(a) O_3

(b) HO_x

(c) Cl_x

(d) HNO_3

(e) NO_x

(f) H_2O

Pressure [hPa]

10^{-2}

10^{0}

10^{2}

Altitude [km]

100

80

60

40

20

-20 0 20 40 60

Days since SPE

Mixing ratio

$\times 10^{-7}$

-2 -1 0 1 2

$\times 10^{-9}$

-1 -0.5 0 0.5 1

$\times 10^{-11}$

-4 -2 0 2 4

$\times 10^{-10}$

-2 -1 0 1 2

10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6}

$\times 10^{-7}$

-3 -2 -1 0 1 2 3