
Outreach to the Scientific Community

Randolf Klein

SOFIA Users Group #14

28 May 2019



Outreach to the Scientific Community

Our activities include:

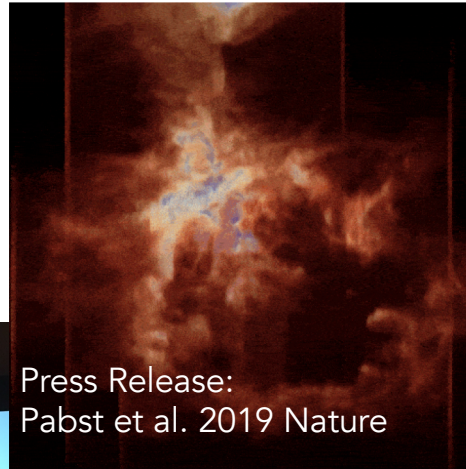
- Community days
- Data analysis support
- Maintaining documentation
- Getting guest observers on “their” SOFIA flight
- Publicizing SOFIA results
- AAS Meetings

AAS Meetings

- Winter Meetings
 - Booth
 - Newsletter: Science spotlight, Program status and activities
 - Informational handouts: Quick Guide, Techflyer
 - Other “swag”
 - Interactive displays, video
 - SOFIA Scientists
 - Townhall and/or Special Session (proposal deadline May 30)
 - Splinter meeting (depending on outcome of the Townhall and/or Special Session proposals)
 - Hyperwall presentation on SOFIA Science
 - possibly press releases
 - No visit by SOFIA to Honolulu, but possibly to Phoenix in 2021

Impressions from the last Winter Meeting in Seattle

- FORACST and HAWC+ data analysis workshop
- SOFIA presentations on NASA Hyperwall and ...



Press Release:
Pabst et al. 2019 Nature



SOFIA Booth



SOFIA Special Session:
~70 in the audience



Town Hall with
USRA prizes
70-90 in the audience

Data Analysis Support: Cookbooks

Development of Data Analysis Cookbooks is the foundation of our data analysis support: <https://www.sofia.usra.edu/science/data/data-documents>

Currently there are:

- FORCAST Photometry
- FORCAST Grism Spectra:
 - I. Basic Inspection
 - II. Custom Spectral Extraction
 - III. Basic Line Analysis
- HAWC+ Polarimetry with 30 Dor
- FIFI-LS: Basic Cube Analysis
- GREAT: How to View GREAT Spectra Using CLASS Utility

[Home](#) » [For Researchers](#) » [Data](#) » Data Documents

Data Documents

Cookbook Recipes

These documents provide simple "recipes" (i.e., descriptions and guided examples) 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 cookbooks are collected on our GitHub-page
<https://github.com/SOFIAObservatory/Recipes>

Workshop

- We had a Data Analysis workshop at the 2019 AAS Winter Meeting
- The presentations and a link to our GitHub-page is on the workshop page
- Videos are currently not planned, but an option.
- The next workshop will be a Webinar on proposal tools. We may record the sessions and post them edited.

[Home](#) » [For Researchers](#) » [Meetings and Events](#) » 2019 Winter AAS

2019 Winter AAS



SOFIA at AAS flyer

This is a past event. View and download the presentations given at the 2019 Winter AAS SOFIA Workshop by selecting the links below. The Cookbook Recipes used in the workshop may be found [here](#).

[SETUP+](#) [pdf]

[FORCAST](#) [pdf]

[HAWC+](#) [pdf]

Community Days

Advertising SOFIA science to the community and highlight the SOFIA proposal call:

- Six seminars in the US
- Two workshops in the US
- Five seminars in Germany
- Presentations at the Herschel and the SPICA conferences in Europe
 - May 2 – Lunch talk at UC Berkeley (Randolf Klein, USRA)
 - May 3 - Seminar on SOFIA Science at the University of Kiel, Germany (Bernhard Schulz, DSI)
 - May 6 - Proposal Workshop and Seminar on SOFIA Science at the Northwestern University (Randolf Klein, USRA)
 - May 8 - Proposal Workshop at the University of Wisconsin - Madison, (Randolf Klein, USRA)
 - May 8 - Seminar on SOFIA Science at the Max Planck Institute for Extraterrestrial Physics, Garching, Germany (Bernhard Schulz, DSI)
 - May 9 - Seminar on SOFIA Science at the University of Iowa, Iowa City (Randolf Klein, USRA)
 - May 10 - Seminar on SOFIA Science at the Hamburg Observatory, Germany (Bernhard Schulz, DSI)
 - May 13 - Seminar on SOFIA Science at the University of Illinois, Urbana, IL (Randolf Klein, USRA)
 - May 13 -14: "Herschel 10 years after launch: science and celebration" conference in Madrid Spain
 - "Herschel-Sofia complementarity" - talk by Hans Zinnecker (DSI)
 - "Do you miss Herschel? - Use SOFIA!" - poster by Maja Kaźmierczak-Barthel (DSI)
 - May 13 - 17: "New Horizons in Planetary Systems" conference in Victoria, BC, Canada
 - "Solar System Science with SOFIA" poster by Arielle Moullet (USRA)
 - "The High Resolution Mid-Infrared Spectrometer (HIRMES) Instrument" poster by Karwan Rostem (Goddard)
 - "Mid-Infrared Variability in Spectra of Pre-Transitional Disk Sources AB Aur and MWC 758: Preliminary Results from SOFIA-FORCAST Observations" poster by Ralph Shuping (Space Science Inst./USRA)
 - May 14: Proposal Workshop at the University of Illinois, Urbana, IL (Randolf Klein, USRA)
 - May 16 - Seminar on SOFIA Science at the University Kassel (Bernhard Schulz, DSI)
 - May 17 - Seminar on SOFIA Science at the Thuringian State Observatory, Tautenburg, Germany (Bernhard Schulz, DSI)
 - May 20 - 23: "Exploring the Infrared Universe: The Promise of SPICA" conference in Hersonissos, Greece
 - "Exploring the Infrared Universe with SOFIA" talk by Bernhard Schulz (DSI)
 - May 21: Seminar on SOFIA Science at the Dominion Astrophysical Observatory, Victoria, BC, Canada (Arielle Moullet, USRA)
 - May 22: Seminar on SOFIA Science at the University of Washington, Seattle, (Arielle Moullet and Ralph Shuping, USRA)

Aug 9: Webinar on Proposal Tools (four weeks before the deadline)

More activities

- Updating documentation to any changes of instrument or software:
Observer's Handbook, USPOT manual, Quick Guide, Tech Flyer, and Website in general
- Getting guest observers on “their” SOFIA flight
Inviting Guest Observers and providing help with the paperwork so that they can fly during their observations Not required, but give GOs better insight in their data, and creates SOFIA enthusiasts
- Publicizing SOFIA results:
Together with authors create Science Spotlights for our (e-)Newsletter, website and image releases on NASA.gov