



Award #: 1835379

CSSI Element: Elements: Bringing Montage To Cutting Edge Science Environments.

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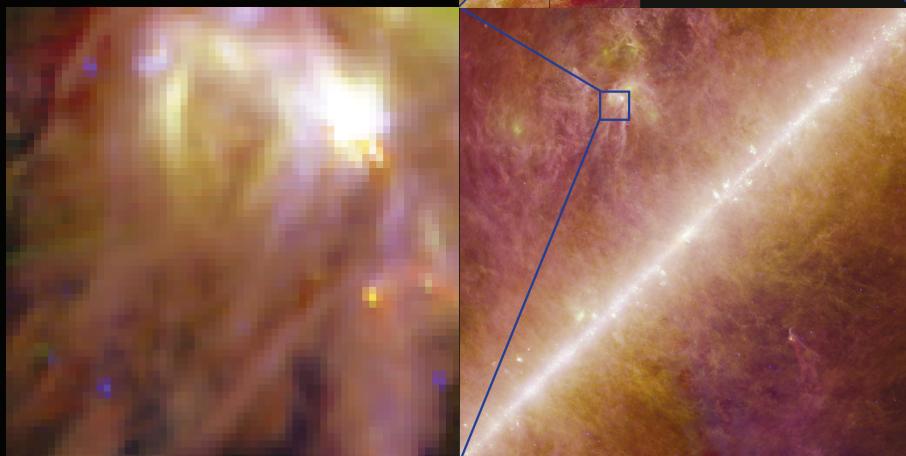
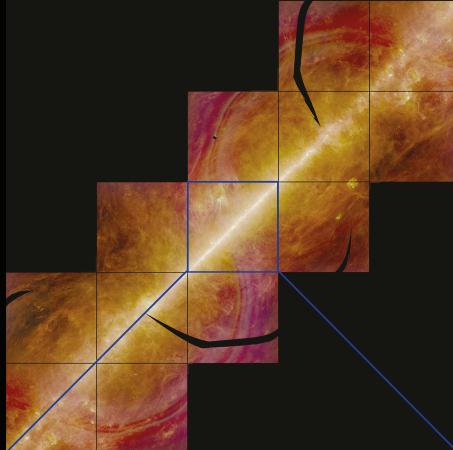
Caltech



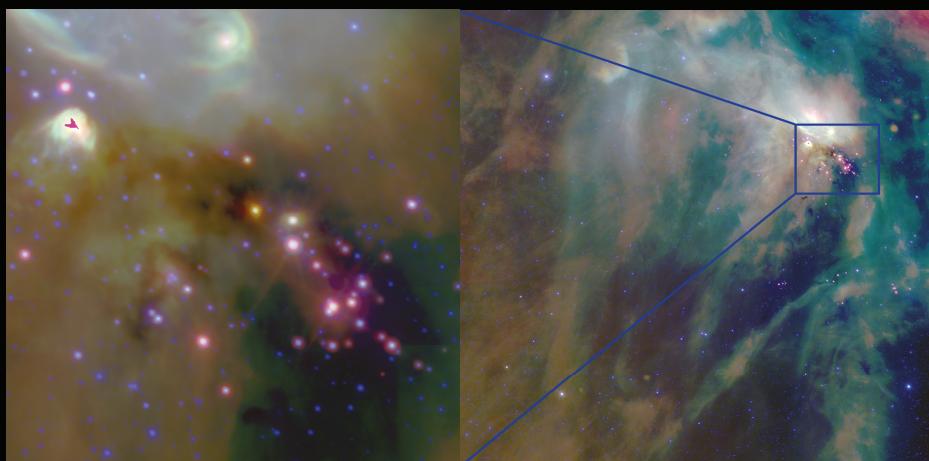
ALL SCALES GREAT AND SMALL: HiPS Visualization Of The Infrared Sky



- Hierarchical Progressive Surveys (HiPS) are a new way of visualizing images.
- Montage is crucial in creating HiPS images in the infrared.
 - Models infrared backgrounds.
 - Adapative image stretch.
 - Supports HEALPix sky tessellation scheme that underpins HiPS.
- HiPS-enabled Montage code to be released Spring 2020.



ρ Ophiuchus. IRIS Mission. 3-color composite: 12, 60, 100 μ m.



ρ Ophiuchus. WISE Mission. 3 color composite: 3.6, 12 and 22 μ m.