

AUCKLAND

1 Mon 05:41 18:09	00:17 3.1 06:15 0.5 12:38 3.1 18:40 0.7	9 Tue 00:42 0.4 08:08 3.4 14:04 0.3 20:27 3.4	17 Wed 07:20 19:44	01:50 2.8 07:49 0.9 14:25 2.8 20:28 1.0	25 Thu 01:03 13:27	02:15 0.6 08:39 3.1 14:35 0.6 20:57 3.2
2 Tue 08:38 20:06	01:06 3.1 07:05 0.6 13:31 3.1 19:36 0.8	10 Wed 01:33 13:58	18 Thu 08:06 20:31	02:32 0.3 08:58 3.4 14:53 0.3 21:16 3.4	26 Fri 01:51 14:16	02:57 0.5 09:21 3.2 15:16 0.5 21:40 3.2
3 Wed 07:36 20:06	02:00 3.0 08:01 0.7 14:31 3.0 20:38 0.8	11 Thu 02:23 14:48	19 Fri 08:54 21:17	03:20 0.3 09:46 3.5 15:39 0.3 22:03 3.4	27 Sat 02:42 15:09	03:40 0.4 10:03 3.3 16:00 0.5 22:24 3.2
4 Thu 08:35 21:04	03:00 2.9 09:03 0.7 15:35 3.0 21:44 0.8	12 Fri 03:10 15:37	20 Sat 09:40 22:02	04:06 0.3 10:31 3.4 16:25 0.4 22:49 3.3	28 Sun 03:36 16:04	04:24 0.3 10:47 3.3 16:45 0.5 23:11 3.2
5 Fri 09:33 22:02	04:05 2.9 10:11 0.7 16:41 3.1 22:49 0.7	13 Sat 04:02 16:27	21 Sun 10:24 22:47	04:50 0.4 11:16 3.3 17:10 0.5 23:34 3.2	29 Mon 04:33 17:02	05:09 0.4 11:34 3.3 17:34 0.6
6 Sat 10:30 22:57	05:11 3.0 11:17 0.6 17:44 3.2 23:51 0.6	14 Sun 04:52 17:17	22 Mon 11:09 23:31	05:33 2.7 11:42 1.0 18:03 2.8	30 Tue 05:31 18:01	00:00 3.2 05:57 0.4 12:23 3.2 18:27 0.6
7 Sun 11:24 23:51	06:15 3.1 12:17 0.5 18:42 3.3	15 Mon 05:42 18:07	23 Tue 11:53	00:05 0.9 06:26 2.8 12:30 0.9 18:49 2.9	31 Wed 06:30 18:59	00:01 3.1 06:48 0.5 13:18 3.2 19:24 0.7
8 Mon 12:17	00:48 0.5 07:14 3.2 13:13 0.4 19:36 3.4	16 Tue 06:12 18:56	24 Wed 12:38	01:03 2.9 07:00 0.8 13:33 2.9 19:34 0.9		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Maraetai	-00:15	-00:15	Murrays Bay	-00:25	-00:03
Onetanga Bay	+00:04	-00:07	Tiritiri Matangi Island	+00:10	-00:03
Coromandel Harb	-00:21	-00:15	Wetiki River Entrance	+00:01	+00:07
Thames (Rocky Pt)	-00:17	-00:12	Mansion House Bay	-00:15	-00:04
Mahurangi Harb	+00:02	+00:12	Man O' War Bay	-00:18	-00:07
Mangahai Hds	+00:05	+00:05	Matiatia Bay	+00:01	+00:12
Matakana River	+00:05	+00:05			

TAURANGA

1 Mon 05:36 18:03	00:02 1.8 06:12 0.2 12:30 1.8 18:38 0.3	9 Tue 00:37 13:02	17 Wed 07:14 19:38	01:32 0.1 07:52 1.9 13:53 0.2 20:14 2.0	25 Thu 00:57 13:21	02:06 0.3 08:25 1.8 14:24 0.3 20:42 1.8
2 Tue 06:32 19:01	00:51 1.8 07:01 0.2 13:23 1.8 19:32 0.4	10 Wed 01:27 13:52	18 Thu 08:02 20:25	02:24 0.1 08:44 1.9 14:45 0.1 21:03 2.0	26 Fri 01:45 14:10	02:50 0.2 09:09 1.8 15:09 0.3 21:25 1.8
3 Wed 07:30 20:00	01:44 1.7 07:55 0.3 14:20 1.8 20:30 0.4	11 Thu 02:17 14:42	19 Fri 08:49 21:11	03:13 0.1 09:33 2.0 15:34 0.1 21:51 1.9	27 Sat 02:36 15:03	03:33 0.2 09:53 1.9 15:55 0.3 22:10 1.9
4 Thu 08:29 20:58	02:43 1.7 08:54 0.3 15:22 1.8 21:32 0.4	12 Fri 03:07 15:31	20 Sat 09:34 21:56	04:00 0.1 10:21 1.9 16:22 0.2 22:37 1.9	28 Sun 03:31 16:59	04:18 0.1 10:38 1.9 16:42 0.3 22:56 1.8
5 Fri 09:27 21:56	03:47 1.7 09:56 0.3 16:26 1.8 22:35 0.3	13 Sat 03:56 16:21	21 Sun 10:19 22:41	04:46 0.1 11:07 1.9 17:09 0.2 23:22 1.8	29 Mon 04:27 16:56	05:04 0.1 11:25 1.9 17:31 0.3 23:44 1.8
6 Sat 10:24 22:51	04:53 1.7 10:59 0.3 17:28 1.8 23:37 0.3	14 Sun 04:46 17:11	22 Mon 11:03 23:25	05:30 0.2 11:52 1.9 17:56 0.3	30 Tue 05:26 17:55	05:52 0.1 12:15 1.9 18:23 0.3
7 Sun 11:18 23:45	05:57 1.8 12:00 0.2 18:26 1.9	15 Mon 05:36 18:01	23 Tue 11:48	00:07 1.8 06:15 0.3 12:38 1.8 18:43 0.4	31 Wed 06:24 18:53	00:35 1.8 06:43 0.2 13:09 1.9 19:18 0.3
8 Mon 12:11	00:37 0.2 06:57 1.8 12:58 0.2 19:21 1.9	16 Tue 06:26 18:50	24 Wed 00:10 12:33	00:52 1.7 06:59 0.3 13:26 1.7 19:31 0.4		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Haurere Point	-00:25	-00:30	Tapuaeatahi Bay	-00:29	-00:20
Maketu Est Entrance	-00:40	-00:40	Whangamata	-00:10	-00:10
Moutohora/Whale Is.	-00:29	-00:24	Whitianga	-00:05	-00:10
Opotiki Wharf	-00:24	-00:07	Omaio Bay	-00:33	-00:27
Papamoa Beach	-00:40	-00:40	East Cape	-00:45	-00:41
Port Ohope Wharf	+00:21	+00:00	Hicks Bay	-00:45	-00:31
Te Kaha	-00:30	-00:40	Tolaga Bay	-01:04	-01:10
Wahi Beach	-00:15	-00:15	Waipiro Bay	-00:52	-00:58
Whakaari/White Island	-00:23	-00:17	Bowentown	-00:05	-00:05
Whakataene	-00:23	-00:07	Katikati	+00:30	+00:30
Pauanui	-00:04	-00:02	Omokoroa	+00:47	+00:52
Slipper Island(Whakahu)	-00:38	-00:10	Town Wharf	+00:20	+00:20
Tairua	-00:03	-00:03			

TARANAKI

1 Mon 05:44 18:12	02:14 3.2 08:34 0.7 14:43 3.1 21:06 0.9	9 Tue 00:45 13:11	17 Wed 07:23 19:47	04:26 0.2 10:36 3.7 16:46 0.2 22:54 3.7	25 Thu 01:06 13:30	04:47 0.4 10:56 3.5 17:05 0.4 23:06 3.5
2 Tue 06:41 19:10	03:12 3.0 09:32 0.9 15:47 3.0 22:13 1.0	10 Wed 01:36 14:01	18 Thu 08:11 20:34	05:09 0.1 11:18 3.7 17:28 0.2 23:35 3.7	26 Fri 01:54 14:19	05:24 0.3 11:32 3.6 17:43 0.4 23:44 3.5
3 Wed 07:39 20:09	04:21 2.9 10:40 1.0 17:04 2.9 23:29 1.0	11 Thu 02:26 14:51	19 Fri 08:57 21:20	05:50 0.2 11:57 3.6 18:09 0.3	27 Sat 02:45 15:12	06:03 0.3 12:10 3.6 18:24 0.4
4 Thu 08:38 21:07	05:38 2.9 11:58 1.0 18:24 3.0	12 Fri 03:15 15:40	20 Sat 09:43 22:05	00:15 3.6 06:31 0.3 12:36 3.5 18:49 0.4	28 Sun 03:39 16:07	00:25 3.5 06:44 0.4 12:51 3.5 19:08 0.5
5 Fri 09:36 22:05	00:45 0.9 06:56 3.0 13:15 0.9 19:36 3.2	13 Sat 04:05 16:30	21 Sun 10:27 22:50	00:54 3.4 07:10 0.5 13:14 3.4 19:29 0.7	29 Mon 04:36 17:05	01:11 3.3 07:30 0.5 13:38 3.4 19:59 0.6
6 Sat 10:33 23:00	01:52 0.7 08:04 3.2 14:20 0.6 20:35 3.4	14 Sun 04:55 17:20	22 Mon 11:12 23:34	01:34 3.2 07:50 0.7 13:54 3.2 20:12 0.9	30 Tue 05:34 18:04	02:03 3.2 08:21 0.7 14:32 3.2 20:57 0.8
7 Sun 11:27 23:54	02:49 0.5 09:01 3.4 15:14 0.4 21:26 3.6	15 Mon 05:45 18:10	23 Tue 11:56	02:18 3.0 08:32 0.9 14:39 3.0 21:01 1.1	31 Wed 06:33 19:02	03:03 3.0 09:19 0.8 15:37 3.1 22:03 0.9
8 Mon 12:20	03:39 0.3 09:51 3.5 16:02 0.3 22:11 3.7	16 Tue 06:59 18:59	24 Wed 12:40	03:08 2.8 09:21 1.1 15:33 2.8 22:00 1.2		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Ahipara	-00:15	-00:15	Rawene	+00:27	+00:27
Actea Harbour	-00:04	-00:04	Dargaville	+02:28	+03:46
Cape Maria Van D'n	-00:35	-00:35	Helensville	+02:22	+02:49
Karehana Bay	-00:07	-00:18	Island Point	+00:46	+00:46
Kawhia	+00:24	+00:01	Pouito Point	+00:42	+00:38
Makara Beach	-00:40	-00:40	Shelly Beach	+00:53	+00:50
Manawatu Riv Entrance	-00:20	-00:20	Te Kopuru	+01:56	+02:36
Otaki River Entrance	-00:20	-00:20	Tikiniu	+01:38	+01:55
Paraparaumu Beach	-00:20	-00:20	Tinopai	+00:59	+00:59
Porirua Harbour	+00:03	-00:11	Whakapirau	+01:25	+01:07
Raglan	+00:31	+00:14	Waiorua Bay	+00:04	+00:01
Waikanae Riv Entrance	+00:00	-00:04	Great Island	-01:36	-01:33
Waikato River Entrance	-00:04	-00:04	Waitara River Entrance	+00:00	+00:00
Waitare Beach	-00:20	-00:20	Opanake Bay	-00:05	-00:05
Kohukohu	+00:36	+00:33	Patea	+00:34	+01:00
Opononi	+00:07	+00:10	Whanganui River Ent	+00:20	+00:29

MARSDEN POINT

1 Mon 05:43 18:10	00:22 2.6 06:32 0.5 12:51 2.6 18:58 0.7	9 Tue 00:43 13:05	17 Wed 07:21 19:45	01:59 0.4 08:17 2.7 14:19 0.4 20:37 2.8	25 Thu 01:04 13:28	02:32 0.5 08:47 2.6 14:50 0.6 21:02 2.6
2 Tue 06:39 19:08	01:12 2.5 07:22 0.6 13:44 2.5 19:54 0.7	10 Wed 01:34 13:59	18 Thu 08:09 20:32	02:49 0.3 09:07 2.8 15:09 0.4 21:25 2.8	26 Fri 01:52 14:17	03:14 0.5 09:30 2.6 15:32 0.6 21:45 2.6
3 Wed 07:37 20:07	02:07 2.4 08:18 0.6 14:43 2.5 20:56 0.8	11 Thu 02:24 14:48	19 Fri 08:55 21:18	03:37 0.3 09:55 2.8 15:57 0.4 22:11 2.8	27 Sat 02:43 15:10	03:56 0.4 10:13 2.7 16:17 0.5 22:30 2.6
4 Thu 08:36 21:05	03:07 2.4 09:20 0.6 15:47 2.5 22:01 0.7	12 Fri 03:14 15:38	20 Sat 09:41 22:03	04:23 0.3 10:41 2.8 16:43 0.5 22:56 2.7	28 Sun 03:37 16:06	04:40 0.4 10:58 2.7 17:03 0.5 23:16 2.6
5 Fri 09:34 22:03	04:13 2.4 10:25 0.6 16:52 2.5 23:06 0.7	13 Sat 04:03 16:28	21 Sun 10:25 22:48	05:07 0.4 11:25 2.7 17:29 0.6 23:40 2.6	29 Mon 04:34 17:03	05:25 0.4 11:45 2.7 17:53 0.6
6 Sat 10:31 22:58	05:20 2.4 11:30 0.6 17:54 2.6	14 Sun 04:53 17:18	22 Mon 11:10 23:32	05:50 0.5 12:09 2.6 18:15 0.7	30 Tue 05:33 18:02	00:05 2.6 06:13 0.4 12:36 2.7 18:46 0.6
7 Sun 11:25 23:52	00:07 0.6 06:24 2.5 12:31 0.5 18:52 2.7	15 Mon 05:43 18:08	23 Tue 11:54	00:23 2.5 06:34 0.6 12:54 2.5 19:02 0.8	31 Wed 06:31 19:00	00:57 2.5 07:05 0.5 13:30 2.6 19:43 0.7
8 Mon 12:18	01:05 0.5 07:23 2.6 13:27 0.4 19:46 2.8	16 Tue 06:33 18:57	24 Wed 00:17 12:40	01:08 2.4 07:19 0.7 13:42 2.4 19:52 2.8		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Mangonui	+00:33	+00:49	Port Jackson	-00:37	-00:32
Tutukaka Harbour	-00:15	-00:10	Nagle Cove	-00:31	-00:27
Whangamou Harbour	+00:14	+00:31	Tryphena	-00:29	-00:25
Whangarei	+00:20	+00:12	Houhora Harbour Entrance	+00:19	+00:16
Dairy Factory Wharf	+01:22	+02:23	Pakenui Wharf	+00:30	+00:30
Unahi Jetty	+01:02	+01:17	Raoul Island (Fishing Rock)	-00:36	-00:33
Doves Bay	-00:06	-00:02	Burgess Island	-00:24	-00:20
Kenken	+00:02	+00:18	Waiti Bay	+00:13	+00:09
Opua	+00:01	+00:01	Ngatete Point	+01:40	+01:45
Russell	+00:00	+00:04	Scheigis Rock	+00:15	-00:03
Waitangi	+00:22	+00:22	Whangaroa	+00:05	+00:08

NAPIER

1 Mon 05:33 18:00	04:48 0.2 10:57 1.7 17:16 0.2 23:26 1.7	9 Tue 00:33 12:59	06:06 1.8 12:18 0.1 18:30 1.8	17 Wed 07:11 19:35	00:20 1.5 06:29 0.4 12:46 1.6 19:04 0.4	25 Thu 00:54 13:18	00:32 0.3 06:40 1.6 12:52 0.3 19:01 1.6
2 Tue 08:29 18:58	05:37 0.2 11:49 1.7 18:10 0.2	10 Wed 01:24 13:49	00:48 0.1 07:01 1.8 13:12 0.1 19:24 1.8	18 Thu 07:59 20:22	01:07 1.5 07:17 0.4 13:34 1.6 19:53 0.4	26 Fri 01:42 14:07	01:17 0.3 07:26 1.7 13:38 0.3 19:48 1.7
3 Wed 07:27 19:57	00:19 1.6 06:29 0.2 12:43 1.7 19:06 0.2	11 Thu 02:14 14:39	01:41 0.1 07:54 1.8 14:06 0.1 20:16 1.8	19 Fri 08:46 21:08	01:56 1.5 08:06 0.4 14:23 1.6 20:42 0.4	27 Sat 02:33 15:00	02:02 0.2 08:12 1.7 14:26 0.2 20:36 1.7
4 Thu 08:26 20:55	01:14 1.6 07:25 0.2 13:41 1.8 20:03 0.2	12 Fri 03:04 15:28	02:33 0.1 08:45 1.8 14:57 0.1 21:07 1.8	20 Sat 09:31 21:53	02:45 1.5 08:56 0.4 15:12 1.5 21:29 0.4	28 Sun 03:27 15:55	02:49 0.2 08:59 1.8 15:15 0.2 21:26 1.7
5 Fri 09:24 21:53	02:11 1.6 08:23 0.2 14:40 1.8 21:01 0.2	13 Sat 03:53 16:18	03:22 0.2 09:35 1.8 15:48 0.2 21:57 1.7	21 Sun 10:15 22:38	03:34 1.5 09:46 0.4 15:59 1.6 22:16 0.4	29 Mon 04:24 16:53	03:38 0.2 09:48 1.8 16:07 0.2 22:17 1.7
6 Sat 10:21 22:48	03:10 1.7 09:23 0.2 15:39 1.8 21:59 0.2	14 Sun 04:43 17:08	04:10 0.2 10:23 1.7 16:37 0.2 22:45 1.6	22 Mon 11:00 23:22	04:22 1.5 10:34 0.4 16:45 1.6 23:02 0.4	30 Tue 05:22 17:52	04:27 0.2 10:39 1.8 17:00 0.2 23:10 1.7
7 Sun 11:15 23:42	04:10 1.7 10:22 0.2 16:37 1.8 22:57 0.1	15 Mon 05:33 17:58	04:56 0.3 11:10 1.7 17:27 0.3 23:33 1.6	23 Tue 11:44	05:09 1.5 11:21 0.4 17:30 1.6 23:47 0.3	31 Wed 06:21 18:50	05:19 0.2 11:33 1.8 17:55 0.2
8 Mon 12:08	05:09 1.7 11:21 0.1 17:34 1.8 23:53 0.1	16 Tue 06:23 18:47	05:42 0.3 11:58 1.6 18:16 0.3	24 Wed 07:30 19:54	05:55 1.6 12:06 0.3 18:15 1.6		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
HAWKES BAY			Bare Island	-00:17	-00:17
Cape Kidnappers	-00:20	-00:20	Cape Turnagain	-00:49	-00:49
Portland Island	-00:15	-00:15	Castlepoint	-00:17	-00:19
Wairoa River Mouth	+00:00	+00:00	Porangahau Riv Entrance	-00:38	-00:38
WAIRARAPA COAST			Punawaiwai	-00:30	-00:30
Akito River Entrance	-01:00	-01:00			

WELLINGTON

1 Mon 05:41 18:09	04:29 0.6 10:31 1.7 16:55 0.6 23:02 1.6	9 Tue 00:42 13:08	05:21 1.7 11:35 0.5 17:47 1.8	17 Wed 07:20 19:44	06:02 0.7 12:17 1.6 18:37 0.6	25 Thu 01:02 13:26	05:59 1.6 12:10 0.7 18:26 1.5
2 Tue 06:38 19:07	05:15 0.6 11:21 1.7 17:44 0.5 23:50 1.7	10 Wed 01:33 13:58	00:05 0.6 06:18 1.7 12:35 0.5 18:44 1.7	18 Thu 08:08 20:31	00:37 1.6 06:44 0.7 13:01 1.6 19:18 0.7	26 Fri 01:51 14:16	00:44 0.7 06:49 1.6 13:05 0.7 19:19 1.6
3 Wed 07:36 20:05	06:02 0.6 12:12 1.8 18:33 0.5	11 Thu 02:23 14:48	01:04 0.6 07:14 1.7 13:34 0.5 19:41 1.7	19 Fri 08:54 21:17	01:19 1.5 07:26 0.7 13:44 1.6 19:58 0.7	27 Sat 02:42 15:09	01:36 0.7 07:38 1.6 14:00 0.6 20:11 1.6
4 Thu 08:35 21:04	00:40 1.7 06:52 0.5 13:05 1.8 19:23 0.5	12 Fri 03:12 15:37	02:00 0.6 08:08 1.7 14:31 0.5 20:36 1.7	20 Sat 09:40 22:02	02:02 1.5 08:07 0.7 14:26 1.6 20:39 0.7	28 Sun 03:36 16:04	02:26 0.7 08:28 1.7 14:54 0.6 21:02 1.6
5 Fri 09:33 22:02	01:33 1.7 07:44 0.5 13:59 1.8 20:14 0.5	13 Sat 04:02 16:27	02:54 0.6 09:01 1.7 15:26 0.6 21:29 1.7	21 Sun 10:24 22:46	02:47 1.5 08:50 0.7 15:09 1.6 21:22 0.7	29 Mon 04:33 17:02	03:15 0.6 09:19 1.7 15:46 0.6 21:52 1.7
6 Sat 10:30 22:57	02:27 1.7 08:39 0.5 14:55 1.8 21:08 0.5	14 Sun 04:52 17:17	03:45 0.6 09:52 1.7 16:19 0.6 22:19 1.6	22 Mon 11:09 23:31	03:33 1.5 09:36 0.7 15:55 1.5 22:08 0.7	30 Tue 05:31 18:01	04:04 0.6 10:10 1.8 16:38 0.5 22:42 1.7
7 Sun 11:24 23:51	03:24 1.7 09:36 0.5 15:51 1.8 22:05 0.5	15 Mon 05:42 18:07	04:33 0.6 10:42 1.7 17:08 0.6 23:07 1.6	23 Tue 11:53	04:20 1.5 10:24 0.7 16:43 1.5 22:58 0.7	31 Wed 06:30 18:59	04:54 0.5 11:02 1.8 17:28 0.5 23:32 1.7
8 Mon 12:17	04:23 1.7 10:35 0.5 16:49 1.8 23:05 0.6	16 Tue 06:32 18:56	05:18 0.6 11:31 1.7 17:54 0.6 23:53 1.6	24 Wed 07:16 19:41	05:09 1.5 11:16 0.7 17:34 1.5 23:51 0.7		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
COOK STRAIT			WAIRARAPA COAST		
Cape Terawhiti - Oteranga Bay	+01:07	+01:13	Cape Palliser (Matakitiakiupe)	+00:10	+00:10
Karori Rock Light	+00:45	+00:45			

NELSON

1 Mon 05:48 18:16	02:14 3.8 08:12 0.9 14:37 3.8 20:42 1.1	9 Tue 00:49 13:14	04:17 0.3 10:37 4.3 16:41 0.4 22:57 4.5	17 Wed 07:27 19:50	03:56 3.2 09:54 1.5 16:11 3.3 22:39 1.6	25 Thu 01:09 13:33	04:34 0.5 10:47 4.2 17:00 0.5 23:12 4.3
2 Tue 06:44 19:13	03:07 3.6 09:04 1.1 15:31 3.6 21:50 1.3	10 Wed 01:39 14:04	04:59 0.3 11:19 4.4 17:19 0.4 23:37 4.4	18 Thu 08:14 20:37	05:03 3.1 11:05 1.6 17:28 3.1	26 Fri 01:57 14:23	05:11 0.5 11:43 4.3 17:36 0.4 23:50 4.3
3 Wed 07:42 20:12	04:10 3.5 10:08 1.2 16:43 3.4 23:17 1.3	11 Thu 02:29 14:54	05:40 0.3 11:56 4.4 17:56 0.4	19 Fri 09:01 21:23	00:07 1.6 06:17 3.1 12:27 1.6 18:52 3.2	27 Sat 02:49 15:15	05:49 0.4 12:19 4.3 18:13 0.5
4 Thu 08:41 21:10	05:24 3.4 11:29 1.3 18:15 3.4	12 Fri 03:19 15:44	00:15 4.3 06:18 0.4 12:36 4.3 18:30 0.6	20 Sat 09:46 22:08	01:13 1.5 07:28 3.2 13:37 1.5 19:56 3.4	28 Sun 03:43 16:11	00:30 4.2 06:30 0.5 12:58 4.2 18:53 0.6
5 Fri 09:39 22:08	00:41 1.2 06:42 3.4 12:58 1.3 19:38 3.6	13 Sat 04:08 16:33	00:53 4.1 06:56 0.6 13:13 4.1 19:04 0.8	21 Sun 10:31 22:53	02:04 1.3 08:26 3.4 14:31 1.2 20:44 3.6	29 Mon 04:39 17:08	01:13 4.1 07:13 0.6 13:39 4.1 19:39 0.8
6 Sat 10:36 23:03	01:47 1.0 07:54 3.6 14:12 1.0 20:41 3.9	14 Sun 04:58 17:23	01:32 3.9 07:33 0.8 13:50 3.9 19:41 1.0	22 Mon 11:15 23:37	02:45 1.1 09:13 3.6 15:13 1.0 21:24 3.9	30 Tue 05:38 18:07	02:01 3.9 08:00 0.8 14:25 3.9 20:33 1.0
7 Sun 11:30 23:57	02:43 0.7 08:57 3.9 15:10 0.8 21:32 4.2	15 Mon 05:48 18:13	02:13 3.6 08:13 1.0 14:29 3.7 20:23 1.2	23 Tue 12:00	03:23 0.9 09:53 3.8 15:51 0.8 22:01 4.1	31 Wed 06:36 19:06	02:56 3.7 08:53 1.0 15:21 3.7 21:42 1.2
8 Mon 12:23	03:32 0.5 09:50 4.1 15:58 0.5 22:16 4.4	16 Tue 06:38 19:02	03:00 3.4 08:58 1.3 15:14 3.5 21:19 1.5	24 Wed 00:22 12:48	03:59 0.7 10:30 4.0 16:26 0.6 22:36 4.2		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Stevens Island (Takapourewa)	-00:30	-00:30	Portage	-00:16	-00:44
GOLDEN BAY			Whakatahuri	-00:51	-00:43
Collingwood	-00:25	-00:25	RANGITOTO KI TE TONGA/D'URVILLE IS		
Motupipi Inlet	-00:25	-00:25	Greville Harbour	-00:20	-00:20
Tarakohe	+00:03	+00:09	TASMAN BAY		
MARLBOROUGH SOUNDS			Astrolabe Roadstead	-00:20	-00:20
Catherine Cove	-00:31	-00:32	Crossilles Harbour	-00:18	-00:02
Elaine Bay	-00:29	-00:40	Kaiteriti	+00:02	+00:05
Elmslie Bay	-00:33	-00:32	Mapua	+00:20	+00:20
Havelock	-00:14	-00:34	Motueka	+00:05	+00:19
Pelorus Sound Entrance	-01:00	-01:20			

LYTELTON

1 Mon 05:50 18:18	03:44 0.5 10:01 2.3 16:15 0.6 22:28 2.2	9 Tue 00:51 13:16	05:01 2.5 11:16 0.3 17:25 2.6 23:41 0.3	17 Wed 07:29 19:53	05:30 0.7 11:49 2.2 18:08 0.7	25 Thu 01:11 13:35	05:33 2.3 11:48 0.6 17:51 2.3
2 Tue 06:46 19:15	04:37 0.5 10:54 2.4 17:11 0.6 23:23 2.2	10 Wed 01:41 14:06	05:55 2.5 12:09 0.3 18:17 2.5	18 Thu 08:16 20:40	00:13 2.1 06:21 0.7 12:38 2.2 18:59 0.7	26 Fri 02:00 14:25	00:08 0.5 06:18 2.3 12:34 0.5 18:38 2.3
3 Wed 07:45 20:14	05:32 0.5 11:49 2.4 18:10 0.5	11 Thu 02:31 14:56	00:33 0.3 06:48 2.5 13:01 0.3 19:08 2.5	19 Fri 09:03 21:26	01:03 2.1 07:10 0.7 13:28 2.2 19:47 0.7	27 Sat 02:51 15:18	00:54 0.5 07:06 2.4 13:22 0.5 19:28 2.3
4 Thu 08:43 21:13	00:19 2.3 06:29 0.5 12:46 2.4 19:08 0.5	12 Fri 03:21 15:46	01:23 0.3 07:40 2.5 13:51 0.4 20:00 2.4	20 Sat 09:48 22:11	01:51 2.1 07:59 0.7 14:16 2.2 20:32 0.7	28 Sun 03:45 16:13	01:42 0.4 07:57 2.4 14:11 0.5 20:21 2.3
5 Fri 09:42 22:10	01:16 2.3 07:27 0.4 13:45 2.5 20:05 0.4	13 Sat 04:11 16:36	02:13 0.4 08:31 2.4 14:41 0.5 20:52 2.3	21 Sun 10:33 22:55	02:38 2.1 08:46 0.7 15:01 2.2 21:16 0.6	29 Mon 04:42 17:11	02:33 0.4 08:49 2.4 15:04 0.5 21:16 2.3
6 Sat 10:38 23:06	02:13 2.4 08:25 0.4 14:43 2.5 21:00 0.4	14 Sun 05:01 17:26	03:02 0.5 09:21 2.4 15:32 0.6 21:44 2.2	22 Mon 11:17 23:39	03:23 2.1 09:32 0.7 15:44 2.2 21:58 0.6	30 Tue 05:40 18:09	03:25 0.4 09:43 2.5 15:59 0.5 22:12 2.3
7 Sun 11:33 23:59	03:11 2.4 09:23 0.3 15:39 2.5 21:54 0.3	15 Mon 05:51 18:15	03:51 0.6 10:11 2.3 16:23 0.6 22:34 2.1	23 Tue 12:02	04:06 2.2 10:18 0.6 16:26 2.2 22:40 0.6	31 Wed 06:39 19:08	04:20 0.4 10:38 2.5 16:56 0.5 23:08 2.3
8 Mon 12:25	04:07 2.5 10:21 0.3 16:33 2.6 22:48 0.3	16 Tue 06:40 19:05	04:40 0.6 11:00 2.2 17:15 0.7 23:24 2.1	24 Wed 00:25 12:48	04:49 2.2 11:03 0.6 17:08 2.3 23:24 0.5		

PLACE	HIGH	LOW	PLACE	HIGH	LOW
Cape Campbell	+00:50	+00:50	AKAROA HARBOUR		
Kaikoura	+00:17	+00:16	French Bay	-00:42	-00:43
Lucky Bay	+02:30	+02:30	Tikao Bay	-00:43	-00:42
Port Underwood	+01:42	+01:48	CHATHAM ISLAND		
Rakaia River Mouth	-00:46	-00:46	Kaingaroa	+00:53	+00:53
Sumner	+00:02	+00:01	Owenga	+00:22	+00:21
			Waitangi	+00:22	+00:21

MOON PHASES

 New Moon
  First Quarter
  Full Moon
  Last Quarter

BILL