

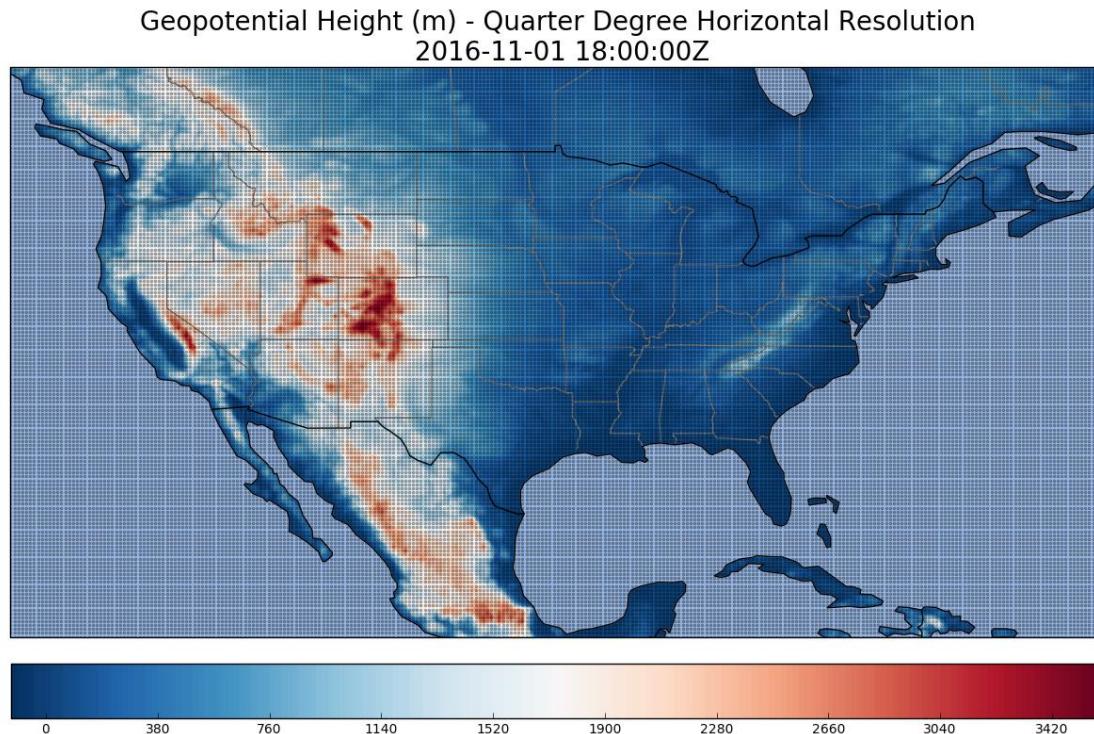
Brief Analysis of Horizontal Resolution

Meteorology 3110

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

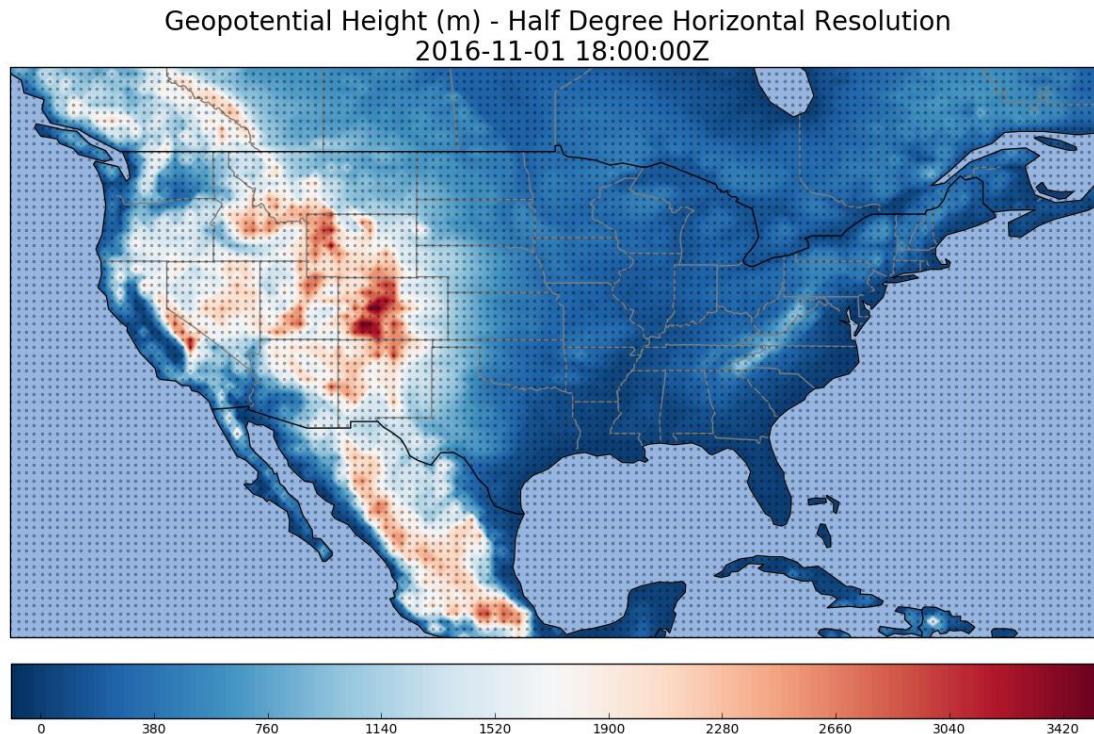
Geopotential Height – GFS

1/4 degree horizontal resolution



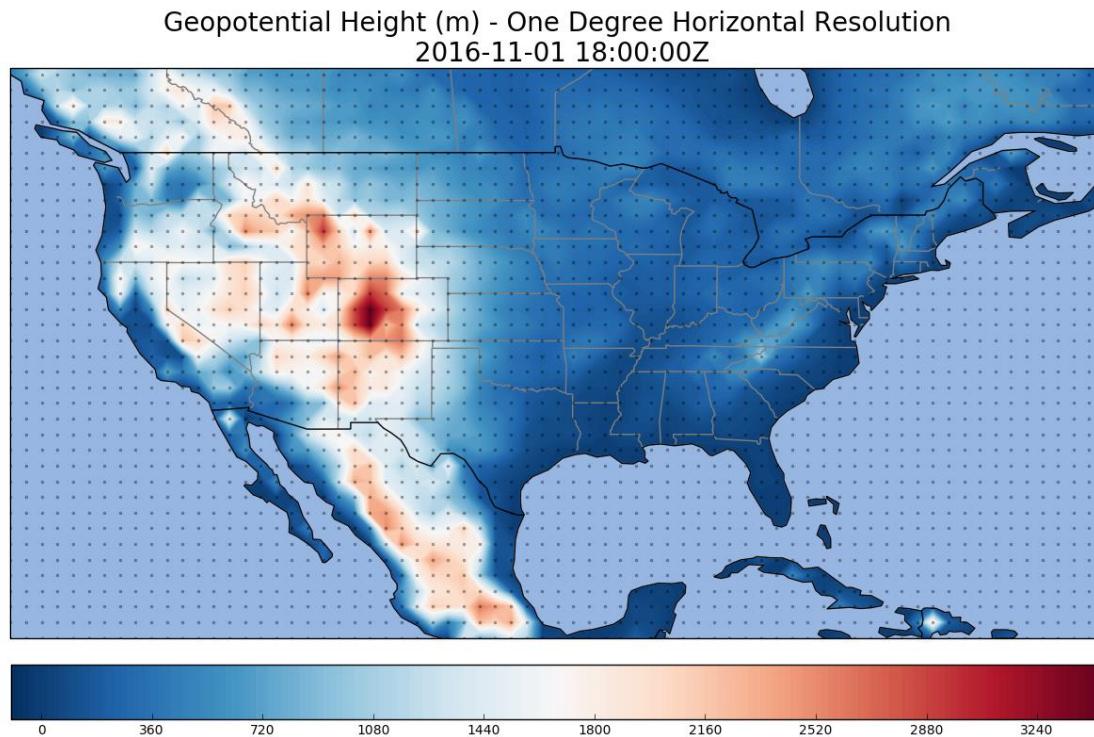
Geopotential Height – GFS

1/2 degree horizontal resolution



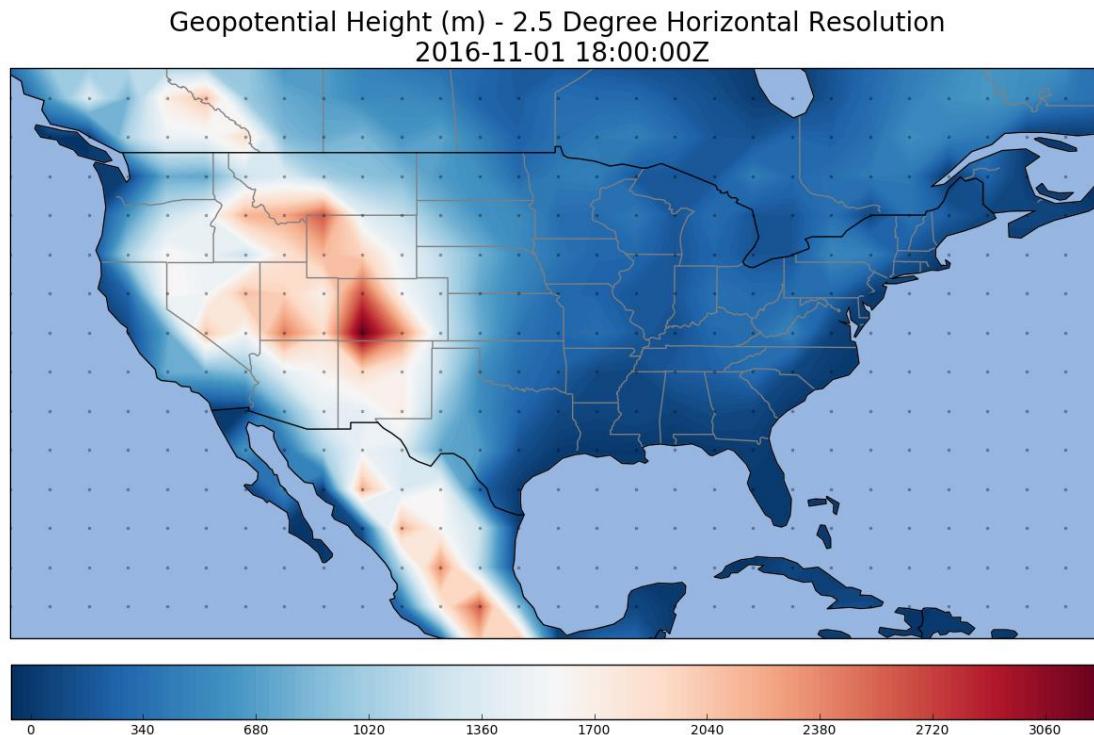
Geopotential Height – GFS

1 degree horizontal resolution

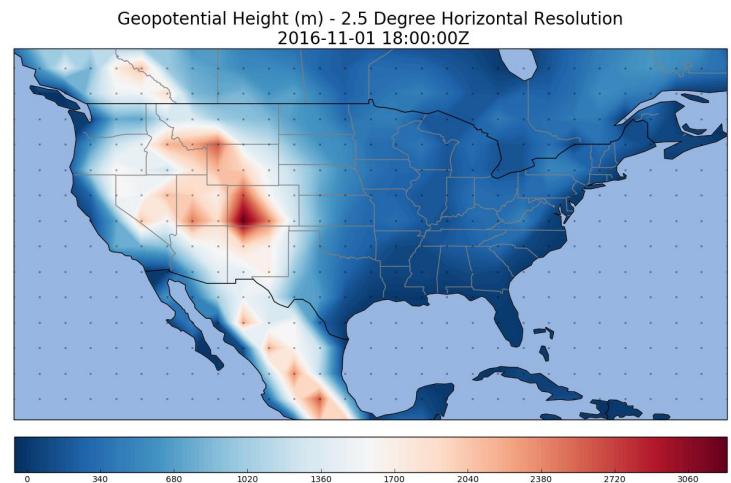
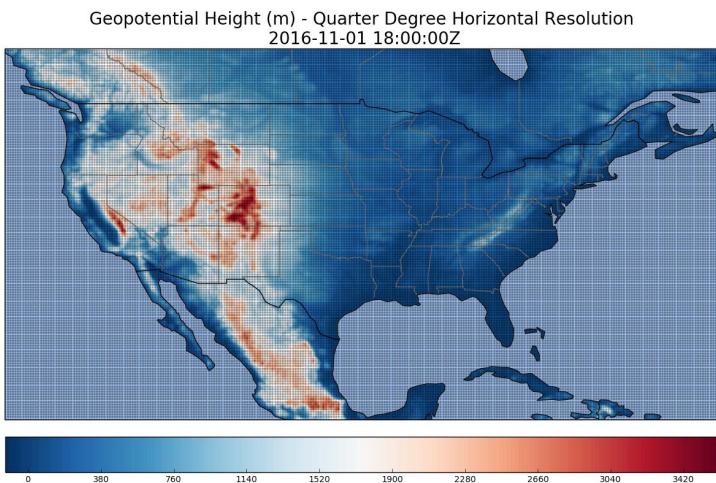


Geopotential Height – GFS

2.5 degree horizontal resolution



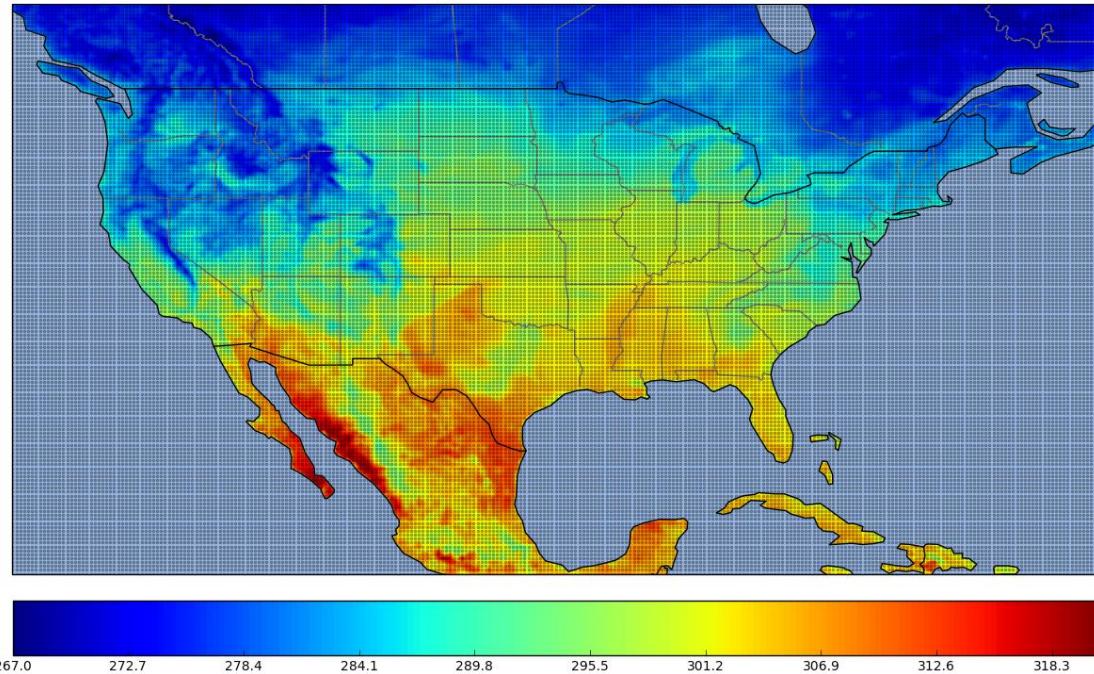
Comparison



Surface Temperature – GFS

1/4 degree horizontal resolution

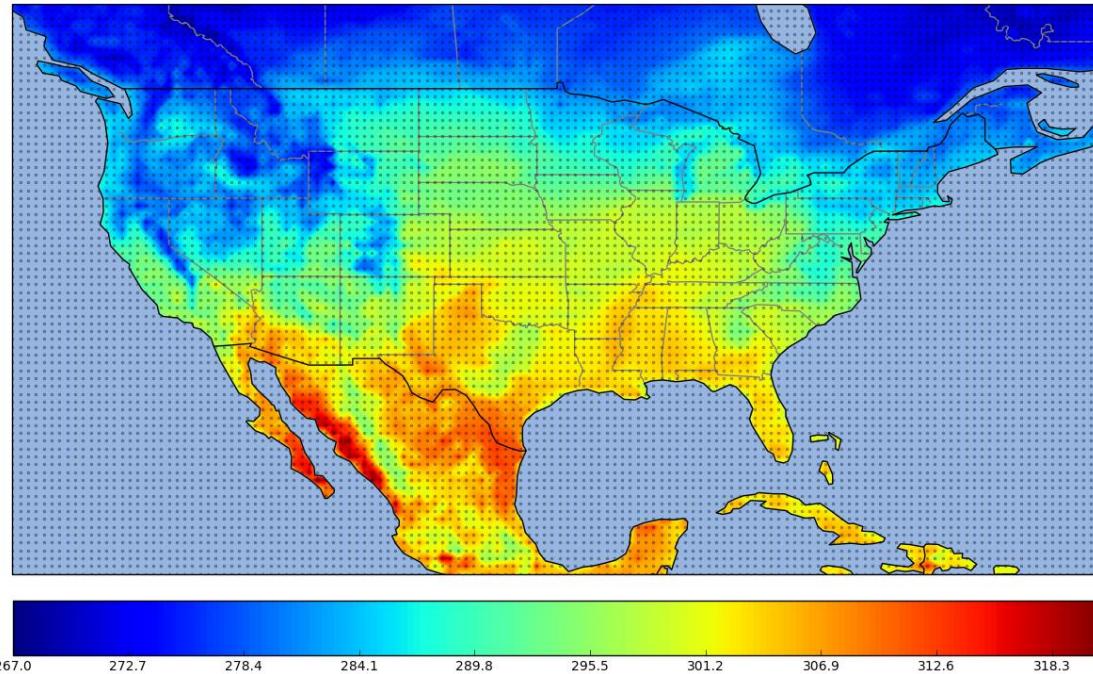
Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature – GFS

1/2 degree horizontal resolution

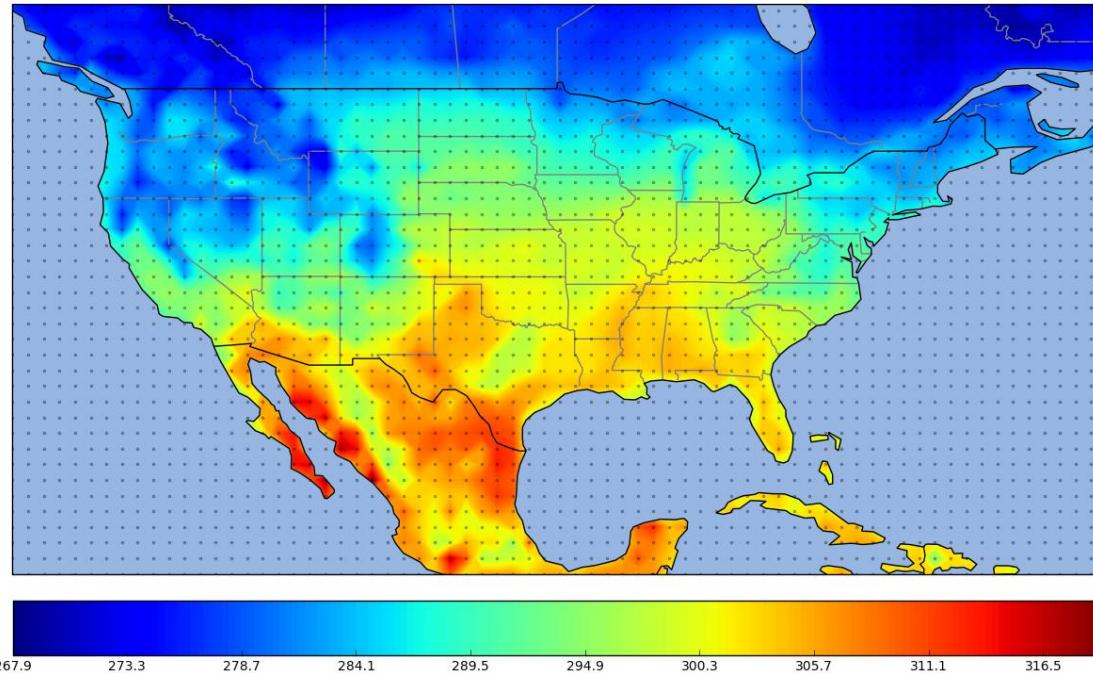
Surface Temperature (K) - Quarter Degree Horizontal Resolution
2016-11-01 18:00:00Z



Surface Temperature – GFS

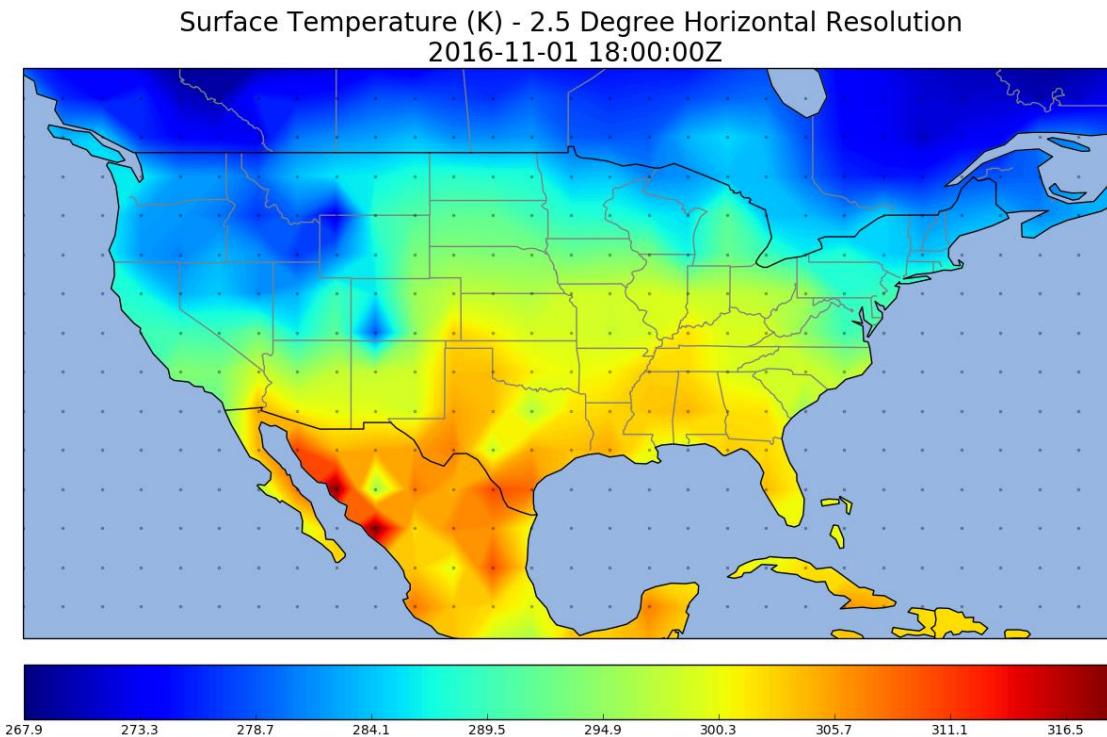
1 degree horizontal resolution

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



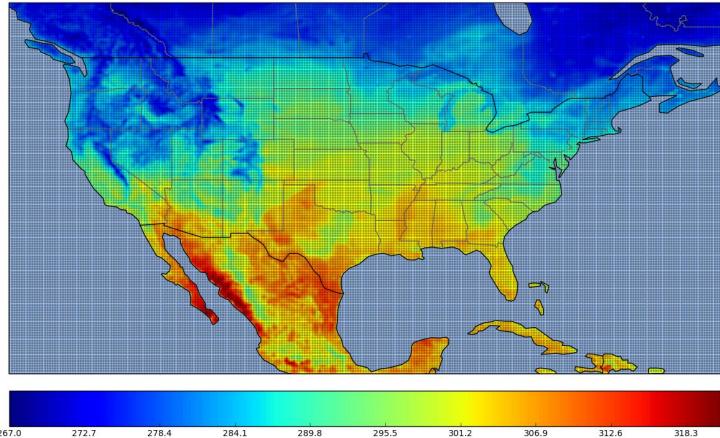
Surface Temperature – GFS

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

