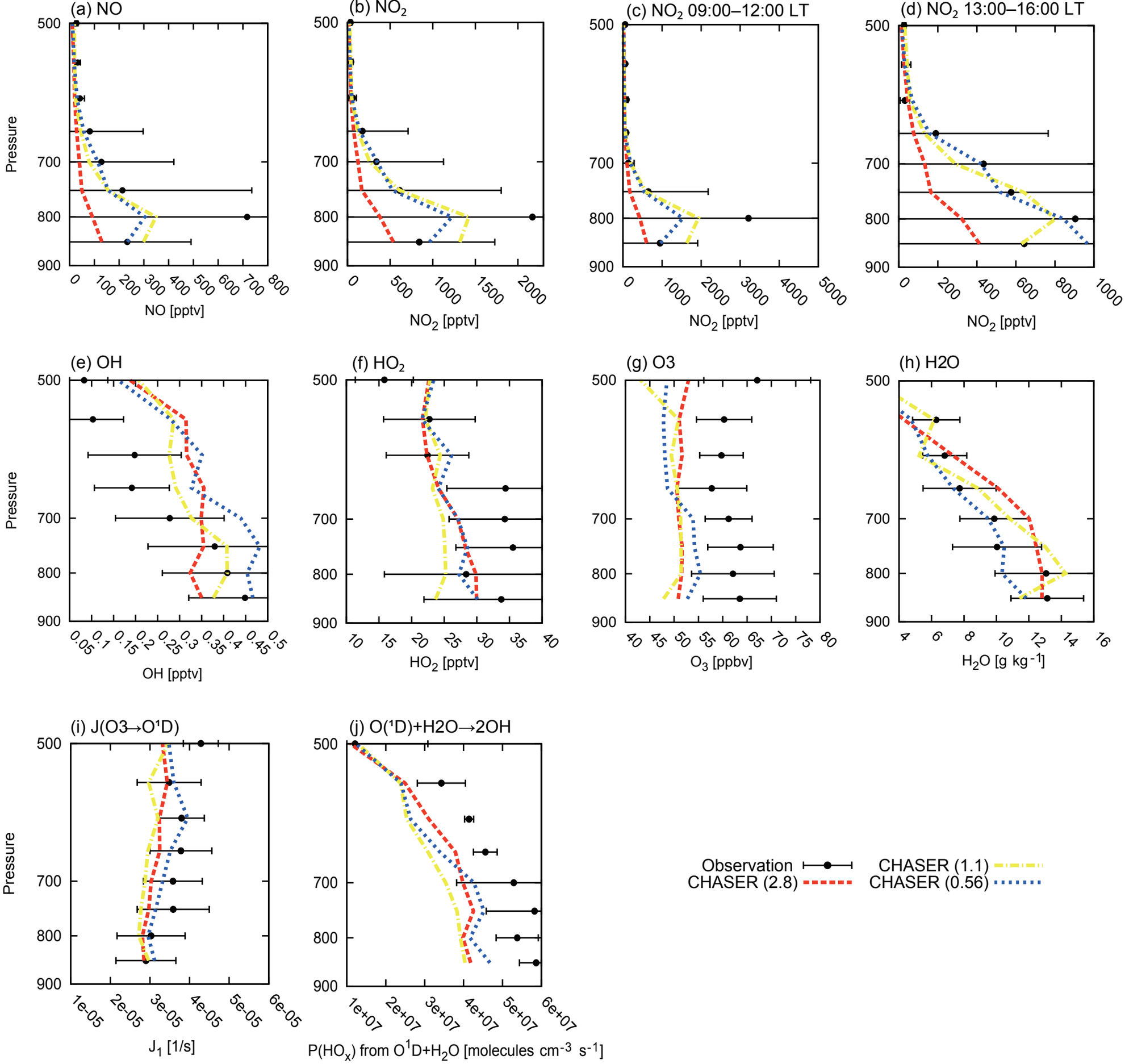
(a) NO
(b) NO2
(c) NO2 09:00–12:00 LT
(d) NO2 13:00–16:00 LT
(e) OH
(f) HO2
(g) O3
(h) H2O
(i) J(O3→O1D)
(j) O(1D)+H2O→2OH
Pressure
500
700
800
900
0 100 200 300 400 500 600 700 800
NO [pptv]
0 500 1000 1500 2000
NO2 [pptv]
0 1000 2000 3000 4000 5000
NO2 [pptv]
0 200 400 600 800 1000
NO2 [pptv]
0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5
OH [pptv]
10 15 20 25 30 35 40
HO2 [pptv]
40 45 50 55 60 65 70 75 80
O3 [ppbv]
4 6 8 10 12 14 16
H2O [g kg-1]
1e-05 2e-05 3e-05 4e-05 5e-05 6e-05
J1 [1/s]
1e+07 2e+07 3e+07 4e+07 5e+07 6e+07
P(HOx) from O1D+H2O [molecules cm-3 s-1]
Observation
CHASER (2.8)
CHASER (1.1)
CHASER (0.56)