

MESSENGER Science Team Meeting 35
27–29 October 2015
Geology Discipline Group Agenda

Tuesday, 27 October

1 – 2:30 pm: Joint session of GDG-GpDG

Book Chapters – Focus on Big Picture and Future Work (*<10 min each, followed by discussion*)

- Roger Phillips – Crustal and Lithospheric Structure
- Brett Denevi – Major Geologic Units and Crustal Formation
- Clark Chapman – Impact Cratering on Mercury
- Paul Byrne – Mercury’s Tectonics
- Jim Head – Volcanism on Mercury
- Steve Hauck – Evolution of Mercury

2:30-2:45 pm: Break

2:45 pm: GDG session

2:45 pm

Science Updates (*~10 min each, followed by discussion*)

- Ariel Deutsch – Determination of North Polar Shadowed Regions
- Paul Byrne – Age Dating Small Smooth Plains Units
- Maria Banks – Revised Absolute Age Constraints for Mercury

3:30 pm

Calibration and Tools Updates (*~5 min each, followed by discussion*)

- Brett Denevi – Overview of MDIS Color Calibration and Map Products
- Helene Winters – Discussion of the Future of MESSENGER Tools (e.g. QuickMap and PIPE)
- Nancy Chabot – No Cost Extension Potential GDG-Related Products & Other GDG Discussion

4:00 pm

Book Chapters – Focus on Big Picture and Future Work (*<10 min each, followed by discussion*)

- Dave Blewett – Mercury’s Hollows
- Nancy Chabot – Mercury’s Polar Deposits

4:30 pm

Geologic Mapping

- Louise Prockter & Mallory Kinczyk – Mercury Geologic Mapping

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Wednesday, 28 October

8:30 – 10:45 am: Joint session of GDG-GcDG

8:30 am

Science Updates (*~10 min each, followed by discussion*)

- Elizabeth Frank – Origin of the High-Mg Region
- Lauren Jozwiak – Vent Morphology and Insights into Eruption Mechanisms
- Tim Grove – Constraining Mercury’s Mantle Composition

9:30 am

Book Chapters – Focus on Big Picture and Future Work (*<10 min each, followed by discussion*)

- Larry Nittler – Bulk Composition
- Patrick Peplowski – Major Geochemical Units and Crustal Formation
- Scott Murchie – Spectral Reflectance Constraints on Mercury’s Surface
- Denton Ebel – Formation of Mercury

10:45-11:00 am: Break

3 – 4 pm: GDG Plenary Science Updates

- Rachel Klima – Spectral Classification and Mapping of Low-Reflectance Material
- Clark Chapman – Cratering on Mercury