



May 2019 Skies

Come to our monthly Sky Watchers meetings
 Details at www.sky-watchers.co and
 Facebook: CoalCreekCanyonSkyWatchers



www.sky-watchers.co

Coal Creek Canyon, CO
10pm Early May
9 pm Mid May
8pm Late May

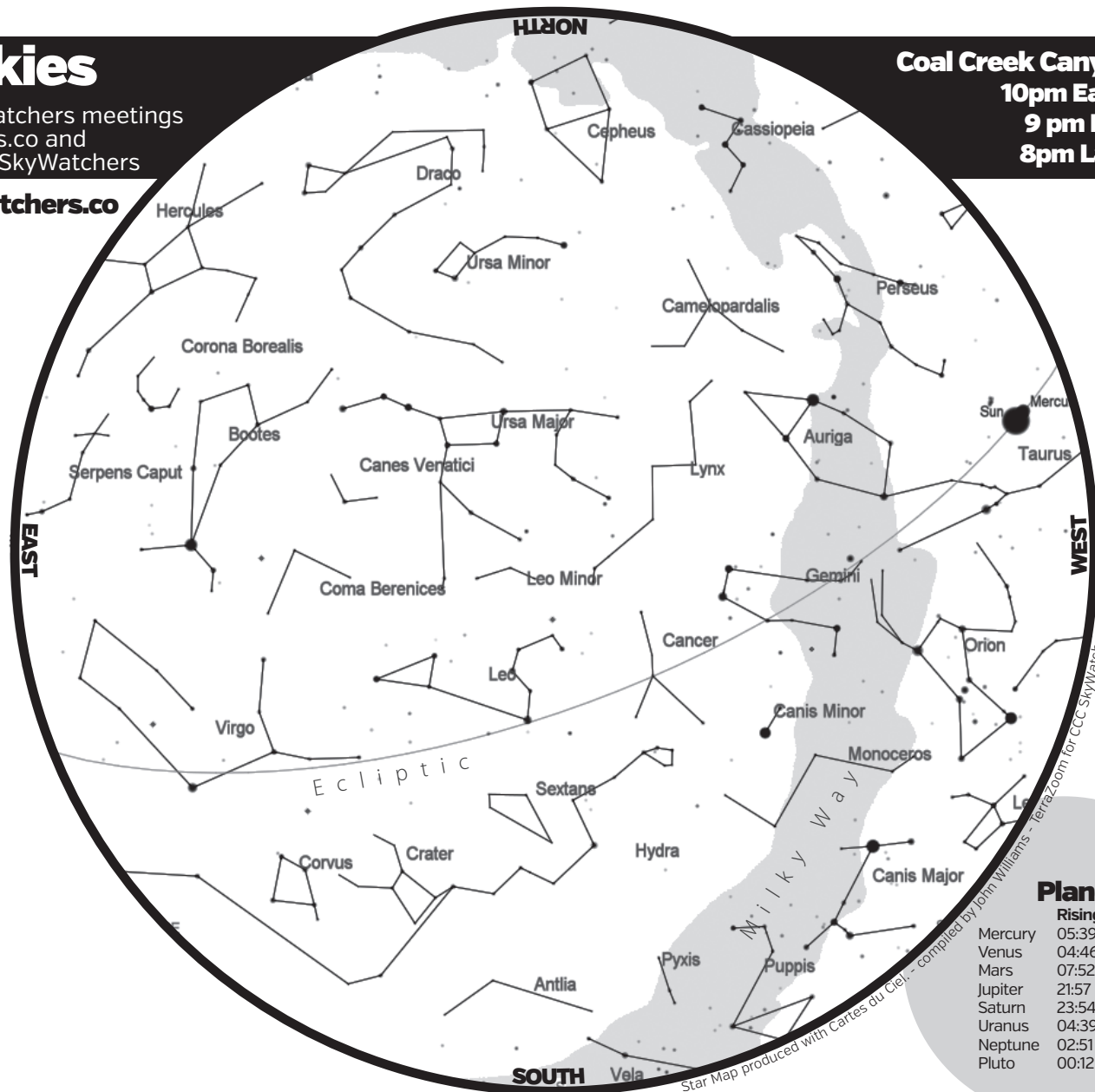
Sky Events - May 2019

- 18 Full (Pink, Blue) Moon
- 20 Moon near Jupiter
- 22 Moon near Saturn
- 26 Last Quarter Moon

ISS, Tiangong 2 and Hubble Passes

Date	Satellite	Start/End & Direction	Magnitude
19	ISS	00:15 NNW - 17:43 NNE	-0.3
19	ISS	01:52 NNW - 01:55 NE	-0.4
19	ISS	03:28 NW - 03:34 ESE	-2.6
19	ISS	05:05 W - 05:10 S	-2.5
19	ISS	21:44 WSW - 21:51 NE	-2.7
29	Tiangong 2	22:02 WSW - 22:05 SSE	0.8
19	ISS	23:23 NW - 23:27 NNW	-0.5
20	ISS	01:01 NNW - 01:04 NNE	-0.3
20	ISS	02:37 NW - 02:43 E	-1.6
20	ISS	04:13 WNW - 04:20 SSE	-3.4
20	ISS	20:53 SW - 21:00 NE	-3.8
20	Tiangong 2	21:02 SW - 21:08 E	1.4
20	ISS	22:31 WNW - 22:36 NNE	-0.8
21	ISS	00:10 NNW - 00:12 NNE	-0.3
21	ISS	01:46 NNW - 01:47 NNW	-0.7
21	Tiangong 2	21:39 WSW - 21:44 ENE	1.1
21	ISS	21:40 W - 21:45 NNE	-1.2
21	Tiangong 2	23:16 WNW - 23:17 WNW	3.7
22	ISS	00:56 NNW - 00:57 N	-0.6
22	ISS	20:48 W - 20:54 NE	-2.0
22	Tiangong 2	22:16 W - 22:20 NE	1.9
22	ISS	22:27 NW - 22:30 NNE	-0.5
23	ISS	00:05 NNW - 00:08 NNE	-0.6
23	Tiangong 2	21:15 W - 21:22 ENE	1.6
23	ISS	21:35 NW - 21:40 NNE	-0.7
23	Tiangong 2	22:52 WNW - 22:55 NW	2.5
23	ISS	23:14 NNW - 23:16 NNE	-0.5
24	ISS	00:50 NNW - 00:51 NNE	-0.6
24	ISS	20:44 WNW - 20:49 NNE	-1.0
24	Tiangong 2	21:52 WNW - 21:57 ENE	2.0
24	ISS	22:23 - 22:25 NNE	-0.5
24	Tiangong 2	23:29 WNW - 23:29 WNW	4.0
25	Tiangong 2	20:52 W - 50:58 ENE	2.0
25	ISS	21:31 NNW - 21:34 NNE	-0.6
25	Tiangong 2	22:29 WNW - 22:32 N	1.3
25	ISS	23:09 NNW - 23:12 NE	-0.8
26	ISS	00:44 NW - 00:45 NW	-0.6
26	Tiangong 2	21:29 WNW - 21:35 E	1.7
26	ISS	22:18 NNW - 22:20 NNE	-0.7
26	Tiangong 2	23:06 WNW - 23:07 W	3.4
26	ISS	23:54 NW - 23:55 N	-1.2
27	ISS	21:27 NNW - 21:29 NNE	-0.7
27	Tiangong 2	22:06 WNW - 22:09 ESE	0.9
27	ISS	23:03 NNW - 23:06 NE	-1.5
28	Tiangong 2	21:05 WNW - 21:12 E	1.4
28	ISS	22:12 NNW - 22:16 NE	-1.0
28	Tiangong 2	22:42 W - 22:44 WSW	2.9
28	ISS	23:48 NW - 23:49 NW	-1.4
29	ISS	21:21 NNW - 21:24 NE	-0.9
29	ISS	22:57 NW - 23:00 NNE	-2.4
30	ISS	22:06 NNW - 22:11 ENE	-1.8
30	ISS	23:42 WNW - 23:43 WNW	-1.3
31	ISS	21:15 NNW - 21:20 ENE	-1.3
31	ISS	22:51 NW - 22:54 NNW	-3.4

All Iridium satellites that "flare" were deorbited by end of 2018. No more Iridium flares.



Planets

	Rising	Setting
Mercury	05:39	19:58
Venus	04:46	18:07
Mars	07:52	22:51
Jupiter	21:57	07:17
Saturn	23:54	09:22
Uranus	04:39	18:01
Neptune	02:51	14:12
Pluto	00:12	09:33

Orbital Information:

Tiangong 2: 380 x 389 km, 42.8°
 ISS: 408 x 411 km, 51.6°
 Hubble: 537 x 540 km, 28.5°

* denotes that prediction accuracy may be off by several seconds.

For Iridium flares first number in magnitude area is the magnitude of the satellite before the flare; number in parenthesis indicates the magnitude of the flare itself

For more International Space Station (ISS) pass information: <http://heavens-above.com/PassSummary.aspx?satid=25544&lat=39.9271&lng=-105.3706&loc=Boulder&alt=2357&tz=MST>

For more Iridium flare information: <http://heavens-above.com/IridiumFlares.aspx?lat=39.9271&lng=-105.3706&loc=Boulder&alt=2357&tz=MST>