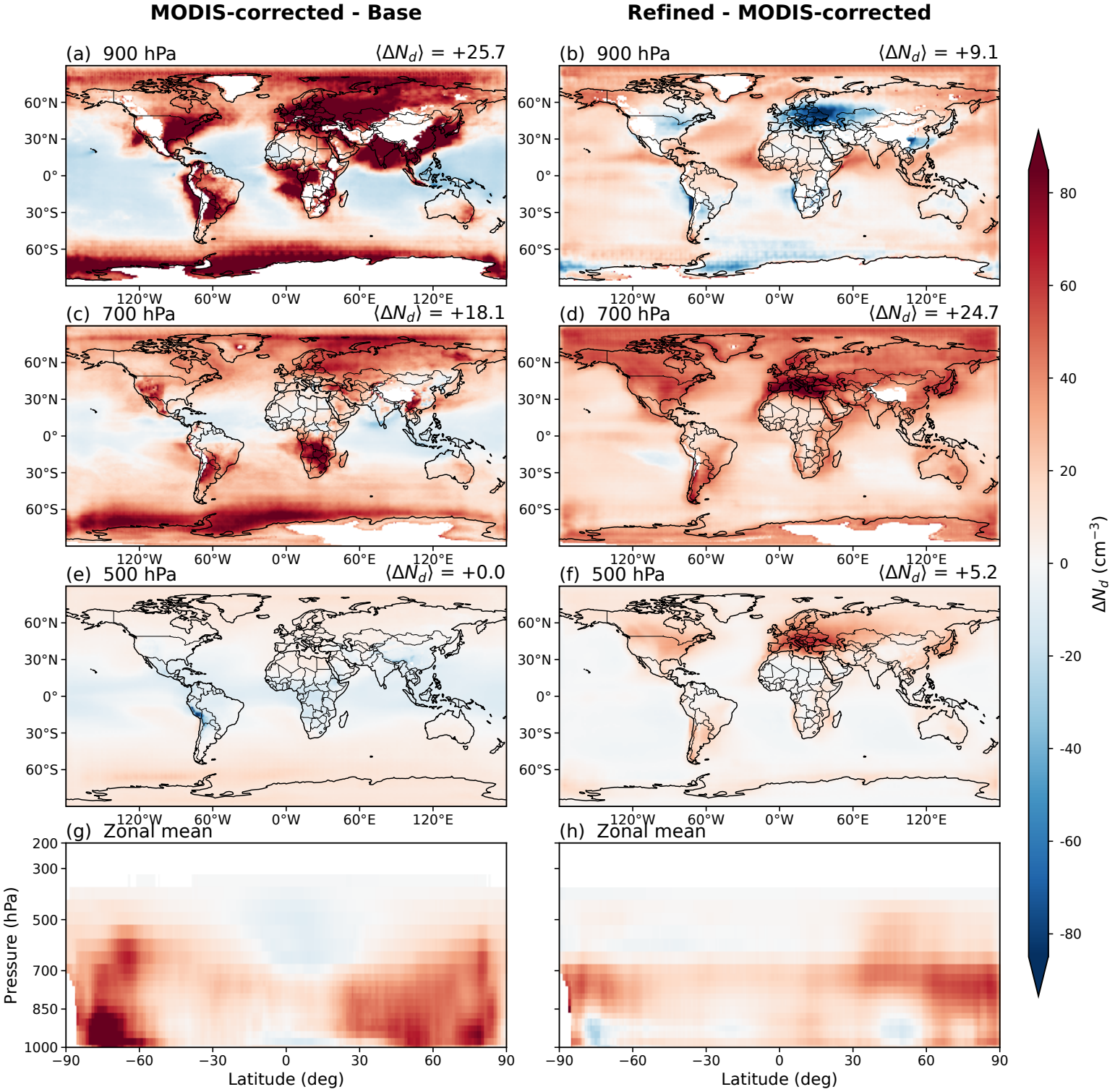

MODIS-corrected - Base
Refined - MODIS-corrected
(a) 900 hPa
⟨ΔN_d⟩ = +25.7
(b) 900 hPa
⟨ΔN_d⟩ = +9.1
(c) 700 hPa
⟨ΔN_d⟩ = +18.1
(d) 700 hPa
⟨ΔN_d⟩ = +24.7
(e) 500 hPa
⟨ΔN_d⟩ = +0.0
(f) 500 hPa
⟨ΔN_d⟩ = +5.2
60°N
30°N
0°
30°S
60°S
120°W
60°W
0°W
60°E
120°E
(g) Zonal mean
(h) Zonal mean
Pressure (hPa)
200
300
500
700
850
1000
−90
−60
−30
0
30
60
90
Latitude (deg)
ΔN_d (cm^−3)
80
60
40
20
0
-20
-40
-60
-80