

# Cycle 20 Proposal Input

STUC

12 April 2012

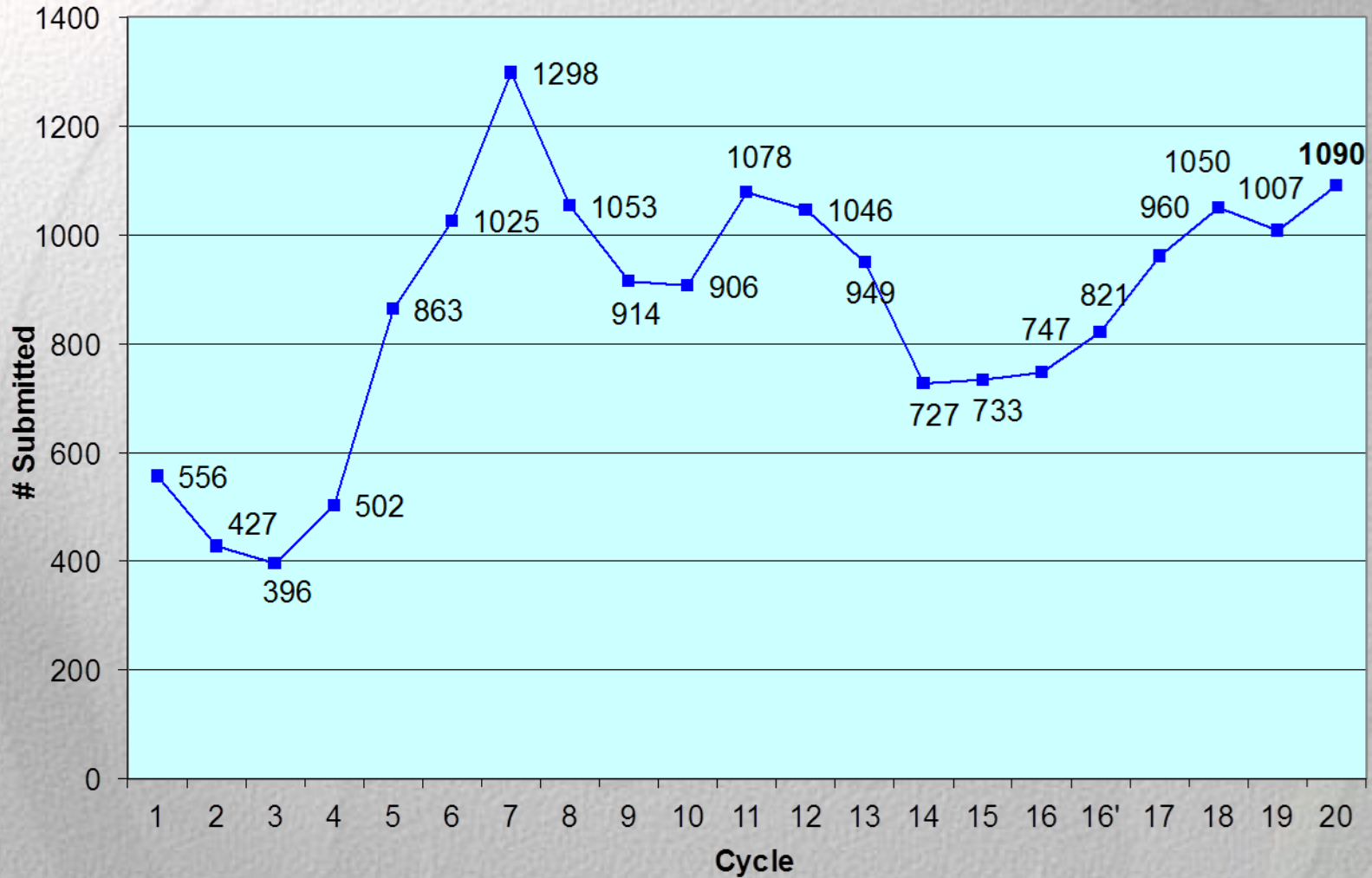
- Cycle 20 Proposal Statistics
- NASA & China
- Medium-sized Proposals



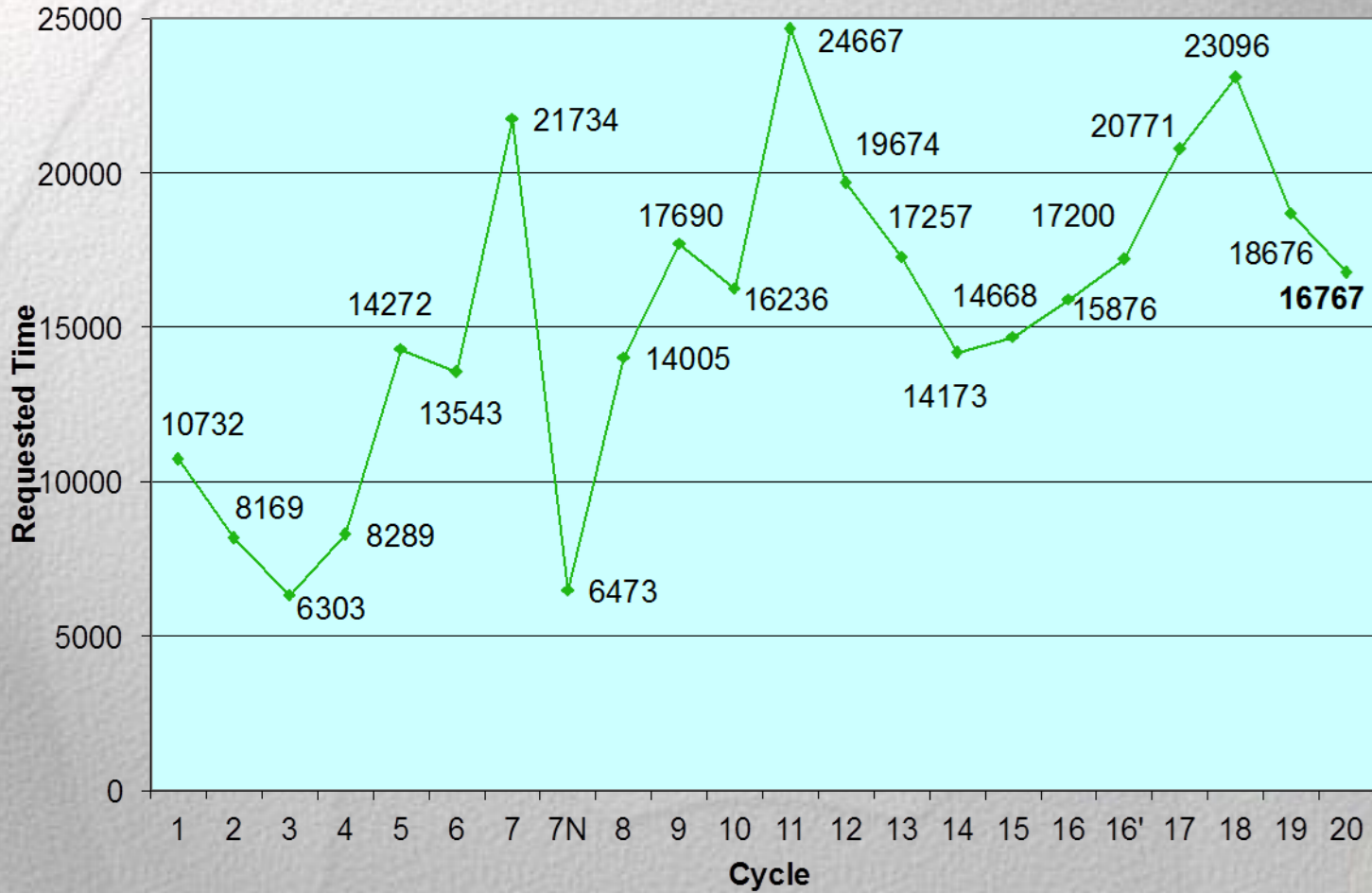
# Cycle 20 (*Cycle 19*) Proposal Statistics

<b>Total Proposals</b>	<b>1090 (1007)</b>	<b>Cycle 20</b>	<b>Cycle 21</b>	<b>Cycle 22</b>
<i>GO</i>	845 (798)	16,796 (18676)	699 (338)	429 (284)
<i>SNAP</i>	55 (65)	5,377 (6072)		
<i>Archival Research</i>	Small	Medium	Legacy	
<i>Regular</i>	48 (17)	72 (50)	5 (10)	
<i>Theory</i>	16 (39)	49 (27)	0 (0)	
<i>Total</i>	64 (57)	121 (77)	5 (10)	190 (144)
ESA	214 (200)			
ESA GO	193 (178)	3,367 (3950)	Orbits	
ESA SNAPs	14 (19)	1,310 (1708)	Targets	
ESA AR	7 (3)			
			ESA	Orbits
<i>GO Large</i>	34 (33)	4,239 (4361)	7 (4)	715 (462)
<i>GO Treasury</i>	12 (11)	1,924 (1582)	5 (4)	403 (534)
<i>Pure Parallel</i>	5 (4)	1,070 (925)	0 (0)	0 (0)

# HST Proposal Submissions

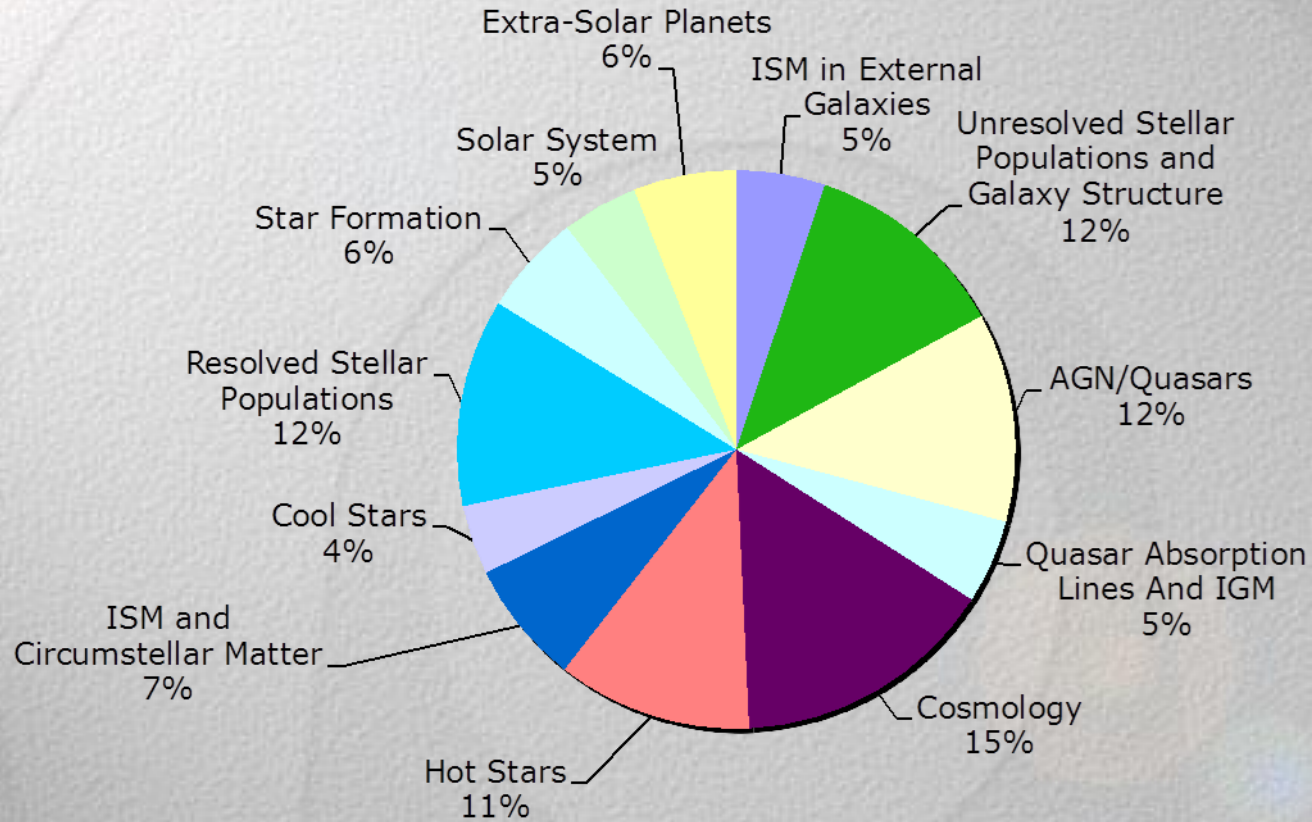


# HST Orbits Submitted

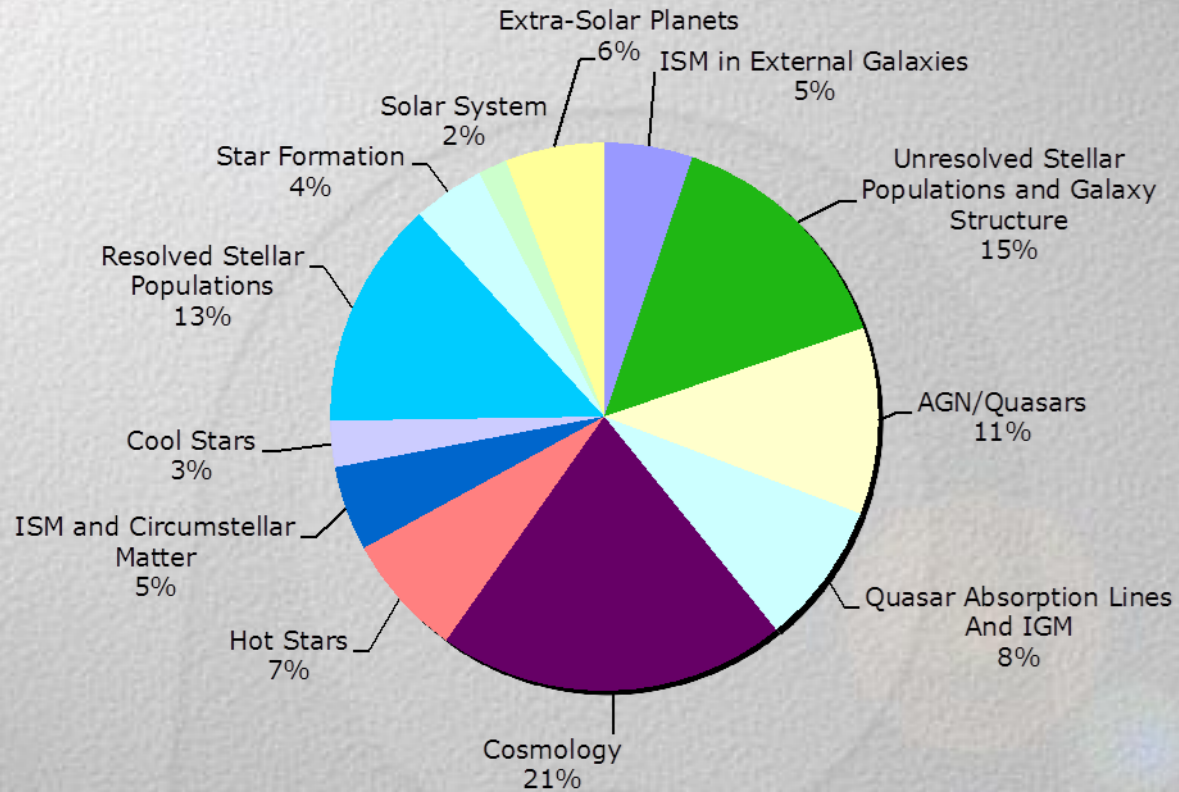




# Proposals by Science Categories



# Orbits by Science Categories





# Cycle 20 Instrument Usage

<b>Configuration</b>	<b>Mode</b>	<b>Prime %</b>	<b>Coordinated Parallel %</b>	<b>Total</b>	<b>Instrument Prime Usage</b>	<b>Instrument Prime + Coordinated Parallel Usage</b>	<b>Pure Parallel Usage</b>	<b>Snap Usage</b>
ACS/SBC	Imaging	0.9%	0.1%	0.7%			0.0%	0.0%
ACS/SBC	Spectroscopy	0.1%	0.0%	0.0%			0.0%	0.0%
ACS/WFC	Imaging	18.8%	50.2%	25.9%			23.6%	11.8%
ACS/WFC	Ramp Filter	1.7%	0.0%	1.3%	21.7%	28.7%	0.0%	0.0%
ACS/WFC	Spectroscopy	0.2%	2.5%	0.7%			0.0%	0.0%
COS/FUV	Spectroscopy	14.7%	0.0%	11.4%			0.0%	4.0%
COS/NUV	Imaging	0.2%	0.0%	0.1%	16.9%	13.1%	0.0%	0.0%
COS/NUV	Spectroscopy	2.1%	0.0%	1.6%			0.0%	0.0%
FGS	POS	1.4%	0.0%	1.1%	1.5%	1.1%	0.0%	0.0%
FGS	TRANS	0.1%	0.0%	0.1%			0.0%	2.7%
STIS/CCD	Imaging	1.2%	0.1%	0.9%			0.0%	1.9%
STIS/CCD	Spectroscopy	2.9%	0.2%	2.3%			0.0%	13.5%
STIS/FUV	Imaging	0.3%	0.0%	0.2%	10.3%	8.1%	0.0%	0.0%
STIS/FUV	Spectroscopy	3.1%	0.2%	2.5%			0.0%	0.0%
STIS/NUV	Imaging	0.2%	0.0%	0.1%			0.0%	0.0%
STIS/NUV	Spectroscopy	2.6%	0.0%	2.0%			0.0%	2.4%
WFC3/IR	Imaging	21.4%	21.9%	21.5%			35.6%	27.5%
WFC3/IR	Spectroscopy	4.8%	1.9%	4.2%	49.6%	49.0%	8.1%	0.7%
WFC3/UVIS	Imaging	23.3%	22.8%	23.2%			32.7%	32.8%
WFC3/UVIS	Spectroscopy	0.1%	0.0%	0.1%			0.0%	2.7%
		100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



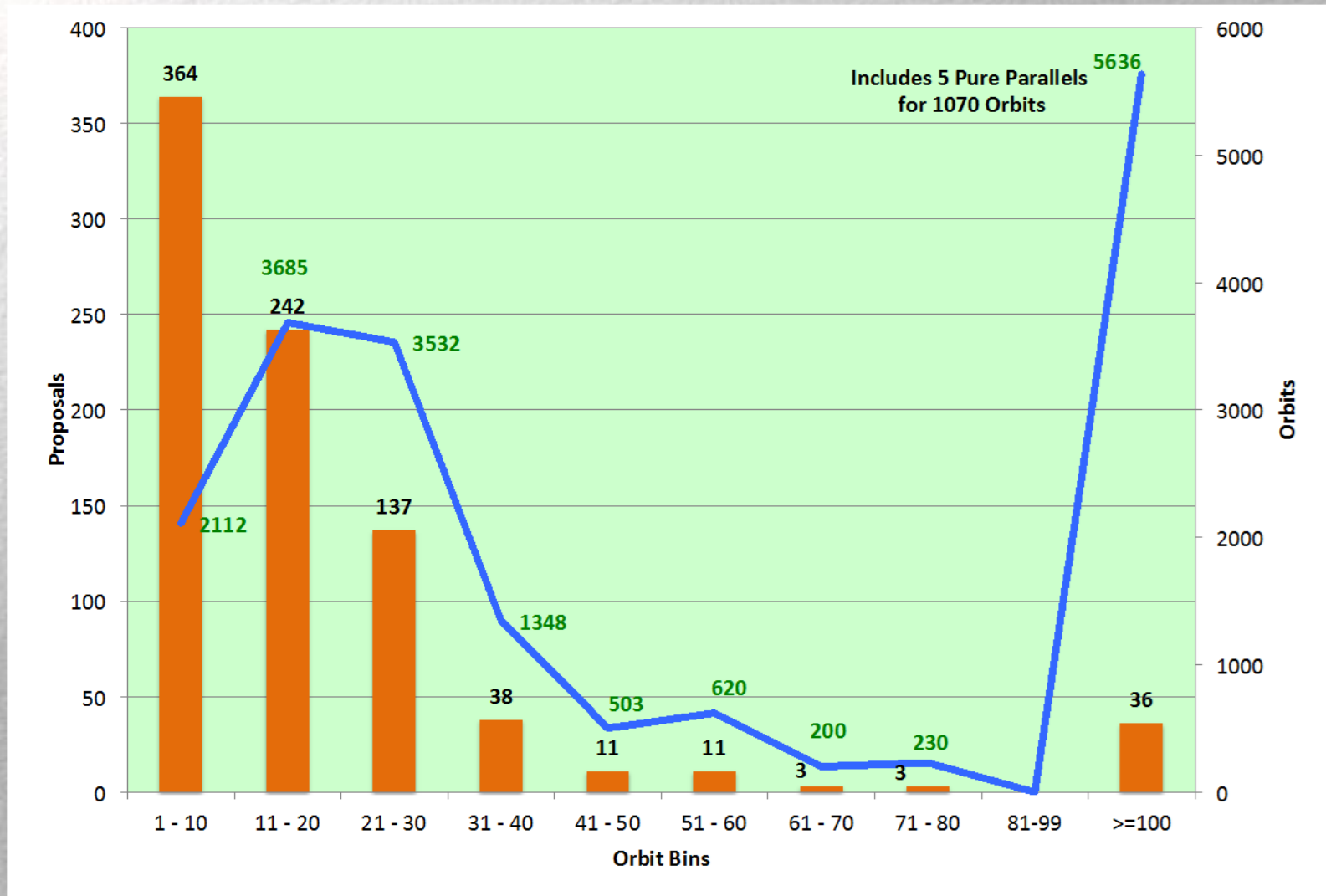
# NASA & China

- FY2012 Appropriations bill includes the restriction that none of the funds appropriated may be used to
  - *“develop, design, plan, promulgate, implement, or execute a bilateral policy, program, order, or contract of any kind to participate, collaborate, or coordinate, bilaterally in any way with China or any Chinese-owned company unless such activities are specifically authorized [by law.]” {Public law 112-10, Sect. 1340a}*
  - NASA policy given in Grant Information Circular 12-01  
[http://prod.nais.nasa.gov/pub/pub\\_library/grantnotices/gic12-01.html](http://prod.nais.nasa.gov/pub/pub_library/grantnotices/gic12-01.html)
  - Note that the restriction is based on the home institution of the collaborator, not nationality.
- Consultations with NASA HQ on the implications
  - Travel support to attend the IAU in Beijing is not affected, since this is regarded as a multi-lateral meeting; however, support for collaborative visits to Chinese institutions is not permissible, since those visits represent bilateral collaborations.
  - NASA HQ has provided guidance that we do not need to reject any HST proposals on the basis of participation of an investigator currently at a Chinese institution.
    - No need to raise this issue with the Cycle 20 TAC
  - It remains to be seen whether there are any restrictions on accepted proposals with Chinese-based PIs or co-Is.

## Medium-sized proposals

- Roughly **2800** orbits available for Cycle 20 GO's
- For comparison: 2600 orbits in Cycle 19
- Break-down:
  - **600** orbits for the TAC (Large and Treasury)
  - **1800** orbits for the 14 Panels (Regular GO with <100 orbits)
  - **400** orbits as subsidy for medium-sized proposals (40 – 99 orbits)

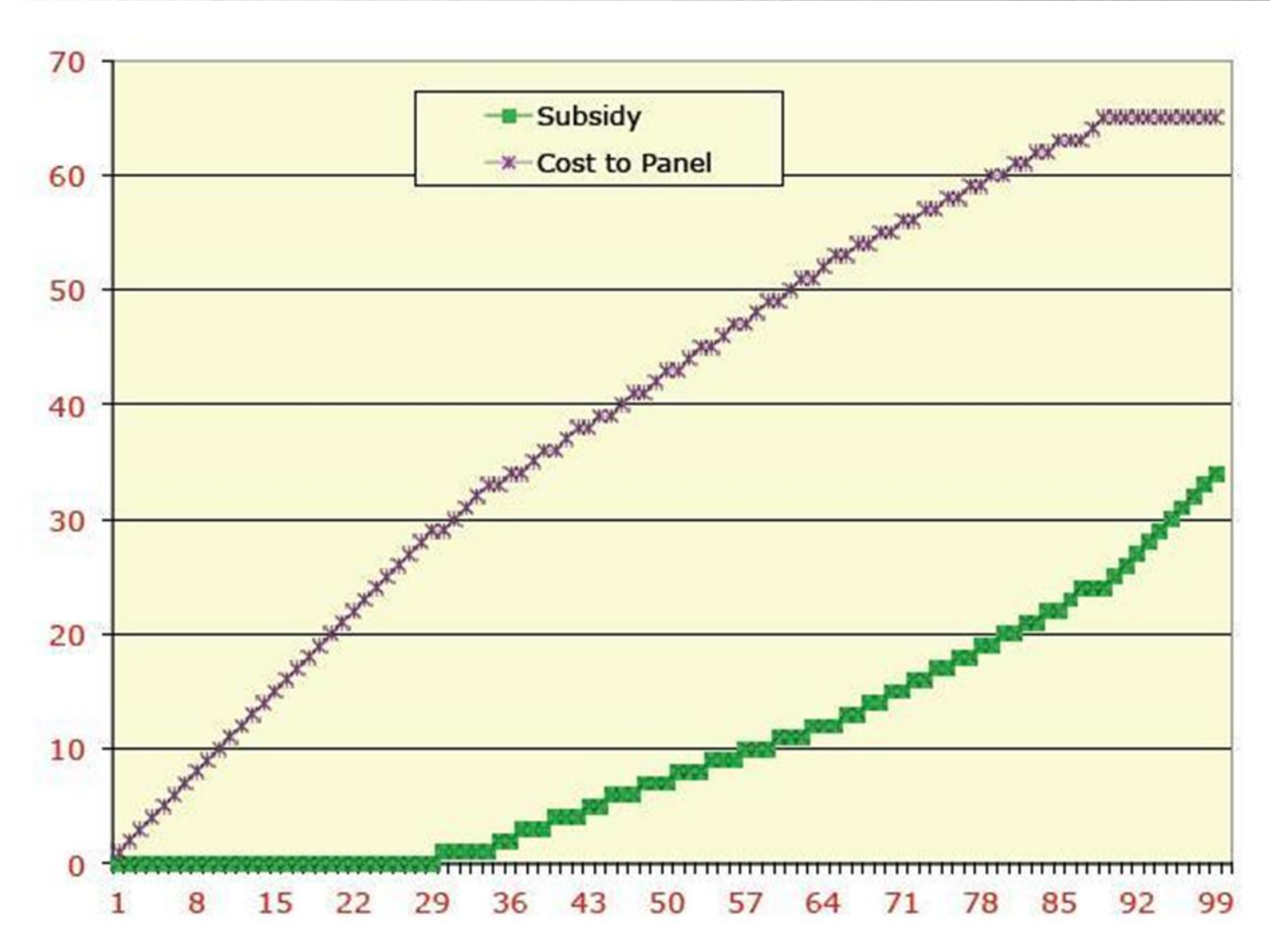
# Orbit Bins by Proposal submitted in Cycle 20





- Proposals in the 44 – 99 orbit range are underrepresented and have an even lower acceptance rate.
- In Cycle 20 we will again provide a subsidy to medium-sized proposals.
- Cycle 19: a sliding-scale subsidy was provided.
- This did not result in an acceptance fraction comparable to that of smaller proposals.

# Sliding-scale Subsidy in Cycle 19



- Alternatively: allocate guaranteed number of orbits to medium-sized proposals.
- Cycle 18: panels identified meritorious medium-sized proposals and allocated orbits from the subsidy pool.
- Advantage: if there are excellent medium-sized proposals, at least some will be recommended for approval
- Challenge: time-consuming process for panels.
- Cycle 20: more time available since the orientation will be on Sunday evening.



- Sliding-scale vs. guaranteed subsidy
- Leaning towards guaranteed subsidy
- **Asking for your input!**