Spitzer Cycle-7
Proposal Selection Statistics

Overview

- **1,500 General Observer + 750 Snapshot hours solicited**
- **Cycle-7 Dates: August 2010 - July 2011**
- **Maximum proposal size is 500 hours**
- **Snapshot proposals introduced**
  - Programs easy to schedule around complicated Exploration Science and GO programs
    - Each AOR < 1 hour in duration, low data volume observing modes
    - No constraints
    - Expect to execute ~50% of hours of snapshot programs

2010 Schedule

- **Proposal Call Issued** **January 22**
- **Proposal Submission Deadline** **April 23**
- **Cycle-7 Panel Reviews** **June 1-10**
- **Cycle-7 TAC Meeting** **June 22**

Proposals Received

- **154 proposals received -- 9,475 hours requested**
  - *Nearly twice as many hours requested as in Cycle-6!*
  - *Oversubscription = 4.2*
- **Regular General Observer Proposals - 7915 hours**
  - *96 small (< 50 hours)* *43 large (> 50 hours)*
  - *Median small = 20.6 hours* *Median large = 101.3 hours*
- **Snapshot Proposals - 1500 hours**
  - *4 small (< 50 hours)* *11 large (> 50 hours)*
  - *Median = 108.4*

Proposals Selected

- **NASA asked us to delay Cycle-8 proposal deadline until February 2010**

  → *Select more hours in Cycle-7 to keep scheduling pool full!*

- **Select 2300 hours GO + 500 hours Snapshot**
  - *Expect to execute ~50% of hours of snapshot programs*
- **53 proposals selected**
  - *GO: 2306.2 hours - 47 proposals*
    - 37* small (732 hours) 10 large (1570.2 hours)

    (includes one small proposal, 29 hrs, selected as DDT)
  - *Snapshot: 481.4 hours - 6 proposals*
    - 2 small (30 hours) 4 large (451.4 hours)

Joint Proposals

- **Chandra**
  - *1 proposal submitted, requesting 100ksec - not selected*

- **HST**
  - *9 proposals submitted - total request = 81 orbits*
  - *3 selected - 24 orbits awarded*

10 Large GO Programs

PID	Science Category	PI *Title*	Institution	Hours
70149	cosmology	Felipe Menanteau *IRAC Imaging of Massive ACT SZ Clusters*	Rutgers	53.4
70154	high-z galaxies	Michael Gladders *Stellar Masses in Strongly-Lensed Galaxies at 1 < z < 3*	Chicago	69.1
70145	high-z galaxies	Ivo Labbe *The IRAC Ultra Deep Fields 2010:Ultrafaint z~7-10 Galaxies*	OCIW	261.6
70010	local group	Barry Madore *Cepheids in the Small Magellanic Cloud*	OCIW	119.0
70062	brown dwarfs	J. Davy Kirkpatrick *Spitzer Verification of the Coldest WISE-selected Brown Dwarfs*	IPAC	212.4
70076	debris disks	Kate Su *A Complete Census of Warm Debris Disks*	Arizona	109.0
70060	exoplanets	Pavel Machalek *Simultaneous Near- and Mid-IR Phase Curves of WASP-12b*	NASA ARC	72.5
70049	exoplanets	Drake Deming *Towards Earths and Beyond: the GJ1214 Opportunity*	NASA GSFC	485.0
70044	star formation	S. Thomas Megeath *Warm Mission Mapping of the Orion OB1 Association*	Toledo	78.0
70115	KBOs	Joshua Emery *IRAC Reflectances of Hot Classical KBOs & Scattered Disk Objs.*	Tennesee	110.2

6 Snapshot Programs

PID	Science Category	PI *Title*	Institution	Hours
70162	AGN	Peter Eisenhardt *IRAC followup of WISE band 1 and 2 dropouts*	JPL	155.8
70135	high-z clusters	Daniel Stern *Snapshot Survey of Galaxy Clusters around High-z Quasars*	JPL	118.6
70091	nearby galaxies	Stacy McGaugh *Low Surface Brightness Galaxies*	Maryland	95.0
70038	ulirgs	David Sanders *Imaging of the Extended Tidal Debris Fields - GOALS (U)LIRGs*	Hawaii	82.0
70021	brown dwarfs	Kevin Luhman *Survey for Wide Substellar Companions in the Solar Neighborhood*	Penn State	6.8
70092	debris disks	Jeremy Drake *Close binaries with infrared excess: destroyers of worlds?*	SAO	23.2

Snapshot Proposals							
Proposed			Proposed			Success Rate	
Hours	All Prop	Lrg Prop	Hours	All Prop	Lrg Prop	% Prop	% Hrs
1559.8	15	11	481.4	6	4	40.0%	30.9%

Large GO Proposals

Large General Observer Proposals						
Science Category	Proposed		Selected		Success Rate	
	Hours	#	Hours	#	% Prop	% Hrs
GALACTIC						
brown dwarfs	645.4	3	212.4	1	33.3%	32.9%
debris disks	231.4	3	109.0	1	33.3%	47.1%
exoplanets	976.9	6	557.5	2	33.3%	57.1%
star clusters	64.2	1			0.0%	0.0%
star form	141.6	2	78.0	1	50.0%	55.1%
YSOs	61.1	1			0.0%	0.0%
Subtotal	**2120.6**	**16**	**956.9**	**5**	**31.3%**	**45.1%**
SOLAR SYSTEM						
KBOs	**110.2**	**1**	**110.2**	**1**	**100.0%**	**100.0%**
EXTRAGALACTIC						
agn	421.2	3			0.0%	0.0%
clusters	339.0	3			0.0%	0.0%
cosmology	348.0	3	53.4	1	33.3%	15.3%
high-z gal	1990.0	13	330.7	2	15.4%	16.6%
local group	239.4	2	119.0	1	50.0%	49.7%
nearby gal	200.6	2			0.0%	0.0%
Subtotal	**3538.2**	**26**	**503.1**	**4**	**15.4%**	**14.2%**
TOTAL	**5769.0**	**43**	**1570.2**	**10**	**23.3%**	**27.2%**

All GO Proposals

All General Observer Proposals												
Science Category		Proposed					Selected				Success Rate	
	Hours	All Prop	Lrg Prop	% Prop	% Hrs	Hours	All Prop	Lrg Prop	% Prop	% Hrs	% Prop	% Hrs
GALACTIC												
brown dwarfs	754.1	10	3	7.2%	9.5%	242.0	3	1	6.4%	10.5%	30.0%	32.1%
compact objects	92.5	5		3.6%	1.2%	5.0	2		4.3%	0.2%	40.0%	5.4%
debris disks	364.8	15	3	10.8%	4.6%	135.3	7	1	14.9%	5.9%	46.7%	37.1%
evolved stars	131.4	9		6.5%	1.7%	54.0	4		8.5%	2.3%	44.4%	41.1%
exoplanets	1322.0	17	6	12.2%	16.7%	711.9	7	2	14.9%	30.9%	41.2%	53.9%
gal struct+ISM	57.5	2		1.4%		46.4	1		0.0%	2.0%	50.0%	80.7%
star clusters	64.2	1	1	0.7%	0.8%	0.0	0		0.0%	0.0%	0.0%	0.0%
star form	221.1	5	2	3.6%	2.8%	113.5	2	1	4.3%	4.9%	40.0%	51.3%
YSOs	312.1	8	1	5.8%	3.9%	78.1	2		2.1%	2.0%	12.5%	15.1%
Subtotal	**3319.7**	**72**	**16**	**51.8%**	**41.2%**	**1386.2**	**28**	**5**	**55.3%**	**58.8%**	**38.9%**	**41.8%**
SOLAR SYSTEM												
KBOs	130.2	2	1	1.4%	1.6%	110.2	1	1	2.1%	4.8%	50.0%	84.6%
NEOs	72.6	3		2.2%	0.9%	44.6	2		4.3%	1.9%	66.7%	61.4%
Subtotal	**202.8**	**5**	**1**	**3.6%**	**2.6%**	**154.8**	**3**	**1**	**6.4%**	**6.7%**	**60.0%**	**76.3%**
EXTRAGALACTIC												
agn	500.9	6	3	4.3%	6.3%	27.7	1		2.1%	1.2%	16.7%	5.5%
clusters	441.6	8	3	5.8%	5.6%	42.7	2		4.3%	1.9%	25.0%	9.7%
cosmology	348.0	3	3	2.2%	4.4%	53.4	1	1	2.1%	2.3%	33.3%	15.3%
GRBs	23.7	1		0.7%	0.3%	23.7	1		2.1%	1.0%	100.0%	100.0%
high-z gal	2332.7	27	13	19.4%	29.5%	459.9	7	2	14.9%	19.9%	25.9%	19.7%
local group	275.4	3	2	2.2%	3.5%	119.0	1	1	2.1%	5.2%	33.3%	43.2%
nearby gal	302.6	8	2	5.8%	3.8%	14.3	2		4.3%	0.6%	25.0%	4.7%
SB/ULIRG/interact	167.4	6		4.3%	2.1%	24.5	1		2.1%	1.1%	16.7%	14.6%
Subtotal	**4392.3**	**62**	**26**	**44.6%**	**55.5%**	**765.2**	**16**	**4**	**34.0%**	**33.2%**	**25.8%**	**17.4%**
TOTAL	**7914.8**	**139**	**43**			**2306.2**	**47**	**10**			**33.8%**	**29.1%**