

April 01, 2021 12:00:00 PM MDT

Object	Right ascens	Declination	Earth distance	Sun distance
Sun	00h 44m 58.1s	+04° 49' 46"	0	0
Mercury	23h 48m 10.1s	-03° 47' 54"	189,341,367	62,811,320
Venus	00h 52m 58.9s	+04° 19' 10"	257,803,741	108,526,851
Mars	05h 02m 24.4s	+24° 15' 56"	264,406,789	241,761,650
Ceres	01h 06m 55.1s	-00° 34' 46"	584,927,674	436,825,782
Jupiter	21h 43m 42.5s	-14° 20' 38"	847,833,415	757,862,452
Saturn	20h 56m 09.5s	-17° 50' 55"	1,559,042,282	1,491,808,973
Uranus	02h 27m 11.1s	+14° 07' 21"	3,088,731,327	2,956,089,118
Neptune	23h 30m 15.7s	-04° 22' 45"	4,616,207,367	4,476,762,569
Pluto	19h 55m 47.7s	-22° 09' 20"	5,159,236,499	5,124,073,388
Moon	16h 19m 12.3s	-21° 33' 36"	365,012	0

(Distances in km)

Object	Rise:	Tran	Set:	Phase	Constl	Magnitud
Sun	06:44	13:04	19:24	0.00%	Psc	unknown
Mercury	06:16	12:07	17:58	86.66%	Aqr	-0.5
Venus	06:55	13:12	19:30	99.94%	Psc	-3.9
Mars	09:50	17:21	00:52	91.46%	Tau	1.3
Ceres	07:26	13:26	19:27	99.50%	Cet	9.0
Jupiter	04:49	10:03	15:16	99.45%	Cap	-2.1
Saturn	04:15	09:15	14:16	99.81%	Cap	0.8
Uranus	07:55	14:45	21:35	99.99%	Ari	5.9
Neptune	06:01	11:49	17:36	100.00%	Aqr	8.0
Pluto	03:30	08:14	12:58	99.98%	Sgr	14.4
Moon	00:27	04:23	09:21	78.72%	Sc0	unknown

Meteor Radiant Report

Name	Month/Day	RA	Decl	Hourly Rate
Alpha Virginids	04/09	13.3	-13.0	8
Sigma Leonids	04/17	13.0	-5.0	12
April Lyrids	04/22	18.1	33.6	12
Pi Puppids	04/23	7.3	-45.0	10
Mu Virginids	04/25	14.7	-5.0	7
Alpha Bootids	04/28	14.5	19.0	8

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Date	Moonrise	Moonset	Sunrise	Sunset	Begin Twilight	End Twilight
4/1/21	-----	09:22	06:43	19:25	05:12	20:57
4/2/21	00:32	10:07	06:42	19:26	05:10	20:58
4/3/21	01:43	11:01	06:40	19:27	05:08	20:59
4/4/21	02:44	12:01	06:39	19:28	05:06	21:00
4/5/21	03:36	13:05	06:37	19:29	05:04	21:02
4/6/21	04:18	14:11	06:36	19:30	05:03	21:03
4/7/21	04:54	15:16	06:34	19:31	05:01	21:04
4/8/21	05:24	16:19	06:32	19:32	04:59	21:06
4/9/21	05:50	17:21	06:31	19:33	04:57	21:07
4/10/21	06:14	18:21	06:29	19:34	04:55	21:08
4/11/21	06:37	19:20	06:28	19:35	04:53	21:10
4/12/21	07:00	20:19	06:26	19:36	04:51	21:11
4/13/21	07:25	21:18	06:25	19:37	04:50	21:12
4/14/21	07:52	22:18	06:23	19:38	04:48	21:14
4/15/21	08:21	23:18	06:22	19:39	04:46	21:15
4/16/21	08:57	-----	06:20	19:40	04:44	21:16
4/17/21	09:38	00:15	06:19	19:41	04:42	21:18
4/18/21	10:26	01:11	06:18	19:41	04:40	21:19
4/19/21	11:22	02:02	06:16	19:42	04:39	21:20
4/20/21	12:23	02:48	06:15	19:43	04:37	21:22
4/21/21	13:30	03:28	06:13	19:44	04:35	21:23
4/22/21	14:38	04:03	06:12	19:45	04:33	21:25
4/23/21	15:50	04:35	06:11	19:46	04:31	21:26
4/24/21	17:02	05:04	06:09	19:47	04:30	21:27
4/25/21	18:16	05:34	06:08	19:48	04:28	21:29
4/26/21	19:34	06:03	06:07	19:49	04:26	21:30
4/27/21	20:52	06:36	06:05	19:50	04:24	21:32
4/28/21	22:11	07:13	06:04	19:51	04:23	21:33
4/29/21	23:26	07:57	06:03	19:52	04:21	21:35
4/30/21	-----	08:49	06:02	19:53	04:19	21:36

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