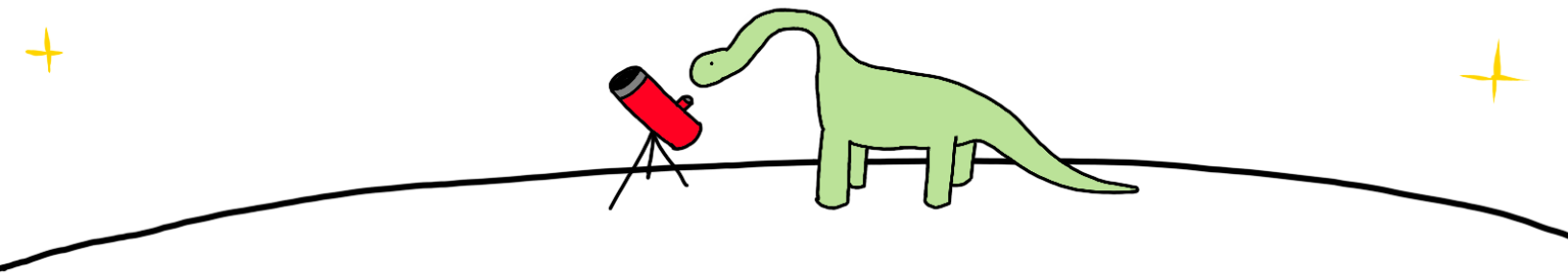
2023-08-07 Nordic Optical Telescope

DINOS: Display Information Needed for Observing Stuff



Telescope Name: Nordic Optical Telescope

Telescope Location: 28.7569 -17.8850

Telescope Elevation: 2383

Sunset: 2023-08-07 19:54:18.195

Sunrise: 2023-08-08 06:40:35.832

Civil Twilights: 20:23:31 , 06:11:22

Nautical Twilights: 20:53:32 , 05:41:21

Astronomical Twilights: 21:24:43 , 05:10:10

Observation Start: 2023-08-07 21:26:00

Observation End: 2023-08-08 05:10:00

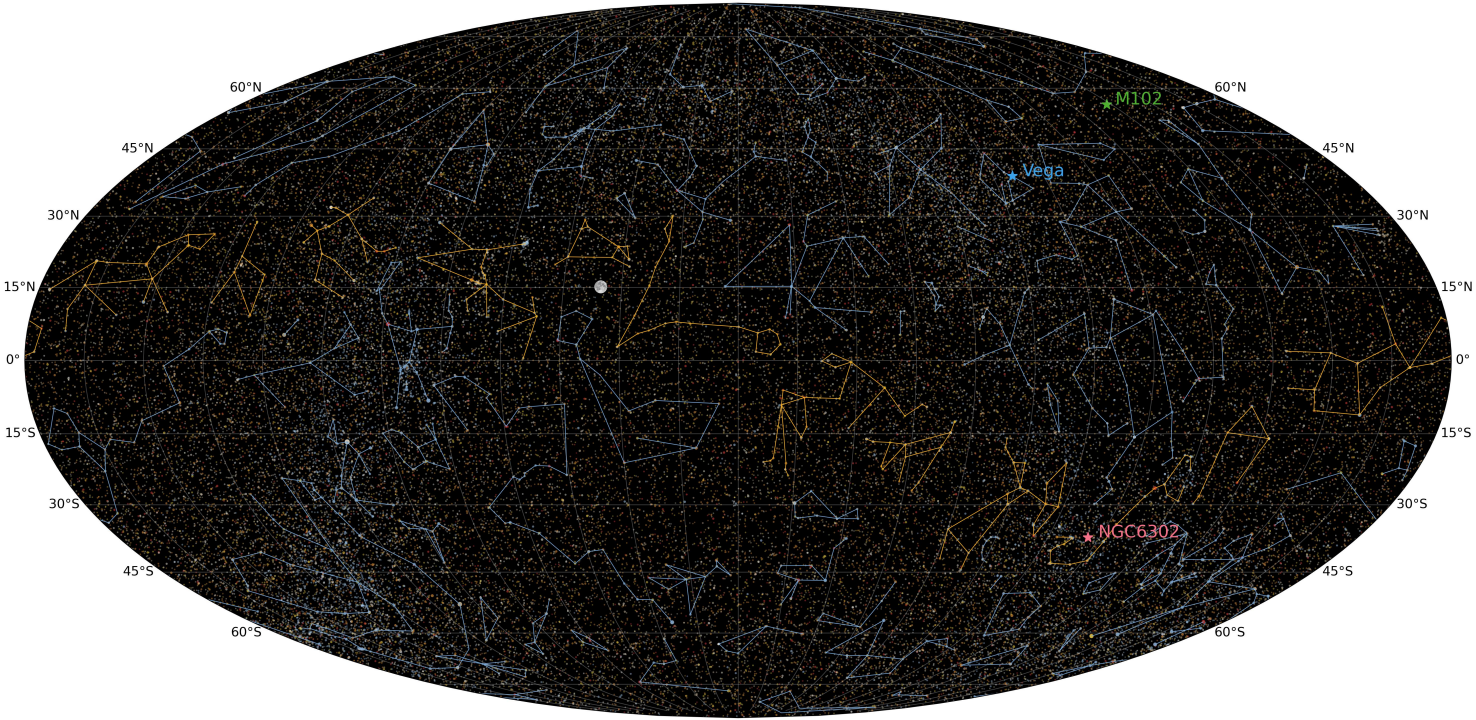
Observation Blocks:

Block Name	Start Time	End Time
Block 1	21:30:00	23:25:00
Block 2	23:25:00	01:20:00
Block 3	01:20:00	03:15:00
Block 4	03:15:00	05:10:00

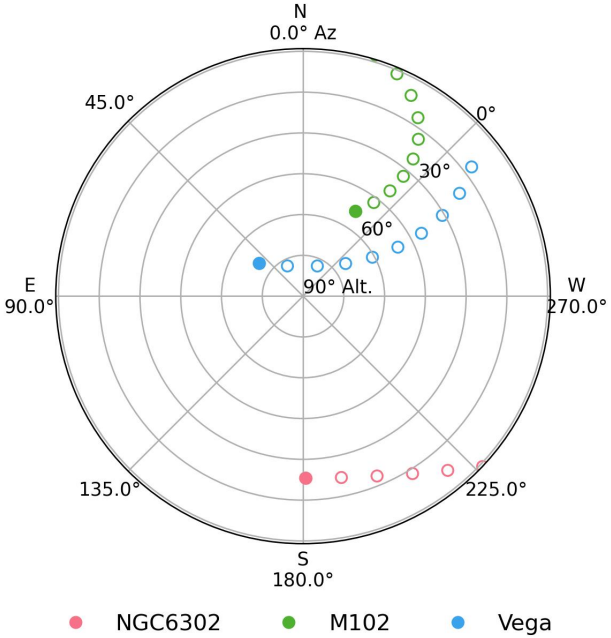
TARGETS

Object	RA	DEC	Type	Spectral Class	Distance (kpc)	Apparant V mag
NGC6302	17:13:44.5	-37:06:11	PlanetaryNeb	O-rich	0.746±0.149	
M102	15:06:29.561	+55:45:47.91	Seyfert		15.420±0.850	9.890±0.070
Vega	18:36:56.3363	+38:47:01.28	delSctV*	A0Va	0.008±0.000	0.030±0.000

ALL-SKY MAP

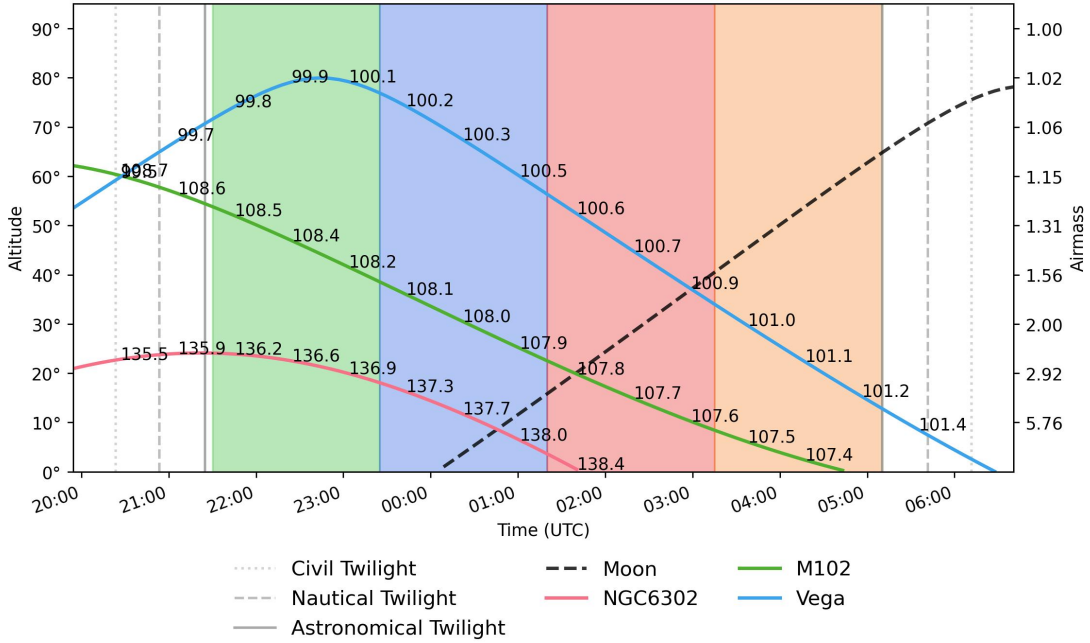


LOCAL-SKY PLOT



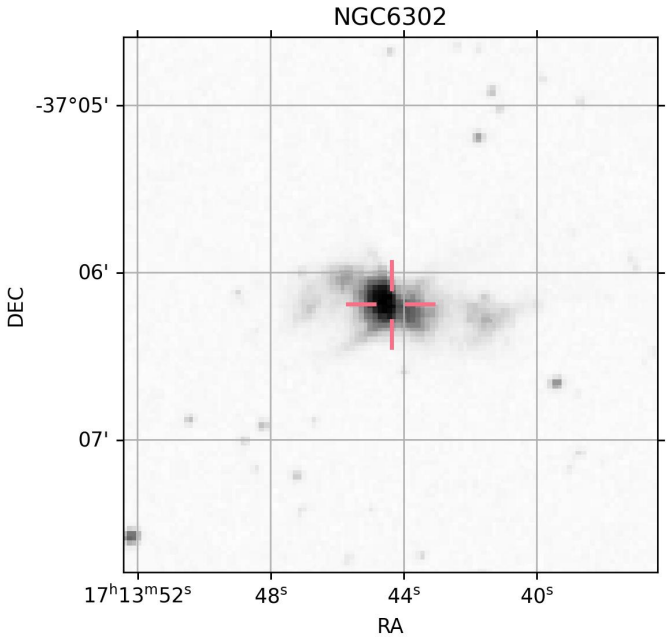
Object	Rise Time	Set Time
NGC6302	17:01:16	01:43:23
M102	09:42:02	04:46:57
Vega	15:01:00	06:28:00

AIRMASS PLOT



Observing blocks are shown as the shaded regions. The numbers along each curve represent the angular distance between that target and the moon.

FINDER CHART NGC6302



Object RA: 17:13:44.5

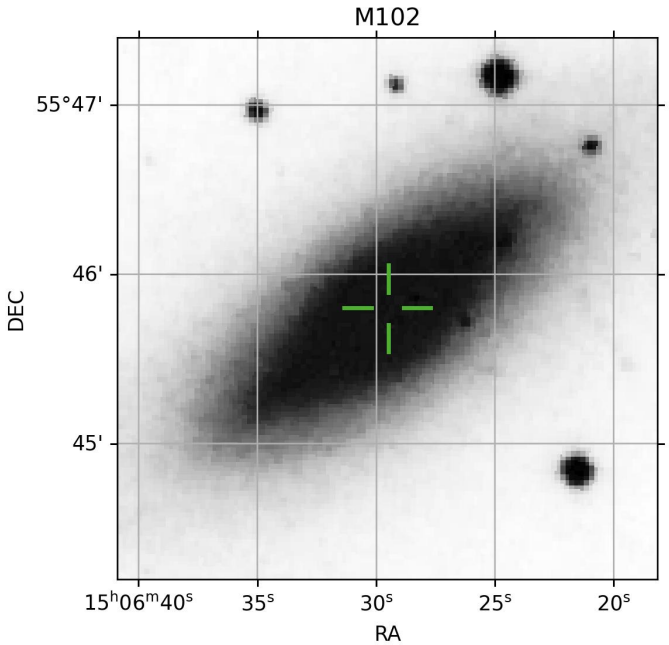
Object DEC: -37:06:11

Object Type: PlanetaryNeb

Spectral Type: O-rich

Apparent V magnitude:

FINDER CHART M102



Object RA: 15:06:29.561

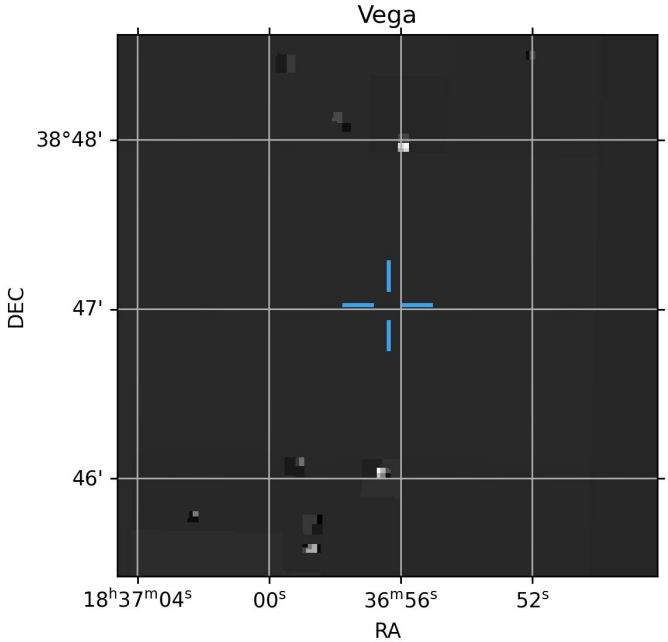
Object DEC: +55:45:47.91

Object Type: Seyfert

Spectral Type:

Apparent V magnitude: 9.890±0.070

FINDER CHART VEGA



Object RA: 18:36:56.3363

Object DEC: +38:47:01.28

Object Type: delSctV*

Spectral Type: A0Va

Apparent V magnitude: 0.030±0.000

ACKNOWLEDGEMENTS

DINOS was developed by Lars Borchert making use of open source software. The LaTeX template for this PDF was made by D. Backhouse. The all-sky map was heavily inspired by Eleanor Lutz's map of all the stars you can see from Earth, on GitHub, and makes use of some of their code. The "rey" asterisms were developed by H.A. Rey for his book "The Stars: A New Way to See Them". The asterism files were taken from the open source planetarium software Stellarium. The DINOS terminal text was made using the text to ASCII art tool by patorjk.