

# 2020 Astronomy Calendar

## Base Document for

### BCAS Meeting & Event Dates

(subject to change)

Dates of eclipses, lunar phases, apsides referenced to Universal Time (UTC):

MST = UTC – (minus) 7 hours





MDT = UTC – (minus) 6 hours

BCAS – BCAS monthly meeting (with location)





BLCA – night sky event at Black Canyon of the Gunnison N. P.

Data: NASA, U. S. Naval Observatory, IMO, Stellarium, and other sources





# January, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1 New Year's	2	3  3 Quadrantid Meteors	4
5 Earth @ Perihelion	6	7	8	9 BCAS Delta	10  10 Penumbral Lunar Eclipse (E. Hemisphere)	11
12	13	14	15	16	17 	18
19	20 MLK Day (US)	21	22	23	24 	25
26	27 Moon near Venus/Neptune PM (<0.3 °)	28	29	30	31	1






# February, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2 	3	4	5	6 <div style="border: 1px solid blue; padding: 2px; display: inline-block;"><b>BCAS Montrose</b></div>	7	8
9 	10 Mercury @ E. Elongation	11	12	13	14	15 
16	17 Presidents' Day (US)	18 Mars Lunar Occultation	19	20	21	22
23 	24	25	26	27	28	29





# March, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 	3 <b>WCAC</b> Art Trevena "Deep-Space Deep-Time ..."	4	5	6	7
8	9  Venus/Uranus PM (3 °)	10	11	12 <b>BCAS</b> Delta	13	14
15	16 	17	18	19	20 Equinox 03:50 UTC Jupiter/Mars AM (1°)	21
22	23 Mercury @ W. Elongation	24  Venus @ E. Elongation	25	26	27	28
29	30	31 Saturn /Mars AM (1°)	1	2	3	4





# April, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	 1	2	3	4
5	6	7	 8	9	10	11
12 Easter	13	 14	15	16	17	18
19	20	21	22	 23	24	25
					Ramadan begins	
26	27	28	29	 30	1	2





# May, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	1	2
3	4	5 Eta Aquariid Meteors	6	7  BCAS Delta	8	9
10	11	12	13	14 	15	16 Ridgway
17	18	19	20 BLCA	21 Venus/Mercury PM (1°)	22  BLCA	23
24 Ridgway backup?	25 Memorial Day (US)	26	27 BLCA	28	29 BLCA	30 
31	1	2	3	4	5	6

# June, 2020





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1	2 <b>WCAC</b> Bryan Cashion "Dark Matter, Dark Energy..."	3	4 Mercury @ E. Elongation	 5 Penumbral Lunar Eclipse (E. Hemisphere)	6
7	8	9	10	11 <b>BCAS</b> Montrose	12	 13 <b>Montrose Lib.</b>
14	15	16	17 <b>BLCA</b>	18	19 <b>BLCA</b>	20 Solstice 21:44 UTC
 21 Annular Solar Eclipse (E. Hemisphere)	22	23	24 <b>BLCA</b>	25	26 <b>BLCA</b>	27
 28	29	30	1	2	3	4

# July, 2020





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	1	2	3	4 Earth @ Aphelion Independence Day (US)
 5 Penumbral Lunar Eclipse	6	7 Tanabata (Star Festival, Japan)	8	9 <b>BCAS</b> <b>Montrose</b>	10	11 <b>Dark Skies</b> <b>Paonia</b>
 12	13	14 Jupiter @ Opposition	15 <b>BLCA</b>	16	17 <b>BLCA</b>	18
19	 20 Saturn @ Opposition	21	22 Mercury @ W Elongation <b>BLCA</b>	23	24 <b>BLCA</b>	25
26	 27	28	29	30	31	1








# August, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	 3	4	5	6 <b>BCAS Montrose</b>	7	8
9	10	 11	12 Venus @ W. Elongation <b>BLCA</b> Perseid Meteors	13	14 <b>BLCA</b>	15
16	17	18	 19 <b>BLCA</b>	20	21 <b>BLCA</b>	22
23	24	 25	26	27	28	29
30	31	1	2	3	4	5





# September, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	 2	<b>BCAS Delta</b>	4	5
6	7 Labor Day (US)	8	9	 10	11 Neptune @ Opposition <b>BLCA</b>	12
13	14	15	16	 17	18	19 Rosh Hashana
<b>BLCA Astro-Fest</b>						
20	21	22 Equinox 13:31 UTC	<b>BLCA</b>	 24	25 <b>Fort Uncompahgre?</b>	26
27	28	29	30	1	2	3





# October, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	 1 Mercury @ E. Elongation	2	3
4	5	6	7	<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> <b>BCAS Montrose</b> </div>	9	 10
11	12	13 Mars @ Opposition	14	15	 16	17
18	19	<div style="border: 1px solid blue; padding: 5px; display: inline-block;">                     Orionid Meteors                 </div>		22	 23	24
25	26	27	28	29	30	 31 Uranus @ Opposition

# November, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
 8	9	10 Mercury @ W. Elongation	11	12	13	14
 15	16 Leonid Meteors	17	18	19	20	21
 22	23	24	25	26 Thanksgiving Day (US)	27	28
29	 30 Penumbral Lunar Eclipse	1	2	3	4	5

# December, 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4	5
6	7	 8	9	10	11	12
13	 14 Total Solar Eclipse Chile, Argentina Geminid Meteors	15	16	17	18	19
20	 21 Solstice 10:02 UTC Jupiter/Saturn PM (0.1°)	22	23	24	25 Christmas	26
27	28	29	 30	31	1	2

## Lunar Phases for 2020. From U.S. Naval Observatory

Date and Time (Universal Time)			
New Moon	First Quarter	Full Moon	Last Quarter
--	2020 Jan 03 04:45	2020 Jan 10 19:21	2020 Jan 17 12:58
2020 Jan 24 21:42	2020 Feb 02 01:42	2020 Feb 09 07:33	2020 Feb 15 22:17
2020 Feb 23 15:32	2020 Mar 02 19:57	2020 Mar 09 17:48	2020 Mar 16 09:34
2020 Mar 24 09:28	2020 Apr 01 10:21	2020 Apr 08 02:35	2020 Apr 14 22:56
2020 Apr 23 02:26	2020 Apr 30 20:38	2020 May 07 10:45	2020 May 14 14:03
2020 May 22 17:39	2020 May 30 03:30	2020 Jun 05 19:12	2020 Jun 13 06:24
2020 Jun 21 06:41	2020 Jun 28 08:16	2020 Jul 05 04:44	2020 Jul 12 23:29
2020 Jul 20 17:33	2020 Jul 27 12:32	2020 Aug 03 15:59	2020 Aug 11 16:45
2020 Aug 19 02:42	2020 Aug 25 17:58	2020 Sep 02 05:22	2020 Sep 10 09:26
2020 Sep 17 11:00	2020 Sep 24 01:55	2020 Oct 01 21:05	2020 Oct 10 00:39
2020 Oct 16 19:31	2020 Oct 23 13:23	2020 Oct 31 14:49	2020 Nov 08 13:46
2020 Nov 15 05:07	2020 Nov 22 04:45	2020 Nov 30 09:30	2020 Dec 08 00:36
2020 Dec 14 16:16	2020 Dec 21 23:41	2020 Dec 30 03:28	--