



Orion Nebula  
Hubble Space  
Telescope

Produced by full-time  
graphics staff at  
Space Telescope  
Science Institute

[www.stsci.edu](http://www.stsci.edu)

2006 Sept 29

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# Amateur - professional interaction....

- Offer to do computer graphics for public presentations and publication.
- Use your computer to produce final image
  - Different wavelengths from same instrument
  - Different instruments (different scales and extent of image)
  - Wide field ground-based with narrow field, high-resolution space based
  - Combination of x-ray, radio, optical, and IR

Contribution by amateurs with artistic inclinations.

# Astronomy Popularization one view from the north.

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2006 Sept 29

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Detroit Observatory - est 1854  
University of Michigan  
Ann Arbor, Michigan



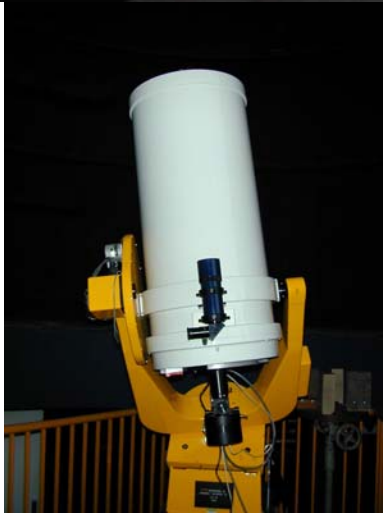
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- Professional astronomers are sometimes their own worst enemies at explaining what they do.
- *We need help!*
- Today -
  - Outreach at U of Michigan Astronomy
  - NSF and NASA programs for science education/popularization
  - Lowell Observatory, Flagstaff, Arizona
  - International observatories in Chile

# Public Observing at University of Michigan



Angell Hall Student Observatory  
On campus in downtown Ann Arbor  
*Student run.*

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Peach Mountain Observatory  
30 km outside Ann Arbor  
*Amateur run*

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# US Funding for Astronomical Research

- NSF - National Science Foundation
  - Funds educational outreach
  - Recent - funds to informal science centers
- NASA - National Aeronautics and Space Administration
  - Majority of funding for astronomy.
  - *All NASA projects **must** have outreach program*
  - Funds for outreach and popularization do not come from research dollars: separate money pot.
  - Extremely active, but US only (!)
  - JPL excellent example of major outreach program