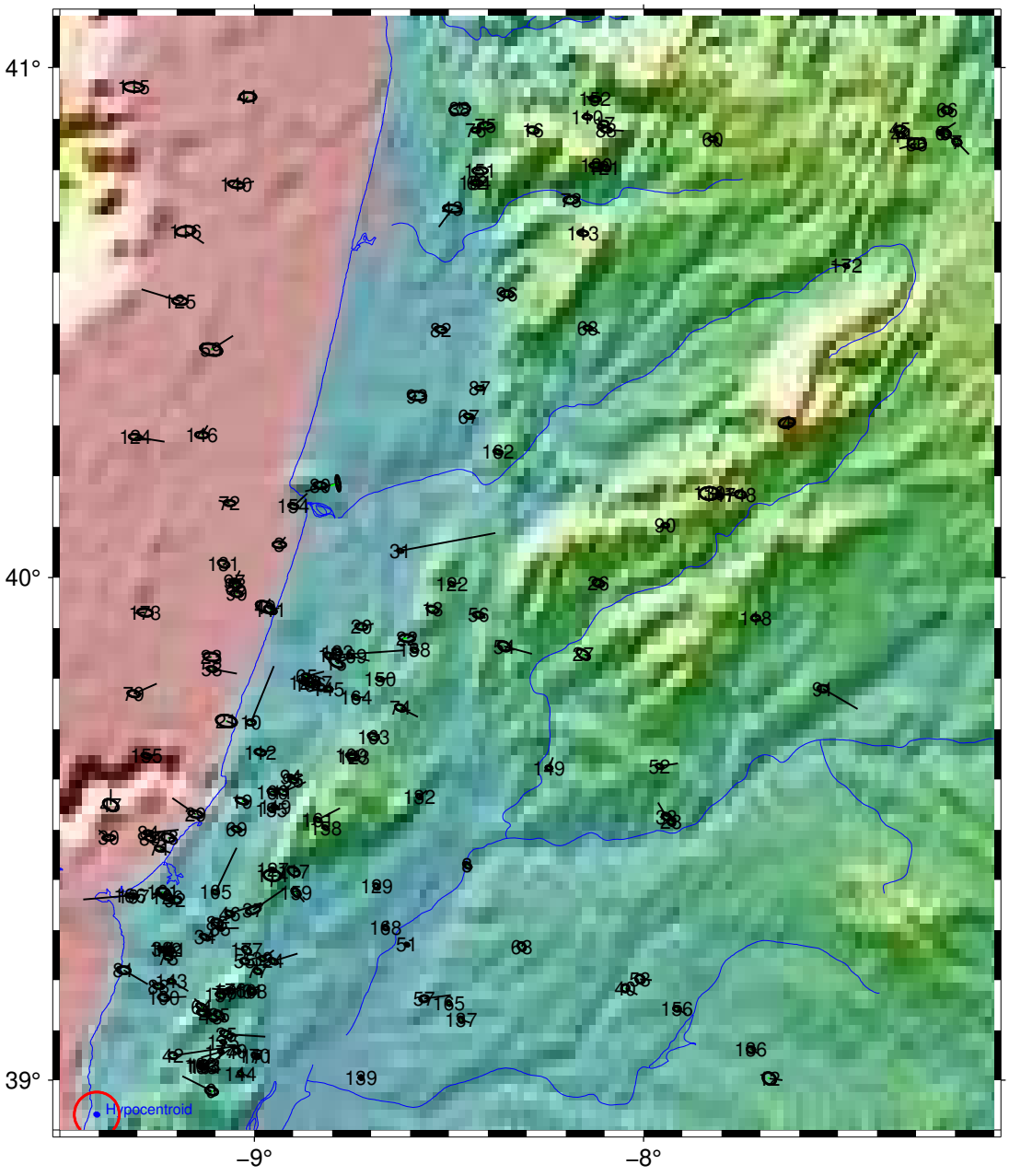
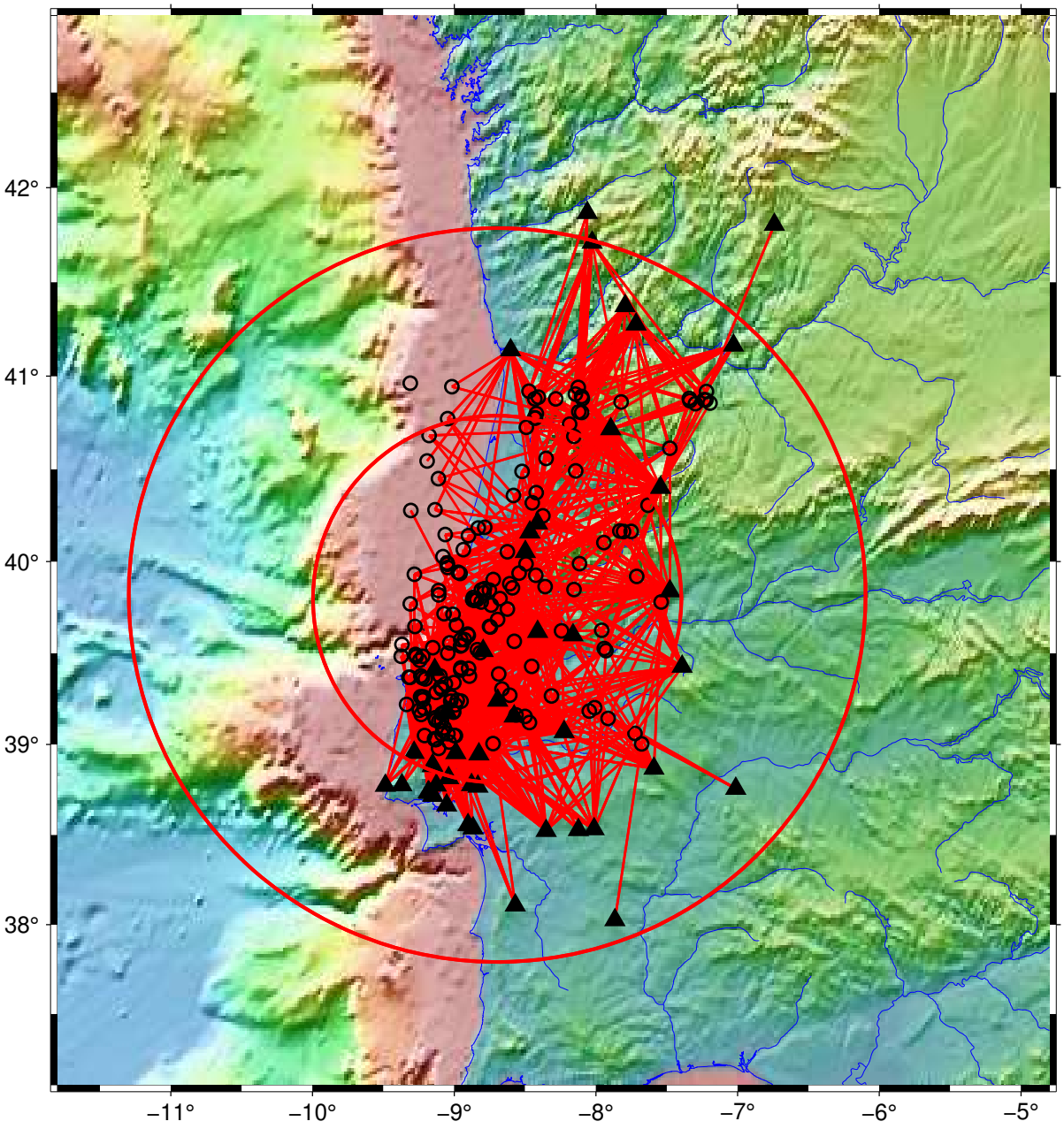
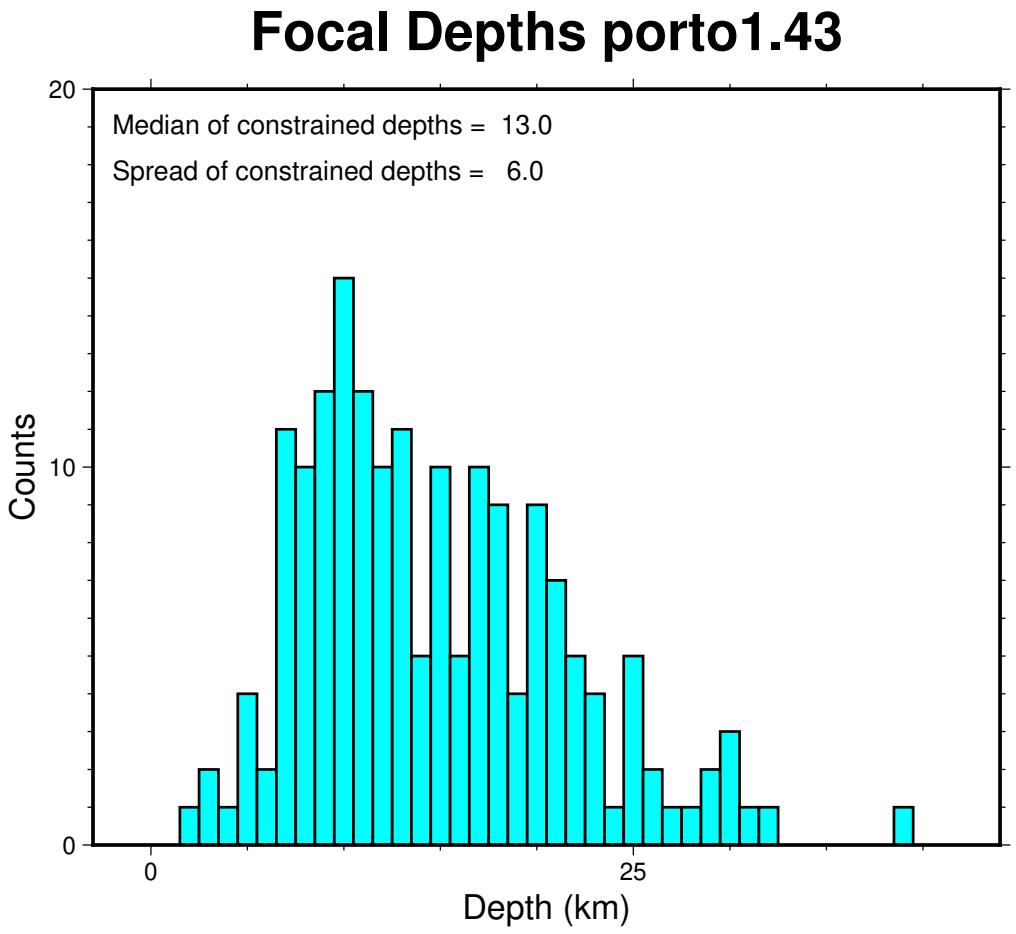
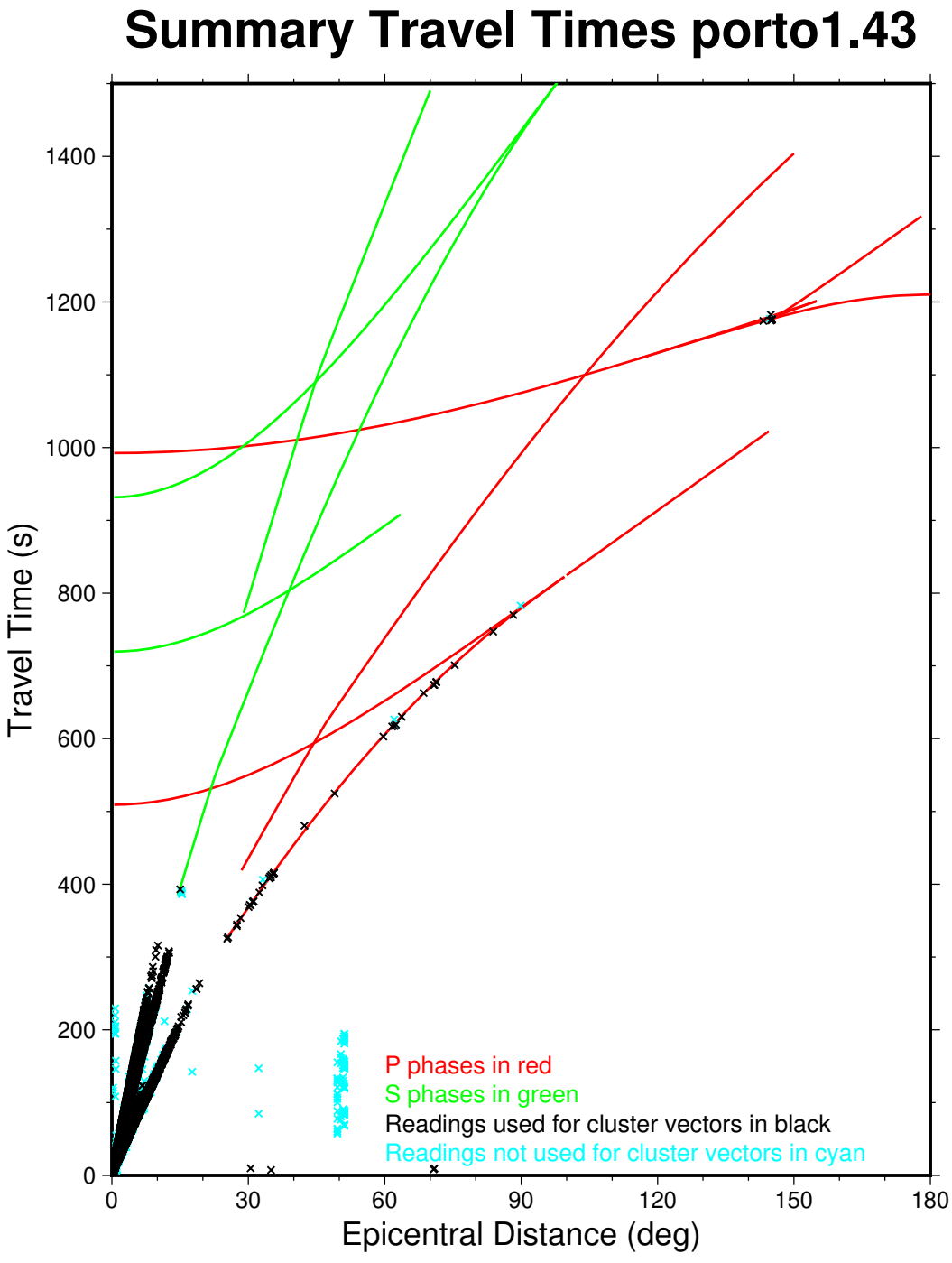
Base Map porto1.43



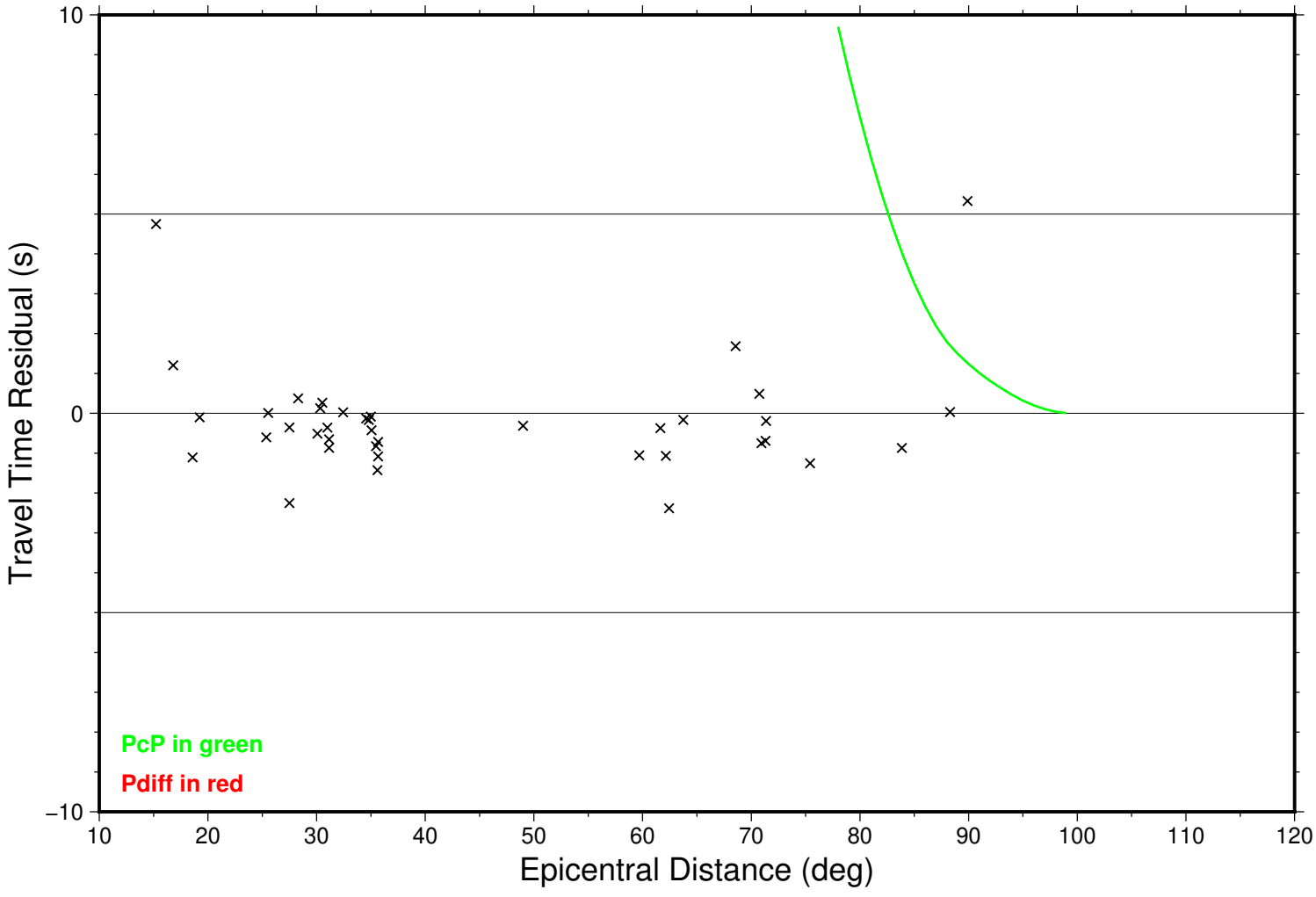
Direct Calibration porto1.43

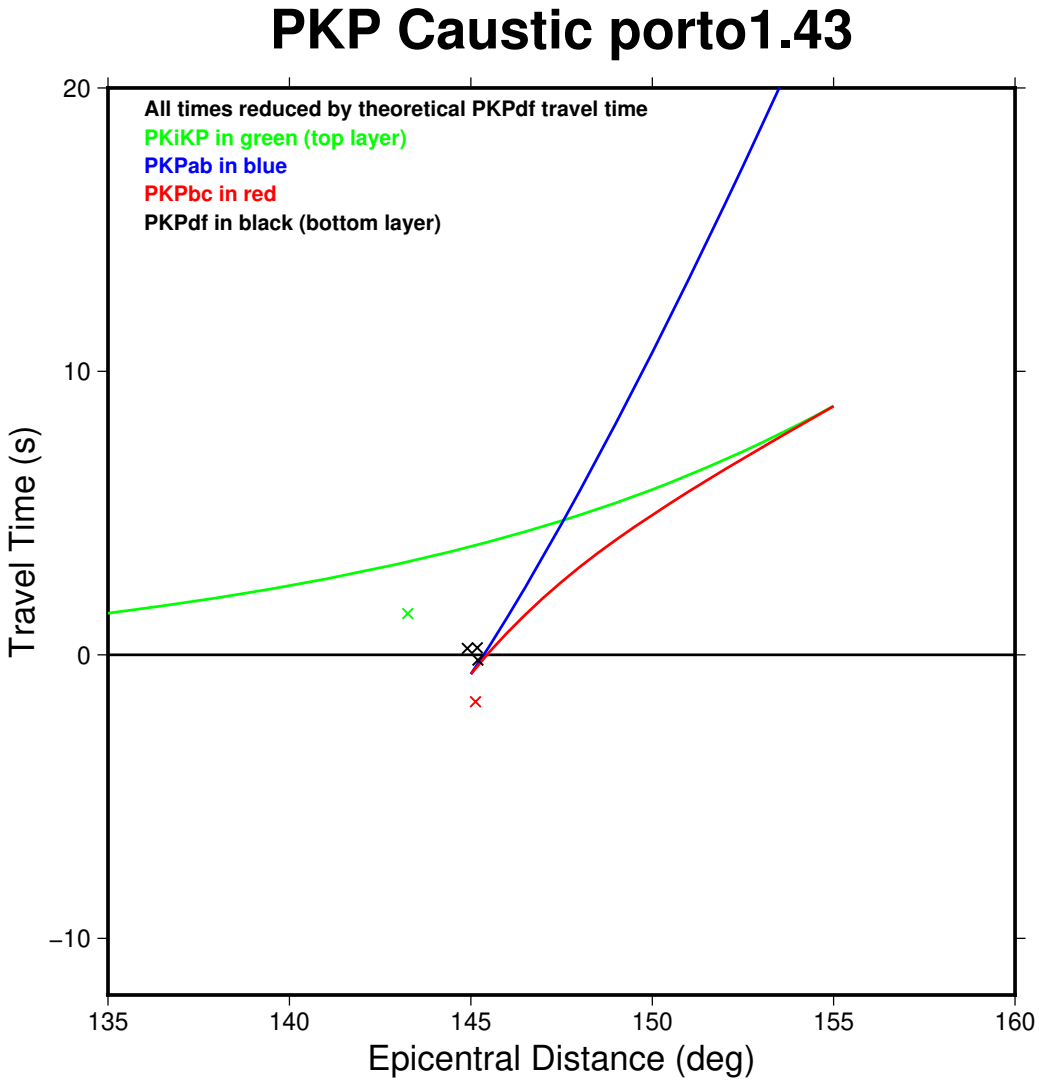


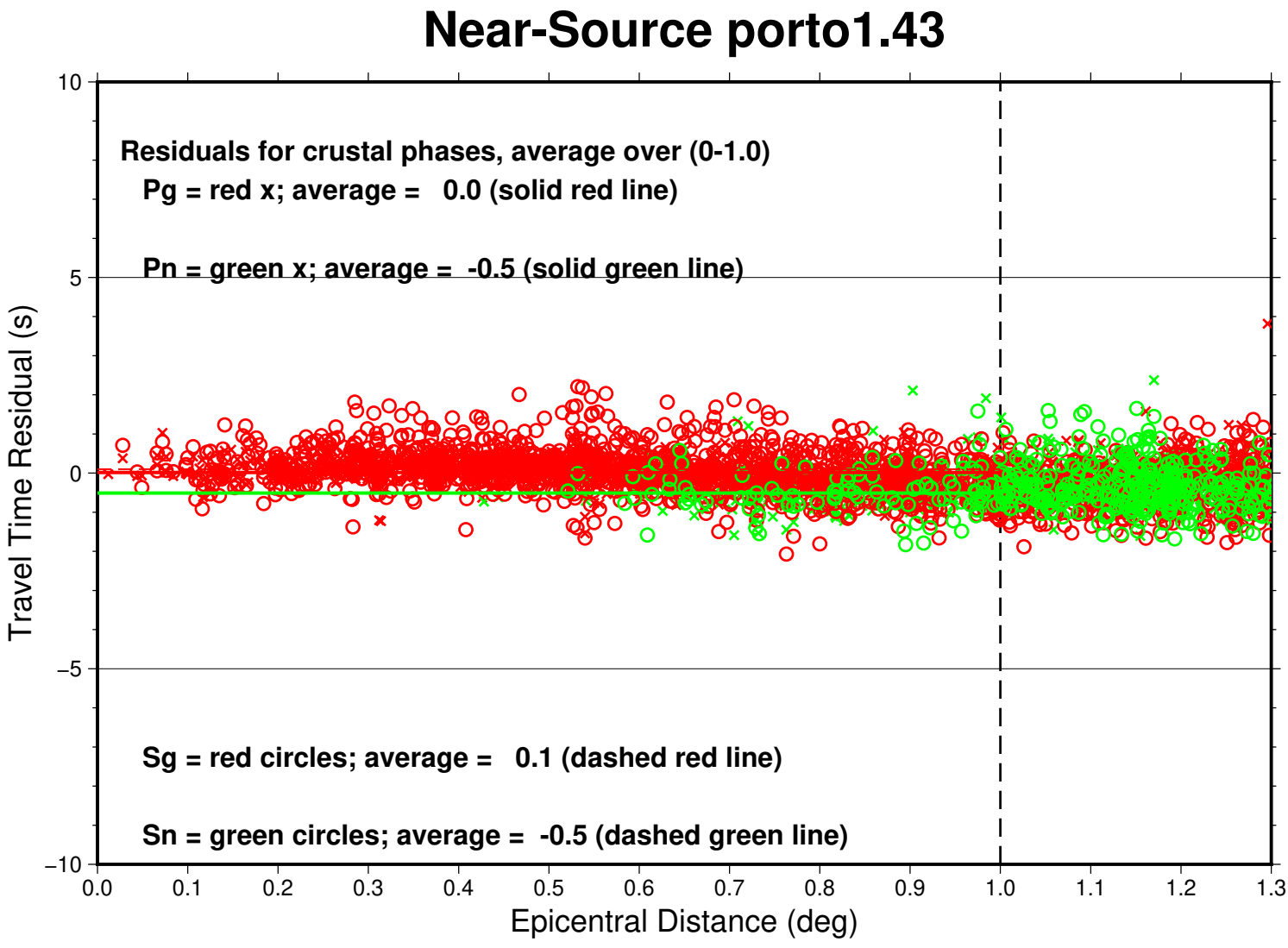

Focal Depths porto1.43
Median of constrained depths = 13.0
Spread of constrained depths = 6.0
Counts
20
10
0
0
25
Depth (km)

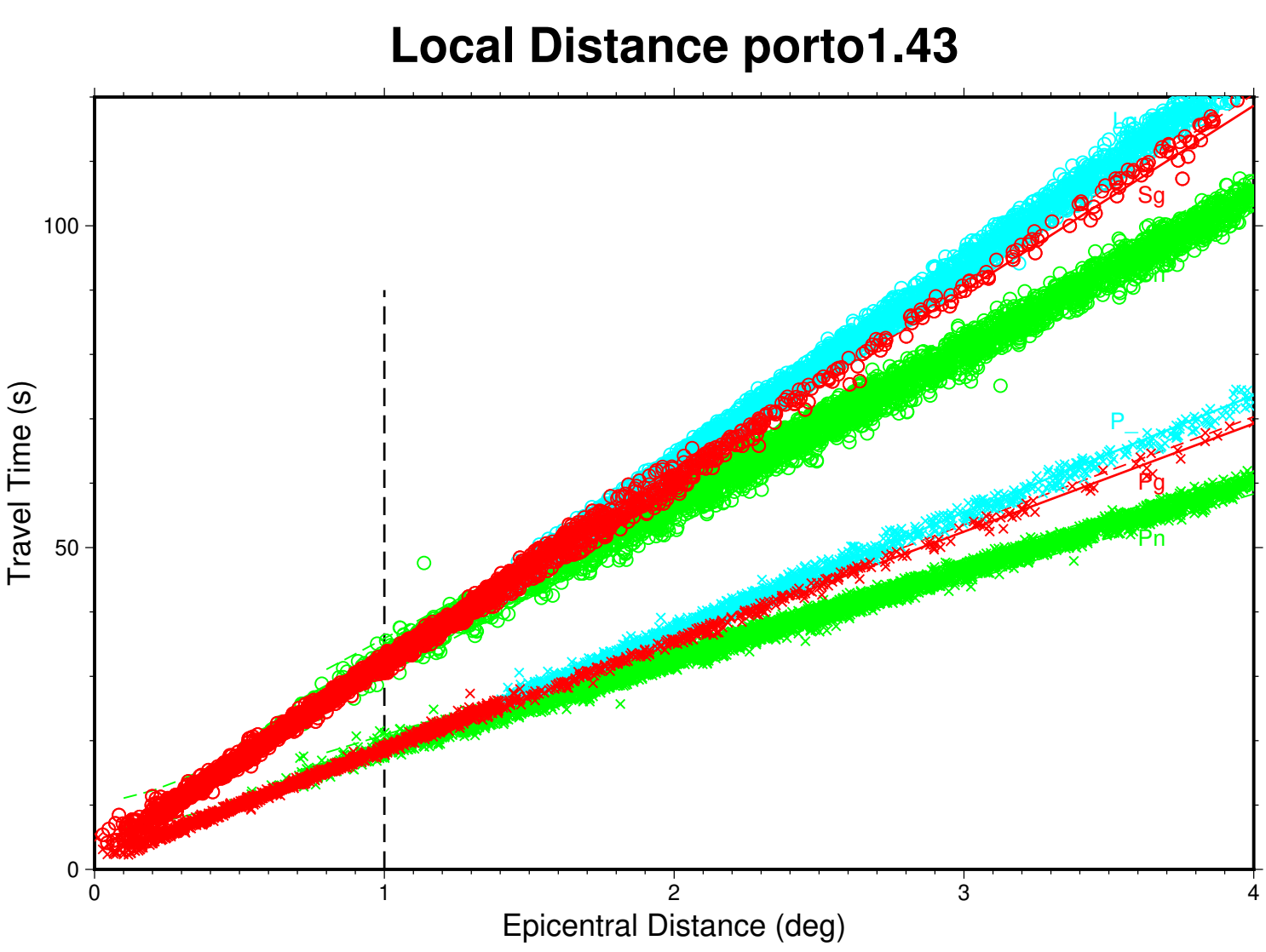

Summary Travel Times porto1.43
Travel Time (s)
Epicentral Distance (deg)
0
200
400
600
800
1000
1200
1400
0
30
60
90
120
150
180
P phases in red
S phases in green
Readings used for cluster vectors in black
Readings not used for cluster vectors in cyan

Teleseismic P porto1.43

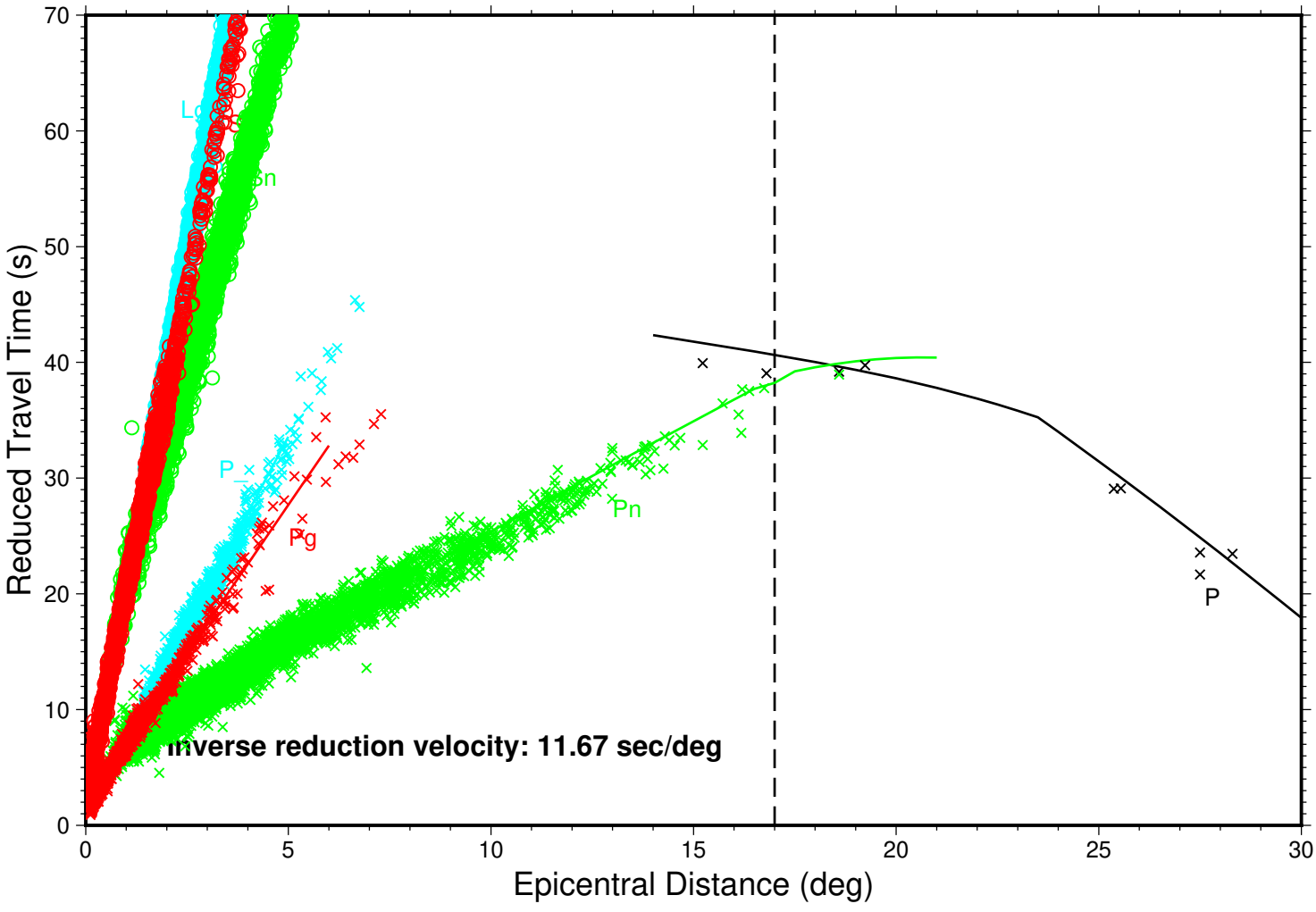


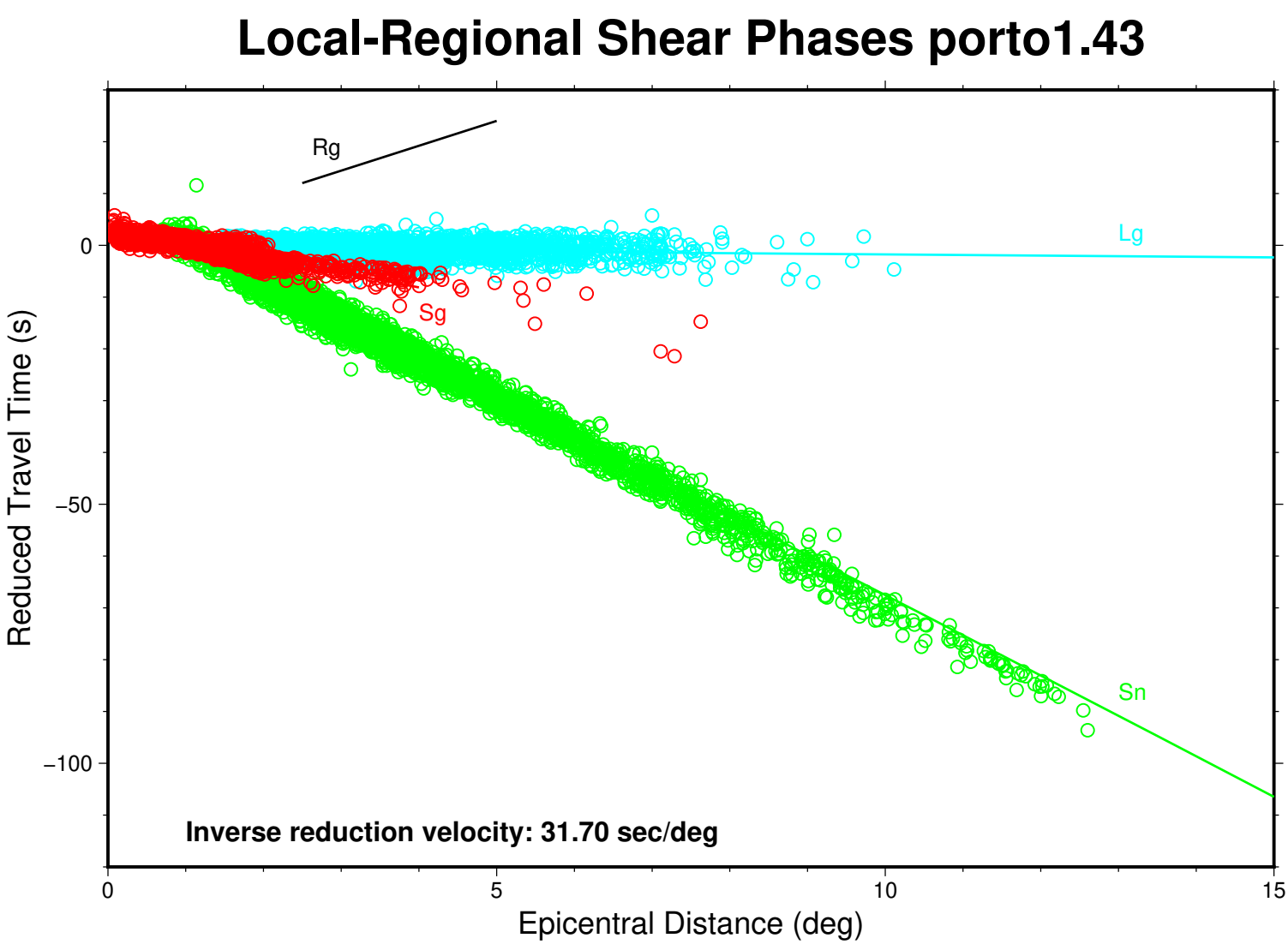

PKP Caustic porto1.43
All times reduced by theoretical PKPdf travel time
PKiKP in green (top layer)
PKPab in blue
PKPbc in red
PKPdf in black (bottom layer)
20
10
0
−10
Travel Time (s)
135
140
145
150
155
160
Epicentral Distance (deg)


Near-Source porto1.43
Residuals for crustal phases, average over (0-1.0)
Pg = red x; average = 0.0 (solid red line)
Pn = green x; average = -0.5 (solid green line)
Sg = red circles; average = 0.1 (dashed red line)
Sn = green circles; average = -0.5 (dashed green line)
Travel Time Residual (s)
Epicentral Distance (deg)
10
5
0
−5
−10
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3


Local Distance porto1.43
Travel Time (s)
Epicentral Distance (deg)
0
50
100
0
1
2
3
4
Sg
Pg
Pn

Local-Regional porto1.43




Local-Regional Shear Phases porto1.43
Rg
Lg
Sg
Sn
Inverse reduction velocity: 31.70 sec/deg
Reduced Travel Time (s)
0
−50
−100
0
5
10
15
Epicentral Distance (deg)