



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



# ALMA Director's Discretionary Time Proposals: Results from Cycles 1-10

Joint ALMA Observatory  
January 30, 2025





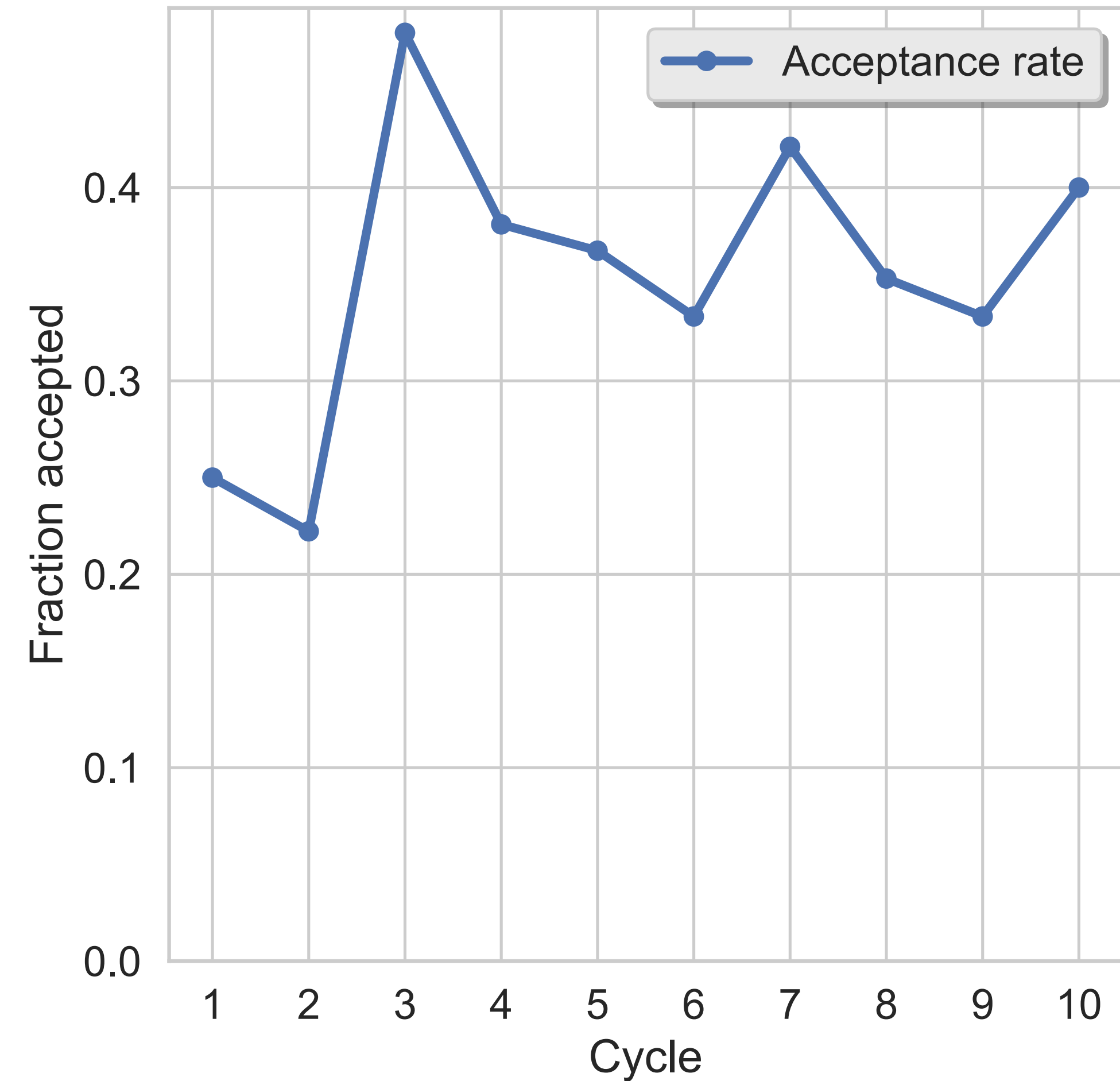
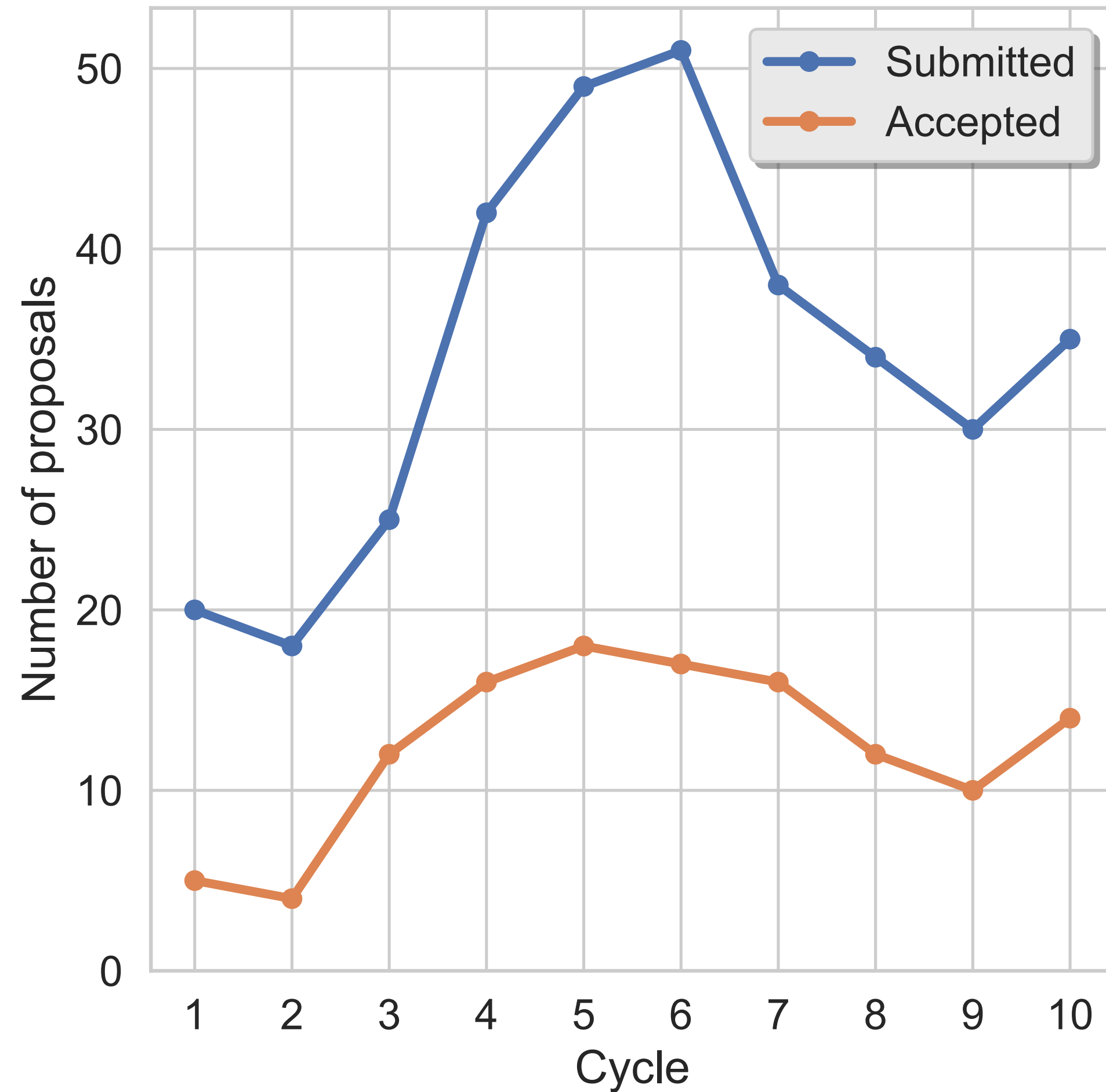
# ALMA Director's Discretionary Time (DDT) Overview

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- Up to 5% of the observing time per cycle can be awarded through DDT
- DDT review process
  - DDT review committee reviews the proposal
    - committee has 8 members total
      - 2 members each from East Asia, Europe, and North America
      - 1 member each from Chile and JAO
  - Committee's recommendation is sent to the ALMA Director
  - ALMA Director makes decision on whether to accept the proposal
- The following slides show the DDT results from Cycles 1 to 10 in terms of the number of submitted/accepted proposals and requested/approved observing time.



# Number of DDT proposals and acceptance rate by cycle

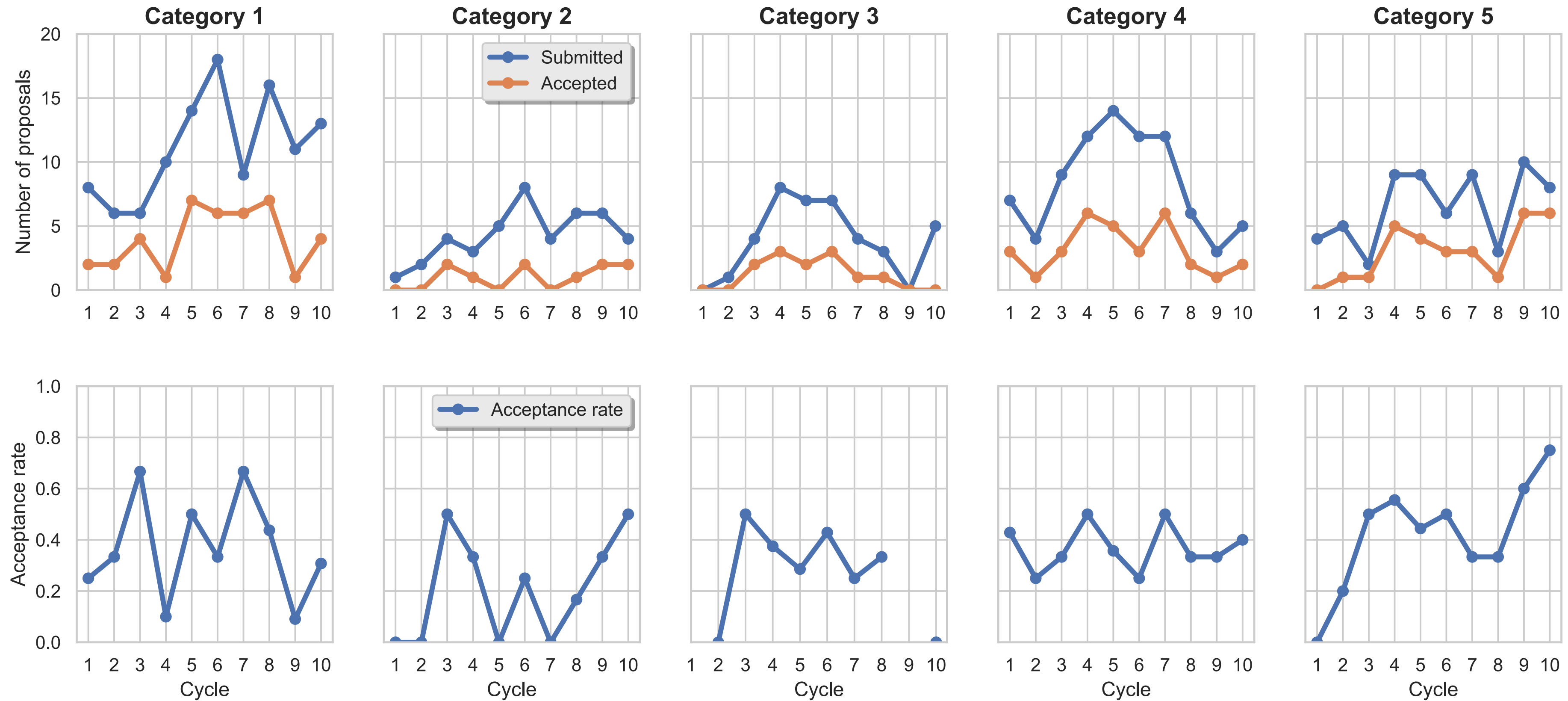


Left : Number of submitted and accepted proposals by Cycle

Right : Acceptance rate of DDT proposals by Cycle



# DDT proposals by science category



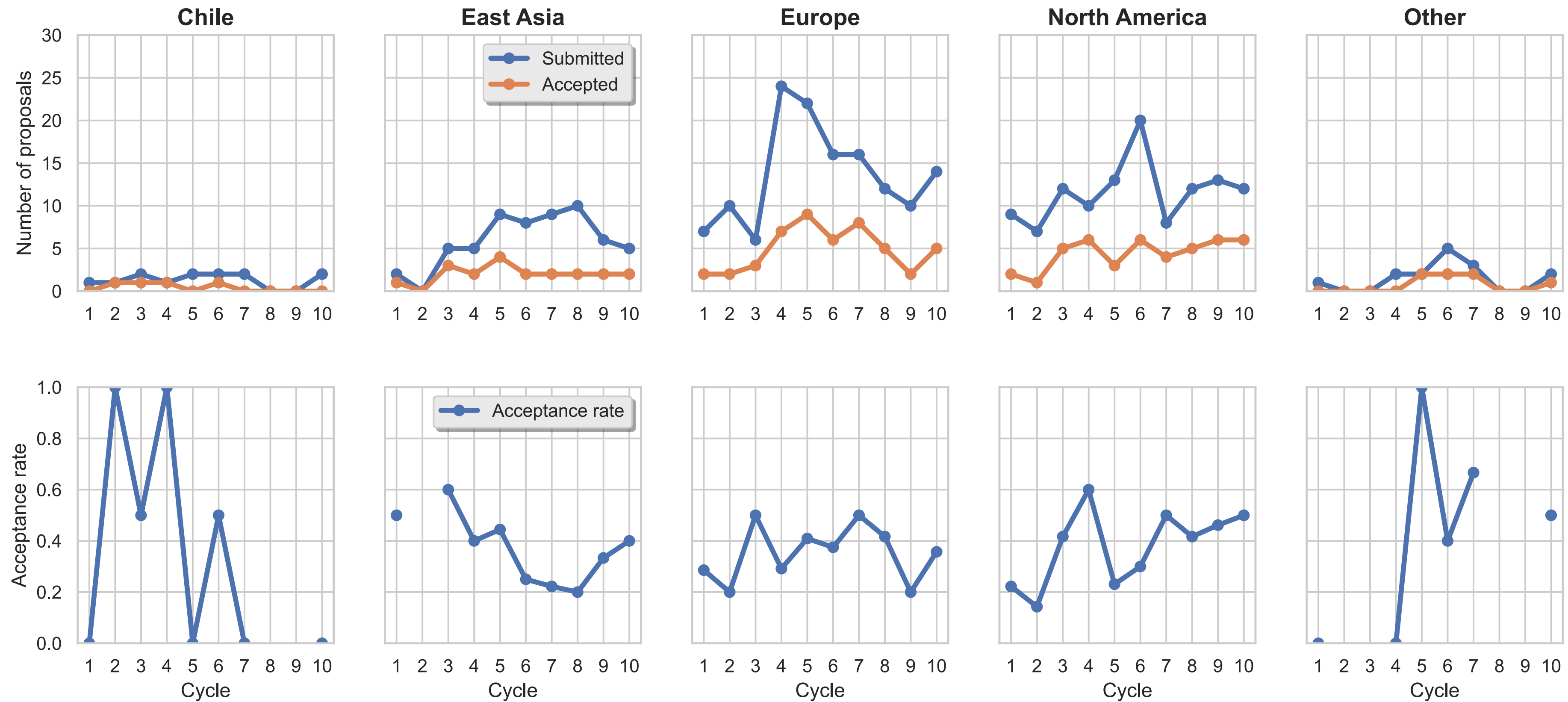
Category 1: Cosmology and the high redshift universe  
Category 2: Galaxies and galactic nuclei  
Category 3: Interstellar medium, star formation, and astrochemistry  
Category 4: Circumstellar disks, exoplanets, and the Solar System  
Category 5: Stellar evolution and the Sun

Top row: Number of submitted (blue) and accepted (orange) proposals by science category.

Bottom row: Acceptance rate by category.



# Fraction of DDT proposals by region

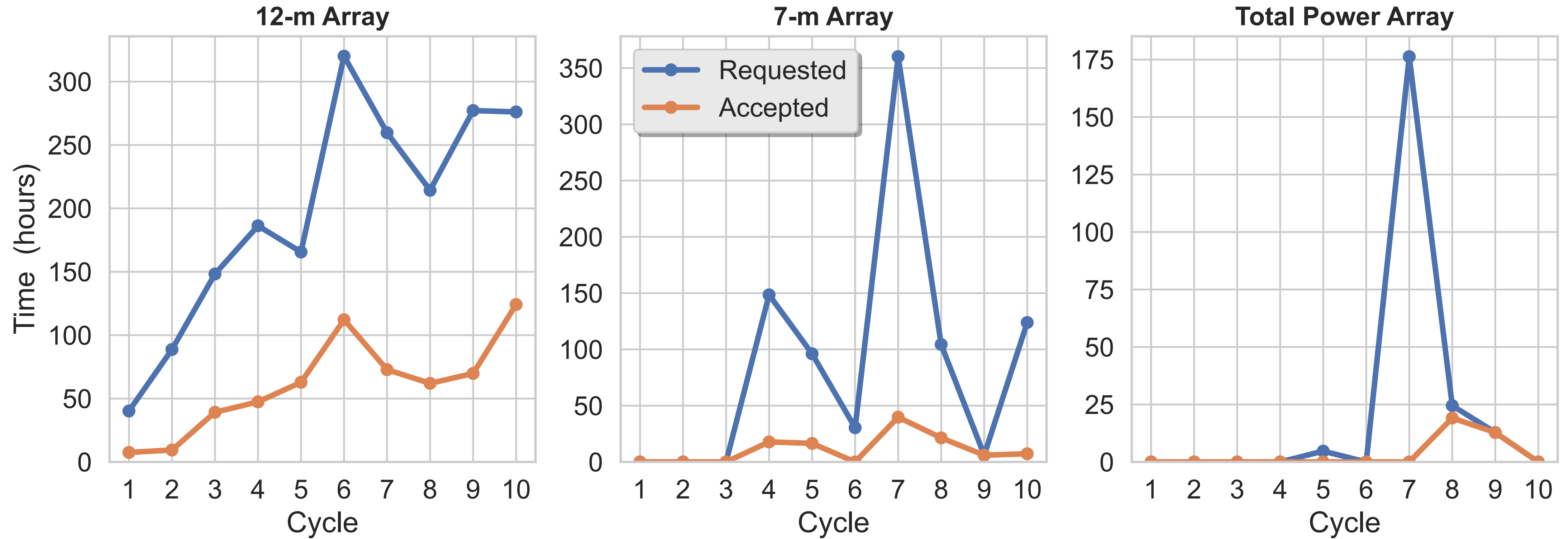


Top row: Number of submitted (blue) and accepted (orange) proposals by the regional affiliation of the PI.

Bottom row: Acceptance rate by regional affiliation..



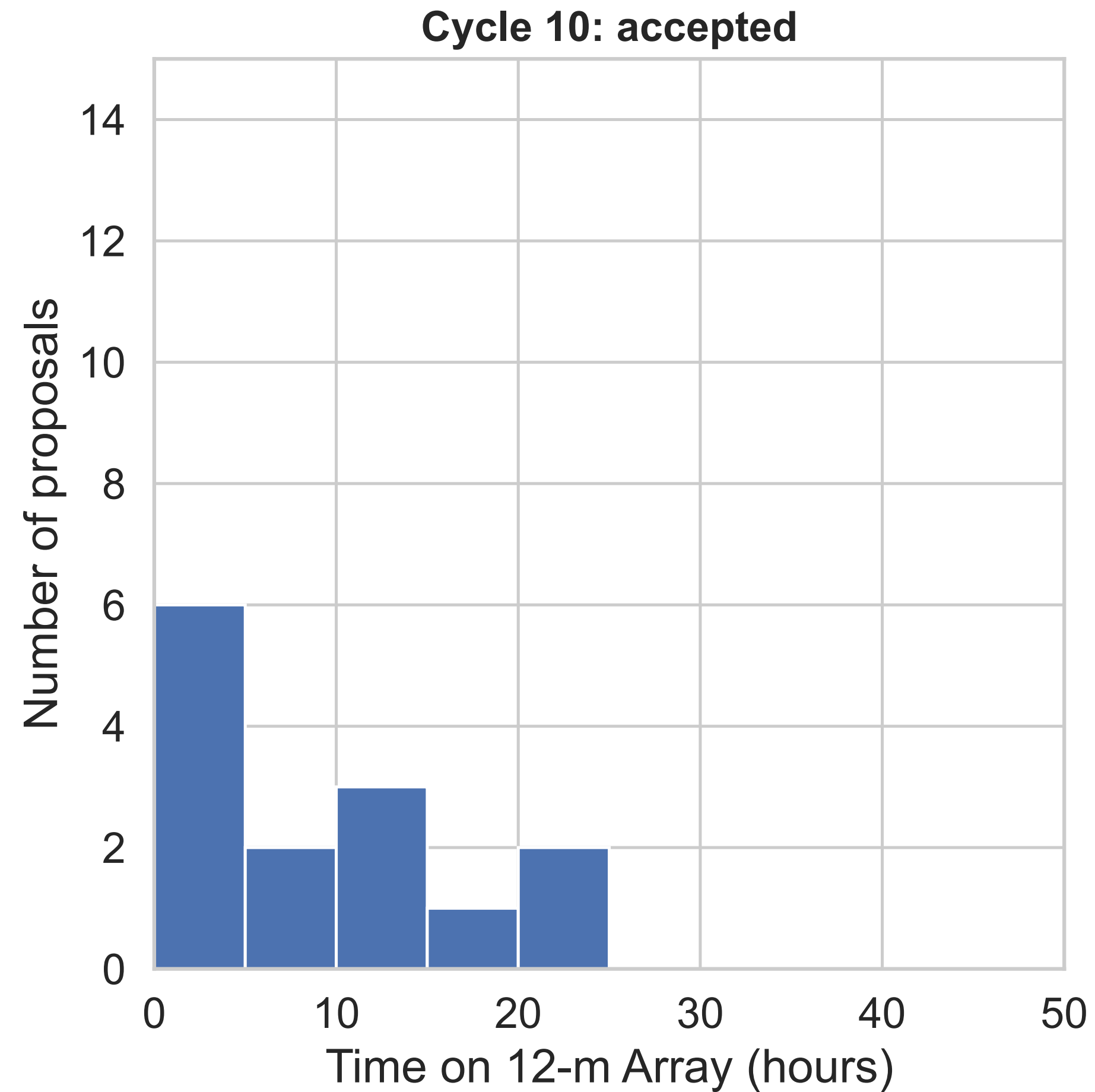
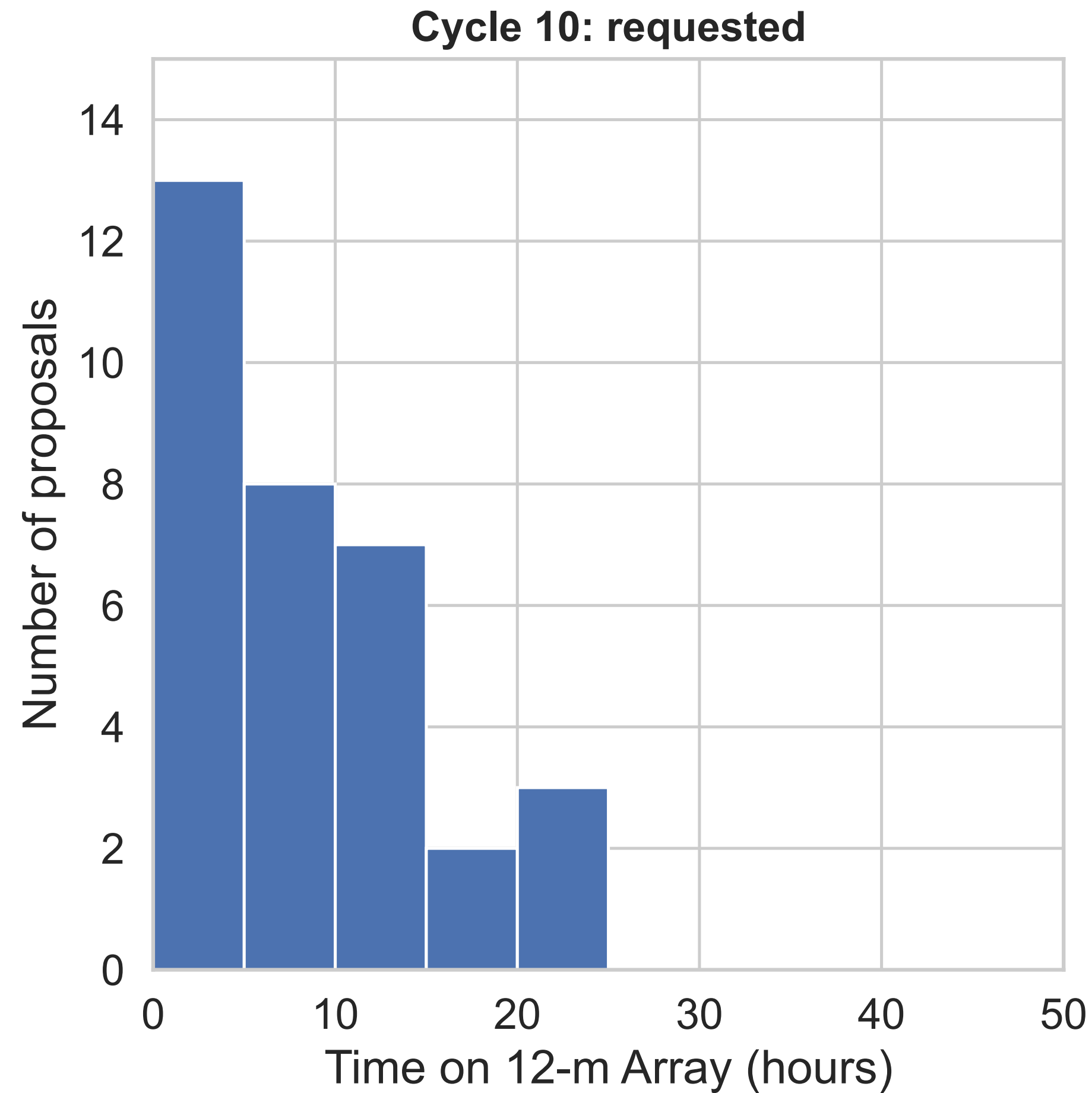
# DDT observing time: requested and accepted



Observing time requested (blue) and accepted (orange) on the 12-m (left), 7-m (middle) and Total Power (right) arrays.



# Requested and approved 12-m Array time per proposal in Cycle 10



Histogram of the 12-m array observing time for the requested (left) and accepted (right) DDT proposals in Cycle 10