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# AUSTRALIA, EAST COAST – PORT ALMA

LAT 23° 35' S LONG 150° 52' E  
Times and Heights of High and Low Waters

# 2015

Time Zone -1000

## JANUARY

Time	m	Time	m
<b>1</b>	0030 1.06	<b>16</b>	0604 4.49
	0640 4.94		1224 1.70
TH	1308 1.38	FR	1811 4.19
	1853 4.36		
<b>2</b>	0121 0.95	<b>17</b>	0031 1.26
	0730 5.13		0650 4.87
FR	1358 1.24	SA	1314 1.39
	1941 4.40		1900 4.41
<b>3</b>	0206 0.89	<b>18</b>	0121 0.99
	0813 5.25		0735 5.20
SA	1441 1.17	SU	1403 1.11
	2021 4.42		1947 4.60
<b>4</b>	0243 0.87	<b>19</b>	0208 0.75
	0851 5.30		0818 5.47
SU	1519 1.15	MO	1450 0.87
	2058 4.43		2031 4.77
<b>5</b>	0317 0.90	<b>20</b>	0253 0.57
	0925 5.29		0902 5.66
MO	1552 1.16	TU	1536 0.68
○	2133 4.41	●	2114 4.90
<b>6</b>	0348 0.96	<b>21</b>	0337 0.47
	0957 5.23		0945 5.75
TU	1621 1.20	WE	1621 0.58
	2206 4.37		2159 4.97
<b>7</b>	0417 1.06	<b>22</b>	0421 0.47
	1028 5.13		1029 5.73
WE	1649 1.26	TH	1705 0.57
	2237 4.30		2247 4.97
<b>8</b>	0444 1.20	<b>23</b>	0504 0.61
	1058 4.99		1115 5.58
TH	1716 1.33	FR	1750 0.67
	2308 4.21		2337 4.89
<b>9</b>	0511 1.38	<b>24</b>	0551 0.87
	1129 4.82		1205 5.32
FR	1746 1.44	SA	1838 0.87
	2341 4.09		
<b>10</b>	0542 1.61	<b>25</b>	0032 4.75
	1203 4.60		0644 1.23
SA	1819 1.58	SU	1259 4.96
			1932 1.13
<b>11</b>	0020 3.94	<b>26</b>	0133 4.58
	0618 1.88		0749 1.62
SU	1244 4.34	MO	1359 4.57
	1859 1.75		2034 1.38
<b>12</b>	0109 3.78	<b>27</b>	0243 4.43
	0707 2.17		0911 1.89
MO	1335 4.09	TU	1508 4.23
	1956 1.90	●	2148 1.54
<b>13</b>	0224 3.70	<b>28</b>	0402 4.41
	0846 2.37		1039 1.93
TU	1444 3.91	WE	1628 4.05
●	2125 1.94		2306 1.54
<b>14</b>	0358 3.81	<b>29</b>	0520 4.56
	1028 2.27		1157 1.76
WE	1604 3.87	TH	1743 4.07
	2241 1.78		
<b>15</b>	0510 4.11	<b>30</b>	0014 1.39
	1130 2.01		0626 4.81
TH	1715 3.99	FR	1257 1.53
	2339 1.54		1843 4.20
<b>31</b>	0109 1.22		
	0717 5.03		
	SA		
	1347 1.35		
	1931 4.34		

## FEBRUARY

Time	m	Time	m
<b>1</b>	0154 1.08	<b>16</b>	0102 1.12
	0758 5.17		0714 5.23
SU	1427 1.24	MO	1344 1.04
	2010 4.44		1929 4.70
<b>2</b>	0231 1.00	<b>17</b>	0154 0.80
	0835 5.24		0800 5.53
MO	1501 1.19	TU	1433 0.74
	2044 4.51		2015 4.95
<b>3</b>	0303 0.97	<b>18</b>	0241 0.54
	0907 5.26		0844 5.74
TU	1531 1.17	WE	1518 0.51
	2116 4.56		2059 5.15
<b>4</b>	0332 0.98	<b>19</b>	0325 0.39
	0936 5.23		0926 5.82
WE	1556 1.15	TH	1602 0.39
○	2145 4.57	●	2143 5.28
<b>5</b>	0358 1.01	<b>20</b>	0408 0.36
	1002 5.18		1009 5.77
TH	1621 1.15	FR	1643 0.40
	2212 4.57		2229 5.31
<b>6</b>	0423 1.09	<b>21</b>	0450 0.49
	1028 5.08		1054 5.57
FR	1645 1.18	SA	1724 0.54
	2240 4.53		2317 5.23
<b>7</b>	0449 1.21	<b>22</b>	0534 0.78
	1056 4.93		1140 5.24
SA	1712 1.25	SU	1809 0.81
	2310 4.44		
<b>8</b>	0517 1.41	<b>23</b>	0009 5.04
	1125 4.71		0624 1.19
SU	1741 1.39	MO	1231 4.81
	2341 4.30		1857 1.18
<b>9</b>	0549 1.67	<b>24</b>	0105 4.78
	1157 4.45		0723 1.64
MO	1814 1.58	TU	1328 4.35
			1956 1.56
<b>10</b>	0017 4.14	<b>25</b>	0211 4.51
	0627 1.96		0846 1.98
TU	1236 4.16	WE	1440 3.96
	1854 1.79		2115 1.83
<b>11</b>	0106 3.98	<b>26</b>	0332 4.36
	0724 2.25		1021 2.05
WE	1333 3.89	TH	1609 3.79
	1956 1.99	●	2244 1.87
<b>12</b>	0237 3.89	<b>27</b>	0456 4.43
	0929 2.35		1141 1.86
TH	1508 3.74	FR	1730 3.91
●	2143 2.01		2358 1.68
<b>13</b>	0417 4.06	<b>28</b>	0603 4.65
	1053 2.12		1240 1.60
FR	1639 3.83	SA	1829 4.15
	2302 1.78		
<b>14</b>	0529 4.43	<b>29</b>	0529 4.43
	1156 1.76		1156 1.76
SA	1746 4.10		
<b>15</b>	0006 1.46	<b>30</b>	0026 1.66
	0624 4.84		0621 4.66
SU	1252 1.39	MO	1256 1.43
	1840 4.41		1850 4.36

## MARCH

Time	m	Time	m
<b>1</b>	0052 1.44	<b>16</b>	0557 4.84
	0654 4.88		1230 1.29
SU	1326 1.38	MO	1821 4.47
	1914 4.36		
<b>2</b>	0135 1.25	<b>17</b>	0043 1.21
	0735 5.04		0650 5.20
MO	1403 1.25	TU	1323 0.91
	1951 4.53		1911 4.83
<b>3</b>	0212 1.12	<b>18</b>	0137 0.86
	0810 5.13		0738 5.48
TU	1435 1.18	WE	1412 0.61
	2024 4.64		1957 5.12
<b>4</b>	0243 1.05	<b>19</b>	0224 0.59
	0841 5.16		0822 5.64
WE	1502 1.13	TH	1456 0.41
	2054 4.72		2041 5.36
<b>5</b>	0311 1.01	<b>20</b>	0309 0.43
	0908 5.16		0904 5.67
TH	1526 1.08	FR	1538 0.31
	2121 4.77	●	2124 5.50
<b>6</b>	0336 1.01	<b>21</b>	0352 0.40
	0933 5.12		0946 5.58
FR	1550 1.04	SA	1618 0.35
○	2147 4.81		2209 5.54
<b>7</b>	0401 1.05	<b>22</b>	0434 0.53
	0959 5.03		1029 5.34
SA	1615 1.05	SU	1658 0.53
	2214 4.79		2256 5.44
<b>8</b>	0428 1.14	<b>23</b>	0517 0.81
	1025 4.89		1115 4.98
SU	1642 1.11	MO	1739 0.85
	2241 4.73		2345 5.21
<b>9</b>	0456 1.30	<b>24</b>	0604 1.21
	1054 4.69		1204 4.55
MO	1710 1.25	TU	1823 1.26
	2310 4.62		
<b>10</b>	0526 1.52	<b>25</b>	0038 4.89
	1123 4.44		0700 1.64
TU	1739 1.44	WE	1259 4.10
	2342 4.47		1917 1.70
<b>11</b>	0602 1.78	<b>26</b>	0140 4.56
	1159 4.17		0819 1.97
WE	1814 1.67	TH	1410 3.75
			2037 2.04
<b>12</b>	0026 4.29	<b>27</b>	0256 4.32
	0652 2.06		0952 2.06
TH	1251 3.89	FR	1547 3.63
	1904 1.93	●	2213 2.11
<b>13</b>	0139 4.12	<b>28</b>	0423 4.30
	0839 2.24		1114 1.90
FR	1426 3.69	SA	1708 3.80
	2047 2.09		2331 1.92
<b>14</b>	0329 4.16	<b>29</b>	0530 4.46
	1020 2.05		1212 1.65
SA	1609 3.78	SU	1806 4.09
●	2228 1.92		
<b>15</b>	0453 4.45	<b>30</b>	0026 1.66
	1129 1.69		0621 4.66
SU	1722 4.10	MO	1256 1.43
	2341 1.59		1850 4.36
<b>31</b>	0109 1.43		
	0703 4.83		
	TU		
	1331 1.28		
	1926 4.57		

## APRIL

Time	m	Time	m
<b>1</b>	0145 1.27	<b>16</b>	0118 0.95
	0739 4.93		0713 5.28
WE	1402 1.17	TH	1348 0.56
	1959 4.72		1939 5.22
<b>2</b>	0217 1.16	<b>17</b>	0208 0.71
	0810 4.97		0758 5.35
TH	1429 1.08	FR	1432 0.41
	2029 4.83		2023 5.44
<b>3</b>	0246 1.10	<b>18</b>	0253 0.58
	0838 4.97		0841 5.33
FR	1455 1.01	SA	1514 0.36
	2056 4.91		2106 5.58
<b>4</b>	0313 1.07	<b>19</b>	0336 0.57
	0905 4.94		0923 5.21
SA	1520 0.96	SU	1552 0.43
○	2122 4.96	●	2150 5.60
<b>5</b>	0340 1.07	<b>20</b>	0418 0.68
	0931 4.86		1006 4.98
SU	1546 0.96	MO	1632 0.62
	2150 4.98		2236 5.49
<b>6</b>	0408 1.13	<b>21</b>	0501 0.91
	0959 4.73		1052 4.67
MO	1614 1.02	TU	1711 0.93
	2216 4.94		2324 5.25
<b>7</b>	0437 1.24	<b>22</b>	0547 1.23
	1028 4.56		1140 4.30
TU	1643 1.15	WE	1753 1.32
	2246 4.85		
<b>8</b>	0510 1.41	<b>23</b>	0014 4.94
	1100 4.35		0639 1.58
WE	1713 1.33	TH	1233 3.95
	2321 4.72		1840 1.73
<b>9</b>	0548 1.63	<b>24</b>	0109 4.60
	1140 4.12		0746 1.87
TH	1749 1.57	FR	1337 3.66
			1950 2.08
<b>10</b>	0007 4.54	<b>25</b>	0213 4.33
	0643 1.86		0907 2.00
FR	1236 3.88	SA	1507 3.54
	1839 1.83		2126 2.23
<b>11</b>	0119 4.36	<b>26</b>	0333 4.20
	0817 1.99		1027 1.92
SA	1408 3.72	SU	1633 3.70
	2017 2.03	●	2249 2.12
<b>12</b>	0257 4.35	<b>27</b>	0445 4.26
	0950 1.82		1128 1.73
SU	1543 3.85	MO	1732 3.98
●	2159 1.92		2349 1.89
<b>13</b>	0419 4.54	<b>28</b>	0540 4.40
	1102 1.50		1214 1.52
MO	1658 4.17	TU	1818 4.26
	2317 1.62		
<b>14</b>	0527 4.83	<b>29</b>	0034 1.65
	1205 1.14		0624 4.54
TU	1759 4.56	WE	1250 1.34
			1857 4.51
<b>15</b>	0023 1.27	<b>30</b>	0113 1.45
	0624 5.10		0702 4.65
WE	1259 0.81	TH	1323 1.19
	1852 4.92		1930 4.70

# AUSTRALIA, EAST COAST – PORT ALMA

LAT 23° 35' S LONG 150° 52' E

Times and Heights of High and Low Waters

# 2015

Time Zone -1000

MAY		JUNE		JULY		AUGUST					
Time	m	Time	m	Time	m	Time	m				
<b>1</b>	0147 1.31	<b>16</b>	0153 0.89	<b>1</b>	0227 1.19	<b>16</b>	0314 0.93	<b>1</b>	0358 0.51	<b>16</b>	0413 0.95
	0735 4.70		0738 4.95		0810 4.49		0853 4.46		0938 4.74		1005 4.40
FR	1354 1.07	SA	1410 0.53	MO	1426 0.89	TU	1517 0.74	WE	1446 0.76	TH	1541 0.86
	2001 4.85		2008 5.40		2038 5.08		2124 5.37		2058 5.26	●	2147 5.20
<b>2</b>	0219 1.20	<b>17</b>	0239 0.79	<b>2</b>	0302 1.10	<b>17</b>	0354 0.95	<b>2</b>	0328 0.89	<b>17</b>	0413 1.00
	0806 4.72		0822 4.90		0846 4.49		0935 4.39		0909 4.49		0957 4.29
SA	1422 0.98	SU	1453 0.51	TU	1501 0.84	WE	1555 0.83	TH	1527 0.69	FR	1613 0.95
	2030 4.96		2052 5.51		2112 5.16	●	2204 5.29	○	2137 5.35	FR	2221 5.10
<b>3</b>	0249 1.14	<b>18</b>	0323 0.77	<b>3</b>	0340 1.04	<b>18</b>	0432 1.03	<b>3</b>	0411 0.80	<b>18</b>	0444 1.06
	0836 4.70		0905 4.79		0922 4.46		1016 4.28		0951 4.52		1032 4.24
SU	1451 0.92	MO	1532 0.58	WE	1537 0.85	TH	1631 0.99	FR	1608 0.69	SA	1643 1.08
	2059 5.05	●	2136 5.51	○	2146 5.19		2244 5.15		2218 5.36		2251 4.95
<b>4</b>	0320 1.10	<b>19</b>	0405 0.84	<b>4</b>	0418 1.04	<b>19</b>	0510 1.15	<b>4</b>	0455 0.77	<b>19</b>	0512 1.15
	0906 4.65		0949 4.63		1000 4.41		1057 4.15		1035 4.51		1105 4.15
MO	1521 0.90	TU	1611 0.74	TH	1613 0.91	FR	1706 1.21	SA	1651 0.76	SU	1710 1.25
○	2128 5.08		2219 5.41		2224 5.17		2322 4.95		2303 5.30		2321 4.77
<b>5</b>	0352 1.11	<b>20</b>	0447 0.99	<b>5</b>	0501 1.08	<b>20</b>	0545 1.31	<b>5</b>	0541 0.80	<b>20</b>	0540 1.25
	0938 4.56		1033 4.41		1042 4.33		1136 4.00		1125 4.47		1139 4.05
TU	1552 0.95	WE	1649 0.99	FR	1654 1.03	SA	1740 1.45	SU	1737 0.92	MO	1739 1.47
	2158 5.07		2304 5.21		2308 5.09		2359 4.72		2353 5.16		2353 4.55
<b>6</b>	0425 1.18	<b>21</b>	0529 1.21	<b>6</b>	0548 1.16	<b>21</b>	0621 1.48	<b>6</b>	0631 0.89	<b>21</b>	0610 1.39
	1011 4.44		1119 4.16		1132 4.23		1217 3.85		1222 4.41		1216 3.92
WE	1624 1.05	TH	1729 1.30	SA	1740 1.21	SU	1814 1.71	MO	1830 1.15	TU	1812 1.72
	2231 5.01		2348 4.94								
<b>7</b>	0502 1.29	<b>22</b>	0614 1.46	<b>7</b>	0644 1.24	<b>22</b>	0702 1.63	<b>7</b>	0631 0.89	<b>22</b>	0610 1.39
	1048 4.28		1206 3.91		1232 4.14		1305 3.71		1222 4.41		1216 3.92
TH	1658 1.21	FR	1809 1.64	SU	1837 1.42	MO	1857 1.98	TU	1933 1.42	WE	1302 3.78
	2311 4.90										1854 2.00
<b>8</b>	0546 1.44	<b>23</b>	0635 4.65	<b>8</b>	0749 1.28	<b>23</b>	0755 1.76	<b>8</b>	0728 1.00	<b>23</b>	0734 1.73
	1134 4.11		0705 1.69		0749 1.28		1408 3.62		0728 1.00		1406 3.67
FR	1739 1.43	SA	1259 3.70	MO	1343 4.11	TU	1408 3.62	WE	1433 4.34	TH	1406 3.67
			1858 1.96		1950 1.61		2015 2.20		2050 1.61		2009 2.25
<b>9</b>	0602 4.74	<b>24</b>	0705 1.69	<b>9</b>	0749 1.28	<b>24</b>	0853 4.62	<b>9</b>	0830 1.10	<b>24</b>	0853 4.62
	0645 1.59		0705 1.69		0857 1.25		0908 1.81		0830 1.10		0853 4.62
SA	1235 3.94	SU	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	1836 1.68		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>10</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85		1456 4.19		1533 3.65		0938 1.15		0853 1.83
SU	1357 3.88	MO	1406 3.57	TU	1456 4.19	WE	1533 3.65	TH	1545 4.40	FR	1532 3.70
	2003 1.85		2017 2.19		2111 1.67	●	2154 2.23	○	2213 1.66	●	2209 2.23
<b>11</b>	0613 4.60	<b>25</b>	0808 1.85	<b>10</b>	0857 1.25	<b>25</b>	0908 1.81	<b>10</b>	0938 1.15	<b>25</b>	0853 1.83
	0805 1.64		0808 1.85								

# AUSTRALIA, EAST COAST – PORT ALMA

LAT 23° 35' S LONG 150° 52' E  
Times and Heights of High and Low Waters

# 2015

Time Zone -1000

## SEPTEMBER

Time	m	Time	m
<b>1</b>	0501 0.30	<b>16</b>	0429 0.93
	1053 5.06		1032 4.51
TU	1713 0.57	WE	1645 1.21
	2313 5.15		2242 4.49
<b>2</b>	0545 0.52	<b>17</b>	0456 1.07
	1145 4.94		1101 4.40
WE	1800 0.92	TH	1715 1.42
			2310 4.23
<b>3</b>	0003 4.75	<b>18</b>	0524 1.27
	0633 0.85		1132 4.24
TH	1243 4.74	FR	1750 1.67
	1858 1.32		2342 3.94
<b>4</b>	0101 4.29	<b>19</b>	0558 1.51
	0731 1.21		1212 4.06
FR	1348 4.52	SA	1834 1.95
	2014 1.68		
<b>5</b>	0210 3.89	<b>20</b>	0026 3.65
	0845 1.50		0641 1.77
SA	1502 4.36	SU	1318 3.90
☉	2145 1.80		2000 2.16
<b>6</b>	0336 3.67	<b>21</b>	0147 3.40
	1009 1.59		0808 1.97
SU	1623 4.38	MO	1505 3.92
	2311 1.66	☉	2158 2.02
<b>7</b>	0503 3.74	<b>22</b>	0345 3.45
	1127 1.46		1002 1.86
MO	1736 4.56	TU	1628 4.18
			2308 1.66
<b>8</b>	0018 1.38	<b>23</b>	0501 3.76
	0608 3.97		1114 1.54
TU	1228 1.24	WE	1732 4.56
	1833 4.78		
<b>9</b>	0108 1.13	<b>24</b>	0007 1.24
	0657 4.21		0558 4.16
WE	1316 1.05	TH	1214 1.17
	1918 4.94		1825 4.93
<b>10</b>	0149 0.98	<b>25</b>	0059 0.84
	0737 4.37		0647 4.54
TH	1356 0.94	FR	1309 0.83
	1956 5.02		1913 5.23
<b>11</b>	0223 0.91	<b>26</b>	0147 0.51
	0811 4.48		0733 4.86
FR	1431 0.89	SA	1358 0.56
	2028 5.04		1957 5.42
<b>12</b>	0252 0.88	<b>27</b>	0232 0.27
	0842 4.55		0817 5.11
SA	1500 0.88	SU	1444 0.38
	2057 5.01		2039 5.50
<b>13</b>	0317 0.86	<b>28</b>	0314 0.14
	0911 4.58		0900 5.28
SU	1528 0.90	MO	1528 0.31
☉	2123 4.95	☉	2121 5.44
<b>14</b>	0340 0.85	<b>29</b>	0355 0.13
	0938 4.60		0945 5.35
MO	1552 0.96	TU	1612 0.38
	2148 4.85		2204 5.25
<b>15</b>	0404 0.86	<b>30</b>	0435 0.26
	1004 4.58		1032 5.30
TU	1618 1.05	WE	1657 0.60
	2214 4.70		2250 4.92

## OCTOBER

Time	m	Time	m
<b>1</b>	0517 0.54	<b>16</b>	0428 1.00
	1124 5.13		1035 4.64
TH	1745 0.94	FR	1657 1.35
	2340 4.51		2245 4.17
<b>2</b>	0603 0.93	<b>17</b>	0457 1.20
	1221 4.87		1106 4.50
FR	1842 1.34	SA	1733 1.56
			2320 3.94
<b>3</b>	0038 4.06	<b>18</b>	0530 1.43
	0659 1.35		1148 4.34
SA	1323 4.59	SU	1820 1.78
	1955 1.67		
<b>4</b>	0147 3.69	<b>19</b>	0006 3.69
	0815 1.70		0614 1.70
SU	1434 4.37	MO	1250 4.17
	2124 1.80		1938 1.94
<b>5</b>	0317 3.52	<b>20</b>	0124 3.48
	0944 1.82		0732 1.93
MO	1554 4.31	TU	1426 4.13
☉	2248 1.68		2121 1.84
<b>6</b>	0445 3.66	<b>21</b>	0312 3.54
	1104 1.68		0926 1.89
TU	1706 4.43	WE	1550 4.31
	2353 1.42	☉	2235 1.52
<b>7</b>	0548 3.96	<b>22</b>	0432 3.86
	1205 1.44		1045 1.61
WE	1802 4.61	TH	1657 4.60
			2337 1.13
<b>8</b>	0040 1.18	<b>23</b>	0534 4.28
	0634 4.24		1151 1.26
TH	1252 1.23	FR	1755 4.90
	1847 4.75		
<b>9</b>	0118 1.02	<b>24</b>	0033 0.76
	0713 4.46		0626 4.68
FR	1330 1.09	SA	1248 0.93
	1924 4.84		1846 5.12
<b>10</b>	0151 0.92	<b>25</b>	0122 0.46
	0747 4.61		0713 5.03
SA	1405 1.01	SU	1340 0.68
	1957 4.87		1932 5.24
<b>11</b>	0219 0.86	<b>26</b>	0208 0.26
	0817 4.71		0758 5.28
SU	1435 0.97	MO	1428 0.52
	2027 4.86		2017 5.25
<b>12</b>	0245 0.81	<b>27</b>	0251 0.17
	0846 4.77		0842 5.45
MO	1503 0.97	TU	1513 0.46
	2054 4.80	☉	2100 5.16
<b>13</b>	0309 0.79	<b>28</b>	0331 0.20
	0913 4.80		0927 5.51
TU	1530 1.00	WE	1557 0.53
	2120 4.71		2144 4.97
<b>14</b>	0334 0.80	<b>29</b>	0411 0.35
	0939 4.79		1014 5.45
WE	1557 1.07	TH	1643 0.71
	2147 4.58		2230 4.68
<b>15</b>	0400 0.87	<b>30</b>	0453 0.63
	1006 4.74		1104 5.26
TH	1625 1.18	FR	1731 0.99
	2216 4.39		2320 4.33
<b>31</b>	0537 1.01		
	1158 4.99		
SA	1824 1.32		

## NOVEMBER

Time	m	Time	m
<b>1</b>	0014 3.96	<b>16</b>	0516 1.32
	0628 1.43		1137 4.64
SU	1255 4.69	MO	1816 1.57
	1928 1.61		
<b>2</b>	0118 3.65	<b>17</b>	0000 3.84
	0736 1.80		0603 1.57
MO	1358 4.42	TU	1238 4.50
	2045 1.77		1925 1.66
<b>3</b>	0240 3.49	<b>18</b>	0112 3.71
	0902 1.99		0716 1.80
TU	1511 4.26	WE	1358 4.43
☉	2204 1.74		2048 1.60
<b>4</b>	0411 3.60	<b>19</b>	0242 3.76
	1025 1.93		0853 1.84
WE	1623 4.27	TH	1514 4.49
	2312 1.57	☉	2201 1.39
<b>5</b>	0516 3.88	<b>20</b>	0401 4.02
	1130 1.73		1016 1.67
TH	1722 4.38	FR	1623 4.62
			2306 1.10
<b>6</b>	0002 1.36	<b>21</b>	0508 4.39
	0605 4.19		1127 1.40
FR	1219 1.52	SA	1725 4.77
	1809 4.50		
<b>7</b>	0041 1.17	<b>22</b>	0005 0.81
	0645 4.45		0605 4.77
SA	1300 1.34	SU	1229 1.13
	1849 4.60		1821 4.88
<b>8</b>	0114 1.03	<b>23</b>	0059 0.57
	0720 4.65		0657 5.10
SU	1336 1.22	MO	1324 0.91
	1925 4.65		1912 4.93
<b>9</b>	0145 0.92	<b>24</b>	0147 0.42
	0752 4.80		0744 5.35
MO	1409 1.14	TU	1415 0.76
	1956 4.66		1958 4.91
<b>10</b>	0213 0.85	<b>25</b>	0231 0.36
	0822 4.90		0830 5.51
TU	1439 1.09	WE	1501 0.70
	2027 4.63		2043 4.84
<b>11</b>	0241 0.80	<b>26</b>	0312 0.38
	0850 4.95		0914 5.56
WE	1509 1.09	TH	1546 0.73
	2056 4.57	☉	2128 4.71
<b>12</b>	0308 0.80	<b>27</b>	0352 0.51
	0918 4.97		0959 5.51
TH	1540 1.11	FR	1630 0.84
☉	2126 4.47		2213 4.52
<b>13</b>	0338 0.85	<b>28</b>	0433 0.73
	0947 4.95		1047 5.35
FR	1611 1.17	SA	1715 1.03
	2157 4.34		2301 4.28
<b>14</b>	0407 0.95	<b>29</b>	0515 1.04
	1017 4.88		1134 5.10
SA	1646 1.28	SU	1802 1.27
	2230 4.19		2349 4.02
<b>15</b>	0439 1.11	<b>30</b>	0559 1.40
	1053 4.77		1224 4.82
SU	1726 1.42	MO	1853 1.51
	2310 4.02		

## DECEMBER

Time	m	Time	m
<b>1</b>	0041 3.78	<b>16</b>	0600 1.36
	0649 1.76		1226 4.84
TU	1315 4.54	WE	1909 1.37
	1951 1.71		
<b>2</b>	0144 3.60	<b>17</b>	0057 4.06
	0759 2.04		0703 1.59
WE	1413 4.30	TH	1332 4.71
	2059 1.81		2017 1.39
<b>3</b>	0310 3.57	<b>18</b>	0213 4.06
	0925 2.15		0824 1.75
TH	1521 4.16	FR	1442 4.61
☉	2209 1.77		2127 1.32
<b>4</b>	0430 3.74	<b>19</b>	0330 4.19
	1040 2.06		0948 1.74
FR	1630 4.14	SA	1552 4.56
	2308 1.62	☉	2235 1.18
<b>5</b>	0527 4.03	<b>20</b>	0442 4.45
	1138 1.88		1106 1.59
SA	1725 4.22	SU	1659 4.55
	2355 1.44		2340 1.00
<b>6</b>	0613 4.32	<b>21</b>	0548 4.77
	1225 1.67		1214 1.38
SU	1812 4.31	MO	1802 4.58
<b>7</b>	0035 1.25	<b>22</b>	0039 0.82
	0652 4.58		0645 5.08
MO	1306 1.49	TU	1313 1.17
	1852 4.39		1859 4.61
<b>8</b>	0111 1.10	<b>23</b>	0131 0.69
	0727 4.78		0737 5.32
TU	1342 1.35	WE	1406 1.01
	1928 4.45		1949 4.62
<b>9</b>	0144 0.97	<b>24</b>	0218 0.61
	0759 4.94		0824 5.47
WE	1417 1.24	TH	1454 0.92
	2002 4.48		2034 4.61
<b>10</b>	0215 0.88	<b>25</b>	0300 0.60
	0830 5.05		0907 5.53
TH	1451 1.17	FR	1538 0.90
	2036 4.48	☉	2117 4.58
<b>11</b>	0248 0.83	<b>26</b>	0340 0.66
	0901 5.13		0947 5.50
FR	1526 1.12	SA	1618 0.94
☉	2109 4.46		2159 4.50
<b>12</b>	0321 0.82	<b>27</b>	0418 0.80
	0933 5.16		1028 5.39
SA	1602 1.11	SU	1656 1.05