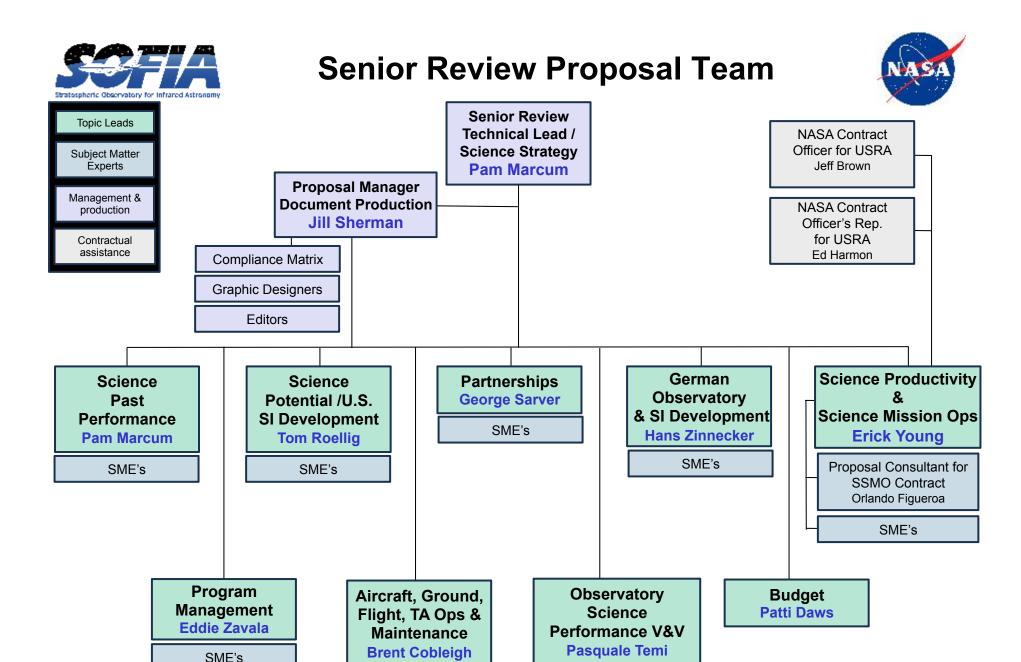




SENIOR REVIEW STATUS

Demonstration of scientific productivity
Promise of future science
Cost effectiveness

The unique scientific return from SOFIA is worth the resources (cost) invested by NASA and DLR



SME's

SME's



Senior Review Process



	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Deliverables	Proposal Outline Draft #1	roposal Outlin Final Draft	e Interme (strategy	diate Draft storyboard, drafts of				1st Full Proposal Di	2 nd Proposa		Final roposal		esentation inal Draft
Astronomical Community Input	SN	1 30	"descripti	ve" sections) ndo Report									
Relevant Conferences	SOFIA Ringberg Conference		SOFIA Workshop			IAU	SOFIA W Cycle 4 S						
Proposal Actions	Topic Leads (Core Team) Assigned	ompliance Mat Draft Comple	rix le*				RI Rece						
Team Activities & Resources	Share Point	All Hands		exter	nal c	nip dra Duncils anage	s and	Ames					
Proposal Reviews			Blu M	SCIEI		anage		Bi	ue Team Re Mtg #2	A Team		Gold Team	Senior Review

A Few Questions We'd Like You To Consider...

- 1. How would you define "impactful" or "compelling" science?
- 2. What would you consider to be SOFIA's top 3 most impactful science results to date?
- 3. What do you anticipate (or would like to see) being SOFIA's most impactful science results in the next 5 years?
- 4. What do you think should be the advertised model for SOFIA in the future:
 - a. remain as an "open observatory" with science directions completely defined by a peer-reviewed proposal process utilizing the current broad range of wavelength space,
 - b. redefine itself as being an observatory aimed at addressing key projects for which the community helps to define,
 - c. remain an "open observatory" but limit the science investigations to specific wavelength ranges
- 5. If you had to come up with a single phrase to put on the bottom of a coffee mug that summed up what SOFIA offers to the scientific community, what would it say? (Is there a common theme that ties together all of the science that SOFIA does, or in your opinion, does SOFIA mostly perform a variety of investigations that are largely unconnected by a common theme but rather stand on their own merits?)
- 6. Up to this point, has SOFIA performed any kinds of observations that you consider to not be the best use of resources (for example, observations that can be done in a fraction of the exposure time and at better sensitivity with JWST, or science questions that can be answered from ground based telescopes just as effectively)?
- 7. Do you have any other thoughts about how SOFIA's science productivity and future promise should be described in the Senior Review that would be particularly compelling, that would highlight SOFIA's uniqueness, and underscore its ability to substantially advance the field in particular areas?





SMO Senior Review Support

Erick Young
SOFIA Science Center







Productivity



- The most important thing the SMO can do is to successfully execute the science program for 2015
 - Northern flight series
 - Southern Hemisphere Deployment
 - Pluto Occultation
 - Instrument Commissioning
 - Cycle 4 Observation Program
 - Delivering the Data to the Observers
 - Publishing results
 - Making SOFIA known to the wider astronomical community

The team has been doing an outstanding job!







USRA Sponsored Strategic Study



- USRA is sponsoring an independent study to provide input to the overall proposal effort
 - Led by Orlando Figueroa, former NASA Director of Solar System Division,
 Director of Mar Exploration Division, Deputy Center Director GSFC
 - Ed Weiler, former NASA Associate Administrator for Space Science
 - Judy Pipher, University of Rochester
 - Gary Melnick, Smithsonian Astrophysical Observatory
 - Rick Howard, former SOFIA Program Executive
 - Bill Green, former manager IPAC
- Deliverables Brief Reports
 - Science Themes for 2017 2020
 - Innovative approaches to observing program
 - Efficiencies in science operations
- Work of team would be done by end of May
- SOFIA Science Council meets April 30 to also provide input







My Assessment



- We will be challenged in the coming year by the Senior Review
 - Lots of extra work on top of our "Day/Night" jobs
- Opportunity to reassess and focus our efforts
- Most challenging area will be demonstrating "cost effectiveness" relative to other missions

 We have a great story to tell and I'm confident we will do well









External councils

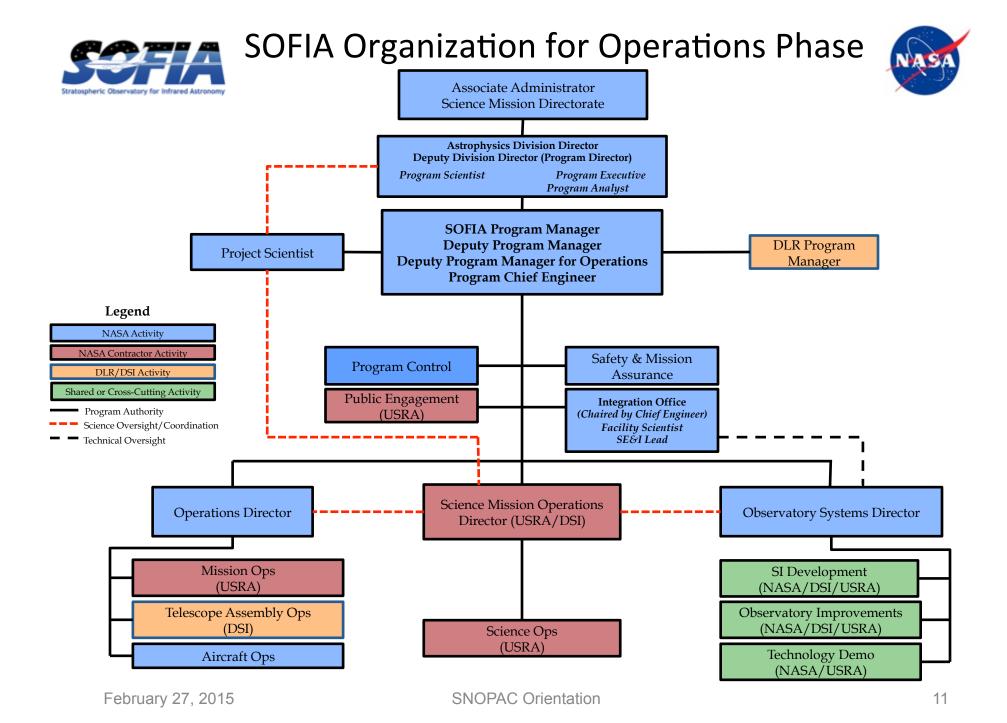
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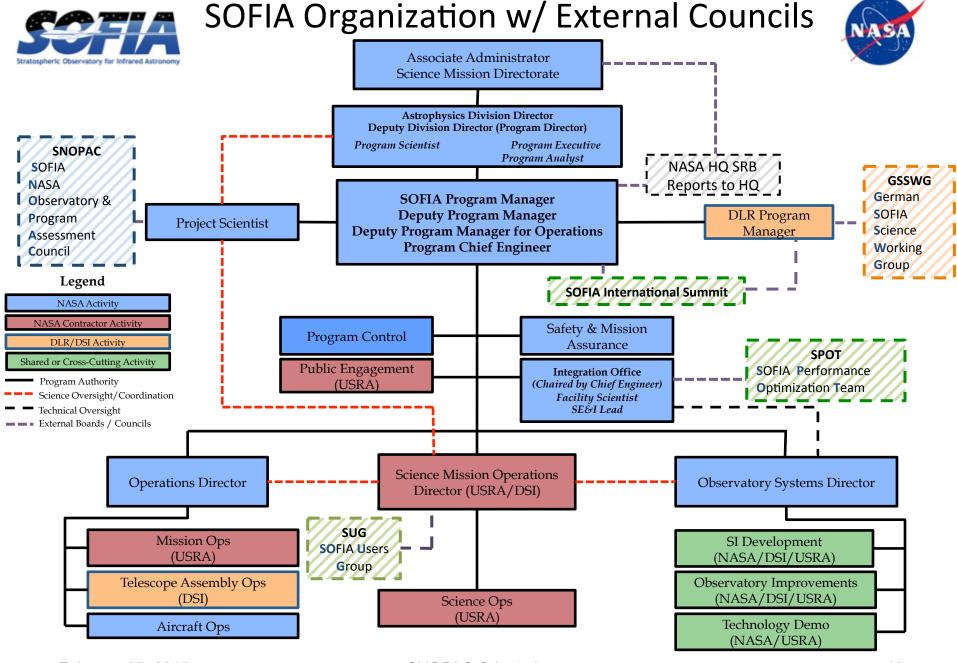


Senior Review Process



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Team Activities & Resources	Share Point	All Hands		Membership drawn from SOFIA external councils and Ames science management									
Proposal Reviews February 2	7, 2015		Bli	Je Team	SNOP/	AC Orient:			ue Team Ri	ed Team		Gold Team	Senior Review





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