PLRA Sunrise and Sunset Data for 2009

Sundays

Date	Begin Civil Twilight	Sunrise
Apr 19	6:12 AM	6:40 AM
Apr 26	6:01 AM	6:30 AM
May 3	5:51 AM	6:21 AM
May 10	5:42 AM	6:13 AM
May 17	5:34 AM	6:06 AM
May 24	5:28 AM	6:00 AM
May 31	5:24 AM	5:56 AM
Jun 7	5:21 AM	5:54 AM
Jun 14	5:19 AM	5:53 AM
Jun 21	5:20 AM	5:54 AM
Jun 28	5:23 AM	5:56 AM
Jul 5	5:26 AM	6:00 AM
Jul 12	5:32 AM	6:04 AM
Jul 19	5:38 AM	6:10 AM
Jul 26	5:45 AM	6:16 AM
Aug 2	5:52 AM	6:23 AM
Aug 9	6:00 AM	6:30 AM
Aug 16	6:07 AM	6:37 AM
Aug 23	6:15 AM	6:44 AM
Aug 30	6:23 AM	6:51 AM
Sep 6	6:30 AM	6:58 AM
Sep 13	6:37 AM	7:05 AM
Sep 20	6:44 AM	7:12 AM
Sep 27	6:51 AM	7:19 AM
Oct 4	6:59 AM	7:26 AM
Oct 11	7:06 AM	7:33 AM
Oct 18	7:13 AM	7:41 AM
Oct 25	7:21 AM	7:49 AM
Nov 1	6:29 AM	6:57 AM
Nov 8	6:37 AM	7:06 AM
Nov 15	6:44 AM	7:14 AM

Tuesdays

Date	Sunset	End Civil Twilight
Apr 21	8:13 PM	8:42 PM
Apr 28	8:20 PM	8:50 PM
May 5	8:27 PM	8:58 PM
May 12	8:35 PM	9:06 PM
May 19	8:41 PM	9:13 PM
May 26	8:48 PM	9:20 PM
Jun 2	8:53 PM	9:26 PM
Jun 9	8:58 PM	9:31 PM
Jun 16	9:01 PM	9:34 PM
Jun 23	9:02 PM	9:36 PM
Jun 30	9:02 PM	9:36 PM
Jul 7	9:01 PM	9:34 PM
Jul 14	8:58 PM	9:30 PM
Jul 21	8:53 PM	9:25 PM
Jul 28	8:46 PM	9:18 PM
Aug 4	8:39 PM	9:09 PM
Aug 11	8:30 PM	9:00 PM
Aug 18	8:20 PM	8:49 PM
Aug 25	8:09 PM	8:38 PM
Sep 1	7:58 PM	8:27 PM
Sep 8	7:47 PM	8:15 PM
Sep 15	7:35 PM	8:02 PM
Sep 22	7:23 PM	7:50 PM
Sep 29	7:11 PM	7:38 PM
Oct 6	6:59 PM	7:27 PM
Oct 13	6:48 PM	7:16 PM
Oct 20	6:38 PM	7:06 PM
Oct 27	6:28 PM	6:56 PM
Nov 3	5:19 PM	5:48 PM
Nov 10	5:12 PM	5:41 PM

Thursdays

Date	Sunset	End Civil Twilight
Apr 23	8:15 PM	8:44 PM
Apr 30	8:22 PM	8:52 PM
May 7	8:29 PM	9:00 PM
May 14	8:37 PM	9:08 PM
May 21	8:43 PM	9:15 PM
May 28	8:49 PM	9:22 PM
Jun 4	8:54 PM	9:28 PM
Jun 11	8:59 PM	9:32 PM
Jun 18	9:01 PM	9:35 PM
Jun 25	9:03 PM	9:36 PM
Jul 2	9:02 PM	9:36 PM
Jul 9	9:00 PM	9:33 PM
Jul 16	8:56 PM	9:29 PM
Jul 23	8:51 PM	9:23 PM
Jul 30	8:44 PM	9:15 PM
Aug 6	8:36 PM	9:07 PM
Aug 13	8:27 PM	8:57 PM
Aug 20	8:17 PM	8:46 PM
Aug 27	8:06 PM	8:35 PM
Sep 3	7:55 PM	8:23 PM
Sep 10	7:43 PM	8:11 PM
Sep 17	7:31 PM	7:59 PM
Sep 24	7:19 PM	7:47 PM
Oct 1	7:08 PM	7:35 PM
Oct 8	6:56 PM	7:24 PM
Oct 15	6:45 PM	7:13 PM
Oct 22	6:35 PM	7:03 PM
Oct 29	6:25 PM	6:54 PM
Nov 5	5:17 PM	5:46 PM
Nov 12	5:10 PM	5:39 PM

Civil twilight begins in the morning when the center of the Sun is less than 6° below the horizon (the point of civil dawn). In the evening, civil twilight begins at sunset and ends when the center of the Sun is more than 6° below the horizon (the point of civil dusk). This is the limit at which twilight illumination is sufficient for terrestrial objects to be clearly distinguished.