

SN 1987A

Cycle 8 TAC

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November 4, 2019

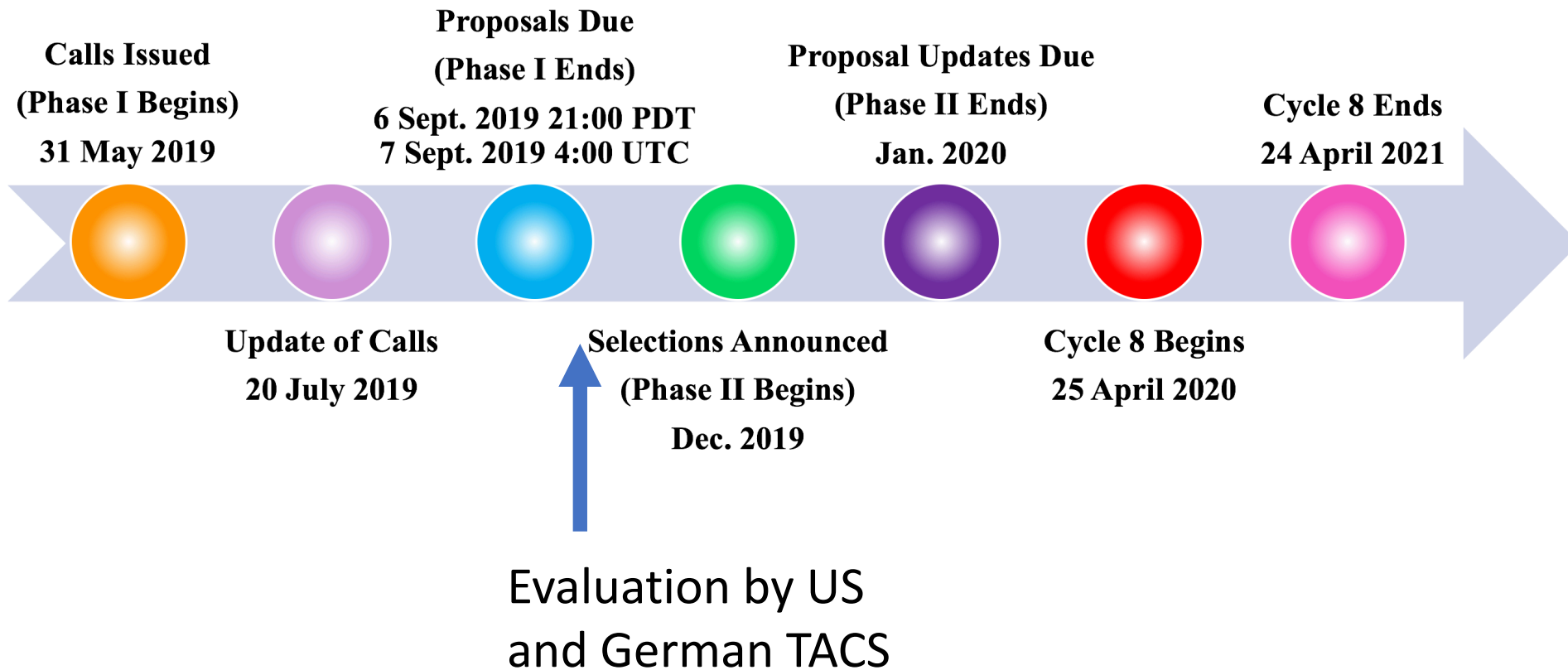


FORCAST **19 μ m**, **37 μ m**; Herschel **70 μ m**; Spitzer 3 μ m
USRA | NASA | SOFIA | Spitzer | Herschel

NASA/SOFIA/Symbolic
Pictures/Casadonte Group

SOFIA Cycle 8

Cycle 8 Timeline



Cycle 8 TAC

TAC Details

- The German TAC will meet 7-8 October 2019
- The US TAC will meet 14-16 October 2019
- The US TAC consists of 32 panelists, broken into 6 Subpanels:
 - Legacy + Archival
 - Circumstellar Matter
 - Extragalactic
 - Interstellar Medium
 - Star Formation
 - Solar System and Stars

Cycle 8 Proposals

Total Number of US proposals

The total number of US Cycle 8 proposals received is 210.

This is a similar number compared to Cycle 7.

Archival proposals are a new category for Cycle 8.

Total	210
Legacy	9
Archival	5
GO	196
(Theses)	(20)

US Oversubscription Rate

Total hours requested = 2900 hours

GO hours requested = 1986 hours

Legacy hours requested = 914 hours

Assuming approximately 500 hours of US observing time, the oversubscription rate is ~5.8.

Assuming 200 hours devoted to Legacy proposals the US GO oversubscription rate is ~6.6, and the Legacy oversubscription rate is ~4.6

Cycle 8 Proposals

Hours Requested by Instrument

Hours Requested by Instrument (TOTAL HOURS = 2900.31)						
	<u>EXES</u>	<u>FIFI-LS</u>	<u>FORCAST</u>	<u>GREAT</u>	<u>HAWC+</u>	<u>FPI+</u>
All	132.12	539.13	314.15	894.48	1020.29	0.14
GO	132.12	314.25	314.15	681.1	544.26	0.14
Legacy	0	224.88	0	213.38	476.04	0
TOTAL	132.12	539.13	314.15	894.48	1020.3	0.14

The total hours requested overall is largest for HAWC+

The total hours requested for GO proposals only is largest for GREAT.

The total hours requested for Legacy proposals is largest for HAWC+.

Cycle 8 Proposals

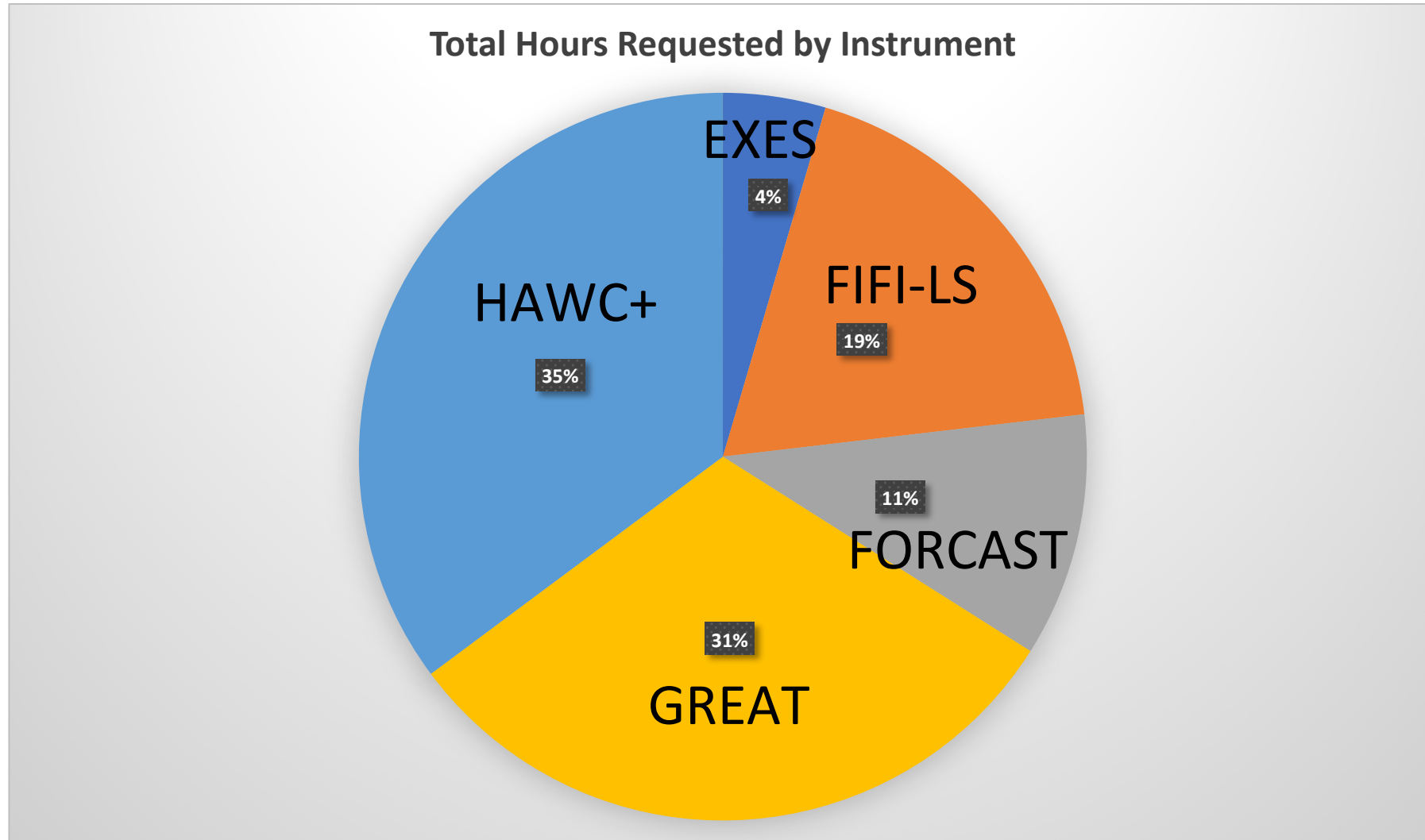
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The least requested instrument overall (excluding FPI+) is EXES, followed by FORCAST. The Cycle 8 Call for Proposals informed users that this Cycle may be the last in which FORCAST will be offered.

Cycle 8 Proposals

Hours Requested by Instrument



Cycle 8 Proposals

Scientific Categories

CSM	28
ExG	44
ISM	51
SF	49
SS	8
ST	16

CSM = Circumstellar

ExG = Extragalactic

ISM = Interstellar Medium

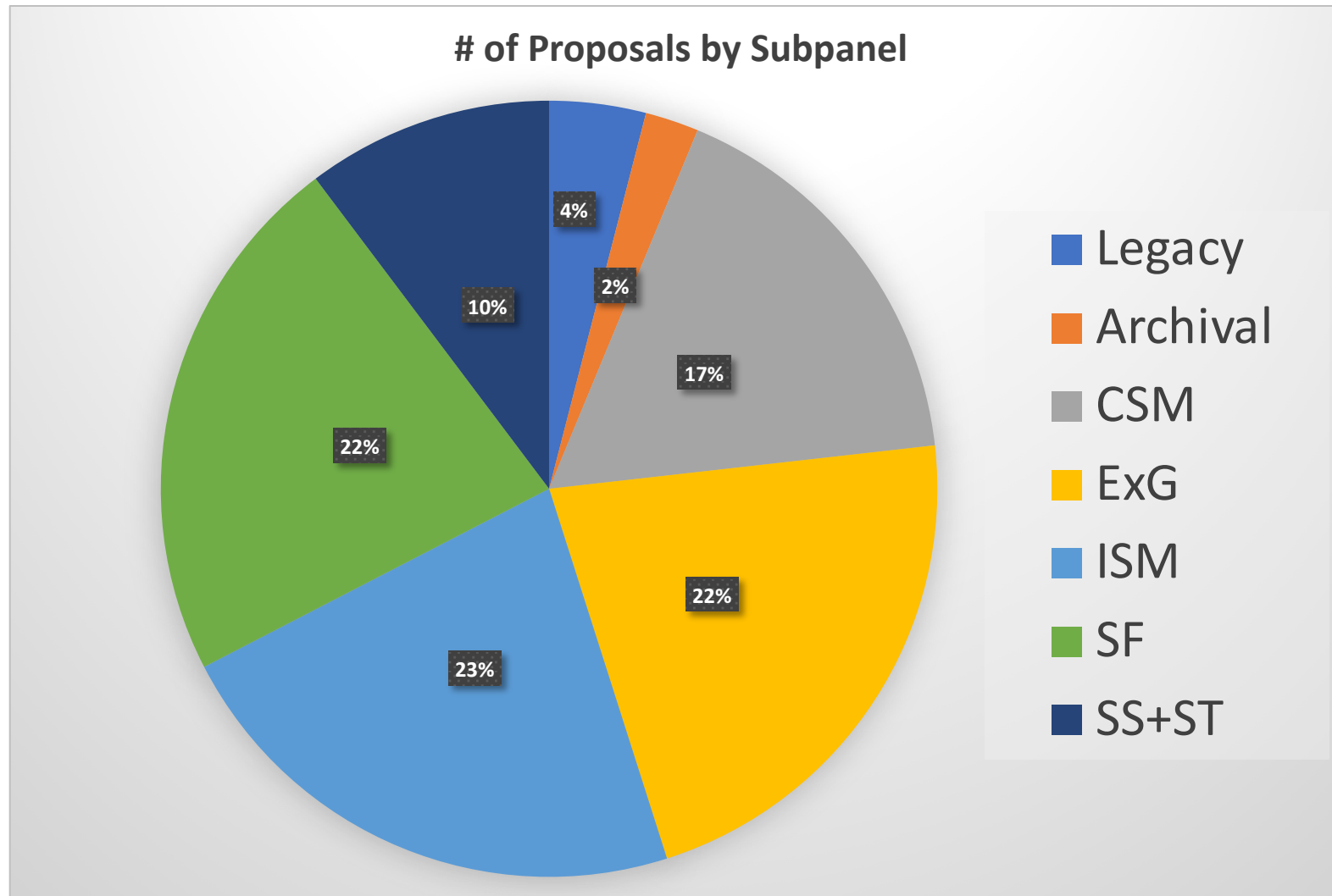
SF = Star Formation

SS = Solar System

ST = Stellar

Cycle 8 Proposals

of Proposals by Scientific Category



Cycle 8 Proposals

Legacy Proposals by Scientific Category

CSM	1
ExG	3
ISM	3
SF	2
SS	0
ST	0

Cycle 8 Proposals

of Proposals with USRA PIs broken down by instrument

EXES	5
FIFI-LS	3.5
FORCAST	3.5
GREAT	5
HAWC+	7
Archival	1
Total	25

Cycle 8 Proposals

New Investigators and Countries Represented

Cycle 8 has 47 new PIs (40 US, 7 Germany) who have never been a PI or Col in previous cycles.

Cycle 8 has received proposals with PIs from 22 different countries (up from 17 in Cycle 7).

Flash Call

- On September 18, 2019, SOFIA issued a Flash Call for FIFI-LS proposals to fill flight legs on currently scheduled flights.
- The Flash Call solicited proposals for targets between RA 21–00 hours and north of Dec +20.
- Within three days, the observatory received 21 proposal.
- Four proposals selected for current flight plans for the upcoming Fall series,
 - Accretion bursts in massive star forming regions (Eislöffel, [75 0043](#)),
 - Analogue to the Milky Way (Fadda, [75 0045](#))
 - Physical parameters of photodissociation regions (Klein, [75 0046](#)),
 - Effects of environments on stellar outflows (EWinston, [75 0047](#)).
- Three more accepted for the next FIFI-LS flight series.

Cycle 8 Proposals

Summary

- Cycle 8 proposal pressure was strong, with a large oversubscription rate ~6.
- The scientific categories in highest demand are Interstellar Medium, Star Formation, and Extragalactic, with roughly equal numbers of proposals.
- HAWC+ and GREAT are the instruments with the highest demand.
- EXES, FORCAST, and FIFI-LS are the instruments with the lowest demand.
- SOFIA continues to attract new investigators, with 47 new investigators.