



# Spitzer Cycle-10 Proposals Submission Statistics



## Overview



- **Exploration Science, Regular GO and Snapshot proposals solicited**
- **Nominal Cycle-10: Dec. 2013 – Oct. 2014**
- **4500 hours of priority 1 time available to schedule**
- **Select 2000 hours each in priority 2 & 3 time**
  - *Bridge to Cycle-11 if extended for future cycles*



## Cycle-10 Proposal Types



- **Small GO**                       **$\leq 10$  hours**
  - *Rank and selection based on preliminary panel grades, nominally not discussed at telecon*
  - *No direct data analysis funding, page charges okay*
- **Medium GO**                      **10 – 100 hours**
  - *Discuss and recommend hours during panel telecon*
  - *Eligible for \$5000 – 10,000 in data analysis funding*
- **Large  $> 100$  hours, Exploration Science  $> 500$  hours**
  - *Discuss and rank during panel review, forward highly ranked proposals to the TAC*
  - *Formulaic data analysis funding determination*
- **Snapshot proposals – no size limits**



# Submitted Proposals



- **137 proposals received – 31,817 hours requested**
  - *~ 8 months of new priority 1 time available*

Prop. Type	Prop. Size (Hours)	# Props Received	Total Hours
Exploration Science	> 500	18	23,290.4
Large	100 - 500	28	6,013.2
Medium	10 - 100	53	2,350.4
Small	< 10	38	162.9

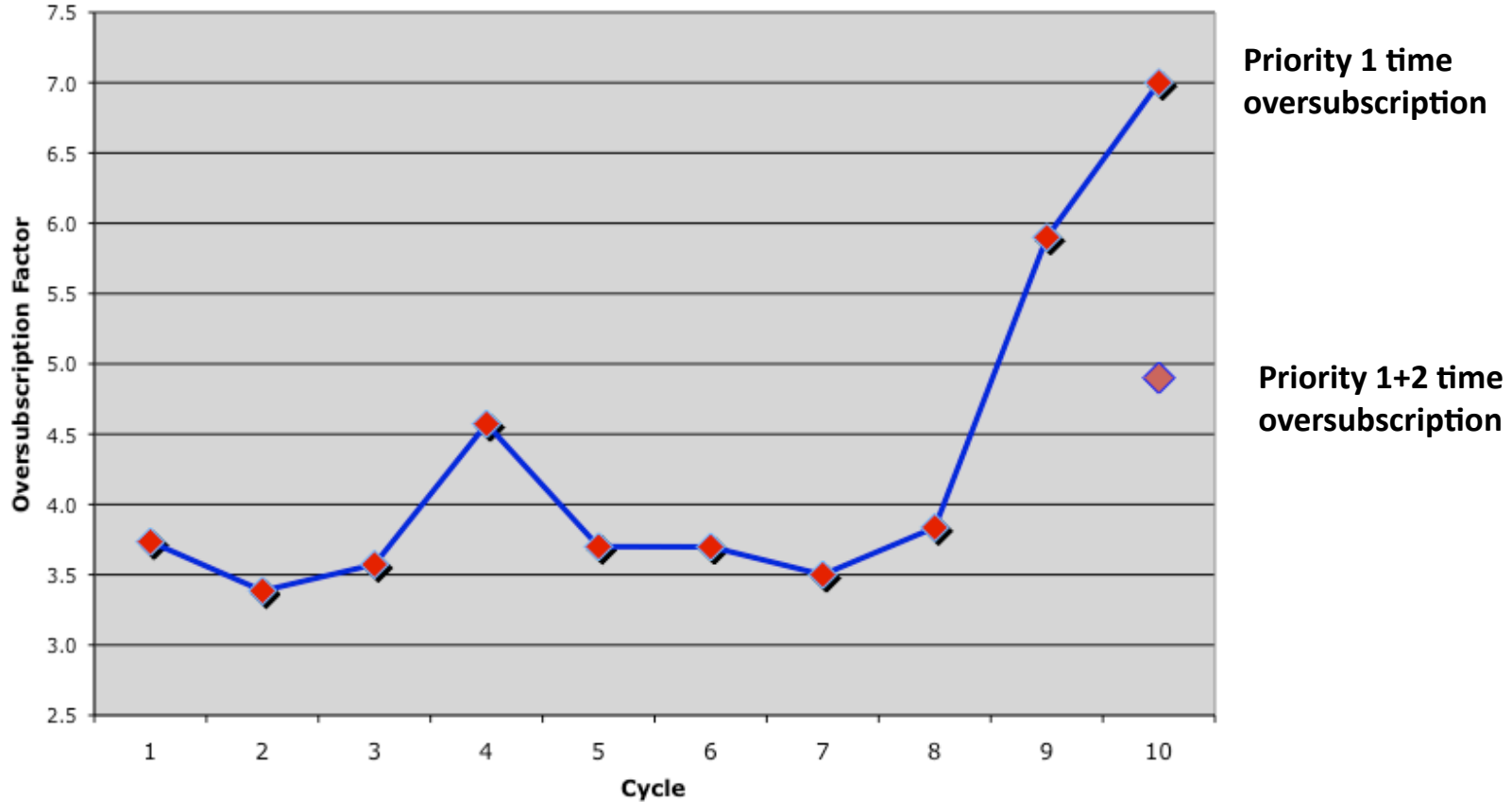
- *Compare with cycles 8 and 9*
  - C9: 200 proposals, 48,100 hours (15+ months, 2-part proposal call)
  - C8: 167 proposals, 28,000 hours (15+ months)
- **Demand is high – proposers are thinking big**



# Hours Oversubscription



- Priority 1 time oversubscribed by a factor of 7!
- Including priority 2 time oversubscription is nearly 5.





# Submissions by type



Hours Requested	All	Small	Medium	Large	ES
median	48.0	3.7	37.6	177.7	830.0
mean	232.2	4.3	44.3	214.8	1293.9
minimum	0.3	0.3	10.7	107.4	542.3
maximum	5406.0	9.9	99.0	449.4	5406.0
# of props	137	38	53	28	18

- **Joint proposals – 5 received**
  - 2 request Chandra time            *total 95 ksec*
  - 3 request Hubble time            *total 31 orbits*
- **5 Snapshot proposals were submitted**



# Cycle-10 Exploration Science



- **23 Letters of Intent received – 18 proposals submitted**
  - *Matches expected ratio based on previous cycles*

Proposals	Science Category	Hours
5	Exoplanets	8,481
2	Galactic	1,639
1	Solar System	583
9	Distant Universe	11,830
1	Nearby Universe	758



# Regular GO + Snapshot



- Small, medium, large proposals

Science Category	# of Props	Hours Requested	Science Category	# of Props	Hours Request
Galactic			Extragalactic		
exoplanets	20	2653.9	high-z galaxies	11	920.7
debris disks	14	285.1	nearby galaxies	10	777.5
brown dwarfs	10	795.5	agn	7	325.3
evolved stars	6	77.6	galaxy clusters	6	220.2
stellar populations	6	1224.0	interacting galaxies	3	80.8
compact objects	5	195.5	local group	2	11.7
YSOs	4	176.2	ULIRGS	2	259.5
ISM	2	70.1	CIB	1	157.0
star formation	1	107.4	GRBs	1	37.6
Solar System			starburst galaxies	1	37.0
comets	3	61.3	<b>Totals</b>		
NEOs	2	26.3	Galactic	68	5585.3
KBOs	1	6.5	Extragalactic	44	2827.3
satellites	1	19.8	Solar System	7	113.9





## Institutions/Countries



- **75 Institutions, 13 countries**
- **Number of proposals/institution**

*7 /SAO    6 Carnegie, MPIA    5 MIT    4 JPL, GFSC, SSC,  
Arizona*

*3 Arizona St., Caltech, Eureka, IPAC, New Mexico St., Northern  
Arizona, Ohio St., STScI, UCLA, Central Florida, Oklahoma*

*2 Hawaii, UC San Diego, Chicago, Oregon, Wyoming, Shanghai  
Obs., IAS Paris, ESTEC,*

*42 institutions - 1 proposal*

- **19% are foreign-led proposals, 9% of time**

*6 Germany    4 UK    3 China, France, Netherlands*

*1 Austria, Belgium, Finland, Greece, Korea, Russia, Switzerland*



## Cycle-10 Schedule



<b>Milestone</b>	<b>Date - 2013</b>
Issue Call for Proposals	May 1
Exploration Science Letters of Intent Due	May 31
Proposal Deadline	August 2
Review Panel Telecons	September 16 - 20
TAC Meeting	October 15 - 16
Announce Results	October 18
AORs for Large/ES Programs due	November 20
Cycle-10 begins executing	December



## Future Cycles



- **Current engineering analysis shows that Spitzer can continue operations through at least 2016 and likely through 2017.**
- **The Spitzer project will return to the 2014 NASA Senior Review to propose for operations funding to support future observing cycles.**
- **The results from the Senior Review should be available in the April – June 2014 time frame.**