Technical Page

Proposal Type: Regular
General Category: Planetary Radar
Observation Category: Solar System
Total Time Requested: 24 Hours
Minimum Useful Time: 2.5 hours

Proposal Title: Radar Observations of Comet 8P/Tuttle

ABSTRACT:

We propose S-band radar observations of Comet 8P/Tuttle during its Earth passage at the end of 2007. The prime objective is to obtain delay-Doppler images of the nucleus, which will be used to estimate the size, shape, rotation, and radar albedo of this object. We will also search for a broadband echo component from large coma grains ejected from the nucleus.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>John K Harmon</td>
<td>Arecibo Observatory</td>
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<td>787-878-2612 x284</td>
<td>no</td>
</tr>
</tbody>
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Remote Observing Request

[X] Observer will travel to AO

Remote Observing

In Absentia (instructions to operator)

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

2375-2385