



Atacama Large Millimeter/submillimeter Array
In search of our Cosmic Origins



Cycle 11 Proposal Submission Statistics

Joint ALMA Observatory
May 16, 2024





Number of submitted proposals and time requested

	Number of proposals	Time requested (hours)		
		12-m	7-m	Total Power
All proposals	1712	31,610	12,995	8928
ACA standalone	87	-	4770	2437
Large Programs	42	4713	2152	1337



Time requested by region

	All	Chile	East Asia	Europe	North America	Other
12-m Array time (hours)	31,610	2346	6647	11,946	9752	919
Offered	4300	430	968	1451	1451	see note
Subscription	7.4	5.5	6.9	8.2	6.7	N/A
7-m Array time (hours)	12,995	1160	3261	4912	3503	158
Total Power Array time (hours)	8928	564	3136	2489	2585	154

Note: All regions contribute observing time for proposals from PIs who are not affiliated with any of the ALMA regions.



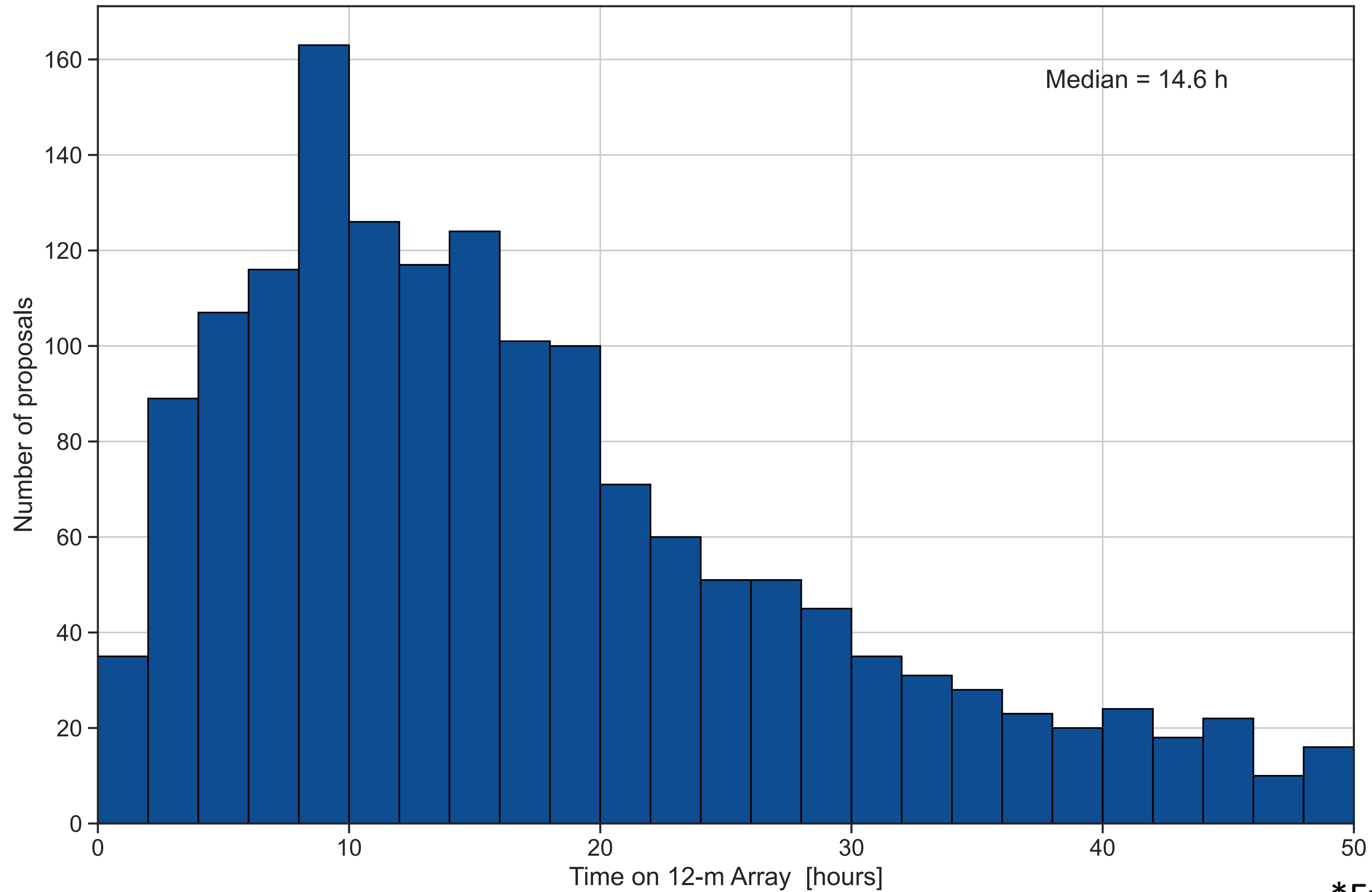
Joint Proposals

Partner Observatory	Number of proposals*	Time requested on Partner Observatory
JWST	50	312 h
VLA	14	136 h
VLT	5	20 h

*67 Joint Proposals submitted in Cycle 11, as 2 proposals requested time on 2 or more partner observatories.



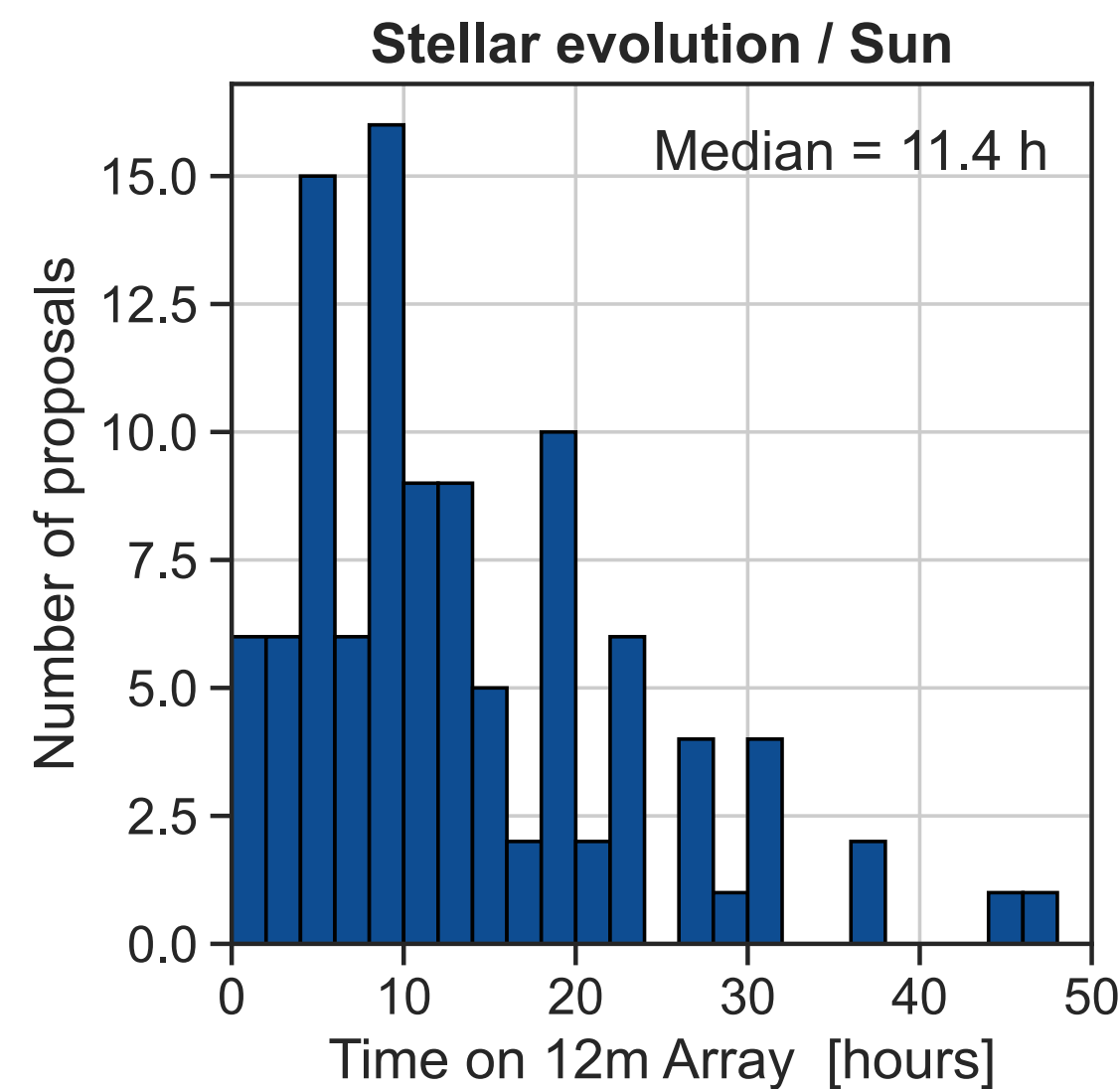
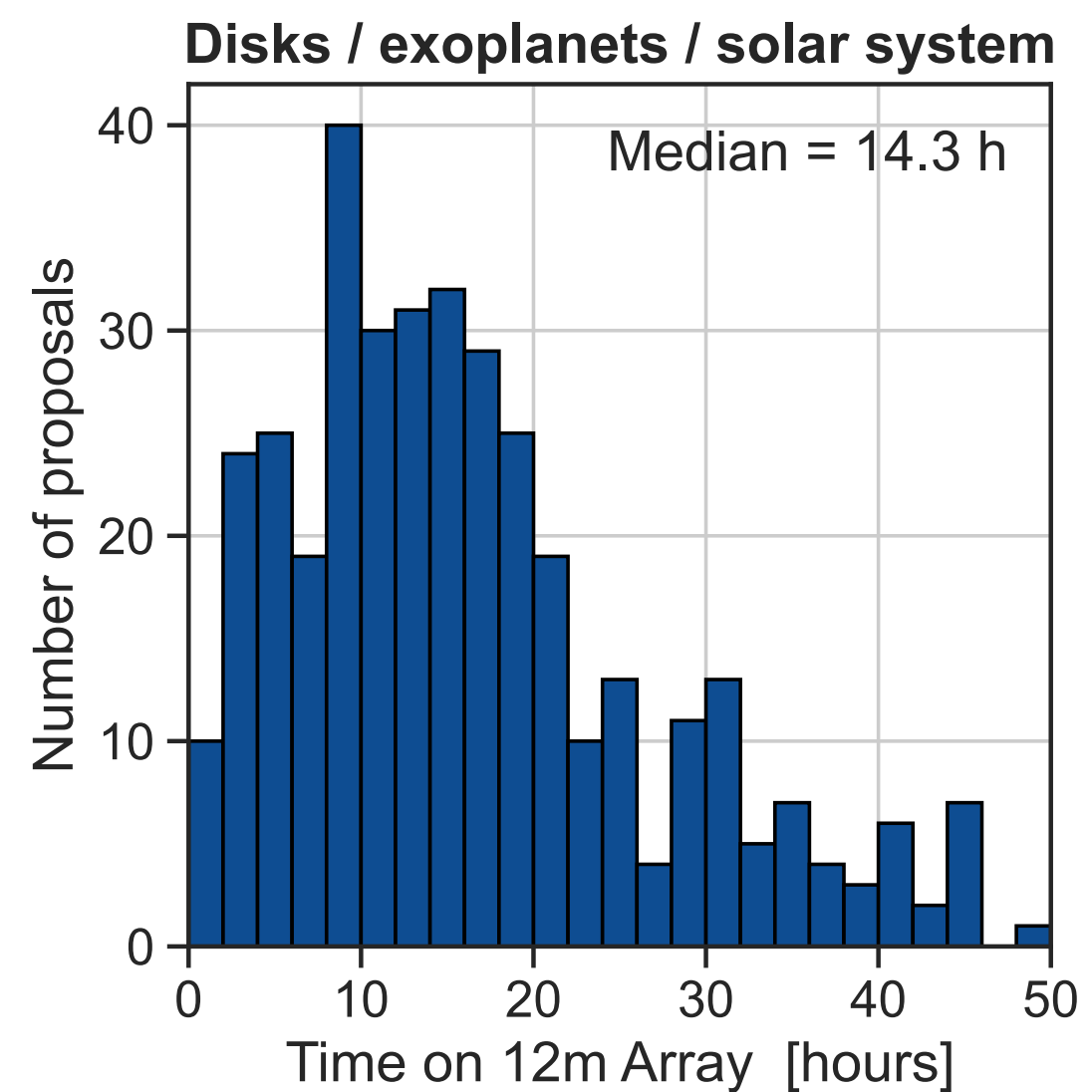
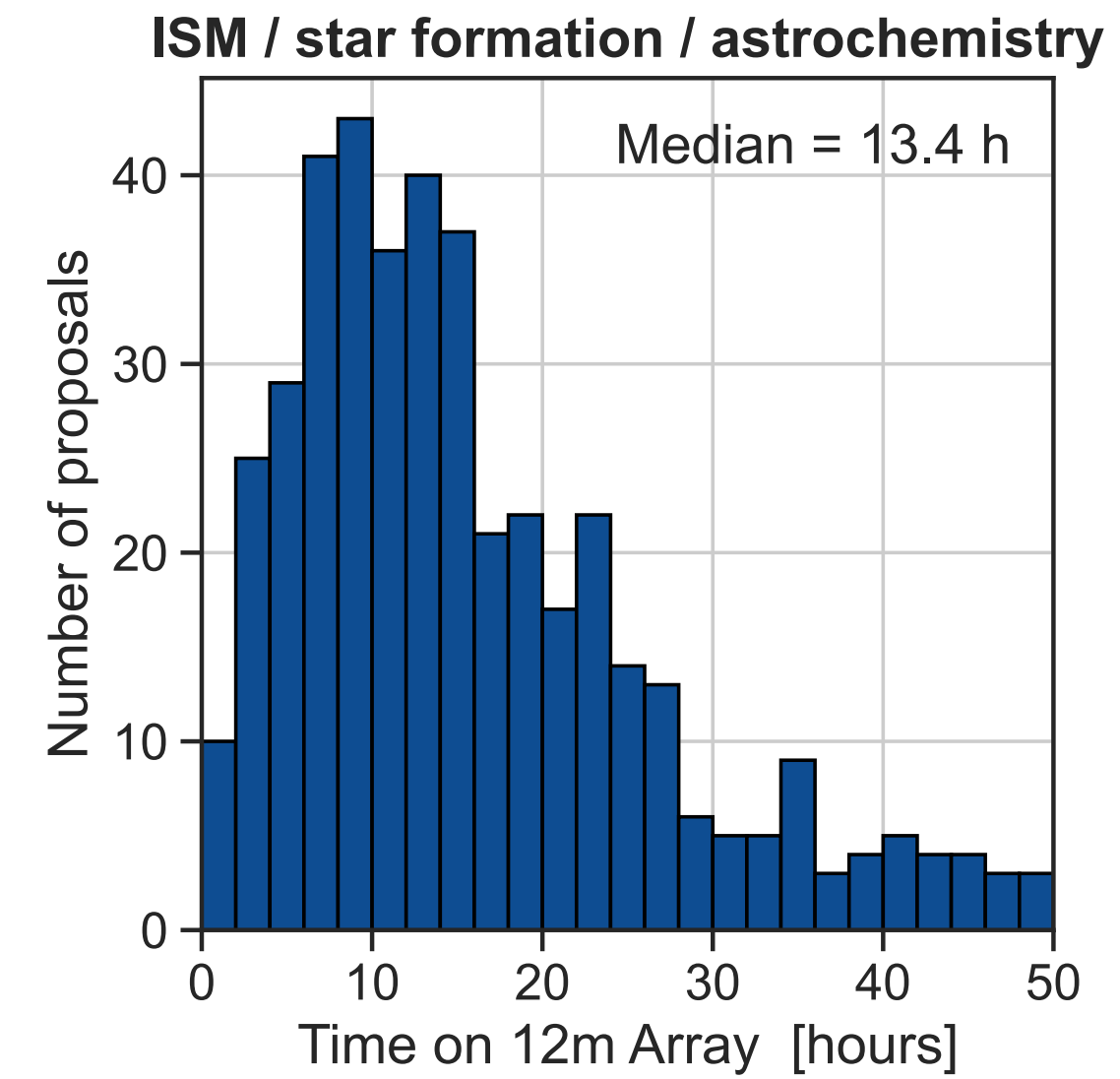
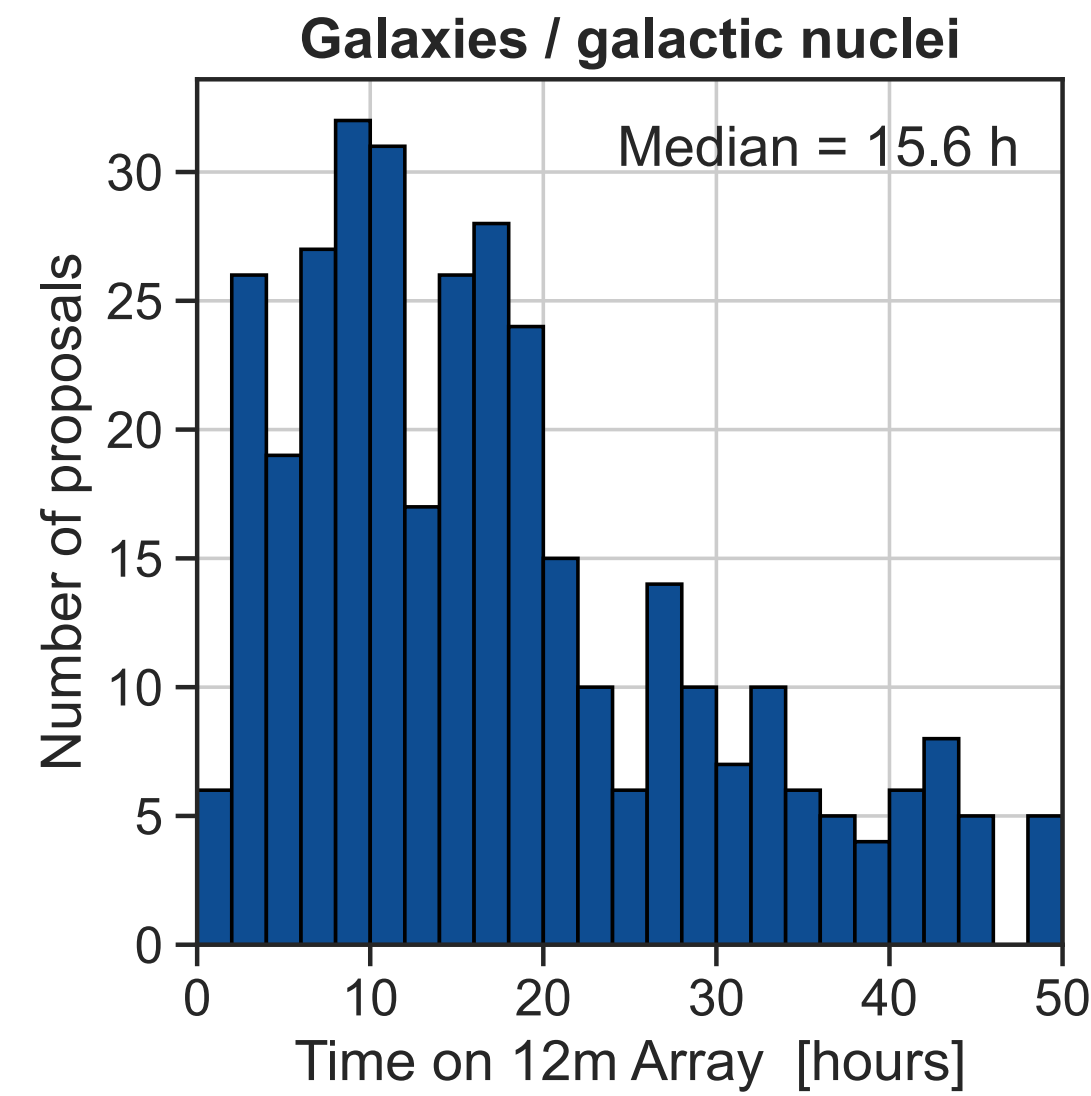
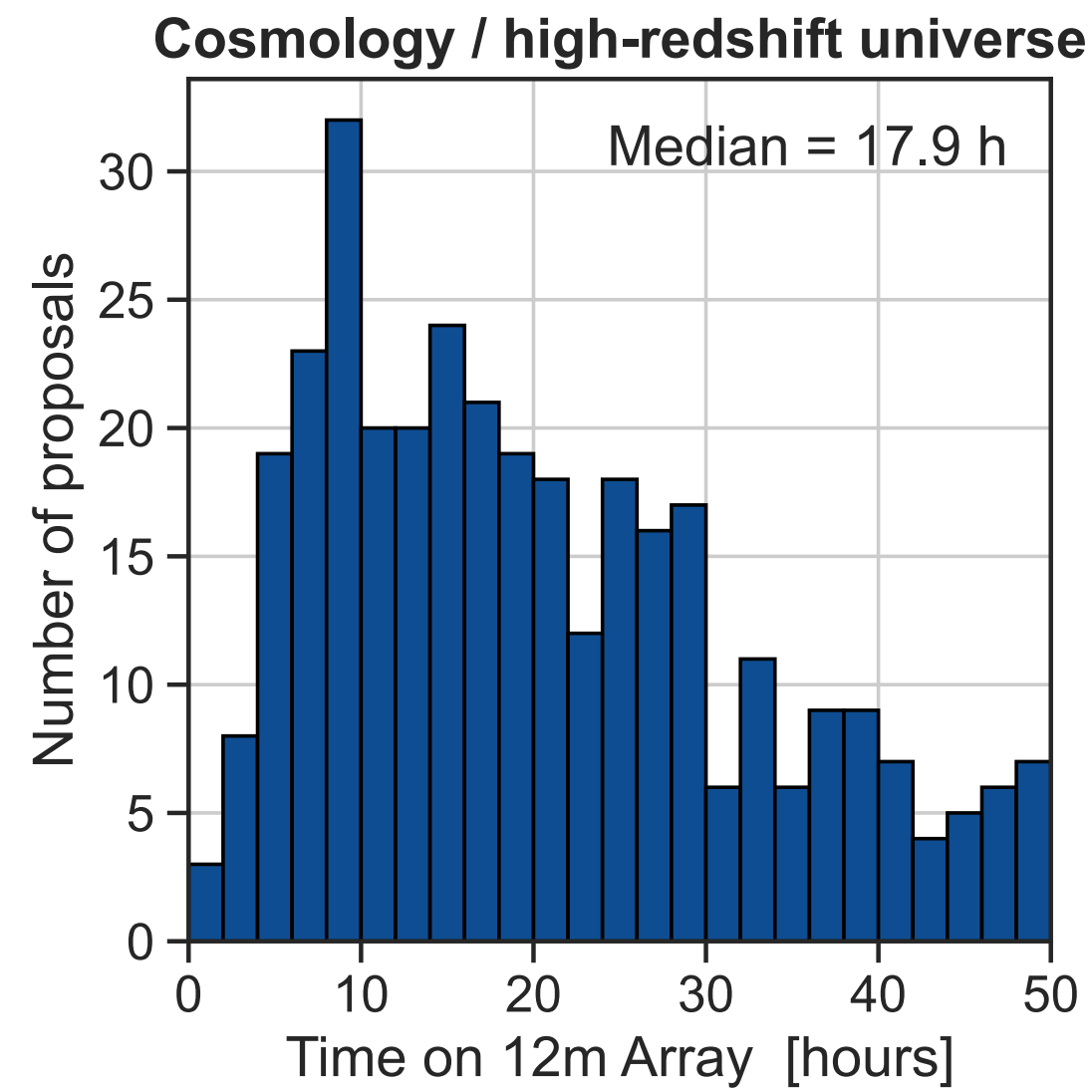
Requested 12-m Array Time per Proposal*



*Excluding Large Programs



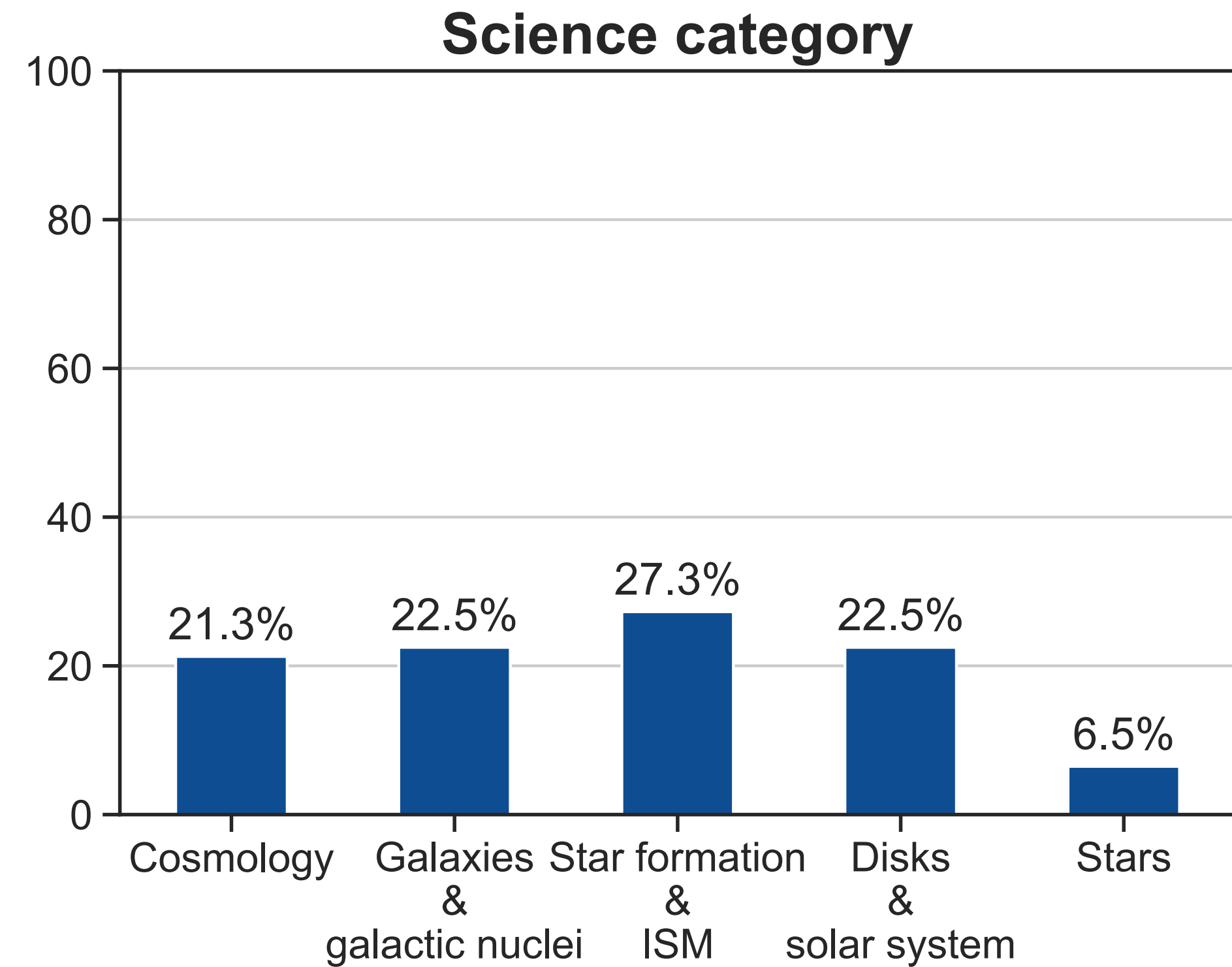
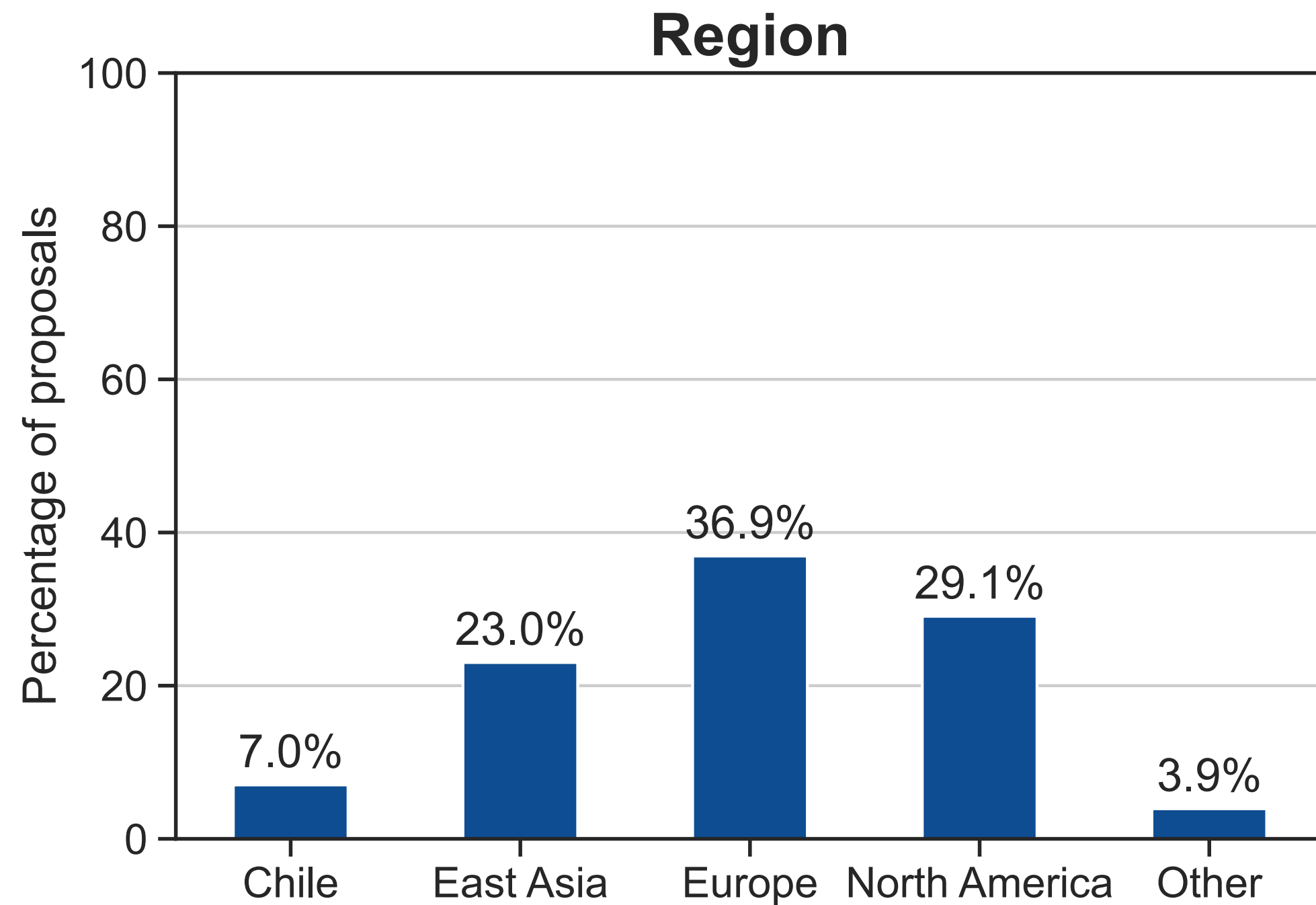
Requested 12-m Array Time by Science Category*



*Excluding Large Programs



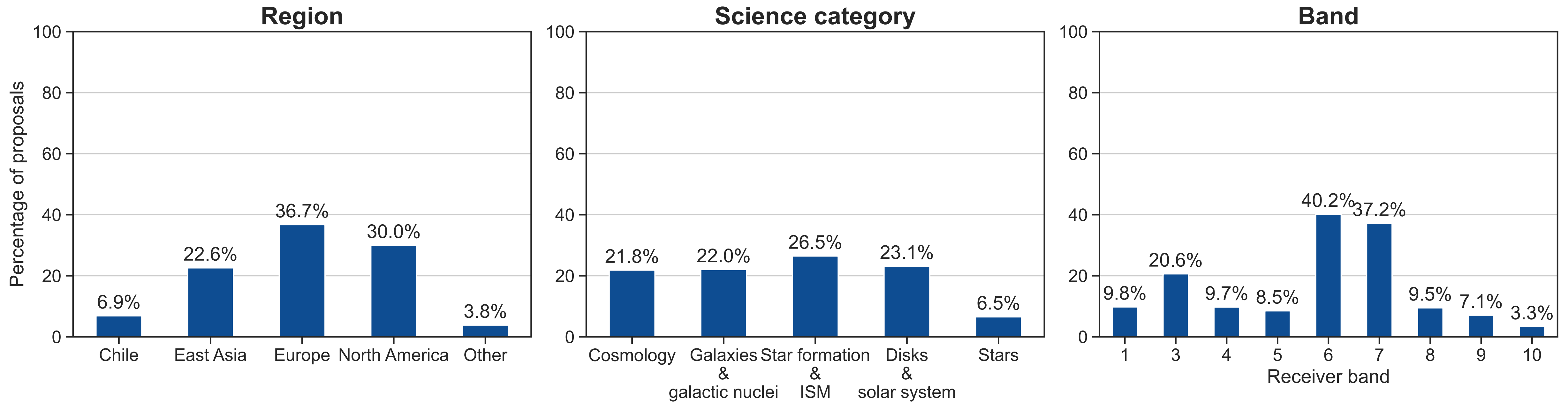
Percentage of proposals by region* and category: all arrays



* Percentages by region correspond to the regional affiliation of the Principal Investigator (PI) and co-PIs.



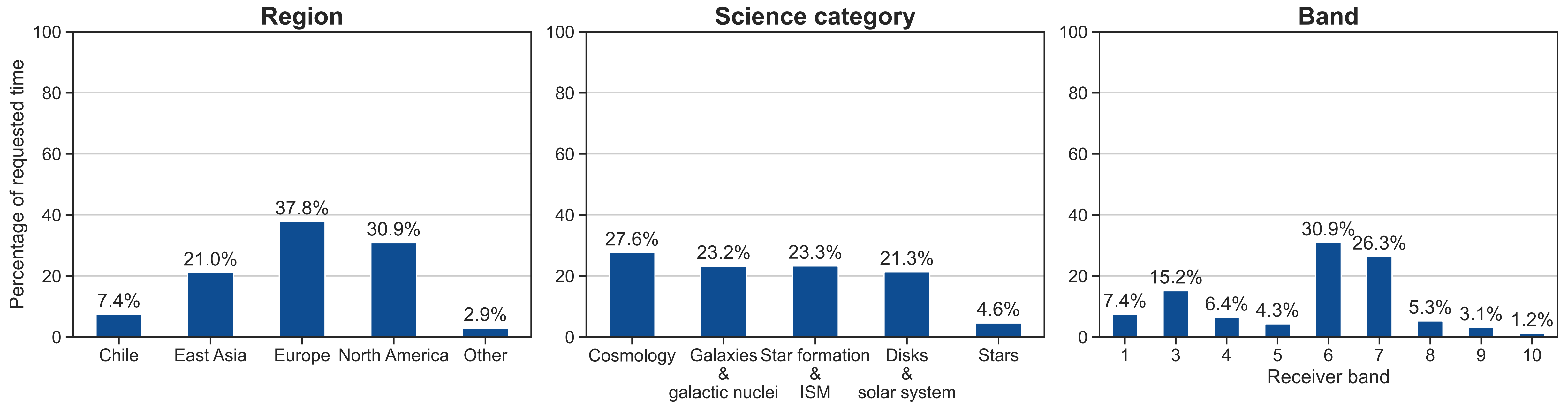
Number of proposals by region, category, and band: 12-m Array



- Results are for the 1625 proposals requesting the 12-m Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.

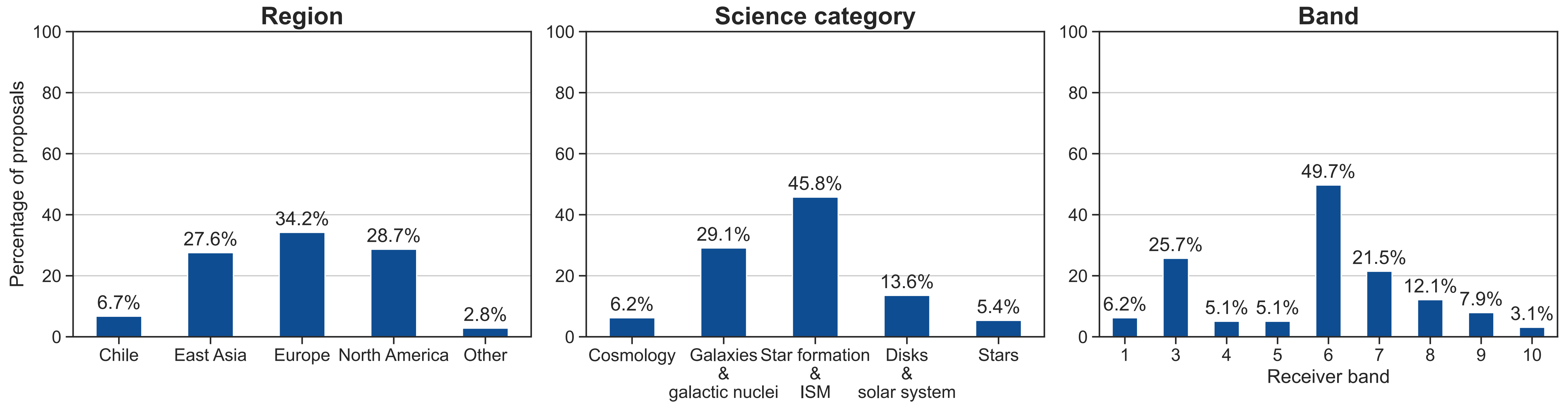


Requested time by region, category, and band: 12-m Array





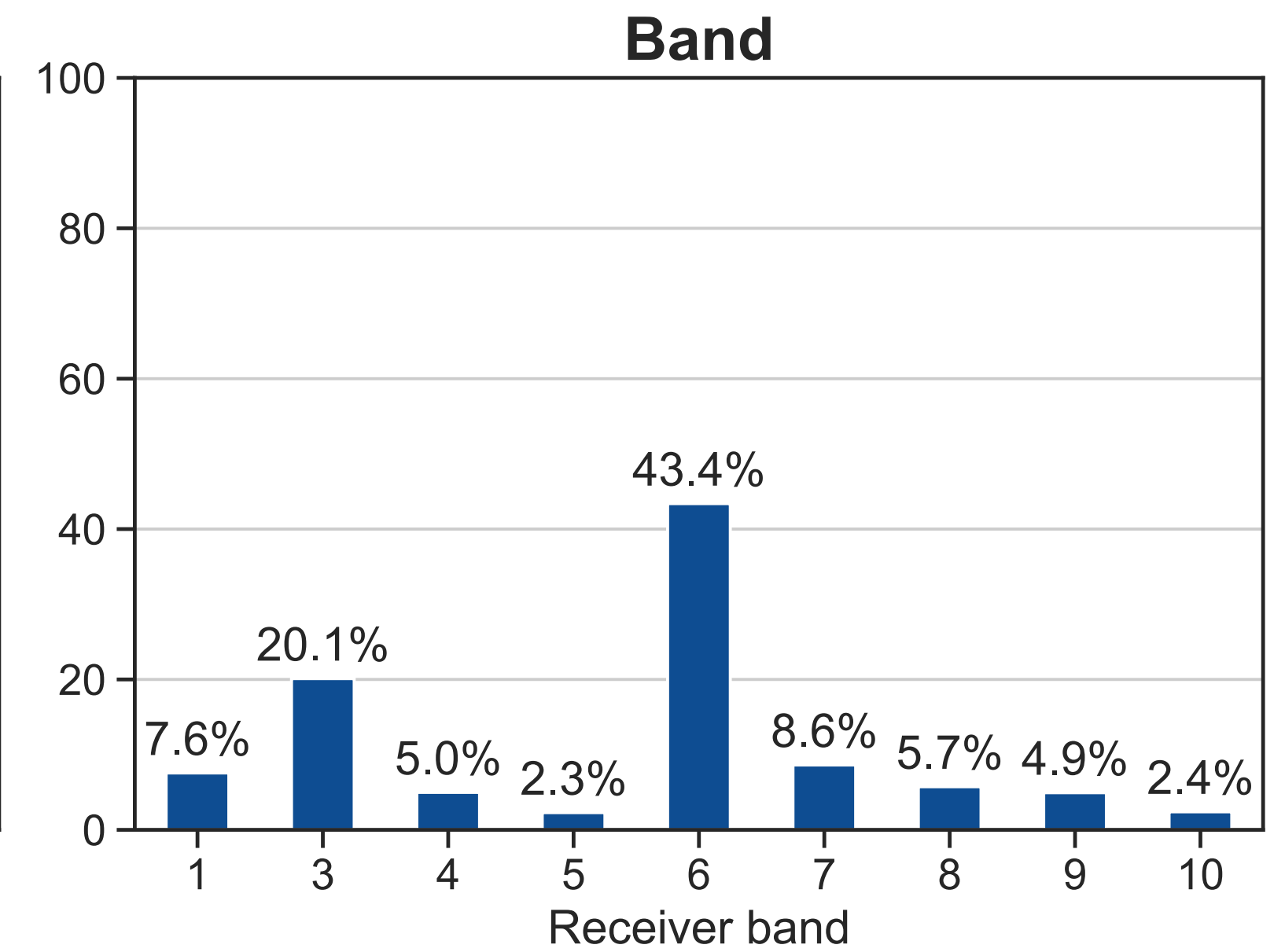
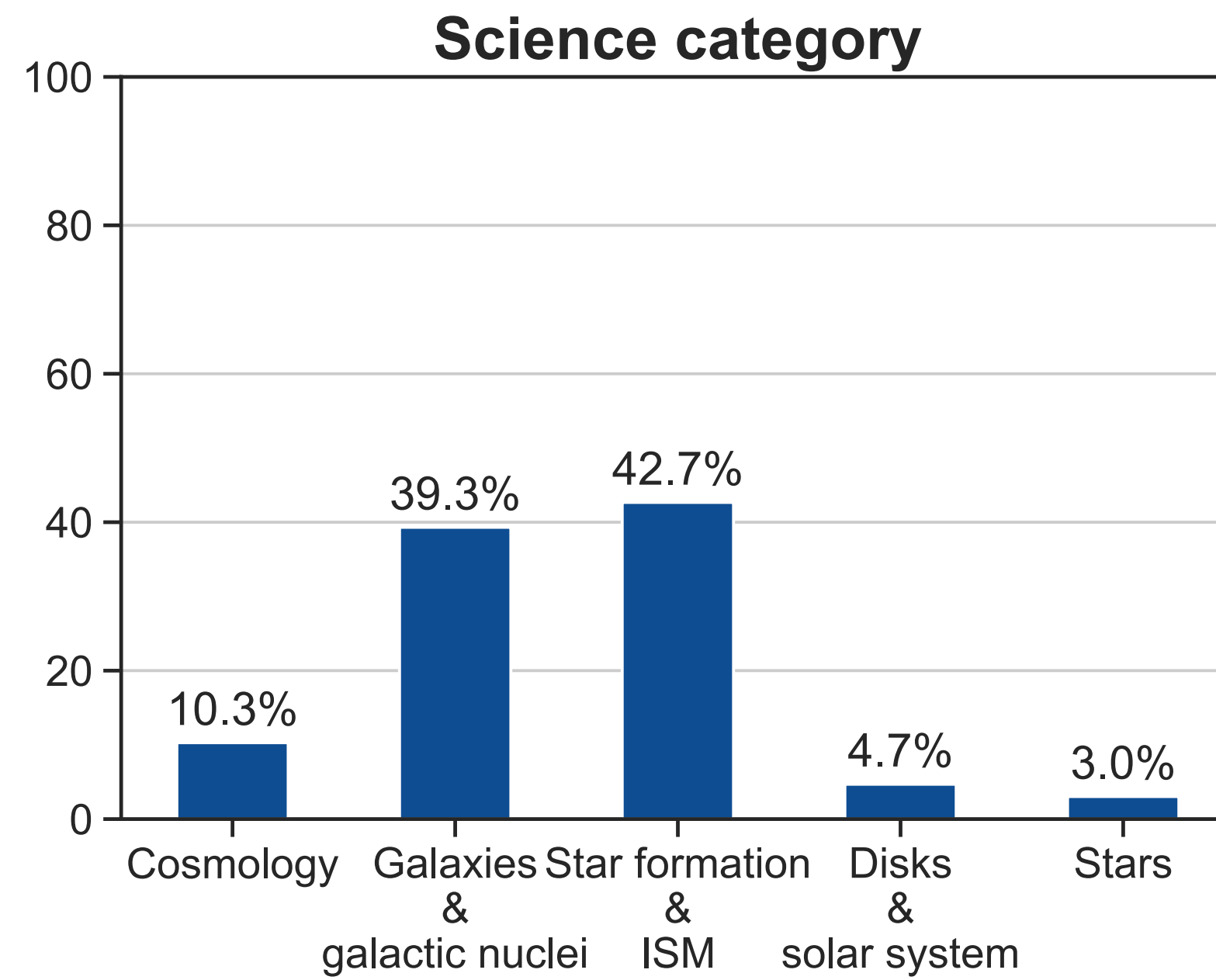
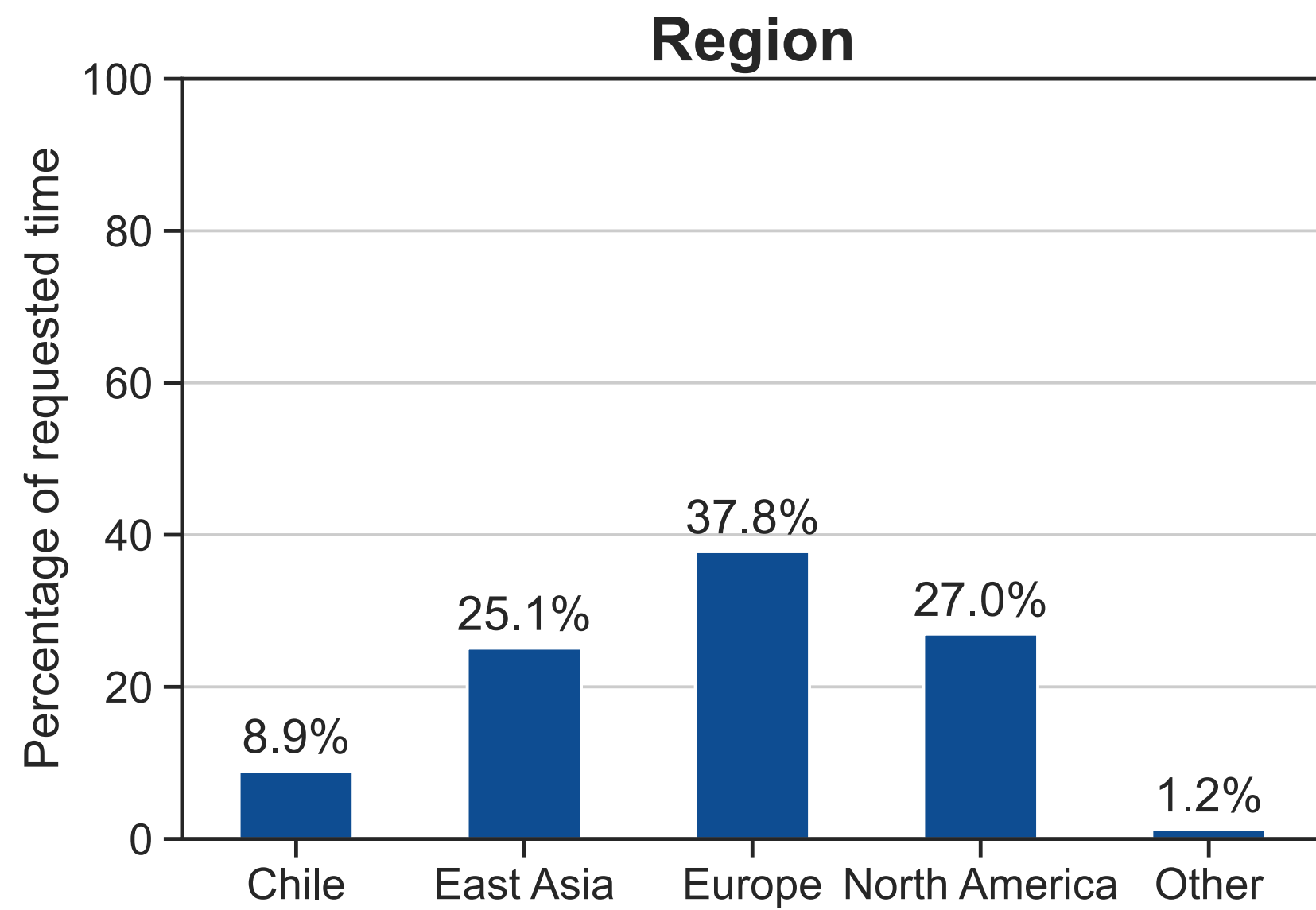
Number of proposals by region, category, and band: 7-m Array



- Results are for the 354 proposals requesting the 7-m Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.

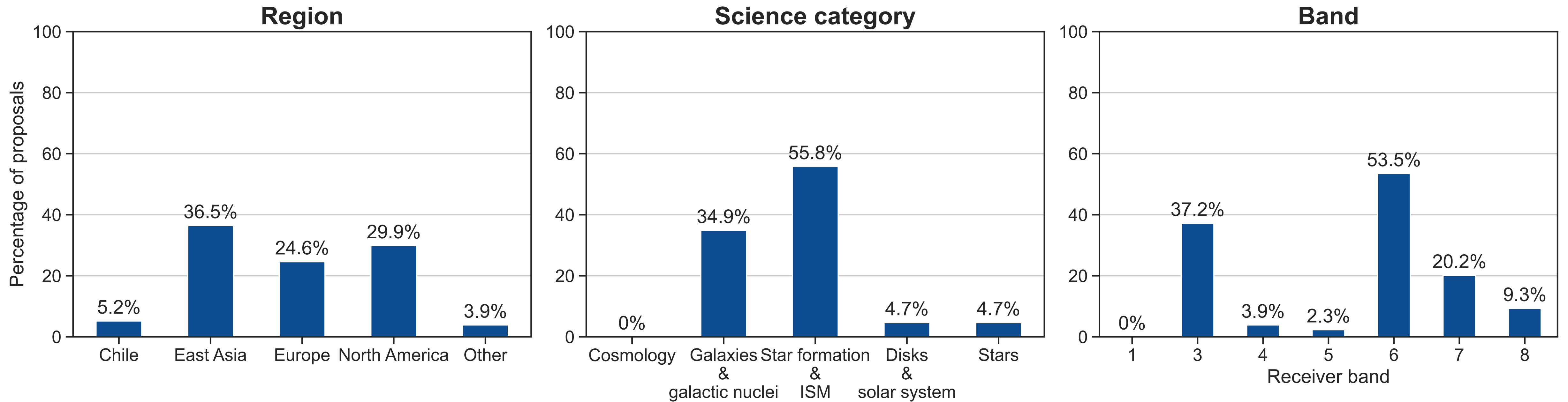


Requested time by region, category, and band: 7-m Array





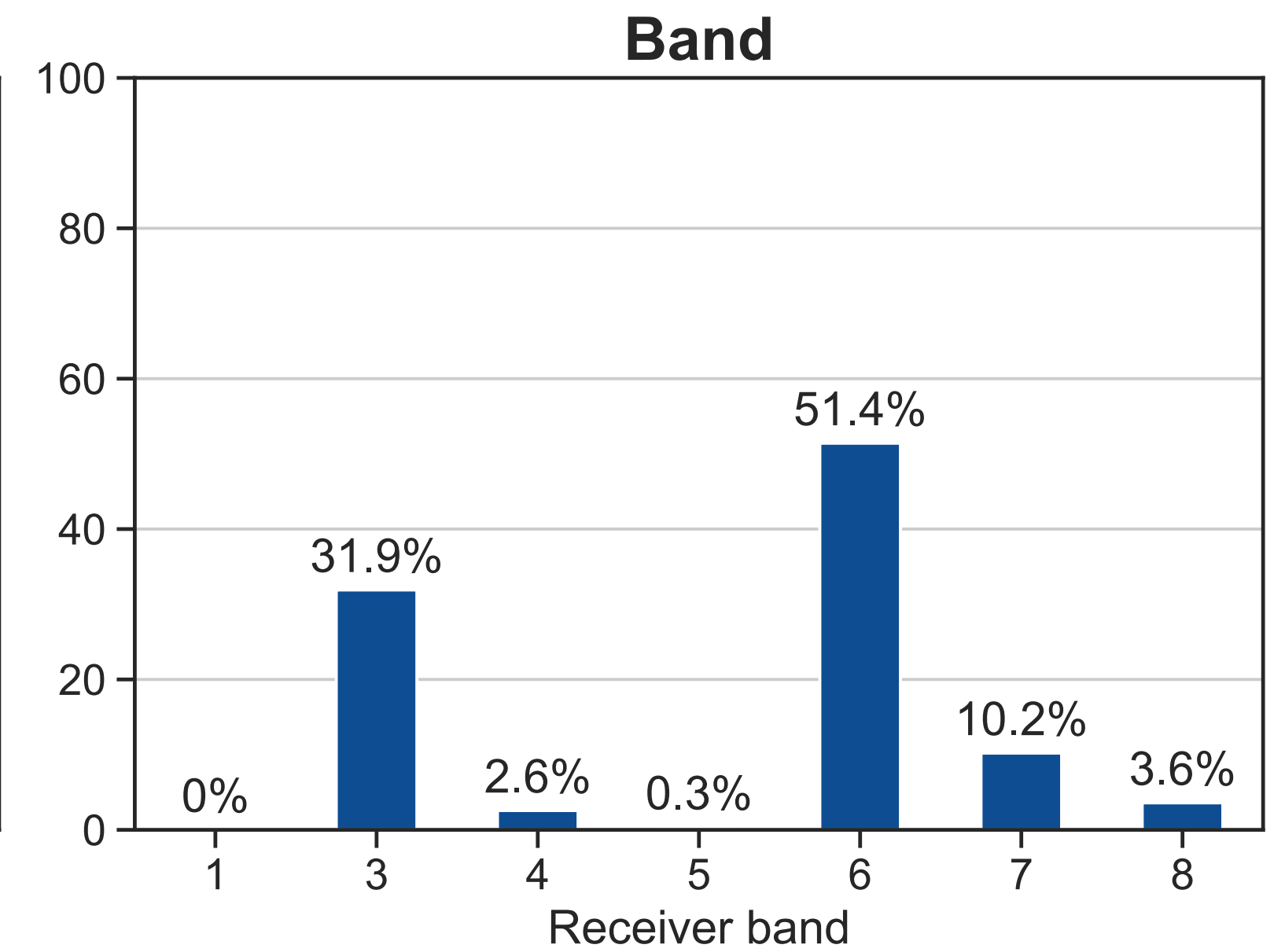
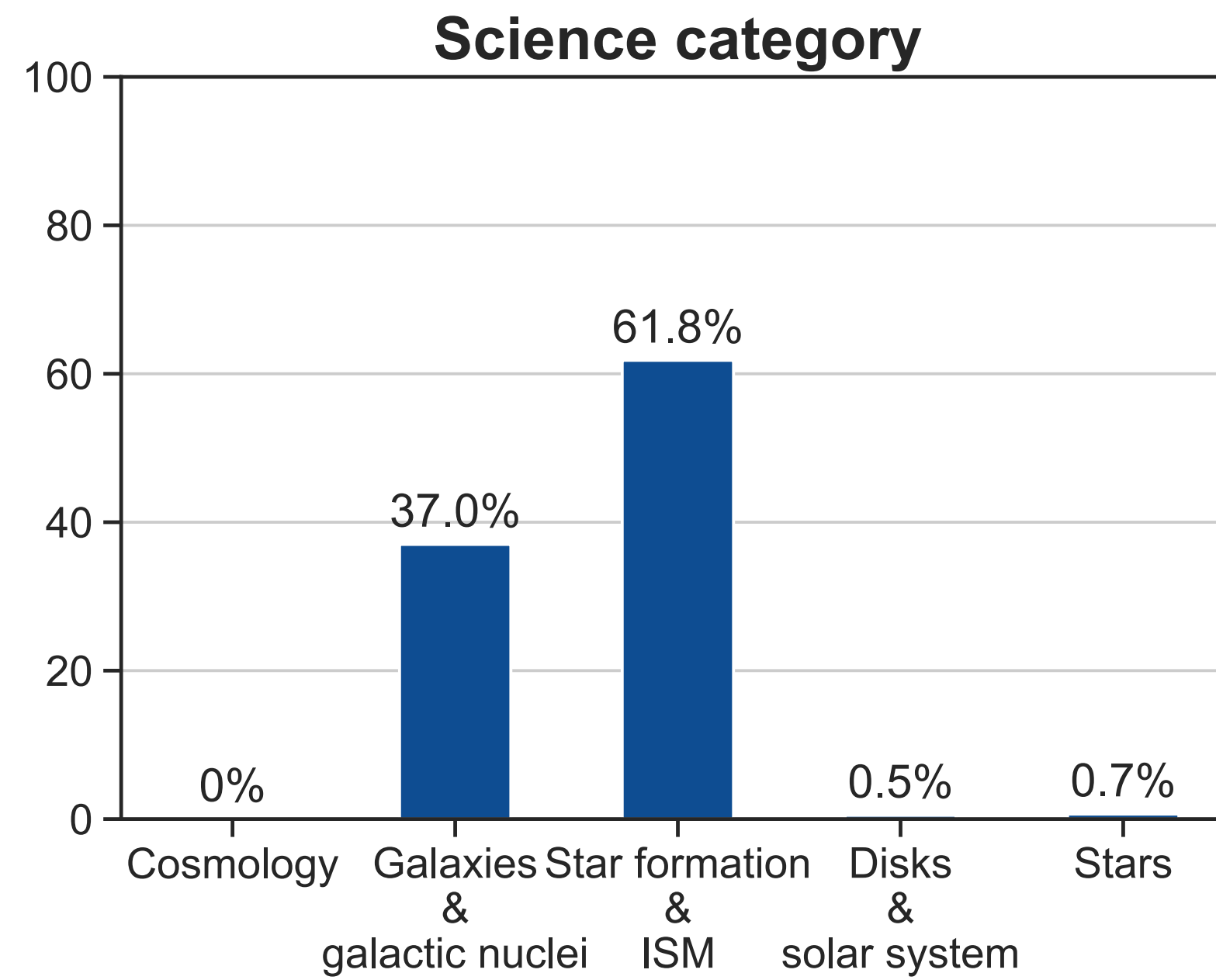
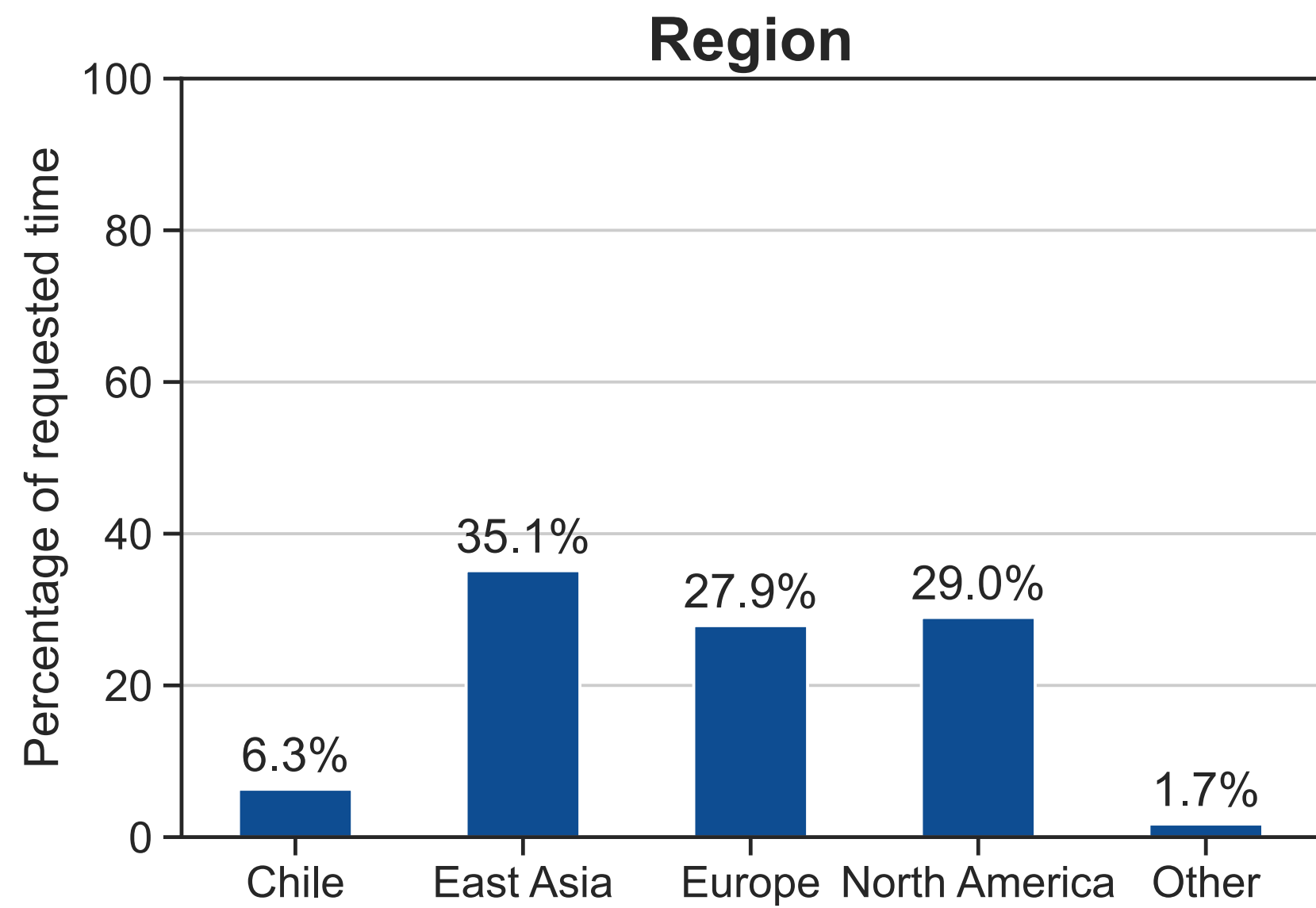
Number of proposals by region, category, and band: Total Power Array



- Results are for the 129 proposals requesting the Total Power Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.

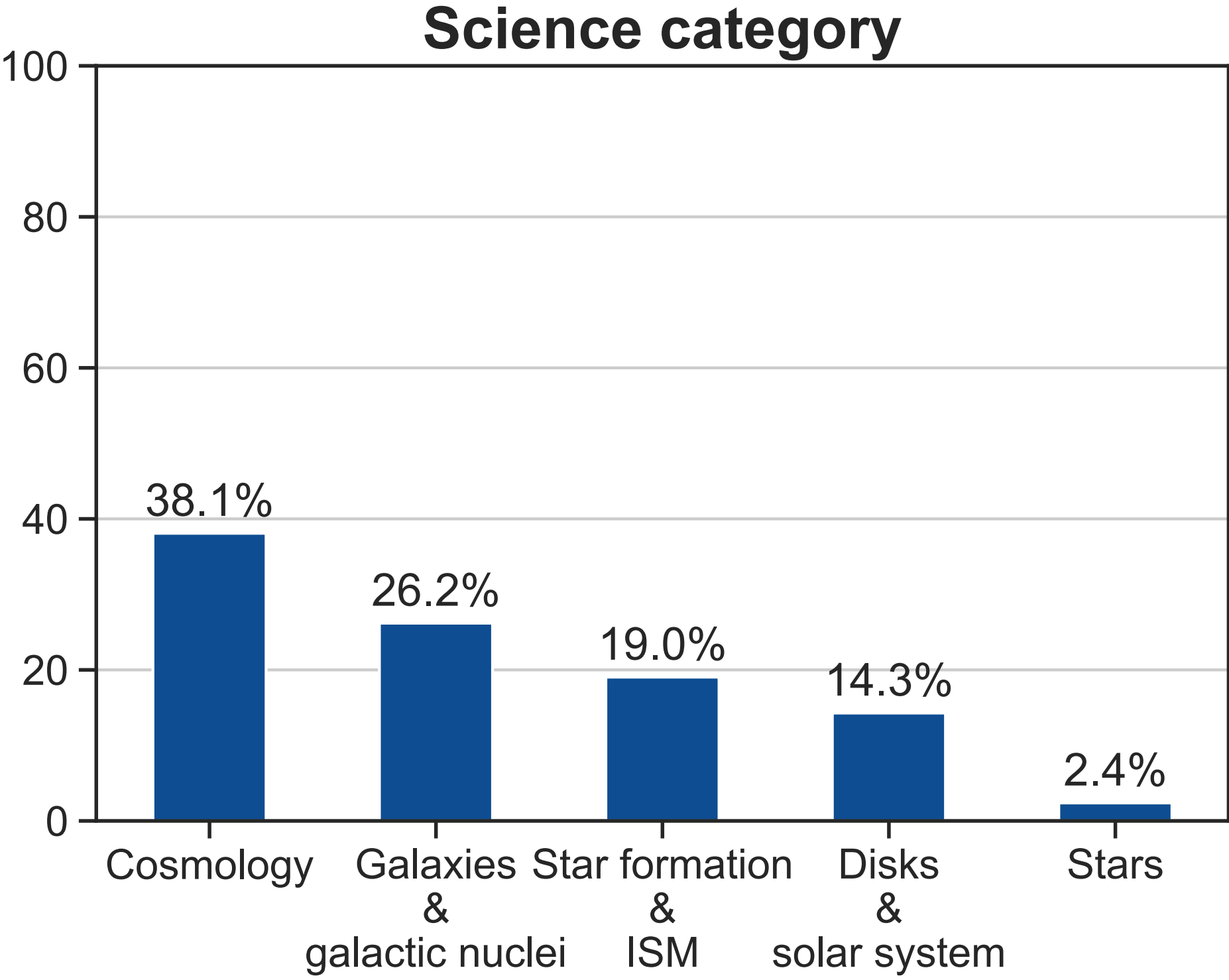
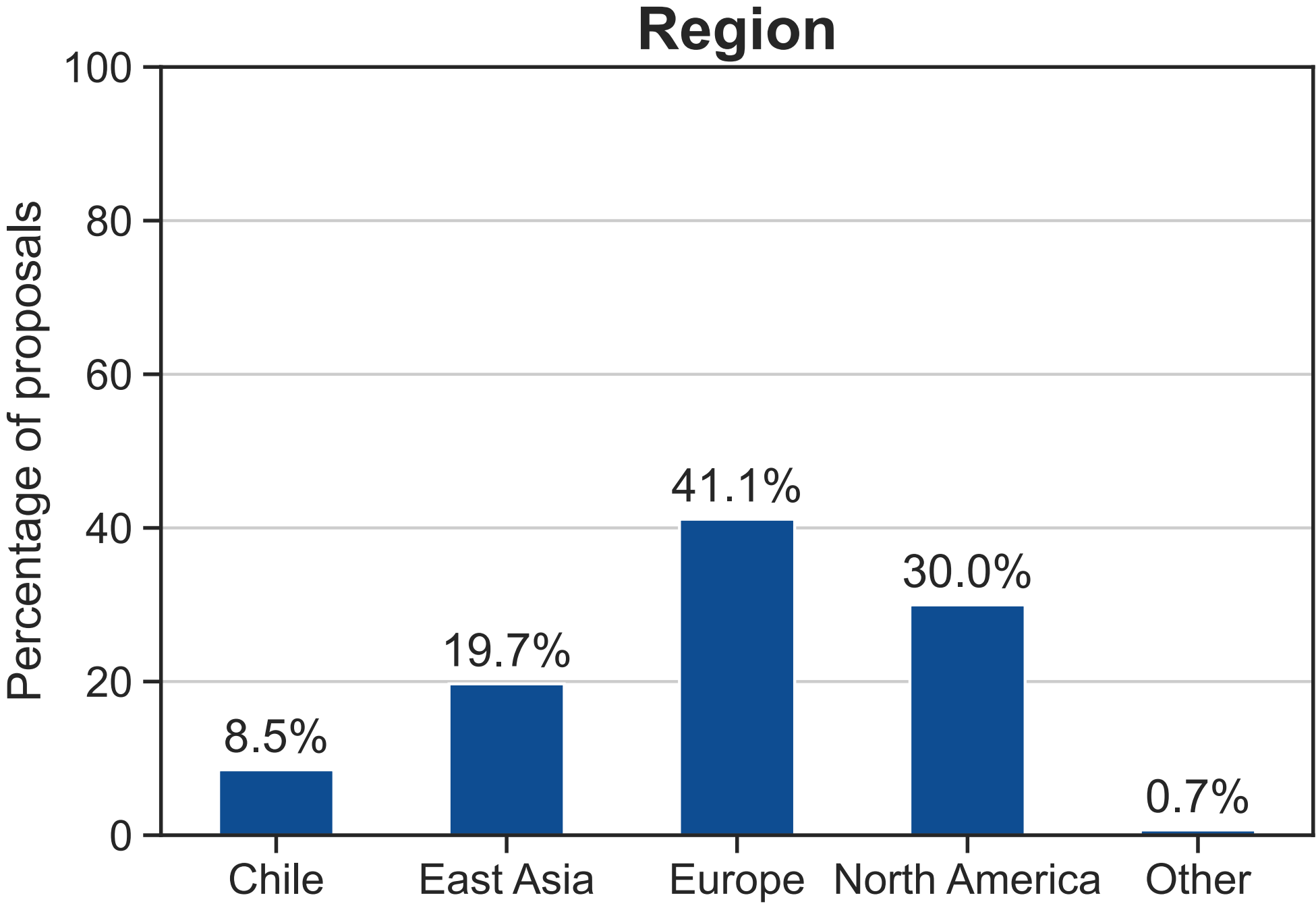


Requested time by region, category, and band: Total Power Array





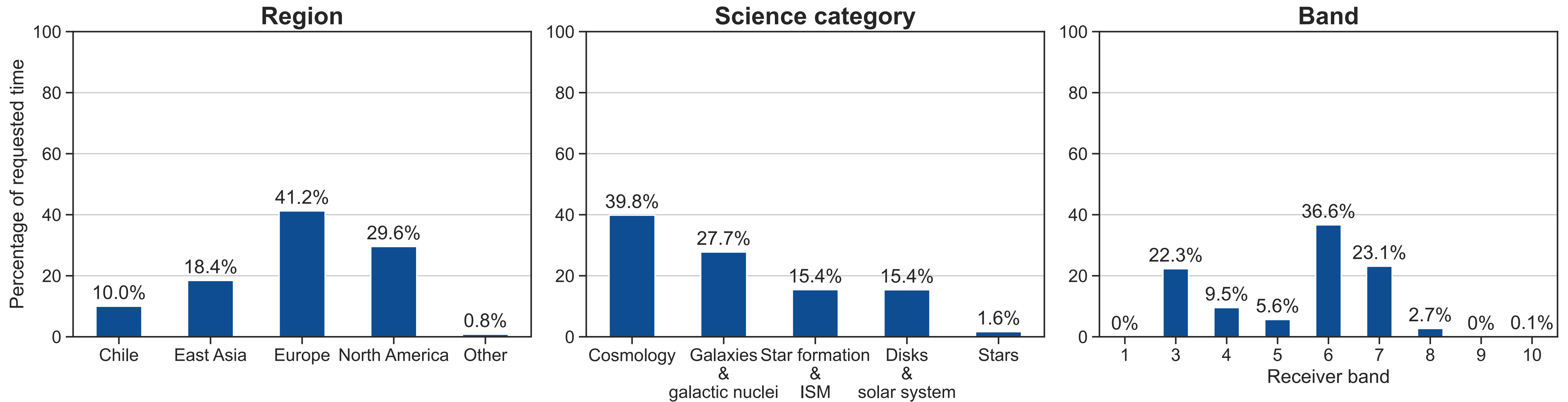
Percentage of Large Programs by region* and category: all arrays



* Percentages by region correspond to the regional affiliation of the Principal Investigator (PI) and co-PIs.

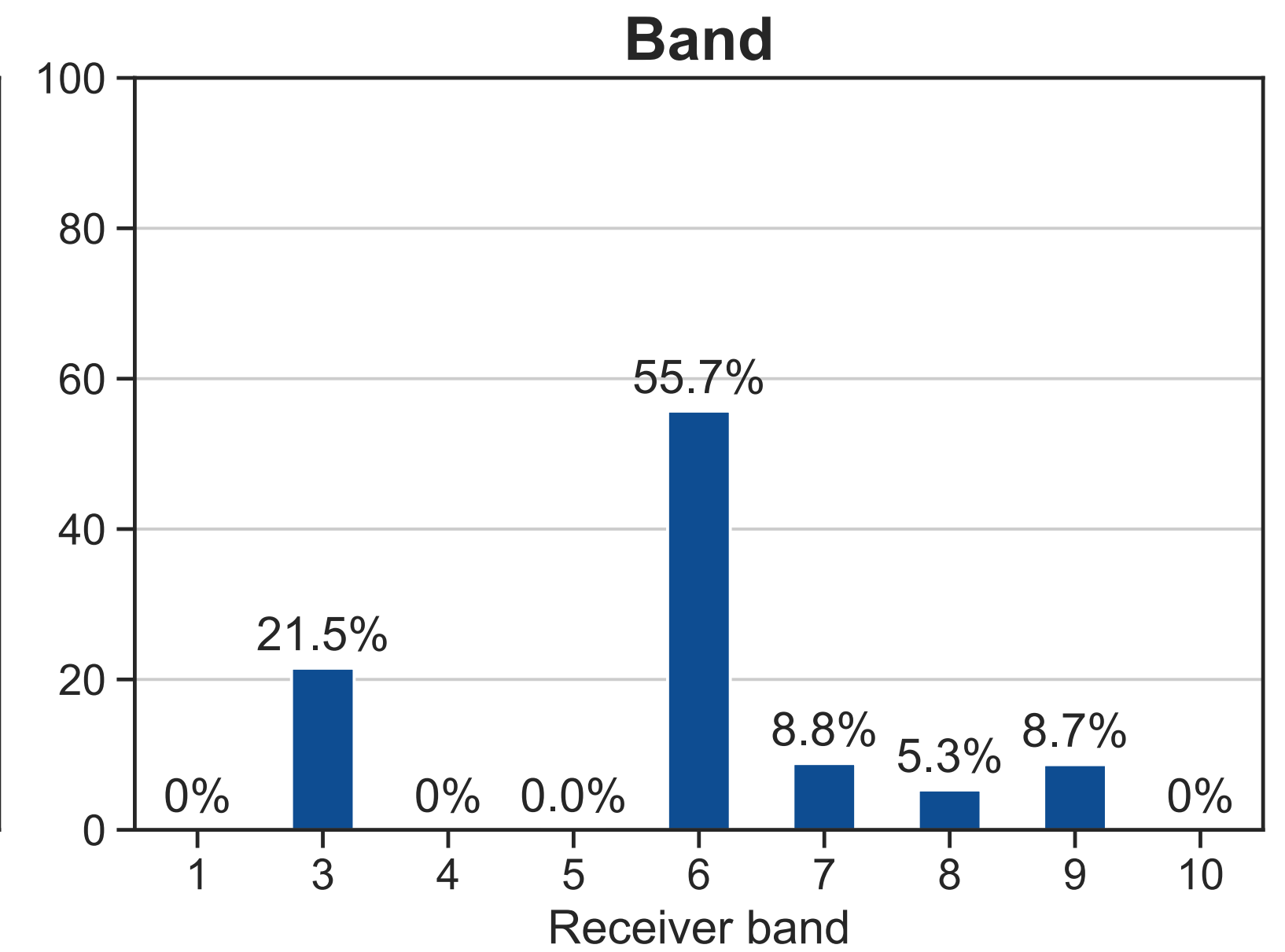
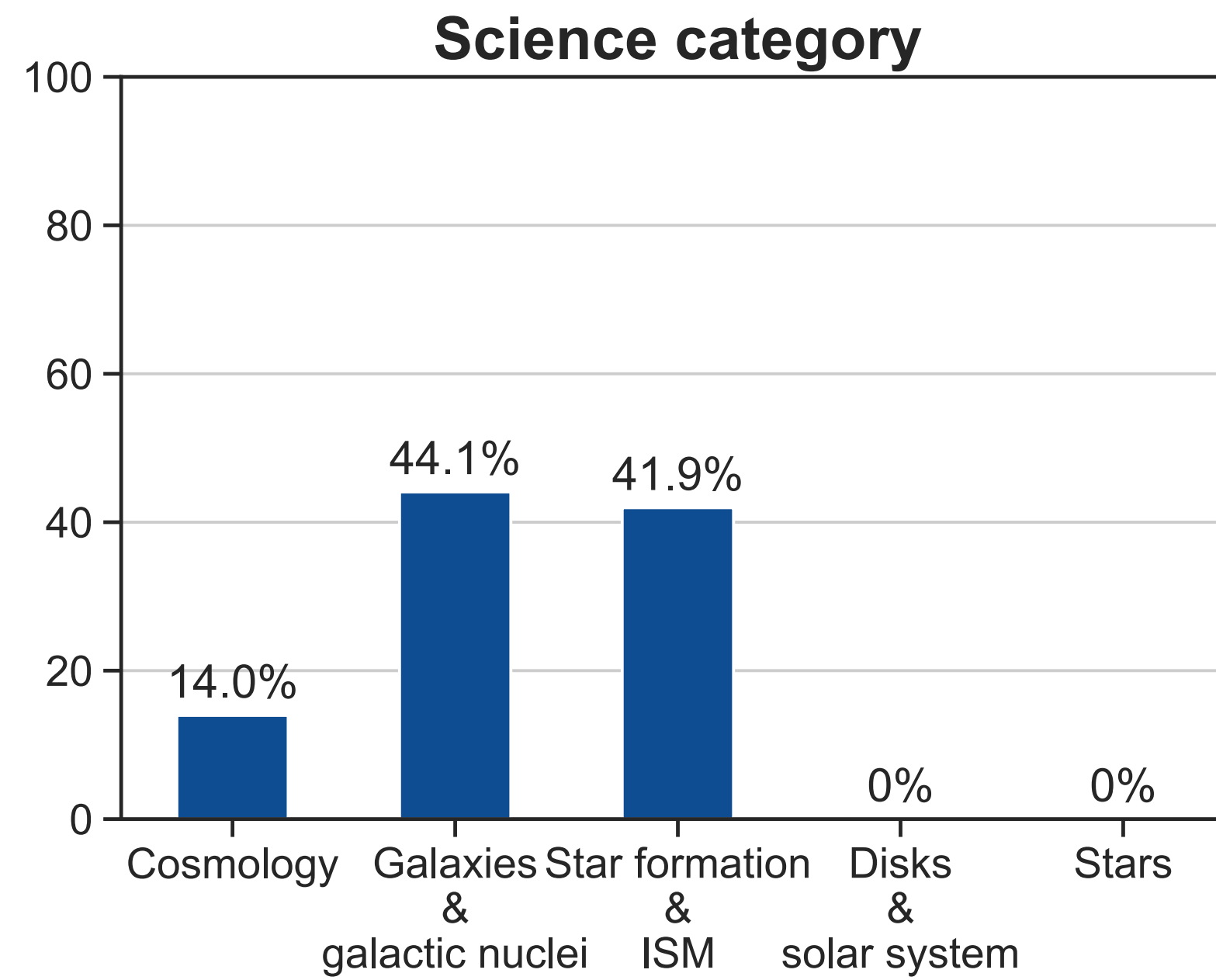
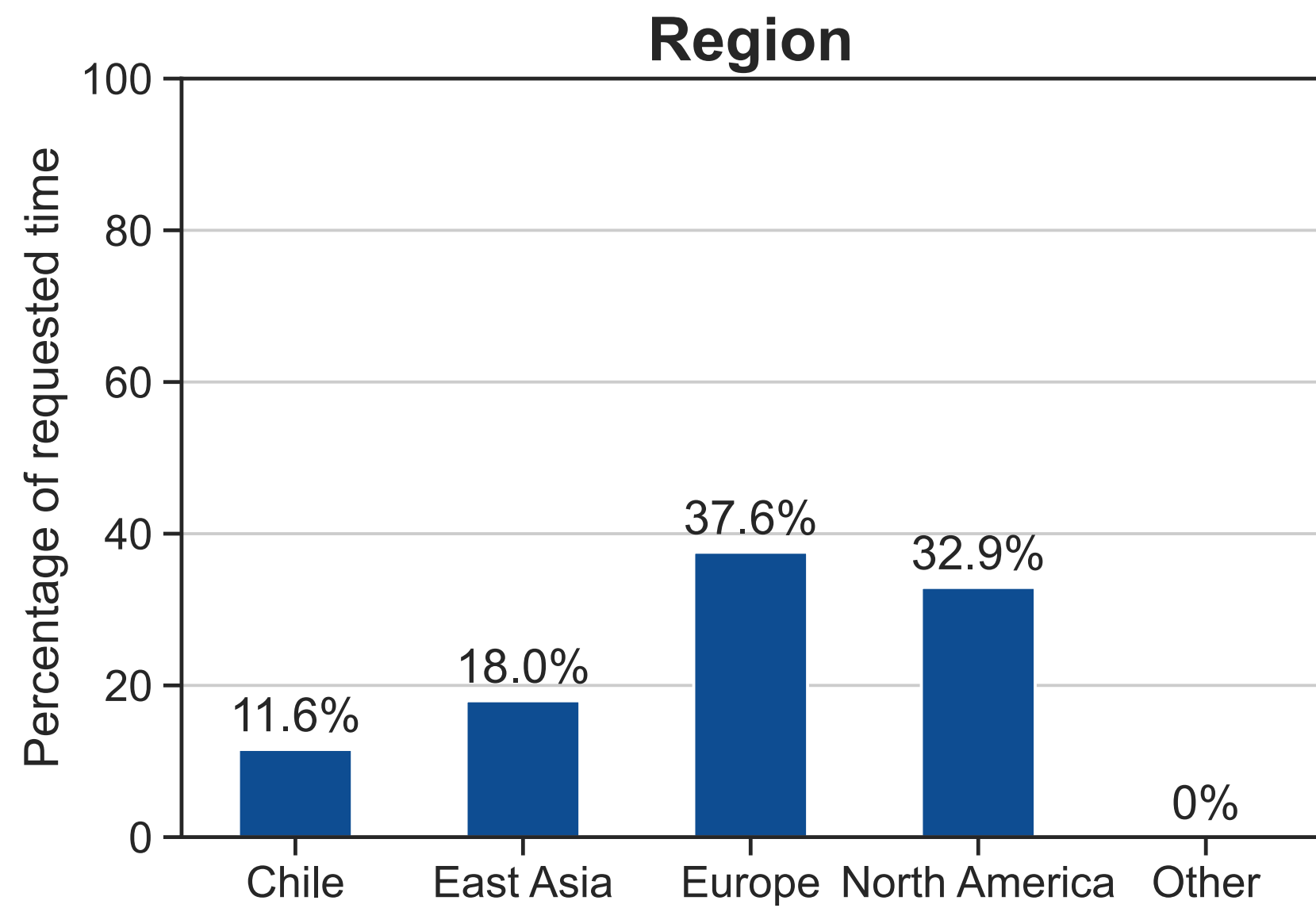


Requested time for Large Programs: 12-m Array



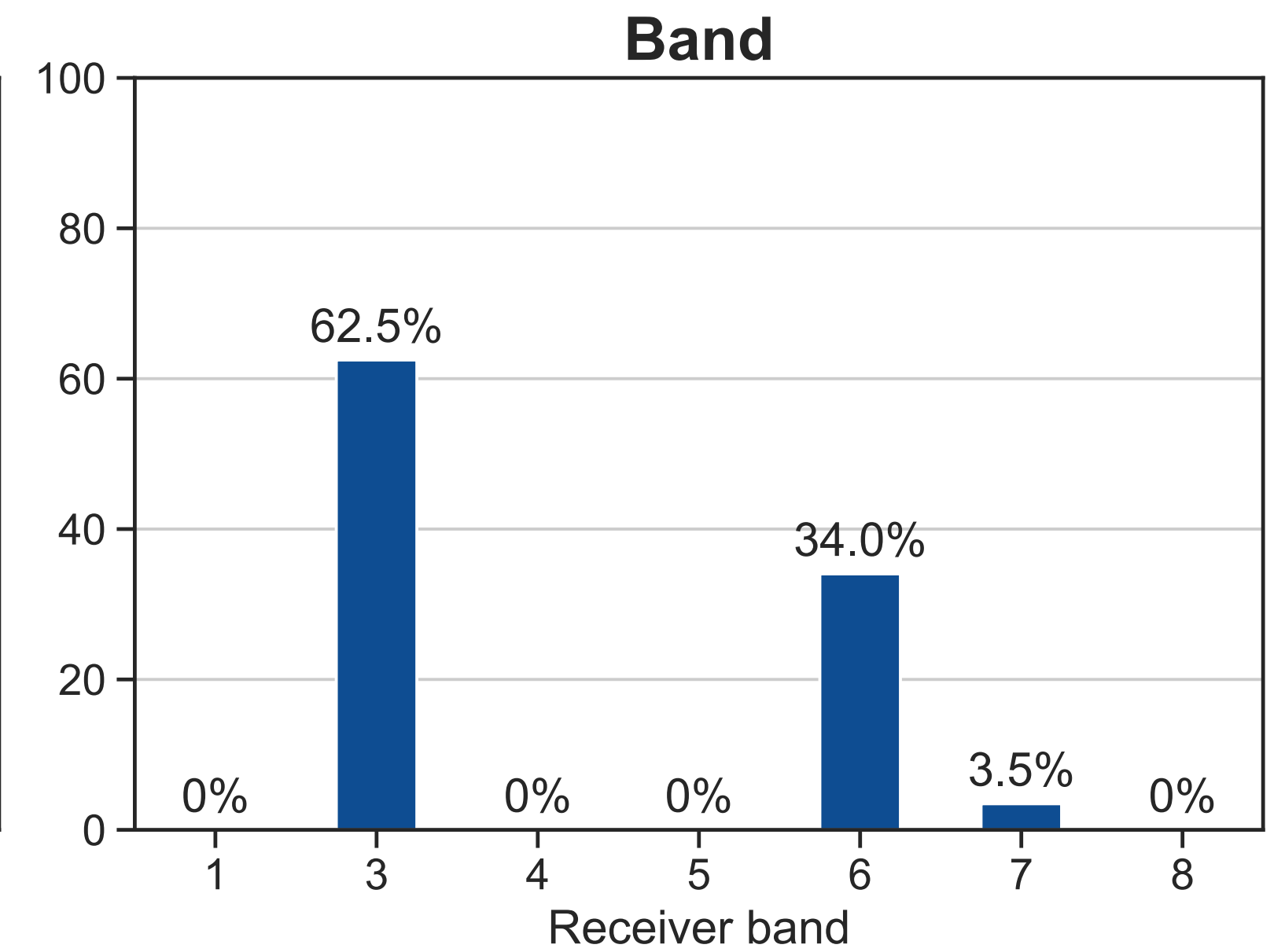
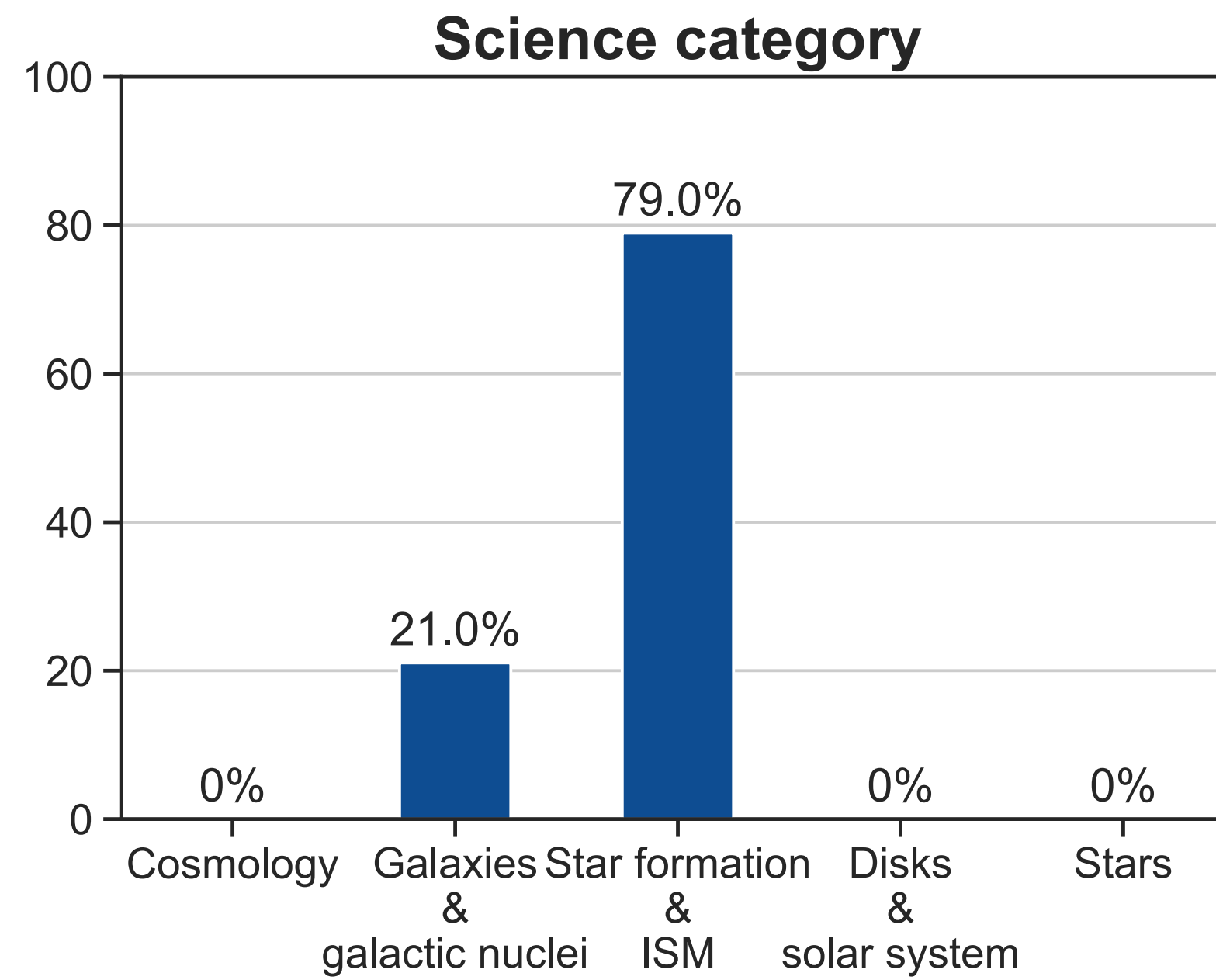
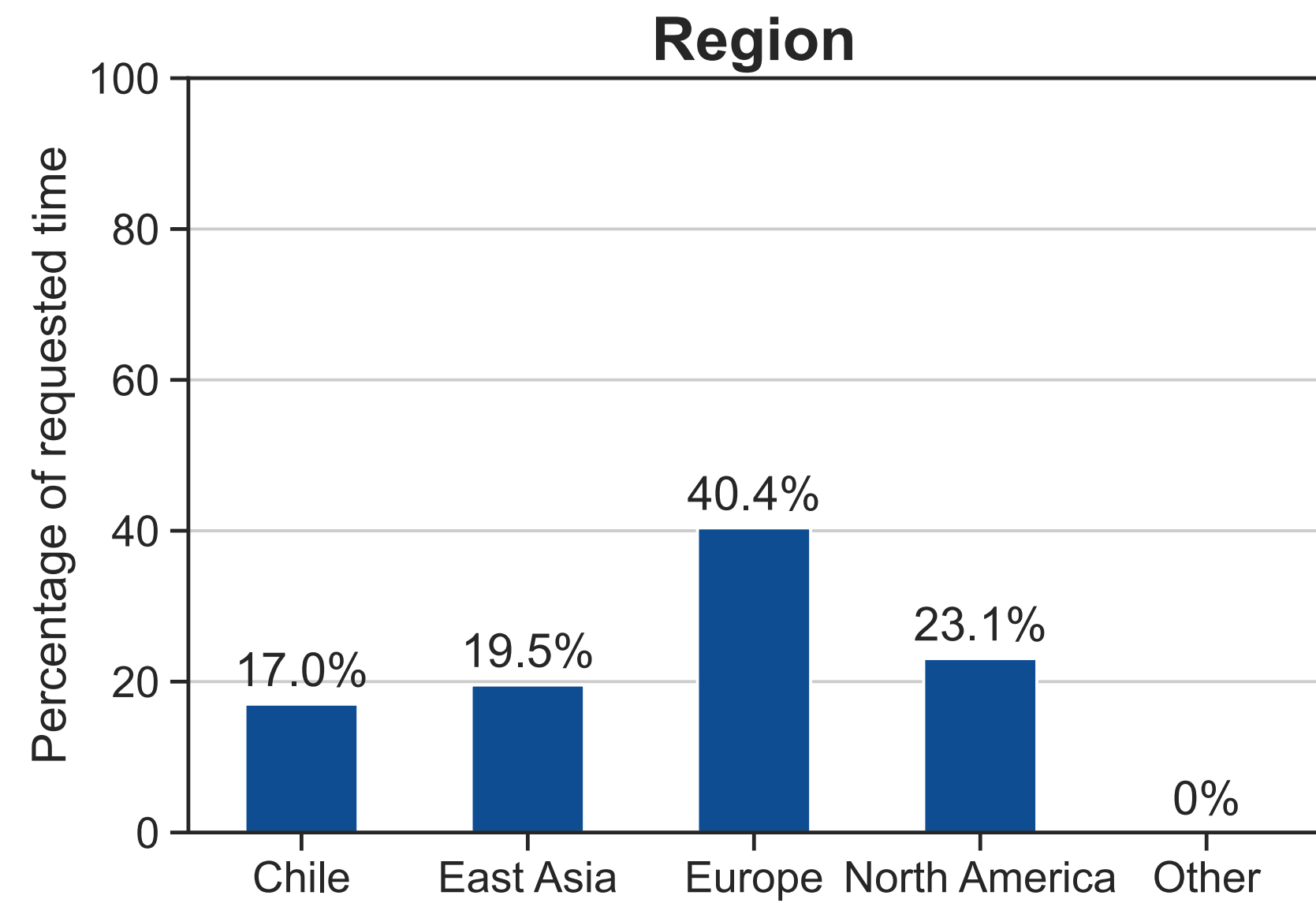


Requested time for Large Programs: 7-m Array



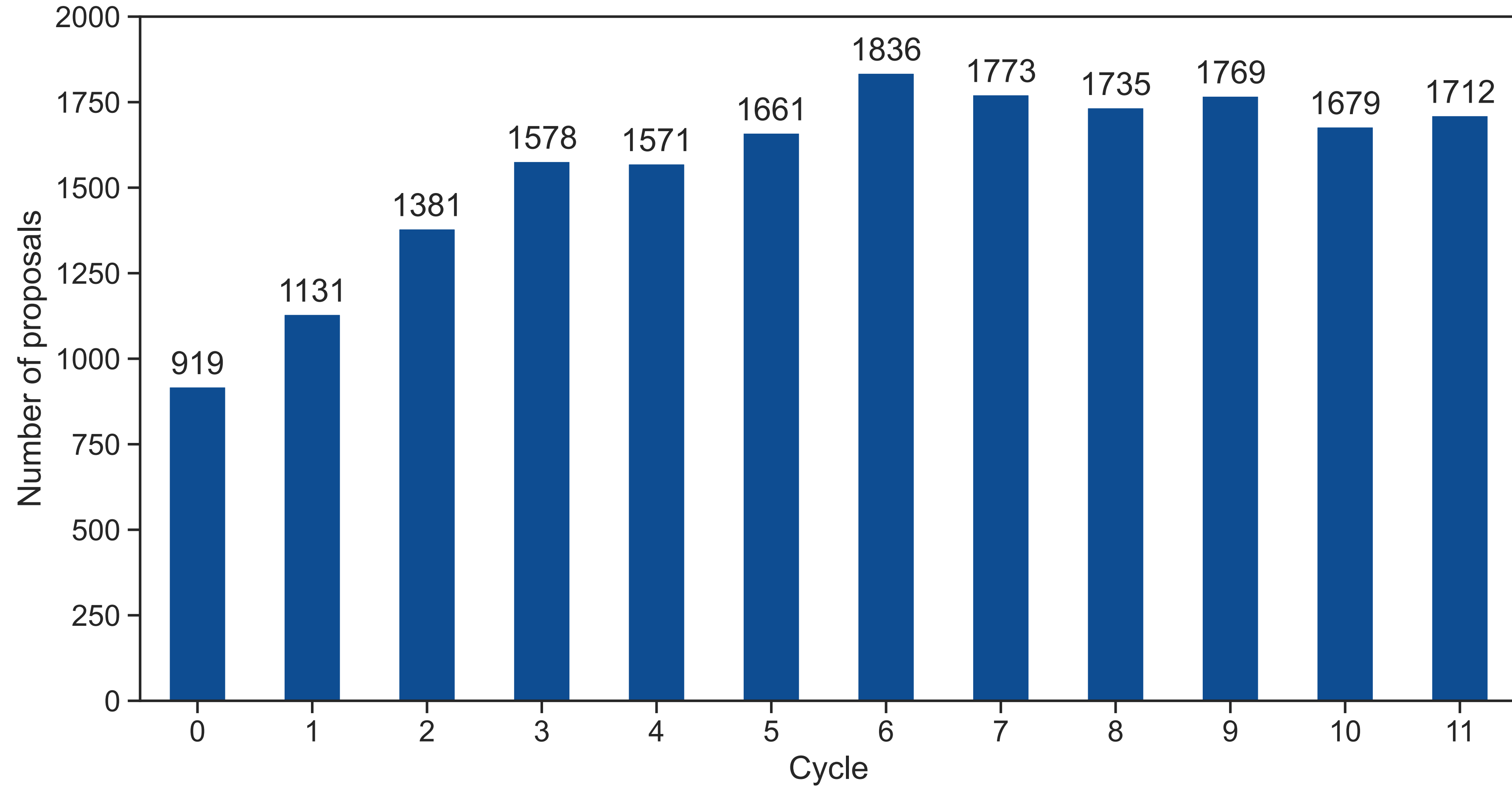


Requested time for Large Programs: Total Power Array



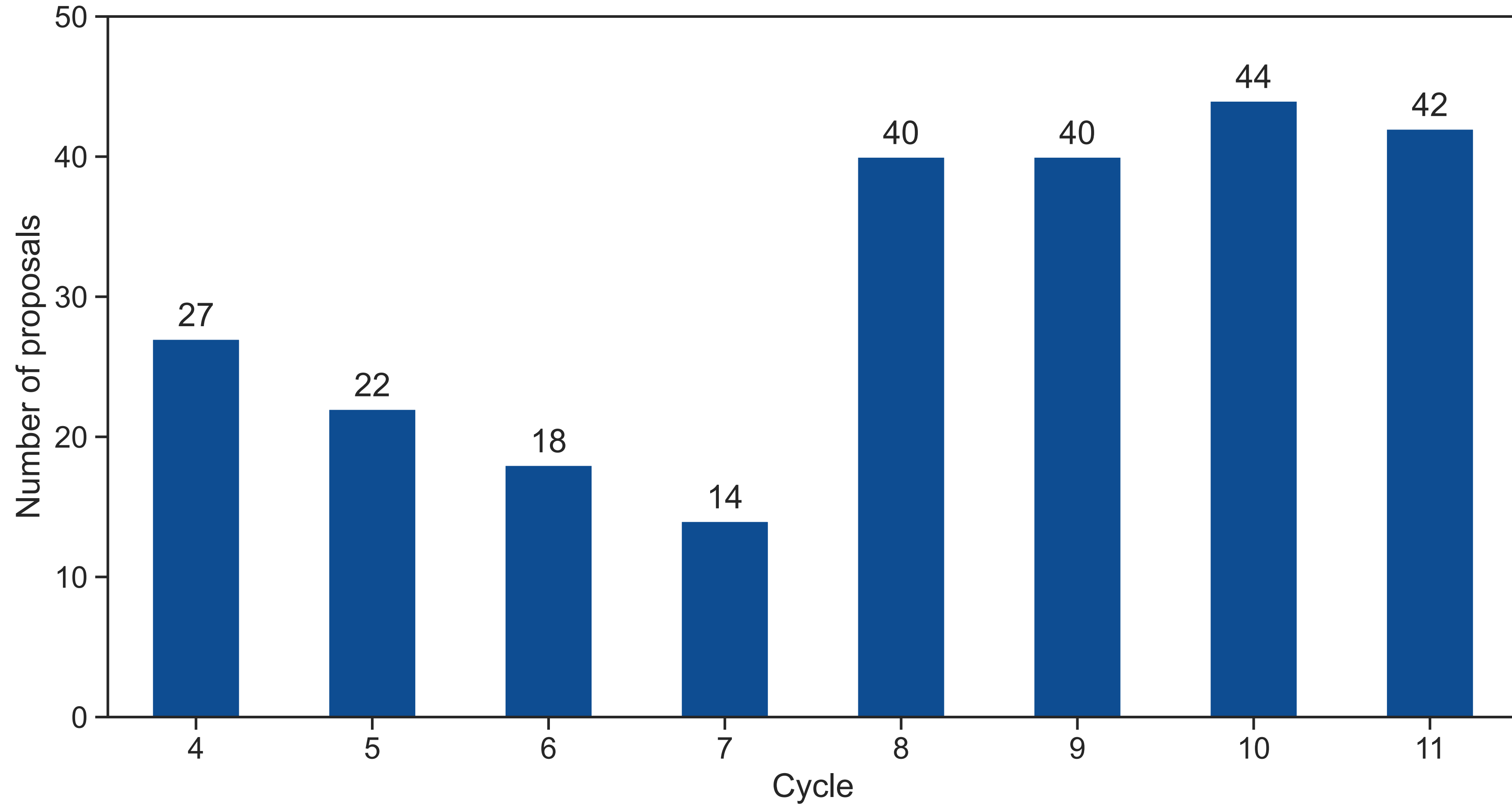


Number of submitted proposals by Cycle



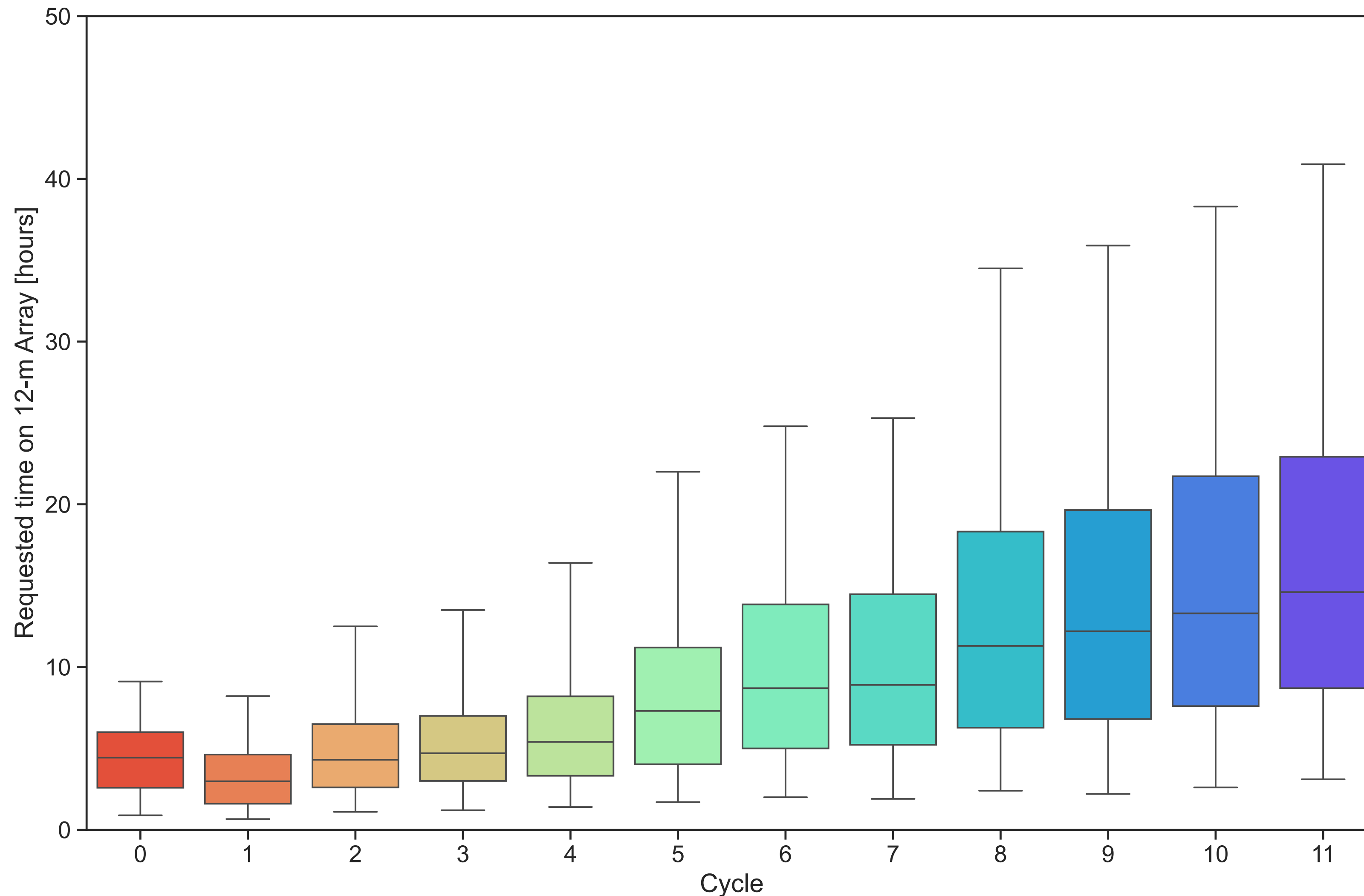


Number of submitted Large Programs by Cycle





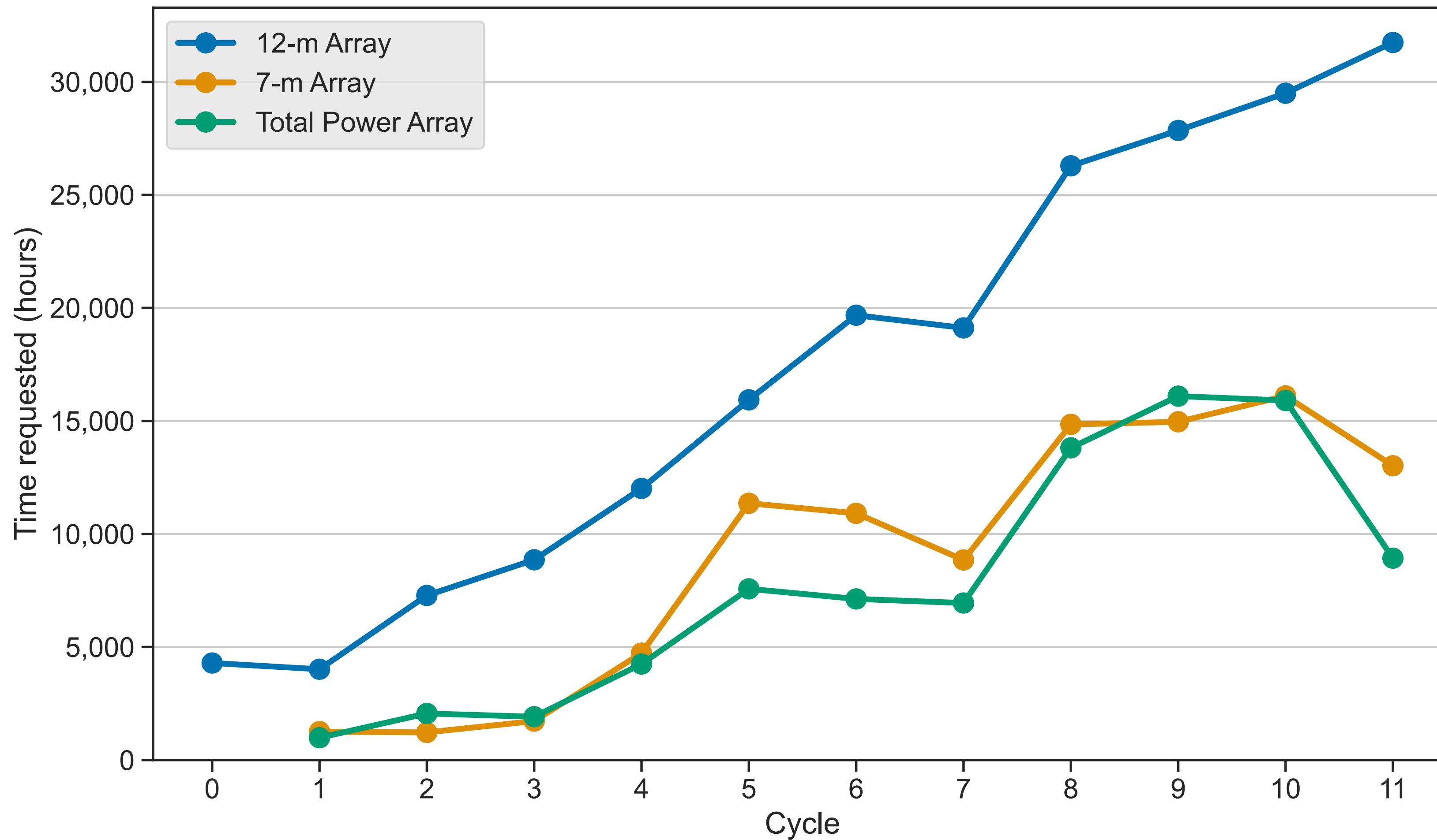
Distribution of time requests on 12-m Array by Cycle



- Each box plot shows:
 - median (horizontal line)
 - 25-75% distribution (box)
 - 5-95% distribution (whiskers)
- Large Programs and standalone ACA proposals are excluded.



Time requested by Cycle

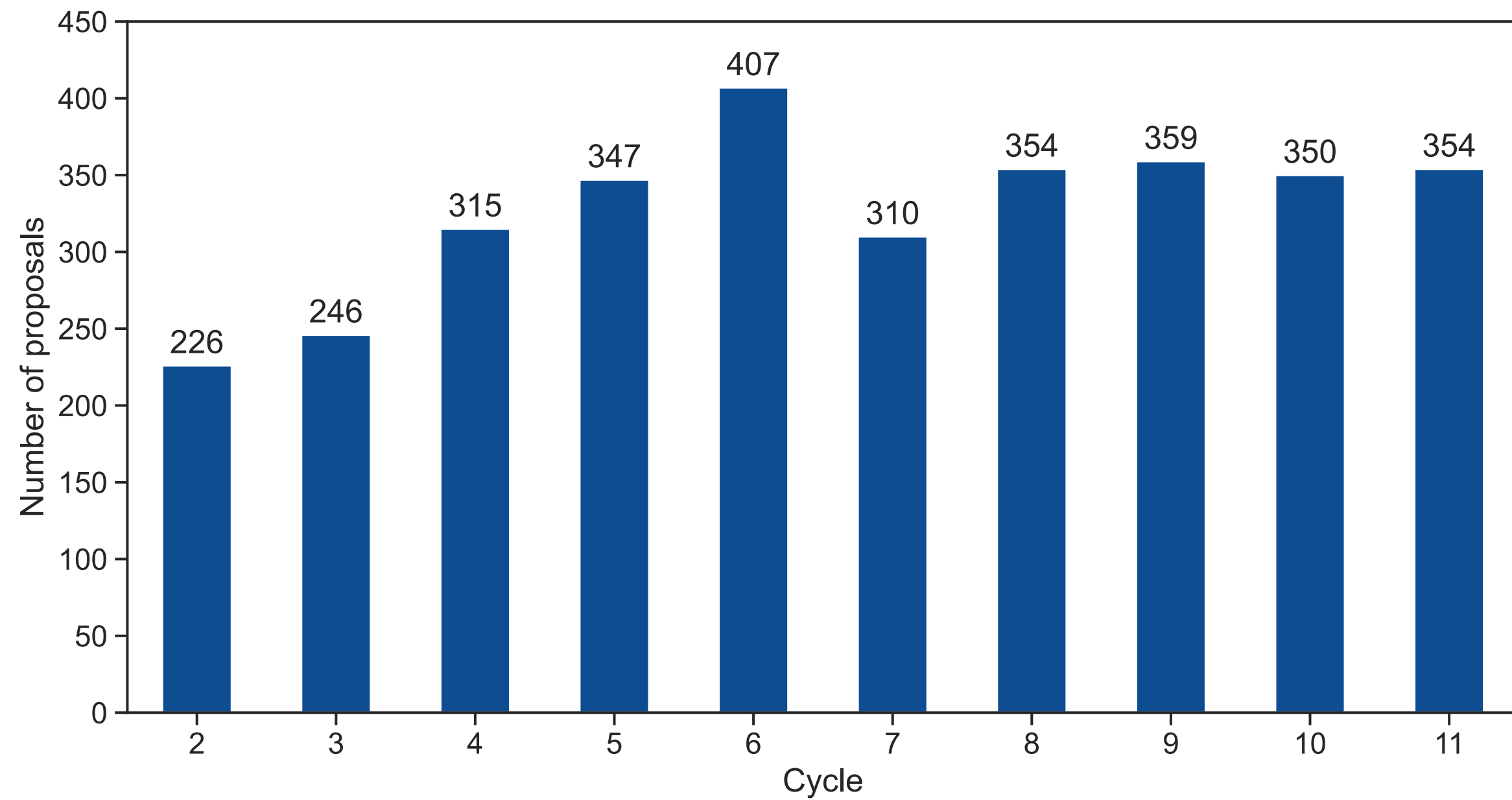


- Continued increase in the amount of requested time on the 12-m Array
- Decrease in the amount of requested time on the 7-m and Total Power Arrays
 - number of proposals is roughly the same in previous cycles (see next slide)
 - main cause is reduced number of proposals request very large amounts of time

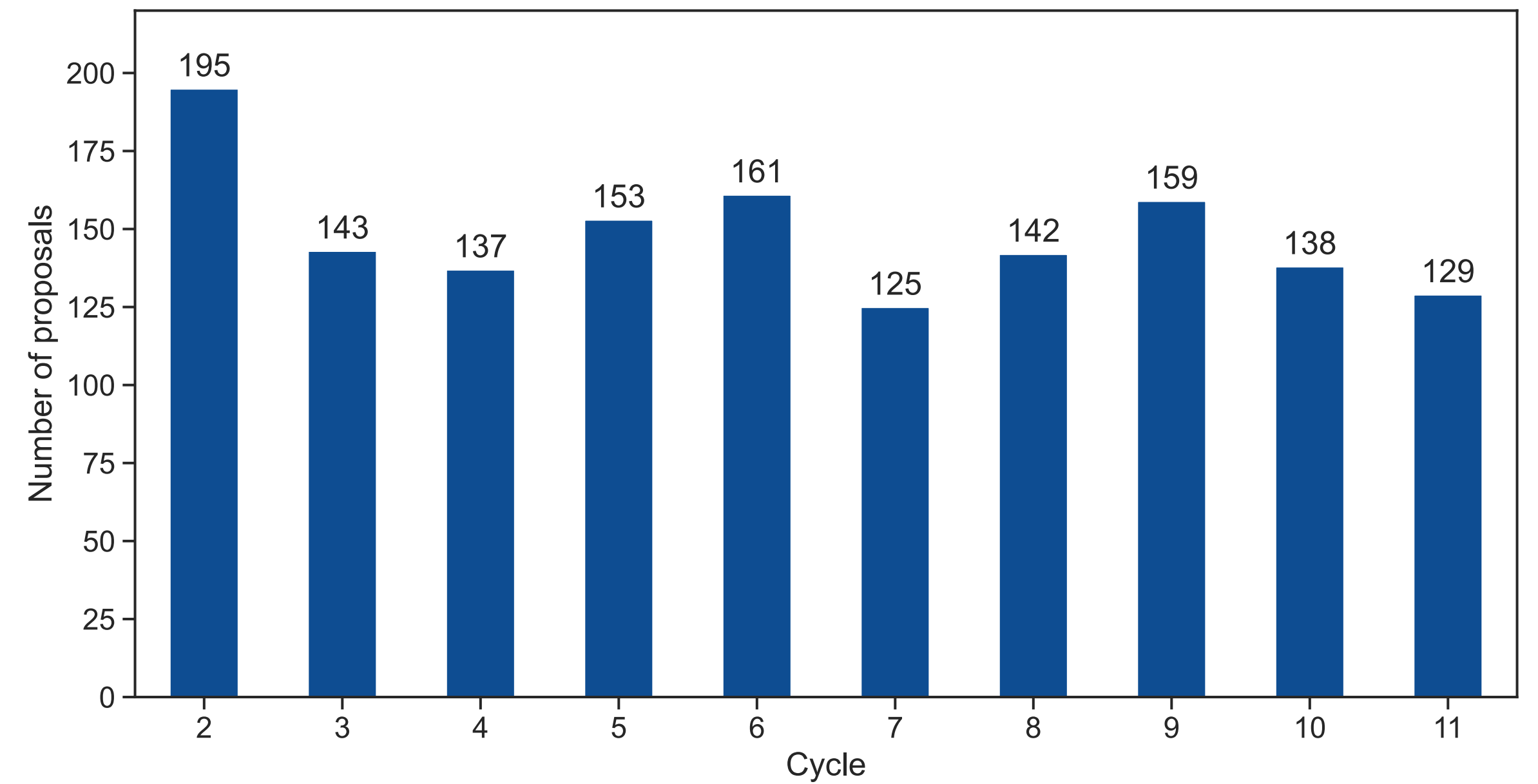


Number of 7-m and Total Power Proposals by Cycle

7-m Array



Total Power Array





Oversubscription rate on 12-m Array by Cycle

