testcase tc1v1lay

best fit: 0.026161

sound speed s1 (m/s)	1500	0.065
sound speed incr s2 (m/s)	138.3	0.11
sound speed incr s3 (m/s)	110.1	0.19
sound speed incr @bot+ (m/s)	243.4	0.23
Thickness (m)	3.575	0.032
Thickness (m)	2	0.2
Thickness (m)	29.12	0.12
Density (g/cm3)	1.677	0.22
Density (g/cm3)	1.984	0.3
Attenuation (dB/λ)	0.253	0.1
Attenuation (dB/λ)	0.01	0.22
Bathymetry (m)	89.85	0.14
Bathymetry (m)	150.3	0.25