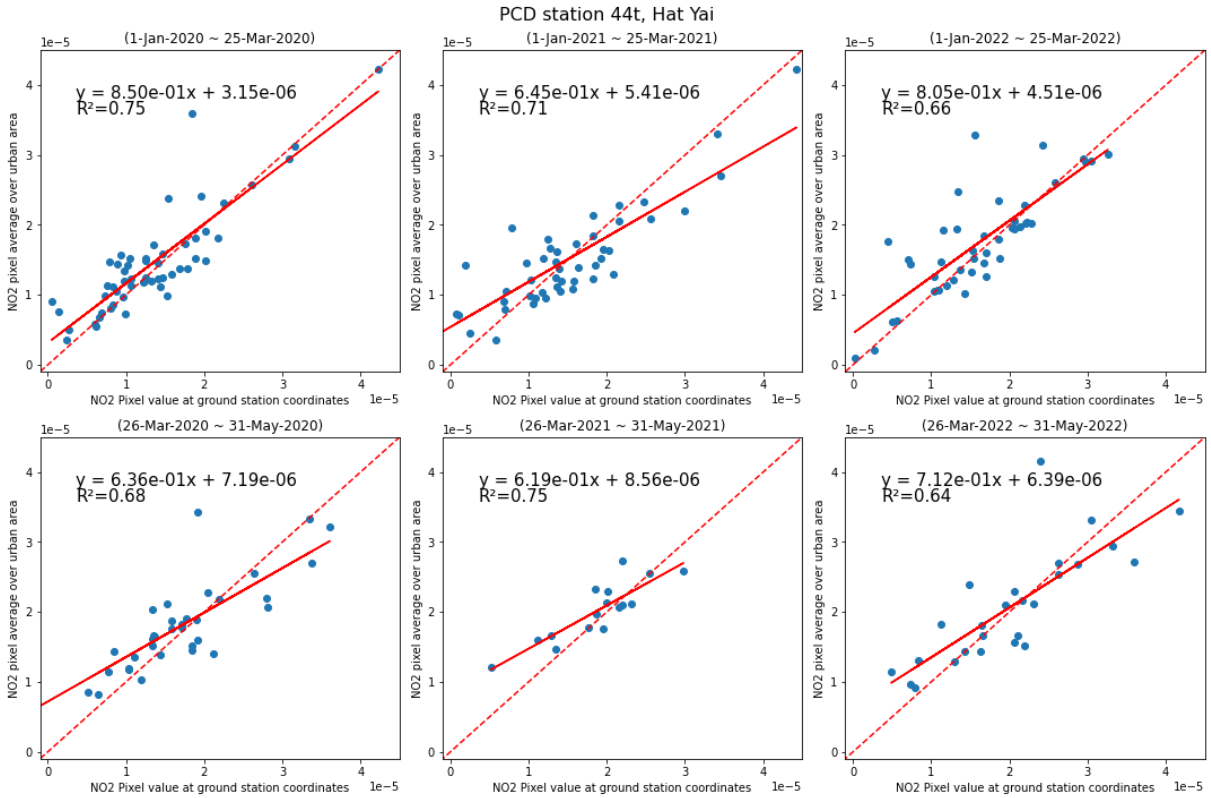
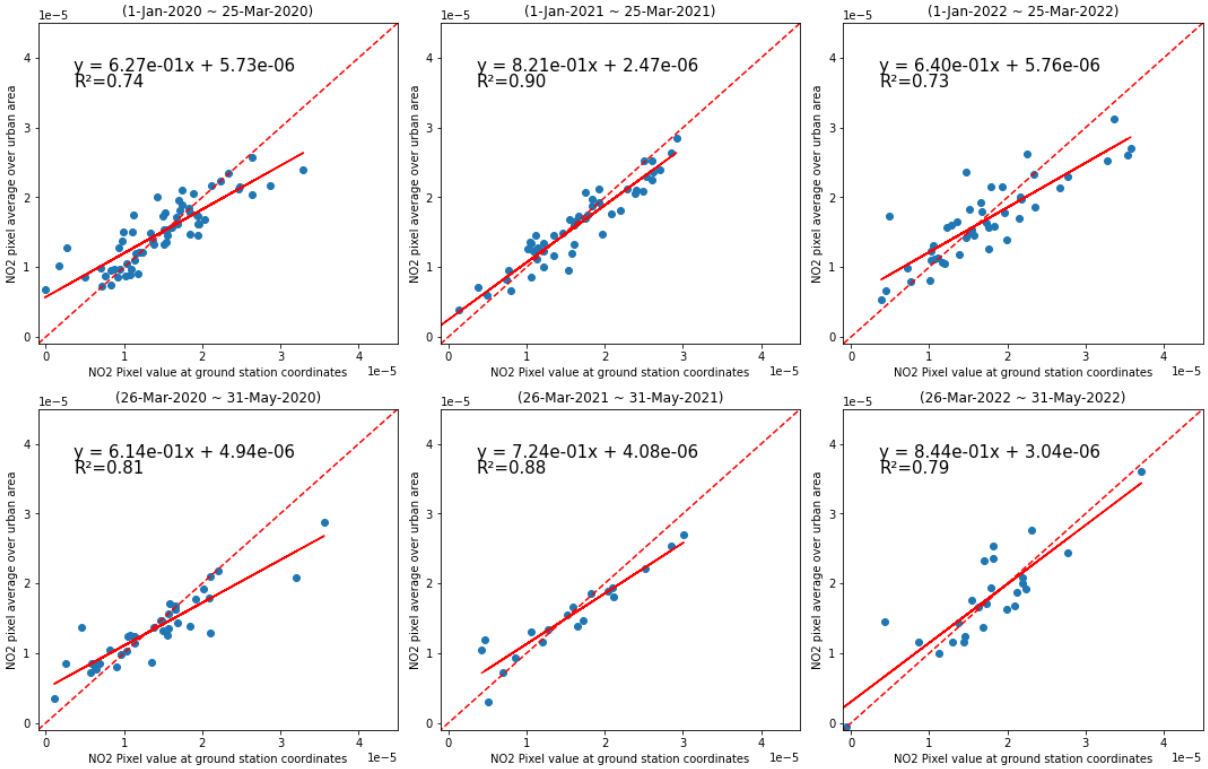
Supplementary Materials

Figure 1. Correlation between Sentinel-5P NO_2 pixel value over the ground station and average of pixel values enclosed by the extent of each small-sized urban area for NO_2 for each reporting period

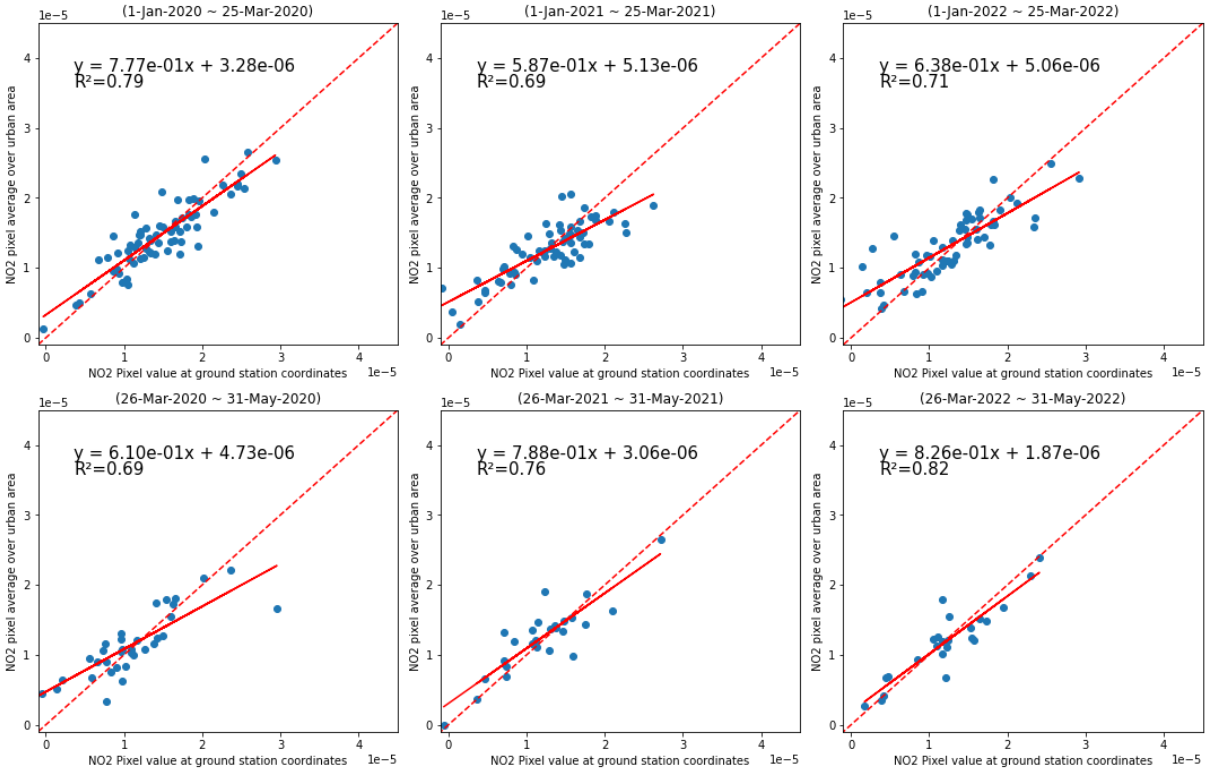
Each graph corresponds to a single surface station with the red solid line representing the regression line.



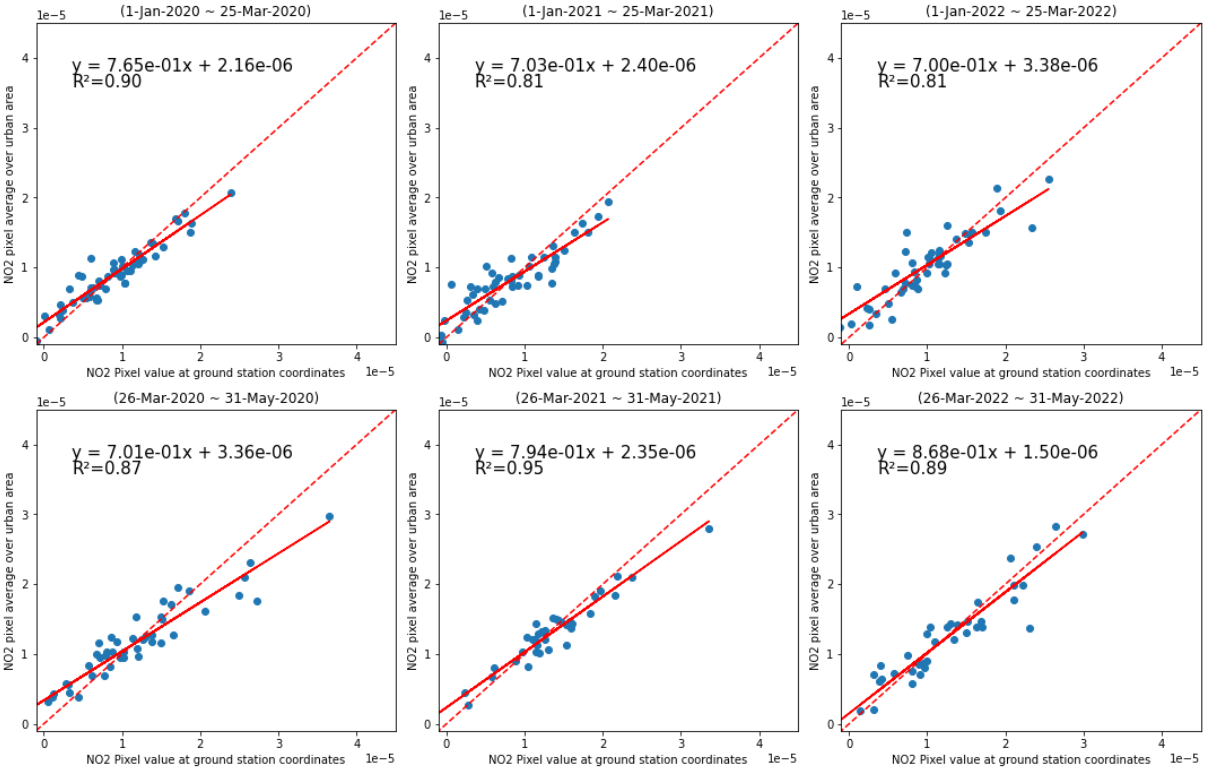
PCD station 42t, Surat Thani



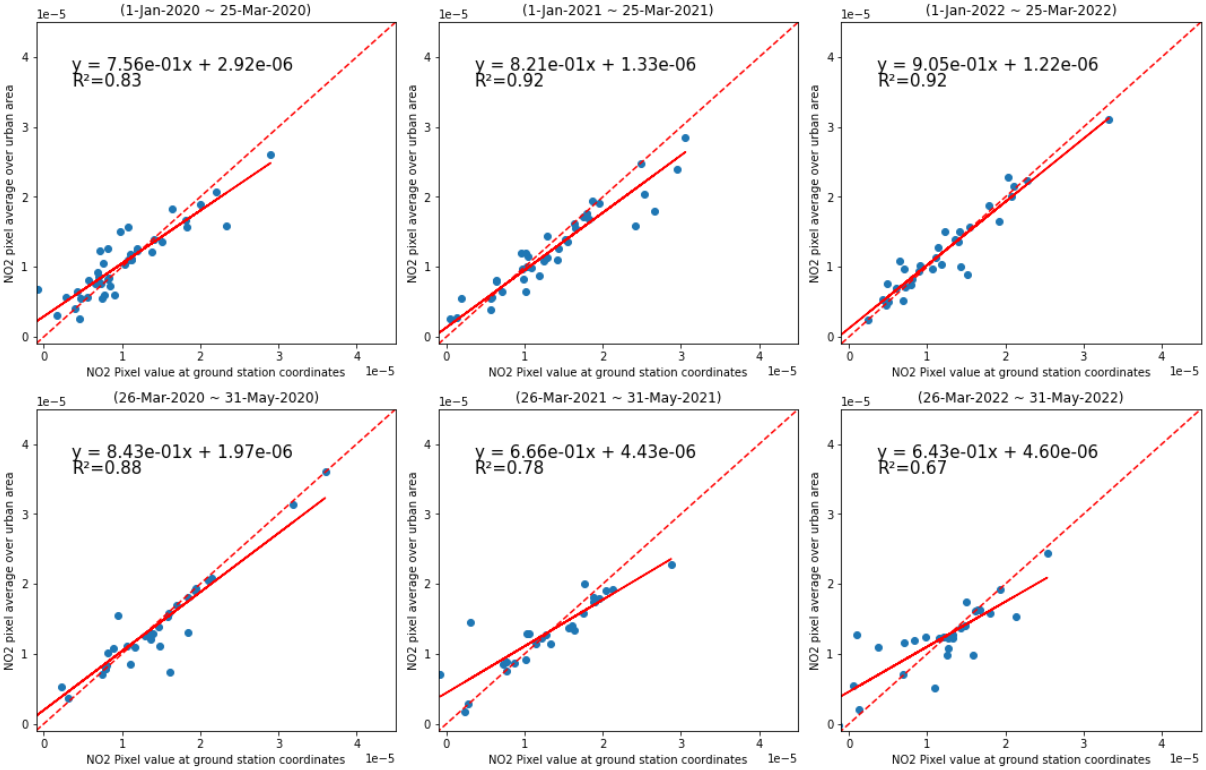
PCD station 43t, Mueang Phuket



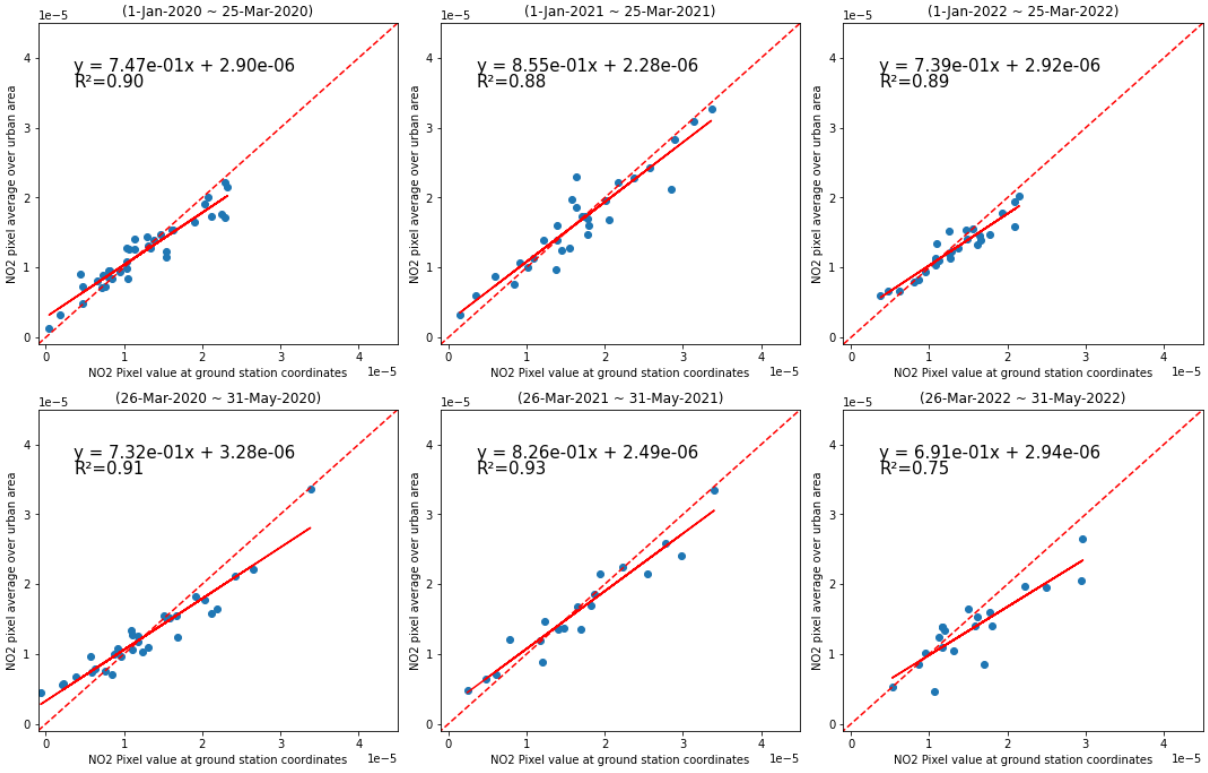
PCD station 62t, Mueang Narathiwat



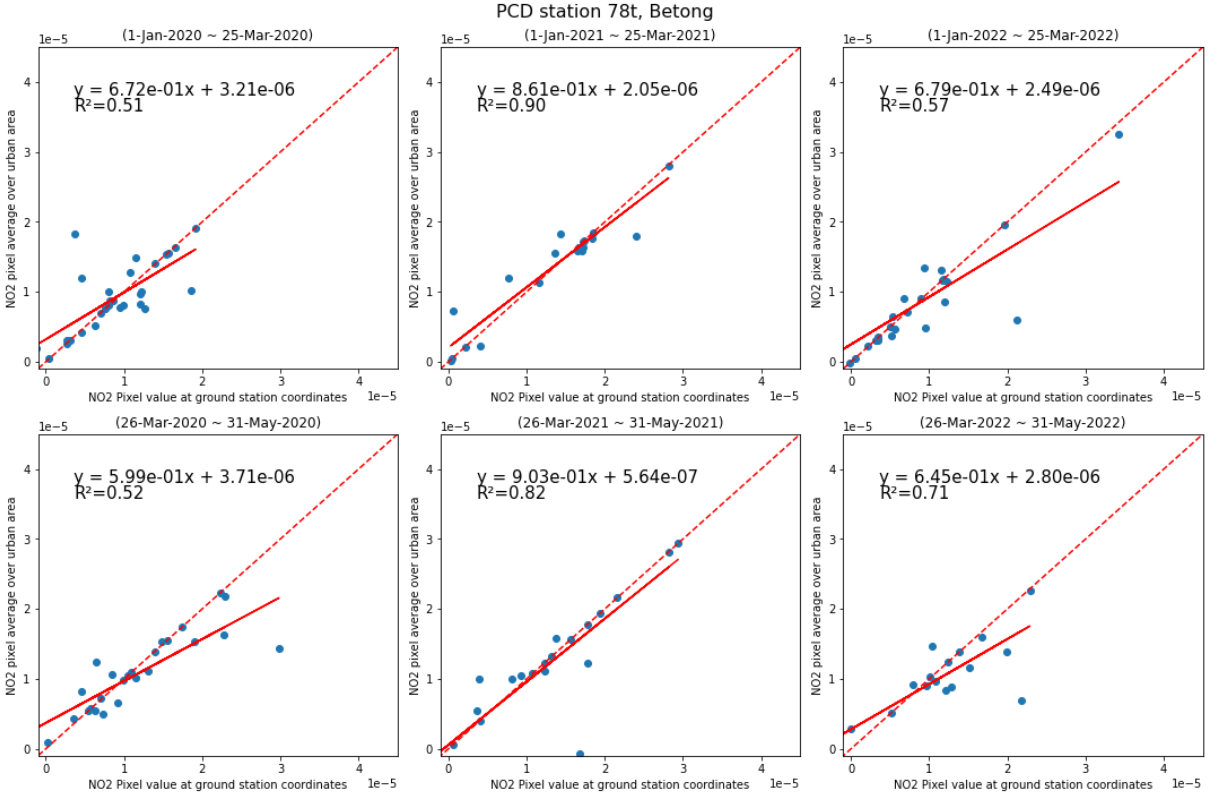
PCD station 63t, Mueang Yala

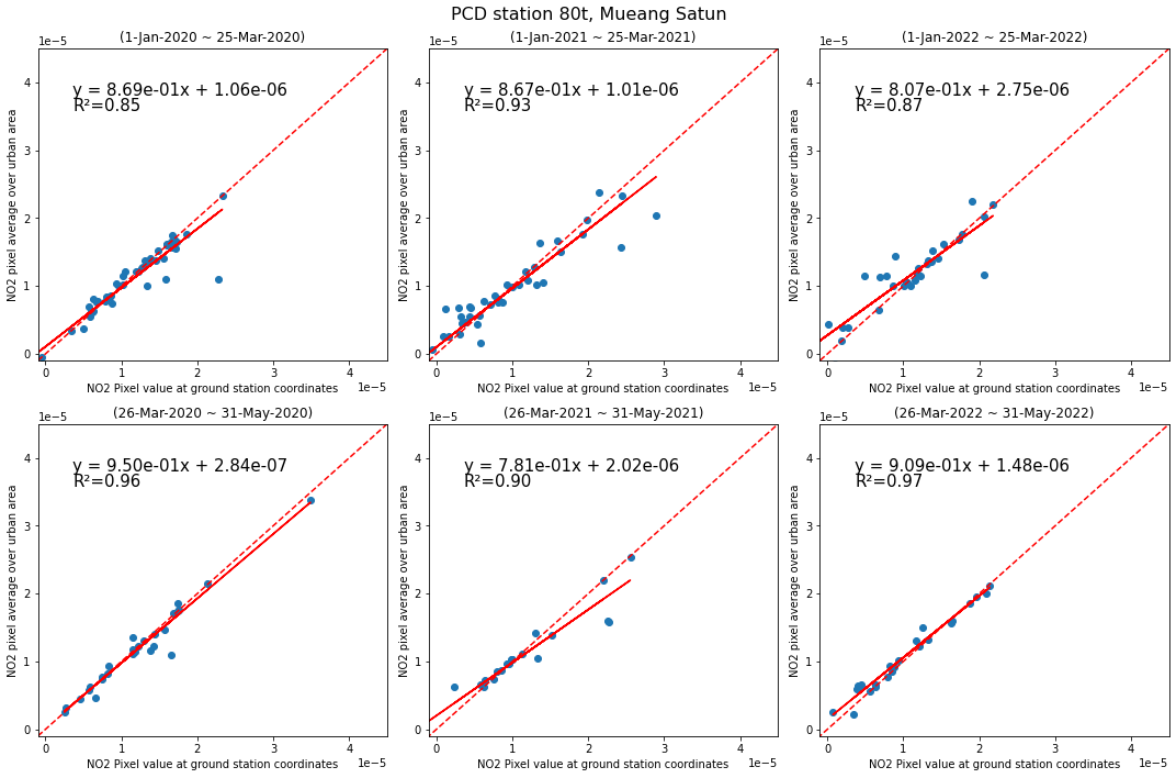


PCD station 89t, Mueang Nakhon Si Thammarat



PCD station 78t, Betong




PCD station 80t, Mueang Satun
(1-Jan-2020 ~ 25-Mar-2020)
y = 8.69e-01x + 1.06e-06
R²=0.85
(1-Jan-2021 ~ 25-Mar-2021)
y = 8.67e-01x + 1.01e-06
R²=0.93
(1-Jan-2022 ~ 25-Mar-2022)
y = 8.07e-01x + 2.75e-06
R²=0.87
(26-Mar-2020 ~ 31-May-2020)
y = 9.50e-01x + 2.84e-07
R²=0.96
(26-Mar-2021 ~ 31-May-2021)
y = 7.81e-01x + 2.02e-06
R²=0.90
(26-Mar-2022 ~ 31-May-2022)
y = 9.09e-01x + 1.48e-06
R²=0.97
NO2 pixel average over urban area
NO2 Pixel value at ground station coordinates
1e−5