

Year Mo day Hour

1950/ 1/ 4 7:48 Full moon  
1950/ 1/11 10:31 Last quater  
1950/ 1/18 8:00 New moon  
1950/ 1/26 4:39 First quarter  
1950/ 2/ 2 22:16 Full moon  
1950/ 2/ 9 18:32 Last quater  
1950/ 2/16 22:53 New moon  
1950/ 2/25 1:52 First quarter  
1950/ 3/ 4 10:34 Full moon  
1950/ 3/11 2:38 Last quater  
1950/ 3/18 15:20 New moon  
1950/ 3/26 20:10 First quarter  
1950/ 4/ 2 20:49 Full moon  
1950/ 4/ 9 11:42 Last quater  
1950/ 4/17 8:25 New moon  
1950/ 4/25 10:40 First quarter  
1950/ 5/ 2 5:19 Full moon  
1950/ 5/ 8 22:32 Last quater  
1950/ 5/17 0:54 New moon  
1950/ 5/24 21:28 First quarter  
1950/ 5/31 12:43 Full moon  
1950/ 6/ 7 11:35 Last quater  
1950/ 6/15 15:53 New moon  
1950/ 6/23 5:13 First quarter  
1950/ 6/29 19:58 Full moon  
1950/ 7/ 7 2:53 Last quater  
1950/ 7/15 5:05 New moon  
1950/ 7/22 10:50 First quarter  
1950/ 7/29 4:18 Full moon  
1950/ 8/ 5 19:56 Last quater  
1950/ 8/13 16:48 New moon  
1950/ 8/20 15:35 First quarter  
1950/ 8/27 14:51 Full moon  
1950/ 9/ 4 13:53 Last quater  
1950/ 9/12 3:29 New moon  
1950/ 9/18 20:54 First quarter  
1950/ 9/26 4:21 Full moon  
1950/10/ 4 7:53 Last quater  
1950/10/11 13:34 New moon  
1950/10/18 4:18 First quarter  
1950/10/25 20:46 Full moon  
1950/11/ 3 1:00 Last quater  
1950/11/ 9 23:25 New moon  
1950/11/16 15:06 First quarter  
1950/11/24 15:14 Full moon  
1950/12/ 2 16:22 Last quater  
1950/12/ 9 9:29 New moon  
1950/12/16 5:56 First quarter  
1950/12/24 10:23 Full moon  
1951/ 1/ 1 5:11 Last quater  
1951/ 1/ 7 20:10 New moon  
1951/ 1/15 0:23 First quarter  
1951/ 1/23 4:47 Full moon  
1951/ 1/30 15:14 Last quater  
1951/ 2/ 6 7:54 New moon  
1951/ 2/13 20:55 First quarter  
1951/ 2/21 21:12 Full moon  
1951/ 2/28 22:59 Last quater  
1951/ 3/ 7 20:51 New moon  
1951/ 3/15 17:40 First quarter  
1951/ 3/23 10:50 Full moon

1951/ 3/30 5:35 Last quater  
1951/ 4/ 6 10:52 New moon  
1951/ 4/14 12:56 First quarter  
1951/ 4/21 21:30 Full moon  
1951/ 4/28 12:18 Last quater  
1951/ 5/ 6 1:36 New moon  
1951/ 5/14 5:32 First quarter  
1951/ 5/21 5:45 Full moon  
1951/ 5/27 20:17 Last quater  
1951/ 6/ 4 16:40 New moon  
1951/ 6/12 18:52 First quarter  
1951/ 6/19 12:36 Full moon  
1951/ 6/26 6:21 Last quater  
1951/ 7/ 4 7:48 New moon  
1951/ 7/12 4:56 First quarter  
1951/ 7/18 19:17 Full moon  
1951/ 7/25 18:59 Last quater  
1951/ 8/ 2 22:39 New moon  
1951/ 8/10 12:22 First quarter  
1951/ 8/17 2:59 Full moon  
1951/ 8/24 10:20 Last quater  
1951/ 9/ 1 12:50 New moon  
1951/ 9/ 8 18:16 First quarter  
1951/ 9/15 12:38 Full moon  
1951/ 9/23 4:13 Last quater  
1951/10/ 1 1:57 New moon  
1951/10/ 8 0:00 First quarter  
1951/10/15 0:51 Full moon  
1951/10/22 23:55 Last quater  
1951/10/30 13:55 New moon  
1951/11/ 6 6:59 First quarter  
1951/11/13 15:52 Full moon  
1951/11/21 20:01 Last quater  
1951/11/29 1:00 New moon  
1951/12/ 5 16:20 First quarter  
1951/12/13 9:30 Full moon  
1951/12/21 14:37 Last quater  
1951/12/28 11:43 New moon  
1952/ 1/ 4 4:42 First quarter  
1952/ 1/12 4:55 Full moon  
1952/ 1/20 6:09 Last quater  
1952/ 1/26 22:26 New moon  
1952/ 2/ 2 20:01 First quarter  
1952/ 2/11 0:28 Full moon  
1952/ 2/18 18:01 Last quater  
1952/ 2/25 9:16 New moon  
1952/ 3/ 3 13:43 First quarter  
1952/ 3/11 18:14 Full moon  
1952/ 3/19 2:40 Last quater  
1952/ 3/25 20:13 New moon  
1952/ 4/ 2 8:48 First quarter  
1952/ 4/10 8:53 Full moon  
1952/ 4/17 9:07 Last quater  
1952/ 4/24 7:27 New moon  
1952/ 5/ 2 3:58 First quarter  
1952/ 5/ 9 20:16 Full moon  
1952/ 5/16 14:39 Last quater  
1952/ 5/23 19:28 New moon  
1952/ 5/31 21:46 First quarter  
1952/ 6/ 8 5:07 Full moon  
1952/ 6/14 20:28 Last quater  
1952/ 6/22 8:45 New moon  
1952/ 6/30 13:11 First quarter

1952/ 7/ 7 12:33 Full moon  
1952/ 7/14 3:42 Last quater  
1952/ 7/21 23:31 New moon  
1952/ 7/30 1:51 First quarter  
1952/ 8/ 5 19:40 Full moon  
1952/ 8/12 13:27 Last quater  
1952/ 8/20 15:20 New moon  
1952/ 8/28 12:03 First quarter  
1952/ 9/ 4 3:19 Full moon  
1952/ 9/11 2:36 Last quater  
1952/ 9/19 7:22 New moon  
1952/ 9/26 20:31 First quarter  
1952/10/ 3 12:15 Full moon  
1952/10/10 19:33 Last quater  
1952/10/18 22:42 New moon  
1952/10/26 4:04 First quarter  
1952/11/ 1 23:10 Full moon  
1952/11/ 9 15:43 Last quater  
1952/11/17 12:56 New moon  
1952/11/24 11:34 First quarter  
1952/12/ 1 12:41 Full moon  
1952/12/ 9 13:22 Last quater  
1952/12/17 2:02 New moon  
1952/12/23 19:52 First quarter  
1952/12/31 5:06 Full moon  
1953/ 1/ 8 10:09 Last quater  
1953/ 1/15 14:08 New moon  
1953/ 1/22 5:43 First quarter  
1953/ 1/29 23:44 Full moon  
1953/ 2/ 7 4:09 Last quater  
1953/ 2/14 1:10 New moon  
1953/ 2/20 17:44 First quarter  
1953/ 2/28 18:59 Full moon  
1953/ 3/ 8 18:26 Last quater  
1953/ 3/15 11:05 New moon  
1953/ 3/22 8:11 First quarter  
1953/ 3/30 12:55 Full moon  
1953/ 4/ 7 4:58 Last quater  
1953/ 4/13 20:09 New moon  
1953/ 4/21 0:41 First quarter  
1953/ 4/29 4:20 Full moon  
1953/ 5/ 6 12:21 Last quater  
1953/ 5/13 5:06 New moon  
1953/ 5/20 18:20 First quarter  
1953/ 5/28 17:03 Full moon  
1953/ 6/ 4 17:35 Last quater  
1953/ 6/11 14:55 New moon  
1953/ 6/19 12:01 First quarter  
1953/ 6/27 3:29 Full moon  
1953/ 7/ 3 22:03 Last quater  
1953/ 7/11 2:28 New moon  
1953/ 7/19 4:47 First quarter  
1953/ 7/26 12:21 Full moon  
1953/ 8/ 2 3:16 Last quater  
1953/ 8/ 9 16:10 New moon  
1953/ 8/17 20:08 First quarter  
1953/ 8/24 20:21 Full moon  
1953/ 8/31 10:46 Last quater  
1953/ 9/ 8 7:48 New moon  
1953/ 9/16 9:49 First quarter  
1953/ 9/23 4:16 Full moon  
1953/ 9/29 21:51 Last quater  
1953/10/ 8 0:41 New moon

1953/10/15	21:44	First quarter
1953/10/22	12:56	Full moon
1953/10/29	13:09	Last quater
1953/11/ 6	17:58	New moon
1953/11/14	7:52	First quarter
1953/11/20	23:12	Full moon
1953/11/28	8:16	Last quater
1953/12/ 6	10:48	New moon
1953/12/13	16:30	First quarter
1953/12/20	11:43	Full moon
1953/12/28	5:43	Last quater
1954/ 1/ 5	2:21	New moon
1954/ 1/12	0:22	First quarter
1954/ 1/19	2:37	Full moon
1954/ 1/27	3:28	Last quater
1954/ 2/ 3	15:55	New moon
1954/ 2/10	8:29	First quarter
1954/ 2/17	19:17	Full moon
1954/ 2/25	23:29	Last quater
1954/ 3/ 5	3:11	New moon
1954/ 3/11	17:52	First quarter
1954/ 3/19	12:42	Full moon
1954/ 3/27	16:14	Last quater
1954/ 4/ 3	12:25	New moon
1954/ 4/10	5:05	First quarter
1954/ 4/18	5:48	Full moon
1954/ 4/26	4:57	Last quater
1954/ 5/ 2	20:22	New moon
1954/ 5/ 9	18:17	First quarter
1954/ 5/17	21:47	Full moon
1954/ 5/25	13:49	Last quater
1954/ 6/ 1	4:03	New moon
1954/ 6/ 8	9:14	First quarter
1954/ 6/16	12:06	Full moon
1954/ 6/23	19:46	Last quater
1954/ 6/30	12:26	New moon
1954/ 7/ 8	1:33	First quarter
1954/ 7/16	0:29	Full moon
1954/ 7/23	0:14	Last quater
1954/ 7/29	22:20	New moon
1954/ 8/ 6	18:51	First quarter
1954/ 8/14	11:03	Full moon
1954/ 8/21	4:51	Last quater
1954/ 8/28	10:21	New moon
1954/ 9/ 5	12:28	First quarter
1954/ 9/12	20:19	Full moon
1954/ 9/19	11:11	Last quater
1954/ 9/27	0:50	New moon
1954/10/ 5	5:31	First quarter
1954/10/12	5:10	Full moon
1954/10/18	20:30	Last quater
1954/10/26	17:47	New moon
1954/11/ 3	20:55	First quarter
1954/11/10	14:29	Full moon
1954/11/17	9:33	Last quater
1954/11/25	12:30	New moon
1954/12/ 3	9:56	First quarter
1954/12/10	0:57	Full moon
1954/12/17	2:21	Last quater
1954/12/25	7:33	New moon
1955/ 1/ 1	20:29	First quarter
1955/ 1/ 8	12:44	Full moon
1955/ 1/15	22:14	Last quater

1955/	1/24	1:07	New moon
1955/	1/31	5:06	First quarter
1955/	2/ 7	1:43	Full moon
1955/	2/14	19:40	Last quater
1955/	2/22	15:54	New moon
1955/	3/ 1	12:40	First quarter
1955/	3/ 8	15:41	Full moon
1955/	3/16	16:36	Last quater
1955/	3/24	3:42	New moon
1955/	3/30	20:10	First quarter
1955/	4/ 7	6:35	Full moon
1955/	4/15	11:01	Last quater
1955/	4/22	13:06	New moon
1955/	4/29	4:23	First quarter
1955/	5/ 6	22:14	Full moon
1955/	5/15	1:42	Last quater
1955/	5/21	20:59	New moon
1955/	5/28	14:01	First quarter
1955/	6/ 5	14:08	Full moon
1955/	6/13	12:37	Last quater
1955/	6/20	4:12	New moon
1955/	6/27	1:44	First quarter
1955/	7/ 5	5:29	Full moon
1955/	7/12	20:31	Last quater
1955/	7/19	11:35	New moon
1955/	7/26	16:00	First quarter
1955/	8/ 3	19:30	Full moon
1955/	8/11	2:33	Last quater
1955/	8/17	19:58	New moon
1955/	8/25	8:52	First quarter
1955/	9/ 2	7:59	Full moon
1955/	9/ 9	7:59	Last quater
1955/	9/16	6:19	New moon
1955/	9/24	3:41	First quarter
1955/10/	1	19:17	Full moon
1955/10/	8	14:04	Last quater
1955/10/15		19:32	New moon
1955/10/23		23:05	First quarter
1955/10/31		6:04	Full moon
1955/11/ 6		21:56	Last quater
1955/11/14		12:01	New moon
1955/11/22		17:29	First quarter
1955/11/29		16:50	Full moon
1955/12/ 6		8:35	Last quater
1955/12/14		7:07	New moon
1955/12/22		9:39	First quarter
1955/12/29		3:44	Full moon
1956/ 1/ 4		22:41	Last quater
1956/ 1/13		3:01	New moon
1956/ 1/20		22:58	First quarter
1956/ 1/27		14:40	Full moon
1956/ 2/ 3		16:08	Last quater
1956/ 2/11		21:38	New moon
1956/ 2/19		9:21	First quarter
1956/ 2/26		1:42	Full moon
1956/ 3/ 4		11:53	Last quater
1956/ 3/12		13:37	New moon
1956/ 3/19		17:14	First quarter
1956/ 3/26		13:11	Full moon
1956/ 4/ 3		8:06	Last quater
1956/ 4/11		2:39	New moon
1956/ 4/17		23:28	First quarter
1956/ 4/25		1:41	Full moon

1956/ 5/ 3 2:55 Last quater  
1956/ 5/10 13:04 New moon  
1956/ 5/17 5:15 First quarter  
1956/ 5/24 15:26 Full moon  
1956/ 6/ 1 19:13 Last quater  
1956/ 6/ 8 21:29 New moon  
1956/ 6/15 11:56 First quarter  
1956/ 6/23 6:14 Full moon  
1956/ 7/ 1 8:41 Last quater  
1956/ 7/ 8 4:38 New moon  
1956/ 7/14 20:47 First quarter  
1956/ 7/22 21:29 Full moon  
1956/ 7/30 19:31 Last quater  
1956/ 8/ 6 11:25 New moon  
1956/ 8/13 8:45 First quarter  
1956/ 8/21 12:38 Full moon  
1956/ 8/29 4:13 Last quater  
1956/ 9/ 4 18:57 New moon  
1956/ 9/12 0:13 First quarter  
1956/ 9/20 3:19 Full moon  
1956/ 9/27 11:25 Last quater  
1956/10/ 4 4:25 New moon  
1956/10/11 18:44 First quarter  
1956/10/19 17:25 Full moon  
1956/10/26 18:02 Last quater  
1956/11/ 2 16:44 New moon  
1956/11/10 15:09 First quarter  
1956/11/18 6:45 Full moon  
1956/11/25 1:13 Last quater  
1956/12/ 2 8:13 New moon  
1956/12/10 11:51 First quarter  
1956/12/17 19:06 Full moon  
1956/12/24 10:10 Last quater  
1957/ 1/ 1 2:14 New moon  
1957/ 1/ 9 7:06 First quarter  
1957/ 1/16 6:21 Full moon  
1957/ 1/22 21:48 Last quater  
1957/ 1/30 21:25 New moon  
1957/ 2/ 7 23:23 First quarter  
1957/ 2/14 16:38 Full moon  
1957/ 2/21 12:19 Last quater  
1957/ 3/ 1 16:12 New moon  
1957/ 3/ 9 11:50 First quarter  
1957/ 3/16 2:22 Full moon  
1957/ 3/23 5:04 Last quater  
1957/ 3/31 9:19 New moon  
1957/ 4/ 7 20:33 First quarter  
1957/ 4/14 12:09 Full moon  
1957/ 4/21 23:01 Last quater  
1957/ 4/29 23:54 New moon  
1957/ 5/ 7 2:29 First quarter  
1957/ 5/13 22:34 Full moon  
1957/ 5/21 17:03 Last quater  
1957/ 5/29 11:39 New moon  
1957/ 6/ 5 7:10 First quarter  
1957/ 6/12 10:02 Full moon  
1957/ 6/20 10:22 Last quater  
1957/ 6/27 20:53 New moon  
1957/ 7/ 4 12:09 First quarter  
1957/ 7/11 22:50 Full moon  
1957/ 7/20 2:17 Last quater  
1957/ 7/27 4:28 New moon  
1957/ 8/ 2 18:55 First quarter

1957/ 8/10	13:08	Full moon
1957/ 8/18	16:16	Last quater
1957/ 8/25	11:33	New moon
1957/ 9/ 1	4:35	First quarter
1957/ 9/ 9	4:55	Full moon
1957/ 9/17	4:02	Last quater
1957/ 9/23	19:18	New moon
1957/ 9/30	17:49	First quarter
1957/10/ 8	21:42	Full moon
1957/10/16	13:44	Last quater
1957/10/23	4:43	New moon
1957/10/30	10:48	First quarter
1957/11/ 7	14:32	Full moon
1957/11/14	21:59	Last quater
1957/11/21	16:19	New moon
1957/11/29	6:58	First quarter
1957/12/ 7	6:16	Full moon
1957/12/14	5:45	Last quater
1957/12/21	6:12	New moon
1957/12/29	4:52	First quarter
1958/ 1/ 5	20:09	Full moon
1958/ 1/12	14:01	Last quater
1958/ 1/19	22:08	New moon
1958/ 1/28	2:16	First quarter
1958/ 2/ 4	8:05	Full moon
1958/ 2/10	23:34	Last quater
1958/ 2/18	15:38	New moon
1958/ 2/26	20:52	First quarter
1958/ 3/ 5	18:28	Full moon
1958/ 3/12	10:48	Last quater
1958/ 3/20	9:50	New moon
1958/ 3/28	11:19	First quarter
1958/ 4/ 4	3:45	Full moon
1958/ 4/10	23:50	Last quater
1958/ 4/19	3:23	New moon
1958/ 4/26	21:36	First quarter
1958/ 5/ 3	12:23	Full moon
1958/ 5/10	14:38	Last quater
1958/ 5/18	19:00	New moon
1958/ 5/26	4:38	First quarter
1958/ 6/ 1	20:55	Full moon
1958/ 6/ 9	6:59	Last quater
1958/ 6/17	7:59	New moon
1958/ 6/24	9:45	First quarter
1958/ 7/ 1	6:04	Full moon
1958/ 7/ 9	0:21	Last quater
1958/ 7/16	18:33	New moon
1958/ 7/23	14:20	First quarter
1958/ 7/30	16:47	Full moon
1958/ 8/ 7	17:50	Last quater
1958/ 8/15	3:33	New moon
1958/ 8/21	19:45	First quarter
1958/ 8/29	5:53	Full moon
1958/ 9/ 6	10:24	Last quater
1958/ 9/13	12:02	New moon
1958/ 9/20	3:18	First quarter
1958/ 9/27	21:44	Full moon
1958/10/ 6	1:20	Last quater
1958/10/12	20:52	New moon
1958/10/19	14:07	First quarter
1958/10/27	15:41	Full moon
1958/11/ 4	14:19	Last quater
1958/11/11	6:34	New moon

1958/11/18	4:59	First quarter
1958/11/26	10:17	Full moon
1958/12/ 4	1:24	Last quater
1958/12/10	17:23	New moon
1958/12/17	23:52	First quarter
1958/12/26	3:54	Full moon
1959/ 1/ 2	10:51	Last quater
1959/ 1/ 9	5:34	New moon
1959/ 1/16	21:27	First quarter
1959/ 1/24	19:33	Full moon
1959/ 1/31	19:06	Last quater
1959/ 2/ 7	19:22	New moon
1959/ 2/15	19:20	First quarter
1959/ 2/23	8:54	Full moon
1959/ 3/ 2	2:54	Last quater
1959/ 3/ 9	10:51	New moon
1959/ 3/17	15:10	First quarter
1959/ 3/24	20:02	Full moon
1959/ 3/31	11:06	Last quater
1959/ 4/ 8	3:29	New moon
1959/ 4/16	7:33	First quarter
1959/ 4/23	5:13	Full moon
1959/ 4/29	20:38	Last quater
1959/ 5/ 7	20:11	New moon
1959/ 5/15	20:10	First quarter
1959/ 5/22	12:56	Full moon
1959/ 5/29	8:14	Last quater
1959/ 6/ 6	11:53	New moon
1959/ 6/14	5:23	First quarter
1959/ 6/20	20:00	Full moon
1959/ 6/27	22:12	Last quater
1959/ 7/ 6	2:00	New moon
1959/ 7/13	12:01	First quarter
1959/ 7/20	3:33	Full moon
1959/ 7/27	14:22	Last quater
1959/ 8/ 4	14:34	New moon
1959/ 8/11	17:10	First quarter
1959/ 8/18	12:51	Full moon
1959/ 8/26	8:03	Last quater
1959/ 9/ 3	1:56	New moon
1959/ 9/ 9	22:07	First quarter
1959/ 9/17	0:52	Full moon
1959/ 9/25	2:22	Last quater
1959/10/ 2	12:31	New moon
1959/10/ 9	4:22	First quarter
1959/10/16	15:59	Full moon
1959/10/24	20:22	Last quater
1959/10/31	22:41	New moon
1959/11/ 7	13:24	First quarter
1959/11/15	9:42	Full moon
1959/11/23	13:03	Last quater
1959/11/30	8:46	New moon
1959/12/ 7	2:12	First quarter
1959/12/15	4:49	Full moon
1959/12/23	3:28	Last quater
1959/12/29	19:09	New moon
1960/ 1/ 5	18:53	First quarter
1960/ 1/13	23:51	Full moon
1960/ 1/21	15:01	Last quater
1960/ 1/28	6:15	New moon
1960/ 2/ 4	14:26	First quarter
1960/ 2/12	17:24	Full moon
1960/ 2/19	23:47	Last quater



1960/ 2/26	18:23	New moon
1960/ 3/ 5	11:06	First quarter
1960/ 3/13	8:26	Full moon
1960/ 3/20	6:40	Last quater
1960/ 3/27	7:37	New moon
1960/ 4/ 4	7:05	First quarter
1960/ 4/11	20:27	Full moon
1960/ 4/18	12:57	Last quater
1960/ 4/25	21:44	New moon
1960/ 5/ 4	1:00	First quarter
1960/ 5/11	5:42	Full moon
1960/ 5/17	19:54	Last quater
1960/ 5/25	12:26	New moon
1960/ 6/ 2	16:01	First quarter
1960/ 6/ 9	13:02	Full moon
1960/ 6/16	4:35	Last quater
1960/ 6/24	3:27	New moon
1960/ 7/ 2	3:48	First quarter
1960/ 7/ 8	19:37	Full moon
1960/ 7/15	15:43	Last quater
1960/ 7/23	18:31	New moon
1960/ 7/31	12:38	First quarter
1960/ 8/ 7	2:41	Full moon
1960/ 8/14	5:37	Last quater
1960/ 8/22	9:15	New moon
1960/ 8/29	19:22	First quarter
1960/ 9/ 5	11:19	Full moon
1960/ 9/12	22:19	Last quater
1960/ 9/20	23:12	New moon
1960/ 9/28	1:13	First quarter
1960/10/ 4	22:16	Full moon
1960/10/12	17:25	Last quater
1960/10/20	12:02	New moon
1960/10/27	7:34	First quarter
1960/11/ 3	11:58	Full moon
1960/11/11	13:47	Last quater
1960/11/18	23:46	New moon
1960/11/25	15:42	First quarter
1960/12/ 3	4:24	Full moon
1960/12/11	9:38	Last quater
1960/12/18	10:47	New moon
1960/12/25	2:30	First quarter
1961/ 1/ 1	23:06	Full moon
1961/ 1/10	3:02	Last quater
1961/ 1/16	21:30	New moon
1961/ 1/23	16:13	First quarter
1961/ 1/31	18:47	Full moon
1961/ 2/ 8	16:49	Last quater
1961/ 2/15	8:10	New moon
1961/ 2/22	8:34	First quarter
1961/ 3/ 2	13:35	Full moon
1961/ 3/10	2:57	Last quater
1961/ 3/16	18:51	New moon
1961/ 3/24	2:48	First quarter
1961/ 4/ 1	5:47	Full moon
1961/ 4/ 8	10:16	Last quater
1961/ 4/15	5:37	New moon
1961/ 4/22	21:49	First quarter
1961/ 4/30	18:40	Full moon
1961/ 5/ 7	15:57	Last quater
1961/ 5/14	16:54	New moon
1961/ 5/22	16:18	First quarter
1961/ 5/30	4:37	Full moon

1961/ 6/ 5 21:19 Last quater  
1961/ 6/13 5:16 New moon  
1961/ 6/21 9:01 First quarter  
1961/ 6/28 12:37 Full moon  
1961/ 7/ 5 3:32 Last quater  
1961/ 7/12 19:11 New moon  
1961/ 7/20 23:13 First quarter  
1961/ 7/27 19:50 Full moon  
1961/ 8/ 3 11:47 Last quater  
1961/ 8/11 10:36 New moon  
1961/ 8/19 10:51 First quarter  
1961/ 8/26 3:13 Full moon  
1961/ 9/ 1 23:05 Last quater  
1961/ 9/10 2:50 New moon  
1961/ 9/17 20:23 First quarter  
1961/ 9/24 11:33 Full moon  
1961/10/ 1 14:10 Last quater  
1961/10/ 9 18:52 New moon  
1961/10/17 4:34 First quarter  
1961/10/23 21:30 Full moon  
1961/10/31 8:58 Last quater  
1961/11/ 8 9:58 New moon  
1961/11/15 12:12 First quarter  
1961/11/22 9:44 Full moon  
1961/11/30 6:18 Last quater  
1961/12/ 7 23:52 New moon  
1961/12/14 20:05 First quarter  
1961/12/22 0:42 Full moon  
1961/12/30 3:57 Last quater  
1962/ 1/ 6 12:35 New moon  
1962/ 1/13 5:01 First quarter  
1962/ 1/20 18:16 Full moon  
1962/ 1/28 23:36 Last quater  
1962/ 2/ 5 0:10 New moon  
1962/ 2/11 15:43 First quarter  
1962/ 2/19 13:18 Full moon  
1962/ 2/27 15:50 Last quater  
1962/ 3/ 6 10:31 New moon  
1962/ 3/13 4:39 First quarter  
1962/ 3/21 7:55 Full moon  
1962/ 3/29 4:11 Last quater  
1962/ 4/ 4 19:45 New moon  
1962/ 4/11 19:50 First quarter  
1962/ 4/20 0:33 Full moon  
1962/ 4/27 12:59 Last quater  
1962/ 5/ 4 4:25 New moon  
1962/ 5/11 12:44 First quarter  
1962/ 5/19 14:32 Full moon  
1962/ 5/26 19:05 Last quater  
1962/ 6/ 2 13:27 New moon  
1962/ 6/10 6:21 First quarter  
1962/ 6/18 2:02 Full moon  
1962/ 6/24 23:42 Last quater  
1962/ 7/ 1 23:52 New moon  
1962/ 7/ 9 23:39 First quarter  
1962/ 7/17 11:41 Full moon  
1962/ 7/24 4:18 Last quater  
1962/ 7/31 12:24 New moon  
1962/ 8/ 8 15:55 First quarter  
1962/ 8/15 20:09 Full moon  
1962/ 8/22 10:26 Last quater  
1962/ 8/30 3:09 New moon  
1962/ 9/ 7 6:44 First quarter

1962/ 9/14	4:11	Full moon
1962/ 9/20	19:36	Last quater
1962/ 9/28	19:39	New moon
1962/10/ 6	19:54	First quarter
1962/10/13	12:33	Full moon
1962/10/20	8:47	Last quater
1962/10/28	13:05	New moon
1962/11/ 5	7:15	First quarter
1962/11/11	22:03	Full moon
1962/11/19	2:09	Last quater
1962/11/27	6:29	New moon
1962/12/ 4	16:48	First quarter
1962/12/11	9:27	Full moon
1962/12/18	22:42	Last quater
1962/12/26	22:59	New moon
1963/ 1/ 3	1:02	First quarter
1963/ 1/ 9	23:08	Full moon
1963/ 1/17	20:34	Last quater
1963/ 1/25	13:42	New moon
1963/ 2/ 1	8:50	First quarter
1963/ 2/ 8	14:52	Full moon
1963/ 2/16	17:38	Last quater
1963/ 2/24	2:06	New moon
1963/ 3/ 2	17:17	First quarter
1963/ 3/10	7:49	Full moon
1963/ 3/18	12:08	Last quater
1963/ 3/25	12:10	New moon
1963/ 4/ 1	3:15	First quarter
1963/ 4/ 9	0:57	Full moon
1963/ 4/17	2:52	Last quater
1963/ 4/23	20:29	New moon
1963/ 4/30	15:08	First quarter
1963/ 5/ 8	17:23	Full moon
1963/ 5/16	13:36	Last quater
1963/ 5/23	4:00	New moon
1963/ 5/30	4:55	First quarter
1963/ 6/ 7	8:31	Full moon
1963/ 6/14	20:53	Last quater
1963/ 6/21	11:46	New moon
1963/ 6/28	20:24	First quarter
1963/ 7/ 6	21:55	Full moon
1963/ 7/14	1:57	Last quater
1963/ 7/20	20:43	New moon
1963/ 7/28	13:13	First quarter
1963/ 8/ 5	9:31	Full moon
1963/ 8/12	6:21	Last quater
1963/ 8/19	7:34	New moon
1963/ 8/27	6:54	First quarter
1963/ 9/ 3	19:34	Full moon
1963/ 9/10	11:42	Last quater
1963/ 9/17	20:51	New moon
1963/ 9/26	0:38	First quarter
1963/10/ 3	4:44	Full moon
1963/10/ 9	19:27	Last quater
1963/10/17	12:43	New moon
1963/10/25	17:20	First quarter
1963/11/ 1	13:55	Full moon
1963/11/ 8	6:37	Last quater
1963/11/16	6:50	New moon
1963/11/24	7:56	First quarter
1963/11/30	23:54	Full moon
1963/12/ 7	21:34	Last quater
1963/12/16	2:06	New moon

1963/12/23 19:54 First quarter  
1963/12/30 11:04 Full moon  
1964/ 1/ 6 15:58 Last quater  
1964/ 1/14 20:43 New moon  
1964/ 1/22 5:29 First quarter  
1964/ 1/28 23:23 Full moon  
1964/ 2/ 5 12:42 Last quater  
1964/ 2/13 13:01 New moon  
1964/ 2/20 13:24 First quarter  
1964/ 2/27 12:39 Full moon  
1964/ 3/ 6 10:00 Last quater  
1964/ 3/14 2:14 New moon  
1964/ 3/20 20:39 First quarter  
1964/ 3/28 2:48 Full moon  
1964/ 4/ 5 5:45 Last quater  
1964/ 4/12 12:37 New moon  
1964/ 4/19 4:09 First quarter  
1964/ 4/26 17:50 Full moon  
1964/ 5/ 4 22:20 Last quater  
1964/ 5/11 21:02 New moon  
1964/ 5/18 12:42 First quarter  
1964/ 5/26 9:29 Full moon  
1964/ 6/ 3 11:07 Last quater  
1964/ 6/10 4:22 New moon  
1964/ 6/16 23:02 First quarter  
1964/ 6/25 1:08 Full moon  
1964/ 7/ 2 20:31 Last quater  
1964/ 7/ 9 11:31 New moon  
1964/ 7/16 11:47 First quarter  
1964/ 7/24 15:58 Full moon  
1964/ 8/ 1 3:29 Last quater  
1964/ 8/ 7 19:17 New moon  
1964/ 8/15 3:19 First quarter  
1964/ 8/23 5:25 Full moon  
1964/ 8/30 9:15 Last quater  
1964/ 9/ 6 4:34 New moon  
1964/ 9/13 21:24 First quarter  
1964/ 9/21 17:31 Full moon  
1964/ 9/28 15:01 Last quater  
1964/10/ 5 16:20 New moon  
1964/10/13 16:56 First quarter  
1964/10/21 4:45 Full moon  
1964/10/27 21:59 Last quater  
1964/11/ 4 7:16 New moon  
1964/11/12 12:20 First quarter  
1964/11/19 15:43 Full moon  
1964/11/26 7:10 Last quater  
1964/12/ 4 1:18 New moon  
1964/12/12 6:01 First quarter  
1964/12/19 2:41 Full moon  
1964/12/25 19:28 Last quater  
1965/ 1/ 2 21:07 New moon  
1965/ 1/10 21:00 First quarter  
1965/ 1/17 13:37 Full moon  
1965/ 1/24 11:07 Last quater  
1965/ 2/ 1 16:36 New moon  
1965/ 2/ 9 8:53 First quarter  
1965/ 2/16 0:27 Full moon  
1965/ 2/23 5:39 Last quater  
1965/ 3/ 3 9:56 New moon  
1965/ 3/10 17:52 First quarter  
1965/ 3/17 11:24 Full moon  
1965/ 3/25 1:37 Last quater

1965/ 4/ 2	0:21	New moon
1965/ 4/ 9	0:40	First quarter
1965/ 4/15	23:02	Full moon
1965/ 4/23	21:07	Last quater
1965/ 5/ 1	11:56	New moon
1965/ 5/ 8	6:20	First quarter
1965/ 5/15	11:52	Full moon
1965/ 5/23	14:40	Last quater
1965/ 5/30	21:13	New moon
1965/ 6/ 6	12:11	First quarter
1965/ 6/14	1:59	Full moon
1965/ 6/22	5:36	Last quater
1965/ 6/29	4:52	New moon
1965/ 7/ 5	19:36	First quarter
1965/ 7/13	17:01	Full moon
1965/ 7/21	17:53	Last quater
1965/ 7/28	11:45	New moon
1965/ 8/ 4	5:47	First quarter
1965/ 8/12	8:22	Full moon
1965/ 8/20	3:50	Last quater
1965/ 8/26	18:50	New moon
1965/ 9/ 2	19:27	First quarter
1965/ 9/10	23:32	Full moon
1965/ 9/18	11:58	Last quater
1965/ 9/25	3:18	New moon
1965/10/ 2	12:37	First quarter
1965/10/10	14:14	Full moon
1965/10/17	19:00	Last quater
1965/10/24	14:11	New moon
1965/11/ 1	8:26	First quarter
1965/11/ 9	4:15	Full moon
1965/11/16	1:54	Last quater
1965/11/23	4:10	New moon
1965/12/ 1	5:24	First quarter
1965/12/ 8	17:21	Full moon
1965/12/15	9:52	Last quater
1965/12/22	21:03	New moon
1965/12/31	1:46	First quarter
1966/ 1/ 7	5:16	Full moon
1966/ 1/13	20:00	Last quater
1966/ 1/21	15:46	New moon
1966/ 1/29	19:48	First quarter
1966/ 2/ 5	15:58	Full moon
1966/ 2/12	8:53	Last quater
1966/ 2/20	10:49	New moon
1966/ 2/28	10:15	First quarter
1966/ 3/ 7	1:45	Full moon
1966/ 3/14	0:19	Last quater
1966/ 3/22	4:46	New moon
1966/ 3/29	20:43	First quarter
1966/ 4/ 5	11:13	Full moon
1966/ 4/12	17:28	Last quater
1966/ 4/20	20:35	New moon
1966/ 4/28	3:49	First quarter
1966/ 5/ 4	21:00	Full moon
1966/ 5/12	11:19	Last quater
1966/ 5/20	9:42	New moon
1966/ 5/27	8:50	First quarter
1966/ 6/ 3	7:40	Full moon
1966/ 6/11	4:58	Last quater
1966/ 6/18	20:09	New moon
1966/ 6/25	13:22	First quarter
1966/ 7/ 2	19:36	Full moon

1966/ 7/10	21:43	Last quater
1966/ 7/18	4:30	New moon
1966/ 7/24	19:00	First quarter
1966/ 8/ 1	9:05	Full moon
1966/ 8/ 9	12:56	Last quater
1966/ 8/16	11:48	New moon
1966/ 8/23	3:02	First quarter
1966/ 8/31	0:14	Full moon
1966/ 9/ 8	2:07	Last quater
1966/ 9/14	19:13	New moon
1966/ 9/21	14:25	First quarter
1966/ 9/29	16:47	Full moon
1966/10/ 7	13:08	Last quater
1966/10/14	3:52	New moon
1966/10/21	5:34	First quarter
1966/10/29	10:00	Full moon
1966/11/ 5	22:18	Last quater
1966/11/12	14:26	New moon
1966/11/20	0:20	First quarter
1966/11/28	2:40	Full moon
1966/12/ 5	6:22	Last quater
1966/12/12	3:13	New moon
1966/12/19	21:41	First quarter
1966/12/27	17:43	Full moon
1967/ 1/ 3	14:19	Last quater
1967/ 1/10	18:06	New moon
1967/ 1/18	19:41	First quarter
1967/ 1/26	6:40	Full moon
1967/ 2/ 1	23:03	Last quater
1967/ 2/ 9	10:44	New moon
1967/ 2/17	15:56	First quarter
1967/ 2/24	17:43	Full moon
1967/ 3/ 3	9:10	Last quater
1967/ 3/11	4:30	New moon
1967/ 3/19	8:31	First quarter
1967/ 3/26	3:21	Full moon
1967/ 4/ 1	20:58	Last quater
1967/ 4/ 9	22:20	New moon
1967/ 4/17	20:48	First quarter
1967/ 4/24	12:03	Full moon
1967/ 5/ 1	10:32	Last quater
1967/ 5/ 9	14:55	New moon
1967/ 5/17	5:18	First quarter
1967/ 5/23	20:22	Full moon
1967/ 5/31	1:52	Last quater
1967/ 6/ 8	5:13	New moon
1967/ 6/15	11:12	First quarter
1967/ 6/22	4:57	Full moon
1967/ 6/29	18:39	Last quater
1967/ 7/ 7	17:00	New moon
1967/ 7/14	15:53	First quarter
1967/ 7/21	14:39	Full moon
1967/ 7/29	12:14	Last quater
1967/ 8/ 6	2:48	New moon
1967/ 8/12	20:44	First quarter
1967/ 8/20	2:27	Full moon
1967/ 8/28	5:35	Last quater
1967/ 9/ 4	11:37	New moon
1967/ 9/11	3:06	First quarter
1967/ 9/18	16:59	Full moon
1967/ 9/26	21:44	Last quater
1967/10/ 3	20:24	New moon
1967/10/10	12:11	First quarter

1967/10/18	10:11	Full moon
1967/10/26	12:04	Last quater
1967/11/ 2	5:48	New moon
1967/11/ 9	1:00	First quarter
1967/11/17	4:53	Full moon
1967/11/25	0:23	Last quater
1967/12/ 1	16:10	New moon
1967/12/ 8	17:57	First quarter
1967/12/16	23:21	Full moon
1967/12/24	10:48	Last quater
1967/12/31	3:38	New moon
1968/ 1/ 7	14:23	First quarter
1968/ 1/15	16:11	Full moon
1968/ 1/22	19:38	Last quater
1968/ 1/29	16:29	New moon
1968/ 2/ 6	12:20	First quarter
1968/ 2/14	6:43	Full moon
1968/ 2/21	3:28	Last quater
1968/ 2/28	6:56	New moon
1968/ 3/ 7	9:20	First quarter
1968/ 3/14	18:52	Full moon
1968/ 3/21	11:07	Last quater
1968/ 3/28	22:48	New moon
1968/ 4/ 6	3:27	First quarter
1968/ 4/13	4:52	Full moon
1968/ 4/19	19:35	Last quater
1968/ 4/27	15:21	New moon
1968/ 5/ 5	17:54	First quarter
1968/ 5/12	13:05	Full moon
1968/ 5/19	5:44	Last quater
1968/ 5/27	7:30	New moon
1968/ 6/ 4	4:47	First quarter
1968/ 6/10	20:13	Full moon
1968/ 6/17	18:14	Last quater
1968/ 6/25	22:24	New moon
1968/ 7/ 3	12:42	First quarter
1968/ 7/10	3:18	Full moon
1968/ 7/17	9:11	Last quater
1968/ 7/25	11:49	New moon
1968/ 8/ 1	18:34	First quarter
1968/ 8/ 8	11:32	Full moon
1968/ 8/16	2:13	Last quater
1968/ 8/23	23:57	New moon
1968/ 8/30	23:34	First quarter
1968/ 9/ 6	22:07	Full moon
1968/ 9/14	20:31	Last quater
1968/ 9/22	11:08	New moon
1968/ 9/29	5:07	First quarter
1968/10/ 6	11:46	Full moon
1968/10/14	15:05	Last quater
1968/10/21	21:44	New moon
1968/10/28	12:40	First quarter
1968/11/ 5	4:25	Full moon
1968/11/13	8:53	Last quater
1968/11/20	8:02	New moon
1968/11/26	23:30	First quarter
1968/12/ 4	23:07	Full moon
1968/12/13	0:49	Last quater
1968/12/19	18:19	New moon
1968/12/26	14:14	First quarter
1969/ 1/ 3	18:28	Full moon
1969/ 1/11	14:00	Last quater
1969/ 1/18	4:59	New moon

1969/ 1/25	8:23	First quarter
1969/ 2/ 2	12:56	Full moon
1969/ 2/10	0:08	Last quater
1969/ 2/16	16:25	New moon
1969/ 2/24	4:30	First quarter
1969/ 3/ 4	5:17	Full moon
1969/ 3/11	7:44	Last quater
1969/ 3/18	4:51	New moon
1969/ 3/26	0:48	First quarter
1969/ 4/ 2	18:45	Full moon
1969/ 4/ 9	13:58	Last quater
1969/ 4/16	18:16	New moon
1969/ 4/24	19:45	First quarter
1969/ 5/ 2	5:13	Full moon
1969/ 5/ 8	20:12	Last quater
1969/ 5/16	8:26	New moon
1969/ 5/24	12:15	First quarter
1969/ 5/31	13:18	Full moon
1969/ 6/ 7	3:39	Last quater
1969/ 6/14	23:09	New moon
1969/ 6/23	1:44	First quarter
1969/ 6/29	20:04	Full moon
1969/ 7/ 6	13:17	Last quater
1969/ 7/14	14:11	New moon
1969/ 7/22	12:09	First quarter
1969/ 7/29	2:45	Full moon
1969/ 8/ 5	1:38	Last quater
1969/ 8/13	5:16	New moon
1969/ 8/20	20:03	First quarter
1969/ 8/27	10:32	Full moon
1969/ 9/ 3	16:58	Last quater
1969/ 9/11	19:56	New moon
1969/ 9/19	2:24	First quarter
1969/ 9/25	20:21	Full moon
1969/10/ 3	11:05	Last quater
1969/10/11	9:39	New moon
1969/10/18	8:32	First quarter
1969/10/25	8:44	Full moon
1969/11/ 2	7:14	Last quater
1969/11/ 9	22:11	New moon
1969/11/16	15:45	First quarter
1969/11/23	23:54	Full moon
1969/12/ 2	3:50	Last quater
1969/12/ 9	9:42	New moon
1969/12/16	1:09	First quarter
1969/12/23	17:35	Full moon
1969/12/31	22:52	Last quater
1970/ 1/ 7	20:35	New moon
1970/ 1/14	13:18	First quarter
1970/ 1/22	12:55	Full moon
1970/ 1/30	14:39	Last quater
1970/ 2/ 6	7:13	New moon
1970/ 2/13	4:10	First quarter
1970/ 2/21	8:19	Full moon
1970/ 3/ 1	2:33	Last quater
1970/ 3/ 7	17:42	New moon
1970/ 3/14	21:16	First quarter
1970/ 3/23	1:52	Full moon
1970/ 3/30	11:05	Last quater
1970/ 4/ 6	4:09	New moon
1970/ 4/13	15:44	First quarter
1970/ 4/21	16:21	Full moon
1970/ 4/28	17:18	Last quater



1970/ 5/ 5 14:51 New moon  
1970/ 5/13 10:26 First quarter  
1970/ 5/21 3:38 Full moon  
1970/ 5/27 22:32 Last quater  
1970/ 6/ 4 2:21 New moon  
1970/ 6/12 4:06 First quarter  
1970/ 6/19 12:27 Full moon  
1970/ 6/26 4:01 Last quater  
1970/ 7/ 3 15:18 New moon  
1970/ 7/11 19:43 First quarter  
1970/ 7/18 19:58 Full moon  
1970/ 7/25 11:00 Last quater  
1970/ 8/ 2 5:58 New moon  
1970/ 8/10 8:50 First quarter  
1970/ 8/17 3:15 Full moon  
1970/ 8/23 20:34 Last quater  
1970/ 8/31 22:01 New moon  
1970/ 9/ 8 19:38 First quarter  
1970/ 9/15 11:09 Full moon  
1970/ 9/22 9:42 Last quater  
1970/ 9/30 14:31 New moon  
1970/10/ 8 4:43 First quarter  
1970/10/14 20:21 Full moon  
1970/10/22 2:47 Last quater  
1970/10/30 6:28 New moon  
1970/11/ 6 12:47 First quarter  
1970/11/13 7:28 Full moon  
1970/11/20 23:13 Last quater  
1970/11/28 21:14 New moon  
1970/12/ 5 20:36 First quarter  
1970/12/12 21:03 Full moon  
1970/12/20 21:09 Last quater  
1970/12/28 10:43 New moon  
1971/ 1/ 4 4:55 First quarter  
1971/ 1/11 13:20 Full moon  
1971/ 1/19 18:08 Last quater  
1971/ 1/26 22:55 New moon  
1971/ 2/ 2 14:31 First quarter  
1971/ 2/10 7:41 Full moon  
1971/ 2/18 12:14 Last quater  
1971/ 2/25 9:49 New moon  
1971/ 3/ 4 2:01 First quarter  
1971/ 3/12 2:34 Full moon  
1971/ 3/20 2:31 Last quater  
1971/ 3/26 19:23 New moon  
1971/ 4/ 2 15:46 First quarter  
1971/ 4/10 20:10 Full moon  
1971/ 4/18 12:58 Last quater  
1971/ 4/25 4:02 New moon  
1971/ 5/ 2 7:34 First quarter  
1971/ 5/10 11:24 Full moon  
1971/ 5/17 20:15 Last quater  
1971/ 5/24 12:32 New moon  
1971/ 6/ 1 0:42 First quarter  
1971/ 6/ 9 0:04 Full moon  
1971/ 6/16 1:24 Last quater  
1971/ 6/22 21:57 New moon  
1971/ 6/30 18:11 First quarter  
1971/ 7/ 8 10:37 Full moon  
1971/ 7/15 5:47 Last quater  
1971/ 7/22 9:15 New moon  
1971/ 7/30 11:07 First quarter  
1971/ 8/ 6 19:42 Full moon

1971/ 8/13	10:55	Last quater
1971/ 8/20	22:53	New moon
1971/ 8/29	2:56	First quarter
1971/ 9/ 5	4:02	Full moon
1971/ 9/11	18:23	Last quater
1971/ 9/19	14:42	New moon
1971/ 9/27	17:17	First quarter
1971/10/ 4	12:19	Full moon
1971/10/11	5:29	Last quater
1971/10/19	7:59	New moon
1971/10/27	5:54	First quarter
1971/11/ 2	21:19	Full moon
1971/11/ 9	20:51	Last quater
1971/11/18	1:46	New moon
1971/11/25	16:37	First quarter
1971/12/ 2	7:48	Full moon
1971/12/ 9	16:02	Last quater
1971/12/17	19:03	New moon
1971/12/25	1:35	First quarter
1971/12/31	20:20	Full moon
1972/ 1/ 8	13:31	Last quater
1972/ 1/16	10:52	New moon
1972/ 1/23	9:29	First quarter
1972/ 1/30	10:58	Full moon
1972/ 2/ 7	11:12	Last quater
1972/ 2/15	0:29	New moon
1972/ 2/21	17:20	First quarter
1972/ 2/29	3:12	Full moon
1972/ 3/ 8	7:05	Last quater
1972/ 3/15	11:35	New moon
1972/ 3/22	2:12	First quarter
1972/ 3/29	20:05	Full moon
1972/ 4/ 6	23:44	Last quater
1972/ 4/13	20:31	New moon
1972/ 4/20	12:45	First quarter
1972/ 4/28	12:44	Full moon
1972/ 5/ 6	12:26	Last quater
1972/ 5/13	4:08	New moon
1972/ 5/20	1:16	First quarter
1972/ 5/28	4:28	Full moon
1972/ 6/ 4	21:22	Last quater
1972/ 6/11	11:30	New moon
1972/ 6/18	15:41	First quarter
1972/ 6/26	18:46	Full moon
1972/ 7/ 4	3:25	Last quater
1972/ 7/10	19:39	New moon
1972/ 7/18	7:46	First quarter
1972/ 7/26	7:24	Full moon
1972/ 8/ 2	8:02	Last quater
1972/ 8/ 9	5:26	New moon
1972/ 8/17	1:09	First quarter
1972/ 8/24	18:22	Full moon
1972/ 8/31	12:48	Last quater
1972/ 9/ 7	17:28	New moon
1972/ 9/15	19:13	First quarter
1972/ 9/23	4:07	Full moon
1972/ 9/29	19:16	Last quater
1972/10/ 7	8:08	New moon
1972/10/15	12:55	First quarter
1972/10/22	13:25	Full moon
1972/10/29	4:41	Last quater
1972/11/ 6	1:21	New moon
1972/11/14	5:01	First quarter

1972/11/20 23:07 Full moon  
1972/11/27 17:45 Last quater  
1972/12/ 5 20:24 New moon  
1972/12/13 18:36 First quarter  
1972/12/20 9:45 Full moon  
1972/12/27 10:27 Last quater  
1973/ 1/ 4 15:42 New moon  
1973/ 1/12 5:27 First quarter  
1973/ 1/18 21:28 Full moon  
1973/ 1/26 6:05 Last quater  
1973/ 2/ 3 9:23 New moon  
1973/ 2/10 14:05 First quarter  
1973/ 2/17 10:07 Full moon  
1973/ 2/25 3:10 Last quater  
1973/ 3/ 5 0:07 New moon  
1973/ 3/11 21:26 First quarter  
1973/ 3/18 23:33 Full moon  
1973/ 3/26 23:46 Last quater  
1973/ 4/ 3 11:45 New moon  
1973/ 4/10 4:28 First quarter  
1973/ 4/17 13:51 Full moon  
1973/ 4/25 17:59 Last quater  
1973/ 5/ 2 20:55 New moon  
1973/ 5/ 9 12:07 First quarter  
1973/ 5/17 4:58 Full moon  
1973/ 5/25 8:40 Last quater  
1973/ 6/ 1 4:34 New moon  
1973/ 6/ 7 21:11 First quarter  
1973/ 6/15 20:35 Full moon  
1973/ 6/23 19:45 Last quater  
1973/ 6/30 11:39 New moon  
1973/ 7/ 7 8:26 First quarter  
1973/ 7/15 11:56 Full moon  
1973/ 7/23 3:58 Last quater  
1973/ 7/29 18:59 New moon  
1973/ 8/ 5 22:27 First quarter  
1973/ 8/14 2:16 Full moon  
1973/ 8/21 10:22 Last quater  
1973/ 8/28 3:25 New moon  
1973/ 9/ 4 15:22 First quarter  
1973/ 9/12 15:16 Full moon  
1973/ 9/19 16:11 Last quater  
1973/ 9/26 13:54 New moon  
1973/10/ 4 10:32 First quarter  
1973/10/12 3:09 Full moon  
1973/10/18 22:33 Last quater  
1973/10/26 3:17 New moon  
1973/11/ 3 6:29 First quarter  
1973/11/10 14:27 Full moon  
1973/11/17 6:34 Last quater  
1973/11/24 19:55 New moon  
1973/12/ 3 1:29 First quarter  
1973/12/10 1:35 Full moon  
1973/12/16 17:13 Last quater  
1973/12/24 15:07 New moon  
1974/ 1/ 1 18:06 First quarter  
1974/ 1/ 8 12:36 Full moon  
1974/ 1/15 7:04 Last quater  
1974/ 1/23 11:02 New moon  
1974/ 1/31 7:39 First quarter  
1974/ 2/ 6 23:24 Full moon  
1974/ 2/14 0:04 Last quater  
1974/ 2/22 5:34 New moon

1974/ 3/ 1	18:03	First quarter
1974/ 3/ 8	10:03	Full moon
1974/ 3/15	19:15	Last quater
1974/ 3/23	21:24	New moon
1974/ 3/31	1:44	First quarter
1974/ 4/ 6	21:00	Full moon
1974/ 4/14	14:57	Last quater
1974/ 4/22	10:16	New moon
1974/ 4/29	7:39	First quarter
1974/ 5/ 6	8:55	Full moon
1974/ 5/14	9:29	Last quater
1974/ 5/21	20:34	New moon
1974/ 5/28	13:03	First quarter
1974/ 6/ 4	22:10	Full moon
1974/ 6/13	1:45	Last quater
1974/ 6/20	4:56	New moon
1974/ 6/26	19:20	First quarter
1974/ 7/ 4	12:40	Full moon
1974/ 7/12	15:28	Last quater
1974/ 7/19	12:07	New moon
1974/ 7/26	3:51	First quarter
1974/ 8/ 3	3:57	Full moon
1974/ 8/11	2:46	Last quater
1974/ 8/17	19:02	New moon
1974/ 8/24	15:38	First quarter
1974/ 9/ 1	19:25	Full moon
1974/ 9/ 9	12:01	Last quater
1974/ 9/16	2:45	New moon
1974/ 9/23	7:08	First quarter
1974/10/ 1	10:38	Full moon
1974/10/ 8	19:46	Last quater
1974/10/15	12:25	New moon
1974/10/23	1:53	First quarter
1974/10/31	1:19	Full moon
1974/11/ 7	2:47	Last quater
1974/11/14	0:53	New moon
1974/11/21	22:39	First quarter
1974/11/29	15:10	Full moon
1974/12/ 6	10:10	Last quater
1974/12/13	16:25	New moon
1974/12/21	19:43	First quarter
1974/12/29	3:51	Full moon
1975/ 1/ 4	19:04	Last quater
1975/ 1/12	10:20	New moon
1975/ 1/20	15:14	First quarter
1975/ 1/27	15:09	Full moon
1975/ 2/ 3	6:23	Last quater
1975/ 2/11	5:17	New moon
1975/ 2/19	7:38	First quarter
1975/ 2/26	1:14	Full moon
1975/ 3/ 4	20:20	Last quater
1975/ 3/12	23:47	New moon
1975/ 3/20	20:05	First quarter
1975/ 3/27	10:36	Full moon
1975/ 4/ 3	12:25	Last quater
1975/ 4/11	16:39	New moon
1975/ 4/19	4:41	First quarter
1975/ 4/25	19:55	Full moon
1975/ 5/ 3	5:44	Last quater
1975/ 5/11	7:05	New moon
1975/ 5/18	10:29	First quarter
1975/ 5/25	5:51	Full moon
1975/ 6/ 1	23:22	Last quater

1975/ 6/ 9 18:49 New moon  
1975/ 6/16 14:58 First quarter  
1975/ 6/23 16:54 Full moon  
1975/ 7/ 1 16:37 Last quater  
1975/ 7/ 9 4:10 New moon  
1975/ 7/15 19:47 First quarter  
1975/ 7/23 5:28 Full moon  
1975/ 7/31 8:48 Last quater  
1975/ 8/ 7 11:57 New moon  
1975/ 8/14 2:24 First quarter  
1975/ 8/21 19:48 Full moon  
1975/ 8/29 23:20 Last quater  
1975/ 9/ 5 19:19 New moon  
1975/ 9/12 12:00 First quarter  
1975/ 9/20 11:50 Full moon  
1975/ 9/28 11:46 Last quater  
1975/10/ 5 3:23 New moon  
1975/10/12 1:15 First quarter  
1975/10/20 5:06 Full moon  
1975/10/27 22:07 Last quater  
1975/11/ 3 13:05 New moon  
1975/11/10 18:21 First quarter  
1975/11/18 22:28 Full moon  
1975/11/26 6:52 Last quater  
1975/12/ 3 0:50 New moon  
1975/12/10 14:39 First quarter  
1975/12/18 14:39 Full moon  
1975/12/25 14:52 Last quater  
1976/ 1/ 1 14:40 New moon  
1976/ 1/ 9 12:40 First quarter  
1976/ 1/17 4:47 Full moon  
1976/ 1/23 23:04 Last quater  
1976/ 1/31 6:20 New moon  
1976/ 2/ 8 10:05 First quarter  
1976/ 2/15 16:43 Full moon  
1976/ 2/22 8:16 Last quater  
1976/ 2/29 23:25 New moon  
1976/ 3/ 9 4:38 First quarter  
1976/ 3/16 2:53 Full moon  
1976/ 3/22 18:54 Last quater  
1976/ 3/30 17:08 New moon  
1976/ 4/ 7 19:02 First quarter  
1976/ 4/14 11:49 Full moon  
1976/ 4/21 7:14 Last quater  
1976/ 4/29 10:19 New moon  
1976/ 5/ 7 5:17 First quarter  
1976/ 5/13 20:04 Full moon  
1976/ 5/20 21:22 Last quater  
1976/ 5/29 1:47 New moon  
1976/ 6/ 5 12:20 First quarter  
1976/ 6/12 4:15 Full moon  
1976/ 6/19 13:15 Last quater  
1976/ 6/27 14:50 New moon  
1976/ 7/ 4 17:28 First quarter  
1976/ 7/11 13:09 Full moon  
1976/ 7/19 6:29 Last quater  
1976/ 7/27 1:39 New moon  
1976/ 8/ 2 22:06 First quarter  
1976/ 8/ 9 23:43 Full moon  
1976/ 8/18 0:13 Last quater  
1976/ 8/25 11:01 New moon  
1976/ 9/ 1 3:35 First quarter  
1976/ 9/ 8 12:52 Full moon

1976/ 9/16	17:20	Last quater
1976/ 9/23	19:55	New moon
1976/ 9/30	11:12	First quarter
1976/10/ 8	4:55	Full moon
1976/10/16	8:59	Last quater
1976/10/23	5:10	New moon
1976/10/29	22:06	First quarter
1976/11/ 6	23:15	Full moon
1976/11/14	22:39	Last quater
1976/11/21	15:11	New moon
1976/11/28	12:59	First quarter
1976/12/ 6	18:15	Full moon
1976/12/14	10:14	Last quater
1976/12/21	2:08	New moon
1976/12/28	7:48	First quarter
1977/ 1/ 5	12:10	Full moon
1977/ 1/12	19:55	Last quater
1977/ 1/19	14:11	New moon
1977/ 1/27	5:11	First quarter
1977/ 2/ 4	3:56	Full moon
1977/ 2/11	4:07	Last quater
1977/ 2/18	3:37	New moon
1977/ 2/26	2:50	First quarter
1977/ 3/ 5	17:13	Full moon
1977/ 3/12	11:35	Last quater
1977/ 3/19	18:33	New moon
1977/ 3/27	22:27	First quarter
1977/ 4/ 4	4:09	Full moon
1977/ 4/10	19:15	Last quater
1977/ 4/18	10:35	New moon
1977/ 4/26	14:42	First quarter
1977/ 5/ 3	13:03	Full moon
1977/ 5/10	4:08	Last quater
1977/ 5/18	2:51	New moon
1977/ 5/26	3:20	First quarter
1977/ 6/ 1	20:31	Full moon
1977/ 6/ 8	15:07	Last quater
1977/ 6/16	18:23	New moon
1977/ 6/24	12:44	First quarter
1977/ 7/ 1	3:24	Full moon
1977/ 7/ 8	4:39	Last quater
1977/ 7/16	8:36	New moon
1977/ 7/23	19:38	First quarter
1977/ 7/30	10:52	Full moon
1977/ 8/ 6	20:40	Last quater
1977/ 8/14	21:31	New moon
1977/ 8/22	1:04	First quarter
1977/ 8/28	20:10	Full moon
1977/ 9/ 5	14:33	Last quater
1977/ 9/13	9:23	New moon
1977/ 9/20	6:18	First quarter
1977/ 9/27	8:17	Full moon
1977/10/ 5	9:21	Last quater
1977/10/12	20:31	New moon
1977/10/19	12:46	First quarter
1977/10/26	23:35	Full moon
1977/11/ 4	3:58	Last quater
1977/11/11	7:09	New moon
1977/11/17	21:52	First quarter
1977/11/25	17:31	Full moon
1977/12/ 3	21:16	Last quater
1977/12/10	17:33	New moon
1977/12/17	10:37	First quarter

1977/12/25	12:49	Full moon
1978/ 1/ 2	12:07	Last quater
1978/ 1/ 9	4:00	New moon
1978/ 1/16	3:03	First quarter
1978/ 1/24	7:56	Full moon
1978/ 1/31	23:51	Last quater
1978/ 2/ 7	14:54	New moon
1978/ 2/14	22:11	First quarter
1978/ 2/23	1:26	Full moon
1978/ 3/ 2	8:34	Last quater
1978/ 3/ 9	2:36	New moon
1978/ 3/16	18:21	First quarter
1978/ 3/24	16:20	Full moon
1978/ 3/31	15:11	Last quater
1978/ 4/ 7	15:15	New moon
1978/ 4/15	13:56	First quarter
1978/ 4/23	4:11	Full moon
1978/ 4/29	21:02	Last quater
1978/ 5/ 7	4:47	New moon
1978/ 5/15	7:39	First quarter
1978/ 5/22	13:17	Full moon
1978/ 5/29	3:30	Last quater
1978/ 6/ 5	19:01	New moon
1978/ 6/13	22:44	First quarter
1978/ 6/20	20:31	Full moon
1978/ 6/27	11:44	Last quater
1978/ 7/ 5	9:50	New moon
1978/ 7/13	10:49	First quarter
1978/ 7/20	3:05	Full moon
1978/ 7/26	22:31	Last quater
1978/ 8/ 4	1:01	New moon
1978/ 8/11	20:06	First quarter
1978/ 8/18	10:14	Full moon
1978/ 8/25	12:18	Last quater
1978/ 9/ 2	16:09	New moon
1978/ 9/10	3:20	First quarter
1978/ 9/16	19:01	Full moon
1978/ 9/24	5:08	Last quater
1978/10/ 2	6:41	New moon
1978/10/ 9	9:38	First quarter
1978/10/16	6:10	Full moon
1978/10/24	0:34	Last quater
1978/10/31	20:07	New moon
1978/11/ 7	16:18	First quarter
1978/11/14	20:00	Full moon
1978/11/22	21:24	Last quater
1978/11/30	8:19	New moon
1978/12/ 7	0:34	First quarter
1978/12/14	12:31	Full moon
1978/12/22	17:42	Last quater
1978/12/29	19:36	New moon
1979/ 1/ 5	11:15	First quarter
1979/ 1/13	7:09	Full moon
1979/ 1/21	11:23	Last quater
1979/ 1/28	6:20	New moon
1979/ 2/ 4	0:36	First quarter
1979/ 2/12	2:39	Full moon
1979/ 2/20	1:17	Last quater
1979/ 2/26	16:45	New moon
1979/ 3/ 5	16:23	First quarter
1979/ 3/13	21:14	Full moon
1979/ 3/21	11:22	Last quater
1979/ 3/28	2:59	New moon

1979/ 4/ 4 9:57 First quarter  
1979/ 4/12 13:15 Full moon  
1979/ 4/19 18:30 Last quater  
1979/ 4/26 13:15 New moon  
1979/ 5/ 4 4:25 First quarter  
1979/ 5/12 2:01 Full moon  
1979/ 5/18 23:57 Last quater  
1979/ 5/26 0:00 New moon  
1979/ 6/ 2 22:37 First quarter  
1979/ 6/10 11:55 Full moon  
1979/ 6/17 5:01 Last quater  
1979/ 6/24 11:58 New moon  
1979/ 7/ 2 15:24 First quarter  
1979/ 7/ 9 19:59 Full moon  
1979/ 7/16 10:59 Last quater  
1979/ 7/24 1:41 New moon  
1979/ 8/ 1 5:57 First quarter  
1979/ 8/ 8 3:21 Full moon  
1979/ 8/14 19:02 Last quater  
1979/ 8/22 17:10 New moon  
1979/ 8/30 18:09 First quarter  
1979/ 9/ 6 10:59 Full moon  
1979/ 9/13 6:15 Last quater  
1979/ 9/21 9:47 New moon  
1979/ 9/29 4:20 First quarter  
1979/10/ 5 19:35 Full moon  
1979/10/12 21:24 Last quater  
1979/10/21 2:23 New moon  
1979/10/28 13:06 First quarter  
1979/11/ 4 5:47 Full moon  
1979/11/11 16:24 Last quater  
1979/11/19 18:04 New moon  
1979/11/26 21:09 First quarter  
1979/12/ 3 18:08 Full moon  
1979/12/11 13:59 Last quater  
1979/12/19 8:23 New moon  
1979/12/26 5:11 First quarter  
1980/ 1/ 2 9:02 Full moon  
1980/ 1/10 11:50 Last quater  
1980/ 1/17 21:19 New moon  
1980/ 1/24 13:58 First quarter  
1980/ 2/ 1 2:21 Full moon  
1980/ 2/ 9 7:35 Last quater  
1980/ 2/16 8:51 New moon  
1980/ 2/23 0:14 First quarter  
1980/ 3/ 1 21:00 Full moon  
1980/ 3/ 9 23:49 Last quater  
1980/ 3/16 18:56 New moon  
1980/ 3/23 12:31 First quarter  
1980/ 3/31 15:14 Full moon  
1980/ 4/ 8 12:06 Last quater  
1980/ 4/15 3:46 New moon  
1980/ 4/22 2:59 First quarter  
1980/ 4/30 7:35 Full moon  
1980/ 5/ 7 20:51 Last quater  
1980/ 5/14 12:00 New moon  
1980/ 5/21 19:16 First quarter  
1980/ 5/29 21:28 Full moon  
1980/ 6/ 6 2:53 Last quater  
1980/ 6/12 20:38 New moon  
1980/ 6/20 12:32 First quarter  
1980/ 6/28 9:02 Full moon  
1980/ 7/ 5 7:27 Last quater



1980/ 7/12	6:46	New moon
1980/ 7/20	5:51	First quarter
1980/ 7/27	18:54	Full moon
1980/ 8/ 3	12:00	Last quater
1980/ 8/10	19:09	New moon
1980/ 8/18	22:28	First quarter
1980/ 8/26	3:42	Full moon
1980/ 9/ 1	18:08	Last quater
1980/ 9/ 9	10:00	New moon
1980/ 9/17	13:54	First quarter
1980/ 9/24	12:08	Full moon
1980/10/ 1	3:18	Last quater
1980/10/ 9	2:50	New moon
1980/10/17	3:47	First quarter
1980/10/23	20:52	Full moon
1980/10/30	16:33	Last quater
1980/11/ 7	20:43	New moon
1980/11/15	15:47	First quarter
1980/11/22	6:39	Full moon
1980/11/29	9:59	Last quater
1980/12/ 7	14:35	New moon
1980/12/15	1:47	First quarter
1980/12/21	18:08	Full moon
1980/12/29	6:32	Last quater
1981/ 1/ 6	7:24	New moon
1981/ 1/13	10:10	First quarter
1981/ 1/20	7:39	Full moon
1981/ 1/28	4:19	Last quater
1981/ 2/ 4	22:14	New moon
1981/ 2/11	17:49	First quarter
1981/ 2/18	22:58	Full moon
1981/ 2/27	1:14	Last quater
1981/ 3/ 6	10:31	New moon
1981/ 3/13	1:51	First quarter
1981/ 3/20	15:22	Full moon
1981/ 3/28	19:34	Last quater
1981/ 4/ 4	20:19	New moon
1981/ 4/11	11:11	First quarter
1981/ 4/19	7:59	Full moon
1981/ 4/27	10:14	Last quater
1981/ 5/ 4	4:19	New moon
1981/ 5/10	22:22	First quarter
1981/ 5/19	0:04	Full moon
1981/ 5/26	21:00	Last quater
1981/ 6/ 2	11:32	New moon
1981/ 6/ 9	11:33	First quarter
1981/ 6/17	15:04	Full moon
1981/ 6/25	4:25	Last quater
1981/ 7/ 1	19:03	New moon
1981/ 7/ 9	2:39	First quarter
1981/ 7/17	4:39	Full moon
1981/ 7/24	9:40	Last quater
1981/ 7/31	3:52	New moon
1981/ 8/ 7	19:26	First quarter
1981/ 8/15	16:37	Full moon
1981/ 8/22	14:16	Last quater
1981/ 8/29	14:43	New moon
1981/ 9/ 6	13:26	First quarter
1981/ 9/14	3:09	Full moon
1981/ 9/20	19:47	Last quater
1981/ 9/28	4:07	New moon
1981/10/ 6	7:45	First quarter
1981/10/13	12:49	Full moon

1981/10/20	3:40	Last quater
1981/10/27	20:13	New moon
1981/11/ 5	1:09	First quarter
1981/11/11	22:26	Full moon
1981/11/18	14:54	Last quater
1981/11/26	14:38	New moon
1981/12/ 4	16:22	First quarter
1981/12/11	8:41	Full moon
1981/12/18	5:47	Last quater
1981/12/26	10:10	New moon
1982/ 1/ 3	4:46	First quarter
1982/ 1/ 9	19:53	Full moon
1982/ 1/16	23:58	Last quater
1982/ 1/25	4:56	New moon
1982/ 2/ 1	14:28	First quarter
1982/ 2/ 8	7:57	Full moon
1982/ 2/15	20:21	Last quater
1982/ 2/23	21:13	New moon
1982/ 3/ 2	22:15	First quarter
1982/ 3/ 9	20:45	Full moon
1982/ 3/17	17:15	Last quater
1982/ 3/25	10:17	New moon
1982/ 4/ 1	5:08	First quarter
1982/ 4/ 8	10:18	Full moon
1982/ 4/16	12:42	Last quater
1982/ 4/23	20:29	New moon
1982/ 4/30	12:07	First quarter
1982/ 5/ 8	0:45	Full moon
1982/ 5/16	5:11	Last quater
1982/ 5/23	4:40	New moon
1982/ 5/29	20:07	First quarter
1982/ 6/ 6	15:59	Full moon
1982/ 6/14	18:06	Last quater
1982/ 6/21	11:52	New moon
1982/ 6/28	5:56	First quarter
1982/ 7/ 6	7:32	Full moon
1982/ 7/14	3:47	Last quater
1982/ 7/20	18:57	New moon
1982/ 7/27	18:22	First quarter
1982/ 8/ 4	22:34	Full moon
1982/ 8/12	11:08	Last quater
1982/ 8/19	2:45	New moon
1982/ 8/26	9:49	First quarter
1982/ 9/ 3	12:28	Full moon
1982/ 9/10	17:19	Last quater
1982/ 9/17	12:09	New moon
1982/ 9/25	4:07	First quarter
1982/10/ 3	1:09	Full moon
1982/10/ 9	23:26	Last quater
1982/10/17	0:04	New moon
1982/10/25	0:08	First quarter
1982/11/ 1	12:57	Full moon
1982/11/ 8	6:38	Last quater
1982/11/15	15:10	New moon
1982/11/23	20:06	First quarter
1982/12/ 1	0:21	Full moon
1982/12/ 7	15:53	Last quater
1982/12/15	9:18	New moon
1982/12/23	14:17	First quarter
1982/12/30	11:33	Full moon
1983/ 1/ 6	4:00	Last quater
1983/ 1/14	5:08	New moon
1983/ 1/22	5:33	First quarter

1983/	1/28	22:26	Full moon
1983/	2/ 4	19:17	Last quater
1983/	2/13	0:32	New moon
1983/	2/20	17:32	First quarter
1983/	2/27	8:58	Full moon
1983/	3/ 6	13:16	Last quater
1983/	3/14	17:43	New moon
1983/	3/22	2:25	First quarter
1983/	3/28	19:27	Full moon
1983/	4/ 5	8:38	Last quater
1983/	4/13	7:58	New moon
1983/	4/20	8:58	First quarter
1983/	4/27	6:31	Full moon
1983/	5/ 5	3:43	Last quater
1983/	5/12	19:25	New moon
1983/	5/19	14:17	First quarter
1983/	5/26	18:48	Full moon
1983/	6/ 3	21:07	Last quater
1983/	6/11	4:38	New moon
1983/	6/17	19:46	First quarter
1983/	6/25	8:32	Full moon
1983/	7/ 3	12:12	Last quater
1983/	7/10	12:18	New moon
1983/	7/17	2:50	First quarter
1983/	7/24	23:27	Full moon
1983/	8/ 2	0:52	Last quater
1983/	8/ 8	19:18	New moon
1983/	8/15	12:47	First quarter
1983/	8/23	14:59	Full moon
1983/	8/31	11:22	Last quater
1983/	9/ 7	2:35	New moon
1983/	9/14	2:24	First quarter
1983/	9/22	6:36	Full moon
1983/	9/29	20:05	Last quater
1983/10/	6	11:16	New moon
1983/10/13		19:42	First quarter
1983/10/21		21:53	Full moon
1983/10/29		3:37	Last quater
1983/11/ 4		22:21	New moon
1983/11/12		15:49	First quarter
1983/11/20		12:29	Full moon
1983/11/27		10:50	Last quater
1983/12/ 4		12:26	New moon
1983/12/12		13:09	First quarter
1983/12/20		2:00	Full moon
1983/12/26		18:52	Last quater
1984/ 1/ 3		5:16	New moon
1984/ 1/11		9:48	First quarter
1984/ 1/18		14:05	Full moon
1984/ 1/25		4:48	Last quater
1984/ 2/ 1		23:46	New moon
1984/ 2/10		4:00	First quarter
1984/ 2/17		0:41	Full moon
1984/ 2/23		17:12	Last quater
1984/ 3/ 2		18:31	New moon
1984/ 3/10		18:28	First quarter
1984/ 3/17		10:10	Full moon
1984/ 3/24		7:58	Last quater
1984/ 4/ 1		12:10	New moon
1984/ 4/ 9		4:51	First quarter
1984/ 4/15		19:11	Full moon
1984/ 4/23		0:26	Last quater
1984/ 5/ 1		3:45	New moon

1984/ 5/ 8 11:50 First quarter  
1984/ 5/15 4:29 Full moon  
1984/ 5/22 17:45 Last quater  
1984/ 5/30 16:48 New moon  
1984/ 6/ 6 16:42 First quarter  
1984/ 6/13 14:42 Full moon  
1984/ 6/21 11:10 Last quater  
1984/ 6/29 3:18 New moon  
1984/ 7/ 5 21:04 First quarter  
1984/ 7/13 2:20 Full moon  
1984/ 7/21 4:01 Last quater  
1984/ 7/28 11:51 New moon  
1984/ 8/ 4 2:33 First quarter  
1984/ 8/11 15:43 Full moon  
1984/ 8/19 19:41 Last quater  
1984/ 8/26 19:26 New moon  
1984/ 9/ 2 10:30 First quarter  
1984/ 9/10 7:01 Full moon  
1984/ 9/18 9:31 Last quater  
1984/ 9/25 3:11 New moon  
1984/10/ 1 21:52 First quarter  
1984/10/ 9 23:58 Full moon  
1984/10/17 21:14 Last quater  
1984/10/24 12:08 New moon  
1984/10/31 13:07 First quarter  
1984/11/ 8 17:43 Full moon  
1984/11/16 6:59 Last quater  
1984/11/22 22:57 New moon  
1984/11/30 8:01 First quarter  
1984/12/ 8 10:53 Full moon  
1984/12/15 15:25 Last quater  
1984/12/22 11:47 New moon  
1984/12/30 5:27 First quarter  
1985/ 1/ 7 2:16 Full moon  
1985/ 1/13 23:27 Last quater  
1985/ 1/21 2:28 New moon  
1985/ 1/29 3:29 First quarter  
1985/ 2/ 5 15:19 Full moon  
1985/ 2/12 7:57 Last quater  
1985/ 2/19 18:43 New moon  
1985/ 2/27 23:41 First quarter  
1985/ 3/ 7 2:13 Full moon  
1985/ 3/13 17:34 Last quater  
1985/ 3/21 11:59 New moon  
1985/ 3/29 16:11 First quarter  
1985/ 4/ 5 11:32 Full moon  
1985/ 4/12 4:41 Last quater  
1985/ 4/20 5:22 New moon  
1985/ 4/28 4:25 First quarter  
1985/ 5/ 4 19:53 Full moon  
1985/ 5/11 17:34 Last quater  
1985/ 5/19 21:41 New moon  
1985/ 5/27 12:56 First quarter  
1985/ 6/ 3 3:50 Full moon  
1985/ 6/10 8:19 Last quater  
1985/ 6/18 11:58 New moon  
1985/ 6/25 18:53 First quarter  
1985/ 7/ 2 12:08 Full moon  
1985/ 7/10 0:49 Last quater  
1985/ 7/17 23:56 New moon  
1985/ 7/24 23:39 First quarter  
1985/ 7/31 21:41 Full moon  
1985/ 8/ 8 18:29 Last quater

1985/ 8/16	10:06	New moon
1985/ 8/23	4:36	First quarter
1985/ 8/30	9:27	Full moon
1985/ 9/ 7	12:16	Last quater
1985/ 9/14	19:20	New moon
1985/ 9/21	11:03	First quarter
1985/ 9/29	0:08	Full moon
1985/10/ 7	5:04	Last quater
1985/10/14	4:33	New moon
1985/10/20	20:13	First quarter
1985/10/28	17:38	Full moon
1985/11/ 5	20:07	Last quater
1985/11/12	14:20	New moon
1985/11/19	9:04	First quarter
1985/11/27	12:42	Full moon
1985/12/ 5	9:01	Last quater
1985/12/12	0:54	New moon
1985/12/19	1:58	First quarter
1985/12/27	7:30	Full moon
1986/ 1/ 3	19:47	Last quater
1986/ 1/10	12:22	New moon
1986/ 1/17	22:13	First quarter
1986/ 1/26	0:31	Full moon
1986/ 2/ 2	4:41	Last quater
1986/ 2/ 9	0:55	New moon
1986/ 2/16	19:55	First quarter
1986/ 2/24	15:02	Full moon
1986/ 3/ 3	12:17	Last quater
1986/ 3/10	14:52	New moon
1986/ 3/18	16:39	First quarter
1986/ 3/26	3:02	Full moon
1986/ 4/ 1	19:30	Last quater
1986/ 4/ 9	6:08	New moon
1986/ 4/17	10:35	First quarter
1986/ 4/24	12:46	Full moon
1986/ 5/ 1	3:22	Last quater
1986/ 5/ 8	22:10	New moon
1986/ 5/17	1:00	First quarter
1986/ 5/23	20:45	Full moon
1986/ 5/30	12:55	Last quater
1986/ 6/ 7	14:00	New moon
1986/ 6/15	12:00	First quarter
1986/ 6/22	3:42	Full moon
1986/ 6/29	0:53	Last quater
1986/ 7/ 7	4:55	New moon
1986/ 7/14	20:10	First quarter
1986/ 7/21	10:40	Full moon
1986/ 7/28	15:34	Last quater
1986/ 8/ 5	18:36	New moon
1986/ 8/13	2:21	First quarter
1986/ 8/19	18:54	Full moon
1986/ 8/27	8:39	Last quater
1986/ 9/ 4	7:10	New moon
1986/ 9/11	7:41	First quarter
1986/ 9/18	5:34	Full moon
1986/ 9/26	3:17	Last quater
1986/10/ 3	18:55	New moon
1986/10/10	13:28	First quarter
1986/10/17	19:22	Full moon
1986/10/25	22:26	Last quater
1986/11/ 2	6:02	New moon
1986/11/ 8	21:11	First quarter
1986/11/16	12:12	Full moon

1986/11/24	16:50	Last quater
1986/12/ 1	16:43	New moon
1986/12/ 8	8:01	First quarter
1986/12/16	7:04	Full moon
1986/12/24	9:17	Last quater
1986/12/31	3:10	New moon
1987/ 1/ 6	22:34	First quarter
1987/ 1/15	2:30	Full moon
1987/ 1/22	22:45	Last quater
1987/ 1/29	13:45	New moon
1987/ 2/ 5	16:21	First quarter
1987/ 2/13	20:58	Full moon
1987/ 2/21	8:56	Last quater
1987/ 2/28	0:51	New moon
1987/ 3/ 7	11:58	First quarter
1987/ 3/15	13:13	Full moon
1987/ 3/22	16:22	Last quater
1987/ 3/29	12:46	New moon
1987/ 4/ 6	7:48	First quarter
1987/ 4/14	2:31	Full moon
1987/ 4/20	22:15	Last quater
1987/ 4/28	1:34	New moon
1987/ 5/ 6	2:26	First quarter
1987/ 5/13	12:50	Full moon
1987/ 5/20	4:02	Last quater
1987/ 5/27	15:13	New moon
1987/ 6/ 4	18:53	First quarter
1987/ 6/11	20:49	Full moon
1987/ 6/18	11:02	Last quater
1987/ 6/26	5:37	New moon
1987/ 7/ 4	8:34	First quarter
1987/ 7/11	3:33	Full moon
1987/ 7/17	20:17	Last quater
1987/ 7/25	20:38	New moon
1987/ 8/ 2	19:24	First quarter
1987/ 8/ 9	10:17	Full moon
1987/ 8/16	8:25	Last quater
1987/ 8/24	11:59	New moon
1987/ 9/ 1	3:48	First quarter
1987/ 9/ 7	18:13	Full moon
1987/ 9/14	23:44	Last quater
1987/ 9/23	3:08	New moon
1987/ 9/30	10:39	First quarter
1987/10/ 7	4:12	Full moon
1987/10/14	18:06	Last quater
1987/10/22	17:28	New moon
1987/10/29	17:10	First quarter
1987/11/ 5	16:46	Full moon
1987/11/13	14:38	Last quater
1987/11/21	6:33	New moon
1987/11/28	0:37	First quarter
1987/12/ 5	8:01	Full moon
1987/12/13	11:41	Last quater
1987/12/20	18:25	New moon
1987/12/27	10:01	First quarter
1988/ 1/ 4	1:40	Full moon
1988/ 1/12	7:04	Last quater
1988/ 1/19	5:26	New moon
1988/ 1/25	21:54	First quarter
1988/ 2/ 2	20:52	Full moon
1988/ 2/10	23:01	Last quater
1988/ 2/17	15:54	New moon
1988/ 2/24	12:15	First quarter

1988/ 3/ 3	16:01	Full moon
1988/ 3/11	10:56	Last quater
1988/ 3/18	2:02	New moon
1988/ 3/25	4:42	First quarter
1988/ 4/ 2	9:21	Full moon
1988/ 4/ 9	19:21	Last quater
1988/ 4/16	12:00	New moon
1988/ 4/23	22:32	First quarter
1988/ 5/ 1	23:41	Full moon
1988/ 5/ 9	1:23	Last quater
1988/ 5/15	22:11	New moon
1988/ 5/23	16:49	First quarter
1988/ 5/31	10:53	Full moon
1988/ 6/ 7	6:22	Last quater
1988/ 6/14	9:14	New moon
1988/ 6/22	10:23	First quarter
1988/ 6/29	19:46	Full moon
1988/ 7/ 6	11:36	Last quater
1988/ 7/13	21:53	New moon
1988/ 7/22	2:14	First quarter
1988/ 7/29	3:25	Full moon
1988/ 8/ 4	18:22	Last quater
1988/ 8/12	12:31	New moon
1988/ 8/20	15:51	First quarter
1988/ 8/27	10:56	Full moon
1988/ 9/ 3	3:51	Last quater
1988/ 9/11	4:49	New moon
1988/ 9/19	3:18	First quarter
1988/ 9/25	19:07	Full moon
1988/10/ 2	16:58	Last quater
1988/10/10	21:49	New moon
1988/10/18	13:01	First quarter
1988/10/25	4:36	Full moon
1988/11/ 1	10:11	Last quater
1988/11/ 9	14:20	New moon
1988/11/16	21:35	First quarter
1988/11/23	15:53	Full moon
1988/12/ 1	6:49	Last quater
1988/12/ 9	5:36	New moon
1988/12/16	5:40	First quarter
1988/12/23	5:29	Full moon
1988/12/31	4:57	Last quater
1989/ 1/ 7	19:22	New moon
1989/ 1/14	13:58	First quarter
1989/ 1/21	21:34	Full moon
1989/ 1/30	2:02	Last quater
1989/ 2/ 6	7:37	New moon
1989/ 2/12	23:15	First quarter
1989/ 2/20	15:32	Full moon
1989/ 2/28	20:08	Last quater
1989/ 3/ 7	18:19	New moon
1989/ 3/14	10:11	First quarter
1989/ 3/22	9:58	Full moon
1989/ 3/30	10:22	Last quater
1989/ 4/ 6	3:33	New moon
1989/ 4/12	23:13	First quarter
1989/ 4/21	3:13	Full moon
1989/ 4/28	20:46	Last quater
1989/ 5/ 5	11:46	New moon
1989/ 5/12	14:20	First quarter
1989/ 5/20	18:16	Full moon
1989/ 5/28	4:01	Last quater
1989/ 6/ 3	19:53	New moon

1989/ 6/11 6:59 First quarter  
1989/ 6/19 6:57 Full moon  
1989/ 6/26 9:09 Last quater  
1989/ 7/ 3 4:59 New moon  
1989/ 7/11 0:19 First quarter  
1989/ 7/18 17:42 Full moon  
1989/ 7/25 13:31 Last quater  
1989/ 8/ 1 16:06 New moon  
1989/ 8/ 9 17:29 First quarter  
1989/ 8/17 3:07 Full moon  
1989/ 8/23 18:40 Last quater  
1989/ 8/31 5:45 New moon  
1989/ 9/ 8 9:49 First quarter  
1989/ 9/15 11:51 Full moon  
1989/ 9/22 2:10 Last quater  
1989/ 9/29 21:47 New moon  
1989/10/ 8 0:52 First quarter  
1989/10/14 20:32 Full moon  
1989/10/21 13:19 Last quater  
1989/10/29 15:27 New moon  
1989/11/ 6 14:11 First quarter  
1989/11/13 5:51 Full moon  
1989/11/20 4:44 Last quater  
1989/11/28 9:41 New moon  
1989/12/ 6 1:26 First quarter  
1989/12/12 16:30 Full moon  
1989/12/19 23:55 Last quater  
1989/12/28 3:20 New moon  
1990/ 1/ 4 10:40 First quarter  
1990/ 1/11 04:57 Full moon  
1990/ 1/18 21:17 Last quater  
1990/ 1/26 19:20 New moon  
1990/ 2/ 2 18:32 First quarter  
1990/ 2/ 9 19:16 Full moon  
1990/ 2/17 18:48 Last quater  
1990/ 2/25 08:54 New moon  
1990/ 3/ 4 02:05 First quarter  
1990/ 3/11 10:58 Full moon  
1990/ 3/19 14:30 Last quater  
1990/ 3/26 19:48 New moon  
1990/ 4/ 2 10:24 First quarter  
1990/ 4/10 03:18 Full moon  
1990/ 4/18 07:02 Last quater  
1990/ 4/25 04:27 New moon  
1990/ 5/ 1 20:18 First quarter  
1990/ 5/ 9 19:31 Full moon  
1990/ 5/17 19:45 Last quater  
1990/ 5/24 11:47 New moon  
1990/ 5/31 08:11 First quarter  
1990/ 6/ 8 11:01 Full moon  
1990/ 6/16 04:48 Last quater  
1990/ 6/22 18:55 New moon  
1990/ 6/29 22:07 First quarter  
1990/ 7/ 8 01:23 Full moon  
1990/ 7/15 11:04 Last quater  
1990/ 7/22 02:54 New moon  
1990/ 7/29 14:01 First quarter  
1990/ 8/ 6 14:19 Full moon  
1990/ 8/13 15:54 Last quater  
1990/ 8/20 12:39 New moon  
1990/ 8/28 07:34 First quarter  
1990/ 9/ 5 01:46 Full moon  
1990/ 9/11 20:53 Last quater



1990/ 9/19 00:46 New moon  
1990/ 9/27 02:06 First quarter  
1990/10/ 4 12:02 Full moon  
1990/10/11 03:31 Last quater  
1990/10/18 15:37 New moon  
1990/10/26 20:26 First quarter  
1990/11/ 2 21:48 Full moon  
1990/11/ 9 13:02 Last quater  
1990/11/17 09:05 New moon  
1990/11/25 13:11 First quarter  
1990/12/ 2 07:50 Full moon  
1990/12/ 9 02:04 Last quater  
1990/12/17 04:22 New moon  
1990/12/25 03:16 First quarter  
1990/12/31 18:35 Full moon  
1991/ 1/ 7 18:35 Last quater  
1991/ 1/15 23:50 New moon  
1991/ 1/23 14:21 First quarter  
1991/ 1/30 06:10 Full moon  
1991/ 2/ 6 13:52 Last quater  
1991/ 2/14 17:32 New moon  
1991/ 2/21 22:58 First quarter  
1991/ 2/28 18:25 Full moon  
1991/ 3/ 8 10:32 Last quater  
1991/ 3/16 08:10 New moon  
1991/ 3/23 06:03 First quarter  
1991/ 3/30 07:17 Full moon  
1991/ 4/ 7 06:45 Last quater  
1991/ 4/14 19:38 New moon  
1991/ 4/21 12:39 First quarter  
1991/ 4/28 20:58 Full moon  
1991/ 5/ 7 00:46 Last quater  
1991/ 5/14 04:36 New moon  
1991/ 5/20 19:46 First quarter  
1991/ 5/28 11:37 Full moon  
1991/ 6/ 5 15:30 Last quater  
1991/ 6/12 12:06 New moon  
1991/ 6/19 04:19 First quarter  
1991/ 6/27 02:58 Full moon  
1991/ 7/ 5 02:50 Last quater  
1991/ 7/11 19:06 New moon  
1991/ 7/18 15:11 First quarter  
1991/ 7/26 18:24 Full moon  
1991/ 8/ 3 11:25 Last quater  
1991/ 8/10 02:28 New moon  
1991/ 8/17 05:01 First quarter  
1991/ 8/25 09:07 Full moon  
1991/ 9/ 1 18:16 Last quater  
1991/ 9/ 8 11:01 New moon  
1991/ 9/15 22:01 First quarter  
1991/ 9/23 22:40 Full moon  
1991/10/ 1 00:30 Last quater  
1991/10/ 7 21:39 New moon  
1991/10/15 17:33 First quarter  
1991/10/23 11:08 Full moon  
1991/10/30 07:10 Last quater  
1991/11/ 6 11:11 New moon  
1991/11/14 14:02 First quarter  
1991/11/21 22:56 Full moon  
1991/11/28 15:21 Last quater  
1991/12/ 6 03:56 New moon  
1991/12/14 09:32 First quarter  
1991/12/21 10:23 Full moon

1991/12/28	01:55	Last quater
1992/ 1/ 4	23:10	New moon
1992/ 1/13	02:32	First quarter
1992/ 1/19	21:28	Full moon
1992/ 1/26	15:27	Last quater
1992/ 2/ 3	19:00	New moon
1992/ 2/11	16:15	First quarter
1992/ 2/18	08:04	Full moon
1992/ 2/25	07:56	Last quater
1992/ 3/ 4	13:22	New moon
1992/ 3/12	02:36	First quarter
1992/ 3/18	18:18	Full moon
1992/ 3/26	02:30	Last quater
1992/ 4/ 3	05:01	New moon
1992/ 4/10	10:06	First quarter
1992/ 4/17	04:42	Full moon
1992/ 4/24	21:40	Last quater
1992/ 5/ 2	17:44	New moon
1992/ 5/ 9	15:43	First quarter
1992/ 5/16	16:03	Full moon
1992/ 5/24	15:53	Last quater
1992/ 6/ 1	03:57	New moon
1992/ 6/ 7	20:47	First quarter
1992/ 6/15	04:50	Full moon
1992/ 6/23	08:11	Last quater
1992/ 6/30	12:18	New moon
1992/ 7/ 7	02:43	First quarter
1992/ 7/14	19:06	Full moon
1992/ 7/22	22:12	Last quater
1992/ 7/29	19:35	New moon
1992/ 8/ 5	10:58	First quarter
1992/ 8/13	10:27	Full moon
1992/ 8/21	10:01	Last quater
1992/ 8/28	02:42	New moon
1992/ 9/ 3	22:39	First quarter
1992/ 9/12	02:17	Full moon
1992/ 9/19	19:53	Last quater
1992/ 9/26	10:40	New moon
1992/10/ 3	14:12	First quarter
1992/10/11	18:03	Full moon
1992/10/19	04:12	Last quater
1992/10/25	20:34	New moon
1992/11/ 2	09:11	First quarter
1992/11/10	09:20	Full moon
1992/11/17	11:39	Last quater
1992/11/24	09:11	New moon
1992/12/ 2	06:17	First quarter
1992/12/ 9	23:41	Full moon
1992/12/16	19:13	Last quater
1992/12/24	00:43	New moon
1993/ 1/ 1	03:38	First quarter
1993/ 1/ 8	12:37	Full moon
1993/ 1/15	04:01	Last quater
1993/ 1/22	18:27	New moon
1993/ 1/30	23:20	First quarter
1993/ 2/ 6	23:55	Full moon
1993/ 2/13	14:57	Last quater
1993/ 2/21	13:05	New moon
1993/ 3/ 1	15:46	First quarter
1993/ 3/ 8	09:46	Full moon
1993/ 3/15	04:16	Last quater
1993/ 3/23	07:14	New moon
1993/ 3/31	04:10	First quarter

1993/ 4/ 6 18:43 Full moon  
1993/ 4/13 19:39 Last quater  
1993/ 4/21 23:49 New moon  
1993/ 4/29 12:40 First quarter  
1993/ 5/ 6 03:34 Full moon  
1993/ 5/13 12:20 Last quater  
1993/ 5/21 14:06 New moon  
1993/ 5/28 18:21 First quarter  
1993/ 6/ 4 13:02 Full moon  
1993/ 6/12 05:36 Last quater  
1993/ 6/20 01:52 New moon  
1993/ 6/26 22:43 First quarter  
1993/ 7/ 3 23:45 Full moon  
1993/ 7/11 22:49 Last quater  
1993/ 7/19 11:24 New moon  
1993/ 7/26 03:25 First quarter  
1993/ 8/ 2 12:10 Full moon  
1993/ 8/10 15:19 Last quater  
1993/ 8/17 19:28 New moon  
1993/ 8/24 09:57 First quarter  
1993/ 9/ 1 02:33 Full moon  
1993/ 9/ 9 06:26 Last quater  
1993/ 9/16 03:10 New moon  
1993/ 9/22 19:32 First quarter  
1993/ 9/30 18:54 Full moon  
1993/10/ 8 19:35 Last quater  
1993/10/15 11:36 New moon  
1993/10/22 08:52 First quarter  
1993/10/30 12:38 Full moon  
1993/11/ 7 06:36 Last quater  
1993/11/13 21:34 New moon  
1993/11/21 02:03 First quarter  
1993/11/29 06:31 Full moon  
1993/12/ 6 15:49 Last quater  
1993/12/13 09:27 New moon  
1993/12/20 22:26 First quarter  
1993/12/28 23:05 Full moon  
1994/ 1/ 5 00:00 Last quater  
1994/ 1/11 23:10 New moon  
1994/ 1/19 20:27 First quarter  
1994/ 1/27 13:23 Full moon  
1994/ 2/ 3 08:06 Last quater  
1994/ 2/10 14:30 New moon  
1994/ 2/18 17:47 First quarter  
1994/ 2/26 01:15 Full moon  
1994/ 3/ 4 16:53 Last quater  
1994/ 3/12 07:05 New moon  
1994/ 3/20 12:14 First quarter  
1994/ 3/27 11:09 Full moon  
1994/ 4/ 3 02:55 Last quater  
1994/ 4/11 00:17 New moon  
1994/ 4/19 02:34 First quarter  
1994/ 4/25 19:45 Full moon  
1994/ 5/ 2 14:32 Last quater  
1994/ 5/10 17:07 New moon  
1994/ 5/18 12:50 First quarter  
1994/ 5/25 03:39 Full moon  
1994/ 6/ 1 04:02 Last quater  
1994/ 6/ 9 08:26 New moon  
1994/ 6/16 19:56 First quarter  
1994/ 6/23 11:33 Full moon  
1994/ 6/30 19:31 Last quater  
1994/ 7/ 8 21:37 New moon

1994/ 7/16 01:12 First quarter  
1994/ 7/22 20:16 Full moon  
1994/ 7/30 12:40 Last quater  
1994/ 8/ 7 08:45 New moon  
1994/ 8/14 05:57 First quarter  
1994/ 8/21 06:47 Full moon  
1994/ 8/29 06:41 Last quater  
1994/ 9/ 5 18:33 New moon  
1994/ 9/12 11:34 First quarter  
1994/ 9/19 20:00 Full moon  
1994/ 9/28 00:23 Last quater  
1994/10/ 5 03:55 New moon  
1994/10/11 19:17 First quarter  
1994/10/19 12:18 Full moon  
1994/10/27 16:44 Last quater  
1994/11/ 3 13:35 New moon  
1994/11/10 06:14 First quarter  
1994/11/18 06:57 Full moon  
1994/11/26 07:04 Last quater  
1994/12/ 2 23:54 New moon  
1994/12/ 9 21:06 First quarter  
1994/12/18 02:17 Full moon  
1994/12/25 19:06 Last quater  
1995/ 1/ 1 10:56 New moon  
1995/ 1/ 8 15:46 First quarter  
1995/ 1/16 20:26 Full moon  
1995/ 1/24 04:58 Last quater  
1995/ 1/30 22:48 New moon  
1995/ 2/ 7 12:54 First quarter  
1995/ 2/15 12:15 Full moon  
1995/ 2/22 13:04 Last quater  
1995/ 3/ 1 11:48 New moon  
1995/ 3/ 9 10:14 First quarter  
1995/ 3/17 01:26 Full moon  
1995/ 3/23 20:10 Last quater  
1995/ 3/31 02:09 New moon  
1995/ 4/ 8 05:35 First quarter  
1995/ 4/15 12:08 Full moon  
1995/ 4/22 03:18 Last quater  
1995/ 4/29 17:36 New moon  
1995/ 5/ 7 21:44 First quarter  
1995/ 5/14 20:48 Full moon  
1995/ 5/21 11:36 Last quater  
1995/ 5/29 09:27 New moon  
1995/ 6/ 6 10:26 First quarter  
1995/ 6/13 04:03 Full moon  
1995/ 6/19 22:01 Last quater  
1995/ 6/28 00:50 New moon  
1995/ 7/ 5 20:02 First quarter  
1995/ 7/12 10:49 Full moon  
1995/ 7/19 11:10 Last quater  
1995/ 7/27 15:13 New moon  
1995/ 8/ 4 03:16 First quarter  
1995/ 8/10 18:15 Full moon  
1995/ 8/18 03:04 Last quater  
1995/ 8/26 04:31 New moon  
1995/ 9/ 2 09:03 First quarter  
1995/ 9/ 9 03:37 Full moon  
1995/ 9/16 21:09 Last quater  
1995/ 9/24 16:55 New moon  
1995/10/ 1 14:36 First quarter  
1995/10/ 8 15:52 Full moon  
1995/10/16 16:26 Last quater

1995/10/24	04:36	New moon
1995/10/30	21:17	First quarter
1995/11/ 7	07:20	Full moon
1995/11/15	11:40	Last quater
1995/11/22	15:43	New moon
1995/11/29	06:28	First quarter
1995/12/ 7	01:27	Full moon
1995/12/15	05:31	Last quater
1995/12/22	02:22	New moon
1995/12/28	19:06	First quarter
1996/ 1/ 5	20:51	Full moon
1996/ 1/13	20:45	Last quater
1996/ 1/20	12:50	New moon
1996/ 1/27	11:14	First quarter
1996/ 2/ 4	15:58	Full moon
1996/ 2/12	08:37	Last quater
1996/ 2/18	23:30	New moon
1996/ 2/26	05:52	First quarter
1996/ 3/ 5	09:23	Full moon
1996/ 3/12	17:15	Last quater
1996/ 3/19	10:45	New moon
1996/ 3/27	01:31	First quarter
1996/ 4/ 4	00:07	Full moon
1996/ 4/10	23:36	Last quater
1996/ 4/17	22:49	New moon
1996/ 4/25	20:40	First quarter
1996/ 5/ 3	11:48	Full moon
1996/ 5/10	05:04	Last quater
1996/ 5/17	11:46	New moon
1996/ 5/25	14:13	First quarter
1996/ 6/ 1	20:47	Full moon
1996/ 6/ 8	11:05	Last quater
1996/ 6/16	01:36	New moon
1996/ 6/24	05:23	First quarter
1996/ 7/ 1	03:58	Full moon
1996/ 7/ 7	18:55	Last quater
1996/ 7/15	16:15	New moon
1996/ 7/23	17:49	First quarter
1996/ 7/30	10:35	Full moon
1996/ 8/ 6	05:25	Last quater
1996/ 8/14	07:34	New moon
1996/ 8/22	03:36	First quarter
1996/ 8/28	17:52	Full moon
1996/ 9/ 4	19:06	Last quater
1996/ 9/12	23:07	New moon
1996/ 9/20	11:23	First quarter
1996/ 9/27	02:51	Full moon
1996/10/ 4	12:04	Last quater
1996/10/12	14:14	New moon
1996/10/19	18:09	First quarter
1996/10/26	14:11	Full moon
1996/11/ 3	07:50	Last quater
1996/11/11	04:16	New moon
1996/11/18	01:09	First quarter
1996/11/25	04:10	Full moon
1996/12/ 3	05:06	Last quater
1996/12/10	16:56	New moon
1996/12/17	09:31	First quarter
1996/12/24	20:41	Full moon
1997/ 1/ 2	01:45	Last quater
1997/ 1/ 9	04:26	New moon
1997/ 1/15	20:02	First quarter
1997/ 1/23	15:11	Full moon

1997/ 1/31 19:40 Last quater  
1997/ 2/ 7 15:06 New moon  
1997/ 2/14 08:57 First quarter  
1997/ 2/22 10:27 Full moon  
1997/ 3/ 2 09:37 Last quater  
1997/ 3/ 9 01:15 New moon  
1997/ 3/16 00:06 First quarter  
1997/ 3/24 04:45 Full moon  
1997/ 3/31 19:38 Last quater  
1997/ 4/ 7 11:02 New moon  
1997/ 4/14 17:00 First quarter  
1997/ 4/22 20:33 Full moon  
1997/ 4/30 02:37 Last quater  
1997/ 5/ 6 20:46 New moon  
1997/ 5/14 10:55 First quarter  
1997/ 5/22 09:13 Full moon  
1997/ 5/29 07:51 Last quater  
1997/ 6/ 5 07:03 New moon  
1997/ 6/13 04:51 First quarter  
1997/ 6/20 19:09 Full moon  
1997/ 6/27 12:42 Last quater  
1997/ 7/ 4 18:40 New moon  
1997/ 7/12 21:44 First quarter  
1997/ 7/20 03:20 Full moon  
1997/ 7/26 18:28 Last quater  
1997/ 8/ 3 08:14 New moon  
1997/ 8/11 12:42 First quarter  
1997/ 8/18 10:55 Full moon  
1997/ 8/25 02:23 Last quater  
1997/ 9/ 1 23:52 New moon  
1997/ 9/10 01:31 First quarter  
1997/ 9/16 18:50 Full moon  
1997/ 9/23 13:35 Last quater  
1997/10/ 1 16:51 New moon  
1997/10/ 9 12:22 First quarter  
1997/10/16 03:46 Full moon  
1997/10/23 04:48 Last quater  
1997/10/31 10:01 New moon  
1997/11/ 7 21:43 First quarter  
1997/11/14 14:12 Full moon  
1997/11/21 23:58 Last quater  
1997/11/30 02:14 New moon  
1997/12/ 7 06:09 First quarter  
1997/12/14 02:37 Full moon  
1997/12/21 21:43 Last quater  
1997/12/29 16:56 New moon  
1998/ 1/ 5 14:18 First quarter  
1998/ 1/12 17:24 Full moon  
1998/ 1/20 19:40 Last quater  
1998/ 1/28 06:01 New moon  
1998/ 2/ 3 22:53 First quarter  
1998/ 2/11 10:23 Full moon  
1998/ 2/19 15:27 Last quater  
1998/ 2/26 17:26 New moon  
1998/ 3/ 5 08:41 First quarter  
1998/ 3/13 04:34 Full moon  
1998/ 3/21 07:38 Last quater  
1998/ 3/28 03:14 New moon  
1998/ 4/ 3 20:18 First quarter  
1998/ 4/11 22:23 Full moon  
1998/ 4/19 19:53 Last quater  
1998/ 4/26 11:41 New moon  
1998/ 5/ 3 10:04 First quarter

1998/ 5/11 14:29 Full moon  
1998/ 5/19 04:35 Last quater  
1998/ 5/25 19:32 New moon  
1998/ 6/ 2 01:45 First quarter  
1998/ 6/10 04:18 Full moon  
1998/ 6/17 10:38 Last quater  
1998/ 6/24 03:50 New moon  
1998/ 7/ 1 18:43 First quarter  
1998/ 7/ 9 16:01 Full moon  
1998/ 7/16 15:13 Last quater  
1998/ 7/23 13:44 New moon  
1998/ 7/31 12:05 First quarter  
1998/ 8/ 8 02:10 Full moon  
1998/ 8/14 19:48 Last quater  
1998/ 8/22 02:03 New moon  
1998/ 8/30 05:06 First quarter  
1998/ 9/ 6 11:21 Full moon  
1998/ 9/13 01:58 Last quater  
1998/ 9/20 17:01 New moon  
1998/ 9/28 21:11 First quarter  
1998/10/ 5 20:12 Full moon  
1998/10/12 11:11 Last quater  
1998/10/20 10:09 New moon  
1998/10/28 11:46 First quarter  
1998/11/ 4 05:18 Full moon  
1998/11/11 00:28 Last quater  
1998/11/19 04:27 New moon  
1998/11/27 00:23 First quarter  
1998/12/ 3 15:19 Full moon  
1998/12/10 17:53 Last quater  
1998/12/18 22:42 New moon  
1998/12/26 10:46 First quarter  
1999/ 1/ 2 02:49 Full moon  
1999/ 1/ 9 14:22 Last quater  
1999/ 1/17 15:46 New moon  
1999/ 1/24 19:15 First quarter  
1999/ 1/31 16:06 Full moon  
1999/ 2/ 8 11:58 Last quater  
1999/ 2/16 06:39 New moon  
1999/ 2/23 02:43 First quarter  
1999/ 3/ 2 06:58 Full moon  
1999/ 3/10 08:40 Last quater  
1999/ 3/17 18:48 New moon  
1999/ 3/24 10:18 First quarter  
1999/ 3/31 22:49 Full moon  
1999/ 4/ 9 02:51 Last quater  
1999/ 4/16 04:22 New moon  
1999/ 4/22 19:01 First quarter  
1999/ 4/30 14:55 Full moon  
1999/ 5/ 8 17:28 Last quater  
1999/ 5/15 12:05 New moon  
1999/ 5/22 05:34 First quarter  
1999/ 5/30 06:40 Full moon  
1999/ 6/ 7 04:20 Last quater  
1999/ 6/13 19:03 New moon  
1999/ 6/20 18:13 First quarter  
1999/ 6/28 21:37 Full moon  
1999/ 7/ 6 11:57 Last quater  
1999/ 7/13 02:24 New moon  
1999/ 7/20 09:00 First quarter  
1999/ 7/28 11:25 Full moon  
1999/ 8/ 4 17:27 Last quater  
1999/ 8/11 11:08 New moon

1999/ 8/19 01:47 First quarter  
1999/ 8/26 23:48 Full moon  
1999/ 9/ 2 22:17 Last quater  
1999/ 9/ 9 22:02 New moon  
1999/ 9/17 20:06 First quarter  
1999/ 9/25 10:51 Full moon  
1999/10/ 2 04:02 Last quater  
1999/10/ 9 11:34 New moon  
1999/10/17 15:00 First quarter  
1999/10/24 21:02 Full moon  
1999/10/31 12:04 Last quater  
1999/11/ 8 03:53 New moon  
1999/11/16 09:03 First quarter  
1999/11/23 07:04 Full moon  
1999/11/29 23:18 Last quater  
1999/12/ 7 22:32 New moon  
1999/12/16 00:50 First quarter  
1999/12/22 17:31 Full moon  
1999/12/29 14:04 Last quater  
2000/ 1/ 6 18:14 New moon  
2000/ 1/14 13:34 First quarter  
2000/ 1/21 04:40 Full moon  
2000/ 1/28 07:57 Last quater  
2000/ 2/ 5 13:03 New moon  
2000/ 2/12 23:21 First quarter  
2000/ 2/19 16:27 Full moon  
2000/ 2/27 03:53 Last quater  
2000/ 3/ 6 05:17 New moon  
2000/ 3/13 06:59 First quarter  
2000/ 3/20 04:44 Full moon  
2000/ 3/28 00:21 Last quater  
2000/ 4/ 4 18:12 New moon  
2000/ 4/11 13:30 First quarter  
2000/ 4/18 17:41 Full moon  
2000/ 4/26 19:30 Last quater  
2000/ 5/ 4 04:12 New moon  
2000/ 5/10 20:00 First quarter  
2000/ 5/18 07:34 Full moon  
2000/ 5/26 11:55 Last quater  
2000/ 6/ 2 12:14 New moon  
2000/ 6/ 9 03:29 First quarter  
2000/ 6/16 22:27 Full moon  
2000/ 6/25 01:00 Last quater  
2000/ 7/ 1 19:20 New moon  
2000/ 7/ 8 12:53 First quarter  
2000/ 7/16 13:55 Full moon  
2000/ 7/24 11:02 Last quater  
2000/ 7/31 02:25 New moon  
2000/ 8/ 7 01:02 First quarter  
2000/ 8/15 05:13 Full moon  
2000/ 8/22 18:51 Last quater  
2000/ 8/29 10:19 New moon  
2000/ 9/ 5 16:27 First quarter  
2000/ 9/13 19:37 Full moon  
2000/ 9/21 01:28 Last quater  
2000/ 9/27 19:53 New moon  
2000/10/ 5 10:59 First quarter  
2000/10/13 08:53 Full moon  
2000/10/20 07:59 Last quater  
2000/10/27 07:58 New moon  
2000/11/ 4 07:27 First quarter  
2000/11/11 21:15 Full moon  
2000/11/18 15:24 Last quater



2000/11/25	23:11	New moon
2000/12/ 4	03:55	First quarter
2000/12/11	09:03	Full moon
2000/12/18	00:41	Last quater
2000/12/25	17:22	New moon
2001/ 1/ 2	22:31	First quarter
2001/ 1/ 9	20:24	Full moon
2001/ 1/16	12:35	Last quater
2001/ 1/24	13:07	New moon
2001/ 2/ 1	14:02	First quarter
2001/ 2/ 8	7:12	Full moon
2001/ 2/15	3:23	Last quater
2001/ 2/23	8:21	New moon
2001/ 3/ 3	2:03	First quarter
2001/ 3/ 9	17:23	Full moon
2001/ 3/16	20:45	Last quater
2001/ 3/25	1:21	New moon
2001/ 4/ 1	10:49	First quarter
2001/ 4/ 8	3:22	Full moon
2001/ 4/15	15:31	Last quater
2001/ 4/23	15:26	New moon
2001/ 4/30	17:08	First quarter
2001/ 5/ 7	13:52	Full moon
2001/ 5/15	10:11	Last quater
2001/ 5/23	2:46	New moon
2001/ 5/29	22:09	First quarter
2001/ 6/ 6	1:39	Full moon
2001/ 6/14	3:28	Last quater
2001/ 6/21	11:58	New moon
2001/ 6/28	3:19	First quarter
2001/ 7/ 5	15:04	Full moon
2001/ 7/13	18:45	Last quater
2001/ 7/20	19:44	New moon
2001/ 7/27	10:08	First quarter
2001/ 8/ 4	5:56	Full moon
2001/ 8/12	7:53	Last quater
2001/ 8/19	2:55	New moon
2001/ 8/25	19:55	First quarter
2001/ 9/ 2	21:43	Full moon
2001/ 9/10	18:59	Last quater
2001/ 9/17	10:27	New moon
2001/ 9/24	9:31	First quarter
2001/10/ 2	13:49	Full moon
2001/10/10	4:20	Last quater
2001/10/16	19:23	New moon
2001/10/24	2:58	First quarter
2001/11/ 1	5:41	Full moon
2001/11/ 8	12:21	Last quater
2001/11/15	6:40	New moon
2001/11/22	23:21	First quarter
2001/11/30	20:49	Full moon
2001/12/ 7	19:52	Last quater
2001/12/14	20:47	New moon
2001/12/22	20:56	First quarter
2001/12/30	10:40	Full moon
2002/ 1/ 6	3:55	Last quater
2002/ 1/13	13:29	New moon
2002/ 1/21	17:46	First quarter
2002/ 1/28	22:50	Full moon
2002/ 2/ 4	13:33	Last quater
2002/ 2/12	7:41	New moon
2002/ 2/20	12:02	First quarter
2002/ 2/27	9:17	Full moon

2002/ 3/ 6	1:24	Last quater
2002/ 3/14	2:02	New moon
2002/ 3/22	2:28	First quarter
2002/ 3/28	18:25	Full moon
2002/ 4/ 4	15:29	Last quater
2002/ 4/12	19:21	New moon
2002/ 4/20	12:48	First quarter
2002/ 4/27	3:00	Full moon
2002/ 5/ 4	7:16	Last quater
2002/ 5/12	10:45	New moon
2002/ 5/19	19:42	First quarter
2002/ 5/26	11:51	Full moon
2002/ 6/ 3	0:05	Last quater
2002/ 6/10	23:46	New moon
2002/ 6/18	0:29	First quarter
2002/ 6/24	21:42	Full moon
2002/ 7/ 2	17:19	Last quater
2002/ 7/10	10:26	New moon
2002/ 7/17	4:47	First quarter
2002/ 7/24	9:07	Full moon
2002/ 8/ 1	10:22	Last quater
2002/ 8/ 8	19:15	New moon
2002/ 8/15	10:12	First quarter
2002/ 8/22	22:29	Full moon
2002/ 8/31	2:31	Last quater
2002/ 9/ 7	3:10	New moon
2002/ 9/13	18:08	First quarter
2002/ 9/21	13:59	Full moon
2002/ 9/29	17:03	Last quater
2002/10/ 6	11:18	New moon
2002/10/13	5:33	First quarter
2002/10/21	7:20	Full moon
2002/10/29	5:28	Last quater
2002/11/ 4	20:34	New moon
2002/11/11	20:52	First quarter
2002/11/20	1:34	Full moon
2002/11/27	15:46	Last quater
2002/12/ 4	7:34	New moon
2002/12/11	15:49	First quarter
2002/12/19	19:10	Full moon
2002/12/27	0:31	Last quater
2003/ 1/ 2	20:23	New moon
2003/ 1/10	13:15	First quarter
2003/ 1/18	10:48	Full moon
2003/ 1/25	8:33	Last quater
2003/ 2/ 1	10:48	New moon
2003/ 2/ 9	11:11	First quarter
2003/ 2/16	23:51	Full moon
2003/ 2/23	16:46	Last quater
2003/ 3/ 3	2:35	New moon
2003/ 3/11	7:15	First quarter
2003/ 3/18	10:34	Full moon
2003/ 3/25	1:51	Last quater
2003/ 4/ 1	19:19	New moon
2003/ 4/ 9	23:40	First quarter
2003/ 4/16	19:36	Full moon
2003/ 4/23	12:18	Last quater
2003/ 5/ 1	12:15	New moon
2003/ 5/ 9	11:53	First quarter
2003/ 5/16	3:36	Full moon
2003/ 5/23	0:31	Last quater
2003/ 5/31	4:20	New moon
2003/ 6/ 7	20:28	First quarter

2003/ 6/14	11:16	Full moon
2003/ 6/21	14:45	Last quater
2003/ 6/29	18:39	New moon
2003/ 7/ 7	2:32	First quarter
2003/ 7/13	19:21	Full moon
2003/ 7/21	7:01	Last quater
2003/ 7/29	6:53	New moon
2003/ 8/ 5	7:28	First quarter
2003/ 8/12	4:48	Full moon
2003/ 8/20	0:48	Last quater
2003/ 8/27	17:26	New moon
2003/ 9/ 3	12:34	First quarter
2003/ 9/10	16:36	Full moon
2003/ 9/18	19:03	Last quater
2003/ 9/26	3:09	New moon
2003/10/ 2	19:09	First quarter
2003/10/10	7:27	Full moon
2003/10/18	12:31	Last quater
2003/10/25	12:50	New moon
2003/11/ 1	4:25	First quarter
2003/11/ 9	1:13	Full moon
2003/11/17	4:15	Last quater
2003/11/23	22:59	New moon
2003/11/30	17:16	First quarter
2003/12/ 8	20:37	Full moon
2003/12/16	17:42	Last quater
2003/12/23	9:43	New moon
2003/12/30	10:03	First quarter
2004/ 1/ 7	15:40	Full moon
2004/ 1/15	4:46	Last quater
2004/ 1/21	21:05	New moon
2004/ 1/29	6:03	First quarter
2004/ 2/ 6	8:47	Full moon
2004/ 2/13	13:40	Last quater
2004/ 2/20	9:18	New moon
2004/ 2/28	3:24	First quarter
2004/ 3/ 6	23:14	Full moon
2004/ 3/13	21:01	Last quater
2004/ 3/20	22:41	New moon
2004/ 3/28	23:48	First quarter
2004/ 4/ 5	11:03	Full moon
2004/ 4/12	3:46	Last quater
2004/ 4/19	13:21	New moon
2004/ 4/27	17:32	First quarter
2004/ 5/ 4	20:33	Full moon
2004/ 5/11	11:04	Last quater
2004/ 5/19	4:52	New moon
2004/ 5/27	7:57	First quarter
2004/ 6/ 3	4:20	Full moon
2004/ 6/ 9	20:02	Last quater
2004/ 6/17	20:27	New moon
2004/ 6/25	19:08	First quarter
2004/ 7/ 2	11:09	Full moon
2004/ 7/ 9	7:34	Last quater
2004/ 7/17	11:24	New moon
2004/ 7/25	3:37	First quarter
2004/ 7/31	18:05	Full moon
2004/ 8/ 7	22:01	Last quater
2004/ 8/16	1:24	New moon
2004/ 8/23	10:12	First quarter
2004/ 8/30	2:22	Full moon
2004/ 9/ 6	15:11	Last quater
2004/ 9/14	14:29	New moon

2004/ 9/21 15:54 First quarter  
2004/ 9/28 13:09 Full moon  
2004/10/ 6 10:12 Last quater  
2004/10/14 2:48 New moon  
2004/10/20 21:59 First quarter  
2004/10/28 3:07 Full moon  
2004/11/ 5 5:53 Last quater  
2004/11/12 14:27 New moon  
2004/11/19 5:50 First quarter  
2004/11/26 20:07 Full moon  
2004/12/ 5 0:53 Last quater  
2004/12/12 1:29 New moon  
2004/12/18 16:40 First quarter  
2004/12/26 15:06 Full moon  
2005/ 1/ 3 17:46 Last quater  
2005/ 1/10 12:03 New moon  
2005/ 1/17 6:57 First quarter  
2005/ 1/25 10:32 Full moon  
2005/ 2/ 2 7:27 Last quater  
2005/ 2/ 8 22:28 New moon  
2005/ 2/16 0:16 First quarter  
2005/ 2/24 4:54 Full moon  
2005/ 3/ 3 17:36 Last quater  
2005/ 3/10 9:10 New moon  
2005/ 3/17 19:19 First quarter  
2005/ 3/25 20:58 Full moon  
2005/ 4/ 2 0:50 Last quater  
2005/ 4/ 8 20:32 New moon  
2005/ 4/16 14:37 First quarter  
2005/ 4/24 10:06 Full moon  
2005/ 5/ 1 6:24 Last quater  
2005/ 5/ 8 8:45 New moon  
2005/ 5/16 8:56 First quarter  
2005/ 5/23 20:18 Full moon  
2005/ 5/30 11:47 Last quater  
2005/ 6/ 6 21:55 New moon  
2005/ 6/15 1:22 First quarter  
2005/ 6/22 4:14 Full moon  
2005/ 6/28 18:23 Last quater  
2005/ 7/ 6 12:02 New moon  
2005/ 7/14 15:20 First quarter  
2005/ 7/21 11:00 Full moon  
2005/ 7/28 3:19 Last quater  
2005/ 8/ 5 3:05 New moon  
2005/ 8/13 2:38 First quarter  
2005/ 8/19 17:53 Full moon  
2005/ 8/26 15:18 Last quater  
2005/ 9/ 3 18:45 New moon  
2005/ 9/11 11:37 First quarter  
2005/ 9/18 2:01 Full moon  
2005/ 9/25 6:41 Last quater  
2005/10/ 3 10:28 New moon  
2005/10/10 19:01 First quarter  
2005/10/17 12:14 Full moon  
2005/10/25 1:17 Last quater  
2005/11/ 2 1:24 New moon  
2005/11/ 9 1:57 First quarter  
2005/11/16 0:57 Full moon  
2005/11/23 22:11 Last quater  
2005/12/ 1 15:01 New moon  
2005/12/ 8 9:36 First quarter  
2005/12/15 16:15 Full moon  
2005/12/23 19:36 Last quater

2005/12/31	3:12	New moon
2006/ 1/ 6	18:56	First quarter
2006/ 1/14	9:48	Full moon
2006/ 1/22	15:14	Last quater
2006/ 1/29	14:15	New moon
2006/ 2/ 5	6:29	First quarter
2006/ 2/13	4:44	Full moon
2006/ 2/21	7:17	Last quater
2006/ 2/28	0:31	New moon
2006/ 3/ 6	20:16	First quarter
2006/ 3/14	23:35	Full moon
2006/ 3/22	19:10	Last quater
2006/ 3/29	10:15	New moon
2006/ 4/ 5	12:01	First quarter
2006/ 4/13	16:40	Full moon
2006/ 4/21	3:28	Last quater
2006/ 4/27	19:44	New moon
2006/ 5/ 5	5:13	First quarter
2006/ 5/13	6:51	Full moon
2006/ 5/20	9:21	Last quater
2006/ 5/27	5:26	New moon
2006/ 6/ 3	23:06	First quarter
2006/ 6/11	18:03	Full moon
2006/ 6/18	14:08	Last quater
2006/ 6/25	16:05	New moon
2006/ 7/ 3	16:37	First quarter
2006/ 7/11	3:02	Full moon
2006/ 7/17	19:13	Last quater
2006/ 7/25	4:31	New moon
2006/ 8/ 2	8:46	First quarter
2006/ 8/ 9	10:54	Full moon
2006/ 8/16	1:51	Last quater
2006/ 8/23	19:10	New moon
2006/ 8/31	22:56	First quarter
2006/ 9/ 7	18:42	Full moon
2006/ 9/14	11:15	Last quater
2006/ 9/22	11:45	New moon
2006/ 9/30	11:04	First quarter
2006/10/ 7	3:13	Full moon
2006/10/14	0:26	Last quater
2006/10/22	5:14	New moon
2006/10/29	21:25	First quarter
2006/11/ 5	12:58	Full moon
2006/11/12	17:45	Last quater
2006/11/20	22:18	New moon
2006/11/28	6:29	First quarter
2006/12/ 5	0:25	Full moon
2006/12/12	14:32	Last quater
2006/12/20	14:01	New moon
2006/12/27	14:48	First quarter
2007/ 1/ 3	13:57	Full moon
2007/ 1/11	12:45	Last quater
2007/ 1/19	4:01	New moon
2007/ 1/25	23:01	First quarter
2007/ 2/ 2	5:45	Full moon
2007/ 2/10	9:51	Last quater
2007/ 2/17	16:14	New moon
2007/ 2/24	7:56	First quarter
2007/ 3/ 3	23:17	Full moon
2007/ 3/12	3:54	Last quater
2007/ 3/19	2:43	New moon
2007/ 3/25	18:16	First quarter
2007/ 4/ 2	17:15	Full moon

2007/ 4/10 18:04 Last quater  
2007/ 4/17 11:36 New moon  
2007/ 4/24 6:35 First quarter  
2007/ 5/ 2 10:09 Full moon  
2007/ 5/10 4:27 Last quater  
2007/ 5/16 19:27 New moon  
2007/ 5/23 21:02 First quarter  
2007/ 6/ 1 1:04 Full moon  
2007/ 6/ 8 11:43 Last quater  
2007/ 6/15 3:13 New moon  
2007/ 6/22 13:15 First quarter  
2007/ 6/30 13:49 Full moon  
2007/ 7/ 7 16:54 Last quater  
2007/ 7/14 12:04 New moon  
2007/ 7/22 6:29 First quarter  
2007/ 7/30 0:48 Full moon  
2007/ 8/ 5 21:20 Last quater  
2007/ 8/12 23:02 New moon  
2007/ 8/20 23:54 First quarter  
2007/ 8/28 10:35 Full moon  
2007/ 9/ 4 2:32 Last quater  
2007/ 9/11 12:44 New moon  
2007/ 9/19 16:48 First quarter  
2007/ 9/26 19:45 Full moon  
2007/10/ 3 10:06 Last quater  
2007/10/11 5:01 New moon  
2007/10/19 8:33 First quarter  
2007/10/26 4:52 Full moon  
2007/11/ 1 21:18 Last quater  
2007/11/ 9 23:03 New moon  
2007/11/17 22:33 First quarter  
2007/11/24 14:30 Full moon  
2007/12/ 1 12:44 Last quater  
2007/12/ 9 17:40 New moon  
2007/12/17 10:17 First quarter  
2007/12/24 1:16 Full moon  
2007/12/31 7:51 Last quater  
2008/ 1/ 8 11:37 New moon  
2008/ 1/15 19:46 First quarter  
2008/ 1/22 13:35 Full moon  
2008/ 1/30 5:03 Last quater  
2008/ 2/ 7 3:44 New moon  
2008/ 2/14 3:33 First quarter  
2008/ 2/21 3:30 Full moon  
2008/ 2/29 2:18 Last quater  
2008/ 3/ 7 17:14 New moon  
2008/ 3/14 10:46 First quarter  
2008/ 3/21 18:40 Full moon  
2008/ 3/29 21:47 Last quater  
2008/ 4/ 6 3:55 New moon  
2008/ 4/12 18:32 First quarter  
2008/ 4/20 10:25 Full moon  
2008/ 4/28 14:12 Last quater  
2008/ 5/ 5 12:18 New moon  
2008/ 5/12 3:47 First quarter  
2008/ 5/20 2:11 Full moon  
2008/ 5/28 2:57 Last quater  
2008/ 6/ 3 19:23 New moon  
2008/ 6/10 15:04 First quarter  
2008/ 6/18 17:30 Full moon  
2008/ 6/26 12:10 Last quater  
2008/ 7/ 3 2:19 New moon  
2008/ 7/10 4:35 First quarter

2008/ 7/18	7:59	Full moon
2008/ 7/25	18:42	Last quater
2008/ 8/ 1	10:13	New moon
2008/ 8/ 8	20:20	First quarter
2008/ 8/16	21:16	Full moon
2008/ 8/23	23:50	Last quater
2008/ 8/30	19:58	New moon
2008/ 9/ 7	14:04	First quarter
2008/ 9/15	9:13	Full moon
2008/ 9/22	5:04	Last quater
2008/ 9/29	8:12	New moon
2008/10/ 7	9:04	First quarter
2008/10/14	20:02	Full moon
2008/10/21	11:55	Last quater
2008/10/28	23:14	New moon
2008/11/ 6	4:03	First quarter
2008/11/13	6:17	Full moon
2008/11/19	21:31	Last quater
2008/11/27	16:55	New moon
2008/12/ 5	21:26	First quarter
2008/12/12	16:37	Full moon
2008/12/19	10:29	Last quater
2008/12/27	12:22	New moon
2009/ 1/ 4	11:56	First quarter
2009/ 1/11	3:27	Full moon
2009/ 1/18	2:46	Last quater
2009/ 1/26	7:55	New moon
2009/ 2/ 2	23:13	First quarter
2009/ 2/ 9	14:49	Full moon
2009/ 2/16	21:37	Last quater
2009/ 2/25	1:35	New moon
2009/ 3/ 4	7:46	First quarter
2009/ 3/11	2:38	Full moon
2009/ 3/18	17:47	Last quater
2009/ 3/26	16:06	New moon
2009/ 4/ 2	14:34	First quarter
2009/ 4/ 9	14:56	Full moon
2009/ 4/17	13:36	Last quater
2009/ 4/25	3:23	New moon
2009/ 5/ 1	20:44	First quarter
2009/ 5/ 9	4:01	Full moon
2009/ 5/17	7:26	Last quater
2009/ 5/24	12:11	New moon
2009/ 5/31	3:22	First quarter
2009/ 6/ 7	18:12	Full moon
2009/ 6/15	22:15	Last quater
2009/ 6/22	19:35	New moon
2009/ 6/29	11:28	First quarter
2009/ 7/ 7	9:21	Full moon
2009/ 7/15	9:53	Last quater
2009/ 7/22	2:35	New moon
2009/ 7/28	22:00	First quarter
2009/ 8/ 6	0:55	Full moon
2009/ 8/13	18:55	Last quater
2009/ 8/20	10:02	New moon
2009/ 8/27	11:42	First quarter
2009/ 9/ 4	16:03	Full moon
2009/ 9/12	2:16	Last quater
2009/ 9/18	18:44	New moon
2009/ 9/26	4:50	First quarter
2009/10/ 4	6:10	Full moon
2009/10/11	8:56	Last quater
2009/10/18	5:33	New moon

2009/10/26	0:42	First quarter
2009/11/ 2	19:14	Full moon
2009/11/ 9	15:56	Last quater
2009/11/16	19:14	New moon
2009/11/24	21:39	First quarter
2009/12/ 2	7:30	Full moon
2009/12/ 9	0:13	Last quater
2009/12/16	12:02	New moon
2009/12/24	17:36	First quarter
2009/12/31	19:13	Full moon
2010/ 1/ 7	10:39	Last quater
2010/ 1/15	7:11	New moon
2010/ 1/23	10:53	First quarter
2010/ 1/30	6:18	Full moon
2010/ 2/ 5	23:48	Last quater
2010/ 2/14	2:51	New moon
2010/ 2/22	0:42	First quarter
2010/ 2/28	16:38	Full moon
2010/ 3/ 7	15:42	Last quater
2010/ 3/15	21:01	New moon
2010/ 3/23	11:00	First quarter
2010/ 3/30	2:25	Full moon
2010/ 4/ 6	9:37	Last quater
2010/ 4/14	12:29	New moon
2010/ 4/21	18:20	First quarter
2010/ 4/28	12:18	Full moon
2010/ 5/ 6	4:15	Last quater
2010/ 5/14	1:04	New moon
2010/ 5/20	23:43	First quarter
2010/ 5/27	23:07	Full moon
2010/ 6/ 4	22:13	Last quater
2010/ 6/12	11:15	New moon
2010/ 6/19	4:29	First quarter
2010/ 6/26	11:30	Full moon
2010/ 7/ 4	14:35	Last quater
2010/ 7/11	19:40	New moon
2010/ 7/18	10:10	First quarter
2010/ 7/26	1:36	Full moon
2010/ 8/ 3	4:59	Last quater
2010/ 8/10	3:08	New moon
2010/ 8/16	18:14	First quarter
2010/ 8/24	17:05	Full moon
2010/ 9/ 1	17:22	Last quater
2010/ 9/ 8	10:30	New moon
2010/ 9/15	5:50	First quarter
2010/ 9/23	9:17	Full moon
2010/10/ 1	3:52	Last quater
2010/10/ 7	18:44	New moon
2010/10/14	21:27	First quarter
2010/10/23	1:36	Full moon
2010/10/30	12:46	Last quater
2010/11/ 6	4:52	New moon
2010/11/13	16:39	First quarter
2010/11/21	17:27	Full moon
2010/11/28	20:36	Last quater
2010/12/ 5	17:36	New moon
2010/12/13	13:59	First quarter
2010/12/21	8:13	Full moon
2010/12/28	4:18	Last quater
2011/ 1/ 4	9:03	New moon
2011/ 1/12	11:31	First quarter
2011/ 1/19	21:21	Full moon
2011/ 1/26	12:57	Last quater



2011/ 2/ 3	2:31	New moon
2011/ 2/11	7:18	First quarter
2011/ 2/18	8:36	Full moon
2011/ 2/24	23:26	Last quater
2011/ 3/ 4	20:46	New moon
2011/ 3/12	23:45	First quarter
2011/ 3/19	18:10	Full moon
2011/ 3/26	12:07	Last quater
2011/ 4/ 3	14:32	New moon
2011/ 4/11	12:05	First quarter
2011/ 4/18	2:44	Full moon
2011/ 4/25	2:47	Last quater
2011/ 5/ 3	6:51	New moon
2011/ 5/10	20:33	First quarter
2011/ 5/17	11:09	Full moon
2011/ 5/24	18:52	Last quater
2011/ 6/ 1	21:03	New moon
2011/ 6/ 9	2:11	First quarter
2011/ 6/15	20:14	Full moon
2011/ 6/23	11:48	Last quater
2011/ 7/ 1	8:54	New moon
2011/ 7/ 8	6:29	First quarter
2011/ 7/15	6:40	Full moon
2011/ 7/23	5:02	Last quater
2011/ 7/30	18:40	New moon
2011/ 8/ 6	11:08	First quarter
2011/ 8/13	18:57	Full moon
2011/ 8/21	21:54	Last quater
2011/ 8/29	3:04	New moon
2011/ 9/ 4	17:39	First quarter
2011/ 9/12	9:27	Full moon
2011/ 9/20	13:39	Last quater
2011/ 9/27	11:09	New moon
2011/10/ 4	3:15	First quarter
2011/10/12	2:06	Full moon
2011/10/20	3:30	Last quater
2011/10/26	19:56	New moon
2011/11/ 2	16:38	First quarter
2011/11/10	20:16	Full moon
2011/11/18	15:09	Last quater
2011/11/25	6:10	New moon
2011/12/ 2	9:52	First quarter
2011/12/10	14:36	Full moon
2011/12/18	0:48	Last quater
2011/12/24	18:06	New moon
2012/ 1/ 1	6:15	First quarter
2012/ 1/ 9	7:30	Full moon
2012/ 1/16	9:08	Last quater
2012/ 1/23	7:39	New moon
2012/ 1/31	4:10	First quarter
2012/ 2/ 7	21:54	Full moon
2012/ 2/14	17:04	Last quater
2012/ 2/21	22:35	New moon
2012/ 3/ 1	1:21	First quarter
2012/ 3/ 8	9:39	Full moon
2012/ 3/15	1:25	Last quater
2012/ 3/22	14:37	New moon
2012/ 3/30	19:41	First quarter
2012/ 4/ 6	19:19	Full moon
2012/ 4/13	10:50	Last quater
2012/ 4/21	7:18	New moon
2012/ 4/29	9:57	First quarter
2012/ 5/ 6	3:35	Full moon

2012/ 5/12	21:47	Last quater
2012/ 5/20	23:47	New moon
2012/ 5/28	20:16	First quarter
2012/ 6/ 4	11:12	Full moon
2012/ 6/11	10:41	Last quater
2012/ 6/19	15:02	New moon
2012/ 6/27	3:30	First quarter
2012/ 7/ 3	18:52	Full moon
2012/ 7/11	1:48	Last quater
2012/ 7/19	4:24	New moon
2012/ 7/26	8:56	First quarter
2012/ 8/ 2	3:27	Full moon
2012/ 8/ 9	18:55	Last quater
2012/ 8/17	15:54	New moon
2012/ 8/24	13:54	First quarter
2012/ 8/31	13:58	Full moon
2012/ 9/ 8	13:15	Last quater
2012/ 9/16	2:11	New moon
2012/ 9/22	19:41	First quarter
2012/ 9/30	3:19	Full moon
2012/10/ 8	7:33	Last quater
2012/10/15	12:02	New moon
2012/10/22	3:32	First quarter
2012/10/29	19:49	Full moon
2012/11/ 7	0:36	Last quater
2012/11/13	22:08	New moon
2012/11/20	14:31	First quarter
2012/11/28	14:46	Full moon
2012/12/ 6	15:31	Last quater
2012/12/13	8:42	New moon
2012/12/20	5:19	First quarter
2012/12/28	10:21	Full moon
2013/ 1/ 5	3:58	Last quater
2013/ 1/11	19:44	New moon
2013/ 1/18	23:45	First quarter
2013/ 1/27	4:38	Full moon
2013/ 2/ 3	13:56	Last quater
2013/ 2/10	7:20	New moon
2013/ 2/17	20:31	First quarter
2013/ 2/25	20:26	Full moon
2013/ 3/ 4	21:53	Last quater
2013/ 3/11	19:51	New moon
2013/ 3/19	17:27	First quarter
2013/ 3/27	9:27	Full moon
2013/ 4/ 3	4:36	Last quater
2013/ 4/10	9:35	New moon
2013/ 4/18	12:31	First quarter
2013/ 4/25	19:57	Full moon
2013/ 5/ 2	11:14	Last quater
2013/ 5/10	0:28	New moon
2013/ 5/18	4:34	First quarter
2013/ 5/25	4:25	Full moon
2013/ 5/31	18:58	Last quater
2013/ 6/ 8	15:56	New moon
2013/ 6/16	17:24	First quarter
2013/ 6/23	11:32	Full moon
2013/ 6/30	4:53	Last quater
2013/ 7/ 8	7:14	New moon
2013/ 7/16	3:18	First quarter
2013/ 7/22	18:15	Full moon
2013/ 7/29	17:43	Last quater
2013/ 8/ 6	21:51	New moon
2013/ 8/14	10:56	First quarter

2013/ 8/21	1:45	Full moon
2013/ 8/28	9:35	Last quater
2013/ 9/ 5	11:36	New moon
2013/ 9/12	17:08	First quarter
2013/ 9/19	11:13	Full moon
2013/ 9/27	3:55	Last quater
2013/10/ 5	0:34	New moon
2013/10/11	23:02	First quarter
2013/10/18	23:38	Full moon
2013/10/26	23:40	Last quater
2013/11/ 3	12:50	New moon
2013/11/10	5:57	First quarter
2013/11/17	15:16	Full moon
2013/11/25	19:28	Last quater
2013/12/ 3	0:22	New moon
2013/12/ 9	15:12	First quarter
2013/12/17	9:28	Full moon
2013/12/25	13:48	Last quater
2014/ 1/ 1	11:14	New moon
2014/ 1/ 8	3:39	First quarter
2014/ 1/16	4:52	Full moon
2014/ 1/24	5:20	Last quater
2014/ 1/30	21:38	New moon
2014/ 2/ 6	19:22	First quarter
2014/ 2/14	23:53	Full moon
2014/ 2/22	17:15	Last quater
2014/ 3/ 1	8:00	New moon
2014/ 3/ 8	13:27	First quarter
2014/ 3/16	17:08	Full moon
2014/ 3/24	1:46	Last quater
2014/ 3/30	18:45	New moon
2014/ 4/ 7	8:31	First quarter
2014/ 4/15	7:42	Full moon
2014/ 4/22	7:52	Last quater
2014/ 4/29	6:14	New moon
2014/ 5/ 7	3:15	First quarter
2014/ 5/14	19:16	Full moon
2014/ 5/21	12:59	Last quater
2014/ 5/28	18:40	New moon
2014/ 6/ 5	20:39	First quarter
2014/ 6/13	4:11	Full moon
2014/ 6/19	18:39	Last quater
2014/ 6/27	8:08	New moon
2014/ 7/ 5	11:59	First quarter
2014/ 7/12	11:25	Full moon
2014/ 7/19	2:08	Last quater
2014/ 7/26	22:42	New moon
2014/ 8/ 4	0:50	First quarter
2014/ 8/10	18:09	Full moon
2014/ 8/17	12:26	Last quater
2014/ 8/25	14:13	New moon
2014/ 9/ 2	11:11	First quarter
2014/ 9/ 9	1:38	Full moon
2014/ 9/16	2:05	Last quater
2014/ 9/24	6:14	New moon
2014/10/ 1	19:32	First quarter
2014/10/ 8	10:51	Full moon
2014/10/15	19:12	Last quater
2014/10/23	21:57	New moon
2014/10/31	2:48	First quarter
2014/11/ 6	22:23	Full moon
2014/11/14	15:15	Last quater
2014/11/22	12:32	New moon

2014/11/29	10:06	First quarter
2014/12/ 6	12:27	Full moon
2014/12/14	12:51	Last quater
2014/12/22	1:36	New moon
2014/12/28	18:31	First quarter
2015/ 1/ 5	4:53	Full moon
2015/ 1/13	9:46	Last quater
2015/ 1/20	13:14	New moon
2015/ 1/27	4:48	First quarter
2015/ 2/ 3	23:09	Full moon
2015/ 2/12	3:50	Last quater
2015/ 2/18	23:47	New moon
2015/ 2/25	17:14	First quarter
2015/ 3/ 5	18:05	Full moon
2015/ 3/13	17:48	Last quater
2015/ 3/20	9:36	New moon
2015/ 3/27	7:43	First quarter
2015/ 4/ 4	12:05	Full moon
2015/ 4/12	3:44	Last quater
2015/ 4/18	18:57	New moon
2015/ 4/25	23:55	First quarter
2015/ 5/ 4	3:42	Full moon
2015/ 5/11	10:36	Last quater
2015/ 5/18	4:13	New moon
2015/ 5/25	17:19	First quarter
2015/ 6/ 2	16:19	Full moon
2015/ 6/ 9	15:42	Last quater
2015/ 6/16	14:05	New moon
2015/ 6/24	11:02	First quarter
2015/ 7/ 2	2:20	Full moon
2015/ 7/ 8	20:24	Last quater
2015/ 7/16	1:24	New moon
2015/ 7/24	4:04	First quarter
2015/ 7/31	10:43	Full moon
2015/ 8/ 7	2:03	Last quater
2015/ 8/14	14:53	New moon
2015/ 8/22	19:31	First quarter
2015/ 8/29	18:35	Full moon
2015/ 9/ 5	9:54	Last quater
2015/ 9/13	6:41	New moon
2015/ 9/21	8:59	First quarter
2015/ 9/28	2:50	Full moon
2015/10/ 4	21:06	Last quater
2015/10/13	0:06	New moon
2015/10/20	20:31	First quarter
2015/10/27	12:05	Full moon
2015/11/ 3	12:24	Last quater
2015/11/11	17:47	New moon
2015/11/19	6:27	First quarter
2015/11/25	22:44	Full moon
2015/12/ 3	7:40	Last quater
2015/12/11	10:29	New moon
2015/12/18	15:14	First quarter
2015/12/25	11:11	Full moon
2016/ 1/ 2	5:30	Last quater
2016/ 1/10	1:30	New moon
2016/ 1/16	23:26	First quarter
2016/ 1/24	1:46	Full moon
2016/ 2/ 1	3:28	Last quater
2016/ 2/ 8	14:39	New moon
2016/ 2/15	7:46	First quarter
2016/ 2/22	18:20	Full moon
2016/ 3/ 1	23:11	Last quater

2016/ 3/ 9	1:54	New moon
2016/ 3/15	17:03	First quarter
2016/ 3/23	12:01	Full moon
2016/ 3/31	15:17	Last quater
2016/ 4/ 7	11:24	New moon
2016/ 4/14	3:59	First quarter
2016/ 4/22	5:24	Full moon
2016/ 4/30	3:29	Last quater
2016/ 5/ 6	19:29	New moon
2016/ 5/13	17:02	First quarter
2016/ 5/21	21:14	Full moon
2016/ 5/29	12:12	Last quater
2016/ 6/ 5	2:59	New moon
2016/ 6/12	8:10	First quarter
2016/ 6/20	11:02	Full moon
2016/ 6/27	18:19	Last quater
2016/ 7/ 4	11:01	New moon
2016/ 7/12	0:52	First quarter
2016/ 7/19	22:56	Full moon
2016/ 7/26	23:00	Last quater
2016/ 8/ 2	20:44	New moon
2016/ 8/10	18:21	First quarter
2016/ 8/18	9:26	Full moon
2016/ 8/25	3:41	Last quater
2016/ 9/ 1	9:03	New moon
2016/ 9/ 9	11:49	First quarter
2016/ 9/16	19:05	Full moon
2016/ 9/23	9:56	Last quater
2016/10/ 1	0:11	New moon
2016/10/ 9	4:33	First quarter
2016/10/16	4:23	Full moon
2016/10/22	19:14	Last quater
2016/10/30	17:38	New moon
2016/11/ 7	19:51	First quarter
2016/11/14	13:52	Full moon
2016/11/21	8:33	Last quater
2016/11/29	12:18	New moon
2016/12/ 7	9:03	First quarter
2016/12/14	0:05	Full moon
2016/12/21	1:56	Last quater
2016/12/29	6:53	New moon
2017/ 1/ 5	19:47	First quarter
2017/ 1/12	11:34	Full moon
2017/ 1/19	22:13	Last quater
2017/ 1/28	0:07	New moon
2017/ 2/ 4	4:19	First quarter
2017/ 2/11	0:33	Full moon
2017/ 2/18	19:33	Last quater
2017/ 2/26	14:58	New moon
2017/ 3/ 5	11:32	First quarter
2017/ 3/12	14:54	Full moon
2017/ 3/20	15:58	Last quater
2017/ 3/28	2:57	New moon
2017/ 4/ 3	18:39	First quarter
2017/ 4/11	6:08	Full moon
2017/ 4/19	9:57	Last quater
2017/ 4/26	12:16	New moon
2017/ 5/ 3	2:47	First quarter
2017/ 5/10	21:42	Full moon
2017/ 5/19	0:33	Last quater
2017/ 5/25	19:44	New moon
2017/ 6/ 1	12:42	First quarter
2017/ 6/ 9	13:10	Full moon

2017/ 6/17	11:33	Last quater
2017/ 6/24	2:31	New moon
2017/ 7/ 1	0:51	First quarter
2017/ 7/ 9	4:06	Full moon
2017/ 7/16	19:26	Last quater
2017/ 7/23	9:45	New moon
2017/ 7/30	15:23	First quarter
2017/ 8/ 7	18:11	Full moon
2017/ 8/15	1:15	Last quater
2017/ 8/21	18:30	New moon
2017/ 8/29	8:13	First quarter
2017/ 9/ 6	7:03	Full moon
2017/ 9/13	6:25	Last quater
2017/ 9/20	5:30	New moon
2017/ 9/28	2:53	First quarter
2017/10/ 5	18:40	Full moon
2017/10/12	12:25	Last quater
2017/10/19	19:12	New moon
2017/10/27	22:22	First quarter
2017/11/ 4	5:23	Full moon
2017/11/10	20:36	Last quater
2017/11/18	11:42	New moon
2017/11/26	17:03	First quarter
2017/12/ 3	15:47	Full moon
2017/12/10	7:51	Last quater
2017/12/18	6:30	New moon
2017/12/26	9:20	First quarter
2018/ 1/ 2	2:24	Full moon
2018/ 1/ 8	22:25	Last quater
2018/ 1/17	2:17	New moon
2018/ 1/24	22:20	First quarter
2018/ 1/31	13:27	Full moon
2018/ 2/ 7	15:54	Last quater
2018/ 2/15	21:05	New moon
2018/ 2/23	8:09	First quarter
2018/ 3/ 2	0:51	Full moon
2018/ 3/ 9	11:20	Last quater
2018/ 3/17	13:11	New moon
2018/ 3/24	15:35	First quarter
2018/ 3/31	12:37	Full moon
2018/ 4/ 8	7:17	Last quater
2018/ 4/16	1:57	New moon
2018/ 4/22	21:45	First quarter
2018/ 4/30	0:58	Full moon
2018/ 5/ 8	2:09	Last quater
2018/ 5/15	11:48	New moon
2018/ 5/22	3:49	First quarter
2018/ 5/29	14:19	Full moon
2018/ 6/ 6	18:32	Last quater
2018/ 6/13	19:43	New moon
2018/ 6/20	10:51	First quarter
2018/ 6/28	4:53	Full moon
2018/ 7/ 6	7:51	Last quater
2018/ 7/13	2:48	New moon
2018/ 7/19	19:52	First quarter
2018/ 7/27	20:20	Full moon
2018/ 8/ 4	18:18	Last quater
2018/ 8/11	9:58	New moon
2018/ 8/18	7:48	First quarter
2018/ 8/26	11:56	Full moon
2018/ 9/ 3	2:37	Last quater
2018/ 9/ 9	18:01	New moon
2018/ 9/16	23:15	First quarter

2018/ 9/25	2:52	Full moon
2018/10/ 2	9:45	Last quater
2018/10/ 9	3:47	New moon
2018/10/16	18:02	First quarter
2018/10/24	16:45	Full moon
2018/10/31	16:40	Last quater
2018/11/ 7	16:02	New moon
2018/11/15	14:54	First quarter
2018/11/23	5:39	Full moon
2018/11/30	0:19	Last quater
2018/12/ 7	7:20	New moon
2018/12/15	11:49	First quarter
2018/12/22	17:48	Full moon
2018/12/29	9:34	Last quater
2019/ 1/ 6	1:28	New moon
2019/ 1/14	6:45	First quarter
2019/ 1/21	5:16	Full moon
2019/ 1/27	21:10	Last quater
2019/ 2/ 4	21:03	New moon
2019/ 2/12	22:26	First quarter
2019/ 2/19	15:53	Full moon
2019/ 2/26	11:28	Last quater
2019/ 3/ 6	16:04	New moon
2019/ 3/14	10:27	First quarter
2019/ 3/21	1:43	Full moon
2019/ 3/28	4:10	Last quater
2019/ 4/ 5	8:50	New moon
2019/ 4/12	19:06	First quarter
2019/ 4/19	11:12	Full moon
2019/ 4/26	22:18	Last quater
2019/ 5/ 4	22:45	New moon
2019/ 5/12	1:12	First quarter
2019/ 5/18	21:11	Full moon
2019/ 5/26	16:33	Last quater
2019/ 6/ 3	10:02	New moon
2019/ 6/10	5:59	First quarter
2019/ 6/17	8:31	Full moon
2019/ 6/25	9:46	Last quater
2019/ 7/ 2	19:16	New moon
2019/ 7/ 9	10:55	First quarter
2019/ 7/16	21:38	Full moon
2019/ 7/25	1:18	Last quater
2019/ 8/ 1	3:12	New moon
2019/ 8/ 7	17:31	First quarter
2019/ 8/15	12:29	Full moon
2019/ 8/23	14:56	Last quater
2019/ 8/30	10:37	New moon
2019/ 9/ 6	3:10	First quarter
2019/ 9/14	4:33	Full moon
2019/ 9/22	2:41	Last quater
2019/ 9/28	18:26	New moon
2019/10/ 5	16:47	First quarter
2019/10/13	21:08	Full moon
2019/10/21	12:39	Last quater
2019/10/28	3:38	New moon
2019/11/ 4	10:23	First quarter
2019/11/12	13:34	Full moon
2019/11/19	21:11	Last quater
2019/11/26	15:05	New moon
2019/12/ 4	6:58	First quarter
2019/12/12	5:12	Full moon
2019/12/19	4:57	Last quater
2019/12/26	5:13	New moon

2020/ 1/ 3	4:45	First quarter
2020/ 1/10	19:21	Full moon
2020/ 1/17	12:58	Last quater
2020/ 1/24	21:42	New moon
2020/ 2/ 2	1:42	First quarter
2020/ 2/ 9	7:33	Full moon
2020/ 2/15	22:17	Last quater
2020/ 2/23	15:32	New moon
2020/ 3/ 2	19:57	First quarter
2020/ 3/ 9	17:48	Full moon
2020/ 3/16	9:34	Last quater
2020/ 3/24	9:28	New moon
2020/ 4/ 1	10:21	First quarter
2020/ 4/ 8	2:35	Full moon
2020/ 4/14	22:56	Last quater
2020/ 4/23	2:26	New moon
2020/ 4/30	20:38	First quarter
2020/ 5/ 7	10:45	Full moon
2020/ 5/14	14:03	Last quater
2020/ 5/22	17:39	New moon
2020/ 5/30	3:30	First quarter
2020/ 6/ 5	19:12	Full moon
2020/ 6/13	6:24	Last quater
2020/ 6/21	6:41	New moon
2020/ 6/28	8:16	First quarter
2020/ 7/ 5	4:44	Full moon
2020/ 7/12	23:29	Last quater
2020/ 7/20	17:33	New moon
2020/ 7/27	12:32	First quarter
2020/ 8/ 3	15:59	Full moon
2020/ 8/11	16:45	Last quater
2020/ 8/19	2:42	New moon
2020/ 8/25	17:58	First quarter
2020/ 9/ 2	5:22	Full moon
2020/ 9/10	9:26	Last quater
2020/ 9/17	11:00	New moon
2020/ 9/24	1:55	First quarter
2020/10/ 1	21:05	Full moon
2020/10/10	0:39	Last quater
2020/10/16	19:31	New moon
2020/10/23	13:23	First quarter
2020/10/31	14:49	Full moon
2020/11/ 8	13:46	Last quater
2020/11/15	5:07	New moon
2020/11/22	4:45	First quarter
2020/11/30	9:30	Full moon
2020/12/ 8	0:36	Last quater
2020/12/14	16:16	New moon
2020/12/21	23:41	First quarter
2020/12/30	3:28	Full moon
2021/ 1/ 6	9:37	Last quater
2021/ 1/13	5:00	New moon
2021/ 1/20	21:01	First quarter
2021/ 1/28	19:16	Full moon
2021/ 2/ 4	17:37	Last quater
2021/ 2/11	19:06	New moon
2021/ 2/19	18:47	First quarter
2021/ 2/27	8:17	Full moon
2021/ 3/ 6	1:30	Last quater
2021/ 3/13	10:21	New moon
2021/ 3/21	14:40	First quarter
2021/ 3/28	18:48	Full moon
2021/ 4/ 4	10:02	Last quater



2021/ 4/12	2:31	New moon
2021/ 4/20	6:59	First quarter
2021/ 4/27	3:31	Full moon
2021/ 5/ 3	19:50	Last quater
2021/ 5/11	19:00	New moon
2021/ 5/19	19:13	First quarter
2021/ 5/26	11:14	Full moon
2021/ 6/ 2	7:24	Last quater
2021/ 6/10	10:53	New moon
2021/ 6/18	3:54	First quarter
2021/ 6/24	18:40	Full moon
2021/ 7/ 1	21:11	Last quater
2021/ 7/10	1:16	New moon
2021/ 7/17	10:11	First quarter
2021/ 7/24	2:37	Full moon
2021/ 7/31	13:16	Last quater
2021/ 8/ 8	13:50	New moon
2021/ 8/15	15:19	First quarter
2021/ 8/22	12:02	Full moon
2021/ 8/30	7:13	Last quater
2021/ 9/ 7	0:52	New moon
2021/ 9/13	20:39	First quarter
2021/ 9/20	23:55	Full moon
2021/ 9/29	1:57	Last quater
2021/10/ 6	11:05	New moon
2021/10/13	3:25	First quarter
2021/10/20	14:57	Full moon
2021/10/28	20:05	Last quater
2021/11/ 4	21:14	New moon
2021/11/11	12:46	First quarter
2021/11/19	8:57	Full moon
2021/11/27	12:28	Last quater
2021/12/ 4	7:43	New moon
2021/12/11	1:35	First quarter
2021/12/19	4:35	Full moon
2021/12/27	2:24	Last quater
2022/ 1/ 2	18:33	New moon
2022/ 1/ 9	18:11	First quarter
2022/ 1/17	23:48	Full moon
2022/ 1/25	13:41	Last quater
2022/ 2/ 1	5:46	New moon
2022/ 2/ 8	13:50	First quarter
2022/ 2/16	16:56	Full moon
2022/ 2/23	22:32	Last quater
2022/ 3/ 2	17:35	New moon
2022/ 3/10	10:45	First quarter
2022/ 3/18	7:17	Full moon
2022/ 3/25	5:37	Last quater
2022/ 4/ 1	6:24	New moon
2022/ 4/ 9	6:48	First quarter
2022/ 4/16	18:55	Full moon
2022/ 4/23	11:56	Last quater
2022/ 4/30	20:28	New moon
2022/ 5/ 9	0:21	First quarter
2022/ 5/16	4:14	Full moon
2022/ 5/22	18:43	Last quater
2022/ 5/30	11:30	New moon
2022/ 6/ 7	14:48	First quarter
2022/ 6/14	11:52	Full moon
2022/ 6/21	3:11	Last quater
2022/ 6/29	2:52	New moon
2022/ 7/ 7	2:14	First quarter
2022/ 7/13	18:38	Full moon

2022/ 7/20	14:18	Last quater
2022/ 7/28	17:55	New moon
2022/ 8/ 5	11:06	First quarter
2022/ 8/12	1:36	Full moon
2022/ 8/19	4:36	Last quater
2022/ 8/27	8:17	New moon
2022/ 9/ 3	18:08	First quarter
2022/ 9/10	9:59	Full moon
2022/ 9/17	21:52	Last quater
2022/ 9/25	21:54	New moon
2022/10/ 3	0:14	First quarter
2022/10/ 9	20:55	Full moon
2022/10/17	17:15	Last quater
2022/10/25	10:49	New moon
2022/11/ 1	6:37	First quarter
2022/11/ 8	11:02	Full moon
2022/11/16	13:27	Last quater
2022/11/23	22:57	New moon
2022/11/30	14:36	First quarter
2022/12/ 8	4:08	Full moon
2022/12/16	8:56	Last quater
2022/12/23	10:17	New moon
2022/12/30	1:20	First quarter
2023/ 1/ 6	23:08	Full moon
2023/ 1/15	2:10	Last quater
2023/ 1/21	20:53	New moon
2023/ 1/28	15:19	First quarter
2023/ 2/ 5	18:28	Full moon
2023/ 2/13	16:01	Last quater
2023/ 2/20	7:06	New moon
2023/ 2/27	8:05	First quarter
2023/ 3/ 7	12:40	Full moon
2023/ 3/15	2:08	Last quater
2023/ 3/21	17:23	New moon
2023/ 3/29	2:32	First quarter
2023/ 4/ 6	4:34	Full moon
2023/ 4/13	9:11	Last quater
2023/ 4/20	4:12	New moon
2023/ 4/27	21:20	First quarter
2023/ 5/ 5	17:34	Full moon
2023/ 5/12	14:28	Last quater
2023/ 5/19	15:53	New moon
2023/ 5/27	15:22	First quarter
2023/ 6/ 4	3:42	Full moon
2023/ 6/10	19:31	Last quater
2023/ 6/18	4:37	New moon
2023/ 6/26	7:50	First quarter
2023/ 7/ 3	11:39	Full moon
2023/ 7/10	1:48	Last quater
2023/ 7/17	18:32	New moon
2023/ 7/25	22:07	First quarter
2023/ 8/ 1	18:32	Full moon
2023/ 8/ 8	10:28	Last quater
2023/ 8/16	9:38	New moon
2023/ 8/24	9:57	First quarter
2023/ 8/31	1:35	Full moon
2023/ 9/ 6	22:21	Last quater
2023/ 9/15	1:40	New moon
2023/ 9/22	19:32	First quarter
2023/ 9/29	9:57	Full moon
2023/10/ 6	13:48	Last quater
2023/10/14	17:55	New moon
2023/10/22	3:29	First quarter

2023/10/28	20:24	Full moon
2023/11/ 5	8:37	Last quater
2023/11/13	9:27	New moon
2023/11/20	10:50	First quarter
2023/11/27	9:16	Full moon
2023/12/ 5	5:49	Last quater
2023/12/12	23:32	New moon
2023/12/19	18:39	First quarter
2023/12/27	0:33	Full moon
2024/ 1/ 4	3:30	Last quater
2024/ 1/11	11:57	New moon
2024/ 1/18	3:52	First quarter
2024/ 1/25	17:54	Full moon
2024/ 2/ 2	23:18	Last quater
2024/ 2/ 9	22:59	New moon
2024/ 2/16	15:01	First quarter
2024/ 2/24	12:30	Full moon
2024/ 3/ 3	15:23	Last quater
2024/ 3/10	9:00	New moon
2024/ 3/17	4:11	First quarter
2024/ 3/25	7:00	Full moon
2024/ 4/ 2	3:15	Last quater
2024/ 4/ 8	18:21	New moon
2024/ 4/15	19:13	First quarter
2024/ 4/23	23:49	Full moon
2024/ 5/ 1	11:27	Last quater
2024/ 5/ 8	3:22	New moon
2024/ 5/15	11:48	First quarter
2024/ 5/23	13:53	Full moon
2024/ 5/30	17:13	Last quater
2024/ 6/ 6	12:38	New moon
2024/ 6/14	5:18	First quarter
2024/ 6/22	1:08	Full moon
2024/ 6/28	21:53	Last quater
2024/ 7/ 5	22:57	New moon
2024/ 7/13	22:49	First quarter
2024/ 7/21	10:17	Full moon
2024/ 7/28	2:51	Last quater
2024/ 8/ 4	11:13	New moon
2024/ 8/12	15:19	First quarter
2024/ 8/19	18:26	Full moon
2024/ 8/26	9:26	Last quater
2024/ 9/ 3	1:55	New moon
2024/ 9/11	6:05	First quarter
2024/ 9/18	2:34	Full moon
2024/ 9/24	18:50	Last quater
2024/10/ 2	18:49	New moon
2024/10/10	18:55	First quarter
2024/10/17	11:26	Full moon
2024/10/24	8:03	Last quater
2024/11/ 1	12:47	New moon
2024/11/ 9	5:55	First quarter
2024/11/15	21:28	Full moon
2024/11/23	1:28	Last quater
2024/12/ 1	6:21	New moon
2024/12/ 8	15:26	First quarter
2024/12/15	9:02	Full moon
2024/12/22	22:18	Last quater
2024/12/30	22:27	New moon
2025/ 1/ 6	23:56	First quarter
2025/ 1/13	22:27	Full moon
2025/ 1/21	20:31	Last quater
2025/ 1/29	12:36	New moon

2025/ 2/ 5 8:02 First quarter  
2025/ 2/12 13:53 Full moon  
2025/ 2/20 17:32 Last quater  
2025/ 2/28 0:45 New moon  
2025/ 3/ 6 16:31 First quarter  
2025/ 3/14 6:54 Full moon  
2025/ 3/22 11:29 Last quater  
2025/ 3/29 10:58 New moon  
2025/ 4/ 5 2:15 First quarter  
2025/ 4/13 0:22 Full moon  
2025/ 4/21 1:35 Last quater  
2025/ 4/27 19:31 New moon  
2025/ 5/ 4 13:52 First quarter  
2025/ 5/12 16:56 Full moon  
2025/ 5/20 11:59 Last quater  
2025/ 5/27 3:02 New moon  
2025/ 6/ 3 3:41 First quarter  
2025/ 6/11 7:44 Full moon  
2025/ 6/18 19:19 Last quater  
2025/ 6/25 10:31 New moon  
2025/ 7/ 2 19:30 First quarter  
2025/ 7/10 20:37 Full moon  
2025/ 7/18 0:37 Last quater  
2025/ 7/24 19:11 New moon  
2025/ 8/ 1 12:41 First quarter  
2025/ 8/ 9 7:55 Full moon  
2025/ 8/16 5:12 Last quater  
2025/ 8/23 6:06 New moon  
2025/ 8/31 6:25 First quarter  
2025/ 9/ 7 18:09 Full moon  
2025/ 9/14 10:33 Last quater  
2025/ 9/21 19:54 New moon  
2025/ 9/29 23:54 First quarter  
2025/10/ 7 3:47 Full moon  
2025/10/13 18:13 Last quater  
2025/10/21 12:25 New moon  
2025/10/29 16:21 First quarter  
2025/11/ 5 13:19 Full moon  
2025/11/12 5:28 Last quater  
2025/11/20 6:47 New moon  
2025/11/28 6:59 First quarter  
2025/12/ 4 23:14 Full moon  
2025/12/11 20:52 Last quater  
2025/12/20 1:43 New moon  
2025/12/27 19:10 First quarter  
2026/ 1/ 3 10:03 Full moon  
2026/ 1/10 15:48 Last quater  
2026/ 1/18 19:52 New moon  
2026/ 1/26 4:47 First quarter  
2026/ 2/ 1 22:09 Full moon  
2026/ 2/ 9 12:43 Last quater  
2026/ 2/17 12:01 New moon  
2026/ 2/24 12:27 First quarter  
2026/ 3/ 3 11:38 Full moon  
2026/ 3/11 9:38 Last quater  
2026/ 3/19 1:23 New moon  
2026/ 3/25 19:18 First quarter  
2026/ 4/ 2 2:12 Full moon  
2026/ 4/10 4:51 Last quater  
2026/ 4/17 11:52 New moon  
2026/ 4/24 2:32 First quarter  
2026/ 5/ 1 17:23 Full moon  
2026/ 5/ 9 21:10 Last quater

2026/ 5/16	20:01	New moon
2026/ 5/23	11:11	First quarter
2026/ 5/31	8:45	Full moon
2026/ 6/ 8	10:00	Last quater
2026/ 6/15	2:54	New moon
2026/ 6/21	21:55	First quarter
2026/ 6/29	23:57	Full moon
2026/ 7/ 7	19:29	Last quater
2026/ 7/14	9:43	New moon
2026/ 7/21	11:05	First quarter
2026/ 7/29	14:36	Full moon
2026/ 8/ 6	2:21	Last quater
2026/ 8/12	17:37	New moon
2026/ 8/20	2:46	First quarter
2026/ 8/28	4:18	Full moon
2026/ 9/ 4	7:51	Last quater
2026/ 9/11	3:27	New moon
2026/ 9/18	20:44	First quarter
2026/ 9/26	16:49	Full moon
2026/10/ 3	13:25	Last quater
2026/10/10	15:50	New moon
2026/10/18	16:12	First quarter
2026/10/26	4:12	Full moon
2026/11/ 1	20:28	Last quater
2026/11/ 9	7:02	New moon
2026/11/17	11:48	First quarter
2026/11/24	14:53	Full moon
2026/12/ 1	6:08	Last quater
2026/12/ 9	0:52	New moon
2026/12/17	5:42	First quarter
2026/12/24	1:28	Full moon
2026/12/30	18:59	Last quater
2027/ 1/ 7	20:24	New moon
2027/ 1/15	20:34	First quarter
2027/ 1/22	12:17	Full moon
2027/ 1/29	10:55	Last quater
2027/ 2/ 6	15:56	New moon
2027/ 2/14	7:58	First quarter
2027/ 2/20	23:23	Full moon
2027/ 2/28	5:16	Last quater
2027/ 3/ 8	9:29	New moon
2027/ 3/15	16:25	First quarter
2027/ 3/22	10:44	Full moon
2027/ 3/30	0:54	Last quater
2027/ 4/ 6	23:51	New moon
2027/ 4/13	22:56	First quarter
2027/ 4/20	22:27	Full moon
2027/ 4/28	20:18	Last quater
2027/ 5/ 6	10:58	New moon
2027/ 5/13	4:44	First quarter
2027/ 5/20	10:59	Full moon
2027/ 5/28	13:58	Last quater
2027/ 6/ 4	19:40	New moon
2027/ 6/11	10:56	First quarter
2027/ 6/19	0:44	Full moon
2027/ 6/27	4:54	Last quater
2027/ 7/ 4	3:02	New moon
2027/ 7/10	18:39	First quarter
2027/ 7/18	15:45	Full moon
2027/ 7/26	16:55	Last quater
2027/ 8/ 2	10:05	New moon
2027/ 8/ 9	4:54	First quarter
2027/ 8/17	7:29	Full moon

2027/ 8/25	2:27	Last quater
2027/ 8/31	17:41	New moon
2027/ 9/ 7	18:31	First quarter
2027/ 9/15	23:03	Full moon
2027/ 9/23	10:20	Last quater
2027/ 9/30	2:36	New moon
2027/10/ 7	11:47	First quarter
2027/10/15	13:47	Full moon
2027/10/22	17:29	Last quater
2027/10/29	13:36	New moon
2027/11/ 6	8:00	First quarter
2027/11/14	3:26	Full moon
2027/11/21	0:48	Last quater
2027/11/28	3:24	New moon
2027/12/ 6	5:22	First quarter
2027/12/13	16:09	Full moon
2027/12/20	9:11	Last quater
2027/12/27	20:12	New moon
2028/ 1/ 5	1:40	First quarter
2028/ 1/12	4:03	Full moon
2028/ 1/18	19:26	Last quater
2028/ 1/26	15:12	New moon
2028/ 2/ 3	19:10	First quarter
2028/ 2/10	15:04	Full moon
2028/ 2/17	8:08	Last quater
2028/ 2/25	10:37	New moon
2028/ 3/ 4	9:02	First quarter
2028/ 3/11	1:06	Full moon
2028/ 3/17	23:23	Last quater
2028/ 3/26	4:31	New moon
2028/ 4/ 2	19:15	First quarter
2028/ 4/ 9	10:26	Full moon
2028/ 4/16	16:37	Last quater
2028/ 4/24	19:47	New moon
2028/ 5/ 2	2:26	First quarter
2028/ 5/ 8	19:49	Full moon
2028/ 5/16	10:43	Last quater
2028/ 5/24	8:16	New moon
2028/ 5/31	7:36	First quarter
2028/ 6/ 7	6:09	Full moon
2028/ 6/15	4:27	Last quater
2028/ 6/22	18:27	New moon
2028/ 6/29	12:10	First quarter
2028/ 7/ 6	18:11	Full moon
2028/ 7/14	20:56	Last quater
2028/ 7/22	3:02	New moon
2028/ 7/28	17:40	First quarter
2028/ 8/ 5	8:10	Full moon
2028/ 8/13	11:45	Last quater
2028/ 8/20	10:44	New moon
2028/ 8/27	1:36	First quarter
2028/ 9/ 3	23:47	Full moon
2028/ 9/12	0:46	Last quater
2028/ 9/18	18:24	New moon
2028/ 9/25	13:10	First quarter
2028/10/ 3	16:25	Full moon
2028/10/11	11:57	Last quater
2028/10/18	2:57	New moon
2028/10/25	4:53	First quarter
2028/11/ 2	9:17	Full moon
2028/11/ 9	21:26	Last quater
2028/11/16	13:18	New moon
2028/11/24	0:14	First quarter

2028/12/ 2	1:40	Full moon
2028/12/ 9	5:39	Last quater
2028/12/16	2:06	New moon
2028/12/23	21:45	First quarter
2028/12/31	16:48	Full moon
2029/ 1/ 7	13:26	Last quater
2029/ 1/14	17:24	New moon
2029/ 1/22	19:23	First quarter
2029/ 1/30	6:03	Full moon
2029/ 2/ 5	21:52	Last quater
2029/ 2/13	10:31	New moon
2029/ 2/21	15:10	First quarter
2029/ 2/28	17:10	Full moon
2029/ 3/ 7	7:51	Last quater
2029/ 3/15	4:19	New moon
2029/ 3/23	7:33	First quarter
2029/ 3/30	2:26	Full moon
2029/ 4/ 5	19:51	Last quater
2029/ 4/13	21:40	New moon
2029/ 4/21	19:50	First quarter
2029/ 4/28	10:37	Full moon
2029/ 5/ 5	9:48	Last quater
2029/ 5/13	13:42	New moon
2029/ 5/21	4:16	First quarter
2029/ 5/27	18:37	Full moon
2029/ 6/ 4	1:19	Last quater
2029/ 6/12	3:50	New moon
2029/ 6/19	9:54	First quarter
2029/ 6/26	3:22	Full moon
2029/ 7/ 3	17:57	Last quater
2029/ 7/11	15:51	New moon
2029/ 7/18	14:14	First quarter
2029/ 7/25	13:36	Full moon
2029/ 8/ 2	11:15	Last quater
2029/ 8/10	1:56	New moon
2029/ 8/16	18:55	First quarter
2029/ 8/24	1:51	Full moon
2029/ 9/ 1	4:33	Last quater
2029/ 9/ 8	10:44	New moon
2029/ 9/15	1:29	First quarter
2029/ 9/22	16:29	Full moon
2029/ 9/30	20:57	Last quater
2029/10/ 7	19:14	New moon
2029/10/14	11:09	First quarter
2029/10/22	9:27	Full moon
2029/10/30	11:32	Last quater
2029/11/ 6	4:24	New moon
2029/11/13	0:35	First quarter
2029/11/21	4:03	Full moon
2029/11/28	23:48	Last quater
2029/12/ 5	14:52	New moon
2029/12/12	17:49	First quarter
2029/12/20	22:46	Full moon
2029/12/28	9:49	Last quater
2030/ 1/ 4	2:49	New moon
2030/ 1/11	14:06	First quarter
2030/ 1/19	15:54	Full moon
2030/ 1/26	18:14	Last quater
2030/ 2/ 2	16:07	New moon
2030/ 2/10	11:49	First quarter
2030/ 2/18	6:20	Full moon
2030/ 2/25	1:57	Last quater
2030/ 3/ 4	6:34	New moon

2030/ 3/12	8:47	First quarter
2030/ 3/19	17:56	Full moon
2030/ 3/26	9:51	Last quater
2030/ 4/ 2	22:02	New moon
2030/ 4/11	2:57	First quarter
2030/ 4/18	3:20	Full moon
2030/ 4/24	18:39	Last quater
2030/ 5/ 2	14:12	New moon
2030/ 5/10	17:11	First quarter
2030/ 5/17	11:19	Full moon
2030/ 5/24	4:57	Last quater
2030/ 6/ 1	6:21	New moon
2030/ 6/ 9	3:36	First quarter
2030/ 6/15	18:41	Full moon
2030/ 6/22	17:19	Last quater
2030/ 6/30	21:34	New moon
2030/ 7/ 8	11:02	First quarter
2030/ 7/15	2:12	Full moon
2030/ 7/22	8:07	Last quater
2030/ 7/30	11:11	New moon
2030/ 8/ 6	16:42	First quarter
2030/ 8/13	10:44	Full moon
2030/ 8/21	1:15	Last quater
2030/ 8/28	23:07	New moon
2030/ 9/ 4	21:55	First quarter
2030/ 9/11	21:18	Full moon
2030/ 9/19	19:56	Last quater
2030/ 9/27	9:54	New moon
2030/10/ 4	3:56	First quarter
2030/10/11	10:47	Full moon
2030/10/19	14:50	Last quater
2030/10/26	20:17	New moon
2030/11/ 2	11:56	First quarter
2030/11/10	3:30	Full moon
2030/11/18	8:32	Last quater
2030/11/25	6:46	New moon
2030/12/ 1	22:57	First quarter
2030/12/ 9	22:40	Full moon
2030/12/18	0:01	Last quater
2030/12/24	17:32	New moon
2030/12/31	13:36	First quarter
2031/ 1/ 8	18:26	Full moon
2031/ 1/16	12:47	Last quater
2031/ 1/23	4:31	New moon
2031/ 1/30	7:43	First quarter
2031/ 2/ 7	12:46	Full moon
2031/ 2/14	22:50	Last quater
2031/ 2/21	15:49	New moon
2031/ 3/ 1	4:02	First quarter
2031/ 3/ 9	4:29	Full moon
2031/ 3/16	6:36	Last quater
2031/ 3/23	3:49	New moon
2031/ 3/31	0:32	First quarter
2031/ 4/ 7	17:21	Full moon
2031/ 4/14	12:58	Last quater
2031/ 4/21	16:57	New moon
2031/ 4/29	19:19	First quarter
2031/ 5/ 7	3:40	Full moon
2031/ 5/13	19:07	Last quater
2031/ 5/21	7:17	New moon
2031/ 5/29	11:19	First quarter
2031/ 6/ 5	11:58	Full moon
2031/ 6/12	2:20	Last quater



2031/ 6/19	22:24	New moon
2031/ 6/28	0:19	First quarter
2031/ 7/ 4	19:01	Full moon
2031/ 7/11	11:50	Last quater
2031/ 7/19	13:40	New moon
2031/ 7/27	10:35	First quarter
2031/ 8/ 3	1:45	Full moon
2031/ 8/10	0:23	Last quater
2031/ 8/18	4:32	New moon
2031/ 8/25	18:39	First quarter
2031/ 9/ 1	9:20	Full moon
2031/ 9/ 8	16:14	Last quater
2031/ 9/16	18:47	New moon
2031/ 9/24	1:20	First quarter
2031/ 9/30	18:58	Full moon
2031/10/ 8	10:50	Last quater
2031/10/16	8:20	New moon
2031/10/23	7:36	First quarter
2031/10/30	7:32	Full moon
2031/11/ 7	7:02	Last quater
2031/11/14	21:09	New moon
2031/11/21	14:45	First quarter
2031/11/28	23:18	Full moon
2031/12/ 7	3:19	Last quater
2031/12/14	9:06	New moon
2031/12/21	0:00	First quarter
2031/12/28	17:33	Full moon
2032/ 1/ 5	22:04	Last quater
2032/ 1/12	20:06	New moon
2032/ 1/19	12:14	First quarter
2032/ 1/27	12:52	Full moon
2032/ 2/ 4	13:49	Last quater
2032/ 2/11	6:24	New moon
2032/ 2/18	3:29	First quarter
2032/ 2/26	7:43	Full moon
2032/ 3/ 5	1:47	Last quater
2032/ 3/11	16:24	New moon
2032/ 3/18	20:56	First quarter
2032/ 3/27	0:46	Full moon
2032/ 4/ 3	10:10	Last quater
2032/ 4/10	2:39	New moon
2032/ 4/17	15:24	First quarter
2032/ 4/25	15:09	Full moon
2032/ 5/ 2	16:02	Last quater
2032/ 5/ 9	13:35	New moon
2032/ 5/17	9:43	First quarter
2032/ 5/25	2:37	Full moon
2032/ 5/31	20:51	Last quater
2032/ 6/ 8	1:32	New moon
2032/ 6/16	3:00	First quarter
2032/ 6/23	11:32	Full moon
2032/ 6/30	2:12	Last quater
2032/ 7/ 7	14:41	New moon
2032/ 7/15	18:32	First quarter
2032/ 7/22	18:51	Full moon
2032/ 7/29	9:25	Last quater
2032/ 8/ 6	5:11	New moon
2032/ 8/14	7:51	First quarter
2032/ 8/21	1:47	Full moon
2032/ 8/27	19:33	Last quater
2032/ 9/ 4	20:56	New moon
2032/ 9/12	18:49	First quarter
2032/ 9/19	9:30	Full moon

2032/ 9/26	9:12	Last quater
2032/10/ 4	13:26	New moon
2032/10/12	3:47	First quarter
2032/10/18	18:58	Full moon
2032/10/26	2:29	Last quater
2032/11/ 3	5:45	New moon
2032/11/10	11:33	First quarter
2032/11/17	6:42	Full moon
2032/11/24	22:48	Last quater
2032/12/ 2	20:53	New moon
2032/12/ 9	19:08	First quarter
2032/12/16	20:49	Full moon
2032/12/24	20:39	Last quater
2033/ 1/ 1	10:17	New moon
2033/ 1/ 8	3:34	First quarter
2033/ 1/15	13:07	Full moon
2033/ 1/23	17:45	Last quater
2033/ 1/30	22:00	New moon
2033/ 2/ 6	13:34	First quarter
2033/ 2/14	7:04	Full moon
2033/ 2/22	11:53	Last quater
2033/ 3/ 1	8:23	New moon
2033/ 3/ 8	1:27	First quarter
2033/ 3/16	1:37	Full moon
2033/ 3/24	1:50	Last quater
2033/ 3/30	17:51	New moon
2033/ 4/ 6	15:14	First quarter
2033/ 4/14	19:17	Full moon
2033/ 4/22	11:42	Last quater
2033/ 4/29	2:46	New moon
2033/ 5/ 6	6:45	First quarter
2033/ 5/14	10:42	Full moon
2033/ 5/21	18:29	Last quater
2033/ 5/28	11:36	New moon
2033/ 6/ 4	23:39	First quarter
2033/ 6/12	23:19	Full moon
2033/ 6/19	23:29	Last quater
2033/ 6/26	21:07	New moon
2033/ 7/ 4	17:12	First quarter
2033/ 7/12	9:28	Full moon
2033/ 7/19	4:07	Last quater
2033/ 7/26	8:12	New moon
2033/ 8/ 3	10:25	First quarter
2033/ 8/10	18:07	Full moon
2033/ 8/17	9:43	Last quater
2033/ 8/24	21:40	New moon
2033/ 9/ 2	2:23	First quarter
2033/ 9/ 9	2:20	Full moon
2033/ 9/15	17:33	Last quater
2033/ 9/23	13:40	New moon
2033/10/ 1	16:33	First quarter
2033/10/ 8	10:58	Full moon
2033/10/15	4:47	Last quater
2033/10/23	7:28	New moon
2033/10/31	4:46	First quarter
2033/11/ 6	20:32	Full moon
2033/11/13	20:09	Last quater
2033/11/22	1:39	New moon
2033/11/29	15:15	First quarter
2033/12/ 6	7:22	Full moon
2033/12/13	15:28	Last quater
2033/12/21	18:46	New moon
2033/12/29	0:20	First quarter

2034/ 1/ 4	19:47	Full moon
2034/ 1/12	13:17	Last quater
2034/ 1/20	10:01	New moon
2034/ 1/27	8:32	First quarter
2034/ 2/ 3	10:04	Full moon
2034/ 2/11	11:09	Last quater
2034/ 2/18	23:10	New moon
2034/ 2/25	16:34	First quarter
2034/ 3/ 5	2:10	Full moon
2034/ 3/13	6:44	Last quater
2034/ 3/20	10:14	New moon
2034/ 3/27	1:18	First quarter
2034/ 4/ 3	19:19	Full moon
2034/ 4/11	22:45	Last quater
2034/ 4/18	19:26	New moon
2034/ 4/25	11:34	First quarter
2034/ 5/ 3	12:15	Full moon
2034/ 5/11	10:56	Last quater
2034/ 5/18	3:12	New moon
2034/ 5/24	23:57	First quarter
2034/ 6/ 2	3:54	Full moon
2034/ 6/ 9	19:44	Last quater
2034/ 6/16	10:26	New moon
2034/ 6/23	14:35	First quarter
2034/ 7/ 1	17:44	Full moon
2034/ 7/ 9	1:59	Last quater
2034/ 7/15	18:15	New moon
2034/ 7/23	7:05	First quarter
2034/ 7/31	5:54	Full moon
2034/ 8/ 7	6:50	Last quater
2034/ 8/14	3:53	New moon
2034/ 8/22	0:43	First quarter
2034/ 8/29	16:49	Full moon
2034/ 9/ 5	11:41	Last quater
2034/ 9/12	16:14	New moon
2034/ 9/20	18:39	First quarter
2034/ 9/28	2:57	Full moon
2034/10/ 4	18:04	Last quater
2034/10/12	7:32	New moon
2034/10/20	12:03	First quarter
2034/10/27	12:42	Full moon
2034/11/ 3	3:27	Last quater
2034/11/11	1:16	New moon
2034/11/19	4:01	First quarter
2034/11/25	22:32	Full moon
2034/12/ 2	16:46	Last quater
2034/12/10	20:14	New moon
2034/12/18	17:45	First quarter
2034/12/25	8:54	Full moon
2035/ 1/ 1	10:01	Last quater
2035/ 1/ 9	15:03	New moon
2035/ 1/17	4:45	First quarter
2035/ 1/23	20:16	Full moon
2035/ 1/31	6:02	Last quater
2035/ 2/ 8	8:22	New moon
2035/ 2/15	13:17	First quarter
2035/ 2/22	8:54	Full moon
2035/ 3/ 2	3:01	Last quater
2035/ 3/ 9	23:09	New moon
2035/ 3/16	20:15	First quarter
2035/ 3/23	22:42	Full moon
2035/ 3/31	23:06	Last quater
2035/ 4/ 8	10:58	New moon

2035/ 4/15	2:55	First quarter
2035/ 4/22	13:20	Full moon
2035/ 4/30	16:54	Last quater
2035/ 5/ 7	20:04	New moon
2035/ 5/14	10:28	First quarter
2035/ 5/22	4:26	Full moon
2035/ 5/30	7:30	Last quater
2035/ 6/ 6	3:20	New moon
2035/ 6/12	19:50	First quarter
2035/ 6/20	19:37	Full moon
2035/ 6/28	18:42	Last quater
2035/ 7/ 5	9:59	New moon
2035/ 7/12	7:33	First quarter
2035/ 7/20	10:37	Full moon
2035/ 7/28	2:55	Last quater
2035/ 8/ 3	17:12	New moon
2035/ 8/10	21:52	First quarter
2035/ 8/19	1:00	Full moon
2035/ 8/26	9:08	Last quater
2035/ 9/ 2	1:59	New moon
2035/ 9/ 9	14:47	First quarter
2035/ 9/17	14:23	Full moon
2035/ 9/24	14:39	Last quater
2035/10/ 1	13:07	New moon
2035/10/ 9	9:49	First quarter
2035/10/17	2:35	Full moon
2035/10/23	20:57	Last quater
2035/10/31	2:58	New moon
2035/11/ 8	5:50	First quarter
2035/11/15	13:49	Full moon
2035/11/22	5:16	Last quater
2035/11/29	19:37	New moon
2035/12/ 8	1:05	First quarter
2035/12/15	0:33	Full moon
2035/12/21	16:28	Last quater
2035/12/29	14:31	New moon