

GCAS observations

(cloud filter not applied)

Top row: NO₂ column densities (linear scale)

Middle row: NO₂ column densities (log scale)

Bottom row: count rate in the NO₂ spectral window on detector (indication for bright surfaces and clouds)

20230802 Wednesday CHICAGO, IL

Notes:

TEMPO first light.

Cirrus clouds above aircraft throughout most of the flight.

Daily AQI monitor readings from AirNow.gov:

O₃ AQI: Moderate (AQI: 51 – 100) throughout and Unhealthy for Sensitive Groups (AQI: 101 – 150) at North monitor NORTHBRK.

PM_{2.5} AQI: Good (0 – 50) in Central and South Chicago, Moderate (AQI: 51 – 100) in North Chicago

