

RESULTS winMASW Pro
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MEAN MODEL

VS (m/s): 333 305 341 429 1018
Standard deviations (m/s): 14 19 11 27 51
Thickness (m): 2.8 1.8 3.9 6.8
Standard deviations (m): 0.2 0.3 0.1 0.4
Approximate values for Vp, density & elastic moduli
VP (m/s): 693 635 710 743 1763
Density (g/cm³): 1.97 1.94 1.97 1.98 2.19
VP/Vs ratio: 2.08 2.08 1.73 1.73
Poisson: 0.35 0.35 0.35 0.25 0.25
Young modulus (MPa): 588 488 619 912 5678
Shear modulus (MPa): 218 181 229 365 2271
Lamé (MPa): 508 422 535 365 2270
Bulk modulus (MPa): 653 543 688 608 3784

Fundamental mode - Mean model
f(Hz) VR(m/s)

8.62408 694.0196
8.91452 684.8149
10.9476 565.7845
16.9017 350.8642
25.4697 315.2104
39.5561 305.5221
48.705 305.1503
60.3226 306.0381

BEST MODEL

Vs (m/s): 346.4914 289.8902 350 437.9634 988.3576
Thickness (m): 2.7004 2 4 7
Approximate values for Vp, density & elastic moduli
VP (m/s): 721 603 729 759 1712
Density (g/cm³): 1.97 1.93 1.98 1.99 2.18
VP/Vs ratio: 2.08 2.08 1.73 1.73
Poisson: 0.35 0.35 0.35 0.25 0.25
Young modulus (MPa): 638 438 654 953 5333
Shear modulus (MPa): 236 162 242 381 2132
Lamé (MPa): 554 377 566 382 2138
Bulk modulus (MPa): 711 486 728 636 3560

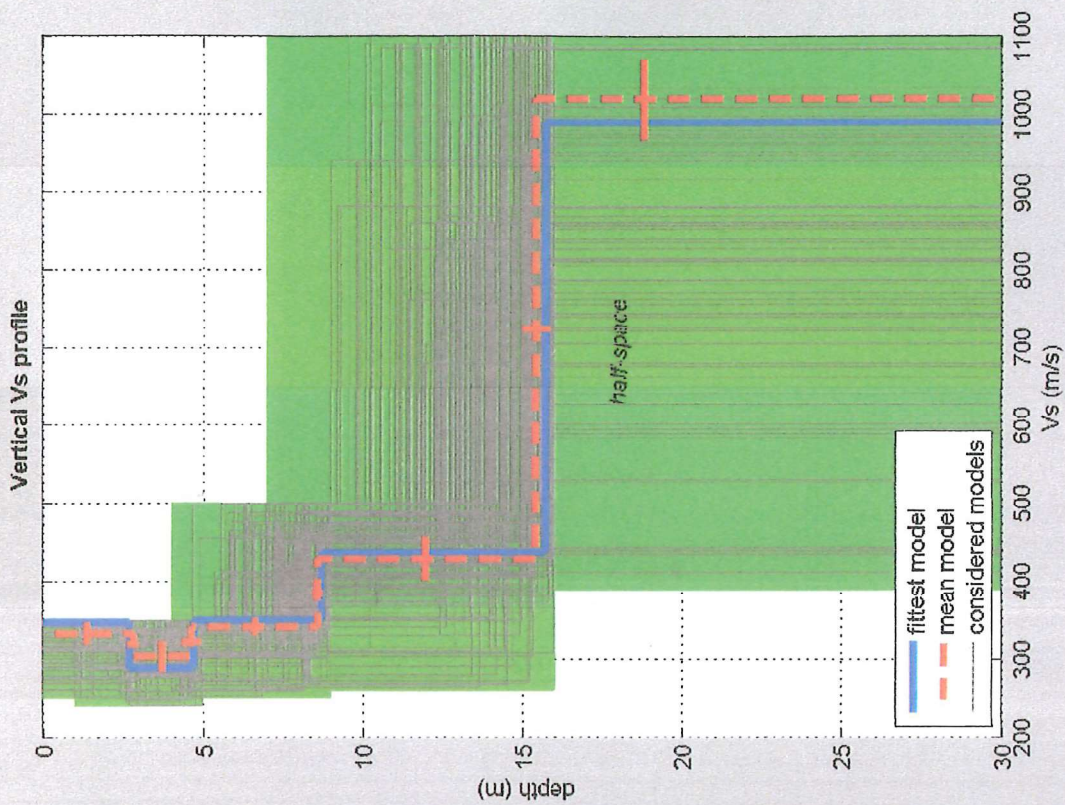
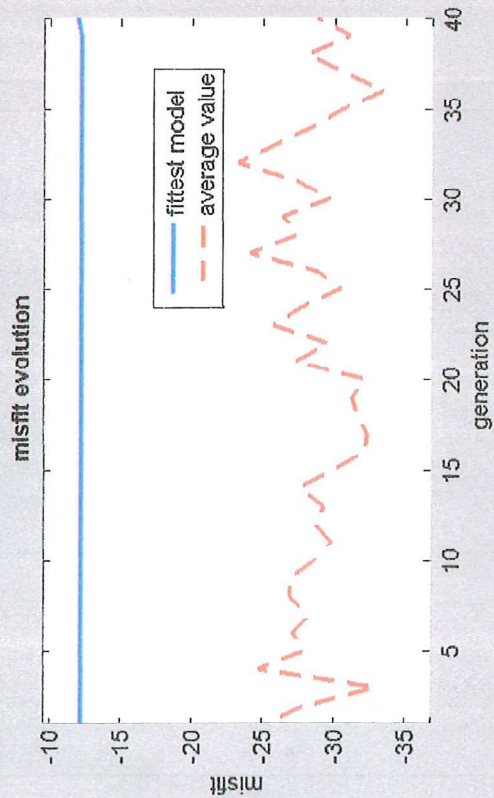
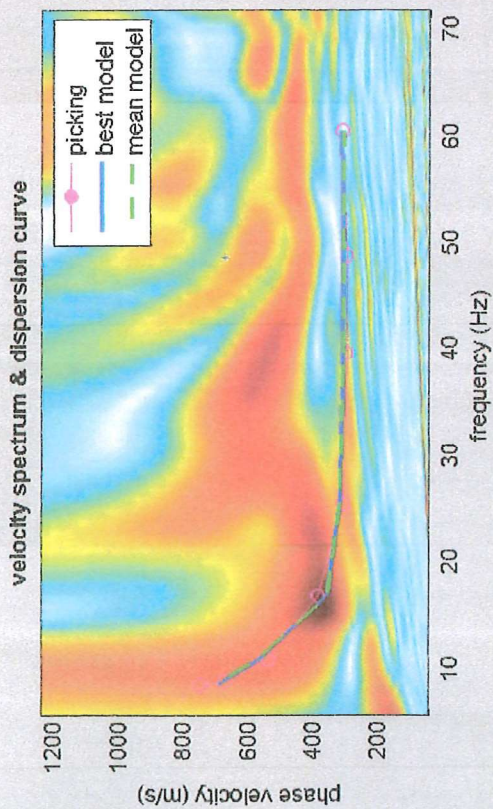
Fundamental mode - Best model
f(Hz) VR(m/s)

8.62408 683.9694
8.91452 675.139
10.9476 560.8066
16.9017 354.4204
25.4697 315.4105
39.5561 306.4558
48.705 307.4987
60.3226 310.0752

Maximum penetration depth according to the "Steady State Rayleigh Method": 34 m
Inversion quality: very good

VS (mean model): 323 m/s
VS20 (mean model): 431 m/s
VS30 (mean model): 533 m/s
VS (best model): 321 m/s
VS20 (best model): 430 m/s
VS30 (best model): 530 m/s

winMASW 4.2 Pro Surface Wave Analysis
via MASW - Multichannel Analysis of Surface Waves
www.eliosoft.it



dataset: 2 metri.sgy
 dispersion curve: picking 2 metri.cdp
 V_{S30} (best model): 530 m/s
 V_{S30} (mean model): 533 m/s