December 4, 2015
MSE 2101 topics

• Why is Venus so hot? (yes, I know you know this already!)

• Why did Venus keep its carbon dioxide?

• Ok, but why does Venus not have water?

• Habitability factors:
  - distance from the central star
  - planetary size
  - atmosphere

• The boundaries of the habitable zone today

• The time evolution of the habitable zone

• The continuously habitable zone

• Global warming: what exactly do we mean?

• Evidence! Give me evidence!
  - average global temperature through time
  - correlation between average global temperature and CO₂
  - the level of carbon dioxide through time
  - what do the models say?

• The consequences of global warming?

• The future of life on Earth