Supporting information for the following manuscript:

Measurements of nitrous acid in commercial aircraft exhaust at the Alternative Aviation Fuel Experiment

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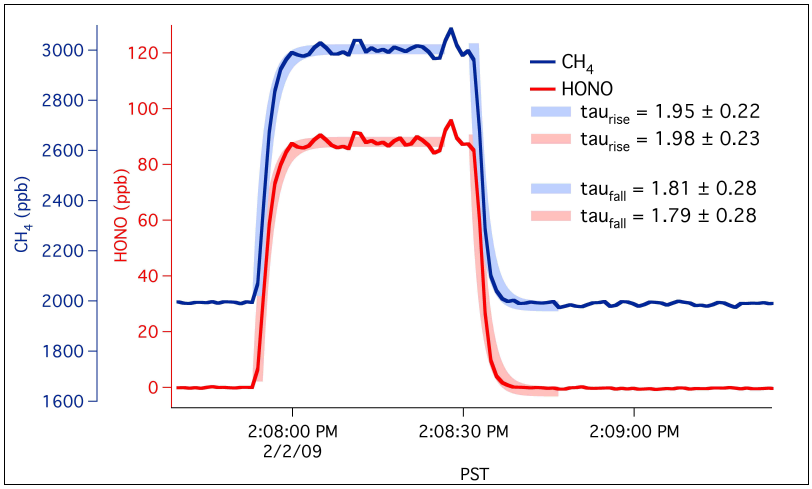
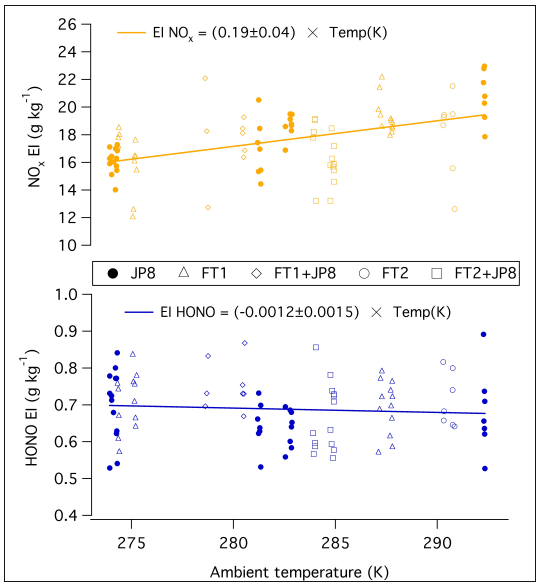
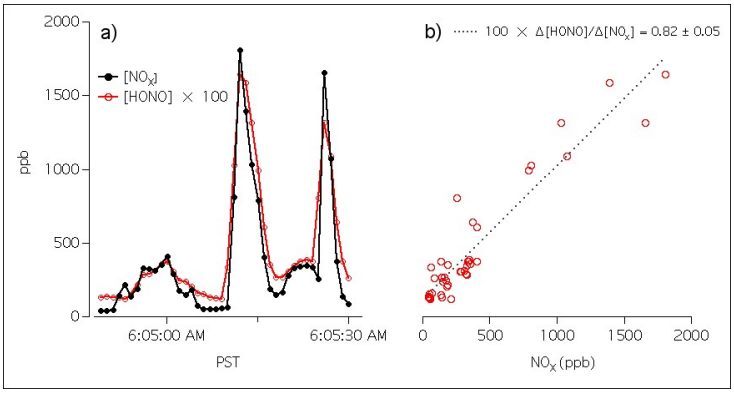
The supporting information contains three (3) pages of figures.



S1. Mixing ratios time series observed during a typical injection of source gas with enhanced levels of CH_4 and HONO. Time response (1/e) – determined by an exponential fit of the increase and decrease of the mixing ratios versus time – are averages of six injection tests.



S2. Emission indices of NO_x (a) and HONO (b) observed at maximum rated engine thrust parsed by fuel-type (symbols shown in legend), plotted against ambient temperature.



S3. Time-series a) of HONO and NO_x mixing ratios measured from a diesel-powered generator during AAFEX. Scatter plot b) between HONO and NO_x shows an emission ratio of 0.82 ± 0.05%.