

MESSENGER STM #31: GpDG Agenda
Geophysics Discipline Group Meeting, Boulder, CO
2-4 October 2013

Version 3, 29 September 2013

Wednesday, 02 October

10:45 Welcome; Introductions

10:50 Session 1: Mostly planning and status

All:	Discussion of project information relevant to geophysics (Perry lead)
G. Neumann:	MLA instrument status
D. Smith:	MLA-Earth laser ranging tests
A. Genova:	Center of mass and antenna positions on MESSENGER, revisited
E. Mazarico:	Update on Mercury gravity, k_2 and obliquity

12:00 Lunch

1:30 Session 2: Science

C Johnson:	Magnetic field studies: Update
S. Padovan:	Analysis of Mercury tides: Update
M. Perry/G. Neumann:	Latest radio occultation results and spherical harmonic shape models
D. Paige:	Latest polar thermal model results (TBD on presentation time)

3:00 Break

3:15 Session 3: Even more science

S. Peale:	3:2 spin-orbit resonance: Constraints on C_{22} for capture/maintenance
R. Phillips/C. Johnson:	Shape and Geoid: Nuts & Bolts
J. Oberst:	Modeling of Mercury shape & librations: Update (rjp to present)
S. Hauck, II:	Update on CWRU MESSENGER activities

5:00: R. Phillips & C. Johnson: Meetings and Publications

5:15 Adjourn

Thursday, 03 October, 10:00-12:00; Joint session with GDG

10:00 – K. Becker – Global DEM derived from MDIS images

10:30 – N. Chabot – Shadowed craters

10:50 – H. Susorney – Exploring the Morphology of Simple Craters that Host Polar Deposits on Mercury: Implications for the Source and Stability of Water Ice

11:10 – G. Neumann: Update on polar deposits

11:25 – E. Mazarico: Mercury polar illumination conditions

11:40 – O. Barnouin – Crater Investigations: Update

GpDG PLENARY PRESENTATIONS – Thursday PM

Jeff Andrews-Hanna: Nature & origin of the lunar Procellarum region are revealed by GRAIL

M. Perry/R. Phillips/C. Johnson: Mercury is in good shape