

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**KAINGAROA**

Lat. 43° 44' S Long. 176° 16' W

**JANUARY 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> We	0528	0.3	<b>9</b> Th	0539	1.2	<b>17</b> Fr	0004	1.4	<b>25</b> Sa	0109	0.3
	1144	1.3		1151	0.4		0613	0.2		0735	1.3
	1803	0.3		1753	1.2		1226	1.4		1347	0.3
							1847	0.1		1948	1.2
<b>2</b> Th	0005	1.2	<b>10</b> Fr	0007	0.3	<b>18</b> Sa	0100	1.4	<b>26</b> Su	0159	0.3
	0612	0.3		0629	1.3		0709	0.2		0822	1.3
	1227	1.3		1243	0.4		1320	1.4		1436	0.3
	1846	0.3		1846	1.2		1941	0.2		2037	1.2
<b>3</b> Fr	0050	1.2	<b>11</b> Sa	0057	0.2	<b>19</b> Su	0156	1.4	<b>27</b> Mo	0246	0.3
	0657	0.4		0720	1.3		0805	0.2		0908	1.3
	1309	1.3		1335	0.3		1415	1.4		1522	0.3
	1929	0.3		1939	1.3		2036	0.2		2123	1.2
<b>4</b> Sa	0136	1.2	<b>12</b> Su	0149	0.2	<b>20</b> Mo	0254	1.3	<b>28</b> Tu	0332	0.3
	0742	0.4		0810	1.4		0904	0.3		0951	1.3
	1352	1.2		1427	0.3		1511	1.3		1606	0.3
	2012	0.3		2031	1.3		2131	0.2		2208	1.2
<b>5</b> Su	0222	1.2	<b>13</b> Mo	0241	0.2	<b>21</b> Tu	0353	1.3	<b>29</b> We	0416	0.3
	0828	0.4		0901	1.4		1003	0.3		1033	1.3
	1436	1.2		1518	0.2		1609	1.3		1649	0.3
	2055	0.4		2124	1.3		2228	0.2		2252	1.2
<b>6</b> Mo	0309	1.2	<b>14</b> Tu	0333	0.1	<b>22</b> We	0452	1.3	<b>30</b> Th	0459	0.3
	0917	0.4		0951	1.4		1102	0.3		1113	1.3
	1523	1.2		1610	0.2		1706	1.3		1730	0.3
	2141	0.4		2217	1.4		2323	0.3		2335	1.2
<b>7</b> Tu	0358	1.2	<b>15</b> We	0425	0.1	<b>23</b> Th	0549	1.3	<b>31</b> Fr	0542	0.3
	1007	0.4		1042	1.5		1200	0.3		1154	1.3
	1611	1.2		1701	0.1		1803	1.2		1810	0.3
	2228	0.3		2310	1.4						
<b>8</b> We	0448	1.2	<b>16</b> Th	0519	0.1	<b>24</b> Fr	0017	0.3			
	1059	0.4		1134	1.5		0644	1.3			
	1702	1.2		1753	0.1		1255	0.3			
	2317	0.3					1857	1.2			

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

**FEBRUARY 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Sa	0017	1.2	<b>9</b> Su	0027	0.2	<b>17</b> Mo	0140	1.4	<b>25</b> Tu	0221	0.3
	0624	0.4		0648	1.4		0750	0.2		0839	1.3
	1234	1.2		1306	0.3		1358	1.4		1453	0.3
	1850	0.3		1912	1.3		2016	0.2		2057	1.2
<b>2</b> Su	0100	1.2	<b>10</b> Mo	0123	0.2	<b>18</b> Tu	0236	1.3	<b>26</b> We	0306	0.3
	0707	0.4		0743	1.4		0847	0.3		0922	1.3
	1314	1.2		1401	0.2		1453	1.3		1536	0.3
	1931	0.3		2008	1.4		2111	0.2		2141	1.2
<b>3</b> Mo	0143	1.2	<b>11</b> Tu	0218	0.2	<b>19</b> We	0334	1.3	<b>27</b> Th	0349	0.3
	0751	0.4		0837	1.4		0945	0.3		1002	1.3
	1356	1.2		1455	0.2		1549	1.2		1617	0.3
	2013	0.3		2104	1.4		2206	0.3		2223	1.2
<b>4</b> Tu	0228	1.2	<b>12</b> We	0314	0.1	<b>20</b> Th	0431	1.3	<b>28</b> Fr	0431	0.3
	0837	0.4		0930	1.5		1042	0.3		1042	1.3
	1441	1.2		1548	0.1		1646	1.2		1656	0.3
	2058	0.3		2159	1.4		2301	0.3		2305	1.2
<b>5</b> We	0315	1.2	<b>13</b> Th	0408	0.1	<b>21</b> Fr	0526	1.3	<b>29</b> Sa	0513	0.4
	0927	0.4		1024	1.5		1138	0.4		1121	1.2
	1530	1.2		1641	0.1		1741	1.2		1735	0.3
	2146	0.3		2254	1.4		2354	0.3		2345	1.2
<b>6</b> Th	0406	1.2	<b>14</b> Fr	0503	0.1	<b>22</b> Sa	0619	1.3			
	1020	0.4		1116	1.5		1232	0.4			
	1622	1.2		1735	0.1		1834	1.2			
	2238	0.3		2349	1.4						
<b>7</b> Fr	0459	1.3	<b>15</b> Sa	0558	0.1	<b>23</b> Su	0045	0.3			
	1114	0.4		1210	1.4		0709	1.3			
	1718	1.2		1828	0.1		1322	0.4			
	2332	0.3					1924	1.2			
<b>8</b> Sa	0553	1.3	<b>16</b> Su	0044	1.4	<b>24</b> Mo	0134	0.3			
	1210	0.3		0654	0.2		0756	1.3			
	1815	1.3		1303	1.4		1409	0.3			
				1921	0.1		2012	1.2			

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

**MARCH 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Su	0554	0.4	<b>9</b> Mo	0001	0.2	<b>17</b> Tu	0120	1.4	<b>25</b> We	0154	0.4
	1200	1.2		0619	1.4		0732	0.2		0807	1.2
	1813	0.3		1238	0.2		1339	1.3		1421	0.3
			1848	1.3		1954	0.2		2029	1.2	
<b>2</b> Mo	0026	1.2	<b>10</b> Tu	0059	0.2	<b>18</b> We	0215	1.3	<b>26</b> Th	0238	0.4
	0635	0.4		0717	1.4		0828	0.3		0849	1.2
	1240	1.2		1335	0.2		1433	1.3		1502	0.3
	1853	0.3		1946	1.4		2047	0.3		2112	1.2
<b>3</b> Tu	0107	1.2	<b>11</b> We	0157	0.1	<b>19</b> Th	0310	1.3	<b>27</b> Fr	0322	0.4
	0718	0.4		0813	1.5		0924	0.3		0930	1.2
	1321	1.2		1431	0.1		1528	1.2		1542	0.3
	1935	0.3		2044	1.4		2142	0.3		2154	1.2
<b>4</b> We	0150	1.2	<b>12</b> Th	0255	0.1	<b>20</b> Fr	0405	1.3	<b>28</b> Sa	0403	0.4
	0803	0.4		0909	1.5		1019	0.4		1010	1.2
	1406	1.2		1526	0.1		1623	1.2		1621	0.3
	2021	0.3		2140	1.5		2235	0.3		2234	1.2
<b>5</b> Th	0237	1.2	<b>13</b> Fr	0351	0.1	<b>21</b> Sa	0459	1.2	<b>29</b> Su	0444	0.4
	0853	0.4		1003	1.5		1113	0.4		1049	1.2
	1456	1.2		1620	0.1		1717	1.2		1700	0.3
	2111	0.3		2235	1.5		2328	0.4		2314	1.2
<b>6</b> Fr	0329	1.3	<b>14</b> Sa	0446	0.1	<b>22</b> Su	0550	1.2	<b>30</b> Mo	0525	0.4
	0946	0.4		1057	1.5		1204	0.4		1129	1.2
	1550	1.2		1713	0.1		1809	1.2		1739	0.3
	2205	0.3		2330	1.5					2354	1.2
<b>7</b> Sa	0424	1.3	<b>15</b> Su	0542	0.1	<b>23</b> Mo	0019	0.4	<b>31</b> Tu	0606	0.4
	1043	0.3		1151	1.4		0638	1.2		1209	1.2
	1648	1.2		1807	0.1		1252	0.4		1820	0.3
	2302	0.3					1858	1.2			
<b>8</b> Su	0521	1.3	<b>16</b> Mo	0025	1.4	<b>24</b> Tu	0107	0.4			
	1140	0.3		0637	0.2		0724	1.2			
	1748	1.3		1245	1.4		1337	0.4			
				1900	0.2		1945	1.2			

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

**APRIL 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> We	<b>0035</b>	<b>1.2</b>	<b>9</b> Th	0037	0.1	<b>17</b> Fr	0143	1.3	<b>25</b> Sa	0152	0.4
	<b>0650</b>	<b>0.4</b>		0650	1.4		0759	0.3		0756	1.2
	<b>1252</b>	<b>1.2</b>		1307	0.1		1404	1.2		1406	0.3
	<b>1903</b>	<b>0.3</b>		1924	1.5		2014	0.3		2023	1.2
<b>2</b> Th	<b>0119</b>	<b>1.3</b>	<b>10</b> Fr	0135	0.1	<b>18</b> Sa	0235	1.3	<b>26</b> Su	0234	0.4
	<b>0736</b>	<b>0.4</b>		0746	1.5		0851	0.3		0838	1.2
	<b>1339</b>	<b>1.2</b>		1402	0.1		1457	1.2		1446	0.3
	<b>1951</b>	<b>0.3</b>		2020	1.5		2106	0.4		2104	1.3
<b>3</b> Fr	<b>0206</b>	<b>1.3</b>	<b>11</b> Sa	0232	0.1	<b>19</b> Su	0325	1.2	<b>27</b> Mo	0316	0.4
	<b>0826</b>	<b>0.3</b>		0841	1.5		0942	0.4		0919	1.2
	<b>1430</b>	<b>1.2</b>		1457	0.1		1549	1.2		1527	0.3
	<b>2043</b>	<b>0.3</b>		2115	1.5		2158	0.4		2144	1.3
<b>4</b> Sa	<b>0259</b>	<b>1.3</b>	<b>12</b> Su	0328	0.1	<b>20</b> Mo	0415	1.2	<b>28</b> Tu	0358	0.4
	<b>0920</b>	<b>0.3</b>		0936	1.4		1031	0.4		1000	1.2
	<b>1526</b>	<b>1.2</b>		1550	0.1		1639	1.2		1608	0.3
	<b>2139</b>	<b>0.3</b>		2210	1.5		2248	0.4		2225	1.3
<b>5</b> Su	0255	1.3	<b>13</b> Mo	0423	0.2	<b>21</b> Tu	0502	1.2	<b>29</b> We	0441	0.4
	0917	0.3		1030	1.4		1117	0.4		1043	1.2
	1525	1.3		1643	0.1		1728	1.2		1651	0.3
	2138	0.3		2304	1.4		2336	0.4		2308	1.3
<b>6</b> Mo	0353	1.3	<b>14</b> Tu	0518	0.2	<b>22</b> We	0547	1.2	<b>30</b> Th	0526	0.3
	1015	0.2		1123	1.3		1201	0.4		1128	1.2
	1626	1.3		1736	0.2		1814	1.2		1738	0.3
	2238	0.2		2357	1.4					2353	1.3
<b>7</b> Tu	0453	1.4	<b>15</b> We	0612	0.2	<b>23</b> Th	0023	0.4			
	1113	0.2		1217	1.3		0631	1.2			
	1726	1.4		1829	0.2		1244	0.3			
	2338	0.2					1859	1.2			
<b>8</b> We	0552	1.4	<b>16</b> Th	0050	1.3	<b>24</b> Fr	0108	0.4			
	1211	0.1		0706	0.3		0714	1.2			
	1826	1.4		1310	1.2		1326	0.3			
				1921	0.3		1941	1.2			

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 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Fr	0614	0.3	<b>9</b> Sa	0116	0.2	<b>17</b> Su	0200	1.2	<b>25</b> Mo	0204	0.4
	1218	1.2		0724	1.4		0819	0.3		0805	1.2
	1828	0.3		1339	0.1		1426	1.2		1413	0.3
			2000	1.5		2034	0.4		2034	1.3	
<b>2</b> Sa	0043	1.3	<b>10</b> Su	0213	0.2	<b>18</b> Mo	0248	1.2	<b>26</b> Tu	0248	0.3
	0705	0.3		0819	1.4		0907	0.4		0849	1.2
	1311	1.2		1433	0.1		1517	1.2		1456	0.3
	1922	0.3		2054	1.5		2124	0.4		2116	1.3
<b>3</b> Su	0136	1.3	<b>11</b> Mo	0308	0.2	<b>19</b> Tu	0336	1.2	<b>27</b> We	0332	0.3
	0759	0.3		0913	1.4		0953	0.4		0934	1.2
	1408	1.3		1526	0.1		1606	1.2		1541	0.3
	2019	0.3		2147	1.4		2214	0.4		2200	1.3
<b>4</b> Mo	0232	1.3	<b>12</b> Tu	0402	0.2	<b>20</b> We	0422	1.2	<b>28</b> Th	0418	0.3
	0855	0.2		1007	1.4		1038	0.4		1021	1.2
	1507	1.3		1618	0.2		1654	1.2		1628	0.3
	2118	0.3		2240	1.4		2302	0.4		2245	1.3
<b>5</b> Tu	0331	1.4	<b>13</b> We	0455	0.2	<b>21</b> Th	0508	1.2	<b>29</b> Fr	0505	0.3
	0953	0.2		1059	1.3		1122	0.3		1109	1.2
	1607	1.3		1710	0.2		1740	1.2		1717	0.3
	2219	0.2		2331	1.4		2349	0.4		2333	1.3
<b>6</b> We	0430	1.4	<b>14</b> Th	0548	0.2	<b>22</b> Fr	0553	1.2	<b>30</b> Sa	0555	0.3
	1051	0.2		1152	1.3		1205	0.3		1201	1.3
	1708	1.4		1801	0.3		1825	1.2		1810	0.3
	2319	0.2									
<b>7</b> Th	0529	1.4	<b>15</b> Fr	0021	1.3	<b>23</b> Sa	0035	0.4	<b>31</b> Su	0024	1.3
	1148	0.1		0639	0.3		0638	1.2		0647	0.2
	1806	1.4		1244	1.2		1248	0.3		1256	1.3
				1852	0.3		1908	1.2		1905	0.3
<b>8</b> Fr	0018	0.2	<b>16</b> Sa	0111	1.3	<b>24</b> Su	0120	0.4			
	0627	1.4		0729	0.3		0722	1.2			
	1244	0.1		1335	1.2		1330	0.3			
	1904	1.4		1943	0.4		1951	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

**JUNE 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Mo	0117	1.3	<b>9</b> Tu	0247	0.2	<b>17</b> We	0255	1.2	<b>25</b> Th	0308	0.3
	0741	0.2		0850	1.3		0913	0.4		0911	1.3
	1353	1.3		1501	0.2		1529	1.2		1518	0.2
	2003	0.3		2123	1.4		2136	0.4		2137	1.4
<b>2</b> Tu	0214	1.4	<b>10</b> We	0339	0.2	<b>18</b> Th	0341	1.2	<b>26</b> Fr	0356	0.2
	0837	0.2		0942	1.3		0957	0.3		1001	1.3
	1452	1.3		1552	0.2		1616	1.2		1608	0.2
	2102	0.3		2213	1.4		2225	0.4		2225	1.4
<b>3</b> We	0312	1.4	<b>11</b> Th	0430	0.2	<b>19</b> Fr	0428	1.2	<b>27</b> Sa	0445	0.2
	0933	0.2		1033	1.3		1042	0.3		1052	1.3
	1551	1.3		1642	0.3		1703	1.2		1700	0.2
	2202	0.2		2301	1.4		2313	0.4		2315	1.4
<b>4</b> Th	0410	1.4	<b>12</b> Fr	0519	0.3	<b>20</b> Sa	0515	1.2	<b>28</b> Su	0536	0.2
	1030	0.2		1123	1.2		1127	0.3		1146	1.3
	1651	1.4		1731	0.3		1749	1.2		1754	0.2
	2302	0.2		2349	1.3						
<b>5</b> Fr	0508	1.4	<b>13</b> Sa	0608	0.3	<b>21</b> Su	0000	0.4	<b>29</b> Mo	0007	1.4
	1127	0.1		1213	1.2		0601	1.2		0629	0.2
	1749	1.4		1820	0.3		1211	0.3		1242	1.3
							1834	1.3		1850	0.2
<b>6</b> Sa	0001	0.2	<b>14</b> Su	0036	1.3	<b>22</b> Mo	0047	0.4	<b>30</b> Tu	0101	1.4
	0606	1.4		0655	0.3		0648	1.2		0723	0.2
	1222	0.1		1302	1.2		1257	0.3		1339	1.3
	1845	1.4		1909	0.4		1919	1.3		1948	0.3
<b>7</b> Su	0058	0.2	<b>15</b> Mo	0122	1.2	<b>23</b> Tu	0134	0.3			
	0702	1.4		0742	0.3		0735	1.2			
	1316	0.1		1351	1.2		1343	0.3			
	1939	1.4		1958	0.4		2004	1.3			
<b>8</b> Mo	0153	0.2	<b>16</b> Tu	0208	1.2	<b>24</b> We	0220	0.3			
	0756	1.4		0828	0.3		0823	1.3			
	1409	0.2		1440	1.2		1430	0.2			
	2032	1.4		2047	0.4		2050	1.4			

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

**JULY 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> We	0157	1.4	<b>9</b> Th	0313	0.2	<b>17</b> Fr	0300	1.2	<b>25</b> Sa	0333	0.2
	0819	0.2		0916	1.3		0916	0.3		0942	1.4
	1437	1.3		1525	0.3		1536	1.2		1550	0.2
	2047	0.3		2144	1.4		2146	0.4		2205	1.4
<b>2</b> Th	0255	1.3	<b>10</b> Fr	0401	0.3	<b>18</b> Sa	0348	1.2	<b>26</b> Su	0425	0.2
	0915	0.2		1004	1.3		1002	0.3		1035	1.4
	1537	1.3		1612	0.3		1624	1.2		1644	0.2
	2147	0.3		2230	1.3		2236	0.4		2257	1.4
<b>3</b> Fr	0353	1.3	<b>11</b> Sa	0448	0.3	<b>19</b> Su	0437	1.2	<b>27</b> Mo	0517	0.2
	1012	0.2		1052	1.2		1049	0.3		1130	1.4
	1635	1.4		1659	0.3		1712	1.3		1739	0.2
	2246	0.3		2314	1.3		2325	0.4		2350	1.4
<b>4</b> Sa	0450	1.3	<b>12</b> Su	0533	0.3	<b>20</b> Mo	0527	1.2	<b>28</b> Tu	0610	0.2
	1107	0.2		1139	1.2		1137	0.3		1226	1.4
	1732	1.4		1746	0.4		1800	1.3		1836	0.2
	2344	0.3		2359	1.3						
<b>5</b> Su	0547	1.3	<b>13</b> Mo	0618	0.3	<b>21</b> Tu	0015	0.3	<b>29</b> We	0045	1.4
	1202	0.2		1226	1.2		0617	1.2		0705	0.2
	1826	1.4		1833	0.4		1226	0.2		1324	1.3
							1848	1.3		1934	0.3
<b>6</b> Mo	0039	0.2	<b>14</b> Tu	0043	1.2	<b>22</b> We	0104	0.3	<b>30</b> Th	0141	1.3
	0642	1.3		0702	0.3		0707	1.3		0801	0.2
	1255	0.2		1313	1.2		1316	0.2		1422	1.3
	1919	1.4		1920	0.4		1936	1.4		2033	0.3
<b>7</b> Tu	0133	0.2	<b>15</b> We	0128	1.2	<b>23</b> Th	0153	0.2	<b>31</b> Fr	0239	1.3
	0735	1.3		0746	0.3		0758	1.3		0857	0.2
	1346	0.2		1401	1.2		1407	0.2		1521	1.3
	2009	1.4		2008	0.4		2025	1.4		2132	0.3
<b>8</b> We	0224	0.2	<b>16</b> Th	0213	1.2	<b>24</b> Fr	0243	0.2			
	0826	1.3		0830	0.3		0850	1.3			
	1436	0.2		1448	1.2		1458	0.2			
	2057	1.4		2057	0.4		2115	1.4			

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

**AUGUST 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Sa	0337	1.3	<b>9</b> Su	0413	0.3	<b>17</b> Mo	0402	1.2	<b>25</b> Tu	0456	0.1
	0954	0.2		1019	1.2		1014	0.3		1112	1.4
	1619	1.3		1628	0.3		1635	1.3		1723	0.2
	2230	0.3		2239	1.3		2251	0.3		2332	1.4
<b>2</b> Su	0434	1.3	<b>10</b> Mo	0456	0.3	<b>18</b> Tu	0455	1.2	<b>26</b> We	0550	0.1
	1049	0.2		1104	1.2		1106	0.3		1208	1.4
	1714	1.3		1712	0.4		1727	1.3		1820	0.2
	2327	0.3		2321	1.2		2343	0.3			
<b>3</b> Mo	0530	1.3	<b>11</b> Tu	0538	0.3	<b>19</b> We	0549	1.3	<b>27</b> Th	0028	1.4
	1143	0.2		1148	1.2		1159	0.2		0645	0.2
	1807	1.3		1757	0.4		1818	1.4		1306	1.4
										1918	0.2
<b>4</b> Tu	0020	0.3	<b>12</b> We	0004	1.2	<b>20</b> Th	0035	0.2	<b>28</b> Fr	0124	1.3
	0623	1.3		0620	0.3		0643	1.3		0741	0.2
	1234	0.2		1233	1.2		1252	0.2		1404	1.3
	1857	1.3		1842	0.4		1910	1.4		2017	0.3
<b>5</b> We	0111	0.3	<b>13</b> Th	0047	1.2	<b>21</b> Fr	0127	0.2	<b>29</b> Sa	0222	1.3
	0713	1.3		0703	0.3		0736	1.4		0838	0.2
	1324	0.3		1319	1.2		1346	0.1		1503	1.3
	1945	1.3		1929	0.4		2001	1.5		2115	0.3
<b>6</b> Th	0159	0.3	<b>14</b> Fr	0132	1.2	<b>22</b> Sa	0219	0.1	<b>30</b> Su	0320	1.3
	0802	1.3		0747	0.3		0829	1.4		0935	0.3
	1411	0.3		1406	1.2		1439	0.1		1600	1.3
	2030	1.3		2017	0.4		2053	1.5		2213	0.3
<b>7</b> Fr	0246	0.3	<b>15</b> Sa	0220	1.2	<b>23</b> Su	0311	0.1	<b>31</b> Mo	0417	1.2
	0849	1.3		0834	0.3		0923	1.4		1030	0.3
	1458	0.3		1454	1.2		1533	0.1		1655	1.3
	2114	1.3		2108	0.4		2145	1.5		2307	0.3
<b>8</b> Sa	0330	0.3	<b>16</b> Su	0310	1.2	<b>24</b> Mo	0403	0.1			
	0935	1.2		0923	0.3		1017	1.4			
	1543	0.3		1544	1.2		1628	0.1			
	2157	1.3		2159	0.4		2238	1.5			

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 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Tu	0512	1.2	<b>9</b> We	0458	0.3	<b>17</b> Th	0523	1.3	<b>25</b> Fr	0009	1.4
	1123	0.3		1111	1.2		1134	0.2		0623	0.2
	1746	1.3		1722	0.4		1750	1.4		1245	1.4
	2359	0.3		2326	1.2					1859	0.2
<b>2</b> We	0603	1.2	<b>10</b> Th	0539	0.3	<b>18</b> Fr	0008	0.2	<b>26</b> Sa	0105	1.3
	1213	0.3		1154	1.2		0619	1.4		0719	0.2
	1834	1.3		1806	0.4		1230	0.2		1342	1.3
					1844		1.4	1957		0.3	
<b>3</b> Th	0047	0.3	<b>11</b> Fr	0009	1.2	<b>19</b> Sa	0102	0.1	<b>27</b> Su	<b>0303</b>	<b>1.3</b>
	0652	1.2		0621	0.3		0715	1.4		<b>0916</b>	<b>0.3</b>
	1301	0.3		1238	1.2		1325	0.1		<b>1540</b>	<b>1.3</b>
	1919	1.3		1852	0.4		1938	1.5		<b>2155</b>	<b>0.3</b>
<b>4</b> Fr	0132	0.3	<b>12</b> Sa	0054	1.2	<b>20</b> Su	0155	0.1	<b>28</b> Mo	<b>0401</b>	<b>1.2</b>
	0738	1.2		0706	0.3		0809	1.5		<b>1013</b>	<b>0.3</b>
	1347	0.3		1324	1.2		1420	0.1		<b>1636</b>	<b>1.3</b>
	2002	1.3		1940	0.4		2032	1.5		<b>2251</b>	<b>0.3</b>
<b>5</b> Sa	0216	0.3	<b>13</b> Su	0143	1.2	<b>21</b> Mo	0248	0.1	<b>29</b> Tu	<b>0458</b>	<b>1.2</b>
	0822	1.3		0755	0.3		0904	1.5		<b>1108</b>	<b>0.3</b>
	1431	0.3		1414	1.2		1515	0.1		<b>1729</b>	<b>1.3</b>
	2043	1.3		2031	0.4		2125	1.5		<b>2344</b>	<b>0.3</b>
<b>6</b> Su	0257	0.3	<b>14</b> Mo	0235	1.2	<b>22</b> Tu	0341	0.1	<b>30</b> We	<b>0551</b>	<b>1.2</b>
	0905	1.3		0847	0.3		0958	1.5		<b>1201</b>	<b>0.3</b>
	1515	0.3		1506	1.3		1610	0.1		<b>1819</b>	<b>1.3</b>
	2124	1.3		2124	0.4		2219	1.5			
<b>7</b> Mo	0338	0.3	<b>15</b> Tu	0330	1.2	<b>23</b> We	0434	0.1			
	0948	1.2		0942	0.3		1053	1.5			
	1557	0.3		1600	1.3		1706	0.1			
	2205	1.3		2219	0.3		2313	1.4			
<b>8</b> Tu	0418	0.3	<b>16</b> We	0427	1.3	<b>24</b> Th	0529	0.1			
	1030	1.2		1038	0.2		1148	1.4			
	1640	0.4		1655	1.3		1802	0.2			
	2245	1.2		2314	0.2						

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 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Th	0033	0.3	<b>9</b> Fr	0602	0.3	<b>17</b> Sa	0042	0.1	<b>25</b> Su	0144	1.3
	0641	1.2		1218	1.2		0658	1.4		0755	0.3
	1250	0.4		1834	0.4		1309	0.2		1416	1.3
	1906	1.3					1920	1.4		2034	0.3
<b>2</b> Fr	0119	0.3	<b>10</b> Sa	0035	1.2	<b>18</b> Su	0137	0.1	<b>26</b> Mo	0240	1.2
	0728	1.2		0645	0.3		0754	1.5		0850	0.3
	1337	0.3		1301	1.2		1406	0.1		1511	1.3
	1950	1.3		1918	0.4		2015	1.5		2129	0.3
<b>3</b> Sa	0203	0.3	<b>11</b> Su	0121	1.2	<b>19</b> Mo	0232	0.1	<b>27</b> Tu	0336	1.2
	0813	1.2		0731	0.3		0850	1.5		0946	0.4
	1422	0.3		1347	1.2		1502	0.1		1605	1.2
	2032	1.3		2007	0.4		2110	1.5		2222	0.3
<b>4</b> Su	0244	0.3	<b>12</b> Mo	0211	1.2	<b>20</b> Tu	0325	0.0	<b>28</b> We	0432	1.2
	0855	1.3		0821	0.3		0944	1.5		1040	0.4
	1505	0.3		1437	1.3		1557	0.1		1657	1.2
	2112	1.3		2059	0.3		2204	1.5		2313	0.3
<b>5</b> Mo	0324	0.3	<b>13</b> Tu	0305	1.2	<b>21</b> We	0419	0.1	<b>29</b> Th	0525	1.2
	0937	1.3		0916	0.3		1038	1.5		1133	0.4
	1547	0.3		1532	1.3		1652	0.1		1746	1.2
	2153	1.2		2153	0.3		2259	1.4			
<b>6</b> Tu	0404	0.3	<b>14</b> We	0402	1.2	<b>22</b> Th	0512	0.1	<b>30</b> Fr	0001	0.3
	1017	1.3		1013	0.3		1132	1.5		0614	1.2
	1629	0.4		1628	1.3		1747	0.1		1223	0.4
	2232	1.2		2250	0.3		2353	1.4		1833	1.2
<b>7</b> We	0443	0.3	<b>15</b> Th	0501	1.3	<b>23</b> Fr	0606	0.1	<b>31</b> Sa	0047	0.3
	1058	1.3		1112	0.2		1227	1.4		0701	1.2
	1710	0.4		1726	1.4		1842	0.2		1310	0.4
	2312	1.2		2346	0.2					1917	1.2
<b>8</b> Th	0522	0.3	<b>16</b> Fr	0600	1.4	<b>24</b> Sa	0048	1.3			
	1137	1.3		1211	0.2		0700	0.2			
	1751	0.4		1823	1.4		1321	1.4			
	2353	1.2					1938	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

**NOVEMBER 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Su	0129	0.3	<b>9</b> Mo	0054	1.2	<b>17</b> Tu	0209	0.1	<b>25</b> We	0306	1.2
	0745	1.2		0702	0.3		0830	1.5		0914	0.4
	1355	0.4		1317	1.3		1444	0.1		1528	1.2
	2000	1.2		1939	0.3		2049	1.4		2147	0.3
<b>2</b> Mo	0211	0.3	<b>10</b> Tu	0144	1.2	<b>18</b> We	0304	0.1	<b>26</b> Th	0359	1.2
	0827	1.3		0754	0.3		0925	1.5		1007	0.4
	1438	0.4		1408	1.3		1539	0.1		1618	1.2
	2041	1.2		2031	0.3		2144	1.4		2236	0.4
<b>3</b> Tu	0251	0.3	<b>11</b> We	0239	1.2	<b>19</b> Th	0357	0.1	<b>27</b> Fr	0451	1.2
	0908	1.3		0850	0.3		1018	1.5		1059	0.4
	1520	0.4		1502	1.3		1633	0.1		1707	1.2
	2122	1.2		2126	0.3		2238	1.4		2324	0.4
<b>4</b> We	0330	0.3	<b>12</b> Th	0338	1.3	<b>20</b> Fr	0450	0.1	<b>28</b> Sa	0541	1.2
	0948	1.3		0948	0.3		1111	1.5		1149	0.4
	1601	0.4		1600	1.3		1727	0.2		1754	1.2
	2202	1.2		2223	0.2		2332	1.4			
<b>5</b> Th	0410	0.3	<b>13</b> Fr	0438	1.3	<b>21</b> Sa	0542	0.2	<b>29</b> Su	0009	0.3
	1028	1.3		1049	0.3		1203	1.4		0628	1.2
	1642	0.4		1659	1.4		1820	0.2		1238	0.4
	2243	1.2		2320	0.2					1840	1.2
<b>6</b> Fr	0449	0.3	<b>14</b> Sa	0538	1.4	<b>22</b> Su	0025	1.3	<b>30</b> Mo	0053	0.3
	1107	1.3		1149	0.2		0635	0.2		0713	1.2
	1723	0.4		1758	1.4		1255	1.4		1324	0.4
	2324	1.2					1913	0.2		1925	1.2
<b>7</b> Sa	0531	0.3	<b>15</b> Su	0018	0.1	<b>23</b> Mo	0119	1.3			
	1148	1.3		0637	1.4		0727	0.3			
	1806	0.3		1249	0.2		1346	1.3			
				1857	1.4		2005	0.3			
<b>8</b> Su	0007	1.2	<b>16</b> Mo	0114	0.1	<b>24</b> Tu	0212	1.2			
	0615	0.3		0734	1.5		0820	0.3			
	1231	1.3		1347	0.1		1438	1.3			
	1851	0.3		1954	1.4		2057	0.3			

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

**DECEMBER 2020**

**CHATHAM ISLAND LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

	Time	m		Time	m		Time	m		Time	m
<b>1</b> Tu	0135	0.3	<b>9</b> We	0124	1.3	<b>17</b> Th	0243	0.1	<b>25</b> Fr	0321	1.2
	0757	1.3		0733	0.3		0906	1.5		0929	0.4
	1409	0.4		1344	1.3		1521	0.2		1536	1.2
	2009	1.2		2008	0.2		2124	1.4		2155	0.4
<b>2</b> We	0217	0.3	<b>10</b> Th	0219	1.3	<b>18</b> Fr	0336	0.1	<b>26</b> Sa	0412	1.2
	0839	1.3		0829	0.3		0958	1.5		1020	0.5
	1452	0.4		1438	1.3		1614	0.2		1624	1.2
	2052	1.2		2102	0.2		2217	1.4		2241	0.4
<b>3</b> Th	0258	0.3	<b>11</b> Fr	0317	1.3	<b>19</b> Sa	0428	0.2	<b>27</b> Su	0501	1.2
	0920	1.3		0928	0.3		1049	1.4		1111	0.5
	1534	0.4		1536	1.3		1705	0.2		1712	1.2
	2134	1.2		2159	0.2		2309	1.3		2327	0.4
<b>4</b> Fr	0340	0.3	<b>12</b> Sa	0417	1.3	<b>20</b> Su	0518	0.2	<b>28</b> Mo	0550	1.2
	1000	1.3		1028	0.3		1138	1.4		1201	0.4
	1616	0.3		1635	1.3		1756	0.2		1801	1.2
	2216	1.2		2257	0.2						
<b>5</b> Sa	0422	0.3	<b>13</b> Su	0518	1.4	<b>21</b> Mo	0000	1.3	<b>29</b> Tu	0013	0.3
	1041	1.3		1130	0.2		0609	0.3		0637	1.2
	1658	0.3		1736	1.4		1226	1.4		1249	0.4
	2300	1.2		2355	0.1		1845	0.2		1848	1.2
<b>6</b> Su	0505	0.3	<b>14</b> Mo	0617	1.4	<b>22</b> Tu	0051	1.3	<b>30</b> We	0058	0.3
	1122	1.3		1230	0.2		0658	0.3		0723	1.2
	1742	0.3		1835	1.4		1314	1.3		1336	0.4
	2345	1.2					1933	0.3		1935	1.2
<b>7</b> Mo	0551	0.3	<b>15</b> Tu	0052	0.1	<b>23</b> We	0141	1.2	<b>31</b> Th	0143	0.3
	1206	1.3		0716	1.4		0748	0.4		0807	1.3
	1827	0.3		1329	0.2		1401	1.3		1421	0.4
				1933	1.4		2021	0.3		2021	1.2
<b>8</b> Tu	0033	1.2	<b>16</b> We	0148	0.1	<b>24</b> Th	0231	1.2			
	0640	0.3		0812	1.5		0838	0.4			
	1253	1.3		1426	0.2		1448	1.2			
	1916	0.3		2030	1.4		2108	0.3			

TIMES LISTED ARE CHATHAM ISLAND DAYLIGHT SAVING TIME

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