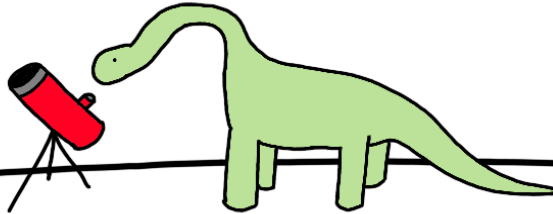


2023-08-07 Nordic Optical Telescope

DINOS: Display Information Needed for Observing Stuff



# THE NIGHT

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**Telescope Name:** Nordic Optical Telescope

**Telescope Location:** 28.7569 -17.8850

**Telescope Elevation:** 2383

**Sunset:** 2023-08-07 19:54:17.714

**Sunrise:** 2023-08-08 06:40:36.068

**Civil Twilights:** 20:23:30 , 06:11:23

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

**Astronomical Twilights:** 21:24:43 , 05:10:09

**Observation Start:** 2023-08-07 22:00:00

**Observation End:** 2023-08-08 05:30:00

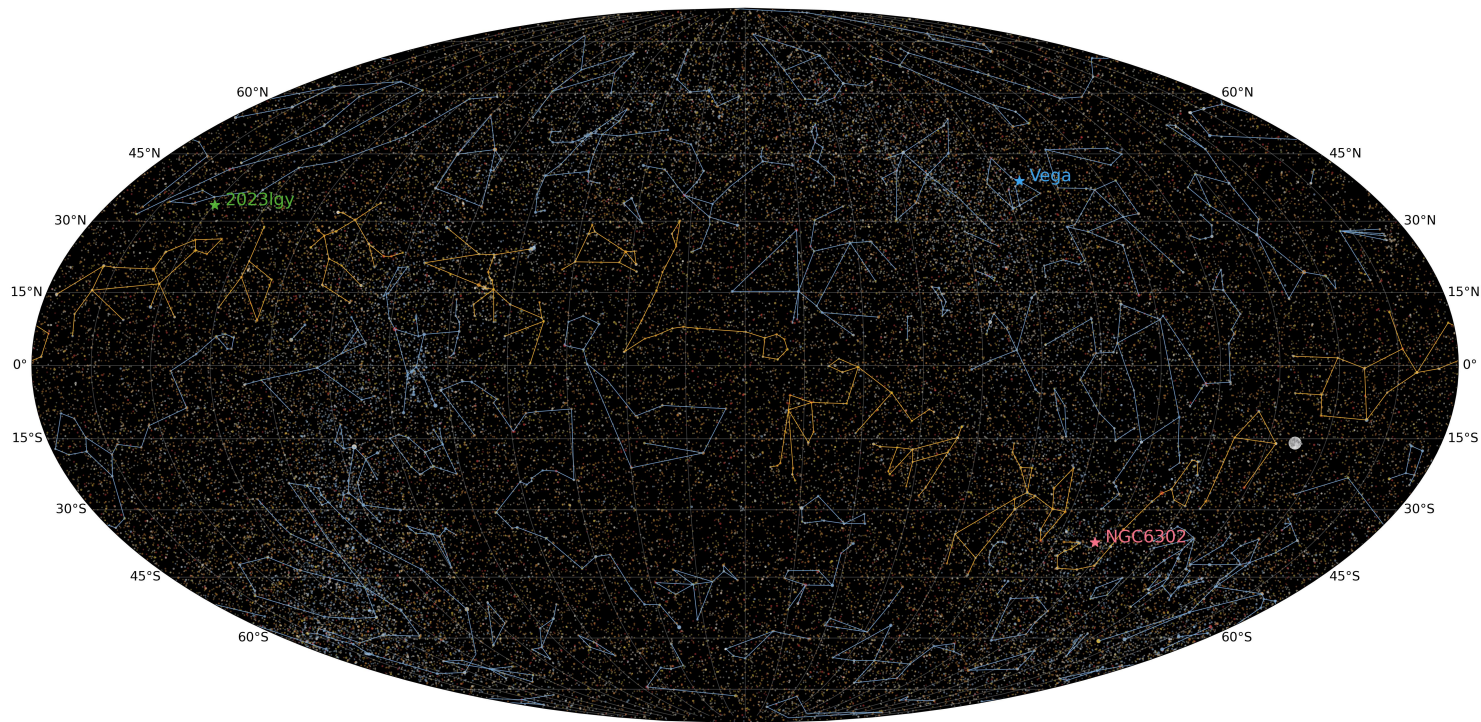
**Observation Blocks:**

Block Name	Start Time	End Time
Block 1	22:00:00	00:30:00
Block 2	00:30:00	03:00:00
Block 3	03:00:00	05:30:00

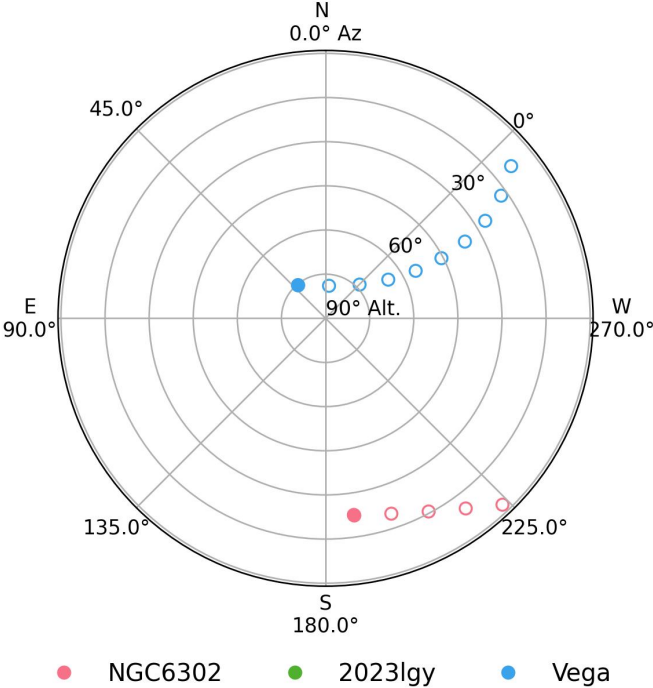
## TARGETS

Object	RA	DEC	Type	Spectral Class	Distance (kpc)	Apparant V mag
NGC6302	258d26m07.5s	-37d06m11s	PlanetaryNeb	O-rich	0.746±0.149	
2023lgy	149d45m51s	33d28m39.1s				
Vega	279d14m05.0445s	38d47m01.28s	delSctV*	A0Va	0.008±0.000	0.030±0.000

# ALL-SKY MAP

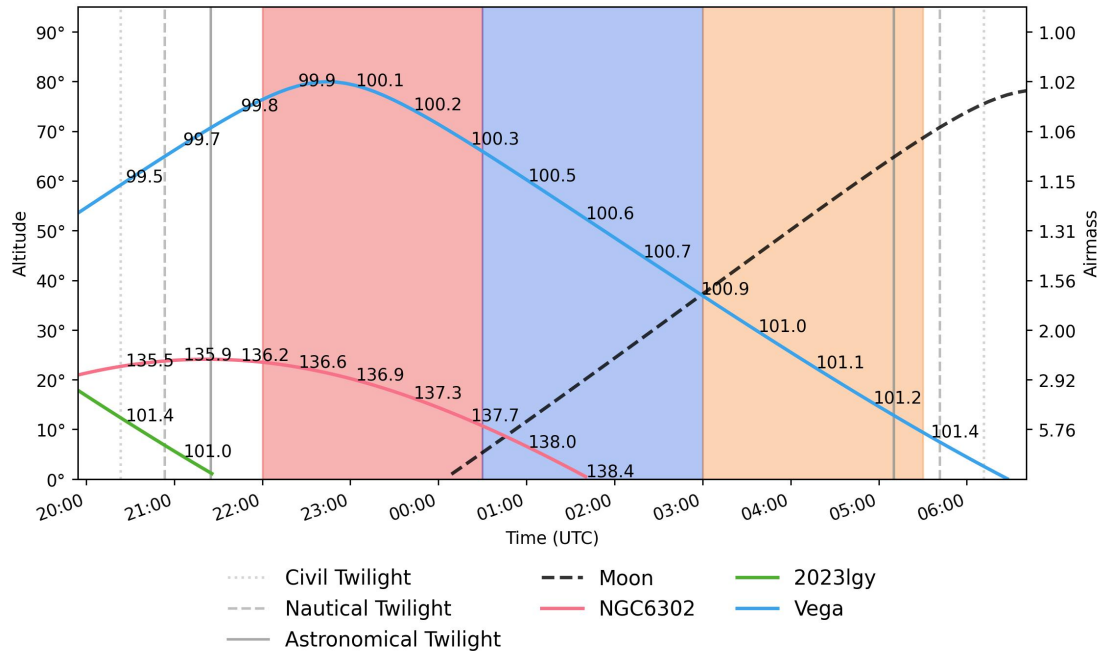


LOCAL-SKY PLOT



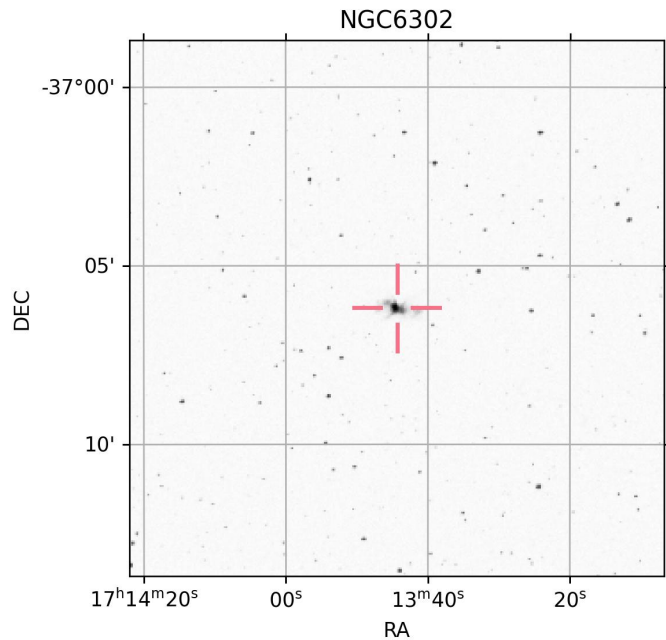
Object	Rise Time	Set Time
NGC6302	17:01:15	01:43:23
2023lgy	06:41:06	21:32:07
Vega	15:01:00	06:28:01

# 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:** 258d26m07.5s

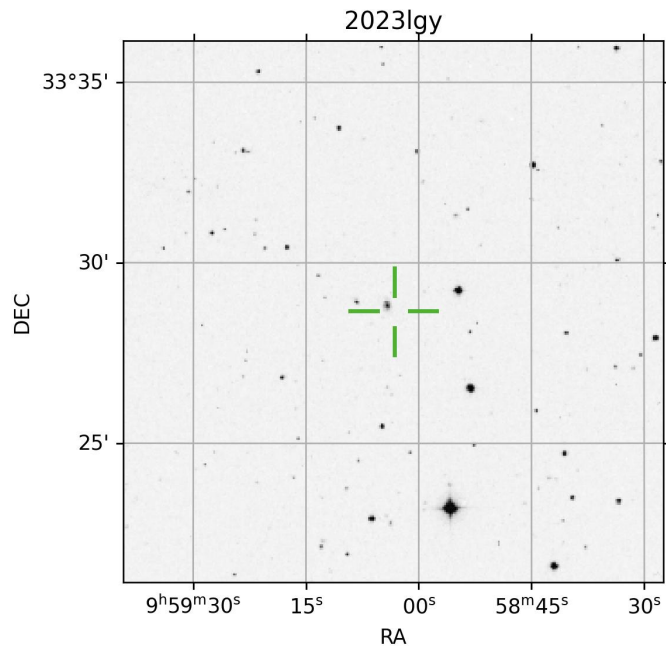
**Object DEC:** -37d06m11s

**Object Type:** PlanetaryNeb

**Spectral Type:** O-rich

**Apparent V magnitude:**

## FINDER CHART 2023LGY



Object RA: 149d45m51s

Object DEC: 33d28m39.1s

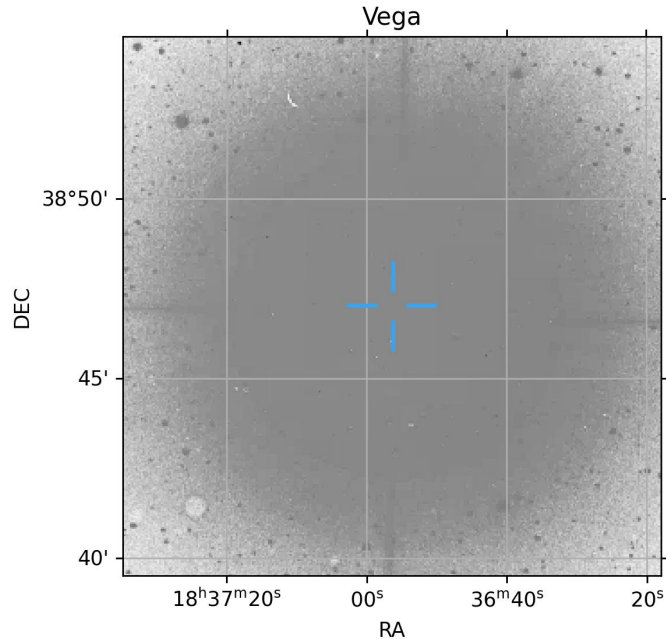
Object Type:

Spectral Type:

Apparent V magnitude:



## FINDER CHART VEGA



**Object RA:** 279d14m05.0445s

**Object DEC:** 38d47m01.28s

**Object Type:** delSctV\*

**Spectral Type:** A0Va

**Apparent V magnitude:**  
 $0.030 \pm 0.000$

## ACKNOWLEDGEMENTS

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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. 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.