



## Cycle-3 Proposal Submission Statistics



- **Overview**

- *Cycle-3 is 13 months long*
  - June 2006 through June 2007
- *Selecting 7500 hours*
  - GO = 6000 hrs      GTO = 1125 hrs      DDT = 375 hrs
  - Same hours available for GOs as allocated in Cycle-2
- *Data analysis funds ~ \$21 million*
  - (\$20 million awarded in Cycle-2)



## Cycle-3 Schedule



- **Proposal Call Issued**      **November 1, 2005**
- **S13 Software Released**      **November 17, 2005**
- **Proposal Submission Deadline**      **February 16, 2006**
- **GO3 Selection Review**      **April 24-28, 2006**
- **Notify successful proposers**      **mid-May, 2006**
- **Begin scheduling Cycle-3**      **June 2006**



## Proposals Received



- **787 proposals received**
  - 612 General Observer + 70 Archival + 32 Theoretical + 73 GTO
  - Cycle-2: 704 (630 + 56 + 18 + 0)    Cycle-1: 594 (576 + 18 + 0 + 0)
- **Observing Proposals**
  - 21,836.6 GO hours requested (6000 hr available)
  - 20% more hours requested versus Cycle-2 (18,301.3 hr)
  - GO Medium/Large and Legacy Proposals
    - 22 Legacy (5480 hr)    56 medium (5255 hr)    3 large (885.8)    Total = 11,621 hours
  - Small Proposals
    - 531 proposals (10,215 hr)
  - Oversubscription ~ 3.6
- **Archive/Theory Proposals**
  - \$5.7 million (archive) and \$2.5million (theory) requested    Total \$8.2 million
  - 40% more AR/TR dollars requested versus Cycle-2
  - ~\$1.8 million available    Oversubscription: 4.5

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## Joint Time Requested



	<u>Requested</u>	<u>Available</u>
• <b>HST</b>	<b>13 proposals, 263 orbits</b>	<b>90 orbits</b>
• <b>Chandra</b>	<b>14 proposals, 1,356 ksecs</b>	<b>400 ksec</b>
• <b>NRAO</b>	<b>2 proposals, VLA 30 hrs</b>	<b>200 hrs</b>
• <b>NOAO</b>	<b>11 proposals</b>	<b>5% of time</b>
– Gemini	77 hours	
– CTIO 4m	19 nights	
– KPNO 4m	19 nights	

**(Spitzer is offering 125 hours each via HST/Chandra TACs)**

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## Institutions/Countries



- **206 (203) institutions in 28 (25) nations**
- **Top 10+ institutions (non-GTO proposals)**

SSC	57	Arizona	23	Cornell, GSFC, Texas	15
JPL	33	JHU+APL	18	STSCI, UCLA	14
CfA+SAO	28	Caltech	16	Hawaii	13
- **18% (20%) are foreign-led proposals**
- **Distribution of foreign proposals**

33 UK	6 Australia, Japan, Spain
20 Germany	5 Belgium
14 Italy	4 Canada
12 France	3 Austria, China, Taiwan
10 Netherlands	2 Denmark, Finland, Israel, Sweden
	1 Brazil, Chile, Colombia, Greece, Ireland, Mexico Portugal, South Africa, Russia, Venezuela

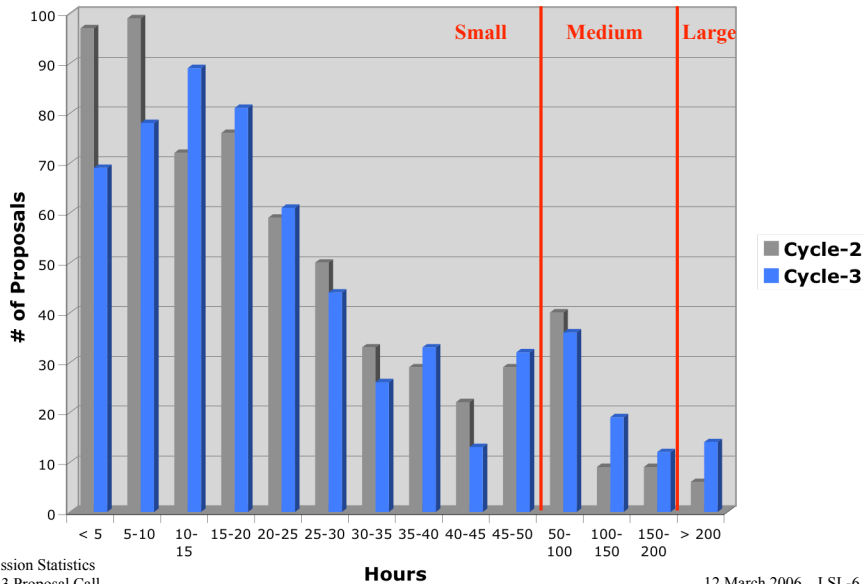
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(Cycle-2 numbers are in parentheses)

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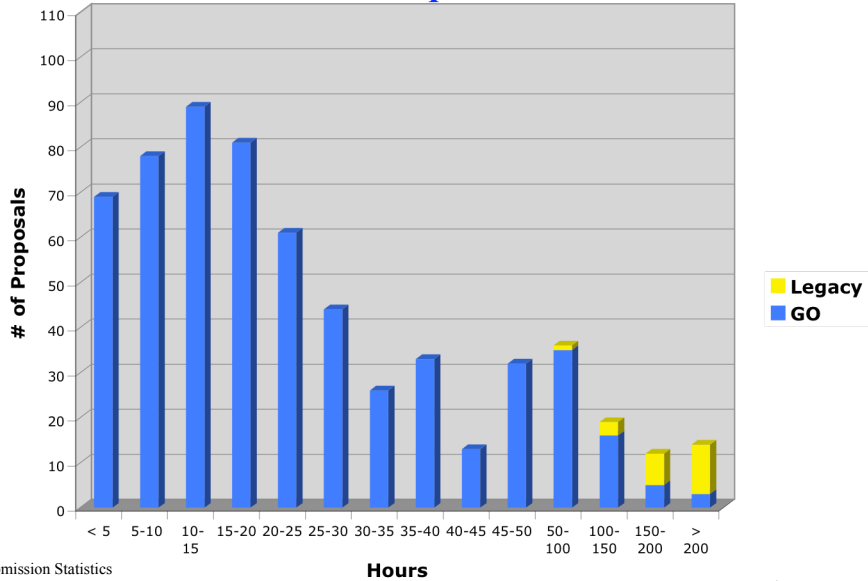


## Distribution of GO Time Requested





## Cycle-3 GO + Legacy Time Requested

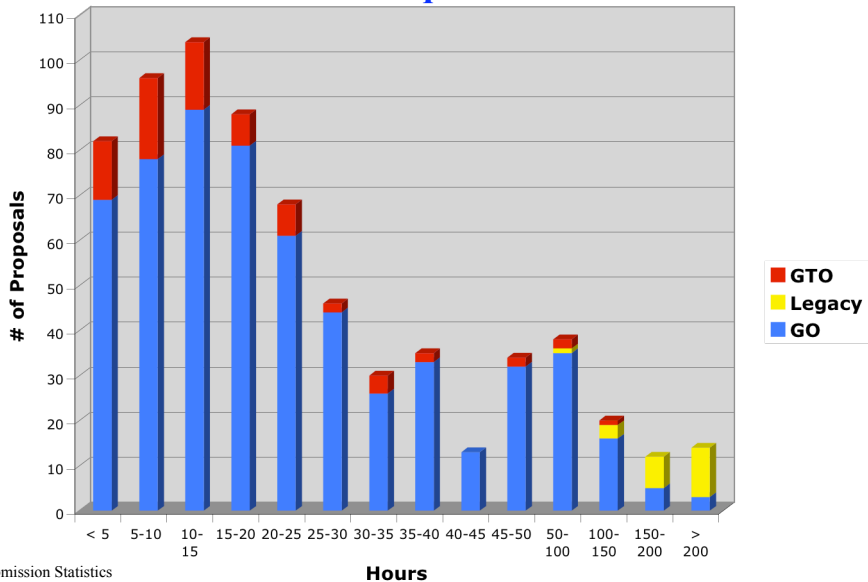


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## Cycle-3 All Time Requested



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## Cycle-3 Proposal Size Statistics



Proposal Size	Number	Median (hours)	Mean (hours)
All GO	612	19.4	35.7
Small (0.4-49.9 hrs)	531	17.2	19.2
Medium (51.1-175 hrs)	56	90.8	93.8
Large (246-333 hrs)	3	307.0	295.3
Legacy (97.4-554 hrs)	22	218.8	249.1
Archival (\$10-251k)	70	\$71,995	\$80,924
Theoretical (\$25-231k)	32	\$70,234	\$72,112

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## Science Categories Number of Proposals



- **Extragalactic (45.4%)** *47 medium, 12 large*

AGN/QSOs/RG	<b>81</b> (5)	CIB	2 (0)
ULIRG/LIRG/HLIRG	<b>18</b> (2)	GRBs	5 (0)
High-z ( $z > 0.5$ )	<b>81</b> (20) [7]	Cosmology	<b>10</b> (2) [1]
Intermediate-z	9 (2) [1]	Local Group	17 (3)
Nearby galaxies	79 (7) [2]	Starbursts	12 (1)
Interacting/Merging	18 (1)	Clusters/Groups	25 (2)
- **Galactic (49.9%)** *21 medium, 3 large*

Compact Objects	<b>18</b> (0)	HII Regions	9 (0)	ISM	55 (2)
Evolved stars	56 (2)	Clusters	3 (0)	YSOs	22 (2)
Star Formation	54 (4) [3]	Stellar Pop.	3 (0)	CCDs	96 (4)
Galactic structure	5 (1)	X-gal stars	9 (0)	Massive Stars	12 (1)
BD/low mass stars	32 (2)	X-solar Planets	19 (3)		
- **Solar System (4.7%)** *3 medium*

Asteroids	16 (0)	Planets/Satellites	3 (0)	Comets	7 (1)
Zodiacal dust	3 (1)	Kuiper belt objects	5 (0)	NEOs	3 (1)

Note: **Bold**=all proposals, parentheses=(medium), brackets=[large].

Includes all proposals (GO/Legacy, GTO, AR/TR)

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## Science Categories % of Time Requested



- Extragalactic (62.4%)**

AGN/QSOs/RG	7.9%	CIB	0.1%
ULIRG/LIRG/HLIRG	2.5%	GRBs	0.4%
High-z ( $z > 0.5$ )	26.1%	Cosmology	3.8%
Intermediate-z	2.3%	Local Group	2.3%
Nearby galaxies	11.9%	Starbursts	1.2%
Interacting/Merging	1.3%	Clusters/Groups	2.6%

- Galactic (33.9%)**

Compact Objects	0.8%	HII Regions	0.5%	ISM	5.5%
Evolved stars	3.9%	Clusters	0.1%	YSOs	1.8%
Star Formation	7.3%	Stellar Pop.	0.2%	CCDs	6.6%
Galactic structure	0.8%	X-gal stars	0.4%	Massive Stars	0.7%
BD/low mass stars	3.0%	X-solar Planets	2.3%		

- Solar System (3.8%)**

Asteroids	1.1%	Planets/Satellites	0.1%	Comets	0.9%
Zodiacal dust	0.4%	Kuiper belt objects	0.6%	NEOs	0.7%

*Note: Includes GO/Legacy and GTO proposals.*

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## Legacy Proposals



- 22 Legacy proposals submitted**

- 5480.1 hours requested
- 11 medium (50-200 hours), 11 large (> 200 hours)

- 18 Extragalactic , 4 Galactic**

Category	Proposals	Hours
AGN/QSOs/Radio Galaxies	1	97.4
ULIRG/LIRG/HLIRGs	1	160.0
High-z ( $z > 0.5$ )	8	2,774.0
Cosmology	1	131.2
Intermediate-z	2	375.4
Local Group	1	161.9
Nearby Galaxies	4	978.8
ISM	1	158.0
Star Formation	3	643.4

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