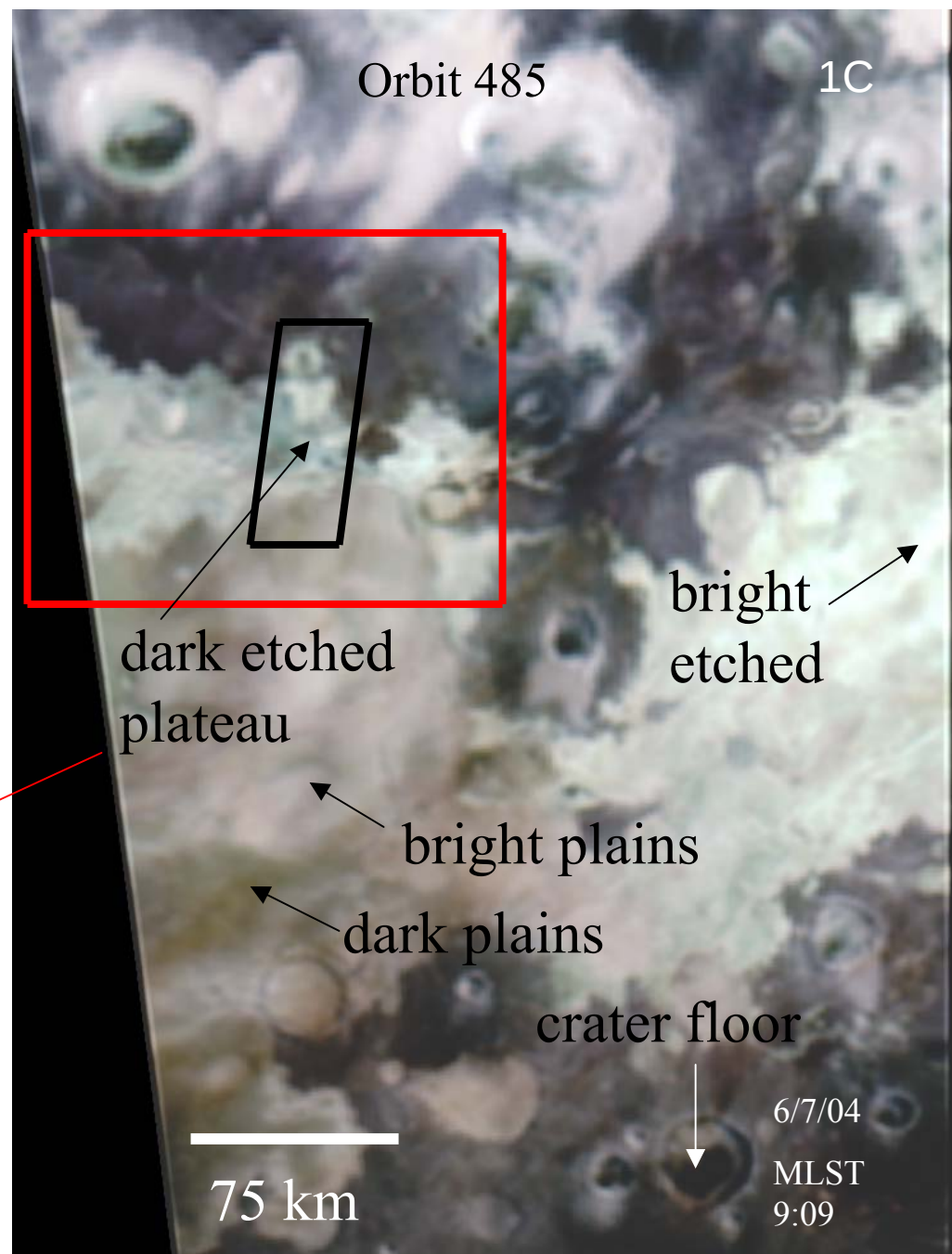
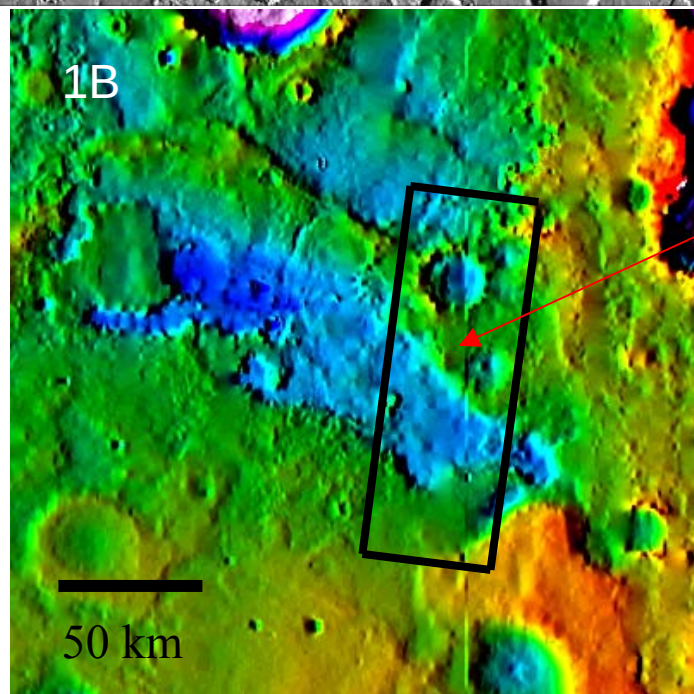
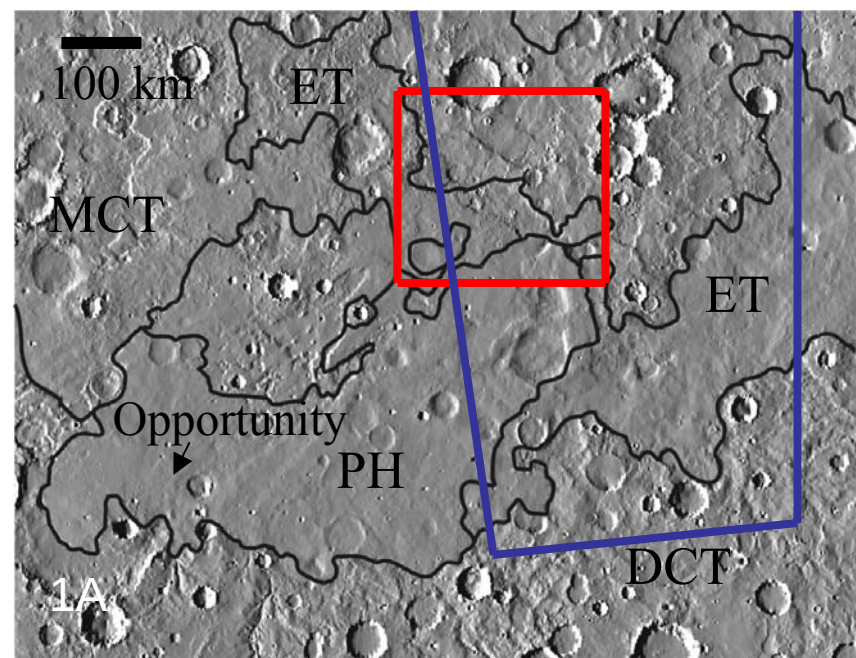


MEX OMEGA/ MER Coordinated Observations

Ray Arvidson, Francois Poulet, Jean-
Pierre Bibring, Mike Wolff, Dick
Morris, John Freeman, Frank Seelos
IV, Athena and OMEGA Teams

02/22/05



THEMIS

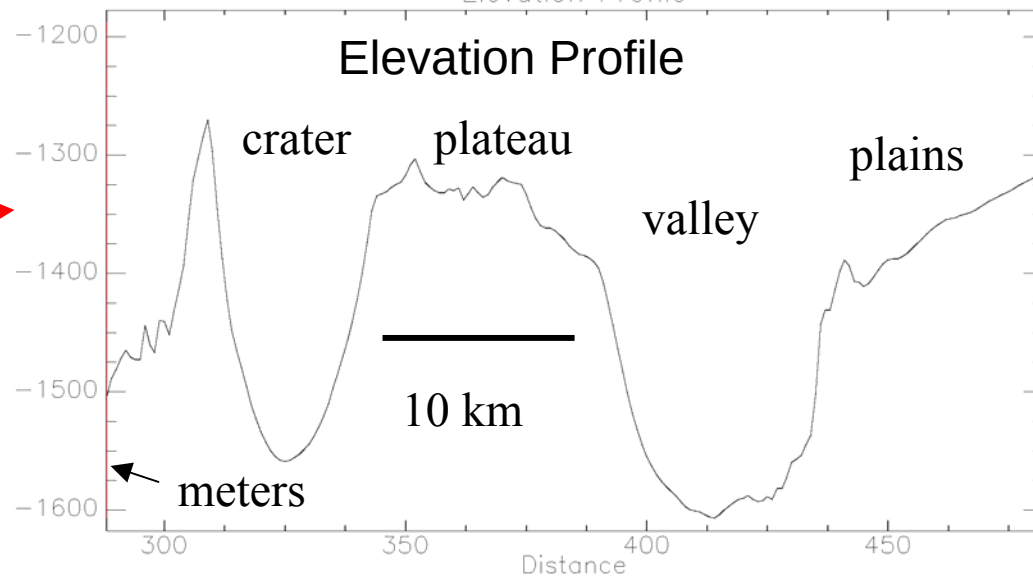
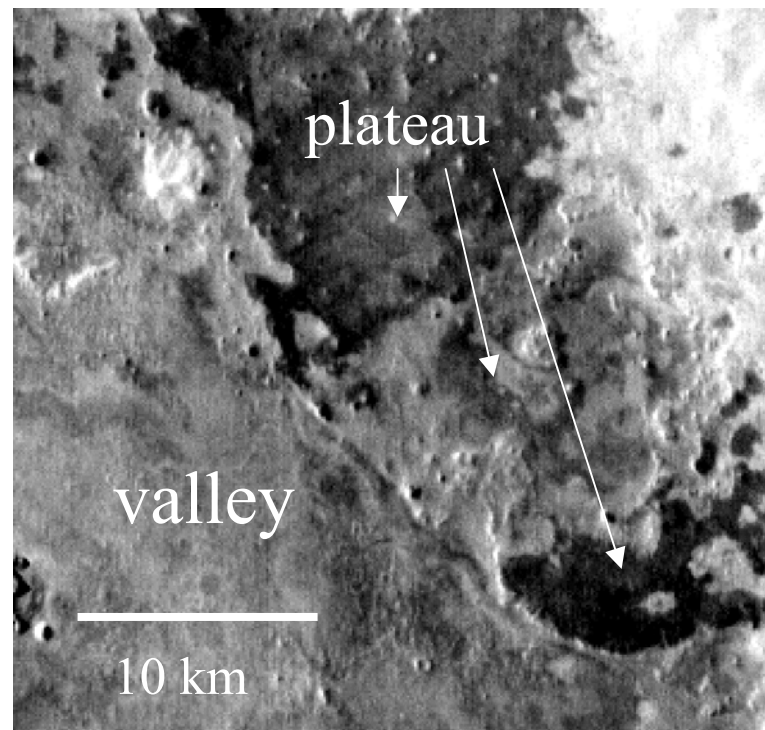
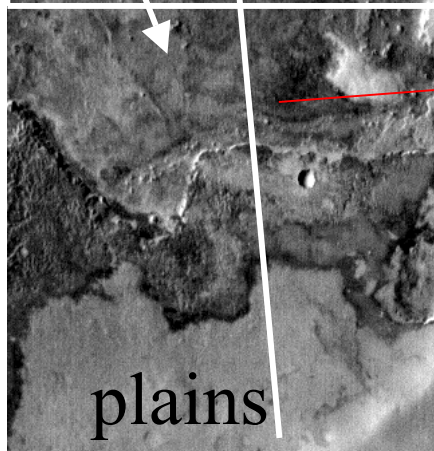
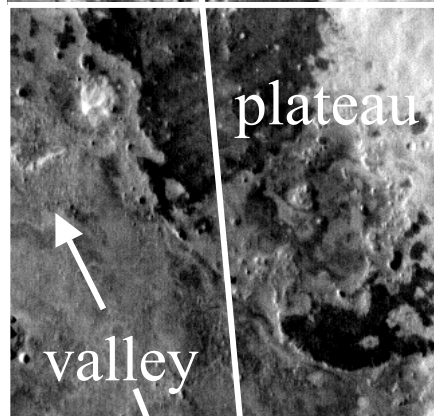
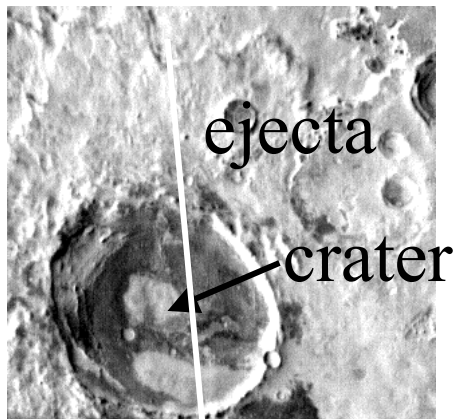
Scaled
Day IR

I02434005

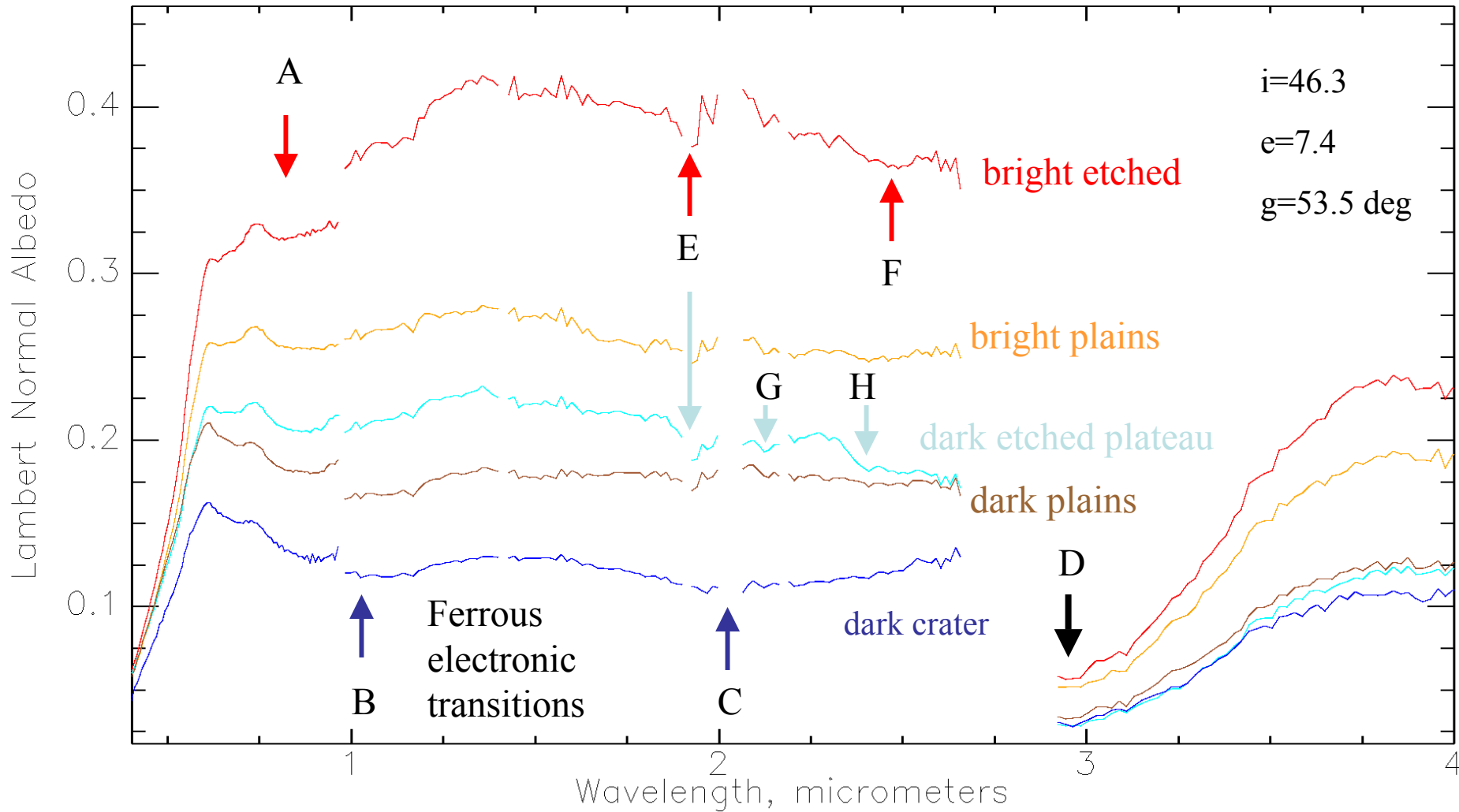
BTR

7/2/02

MLST
~16:00

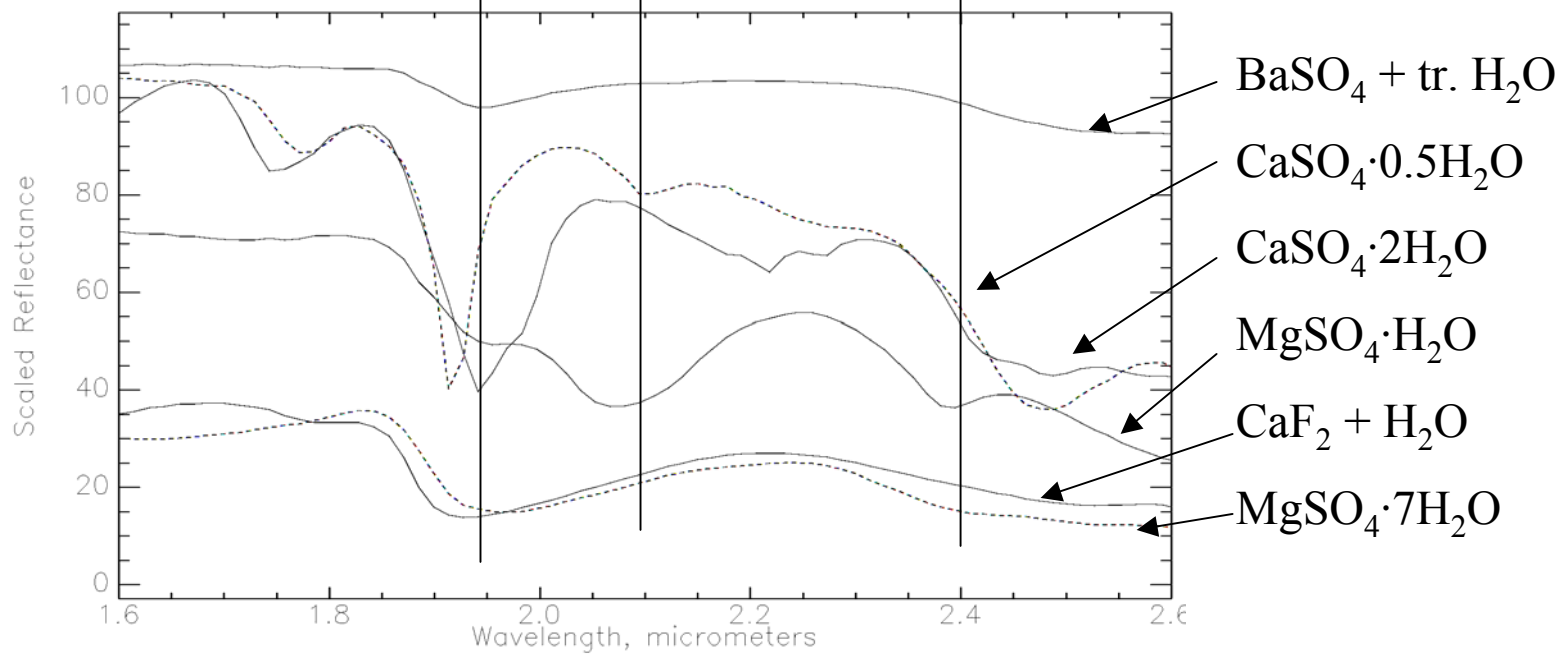
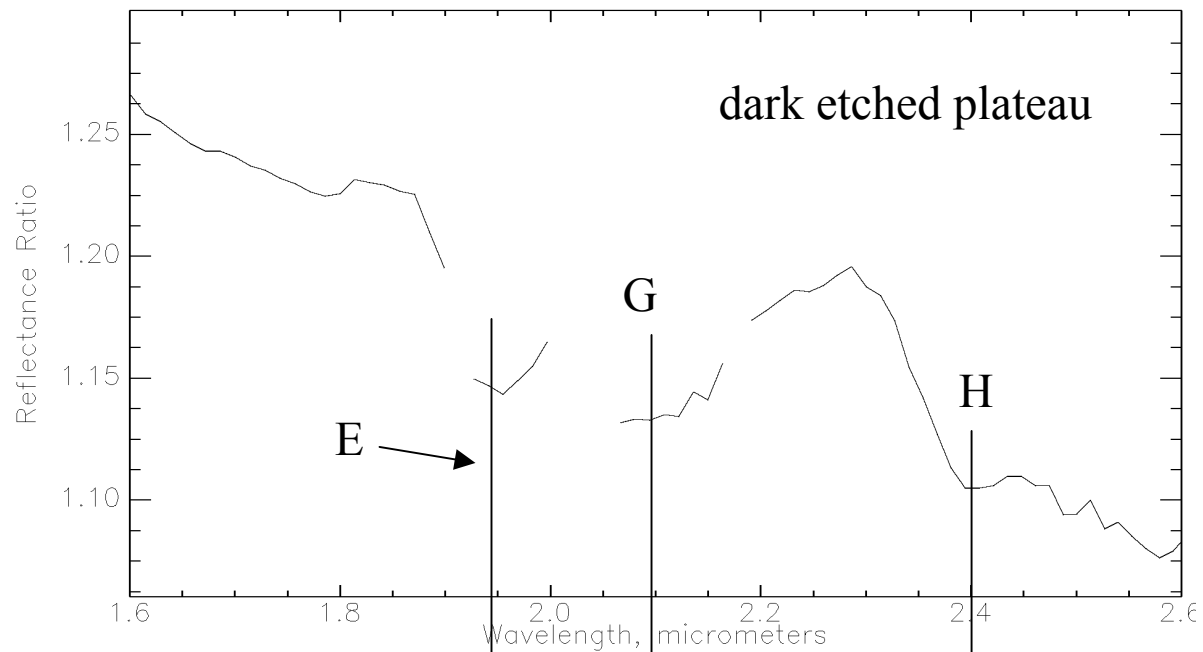


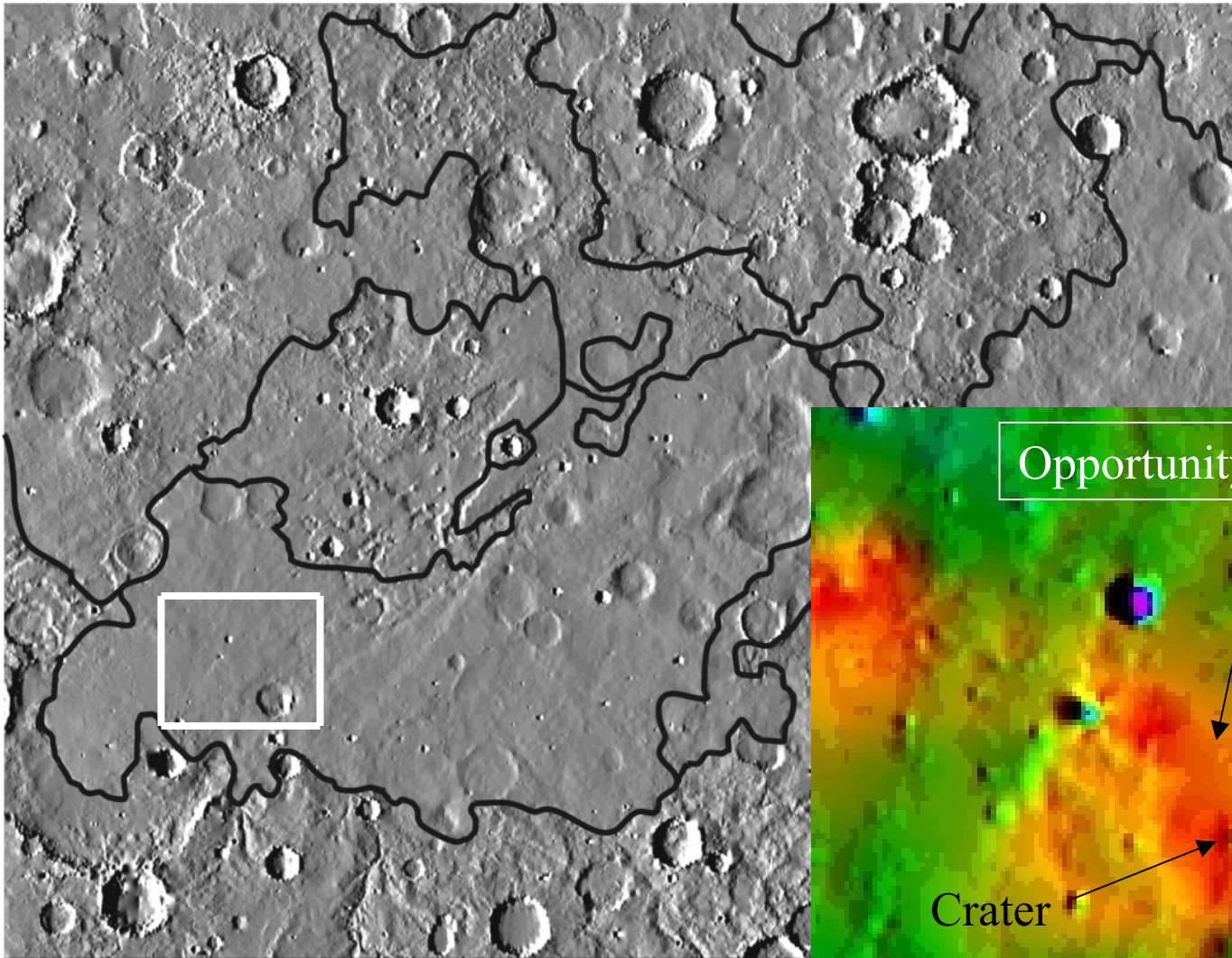
G, H = water in sulfate structure



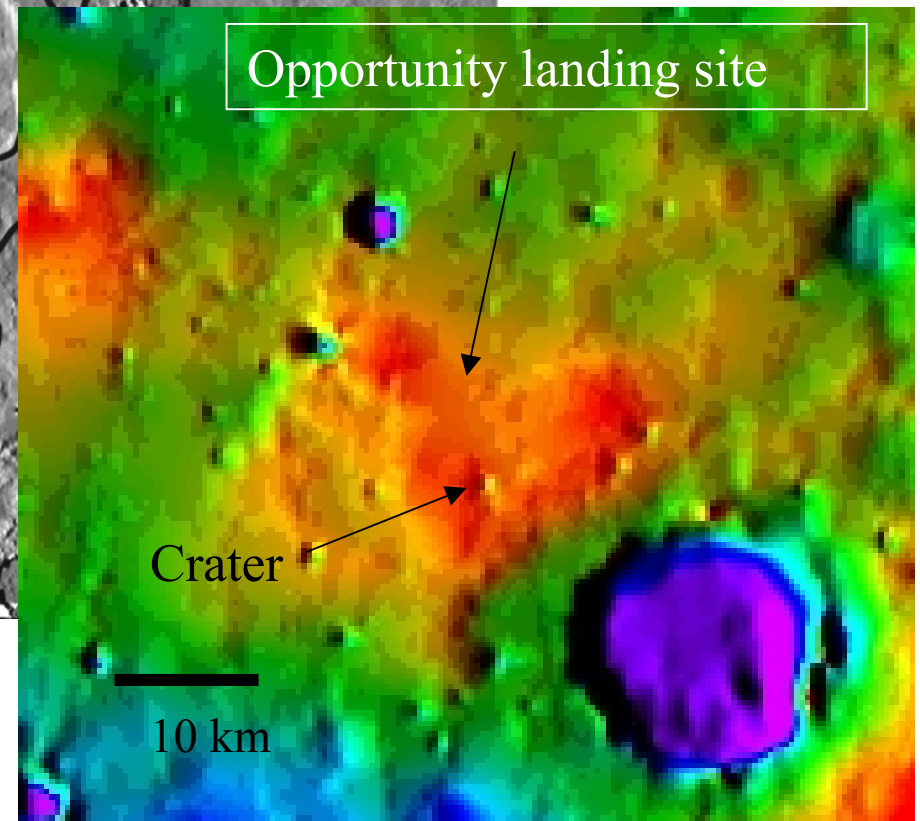
D=2.78 μm symmetrical and 2.94 μm asymmetrical OH stretch fundamentals in water

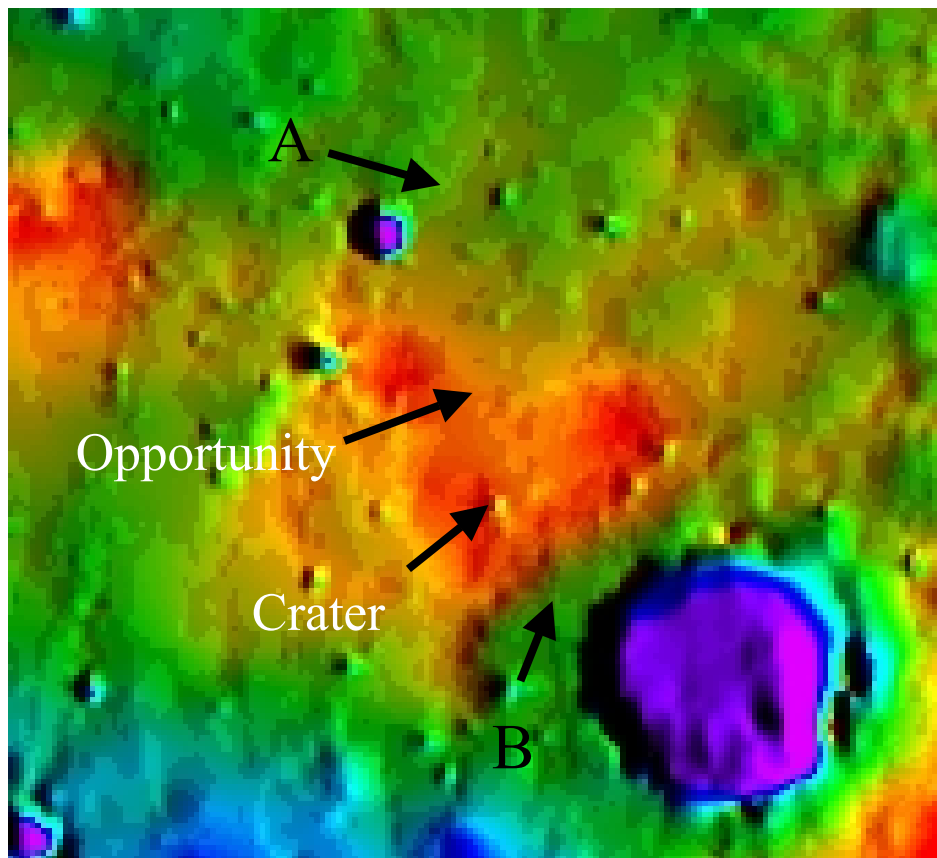
E=6.09 μm H-O-H bend and 2.94 μm asymmetrical OH stretch combination in water



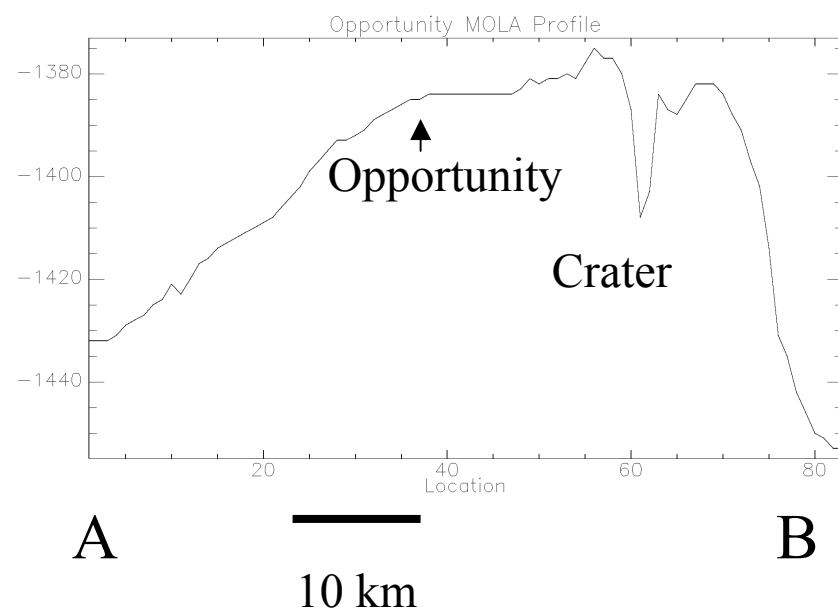


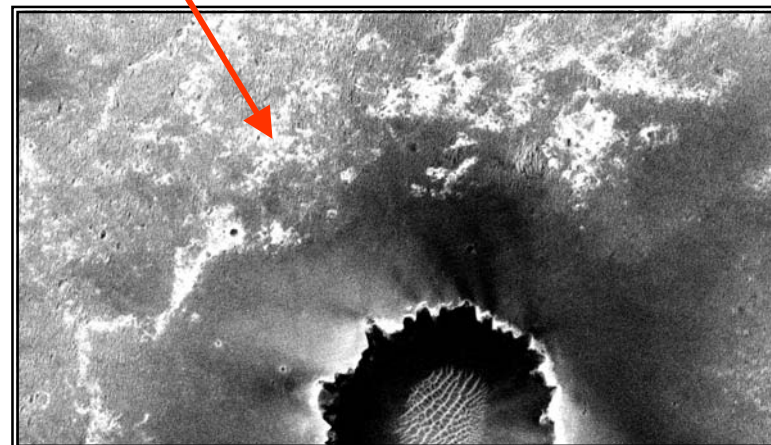
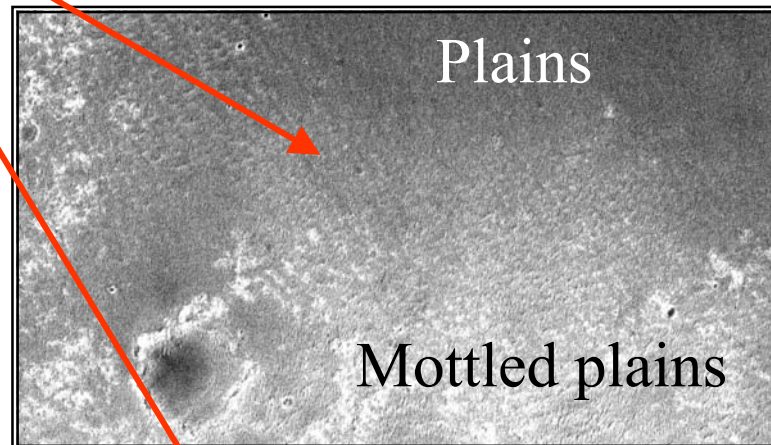
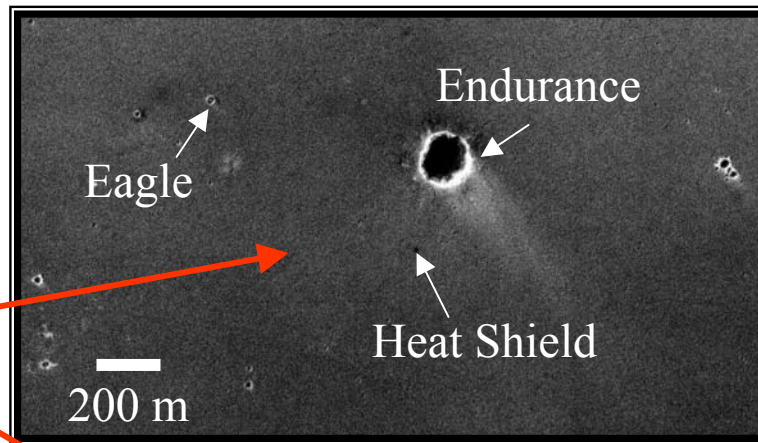
MOLA-Based Shaded Relief
Maps





Vertical Profile, meters





•OMEGA Orbit 1183-5

- 12/20/04
- 14:00 MLST
- $i=33$, $e=17.8$,
 $g=31.8$ deg

•C and L Spectrometer color composites

•MOC NA

- R1400021

Victoria

Opportunity

OMEGA 1183-5 C Spectrometer composite and C, L spectra

Mottled
Etched
Terrain



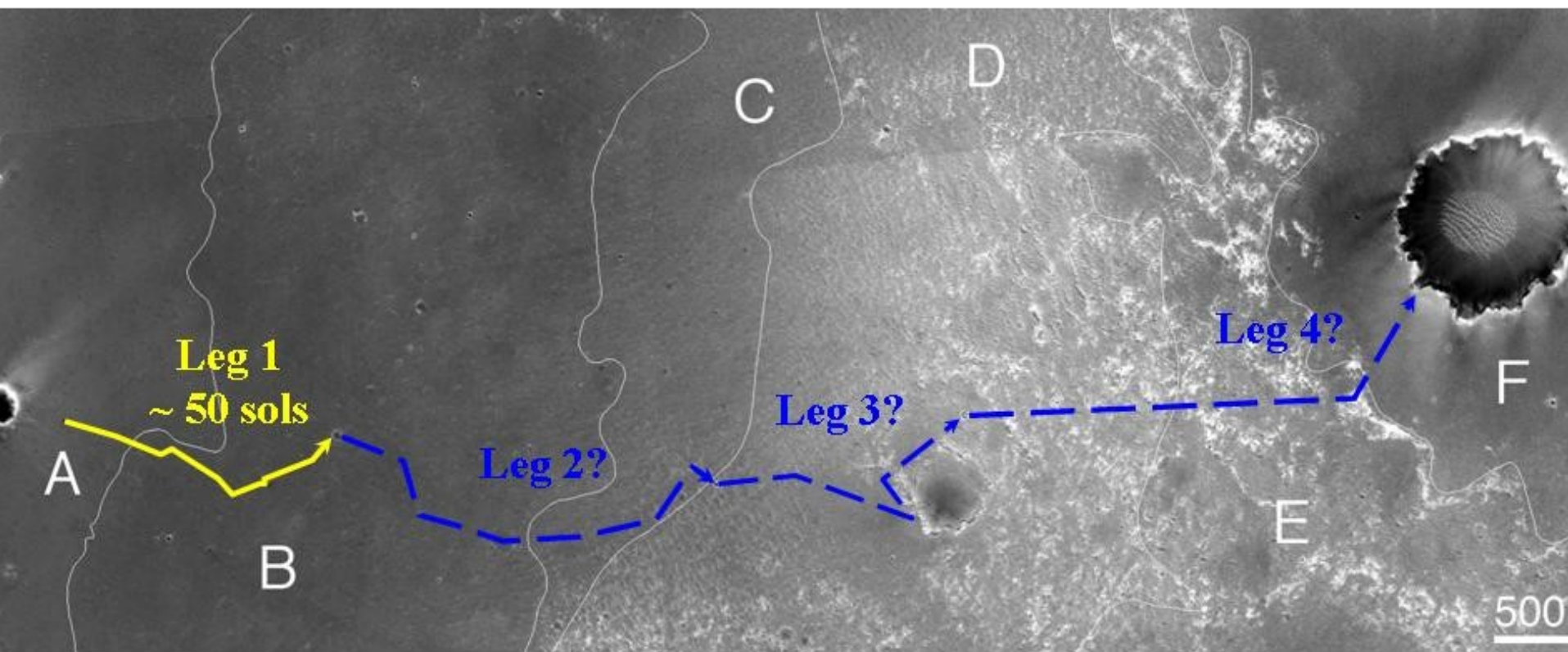


Looking Forward

Opportunity

Long Term Planning

Mars Exploration Rover



North