



April 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 April
9 pm Mid April
8pm Late April

Sky Events - April 2019

- 02 Moon near Mercury
- 05 New Moon
- 09 Moon near Mars
- 09 Moon near Aldebaran
- 11 Mercury - Greatest Western Elongation [morning sky]
- 12 First Quarter Moon
- 13 Moon near Beehive Cluster
- 14 Mars near Aldebaran
- 16 Mercury near Venus
- 19 Full [Pink, Sprouting Grass, Egg, Fish] Moon and SuperMoon
- 22 Lyrids Meteor Shower
- 23 Moon near Jupiter
- 25 Moon near Saturn
- 26 Last Quarter Moon

May 4 Sky Watchers Meeting - 7pm @ Hall

ISS, Tiangong 2 and Hubble Passes

Date	Satellite	Start/End & Direction	Magnitude
01	Tiangong 2	21:05 W - 21:08 N	1.2
01	ISS	21:34 NNW - 21:36 N	-1.5
02	Tiangong 2	20:05 WSW - 20:11 ENE	1.0
02	ISS	20:44 NNW - 20:47 NE	-1.6
02	Tiangong 2	21:42 WNW - 21:44 WNW	3.5
03	ISS	19:53 NNW - 19:57 NE	-1.3
03	Tiangong 2	20:43 W - 20:47 ENE	1.7
03	ISS	21:29 NW - 20:31 NNW	-2.3
04	ISS	20:38 NW - 20:42 ENE	-2.4
04	Tiangong 2	21:20 WNW - 21:23 NNW	2.0
05	Tiangong 2	20:20 WNW - 20:26 ENE	1.8
05	ISS	21:24 WNW - 21:27 W	-3.2
06	ISS	20:33 NW - 20:38 ESE	-3.7
06	Tiangong 2	20:58 WNW - 21:01 ENE	1.4
07	Tiangong 2	19:58 WNW - 20:04 E	1.7
07	ISS	21:19 WNW - 21:22 SW	-2.1
07	Tiangong 2	21:35 WNW - 21:37 W	2.7
08	ISS	20:28 WNW - 20:34 SSE	-3.1
08	Tiangong 2	20:35 WNW - 20:40 E	1.0
09	Tiangong 2	21:12 W - 21:15 SSW	1.8
10	Tiangong 2	20:13 WNW - 20:18 ESE	1.1
10	ISS	20:24 W - 20:28 S	-1.4
11	Tiangong 2	20:50 W - 20:54 S	2.8
13	Tiangong 2	20:28 WNW - 20:31 S	3.7
25	Hubble	04:55 S - 04:57 SSE	3.1
26	Hubble	04:45 S - 04:47 SE	2.9
26	ISS	05:12 SE - 05:14 ESE	-0.9

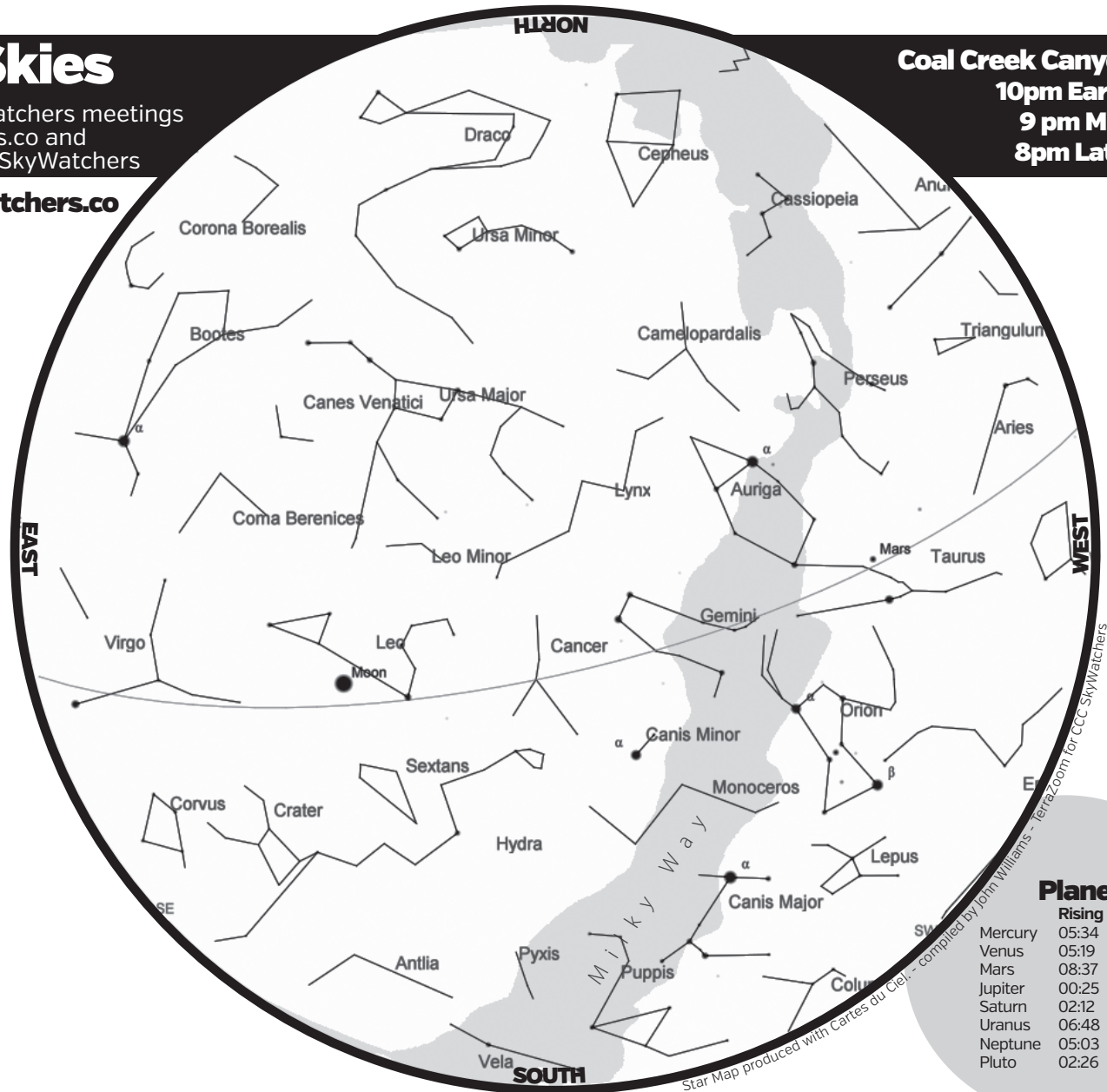
27	Hubble	04:35 S - 04:37 SE	2.8
28	Hubble	04:25 SSE - 04:27 SE	2.8
28	ISS	05:04 SSW - 05:10 ENE	-2.2
29	Hubble	04:15 SSE - 04:16 SE	2.8
29	ISS	04:15 SSE - 04:18 E	-1.5
30	Hubble	04:05 SSE - 04:06 SE	3.0
30	ISS	04:59 SW - 05:04 NE	-3.8

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

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



Planets

	Rising	Setting
Mercury	05:34	17:14
Venus	05:19	16:54
Mars	08:37	23:22
Jupiter	00:25	09:40
Saturn	02:12	11:37
Uranus	06:48	20:05
Neptune	05:03	16:21
Pluto	02:26	11:48