Analysis of Ozone Trends from NOAA's Newly Homogenized Ozonesonde Data Record

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Recently outlined in the paper (Sterling et al. 2017), the ESRL/GMD ozonesonde vertical profiles have now been standardized across historical instrumentation, solution recipe, and background currents. Using this new version of the data, altitude binned plots are created showing ozone mixing ratio for each year for five primary sites: Boulder, South Pole, Hilo, Trinidad Head, and American Samoa. Trends at different altitudes are looked at.

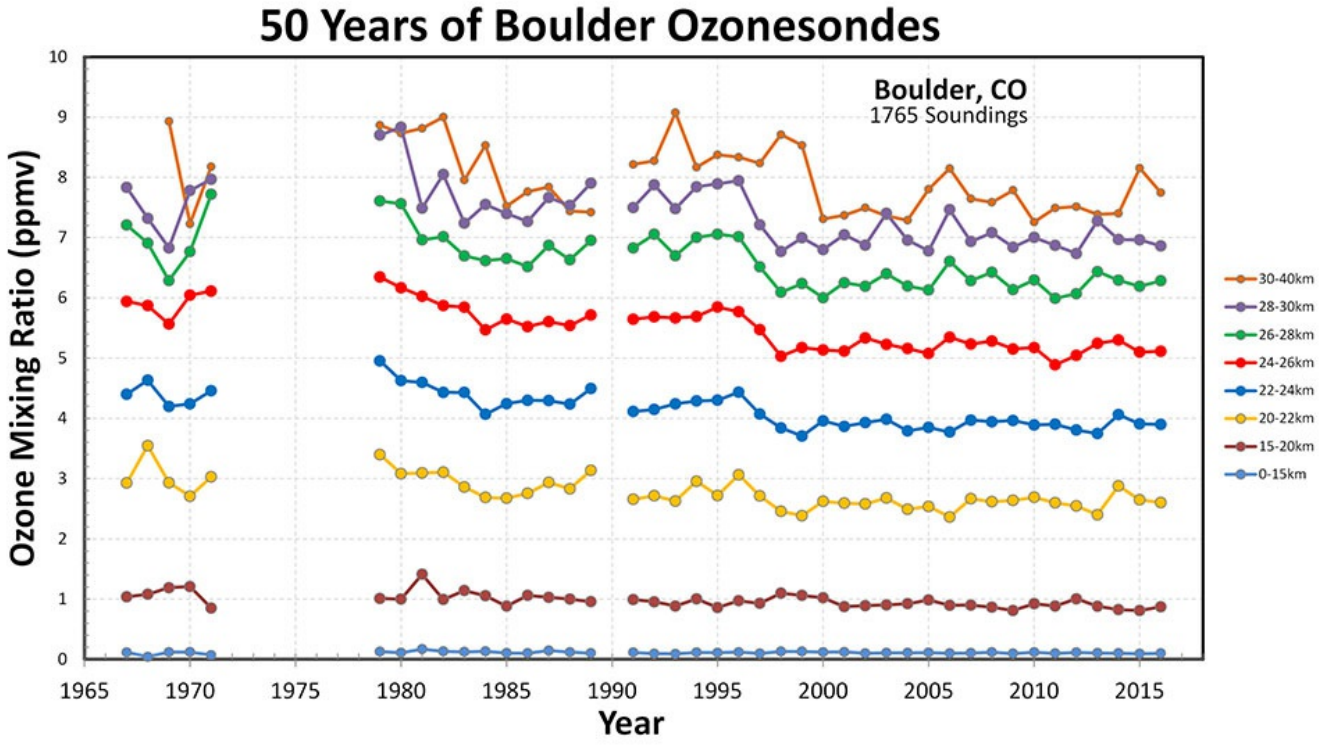

Figure 1. Annual ozone mixing ratio values from the Boulder ozonesonde record.