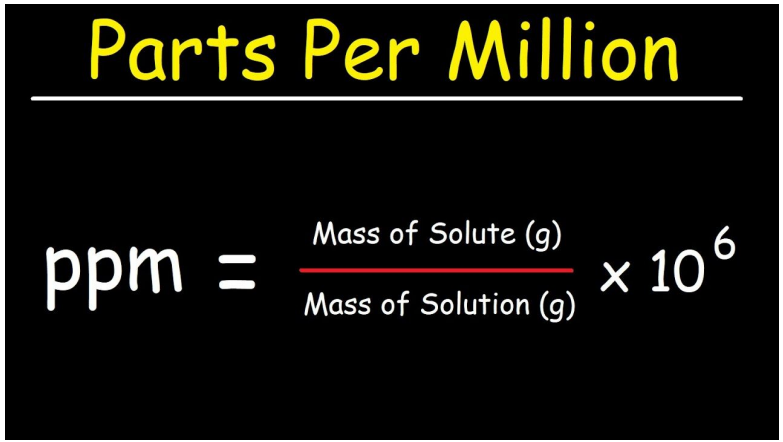
https://aqs.epa.gov/aqsweb/airdata/download_files.html#Daily **(Emission)**

Ozone 2020

Unit - Parts per million(ppm)



Datum - The Datum associated with the Latitude and Longitude measures. **NAD83** is an acronym for North American Datum of 1983, a geocentric datum and geographic coordinate system based on the 1980 Geodetic Reference System ellipsoid (GRS80). Mainly used in North America, its measurements are obtained from both terrestrial and satellite data.

Observation Count - The number of observations (samples) taken during the day.

Observation Percent - The percent representing the number of observations taken with respect to the number scheduled to be taken during the day. This is only calculated for monitors where measurements are required (e.g., only certain parameters).

Arithmetic Mean (plot) - The average (arithmetic mean) value for the day.

1st Max Value - The highest value for the day.

1st Max Hour - The hour (on a 24-hour clock) when the highest value for the day (the previous field) was taken.

AQI - The Air Quality Index for the day for the pollutant, if applicable.

https://aqicn.org/data-platform/covid19/verify/7eef7967-ed30-4c28-b13d-64b19decab87
(2020 monthly plot)

Same standard, a little bit off with uncompletely 2020 data in emission data. But acceptable.

Use “median” to plot

https://www.sandiegocounty.gov/content/dam/sdc/apcd/monitoring/5-Year_Air_Quality.pdf

Unit - pphm = 0.01 ppm

https://scrippsco2.ucsd.edu/data/atmospheric_co2/ljo.html (CO2)

Use

Monthly_flask_co2_ljo.csv column 7 to plot. Adjusted and no missing value.

Unit - ppm

Data standard

https://www.epa.gov/criteria-air-pollutants/naaqs-table

5 Major Outdoor Air Pollutants You Should Know About

https://learn.kaiterra.com/en/air-academy/5-major-outdoor-air-pollutants

- **Ozone** (O3)
- **Nitrogen Oxides** (NOx)
- **Carbon Monoxide (CO**)
- **Sulfur Dioxide** (**SO2**)
- **Particulate Matter** (**PM10** and **PM2**.5)