

# SOFIA

## Science e-Newsletter



April 2018

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### What's Cookin' at SOFIA? First SOFIA Cookbook Released

The Cookbooks provide simple “recipes” for common data analysis objectives using SOFIA processed data. They are generally written for a graduate student audience and are intended to be used with the Data Handbooks. The first release is for the German Receiver for Infrared Astronomy at Terahertz Frequencies (GREAT): How to View GREAT Spectra using CLASS Utility. The Continuum and Line Analysis Single-dish Software (CLASS) utility is the standard for single-dish heterodyne spectroscopy data reduction. The document provides a tutorial guiding users from finding a sample data set through modifying the baseline fit, averaging, and saving the result in a Flexible Image Transport System (FITS) file.

[View and download the cookbooks here.](#)

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### All Aboard! Tour of SOFIA at COSPAR Sunday, July 22, 2018

Those traveling to the 2018 conference for the Committee on Space Research (COSPAR) in Pasadena, California, this July are in luck: SOFIA will be hosting a tour of the observatory and its facilities at NASA Armstrong Flight Research Center, with transportation to and from the COSPAR conference venue.



The tour is free and lunch will be provided. The technical nature of the tour is intended for COSPAR participants, but those not attending the conference may still register for the waitlist. The chance to participate in a tour of the observatory guided by SOFIA scientists is popular and space is extremely limited, so register early!

[Register here.](#)

More information is available [on the tour webpage.](#)

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### Need Help with Submitting Your

## Proposal? Community Days Registration Open



The Community Day workshops will provide support for researchers who are interested in proposing for SOFIA during the NASA funded SOFIA Cycle 7 Call for Proposals. In addition to some SOFIA science highlights, the workshops will cover the observatory capabilities and the process of preparing proposals for submission. Registration is free, and those with SOFIA related research are invited to give a short presentation during the workshop!

Contact [Randolf Klein](#) if you are interested in presenting your SOFIA research at a Community Day workshop.

**May 2** at University of Texas Austin in Austin TX — [Register Here](#)

**May 9** at NRAO/UVA in Charlottesville, VA — [Register Here](#)

**May 23** at IPAC in Pasadena, CA — [Register Here](#)

[Community Days webpage](#)

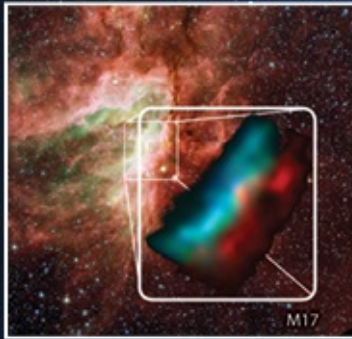
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# Infrared Astrophysics in the SOFIA Era

## June 4-5, 2018

A Meeting-in-Meeting at the  
232nd American Astronomical Society Meeting in Denver, Colorado

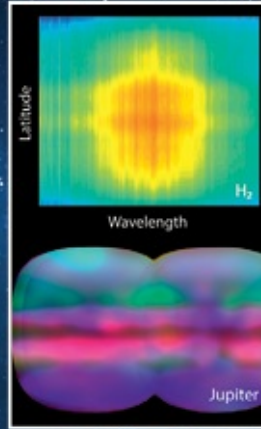
*SOFIA is opening a new window into the infrared universe. Join us as we set our course to collaborate with the world's infrared-optimized telescopes to examine the Birth of Planets and Stars, the Path to Life, and Extreme Environments.*



### Session 1

**The Birth of Planets and Stars:  
Finally Charting the Infall**

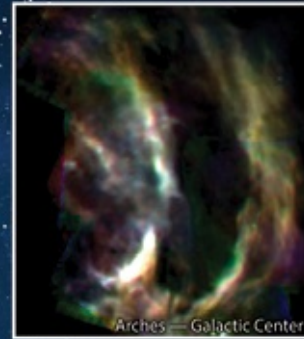
Monday, June 4, 2018  
10:40 a.m.



### Session 2

**The Path to Life: Water,  
Organics, and Dust  
through Cosmic Time**

Monday, June 4, 2018  
2:50 p.m.



### Session 3

**Extreme Environments:  
Stepping Stones to  
Starbursts and AGNs**

Tuesday, June 5, 2018  
10:40 a.m.

### Confirmed Speakers and Topics

Harold Yorke (USRA): Scientific Promise of SOFIA  
 Friedrich Wyrowski (MPIR, Germany): The Quest for Infall in Star-forming Regions  
 Kimberly Ennico-Smith (SOFIA Project Scientist): Future of SOFIA and the Path to Life  
 David Neufeld (Johns Hopkins University): Light Hydride Astrochemistry  
 Alexander Tielens (U. Leiden, The Netherlands): The C+ Universe  
 Elizabeth Mills (Boston U.): A Three Dimensional Picture of Galactic Center Mass Flows From Kiloparsec to Subparsec Scales  
 Lindsay Fuller (U. Texas): AGN/Starburst Separation

**For more information, visit [www.sofia.usra.edu](http://www.sofia.usra.edu)**

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Please feel free to direct questions and comments to the SOFIA Science Center help desk: [sofia\\_help@sofia.usra.edu](mailto:sofia_help@sofia.usra.edu).

