

This file contains Pandora and surface ozone quick looks for the NASA STAQS campaign for the following 17 Pandora sites on **August 13, 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.

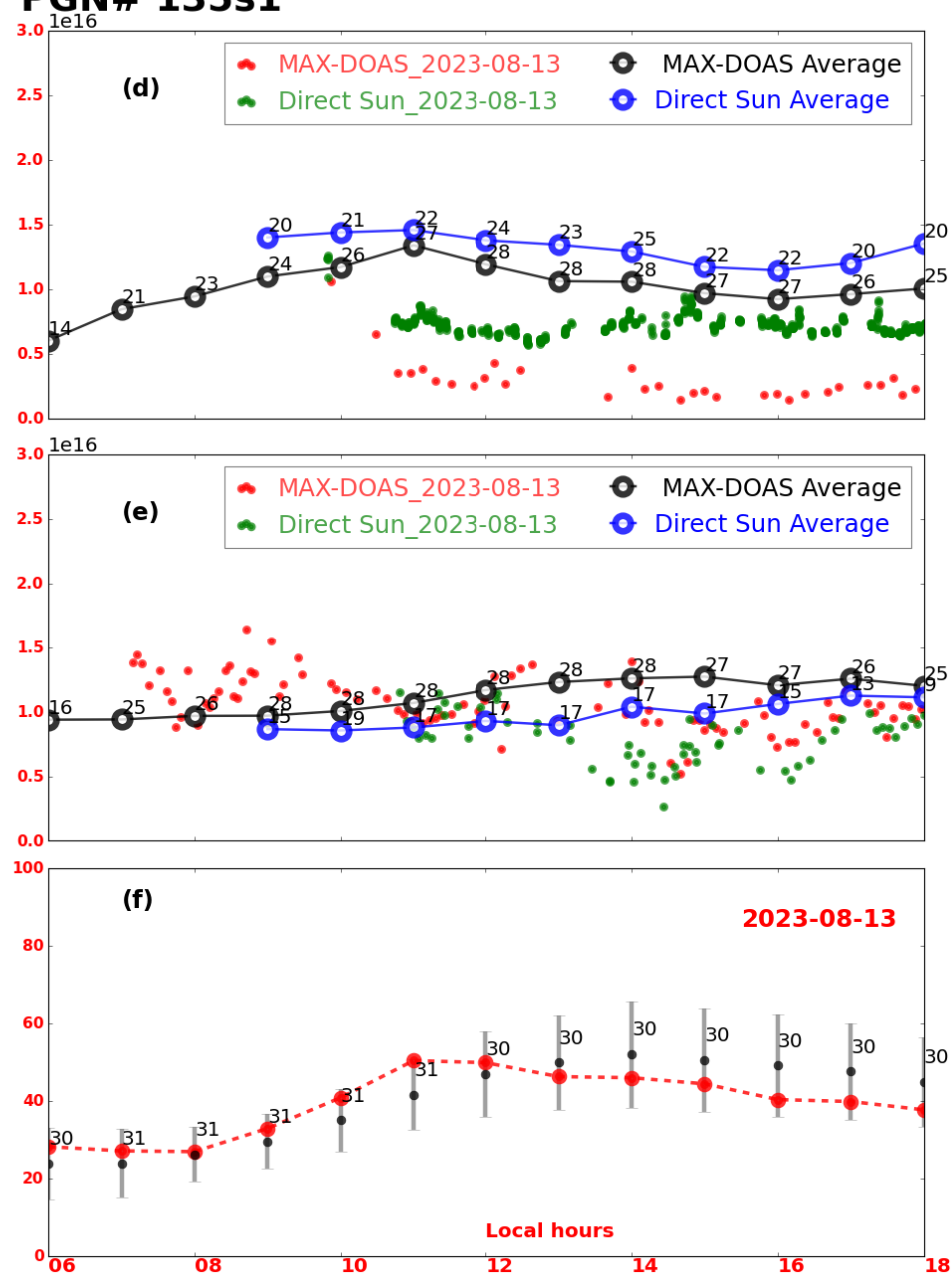
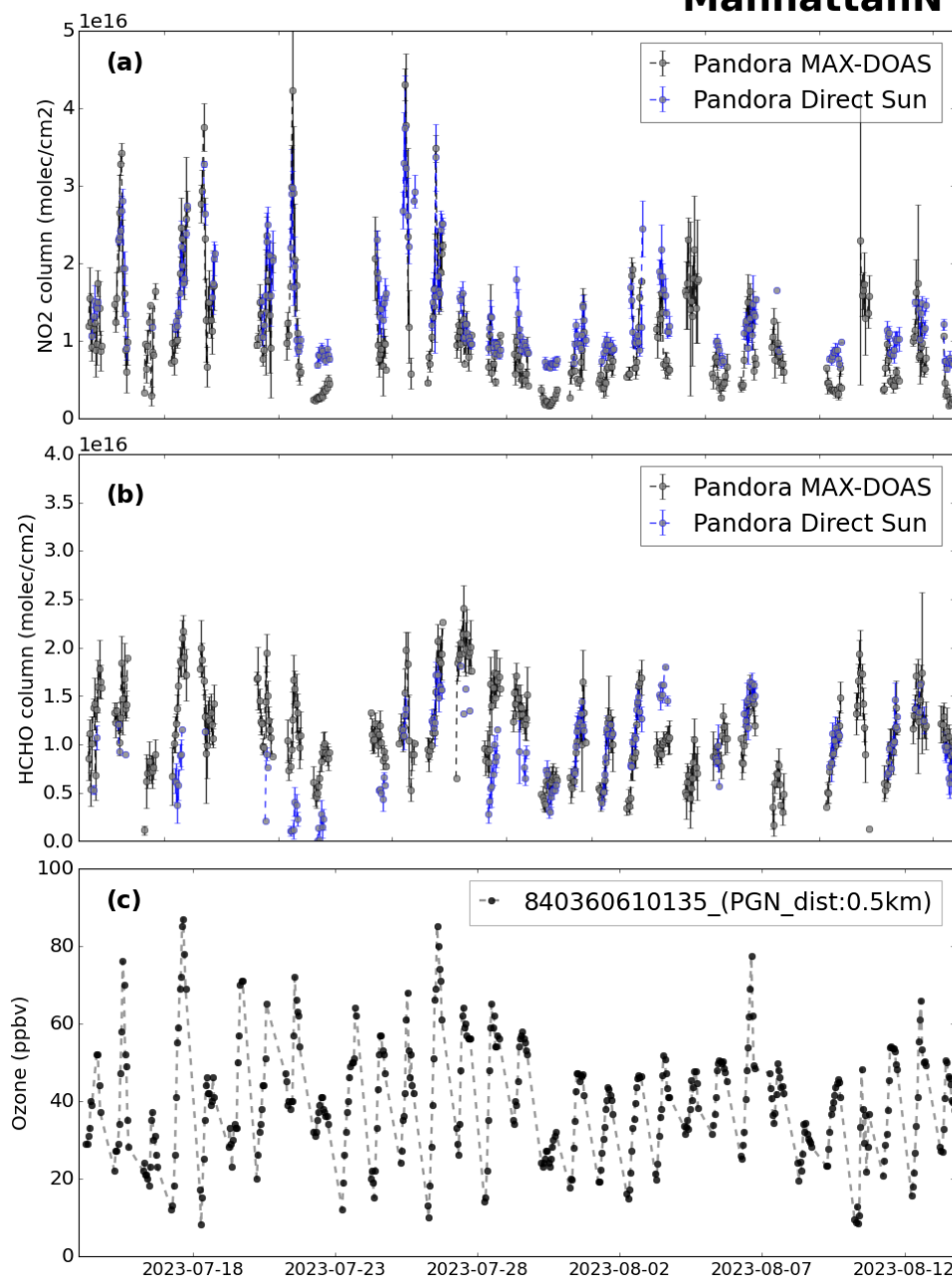
ManhattanNY-CCNY PGN# 135s1  
BayonneNJ PGN# 38s1  
BronxNY PGN# 180s1  
WestportCT PGN# 177s1  
KenoshaWI PGN# 167s1  
QueensNY PGN# 140s1  
OldFieldNY PGN# 51s1  
NewBrunswickNJ PGN# 69s1  
Philadelphia-PA PGN# 166s1  
Bristol-PA PGN# 134s1  
Chicago IL PGN# 249'  
WrightwoodCA PGN# 68s1  
WhittierCA PGN# 247s1  
StGeorge PGN# 109s1  
Toronto-Scarborough PGN# 145s1  
Toronto-West PGN# 108s1  
Downsview PGN# 104s1

**Pandora NO<sub>2</sub> and HCHO columns and EPA AQS surface ozone for each STAQS site with the panels describing the following:**

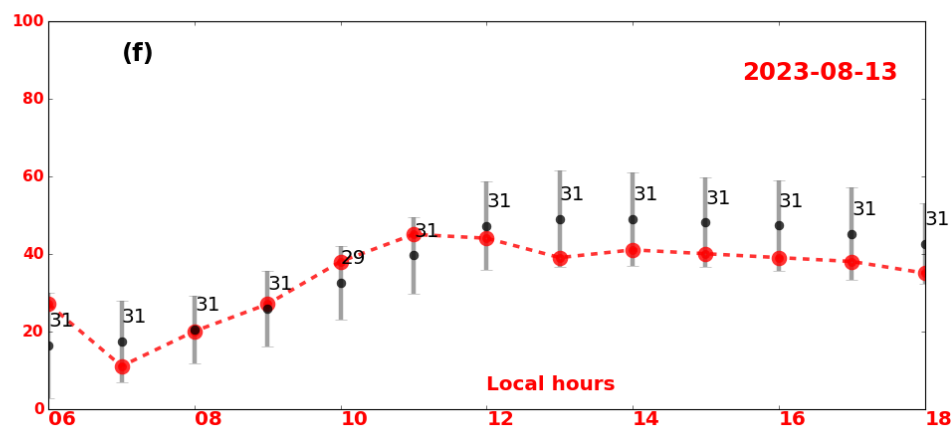
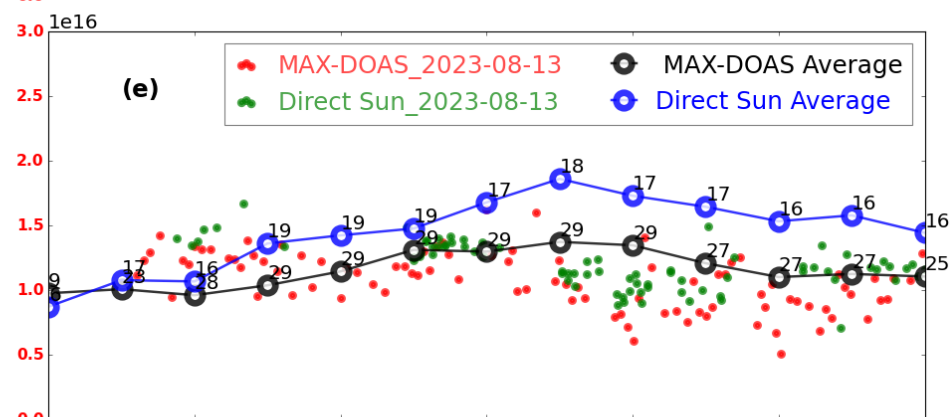
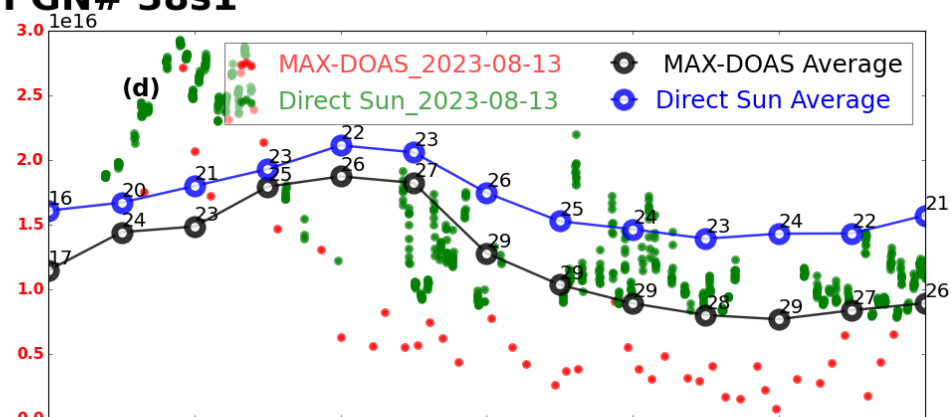
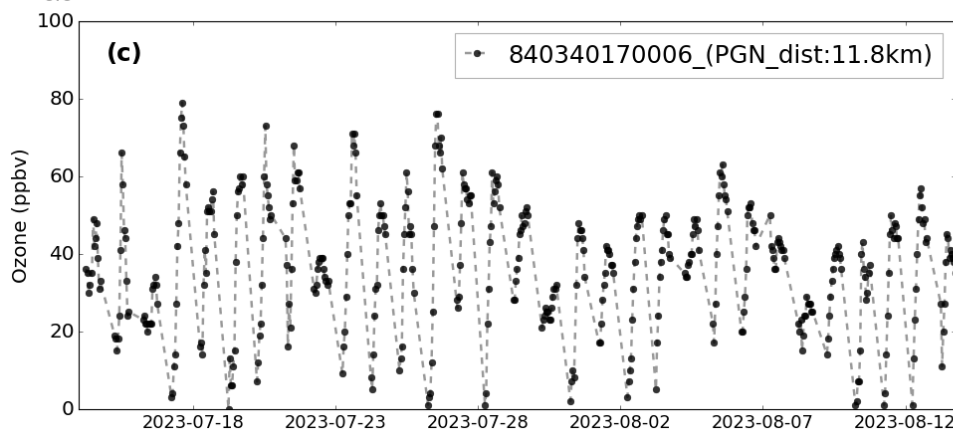
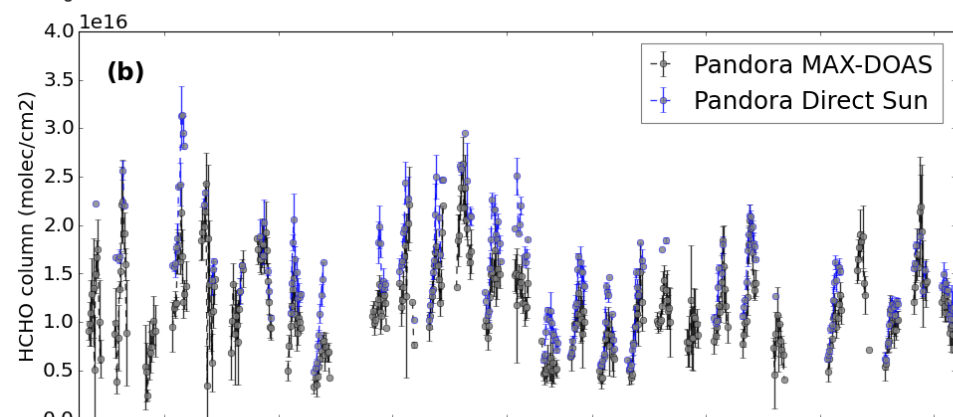
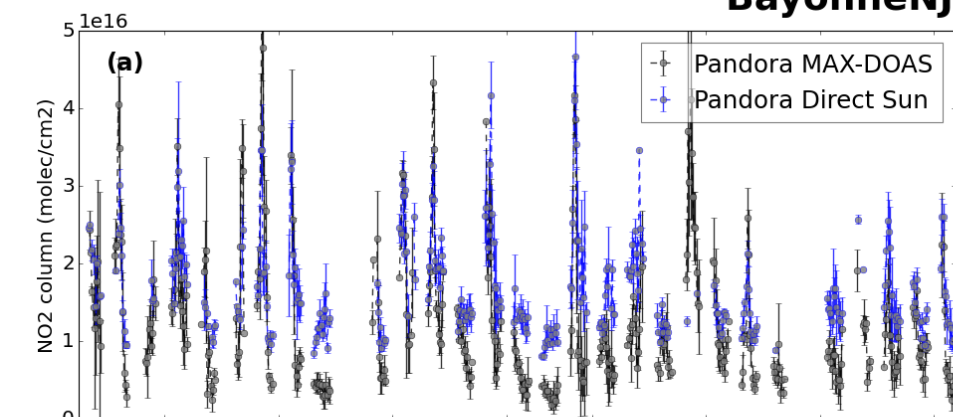
- a) The last 30 days of hourly Pandora columns from the direct sun (blue) and MAX-DOAS (black) retrievals for NO<sub>2</sub>.
- b) Same as a) for HCHO.
- c) The last 30 days of hourly surface ozone for the nearest EPA AQS monitor during daytime to the Pandora instrument with the distance to that site and its AQS site name given in the legend.
- d) The Pandora direct sun (green) and MAX-DOAS (red) NO<sub>2</sub> 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.

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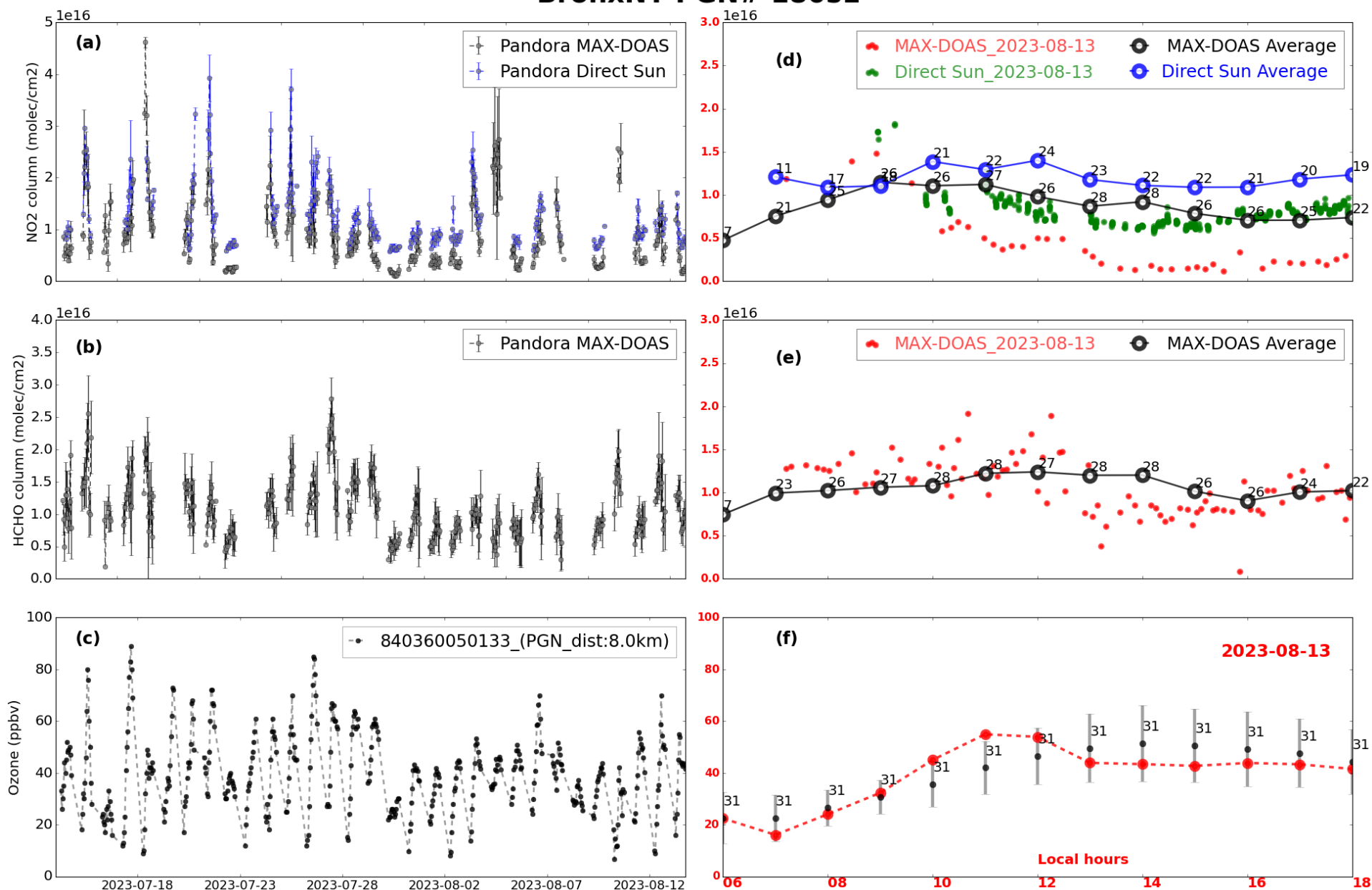
# ManhattanNY PGN# 135s1



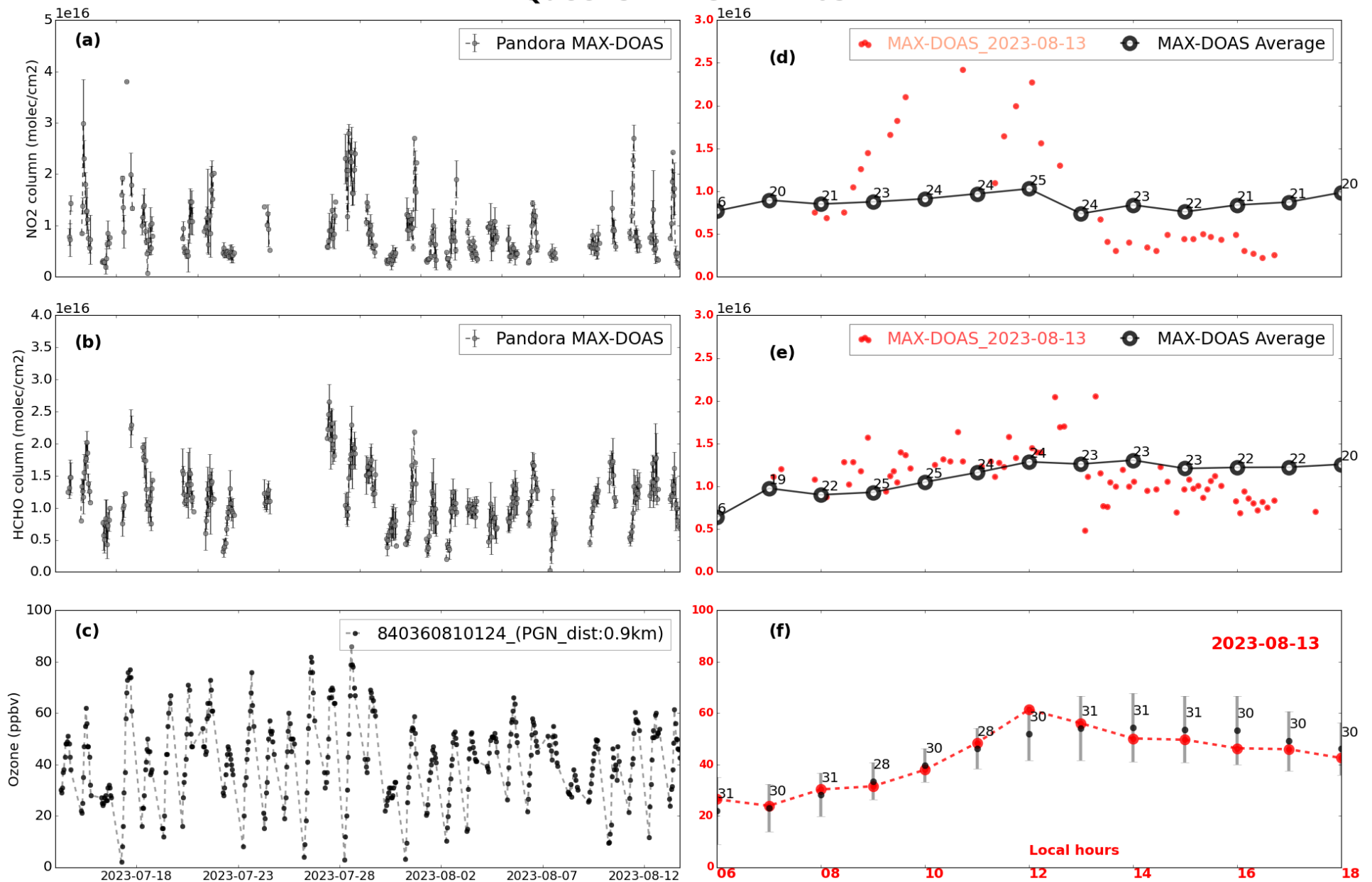
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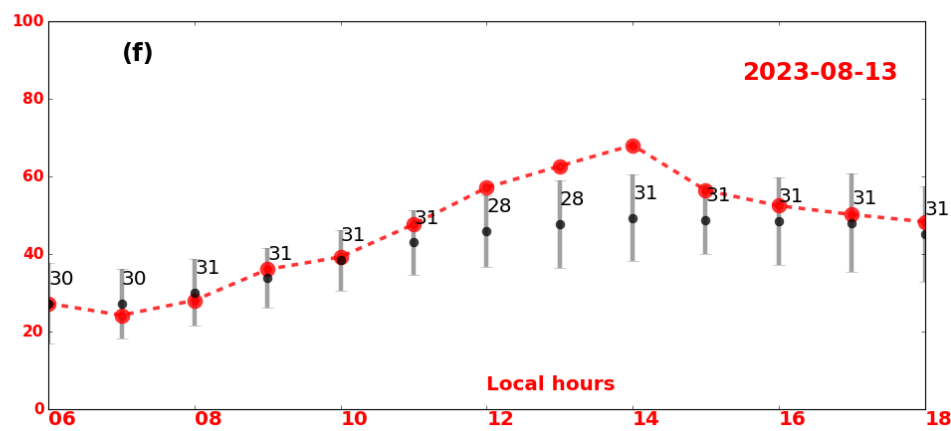
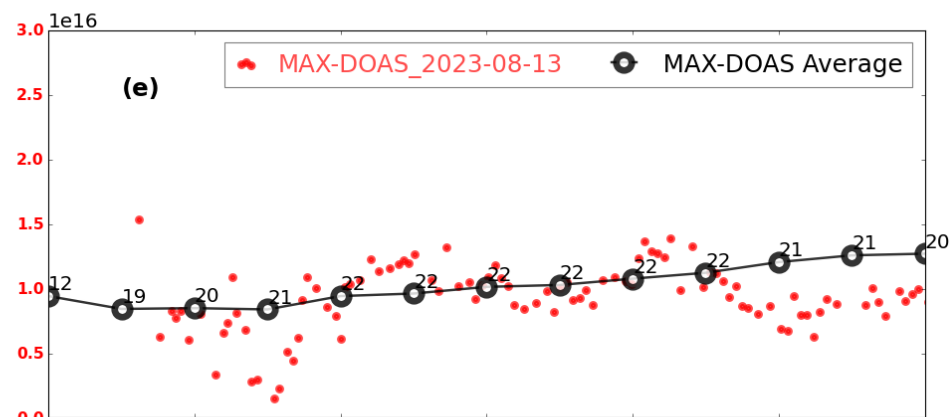
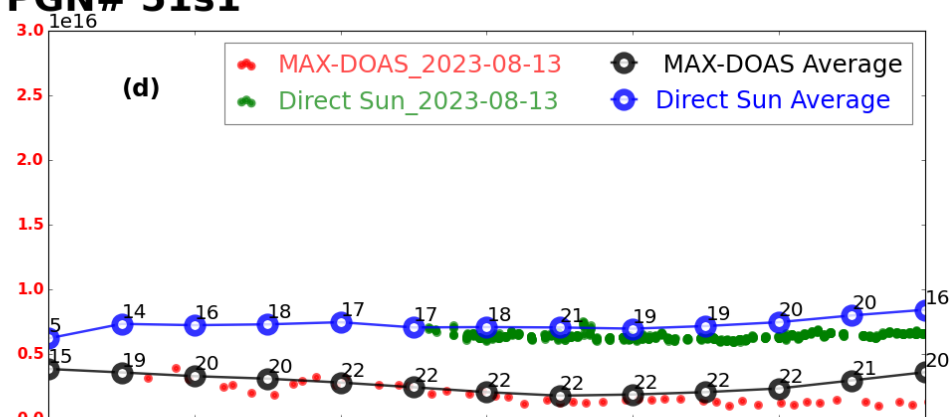
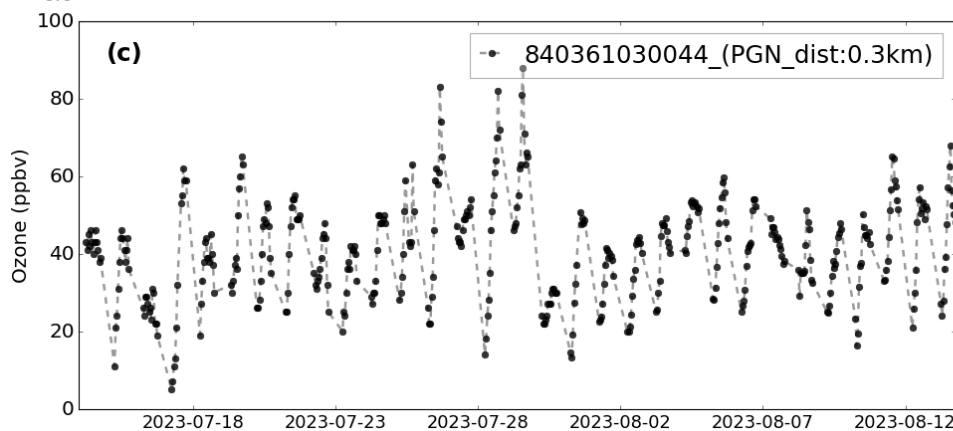
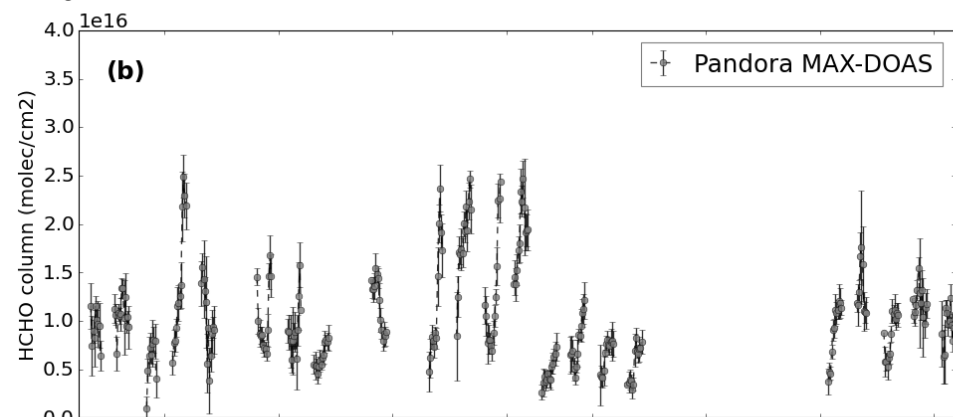
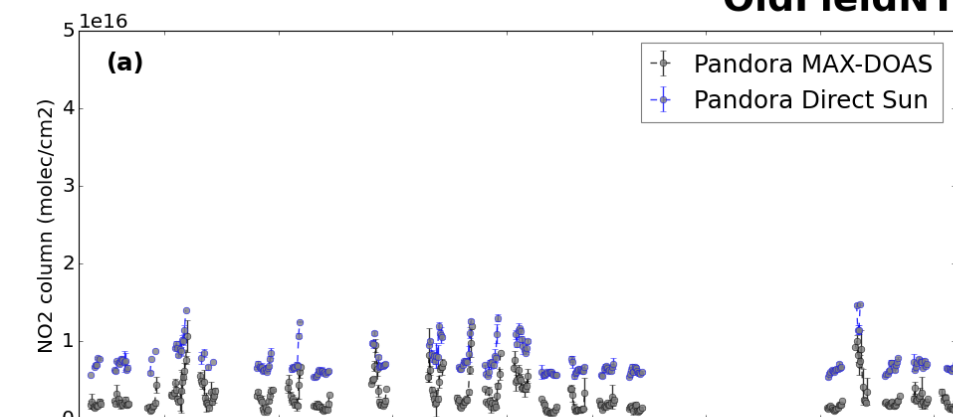
# BronxNY PGN# 180s1



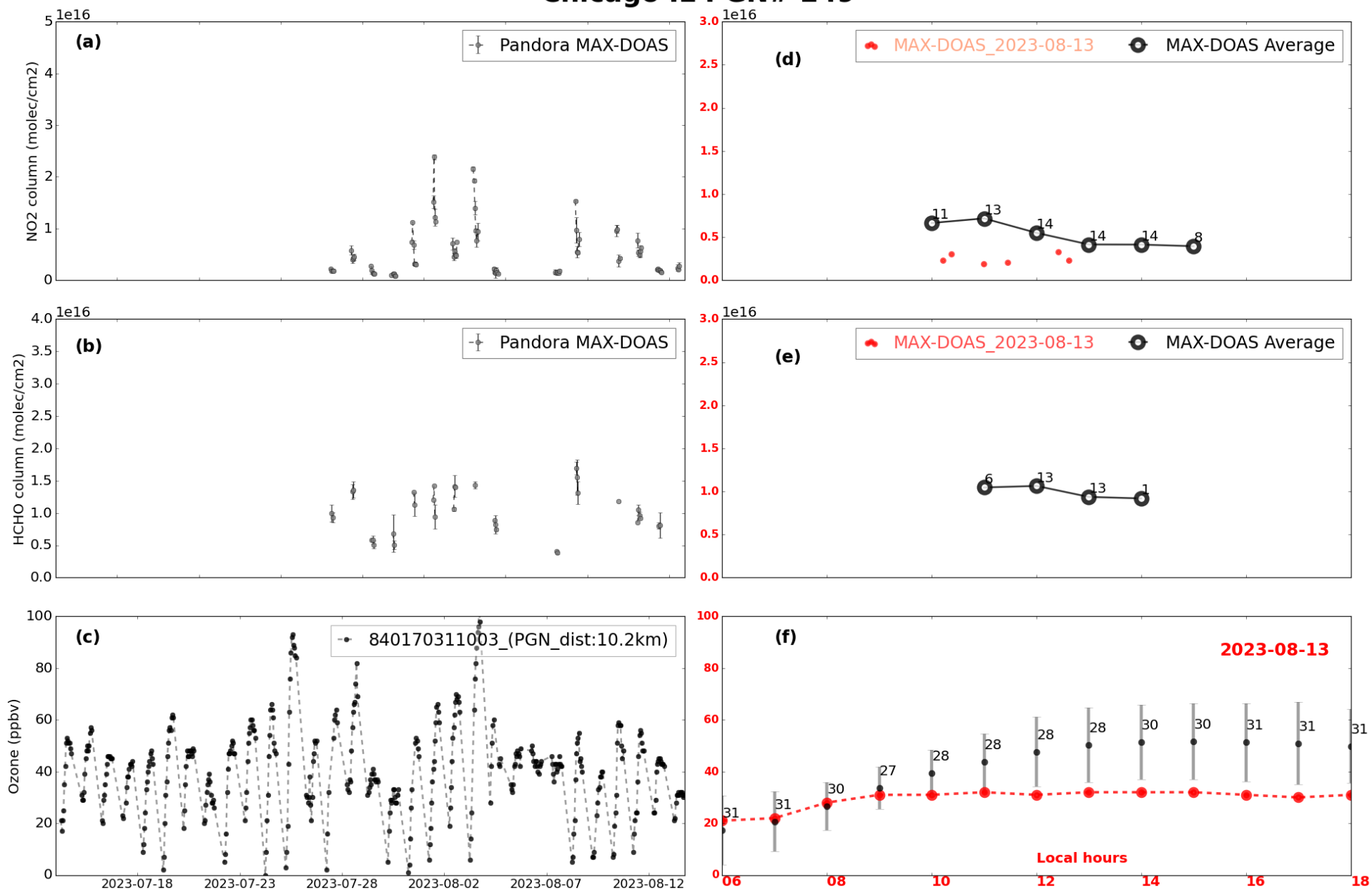
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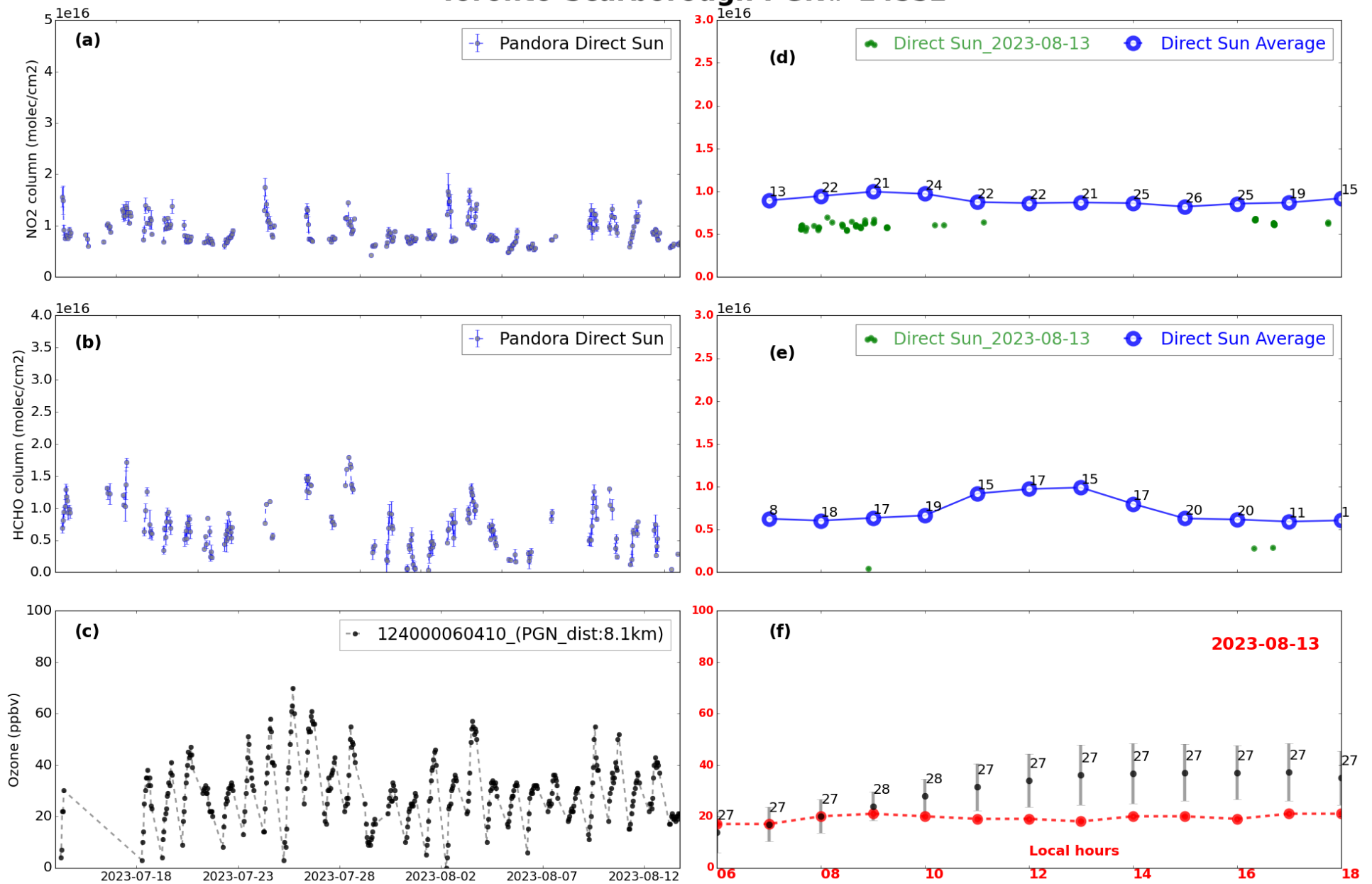
# OldFieldNY PGN# 51s1



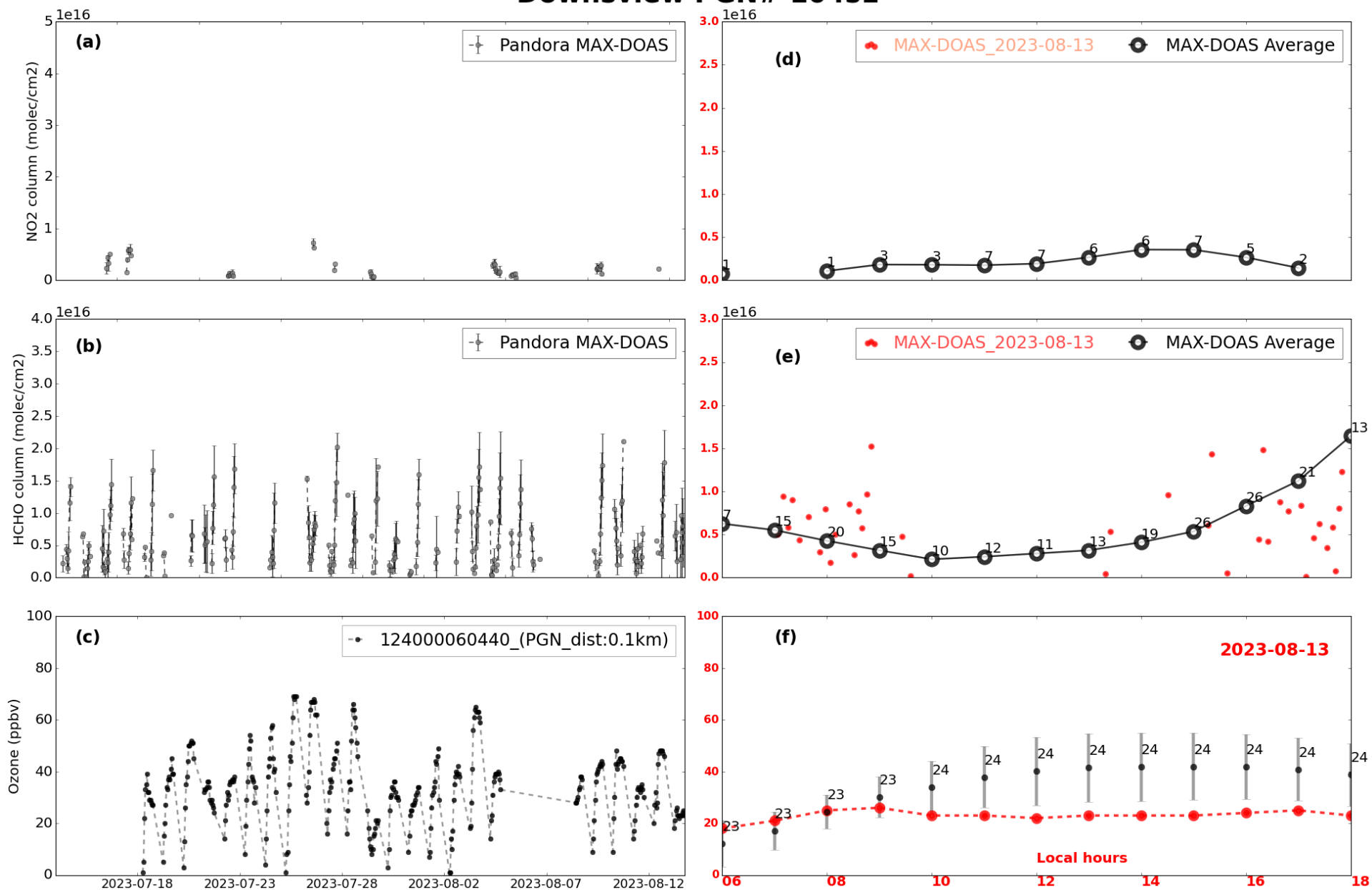
## Chicago IL PGN# 249



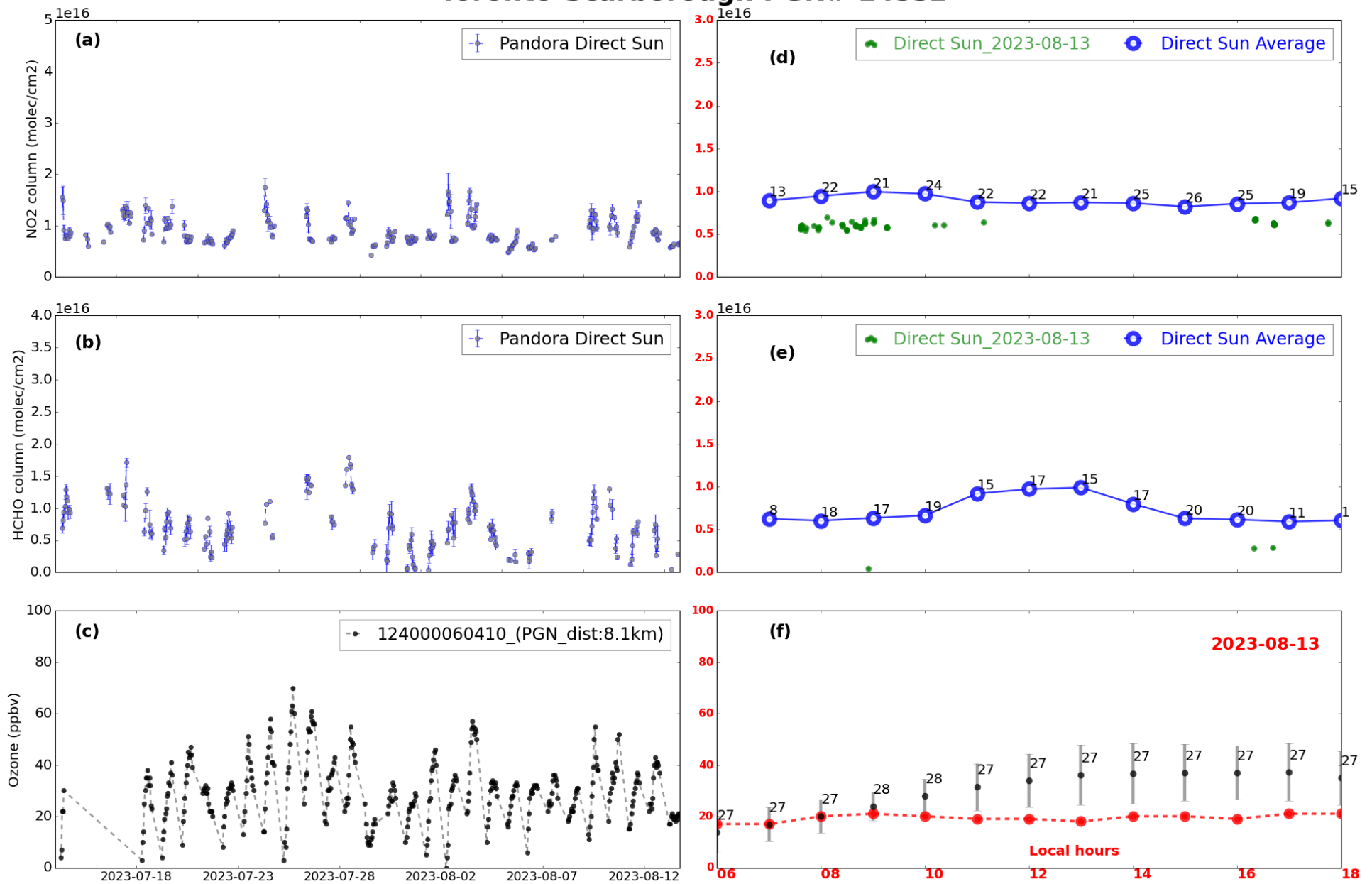
# Toronto-Scarborough PGN# 145s1



## Downsview PGN# 104s1



# Toronto-Scarborough PGN# 145s1



# WhittierCA PGN# 247s1

