

Four MSL Candidate Sites



2nd MSL Landing Site Workshop - October, 2007

Avernus Colles

Valley Terminus

Dao Vallis

Valley Terminus

NW Isidis Basin

Old Juicy Rocks

Escarpment

Xanthe/Hypanis

Valley Delta (Safe Haven)

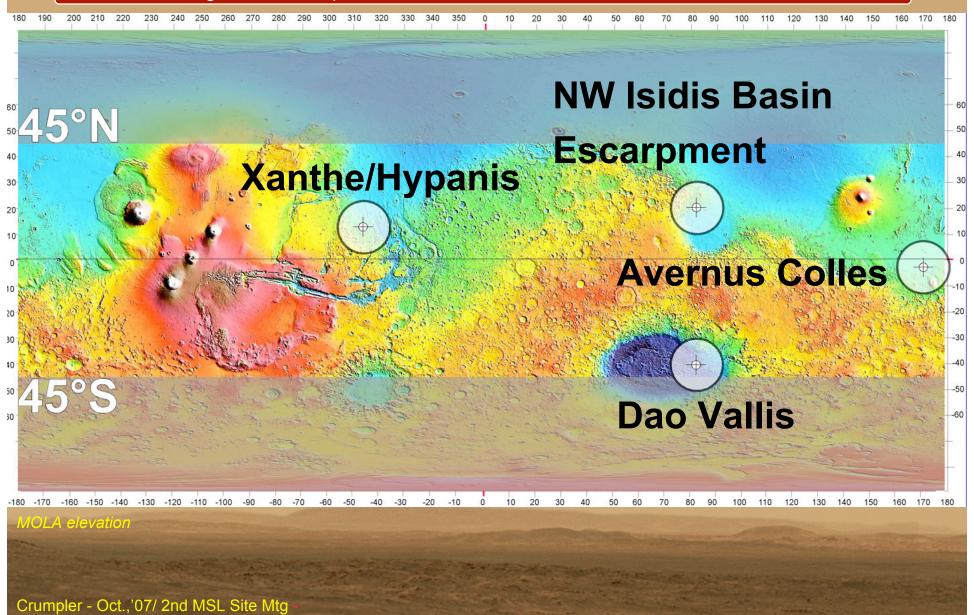
-L.S. Crumpler-

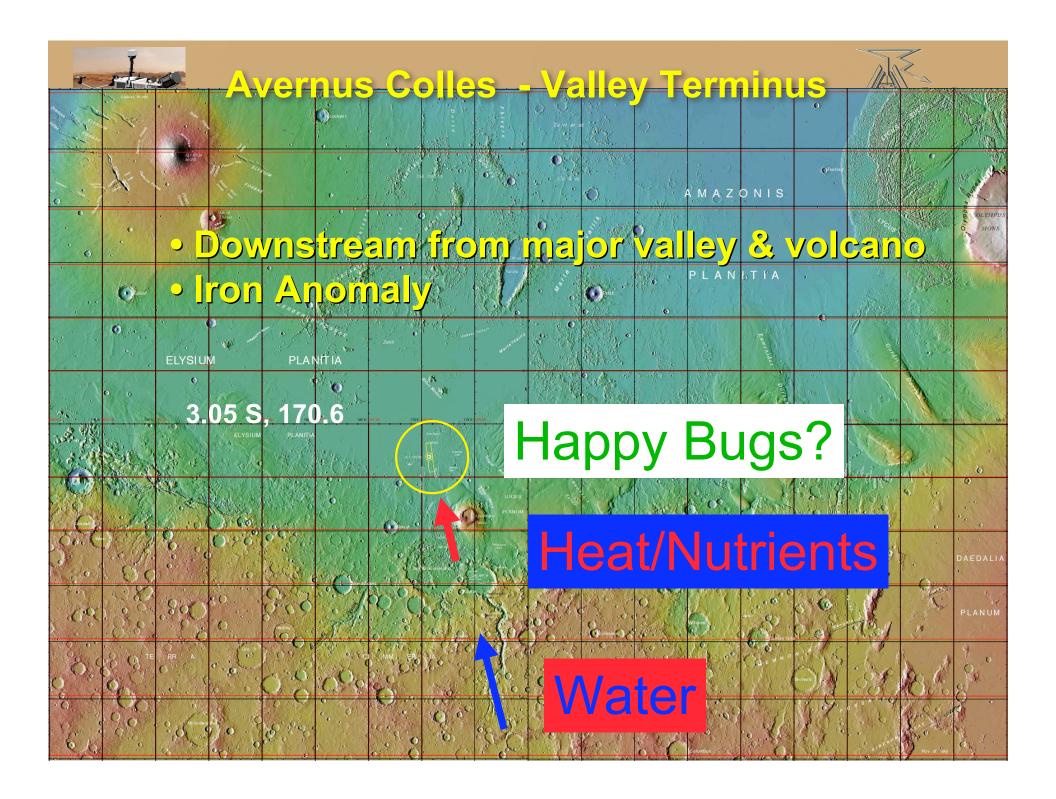


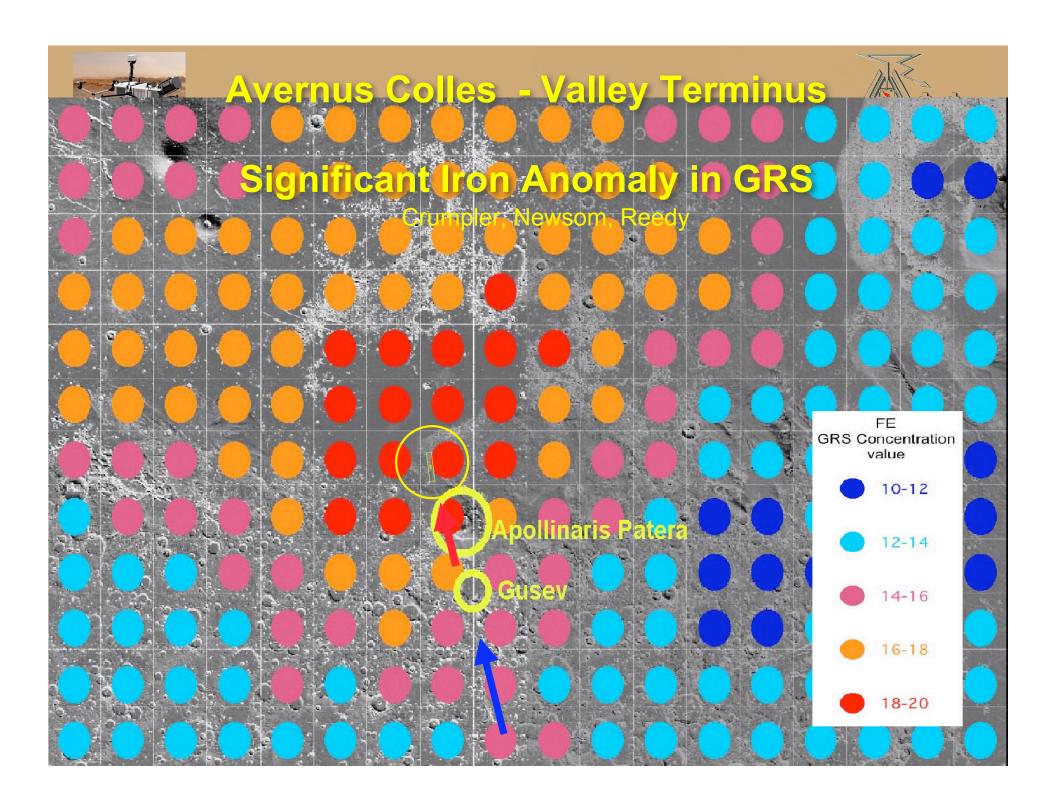
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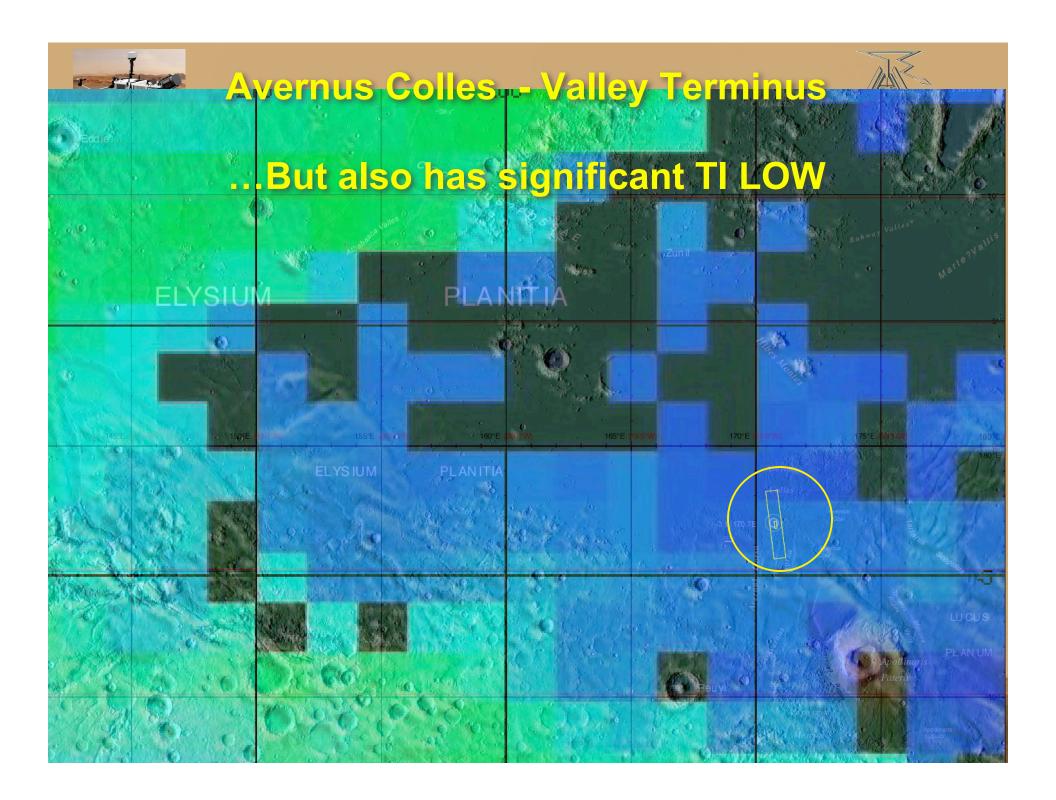


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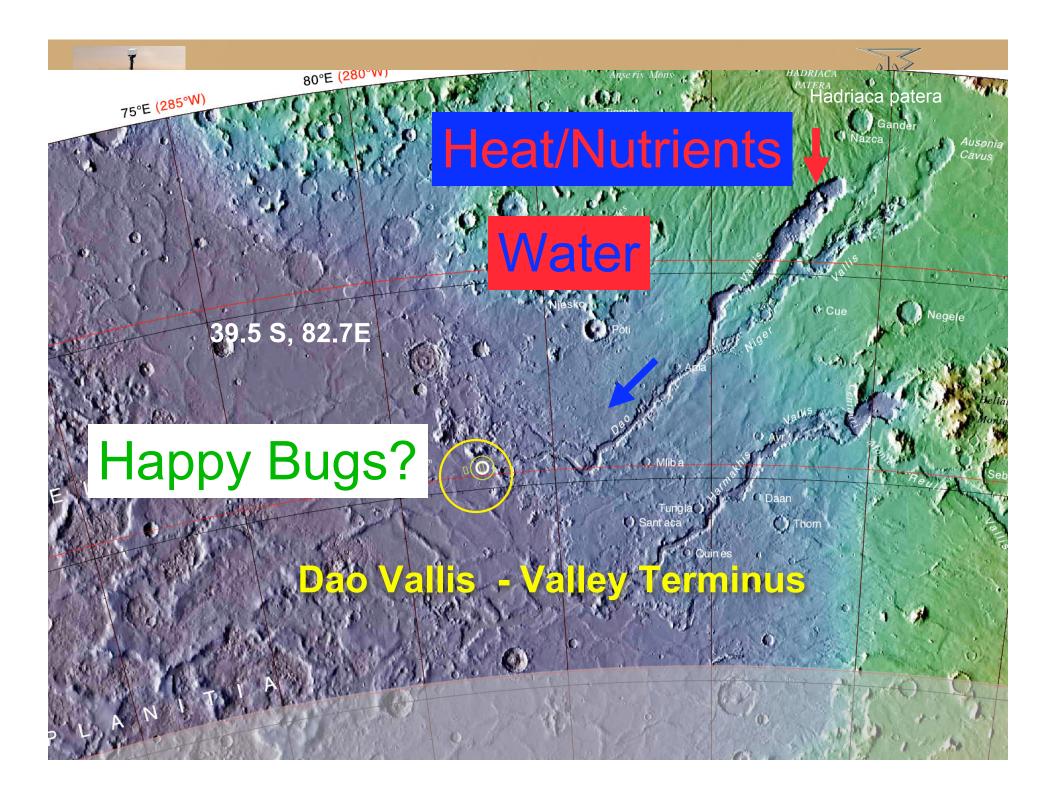


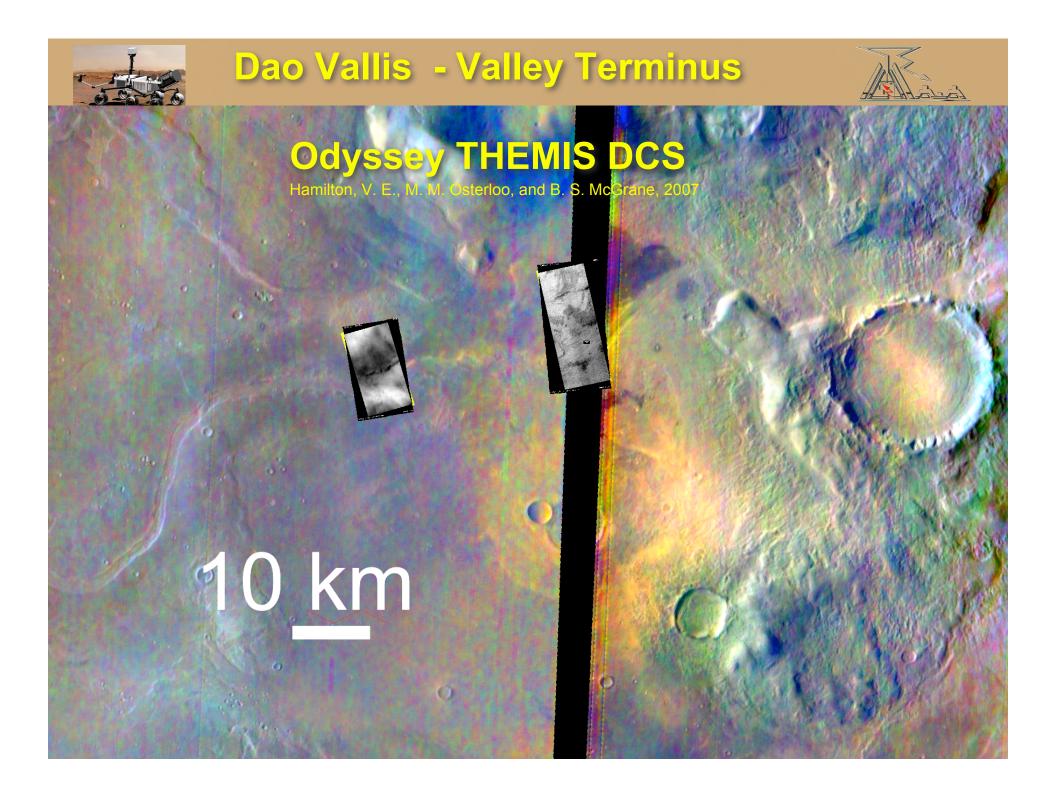


Avernus Colles - Valley Terminus





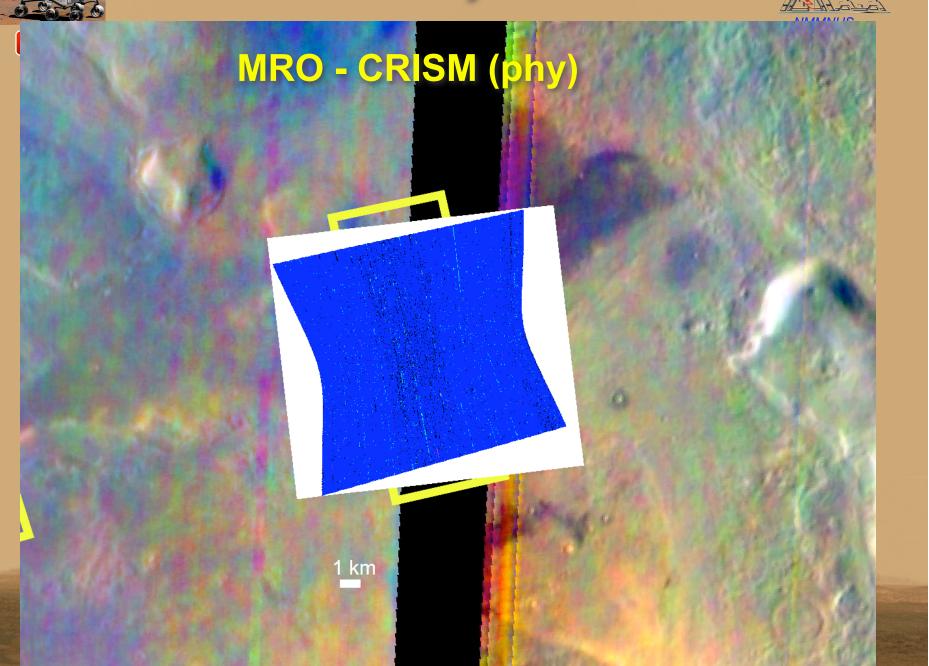


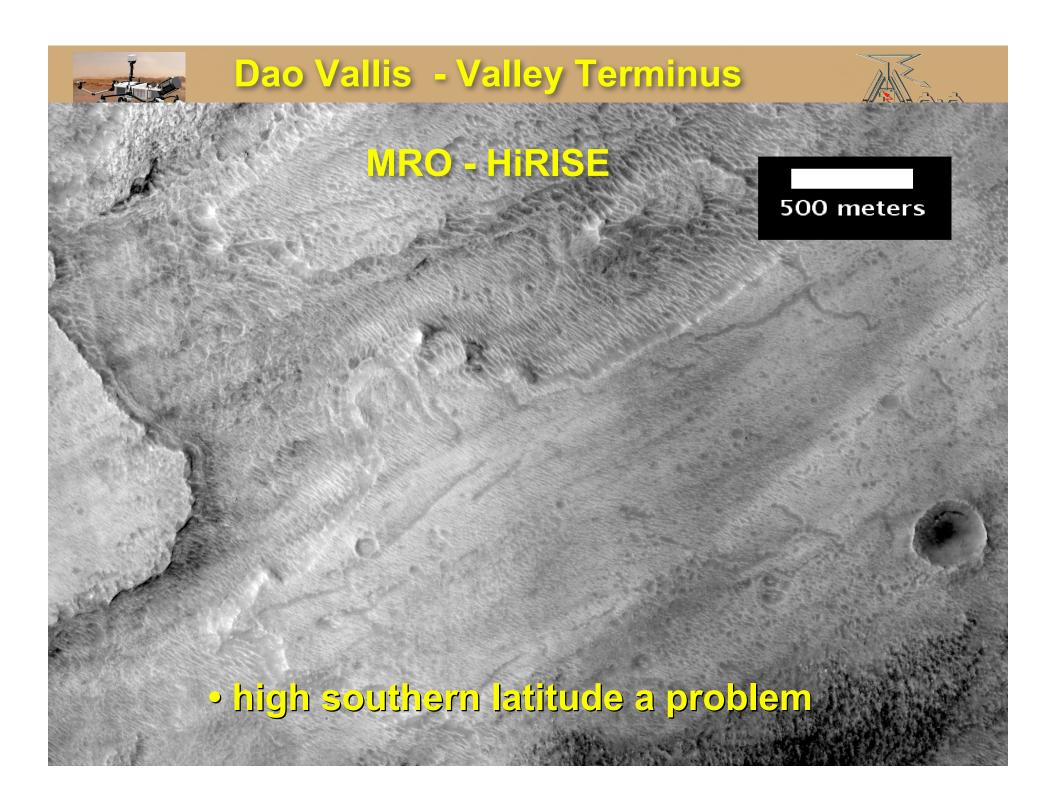


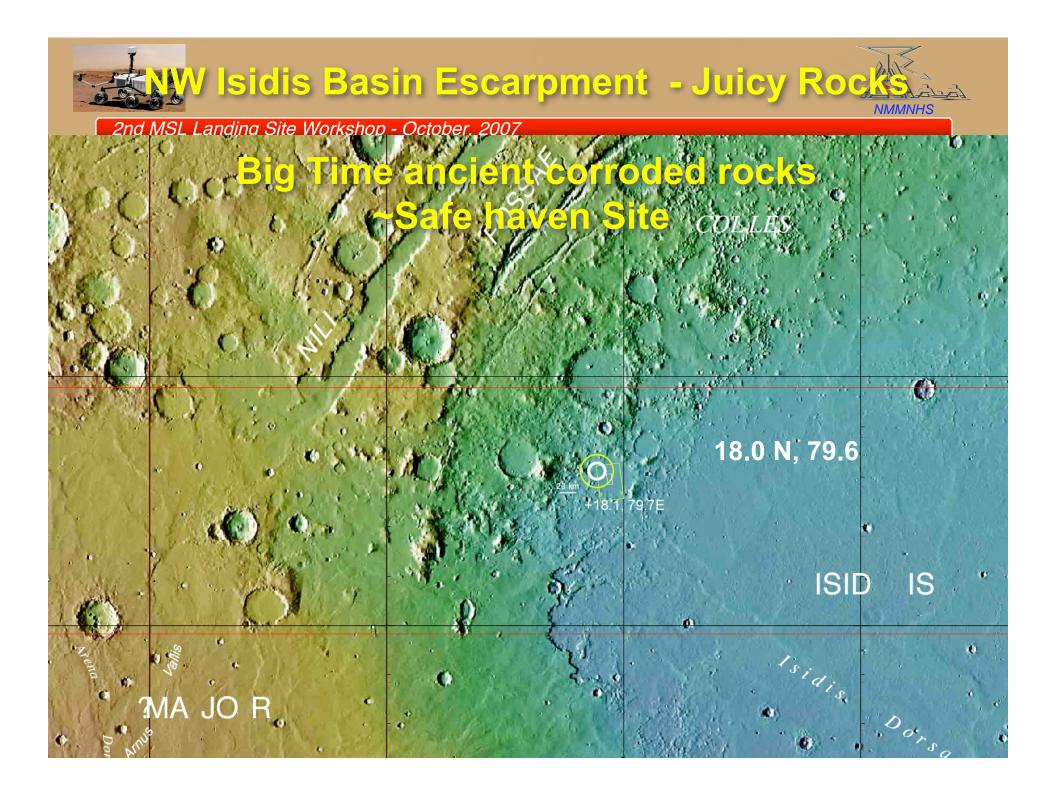


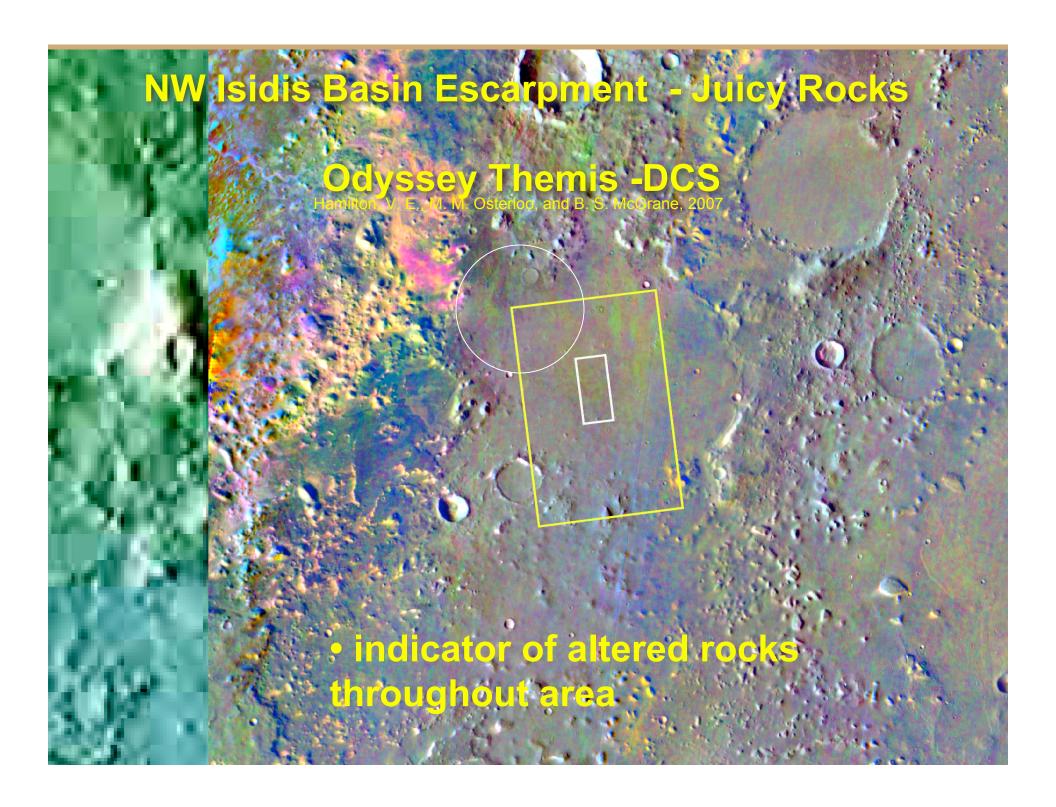
Dao Vallis - Valley Terminus











NW Isidis Basin Escarpment - Juicy Rocks

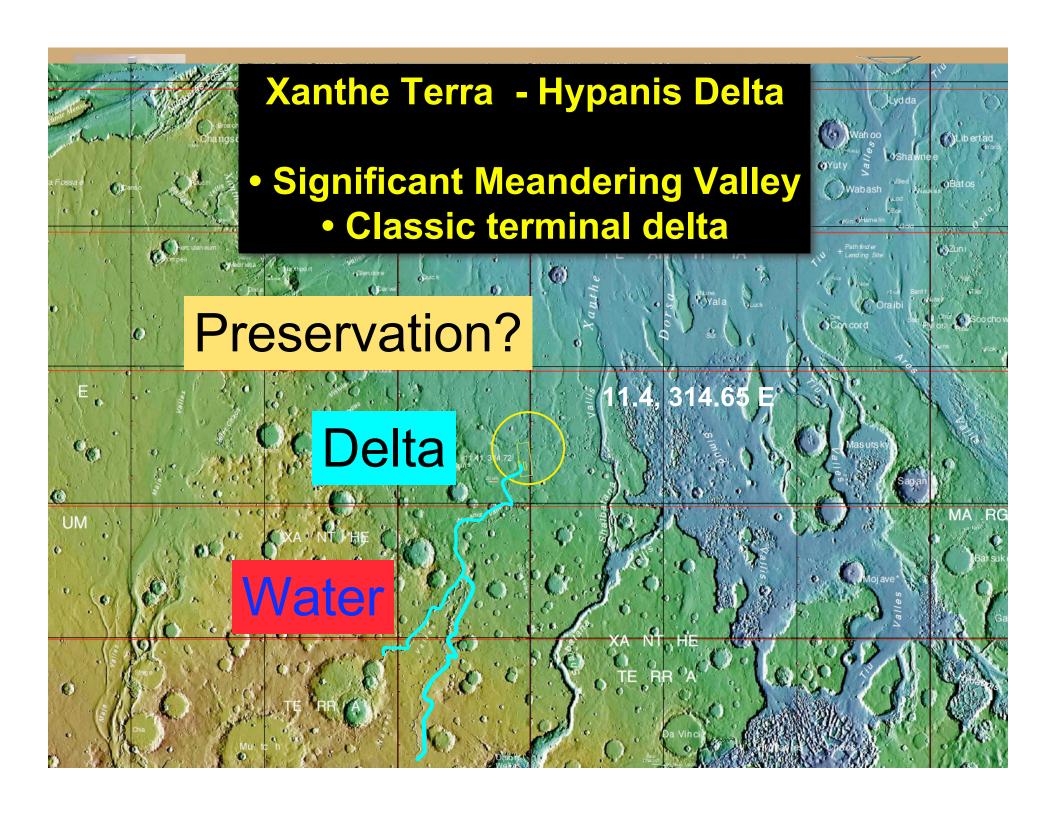
MRO - CTX

5 KM



Isidis Basin Escarpment - Juicy Rocks



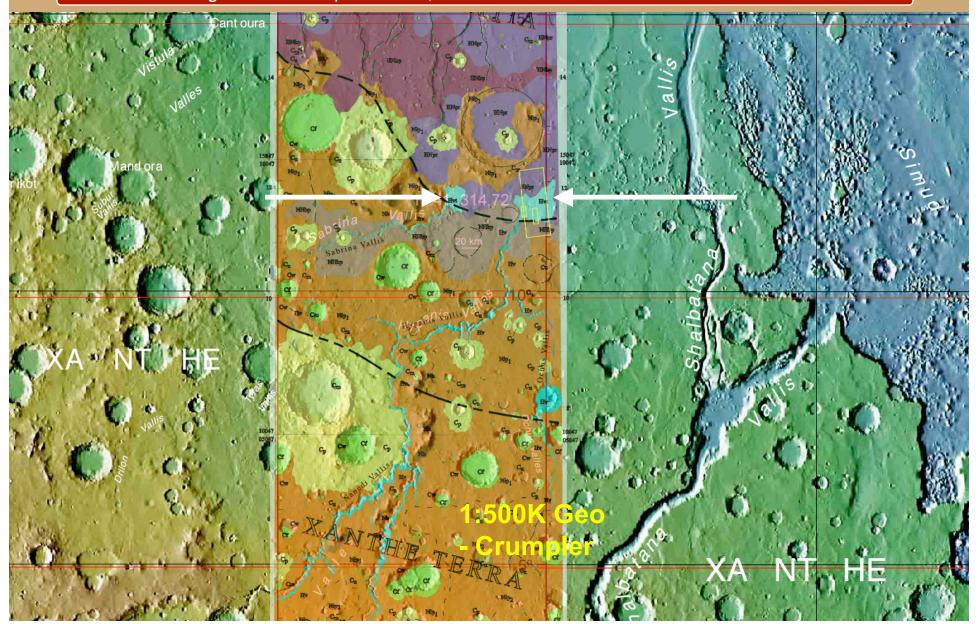


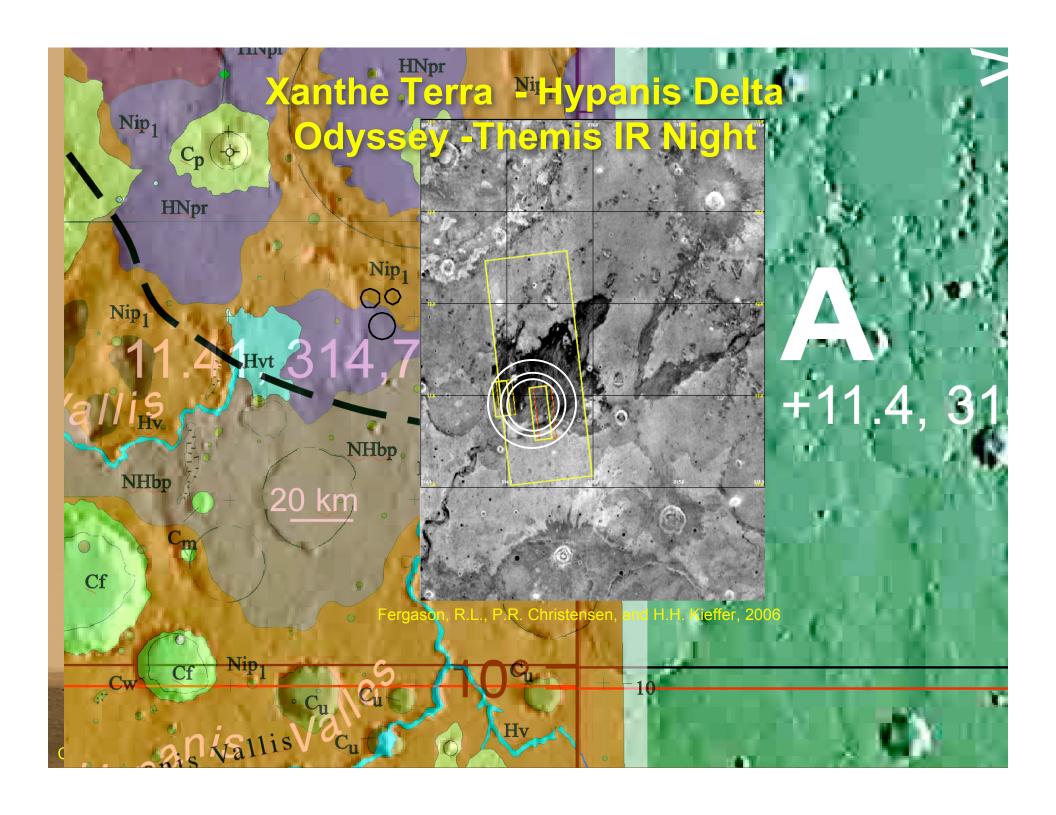


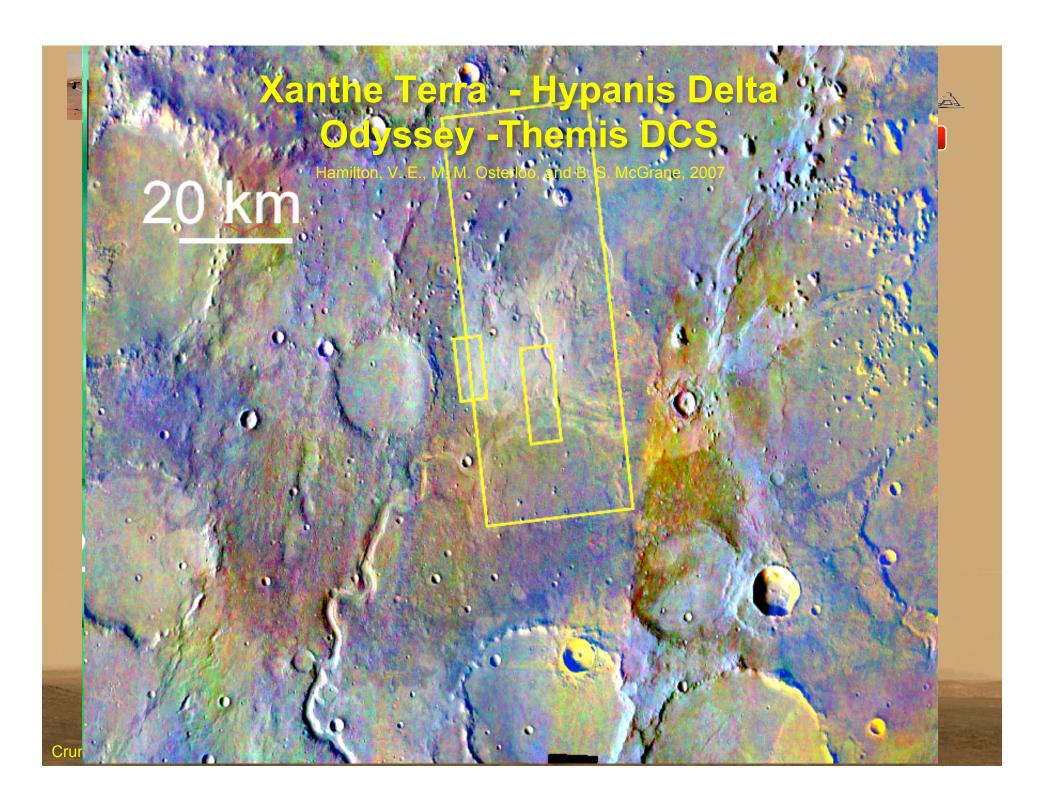
Xanthe Terra - Hypanis Delta

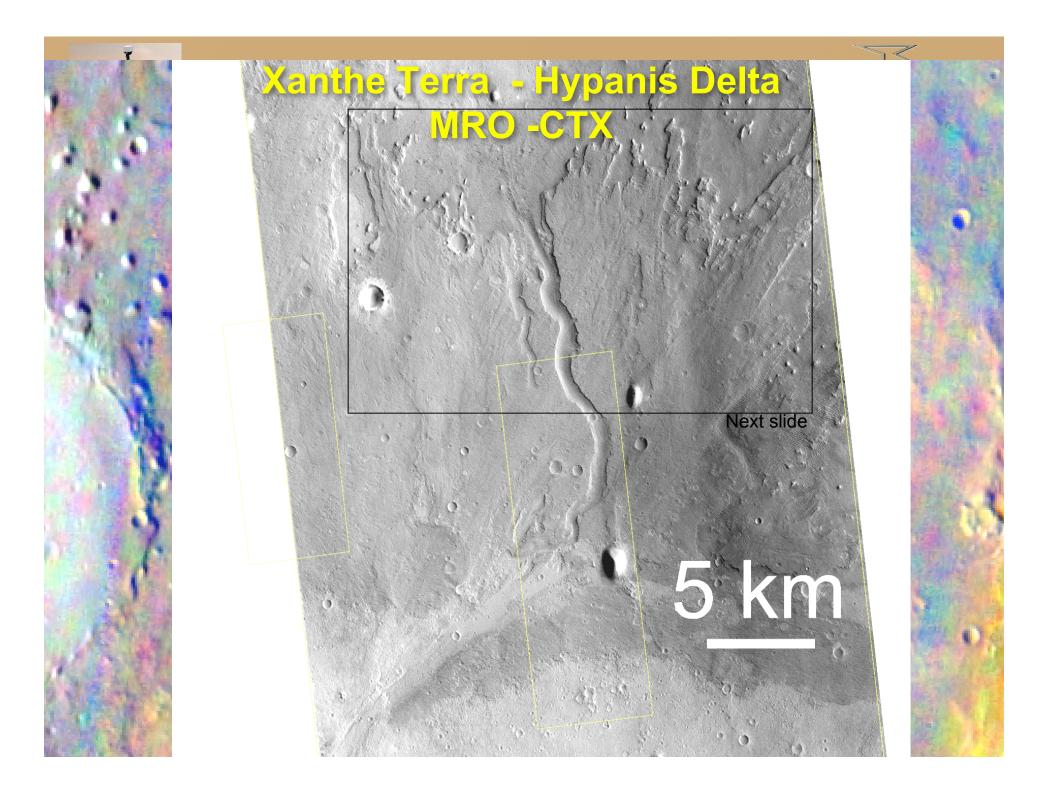


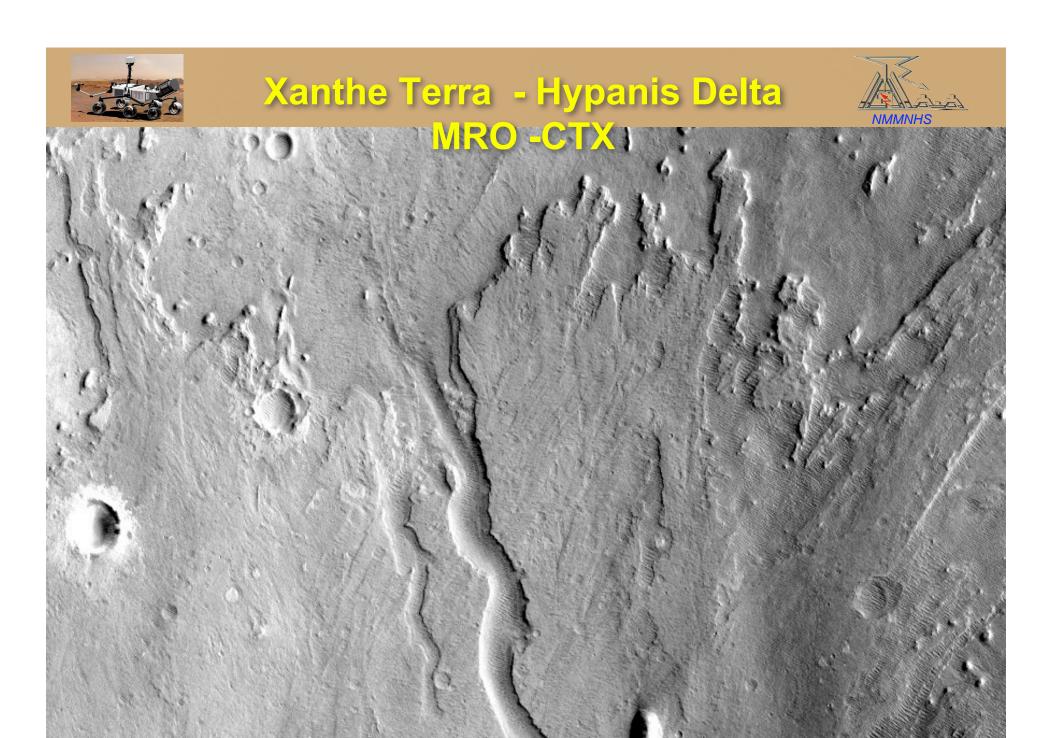
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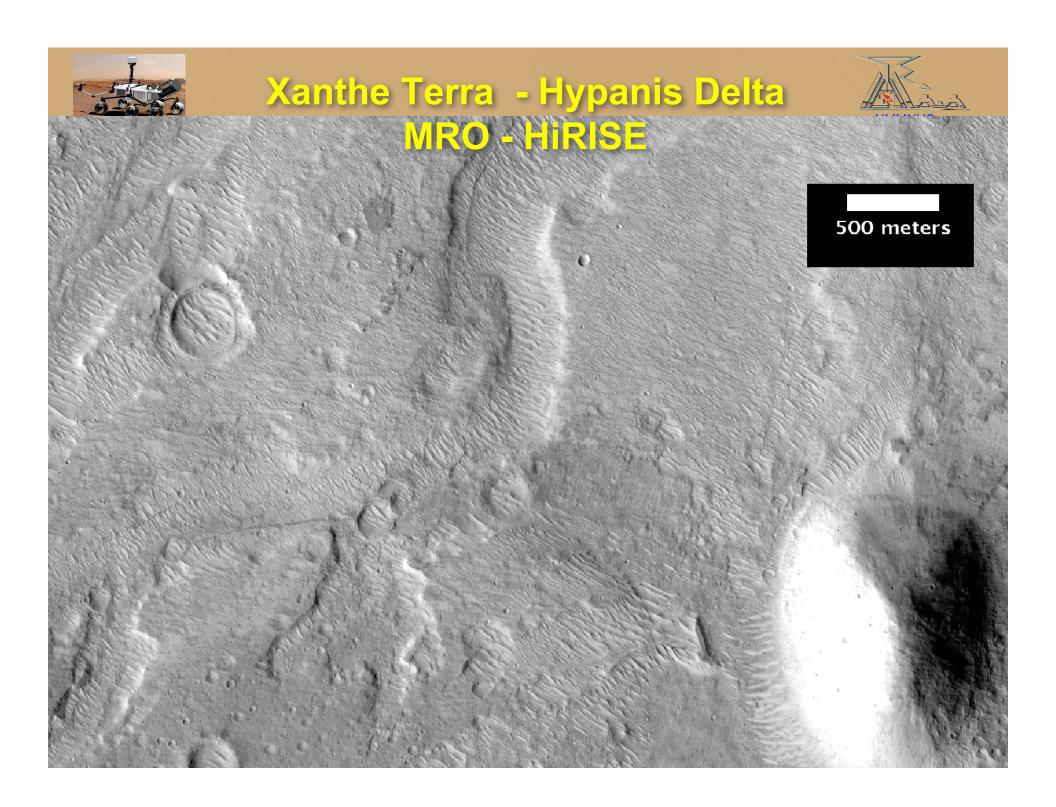














Relative Ranks (scale of 1 to 5)



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Science Criteria		Avernus	Dao Vallis	NW Isidis	Xanthe/	
			Colles		Escarpment	HypanisDelta
	Assess Bio Potential w/ MSL Payload	Evidence for Habitable Environment	3	3	4	5
		Preservation of Biosignatures	1	2	2	5
	Characterize Geology/ Geochemistry	Context within Geologic Timescale	4	4	4	5
		Context within Stratigraphic Setting	4	4	3	5
	Accessibility	Assessed by Rover/Arm	3	5	4	4
		Distance/ trafficability	4	5	3	5
		Dust Obscuration	1	3	5	2
	Reduced Performance	Thermal Constraints	5	1	4	5
大學化 四	Rank	Total	25	27	28	36