(a)

(b)

(c)

Reference model
Model variations

$H_{\max}$ [km]

12
8

15 25 35 45

10 20 30 40 50

10 20 30 40 50 60

T [km]

P [MPa]

θ_{hr}

(d)

(e)

(f)

12
8
4

0.001 0.004 0.007 0.01

$(a-b)$

110
100
90
80
70

15 25 35 45

T [km]

$x_{H_{\max}}$ [km]

2
1.5
1
0.5

Reference model
Model variations

P=40MPa
T=40km
T=10km
θ_{hr}=50
θ_{hr}=20
$(a-b)$=0.001
P=10MPa
$(a-b)$=0.01

$V_{\mathrm{p}\,\overline{\max}}$ [m/s]

T P θ_{hr} $(a-b)$