

SOFIA and HST Multi-wavelength study of the Symbiotic Mira HM Sge

Steven Goldman^{1,2}, Ravi Sankrit², Nicole Karnath¹, Ed Montiel¹, Matthew Richter³

¹ SOFIA-USRA, NASA Ames Research Center, MS 232-12, Moffett Field, CA 94035, USA

² Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218 USA

³ Department of Physics, University of California Davis, Davis, CA, USA



February 27, 2022
steven.r.goldman@nasa.gov



STScI | SPACE TELESCOPE
SCIENCE INSTITUTE

Observations

SOFIA observations:

- dust and the kinematics



HST observations:

- map the gas in the inner nebula
- probe the shocked emission.

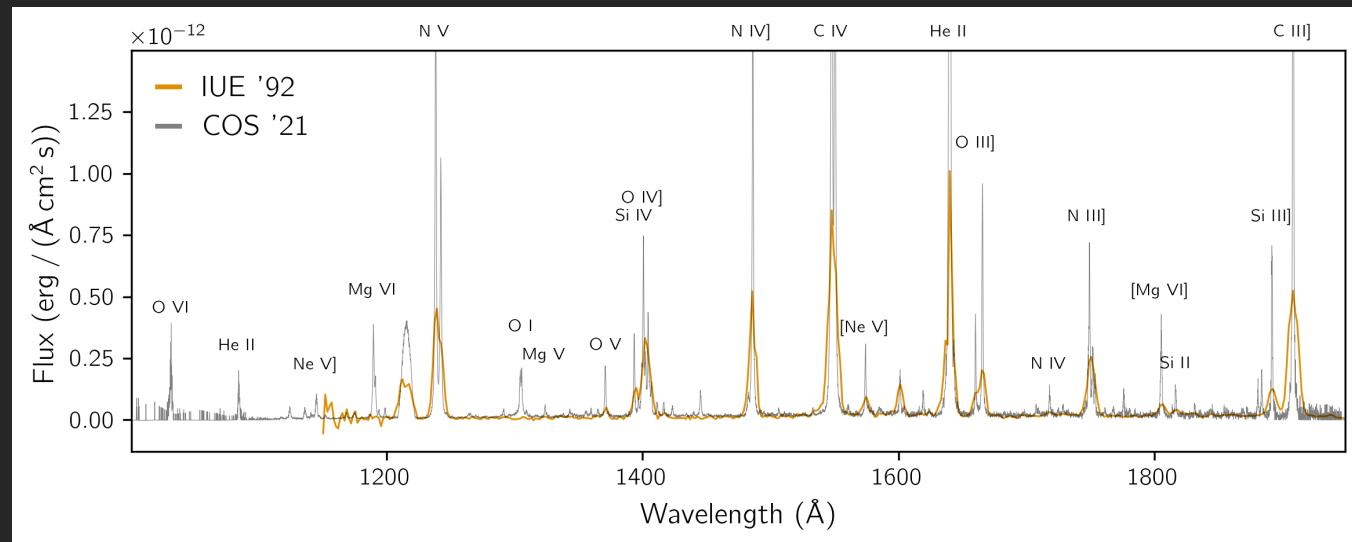
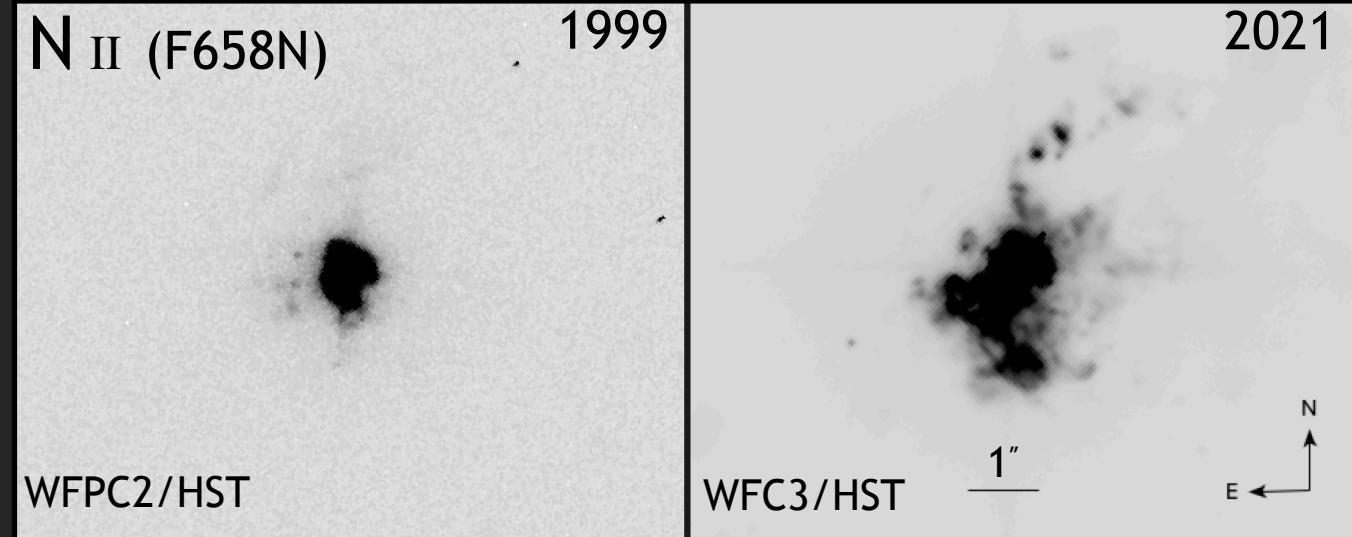


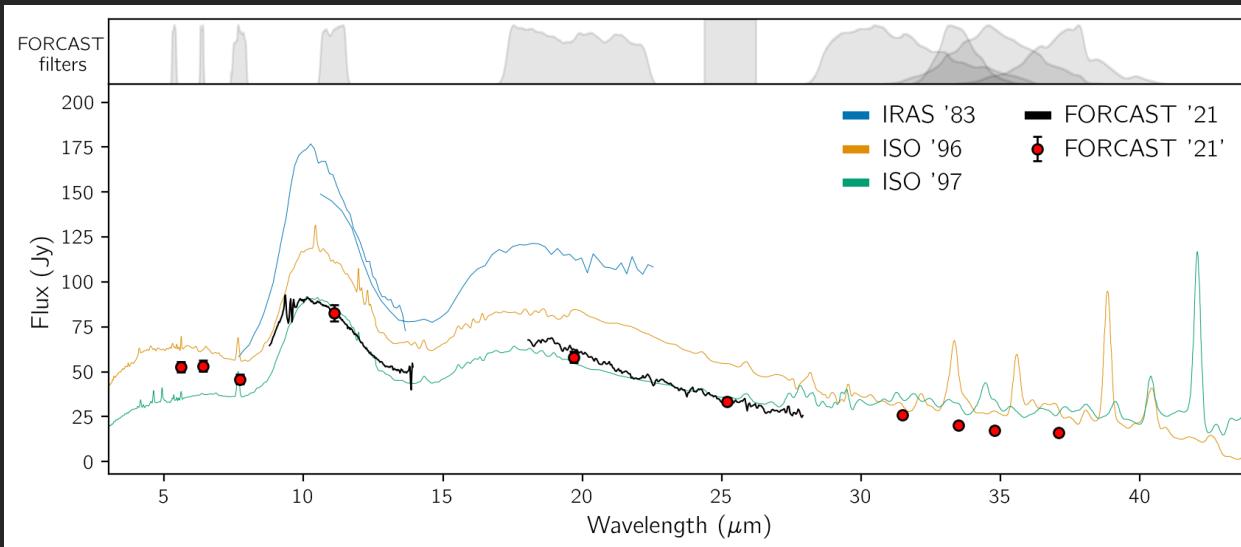
Credits: NASA/Jim Ross

Hubble

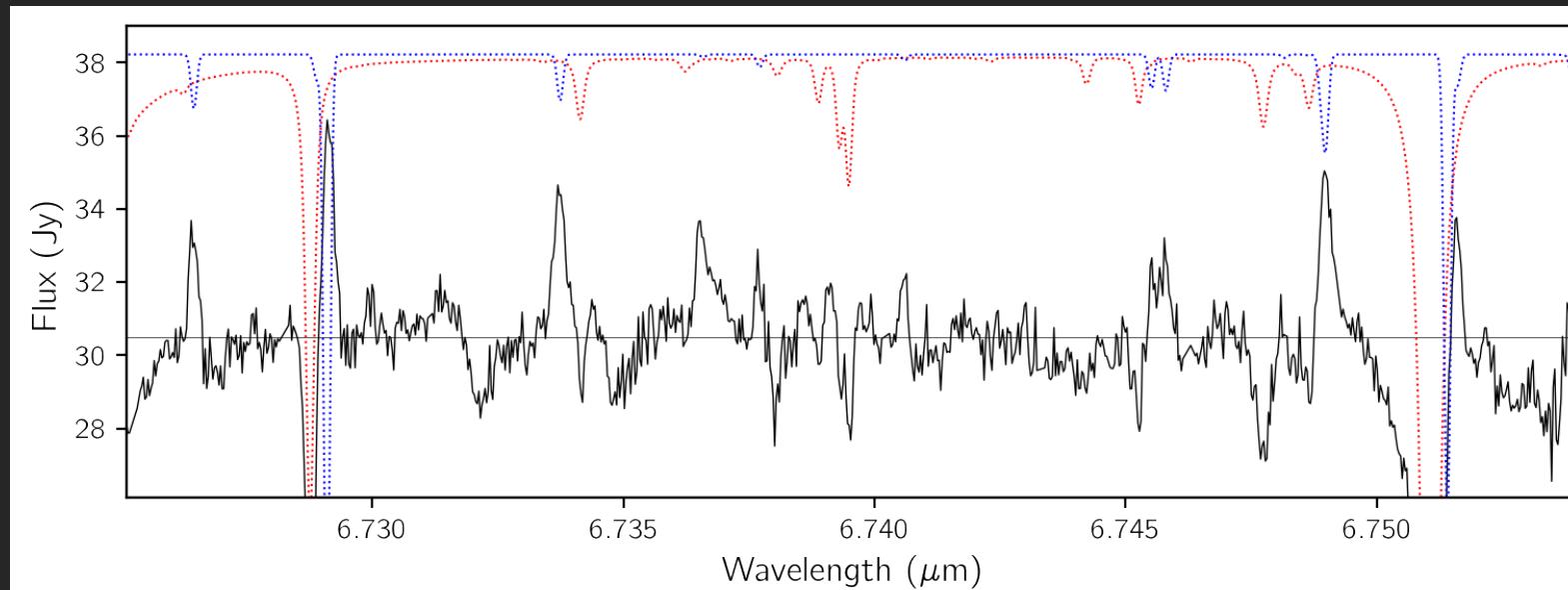
WFC3

COS





FORCAST



EXES