



SOFIA Science Highlights

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SOFIA Science Mission Operations





Recent Campaigns

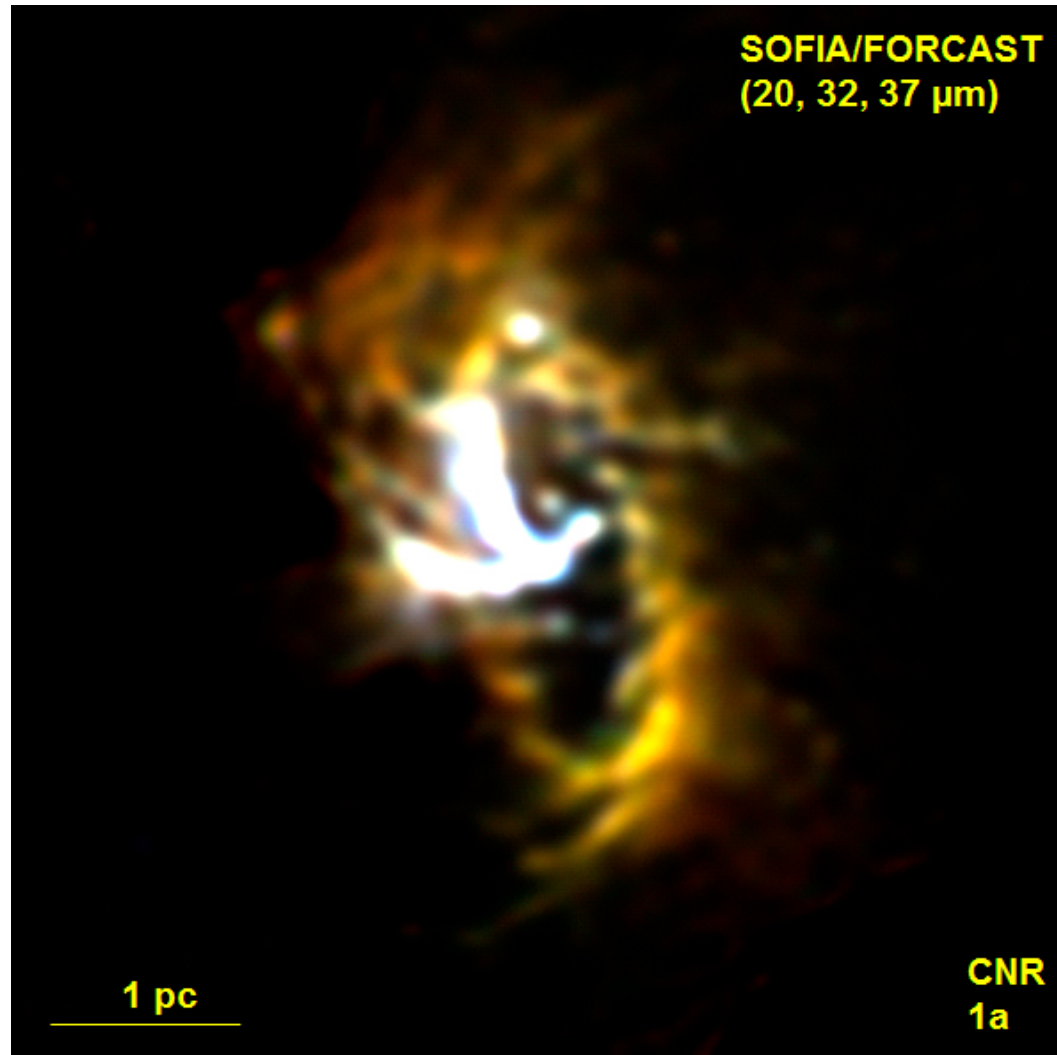


- Since February SOFIA has been:
 - Commissioning FLITECAM
 - Commissioning FIFI-LS
 - Commissioning EXES
 - Carrying out Cycle 2 observations with GREAT, FORCAST, FLITECAM, & FIFI-LS
- SOFIA will be flying tonight on flight 171 with GREAT

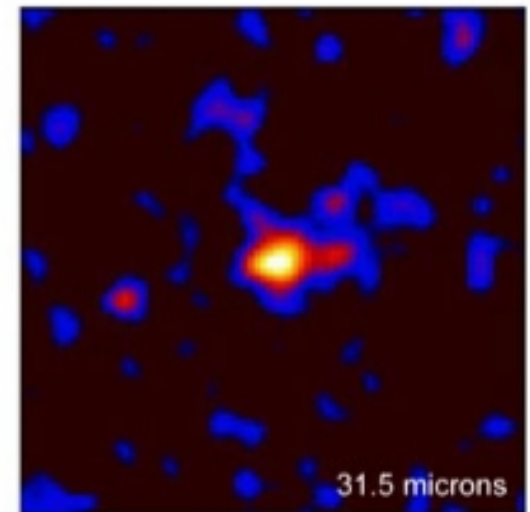
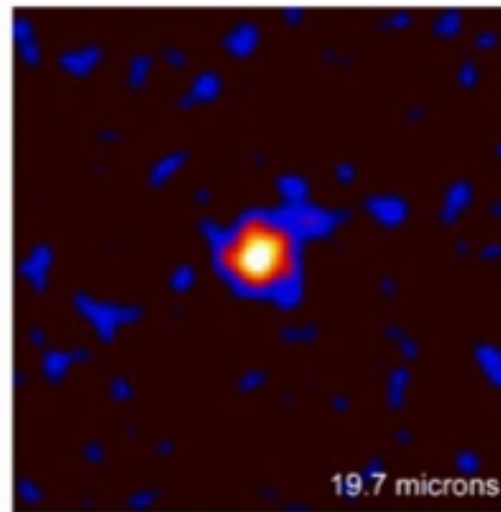
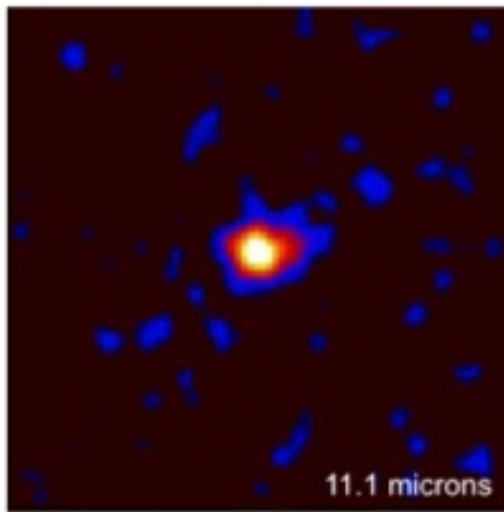




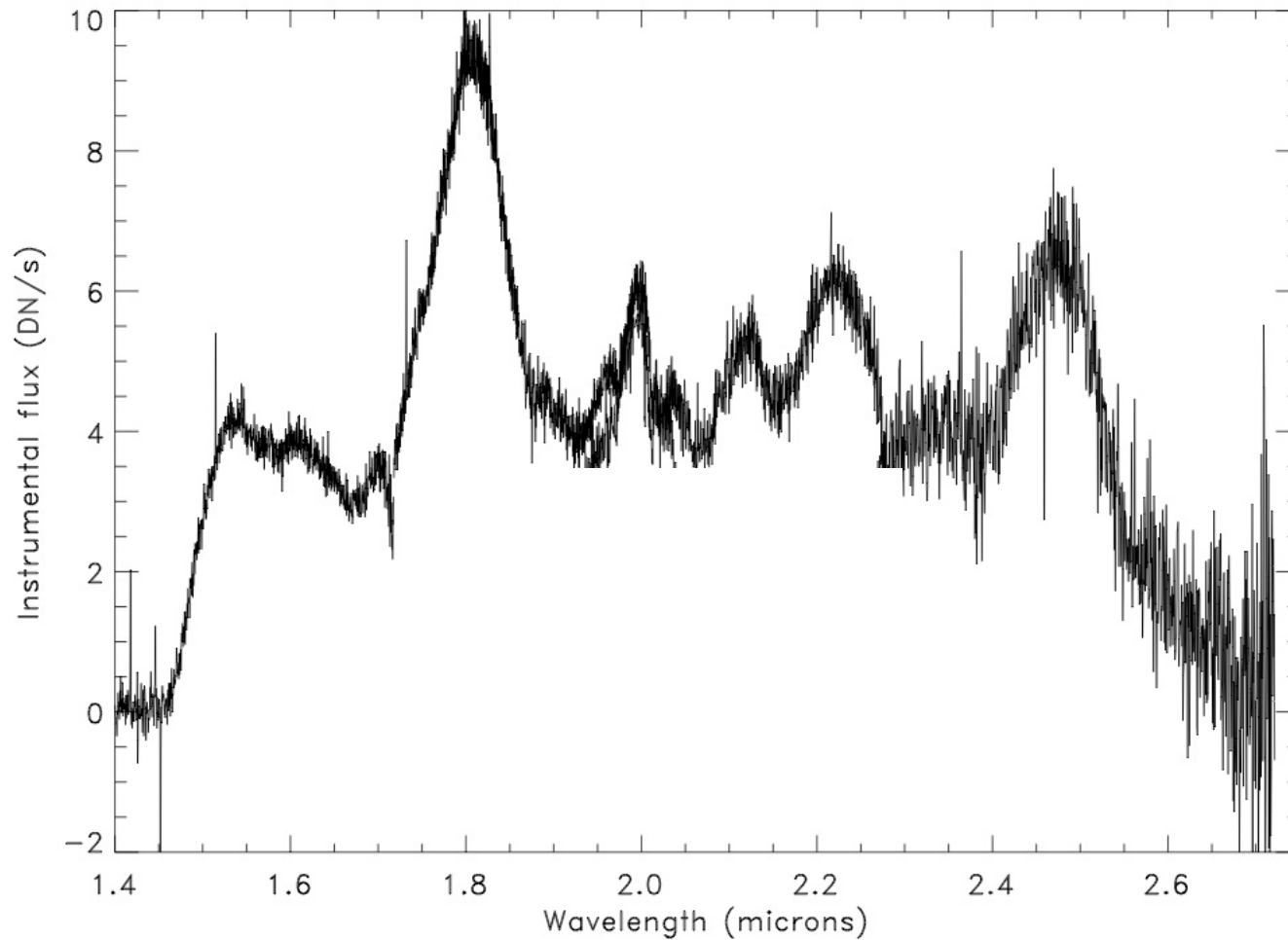
FORCAST Observation of Galactic Center



Smoothed SOFIA Images of Comet ISON



All images taken with FORCAST; 3-pixel Gaussian smooth applied



FIFI-LS on the telescope
First Light Flight 150

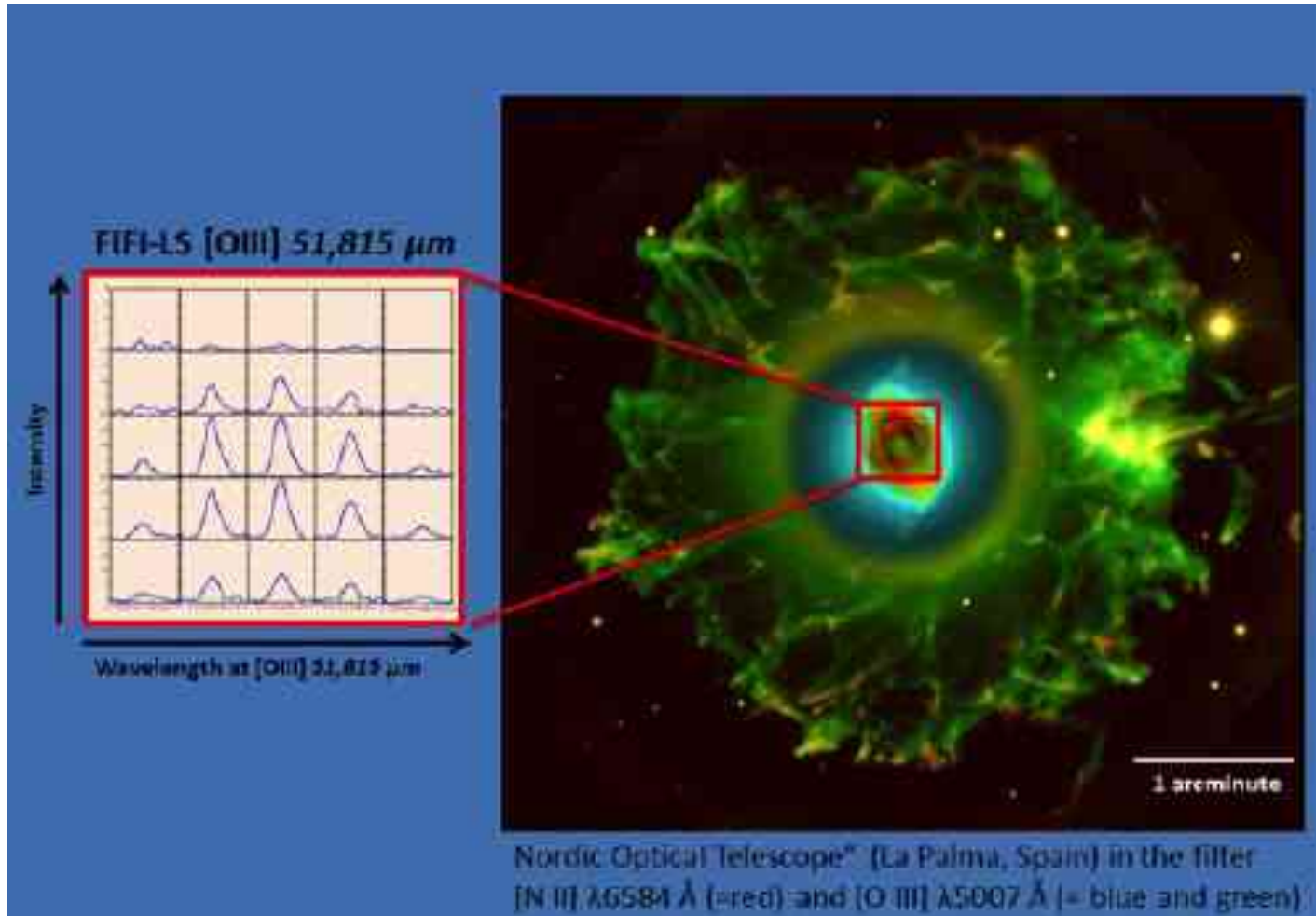
EXES Team after installation
First Light Flight 158





FIFI-LS Commissioning Observations



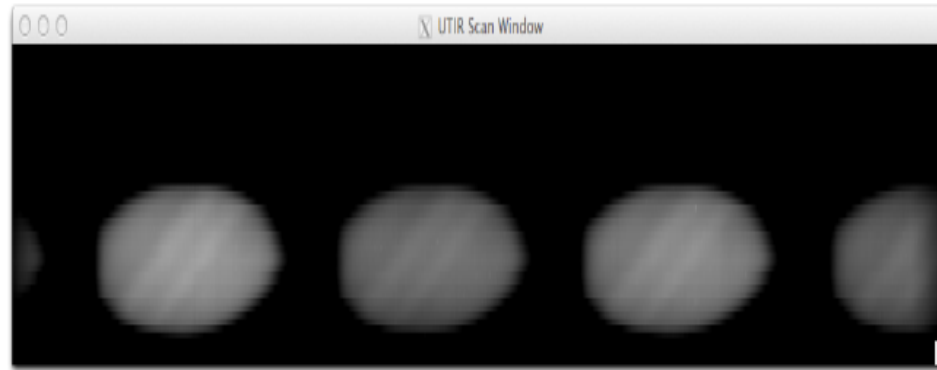




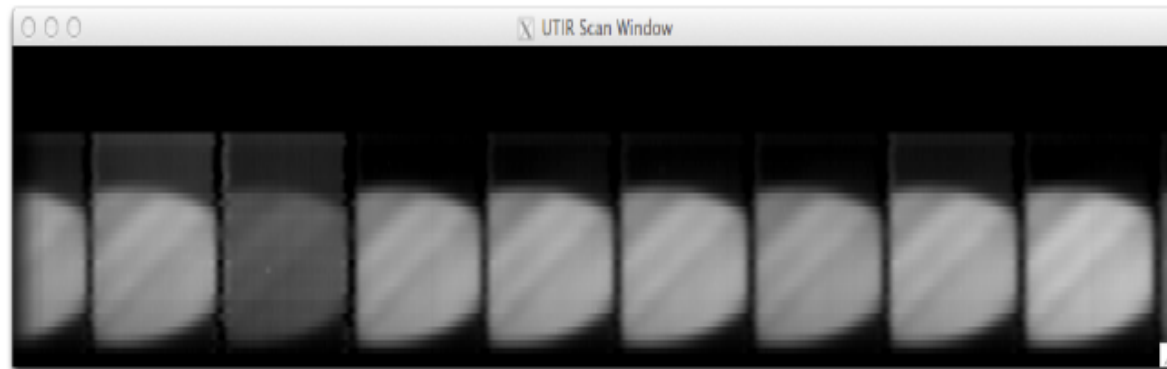
FIFI-LS Orion Nebula Observations



EXES Observes Molecular Hydrogen



Quick look screenshots near 28 μm S(0) Line



Quick look screenshots near 17 μm S(1) Line



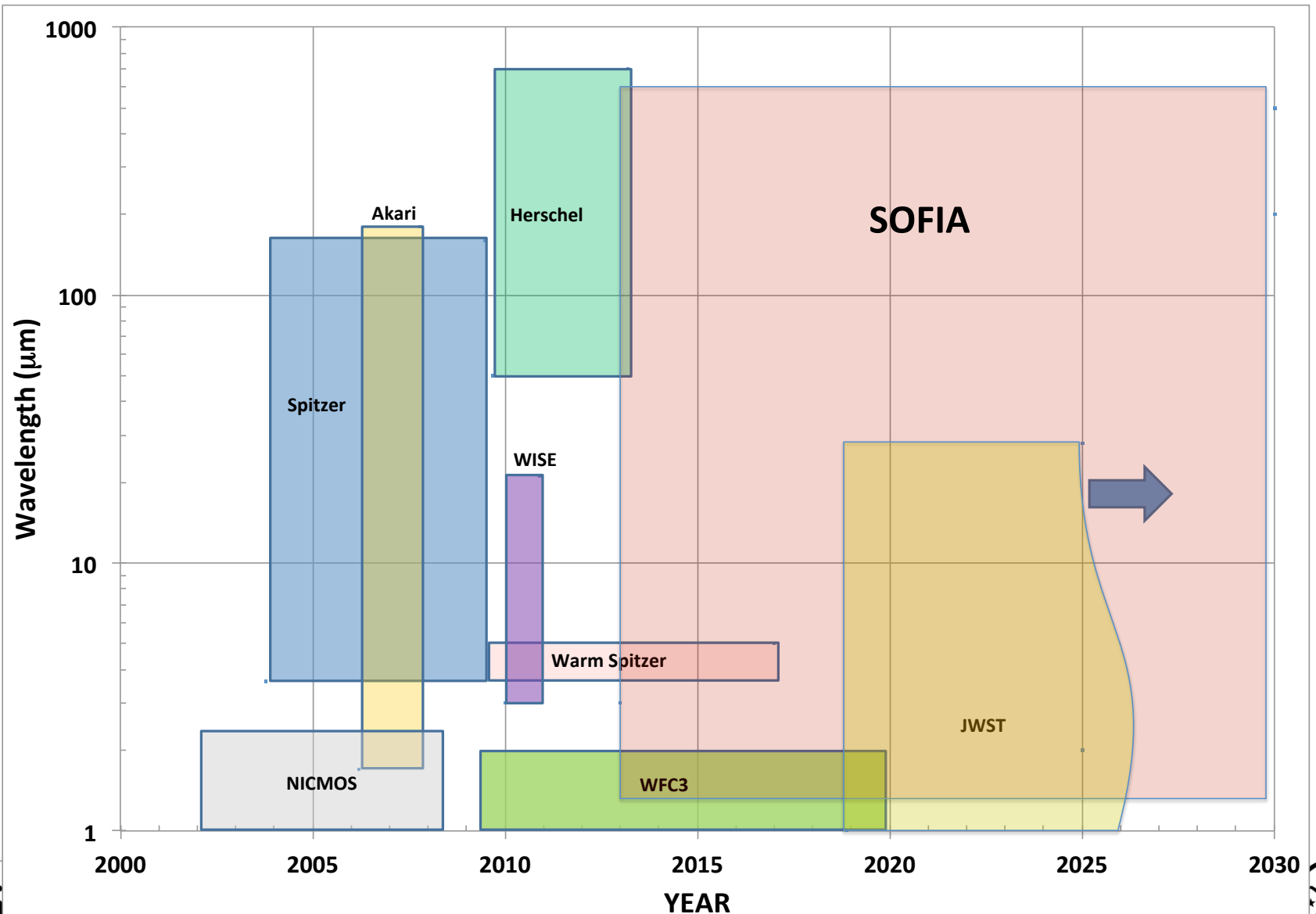
Tonight's Flight



- GREAT Commissioning of new H-channel
 - 4.7 THz mixer for [O I] line
- Coming in early 2015
 - 14-pixel upGREAT array



Infrared Mission Coverage



Coverage Without SOFIA

