



July 2020 Skies

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



www.sky-watchers.co

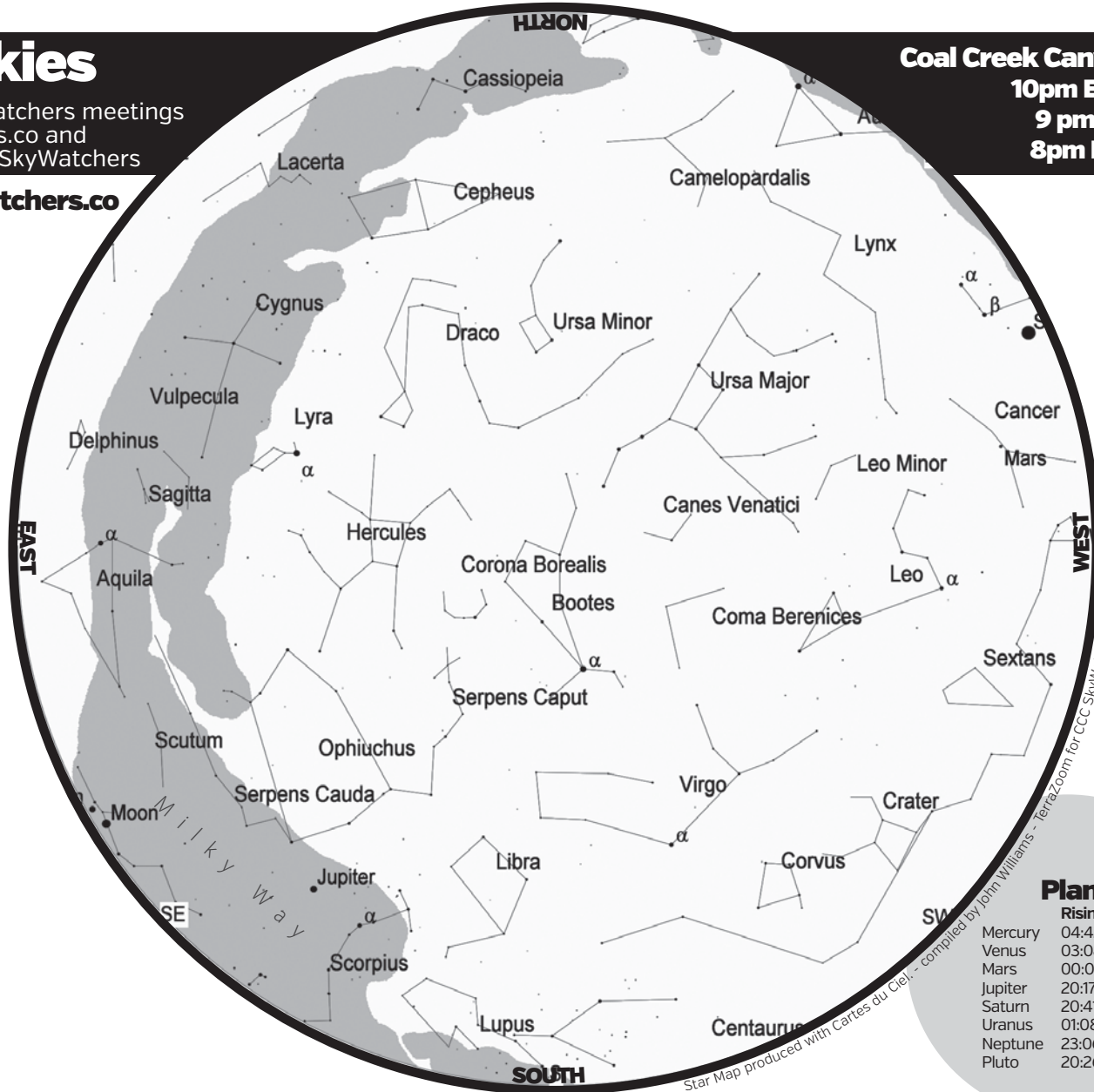
Coal Creek Canyon, CO
10pm Early July
9 pm Mid July
8pm Late July

Sky Events - July 2020

- 05 Full (Buck, Thunder, Hay) Moon
- 05 Penumbral Lunar Eclipse
- 05 Moon near Jupiter
- 12 Last Quarter Moon
- 14 Jupiter at Opposition (brightest of year)
- 20 New Moon
- 20 Saturn at Opposition (brightest of year)
- 22 Mercury at Greatest Western Elongation (morning sky)
- 27 First Quarter Moon
- 28,29 Delta Aquarids Meteor Shower

ISS Passes

Date	Satellite	Start/End & Direction	Magnitude
04	ISS	03:07 NW - 03:11 NE	-2.8
04	ISS	04:43 NW - 04:47 NNE	-1.0
05	ISS	02:21 NE - 02:23 NE	-2.0
05	ISS	03:55 WNW - 03:59 NNE	-1.1
06	ISS	03:08 NW - 03:12 NNE	-1.5
06	ISS	04:46 NNW - 04:48 NNE	-0.7
07	ISS	02:22 NNW - 02:25 NNE	-1.8
07	ISS	03:58 NNW - 04:01 NNE	-0.7
08	ISS	01:36 NNE - 01:37 NE	-1.2
08	ISS	03:10 NW - 03:13 NNE	-0.8
08	ISS	04:48 NNW - 04:51 NE	-0.7
09	ISS	02:22 NW - 02:26 NNE	-1.0
09	ISS	04:00 NNW - 04:03 NNE	-0.5
10	ISS	01:36 NNW - 01:38 NNE	-1.1
10	ISS	03:12 NNW - 03:15 NNE	-0.5
10	ISS	04:49 NNW - 04:54 ENE	-0.8
11	ISS	00:49 NNW - 00:1 NE	-1.0
11	ISS	02:24 NNW - 02:27 NNE	-0.5
11	ISS	04:02 NNW - 04:05 NE	-0.6
12	ISS	01:36 NW - 01:39 NNE	-0.5
12	ISS	03:14 NNW - 03:17 NE	-0.4
12	ISS	04:50 NW - 04:56 E	-1.7
12	ISS	23:15 NE - 23:16 NE	-1.1
13	ISS	00:48 NW - 00:52 NNE	-0.7
13	ISS	02:26 NNW - 02:29 NNE	-0.3
13	ISS	04:03 NNW - 04:08 ENE	-1.1
13	ISS	22:21 SW - 22:28 ENE	-3.9
14	ISS	01:38 NNW - 01:41 NNE	-0.2
14	ISS	03:15 NNW - 03:20 ENE	-0.7
14	ISS	04:51 NW - 04:58 SE	-3.7
14	ISS	21:34 SSW - 21:40 ENE	-3.3
14	ISS	23:11 W - 23:17 NE	-1.6
15	ISS	00:50 NNW - 00:53 NNE	-0.2
15	ISS	02:28 NNW - 04:02:31 NE	-0.4
15	ISS	04:04 NW - 04:10 ESE	-2.7
15	ISS	22:23 WSW - 22:29 NE	-2.4
16	ISS	00:02 NW - 00:05 NNE	-0.4
16	ISS	01:40 NNW - 01:43 NE	-0.3
16	ISS	03:16 NW - 03:22 E	-1.8
16	ISS	04:53 WNW - 04:59 SSE	-3.0
16	ISS	21:35 WSW - 21:42 NE	-3.4
16	ISS	23:13 WSW - 23:18 NNE	-0.6
17	ISS	00:52 NNW - 00:55 NNE	-0.2
17	ISS	02:28 NNW - 02:34 ENE	-1.2
17	ISS	04:05 WNW - 04:11 SE	-3.8
17	ISS	22:25 WNW - 22:30 NNE	-0.9
18	ISS	00:04 NNW - 00:07 NNE	-0.3
18	ISS	01:41 NNW - 01:44 NNE	-0.9
18	ISS	21:37 W - 21:43 NE	-1.5
18	ISS	23:16 NNW - 23:19 NNE	-0.4
19	ISS	00:53 NNW - 00:56 NNE	-0.6
19	ISS	22:28 NW - 22:31 NNE	-0.6
20	ISS	00:06 NNW - 00:09 NE	-0.5
20	ISS	21:39 WNW - 21:44 NNE	-0.7
20	ISS	23:18 NNW - 23:20 NNE	-0.5
21	ISS	00:54 NNW - 00:55 NNW	-0.6
21	ISS	22:30 NNW - 22:32 NNE	-0.5
22	ISS	00:07 NNW - 00:09 N	-0.9
22	ISS	21:42 NNW - 21:44 NNE	-0.6
22	ISS	23:19 NNW - 23:22 NE	-0.9
23	ISS	20:53 NW - 20:57 NNE	-0.8
23	ISS	22:31 NNW - 22:34 NE	-0.8



Planets

	Rising	Setting
Mercury	04:42	18:58
Venus	03:08	17:11
Mars	00:06	12:09
Jupiter	20:17	05:42
Saturn	20:41	06:16
Uranus	01:08	14:45
Neptune	23:06	10:36
Pluto	20:26	05:48

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