

December 2, 2019  
MSE 2101 topics

- Methane in the atmosphere: organic or inorganic sources?
- The story of ALH84001
  - how do we know it is from Mars?
  - how do we know how old it is?
  - how do we know how long it spent in space?
  - how do we know how long it rested in Antarctica?
- The claim for Martian life from ALH84001
  - layered structure of carbonate grains
  - polycyclic aromatic hydrocarbons
  - magnetite grains
  - rod-shaped structures similar to bacteria (only much smaller)
- The claim against Martian life from ALH84001