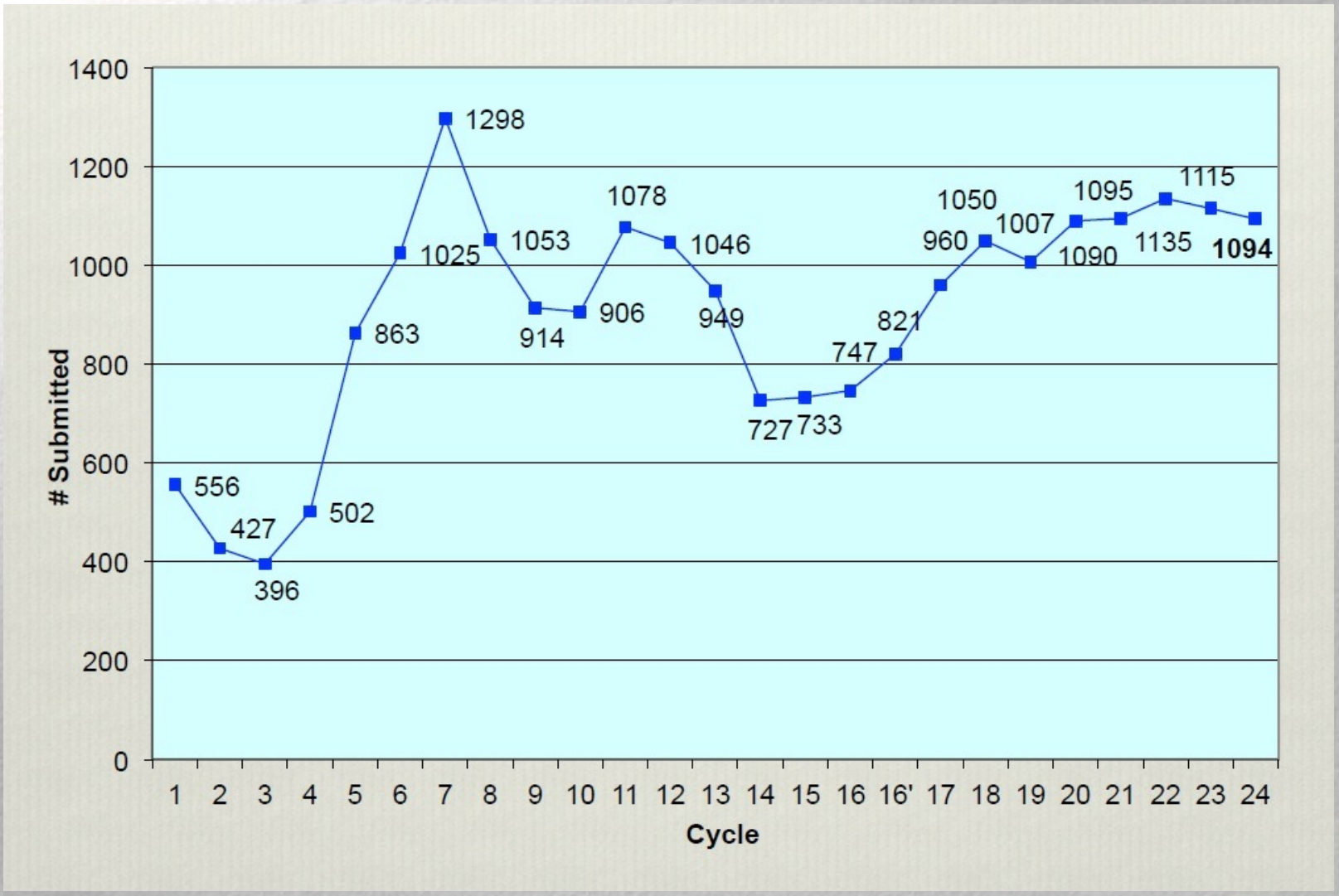
Cycle 24 Preparations

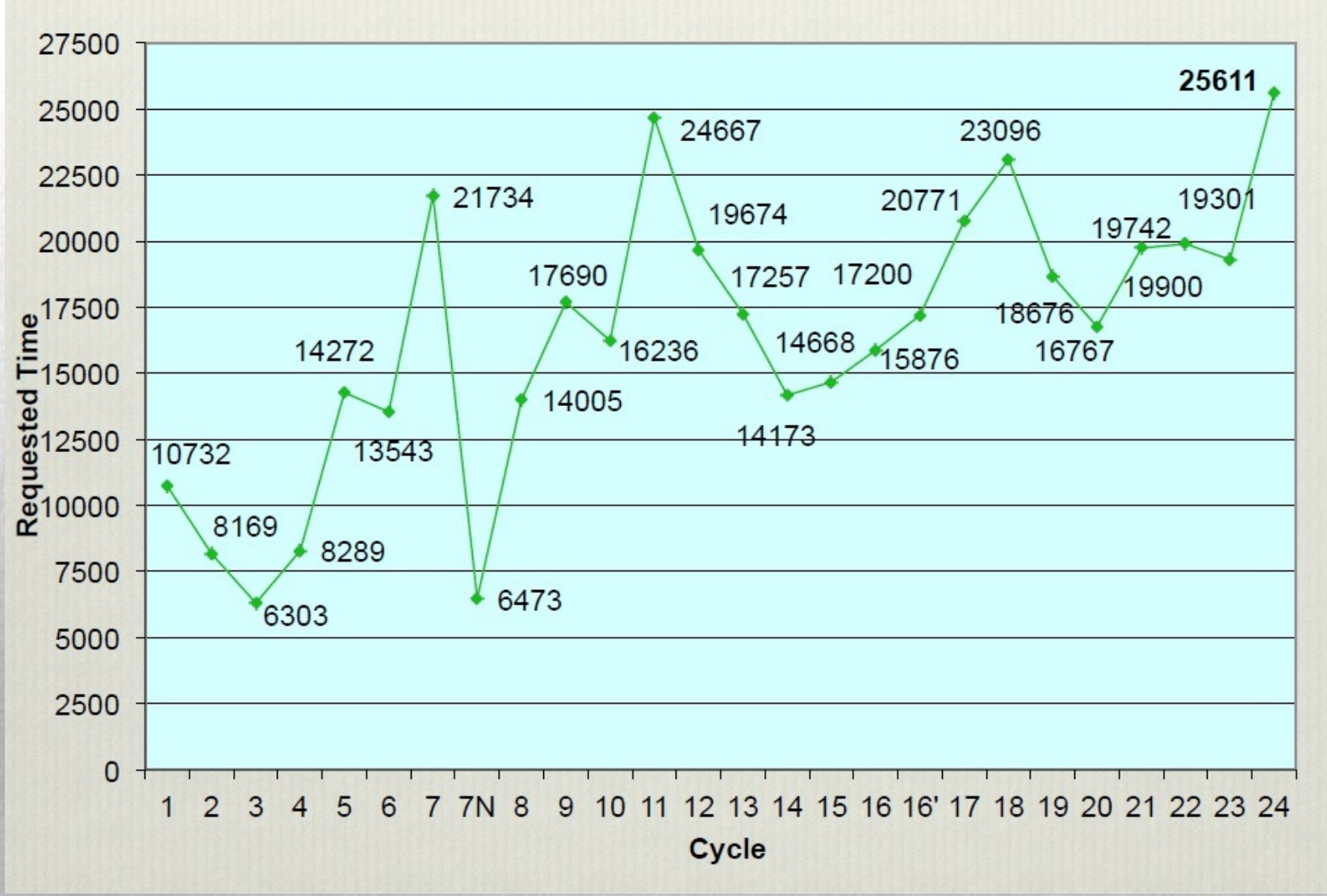
STUC

12 May 2016

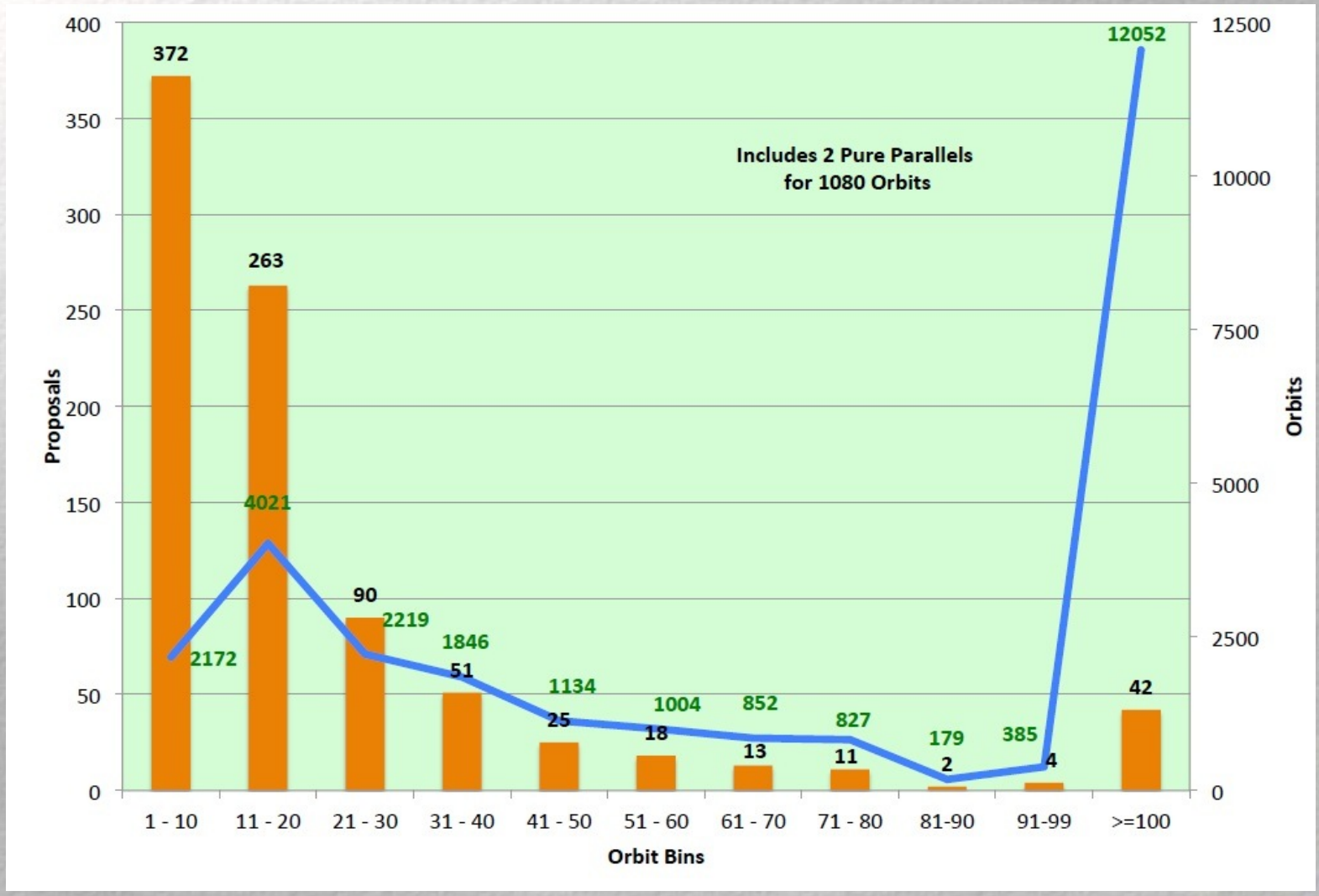
Cycle 24 *(Cycle 23)* Proposal Statistics

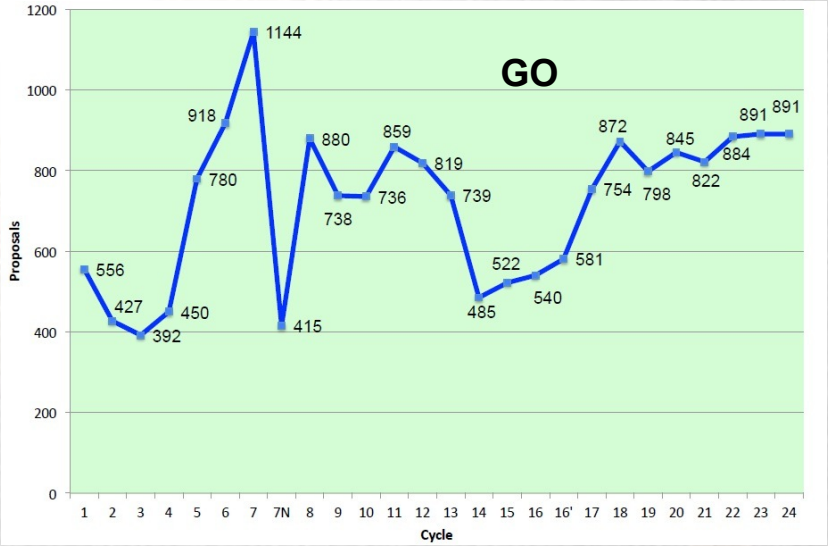
Total Proposals	**1094** *(1115)*	**Cycle 24**	**Cycle 25**	**Cycle 25**
GO	891 *(891)*	25,611 *(19,301)*	409 *(458)*	144 *(204)*
SNAP	36 *(42)*	3718 *(4497)*		
Archival Research	Regular	Legacy		
Regular	90 *(96)*	13 *(11)*		
Theory	63 *(75)*	1 *(0)*		
Total	153 *(171)*	14 *(11)*	167 *(182)*	
ESA	242 *(242)*			
ESA GO	233 *(228)*	5388 *(5196)*	Orbits	
ESA SNAPs	5 *(14)*	501 *(1235)*	Targets	
ESA AR	4 *(0)*			
			ESA	Orbits
GO Large	30 *(30)*	3090 *(3138)*	7 *(7)*	798 *(834)*
GO Medium	93 *(94)*	4493 *(4349)*	18 *(23)*	819 *(1035)*
GO Treasury	28 *(21)*	9073 *(2851)*	7 *(8)*	1528 *(1226)*
Pure Parallel	2 *(2)*	1080 *(720)*	0 *(0)*	0 *(0)*

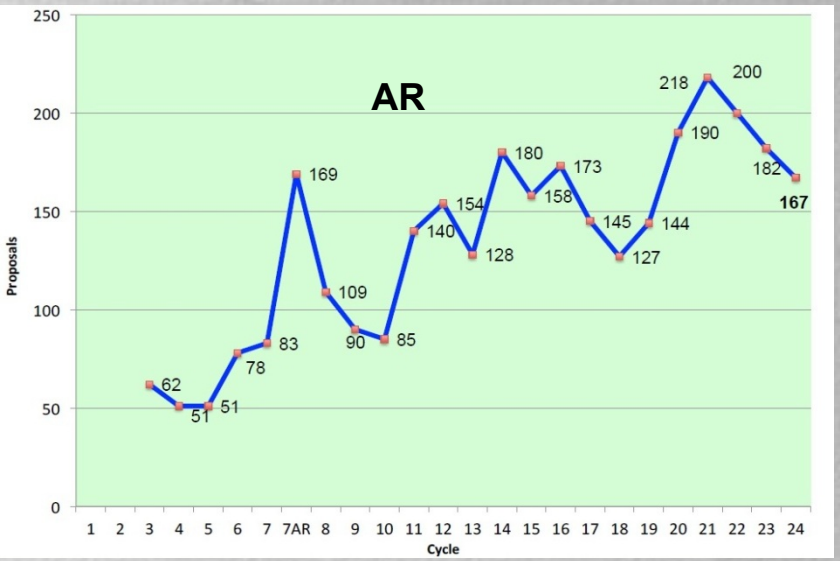

1400
1200
1000
800
600
400
200
0
Submitted
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16' 17 18 19 20 21 22 23 24
Cycle
556
427
396
502
863
1025
1298
1053
914
906
1078
1046
949
727
733
747
821
960
1050
1007
1090
1095
1135
1115
1094

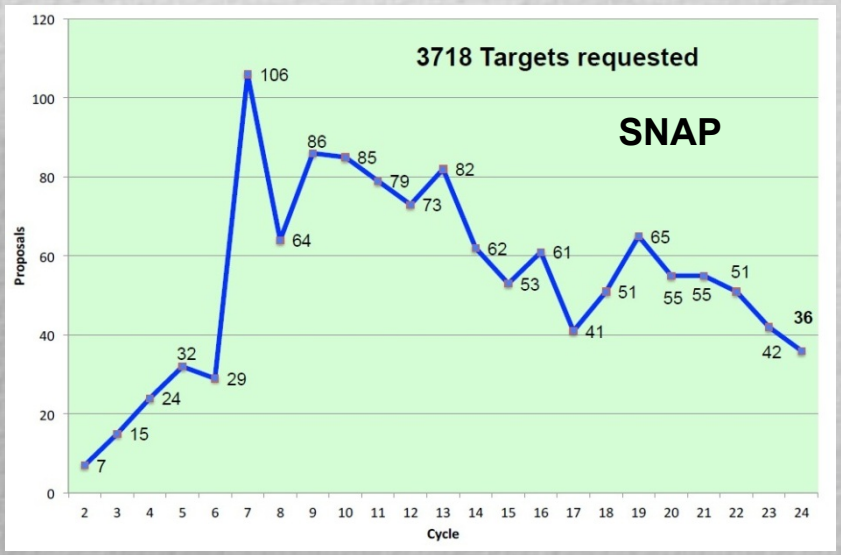

Requested Time
27500
25000
22500
20000
17500
15000
12500
10000
7500
5000
2500
0
10732
8169
6303
8289
14272
13543
21734
6473
14005
17690
16236
24667
19674
17257
14173
14668
15876
17200
20771
23096
18676
16767
19900
19742
19301
25611
1 2 3 4 5 6 7 7N 8 9 10 11 12 13 14 15 16 16' 17 18 19 20 21 22 23 24
Cycle

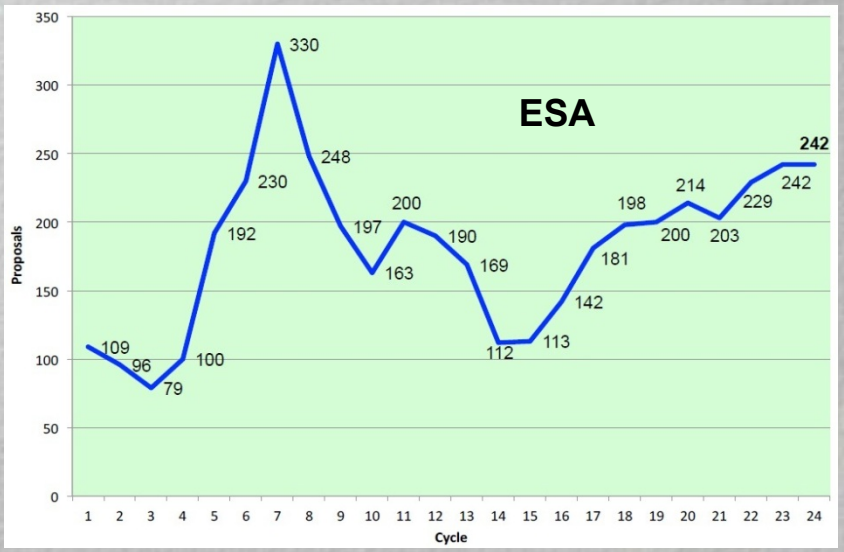
Orbit Bins


Includes 2 Pure Parallels
for 1080 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
372
263
90
51
25
18
13
11
2
4
42
2172
4021
2219
1846
1134
1004
852
827
179
385
12052
0
50
100
150
200
250
300
350
400
2500
5000
7500
10000
12500

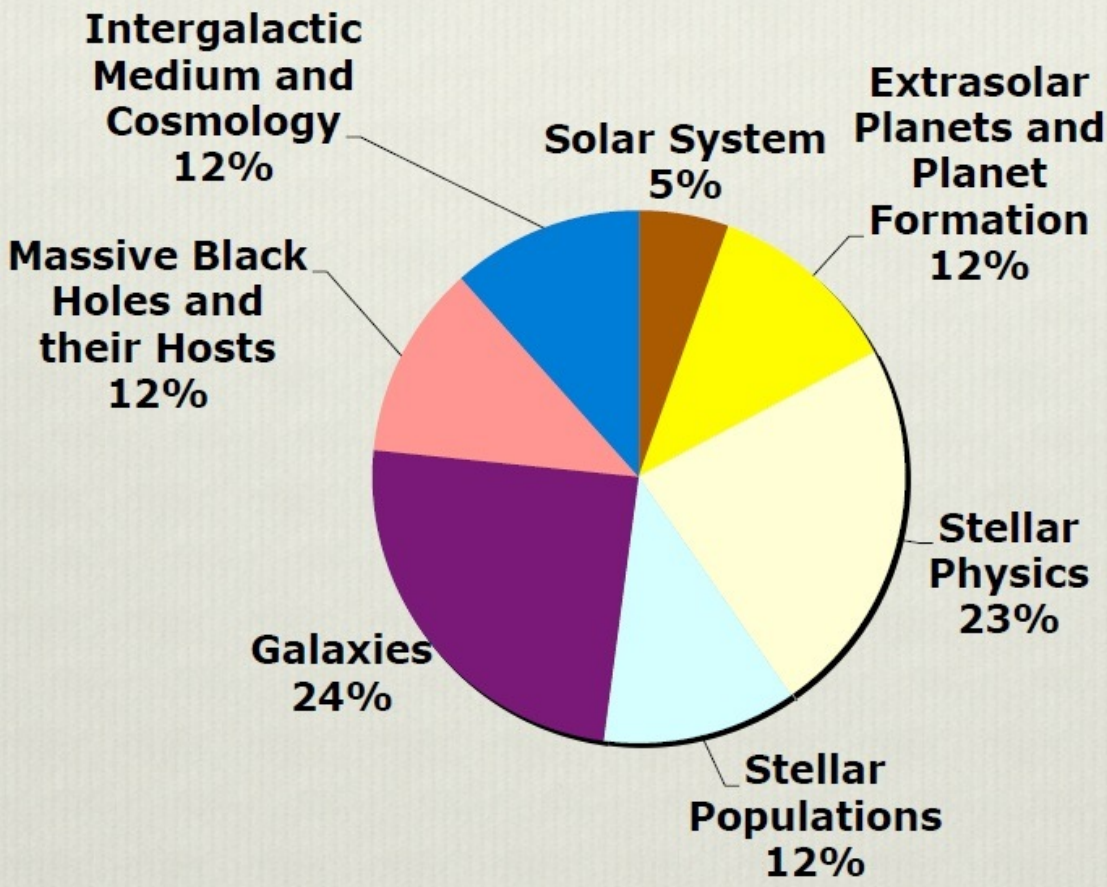

GO
Proposals
Cycle
556
427
392
450
780
918
1144
415
880
738
736
859
819
739
485
522
540
581
754
872
798
845
822
884
891
891


AR
Proposals
Cycle
62
51
51
78
83
169
109
90
85
140
154
128
180
158
173
145
127
144
190
218
200
182
167

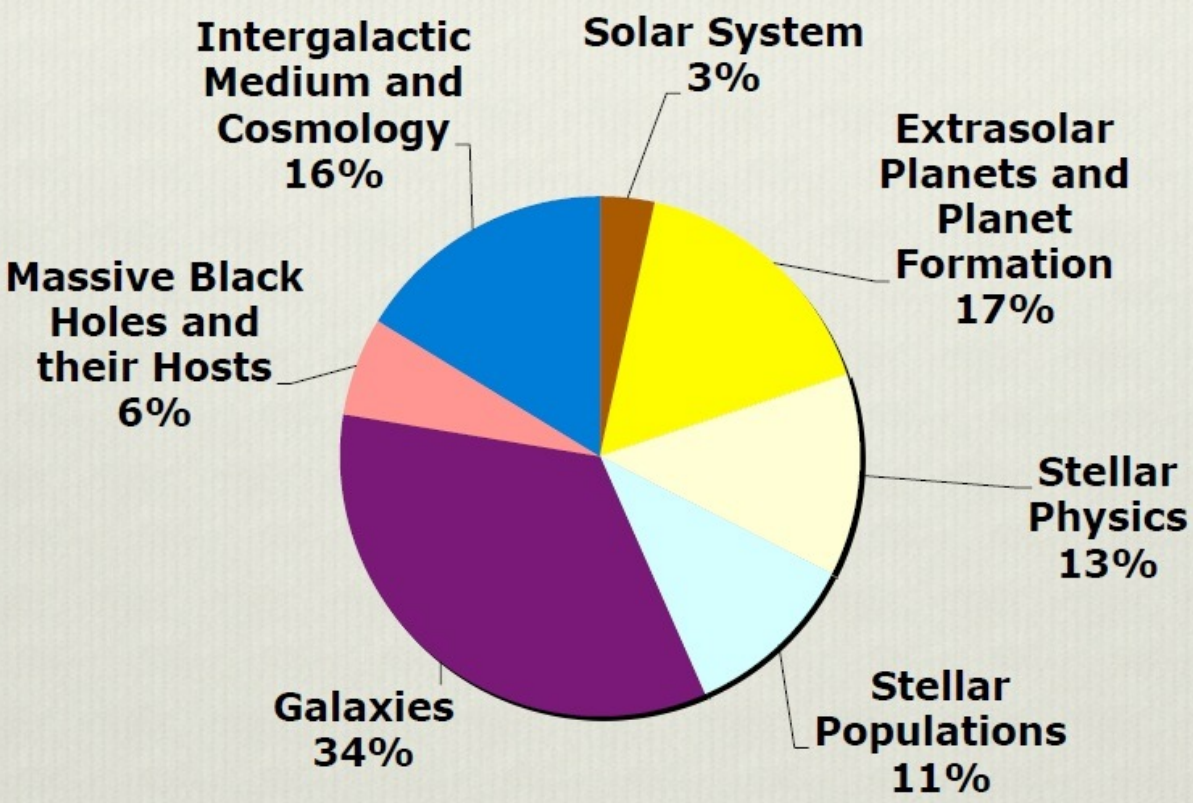

3718 Targets requested
SNAP
Proposals
Cycle
7
15
24
32
29
106
64
86
85
79
73
82
62
53
61
41
51
65
55
55
51
42
36


ESA
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
242

Proposals by Science Categories



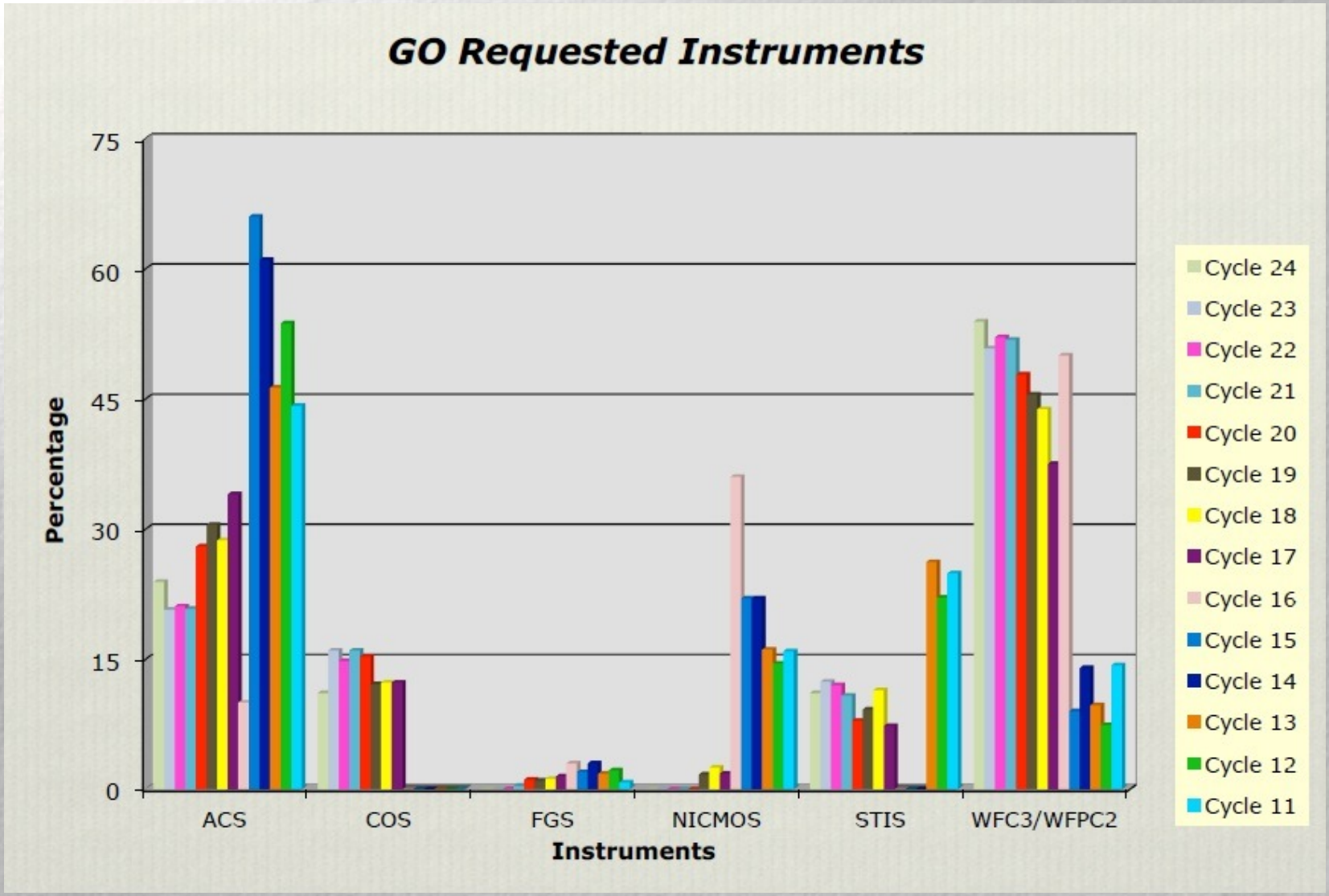
Orbits by Science Categories



Cycle 24 Instrument Summary

Configuration	Mode	Prime %	Coordinated Parallel %	Total	Instrument Prime Usage	Instrument Prime + Coordinated Parallel Usage	Pure Parallel Usage	Snap Usage
ACS/SBC	Imaging	1.1%	0.0%	0.8%			0.0%	0.0%
ACS/SBC	Spectroscopy	0.1%	0.0%	0.0%			0.0%	0.0%
ACS/WFC	Imaging	17.7%	38.4%	22.7%			0.0%	25.6%
ACS/WFC	Ramp Filter	0.4%	0.0%	0.3%	19.2%	23.9%	0.0%	0.0%
ACS/WFC	Spectroscopy	0.0%	0.0%	0.0%			0.0%	0.0%
COS/FUV	Spectroscopy	12.2%	0.0%	9.2%			0.0%	6.2%
COS/NUV	Imaging	0.1%	0.0%	0.1%	14.6%	11.1%	0.0%	0.0%
COS/NUV	Spectroscopy	2.3%	0.0%	1.8%			0.0%	0.0%
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%	8.1%
STIS/CCD	Imaging	1.7%	0.0%	1.3%			0.0%	4.8%
STIS/CCD	Spectroscopy	5.2%	0.0%	3.9%			0.0%	0.0%
STIS/FUV	Imaging	0.6%	0.0%	0.5%	14.4%	11.1%	0.0%	0.0%
STIS/FUV	Spectroscopy	3.4%	0.2%	2.6%			0.0%	5.1%
STIS/NUV	Imaging	0.0%	0.0%	0.0%			0.0%	0.0%
STIS/NUV	Spectroscopy	3.5%	0.7%	2.8%			0.0%	0.0%
WFC3/IR	Imaging	22.2%	35.1%	25.3%			46.0%	24.7%
WFC3/IR	Spectroscopy	9.7%	5.0%	8.6%	51.7%	53.9%	17.0%	0.0%
WFC3/UVIS	Imaging	19.8%	20.6%	20.0%			37.0%	25.6%
WFC3/UVIS	Spectroscopy	0.0%	0.0%	0.0%			0.0%	0.0%
		100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Prime + Coordinated Parallels
71% Imaging
29% Spectroscopy

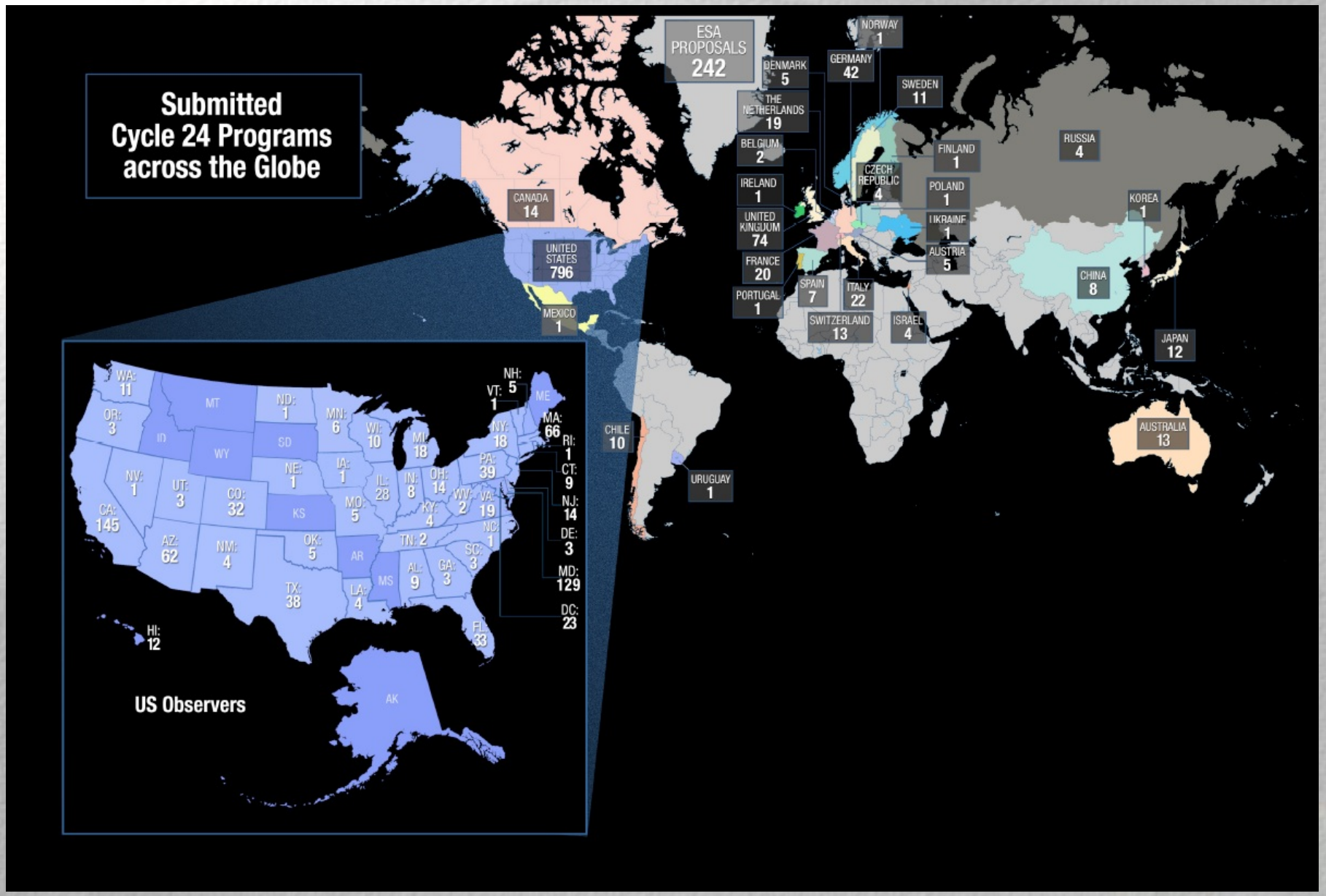

GO Requested Instruments
Percentage
75
60
45
30
15
0
ACS
COS
FGS
NICMOS
STIS
WFC3/WFPC2
Instruments
Cycle 24
Cycle 23
Cycle 22
Cycle 21
Cycle 20
Cycle 19
Cycle 18
Cycle 17
Cycle 16
Cycle 15
Cycle 14
Cycle 13
Cycle 12
Cycle 11

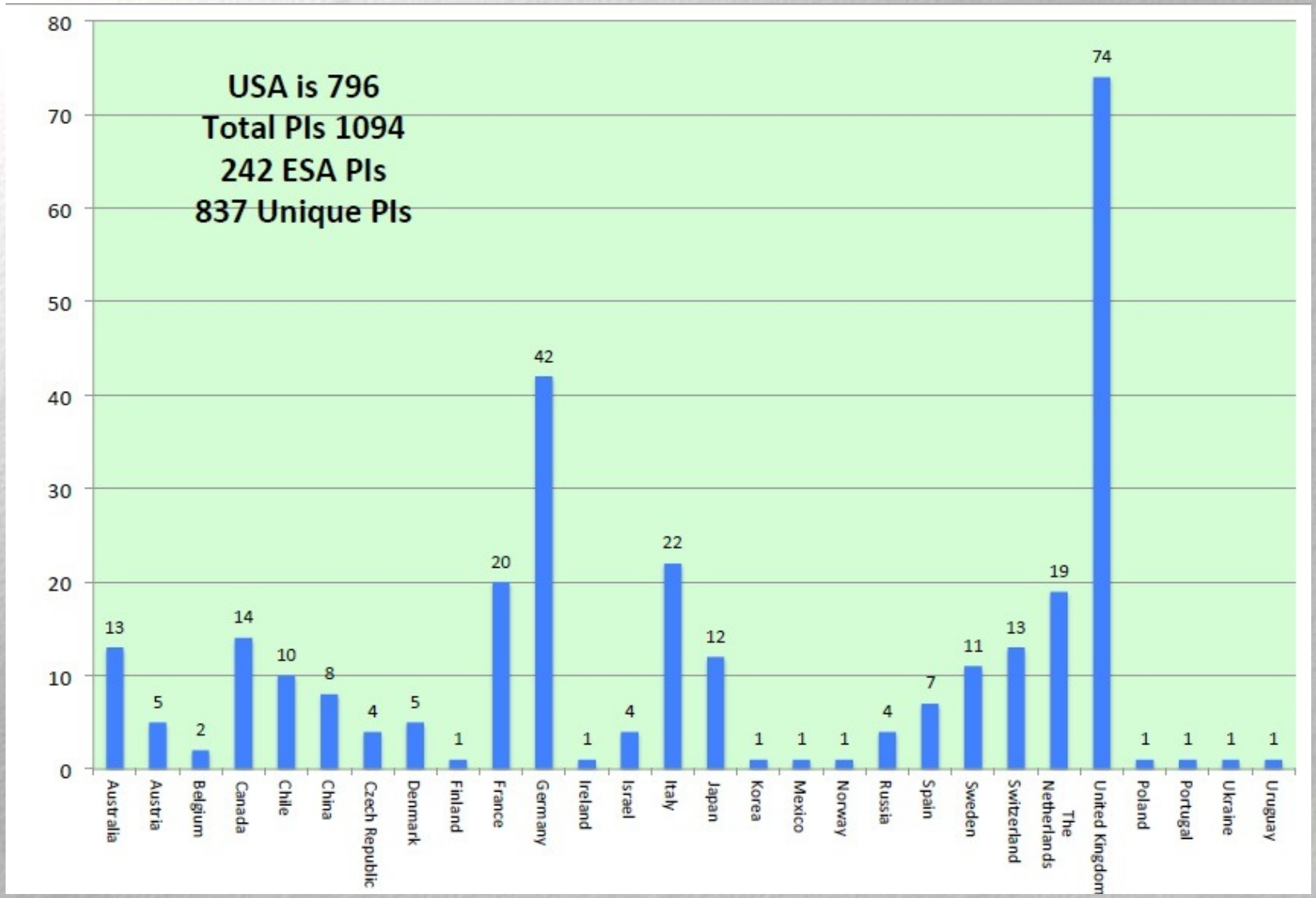
Cycle 24 Joint Observatory Requests

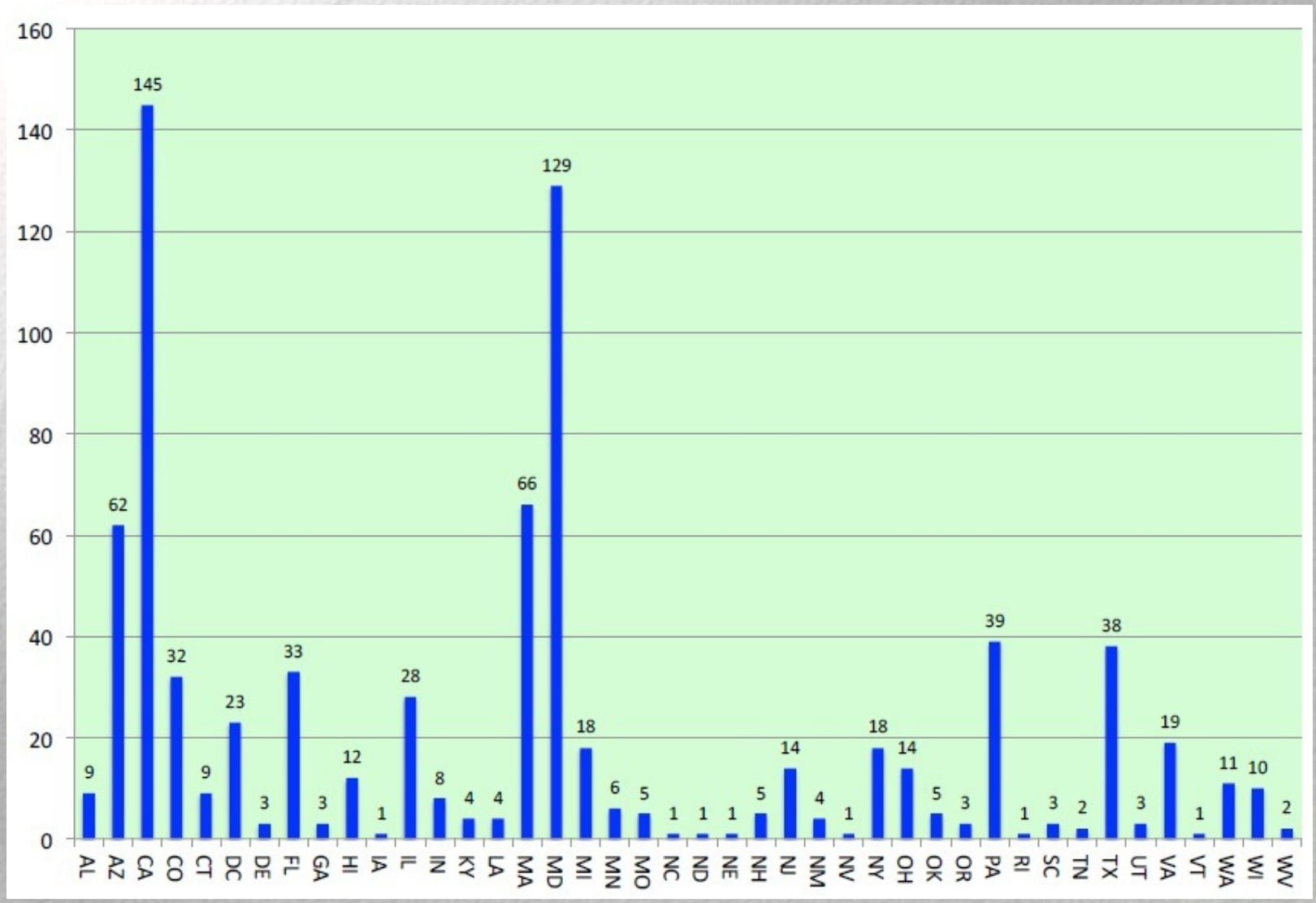
Joint Observatory	Proposals	Requested Time	HST Orbits
Chandra	8	783 Ksecs	323
NOAO	6	20.3 Nights	272
NRAO	8	64 Hours	95
Spitzer	16	112.55 Hours	418
XMM	5	290 Ksecs	299

C24: Special Categories

- 2 Calibration proposals
- 36 Target of Opportunity proposals
- 93 Medium proposals for 4493 orbits
- UV Initiative: 331 GO proposals for 9977 orbits and 38 AR proposals
- JWST support: 60 GO proposals for 6857 orbits
- 2 Pure Parallel proposals
- 2 Very Large Treasury programs requesting >1000 orbits


Submitted Cycle 24 Programs across the Globe
ESA PROPOSALS 242
NORWAY 1
DENMARK 5
GERMANY 42
SWEDEN 11
THE NETHERLANDS 19
BELGIUM 2
FINLAND 1
RUSSIA 4
CZECH REPUBLIC 4
POLAND 1
IRELAND 1
KOREA 1
CANADA 14
UNITED KINGDOM 74
UKRAINE 1
AUSTRIA 5
UNITED STATES 796
FRANCE 20
CHINA 8
SPAIN 7
ITALY 22
PORTUGAL 1
MEXICO 1
SWITZERLAND 13
ISRAEL 4
JAPAN 12
CHILE 10
AUSTRALIA 13
URUGUAY 1
WA: 11
OR: 3
CA: 145
NV: 1
ID
MT
WY
UT: 3
AZ: 62
CO: 32
NM: 4
ND: 1
SD
NE: 1
KS
OK: 5
TX: 38
MN: 6
IA: 1
MO: 5
AR
LA: 4
WI: 10
IL: 28
MS
MI: 18
IN: 8
KY: 4
TN: 2
AL: 9
OH: 14
GA: 3
FL: 33
WV: 2
VA: 19
NC: 1
SC: 3
PA: 39
NY: 18
NH: 5
VT: 1
ME
MA: 66
RI: 1
CT: 9
NJ: 14
DE: 3
MD: 129
DC: 23
HI: 12
AK
US Observers


USA is 796
Total PIs 1094
242 ESA PIs
837 Unique PIs
80
70
60
50
40
30
20
10
0
13
5
2
14
10
8
4
5
1
20
42
1
4
22
12
1
1
1
4
7
11
13
19
74
1
1
1
1
Australia
Austria
Belgium
Canada
Chile
China
Czech Republic
Denmark
Finland
France
Germany
Ireland
Israel
Italy
Japan
Korea
Mexico
Norway
Russia
Spain
Sweden
Switzerland
The Netherlands
United Kingdom
Poland
Portugal
Ukraine
Uruguay


160
140
120
100
80
60
40
20
0
AL 9
AZ 62
CA 145
CO 32
CT 9
DC 23
DE 3
FL 33
GA 3
HI 12
IA 1
IL 28
IN 8
KY 4
LA 4
MA 66
MD 129
MI 18
MN 6
MO 5
NC 1
ND 1
NE 1
NH 5
NJ 14
NM 4
NV 1
NY 18
OH 14
OK 5
OR 3
PA 39
RI 1
SC 3
TN 2
TX 38
UT 3
VA 19
VT 1
WA 11
WI 10
WV 2

TAC Organization

- The proposal review will be on **June 5 – 10, 2016**.
- The panels will discuss Small, Medium, SNAP and Archival proposals until Wednesday noon.
- The TAC will meet until Friday late afternoon to allow for sufficient time to discuss the Large, Treasury and Legacy proposals.
- In this cycle, we will have one panel (Solar System) meeting virtually, with only the Chair being onsite.
- There will be a new pairing of science categories in this cycle.

TAC Organization (cont.)

- TAC Chair: **Caty Pilachowski** (Indiana University)
- Revised panel structure in Cycle 24:
  - 15 panels organized by science category
  - 1 single panel for Solar System
  - 2 mirror panels for Planets and Planet Formation
  - 3 mirror panels for Stellar Physics
  - 2 mirror panels for Stellar Populations
  - 3 mirror panels for Galaxies
  - 2 mirror panels for Black Holes and Hosts
  - 2 mirror panels for IGM and Cosmology
- Each panel has 9 panelists and a Chair. (One panel has 10 panelists.)

Available Orbits in Cycle 24

- Roughly **3400** orbits available for Cycle 24 GO's
- Same number as in Cycle 23
- Break-down:
  - **1000** orbits for the TAC (Large and Treasury)
  - **1800** orbits for the 15 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 to optimize the review process.
- Orbits for Medium proposals come from a pool which is separate from that of the Small proposals.
- Medium proposals will be discussed exclusively by the panels. The TAC will be informed of the panel recommendations.
- Each panel will rank the Medium proposals together with all other proposals in their panel.
- The highest ranked medium proposal will be considered for acceptance provided it is ranked above the cutoff for regular proposals.
  - *Panels may not arbitrarily raise the ranking of medium proposals to meet this criterion.*
- A panel may recommend more than N Medium proposals using orbits from their Small proposal pool.
- Cross-panel discussions will be performed by the mirror panel chairs during breakfast.

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 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 external reviewers** who are not TAC members.
- These reviewers are typically previous panelists 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.