

# SOFIA

Stratospheric Observatory for Infrared Astronomy

## HAWC Critical Design Review

Sean C. Casey

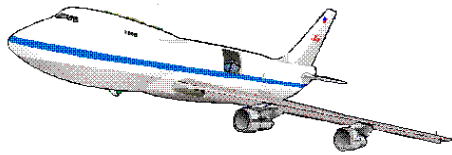
USRA Senior Scientist

Lead Scientist for Science Support

01-Feb-01

HAWC CDR at Yerkes





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## HAWC CDR Panel

Dale Fixsen, ST ScI

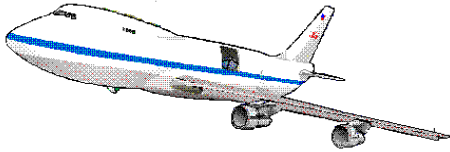
Terry Herter, Cornell (Chair)

Bob Hovde, USRA

Gene Serabyn, JPL

Goren Sandell, USRA

Dan McCammon, Univ. of Wisc.



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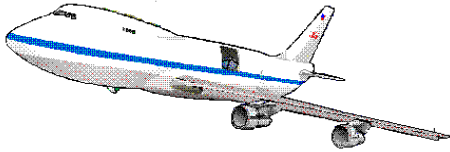
## Review Policy

SOFIA science support review policy is to facilitate the development of world class instruments. The review policy is guided by past experiences of other ground based and space based facilities.

The review board is responsible for making judgments and recommendations concerning the review content. The board chairman is responsible for supervising the review, mediating discussions, meeting the review objectives, and maximizing the value-added contribution of the review board.

Following the review, the board meets to discuss findings, review and assign RFAs, and prepare a draft report. The board rejects or adopts either in part or in full all submitted RFAs from the review. The chairman prepares a final report of concerns and recommendations.

The review board chairman prepared a final report of the review and delivers the report to the observatory directory within two weeks of the review. The final report is distributed to all the meeting attendees by the observatory director following receipt from the board chairman.

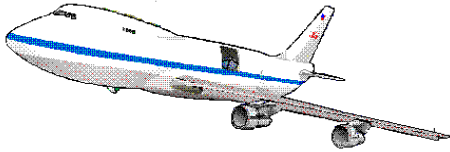


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## FSI Critical Design Review Charter

- Operational requirements and verification compliance
- Summary of major derived design specifications and constraints
- Major changes since PDR
- Interface details and status of agreements
- Selected design details
- Critical component status
- Selected manufacturing details and plans
- Configuration control plan (HW/SW)
- Maintenance plans (HW/SW)
- Documentation status
- Breadboard and prototype test status and results
- Test plans for the deliverable units
- Operational features and constraints
- Spare provisions
- Support equipment requirements, provisions, and plans
- Schedule, budget, and flow plan status
- Major concerns, open items, and plans for resolution

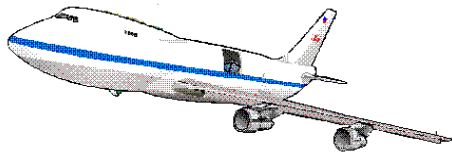


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## SOFIA FSI Review Process

- Required of all SOFIA facility instruments
  - Independent review panel
- Review board submits recommendations to observatory director
- Director and Instrument PI derive agreement
- Science Support follows up on agreement



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## Request for Action Item Form

Presenter:

Section:

Comments:

Request for Action:

Author:

Date:

01-Feb-01

HAWC CDR at Yerkes

