



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



Cycle 9 Proposal Submission Statistics

Joint ALMA Observatory

May 30, 2022





Number of submitted proposals and time requested



	Number of proposals	Time requested (hours)		
		12-m	7-m	Total Power
All proposals	1769	27,912	14,962	16,096
ACA standalone	109	-	4099	3050
Large Programs	40	4349	2696	3612



Time requested on the 12-m Array



	All	Chile	East Asia	Europe	North America	Other
Time requested (hours)	27,912	1590	5652	11,032	8939	699
Offered	4300	430	968	1451	1451	see note
Subscription	6.5	3.7	5.8	7.6	6.2	N/A

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



Time requested by region

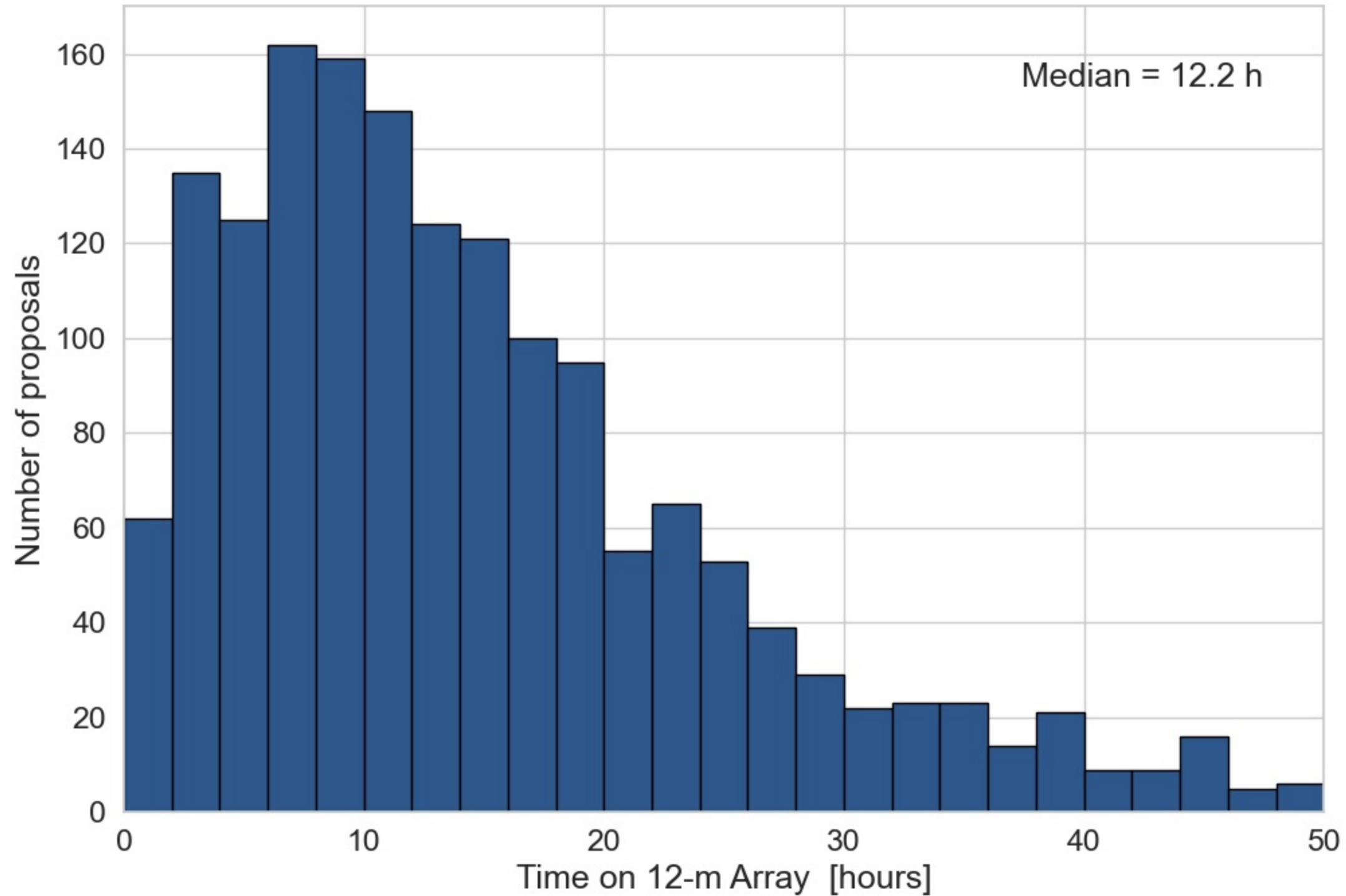


	All	Chile	East Asia	Europe	North America	Other
12-m Array time (hours)	27,912	1590	5652	11,032	8939	699
Offered	4300	430	968	1451	1451	see note
Subscription	6.5	3.7	5.8	7.6	6.2	N/A
7-m Array time (hours)	14,962	605	4084	4822	5234	217
Total Power Array time (hours)	16,096	637	3980	3869	7582	28

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



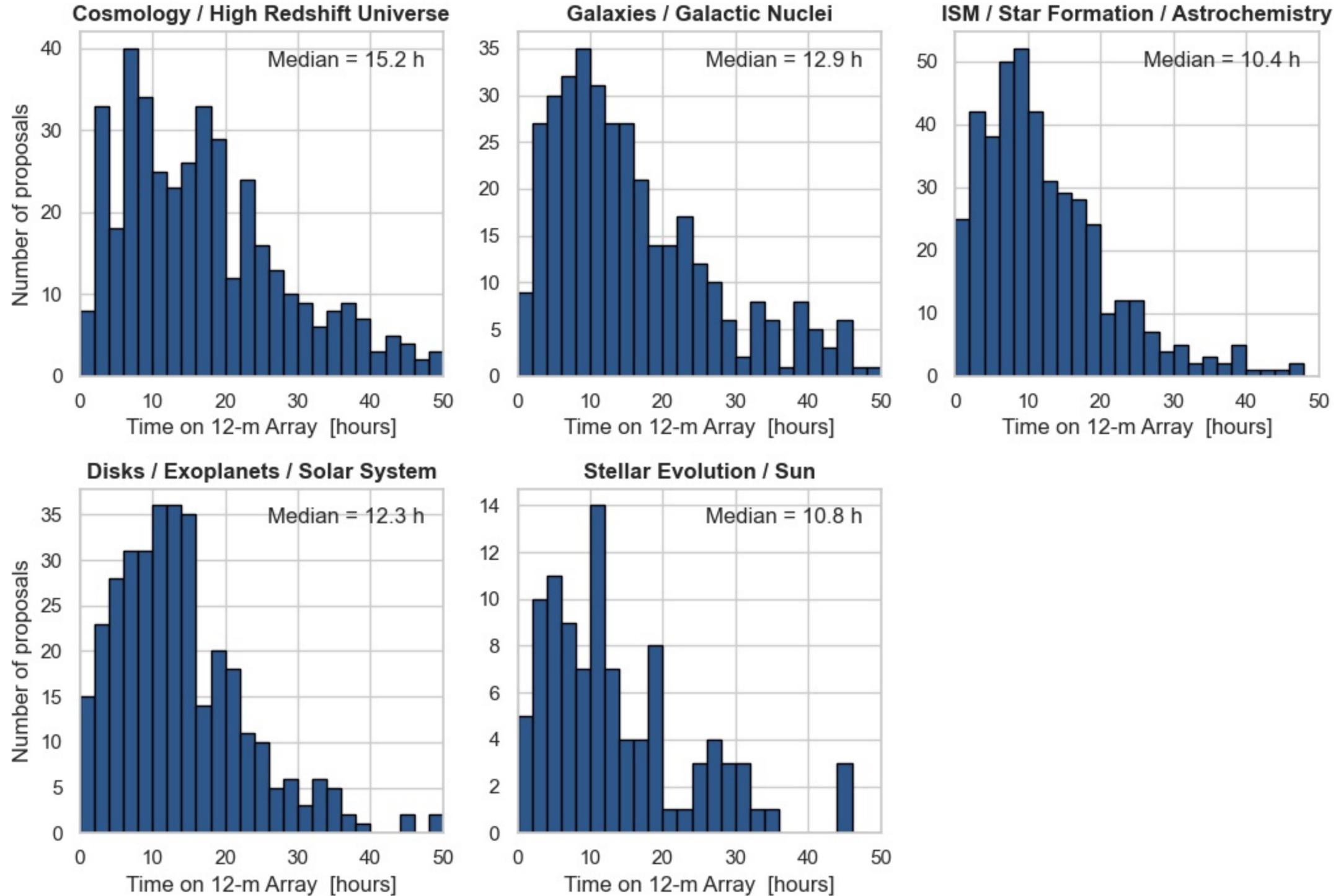
Requested 12-m Array Time per Proposal*



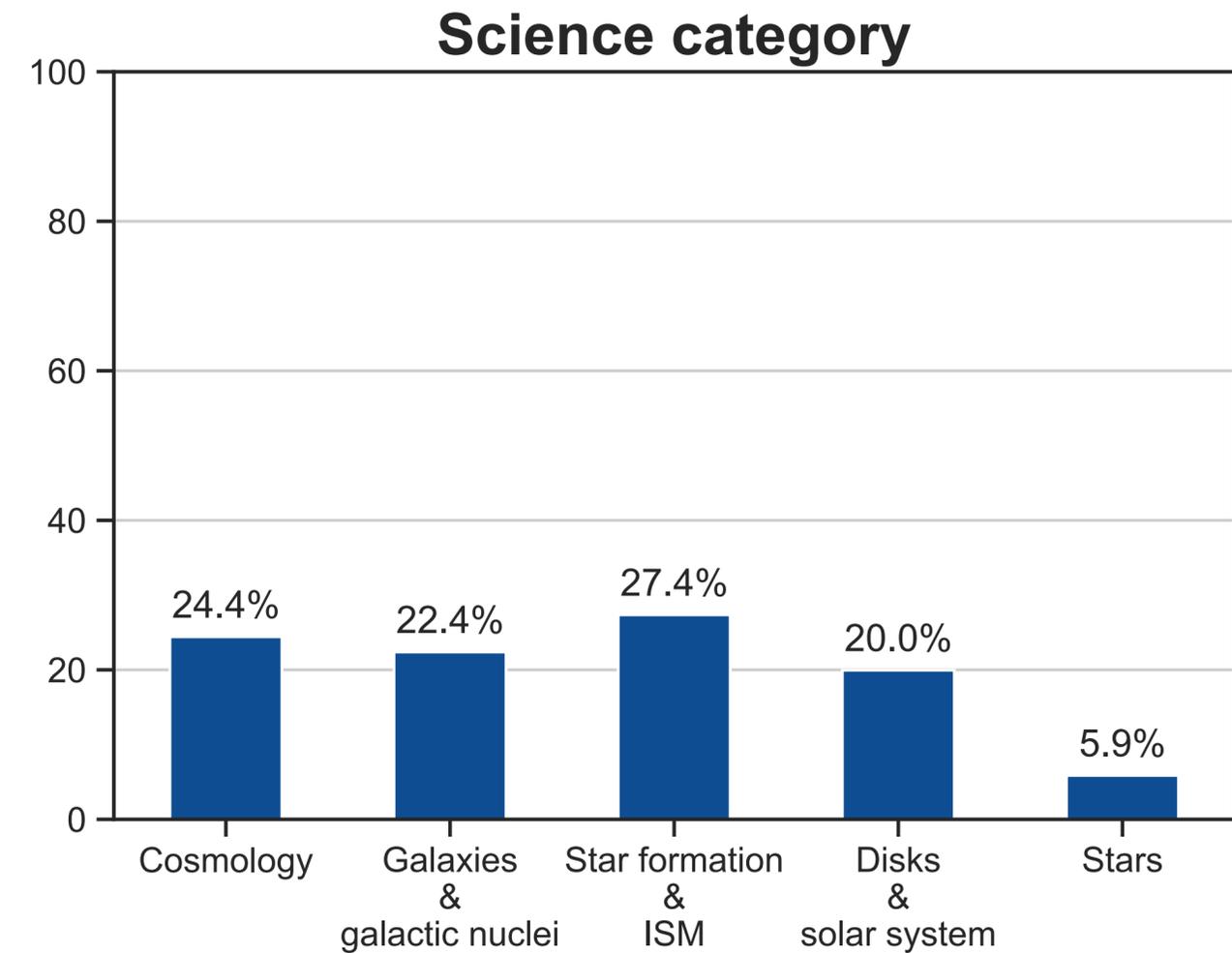
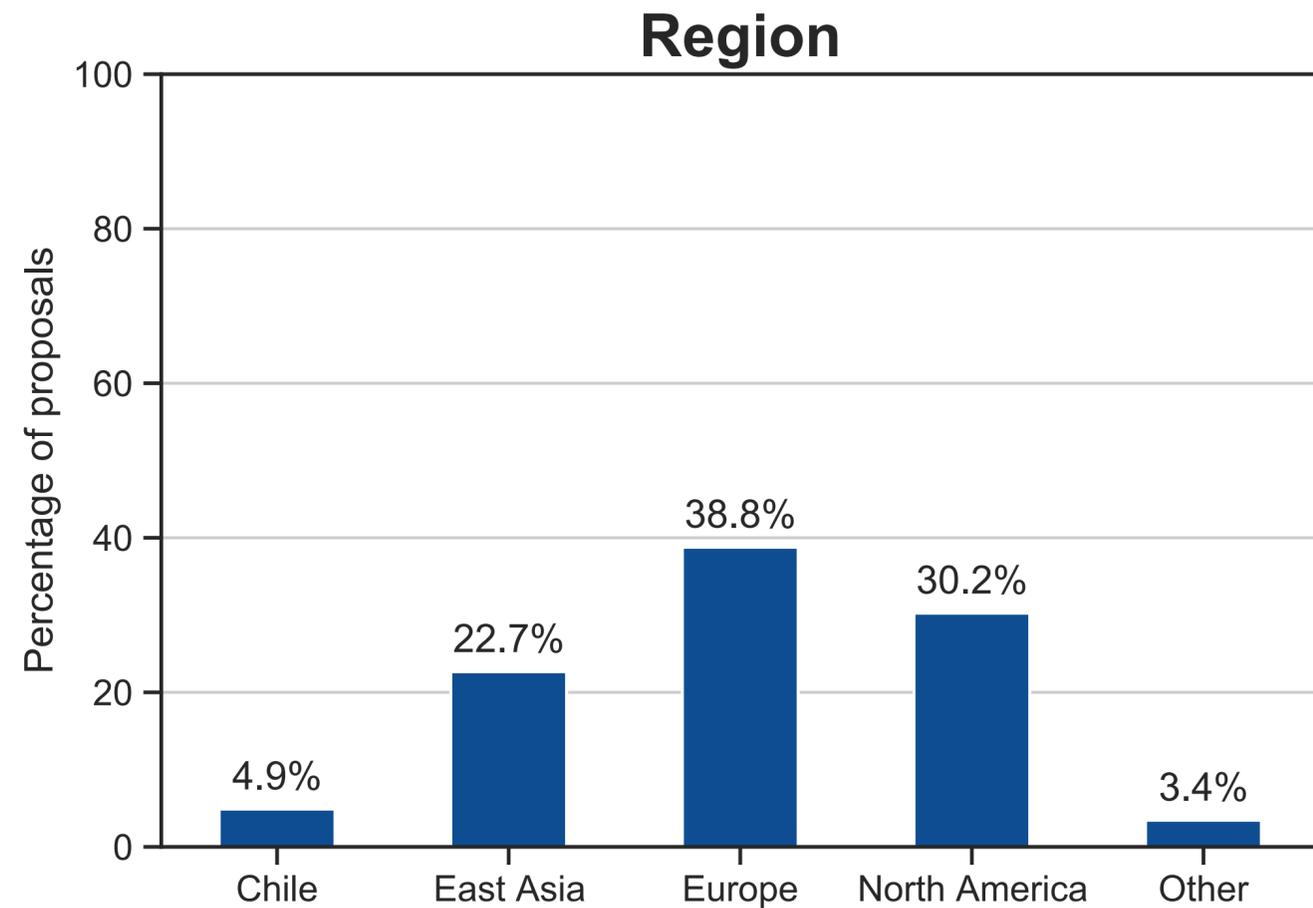
*Excluding Large Programs



Requested 12-m Array Time by Science Category*



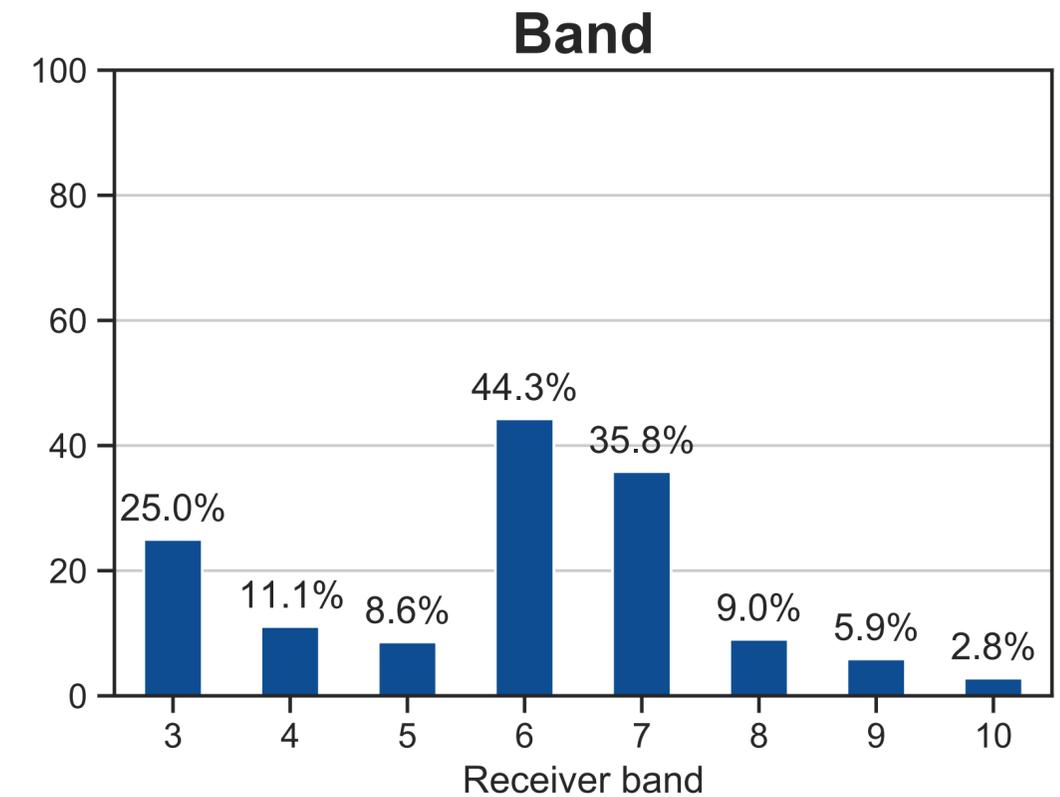
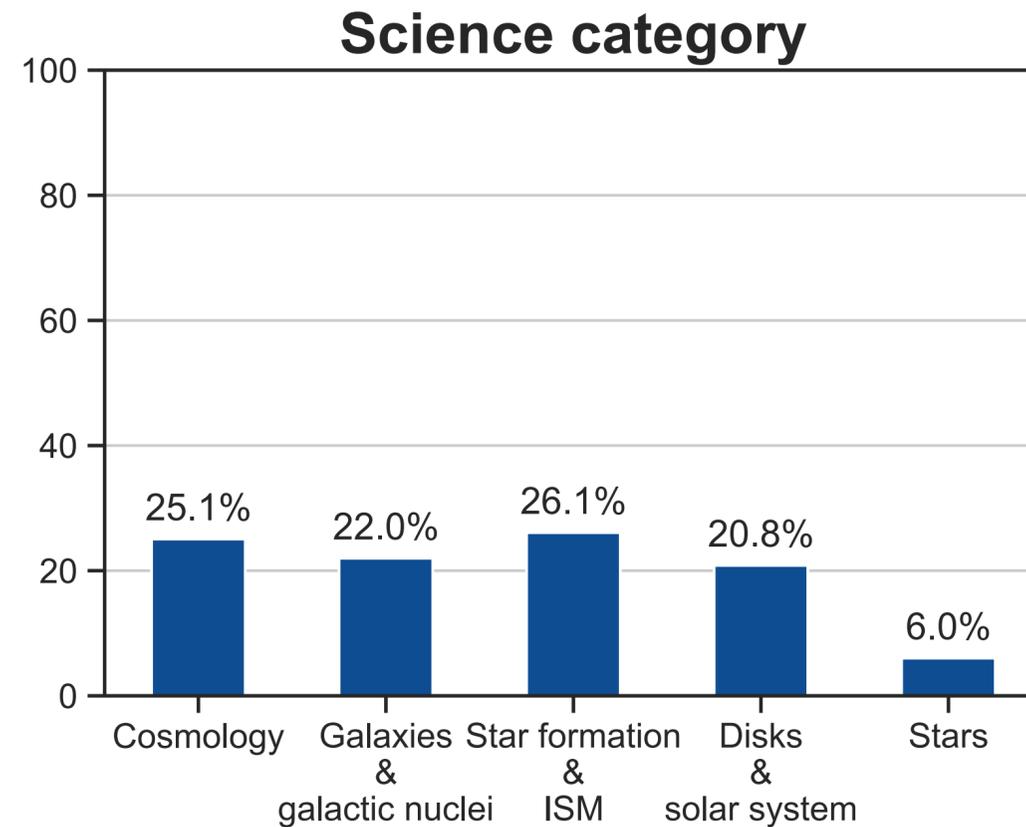
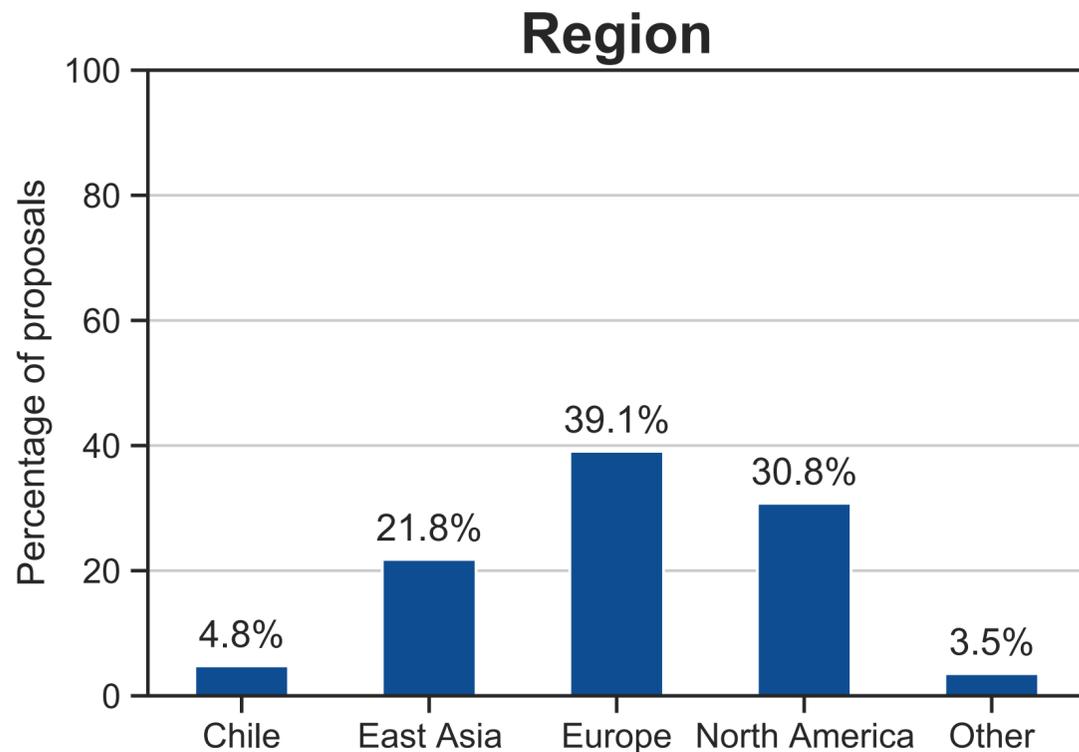
*Excluding Large Programs



* 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



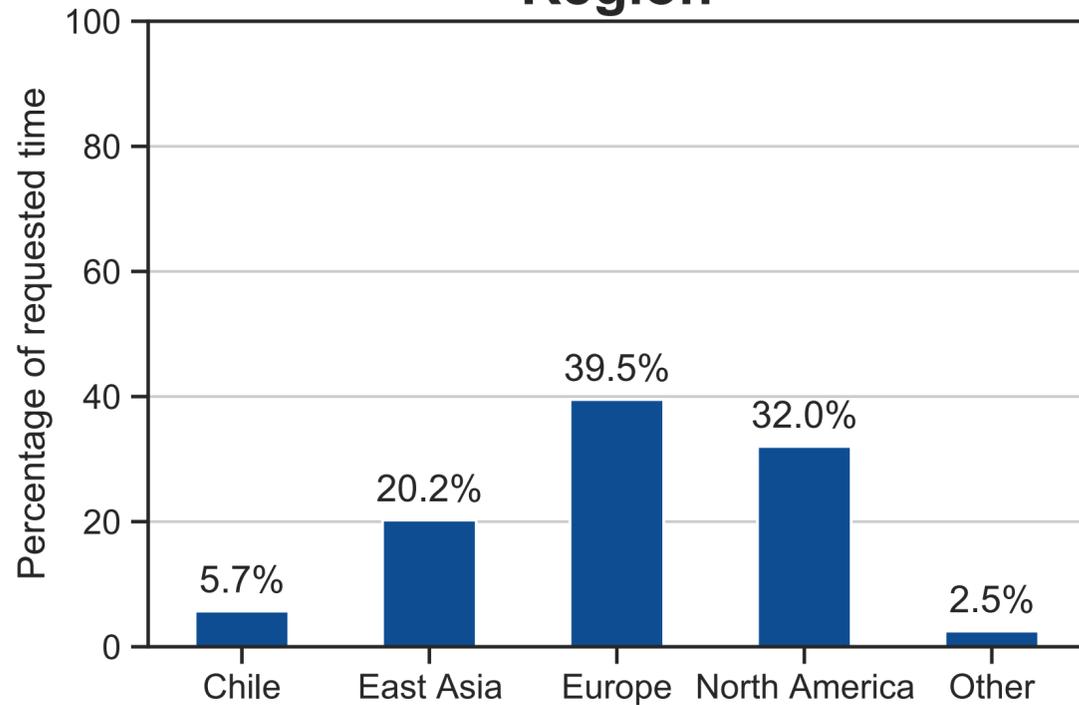
- Results are for the 1660 proposals requesting the 12-m Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.



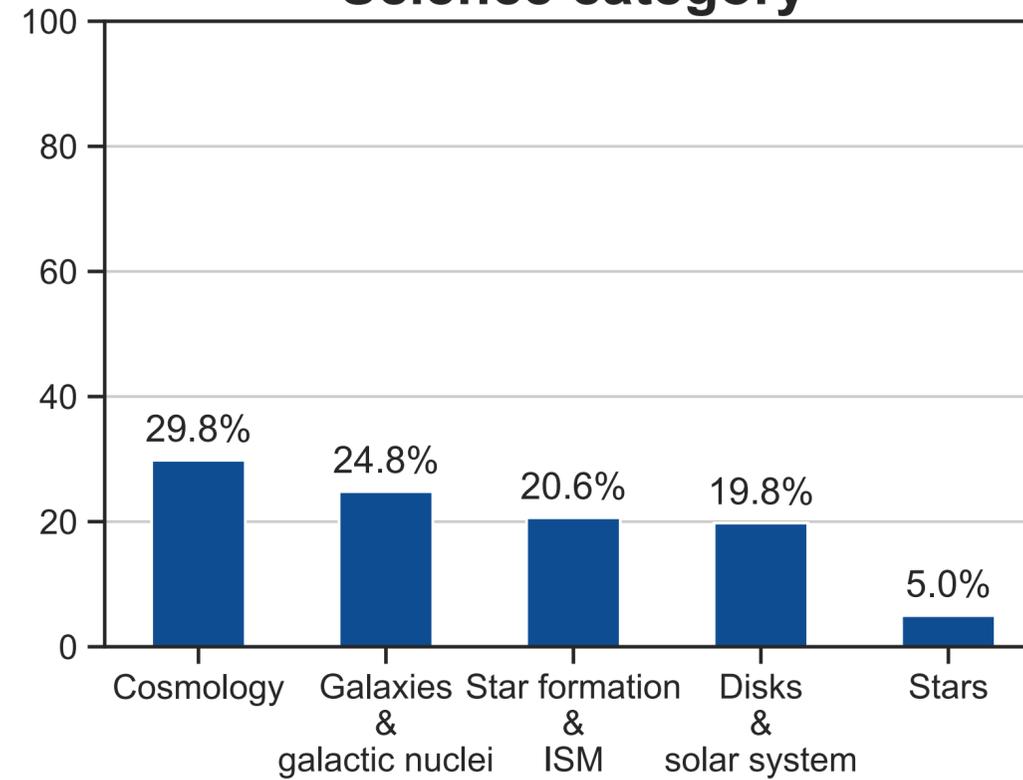
Requested time by region, category, and band: 12-m Array



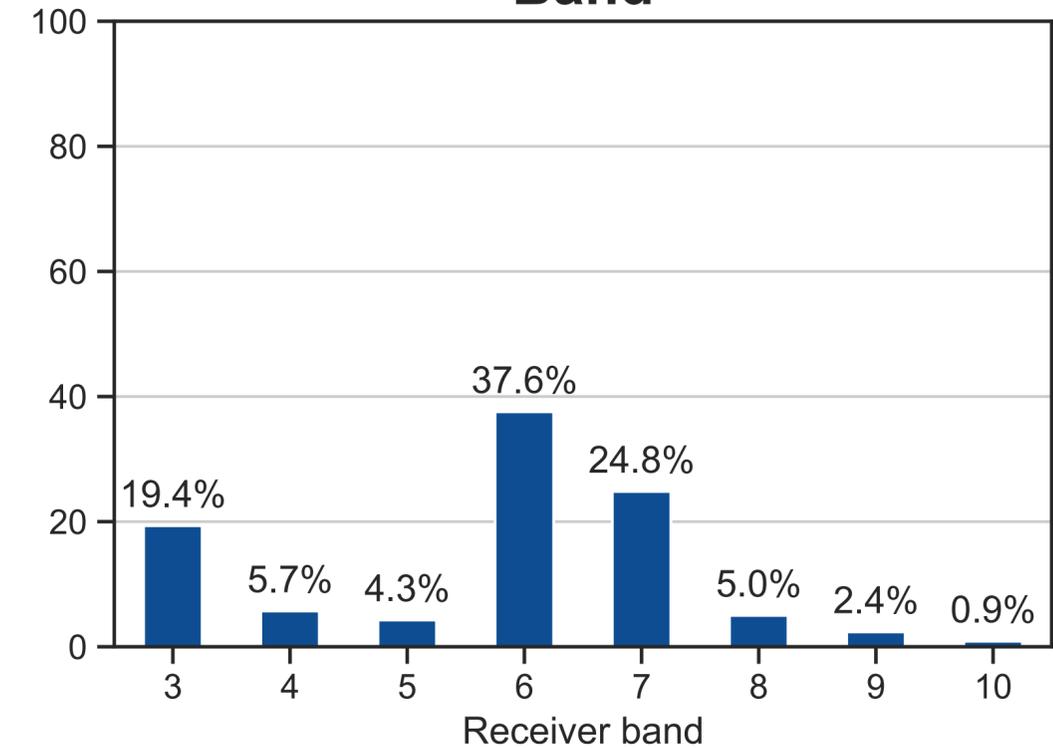
Region



Science category

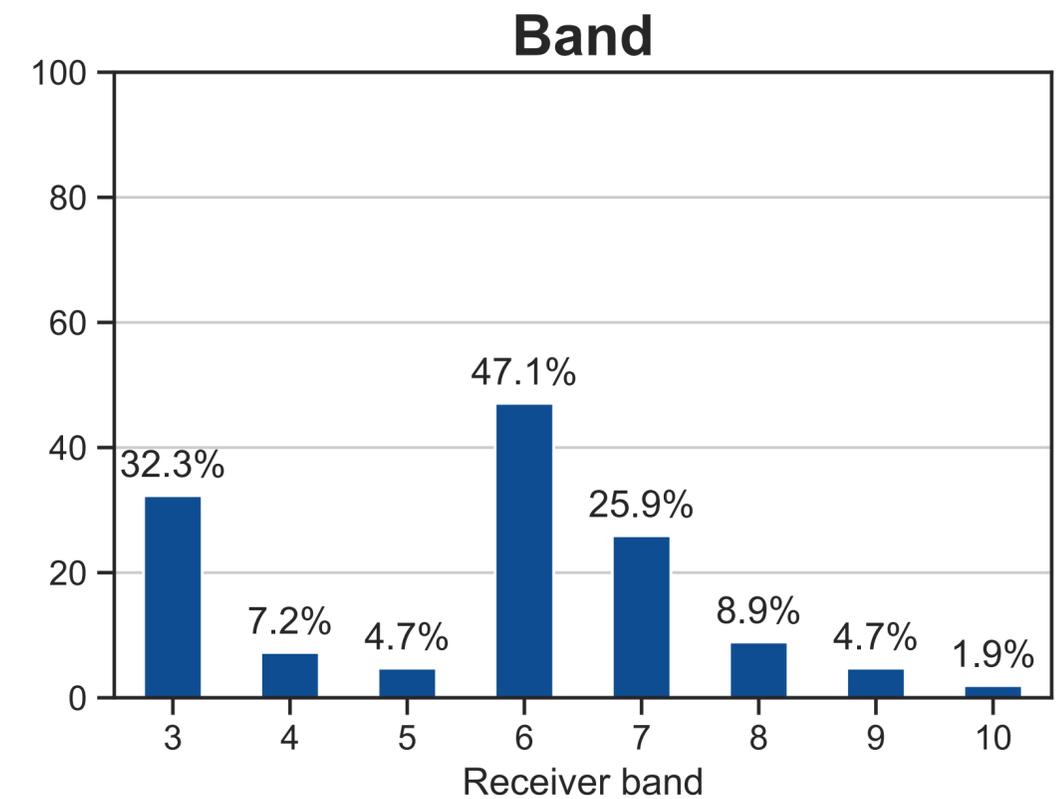
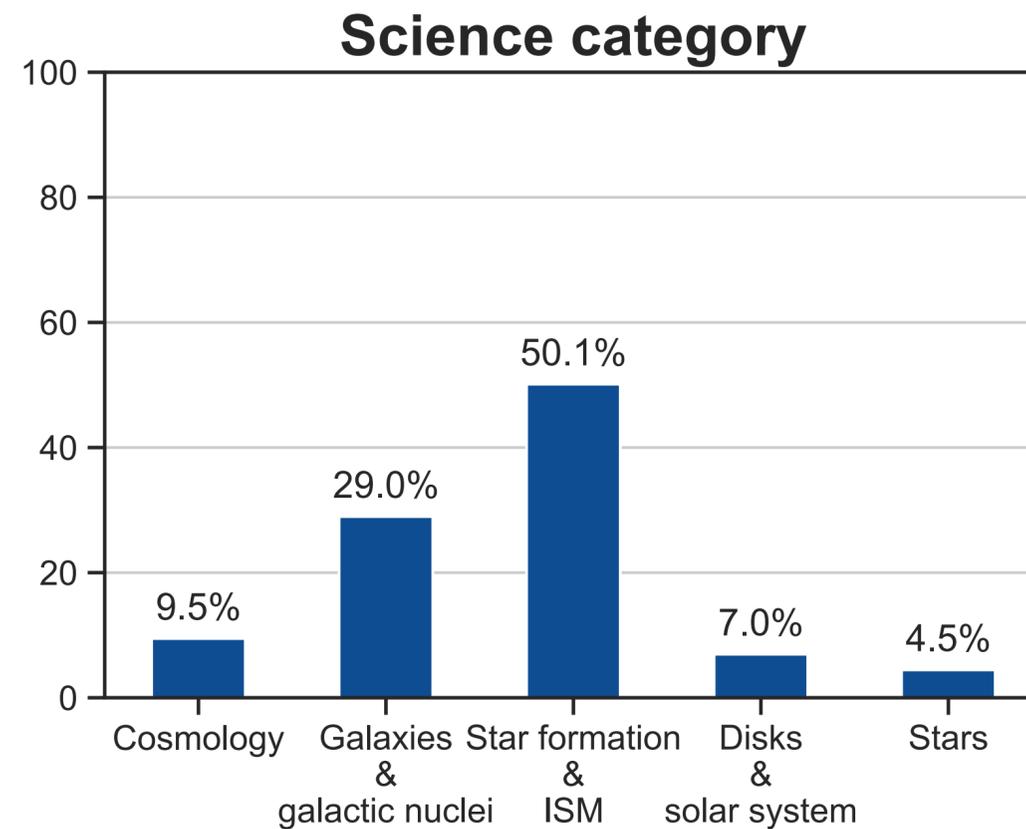
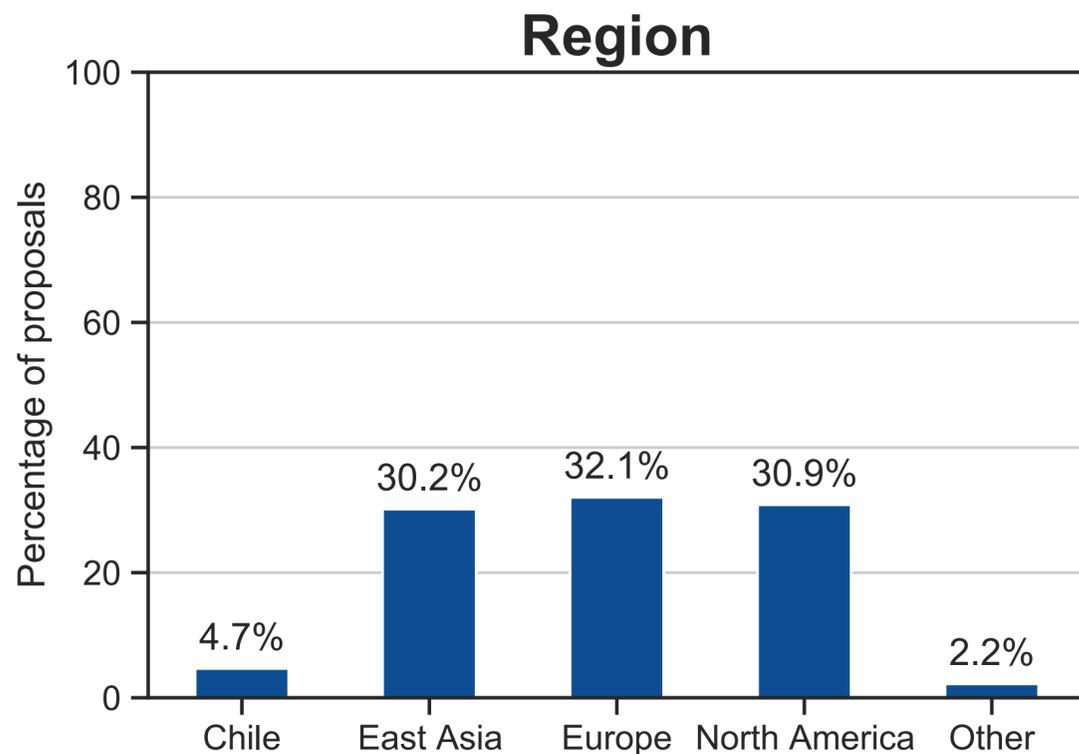
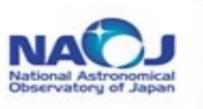


Band





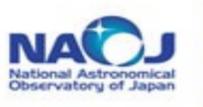
Number of proposals by region, category, and band: 7-m Array



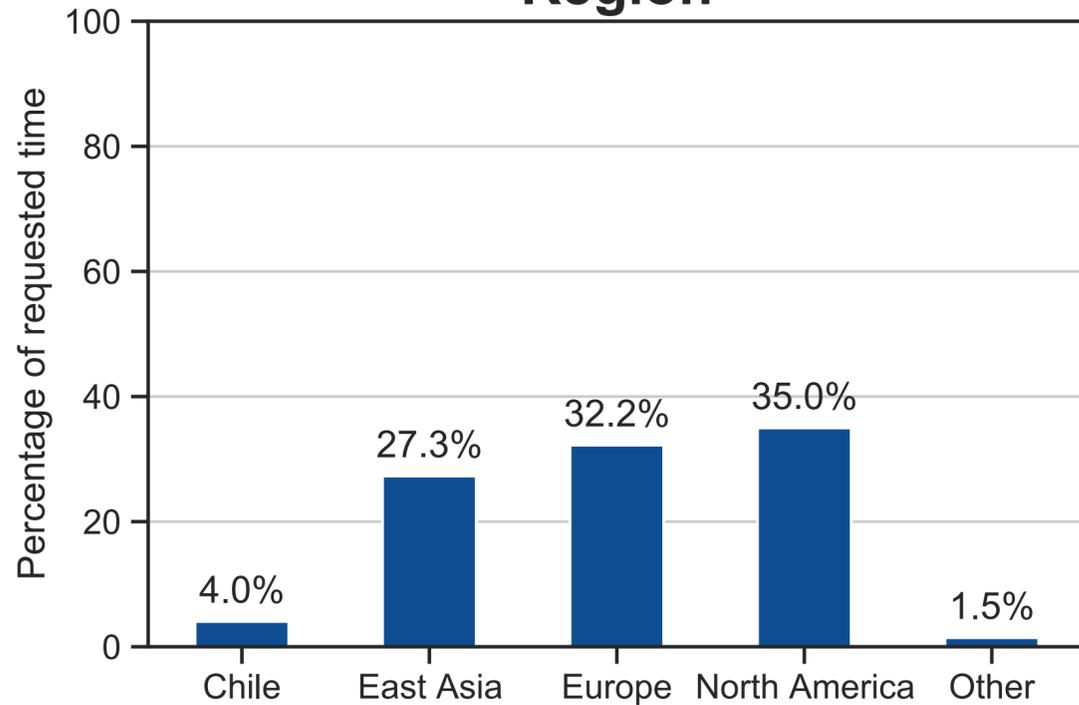
- Results are for the 359 proposals requesting the 7-m Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.



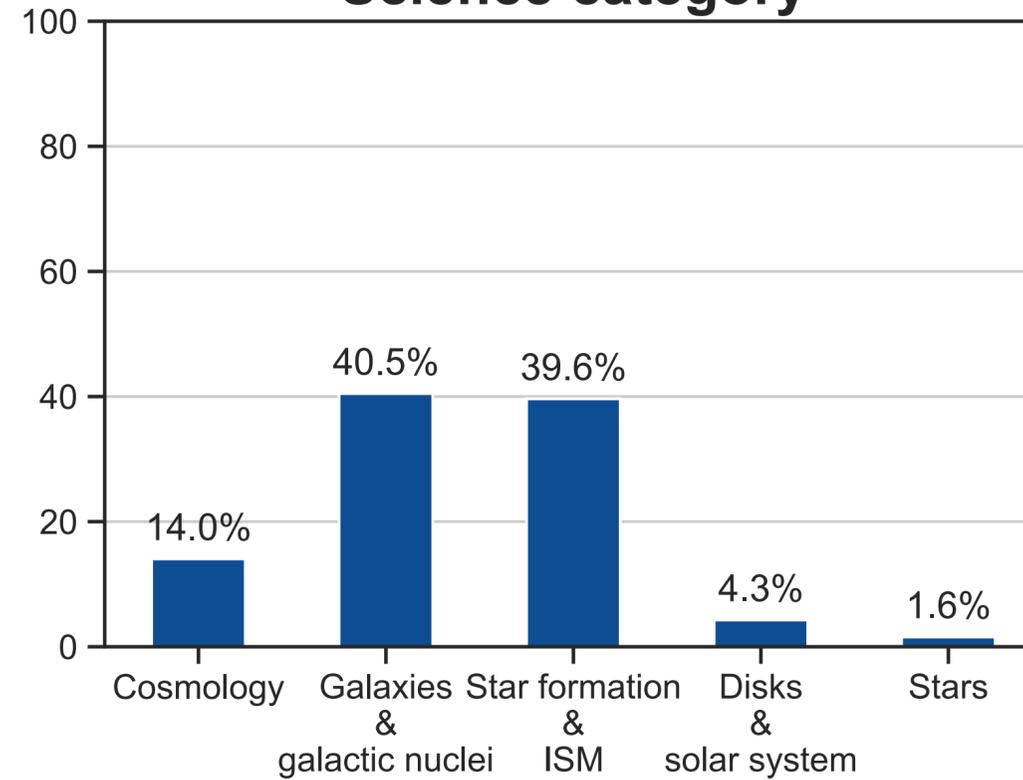
Requested time by region, category, and band: 7-m Array



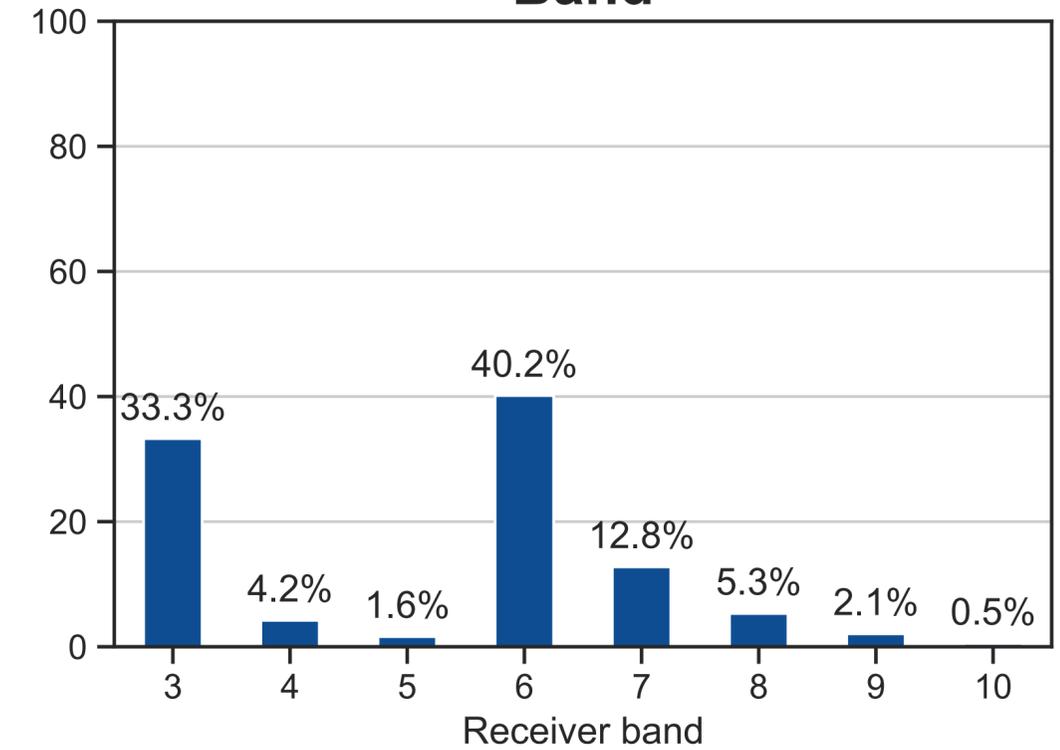
Region



Science category

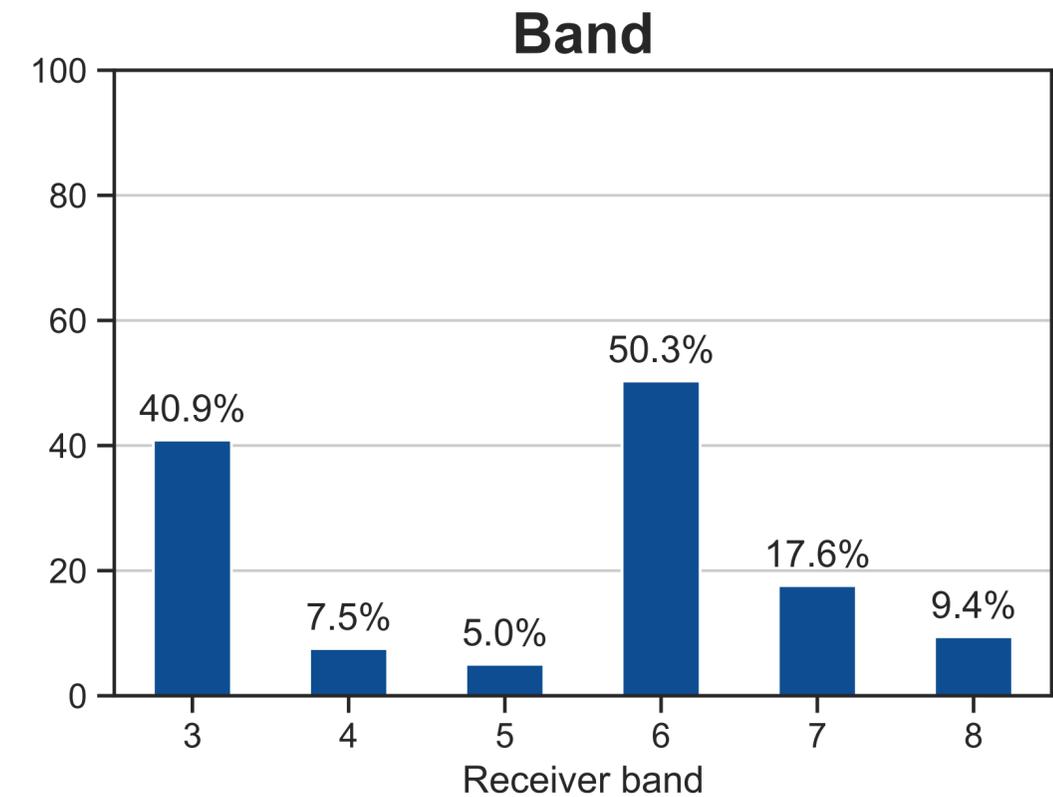
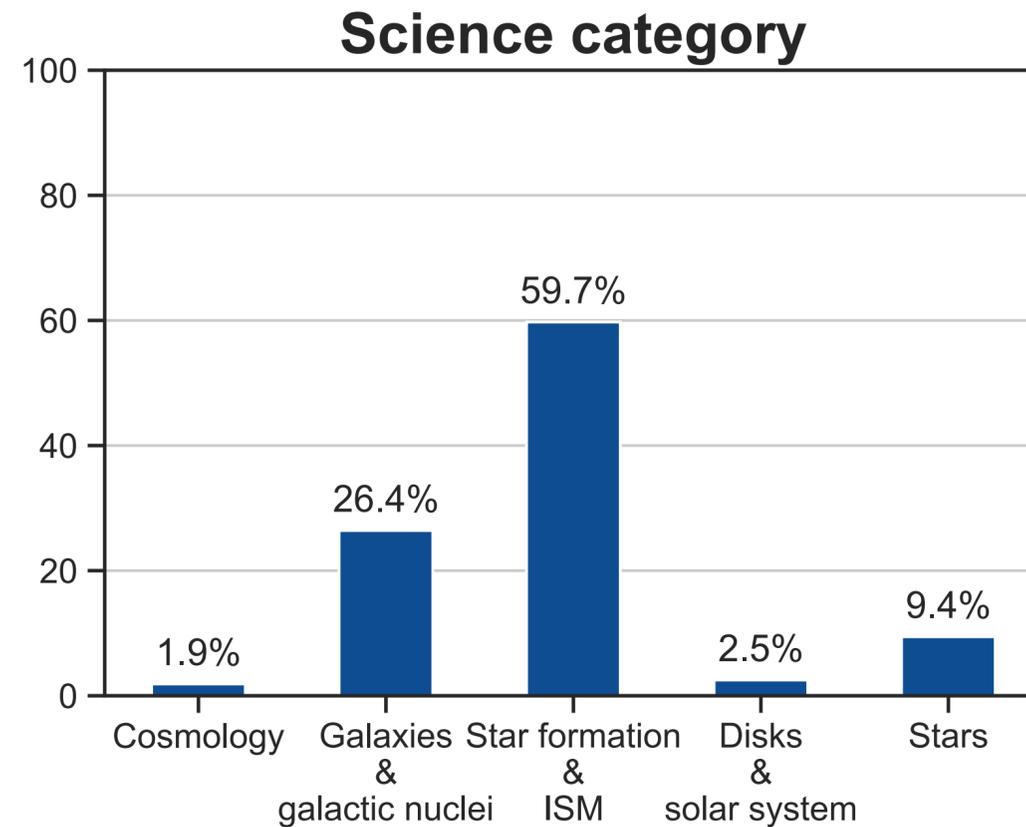
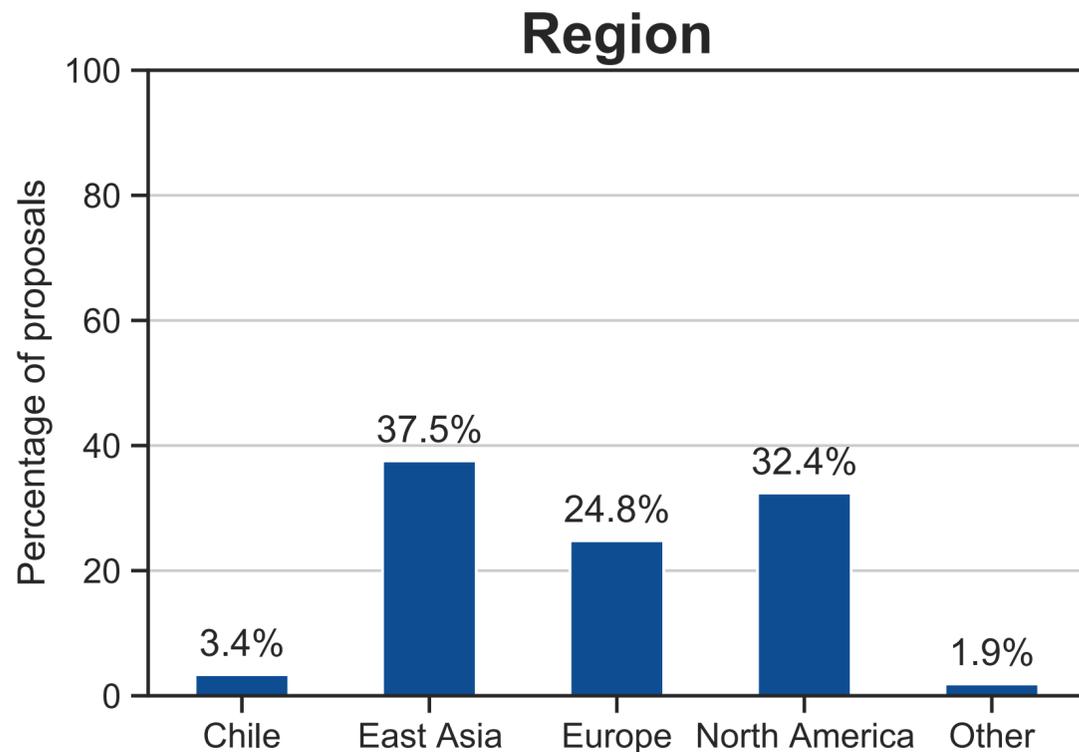


Band





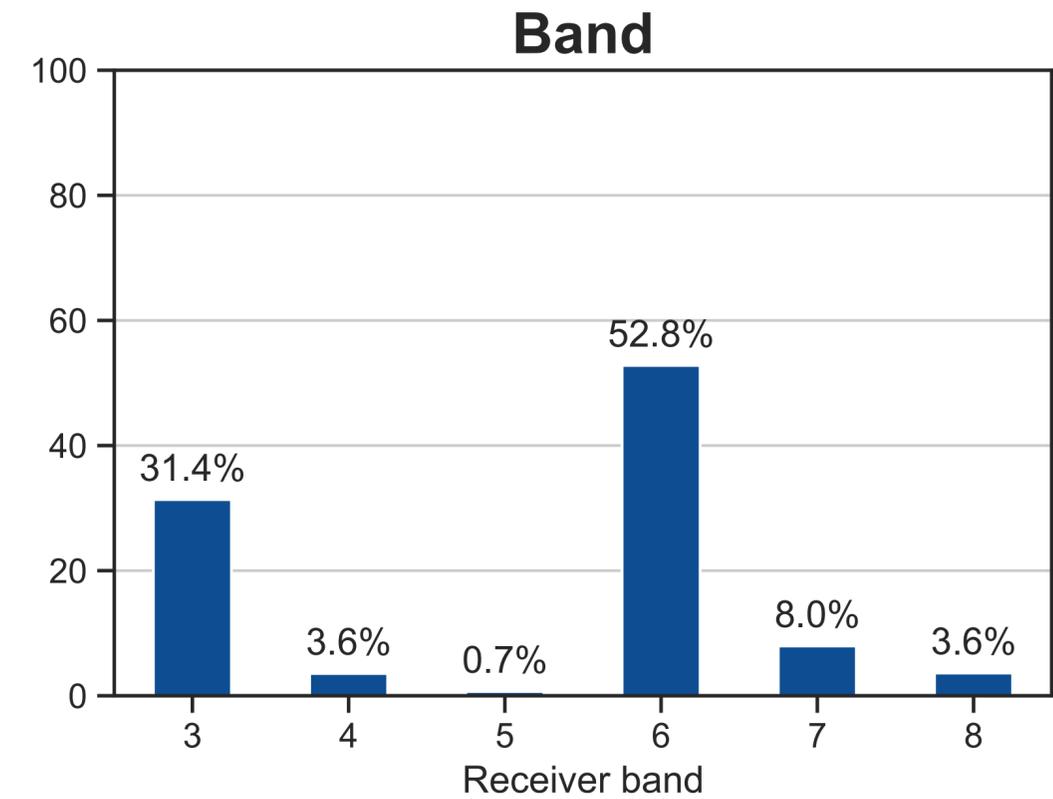
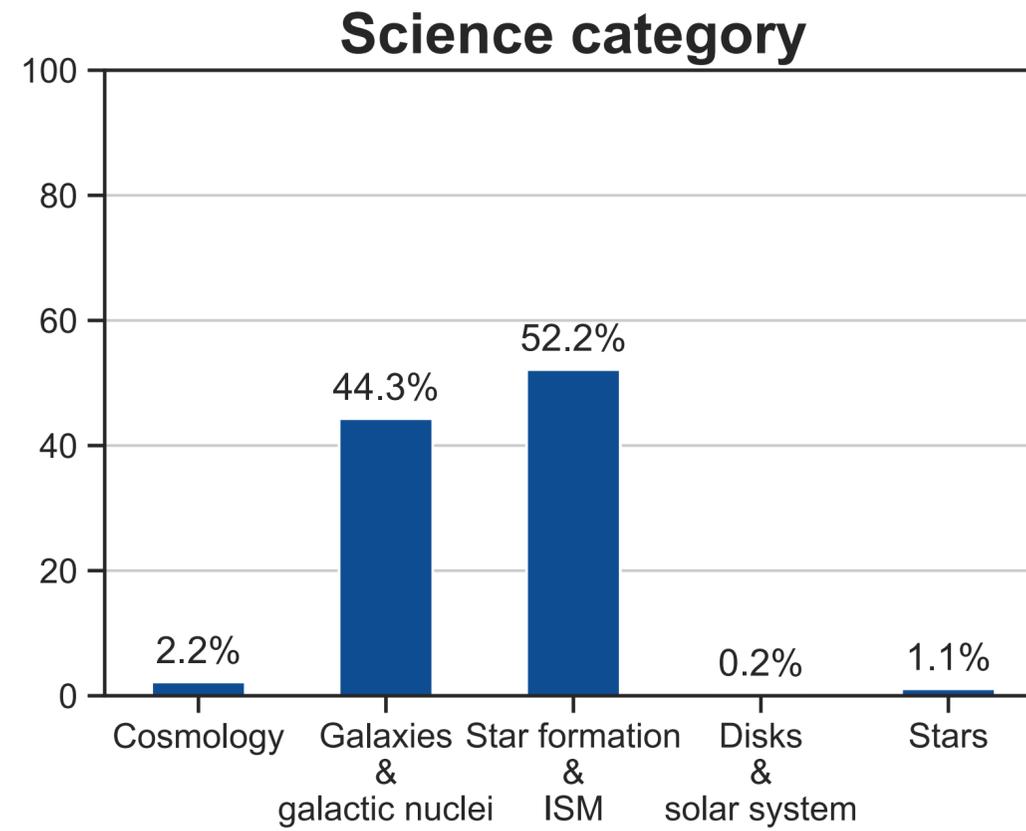
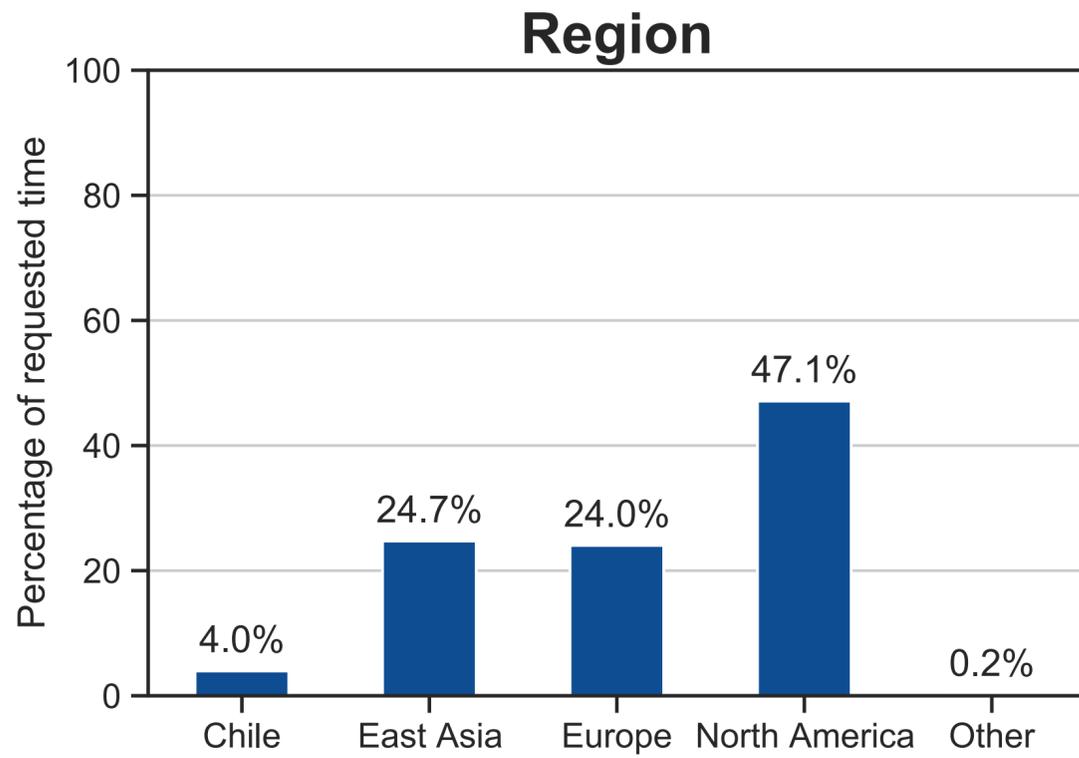
Number of proposals by region, category, and band: Total Power Array



- Results are for the 159 proposals requesting the Total Power Array.
- Percentages by receiver band sum to greater than 100% since some proposals request more than one receiver band.

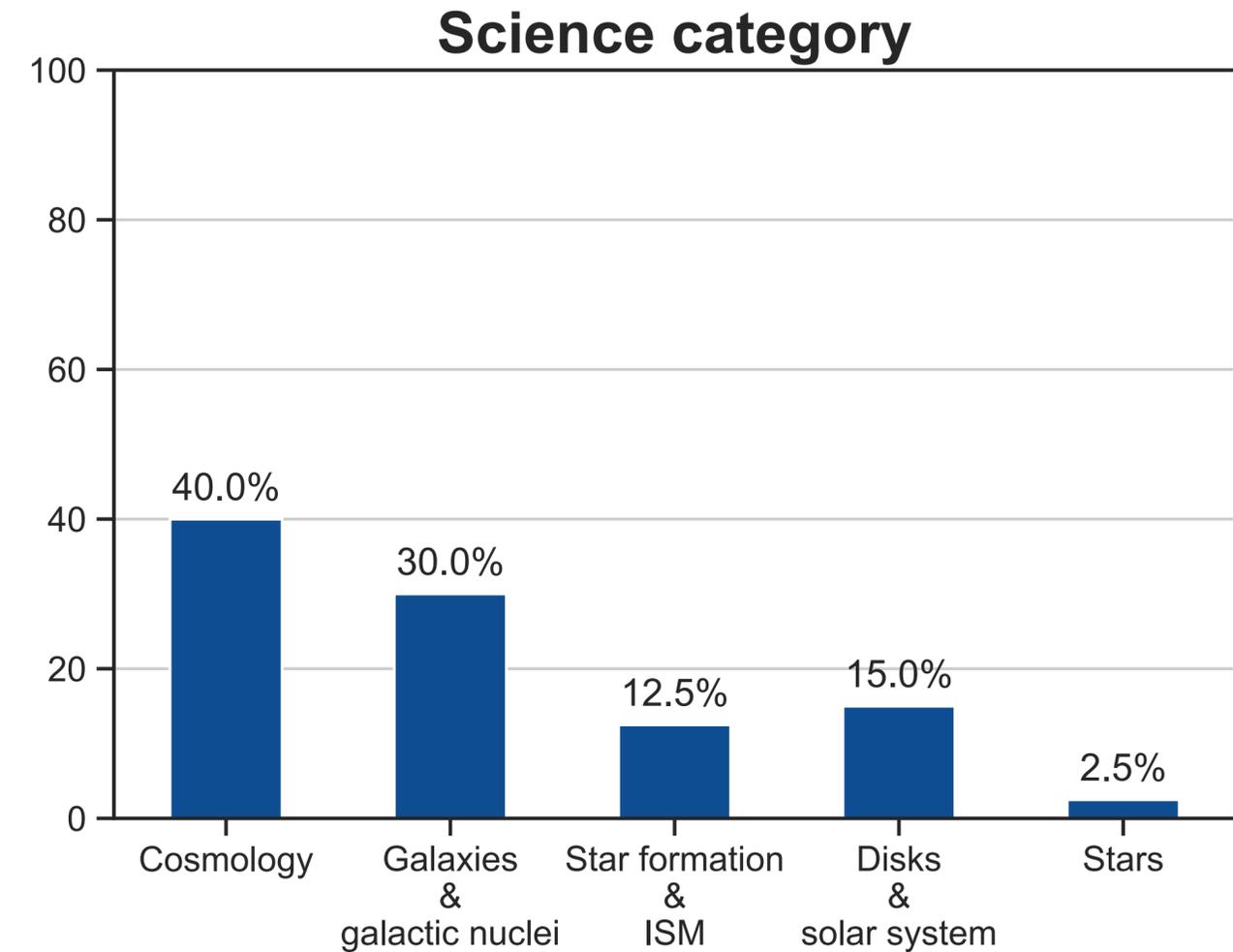
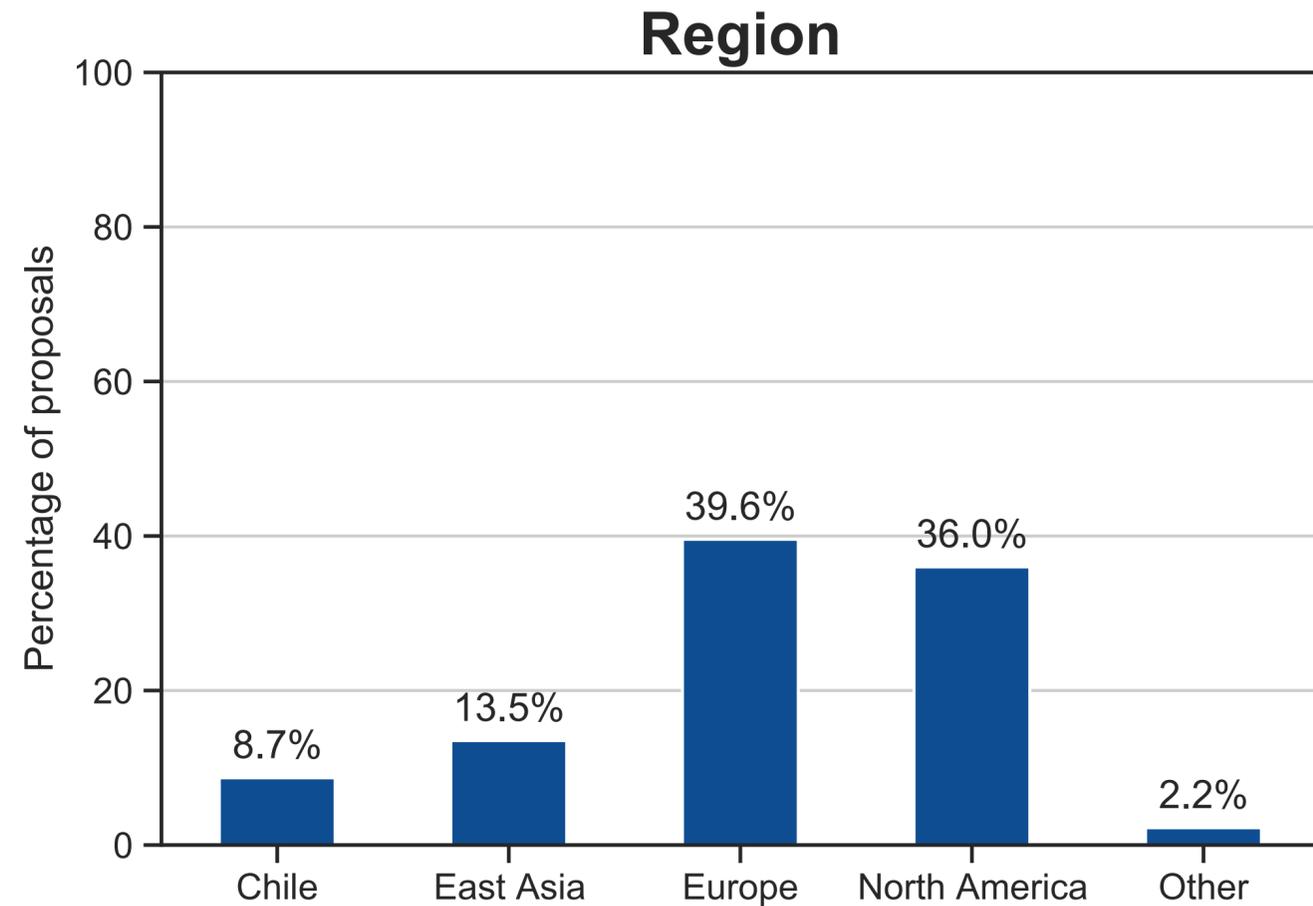


Requested time by region, category, and band: Total Power Array





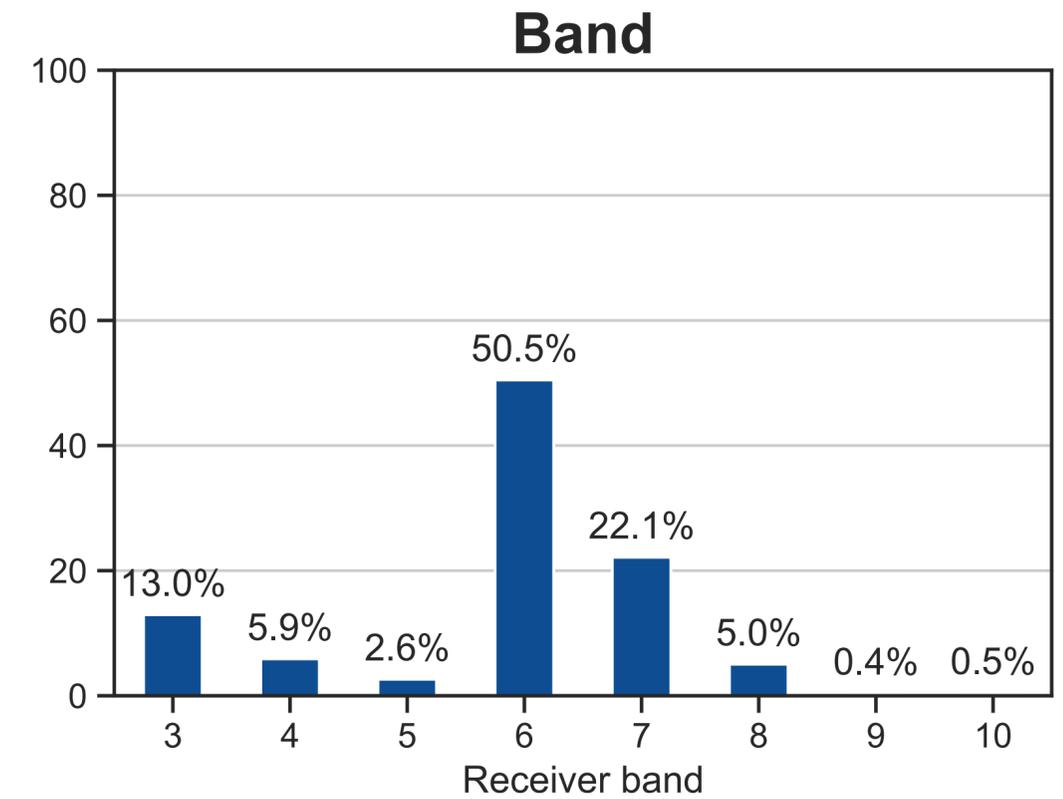
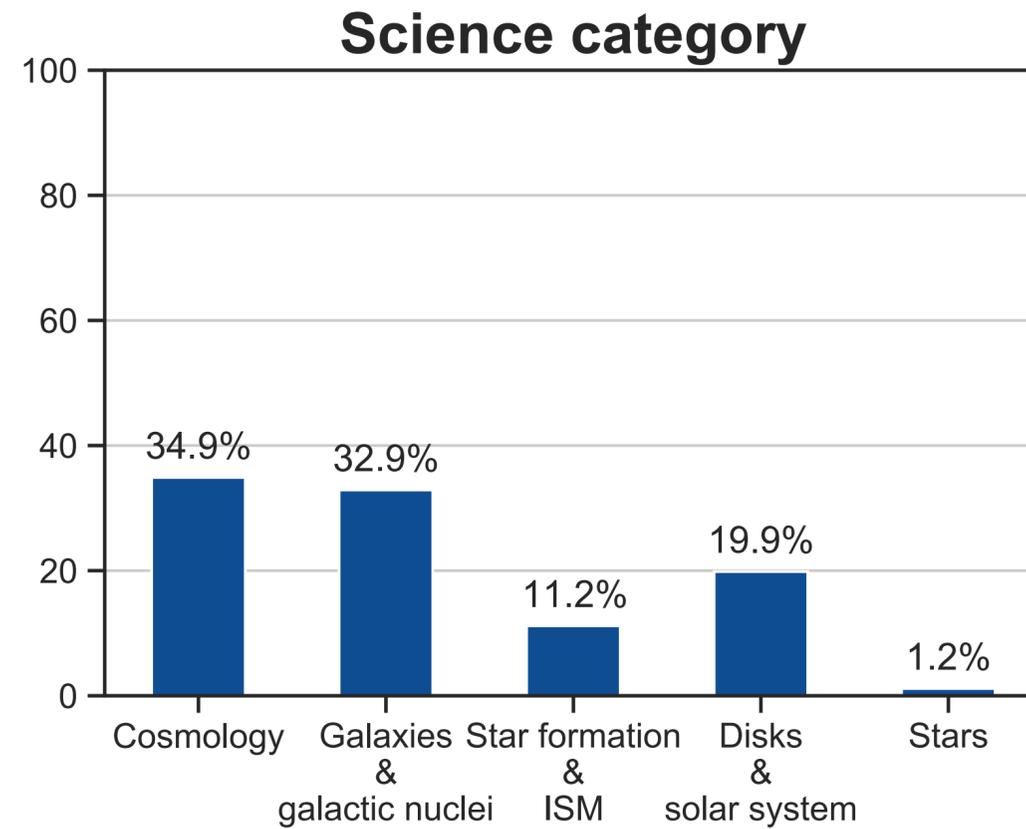
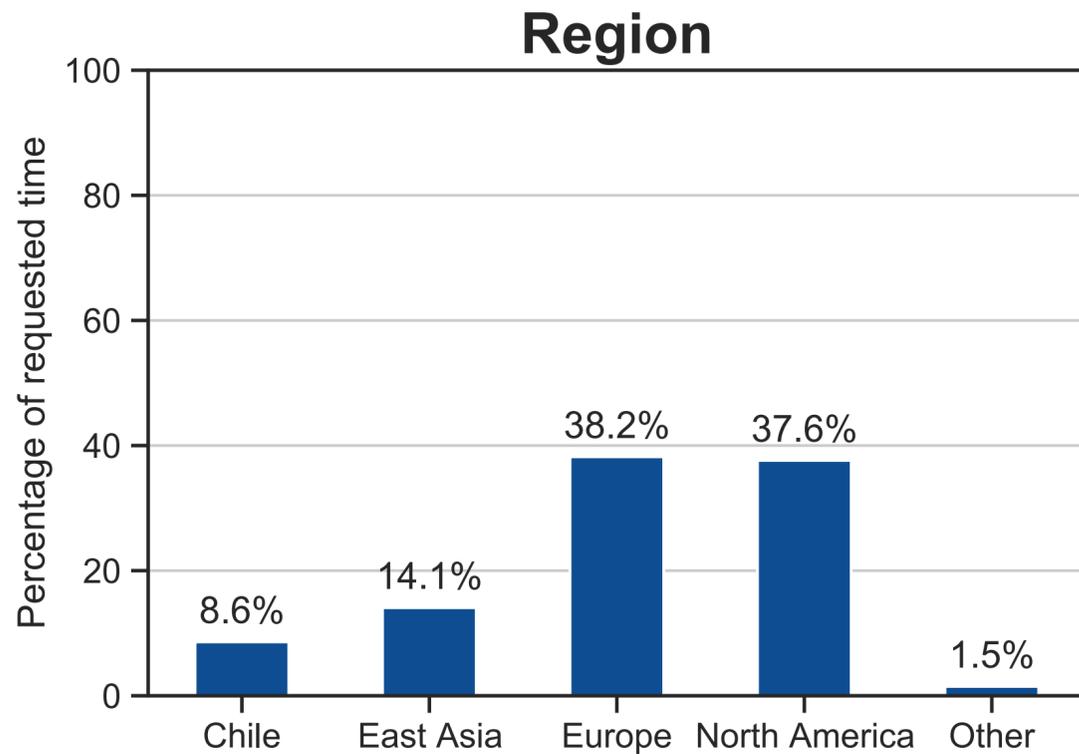
Percentage of Large Program by region* and category



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



Requested time for Large Programs: 12-m Array

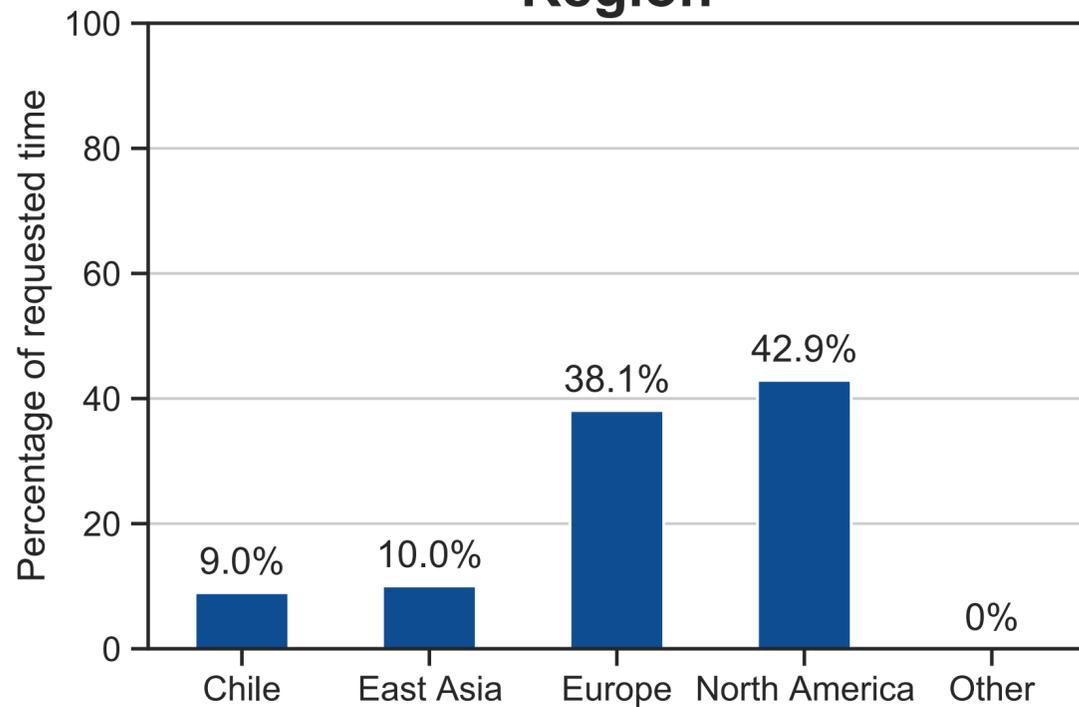




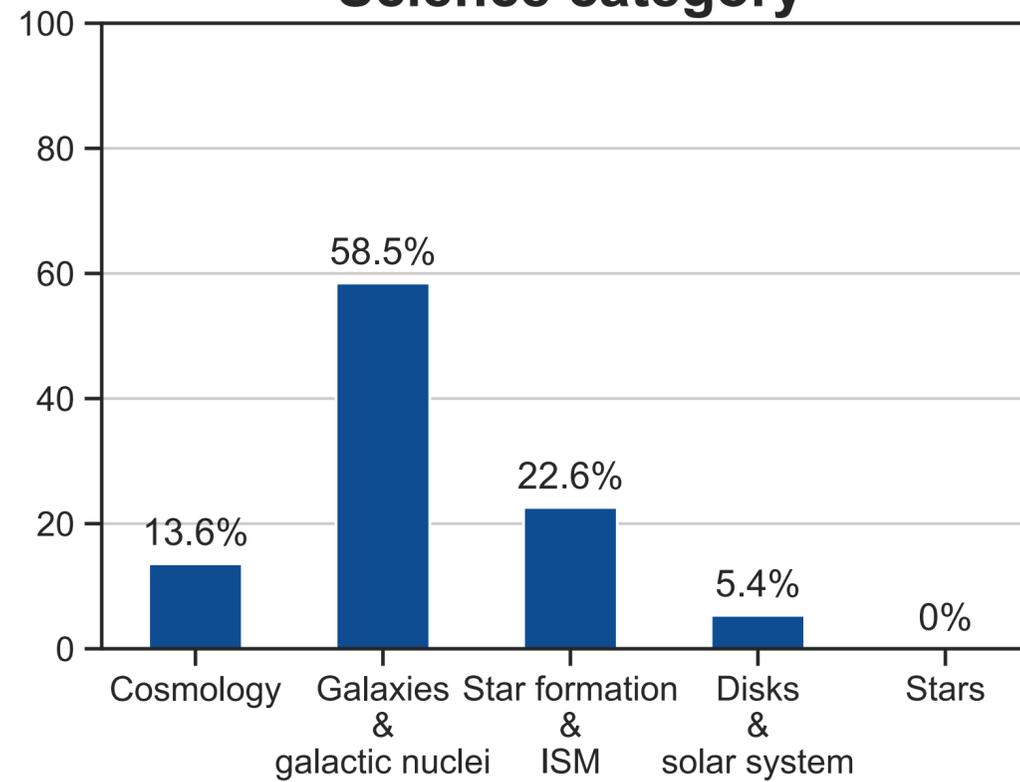
Requested time for Large Programs: 7-m Array



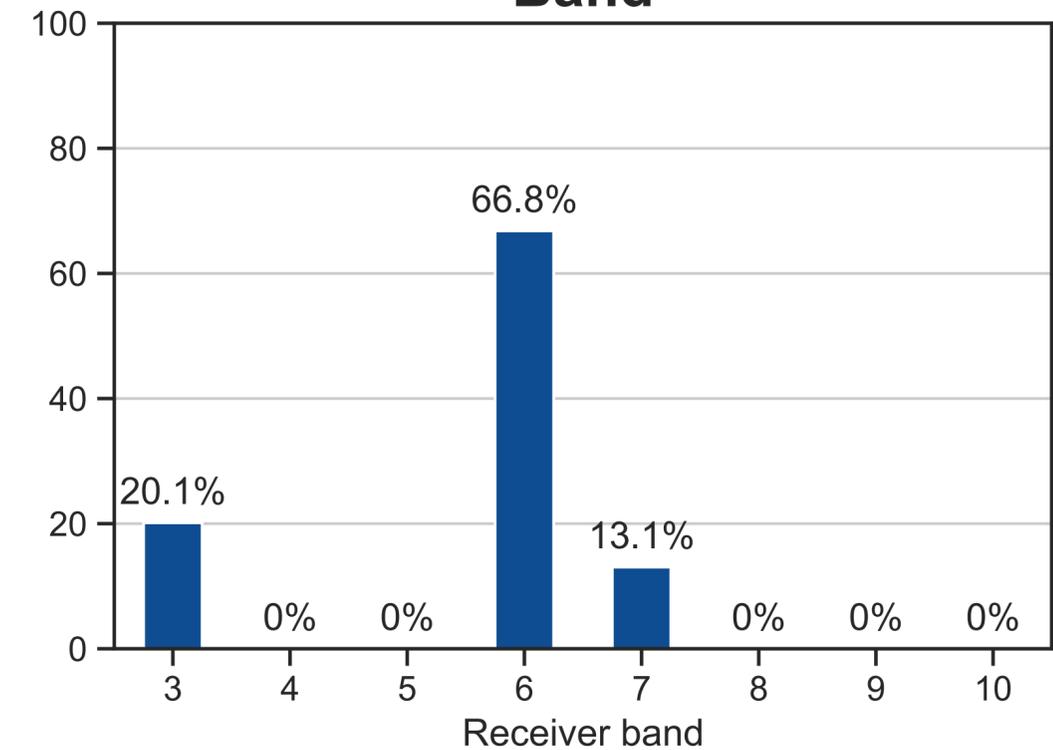
Region



Science category

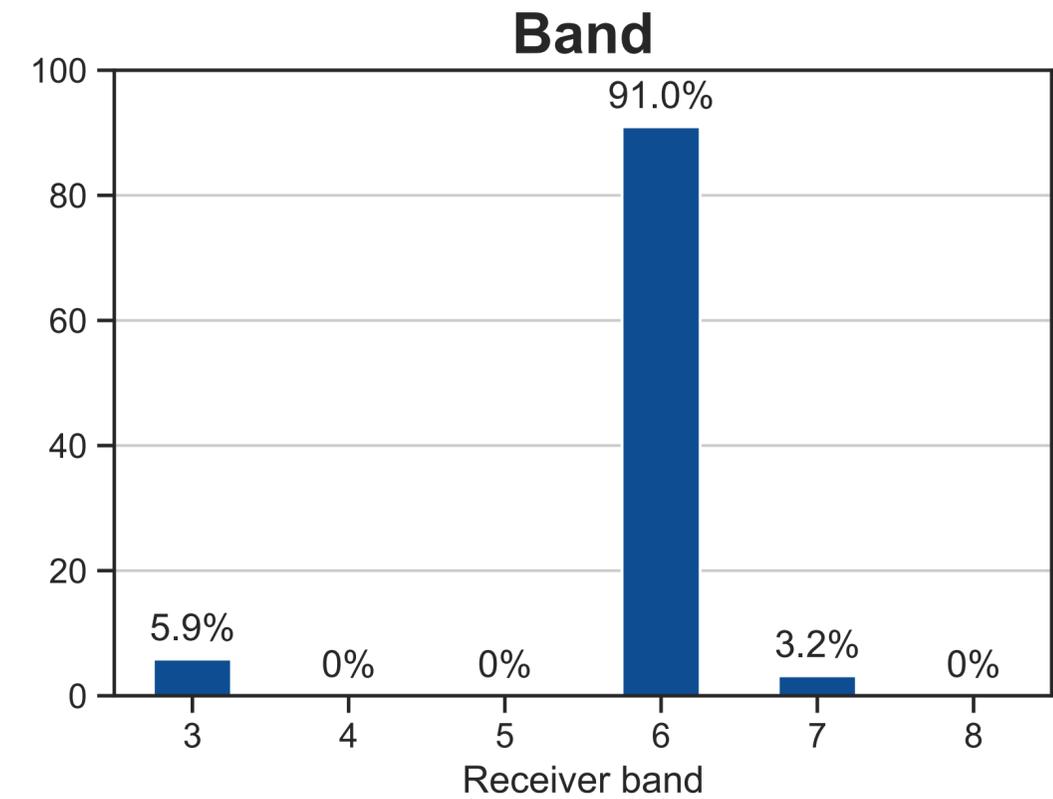
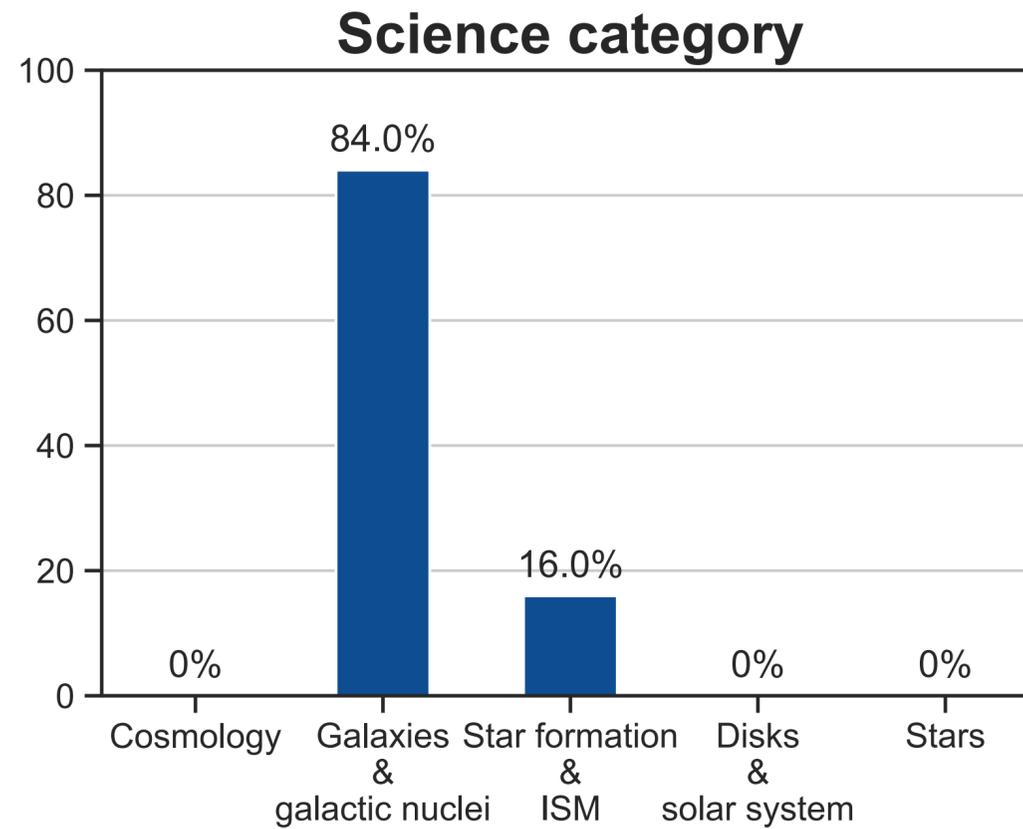
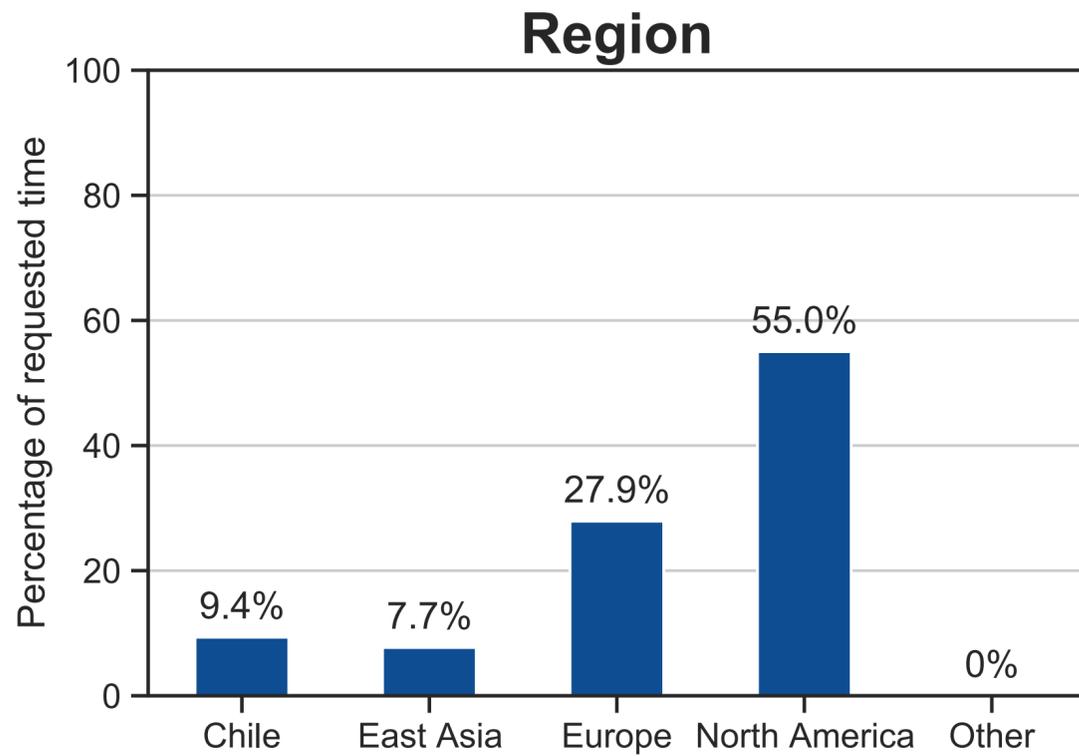


Band



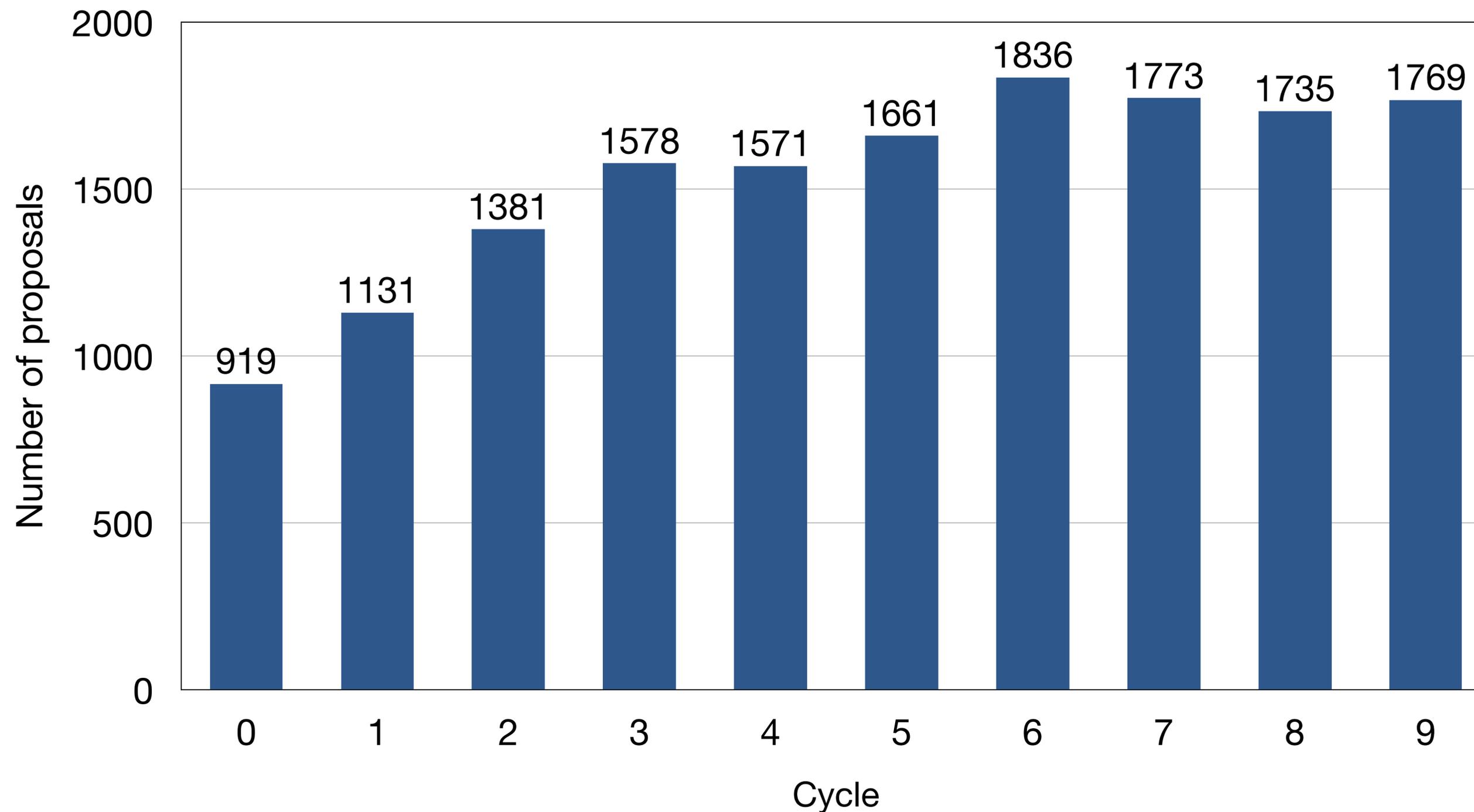


Requested time for Large Programs: Total Power Array



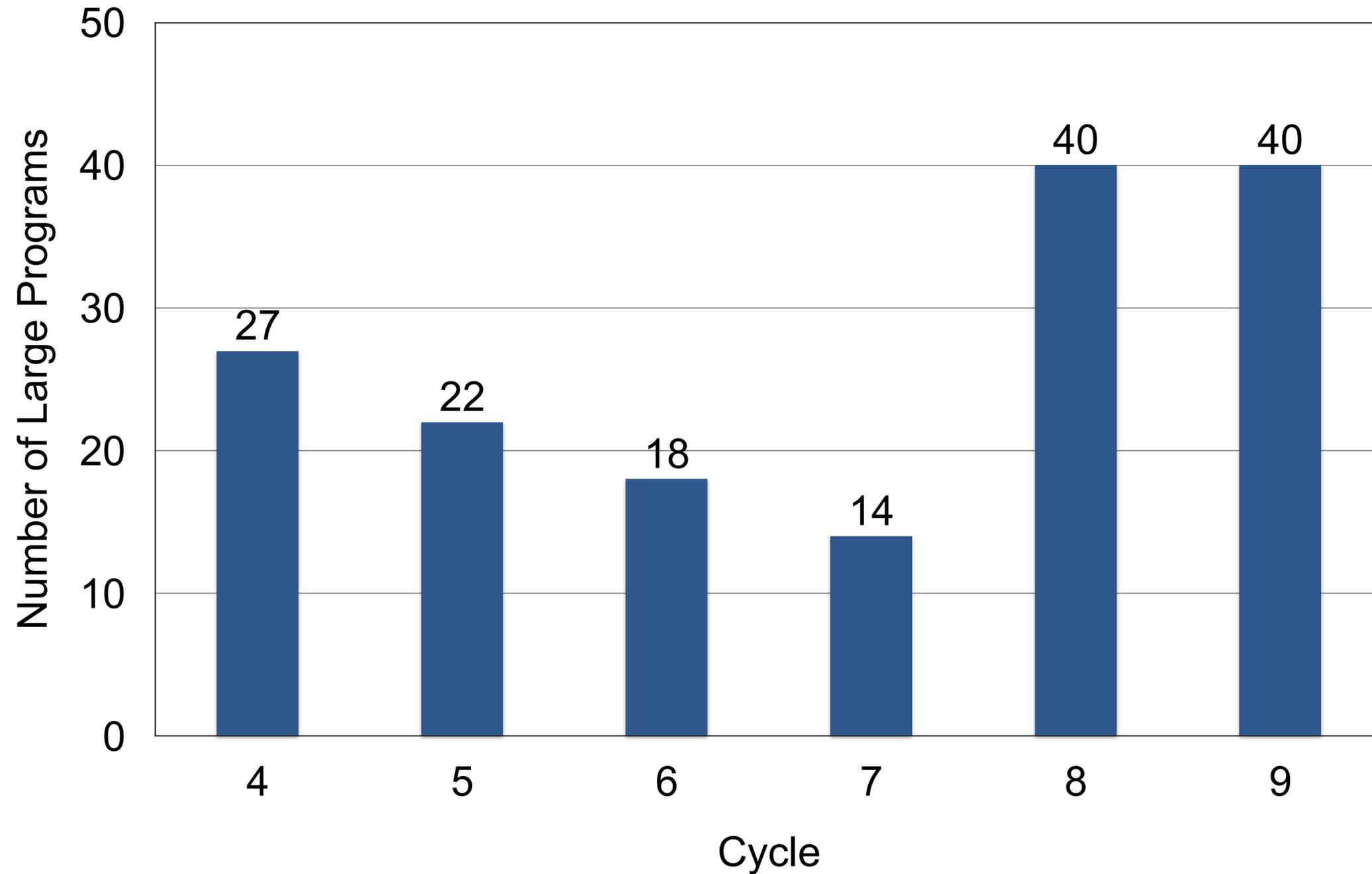


Number of submitted proposals by Cycle

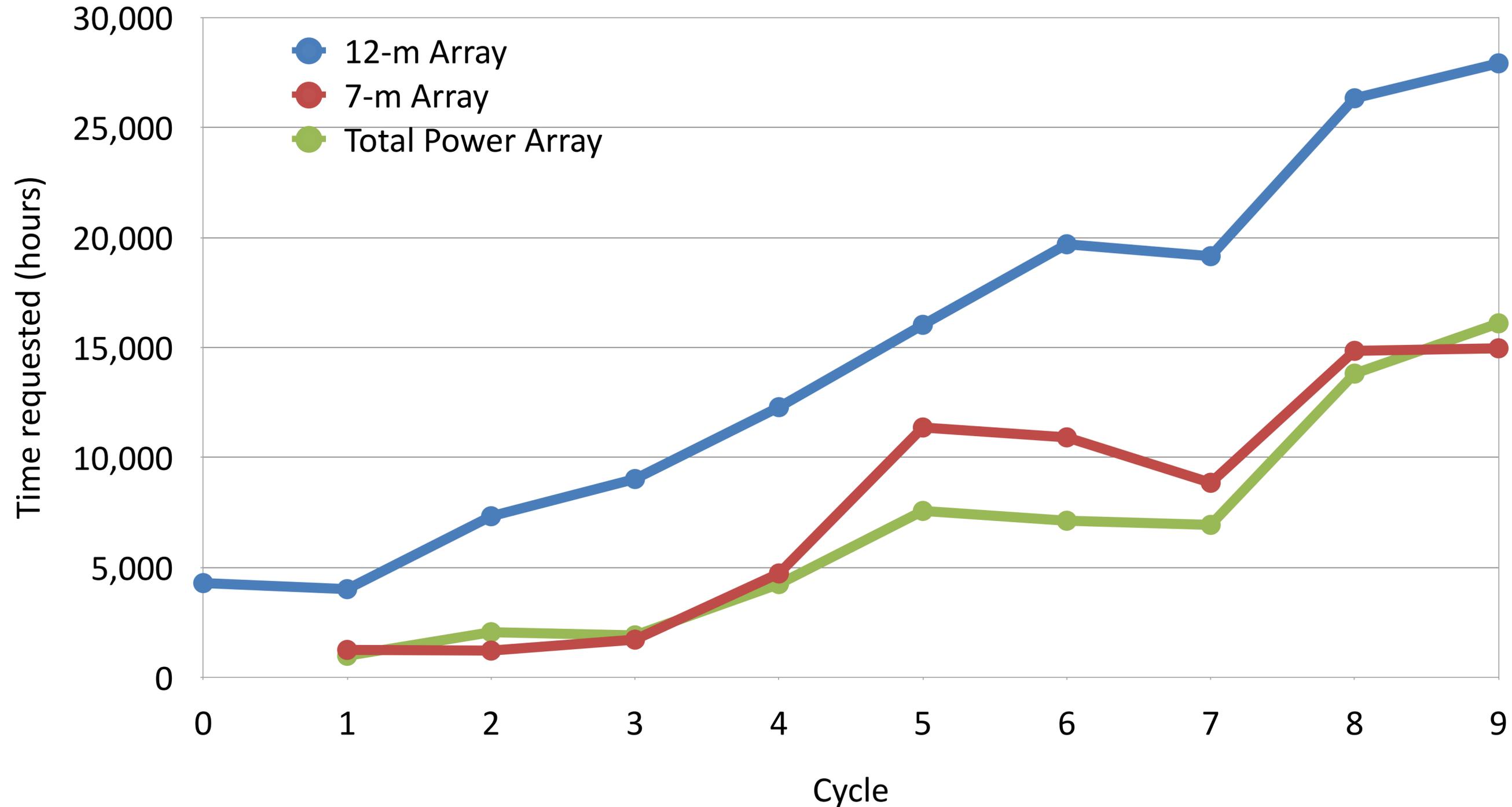


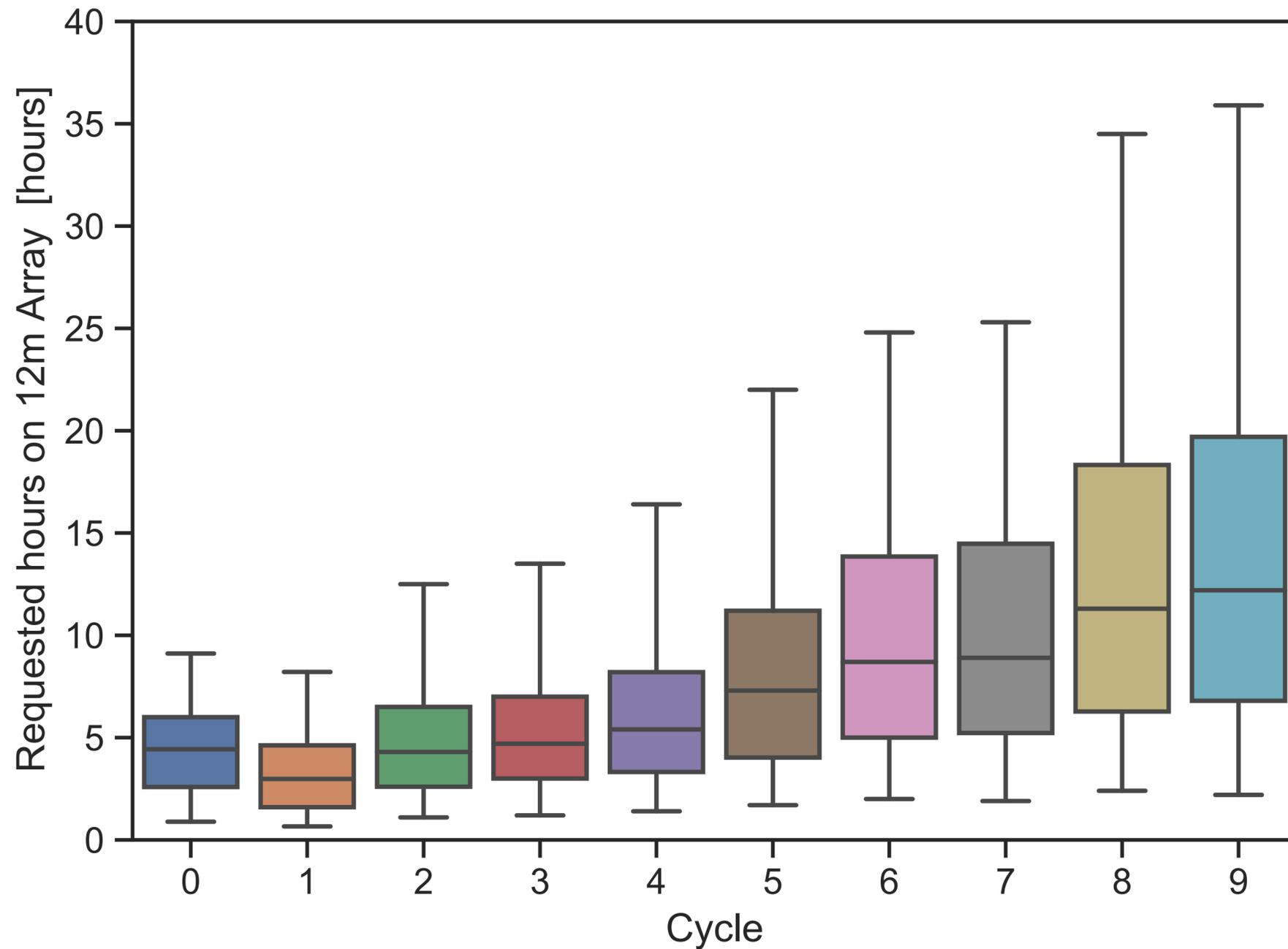


Number of submitted Large Programs by Cycle



Time requested 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.

Oversubscription rate by Cycle

