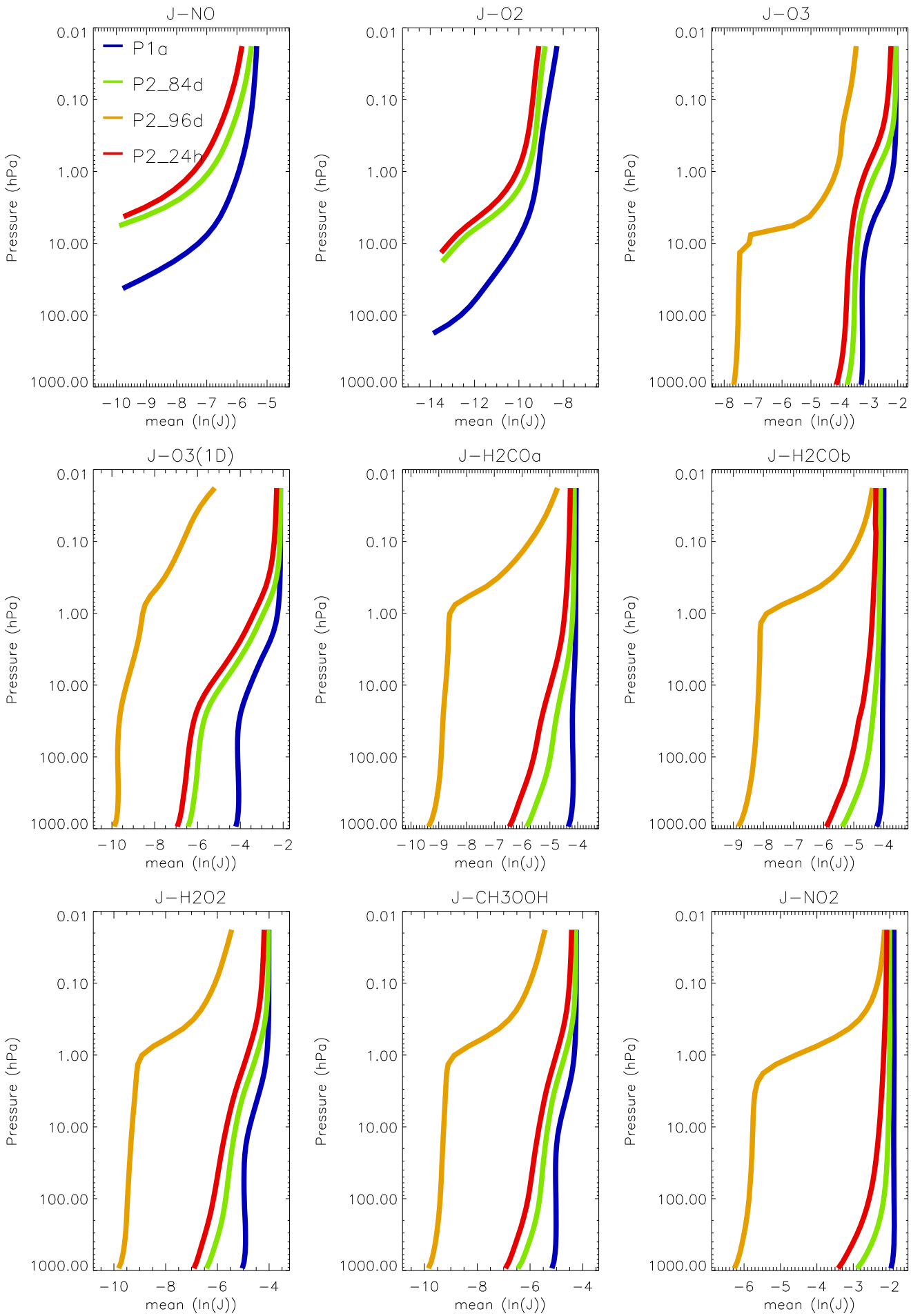
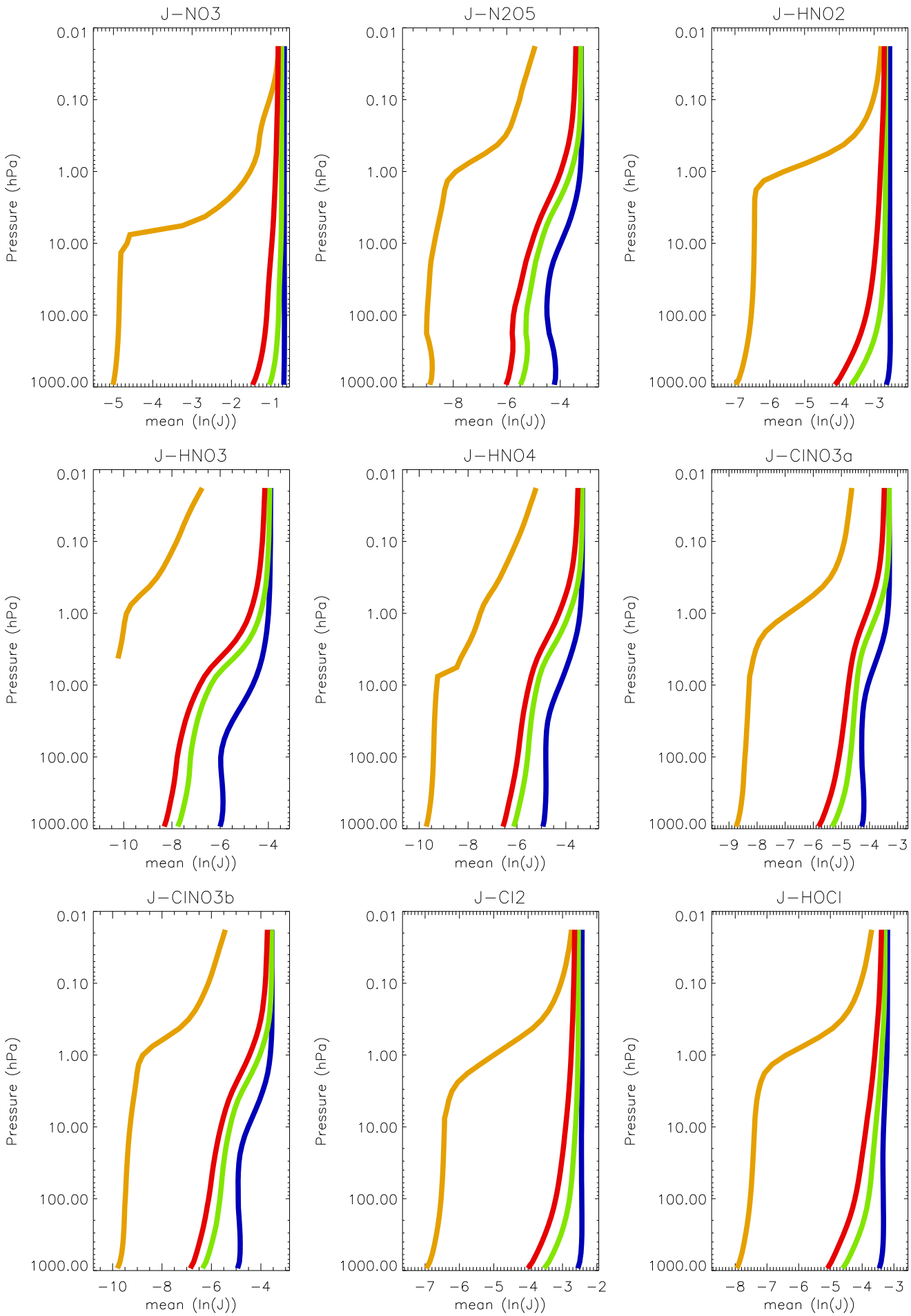
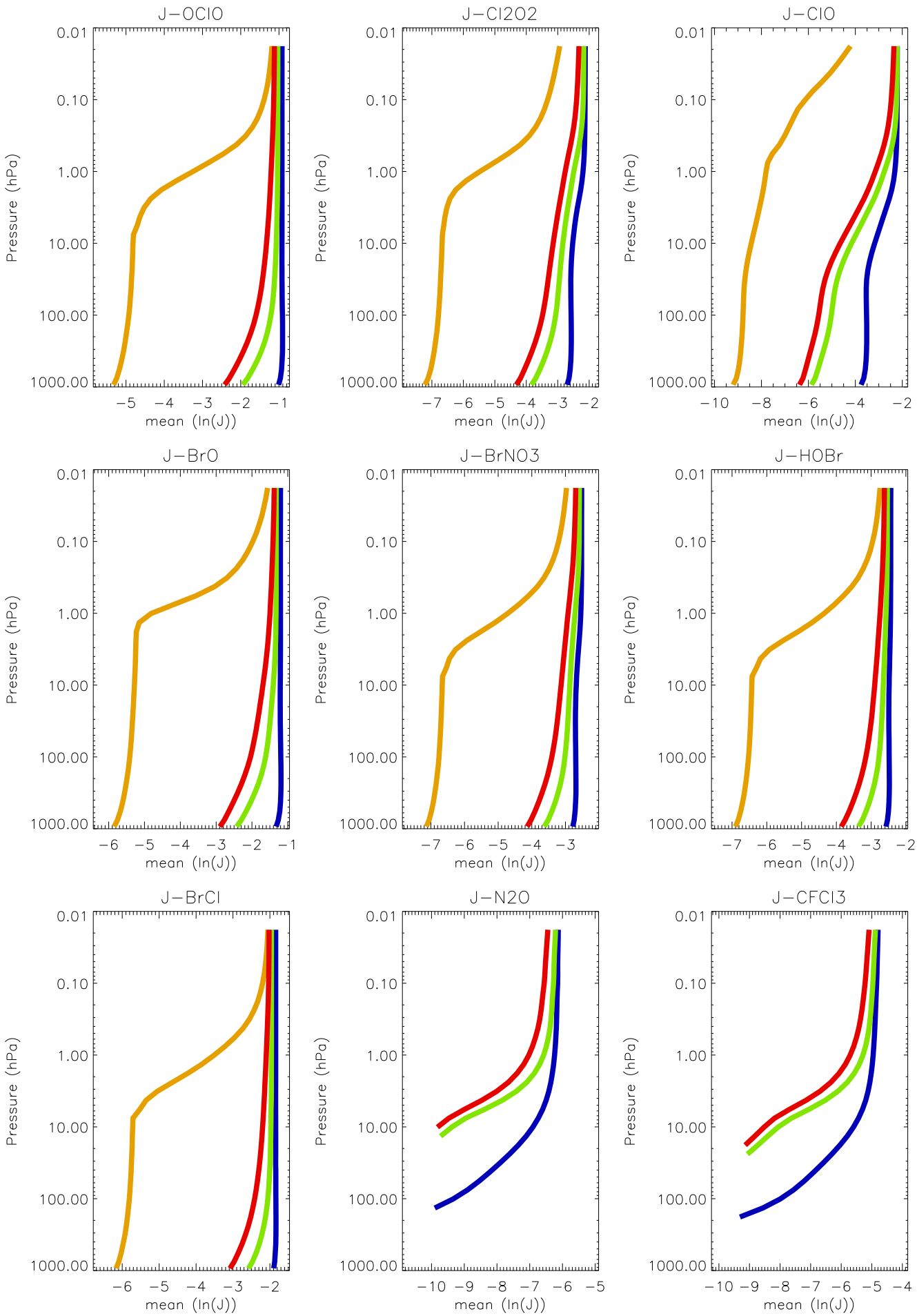
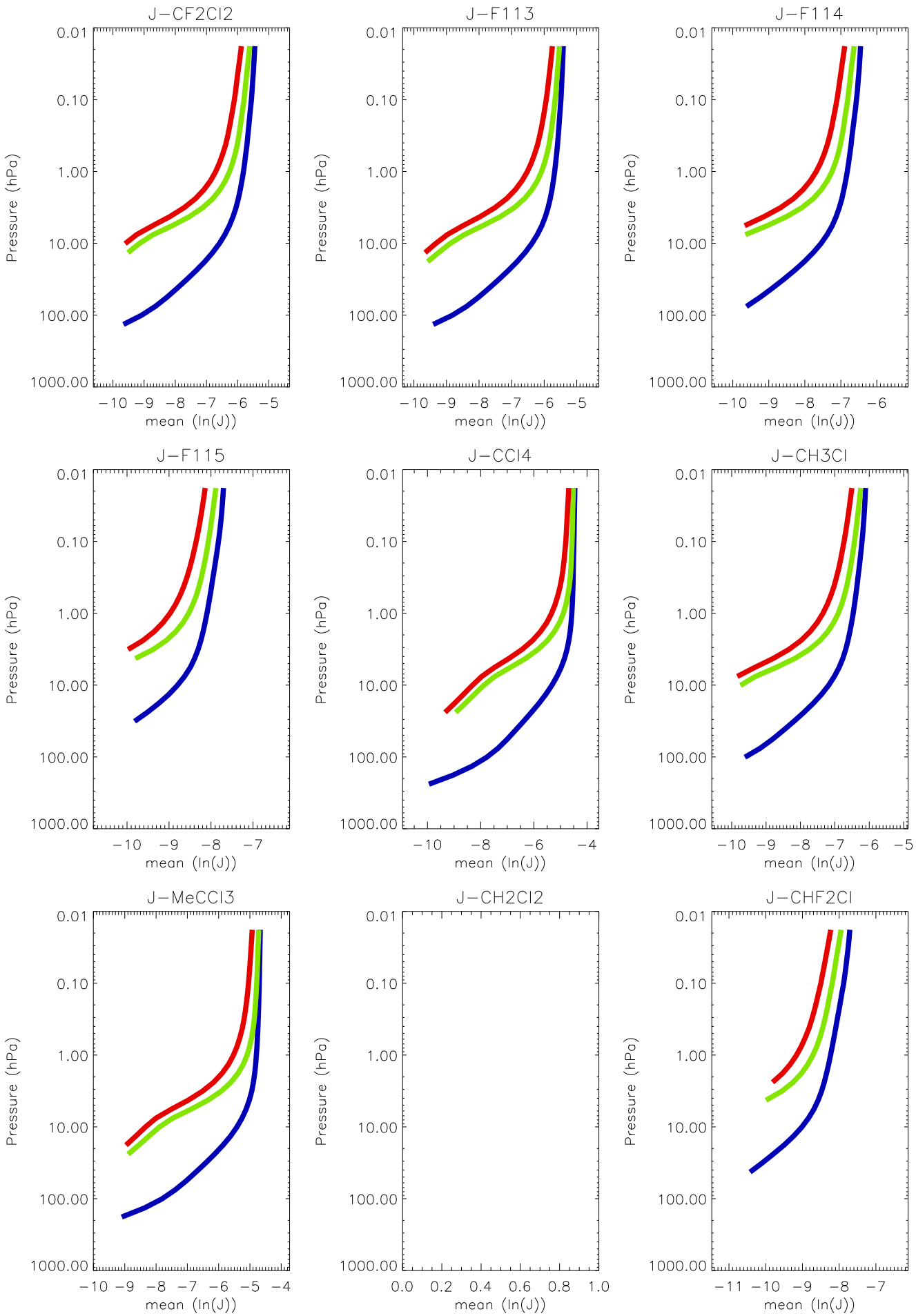
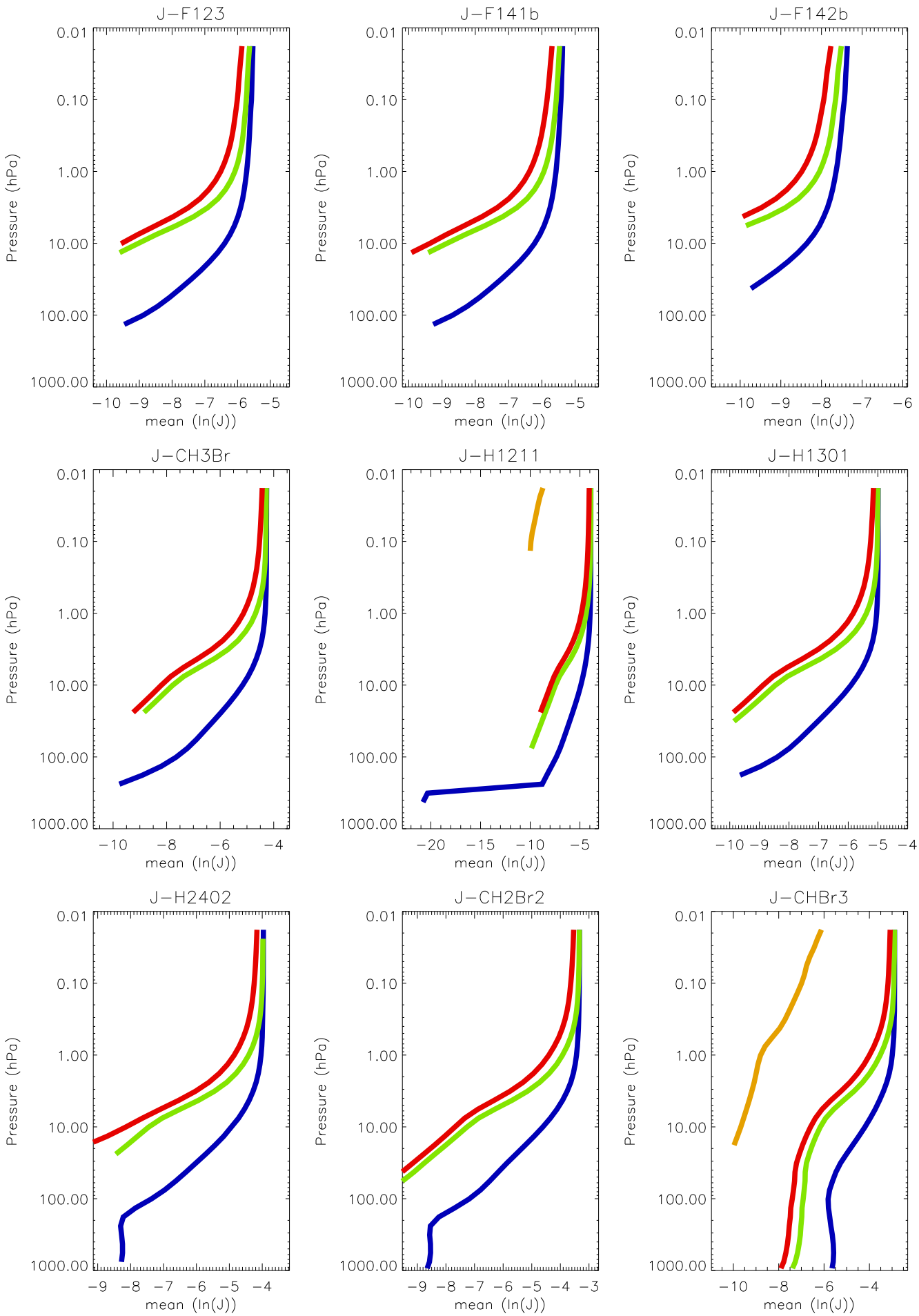
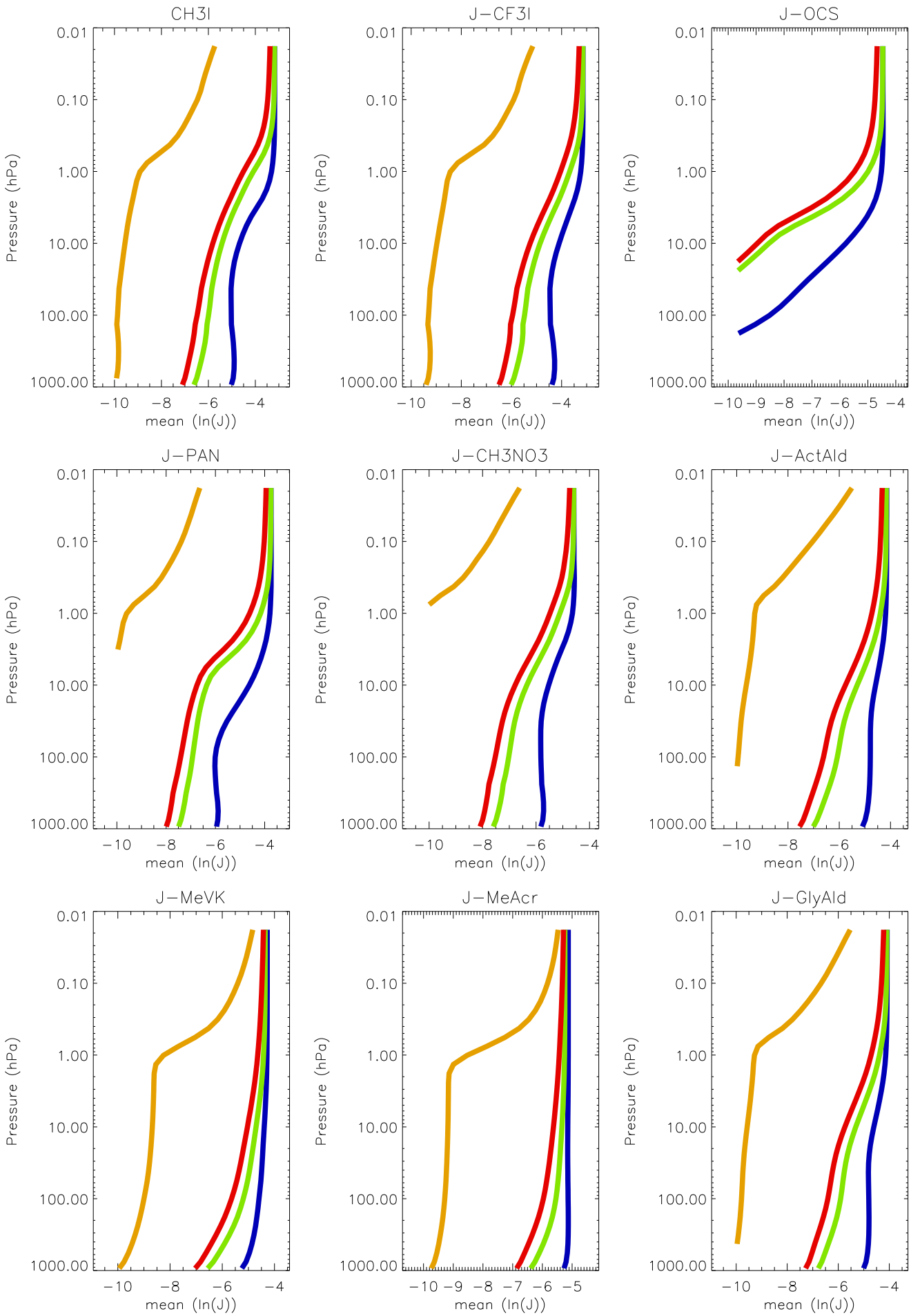

J−NO
J−O2
J−O3
J−O3(1D)
J−H2COa
J−H2COb
J−H2O2
J−CH3OOH
J−NO2
P1a
P2_84d
P2_96d
P2_24h
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−10 −9 −8 −7 −6 −5
−14 −12 −10 −8
−8 −7 −6 −5 −4 −3 −2
−10 −8 −6 −4 −2
−10 −9 −8 −7 −6 −5 −4
−9 −8 −7 −6 −5 −4
−10 −8 −6 −4
−6 −5 −4 −3 −2

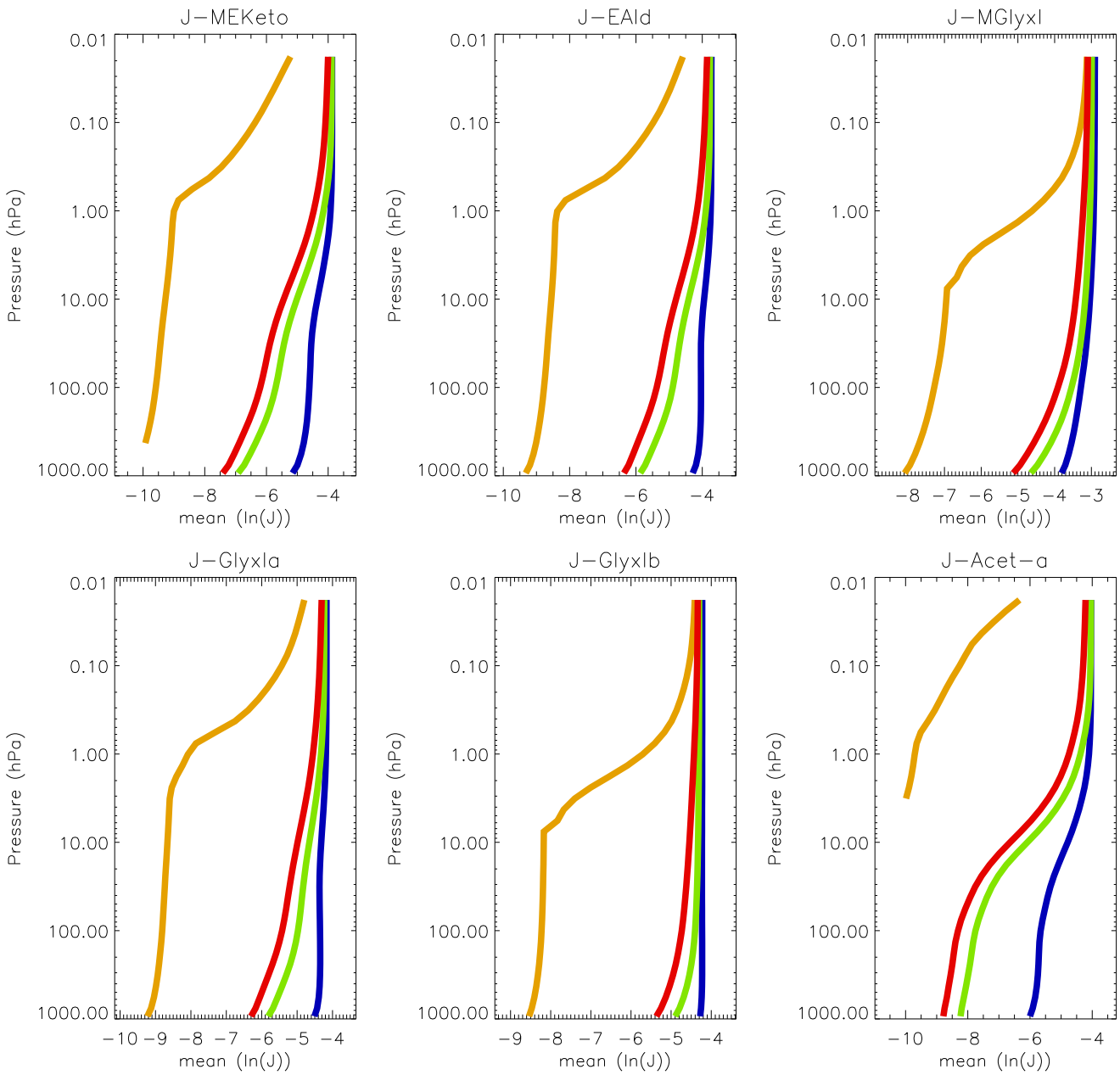

J−NO3
J−N2O5
J−HNO2
J−HNO3
J−HNO4
J−ClNO3a
J−ClNO3b
J−Cl2
J−HOCl
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−5 −4 −3 −2 −1
−8 −6 −4
−7 −6 −5 −4 −3
−10 −8 −6 −4
−9 −8 −7 −6 −5 −4 −3
−7 −6 −5 −4 −3 −2
−8 −7 −6 −5 −4 −3


J−OClO
J−Cl2O2
J−ClO
J−BrO
J−BrNO3
J−HOBr
J−BrCl
J−N2O
J−CFCl3
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))


J−CF2Cl2
J−F113
J−F114
J−F115
J−CCl4
J−CH3Cl
J−MeCCl3
J−CH2Cl2
J−CHF2Cl
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−10 −9 −8 −7 −6 −5
−10 −9 −8 −7 −6
−10 −9 −8 −7
−10 −8 −6 −4
−10 −9 −8 −7 −6 −5
−10 −9 −8 −7 −6 −5 −4
0.0 0.2 0.4 0.6 0.8 1.0
−11 −10 −9 −8 −7


J−F123
J−F141b
J−F142b
J−CH3Br
J−H1211
J−H1301
J−H2402
J−CH2Br2
J−CHBr3
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−10 −9 −8 −7 −6 −5
−10 −9 −8 −7 −6
−10 −8 −6 −4
−20 −15 −10 −5
−10 −9 −8 −7 −6 −5 −4
−9 −8 −7 −6 −5 −4
−9 −8 −7 −6 −5 −4 −3
−10 −8 −6 −4


CH3I
J−CF3I
J−OCS
J−PAN
J−CH3NO3
J−ActAld
J−MeVK
J−MeAcr
J−GlyAld
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−10 −9 −8 −7 −6 −5 −4


J−MEKeto
J−EAld
J−MGlyxl
J−Glyxla
J−Glyxlb
J−Acet−a
Pressure (hPa)
0.01
0.10
1.00
10.00
100.00
1000.00
mean (ln(J))
−10 −8 −6 −4
−8 −7 −6 −5 −4 −3
−10 −9 −8 −7 −6 −5 −4
−9 −8 −7 −6 −5 −4