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TOWNSVILLE – QUEENSLAND

LAT 19° 15' S LONG 146° 50' E

Times and Heights of High and Low Waters

2021

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0330 0.80 1040 3.35 FR 1720 1.60 2152 2.40		16 0426 0.92 1129 3.34 SA 1843 1.52 2325 2.36		1 0438 0.95 1136 3.43 MO 1821 1.42 2339 2.59		16 0436 1.55 1145 2.77 TU 1900 1.75		1 0344 0.70 1021 3.72 MO 1637 1.07 2229 3.13		16 0345 1.40 1019 2.92 TU 1624 1.46 2251 2.73		1 0545 1.52 1114 2.86 TH 1729 1.14		16 0418 1.98 0938 2.30 FR 1554 1.45 2359 2.65	
2 0408 0.91 1123 3.29 SA 1816 1.62 2250 2.29		17 0458 1.21 1211 3.07 SU 1949 1.60		2 0529 1.25 1223 3.21 TU 1927 1.45		17 0022 2.30 0454 1.87 WE 1217 2.49 2039 1.80		2 0424 0.98 1100 3.47 TU 1720 1.17 2321 2.97		17 0403 1.66 1032 2.66 WE 1627 1.57 2333 2.57		2 0016 3.04 0736 1.78 FR 1216 2.42 1856 1.38		17 0720 2.12 0845 2.13 SA 1600 1.59	
3 0453 1.07 1212 3.20 SU 1923 1.59		18 0024 2.19 0534 1.52 MO 1300 2.81 2106 1.61		3 0050 2.47 0700 1.58 WE 1319 2.95 2044 1.42		18 0226 2.20 0457 2.16 TH 1313 2.24 2222 1.72		3 0518 1.36 1145 3.12 WE 1820 1.31		18 0420 1.93 1029 2.42 TH 1630 1.69		3 0220 2.89 0955 1.71 SA 1428 2.14 2105 1.48		18 0117 2.54 1536 1.74 SU 1843 1.80 1925 1.80	
4 0003 2.19 0558 1.28 MO 1307 3.11 2036 1.50		19 0202 2.09 0644 1.83 TU 1411 2.60 2223 1.51		4 0248 2.45 0908 1.78 TH 1439 2.72 2206 1.30		19 0606 2.45 1220 1.99 FR 1735 2.17 2323 1.57		4 0027 2.78 0709 1.74 TH 1240 2.73 1945 1.43		19 0034 2.42 0431 2.18 FR 0907 2.22 1622 1.80		4 0435 3.08 1123 1.41 SU 1648 2.27 2251 1.35		19 0410 2.62 1204 1.69 MO 1747 1.94 2155 1.74	
5 0132 2.15 0737 1.48 TU 1413 3.02 2145 1.34		20 0426 2.20 1015 1.97 WE 1558 2.48 2320 1.38		5 0450 2.71 1106 1.73 FR 1615 2.62 2315 1.11		20 0617 2.69 1253 1.81 SA 1813 2.25 ☉		5 0227 2.66 0933 1.86 FR 1414 2.40 2133 1.44		20 0544 2.44 1453 1.88 SA 1825 1.97 2213 1.82		5 0539 3.33 1216 1.15 MO 1751 2.52 2357 1.16		20 0500 2.83 1206 1.53 TU 1736 2.14 ☉ 2303 1.55	
6 0330 2.29 0919 1.58 WE 1524 2.97 ☉ 2243 1.13		21 0551 2.45 1153 1.89 TH 1719 2.47 ☉		6 0559 3.06 1223 1.52 SA 1730 2.66		21 0000 1.42 0636 2.91 SU 1315 1.66 1834 2.34		6 0452 2.91 1127 1.64 SA 1636 2.37 ☉ 2307 1.27		21 0545 2.67 1245 1.75 SU 1819 2.10 2317 1.65		6 0621 3.50 1258 0.97 TU 1831 2.75		21 0531 3.05 1223 1.36 WE 1750 2.38 2345 1.33	
7 0452 2.57 1050 1.56 TH 1627 2.95 2331 0.92		22 0000 1.25 0628 2.69 FR 1246 1.77 1803 2.47		7 0010 0.91 0645 3.37 SU 1316 1.31 1824 2.74		22 0030 1.27 0658 3.10 MO 1335 1.54 1848 2.44		7 0558 3.24 1230 1.36 SU 1752 2.53		22 0601 2.88 1250 1.59 MO 1820 2.24 ☉ 2356 1.45		7 0044 1.01 0654 3.57 WE 1333 0.89 1904 2.92		22 0559 3.27 1245 1.17 TH 1813 2.65	
8 0551 2.90 1204 1.46 FR 1721 2.95		23 0030 1.15 0656 2.90 SA 1323 1.67 1833 2.47		8 0055 0.74 0725 3.61 MO 1400 1.16 1908 2.85		23 0056 1.11 0719 3.28 TU 1356 1.44 1903 2.58		8 0008 1.06 0641 3.50 MO 1315 1.14 1838 2.72		23 0621 3.09 1305 1.45 TU 1829 2.42		8 0120 0.94 0723 3.58 TH 1403 0.88 1933 3.05		23 0020 1.11 0626 3.47 FR 1308 0.98 1840 2.94	
9 0015 0.73 0639 3.22 SA 1303 1.33 1810 2.96		24 0055 1.06 0720 3.07 SU 1351 1.59 1854 2.49		9 0133 0.60 0800 3.78 TU 1440 1.07 1947 2.94		24 0120 0.94 0744 3.47 WE 1417 1.33 1922 2.75		9 0054 0.88 0715 3.67 TU 1353 1.00 1914 2.89		24 0026 1.23 0644 3.30 WE 1324 1.31 1843 2.63		9 0150 0.94 0749 3.53 FR 1430 0.91 2002 3.13		24 0054 0.92 0654 3.64 SA 1331 0.78 1914 3.23	
10 0053 0.57 0722 3.50 SU 1355 1.22 1856 2.96		25 0117 0.97 0745 3.22 MO 1416 1.53 1911 2.53		10 0207 0.53 0834 3.86 WE 1516 1.05 2025 3.00		25 0144 0.76 0810 3.64 TH 1440 1.22 1947 2.94		10 0131 0.76 0746 3.75 WE 1426 0.95 1945 3.03		25 0053 1.01 0708 3.52 TH 1345 1.16 1903 2.88		10 0213 1.00 0815 3.44 SA 1450 0.97 2031 3.17		25 0128 0.79 0725 3.75 SU 1357 0.60 1952 3.48	
11 0130 0.44 0803 3.71 MO 1442 1.14 1941 2.94		26 0139 0.87 0810 3.36 TU 1441 1.47 1930 2.61		11 0237 0.52 0909 3.84 TH 1550 1.10 2100 3.00		26 0209 0.62 0838 3.79 FR 1505 1.13 2020 3.10		11 0201 0.71 0815 3.76 TH 1456 0.97 2015 3.11		26 0120 0.81 0734 3.71 FR 1407 1.00 1931 3.13		11 0232 1.10 0838 3.29 SU 1505 1.03 2100 3.15		26 0205 0.75 0800 3.74 MO 1424 0.48 2035 3.65	
12 0207 0.38 0845 3.83 TU 1527 1.12 2026 2.90		27 0200 0.76 0836 3.49 WE 1506 1.42 1956 2.71		12 0305 0.60 0943 3.74 FR 1623 1.20 2136 2.94		27 0237 0.53 0910 3.88 SA 1531 1.05 2059 3.20		12 0226 0.73 0845 3.71 FR 1521 1.03 2046 3.14		27 0148 0.65 0803 3.86 SA 1430 0.85 2006 3.35		12 0251 1.23 0858 3.11 MO 1515 1.09 2129 3.10		27 0247 0.83 0837 3.60 TU 1456 0.44 2121 3.71	
13 0244 0.39 0926 3.84 WE 1612 1.16 2110 2.82		28 0225 0.67 0906 3.59 TH 1534 1.37 2029 2.79		13 0330 0.75 1015 3.56 SA 1656 1.34 2210 2.82		28 0309 0.55 0944 3.86 SU 1601 1.03 2141 3.21		13 0247 0.81 0913 3.58 SA 1544 1.12 2116 3.10		28 0218 0.58 0835 3.92 SU 1456 0.74 2046 3.49		13 0310 1.39 0914 2.92 TU 1524 1.16 2159 3.03		28 0340 1.02 0918 3.33 WE 1531 0.53 2211 3.64	
14 0319 0.49 1007 3.75 TH 1658 1.25 2154 2.70		29 0253 0.61 0939 3.66 FR 1605 1.35 2107 2.82		14 0354 0.98 1046 3.32 SU 1728 1.49 2245 2.66		15 0416 1.25 1115 3.05 MO 1805 1.64 2327 2.47		14 0307 0.96 0938 3.40 SU 1602 1.23 2146 3.01		29 0253 0.63 0910 3.84 MO 1525 0.70 2130 3.53		14 0330 1.58 0925 2.71 WE 1532 1.24 2230 2.92		29 0447 1.28 1004 2.96 TH 1614 0.72 2306 3.46	
15 0354 0.67 1047 3.58 FR 1746 1.38 2238 2.54		30 0324 0.63 1015 3.67 SA 1642 1.35 2151 2.80		15 0416 1.25 1115 3.05 MO 1805 1.64 2327 2.47		31 0423 1.15 1028 3.28 WE 1636 0.91 2311 3.27						15 0352 1.78 0932 2.50 TH 1544 1.33 2309 2.79		30 0609 1.52 1059 2.56 FR 1709 0.99	

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +10:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

TOWNSVILLE – QUEENSLAND

LAT 19° 15' S LONG 146° 50' E

Times and Heights of High and Low Waters

2021

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1	0117 1.39	16	0051 0.94	1	0100 1.19	16	0109 0.64	1	0054 0.86	16	0145 0.65	1	0041 0.61	16	0145 0.77
	0633 2.13		0613 2.47		0626 2.24		0641 2.77		0629 2.72		0733 3.04		0642 3.09		0800 3.15
WE	1216 1.11	TH	1220 0.71	FR	1212 1.07	SA	1252 0.74	MO	1233 0.92	TU	1351 1.18	WE	1254 1.09	TH	1430 1.49
	1850 2.95		1851 3.51		1833 3.11		1901 3.49		1834 3.39		1928 3.01		1827 3.30		1931 2.61
2	0136 1.28	17	0130 0.77	2	0116 1.09	17	0142 0.61	2	0115 0.68	17	0205 0.70	2	0107 0.42	17	0201 0.80
	0650 2.22		0649 2.67		0637 2.41		0712 2.92		0656 2.99		0805 3.09		0721 3.37		0829 3.20
TH	1244 0.98	FR	1302 0.58	SA	1237 0.91	SU	1326 0.75	TU	1305 0.82	WE	1421 1.29	TH	1341 1.05	FR	1459 1.54
	1913 3.10		1925 3.61		1856 3.27		1930 3.44		1901 3.48		1950 2.85		1904 3.28		1950 2.51
3	0154 1.21	18	0204 0.69	3	0134 0.98	18	0209 0.63	3	0136 0.50	18	0220 0.75	3	0136 0.28	18	0215 0.82
	0703 2.32		0722 2.82		0653 2.61		0743 3.01		0730 3.24		0835 3.10		0804 3.60		0858 3.21
FR	1308 0.85	SA	1337 0.51	SU	1302 0.76	MO	1355 0.83	WE	1341 0.78	TH	1449 1.41	FR	1431 1.06	SA	1527 1.58
	1935 3.24		1955 3.65		1918 3.42		1956 3.33		1932 3.50		2007 2.68		1945 3.17		2007 2.42
4	0212 1.14	19	0235 0.68	4	0153 0.85	19	0232 0.69	4	0159 0.36	19	0230 0.81	4	0210 0.21	19	0231 0.84
	0717 2.46		0755 2.93		0715 2.83		0814 3.04		0809 3.43		0906 3.08		0851 3.73		0927 3.21
SA	1330 0.72	SU	1407 0.53	MO	1328 0.64	TU	1420 0.96	TH	1421 0.84	FR	1517 1.54	SA	1530 1.12	SU	1556 1.63
	1959 3.37		2025 3.60		1944 3.54		2021 3.17		2007 3.40		2021 2.52		2030 2.99		2027 2.36

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