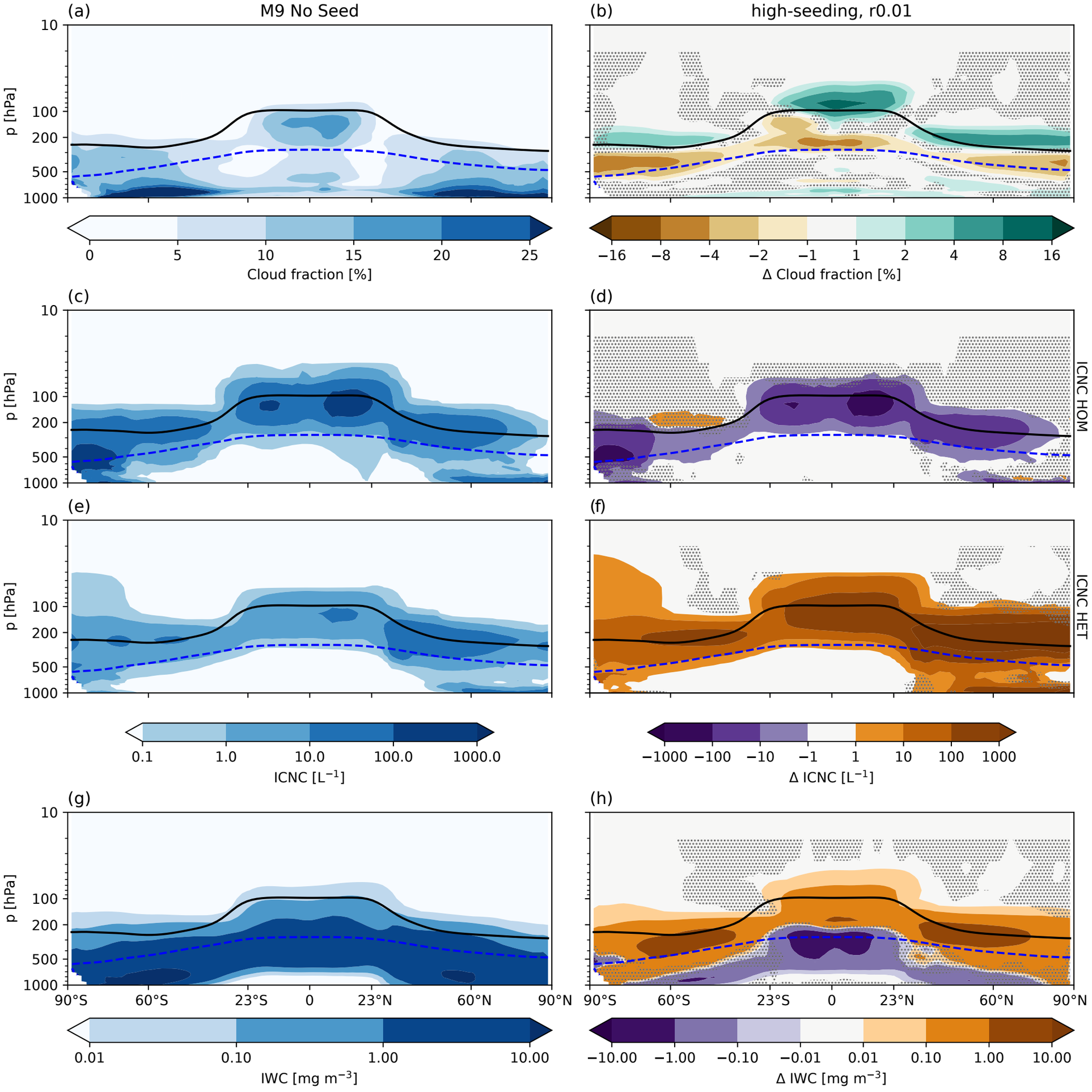
(a)
M9 No Seed
(b)
high-seeding, r0.01
p [hPa]
10
100
200
500
1000
0
5
10
15
20
25
Cloud fraction [%]
−16
−8
−4
−2
−1
1
2
4
8
16
Δ Cloud fraction [%]
(c)
(d)
ICNC HOM
(e)
(f)
ICNC HET
0.1
1.0
10.0
100.0
1000.0
ICNC [L^{-1}]
−1000
−100
−10
−1
1
10
100
1000
Δ ICNC [L^{-1}]
(g)
(h)
90°S
60°S
23°S
0
23°N
60°N
90°N
0.01
0.10
1.00
10.00
IWC [mg m^{-3}]
−10.00
−1.00
−0.10
−0.01
0.01
0.10
1.00
10.00
Δ IWC [mg m^{-3}]