



## Astronomy field of view calculator

### Summary

**Short Description:** This document explains how to utilize the Astronomy Field of View Calculator.

**Language:** English

**Suitable for age:** 12-18 years

**Key words:** Telescope, Field of View, observation planning

**Format:** .doc


**Link:** <https://www.skyatnightmagazine.com/astronomy-field-view-calculator/>



1. The Astronomy Field of View Calculator allows you to see the field of view of a telescope. Select your telescope make and model and then select your camera make and model. You can select your eyepiece or binoculars by clicking 'Mode'. Click on 'Targets' to choose the object you wish to view.

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**FOV Calculator / Telescope simulator**

Targets	Mode	Image	Options	Help
Telescope make... Telescope model... - Aperture: 150mm - Focal length: 750mm - Focal ratio: f/5.0 - Barlow/Focal reducer: 1x		Camera make... Camera model... - Pixel size: 6.42 $\mu\text{m}$ - Image size: 3456 x 2304 - Sensor size: 22.2 x 14.8mm - Binning: 1x1		<b>Results</b> FOV: 1.70° x 1.13° Resolution: 2.46 "/pixel Area: 1.92 sq° Focal length: 750mm Focal ratio: f/5.0
				
<b>M42</b> Image credit: NASA, ESA, M. Robberto (STScI/ESA) and The Hubble Space Telescope Orion Treasury Project Team				
Database: 564 telescopes, 542 cameras, 482 eyepieces, 83 binoculars. <a href="#">Add more?</a> Last updated 21 January 2021				
Please feel free to <a href="#">contact me</a> if you find any bugs or have any comments or suggestions.				

