

February 01, 2021 12:00:00 PM MST

Object	Right ascens	Declination	Earth distance	Sun distance
Sun	21h 02m 25.4s	-16° 52' 24"	0	0
Mercury	21h 50m 02.6s	-10° 38' 24"	111,069,465	46,648,360
Venus	20h 10m 22.8s	-20° 43' 52"	247,454,788	108,847,817
Mars	02h 40m 27.6s	+16° 57' 41"	179,492,022	231,929,842
Ceres	23h 45m 39.4s	-10° 36' 44"	543,040,271	441,313,719
Jupiter	20h 51m 22.6s	-18° 10' 59"	907,901,221	760,717,577
Saturn	20h 31m 21.2s	-19° 20' 11"	1,639,204,244	1,493,279,618
Uranus	02h 18m 42.9s	+13° 23' 45"	2,969,736,884	2,957,257,971
Neptune	23h 22m 19.4s	-05° 13' 19"	4,595,078,605	4,476,916,511
Pluto	19h 49m 43.7s	-22° 18' 31"	5,258,275,030	5,118,234,507
Moon	12h 21m 44.0s	+02° 04' 52"	371,227	0

(Distances in km)

Object	Rise:	Tran	Set:	Phase	Constl	Magnitud
Sun	07:07	12:14	17:21	0.00%	Cap	unknown
Mercury	07:35	13:01	18:27	15.19%	Cap	1.4
Venus	06:31	11:22	16:12	97.66%	Cap	-3.9
Mars	10:50	17:51	00:54	88.60%	Ari	0.5
Ceres	09:30	14:57	20:24	99.50%	Aqr	9.4
Jupiter	07:03	12:02	17:02	100.00%	Cap	-2.0
Saturn	06:47	11:43	16:38	100.00%	Cap	0.6
Uranus	10:42	17:29	00:20	99.94%	Ari	5.8
Neptune	08:48	14:33	20:18	99.99%	Aqr	7.9
Pluto	06:17	11:00	15:43	100.00%	Sgr	14.4
Moon	21:53	03:18	09:41	81.22%	Vir	unknown

Meteor Radiant Report

Name	Month/Day	RA	Decl	Hourly Rate
Alpha Centaurids	02/08	14.0	-59.0	10
Delta Leonids	02/26	10.6	19.0	24

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Date	Moonrise	Moonset	Sunrise	Sunset	Begin Twilight	End Twilight
2/1/21	21:55	09:41	07:07	17:21	05:35	18:53
2/2/21	23:05	10:09	07:06	17:22	05:34	18:54
2/3/21	-----	10:38	07:05	17:23	05:34	18:55
2/4/21	00:16	11:10	07:04	17:24	05:33	18:56
2/5/21	01:28	11:45	07:03	17:25	05:32	18:57
2/6/21	02:40	12:27	07:02	17:27	05:31	18:58
2/7/21	03:50	13:17	07:01	17:28	05:30	18:59
2/8/21	04:54	14:14	07:00	17:29	05:29	19:00
2/9/21	05:50	15:18	06:59	17:30	05:28	19:01
2/10/21	06:37	16:24	06:58	17:31	05:27	19:02
2/11/21	07:17	17:32	06:56	17:33	05:26	19:03
2/12/21	07:50	18:37	06:55	17:34	05:25	19:04
2/13/21	08:18	19:40	06:54	17:35	05:24	19:05
2/14/21	08:43	20:41	06:53	17:36	05:23	19:06
2/15/21	09:08	21:41	06:52	17:37	05:22	19:07
2/16/21	09:31	22:39	06:50	17:38	05:20	19:08
2/17/21	09:55	23:38	06:49	17:40	05:19	19:09
2/18/21	10:21	-----	06:48	17:41	05:18	19:10
2/19/21	10:51	00:37	06:46	17:42	05:17	19:12
2/20/21	11:26	01:37	06:45	17:43	05:16	19:13
2/21/21	12:06	02:36	06:44	17:44	05:14	19:14
2/22/21	12:55	03:34	06:42	17:45	05:13	19:15
2/23/21	13:51	04:28	06:41	17:46	05:12	19:16
2/24/21	14:55	05:17	06:39	17:47	05:10	19:17
2/25/21	16:03	06:00	06:38	17:48	05:09	19:18
2/26/21	17:15	06:37	06:36	17:50	05:07	19:19
2/27/21	18:27	07:11	06:35	17:51	05:06	19:20
2/28/21	19:40	07:41	06:34	17:52	05:05	19:21

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