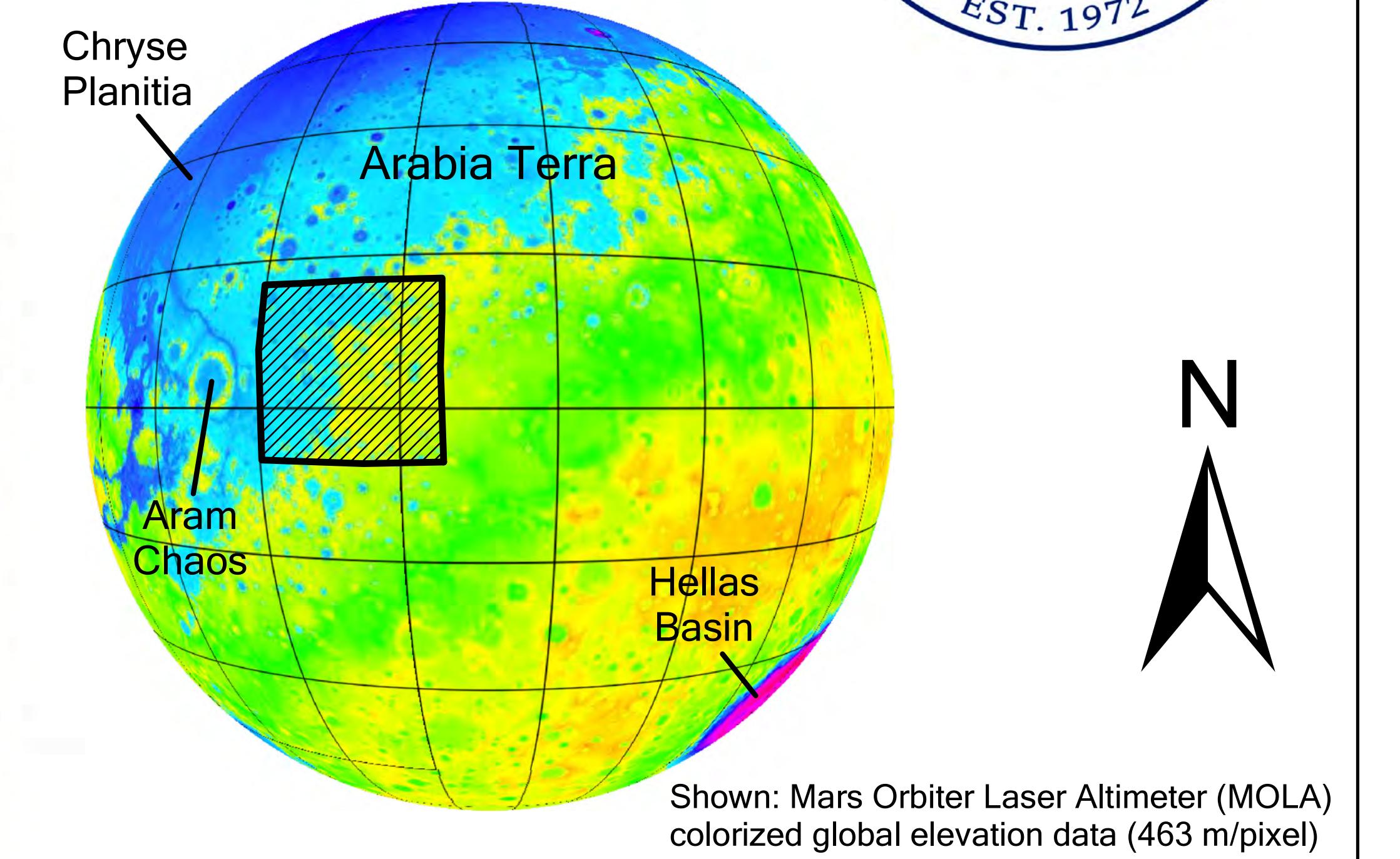



Valley Network Morphology in the Greater Meridiani Planum Region, Mars

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LEGEND

- Valley Network Morphologic Types**
- Ridges (Ridge1-Ridge7)
 - Troughs (Trough1-Trough2)
 - Channels
 - Pitted
 - Knobs
 - Two or more types
 - Classic Valley Network
- Candidate Paleolakes**
- Hynek et al. (2010) Valley Networks**
- Hynek and Di Achille (2017)**
- Geologic Units**
- Chaotic (Hptc)
 - Plains (Hp)
 - Hematite (HMh)
 - Undivided etched (HNMeu)
 - Upper etched (HNMe3)
 - Middle etched (NMe2)
 - Lower etched (NMe1)
 - Cratered (Nhc2)
 - Subdued crater (Nhc1)
 - Internal crater deposits (ci)
 - Crater fill (cf)
 - Well-preserved crater (c3)
 - Moderately eroded crater (c2)
 - Highly eroded crater (c1)
- In stratigraphic order (oldest at bottom)**
- Geologic Contacts**
- Approximate
 - Certain

REFERENCES

Hynek, B. M., & Di Achille, G. (2017). Geologic Map of Meridiani Planum, Mars. U. S. Geological Survey Scientific Investigations Map 3356. Scale 1:20,000,000. <https://doi.org/10.3133/sim3356>.

Hynek, B. M., Beach, M., & Hoke, M. R. T. (2010). Updated global map of Martian valley networks and implications for climate and hydrologic processes. *Journal of Geophysical Research*, 115, doi:10.1029/2009JE003548.