

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category:
 Total Time Requested: 48 Hours

Proposal Title: RADAR OBSERVATIONS OF ASTEROID 288 GLAUKE

ABSTRACT:

The proposed observations, to be coordinated with a multi-observatory campaign of optical photometry, aim to confirm optical indications that this object's rotation period is of order 50 days (much longer than that measured for any other asteroid) and to establish whether or not the rotation is complex (non-principal-axis). Glauke is the first S-class candidate for NPA rotation in the main belt. This is the best Glauke radar opportunity for two decades.

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Instrument Setup

S-band receiver

Atmospheric Optical Instruments:

Special Equipment or setup: Software to reduce frequency-switched cw spectra.

RFI Considerations

Frequency Ranges Planned