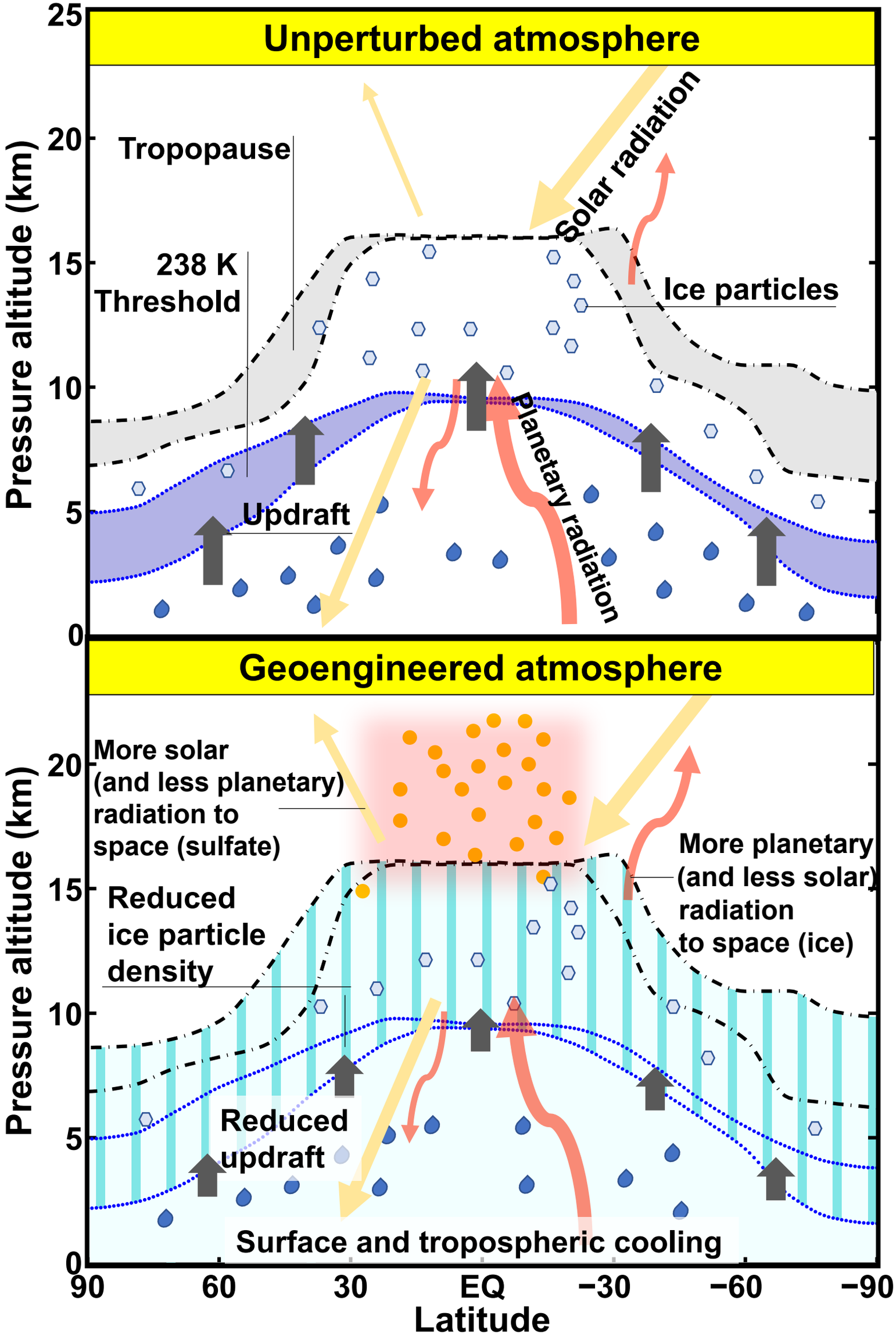
Unperturbed atmosphere
Tropopause
238 K
Threshold
Solar radiation
Ice particles
Updraft
Planetary radiation
Geoengineered atmosphere
More solar
(and less planetary)
radiation to
space (sulfate)
Reduced
ice particle
density
More planetary
(and less solar)
radiation
to space (ice)
Reduced
updraft
Surface and tropospheric cooling
Pressure altitude (km)
25
20
15
10
5
0
90
60
30
EQ
−30
−60
−90
Latitude