

## **GDG Agenda STM 31, 2–4 October, Boulder**

### **WEDNESDAY, 2 OCTOBER**

#### ***Joint with GcDG***

#### **10:30-2:00**

10:30 - McCubbin - Experimental insights into the petrology and mineralogy of the Northern Volcanic Plains and implications for the mercurian interior

11:00 - Weider – XRS

11:15 - Nittler – XRS

11:30 - Helbert – XRS, MASCS

11:45 - Peplowski – Carbon, thermal neutrons

12:00 - LUNCH, discussion of figures in Domingue et al. space weathering paper

1:00 - Gillis-Davis – Impact darkening

1:20 - Klima for Murchie – Global color

1:40 - Lawrence – low-altitude measurements from the NS

1:50 - Chabot – brief summary of low-altitude MDIS observations

#### ***GDG***

#### **2:00-5:00**

2:00 - Domingue – The search for regional expressions of space weathering in the color data

2:20 - Blewett – Toward an optical-maturity-like parameter for Mercury

2:35 - Helbert – Update on work of Berlin group

2:50 - Vilas – Spectral work

3:05 - Izenberg – VIRS raster scan observations and VIRS-based global spectral unit map

3:20 - BREAK

3:30 - Domingue – update to the MDIS photometric correction

3:45 - Denevi – 3-color calibration

4:00 - Blewett – Targeting for phase-ratio and change detection

4:15 - Merline – satellite search

4:30 - Nair – upcoming science planning

## **THURSDAY, 3 OCTOBER**

### ***GDG***

**9:00-10:00**

9:00 - Ernst – Caloris stratigraphy

9:15 - Whitten – Intercrater plains

9:30 - Byrne – Has Paul managed to finally map the Caloris basin tectonics in time for the meeting?

9:45 - Klimczak – the relative timing between plains volcanism and global contraction

### ***Joint with GpDG***

**10:00-12:00**

10:00 - Becker – Global DEM derived from MDIS images

10:30 - Nancy – shadowed craters

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

11:10 - Neumann – Update on polar deposits

11:30 - Barnouin – Crater Investigations: Update

### ***GDG Plenary Contributions***

Marchi – The oldest terrain on Mercury

Gillis-Davis – Impact darkening

Byrne – FameLab