

MOONRISE AND MOONSET TIMES

WAITANGI, CHATHAM ISLAND

July 2009 - December 2009

ASTRONOMICAL

	July		August		September		October		November		December	
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
1	12:28	2:02	12:48	4:15	14:31	5:07	15:31	4:24	17:39	3:49	18:56	3:13
2	12:55	3:10	13:39	5:09	15:35	5:35	16:35	4:45	18:51	4:14	20:08	3:55
3	13:27	4:17	14:36	5:55	16:39	5:59	17:40	5:05	20:05	4:43	21:13	4:48
4	14:05	5:22	15:37	6:33	17:43	6:20	18:47	5:25	21:18	5:20	22:07	5:54
5	14:51	6:20	16:41	7:05	18:47	6:40	19:57	5:47	22:26	6:06	22:51	7:09
6	15:44	7:12	17:45	7:31	19:52	7:00	21:09	6:13	23:25	7:03	23:25	8:29
7	16:43	7:56	18:48	7:54	20:59	7:20	22:21	6:44	---	8:11	23:54	9:48
8	17:45	8:32	19:52	8:15	22:08	7:43	23:32	7:22	0:14	9:26	---	11:04
9	18:49	9:01	20:55	8:34	23:20	8:09	---	8:11	0:52	10:43	0:19	12:18
10	19:53	9:26	22:01	8:53	---	8:41	0:36	9:10	1:23	11:59	0:42	13:30
11	20:56	9:48	23:08	9:14	0:31	9:22	1:30	10:20	1:50	13:14	1:05	14:42
12	21:59	10:08	---	9:37	1:40	10:13	2:15	11:35	2:14	14:27	1:29	15:52
13	23:03	10:27	0:18	10:05	2:42	11:16	2:51	12:52	2:37	15:39	1:57	17:02
14	---	10:47	1:30	10:39	3:34	12:29	3:21	14:09	3:00	16:51	2:29	18:09
15	0:09	11:08	2:42	11:24	4:17	13:48	3:47	15:25	3:26	18:03	3:07	19:12
16	1:18	11:33	3:51	12:21	4:51	15:08	4:10	16:40	3:55	19:13	3:53	20:07
17	2:31	12:04	4:51	13:31	5:20	16:27	4:34	17:54	4:30	20:20	4:46	20:54
18	3:45	12:43	5:41	14:49	5:45	17:45	4:58	19:07	5:11	21:21	5:44	21:32
19	4:59	13:34	6:21	16:12	6:09	19:01	5:26	20:20	6:00	22:14	6:46	22:04
20	6:07	14:39	6:53	17:34	6:33	20:16	5:57	21:31	6:55	22:58	7:49	22:30
21	7:05	15:56	7:21	18:54	6:58	21:30	6:34	22:36	7:55	23:33	8:52	22:53
22	7:51	17:20	7:45	20:12	7:27	22:42	7:18	23:34	8:58	---	9:54	23:13
23	8:27	18:43	8:09	21:27	8:00	23:50	8:10	---	10:01	0:03	10:55	23:33
24	8:56	20:04	8:33	22:41	8:40	---	9:07	0:22	11:03	0:28	11:58	23:52
25	9:21	21:22	8:59	23:52	9:26	0:51	10:08	1:02	12:05	0:49	13:01	---
26	9:45	22:36	9:28	---	10:20	1:45	11:10	1:35	13:08	1:10	14:07	0:13
27	10:07	23:48	10:03	1:01	11:18	2:29	12:13	2:02	14:12	1:29	15:17	0:38
28	10:31	---	10:45	2:05	12:20	3:06	13:17	2:26	15:18	1:50	16:29	1:06
29	10:58	0:59	11:33	3:03	13:23	3:36	14:20	2:47	16:28	2:13	17:42	1:43
30	11:28	2:08	12:28	3:52	14:27	4:02	15:24	3:07	17:41	2:40	18:52	2:30
31	12:05	3:14	13:28	4:33	---	---	16:30	3:28	---	---	19:52	3:30

January 2010 - June 2010

	January		February		March		April		May		June	
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
1	20:42	4:42	20:46	7:36	19:10	6:24	19:01	9:07	19:04	10:15	20:53	11:07
2	21:22	6:02	21:11	8:56	19:35	7:44	19:39	10:21	20:00	11:12	21:56	11:35
3	21:54	7:24	21:36	10:13	20:02	9:02	20:24	11:30	21:00	11:59	22:58	11:59
4	22:21	8:46	22:03	11:28	20:32	10:19	21:15	12:31	22:03	12:37	23:59	12:21
5	22:46	10:04	22:33	12:41	21:05	11:33	22:12	13:23	23:06	13:08	---	12:41
6	23:09	11:19	23:07	13:52	21:45	12:44	23:13	14:05	---	13:34	1:00	13:02
7	23:34	12:32	23:48	14:58	22:31	13:48	---	14:40	0:09	13:57	2:02	13:23
8	---	13:44	---	15:57	23:24	14:43	0:16	15:08	1:10	14:18	3:06	13:47
9	0:00	14:54	0:36	16:49	---	15:30	1:18	15:33	2:12	14:38	4:13	14:14
10	0:31	16:02	1:30	17:32	0:22	16:08	2:20	15:55	3:14	14:59	5:22	14:48
11	1:07	17:05	2:30	18:08	1:23	16:40	3:22	16:15	4:17	15:21	6:31	15:31
12	1:50	18:02	3:31	18:38	2:26	17:07	4:24	16:35	5:23	15:47	7:38	16:24
13	2:40	18:51	4:34	19:03	3:28	17:30	5:27	16:56	6:31	16:17	8:38	17:29
14	3:36	19:32	5:37	19:25	4:30	17:51	6:31	17:19	7:41	16:54	9:30	18:42
15	4:37	20:06	6:39	19:45	5:32	18:11	7:38	17:46	8:49	17:41	10:12	19:59
16	5:40	20:34	7:40	20:04	6:34	18:31	8:46	18:18	9:53	18:38	10:47	21:17
17	6:42	20:58	8:42	20:24	7:37	18:52	9:55	18:58	10:49	19:44	11:16	22:34
18	7:45	21:19	9:45	20:46	8:42	19:15	11:01	19:47	11:35	20:57	11:42	23:49
19	8:46	21:38	10:50	21:10	9:49	19:43	12:01	20:46	12:13	22:13	12:07	---
20	9:48	21:58	11:57	21:39	10:56	20:16	12:53	21:53	12:45	23:29	12:32	1:03
21	10:50	22:18	13:05	22:14	12:04	20:58	13:36	23:07	13:12	---	12:59	2:16
22	11:54	22:40	14:13	22:59	13:08	21:49	14:12	---	13:38	0:44	13:29	3:28
23	13:00	23:06	15:17	23:55	14:06	22:51	14:42	0:22	14:02	1:58	14:05	4:40
24	14:09	23:37	16:14	---	14:56	---	15:09	1:39	14:28	3:12	14:48	5:48
25	15:20	---	17:02	1:03	15:37	0:02	15:34	2:55	14:56	4:26	15:38	6:50
26	16:29	0:17	17:42	2:19	16:11	1:18	15:59	4:10	15:29	5:39	16:35	7:44
27	17:33	1:09	18:15	3:41	16:41	2:37	16:26	5:26	16:07	6:51	17:36	8:29
28	18:27	2:13	18:43	5:03	17:08	3:56	16:57	6:42	16:53	7:59	18:40	9:06
29	19:12	3:28	---	---	17:34	5:14	17:32	7:58	17:47	8:59	19:44	9:37
30	19:49	4:50	---	---	18:00	6:33	18:14	9:09	18:46	9:51	20:46	10:02
31	20:19	6:14	---	---	18:28	7:50	---	---	19:49	10:33	---	---

Times listed are 45 minutes ahead of New Zealand Standard Time (NZST) as observed on the Chatham Islands

Add 1 hour when New Zealand Daylight Time (NZDT) is in force