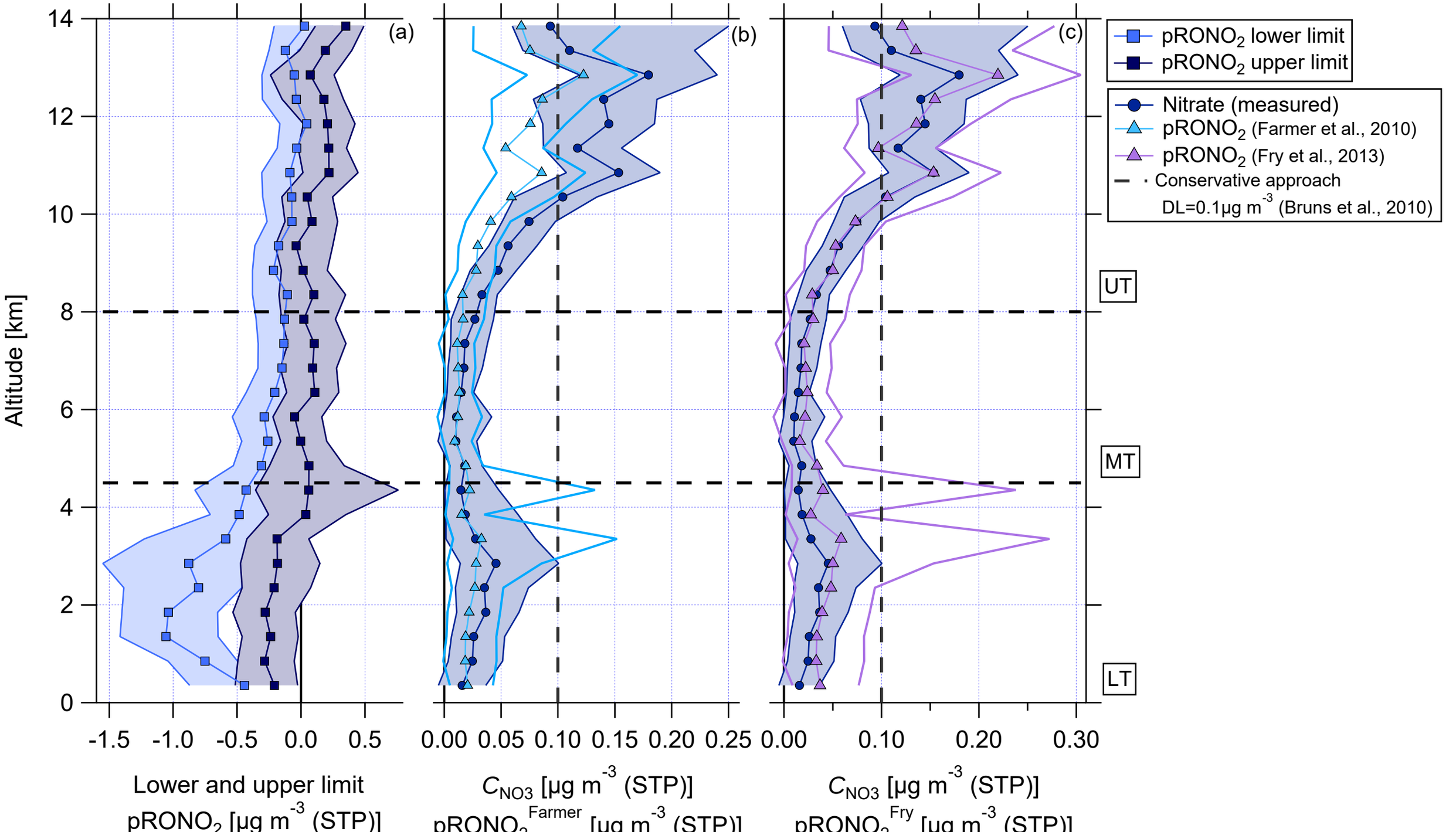
(a)
(b)
(c)
Altitude [km]
14
12
10
8
6
4
2
0
-1.5
-1.0
-0.5
0.0
0.5
0.00
0.05
0.10
0.15
0.20
0.25
0.00
0.10
0.20
0.30
Lower and upper limit
pRONO2 [µg m-3 (STP)]
CNO3 [µg m-3 (STP)]
pRONO2Farmer [µg m-3 (STP)]
CNO3 [µg m-3 (STP)]
pRONO2Fry [µg m-3 (STP)]
UT
MT
LT
pRONO2 lower limit
pRONO2 upper limit
Nitrate (measured)
pRONO2 (Farmer et al., 2010)
pRONO2 (Fry et al., 2013)
Conservative approach
DL=0.1µg m-3 (Bruns et al., 2010)