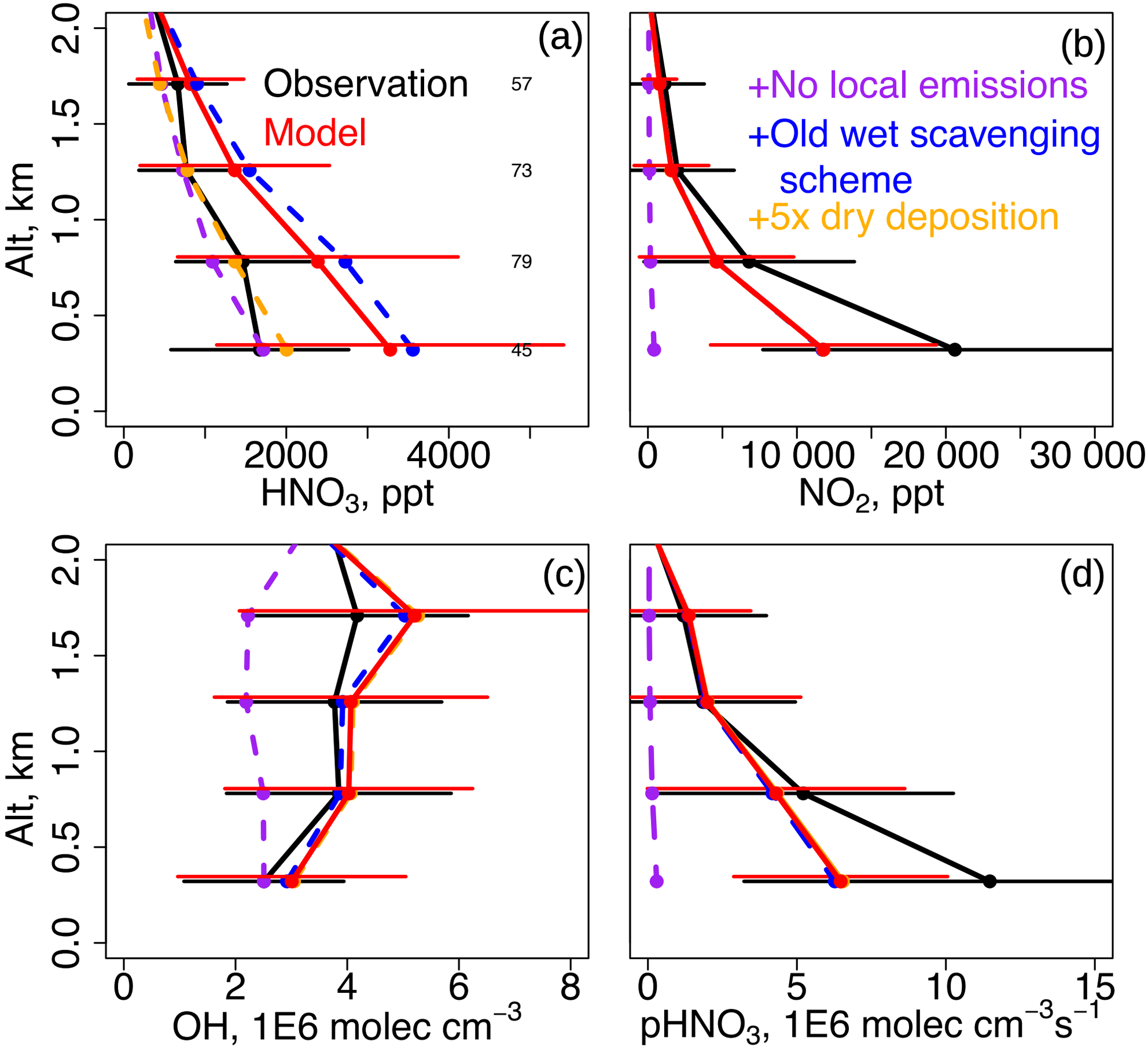
(a)
Observation
Model
57
73
79
45
Alt, km
0.0
0.5
1.0
1.5
2.0
0
2000
4000
HNO3, ppt
(b)
+No local emissions
+Old wet scavenging scheme
+5x dry deposition
0
10 000
20 000
30 000
NO2, ppt
(c)
0
2
4
6
8
OH, 1E6 molec cm−3
(d)
0
5
10
15
pHNO3, 1E6 molec cm−3s−1