

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