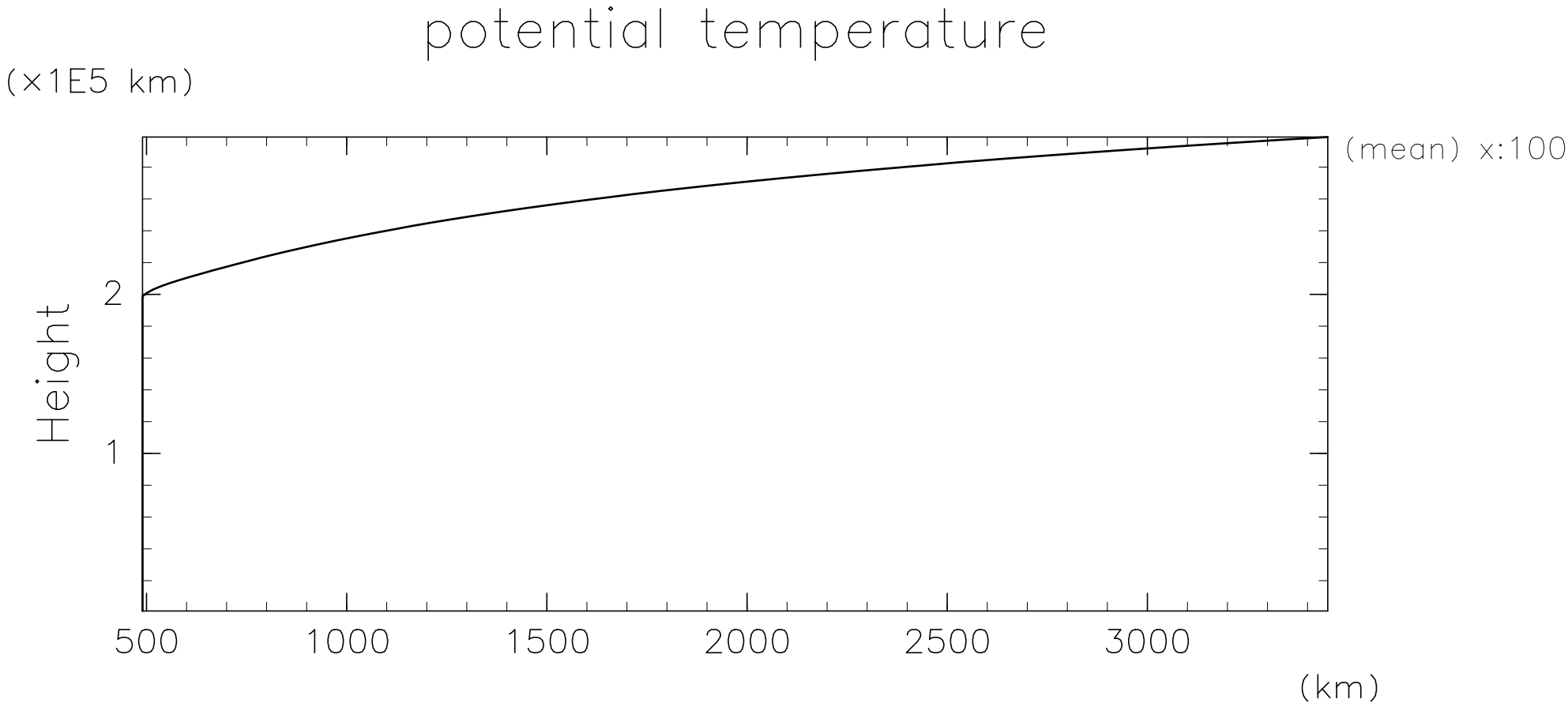
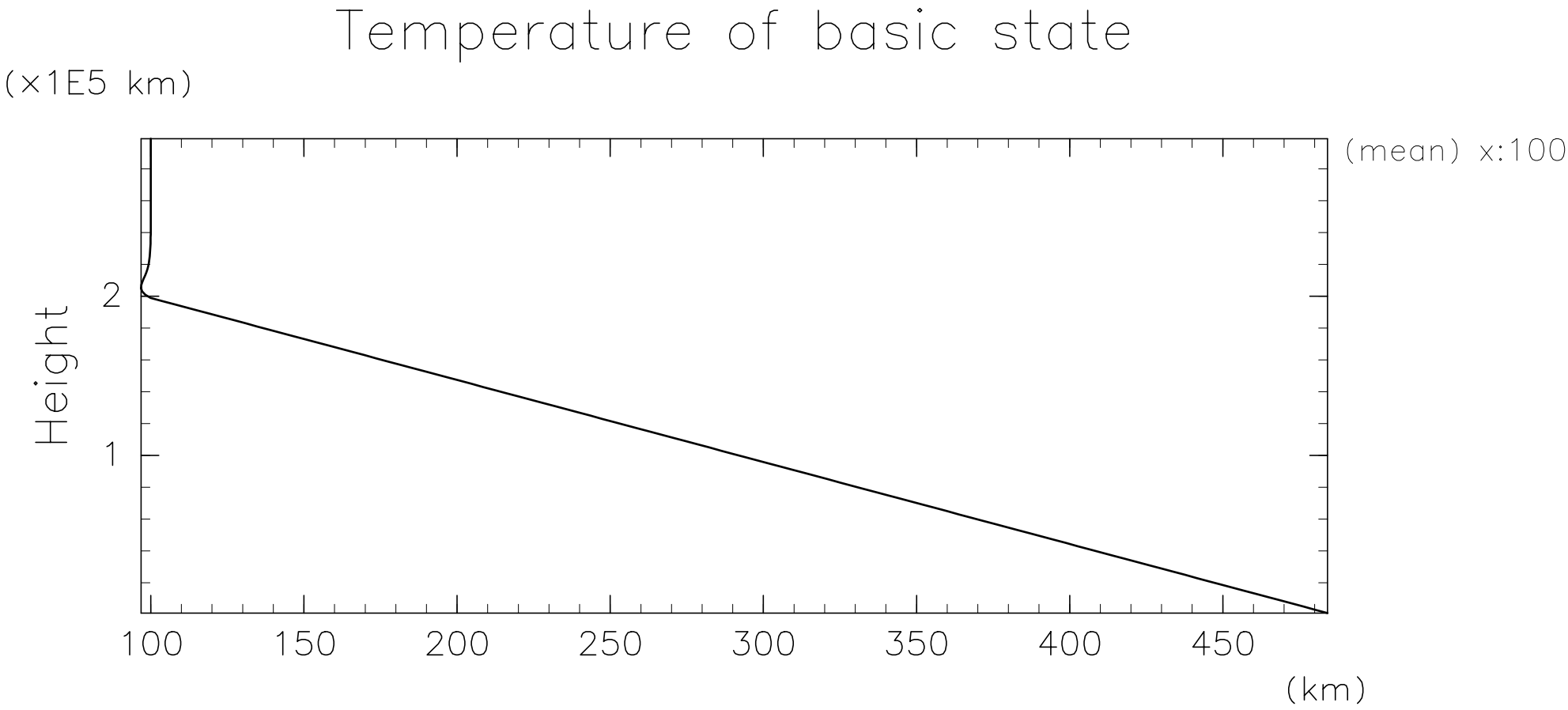
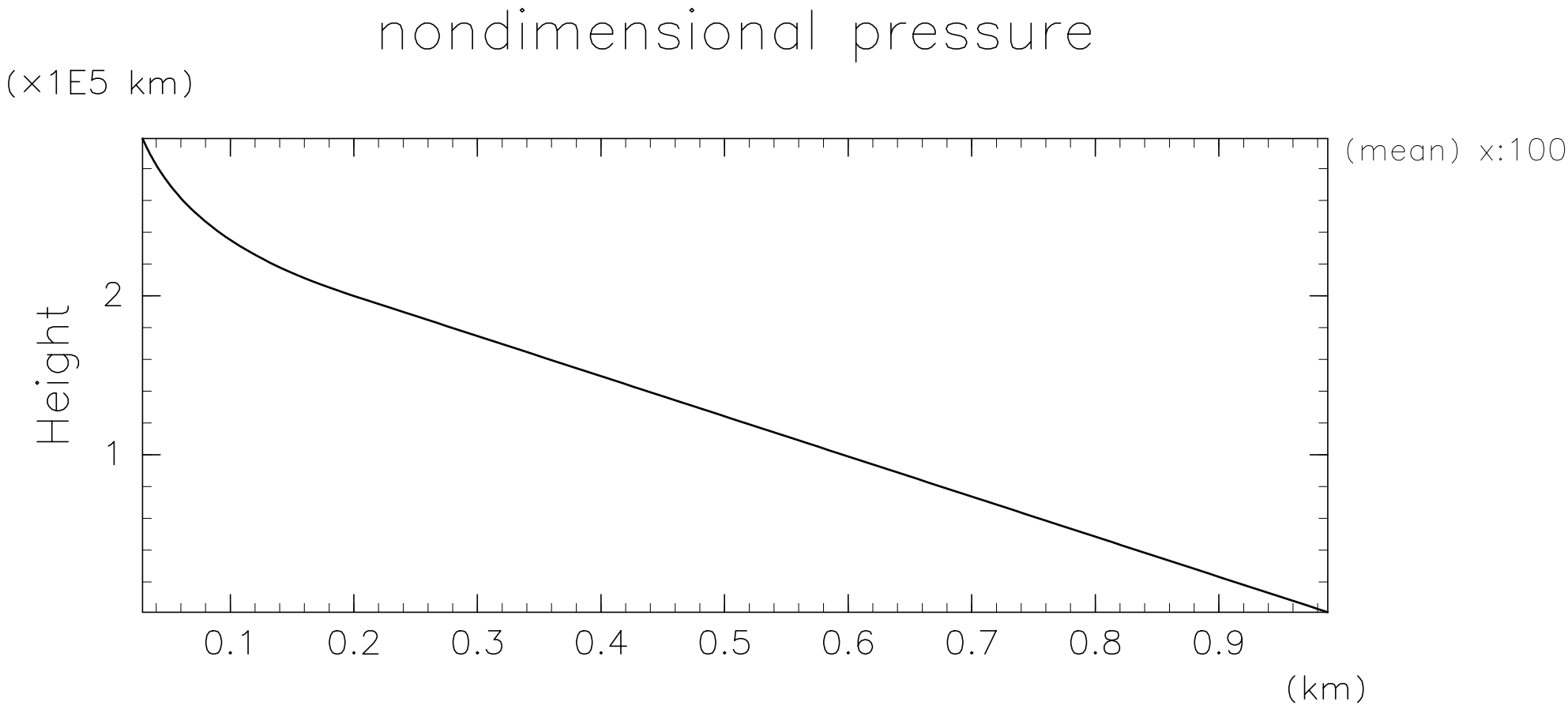
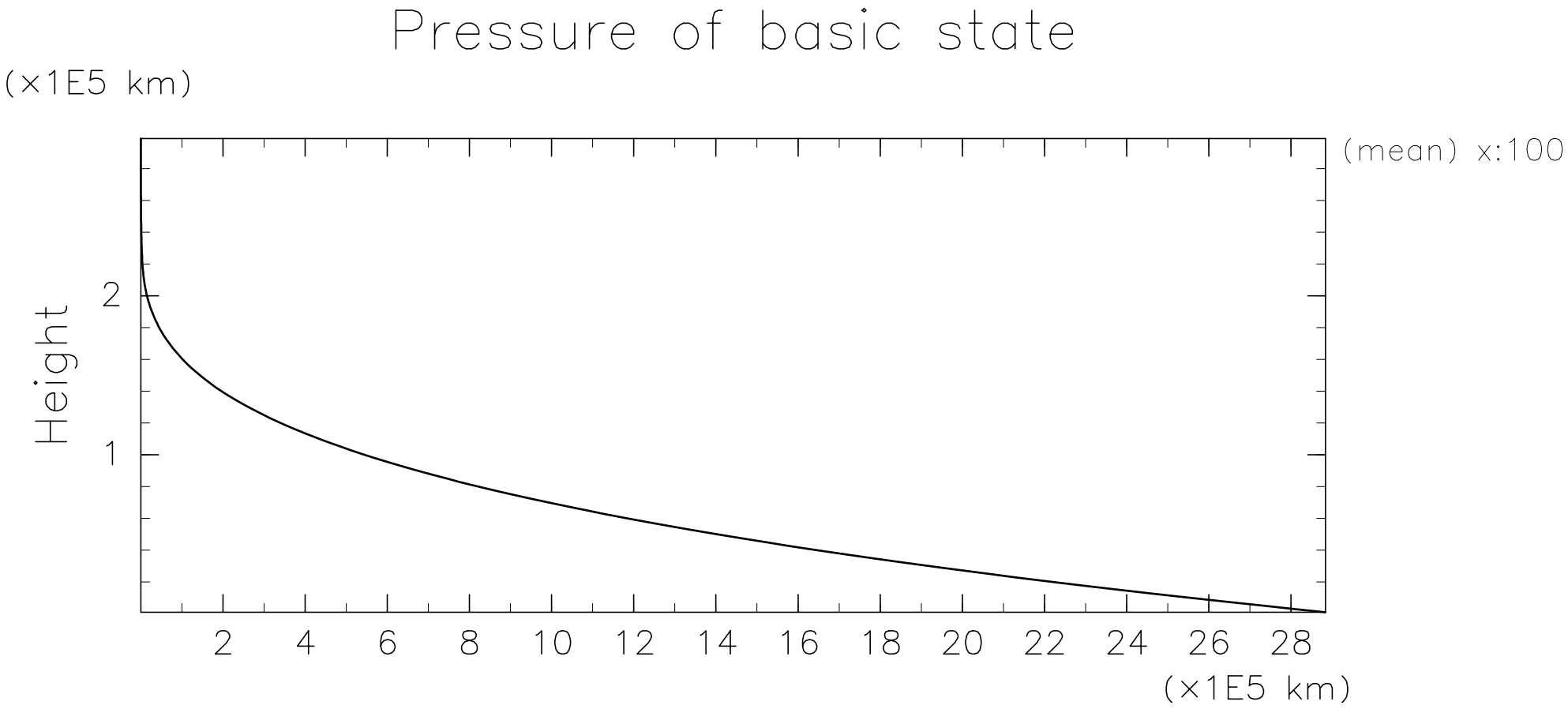
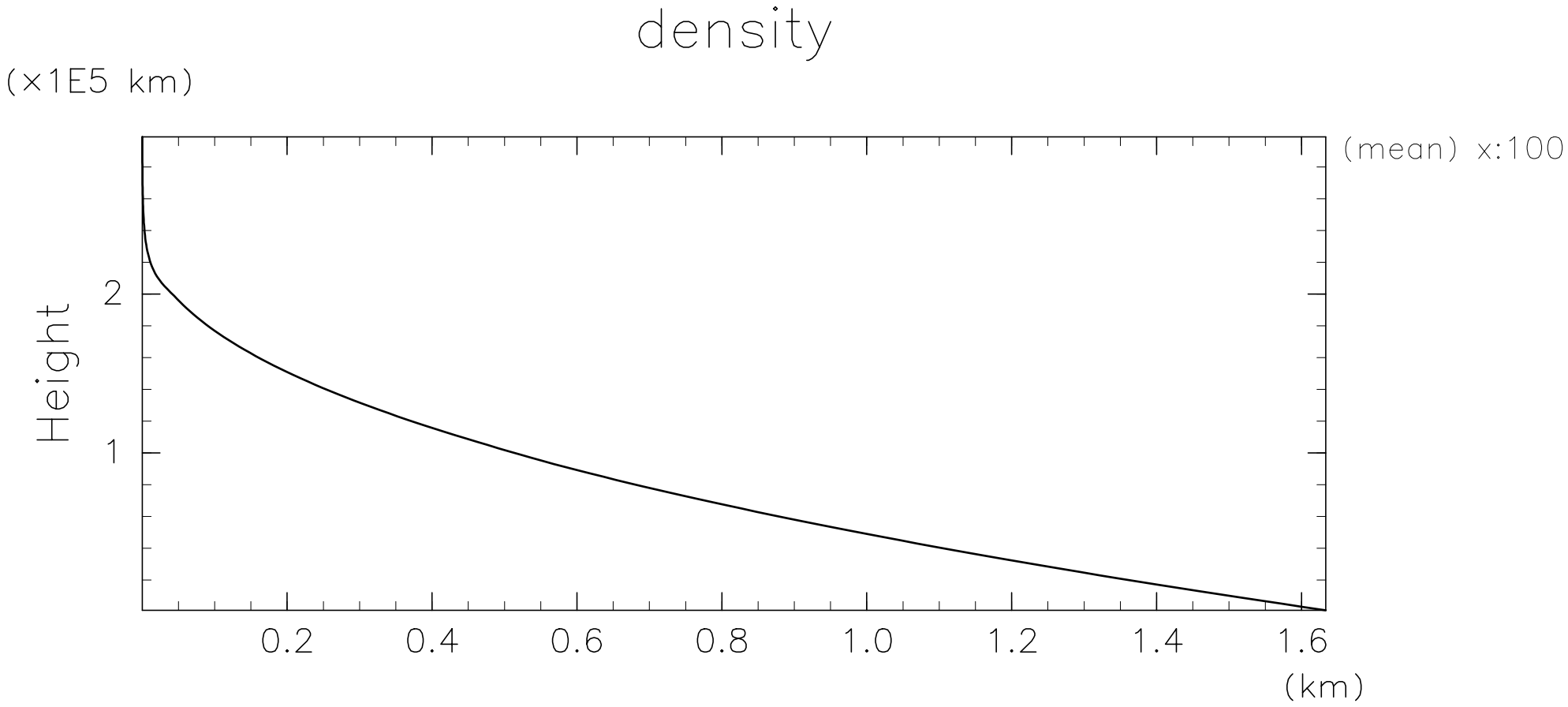
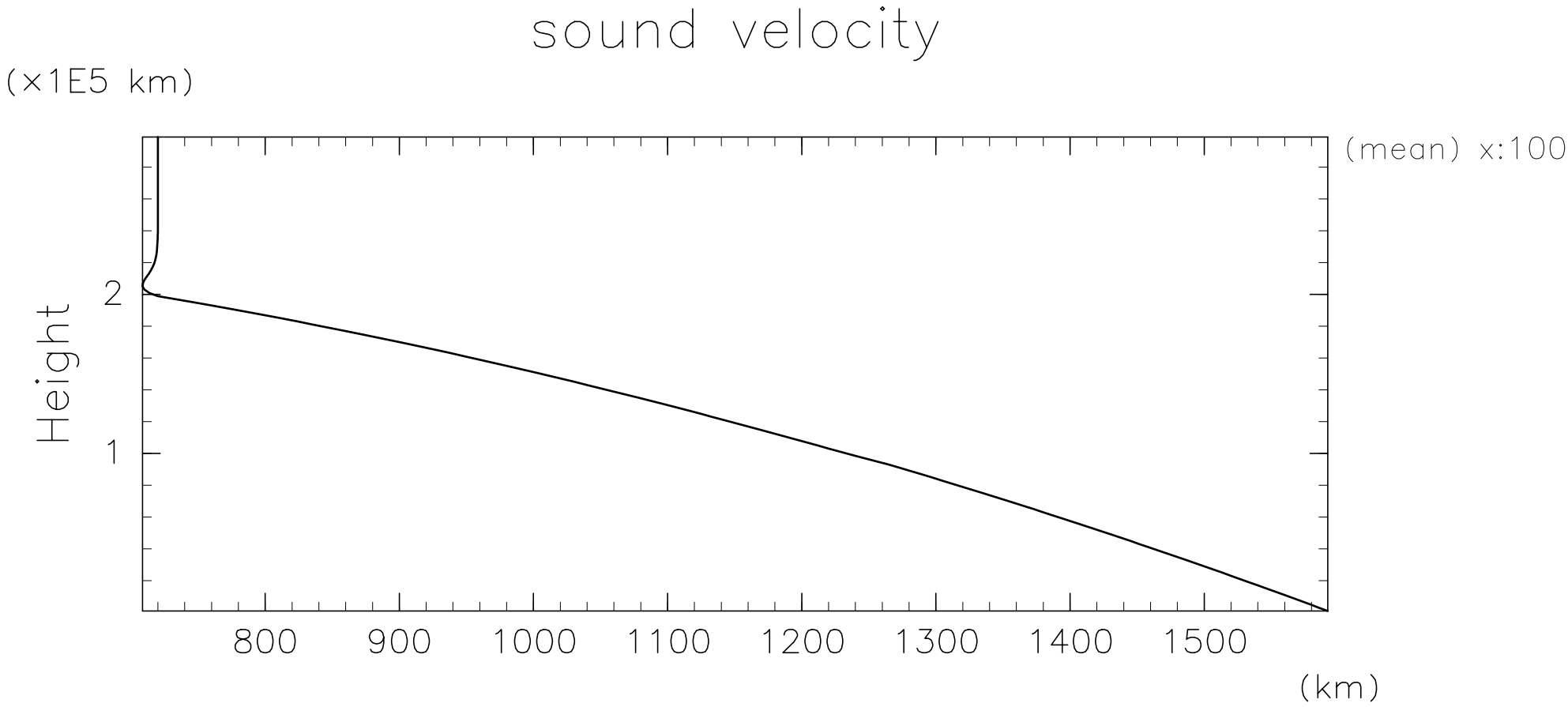

potential temperature
(×1E5 km)
(mean) x:100
Height
2
1
500
1000
1500
2000
2500
3000
(km)


Temperature of basic state
(×1E5 km)
(mean) x:100
Height
2
1
100
150
200
250
300
350
400
450
(km)

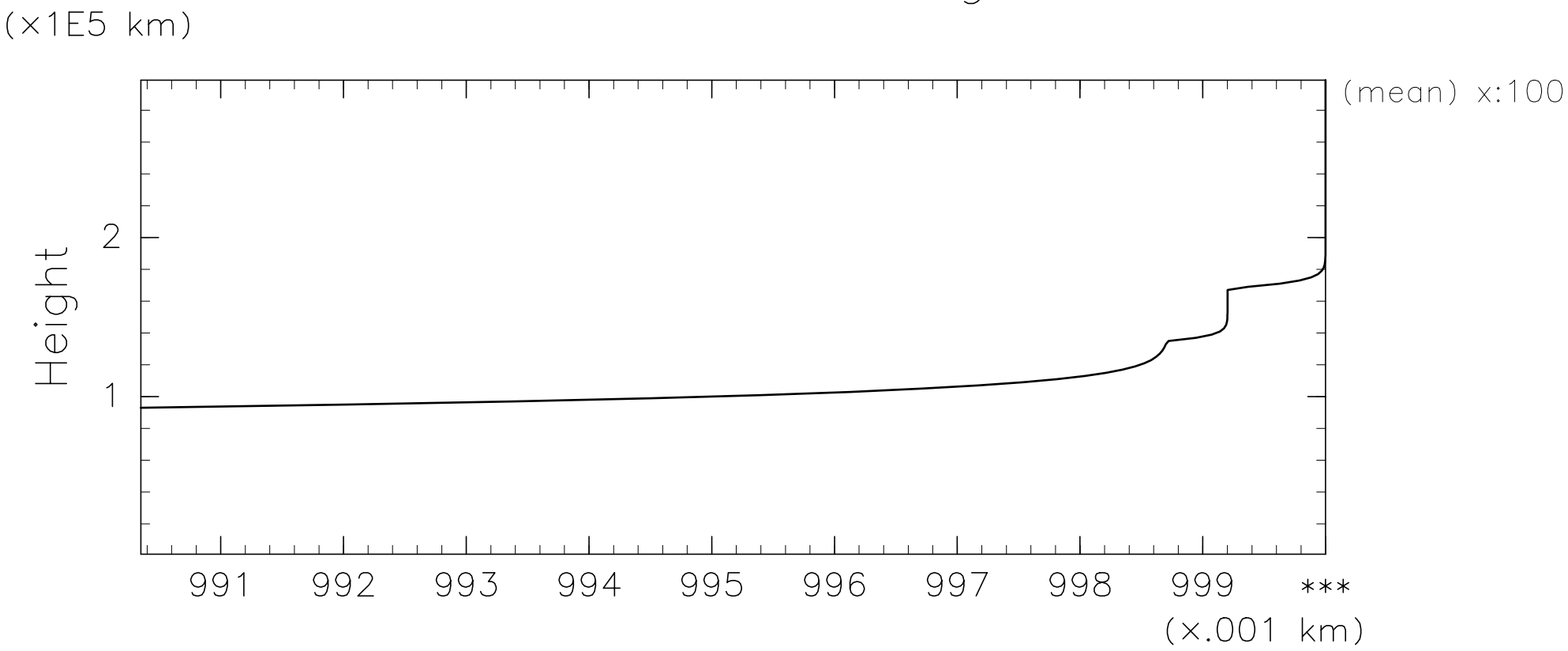

nondimensional pressure
(×1E5 km)
(mean) x:100
Height
2
1
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
(km)

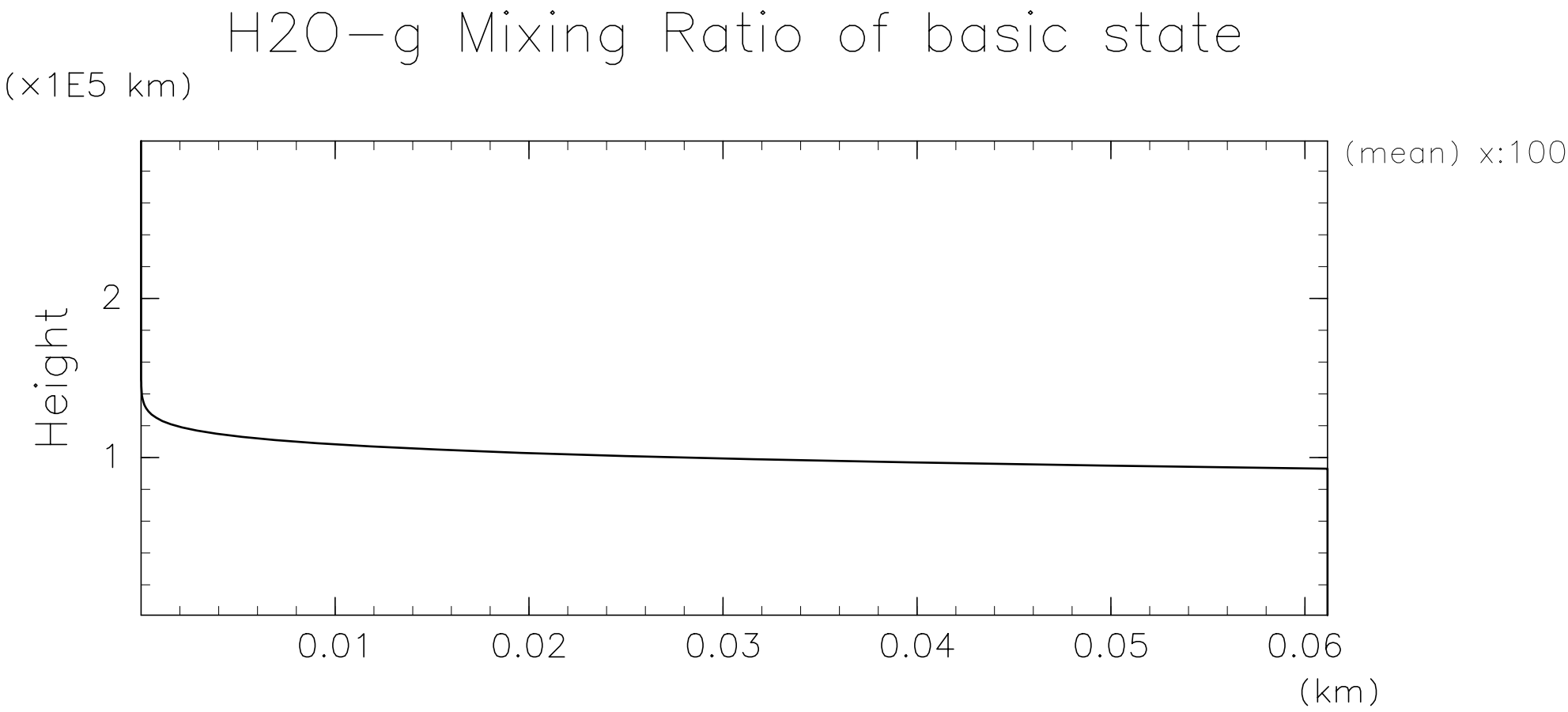

Pressure of basic state
(×1E5 km)
(mean) x:100
Height
2
1
2
4
6
8
10
12
14
16
18
20
22
24
26
28
(×1E5 km)

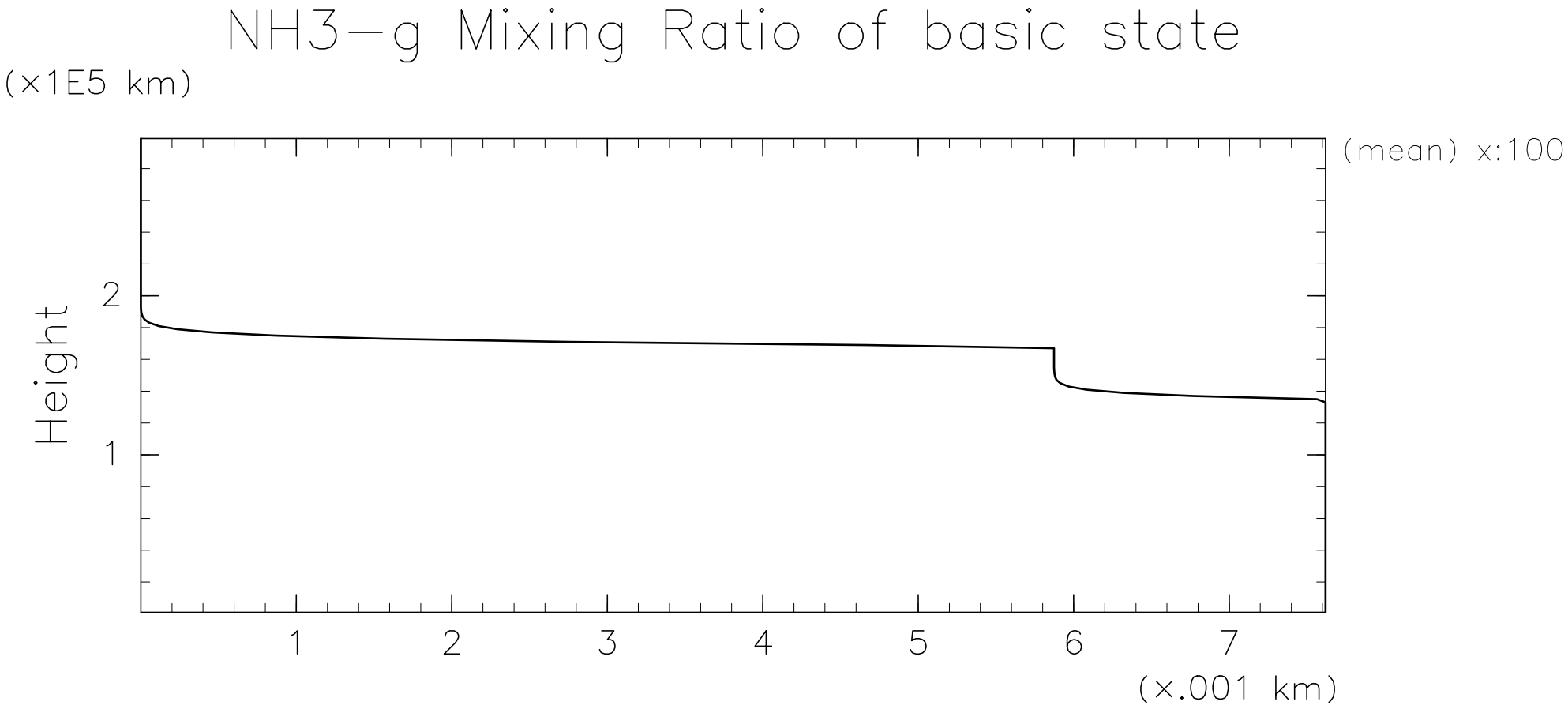

density
(×1E5 km)
(mean) x:100
Height
2
1
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
(km)

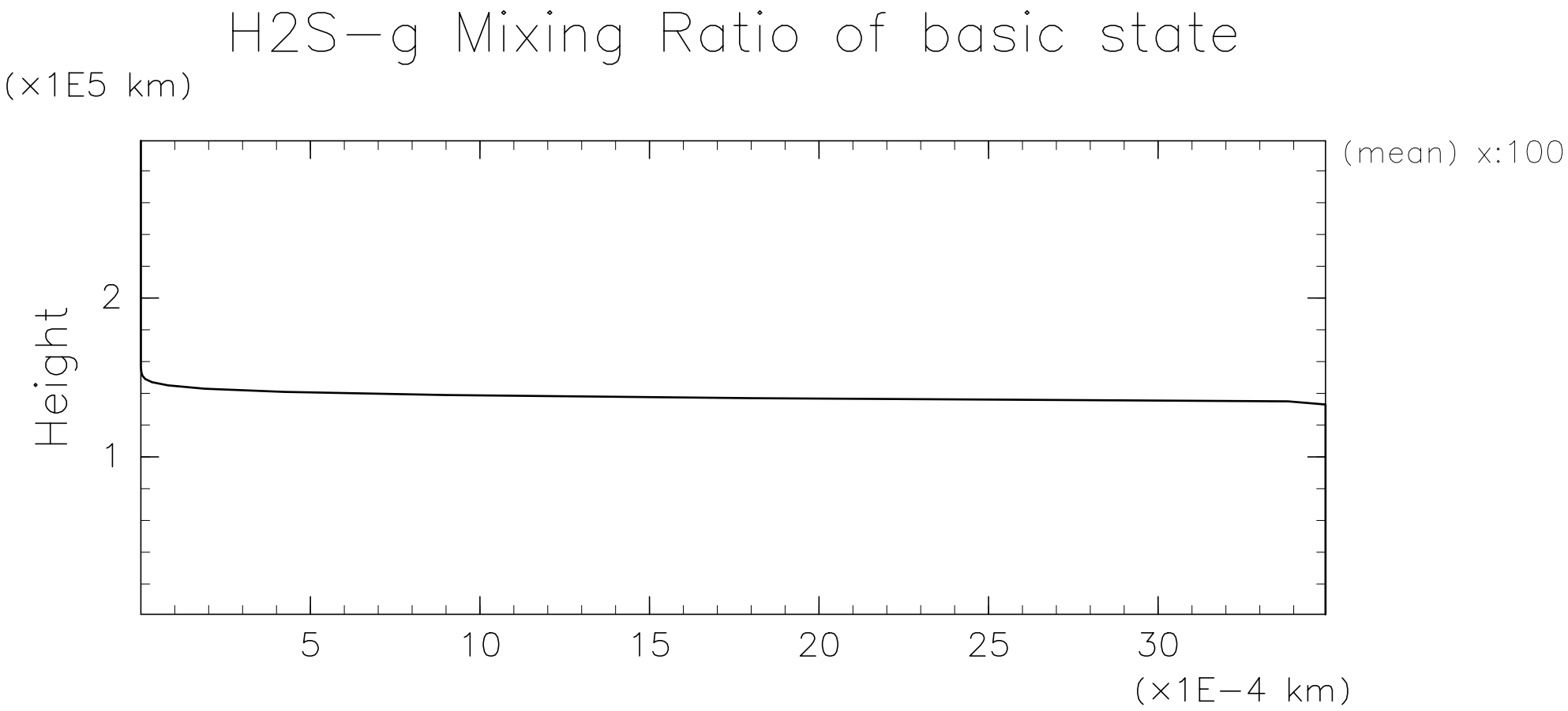

sound velocity
(×1E5 km)
(mean) x:100
Height
2
1
800
900
1000
1100
1200
1300
1400
1500
(km)

Effect of Mole Weight




H2O−g Mixing Ratio of basic state
(×1E5 km)
(mean) x:100
Height
2
1
0.01
0.02
0.03
0.04
0.05
0.06
(km)


NH3−g Mixing Ratio of basic state
(×1E5 km)
(mean) x:100
Height
2
1
1
2
3
4
5
6
7
(×.001 km)


H2S−g Mixing Ratio of basic state
(×1E5 km)
(mean) x:100
Height
2
1
5
10
15
20
25
30
(×1E−4 km)