

Science Outreach Activities

Ravi Sankrit
(SOFIA/USRA)

7th Meeting of the SOFIA Users Group ; April 15, 2015





Topics in this presentation

Basic tasks of the Science Outreach Group (SOG).

SOFIA Observers' Workshop, May 20-21, 2015.

Splinter session, and science participation at the IAU, August 2015.

Presence at future AAS meetings.

SOFIA Community Tele-talk series.

Questions for the SOFIA Users Group.



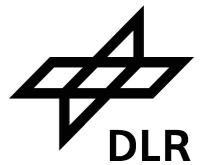


Science Outreach Group

SOG Tasks

- (i) Keeping track of conferences of relevance to SOFIA, organizing participation or otherwise providing visibility for the Observatory at these conferences.
- (ii) Organizing talks about SOFIA at universities and other institutions.
- (iii) Planning SOFIA workshops and splinter sessions at the AAS meetings.
- (iv) Identifying other activities in which SOG members can usefully participate to highlight SOFIA science and capabilities.





Meetings Watchlist example

Thursday, February 19, 2015

SOFIA Science Outreach Group: Meetings Watchlist

March 2-5, 2015, Santiago, Chile.

Ground and space observatories: a joint venture to planetary science
<http://www.eso.org/sci/meetings/2015/Planets2015.html>
Deadlines: November 20, 2014 (TBD) for abstract submission.

March 15-18, 2015, Tegernsee, Germany.

Spectroscopy with the Stratospheric Observatory for Infrared Astronomy (SOFIA2015)
<https://indico.mpifr-bonn.mpg.de/indico/conferenceDisplay.py?confId=93>
Pre-registration is open; registration opening November 15th.

March 16-18, 2015, Cambridge, MA.

The 26th International Symposium on Space Terahertz Technology
<http://www.cfa.harvard.edu/events/2015/isst2015/>
Abstract deadlines: early submission - December 10, 2014, final - January 10, 2015.

May 12-16, 2015, Zakopane, Poland.

High-Resolution Submillimeter Spectroscopy of the Interstellar Medium and Star Forming Regions - From Herschel to ALMA and Beyond
mailto: herschel2alma@ncac.torun.pl
Workshop limited to about 50 participants.

May 25-29, 2015, Platanias-Chania, Greece.

Gas, Dust and Star-Formation in Galaxies from the Local to Far Universe
<http://www.gdsf2015.org/index.html>
Deadline for abstract submission: January 26, 2015.

June 2-5, 2015, Pasadena, CA.

Far-IR Science Interest Group Workshop

June 8-11, 2015, Heidelberg, Germany.

FIR Fine Structure Lines Workshop
<http://www2.mpia.de/~fsl2015/>
Deadline for abstract submission: February 16, 2015.

June 8-12, 2015, Nice, France.

The Physics of Evolved Stars
<http://poe2015.sciencesconf.org/>
Pre-registration open.



7th SUG Meeting, NASA Ames, Moffett Field, CA ; April 15, 2015.





2015 SOFIA Observers' Workshop

LOC: B-G Andersson, A. Boogert, A. Helton, R. Sankrit

http://www.sofia.usra.edu/Science/workshops/SOFIA_Workshop_2015/workshop.html

May 20-21 2015
The Historic Adobe Building
157 Moffett Blvd
Mountain View, CA 94043

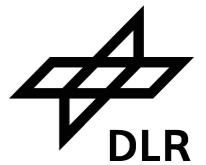
The workshop will provide information about the observatory and its scientific capabilities, and about the proposal process. The material will be presented at a range of levels, suitable for new and experienced users of the Observatory, and for infra-red experts and non-experts.

The workshop will include a science talk, and scientific results from SOFIA observations will be presented as examples throughout.

Participants are invited to present posters on SOFIA related science.

General Investigators with SOFIA data are invited to visit the Science Center on May 22nd.





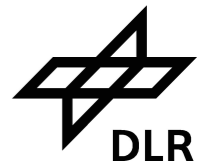
IAU XXIXth General Assembly

SOFIA Splinter Session

Wednesday, 5 August at 6:00pm-7:30pm (first week).

Meeting Description: The Stratospheric Observatory for Infrared Astronomy, SOFIA, is a 2.5 meter infrared telescope mounted in a Boeing 747SP that operates at altitudes up to 14 km (45,000 ft). It is a joint program of NASA and the German Aerospace Center, DLR. In March 2015, SOFIA started its third annual Cycle of guest investigator observations. In this session, we will update the community on the progress of the observatory and its scientific instruments, including the upcoming commissioning of HAWC+. We will outline our plans for future Calls for Proposals for observations using SOFIA, which are open to the astronomy community worldwide.





IAU XXIXth General Assembly

SOFIA presence at scientific sessions

Friday, February 27, 2015

IAU XXIX GA Symposia and Focus Meetings relevant to SOFIA

http://astronomy2015.org/symposia_focus_meetings

DIVISION H MEETING

SYMPOSIA

IAUS 315 - From Interstellar Clouds to Star-forming Galaxies: Universal Processes?

IAUS 316 - Formation, Evolution and Survival of Massive Star Clusters

IAUS 318 - Asteroids: new Observations, New Models

FOCUS MEETINGS

FM 4 - Planetary Nebulae as Probes of Galactic Structure and Evolution

FM 7 - Stellar Physics in Galaxies Throughout the Universe

FM 9 - Highlights in the Exploration of Small Worlds

FM 10 - Stellar Explosions in an Ever-Changing Environment

FM 12 - Bridging Laboratory Astrophysics and Astronomy

FM 15 - Search for Water and Life's Building Blocks in the Universe

FM 16 - Stellar Behemoths - Red Supergiants Across the Local Universe

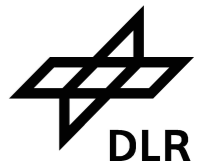
FM 19* - Communicating Astronomy with the Public in the Big Data Era

*The session FM 19 will be covered by the SOFIA E/PO group.



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SOFIA at the AAS Meetings

The baseline plan -

SOFIA booth at all AAS meetings, with personnel available to answer questions and provide help to users and potential users of the Observatory.

SOFIA splinter session or Town Hall at all winter meetings.

Possible modifications and additions -

Splinter session at a summer meeting, as did take place at the June 2014 Boston AAS.

Mini-workshop either at the booth, or in a separate venue.

Special session highlighting SOFIA science; this would be part of the main scientific program. (January 2016 in Florida a possible target?)





SOFIA Science Conference?

We are exploring the following options -

- i) A SOFIA Science Conference in Mountain View, middle of 2016.
- ii) A “special session” at the next winter meeting of the AAS in Florida, January 2016.





SOFIA Community Forum Tele-Talks

organized by Dan Lester (U.Texas,Austin), and supported by R. Sankrit (SOFIA/USRA)

<http://spirit.as.utexas.edu/~dan/SOFIAteletalk/agenda.htm>

<http://www.sofia.usra.edu/Science/SCF/>

SOFIA Community Tele-Talk Series

844-467-4685 passcode 2088756641# (international access to this number is free, see [here](#))

URL for slides: click on title below, or return to the updated [agenda page](#) and do so, or click here for DropBox if active link -- ▲
Slides may not be available until an hour or so before the talk.

Wednesday, April 29, 2015 9:00am PDT 6:00pm CEST

Title: "FORCAST's View of the Serpens South Protocluster Core"

Presenter: Tracy Huard (University of Maryland)

Abstract: "With a high ratio of protostars to young stellar objects (YSOs), the Serpens South Protocluster is among the youngest known clusters. At the time of its discovery, 91 protostars and YSOs were identified based on excess infrared emission; half of these members are found within the cluster core. We observed most of this core in a single FORCAST field of view at 19.7, 25.3, and 37.1 microns. These observations revealed a faint protostar about 7" (2900 AU at 415 pc) from a previously known protostar, demonstrating a strength of FORCAST in discovering faint sources previously unresolved from brighter neighboring sources. Another strength of FORCAST is that it may reveal internal luminosities of protostars with precision approaching that achieved by Spitzer and Herschel. I will present our FORCAST observations of Serpens South, spectral energy distributions of cluster members, and radiative transfer models that may be used to interpret these observations as well as FORCAST observations of other protostars."

Future tele-talks (Wednesdays 9am PT, provisional schedule):

May 6: David Neufeld (JHU)
May 27: Nick Indriolo (U. Michigan)

If you'd like to be on (or off) the mailing list for this telecon, please go [here](#).

Comments about the SOFIA teletalk series should be directed to Dan Lester dfi@astro.as.utexas.edu or Ravi Sankrit rsankrit@sofia.usra.edu.

The SOFIA Community Tele-Talk Series is organized under the auspices of the SOFIA Science Center. A Tele-Talk archive for recent presentations (≥2012) is [here](#). Another Tele-Talk archive that includes older (2007-2012) presentations is [here](#).

The SOFIA Science Center website is [here](#). And, just for fun ... recent SOFIA flight track maps can be viewed [here](#).



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Information for Researchers

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SOFIA Community Forum (SCF) Teletalks

The SOFIA Community tele-talks are colloquia presented over the telephone, with slides distributed ahead of time. The talks are targeted broadly towards members of the astronomy community who are interested in SOFIA science and in the current and potential scientific capabilities of the observatory. The talks are held approximately twice a month. The series is being organized by Dan Lester (Univ. of Texas, Austin). For information on how to participate in the teletalks, please check the [SOFIA Tele-talk page](#).

If you would like to be on the mailing list for this telecon, please contact Dan Lester dfi@astro.as.utexas.edu or Ravi Sankrit rsankrit@sofia.usra.edu.

Future tele-talks (Wednesdays 9am PT, provisional schedule):

April 22: Ralph Shuping (SOFIA Science Center)
April 29: Tracy Huard (University of Maryland)
May 6: David Neufeld (JHU)
May 27: Nick Indriolo (U. Michigan)

[Archive of talks from January 2012 onward.](#)

Page Last Updated: April 13, 2015

Announcements

Cycle 3 Information

Publications

Observing with SOFIA

Proposal Calls

Past Observing Cycles

SOFIA Data Products

Documents and Presentations

SOFIA Science Team

SOFIA Advisory Groups



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Questions for the SOFIA Users Group

Our aim is to get the astronomy community interested and excited about SOFIA, and the science it enables.

Questions

Given the specific circumstance of a Senior Review in the near future, what venues exist and what channels of communication are available to us for outreach that we may not have considered?

Are there ways to fine-tune our message at the various forums that we already participate in?

