

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 6 Hours

Proposal Title: Radar Observations of Comet C/2004 Q2 (Machholz)

ABSTRACT:

A recently discovered comet C/2004 Q2 (Machholz) will be observable at Arecibo 2005 January 2-15. The observing window is immediately before the time requested by R1885. We request time in the slots before those observations. Observations for radar observations of comets are rare, of order once per year. Radar provides measures of the nucleus size and rotation, and the size distribution of the grain coma that are very difficult to obtain any other way.

Name	Institution	E-mail	Phone	Student
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Service Observing Request

Remote Observing Request

- | | |
|---|--|
| <input checked="" type="checkbox"/> None | <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> All of the observing run. | <input type="checkbox"/> Maybe |
| <input type="checkbox"/> Part of the observing run. | <input type="checkbox"/> Yes |
| <input type="checkbox"/> Queue Observing | |

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned