tide of 0.3 m or less

New Moon ●

First Quarter ◐

Full Moon ○

Last Quarter ◑



# 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	
	High Water	Low Water
<b>TWOFOLD BAY</b> Eden	NIL	NIL
<b>MERIMBULA LAKE</b> Bridge Within the Lake	1 hr 30 min 2 hrs	1 hr 30 min 3 to 4 hrs
<b>BERMAGUI RIVER</b> Bermagui Bridge	45 min	45 min
<b>WAGONGA INLET</b> Narooma	45 min	30 min
<b>MORUYA RIVER</b> Moruya	45 min	45 min
<b>BATEMANS BAY</b>	NIL	NIL
<b>CLYDE RIVER</b> Bridge	15 min	15 min
<b>ULLADULLA</b>	NIL	NIL
<b>JERVIS BAY</b>	NIL	NIL
<b>CROOKHAVEN RIVER</b> Crookhaven Jetty Greenwell Point	15 min 45 min	15 min 45 min
<b>SHOALHAVEN RIVER</b> O'Keefes Point Nowra Gypsy Point	2 hrs 2 hrs 10 min 3 hrs	2 hrs 15 min 2 hrs 20 min 3 hrs 30 min
<b>KIAMA</b>	NIL	NIL
<b>LAKE ILLAWARRA</b> Bridge	15 min	1 hr 45 min
<b>PORT KEMBLA</b>	NIL	NIL

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
<b>WOLLONGONG</b>	NIL	NIL
<b>PORT HACKING</b> Burraneer Lilli Pilli Audley	15 min 30 min 30 min	NIL 45 min 1 hr
<b>BOTANY BAY &amp; GEORGES RIVER</b> Kurnell Dolls Point Como Lugarno Milperra Liverpool	NIL 15 min 30 min 1 hr 2 hrs 15 min 2 hrs 45 min	NIL 15 min 15 min NIL 2 hrs 10 min 2 hrs 30 min
<b>SYDNEY</b> Fort Denison Gladesville Bridge Silverwater Bridge Fig Tree Bridge The Spit Bridge	NIL 15 min 15 min 15 min NIL	NIL 15 min 15 min 15 min NIL
<b>HAWKESBURY RIVER</b> Peats Ferry Bridge Wisemans Ferry Lower Portland Ferry Windsor Pittwater	1 hr 2 hrs 15 min 3 hrs 5 min 5 hrs 15 min NIL	1 hr 2 hrs 30 min 3 hrs 5 min 5 hrs 50 min NIL
<b>HUNTER RIVER</b> Newcastle Hexham Raymond Terrace Morpeth	NIL 1 hr 10 min 1 hr 50 min 3 hrs 10 min	NIL 1 hr 1 hr 55 min 3 hrs 30 min
<b>BRISBANE WATER</b> Ettalong Koolewong	30 min 2 hrs 10 min	40 min 2 hrs 20 min

# Time variations NSW Ports and Rivers

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
<b>LAKE MACQUARIE</b> Swansea Within the Lake	0 to 15 min 2 hrs 50 min	15 min 30 min
<b>PORT STEPHENS</b> Nelson Bay Salamander Bay Soldiers Point Karuah (Karuah River) Pindimar Tea Gardens	30 min 45 min 1 hr 1 hr 15 min 45 min 1 hr	15 min 30 min 45 min 45 min 45 min 45 min
<b>BROUGHTON ISLAND</b>	NIL	NIL
<b>CAPE HAWKE HARBOUR</b> Forster Wollomba River (mouth) Nabiac	0 to 15 min 1 hr 50 min 3 hrs	NIL 2 hrs 10 min Limited Information only
<b>MANNING RIVER</b> Harrington Taree Wingham	Based on bar at Harrington NIL 2 hrs 3 hrs 15 min	15 to 30 min 2 hrs 45 min 3 hrs 45 min
<b>CROWDY HEAD</b>	NIL	NIL
<b>CAMDEN HAVEN</b> Laurieton Watson Taylors Lake Kendall Queens Lake	30 min 2 hrs 3 hrs 30 min 2 hrs	1 hr 2 hrs 4 hrs 2 hrs 15 min
<b>HASTINGS RIVER</b> Port Macquarie Wharf Blackmans Point Wauchope	15 to 30 min 1 hr 30 min 1 hr 50 min	15 to 30 min 1 hr 15 min 1 hr 15 min
<b>TRIAL BAY</b>	NIL	NIL
<b>MACLEAY RIVER</b> Jerseyville Gladstone Frederickton Kempsey	1 hr 2 hrs 10 min 3 hrs 15 min 3 hrs 15 min	1 hr 15 min 2 hrs 20 min 4 hrs 15 min 3 hrs 20 min

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
<b>NAMBUCCA RIVER</b> Watts Creek Macksville	Limited information only 1 hr 1 hr 30 min	2 hrs 10 min
<b>KALANG RIVER</b> Urunga Bridge	1 hr 20 min	1 hr 40 min
<b>BELLINGER RIVER</b> Mylestom Raleigh Bellingen	Limited information only 30 min 1 hr 1 hr 40 min	1 hr 1 hr 30 min 2 hrs 10 min
<b>COFFS HARBOUR</b>	0 to 15 min	0 to 15 min
<b>N.W. SOLITARY ISLAND</b>	NIL	NIL
<b>WOOLI RIVER</b> Fishing Co-op Wooli	15 min 1 hr 5 min	15 min 1 hr 50 min
<b>SANDON RIVER</b> Sandon	30 min	30 min
<b>CLARENCE RIVER</b> Iluka Maclean Ulmarra Grafton	NIL 2 hrs 15 min 4 hrs 30 min 4 hrs 10 min	NIL 2 hrs 25 min 5 hrs 4 hrs 30 min
<b>EVANS RIVER</b> Evans Head Bridge	NIL	15 min
<b>RICHMOND RIVER</b> Ballina Boat Dock Wardell Broadwater Coraki Lismore	15 min 1 hr 30 min 1 hr 45 min 4 hrs 1 hr 15 min	15 min 2 hrs 2 hrs 30 min 4 hrs 30 min 1 hr
<b>BYRON BAY</b>	NIL	NIL
<b>BRUNSWICK RIVER</b> Pacific Highway Bridge	30 min	1 hr
<b>TWEED RIVER</b> Terranora Inlet Chinderah Murwillumbah	2 hrs 10 min 1 hr 15 min 2 hrs 30 min	2 hrs 25 min 2 hrs 2 hrs 50 min

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