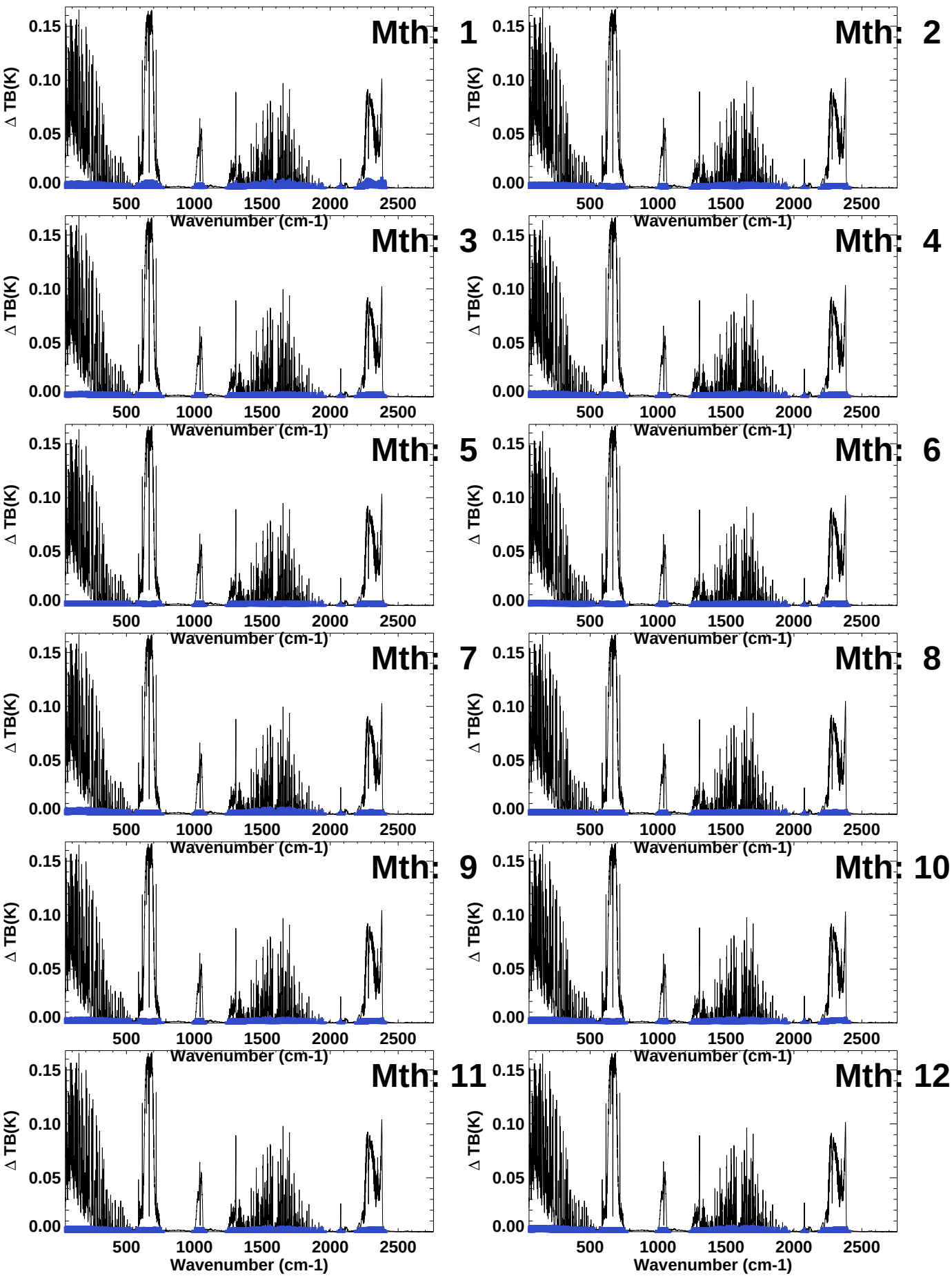
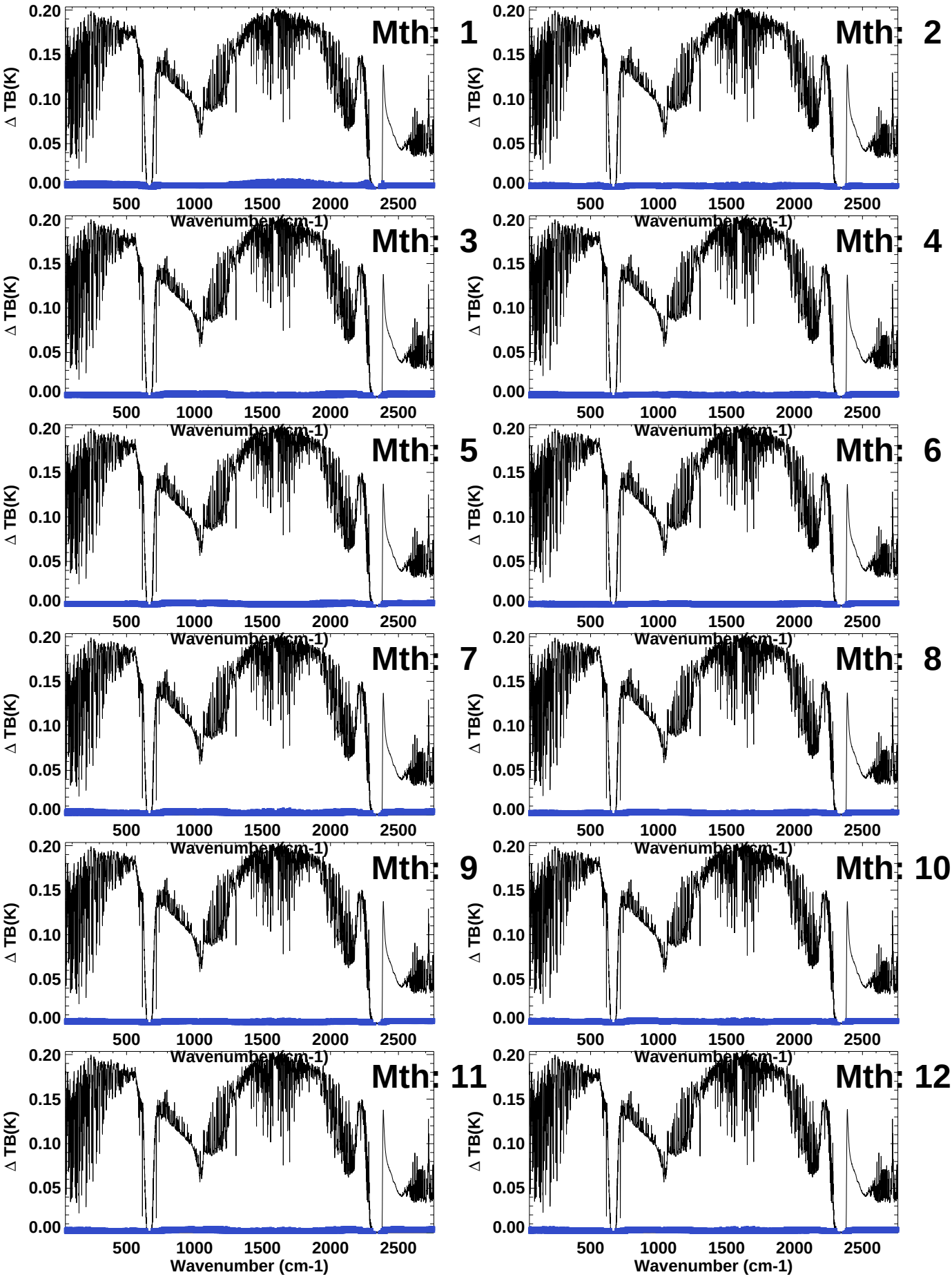
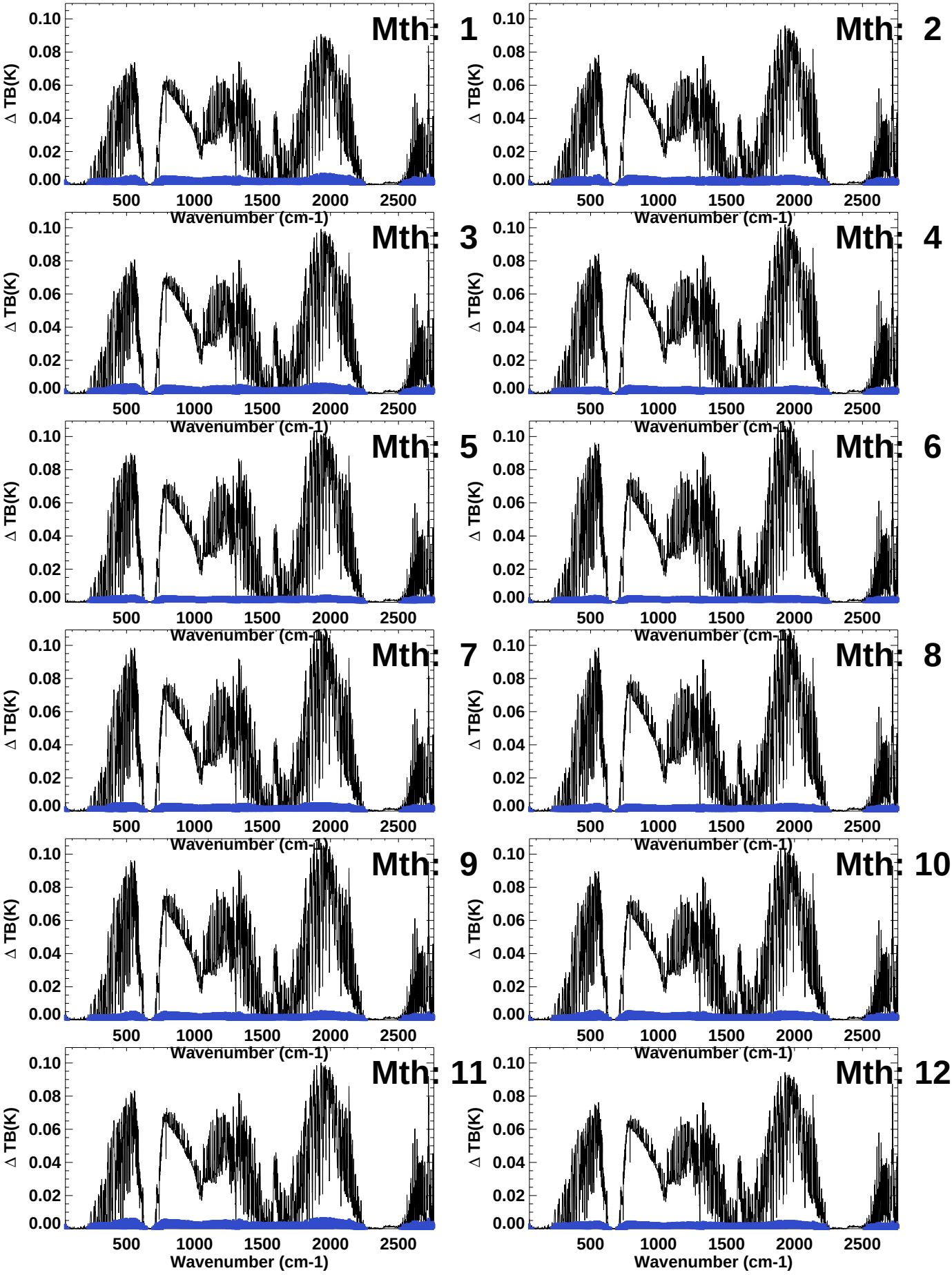
2003 Annual Mean and Monthly StdDev for perturbation of Strat Temperature 200-10mb :Pert(-0.2K)

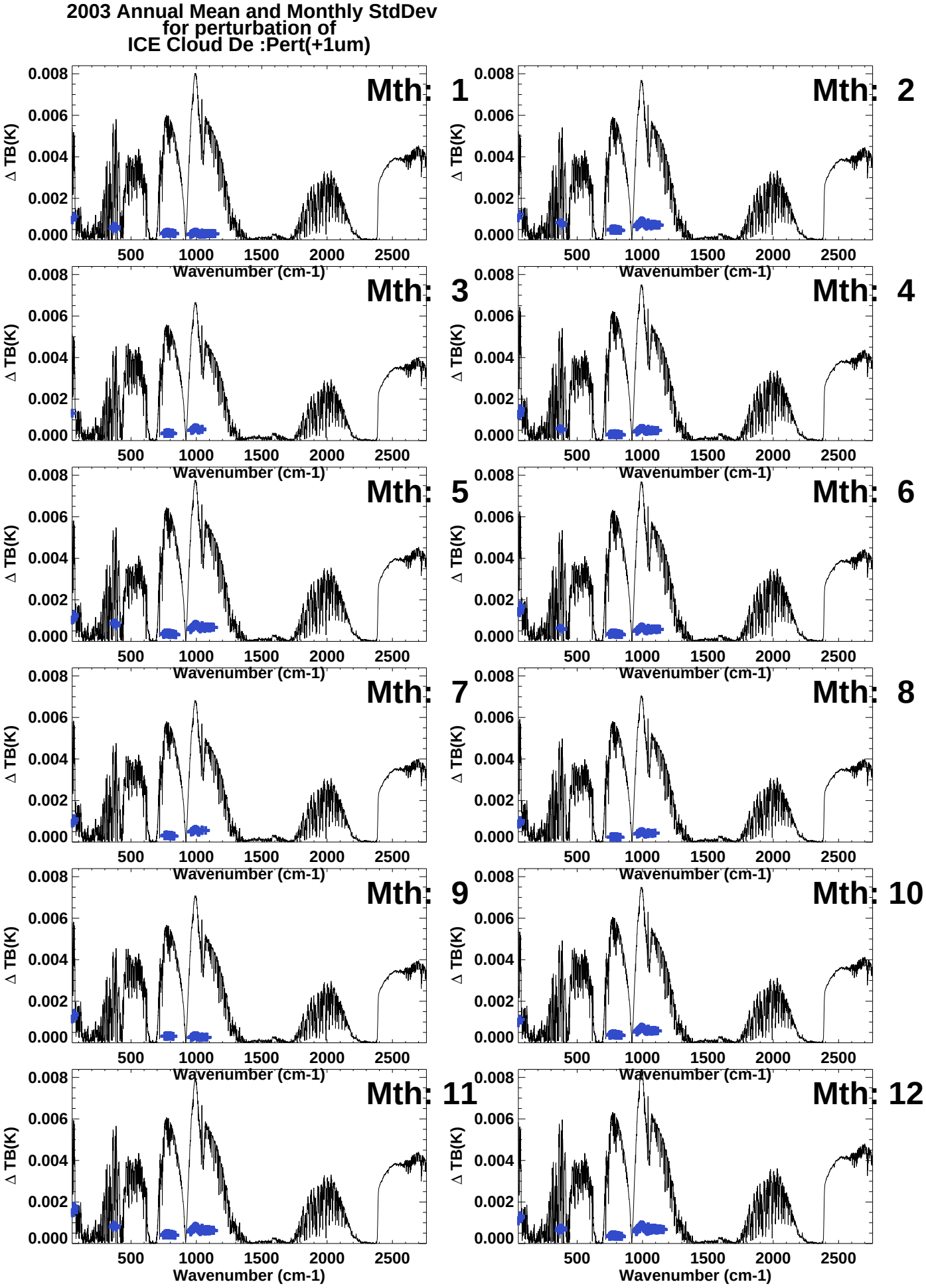


2003 Annual Mean and Monthly StdDev for perturbation of Trop Temperature Sfc-200 :Pert(+0.2K)

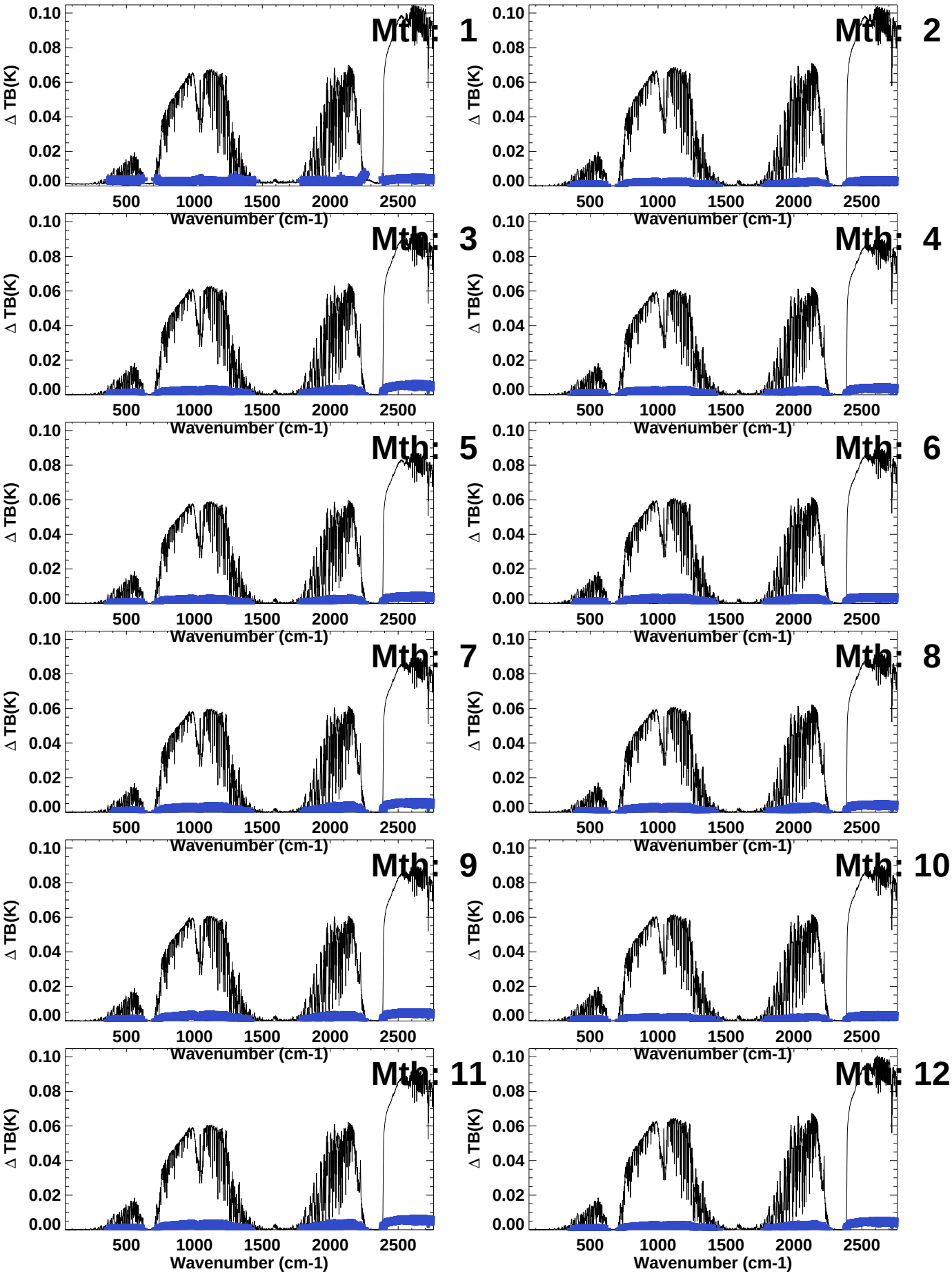


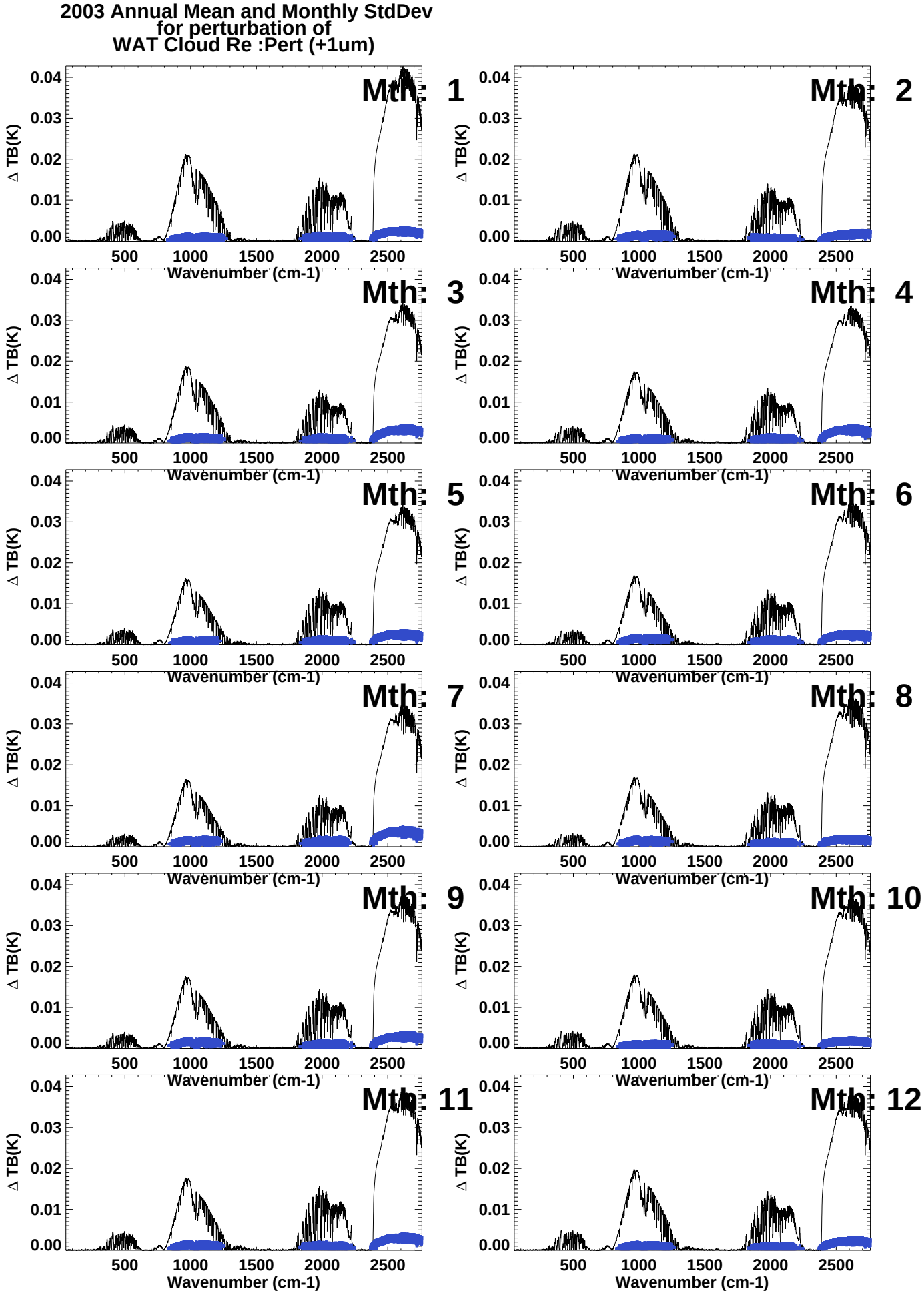
2003 Annual Mean and Monthly StdDev for perturbation of Lower Trop PW Sfc-500 :Pert(+0.025)



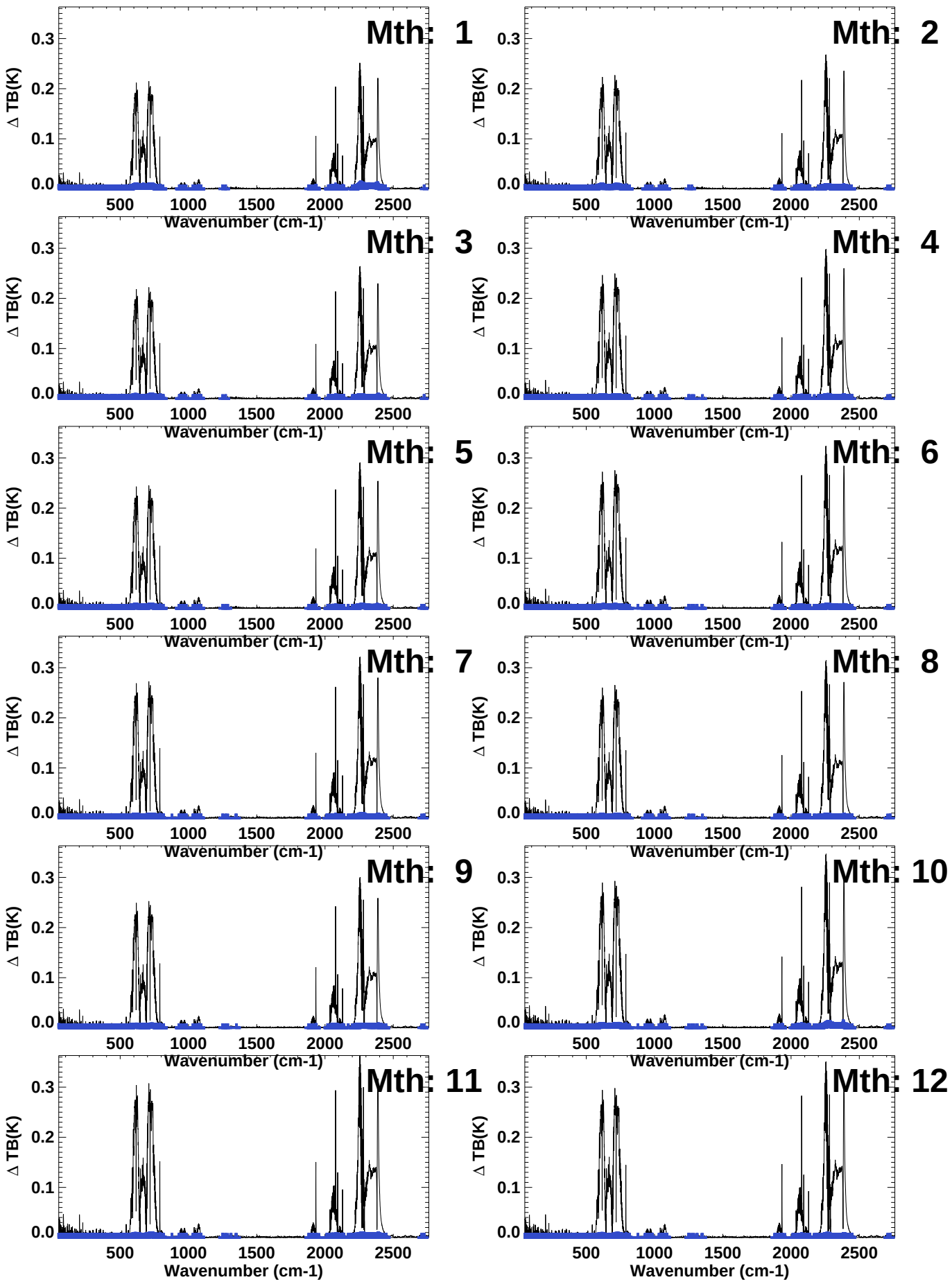

2003 Annual Mean and Monthly StdDev
for perturbation of
ICE Cloud De :Pert(+1um)
Mth: 1
Mth: 2
Mth: 3
Mth: 4
Mth: 5
Mth: 6
Mth: 7
Mth: 8
Mth: 9
Mth: 10
Mth: 11
Mth: 12
Δ TB(K)
0.008
0.006
0.004
0.002
0.000
500
1000
1500
2000
2500
Wavenumber (cm-1)

2003 Annual Mean and Monthly StdDev for perturbation of WAT cloud Tau:Pert (1.10)

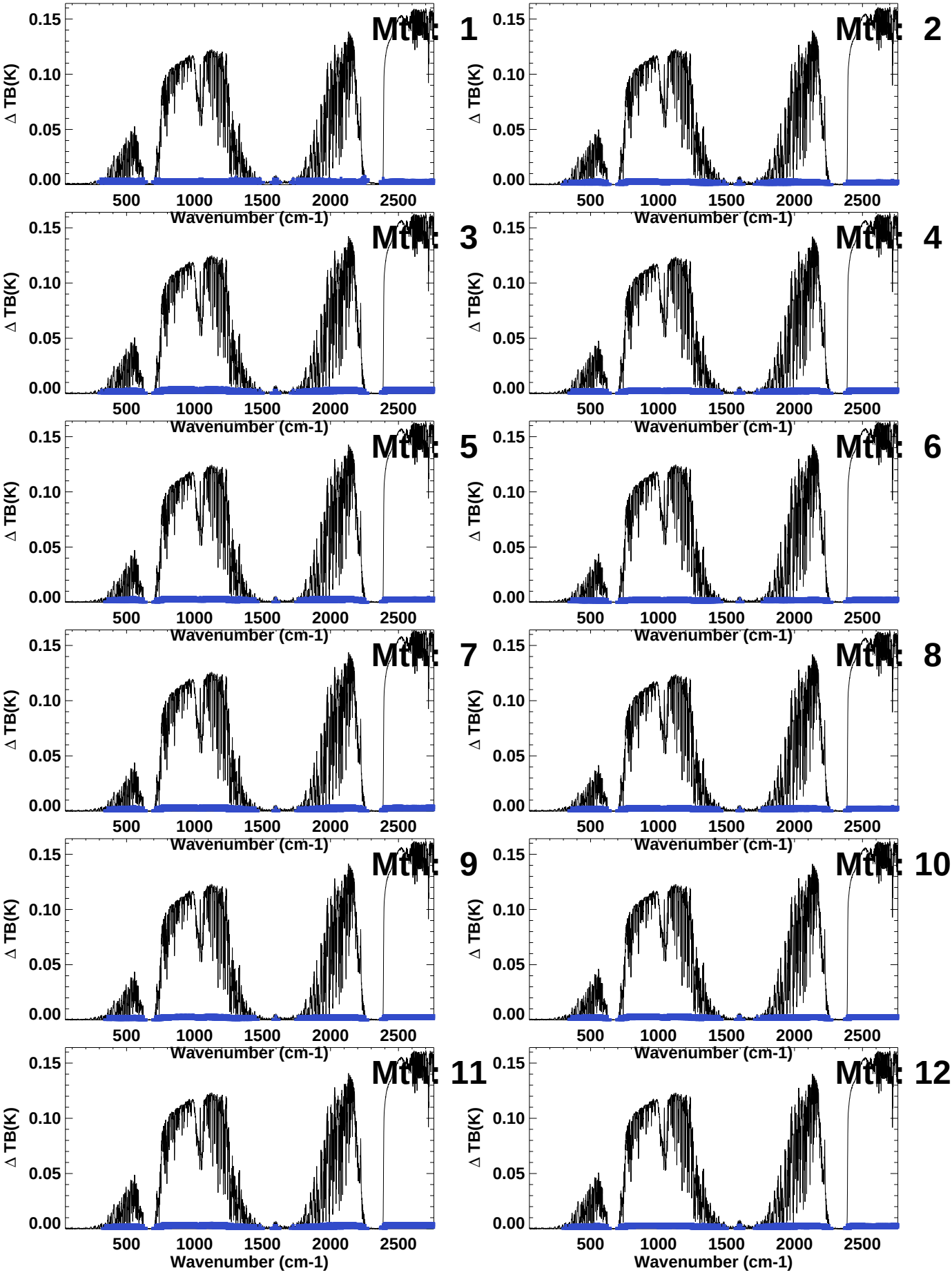



2003 Annual Mean and Monthly StdDev
for perturbation of
WAT Cloud Re :Pert (+1um)
Mth: 1
Mth: 2
Mth: 3
Mth: 4
Mth: 5
Mth: 6
Mth: 7
Mth: 8
Mth: 9
Mth: 10
Mth: 11
Mth: 12
Δ TB(K)
0.00
0.01
0.02
0.03
0.04
500
1000
1500
2000
2500
Wavenumber (cm-1)

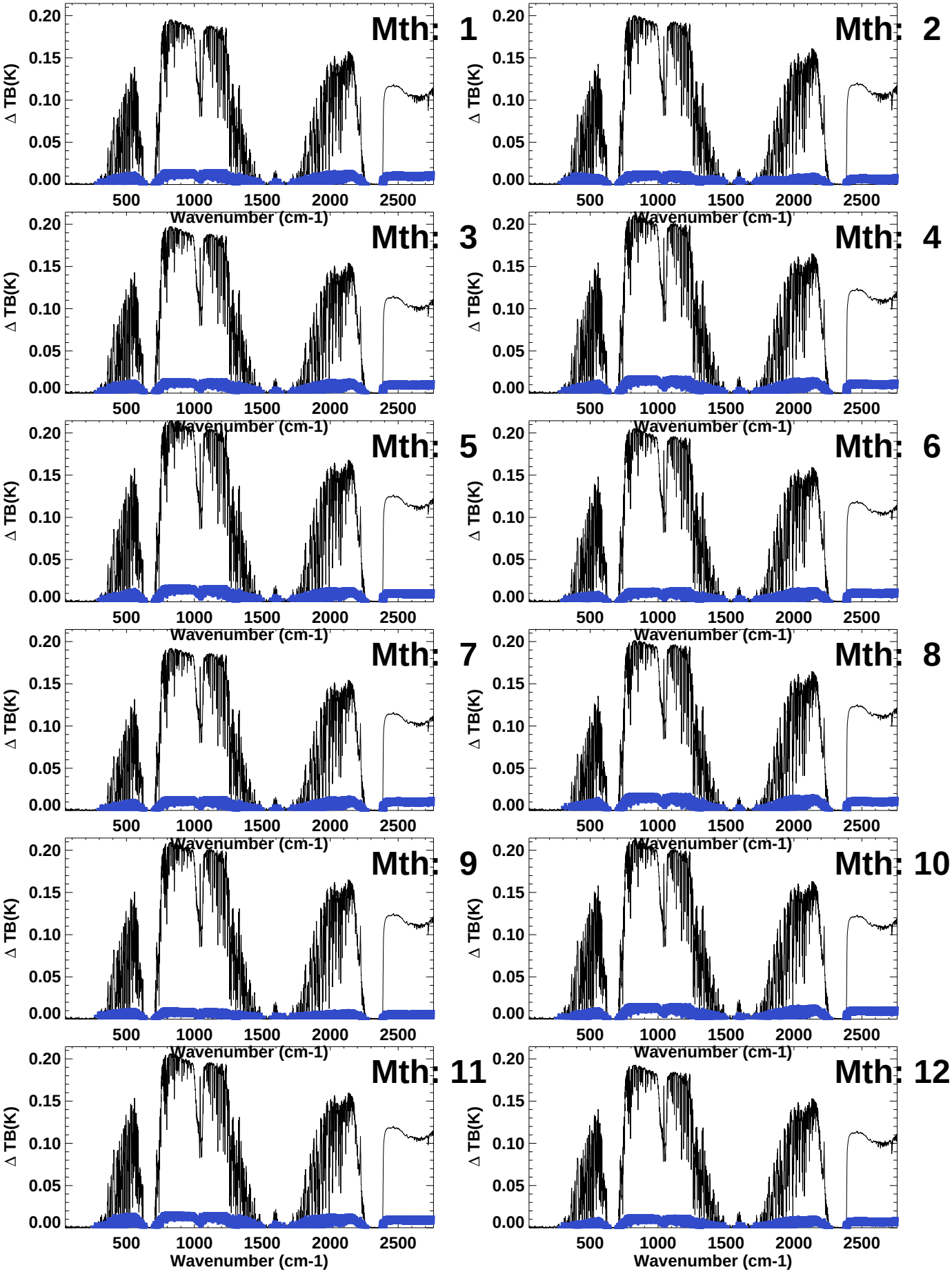
2003 Annual Mean and Monthly StdDev for perturbation of CO2 vary



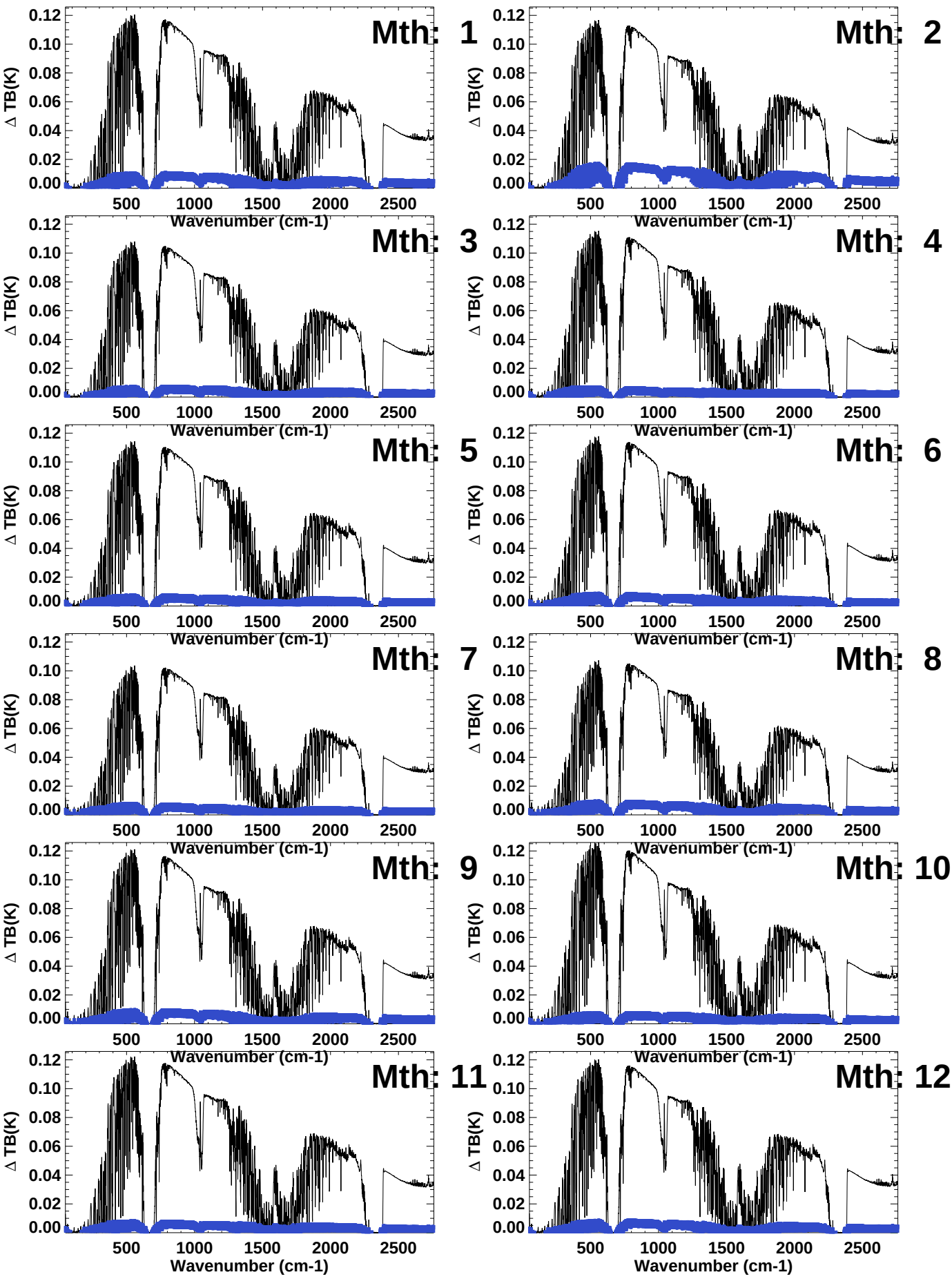
2003 Annual Mean and Monthly StdDev for perturbation of Skin & Sfc. Air Plus 0.20K[P21]



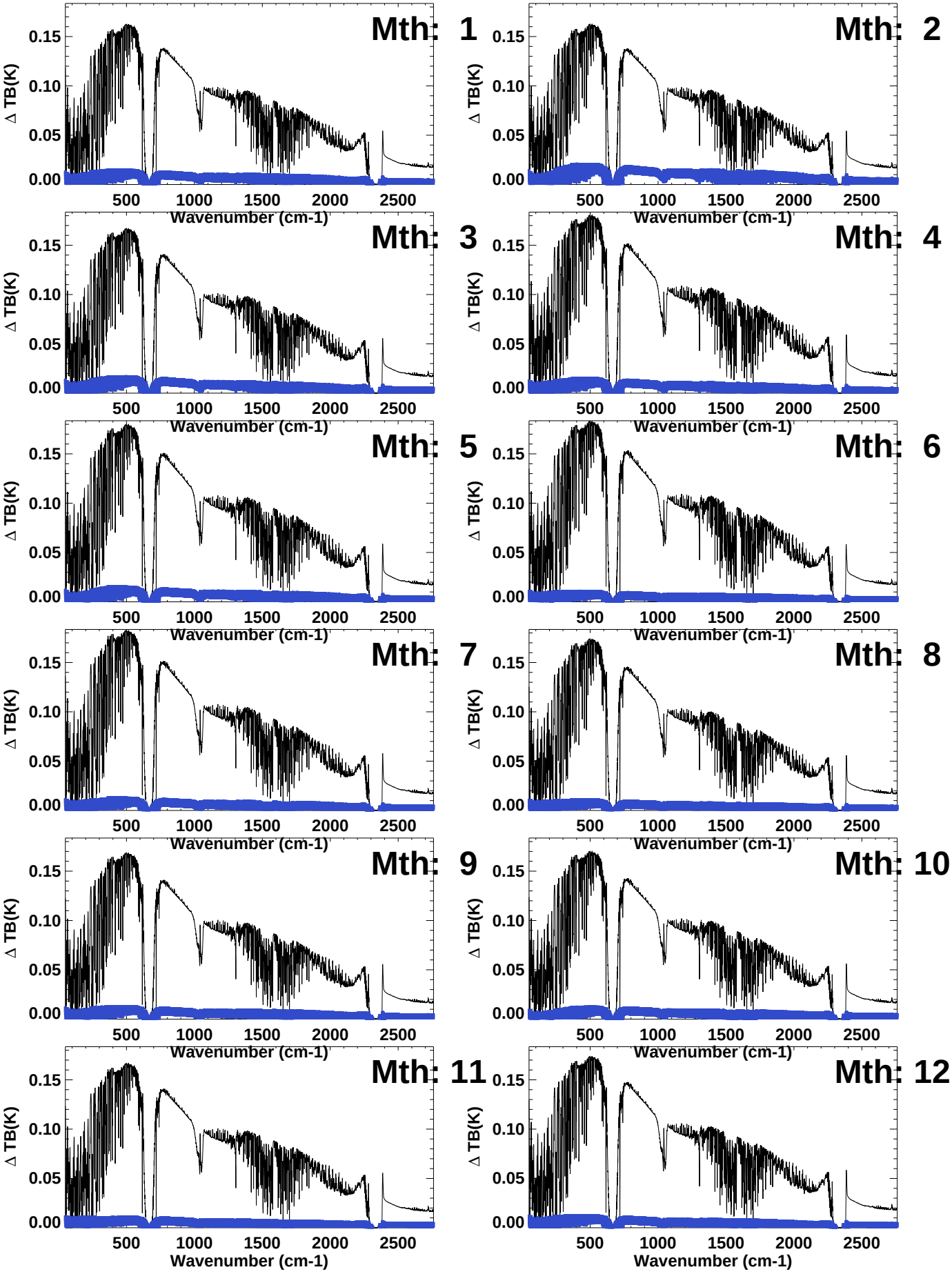
2003 Annual Mean and Monthly StdDev for perturbation of Low Cloud Height Plus 250m[P23]

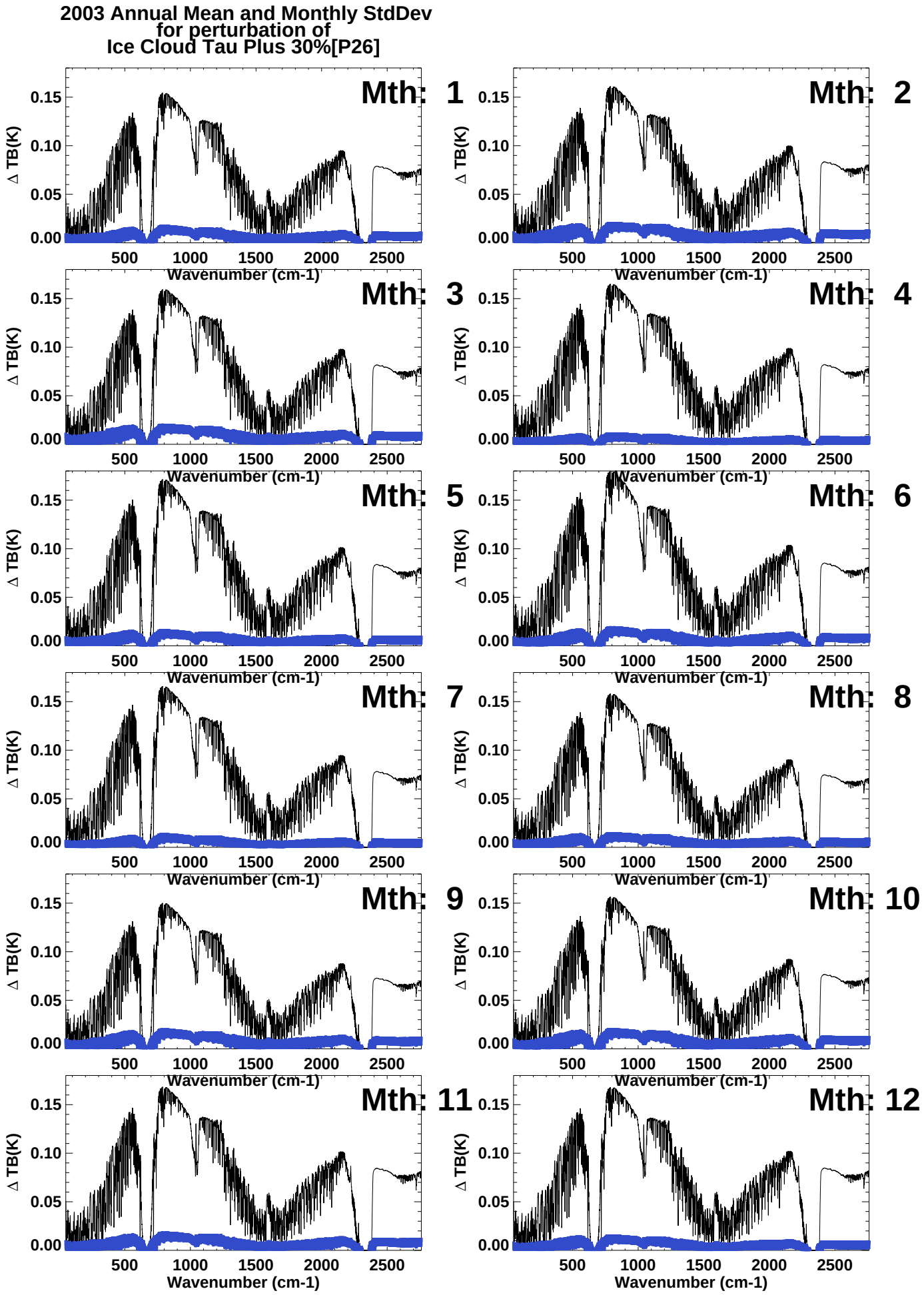


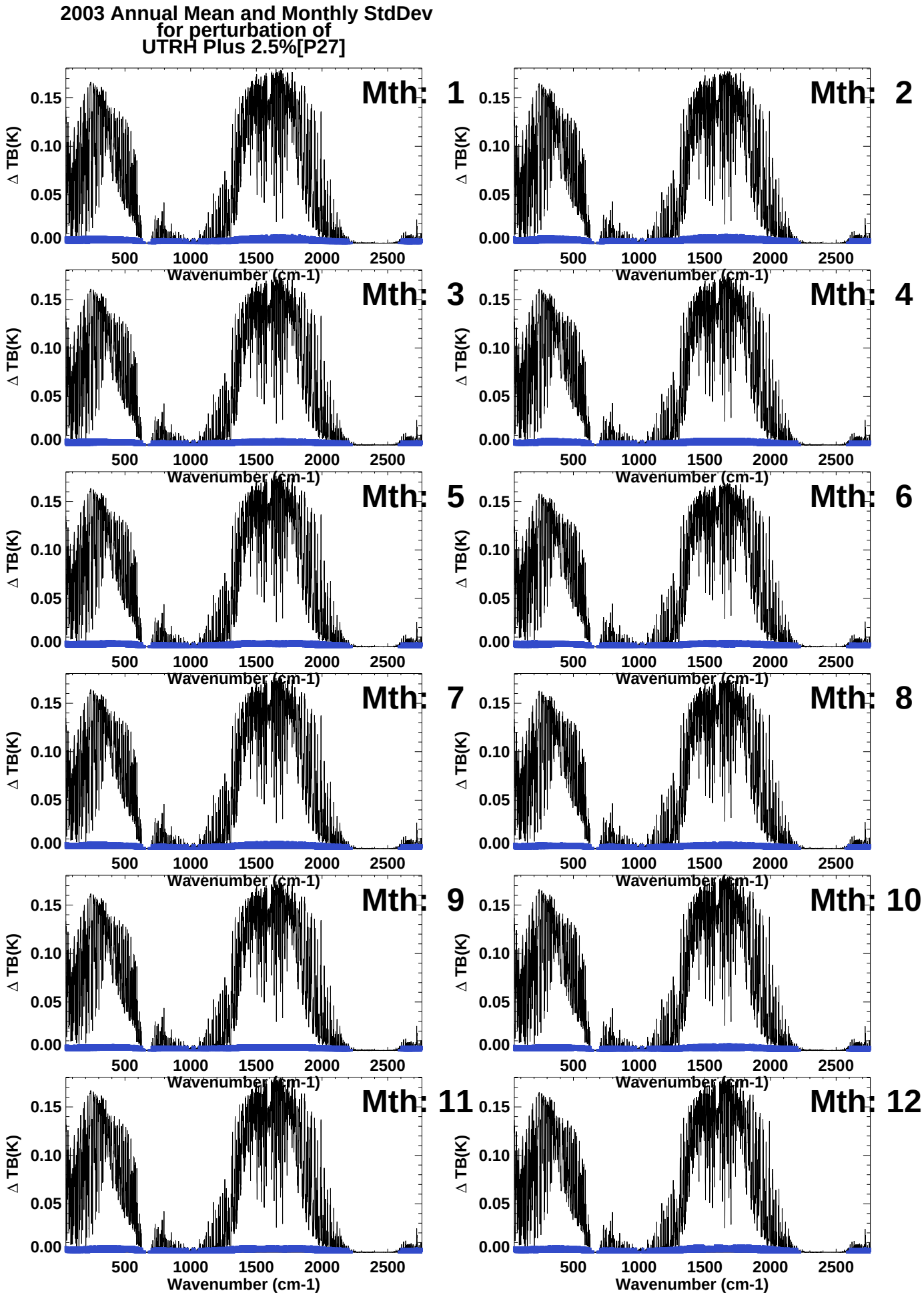
2003 Annual Mean and Monthly StdDev for perturbation of Mid Cloud Height Plus 250m[P24]



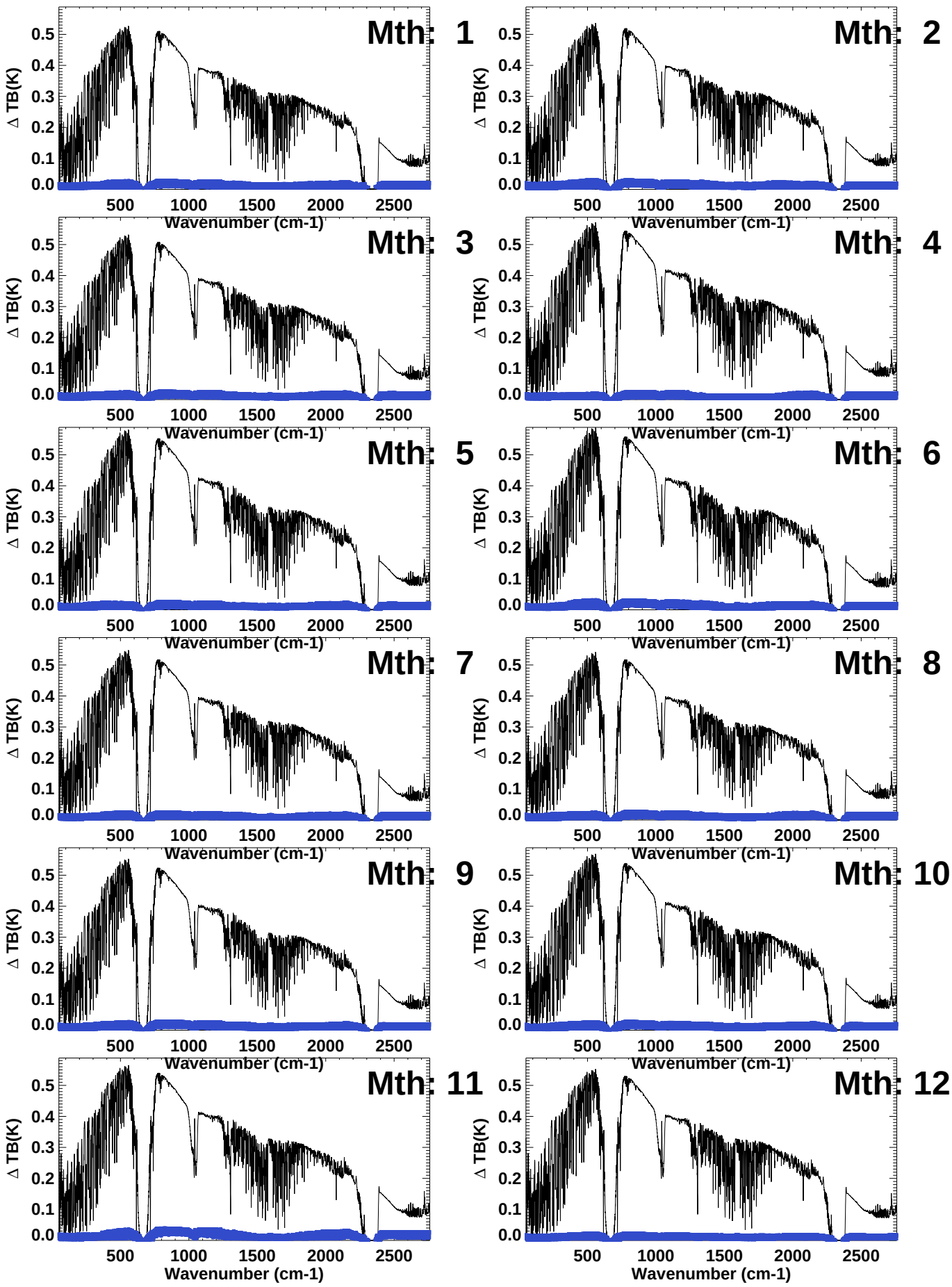
2003 Annual Mean and Monthly StdDev
for perturbation of
Hi Cloud Height Plus 200m[P25]



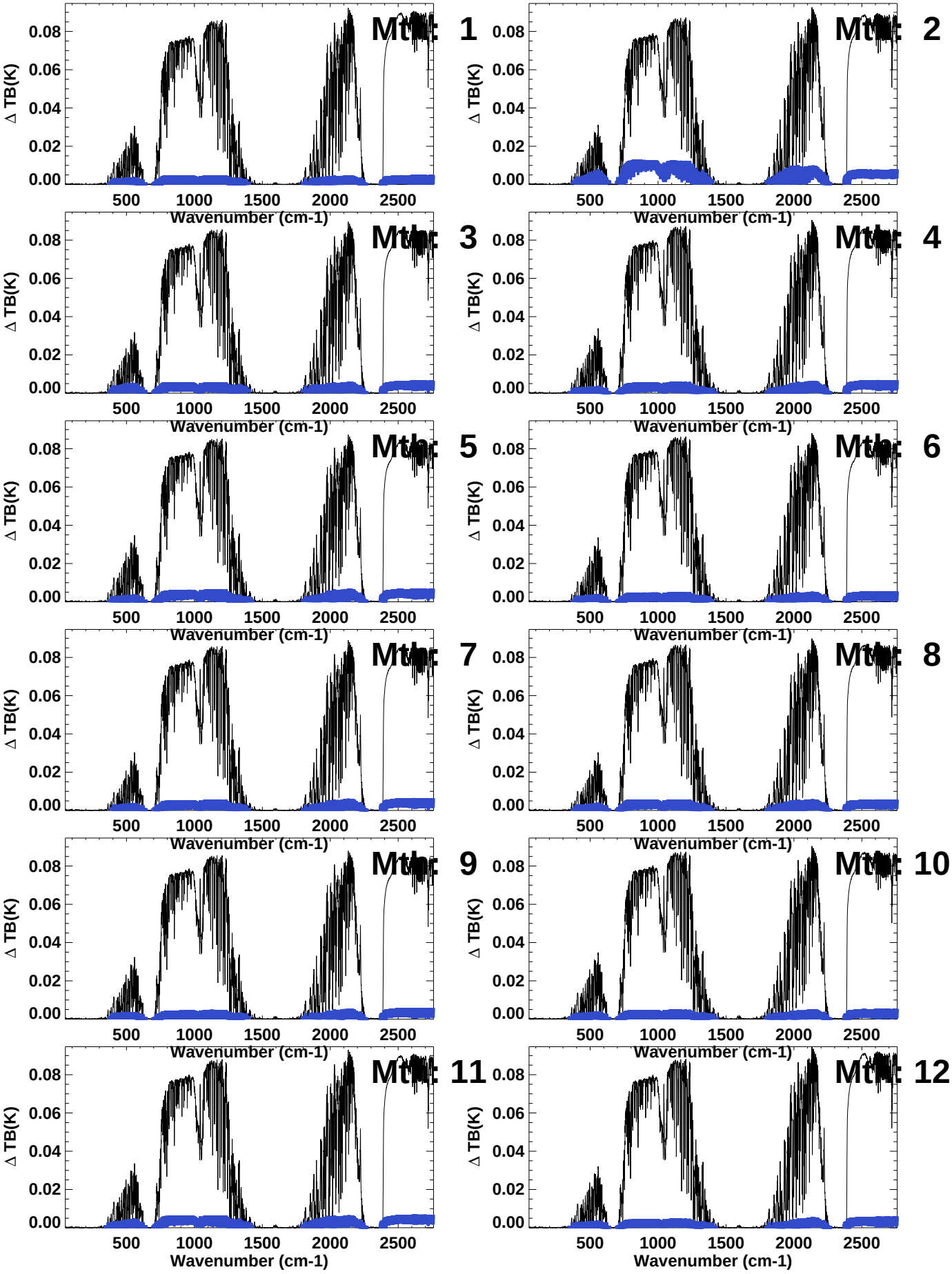

2003 Annual Mean and Monthly StdDev
for perturbation of
Ice Cloud Tau Plus 30%[P26]
Mth: 1
Mth: 2
Mth: 3
Mth: 4
Mth: 5
Mth: 6
Mth: 7
Mth: 8
Mth: 9
Mth: 10
Mth: 11
Mth: 12
Δ TB(K)
0.00
0.05
0.10
0.15
500
1000
1500
2000
2500
Wavenumber (cm-1)

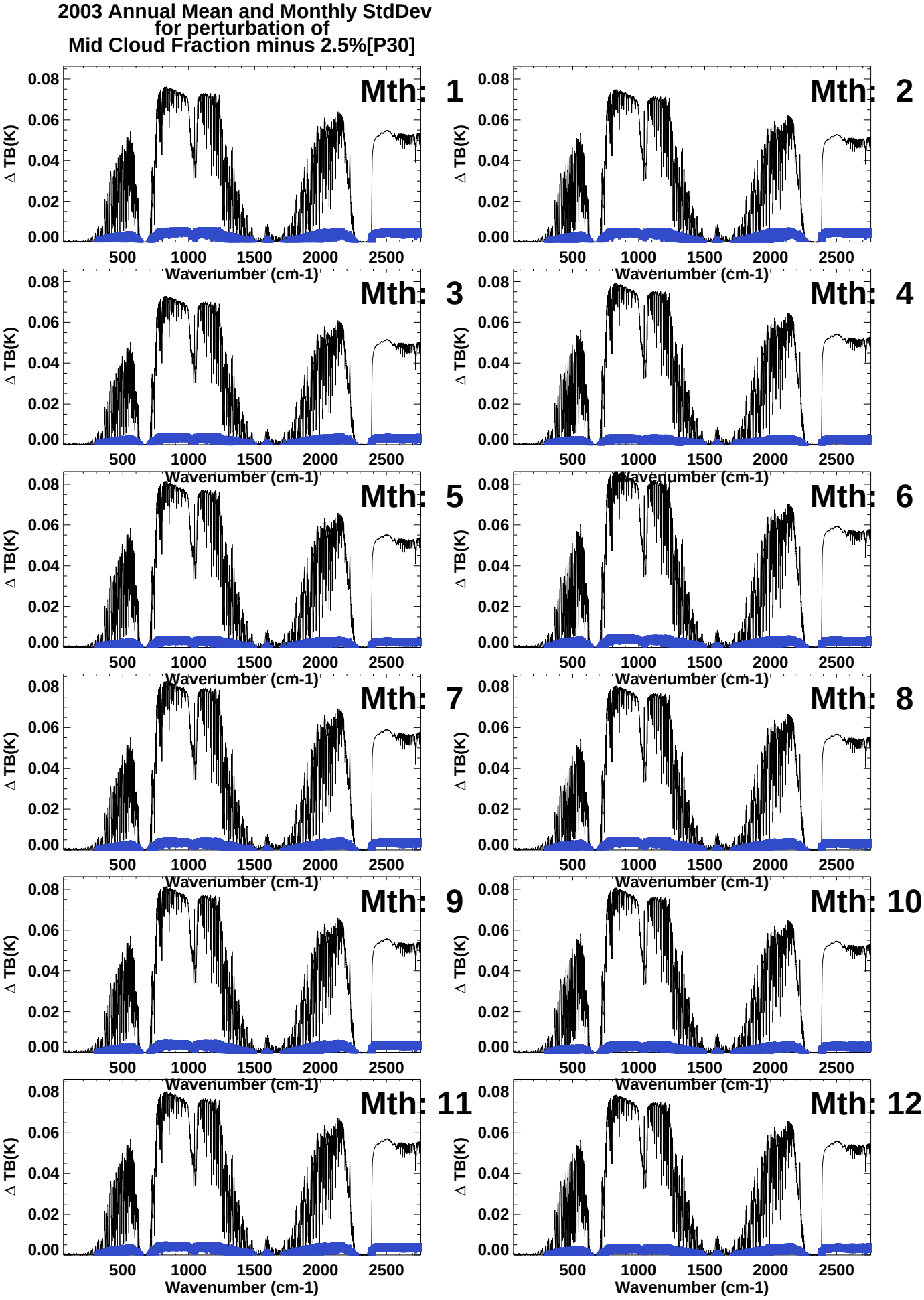

2003 Annual Mean and Monthly StdDev
for perturbation of
UTRH Plus 2.5%[P27]
Mth: 1
Mth: 2
Mth: 3
Mth: 4
Mth: 5
Mth: 6
Mth: 7
Mth: 8
Mth: 9
Mth: 10
Mth: 11
Mth: 12
Δ TB(K)
0.00
0.05
0.10
0.15
500
1000
1500
2000
2500
Wavenumber (cm-1)

2003 Annual Mean and Monthly StdDev for perturbation of All Pert Combined EXCEPT CldFrac.[P28]

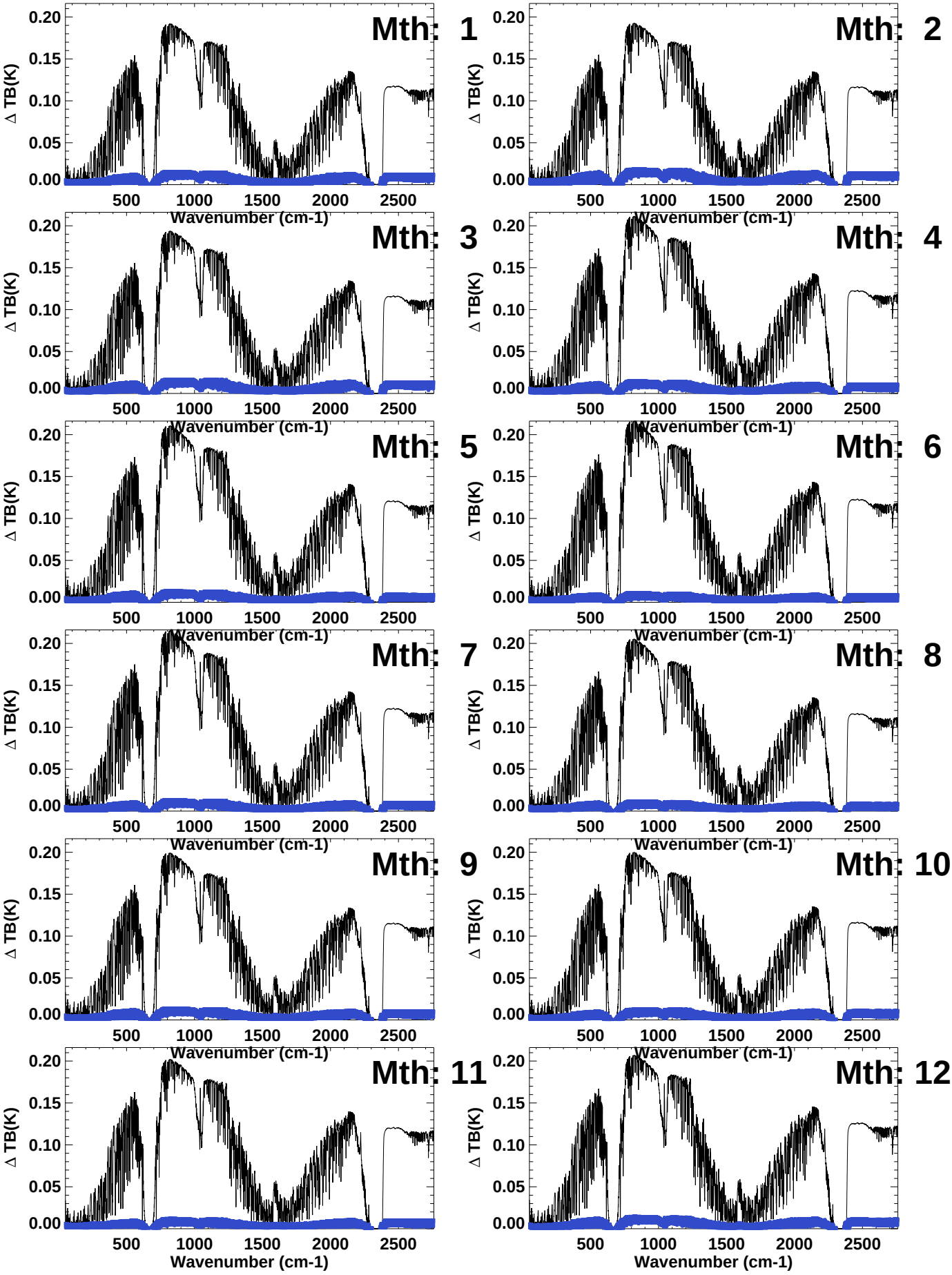
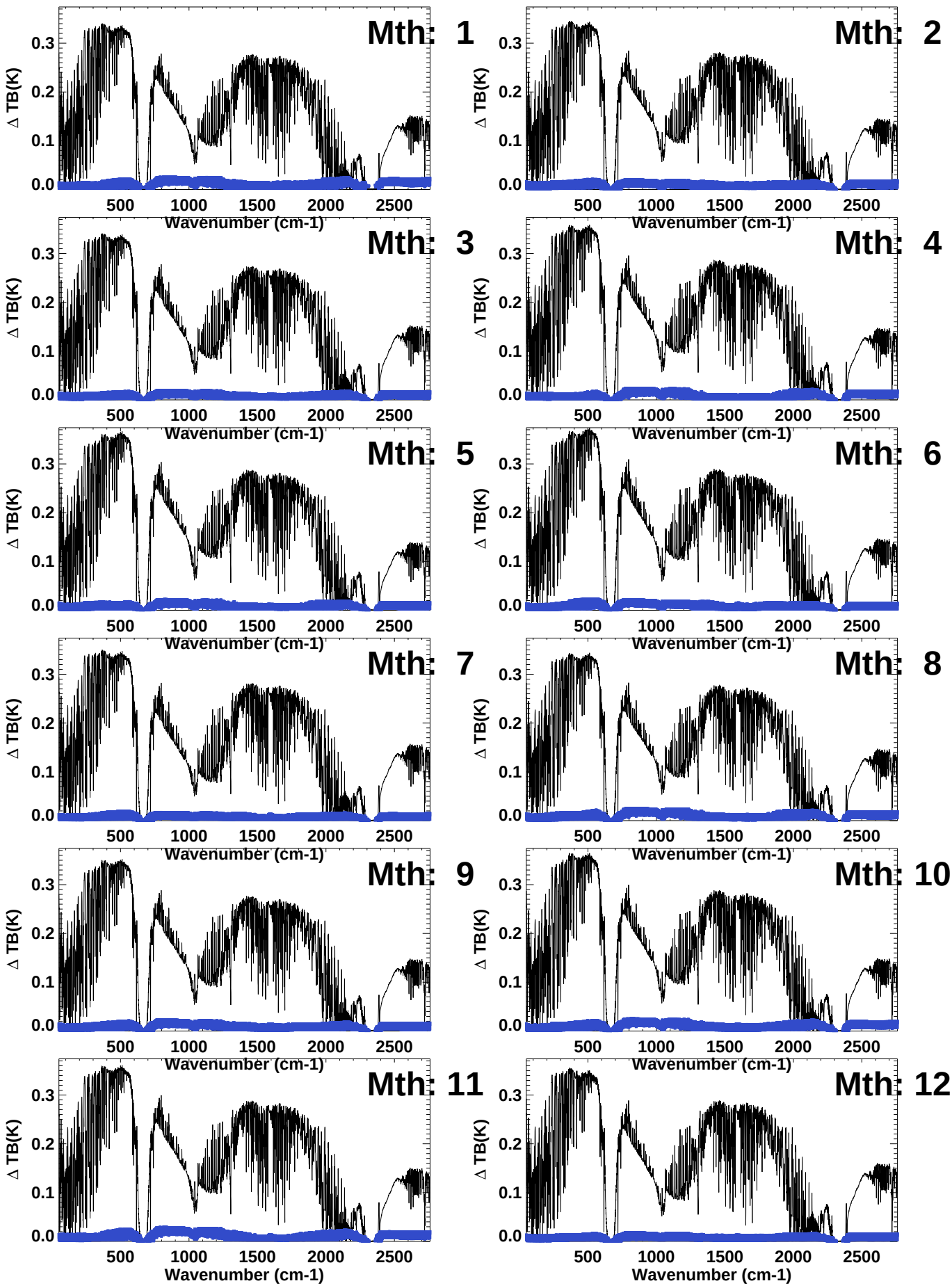


2003 Annual Mean and Monthly StdDev for perturbation of Low Cloud Fraction minus 2.5%[P29]




2003 Annual Mean and Monthly StdDev
for perturbation of
Mid Cloud Fraction minus 2.5%[P30]
Mth: 1
Mth: 2
Mth: 3
Mth: 4
Mth: 5
Mth: 6
Mth: 7
Mth: 8
Mth: 9
Mth: 10
Mth: 11
Mth: 12
Δ TB(K)
0.00
0.02
0.04
0.06
0.08
500
1000
1500
2000
2500
Wavenumber (cm-1)

2003 Annual Mean and Monthly StdDev for perturbation of Hi Cloud Fraction minus 2.5%[P31]



2003 Annual Mean and Monthly StdDev for perturbation of All Pert Combined[P32]