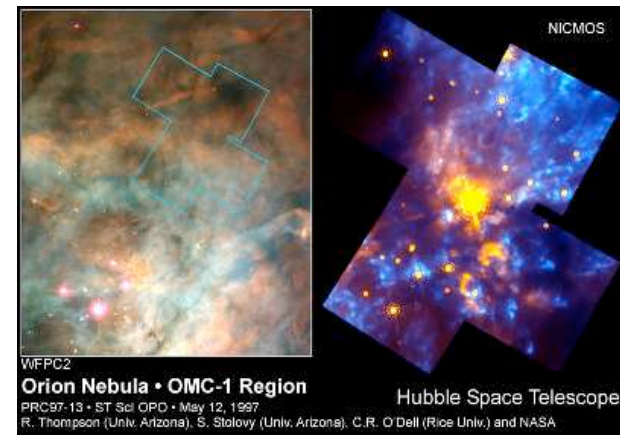
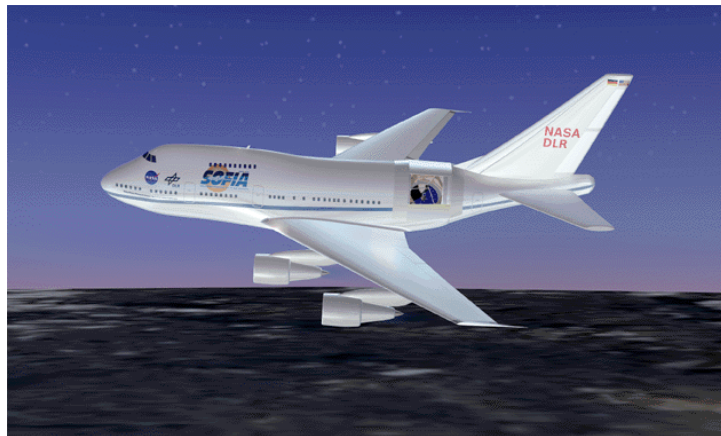


SOFIA Community Task Force (SCTF) AAS Workshop

*Early Science Opportunities
With Sofia V: Introduction*



Robert D. Gehrz

*Lead, SOFIA Community Task Force (SCTF)
Department of Astronomy, University of Minnesota*

Outline

- *The SOFIA Community Task Force (SCTF)*
- *Mission of the SCTF*
- *Activities of the SCTF*
- *Agenda for “Early Scientific Opportunities with SOFIA V”*

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*The SOFIA Community Task Force (SCTF) – Members**

B-G Andersson: USRA, Science Operations Manager

Dana Backman: SETI, SOFIA Outreach Manager

David Black: Lunar and Planetary Institute

Eric Becklin: USRA, Chief Science Advisor

Ed Erickson: SOFIA

Bob Gehrz: University of Minnesota, SCTF Lead

Matt Greenhouse: NASA Goddard Space Flight Center

Helen Hall: USRA, SOFIA Program Manager

Paul Hertz: NASA Headquarters, Chief Scientist

Bob Joseph: University of Hawaii, Institute for Astronomy

Dan Lester: University of Texas

Pamela Marcum: NASA ARC, SOFIA Project Scientist

Tom Roellig: NASA ARC, Deputy SOFIA Project Scientist

Goran Sandell: USRA, Senior Scientist

Erick Young: USRA, Science Mission Operations Director

USRA/NASA SMOC Scientists and Project Personnel

SI PI's/designated representatives

** Outside members denoted in red type*

The Mission of the SCTF

The objectives of the Stratospheric Observatory for Infrared Astronomy (SOFIA) Community Task Force (SCTF) are to:

- Inform and engage the astronomical community in planning for the SOFIA General Investigator (GI) science program*
- Develop a long-range science plan that will realize the potential of SOFIA as a premier observatory and as a platform for developing forefront technology*

SCTF Activities

- *The SCTF holds weekly hour-long SCTF telecons*
- *The SCTF maintains and updates a library of SOFIA presentations, publications, animations, and visual materials at:*

<http://www.sofia.usra.edu/Science/speakers/index.html>

- *The SCTF arranges for SOFIA presentations and workshops at science meetings, universities, and technology venues world-wide to reach audiences of potential users and collaborators*

SCTF Activities to Raise SOFIA's Scientific Visibility

- *Talks and papers presented at universities and space science related venues in the United States and abroad to inform the user community about the status of the SOFIA Project can be viewed and downloaded at:*

<http://www.sofia.usra.edu/Science/speakers/index.html>

- *White paper from Caltech Workshop on “SOFIA’s 2020 Vision”*

[http://www.sofia.usra.edu/Science/07Dec SOFIA Vision/SOFIA 2020Vision white paper final.pdf](http://www.sofia.usra.edu/Science/07Dec_SOFIA_Vision/SOFIA_2020Vision_white_paper_final.pdf)

- *White paper from AAS : “Early Science Opportunities with SOFIA”*

[http://www.sofia.usra.edu/Science/speakers/Early-Science Opportunities with SOFIA v6.0.doc](http://www.sofia.usra.edu/Science/speakers/Early-Science_Opportunities_with_SOFIA_v6.0.doc)

- *SOFIA Design Reference Mission papers*

http://www.sofia.usra.edu/Science/science_cases/index.html

- *SOFIA’s New Science Vision: “The Scientific Vision for the Stratospheric Observatory for Infrared Astronomy” discusses both early and long-range science capabilities. Copies are available at the SOFIA Booth and can be downloaded at:*

<http://www.sofia.usra.edu/Science/docs/SofiaScienceVision051809-1.pdf>

Objectives of “Early Science Opportunities with SOFIA V”

- *Inform the Astronomical Community about the status of the SOFIA Project and the General Investigator (GI) science program*
- *Solicit Community feedback from the science community on the implementation of the SOFIA data reduction and archive software development*

Agenda for “Early Science Opportunities with SOFIA V”

6:00 PM: Introduction and welcome – R. Gehrz

6:10 PM: Present status and schedule of the SOFIA development – P. Marcum

6:30 PM: Present plans SOFIA data pipeline processing and data archive content- T. Stephens

6:50 PM: Discussion of above and input from attendees- moderated by T. Stephens/E. Young

7:20 PM: Advertisement for upcoming Asilomar workshop, closing comments, and capture of any action items- R. Gehrz

7:30 PM Adjourn

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SOFIA New Instrumentation Workshop



- *Asilomar Conference Center
Monterey CA
June 6-8, 2010*
- *A workshop to bring together
theorists, observers, and
instrument builders to identify key
science investigations and the new
instrumentation that enables them*

<http://www.sofia.usra.edu/Science/workshops/asilomar.html>

SOFIA Basic Science Call for Proposals

- *We plan to issue a Call for Proposals for Basic Science Guest Investigators in Spring 2010*
- *12 flights (~75 hours at altitude) will be open for competition to all qualified observers*
- *FORCAST and GREAT will be available*
- *Support will be provided to observers from US institutions*



http://www.sofia.usra.edu/Science/proposals/basic_science/index.html