

This file contains Pandora and surface ozone quick looks for the NASA STAQS campaign for the following 10 Pandora sites on **July 12, 2023**. If a site is not provided there was no data for the given day. The Pandora data is filtered for medium Quality with 0, 1, 10, 11 quality flags.

ManhattanNY-CCNY PGN# 135s1

BayonneNJ PGN# 38s1

BronxNY PGN# 180s1

WestportCT PGN# 177s1

KenoshaWI PGN# 167s1

QueensNY PGN# 140s1

WrightwoodCA PGN# 68s1

WhittierCA PGN# 247s1

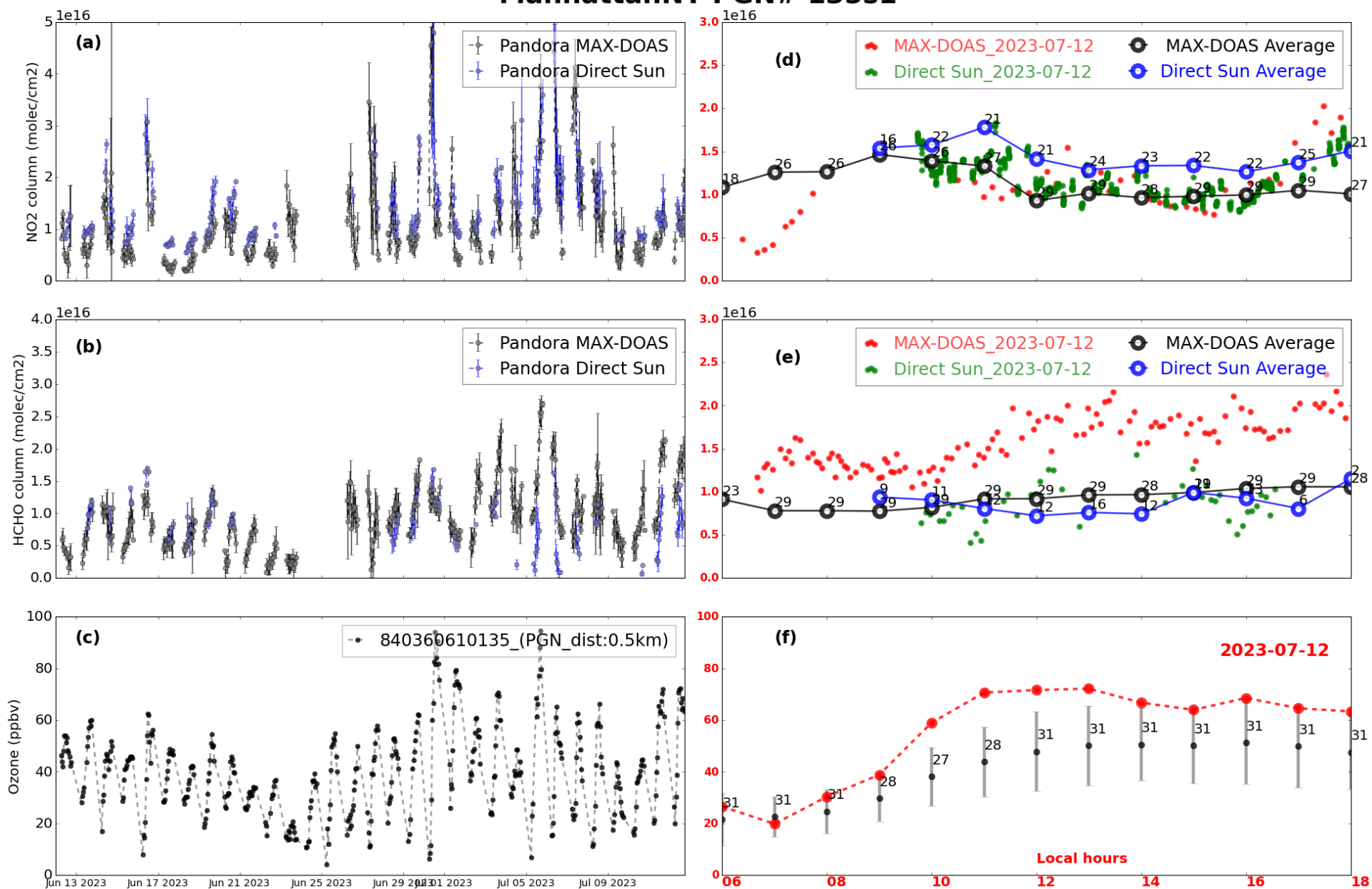
OldFieldNY PGN# 51s1

NewBrunswickNJ PGN# 69s1

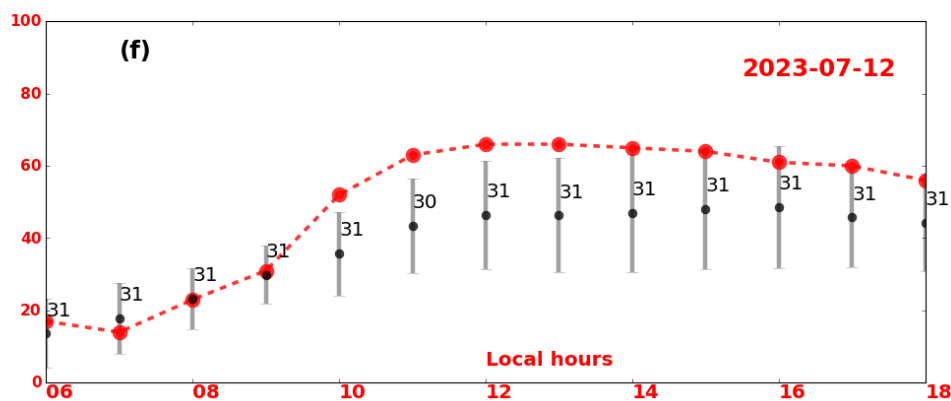
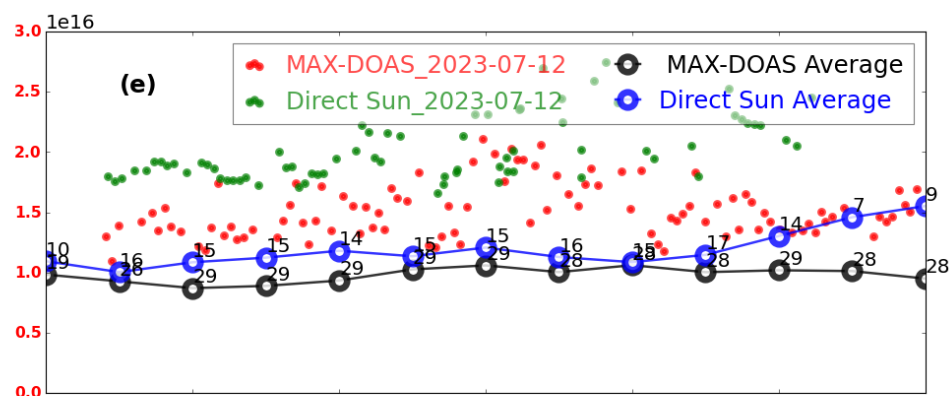
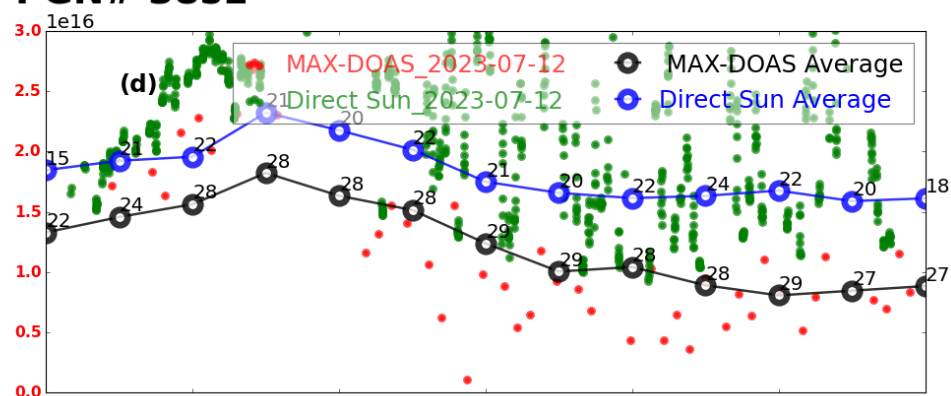
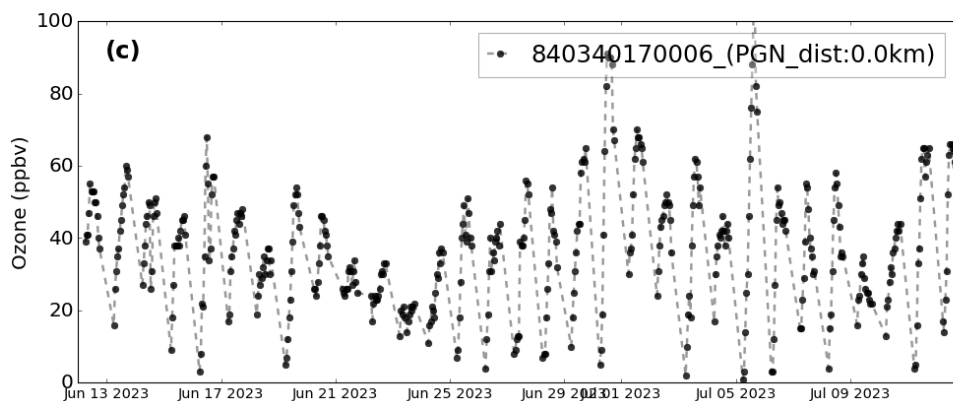
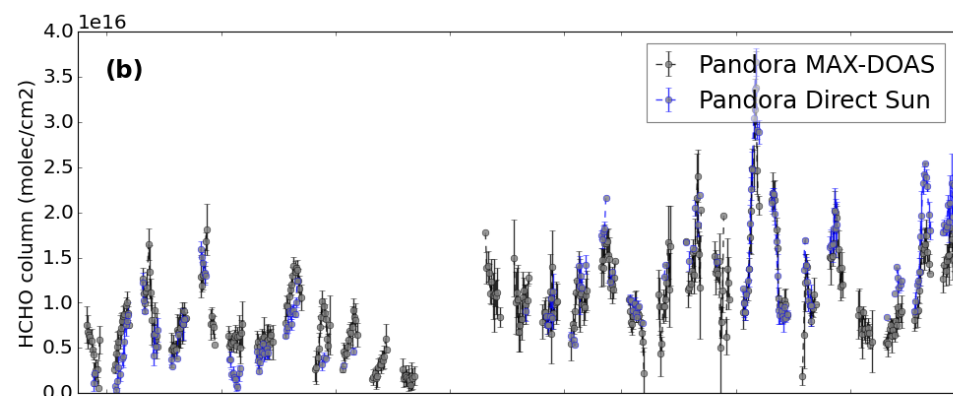
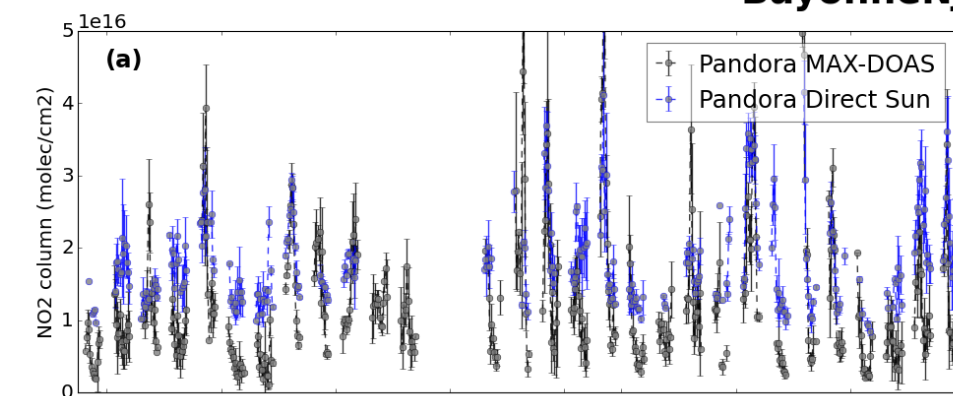
Pandora NO₂ and HCHO columns and EPA AQS surface ozone for each STAQS site with the panels describing the following:

- a) The last 30 days of hourly Pandora columns from the direct sun (blue) and MAX-DOAS (black) retrievals for NO₂.
- b) Same as a) for HCHO.
- c) The last 30 days of hourly surface ozone for the nearest EPA AQS monitor during daytime to the Pandora instrument with the distance to that site and its AQS site name given in the legend.
- d) The Pandora direct sun (green) and MAX-DOAS (red) NO₂ columns (6-18 LT) for the given day and the hourly average over the previous 30 days for the direct sun (blue) and MAX-DOAS (black) associated with panel a). The number of days with valid data for each hourly average point over the previous 30 days are annotated.
- e) Same as d) for HCHO.
- f) The diurnal profile of surface ozone for the given day (red) and the last 30 days (black) with the number of days with valid ozone data given for each average data point with 1 sigma.

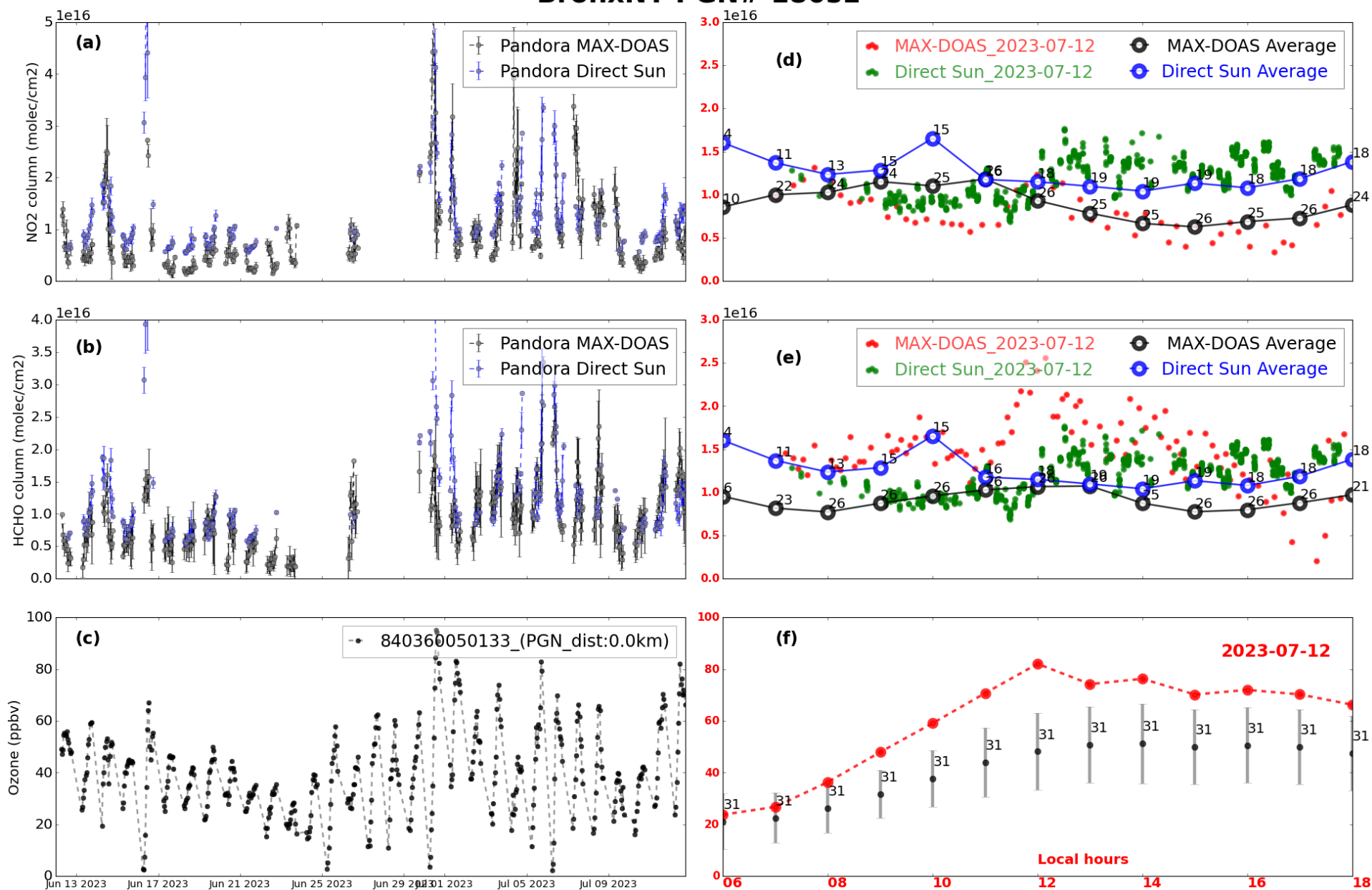
ManhattanNY PGN# 135s1



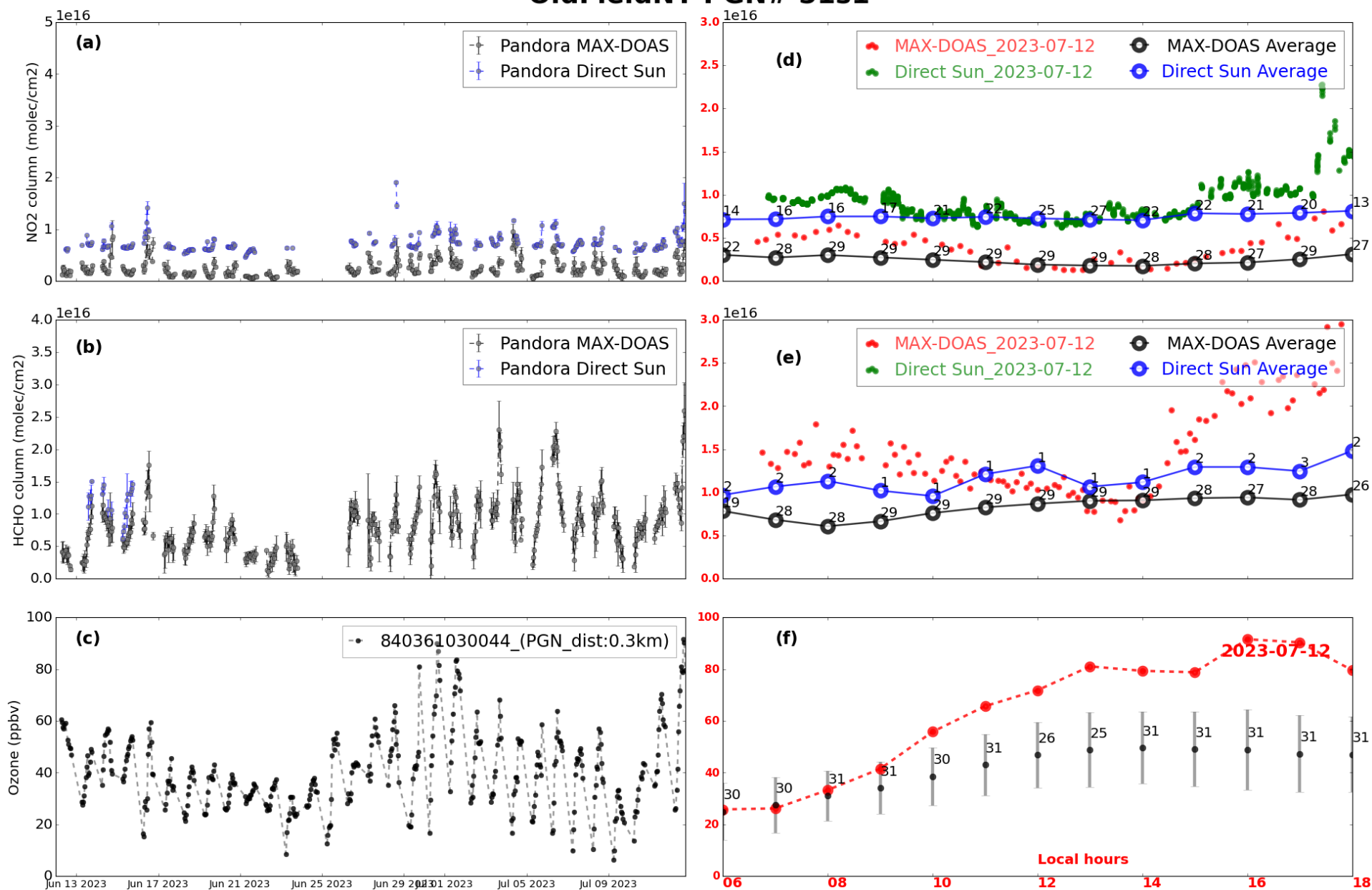
BayonneNJ PGN# 38s1



BronxNY PGN# 180s1



OldFieldNY PGN# 51s1



NewBrunswickNJ PGN# 69s1

