

NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

JANUARY 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Tu	0302	1.3	9 We	0320	0.3	17 Th	0301	1.2	25 Fr	0410	0.1
	0909	0.3		0940	1.3		0912	0.4		1028	1.5
	1519	1.3		1555	0.3		1517	1.2		1646	0.1
	2139	0.2		2154	1.2		2137	0.3		2257	1.4
2 We	0400	1.3	10 Th	0402	0.3	18 Fr	0354	1.3	26 Sa	0506	0.1
	1007	0.3		1021	1.3		1007	0.4		1122	1.5
	1615	1.3		1637	0.3		1612	1.3		1740	0.1
	2234	0.3		2237	1.2		2230	0.2		2353	1.4
3 Th	0457	1.3	11 Fr	0444	0.3	19 Sa	0449	1.3	27 Su	0601	0.1
	1104	0.3		1101	1.3		1105	0.3		1215	1.5
	1709	1.2		1717	0.3		1709	1.3		1834	0.1
	2327	0.3		2319	1.2		2326	0.2			
4 Fr	0551	1.3	12 Sa	0525	0.3	20 Su	0547	1.3	28 Mo	0048	1.4
	1200	0.4		1140	1.3		1203	0.3		0657	0.2
	1802	1.2		1757	0.3		1808	1.3		1309	1.4
										1928	0.2
5 Sa	0017	0.3	13 Su	0001	1.2	21 Mo	0023	0.2	29 Tu	0144	1.4
	0642	1.3		0606	0.4		0644	1.4		0752	0.2
	1252	0.4		1220	1.3		1302	0.2		1402	1.4
	1852	1.2		1837	0.3		1908	1.4		2021	0.2
6 Su	0106	0.3	14 Mo	0043	1.2	22 Tu	0121	0.1	30 We	0240	1.3
	0730	1.3		0649	0.4		0742	1.5		0848	0.3
	1341	0.4		1300	1.2		1359	0.2		1455	1.3
	1940	1.2		1918	0.3		2006	1.4		2114	0.3
7 Mo	0152	0.3	15 Tu	0126	1.2	23 We	0218	0.1	31 Th	0335	1.3
	0815	1.3		0733	0.4		0838	1.5		0944	0.3
	1428	0.3		1342	1.2		1456	0.1		1549	1.2
	2026	1.2		2001	0.3		2104	1.4		2206	0.3
8 Tu	0236	0.3	16 We	0212	1.2	24 Th	0314	0.1			
	0859	1.3		0820	0.4		0933	1.5			
	1512	0.3		1427	1.2		1551	0.1			
	2111	1.2		2047	0.3		2201	1.4			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

FEBRUARY 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Fr	0430	1.3	9 Sa	0416	0.3	17 Su	0420	1.3	25 Mo	0543	0.1
	1039	0.4		1031	1.3		1038	0.3		1154	1.4
	1642	1.2		1645	0.3		1643	1.3		1811	0.1
	2258	0.3		2251	1.2		2300	0.2			
2 Sa	0523	1.2	10 Su	0457	0.3	18 Mo	0520	1.4	26 Tu	0027	1.4
	1133	0.4		1110	1.3		1138	0.3		0637	0.2
	1733	1.2		1724	0.3		1745	1.3		1246	1.4
	2348	0.3		2331	1.2					1903	0.2
3 Su	0614	1.2	11 Mo	0538	0.4	19 Tu	0000	0.2	27 We	0120	1.4
	1224	0.4		1148	1.3		0620	1.4		0730	0.2
	1824	1.2		1803	0.3		1239	0.2		1337	1.3
							1847	1.4		1954	0.2
4 Mo	0037	0.3	12 Tu	0012	1.2	20 We	0100	0.1	28 Th	0213	1.3
	0701	1.2		0619	0.4		0719	1.4		0824	0.3
	1313	0.4		1227	1.3		1338	0.2		1428	1.3
	1912	1.2		1843	0.3		1947	1.4		2045	0.3
5 Tu	0123	0.3	13 We	0054	1.2	21 Th	0159	0.1			
	0747	1.3		0703	0.4		0817	1.5			
	1359	0.4		1310	1.2		1435	0.1			
	1959	1.2		1927	0.3		2046	1.4			
6 We	0208	0.3	14 Th	0139	1.2	22 Fr	0256	0.1			
	0830	1.3		0751	0.4		0913	1.5			
	1443	0.4		1356	1.3		1531	0.1			
	2044	1.2		2014	0.3		2143	1.5			
7 Th	0252	0.3	15 Fr	0228	1.3	23 Sa	0353	0.1			
	0911	1.3		0843	0.3		1008	1.5			
	1525	0.3		1447	1.3		1625	0.1			
	2127	1.2		2106	0.3		2239	1.5			
8 Fr	0335	0.3	16 Sa	0322	1.3	24 Su	0448	0.1			
	0952	1.3		0939	0.3		1102	1.5			
	1606	0.3		1543	1.3		1719	0.1			
	2210	1.2		2201	0.2		2333	1.4			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

MARCH 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Fr	0306	1.3	9 Sa	0306	0.4	17 Su	0258	1.3	25 Mo	0429	0.1
	0917	0.3		0920	1.3		0918	0.3		1039	1.4
	1520	1.2		1532	0.3		1523	1.3		1654	0.1
	2135	0.3		2141	1.2		2139	0.2		2311	1.4
2 Sa	0358	1.2	10 Su	0348	0.3	18 Mo	0356	1.3	26 Tu	0522	0.2
	1010	0.4		1000	1.3		1017	0.3		1130	1.4
	1611	1.2		1612	0.3		1624	1.3		1745	0.2
	2226	0.4		2222	1.2		2239	0.2			
3 Su	0449	1.2	11 Mo	0430	0.3	19 Tu	0457	1.4	27 We	0002	1.4
	1102	0.4		1039	1.3		1118	0.2		0614	0.2
	1702	1.2		1651	0.3		1727	1.3		1220	1.3
	2316	0.4		2302	1.3		2340	0.2		1834	0.2
4 Mo	0539	1.2	12 Tu	0511	0.3	20 We	0558	1.4	28 Th	0053	1.4
	1152	0.4		1119	1.3		1218	0.2		0705	0.3
	1753	1.1		1732	0.3		1829	1.4		1310	1.3
				2343	1.3					1924	0.3
5 Tu	0004	0.4	13 We	0554	0.3	21 Th	0041	0.2	29 Fr	0143	1.3
	0627	1.2		1200	1.3		0658	1.4		0756	0.3
	1240	0.4		1814	0.3		1317	0.2		1359	1.2
	1842	1.2					1929	1.4		2012	0.3
6 We	0052	0.4	14 Th	0026	1.3	22 Fr	0141	0.1	30 Sa	0233	1.3
	0713	1.2		0640	0.3		0756	1.4		0847	0.4
	1326	0.4		1244	1.3		1413	0.1		1449	1.2
	1929	1.2		1859	0.3		2027	1.4		2101	0.3
7 Th	0138	0.4	15 Fr	0113	1.3	23 Sa	0238	0.1	31 Su	0322	1.2
	0757	1.2		0728	0.3		0852	1.5		0937	0.4
	1410	0.4		1333	1.3		1509	0.1		1539	1.2
	2015	1.2		1948	0.3		2124	1.4		2151	0.4
8 Fr	0223	0.4	16 Sa	0203	1.3	24 Su	0334	0.1			
	0839	1.2		0821	0.3		0946	1.5			
	1452	0.3		1426	1.3		1602	0.1			
	2059	1.2		2042	0.2		2218	1.4			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

APRIL 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Mo	0411	1.2	9 Tu	0303	0.3	17 We	0338	1.4	25 Th	0449	0.2
	1027	0.4		0909	1.3		1000	0.2		1052	1.3
	1630	1.1		1520	0.3		1612	1.3		1704	0.2
	2240	0.4		2135	1.3		2224	0.2		2323	1.3
2 Tu	0500	1.2	10 We	0347	0.3	18 Th	0439	1.4	26 Fr	0538	0.3
	1116	0.4		0952	1.3		1058	0.2		1140	1.2
	1720	1.1		1603	0.3		1713	1.4		1751	0.3
	2330	0.4		2218	1.3		2324	0.2			
3 We	0548	1.2	11 Th	0433	0.3	19 Fr	0537	1.4	27 Sa	0010	1.3
	1203	0.4		1037	1.3		1156	0.2		0627	0.3
	1809	1.2		1649	0.2		1812	1.4		1228	1.2
				2304	1.3					1838	0.3
4 Th	0018	0.4	12 Fr	0521	0.3	20 Sa	0023	0.2	28 Su	0057	1.3
	0634	1.2		1125	1.3		0634	1.4		0715	0.3
	1248	0.4		1737	0.2		1251	0.1		1317	1.2
	1857	1.2		2352	1.3		1909	1.4		1926	0.4
5 Fr	0105	0.4	13 Sa	0611	0.3	21 Su	0119	0.2	29 Mo	0144	1.2
	0719	1.2		1216	1.3		0729	1.4		0802	0.4
	1332	0.3		1829	0.2		1345	0.1		1406	1.2
	1943	1.2					2003	1.4		2014	0.4
6 Sa	0151	0.4	14 Su	0045	1.3	22 Mo	0214	0.2	30 Tu	0232	1.2
	0803	1.2		0705	0.3		0822	1.4		0850	0.4
	1415	0.3		1311	1.3		1436	0.1		1455	1.2
	2027	1.2		1924	0.2		2055	1.4		2103	0.4
7 Su	0236	0.4	15 Mo	0140	1.3	23 Tu	0307	0.2			
	0746	1.2		0802	0.3		0913	1.4			
	1357	0.3		1410	1.3		1527	0.2			
	2010	1.3		2023	0.2		2146	1.4			
8 Mo	0219	0.3	16 Tu	0238	1.4	24 We	0358	0.2			
	0827	1.3		0901	0.2		1003	1.3			
	1438	0.3		1511	1.3		1616	0.2			
	2052	1.3		2123	0.2		2235	1.4			

TIMES SHOWN IN BOLD HAVE BEEN ADJUSTED FOR CHATHAM ISLAND DAYLIGHT TIME.

NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

MAY 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 We	0319	1.2	9 Th	0325	0.3	17 Fr	0420	1.3	25 Sa	0508	0.3
	0937	0.4		0929	1.3		1040	0.2		1109	1.2
	1545	1.2		1539	0.2		1658	1.3		1717	0.3
	2153	0.4		2156	1.4		2308	0.2		2336	1.3
2 Th	0406	1.2	10 Fr	0414	0.3	18 Sa	0517	1.3	26 Su	0554	0.3
	1023	0.4		1018	1.3		1135	0.2		1156	1.2
	1634	1.2		1628	0.2		1755	1.4		1803	0.4
	2241	0.4		2245	1.4						
3 Fr	0453	1.2	11 Sa	0505	0.2	19 Su	0005	0.2	27 Mo	0021	1.3
	1108	0.3		1110	1.3		0612	1.3		0640	0.3
	1721	1.2		1720	0.2		1228	0.2		1243	1.2
	2330	0.4		2336	1.4		1849	1.4		1850	0.4
4 Sa	0539	1.2	12 Su	0557	0.2	20 Mo	0100	0.2	28 Tu	0106	1.2
	1152	0.3		1204	1.3		0705	1.3		0725	0.4
	1808	1.2		1814	0.2		1320	0.2		1331	1.2
							1941	1.4		1937	0.4
5 Su	0017	0.4	13 Mo	0030	1.4	21 Tu	0153	0.2	29 We	0151	1.2
	0625	1.2		0652	0.2		0757	1.3		0810	0.4
	1236	0.3		1300	1.3		1410	0.2		1419	1.2
	1853	1.3		1911	0.2		2031	1.4		2025	0.4
6 Mo	0104	0.4	14 Tu	0126	1.4	22 We	0244	0.2	30 Th	0237	1.2
	0710	1.2		0748	0.2		0846	1.3		0856	0.4
	1321	0.3		1359	1.3		1458	0.2		1507	1.2
	1939	1.3		2009	0.2		2119	1.4		2114	0.4
7 Tu	0150	0.3	15 We	0224	1.4	23 Th	0333	0.3	31 Fr	0324	1.2
	0755	1.3		0846	0.2		0934	1.3		0941	0.3
	1406	0.2		1459	1.3		1545	0.2		1556	1.2
	2024	1.3		2109	0.2		2205	1.4		2203	0.4
8 We	0237	0.3	16 Th	0322	1.4	24 Fr	0421	0.3			
	0841	1.3		0943	0.2		1022	1.2			
	1451	0.2		1559	1.3		1631	0.3			
	2109	1.3		2209	0.2		2251	1.3			

TIMES LISTED ARE CHATHAM ISLAND STANDARD TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

JUNE 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Sa	0411	1.2	9 Su	0448	0.2	17 Mo	0550	1.3	25 Tu	0604	0.3
	1026	0.3		1056	1.3		1205	0.2		1208	1.2
	1644	1.2		1704	0.2		1829	1.3		1814	0.4
	2253	0.4		2321	1.4						
2 Su	0459	1.2	10 Mo	0543	0.2	18 Tu	0040	0.3	26 We	0027	1.2
	1113	0.3		1152	1.3		0642	1.3		0647	0.3
	1732	1.3		1800	0.2		1255	0.2		1254	1.2
	2342	0.4					1918	1.3		1859	0.4
3 Mo	0547	1.2	11 Tu	0016	1.4	19 We	0130	0.3	27 Th	0111	1.2
	1200	0.3		0638	0.2		0731	1.3		0730	0.3
	1820	1.3		1249	1.3		1343	0.2		1341	1.2
				1858	0.2		2005	1.3		1947	0.4
4 Tu	0032	0.3	12 We	0112	1.4	20 Th	0219	0.3	28 Fr	0156	1.2
	0636	1.3		0734	0.2		0819	1.2		0814	0.3
	1247	0.2		1348	1.3		1429	0.3		1428	1.2
	1908	1.3		1956	0.2		2051	1.3		2035	0.4
5 We	0122	0.3	13 Th	0209	1.4	21 Fr	0306	0.3	29 Sa	0242	1.2
	0726	1.3		0830	0.2		0905	1.2		0900	0.3
	1336	0.2		1447	1.3		1515	0.3		1516	1.2
	1956	1.4		2055	0.3		2135	1.3		2125	0.4
6 Th	0212	0.3	14 Fr	0306	1.3	22 Sa	0352	0.3	30 Su	0330	1.2
	0816	1.3		0926	0.2		0951	1.2		0947	0.3
	1426	0.2		1546	1.3		1559	0.3		1606	1.2
	2046	1.4		2154	0.3		2219	1.3		2217	0.4
7 Fr	0303	0.2	15 Sa	0402	1.3	23 Su	0436	0.3			
	0908	1.3		1021	0.2		1037	1.2			
	1518	0.2		1643	1.3		1644	0.3			
	2137	1.4		2251	0.3		2302	1.3			
8 Sa	0355	0.2	16 Su	0457	1.3	24 Mo	0520	0.3			
	1001	1.3		1114	0.2		1122	1.2			
	1610	0.2		1737	1.3		1729	0.4			
	2228	1.4		2347	0.3		2344	1.3			

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KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

JULY 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Mo	0421	1.2	9 Tu	0525	0.1	17 We	0018	0.3	25 Th	0607	0.3
	1036	0.3		1137	1.4		0618	1.2		1216	1.2
	1656	1.3		1746	0.2		1230	0.3		1823	0.4
	2309	0.3					1854	1.3			
2 Tu	0513	1.3	10 We	0000	1.4	18 Th	0106	0.3	26 Fr	0032	1.2
	1126	0.2		0620	0.2		0706	1.2		0649	0.3
	1748	1.3		1235	1.4		1316	0.3		1301	1.2
		1843		0.2	1939		1.3	1909		0.4	
3 We	0002	0.3	11 Th	0056	1.4	19 Fr	0153	0.3	27 Sa	0116	1.2
	0606	1.3		0716	0.2		0752	1.2		0733	0.3
	1218	0.2		1333	1.3		1401	0.3		1348	1.2
	1839	1.4		1941	0.2		2022	1.3		1958	0.4
4 Th	0055	0.2	12 Fr	0152	1.3	20 Sa	0237	0.3	28 Su	0203	1.2
	0700	1.3		0811	0.2		0837	1.2		0821	0.3
	1311	0.2		1431	1.3		1445	0.3		1438	1.2
	1931	1.4		2039	0.3		2105	1.3		2050	0.4
5 Fr	0149	0.2	13 Sa	0248	1.3	21 Su	0321	0.3	29 Mo	0254	1.2
	0754	1.4		0906	0.2		0921	1.2		0911	0.3
	1404	0.1		1529	1.3		1529	0.3		1530	1.3
	2024	1.5		2137	0.3		2146	1.3		2144	0.3
6 Sa	0242	0.2	14 Su	0343	1.3	22 Mo	0403	0.3	30 Tu	0348	1.3
	0849	1.4		1000	0.2		1005	1.2		1003	0.2
	1458	0.1		1624	1.3		1612	0.3		1624	1.3
	2117	1.5		2233	0.3		2227	1.3		2239	0.3
7 Su	0336	0.1	15 Mo	0437	1.3	23 Tu	0445	0.3	31 We	0443	1.3
	0944	1.4		1052	0.3		1049	1.2		1058	0.2
	1553	0.1		1717	1.3		1655	0.4		1718	1.4
	2211	1.5		2327	0.3		2308	1.3		2335	0.3
8 Mo	0430	0.1	16 Tu	0528	1.2	24 We	0526	0.3			
	1040	1.4		1142	0.3		1133	1.2			
	1649	0.1		1807	1.3		1739	0.4			
	2305	1.5					2349	1.2			

TIMES LISTED ARE CHATHAM ISLAND STANDARD TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

AUGUST 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Th	0540	1.3	9 Fr	0036	1.4	17 Sa	0124	0.3	25 Su	0040	1.2
	1153	0.2		0654	0.2		0726	1.2		0656	0.3
	1813	1.4		1313	1.4		1335	0.3		1312	1.2
			1922	0.3		1953	1.3		1925	0.4	
2 Fr	0031	0.2	10 Sa	0131	1.3	18 Su	0207	0.3	26 Mo	0129	1.2
	0637	1.4		0749	0.2		0810	1.2		0746	0.3
	1249	0.1		1410	1.3		1418	0.3		1403	1.3
	1908	1.5		2020	0.3		2034	1.3		2019	0.4
3 Sa	0126	0.1	11 Su	0226	1.3	19 Mo	0248	0.3	27 Tu	0223	1.2
	0734	1.4		0843	0.3		0853	1.2		0839	0.3
	1344	0.1		1507	1.3		1500	0.3		1457	1.3
	2003	1.5		2116	0.3		2114	1.3		2115	0.3
4 Su	0221	0.1	12 Mo	0321	1.2	20 Tu	0329	0.3	28 We	0320	1.3
	0830	1.4		0936	0.3		0935	1.2		0935	0.2
	1440	0.1		1601	1.3		1542	0.3		1554	1.3
	2057	1.5		2211	0.3		2154	1.3		2213	0.3
5 Mo	0316	0.1	13 Tu	0414	1.2	21 We	0409	0.3	29 Th	0419	1.3
	0926	1.4		1028	0.3		1016	1.2		1033	0.2
	1536	0.1		1653	1.3		1624	0.4		1652	1.4
	2152	1.5		2304	0.4		2234	1.3		2311	0.2
6 Tu	0410	0.1	14 We	0505	1.2	22 Th	0448	0.3	30 Fr	0518	1.4
	1023	1.4		1117	0.3		1058	1.2		1131	0.1
	1632	0.1		1741	1.3		1706	0.4		1750	1.4
	2246	1.5		2353	0.4		2314	1.2			
7 We	0505	0.1	15 Th	0554	1.2	23 Fr	0528	0.3	31 Sa	0008	0.2
	1119	1.4		1205	0.3		1140	1.2		0617	1.4
	1728	0.2		1827	1.3		1749	0.4		1229	0.1
	2341	1.4					2355	1.2		1846	1.5
8 Th	0559	0.1	16 Fr	0040	0.3	24 Sa	0611	0.3			
	1216	1.4		0640	1.2		1224	1.2			
	1825	0.2		1250	0.3		1836	0.4			
				1911	1.3						

TIMES LISTED ARE CHATHAM ISLAND STANDARD TIME

CROWN COPYRIGHT RESERVED

NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

SEPTEMBER 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Su	0104	0.1	9 Mo	0200	1.2	17 Tu	0215	0.3	25 We	0158	1.3
	0715	1.4		0815	0.3		0824	1.2		0813	0.3
	1326	0.1		1438	1.3		1432	0.3		1430	1.3
	1942	1.5		2051	0.3		2043	1.3		2051	0.3
2 Mo	0159	0.1	10 Tu	0254	1.2	18 We	0255	0.3	26 Th	0258	1.3
	0812	1.5		0908	0.3		0905	1.3		0912	0.2
	1422	0.1		1532	1.3		1514	0.3		1529	1.4
	2037	1.5		2144	0.4		2122	1.3		2150	0.2
3 Tu	0254	0.1	11 We	0348	1.2	19 Th	0334	0.3	27 Fr	0359	1.3
	0907	1.5		1000	0.3		0945	1.3		1012	0.2
	1518	0.1		1623	1.2		1555	0.3		1629	1.4
	2131	1.5		2236	0.4		2201	1.3		2248	0.2
4 We	0348	0.1	12 Th	0439	1.2	20 Fr	0413	0.3	28 Sa	0500	1.4
	1003	1.5		1050	0.4		1026	1.3		1112	0.2
	1613	0.1		1711	1.2		1637	0.3		1728	1.4
	2224	1.5		2324	0.4		2242	1.2		2346	0.1
5 Th	0441	0.1	13 Fr	0528	1.2	21 Sa	0454	0.3	29 Su	0659	1.4
	1058	1.4		1137	0.4		1107	1.3		1311	0.1
	1708	0.2		1757	1.2		1721	0.4		1925	1.5
	2318	1.4					2324	1.2			
6 Fr	0535	0.1	14 Sa	0010	0.3	22 Su	0538	0.3	30 Mo	0143	0.1
	1153	1.4		0614	1.2		1152	1.3		0757	1.5
	1804	0.2		1223	0.3		1807	0.3		1408	0.1
				1840	1.3					2021	1.5
7 Sa	0012	1.4	15 Su	0053	0.3	23 Mo	0011	1.2			
	0628	0.2		0659	1.2		0625	0.3			
	1248	1.4		1308	0.3		1240	1.3			
	1900	0.3		1922	1.3		1858	0.3			
8 Su	0106	1.3	16 Mo	0135	0.3	24 Tu	0102	1.2			
	0722	0.2		0742	1.2		0717	0.3			
	1343	1.3		1351	0.3		1333	1.3			
	1955	0.3		2003	1.3		1953	0.3			

TIMES SHOWN IN BOLD HAVE BEEN ADJUSTED FOR CHATHAM ISLAND DAYLIGHT TIME.

NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

OCTOBER 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Tu	0238	0.1	9 We	0324	1.2	17 Th	0321	0.3	25 Fr	0340	1.3
	0853	1.5		0935	0.4		0936	1.3		0952	0.2
	1504	0.1		1556	1.2		1546	0.3		1607	1.4
	2115	1.5		2212	0.4		2151	1.3		2229	0.2
2 We	0331	0.1	10 Th	0417	1.2	18 Fr	0401	0.3	26 Sa	0442	1.3
	0948	1.5		1027	0.4		1016	1.3		1053	0.2
	1559	0.1		1646	1.2		1629	0.3		1707	1.4
	2209	1.5		2302	0.4		2232	1.3		2328	0.2
3 Th	0424	0.1	11 Fr	0508	1.2	19 Sa	0442	0.3	27 Su	0543	1.4
	1041	1.5		1118	0.4		1058	1.3		1154	0.2
	1653	0.1		1735	1.2		1712	0.3		1807	1.4
	2301	1.4		2350	0.4		2315	1.3			
4 Fr	0516	0.1	12 Sa	0558	1.2	20 Su	0525	0.3	28 Mo	0025	0.1
	1134	1.4		1206	0.4		1141	1.3		0642	1.4
	1747	0.2		1821	1.2		1757	0.3		1253	0.2
	2353	1.4								1904	1.4
5 Sa	0607	0.2	13 Su	0035	0.3	21 Mo	0000	1.3	29 Tu	0121	0.1
	1227	1.4		0645	1.2		0611	0.3		0739	1.4
	1840	0.2		1253	0.4		1226	1.3		1351	0.1
				1906	1.2		1845	0.3		2000	1.4
6 Su	0045	1.3	14 Mo	0119	0.3	22 Tu	0049	1.3	30 We	0216	0.1
	0659	0.2		0730	1.2		0700	0.3		0834	1.5
	1319	1.4		1339	0.4		1316	1.3		1446	0.1
	1934	0.3		1949	1.2		1937	0.3		2054	1.4
7 Mo	0138	1.3	15 Tu	0200	0.3	23 We	0142	1.3	31 Th	0308	0.1
	0751	0.3		0813	1.2		0754	0.3		0927	1.5
	1412	1.3		1422	0.3		1410	1.3		1540	0.1
	2027	0.3		2030	1.2		2032	0.3		2146	1.4
8 Tu	0231	1.2	16 We	0241	0.3	24 Th	0239	1.3			
	0843	0.3		0855	1.3		0852	0.3			
	1504	1.3		1505	0.3		1507	1.3			
	2120	0.3		2111	1.3		2130	0.2			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

CROWN COPYRIGHT RESERVED

NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

NOVEMBER 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Fr	0359	0.1	9 Sa	0432	1.2	17 Su	0416	0.2	25 Mo	0527	1.4
	1019	1.5		1040	0.4		1033	1.4		1137	0.2
	1632	0.2		1653	1.2		1650	0.3		1746	1.4
	2237	1.4		2310	0.4		2253	1.3			
2 Sa	0450	0.1	10 Su	0522	1.2	18 Mo	0502	0.2	26 Tu	0005	0.2
	1109	1.4		1130	0.4		1119	1.4		0625	1.4
	1724	0.2		1741	1.2		1737	0.3		1236	0.2
	2327	1.3		2356	0.3		2341	1.3		1844	1.4
3 Su	0539	0.2	11 Mo	0611	1.2	19 Tu	0550	0.2	27 We	0100	0.1
	1159	1.4		1219	0.4		1206	1.4		0722	1.4
	1814	0.2		1827	1.2		1827	0.2		1333	0.2
										1939	1.4
4 Mo	0017	1.3	12 Tu	0040	0.3	20 We	0032	1.3	28 Th	0154	0.1
	0628	0.2		0657	1.2		0642	0.2		0815	1.4
	1248	1.3		1306	0.4		1257	1.4		1427	0.2
	1905	0.3		1912	1.2		1919	0.2		2032	1.4
5 Tu	0107	1.2	13 We	0123	0.3	21 Th	0127	1.3	29 Fr	0245	0.1
	0718	0.3		0741	1.3		0737	0.2		0907	1.4
	1337	1.3		1351	0.4		1351	1.4		1520	0.2
	1955	0.3		1956	1.2		2014	0.2		2123	1.3
6 We	0158	1.2	14 Th	0206	0.3	22 Fr	0224	1.3	30 Sa	0335	0.2
	0807	0.3		0825	1.3		0835	0.2		0956	1.4
	1426	1.3		1436	0.3		1448	1.4		1610	0.2
	2045	0.3		2039	1.3		2111	0.2		2212	1.3
7 Th	0249	1.2	15 Fr	0248	0.3	23 Sa	0325	1.3			
	0858	0.4		0907	1.3		0935	0.3			
	1515	1.2		1520	0.3		1547	1.4			
	2134	0.4		2123	1.3		2210	0.2			
8 Fr	0341	1.2	16 Sa	0331	0.2	24 Su	0426	1.3			
	0949	0.4		0950	1.3		1036	0.2			
	1604	1.2		1604	0.3		1647	1.4			
	2223	0.4		2207	1.3		2308	0.2			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS

KAINGAROA

Lat. 43° 44' S Long. 176° 16' W

DECEMBER 2019

CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS

	Time	m		Time	m		Time	m		Time	m
1 Su	0423	0.2	9 Mo	0442	1.2	17 Tu	0443	0.2	25 We	0608	1.3
	1044	1.4		1050	0.4		1100	1.4		1219	0.3
	1659	0.2		1656	1.2		1719	0.2		1823	1.3
	2301	1.3		2312	0.3		2325	1.3			
2 Mo	0511	0.2	10 Tu	0531	1.2	18 We	0534	0.2	26 Th	0039	0.2
	1130	1.4		1140	0.4		1150	1.4		0704	1.4
	1747	0.3		1745	1.2		1811	0.2		1315	0.3
	2348	1.3		2359	0.3					1918	1.3
3 Tu	0557	0.3	11 We	0619	1.2	19 Th	0018	1.3	27 Fr	0132	0.2
	1216	1.3		1229	0.4		0627	0.2		0756	1.4
	1834	0.3		1833	1.2		1242	1.4		1408	0.3
							1903	0.2		2010	1.3
4 We	0036	1.2	12 Th	0045	0.3	20 Fr	0113	1.3	28 Sa	0222	0.2
	0644	0.3		0706	1.3		0722	0.2		0846	1.4
	1301	1.3		1318	0.4		1335	1.4		1459	0.3
	1921	0.3		1920	1.2		1958	0.2		2100	1.3
5 Th	0124	1.2	13 Fr	0131	0.3	21 Sa	0211	1.3	29 Su	0311	0.2
	0731	0.4		0753	1.3		0820	0.2		0933	1.4
	1347	1.3		1406	0.3		1431	1.4		1547	0.3
	2007	0.3		2008	1.3		2054	0.2		2148	1.3
6 Fr	0212	1.2	14 Sa	0217	0.2	22 Su	0310	1.3	30 Mo	0357	0.2
	0819	0.4		0839	1.3		0919	0.3		1018	1.4
	1433	1.2		1453	0.3		1529	1.3		1634	0.3
	2053	0.4		2056	1.3		2151	0.2		2234	1.3
7 Sa	0302	1.2	15 Su	0305	0.2	23 Mo	0410	1.3	31 Tu	0443	0.3
	0909	0.4		0925	1.4		1020	0.3		1102	1.3
	1520	1.2		1541	0.3		1628	1.3		1719	0.3
	2140	0.4		2145	1.3		2248	0.2		2320	1.2
8 Su	0352	1.2	16 Mo	0353	0.2	24 Tu	0510	1.3			
	0959	0.4		1012	1.4		1120	0.3			
	1608	1.2		1630	0.2		1726	1.3			
	2226	0.4		2234	1.3		2344	0.2			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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