

# Sky Viewing Calendar 2025

Widener University Observatory

## DECEMBER

**Sunrise**

**Sunset**

7:04 am EST on 1<sup>st</sup>

4:37 pm EST on 1<sup>st</sup>

7:23 am EST on 31<sup>st</sup>

4:47 pm EST on 31<sup>st</sup>

**Sunday**

**Monday**

**Tuesday**

**Wednesday**

**Thursday**

**Friday**

**Saturday**

|                                                                                                                                                                    |                                                                                                                      |                                                                                                                     |                                                         |                                                                                                                                                                             |                                                                                                                         |                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                    | 1<br><br><b>Public Stargazing</b><br>6:30-7:30 pm                                                                    | 2<br><br><i>Pioneer 11 flies by<br/>Jupiter 1974</i><br><br><i>Mars 3 first craft to<br/>soft-land on Mars 1971</i> | 3<br><br><i>Pioneer 10 first Jupiter<br/>flyby 1973</i> | 4<br><br><b>Full</b> <br><b>"Cold Moon"</b><br>6:14 pm EST<br><br><b>Moon at perigee</b> | 5<br><br><b>Public Stargazing</b><br>8-9 pm                                                                             | 6<br><br><i>St. Nicholas Day</i>                                                                                                                          |
| 7<br><br><i>Mercury at greatest<br/>morning (W) elongation</i><br><br><i>Earliest sunset of year<br/>at 40°N latitude</i>                                          | 8                                                                                                                    | 9                                                                                                                   | 10                                                      | 11<br><br><b>Last Quarter</b> <br><br><i>Annie J. Cannon b.1866</i>                      | 12                                                                                                                      | 13<br><br><i>Geminid Meteor Shower<br/>peaks after midnight</i>                                                                                           |
| 14<br><br><i>Geminid Meteor Shower</i><br><i>Hanukkah begins sunset</i><br><i>Tycho Brahe b.1546</i><br><i>Mariner 2 first spacecraft<br/>to fly by Venus 1962</i> | 15<br><br><i>Venera 7 first spacecraft<br/>to land on Venus 1970</i><br><br><b>Public Stargazing</b><br>6:30-7:30 pm | 16<br><br><i>Saturn at E quadrature</i><br><br><i>E.E. Barnard b.1857</i>                                           | 17<br><br><b>Moon at apogee</b>                         | 18<br><br><i>Sun leaves Ophiuchus,<br/>enters Sagittarius</i>                                                                                                               | 19<br><br><b>New</b> <br>8:43 pm EST | 20                                                                                                                                                        |
| 21<br><br><b>*Winter Solstice*</b><br>10:03 am EST<br><br><i>Apollo 8 launched 1968</i>                                                                            | 22                                                                                                                   | 23                                                                                                                  | 24                                                      | 25<br><br><b>CHRISTMAS</b><br><br><i>Isaac Newton b.1642</i><br><i>James Webb Space<br/>Telescope launched 2021</i>                                                         | 26                                                                                                                      | 27<br><br><b>First Quarter</b> <br><br><i>Johannes Kepler b.1571</i> |
| 28<br><br><i>Arthur Eddington b.1882</i>                                                                                                                           | 29                                                                                                                   | 30<br><br><i>Cassini spacecraft flies<br/>past Jupiter 2000</i>                                                     | 31                                                      |                                                                                                                                                                             |                                                                                                                         |                                                                                                                                                           |