

# ADELAIDE (CST)

# HOURS of DARKNESS 2017

# BRISBANE (EST)

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	21:31 (s)	03:20 (m)	22:01 (s)	04:00 (m)	20:38 (s)	04:36 (m)	21:29 (s)	05:05 (m)
2	22:09 (s)	03:21 (m)	22:39 (s)	04:02 (m)	21:18 (s)	04:37 (m)	22:22 (s)	05:06 (m)
3	22:47 (s)	03:22 (m)	23:18 (s)	04:03 (m)	21:59 (s)	04:38 (m)	23:19 (s)	05:06 (m)
4	23:23 (s)	03:23 (m)	23:59 (s)	04:04 (m)	22:44 (s)	04:39 (m)	00:19 (s)	05:07 (m)
5	23:59 (s)	03:24 (m)	00:46 (s)	04:06 (m)	23:33 (s)	04:40 (m)	01:20 (s)	05:08 (m)
6	00:37 (s)	03:26 (m)	01:37 (s)	04:07 (m)	00:27 (s)	04:41 (m)	02:21 (s)	05:09 (m)
7	01:17 (s)	03:27 (m)	02:33 (s)	04:08 (m)	01:24 (s)	04:42 (m)	03:21 (s)	05:10 (m)
8	02:02 (s)	03:28 (m)	03:33 (s)	04:10 (m)	02:25 (s)	04:43 (m)	04:20 (s)	05:10 (m)
9	02:51 (s)	03:29 (m)	None	None	03:27 (s)	04:44 (m)	None	None
10	None	None	None	None	04:28 (s)	04:45 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	19:18 (e)	19:20 (r)
14	None	None	20:42 (e)	21:10 (r)	None	None	19:17 (e)	19:57 (r)
15	21:14 (e)	21:29 (r)	20:41 (e)	21:43 (r)	19:59 (e)	20:14 (r)	19:16 (e)	20:36 (r)
16	21:13 (e)	22:06 (r)	20:39 (e)	22:16 (r)	19:58 (e)	20:47 (r)	19:15 (e)	21:19 (r)
17	21:13 (e)	22:40 (r)	20:38 (e)	22:50 (r)	19:56 (e)	21:22 (r)	19:14 (e)	22:05 (r)
18	21:12 (e)	23:12 (r)	20:36 (e)	23:26 (r)	19:55 (e)	22:00 (r)	19:12 (e)	22:55 (r)
19	21:11 (e)	23:45 (r)	20:35 (e)	00:04 (r)	19:53 (e)	22:41 (r)	19:11 (e)	23:48 (r)
20	21:10 (e)	00:17 (r)	20:34 (e)	00:47 (r)	19:52 (e)	23:25 (r)	19:10 (e)	00:45 (r)
21	21:10 (e)	00:52 (r)	20:32 (e)	01:33 (r)	19:50 (e)	00:13 (r)	19:09 (e)	01:44 (r)
22	21:09 (e)	01:29 (r)	20:31 (e)	02:24 (r)	19:49 (e)	01:05 (r)	19:08 (e)	02:45 (r)
23	21:08 (e)	02:09 (r)	20:29 (e)	03:18 (r)	19:47 (e)	02:01 (r)	19:07 (e)	03:49 (r)
24	21:07 (e)	02:53 (r)	20:28 (e)	04:16 (r)	19:46 (e)	03:00 (r)	19:06 (e)	04:55 (r)
25	21:06 (e)	03:42 (r)	20:26 (e)	04:31 (m)	19:44 (e)	04:01 (r)	19:05 (e)	05:23 (m)
26	21:05 (e)	03:52 (m)	20:25 (e)	04:33 (m)	19:43 (e)	05:00 (m)	19:04 (e)	05:23 (m)
27	21:04 (e)	03:53 (m)	20:23 (e)	04:34 (m)	19:41 (e)	05:01 (m)	19:03 (e)	05:24 (m)
28	21:03 (e)	03:55 (m)	20:22 (e)	04:35 (m)	19:40 (e)	05:02 (m)	19:18 (s)	05:25 (m)
29	21:02 (e)	03:56 (m)	None	None	19:38 (e)	05:02 (m)	20:12 (s)	05:25 (m)
30	21:01 (e)	03:57 (m)	None	None	19:35 (s)	05:03 (m)	21:10 (s)	05:26 (m)
31	21:25 (s)	03:59 (m)	None	None	20:40 (s)	05:04 (m)	None	None
	MAY		JUNE		JULY		AUGUST	
	Begin	End	Begin	End	Begin	End	Begin	End
1	22:10 (s)	05:27 (m)	00:08 (s)	05:45 (m)	00:52 (s)	05:54 (m)	02:24 (s)	05:42 (m)
2	23:13 (s)	05:27 (m)	01:06 (s)	05:46 (m)	01:48 (s)	05:54 (m)	03:16 (s)	05:42 (m)
3	00:15 (s)	05:28 (m)	02:03 (s)	05:46 (m)	02:43 (s)	05:54 (m)	04:08 (s)	05:41 (m)
4	01:15 (s)	05:29 (m)	02:59 (s)	05:47 (m)	03:37 (s)	05:54 (m)	04:58 (s)	05:40 (m)
5	02:14 (s)	05:29 (m)	03:54 (s)	05:47 (m)	04:31 (s)	05:54 (m)	None	None
6	03:12 (s)	05:30 (m)	04:49 (s)	05:48 (m)	05:23 (s)	05:53 (m)	None	None
7	04:08 (s)	05:31 (m)	05:43 (s)	05:48 (m)	None	None	None	None
8	05:04 (s)	05:31 (m)	None	None	None	None	None	None
9	None	None	None	None	None	None	19:06 (e)	19:09 (r)
10	None	None	None	None	None	None	19:07 (e)	20:08 (r)
11	None	None	18:41 (e)	18:45 (r)	18:50 (e)	19:20 (r)	19:07 (e)	21:09 (r)
12	None	None	18:41 (e)	19:36 (r)	18:50 (e)	20:17 (r)	19:08 (e)	22:11 (r)
13	18:50 (e)	19:16 (r)	18:41 (e)	20:29 (r)	18:51 (e)	21:15 (r)	19:08 (e)	23:14 (r)
14	18:49 (e)	20:01 (r)	18:41 (e)	21:25 (r)	18:51 (e)	22:14 (r)	19:09 (e)	00:18 (r)
15	18:49 (e)	20:49 (r)	18:41 (e)	22:22 (r)	18:52 (e)	23:15 (r)	19:10 (e)	01:23 (r)
16	18:48 (e)	21:40 (r)	18:41 (e)	23:21 (r)	18:52 (e)	00:17 (r)	19:10 (e)	02:29 (r)
17	18:47 (e)	22:35 (r)	18:42 (e)	00:21 (r)	18:53 (e)	01:21 (r)	19:11 (e)	03:32 (r)
18	18:47 (e)	23:31 (r)	18:42 (e)	01:24 (r)	18:53 (e)	02:27 (r)	19:12 (e)	04:32 (r)
19	18:46 (e)	00:30 (r)	18:42 (e)	02:28 (r)	18:54 (e)	03:35 (r)	19:12 (e)	05:26 (m)
20	18:46 (e)	01:31 (r)	18:42 (e)	03:36 (r)	18:54 (e)	04:42 (r)	19:13 (e)	05:25 (m)
21	18:45 (e)	02:34 (r)	18:42 (e)	04:45 (r)	18:55 (e)	05:46 (r)	19:14 (e)	05:23 (m)
22	18:45 (e)	03:40 (r)	18:42 (e)	05:53 (m)	18:55 (e)	05:49 (m)	19:14 (e)	05:22 (m)
23	18:44 (e)	04:48 (r)	18:43 (e)	05:53 (m)	18:56 (e)	05:48 (m)	19:24 (s)	05:21 (m)
24	18:44 (e)	05:41 (m)	18:43 (e)	05:53 (m)	18:57 (e)	05:48 (m)	20:26 (s)	05:20 (m)
25	18:44 (e)	05:42 (m)	18:43 (e)	05:53 (m)	19:36 (s)	05:47 (m)	21:25 (s)	05:19 (m)
26	18:43 (e)	05:42 (m)	19:44 (s)	05:53 (m)	20:40 (s)	05:46 (m)	22:23 (s)	05:17 (m)
27	18:53 (s)	05:43 (m)	20:50 (s)	05:54 (m)	21:42 (s)	05:46 (m)	23:19 (s)	05:16 (m)
28	19:55 (s)	05:43 (m)	21:55 (s)	05:54 (m)	22:41 (s)	05:45 (m)	00:14 (s)	05:15 (m)
29	20:59 (s)	05:44 (m)	22:56 (s)	05:54 (m)	23:39 (s)	05:44 (m)	01:08 (s)	05:14 (m)
30	22:03 (s)	05:44 (m)	23:55 (s)	05:54 (m)	00:35 (s)	05:44 (m)	02:00 (s)	05:12 (m)
31	23:06 (s)	05:45 (m)	None	None	01:30 (s)	05:43 (m)	02:50 (s)	05:11 (m)
	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Begin	End	Begin	End	Begin	End	Begin	End
1	03:38 (s)	05:10 (m)	03:41 (s)	04:26 (m)	None	None	None	None
2	04:24 (s)	05:08 (m)	04:19 (s)	04:24 (m)	None	None	None	None
3	05:06 (s)	05:07 (m)	None	None	None	None	None	None
4	None	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None	None
6	None	None	None	None	20:25 (e)	21:06 (r)	21:04 (e)	21:57 (r)
7	None	None	19:50 (e)	19:59 (r)	20:26 (e)	22:12 (r)	21:05 (e)	22:50 (r)
8	19:26 (e)	20:03 (r)	19:51 (e)	21:06 (r)	20:28 (e)	23:12 (r)	21:06 (e)	23:35 (r)
9	19:26 (e)	21:06 (r)	19:52 (e)	22:14 (r)	20:29 (e)	00:06 (r)	21:07 (e)	00:15 (r)
10	19:27 (e)	22:11 (r)	19:53 (e)	23:19 (r)	20:30 (e)	00:54 (r)	21:08 (e)	00:51 (r)
11	19:28 (e)	23:17 (r)	19:54 (e)	00:21 (r)	20:32 (e)	01:36 (r)	21:09 (e)	01:25 (r)
12	19:29 (e)	00:22 (r)	19:55 (e)	01:17 (r)	20:33 (e)	02:14 (r)	21:09 (e)	01:57 (r)
13	19:29 (e)	01:25 (r)	19:56 (e)	02:08 (r)	20:34 (e)	02:48 (r)	21:10 (e)	02:30 (r)
14	19:30 (e)	02:25 (r)	19:57 (e)	02:53 (r)	20:36 (e)	03:21 (r)	21:11 (e)	03:03 (r)
15	19:31 (e)	03:20 (r)	19:58 (e)	03:34 (r)	20:37 (e)	03:23 (m)	21:12 (e)	03:10 (m)
16	19:32 (e)	04:10 (r)	19:59 (e)	04:03 (m)	20:38 (e)	03:22 (m)	21:13 (e)	03:10 (m)
17	19:32 (e)	04:47 (m)	20:00 (e)	04:01 (m)	20:40 (e)	03:21 (m)	21:13 (e)	03:10 (m)
18	19:33 (e)	04:46 (m)	20:01 (e)	04:00 (m)	20:41 (e)	03:20 (m)	21:14 (e)	03:11 (m)
19	19:34 (e)	04:44 (m)	20:02 (e)	03:58 (m)	20:43 (e)	03:19 (m)	21:15 (e)	03:11 (m)
20	19:35 (e)	04:43 (m)	20:04 (e)	03:57 (m)	20:44 (e)	03:18 (m)	21:15 (e)	03:11 (m)
21	19:36 (e)	04:41 (m)	20:05 (e)	03:55 (m)	21:20 (s)	03:18 (m)	21:34 (s)	03:12 (m)
22	20:10 (s)	04:40 (m)	20:49 (s)	03:54 (m)	22:08 (s)	03:17 (m)	22:14 (s)	03:12 (m)
23	21:07 (s)	04:38 (m)	21:43 (s)	03:52 (m)	22:53 (s)	03:16 (m)	22:50 (s)	03:13 (m)
24	22:04 (s)	04:37 (m)	22:35 (s)	03:51 (m)	23:34 (s)	03:15 (m)	23:25 (s)	03:14 (m)
25	22:58 (s)	04:35 (m)	23:25 (s)	03:49 (m)	20:13 (s)	03:15 (m)	23:58 (s)	03:14 (m)
26	23:52 (s)	04:34 (m)	00:12 (s)	03:48 (m)	00:49 (s)	03:14 (m)	00:31 (s)	03:15 (m)
27	00:43 (s)	04:32 (m)	00:56 (s)	03:47 (m)	01:24 (s)	03:13 (m)	01:05 (s)	03:16 (m)
28	01:31 (s)	04:30 (m)	01:36 (s)	03:45 (m)	01:58 (s)	03:13 (m)	01:42 (s)	03:17 (m)
29	02:17 (s)	04:29 (m)	02:15 (s)	03:44 (m)	02:33 (s)	03:12 (m)	02:22 (s)	03:17 (m)
30	03:00 (s)	04:27 (m)	02:51 (s)	03:42 (m)	03:10 (s)	03:12 (m)	03:08 (s)	03:18 (m)
31	None	None	03:27 (s)	03:41 (m)	None	None	None	None

Note: For the Hours of Darkness tables, any time after midnight refers to the following morning. An entry of None means the Moon is up the entire time between evening and morning twilight. For the notes after each time: (e) dark starts at end of evening twilight, (s) dark starts at Moon set, (r) dark ends with Moon rise and (m) dark ends with morning twilight.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	20:51 (s)	03:25 (m)	21:33 (s)	03:56 (m)	20:12 (s)	04:21 (m)	21:12 (s)	04:40 (m)
2	21:32 (s)	03:25 (m)	22:13 (s)	03:57 (m)	20:54 (s)	04:22 (m)	22:07 (s)	04:41 (m)
3	22:12 (s)	03:26 (m)	22:55 (s)	03:58 (m)	21:39 (s)	04:23 (m)	23:04 (s)	04:41 (m)
4	22:52 (s)	03:27 (m)	23:40 (s)	03:59 (m)	22:26 (s)	04:24 (m)	00:03 (s)	04:42 (m)
5	23:31 (s)	03:28 (m)	00:28 (s)	04:00 (m)	23:17 (s)	04:24 (m)	01:02 (s)	04:42 (m)
6	00:12 (s)	03:29 (m)	01:21 (s)	04:01 (m)	00:12 (s)	04:25 (m)	02:01 (s)	04:43 (m)
7	00:56 (s)	03:30 (m)	02:18 (s)	04:02 (m)	01:09 (s)	04:26 (m)	02:58 (s)	04:43 (m)
8	01:43 (s)	03:31 (m)	03:17 (s)	04:03 (m)	02:08 (s)	04:26 (m)	03:54 (s)	04:44 (m)
9	02:35 (s)	03:32 (m)	None	None	03:08 (s)	04:27 (m)	None	None
10	03:31 (s)	03:33 (m)	None	None	04:07 (s)	04:28 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	19:57 (e)	20:04 (r)	None	None	18:51 (e)	19:00 (r)
14	None	None	19:56 (e)	20:41 (r)	None	None	18:50 (e)	19:39 (r)
15	20:17 (e)	20:53 (r)	19:55 (e)	21:17 (r)	19:23 (e)	19:49 (r)	18:49 (e)	20:20 (r)
16	20:17 (e)	21:32 (r)	19:54 (e)	21:53 (r)	19:22 (e)	20:26 (r)	18:48 (e)	21:04 (r)
17	20:17 (e)	22:10 (r)	19:53 (e)	22:29 (r)	19:20 (e)	21:03 (r)	18:47 (e)	21:50 (r)
18	20:16 (e)	22:45 (r)	19:52 (e)	23:07 (r)	19:19 (e)	21:43 (r)	18:46 (e)	22:40 (r)
19	20:16 (e)	23:20 (r)	19:51 (e)	23:48 (r)	19:18 (e)	22:25 (r)	18:45 (e)	23:32 (r)
20	20:15 (e)	23:55 (r)	19:50 (e)	00:31 (r)	19:17 (e)	23:10 (r)	18:44 (e)	00:26 (r)
21	20:15 (e)	00:32 (r)	19:48 (e)	01:18 (r)	19:16 (e)	23:58 (r)	18:44 (e)	01:22 (r)
22	20:14 (e)	01:11 (r)	19:47 (e)	02:08 (r)	19:15 (e)	00:49 (r)	18:43 (e)	02:21 (r)
23	20:14 (e)	01:53 (r)	19:					

Table with 4 columns: JANUARY, FEBRUARY, MARCH, APRIL. Each column has 'Begin' and 'End' sub-columns. Rows 1-31 show times for each month. Includes months MAY, JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER.

Note: For the Hours of Darkness tables, any time after midnight refers to the following morning. An entry of None means the Moon is up the entire time between evening and morning twilight. For the notes after each time: (e) dark starts at end of evening twilight, (s) dark starts at Moon set, (r) dark ends with Moon rise and (m) dark ends with morning twilight.

Table with 4 columns: JANUARY, FEBRUARY, MARCH, APRIL. Each column has 'Begin' and 'End' sub-columns. Rows 1-31 show times for each month. Includes months MAY, JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER.

# HOBART (EST)

# HOURS of DARKNESS 2017

# MELBOURNE (EST)

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	22:07 (e)	02:22 (m)	21:56 (s)	03:20 (m)	20:36 (e)	04:12 (m)	21:06 (s)	04:54 (m)
2	22:14 (s)	02:24 (m)	22:28 (s)	03:22 (m)	21:05 (s)	04:13 (m)	21:57 (s)	04:55 (m)
3	22:48 (s)	02:25 (m)	23:03 (s)	03:24 (m)	21:42 (s)	04:15 (m)	22:54 (s)	04:57 (m)
4	23:20 (s)	02:27 (m)	23:41 (s)	03:26 (m)	22:23 (s)	04:16 (m)	23:55 (s)	04:58 (m)
5	23:52 (s)	02:28 (m)	00:24 (s)	03:28 (m)	23:10 (s)	04:18 (m)	00:58 (s)	04:59 (m)
6	00:25 (s)	02:30 (m)	01:12 (s)	03:30 (m)	00:02 (s)	04:20 (m)	02:02 (s)	05:00 (m)
7	01:01 (s)	02:31 (m)	02:07 (s)	03:32 (m)	00:59 (s)	04:21 (m)	03:06 (s)	05:01 (m)
8	01:42 (s)	02:33 (m)	03:08 (s)	03:34 (m)	02:01 (s)	04:23 (m)	04:09 (s)	05:02 (m)
9	02:28 (s)	02:35 (m)	None	None	03:06 (s)	04:24 (m)	None	None
10	None	None	None	None	04:11 (s)	04:26 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None	None
14	None	None	None	None	None	None	19:14 (e)	19:37 (r)
15	None	None	21:04 (e)	21:34 (r)	None	None	19:13 (e)	20:14 (r)
16	21:55 (e)	22:06 (r)	21:02 (e)	22:03 (r)	20:06 (e)	20:32 (r)	19:11 (e)	20:55 (r)
17	21:53 (e)	22:37 (r)	21:00 (e)	22:33 (r)	20:04 (e)	21:04 (r)	19:10 (e)	21:40 (r)
18	21:52 (e)	23:05 (r)	20:58 (e)	23:06 (r)	20:02 (e)	21:39 (r)	19:08 (e)	22:30 (r)
19	21:51 (e)	23:34 (r)	20:56 (e)	23:43 (r)	20:00 (e)	22:17 (r)	19:07 (e)	23:25 (r)
20	21:49 (e)	00:03 (r)	20:54 (e)	00:23 (r)	19:58 (e)	23:00 (r)	19:05 (e)	00:24 (r)
21	21:48 (e)	00:34 (r)	20:52 (e)	01:08 (r)	19:56 (e)	23:48 (r)	19:04 (e)	01:26 (r)
22	21:46 (e)	01:08 (r)	20:50 (e)	01:59 (r)	19:54 (e)	00:41 (r)	19:03 (e)	02:31 (r)
23	21:45 (e)	01:46 (r)	20:48 (e)	02:55 (r)	19:53 (e)	01:39 (r)	19:01 (e)	03:40 (r)
24	21:43 (e)	02:29 (r)	20:46 (e)	03:55 (r)	19:51 (e)	02:40 (r)	19:00 (e)	04:50 (r)
25	21:42 (e)	03:06 (m)	20:44 (e)	04:05 (m)	19:49 (e)	03:46 (r)	18:58 (e)	05:20 (m)
26	21:40 (e)	03:08 (m)	20:42 (e)	04:07 (m)	19:47 (e)	04:47 (m)	18:57 (e)	05:21 (m)
27	21:38 (e)	03:10 (m)	20:40 (e)	04:08 (m)	19:45 (e)	04:48 (m)	18:56 (e)	05:22 (m)
28	21:37 (e)	03:12 (m)	20:38 (e)	04:10 (m)	19:43 (e)	04:50 (m)	18:56 (s)	05:23 (m)
29	21:35 (e)	03:14 (m)	None	None	19:41 (e)	04:51 (m)	19:47 (s)	05:24 (m)
30	21:33 (e)	03:16 (m)	None	None	19:40 (e)	04:52 (m)	20:44 (s)	05:25 (m)
31	21:32 (e)	03:18 (m)	None	None	20:20 (s)	04:53 (m)	None	None
	MAY		JUNE		JULY		AUGUST	
	Begin	End	Begin	End	Begin	End	Begin	End
1	21:45 (s)	05:26 (m)	23:54 (s)	05:51 (m)	00:49 (s)	06:01 (m)	02:33 (s)	05:44 (m)
2	22:49 (s)	05:27 (m)	00:57 (s)	05:52 (m)	01:49 (s)	06:00 (m)	03:29 (s)	05:43 (m)
3	23:55 (s)	05:28 (m)	01:58 (s)	05:52 (m)	02:47 (s)	06:00 (m)	04:22 (s)	05:42 (m)
4	00:59 (s)	05:29 (m)	02:58 (s)	05:53 (m)	03:45 (s)	06:00 (m)	05:12 (s)	05:41 (m)
5	02:02 (s)	05:30 (m)	03:56 (s)	05:54 (m)	04:41 (s)	06:00 (m)	None	None
6	03:04 (s)	05:31 (m)	04:54 (s)	05:54 (m)	05:36 (s)	06:00 (m)	None	None
7	04:04 (s)	05:32 (m)	05:52 (s)	05:55 (m)	None	None	None	None
8	05:04 (s)	05:32 (m)	None	None	None	None	None	None
9	None	None	None	None	None	None	None	None
10	None	None	None	None	None	None	18:58 (e)	19:57 (r)
11	None	None	None	None	18:35 (e)	18:58 (r)	18:59 (e)	21:02 (r)
12	None	None	18:25 (e)	19:11 (r)	18:35 (e)	19:58 (r)	19:00 (e)	22:08 (r)
13	18:38 (e)	18:52 (r)	18:25 (e)	20:06 (r)	18:36 (e)	21:00 (r)	19:01 (e)	23:15 (r)
14	18:38 (e)	19:35 (r)	18:25 (e)	21:04 (r)	18:37 (e)	22:04 (r)	19:02 (e)	00:24 (r)
15	18:37 (e)	20:24 (r)	18:25 (e)	22:05 (r)	18:37 (e)	23:09 (r)	19:03 (e)	01:33 (r)
16	18:36 (e)	21:16 (r)	18:25 (e)	23:08 (r)	18:38 (e)	00:15 (r)	19:04 (e)	02:41 (r)
17	18:35 (e)	22:13 (r)	18:25 (e)	00:12 (r)	18:39 (e)	01:24 (r)	19:05 (e)	03:46 (r)
18	18:34 (e)	23:12 (r)	18:26 (e)	01:19 (r)	18:39 (e)	02:34 (r)	19:05 (e)	04:46 (r)
19	18:34 (e)	00:15 (r)	18:26 (e)	02:28 (r)	18:40 (e)	03:45 (r)	19:06 (e)	05:22 (m)
20	18:33 (e)	01:20 (r)	18:26 (e)	03:40 (r)	18:41 (e)	04:55 (r)	19:07 (e)	05:21 (m)
21	18:32 (e)	02:27 (r)	18:26 (e)	04:54 (r)	18:42 (e)	05:53 (m)	19:08 (e)	05:20 (m)
22	18:32 (e)	03:38 (r)	18:26 (e)	06:00 (m)	18:42 (e)	05:52 (m)	19:09 (e)	05:18 (m)
23	18:31 (e)	04:51 (r)	18:27 (e)	06:00 (m)	18:43 (e)	05:52 (m)	19:13 (s)	05:17 (m)
24	18:31 (e)	05:46 (m)	18:27 (e)	06:00 (m)	18:44 (e)	05:51 (m)	20:19 (s)	05:15 (m)
25	18:30 (e)	05:46 (m)	18:27 (e)	06:00 (m)	19:17 (s)	05:50 (m)	21:23 (s)	05:14 (m)
26	18:29 (e)	05:47 (m)	19:21 (s)	06:01 (m)	20:26 (s)	05:50 (m)	22:24 (s)	05:12 (m)
27	18:29 (e)	05:48 (m)	20:30 (s)	06:01 (m)	21:32 (s)	05:49 (m)	23:24 (s)	05:10 (m)
28	19:28 (s)	05:49 (m)	21:39 (s)	06:01 (m)	22:36 (s)	05:48 (m)	00:23 (s)	05:09 (m)
29	20:34 (s)	05:49 (m)	22:45 (s)	06:01 (m)	23:38 (s)	05:47 (m)	01:19 (s)	05:07 (m)
30	21:42 (s)	05:50 (m)	23:48 (s)	06:01 (m)	00:38 (s)	05:46 (m)	02:13 (s)	05:06 (m)
31	22:48 (s)	05:51 (m)	None	None	01:36 (s)	05:45 (m)	03:05 (s)	05:04 (m)
	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Begin	End	Begin	End	Begin	End	Begin	End
1	03:52 (s)	05:02 (m)	03:50 (s)	04:06 (m)	None	None	None	None
2	04:36 (s)	05:01 (m)	None	None	None	None	None	None
3	None	None	None	None	None	None	None	None
4	None	None	None	None	None	None	None	None
5	None	None	None	None	None	None	None	None
6	None	None	None	None	20:54 (e)	21:18 (r)	21:51 (e)	22:11 (r)
7	None	None	None	None	20:56 (e)	22:26 (r)	21:52 (e)	23:01 (r)
8	19:27 (e)	19:58 (r)	20:04 (e)	21:14 (r)	20:58 (e)	23:27 (r)	21:54 (e)	23:44 (r)
9	19:28 (e)	21:06 (r)	20:06 (e)	22:24 (r)	21:00 (e)	00:19 (r)	21:55 (e)	00:20 (r)
10	19:29 (e)	22:16 (r)	20:07 (e)	23:32 (r)	21:02 (e)	01:04 (r)	21:57 (e)	00:52 (r)
11	19:30 (e)	23:25 (r)	20:09 (e)	00:35 (r)	21:04 (e)	01:43 (r)	21:58 (e)	01:21 (r)
12	19:31 (e)	00:33 (r)	20:10 (e)	01:31 (r)	21:06 (e)	02:16 (r)	21:59 (e)	01:49 (r)
13	19:32 (e)	01:39 (r)	20:12 (e)	02:20 (r)	21:08 (e)	02:42 (m)	22:00 (e)	02:11 (m)
14	19:33 (e)	02:39 (r)	20:13 (e)	03:02 (r)	21:10 (e)	02:41 (m)	22:01 (e)	02:10 (m)
15	19:34 (e)	03:33 (r)	20:15 (e)	03:38 (m)	21:12 (e)	02:39 (m)	22:02 (e)	02:10 (m)
16	19:36 (e)	04:21 (r)	20:17 (e)	03:36 (m)	21:14 (e)	02:37 (m)	22:03 (e)	02:10 (m)
17	19:37 (e)	04:34 (m)	20:18 (e)	03:34 (m)	21:16 (e)	02:36 (m)	22:04 (e)	02:11 (m)
18	19:38 (e)	04:32 (m)	20:20 (e)	03:32 (m)	21:18 (e)	02:34 (m)	22:05 (e)	02:11 (m)
19	19:39 (e)	04:30 (m)	20:22 (e)	03:30 (m)	21:20 (e)	02:33 (m)	22:06 (e)	02:11 (m)
20	19:40 (e)	04:28 (m)	20:23 (e)	03:28 (m)	21:22 (e)	02:31 (m)	22:06 (e)	02:11 (m)
21	19:42 (e)	04:26 (m)	20:25 (e)	03:26 (m)	21:25 (s)	02:30 (m)	22:07 (e)	02:12 (m)
22	20:09 (s)	04:24 (m)	20:58 (s)	03:24 (m)	22:23 (s)	02:28 (m)	22:24 (s)	02:12 (m)
23	21:11 (s)	04:22 (m)	21:55 (s)	03:22 (m)	23:07 (s)	02:27 (m)	22:57 (s)	02:13 (m)
24	22:11 (s)	04:20 (m)	22:49 (s)	03:20 (m)	23:46 (s)	02:26 (m)	23:28 (s)	02:14 (m)
25	23:09 (s)	04:18 (m)	23:40 (s)	03:18 (m)	00:22 (s)	02:24 (m)	23:57 (s)	02:15 (m)
26	00:04 (s)	04:16 (m)	00:26 (s)	03:16 (m)	00:55 (s)	02:23 (m)	00:26 (s)	02:15 (m)
27	00:57 (s)	04:14 (m)	01:08 (s)	03:14 (m)	01:26 (s)	02:22 (m)	00:56 (s)	02:16 (m)
28	01:46 (s)	04:12 (m)	01:47 (s)	03:12 (m)	01:56 (s)	02:21 (m)	01:28 (s)	02:17 (m)
29	02:31 (s)	04:10 (m)	02:22 (s)	03:10 (m)	None	None	02:04 (s)	02:18 (m)
30	03:12 (s)	04:08 (m)	02:55 (s)	03:08 (m)	None	None	None	None
31	None	None	None	None	None	None	None	None

Note: For the Hours of Darkness tables, any time after midnight refers to the following morning. An entry of None means the Moon is up the entire time between evening and morning twilight. For the notes after each time: (e) dark starts at end of evening twilight, (s) dark starts at Moon set, (r) dark ends with Moon rise and (m) dark ends with morning twilight.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	21:39 (e)	03:08 (m)	22:05 (s)	03:53 (m)	20:41 (s)	04:34 (m)	21:26 (s)	05:07 (m)
2	22:17 (s)	03:09 (m)	22:41 (s)	03:55 (m)	21:19 (s)	04:35 (m)	22:19 (s)	05:08 (m)
3	22:53 (s)	03:10 (m)	23:18 (s)	03:56 (m)	21:59 (s)	04:36 (m)	23:16 (s)	05:09 (m)
4	23:27 (s)	03:12 (m)	23:59 (s)	03:58 (m)	22:42 (s)	04:38 (m)	00:16 (s)	05:10 (m)
5	00:02 (s)	03:13 (m)	00:44 (s)	03:59 (m)	23:31 (s)	04:39 (m)	01:18 (s)	05:11 (m)
6	00:38 (s)	03:14 (m)	01:34 (s)	04:01 (m)	00:24 (s)	04:40 (m)	02:20 (s)	05:12 (m)
7	01:17 (s)	03:15 (m)	02:29 (s)	04:03 (m)	01:21 (s)	04:41 (m)	03:21 (s)	05:13 (m)
8	02:00 (s)	03:17 (m)	03:30 (s)	04:04 (m)	02:22 (s)	04:42 (m)	04:21 (s)	05:14 (m)
9	02:49 (s)	03:18 (m)	None	None	03:25 (s)	04:44 (m)	None	None
10	None	None	None	None	04:28 (s)	04:45 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None	None
14	None	None	20:56 (e)	21:14 (r)	None	None	19:22 (e)	19:56 (r)
15	21:33 (e)	21:36 (r)	20:54 (e)	21:45 (r)	20:08 (e)	20:15 (r)	19:21 (e)	20:34 (r)
16	21:32 (e)	22:12 (r)	20:52 (e)	22:17 (r)	20:06 (e)	20:48 (r)	19:19 (e)	21:16 (r)
17	21:31 (e)	22:44 (r)	20:51 (e)	22:50 (r)	20:04 (e)	21:22 (r)	19:18 (e)	22:02 (r)
18	21:30 (e)	23:16 (r)	20:49 (e)	23:25 (r)	20:03 (e)	21:58 (r)	19:17 (e)	22:52 (r)
19	21:30 (e)	23:46 (r)	20:48 (e)	00:02 (r)	20:01 (e)	22:38 (r)	19:16 (e)	23:46 (r)
20	21:29 (e)	00:18 (r)	20:46 (e)	00:44 (r)	20:00 (e)	23:22 (r)	19:14 (e)	00:43 (r)
21	21:28 (e)	00:51 (r)	20:44 (e)	01:30 (r)	19:58 (e)	00:10 (r)	19:13 (e)	01:43 (r)
22	21:27 (e)	01:27 (r)	20:43 (e)	02:21 (r)	19:56 (e)	01:02 (r)	19:12 (e)	02:46 (r)
23	21:25 (e)	02:07 (r)	20:41 (e)	03:16 (r)	19:55 (e)	01:58 (r)	19:11 (e)	03:51 (r)
24	21:24 (e)	02:51 (r)	20:40 (e)	04:14 (r)	19:53 (e)	02:58 (r)	19:10 (e)	04:59 (r)
25								

**PERTH (WST)**

**HOURS of DARKNESS 2017**

**SYDNEY (EST)**

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	21:30 (s)	03:35 (m)	22:05 (s)	04:11 (m)	20:43 (s)	04:43 (m)	21:39 (s)	05:07 (m)
2	22:10 (s)	03:36 (m)	22:44 (s)	04:13 (m)	21:24 (s)	04:44 (m)	22:33 (s)	05:08 (m)
3	22:48 (s)	03:37 (m)	23:24 (s)	04:14 (m)	22:07 (s)	04:45 (m)	23:30 (s)	05:09 (m)
4	23:25 (s)	03:38 (m)	00:08 (s)	04:15 (m)	22:53 (s)	04:46 (m)	00:30 (s)	05:09 (m)
5	00:03 (s)	03:39 (m)	00:55 (s)	04:16 (m)	23:43 (s)	04:46 (m)	01:30 (s)	05:10 (m)
6	00:42 (s)	03:40 (m)	01:47 (s)	04:18 (m)	00:38 (s)	04:47 (m)	02:30 (s)	05:11 (m)
7	01:24 (s)	03:41 (m)	02:44 (s)	04:19 (m)	01:35 (s)	04:48 (m)	03:29 (s)	05:11 (m)
8	02:10 (s)	03:42 (m)	03:44 (s)	04:20 (m)	02:35 (s)	04:49 (m)	04:26 (s)	05:12 (m)
9	03:01 (s)	03:43 (m)	None	None	03:36 (s)	04:50 (m)	None	None
10	None	None	None	None	04:37 (s)	04:51 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	20:36 (e)	20:38 (r)	None	None	19:19 (e)	19:28 (r)
14	None	None	20:35 (e)	21:13 (r)	None	None	19:18 (e)	20:05 (r)
15	21:02 (e)	21:30 (r)	20:34 (e)	21:47 (r)	19:56 (e)	20:19 (r)	19:17 (e)	20:46 (r)
16	21:02 (e)	22:07 (r)	20:32 (e)	22:21 (r)	19:55 (e)	20:54 (r)	19:16 (e)	21:29 (r)
17	21:01 (e)	22:43 (r)	20:31 (e)	22:57 (r)	19:53 (e)	21:30 (r)	19:15 (e)	22:15 (r)
18	21:01 (e)	23:16 (r)	20:30 (e)	23:34 (r)	19:52 (e)	22:09 (r)	19:14 (e)	23:05 (r)
19	21:00 (e)	23:50 (r)	20:29 (e)	00:13 (r)	19:51 (e)	22:50 (r)	19:13 (e)	23:58 (r)
20	20:59 (e)	00:24 (r)	20:27 (e)	00:56 (r)	19:49 (e)	23:35 (r)	19:12 (e)	00:54 (r)
21	20:59 (e)	00:59 (r)	20:26 (e)	01:43 (r)	19:48 (e)	00:23 (r)	19:11 (e)	01:52 (r)
22	20:58 (e)	01:37 (r)	20:25 (e)	02:34 (r)	19:47 (e)	01:15 (r)	19:10 (e)	02:52 (r)
23	20:57 (e)	02:18 (r)	20:23 (e)	03:28 (r)	19:45 (e)	02:10 (r)	19:09 (e)	03:55 (r)
24	20:57 (e)	03:03 (r)	20:22 (e)	04:26 (r)	19:44 (e)	03:09 (r)	19:08 (e)	05:00 (r)
25	20:56 (e)	03:52 (r)	20:21 (e)	04:39 (m)	19:43 (e)	04:09 (r)	19:07 (e)	05:22 (m)
26	20:55 (e)	04:04 (m)	20:19 (e)	04:40 (m)	19:41 (e)	05:03 (m)	19:06 (e)	05:23 (m)
27	20:54 (e)	04:05 (m)	20:18 (e)	04:41 (m)	19:40 (e)	05:04 (m)	19:05 (e)	05:24 (m)
28	20:53 (e)	04:06 (m)	20:17 (e)	04:42 (m)	19:39 (e)	05:05 (m)	19:28 (s)	05:24 (m)
29	20:52 (e)	04:08 (m)	None	None	19:37 (e)	05:05 (m)	20:22 (s)	05:25 (m)
30	20:51 (e)	04:09 (m)	None	None	20:02 (s)	05:06 (m)	21:21 (s)	05:25 (m)
31	21:27 (s)	04:10 (m)	None	None	20:48 (s)	05:07 (m)	None	None
	MAY		JUNE		JULY		AUGUST	
	Begin	End	Begin	End	Begin	End	Begin	End
1	22:21 (s)	05:26 (m)	00:15 (s)	05:43 (m)	00:56 (s)	05:51 (m)	02:23 (s)	05:41 (m)
2	23:23 (s)	05:27 (m)	01:12 (s)	05:43 (m)	01:50 (s)	05:51 (m)	03:15 (s)	05:40 (m)
3	00:24 (s)	05:27 (m)	02:08 (s)	05:43 (m)	02:44 (s)	05:51 (m)	04:06 (s)	05:40 (m)
4	01:23 (s)	05:28 (m)	03:02 (s)	05:44 (m)	03:37 (s)	05:51 (m)	04:55 (s)	05:39 (m)
5	02:21 (s)	05:28 (m)	03:56 (s)	05:44 (m)	04:30 (s)	05:51 (m)	None	None
6	03:17 (s)	05:29 (m)	04:49 (s)	05:45 (m)	05:21 (s)	05:50 (m)	None	None
7	04:12 (s)	05:29 (m)	05:42 (s)	05:45 (m)	None	None	None	None
8	05:07 (s)	05:30 (m)	None	None	None	None	None	None
9	None	None	None	None	None	None	19:09 (e)	19:16 (r)
10	None	None	None	None	None	None	19:09 (e)	20:15 (r)
11	None	None	18:46 (e)	18:56 (r)	18:54 (e)	19:29 (r)	19:10 (e)	21:14 (r)
12	None	None	18:46 (e)	19:46 (r)	18:55 (e)	20:25 (r)	19:10 (e)	22:15 (r)
13	18:53 (e)	19:25 (r)	18:46 (e)	20:39 (r)	18:55 (e)	21:22 (r)	19:11 (e)	23:16 (r)
14	18:53 (e)	20:11 (r)	18:46 (e)	21:34 (r)	18:56 (e)	22:20 (r)	19:12 (e)	00:19 (r)
15	18:52 (e)	20:59 (r)	18:46 (e)	22:30 (r)	18:56 (e)	23:20 (r)	19:12 (e)	01:23 (r)
16	18:52 (e)	21:51 (r)	18:47 (e)	23:28 (r)	18:57 (e)	00:21 (r)	19:13 (e)	02:28 (r)
17	18:51 (e)	22:44 (r)	18:47 (e)	00:27 (r)	18:57 (e)	01:24 (r)	19:13 (e)	03:31 (r)
18	18:51 (e)	23:40 (r)	18:47 (e)	01:28 (r)	18:58 (e)	02:28 (r)	19:14 (e)	04:30 (r)
19	18:50 (e)	00:38 (r)	18:47 (e)	02:32 (r)	18:58 (e)	03:35 (r)	19:14 (e)	05:25 (r)
20	18:50 (e)	01:38 (r)	18:47 (e)	03:38 (r)	18:59 (e)	04:41 (r)	19:15 (e)	05:25 (m)
21	18:50 (e)	02:40 (r)	18:48 (e)	04:46 (r)	18:59 (e)	05:45 (m)	19:15 (e)	05:24 (m)
22	18:49 (e)	03:44 (r)	18:48 (e)	05:50 (m)	19:00 (e)	05:46 (m)	19:16 (e)	05:23 (m)
23	18:49 (e)	04:51 (r)	18:48 (e)	05:50 (m)	19:00 (e)	05:46 (m)	19:31 (s)	05:22 (m)
24	18:48 (e)	05:39 (m)	18:48 (e)	05:50 (m)	19:01 (e)	05:45 (m)	20:31 (s)	05:20 (m)
25	18:48 (e)	05:39 (m)	18:49 (e)	05:50 (m)	19:44 (s)	05:45 (m)	21:29 (s)	05:19 (m)
26	18:48 (e)	05:40 (m)	19:55 (s)	05:50 (m)	20:47 (s)	05:44 (m)	22:25 (s)	05:18 (m)
27	19:04 (s)	05:40 (m)	21:00 (s)	05:50 (m)	21:48 (s)	05:44 (m)	23:20 (s)	05:17 (m)
28	20:06 (s)	05:41 (m)	22:03 (s)	05:50 (m)	22:45 (s)	05:43 (m)	00:14 (s)	05:16 (m)
29	21:10 (s)	05:41 (m)	23:03 (s)	05:51 (m)	23:42 (s)	05:43 (m)	01:07 (s)	05:15 (m)
30	22:13 (s)	05:42 (m)	00:00 (s)	05:51 (m)	00:36 (s)	05:42 (m)	01:58 (s)	05:14 (m)
31	23:15 (s)	05:42 (m)	None	None	01:30 (s)	05:42 (m)	02:48 (s)	05:12 (m)
	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Begin	End	Begin	End	Begin	End	Begin	End
1	03:36 (s)	05:11 (m)	03:40 (s)	04:31 (m)	None	None	None	None
2	04:22 (s)	05:10 (m)	04:19 (s)	04:30 (m)	None	None	None	None
3	05:05 (s)	05:09 (m)	None	None	None	None	None	None
4	None	None	None	None	None	None	None	None
5	None	None	None	None	None	None	20:50 (e)	20:56 (r)
6	None	None	None	None	20:16 (e)	21:05 (r)	20:51 (e)	21:55 (r)
7	None	None	19:46 (e)	20:02 (r)	20:17 (e)	22:10 (r)	20:52 (e)	22:48 (r)
8	19:25 (e)	20:07 (r)	19:47 (e)	21:07 (r)	20:19 (e)	23:10 (r)	20:53 (e)	23:35 (r)
9	19:26 (e)	21:10 (r)	19:47 (e)	22:13 (r)	20:20 (e)	00:05 (r)	20:54 (e)	00:16 (r)
10	19:27 (e)	22:13 (r)	19:48 (e)	23:18 (r)	20:21 (e)	00:53 (r)	20:55 (e)	00:53 (r)
11	19:27 (e)	23:17 (r)	19:49 (e)	00:19 (r)	20:22 (e)	01:36 (r)	20:55 (e)	01:28 (r)
12	19:28 (e)	00:21 (r)	19:50 (e)	01:15 (r)	20:23 (e)	02:14 (r)	20:56 (e)	02:01 (r)
13	19:28 (e)	01:23 (r)	19:51 (e)	02:06 (r)	20:25 (e)	02:50 (r)	20:57 (e)	02:35 (r)
14	19:29 (e)	02:23 (r)	19:52 (e)	02:52 (r)	20:26 (e)	03:25 (r)	20:58 (e)	03:09 (r)
15	19:30 (e)	03:18 (r)	19:53 (e)	03:34 (r)	20:27 (e)	03:35 (m)	20:59 (e)	03:25 (m)
16	19:30 (e)	04:08 (r)	19:54 (e)	04:10 (m)	20:28 (e)	03:34 (m)	20:59 (e)	03:26 (m)
17	19:31 (e)	04:51 (m)	19:55 (e)	04:09 (m)	20:29 (e)	03:34 (m)	21:00 (e)	03:26 (m)
18	19:32 (e)	04:49 (m)	19:56 (e)	04:07 (m)	20:31 (e)	03:33 (m)	21:01 (e)	03:26 (m)
19	19:32 (e)	04:48 (m)	19:57 (e)	04:06 (m)	20:32 (e)	03:32 (m)	21:01 (e)	03:27 (m)
20	19:33 (e)	04:46 (m)	19:58 (e)	04:05 (m)	20:33 (e)	03:31 (m)	21:02 (e)	03:27 (m)
21	19:34 (e)	04:45 (m)	19:59 (e)	04:03 (m)	21:18 (s)	03:31 (m)	21:32 (s)	03:28 (m)
22	20:13 (s)	04:44 (m)	20:48 (s)	04:02 (m)	22:06 (s)	03:30 (m)	22:12 (s)	03:28 (m)
23	21:09 (s)	04:42 (m)	21:42 (s)	04:01 (m)	22:51 (s)	03:29 (m)	22:49 (s)	03:29 (m)
24	22:04 (s)	04:41 (m)	22:33 (s)	03:59 (m)	23:33 (s)	03:29 (m)	23:25 (s)	03:29 (m)
25	22:58 (s)	04:39 (m)	23:23 (s)	03:58 (m)	00:12 (s)	03:28 (m)	00:00 (s)	03:30 (m)
26	23:50 (s)	04:38 (m)	00:09 (s)	03:57 (m)	00:49 (s)	03:28 (m)	00:34 (s)	03:31 (m)
27	00:41 (s)	04:37 (m)	00:53 (s)	03:56 (m)	01:25 (s)	03:27 (m)	01:10 (s)	03:31 (m)
28	01:29 (s)	04:35 (m)	01:35 (s)	03:54 (m)	02:00 (s)	03:27 (m)	01:48 (s)	03:32 (m)
29	02:15 (s)	04:34 (m)	02:14 (s)	03:53 (m)	02:37 (s)	03:26 (m)	02:30 (s)	03:33 (m)
30	02:59 (s)	04:32 (m)	02:52 (s)	03:52 (m)	03:15 (s)	03:26 (m)	03:18 (s)	03:34 (m)
31	None	None	03:28 (s)	03:51 (m)	None	None	None	None

Note: For the Hours of Darkness tables, any time after midnight refers to the following morning. An entry of None means the Moon is up the entire time between evening and morning twilight. For the notes after each time: (e) dark starts at end of evening twilight, (s) dark starts at Moon set, (r) dark ends with Moon rise and (m) dark ends with morning twilight.

	JANUARY		FEBRUARY		MARCH		APRIL	
	Begin	End	Begin	End	Begin	End	Begin	End
1	21:07 (s)	03:05 (m)	21:40 (s)	03:43 (m)	20:17 (s)	04:17 (m)	21:08 (s)	04:45 (m)
2	21:46 (s)	03:06 (m)	22:17 (s)	03:45 (m)	20:56 (s)	04:18 (m)	22:02 (s)	04:46 (m)
3	22:24 (s)	03:07 (m)	22:57 (s)	03:46 (m)	21:38 (s)	04:19 (m)	22:59 (s)	04:46 (m)
4	23:01 (s)	03:08 (m)	23:39 (s)	03:47 (m)	22:24 (s)	04:20 (m)	23:58 (s)	04:47 (m)
5	23:37 (s)	03:09 (m)	00:25 (s)	03:49 (m)	23:13 (s)	04:21 (m)	00:59 (s)	04:48 (m)
6	00:16 (s)	03:10 (m)	01:16 (s)	03:50 (m)	00:06 (s)	04:22 (m)	02:00 (s)	04:49 (m)
7	00:56 (s)	03:11 (m)	02:12 (s)	03:51 (m)	01:04 (s)	04:23 (m)	02:59 (s)	04:49 (m)
8	01:41 (s)	03:12 (m)	03:12 (s)	03:52 (m)	02:04 (s)	04:24 (m)	03:58 (s)	04:50 (m)
9	02:31 (s)	03:13 (m)	None	None	03:06 (s)	04:25 (m)	None	None
10	None	None	None	None	04:07 (s)	04:26 (m)	None	None
11	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	18:58 (e)	19:00 (r)
14	None	None	20:19 (e)	20:48 (r)	None	None	18:57 (e)	19:37 (r)
15	20:49 (e)	21:06 (r)	20:17 (e)	21:22 (r)	19:37 (e)	19:53 (r)	18:55 (e)	20:16 (r)
16	20:48 (e)	21:44 (r)	20:16 (e)	21:55 (r)	19:36 (e)	20:27 (r)	18:54 (e)	20:59 (r)
17	20:48 (e)	22:18 (r)	20:15 (e)	22:29 (r)	19:34 (e)	21:02 (r)	18:53 (e)	21:45 (r)
18	20:47 (e)	22:51 (r)	20:13 (e)	23:05 (r)	19:33 (e)	21:40 (r)	18:52 (e)	22:35 (r)
19	20:46 (e)	23:23 (r)	20:12 (e)	23:44 (r)	19:31 (e)	22:21 (r)	18:51 (e)	23:28 (r)
20	20:46 (e)	23:57 (r)	20:10 (e)	00:27 (r)	19:30 (e)	23:05 (r)	18:50 (e)	00:24 (r)
21	20:45 (e)	00:31 (r)	20:09 (e)	01:13 (r)	19:28 (e)	23:53 (r)	18:49 (e)	01:22 (r)
22	20:44 (e)	01:09 (r)	20:08 (e)	02:03 (r)	19:27 (e)	00:45 (r)	18:48 (e)	02:23 (r)
23	20:43 (e)	01:49 (r)						