

Goldstone Radar Observations of the 1999 Mars Opposition and other observing Opportunities

M. A. Slade (JPL/Caltech)

As part of the International Mars Watch, Goldstone radar observations of Mars are planned during the 1999 Opposition (Feb.' 99-Aug'99). While some observing time is already allocated, a number of tracks could be made available for well-focused scientific objectives. Since the Deep Space Network plans far in advance, now is the time to develop your plans. During the next Mars opposition, the sub-Earth latitudes are in Mars' Northern hemisphere over the most northerly terrain accessible, which has not been previously examined with current sensitivity. The North residual ice cap is of particular interest.

As a reminder to the Planetary Science community, observing proposals from any scientist with peer-reviewed planetary funding are solicited and should be forwarded to Martin .A.Slade@jpl.nasa.gov by email. Data reduction can, in principle, be carried out over the Internet. A graduate student or postdoctoral fellow resident at JPL for short period is recommended, however, to become familiar with suite of software for data analysis. Unfortunately, JPL cannot guarantee travel reimbursement due to funding limitations. We urge your consideration of becoming involved with the acquisition and analysis of Goldstone radar data. In the recent past, P.I.'s or co-I.s from Cornell, Arecibo/NAIC, Washington State University, Univ. Cal. Berkeley, Harvard -Smithsonian Center for Astrophysics, Univ. of Chicago, the DLR, Kashima SRC, ISAS, the Russian Academy of Science, the Russian Space Agency, and the USGS, have participated in radar experiments with Goldstone transmitting.

his work is supported by the California Institute of Technology under contract with NASA.

Division for Planetary Sciences Abstract Form

DPS Category 3 Running # Session 0.00

Oral Poster Either Title only

Will you serve as a session chair? Yes No

Have you received your Ph.D. since the last DPS meeting?

Yes No

Is your abstract newsworthy, and if so, would you be willing to prepare a news release and be available for interviews with reporters?

Yes No Maybe

Paper presented by Martin A. Slade

JPL/Caltech
Mail Stop 23 S-420
4800 Oak Grove Drive

Pasadena CA 91109-8099 United States
Phone: 818-354-2765
Fax: 818-354-6825
Email: marty@shannon.jpl.nasa.gov

Special instructions: Wed Jun 414:12:59 CDT 1997

Membership Status (First Author):

DPS-AAS Member Non-Member

Student Member Student Non-Member

Is this your first DPS presentation? Yes No

Sponsor:

Abstract submitted for 1997 DPS meeting

Date submitted: LPI electronic form version 5/97