Figure 1: Time series of (a) $\text{O}_3$ and (b) $\text{OH}$ concentrations and rates. The graphs show the variation in concentrations and rates with local time for different NO$_2$ levels.

- **O$_3$ (a)**: The graph shows the concentration of ozone (O$_3$) in $10^6$ molecules cm$^{-3}$ s$^{-1}$ over the course of 24 hours, with local times ranging from 0 to 24 hours. The data is represented by different lines for different NO$_2$ levels.

- **OH (b)**: The graph shows the concentration of OH radicals in $10^6$ molecules cm$^{-3}$ and the mixing ratio (ppt) over 24 hours, with local times ranging from 0 to 24 hours. The data is represented by different lines for different NO$_2$ levels.