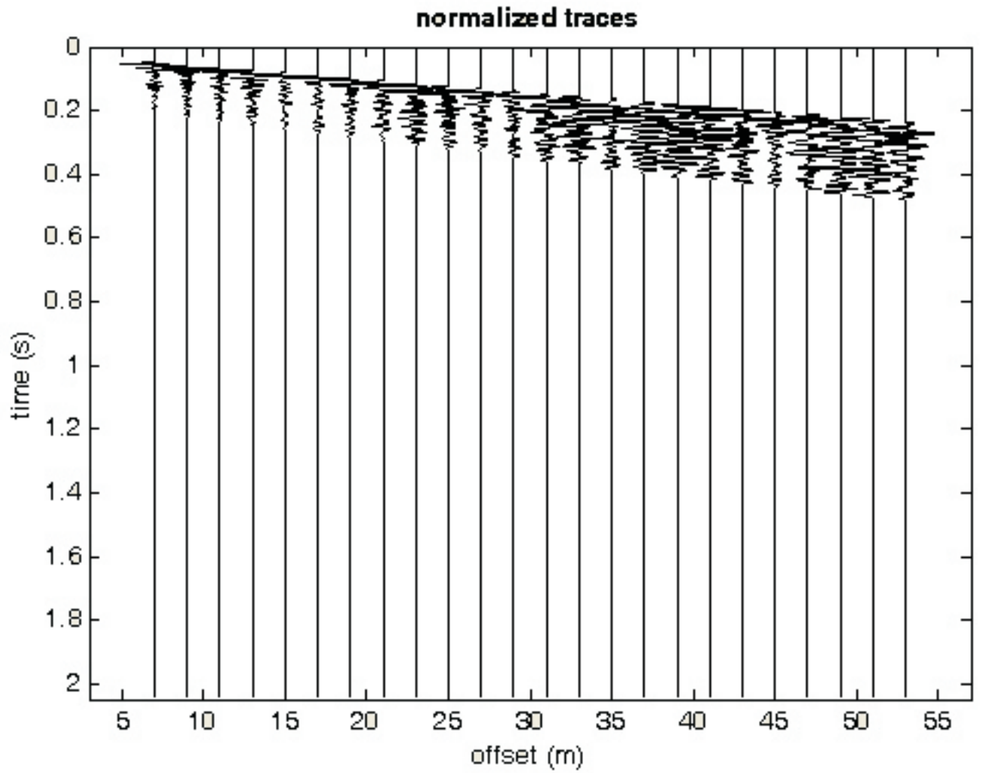
#1: uploading & processing (MASW analyses)

dataset: 275roccoserrape.dat
minimum offset: 7 m
geophone spacing: 2 m
sampling: 0.125 ms



utilities
flip traces
spectrum
movie ?

data selection
activate
select 20
cancel save

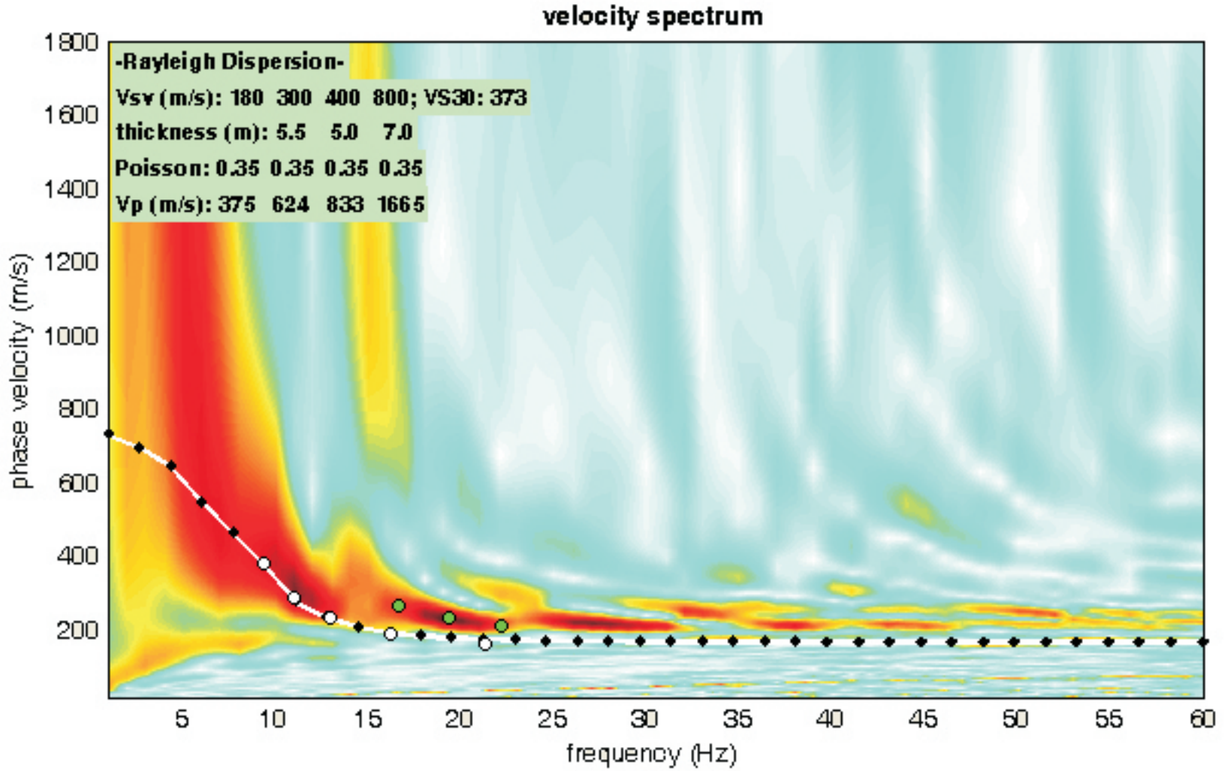
refraction
Professional version

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

MASW
calculate spectrum Tau - v

ReMi
Professional version

visualize curves
input curve ?



explore spectrum

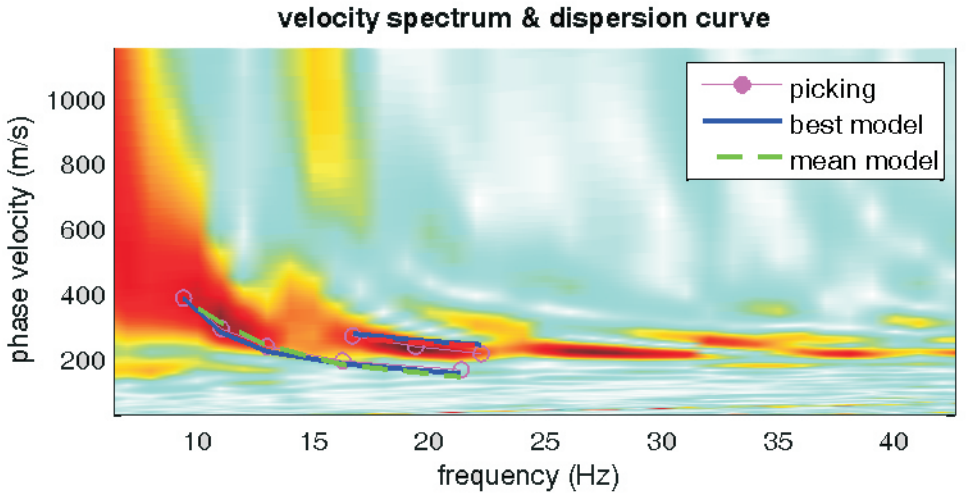
serrapetrona via colli.cdp

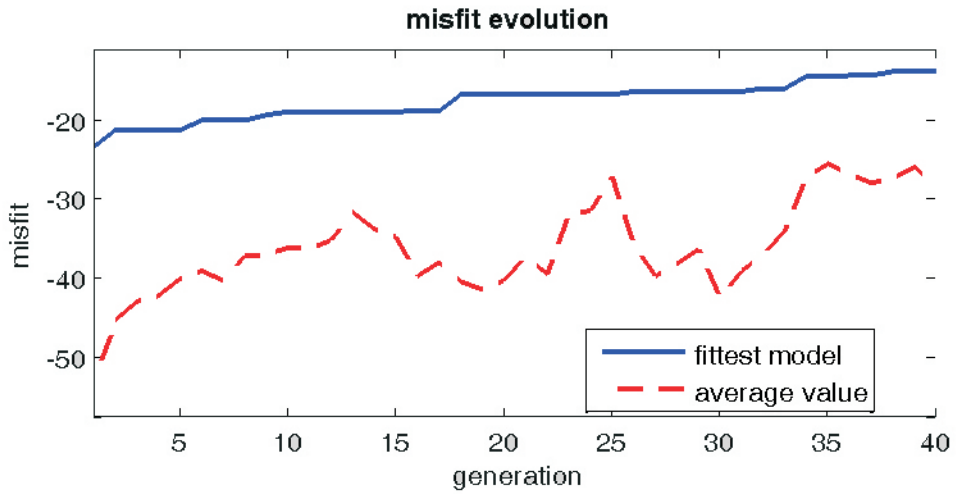
modelling
parameters save model
upload model 3 Love analysis: Professional version
eigen period refresh ?

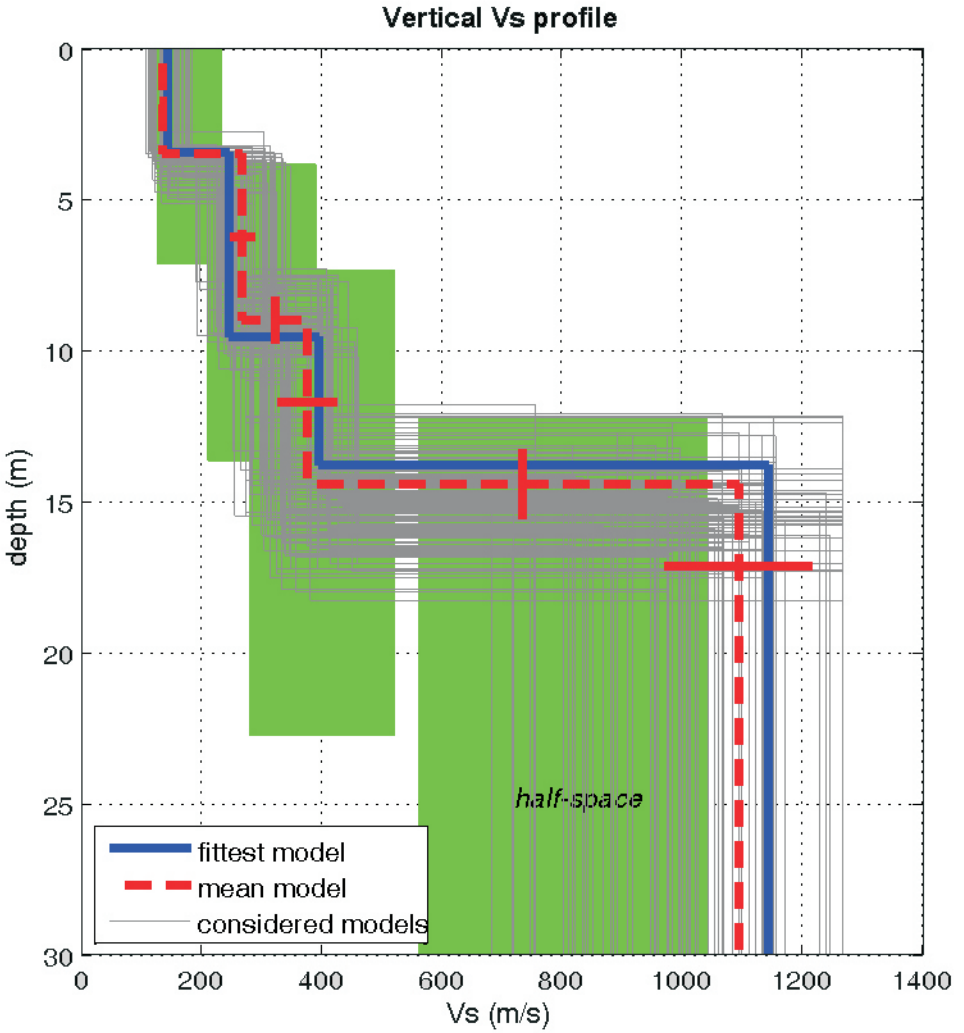
picking
first higher ?
use the right button to select the last point of the considered mode
save picking ? cancel picking

inversion

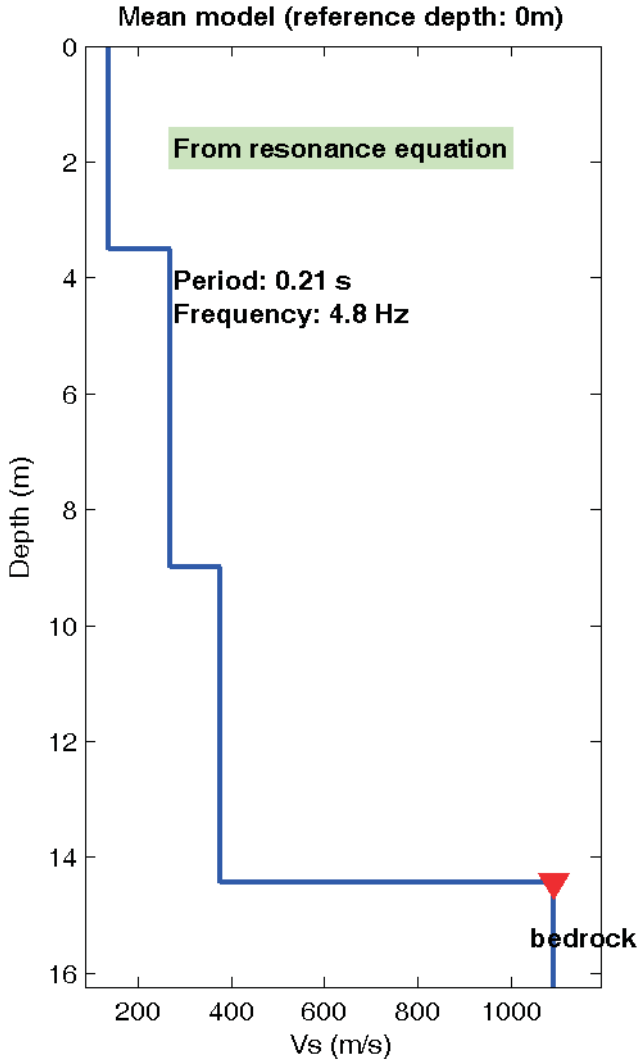
exit

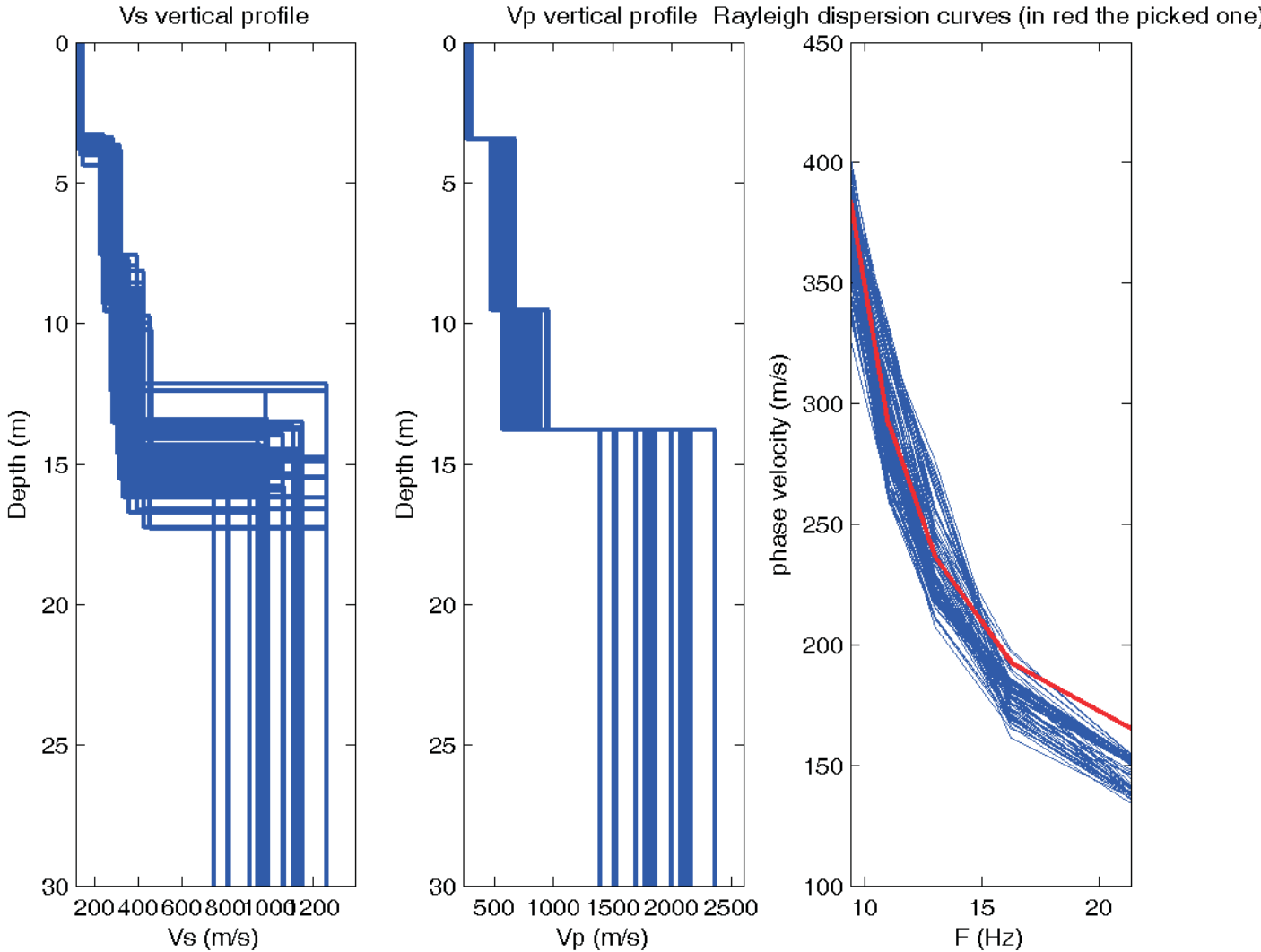


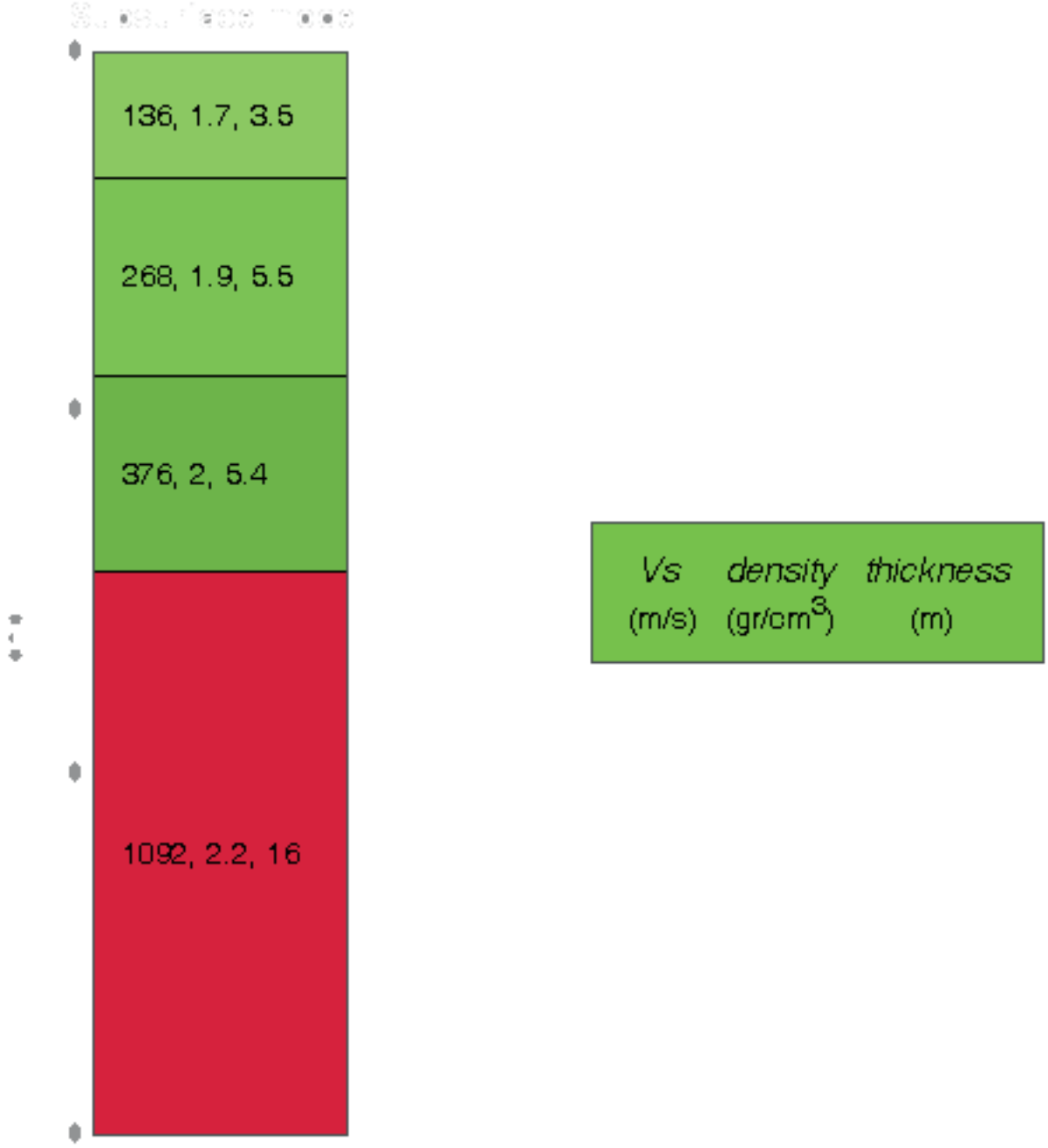




dataset: 275roccoserrape.dat
dispersion curve: serrapetrona via colli.cdp
VS30 (best model): 406 m/s
VS30 (mean model): 400 m/s


Mean model (reference depth: 0m)
From resonance equation
Period: 0.21 s
Frequency: 4.8 Hz
bedrock
Depth (m)
Vs (m/s)
0
2
4
6
8
10
12
14
16
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
200
400
600
800
1000
1200
500
1000
1500
2000
2500
450
400
350
300
250
200
150
100
10
15
20


136, 1.7, 3.5
268, 1.9, 5.5
376, 2, 5.4
1092, 2.2, 16
Vs (m/s)
density (gr/cm3)
thickness (m)