

June 01, 2022 12:00:00 PM MDT

Object	Right ascens	Declination	Earth distance	Sun distance
Sun	04h 38m 42.0s	+22° 07' 21"	0	0
Mercury	03h 39m 00.1s	+15° 44' 50"	89,924,958	69,330,601
Venus	02h 13m 00.7s	+11° 15' 11"	183,182,314	108,856,605
Mars	00h 24m 00.3s	+00° 40' 53"	217,376,555	207,063,247
Ceres	05h 34m 23.9s	+26° 08' 38"	520,600,590	390,450,443
Jupiter	00h 16m 00.9s	+00° 27' 32"	788,031,331	742,994,944
Saturn	21h 51m 37.2s	-14° 09' 26"	1,430,052,383	1,479,041,551
Uranus	02h 55m 56.1s	+16° 22' 52"	3,084,185,431	2,947,261,190
Neptune	23h 44m 24.7s	-02° 57' 02"	4,509,861,091	4,475,538,027
Pluto	20h 03m 37.4s	-22° 29' 18"	5,062,053,722	5,166,428,480
Moon	06h 28m 56.8s	+26° 38' 39"	406,154	0

(Distances in km)

Object	Rise:	Tran	Set:	Phase	Constl	Magnitud
Sun	05:35	12:58	20:22	0.00%	Tau	unknown
Mercury	05:02	11:58	18:54	9.35%	Tau	2.6
Venus	03:52	10:32	17:13	78.05%	Ari	-4.0
Mars	02:39	08:43	14:48	87.28%	Psc	0.7
Ceres	07:10	14:51	22:32	99.50%	Gem	9.0
Jupiter	02:32	08:36	14:39	99.10%	Psc	-2.3
Saturn	00:58	06:12	11:26	99.76%	Cap	0.7
Uranus	04:17	11:15	18:13	99.99%	Ari	5.9
Neptune	02:12	08:04	13:56	99.97%	Psc	7.9
Pluto	23:36	04:23	09:05	99.99%	Sgr	14.3
Moon	06:57	14:51	22:43	4.54%	Gem	unknown

Meteor Radiant Report

Name	Month/Day	RA	Decl	Hourly Rate
Tau Herculids	06/03	15.2	39.0	15
Chi Scorpiids	06/05	16.5	-13.0	10
Daytime Arietids	06/07	2.9	23.0	50
Daytime Zeta Perseids	06/07	4.1	23.0	40
Librids	06/08	15.2	-28.3	10
Sagittariids	06/11	20.3	-35.0	30
Theta Ophiuchids	06/13	17.8	-28.0	2
June Lyrids	06/16	18.5	35.0	9
Corvids	06/26	12.8	-19.1	13
Draconids	06/28	16.9	56.0	5
June Bootids	06/28	14.6	49.0	6
Daytime Beta Taurids	06/29	5.7	19.0	25

Equinox/Solstice Report

Vernal equinox: 3/20/22 8:34 AM STD
 Summer solstice: 6/21/22 2:14 AM STD
 Autumnal equinox: 9/22/22 6:05 PM STD
 Winter solstice: 12/21/22 2:49 PM STD

June 01, 2022 12:00:00 PM MDT

Date	Moonrise	Moonset	Sunrise	Sunset	Begin Twilight	End Twilight
6/1/22	06:58	22:46	05:35	20:21	03:38	22:19
6/2/22	07:49	23:32	05:34	20:22	03:37	22:20
6/3/22	08:46	-----	05:34	20:23	03:36	22:21
6/4/22	09:46	00:11	05:34	20:23	03:35	22:22
6/5/22	10:48	00:44	05:33	20:24	03:35	22:23
6/6/22	11:51	01:14	05:33	20:25	03:34	22:24
6/7/22	12:54	01:40	05:33	20:25	03:34	22:25
6/8/22	13:59	02:03	05:33	20:26	03:33	22:26
6/9/22	15:05	02:27	05:33	20:26	03:33	22:26
6/10/22	16:15	02:52	05:32	20:27	03:32	22:27
6/11/22	17:29	03:20	05:32	20:27	03:32	22:28
6/12/22	18:47	03:52	05:32	20:28	03:32	22:28
6/13/22	20:06	04:32	05:32	20:28	03:31	22:29
6/14/22	21:21	05:23	05:32	20:29	03:31	22:30
6/15/22	22:25	06:25	05:32	20:29	03:31	22:30
6/16/22	23:18	07:37	05:32	20:29	03:31	22:31
6/17/22	24:00	08:54	05:32	20:30	03:31	22:31
6/18/22	-----	10:10	05:33	20:30	03:31	22:31
6/19/22	00:33	11:23	05:33	20:30	03:31	22:32
6/20/22	01:01	12:32	05:33	20:30	03:31	22:32
6/21/22	01:26	13:38	05:33	20:31	03:31	22:32
6/22/22	01:49	14:41	05:33	20:31	03:32	22:32
6/23/22	02:12	15:44	05:34	20:31	03:32	22:32
6/24/22	02:37	16:46	05:34	20:31	03:32	22:32
6/25/22	03:04	17:48	05:34	20:31	03:33	22:32
6/26/22	03:36	18:49	05:35	20:31	03:33	22:32
6/27/22	04:12	19:48	05:35	20:31	03:34	22:32
6/28/22	04:55	20:42	05:35	20:31	03:34	22:32
6/29/22	05:45	21:30	05:36	20:31	03:35	22:32
6/30/22	06:40	22:11	05:36	20:31	03:36	22:32

'-----' means the event does not occur on this date.