hdf file > readMODISAOD.py > csv with **AOD** (called ‘value’ in the df), lat, lon

readERA5.py > ERA5data.csv (includes **U wind speed**, **V wind speed, dewpoint temperature, temperature, surface pressure, precipitation**, lat, lon)

readPM25.py > PM25.csv (includes Daily Mean PM2.5 Concentration, lat, lon)

- bolded are the values needed for training (these are gridded data; the values represent averages over the lat/lon given)
- in red is our target data (these are point values)

Lat range: 42 to 47.2
Lon range: -122.2 to -117

Time/date: July 18, 2021 at 23:00 UTC (15:00 PST)