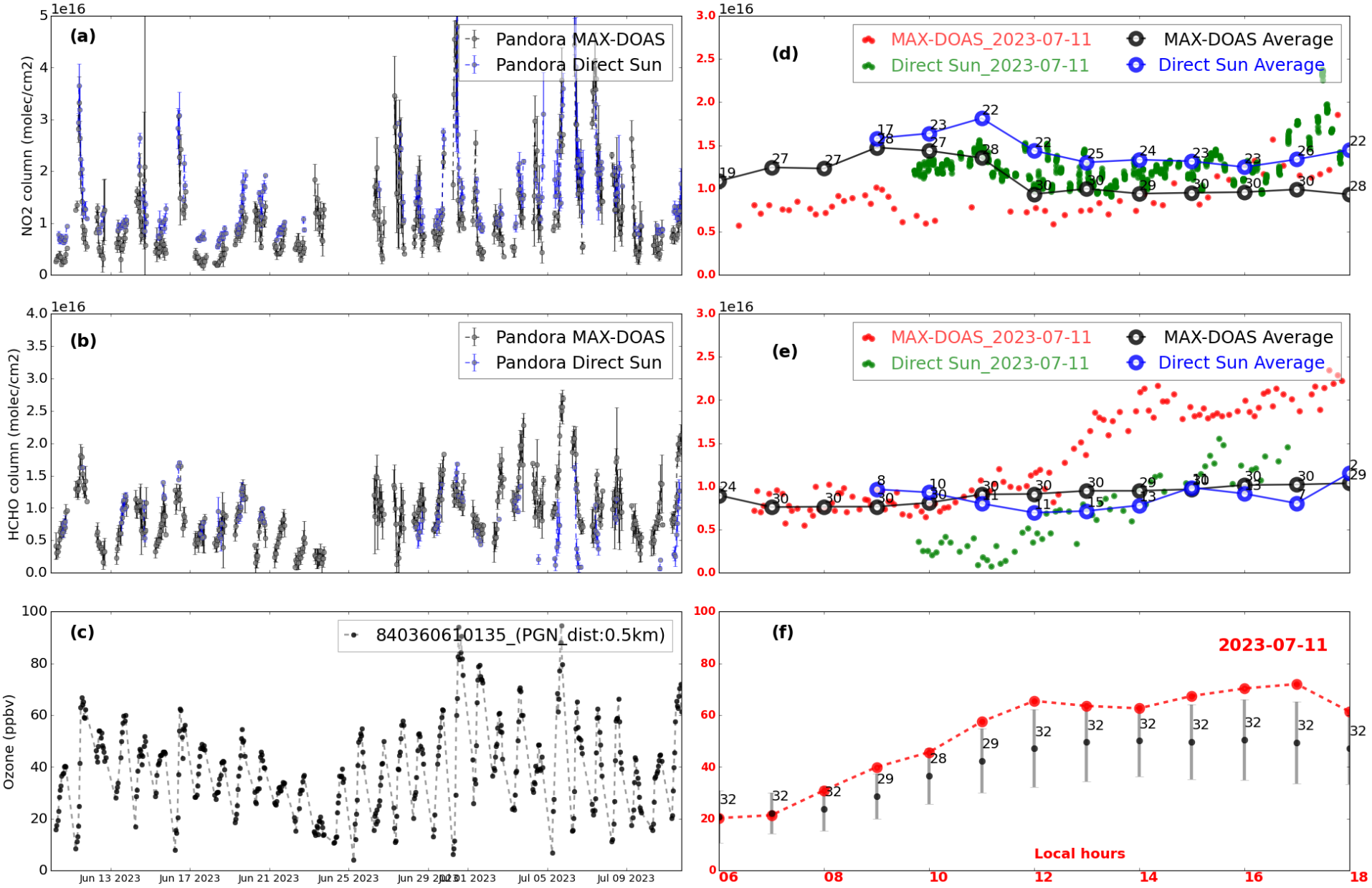
This file contains Pandora and surface ozone quick looks for the NASA STAQS campaign for the following 8 Pandora sites on **July 11, 2023**. If a site is not provided there was no data for the given day. The Pandora data is filtered for medium Quality with 0, 1, 10, 11 quality flags.

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

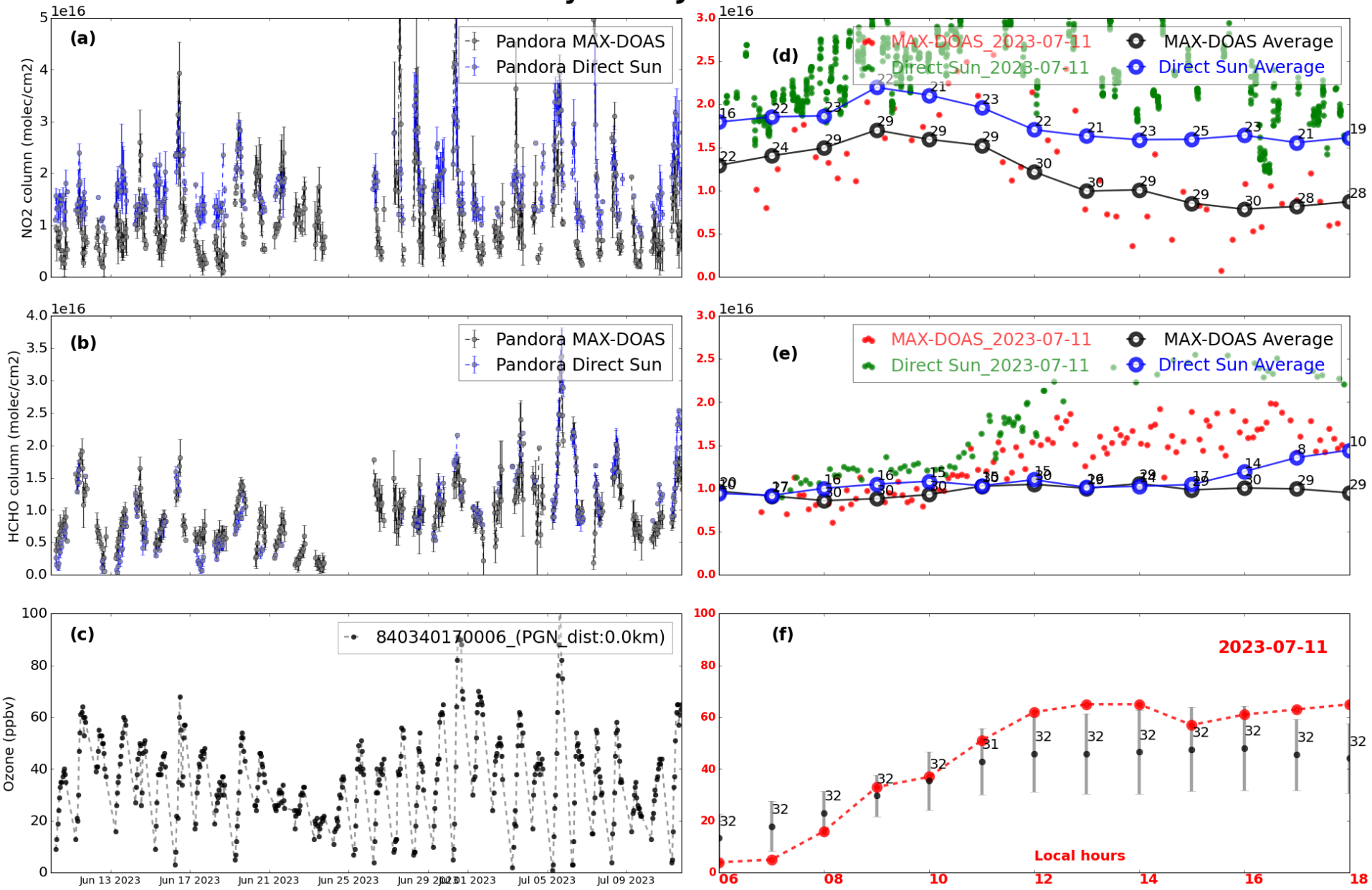
Pandora NO_2 and HCHO columns and EPA AQS surface ozone for each STAQS site with the panels describing the following:

a) The last 30 days of hourly Pandora columns from the direct sun (red) and MAX-DOAS (blue) retrievals for NO_2.
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_2 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.

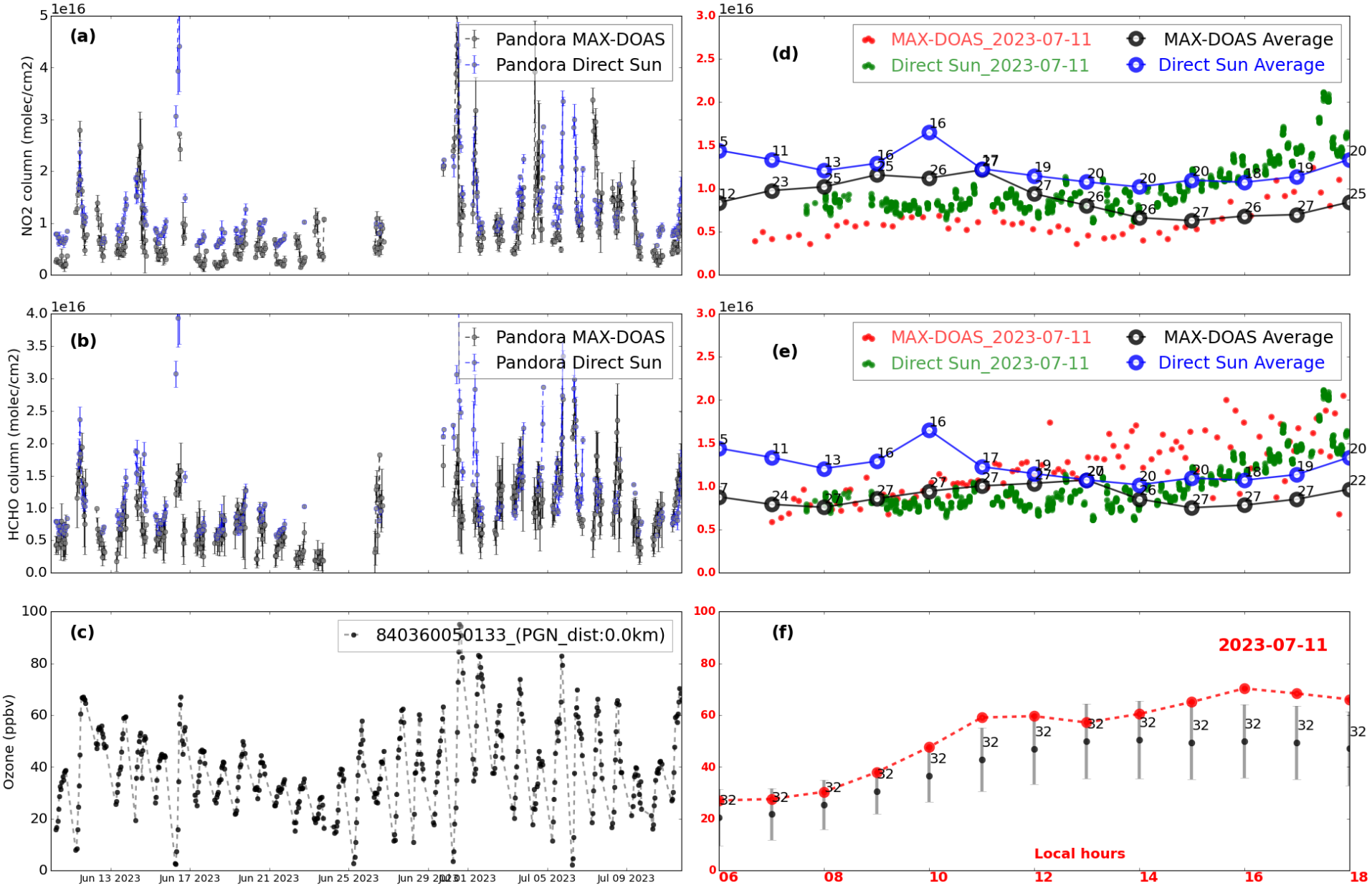
ManhattanNY PGN# 135s1



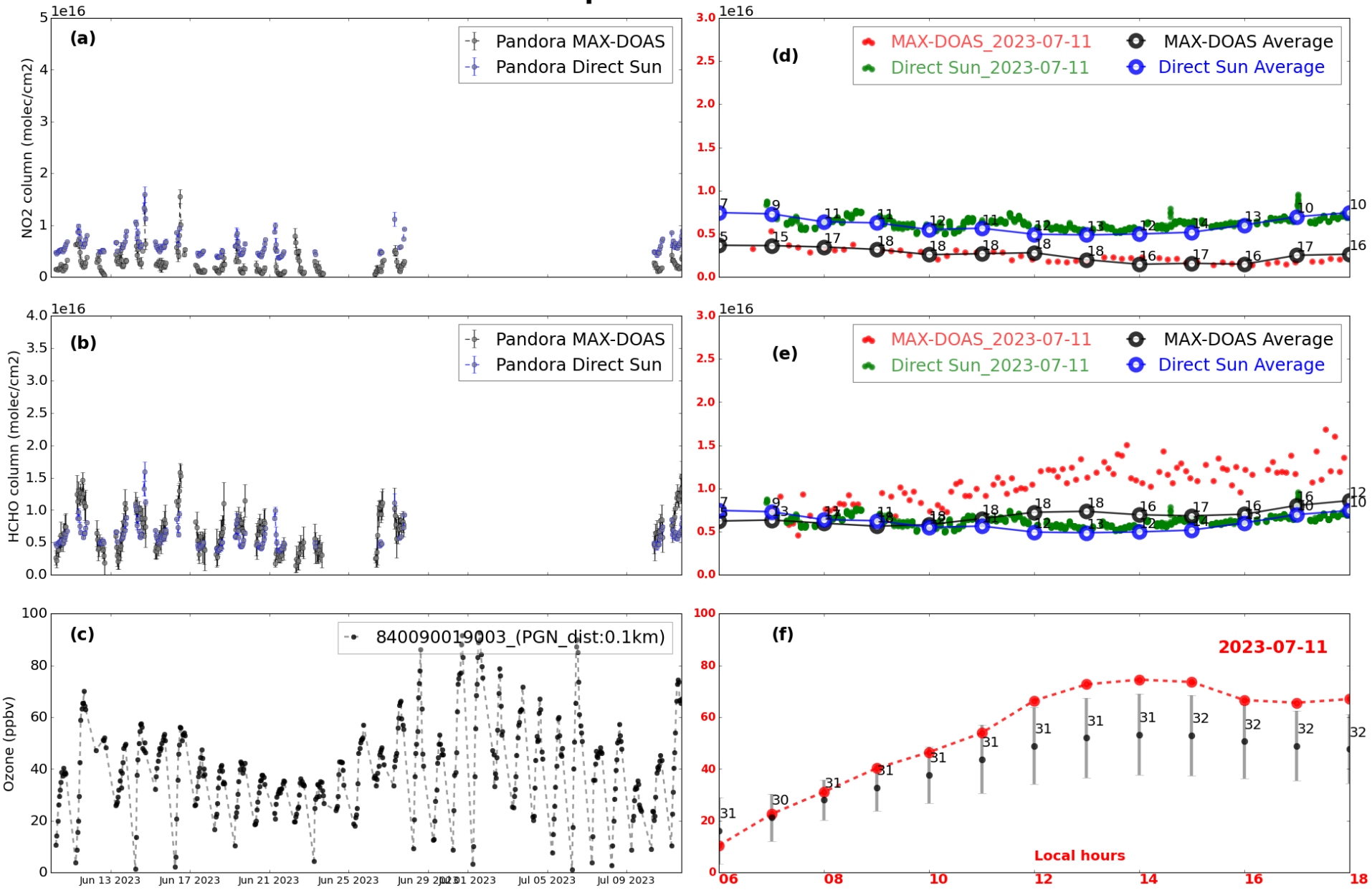
BayonneNJ PGN# 38s1

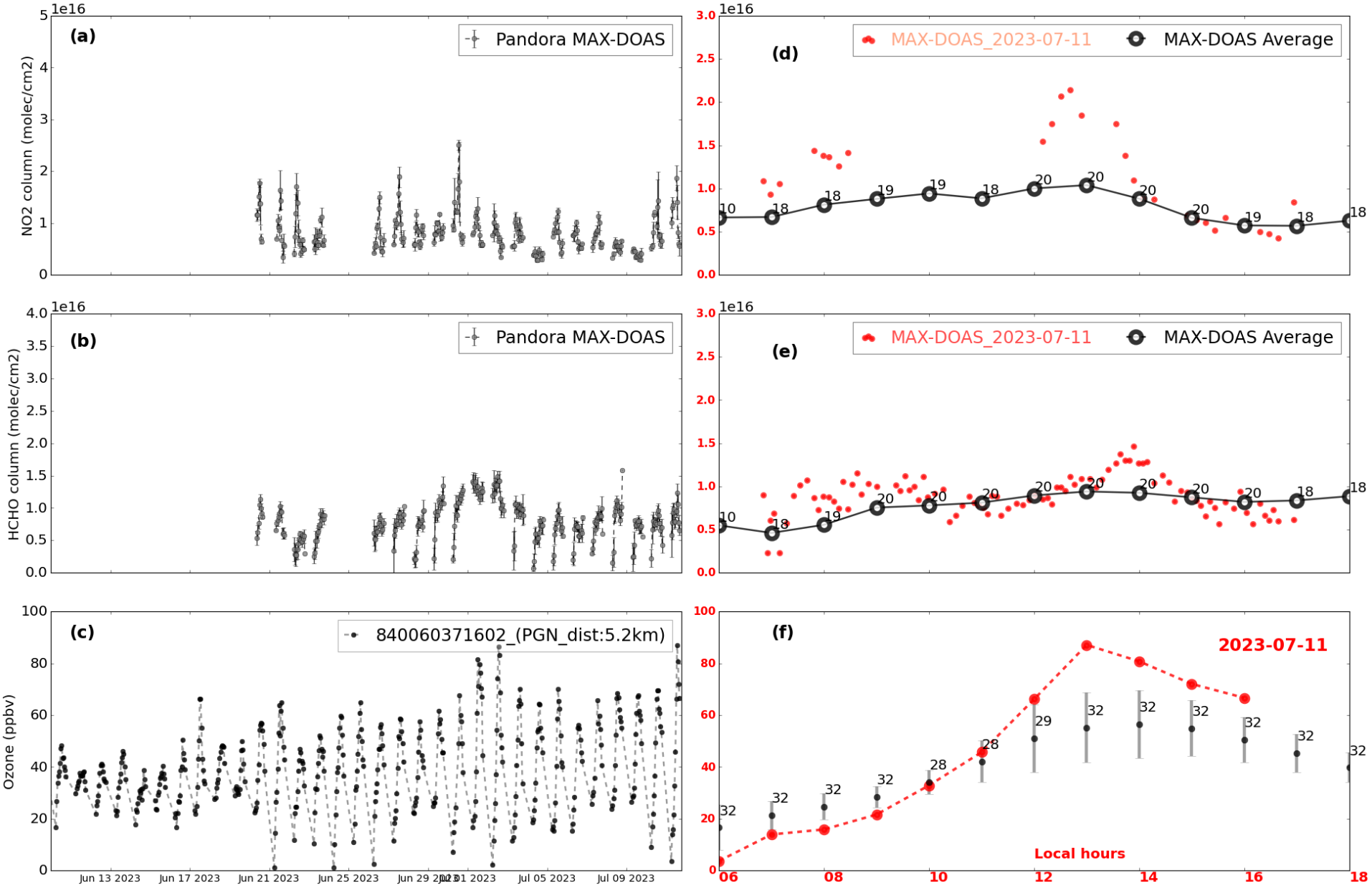


BronxNY PGN# 180s1

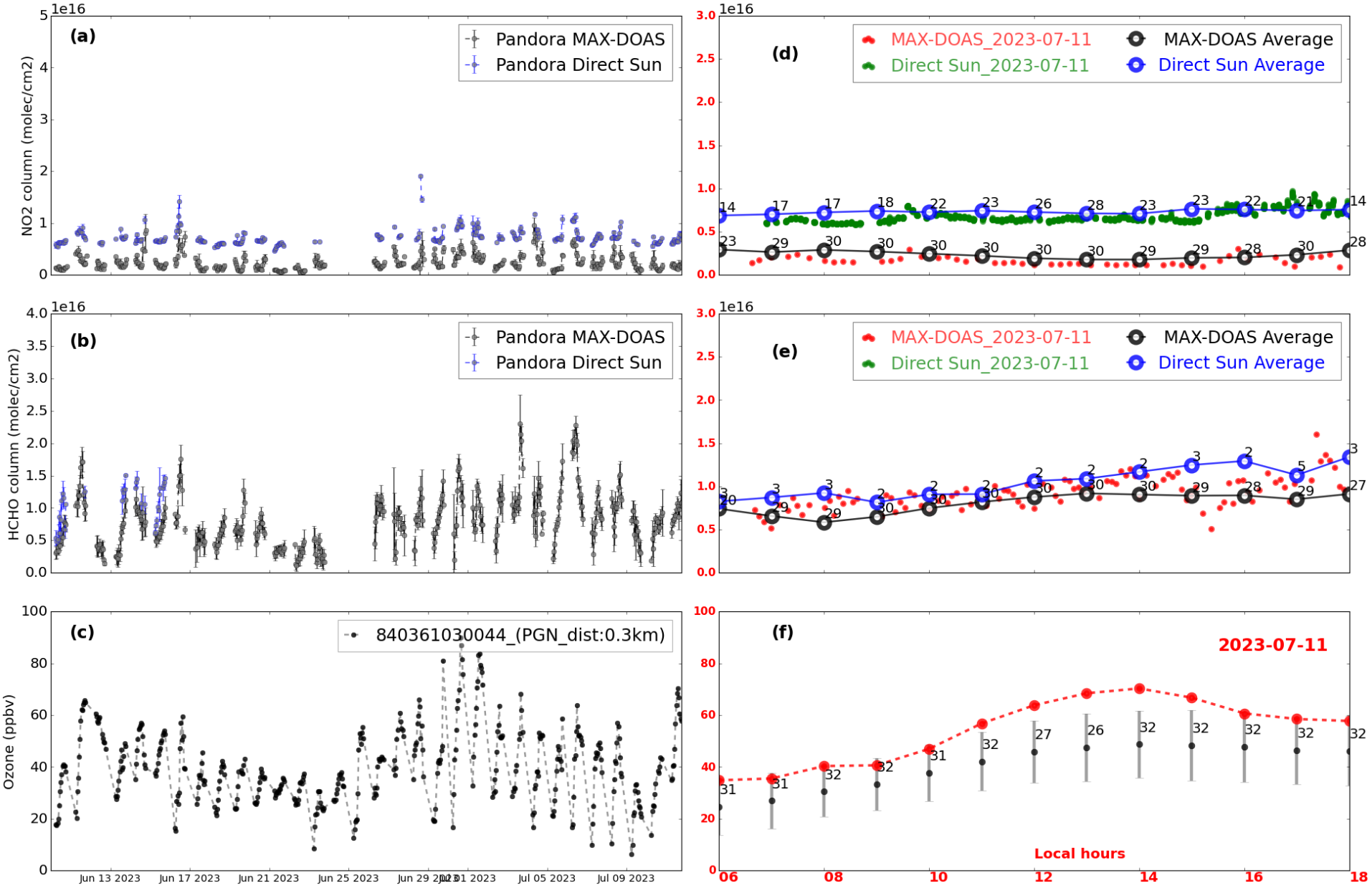


WestportCT PGN# 177s1




WhittierCA PGN# 247s1
(a)
Pandora MAX-DOAS
NO2 column (molec/cm2)
1e16
(b)
Pandora MAX-DOAS
HCHO column (molec/cm2)
1e16
(c)
840060371602_(PGN_dist:5.2km)
Ozone (ppbv)
Jun 13 2023
Jun 17 2023
Jun 21 2023
Jun 25 2023
Jun 29 2023
Jul 01 2023
Jul 05 2023
Jul 09 2023
(d)
MAX-DOAS_2023-07-11
MAX-DOAS Average
1e16
(e)
MAX-DOAS_2023-07-11
MAX-DOAS Average
1e16
(f)
2023-07-11
Local hours
06
08
10
12
14
16
18

OldFieldNY PGN# 51s1



NewBrunswickNJ PGN# 69s1