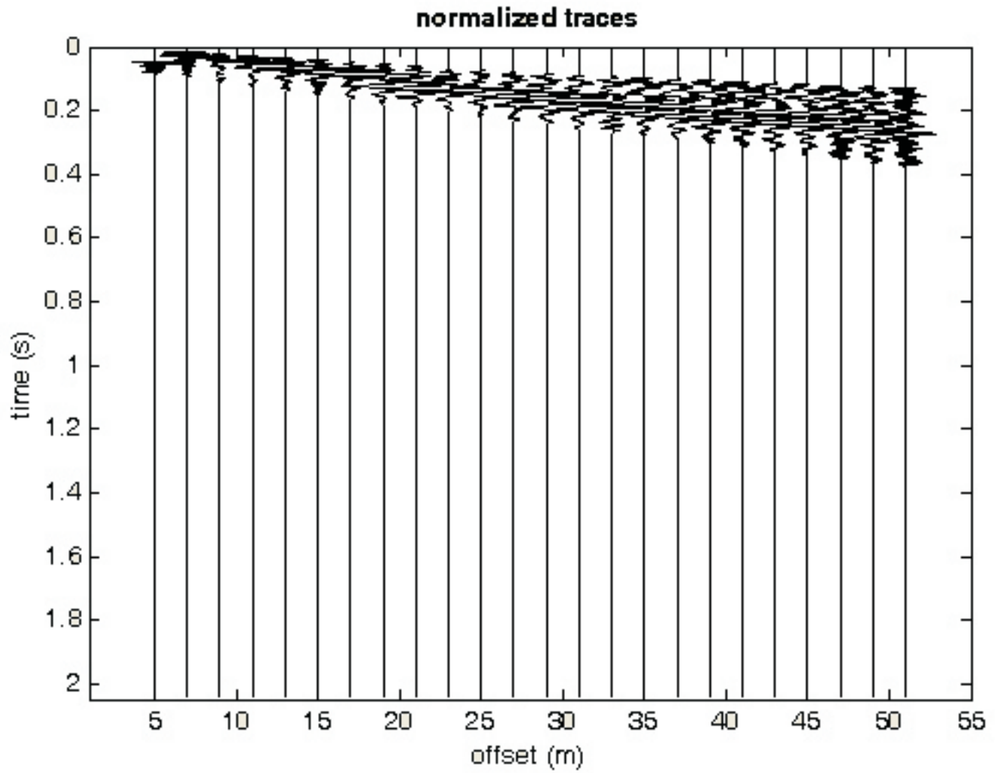
#1: uploading & processing (MASW analyses)

dataset: 2smaswcentroser.dat
minimum offset: 5 m
geophone spacing: 2 m
sampling: 0.125 ms



utilities
flip traces
spectrum
movie ?

data selection
activate
select 20
cancel save

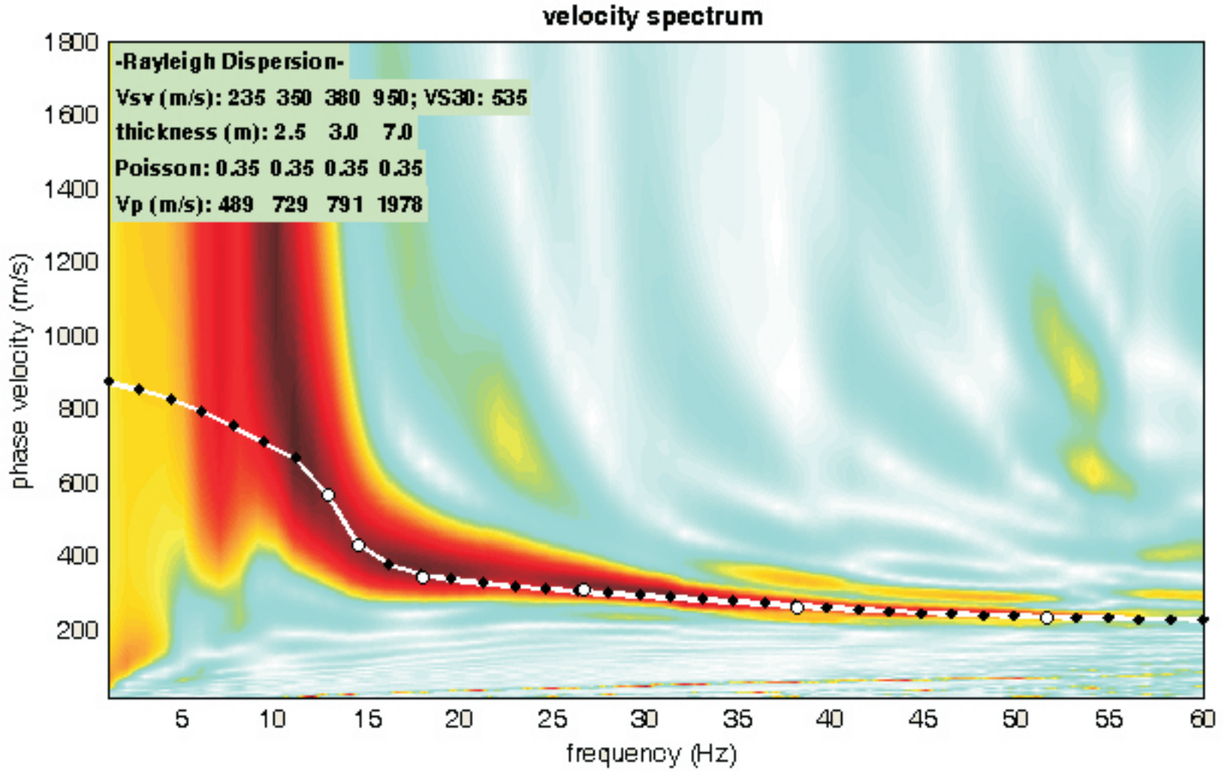
refraction
Professional version

#2: velocity spectrum, modelling & picking (MASW & ReMi analyses)

MASW
calculate spectrum Tau - v

ReMi
Professional version

visualize curves
input curve ?



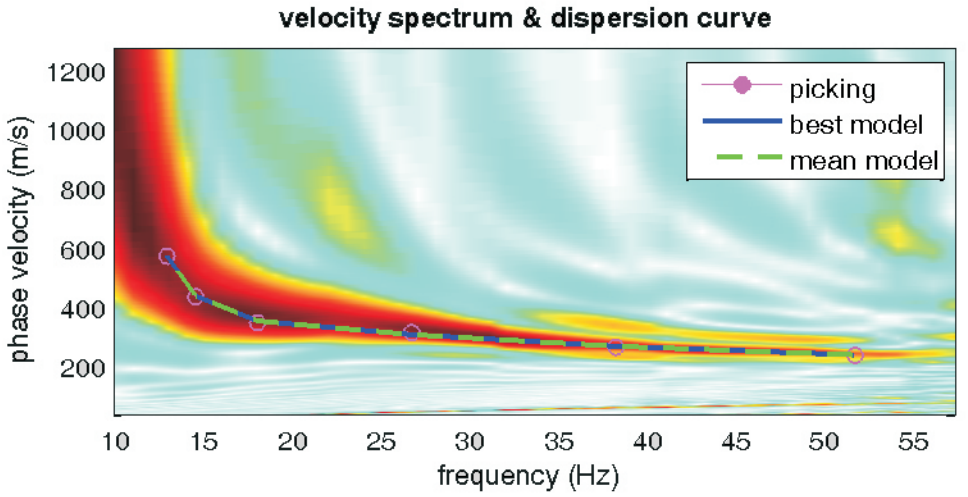
explore spectrum

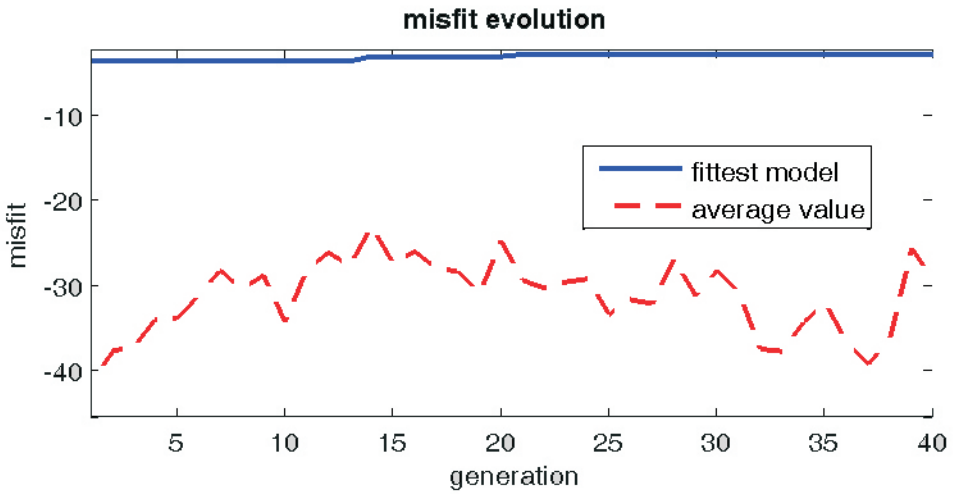
SERRAPETRONA CENTRO.cdp

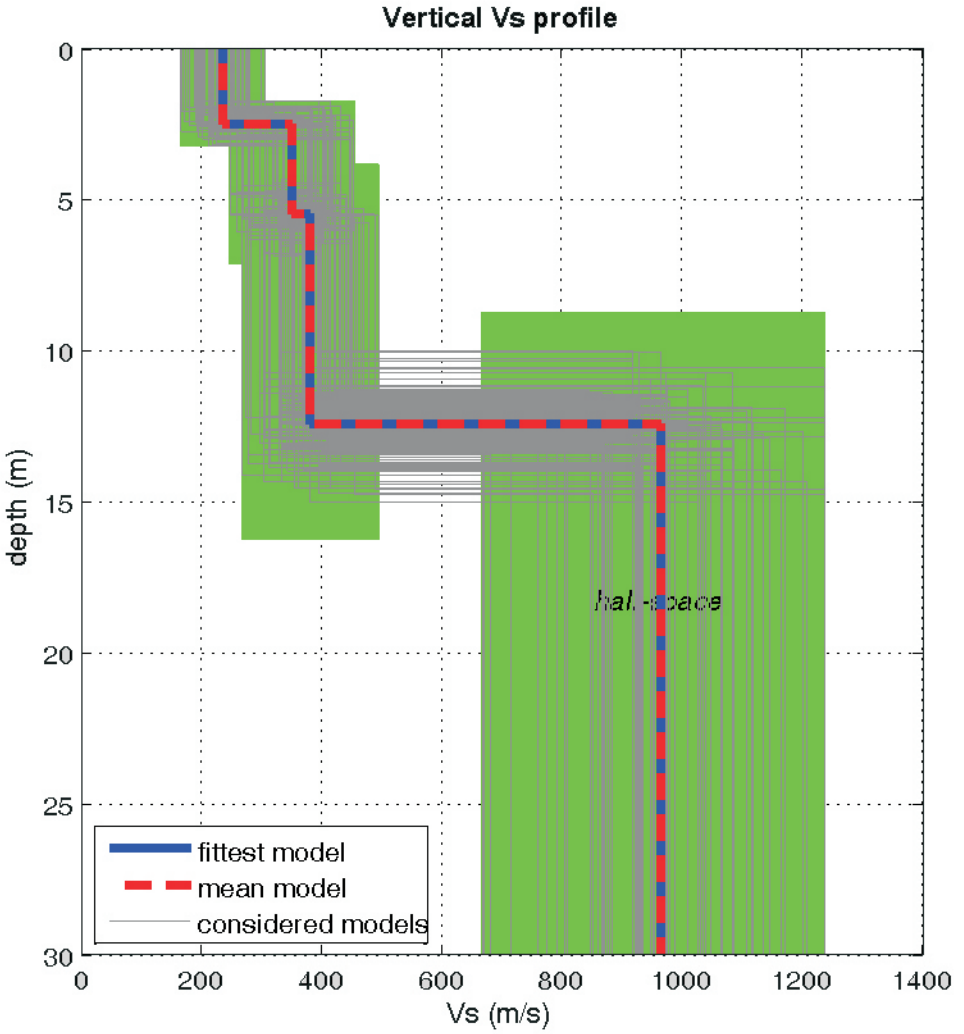
modelling
parameters save model
upload model 3 Love analysis: Professional version
eigen period refresh ?

picking
fundamental ?
use the right button to select the last point of the considered mode
save picking ? cancel picking

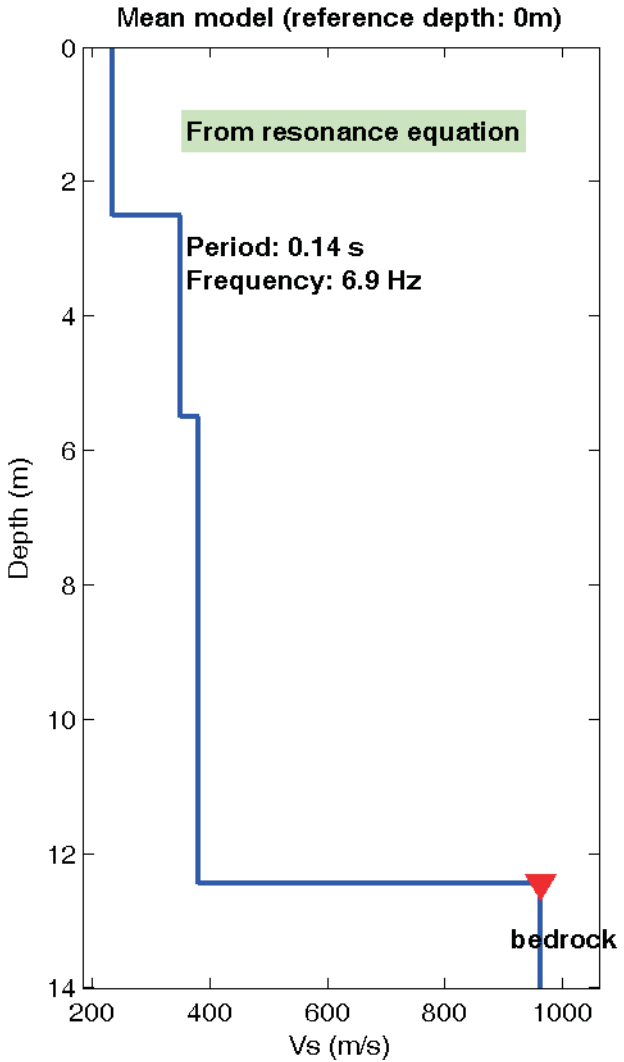
inversion
exit

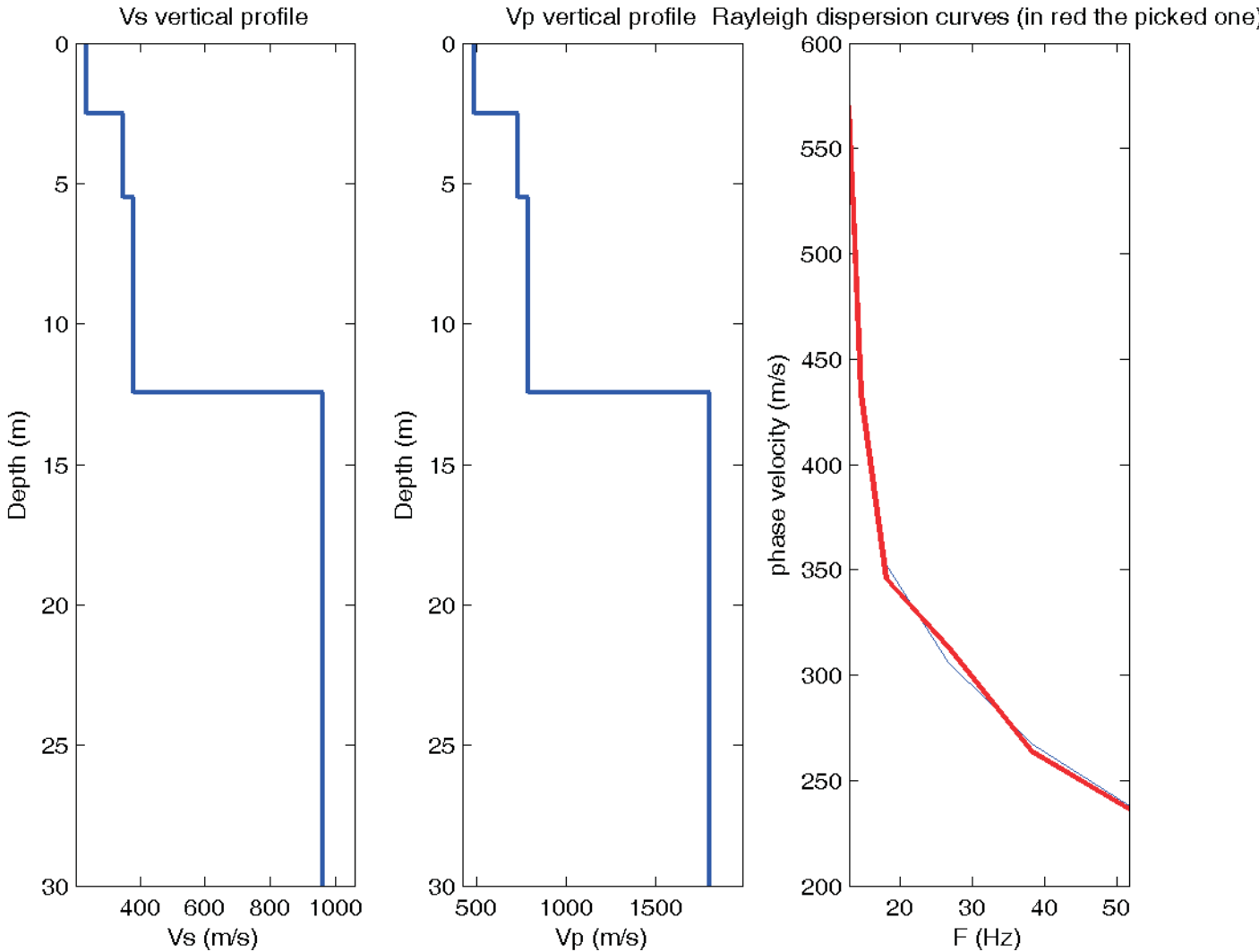


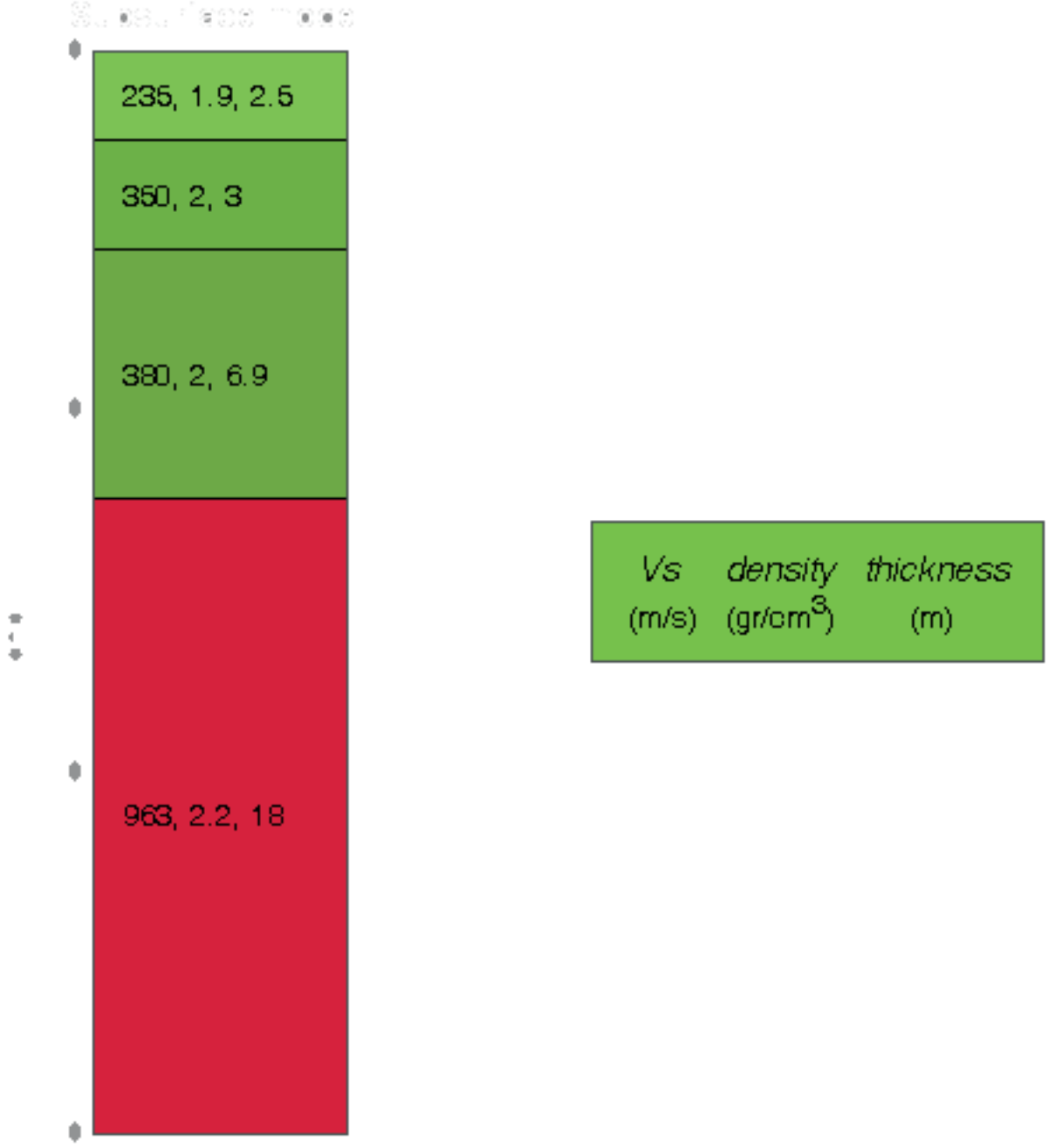




dataset: 2smaswcentroser.dat
dispersion curve: SERRAPETRONA CENTRO.cdp
VS30 (best model): 538 m/s
VS30 (mean model): 538 m/s


Mean model (reference depth: 0m)
From resonance equation
Period: 0.14 s
Frequency: 6.9 Hz
bedrock
Depth (m)
Vs (m/s)
0
2
4
6
8
10
12
14
200
400
600
800
1000


Vs vertical profile
Vp vertical profile
Rayleigh dispersion curves (in red the picked one)
Depth (m)
Vs (m/s)
Vp (m/s)
phase velocity (m/s)
F (Hz)
0
5
10
15
20
25
30
400
600
800
1000
500
1000
1500
200
250
300
350
400
450
500
550
600
20
30
40
50


235, 1.9, 2.5
350, 2, 3
380, 2, 6.9
963, 2.2, 18
Vs (m/s)
density (gr/cm3)
thickness (m)