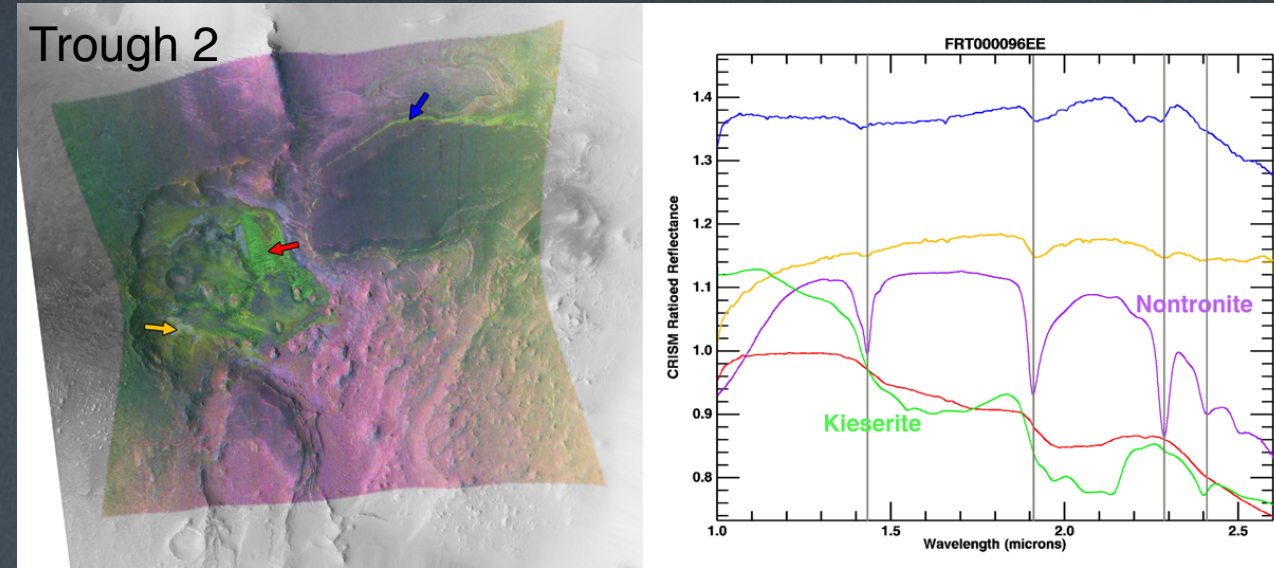
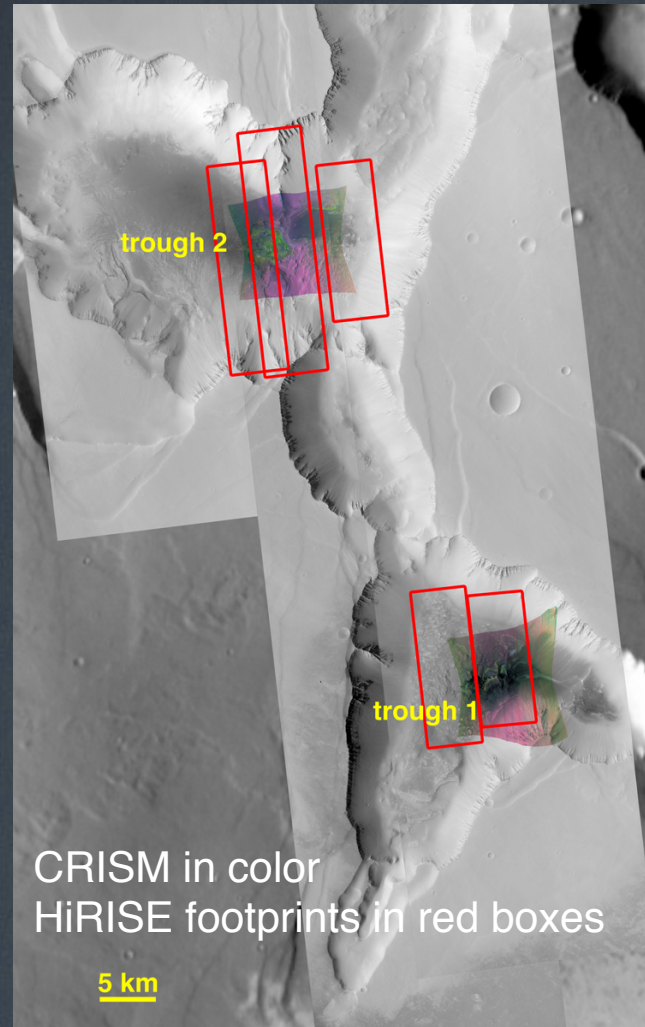
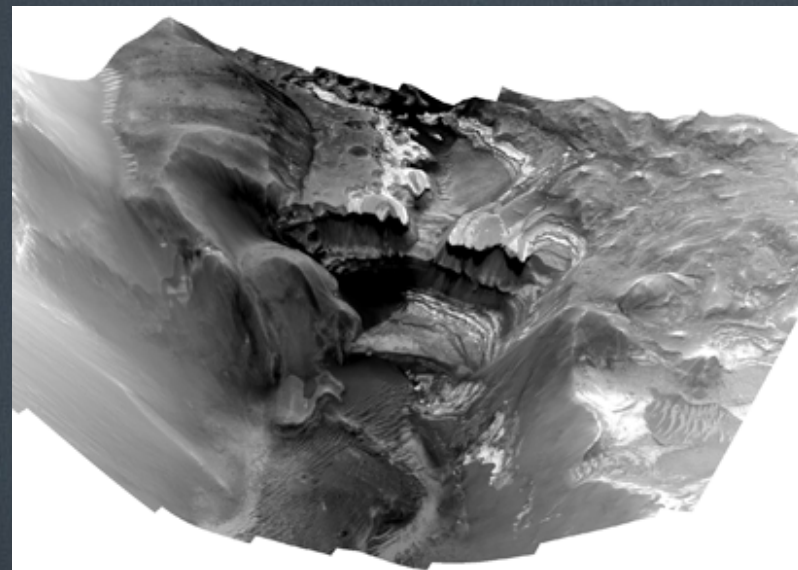


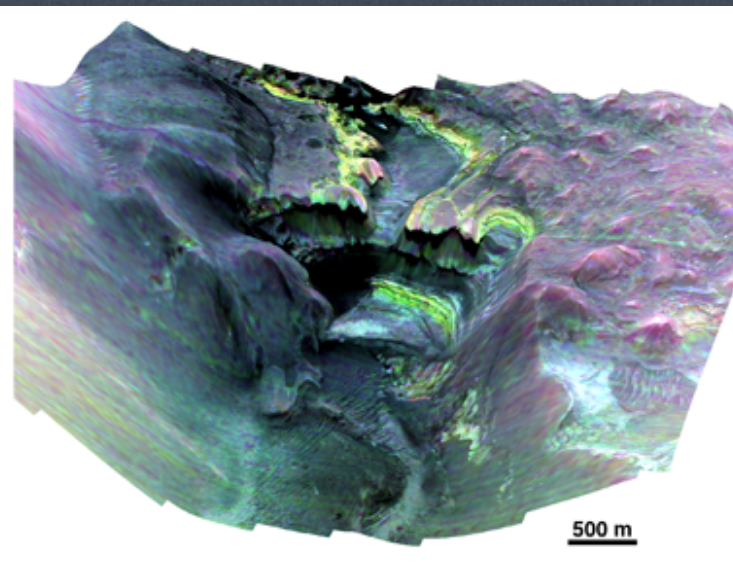
# Exploring Noctis Labyrinthus



- Morphologic and mineralogical diversity in several troughs of Noctis Labyrinthus indicate localized processes.
- Inter-bedding of sulfates and smectites in at least 2 troughs indicates fluctuations between alkaline to acidic conditions.
- Lake-like (lacustrine) origin for sediments is likely but cannot rule out wind or volcanic ash that was altered by groundwater.



Trough 1: HiRISE DTM



CRISM in color overlaid on DTM

