

Brief Analysis of Horizontal Resolution

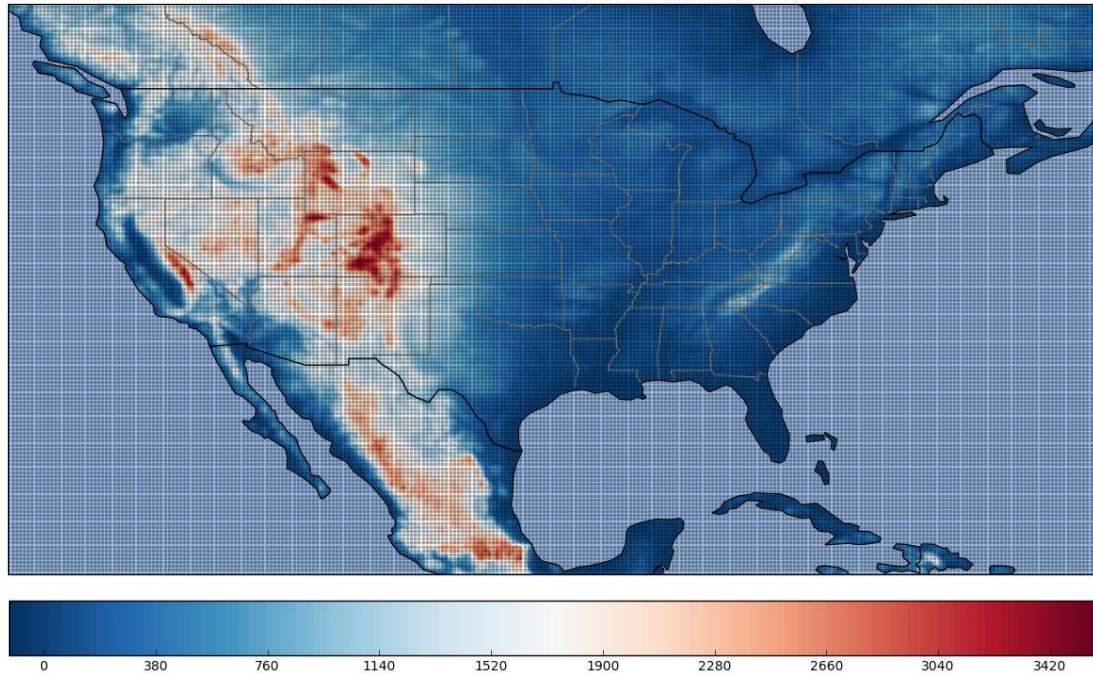
Meteorology 3110

Many thanks to python, siphon, matplotlib, cartopy, metpy, numpy, and thredds for making this happen. Without you, this wouldn't be possible.

Geopotential Height – GFS

1/4 degree horizontal resolution

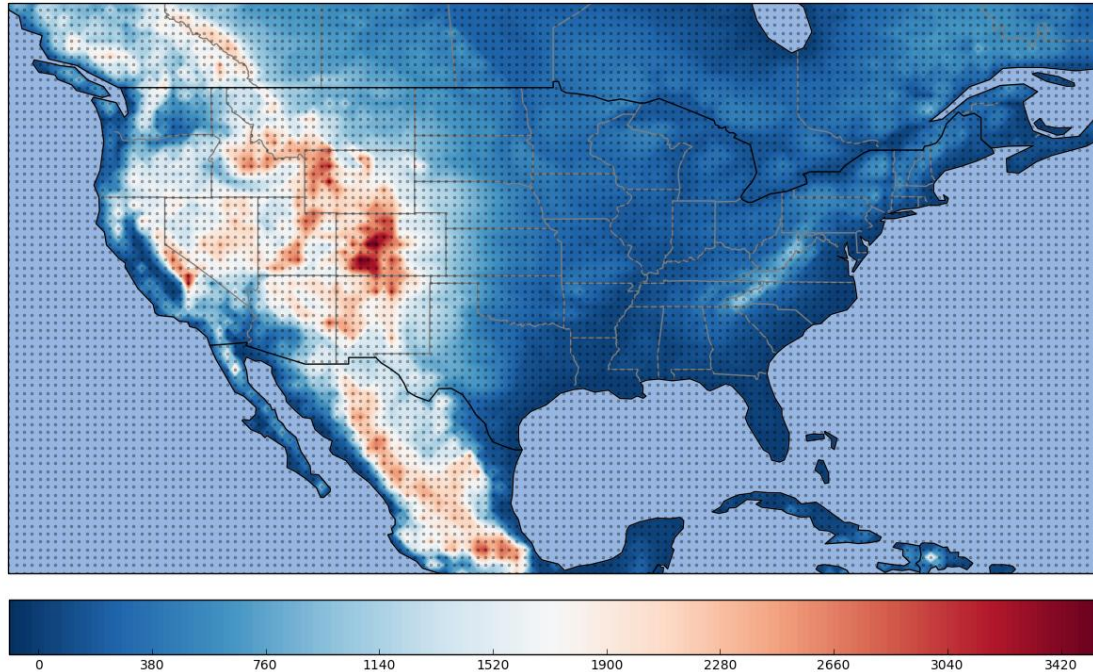
Geopotential Height (m) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Geopotential Height – GFS

1/2 degree horizontal resolution

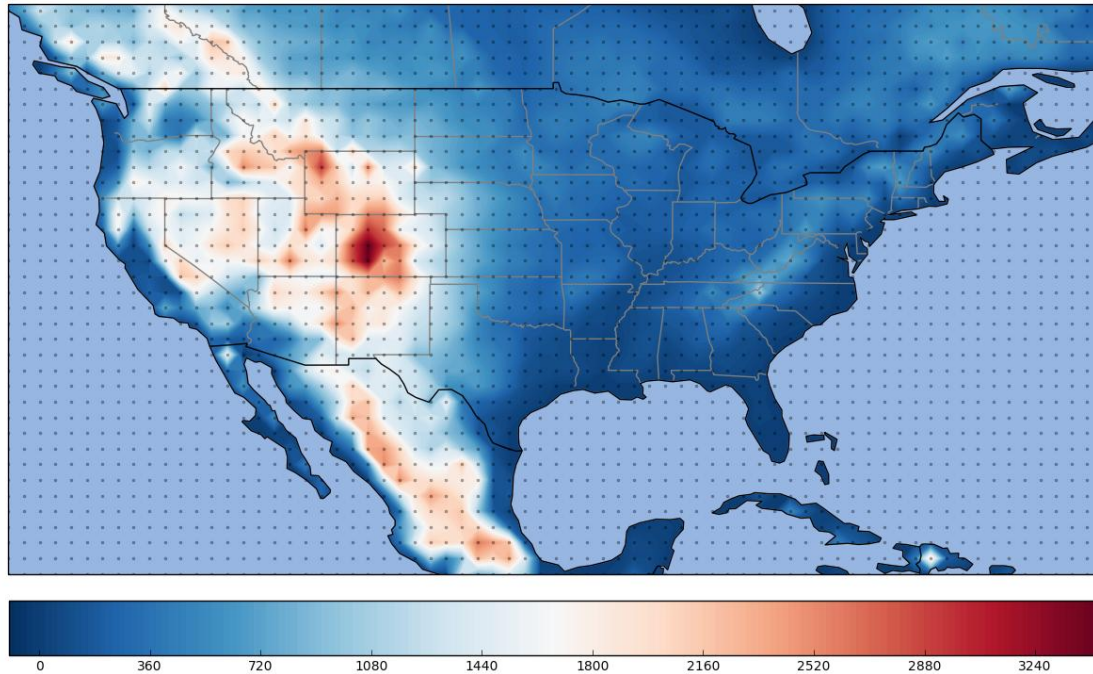
Geopotential Height (m) - Half Degree Horizontal Resolution
2016-11-01 18:00:00Z



Geopotential Height – GFS

1 degree horizontal resolution

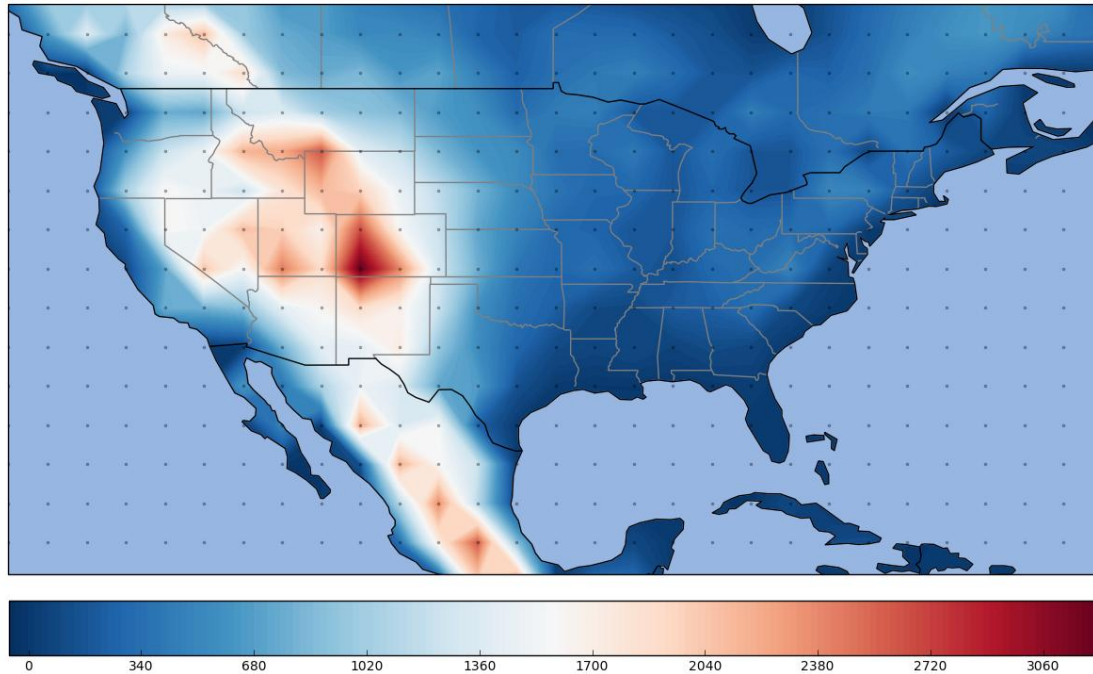
Geopotential Height (m) - One Degree Horizontal Resolution
2016-11-01 18:00:00Z



Geopotential Height – GFS

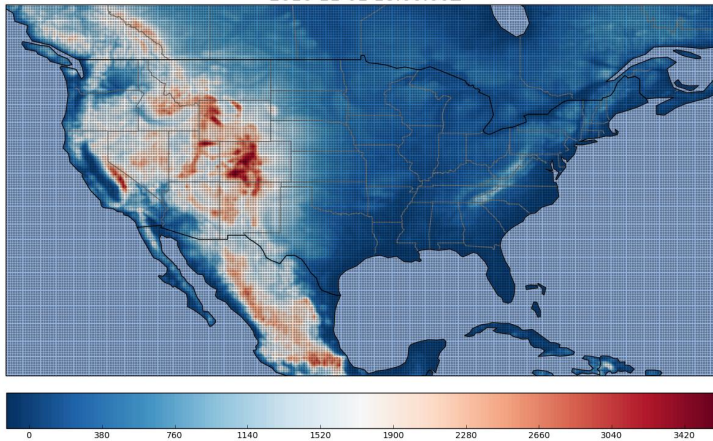
2.5 degree horizontal resolution

Geopotential Height (m) - 2.5 Degree Horizontal Resolution
2016-11-01 18:00:00Z

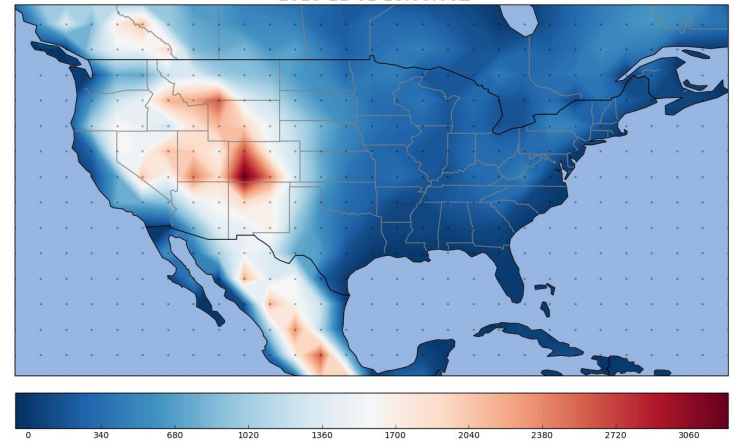


Comparison

Geopotential Height (m) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



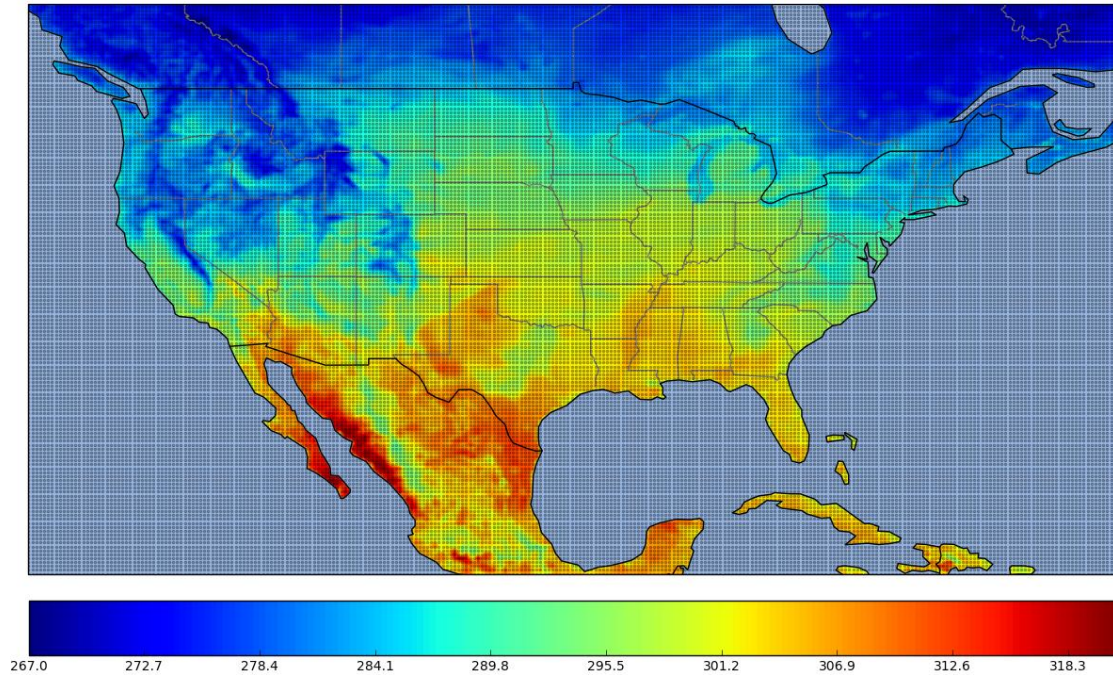
Geopotential Height (m) - 2.5 Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature – GFS

1/4 degree horizontal resolution

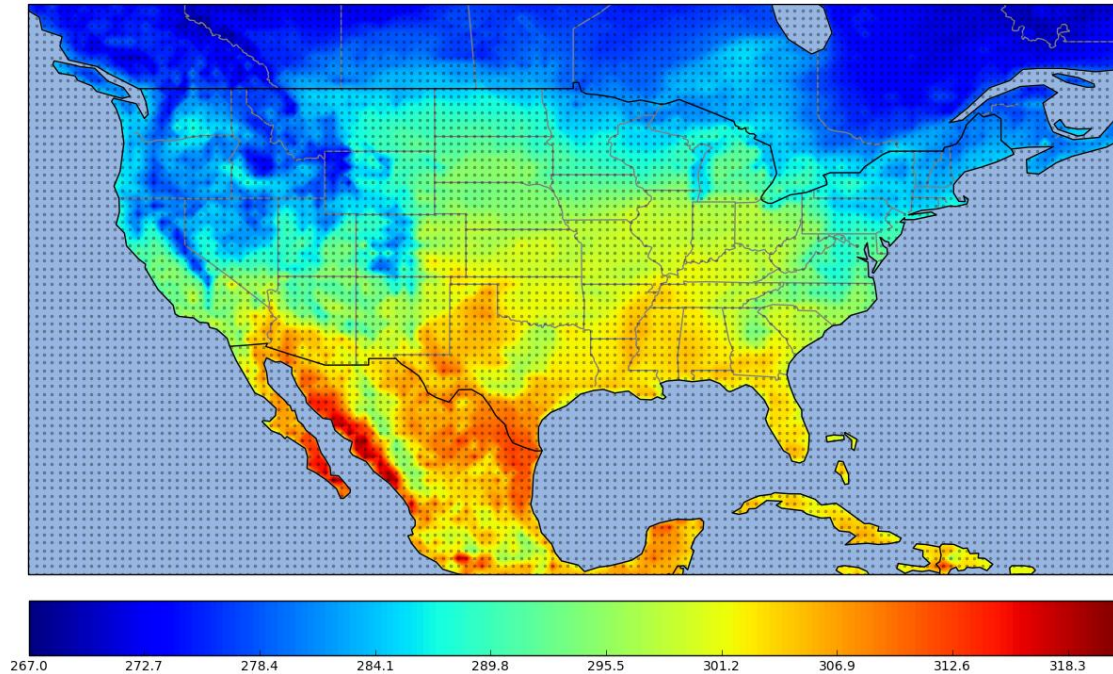
Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature – GFS

1/2 degree horizontal resolution

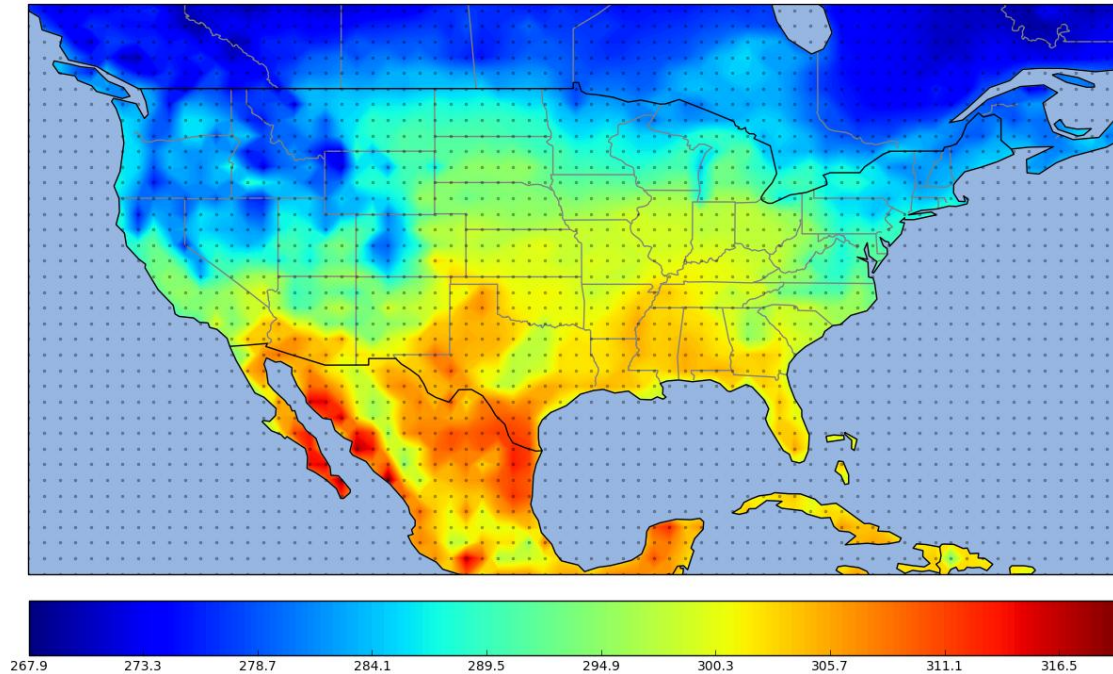
Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature – GFS

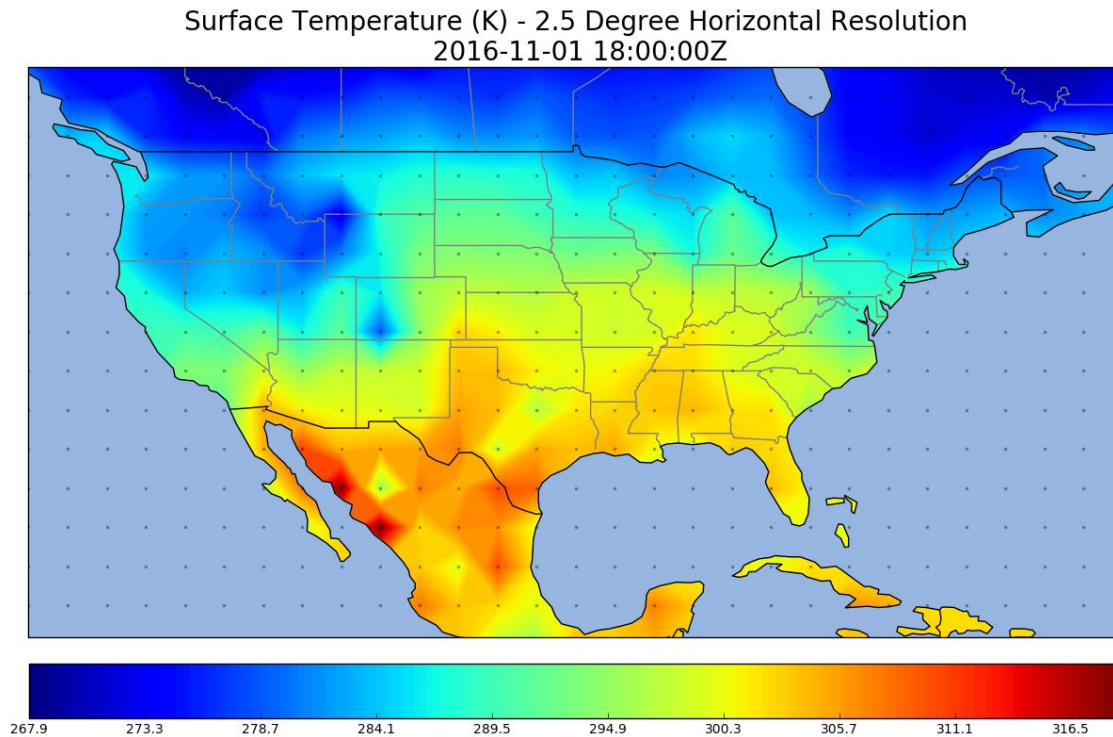
1 degree horizontal resolution

Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



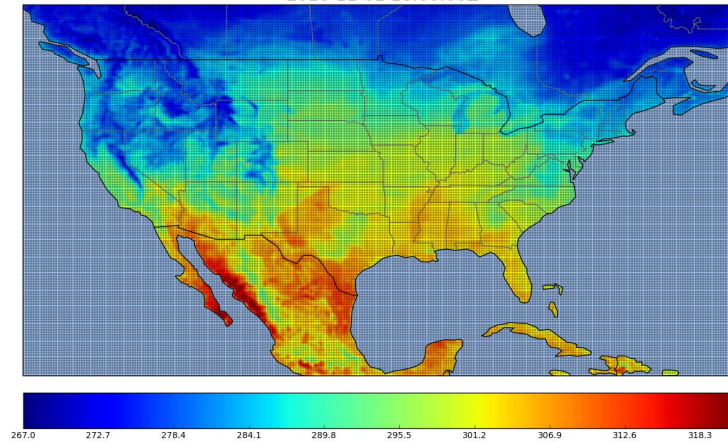
Surface Temperature – GFS

2.5 degree horizontal resolution



Comparison

Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature (K) - 2.5 Degree Horizontal Resolution
2016-11-01 18:00:00Z

