HO<sub>2</sub> CH<sub>4</sub> decomposition Biomass burning Lightning Biogenic Pressure (hPa) 10 30 50 100 200 60° S 60° N 60° N 60° N 60° S  $60^{\circ}\,\mathrm{S}$ 60° S 60° N 0 0 0 Anthrop non-traffic Shipping Road traffic Aviation Pressure (hPa) 10 30 50 100 200 60° S 0 60° N 60° S 0 60° N 60° S 0 60° N 60° S 60° N 0 N<sub>2</sub>O decomposition Stratosph. O<sub>3</sub> prod. Pressure (hPa) 10 30 50 100 200 60° N  $60^{\circ}\,\text{S}$ 60° N  $60^{\circ} \, \text{S}$ 0 0

-1e-10

-1e-11

-1e-12

-1e-13

-1e-14

1e-14

1e-13

1e-12

1e-11

1e-10

mol mol<sup>-1</sup>