Cycle 23 Preparations

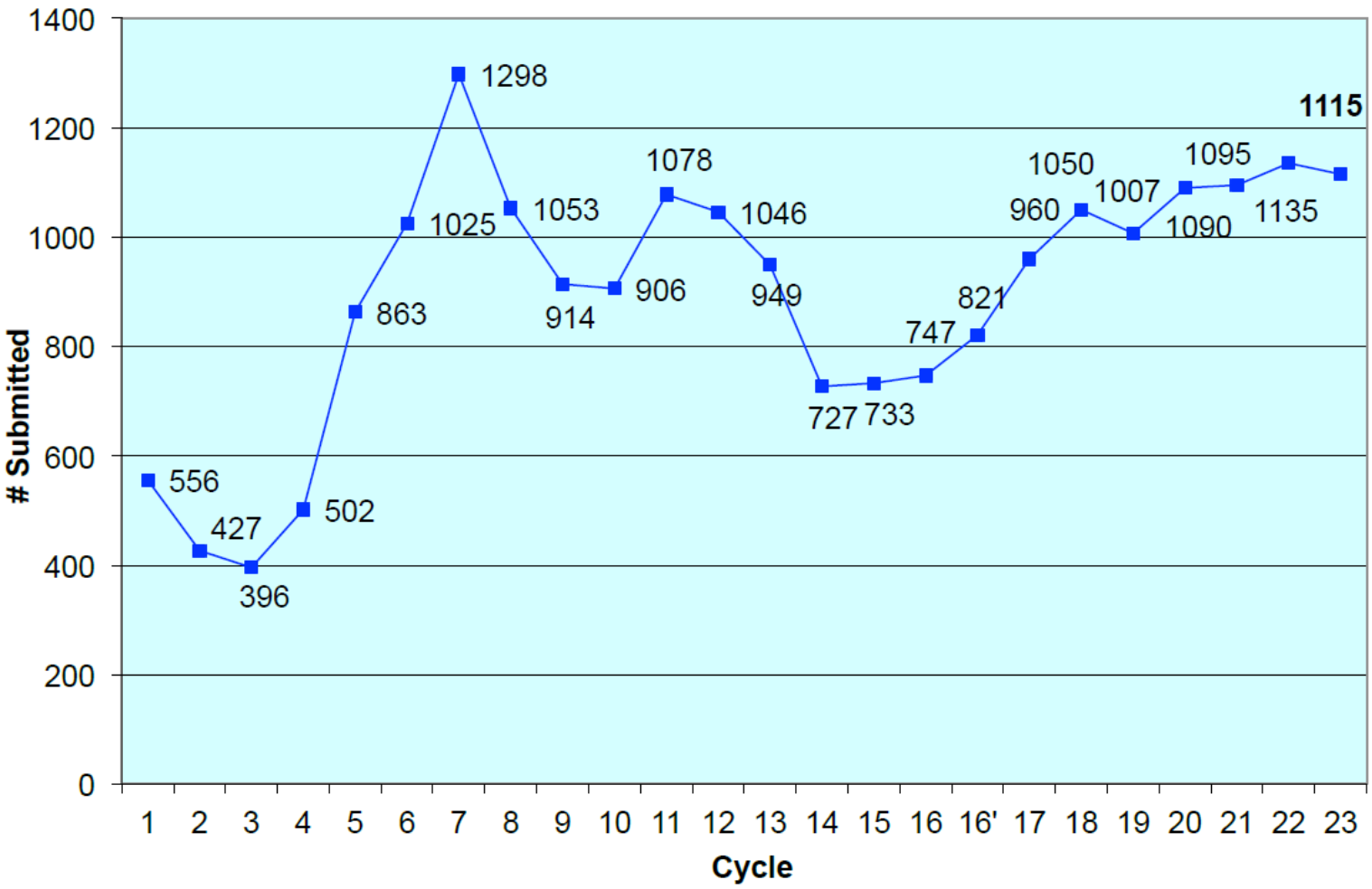
STUC

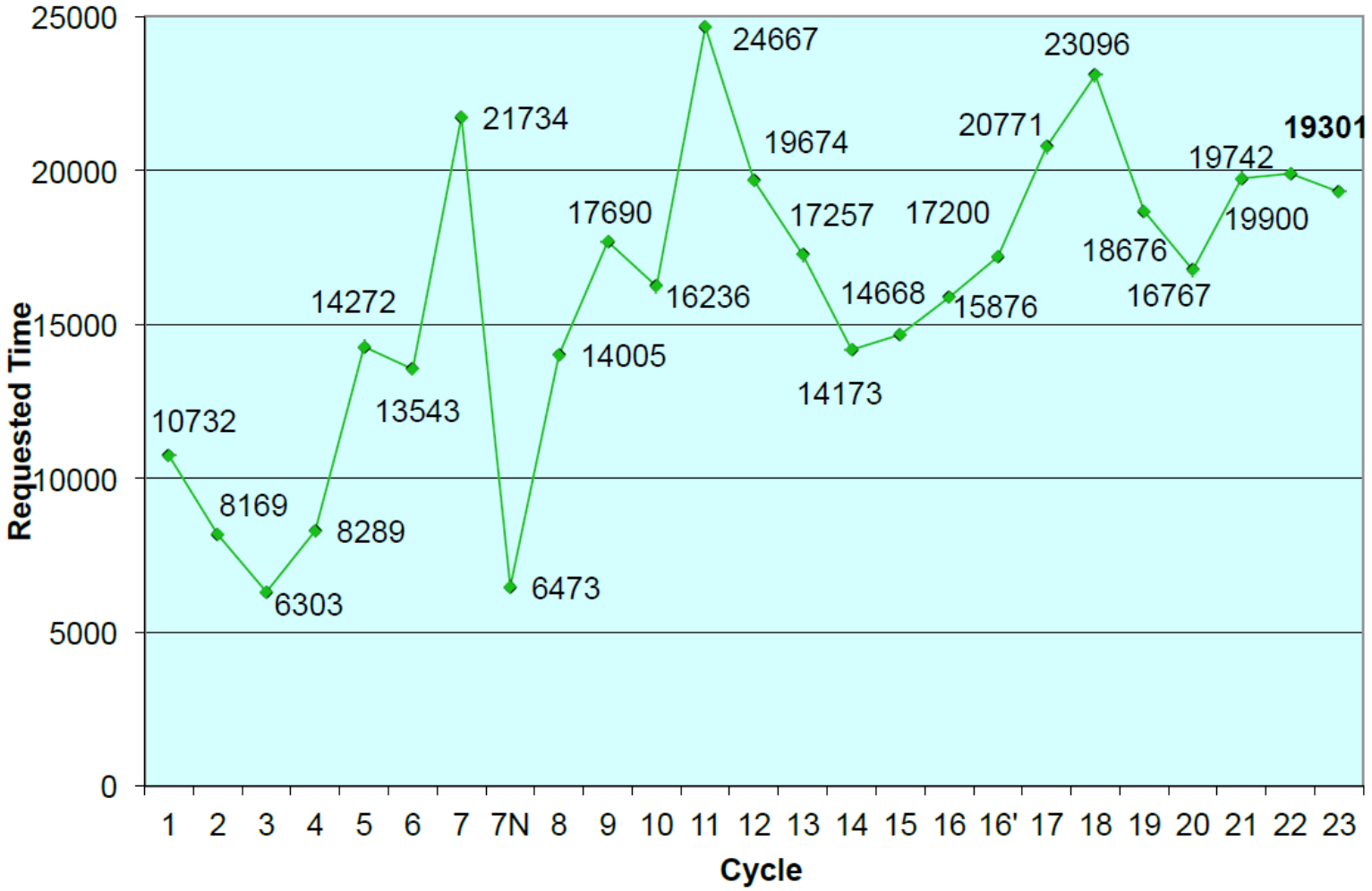
16 April 2015

Cycle 23 *(Cycle 22)* Proposal Statistics

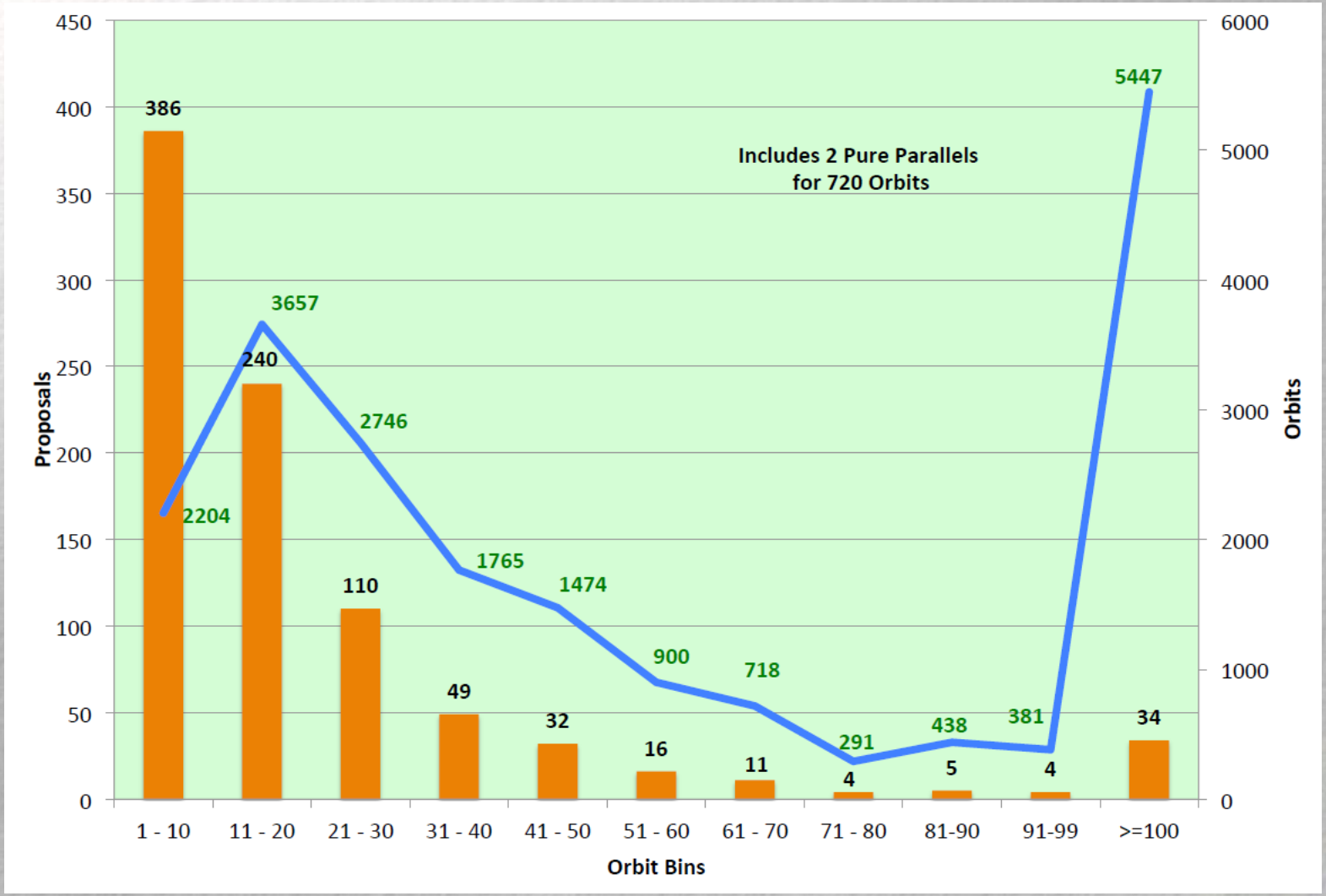
Total Proposals	**1115** *(1134)*	**Cycle 23**	**Cycle 24**	**Cycle 25**
GO	891 *(883)*	19,301 *(19763)*	458 *(331)*	204 *(83)*
SNAP	42 *(51)*	4,497 *(5438)*		
Archival Research	Regular	Legacy		
Regular	96 *(113)*	11 *(9)*		
Theory	75 *(77)*	0 *(1)*		
Total	171 *(190)*	11 *(10)*	182 *(200)*	
ESA	242 *(229)*			
ESA GO	228 *(211)*	5,196 *(4298)*	Orbits	
ESA SNAPs	14 *(16)*	1,235 *(1566)*	Targets	
ESA AR	0 *(2)*			
			ESA	Orbits
GO Large	30 *(31)*	3,138 *(3737)*	7 *(8)*	834 *(738)*
GO Medium	94 *(99)*	4,349 *(4661)*	23 *(27)*	1035 *(1314)*
GO Treasury	21 *(16)*	2,851 *(2550)*	8 *(2)*	1,226 *(323)*
Pure Parallel	2 *(4)*	720 *(1050)*	0 *(2)*	0 *(570)*

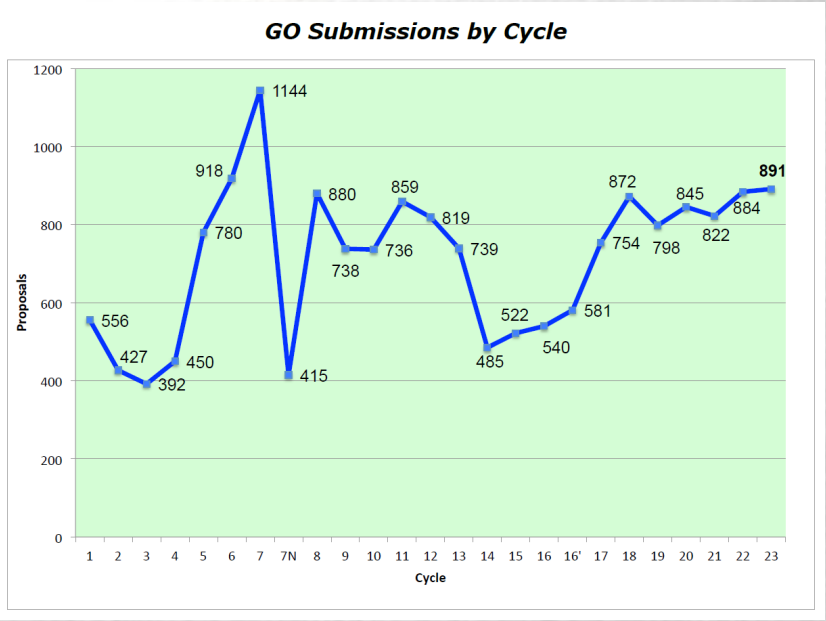
HST Proposal Submissions

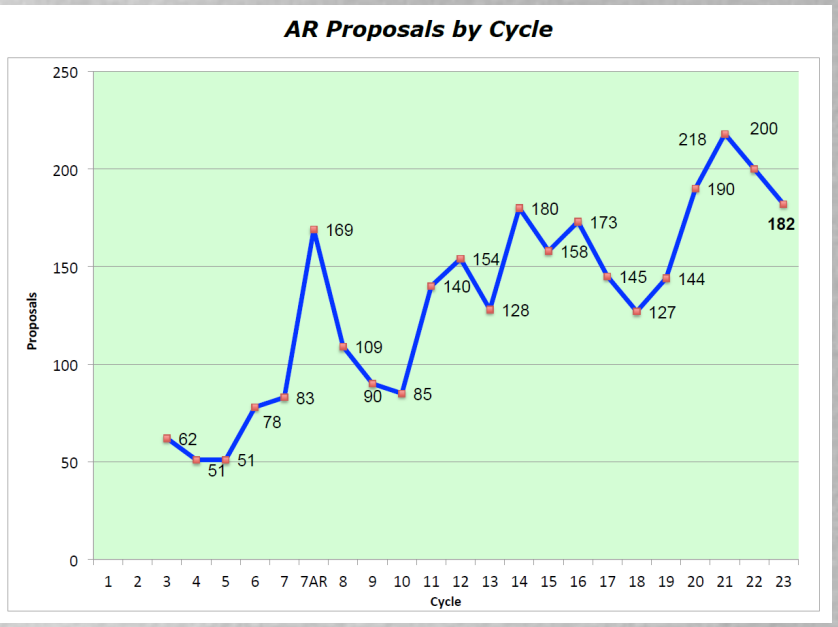


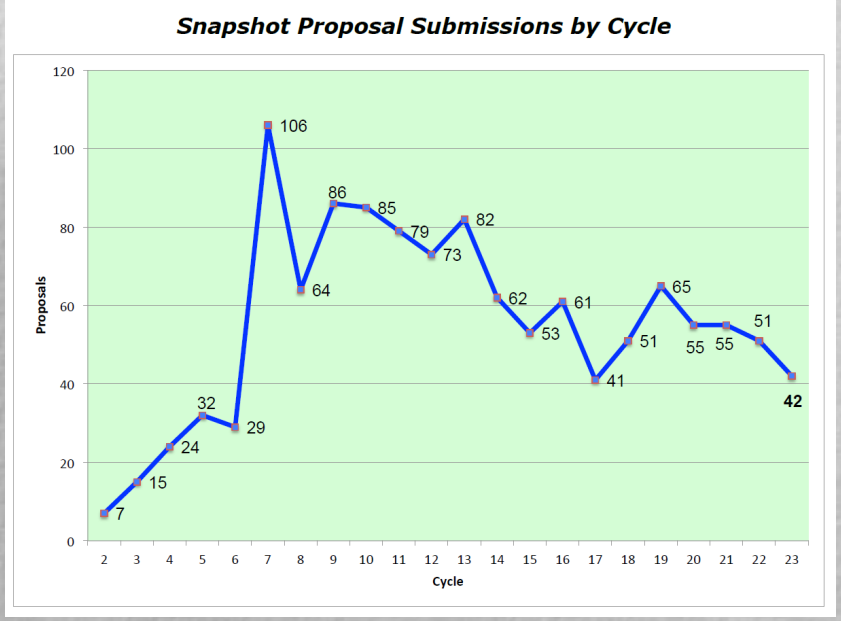

Requested Time
25000
20000
15000
10000
5000
0
1 2 3 4 5 6 7 7N 8 9 10 11 12 13 14 15 16 16' 17 18 19 20 21 22 23
Cycle
10732
8169
6303
8289
14272
13543
21734
6473
14005
17690
16236
24667
19674
17257
14173
14668
15876
17200
20771
23096
18676
16767
19742
19900
19301

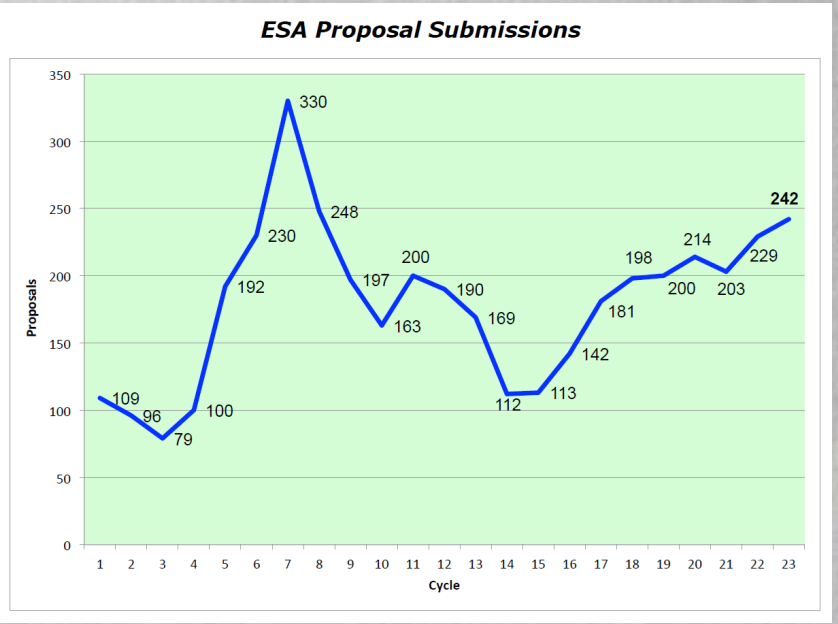
Orbit Bins


Includes 2 Pure Parallels
for 720 Orbits
Proposals
Orbits
Orbit Bins
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81-90
91-99
>=100
386
240
110
49
32
16
11
4
5
4
34
2204
3657
2746
1765
1474
900
718
291
438
381
5447
0
50
100
150
200
250
300
350
400
450
0
1000
2000
3000
4000
5000
6000

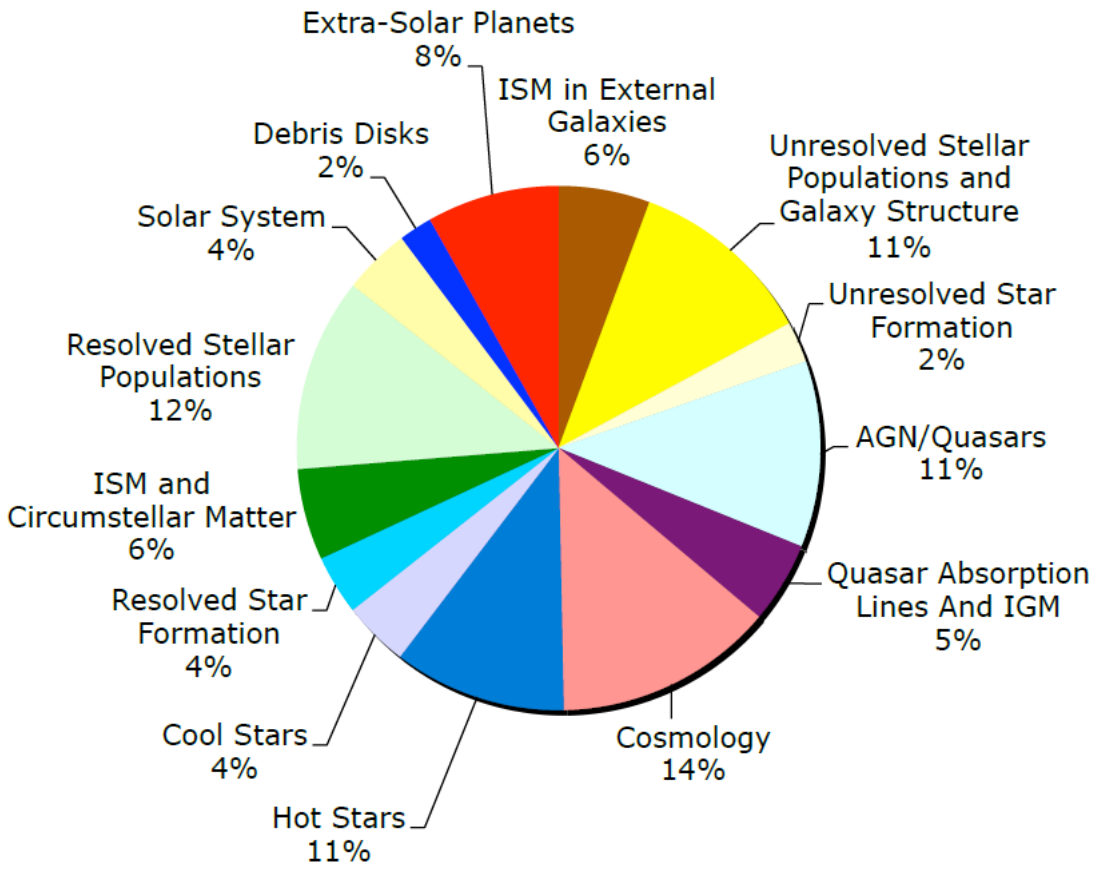

GO Submissions by Cycle
Proposals
Cycle
556
427
392
450
780
918
1144
415
880
738
736
859
819
739
485
522
540
581
754
872
798
845
822
884
891


AR Proposals by Cycle
Proposals
Cycle
62
51
51
78
83
169
109
90
85
140
154
128
180
158
173
145
127
144
190
218
200
182

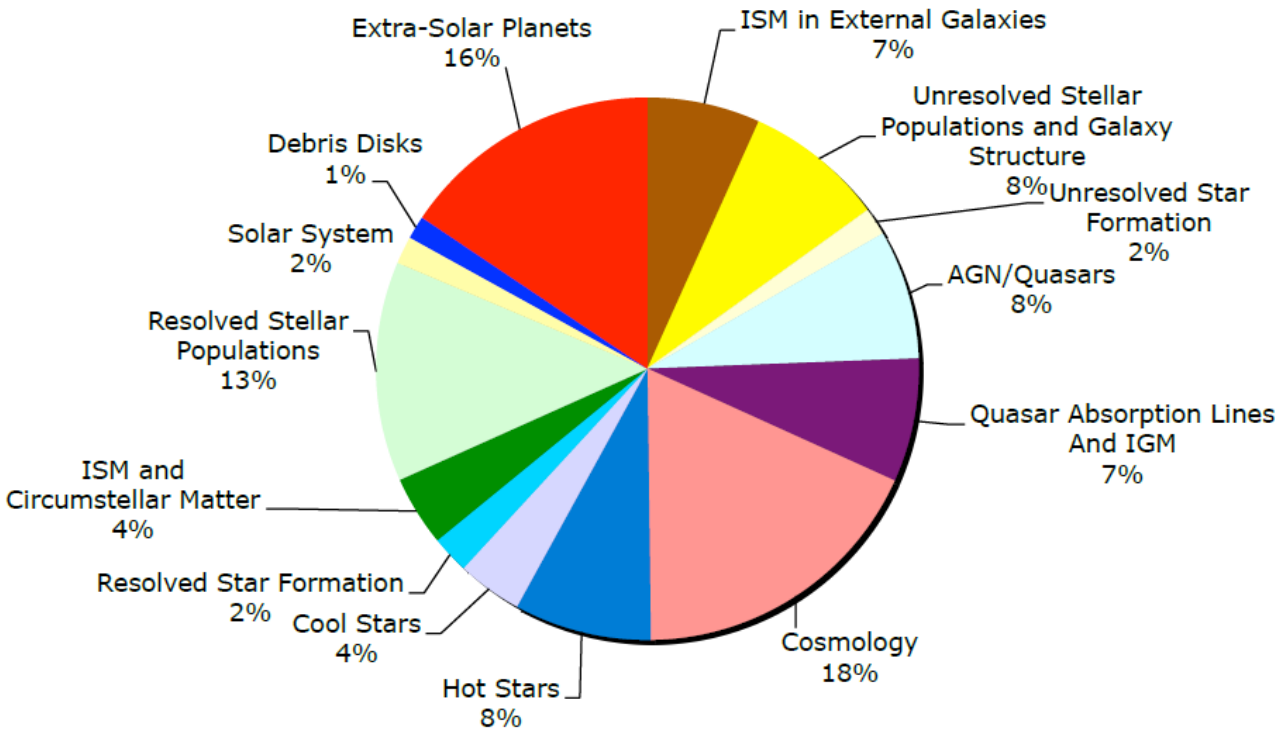

Snapshot Proposal Submissions by Cycle
Proposals
Cycle
7
15
24
32
29
106
64
86
85
79
73
82
62
53
61
41
51
65
55
55
51
42


ESA Proposal Submissions
Proposals
Cycle
109
96
79
100
192
230
330
248
197
163
200
190
169
112
113
142
181
198
200
214
203
229
242

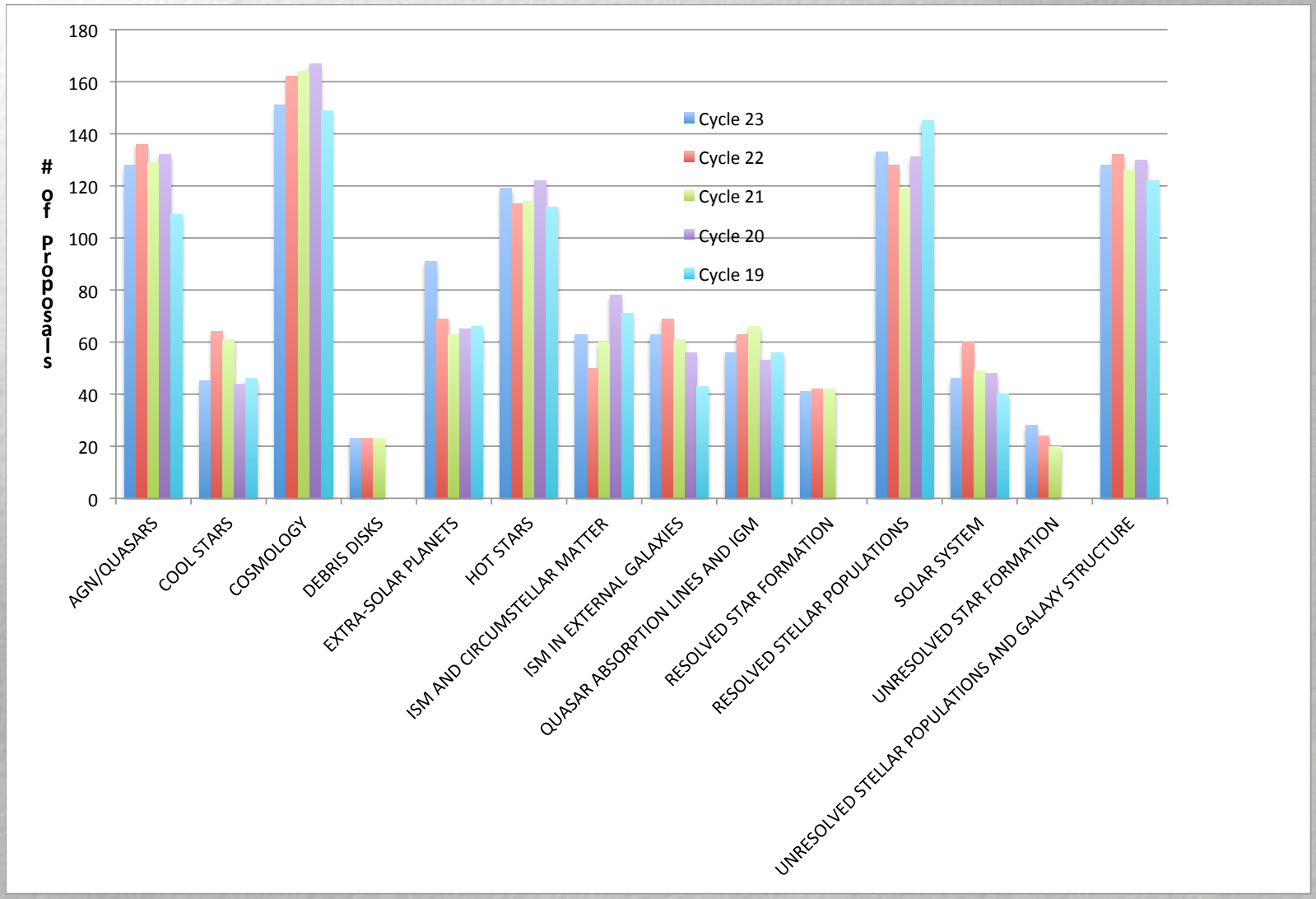
Proposals by Science Categories



Orbits by Science Categories



Science Categories by Proposals



Cycle 23 Instrument Requests

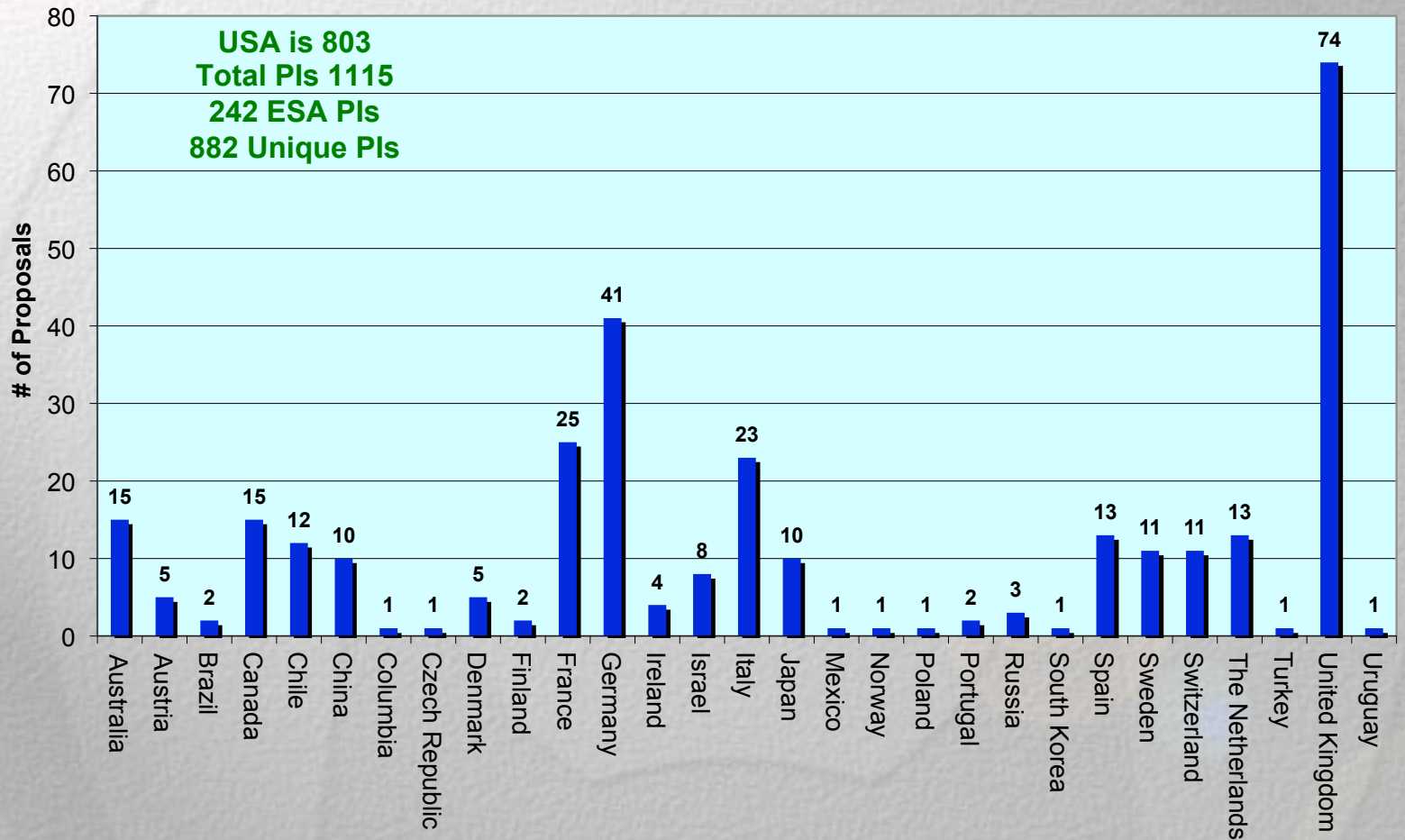
Configuration	Mode	Prime %	Coordinated Parallel %	Total	Instrument Prime Usage	Instrument Prime + Coordinated Parallel Usage	Pure Parallel Usage	Snap Usage
ACS/SBC	Imaging	1.2%	0.3%	1.0%			0.0%	0.0%
ACS/SBC	Spectroscopy	0.0%	0.0%	0.0%			0.0%	0.0%
ACS/WFC	Imaging	13.3%	43.9%	19.4%			0.0%	32.9%
ACS/WFC	Ramp Filter	0.4%	0.0%	0.4%	15.0%	20.7%	0.0%	0.0%
ACS/WFC	Spectroscopy	0.0%	0.0%	0.0%			0.0%	0.0%
COS/FUV	Spectroscopy	17.3%	0.0%	13.9%			0.0%	4.3%
COS/NUV	Imaging	0.1%	0.0%	0.0%	20.0%	16.0%	0.0%	0.7%
COS/NUV	Spectroscopy	2.6%	0.0%	2.1%			0.0%	0.8%
FGS	POS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FGS	TRANS	0.0%	0.0%	0.0%			0.0%	0.0%
STIS/CCD	Imaging	1.1%	0.0%	0.9%			0.0%	0.0%
STIS/CCD	Spectroscopy	3.5%	0.6%	2.9%			0.0%	18.8%
STIS/FUV	Imaging	0.4%	0.0%	0.3%	14.6%	12.4%	0.0%	0.0%
STIS/FUV	Spectroscopy	4.4%	1.1%	3.7%			0.0%	1.1%
STIS/NUV	Imaging	0.0%	0.0%	0.0%			0.0%	0.0%
STIS/NUV	Spectroscopy	5.1%	2.1%	4.5%			0.0%	0.0%
WFC3/IR	Imaging	16.6%	20.4%	17.4%			51.0%	18.7%
WFC3/IR	Spectroscopy	12.8%	5.5%	11.4%	50.5%	50.8%	17.0%	0.0%
WFC3/UVIS	Imaging	20.7%	25.7%	21.7%			32.0%	22.7%
WFC3/UVIS	Spectroscopy	0.3%	0.4%	0.3%			0.0%	0.0%
		100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Prime + Coordinated Parallels
61.1% Imaging
38.9% Spectroscopy

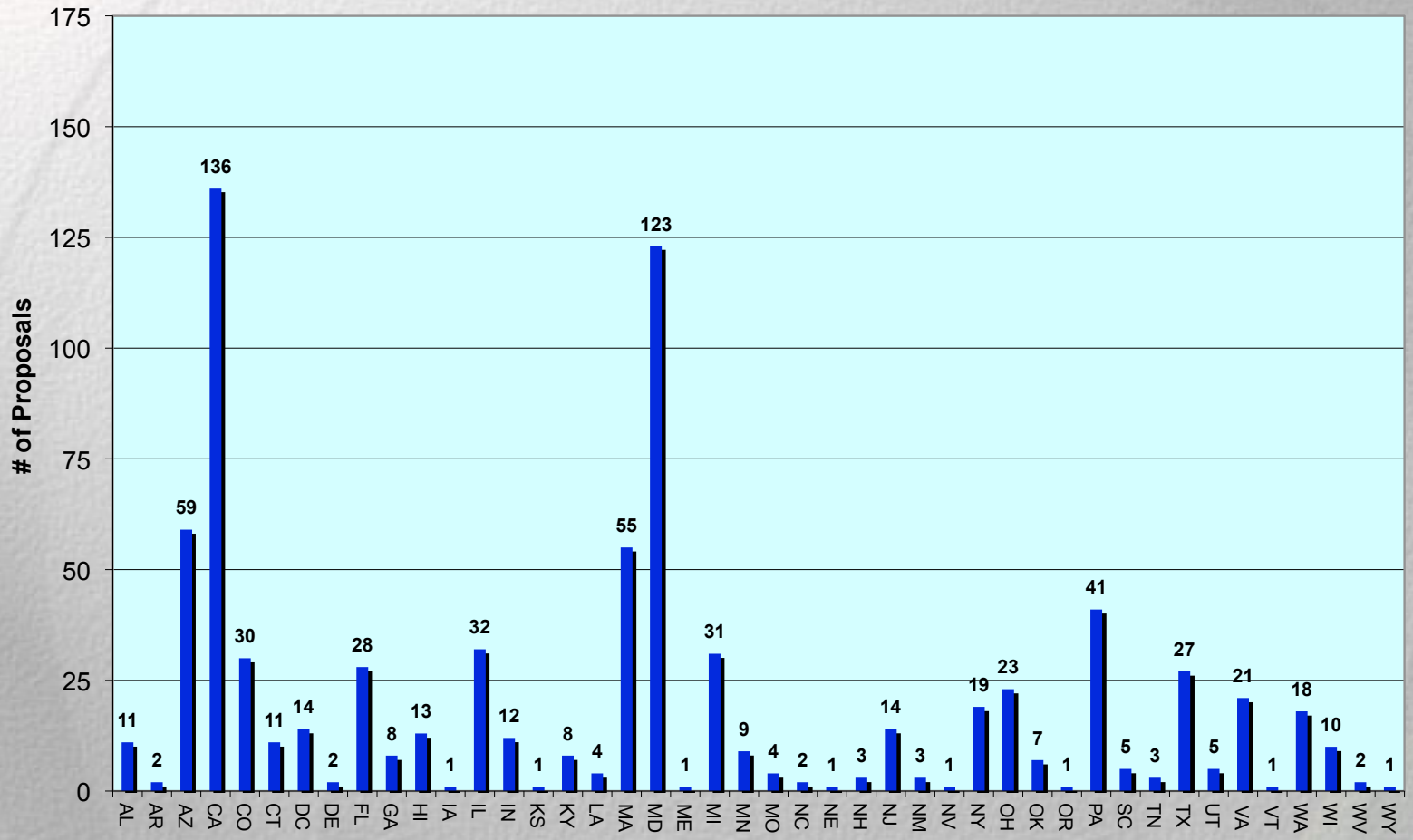
Cycle 22 Joint Observatory Requests

Joint Observatory	Proposals	Requested Time	HST Orbits
Chandra	9	679 Ksecs	214
NOAO	10	9.5 Nights	197
NRAO	3	53 Hours	80
Spitzer	13	76.2 Hours	183
XMM	8	354 Ksecs	90

Proposals by Country (w/out USA)



Proposals by US State



TAC Organization

- The proposal review will be on **June 7 – 12, 2015**.
- It is still challenging to attract senior panelists for a variety of reasons (workload, competing reviews, conferences, etc.)
- We also had seven panelists drop out recently (one still needs to be replaced)
- The TAC will meet until Friday late afternoon to allow for sufficient time to discuss the Large, Treasury and Legacy proposals

TAC Organization (cont.)

- TAC Chair: **Brad Peterson** (OSU)
- Panel structure same as in the last cycle:
  - 14 panels organized by science category
  - 2 mirror panels for Planets
  - 3 mirror panels for Stars
  - 2 mirror panels for Stellar Populations
  - 2 mirror panels for AGN/IGM
  - 3 mirror panels for Galaxies
  - 2 mirror panels for Cosmology
- Each panel has 9 panelists and a Chair. (One panel has 10 panelists.)

Available Orbits in Cycle 23

- Roughly **3400** orbits available for Cycle 23 GO's
- Same number as in Cycle 22
- Break-down:
  - **1000** orbits for the TAC (Large and Treasury)
  - **1800** orbits for the 14 Panels (Regular GO with <75 orbits)
  - **600** orbits for medium-sized proposals (35 – 74 orbits)

TAC Process: Medium Proposals

- The Medium category will again be supported. However, adjustments to the process are needed since the TAC does not have the time for a review of the Medium proposals.
- We will group the proposals by mirror panels and use the fraction of the whole to assign a Medium proposal allocation to each set of mirror panels. Fractional time will be rounded.
- The panels will grade the Medium proposals with the Small proposals.
- The Medium proposals above the cut-off line are identified for further discussion. There should be not more than three Medium proposals above the cut-off.
- The candidate Medium proposals will be circulated to the mirror panels on Tuesday evening.
- On Wednesday morning each mirror panel will discuss and rank the candidate Medium proposals. Conflicts will be treated as usual.
- The ranked lists from each set of mirror panels will be merged and a combined list will be created.
- The panels can adjust their own rankings if they want to support any medium proposals that did not make the cut.
- The TAC will get a report of the accepted medium proposals before it considers the Large & Treasury programs.

TAC Process: No Change

- **Panel Chairs do not grade nor vote** on proposals in their panels.
- Panel Chairs are not required to read any proposal in detail.
- Chairs will focus on managing the process. However, they can (if they wish) participate in the scientific discussion.
- Chairs will have more time to spend on TAC and Medium proposals.

TAC Process: No Change (cont.)

- Each proposal receives **preliminary grades from 6 panelists only** (instead of from all).
- This reduces the number of proposals a panelist needs to read in detail.
- Preliminary grades are due 10 days prior to the meeting. The triage list will be made available to the panel shortly thereafter so that the panelists can read any proposal they have not graded in more detail.
- During the actual panel meeting all panelists (except for the Chair) will vote.

TAC Process: No Change (cont.)

- TAC proposals will also be sent to **three additional reviewers** who are not TAC members.
- These reviewers are typically two external reviewers and one member of the panels who are experts in the field.
- The reviewers will comment on the strengths and weaknesses of the proposal and the timeliness of the science.
- The reviews will be provided to the TAC reviewers in support of their own assessment.

TAC Process: No Change (cont.)

- The **UV initiative** has again been offered.
- We received 357 GO proposals requesting 7705 orbits and 25 Archival proposals.