

# Navigating the Night Sky

## Part 2: Planning Observations

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Student Name:

Select a particular kind of astronomical object (some possibilities, not exhaustive - quasars, galaxies, binary stars, supernovae, globular clusters, planetary nebulae). Find a catalog that contains a fair number of these objects. When you have found it, use the rubric on Canvas to identify your observatory window.

Partner names (up to 4 students may work together - Not Required)

1. Write the object type, and the catalog you'll be using here:

Write your observatory assignment & observing window here:

2. What will the moon phase be during your observations? Will the moon interfere with your observations? Explain your reasoning:

**3. Using more than 20 objects (and less than 100) - determine which of your objects will be visible during your observing window. Upload your code & list to Canvas, and write an explanation of your process here:**  
**(If you have more than 10 objects that are visible, pick ten for the rest of the assignment) (Your object list should have at least name, RA, and DEC for each object).**

**(2 pts) Your observing run gets clouded out (a tragically common occurrence) but you're able to get director's discretionary time 7 weeks later. Using the same objects you planned to observe initially - will it be better or worse for your same ten objects? Explain:**

