



Spitzer Space Telescope Cycle-6 Regular General Observer Selection Statistics



Overview



- **Cycle-6 Regular GO programs**
 - *10,000 hrs of Exploration Science programs already selected*
 - *Expected cryogen depletion date is May 2009*
 - *Cycle-6 is estimated to start in June 2009*
 - *Maximum proposal size is 150 hours*
 - *Estimate \$1.8 million/year in data analysis funding for regular GO programs*
- **Proposal Call Issued** **July 7, 2008**
 - *Updates issued July 17 and December 17, 2008*
- **Proposal Submission Deadline** **February 6, 2009**
- **Review Meetings** **March 20 - April 6, 2009**



Proposals



- **129 proposals received -- 5,209 hours requested**
 - *97 small (< 50 hours) 32 large (> 50 hours)*
 - *Median small = 22.4 hours Median large = 82.9 hours*
 - *oversubscription ~ 3.5*

- **53 proposals selected -- 1552.9 hours awarded**
 - *44 small (< 50 hours) 792.9 hours median = 17.7 hrs*
 - *9 large (> 50 hours) 760 hours median = 84.3 hrs*
 - *30% of proposed hours were selected*



9 Large Programs



PID	Science Category	PI Title	Institution	Hours
60094	nearby galaxies	Liese van Zee	Indiana	69.6
		<i>Faint Stellar Distributions in Extended HI Disks</i>		
60095	high-z clusters	Roy Gal	Hawaii	59.8
		<i>IRAC-ORELSE Survey: Galaxy Masses in Large Scale Structures at z=1</i>		
60173	low-z clusters	Eric Murphy	IPAC	100
		<i>Fossil Hunting: Intracluster Stars in Virgo</i>		
60176	high-z galaxies	James Rhoads	ASU	91.1
		<i>The Spitzer Lyman Alpha Survey</i>		
60194	high-z galaxies	Joaquin Vieira	Chicago	55.4
		<i>High-Redshift Sub-Millimeter Galaxies</i>		
60058	exoplanets	Pavel Machalek	JHU	131.3
		<i>Dynamic Atmosphere of the eccentric and massive planet XO-3b</i>		
60102	exoplanets	Jonathan Langton	UCO/Lick	84.3
		<i>Observing the Periastron Passages of HD80606b</i>		
60185	exoplanets	Pierre Maxted	Keele	60.0
		<i>Lightcurves of 2 newly discovered ultra-short period planets</i>		
60155	KBOs	Joshua Emery	Tennessee	108.5
		<i>IRAC Reflectances of Cold Classical KBOs and Centaurs</i>		



Selected Program Statistics



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	323.5	8	1	6.2	6.2	87.0	4		7.5	5.6	50.0	26.9
compact obj.	140.5	9		7.0	2.7	90.5	7		13.2	5.8	77.8	64.4
debris disks	264.0	6	2	4.7	5.1						0.0	0.0
evolved stars	330.9	9	3	7.0	6.4	32.8	3		5.7	2.1	33.3	9.9
exoplanets	652.2	11	4	8.5	12.5	341.2	5	3	9.4	22.0	45.5	52.3
ISM	63.0	3		2.3	1.2	26.6	1		1.9	1.7	33.3	42.2
star clusters	67.8	2		1.6	1.3						0.0	0.0
star form	716.4	17	5	13.2	13.8	11.7	3		5.7	0.8	17.6	1.6
xgal stars	18.0	1		0.8	0.3	18.0	1		1.9	1.2	100.0	100.0
YSOs	265.5	7	1	5.4	5.1	94.8	3		5.7	6.1	42.9	35.7
Subtotal	2841.8	73	16	56.6	54.6	702.6	27	3	50.9	45.2	37.0	24.7
SOLAR SYSTEM												
comets	46.2	1		0.8	0.9	46.2	1		1.9	3.0	100.0	100.0
KBOs	122.6	2	1	1.6	2.4	122.6	2	1	3.8	7.9	100.0	100.0
NEOs	61.4	1	1	0.8	1.2						0.0	0.0
planets	48.8	2		1.6	0.9	11.3	1		1.9	0.7	50.0	23.2
Subtotal	279.0	6	2	4.7	5.4	180.1	4	1	7.5	11.6	66.7	64.6
EXTRAGALACTIC												
AGN	250.1	10	1	7.8	4.8	91.6	4		7.5	5.9	40.0	36.6
clusters	355.6	6	2	4.7	6.8	225.3	4	2	7.5	14.5	66.7	63.4
cosmology	196.1	2	2	1.6	3.8						0.0	0.0
GRBs	2.6	1		0.8	0.0						0.0	0.0
high-z gal.	814.1	19	6	14.7	15.6	218.3	8	2	15.1	14.1	42.1	26.8
local group	128.5	1	1	0.8	2.5						0.0	0.0
nearby gal.	292.2	9	1	7.0	5.6	134.6	5	1	9.4	8.7	55.6	46.1
ULIRGS	49.1	2		1.6	0.9	0.4	1		1.9	0.0	50.0	0.8
Subtotal	2088.3	50	13	38.8	40.1	670.2	22	5	41.5	43.2	44.0	32.1
TOTAL	5209.1	129	31			1552.9	53	9			41.1	29.8