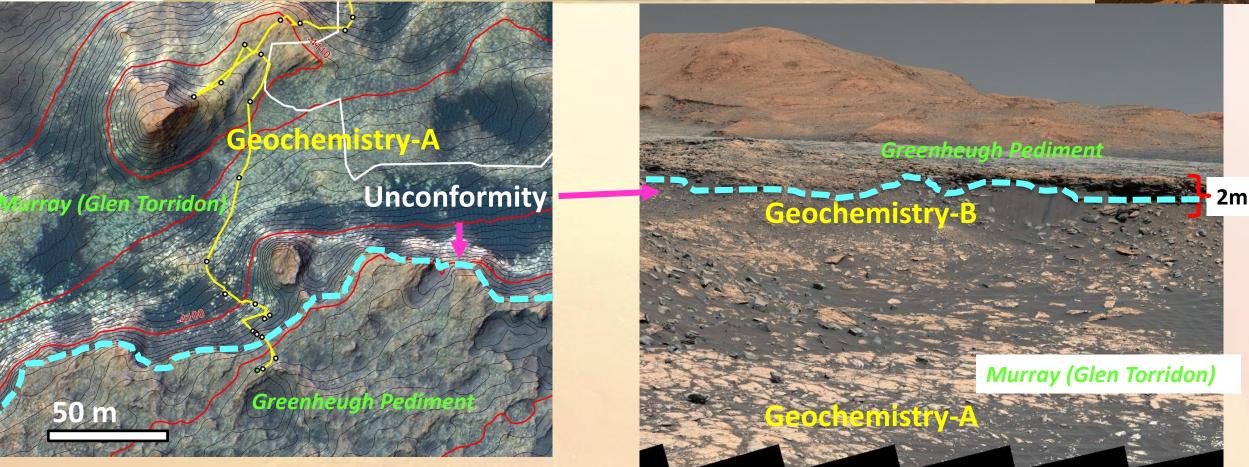
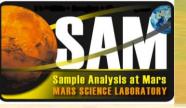


Geochemical Processes Along the Greenheugh/Glen Torridon Unconformity in Gale Crater



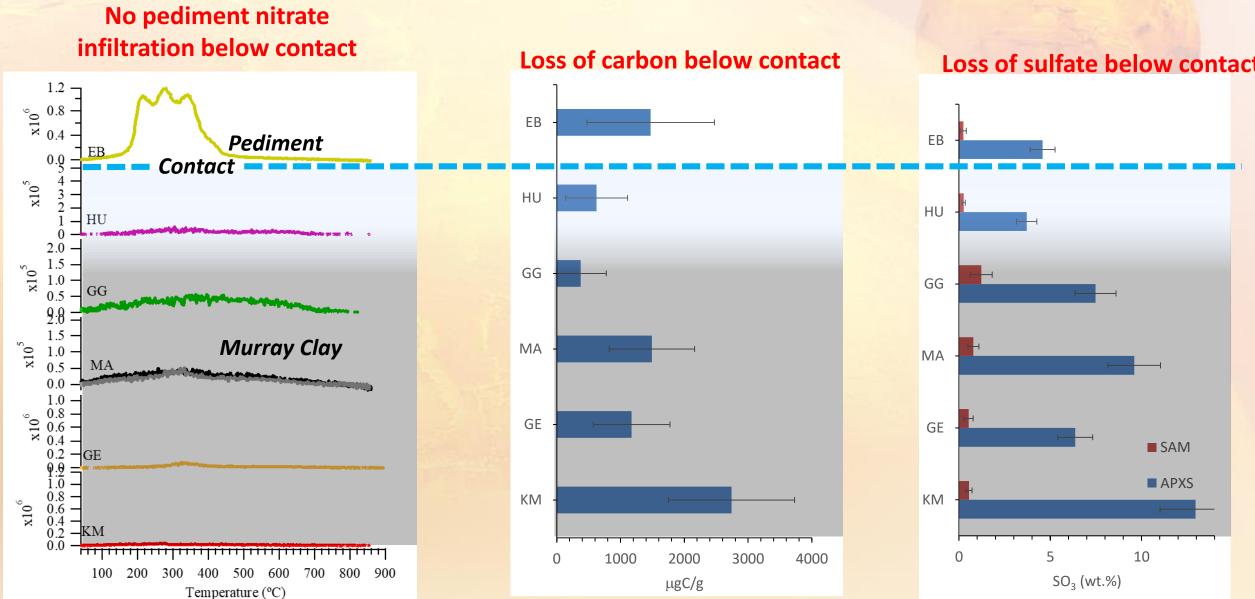
*Geochemistry-A differs from Geochemistry-B below unconformity.

*What processes caused this geochemical variation?



Geochemical differences consistent with past <u>diagenetic conduit</u> <u>alteration</u> or <u>subaerial alteration</u> processes.







Broader Implications



- Results are consistent with aqueous conditions being active after truncation of the Murray material or Pediment deposition.
 - Conditions well into the late Hesperian could have supported microbial habitability.

- Detection of limited microbial essential nitrogen below contact; however, could have limited microbial populations in the Murray material.
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