

HIGHLAND ROAD PARK OBSERVATORY
Edge of Night (2021 Winter Session)
Viewing Itinerary

6:10pm = "civil twilight" begins (*search for crepuscular rays*)
~6:21pm = appearance of star Sirius [mag -1.6]
6:35pm = "civil twilight" ends; "nautical twilight" begins
~6:36pm = appearance of star Capella [mag 0.0] and star Rigel [mag 0.1]
~6:38pm = appearance of star Procyon [mag 0.3]
~6:39pm = appearance of star Betelgeuse [mag 0.4]
~6:42pm = appearance of star Aldebaran [mag 0.6]
~6:45pm = appearance of planet Mars [mag 1.1]
~6:46pm = appearance of Pleiades Star Cluster [mag 1.2]
~6:50pm = appearance of star Bellatrix [mag 1.6]
~6:53pm = appearance of star Polaris (the North Star) [mag 1.9]
~6:54pm = appearance of star Saiph [mag 2.0]
6:54pm to 7:14pm = possible sighting of low star Canopus [mag -0.9]
~6:55pm = appearance of The Belt of Orion [mag 2.2]
7:00pm to 7:11pm = magnitude 2.3 pass of H-IIA 202 rocket body
7:03pm = "nautical twilight" ends; "astronomical twilight" begins
7:05pm to 7:14pm = magnitude 1.4 pass of SJ-16-02 (unknown Chinese)
~7:06pm = appearance of The Kids of Auriga [mag 3.6]
7:07pm to 7:17pm = magnitude 2.5 pass of Cosmos 2278 rocket body
~7:12pm = appearance of The Orion Nebula [mag 4.0]
7:21pm to 7:31pm = magnitude 2.3 pass SL-16 rocket body
7:30pm to 7:32pm = magnitude 2.4 pass of Abrixas rocket body
7:30pm to 7:35pm = magnitude 1.6 pass of Hubble Space Telescope
7:31pm = "astronomical twilight" ends; night begins
The various twilights will be explained.

Useful Notes

- *The lower the magnitude, the brighter the object.
- *Binoculars will be extremely helpful.
- *This event takes place during Standard Time. When Daylight Time is in effect, skygazers are forced to wait an "extra hour" to see the same stuff.

Stellar Classes

O (blue)	---
B (blue-white)	Rigel / Bellatrix / Saiph / all three Orion Belt stars
A (white)	Sirius / Canopus
F (yellow-white)	Procyon / Polaris
G (yellow)	Capella
K (orange)	Betegeuse / Aldebaran
M (red)	---

*The classes can be remember using the mnemonic:
"Oh! Be a fine girl, kiss me!"*