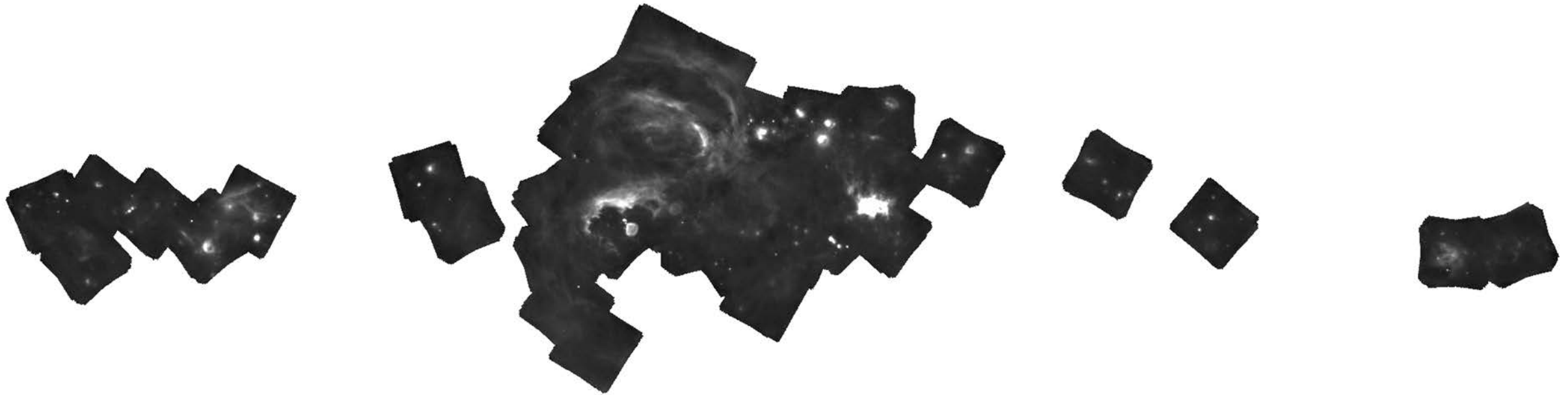


SOFIA Archive Science

Ed Chambers, USRA/SOFIA
237th Meeting of the AAS
January 13, 2021

Legacy Data: Galactic Center



- Project 07_0189 (PI: Hankins)
- FORCAST imaging at 25 and 37 microns

Legacy Data: Galactic Center



Image credit: NASA/SOFIA/JPL-Caltech/ESA/Herschel

- Project 07_0189 (PI: Hankins)
- FORCAST imaging at 25 and 37 microns

Legacy Data: Galactic Center

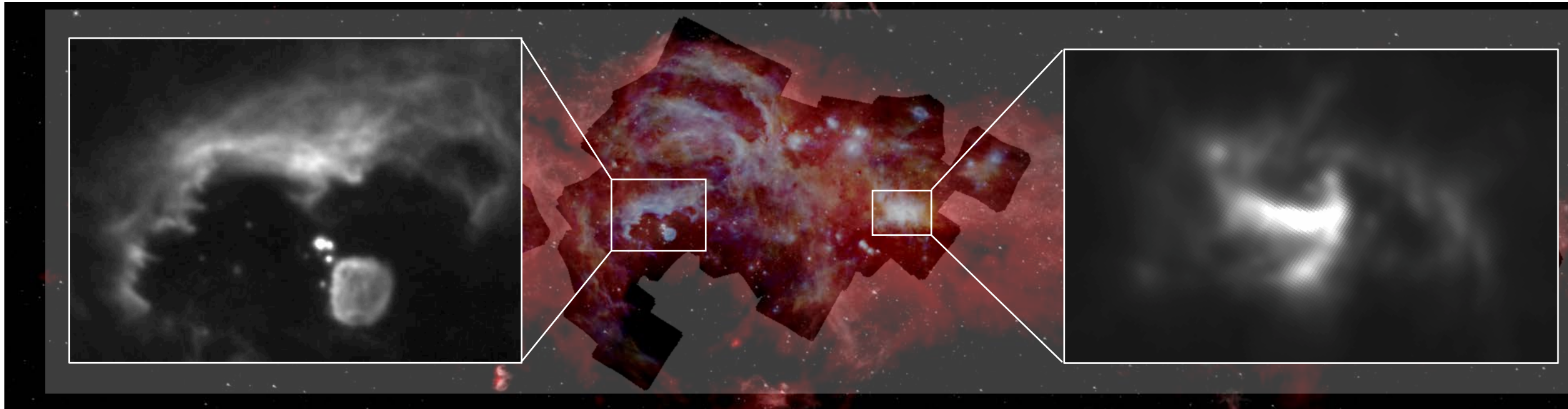
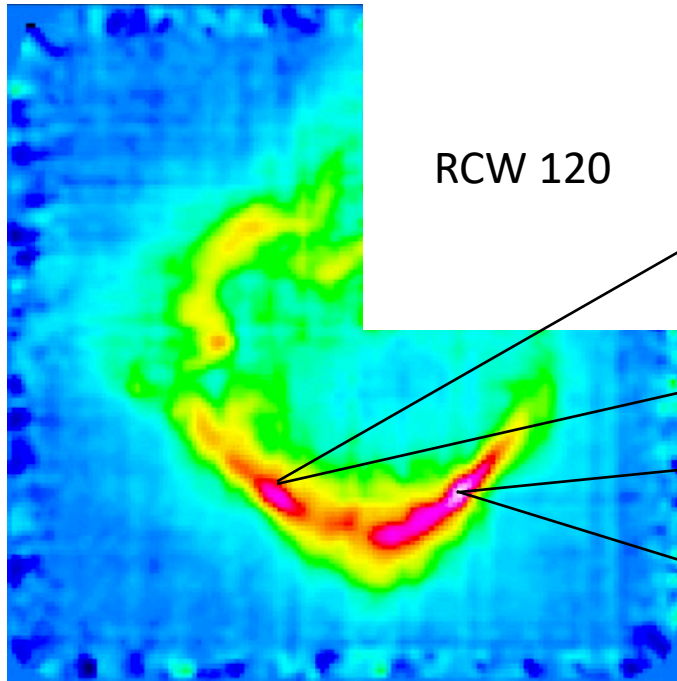


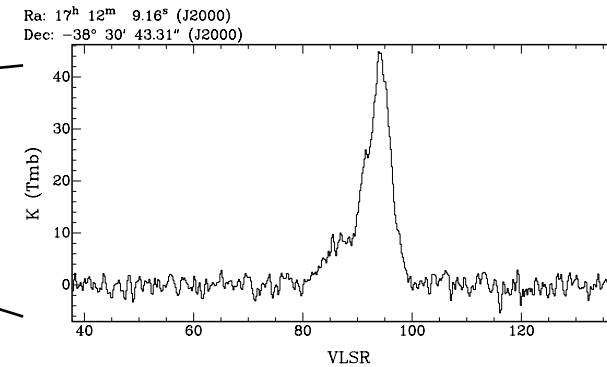
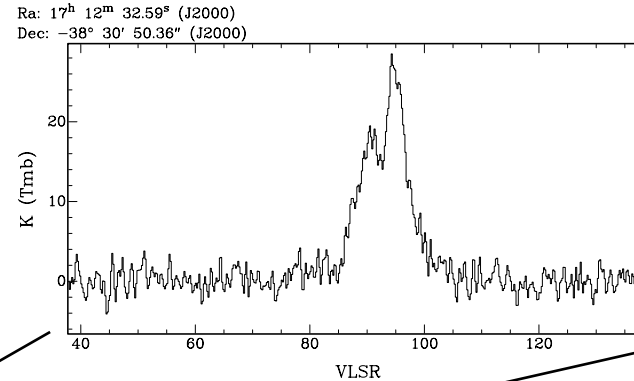
Image credit: NASA/SOFIA/JPL-Caltech/ESA/Herschel

- Project 07_0189 (PI: Hankins)
- FORCAST imaging at 25 and 37 microns

Legacy Data FEEDBACK



RCW 120



- RCW 36
- RCW 79
- RCW 49
- RCW 120
- NGC 6334
- M16
- M17
- W40
- W43
- Cygnus X
- NGC 7538

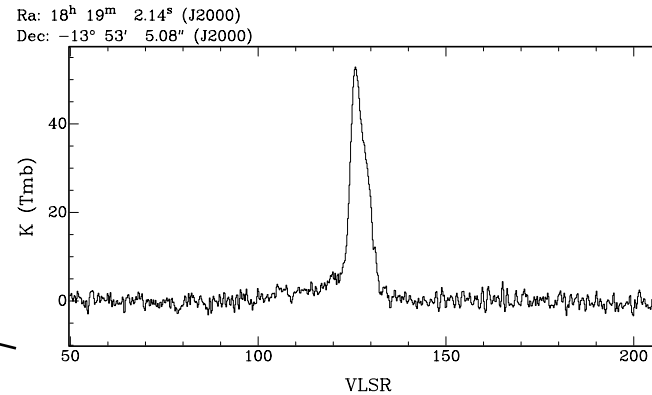
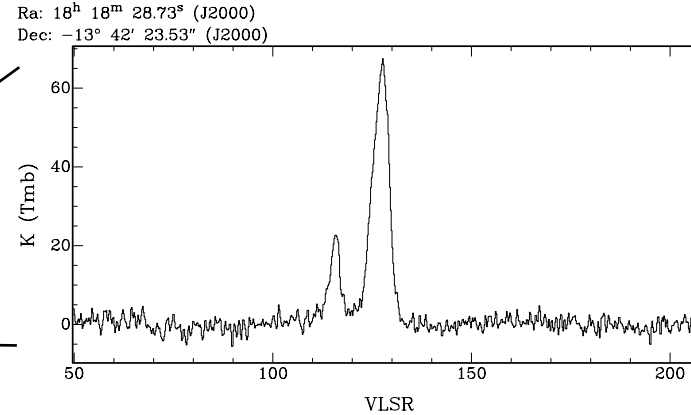
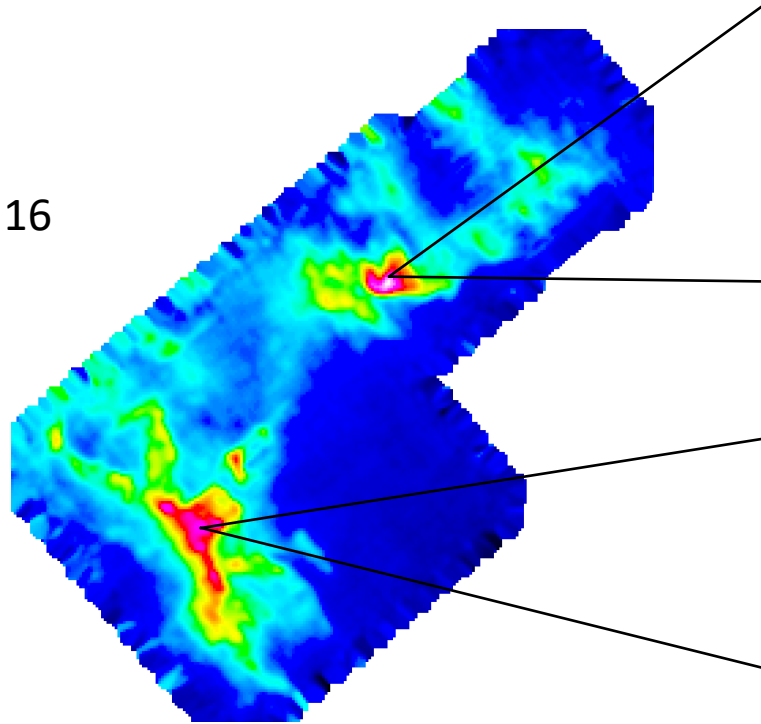
- Project 07_0077 (PIs: Tielens and Schneider)
- upGREAT mapping of 11 sources in C⁺

Legacy Data FEEDBACK



- RCW 36
- RCW 79
- RCW 49
- RCW 120
- NGC 6334
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- M17
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- Cygnus X
- NGC 7538

M16

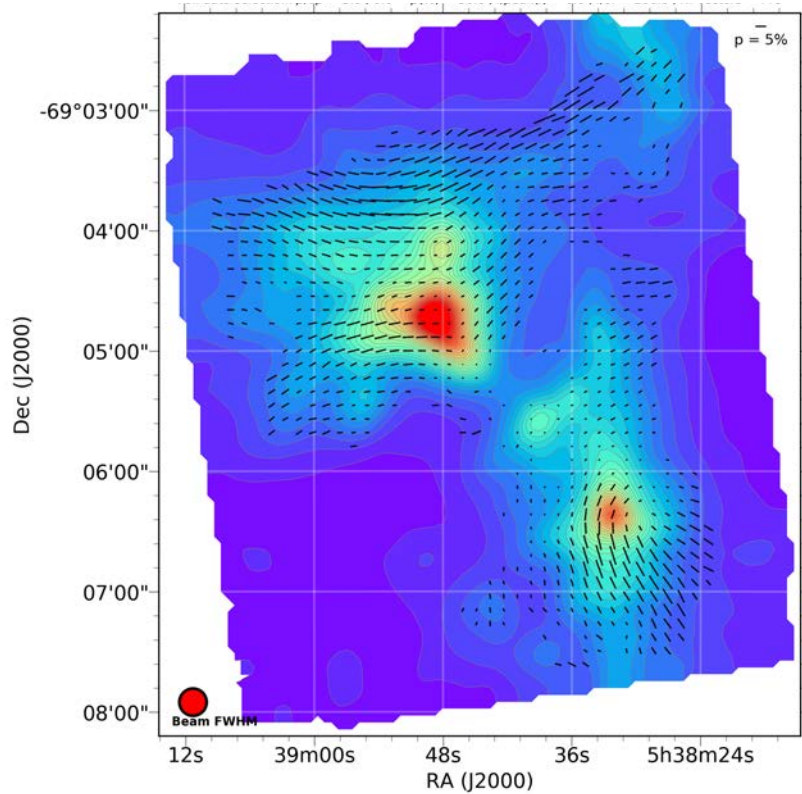


- Project 07_0077 (PIs: Tielens and Schneider)
- upGREAT mapping of 11 sources in C⁺

Project Synthesis

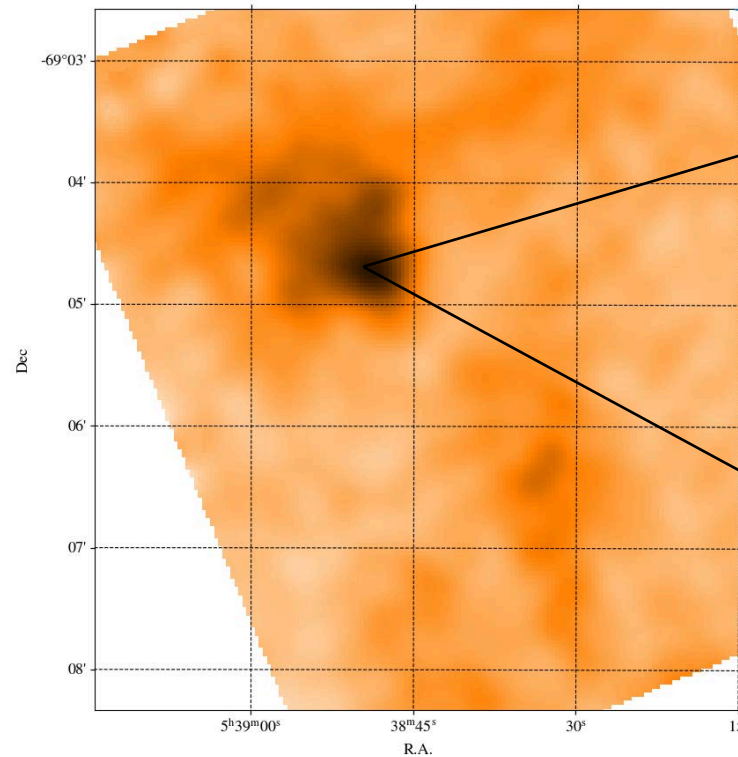
30 Doradus

HAWC+ 154 μm



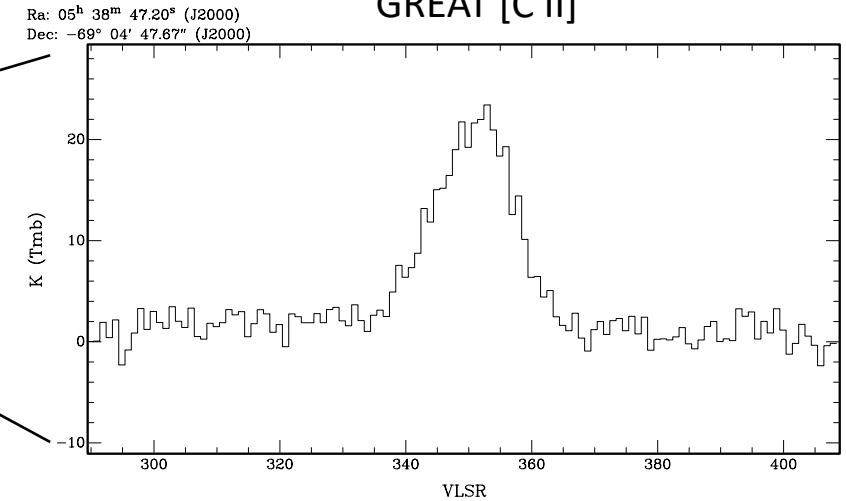
Project 75_0016 (DDT)

FIFI-LS [C II] Line+Continuum



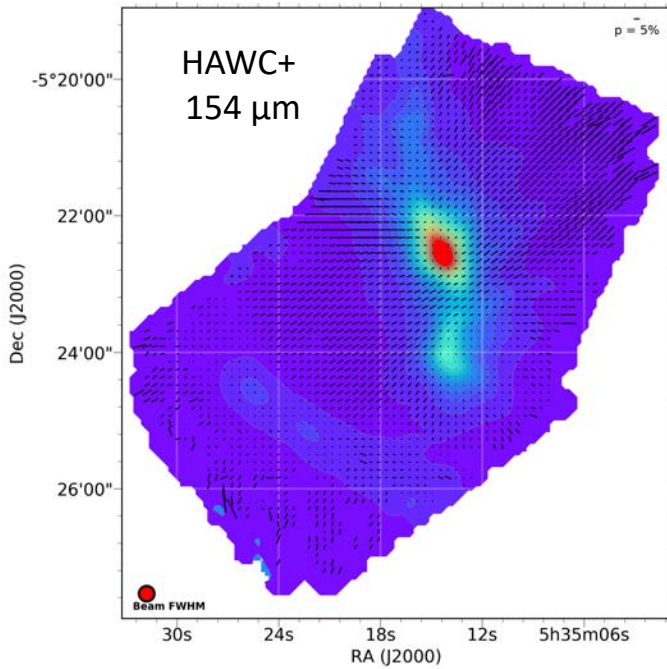
Project 76_0001 (DDT)

GREAT [C II]

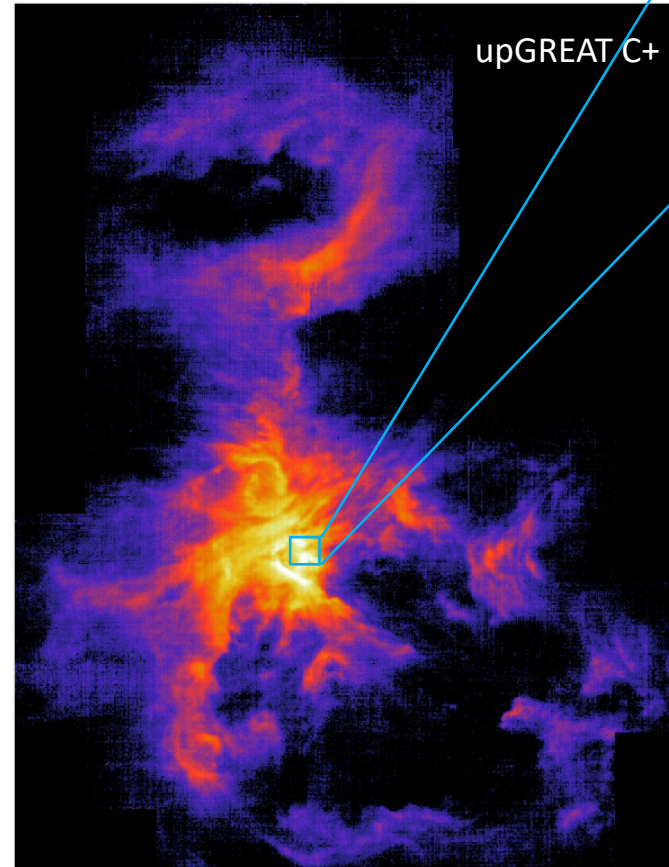


Project 06_0170 (PI: Tielens)

Project Synthesis Orion

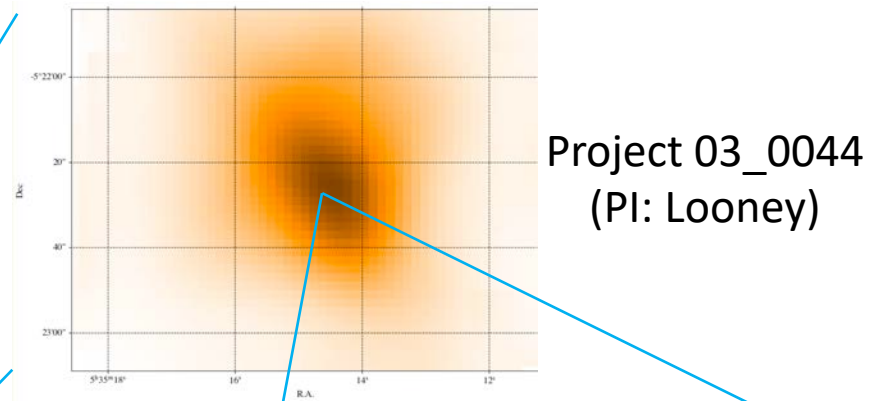


Project 70_0509 (PI: Dowell)



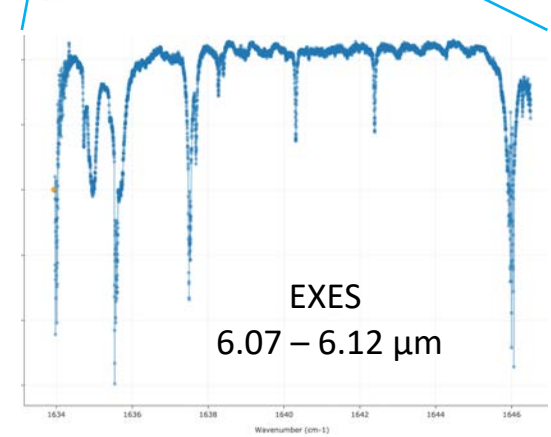
Project 04_0066 (PI: Tielens)

FIFI-LS
CO (16-15)
line+continuum

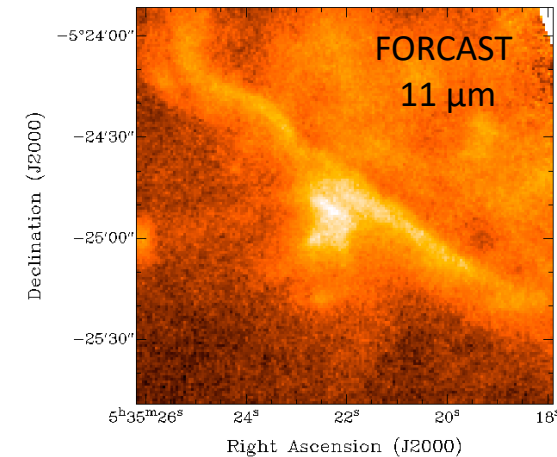


Project 03_0044
(PI: Looney)

Project 04_0120
(PI: Indriolo)



EXES
6.07 - 6.12 μm



Project 70_0403
(PI: Herter)

SOFIA Data at IRSA

Number of calibrated, science-ready, public data products at IRSA:

- EXES: 450
- FLITECAM: 3900
- FIFI-LS: 1700
- FORCAST: 4200
- GREAT: 1200
- HAWC+: 600

<https://irsa.ipac.caltech.edu/Missions/sofia.html>

→ Over 12,000!

For more highlights of the SOFIA Science Archive, visit:

<https://www.sofia.usra.edu/science/data/selected-highlights-data-archive>

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