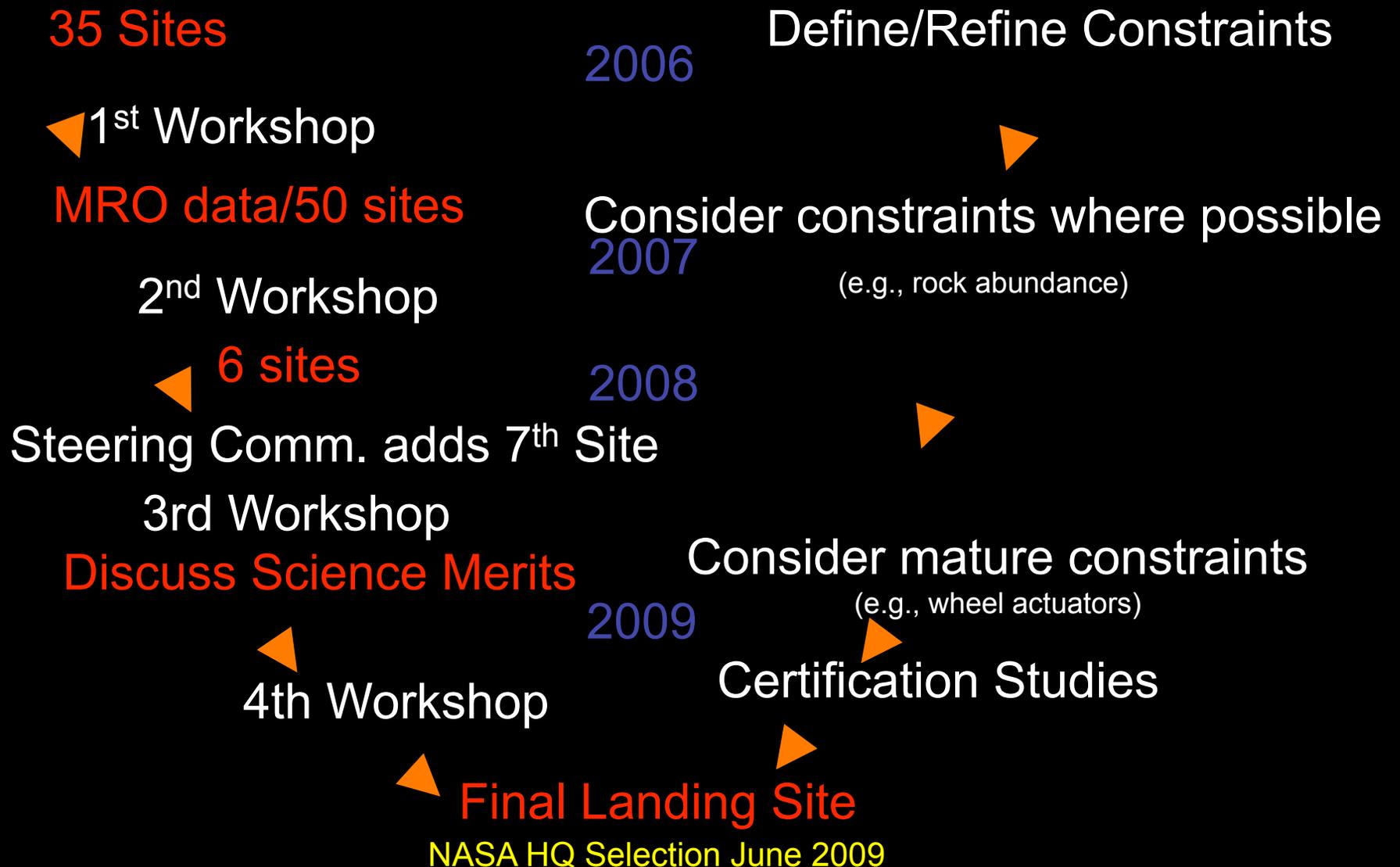
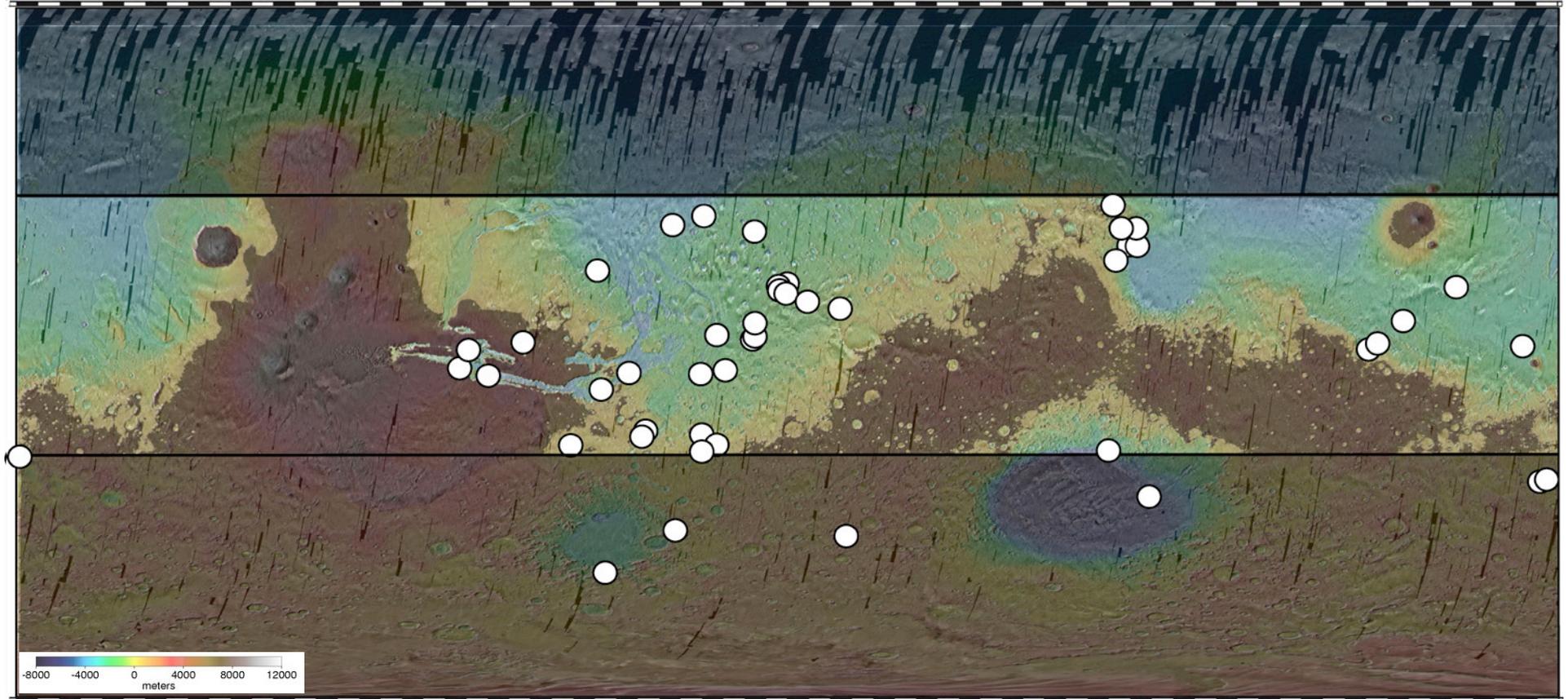


MSL Site Selection Milestones:

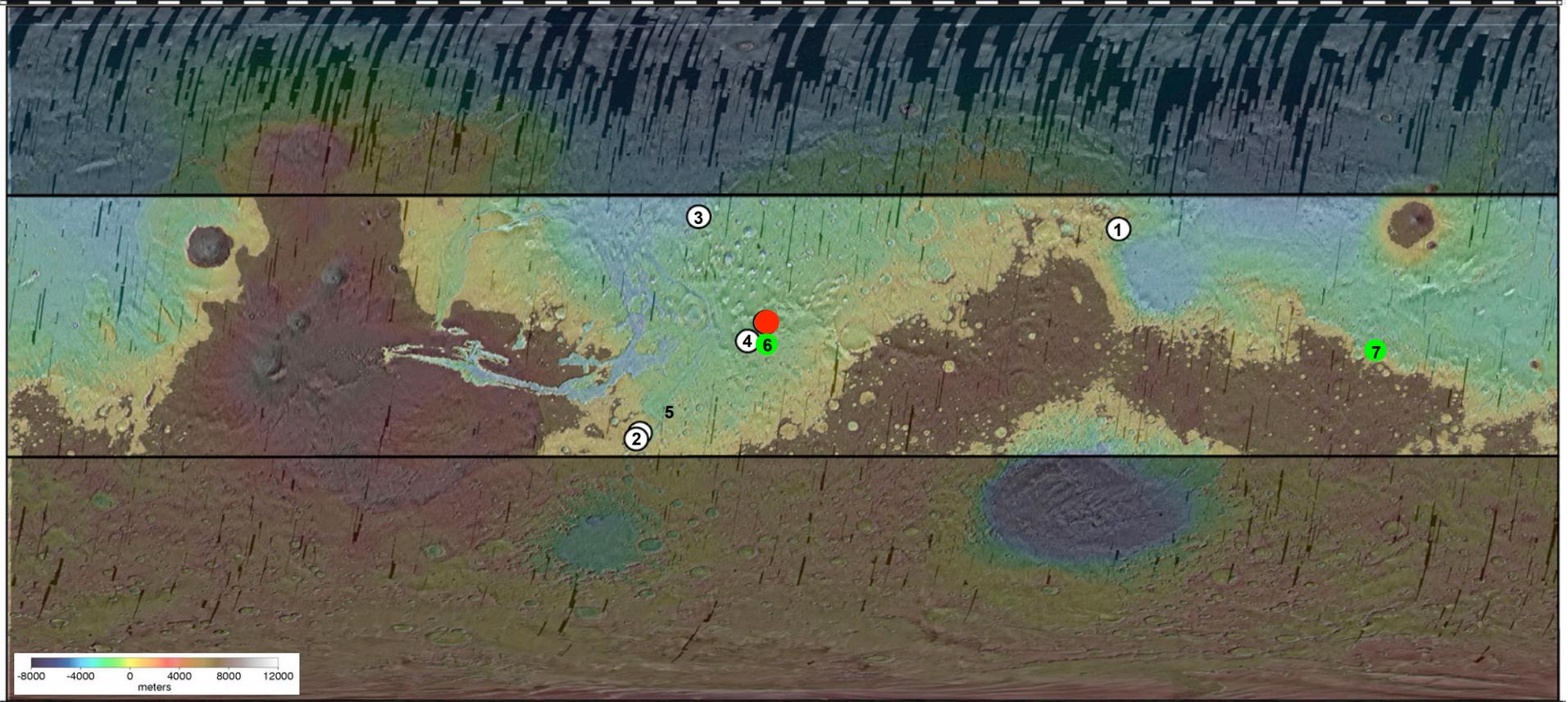


All MSL sites proposed at 1st and 2nd workshop)



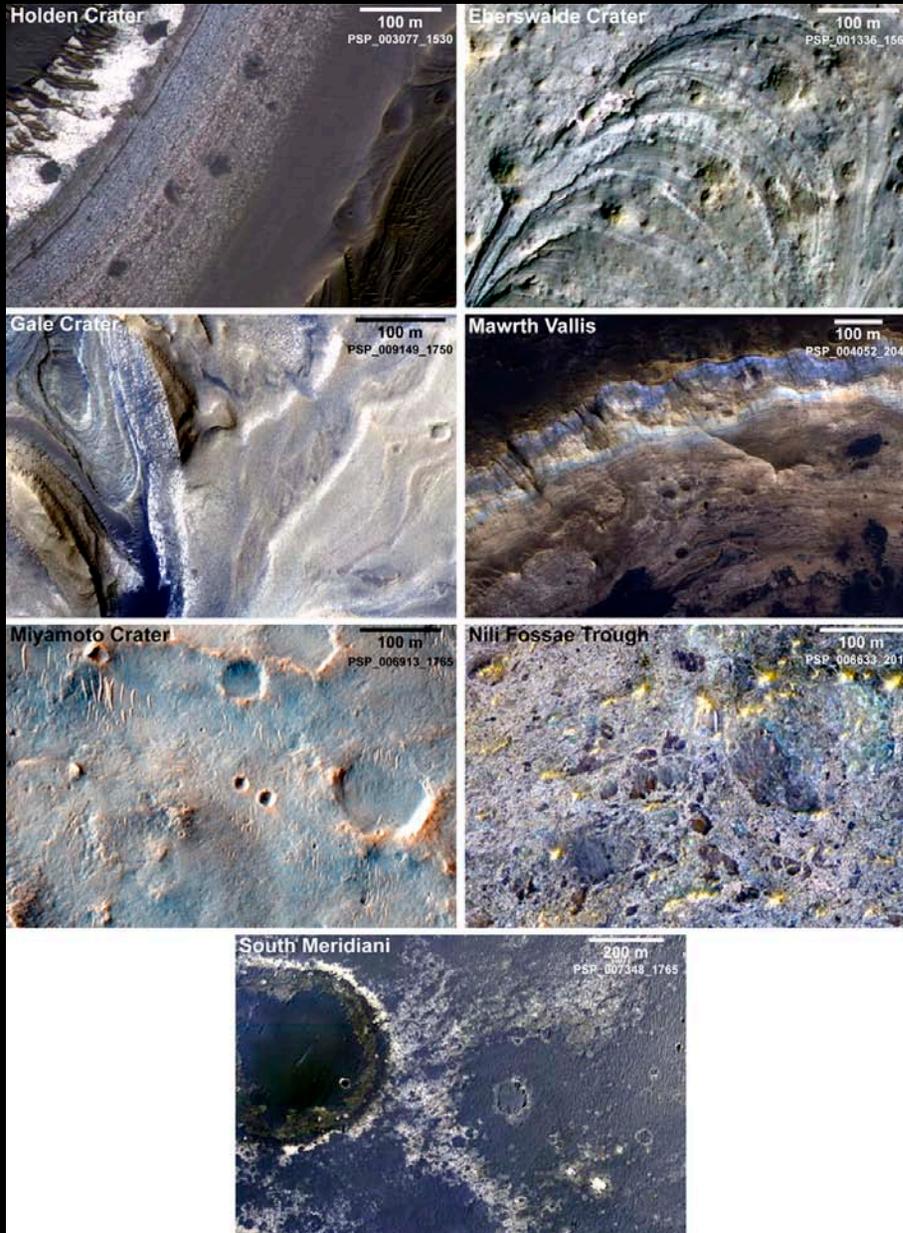
Shaded areas are above +30°N and below -30°S, and all elevations over +1 km

Seven Sites Remaining Under Consideration:



- | | | |
|---|--------------------------|-------------------|
| ① | Nili Fossae Trough: | 21.01°N, 74.45°E |
| ② | Holden Crater: | 26.38°S, 325.08°E |
| ③ | Mawrth Vallis Ellipse 2: | 23.99°N, 341.04°E |
| | Ellipse 4: | 24.85°N, 339.42°E |
| ④ | Miyamoto Crater: | 3.51°S, 352.26°E |
| ⑤ | Eberswalde Crater: | 23.86°S, 326.73°E |
| ⑥ | South Meridiani: | 3.3°S, 354.4°E |
| ⑦ | Gale Crater: | 4.5°S, 137.3 |

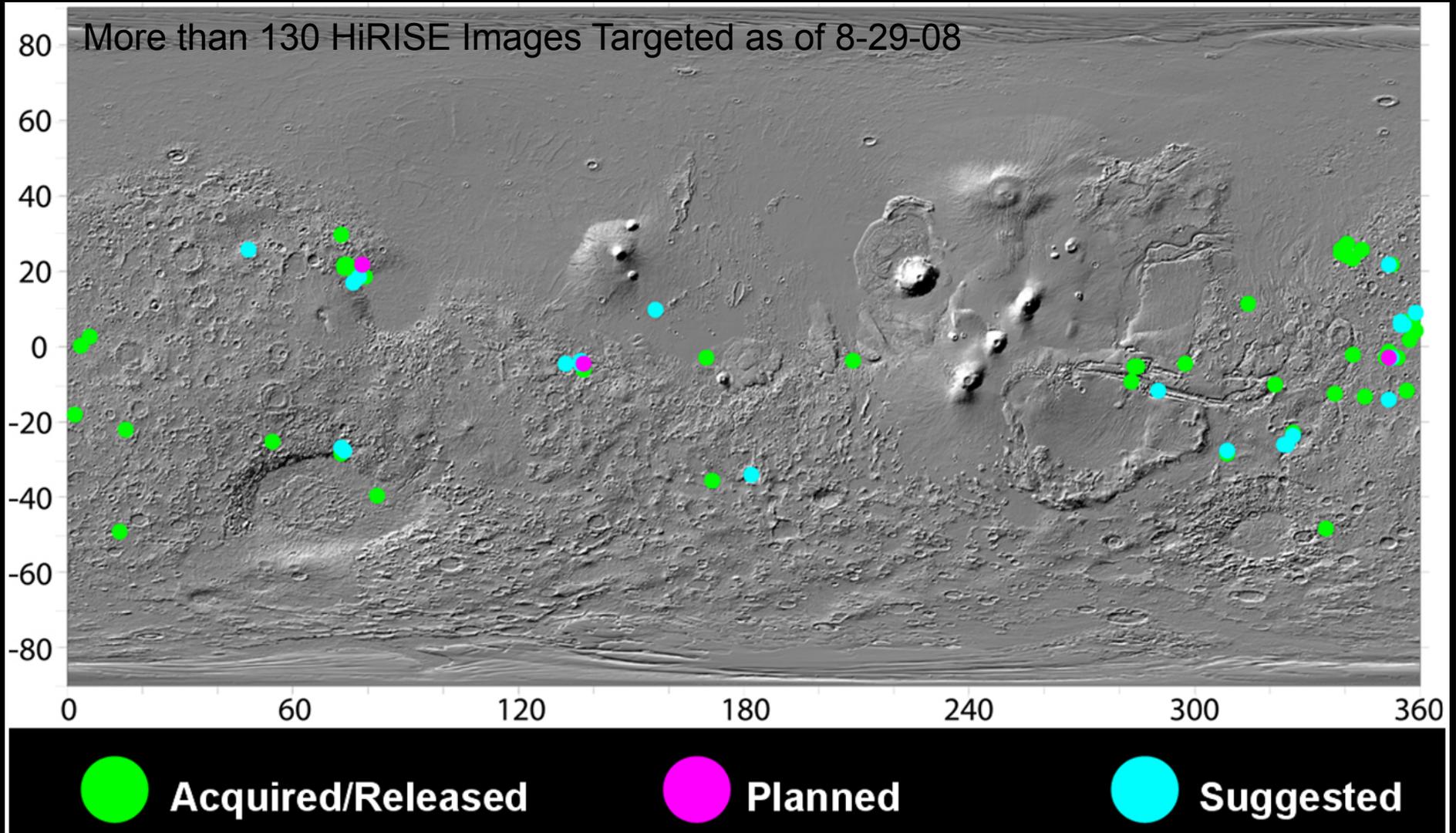
All seven remaining sites are compelling:



We are here to discuss relative science merits of these sites

Engineering constraints will be considered once they are more completely understood

Thank You MRO, Mars Express, and Odyssey!



Discussion Points and Science Criteria:

- **Diversity:** Want a large number of possible science objectives.
- **Context:** Rocks and soils must be put into a larger, more regional context.
- **Habitability:** Must lead to understanding of environmental history, habitability.
- **Fossil/Biosignature Preservation:** Can fossils and other biosignatures be preserved.

Critical Questions:

- Multiple Questions related to each of the four criteria.
- These will be used to weigh relative merits of the final seven sites
- Not expecting to get top site, rather top few versus bottom few
- Described more in subsequent talks
- Love 'em or Hate 'em, these are the mission criteria and will be followed or our input will be overruled or ignored
- And if you don't believe me....