

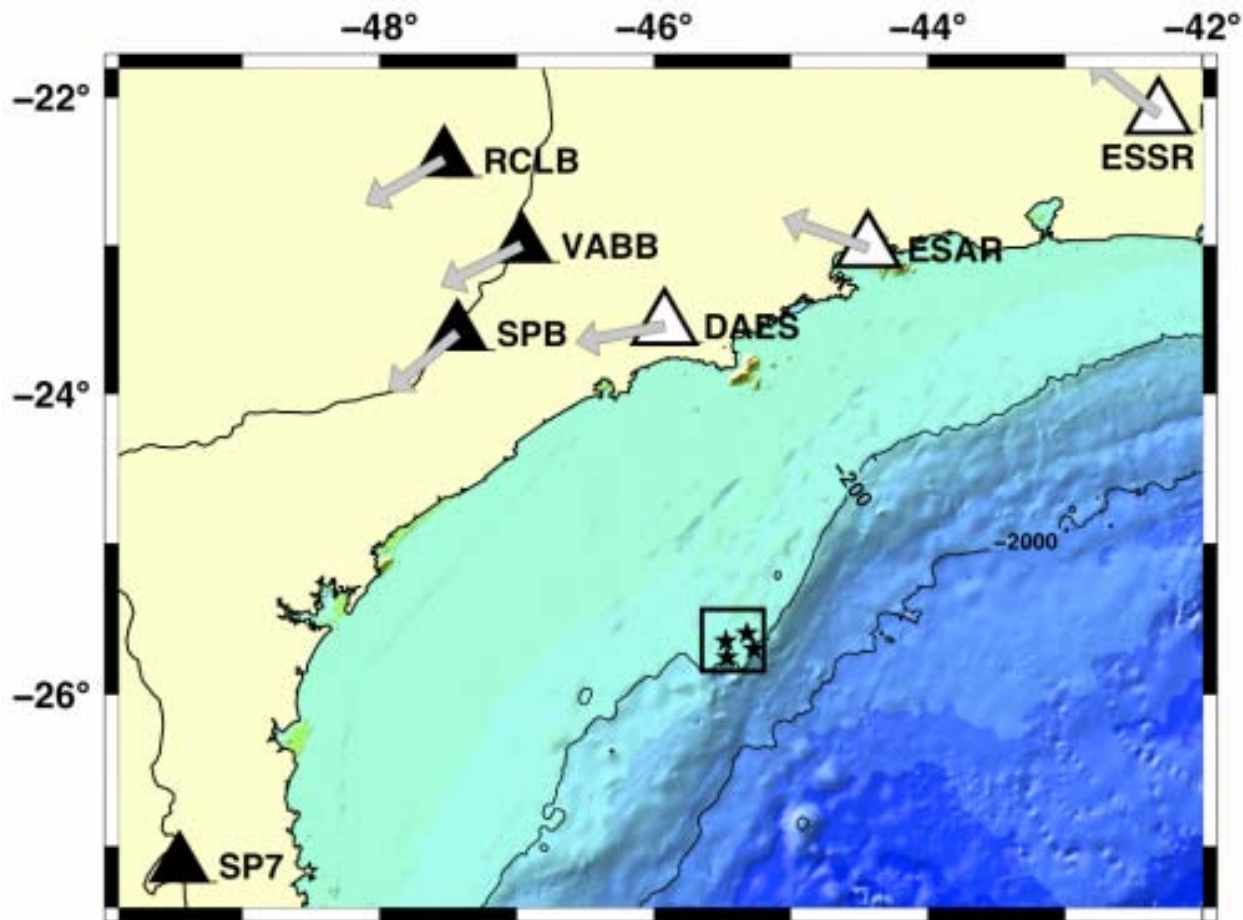
# Sao Vicente Earthquake

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310 – 422 km

Mag:4.7Mw

Depth:17km



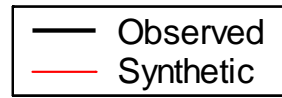
P Compressional (push)



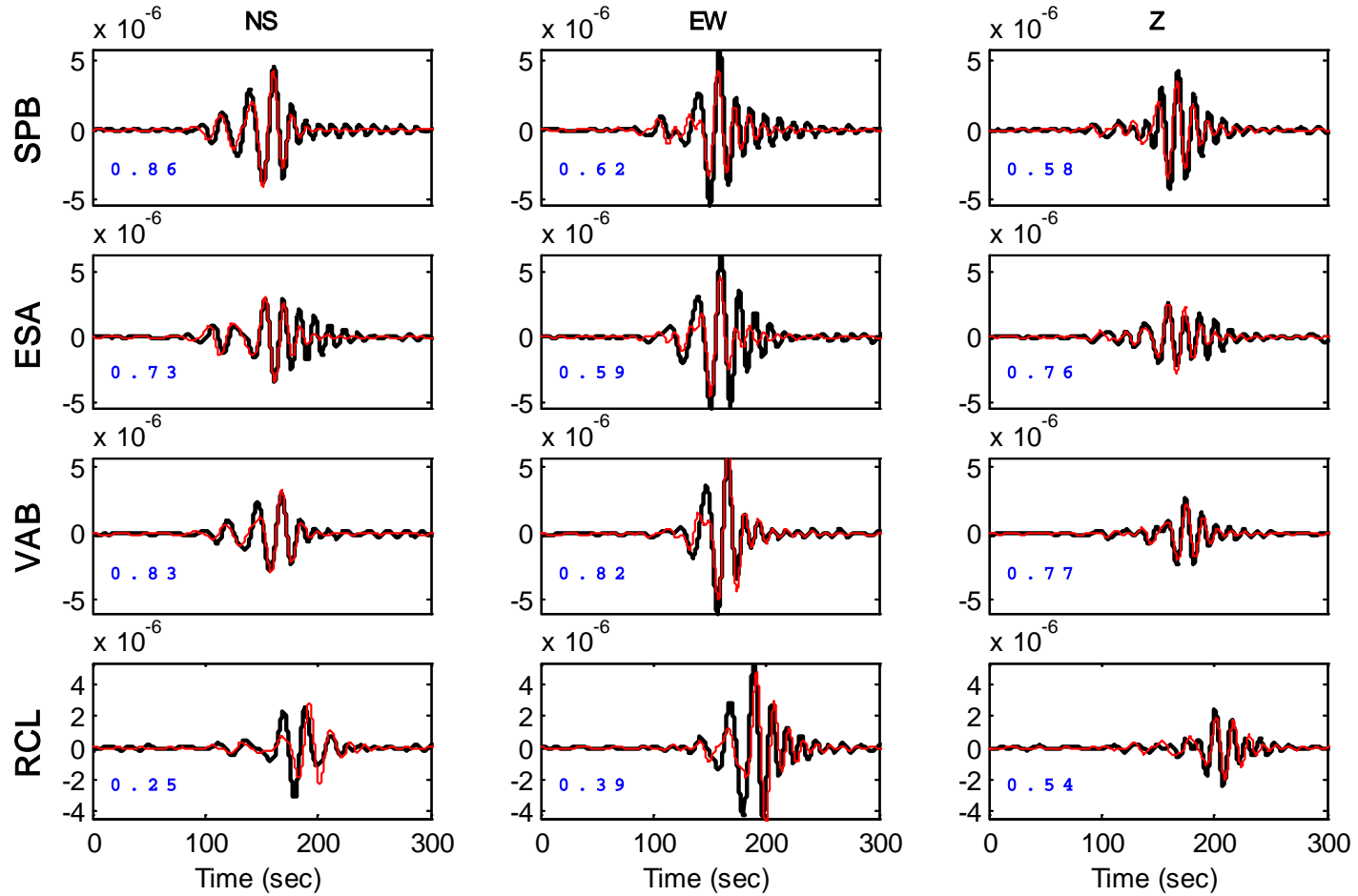
P Dilatational (pull)

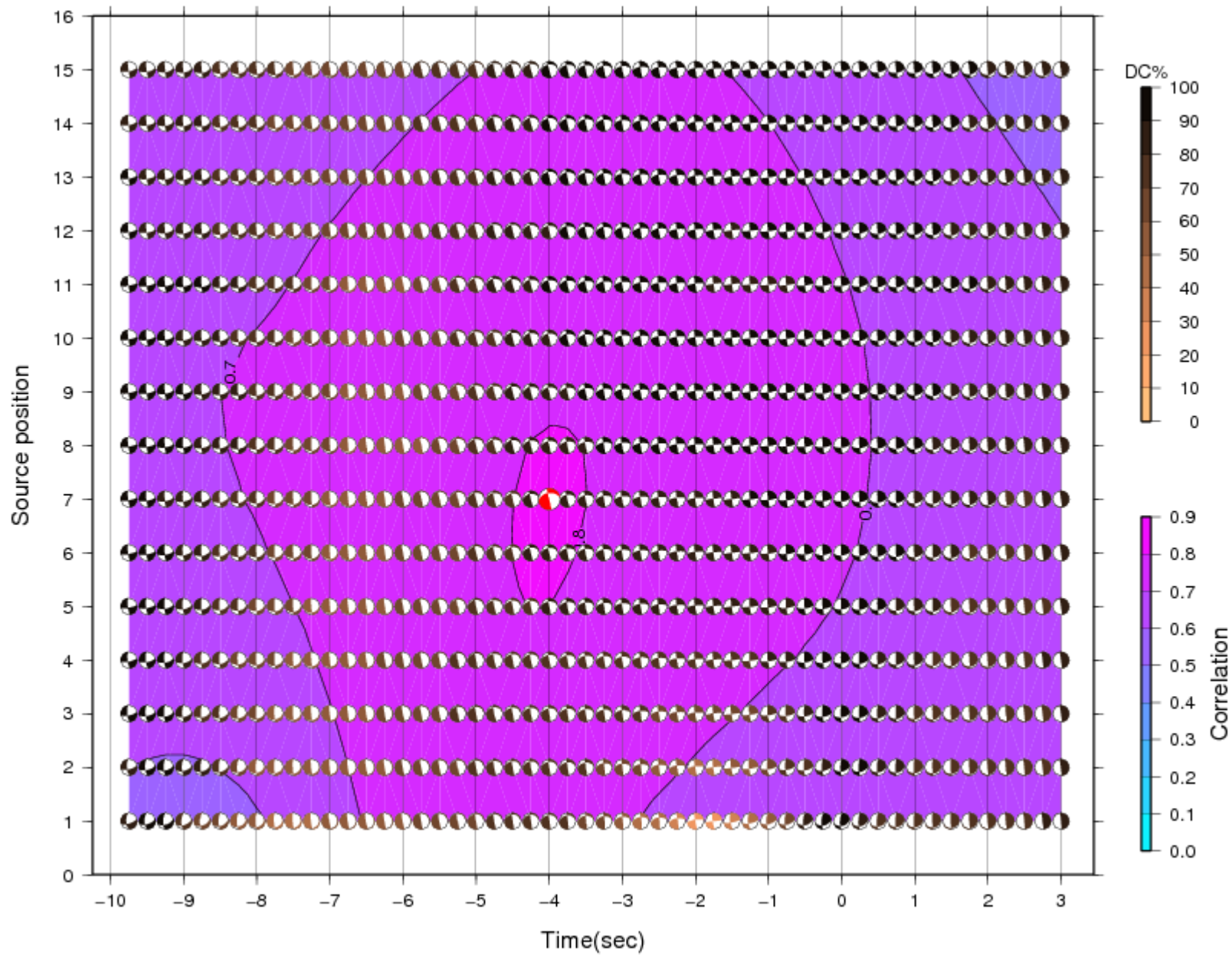
Even date-time: 20021204 12:04:29. Inversion band (Hz) 0.02 0.04 0.08 0.09

Gray waveforms weren't used in inversion

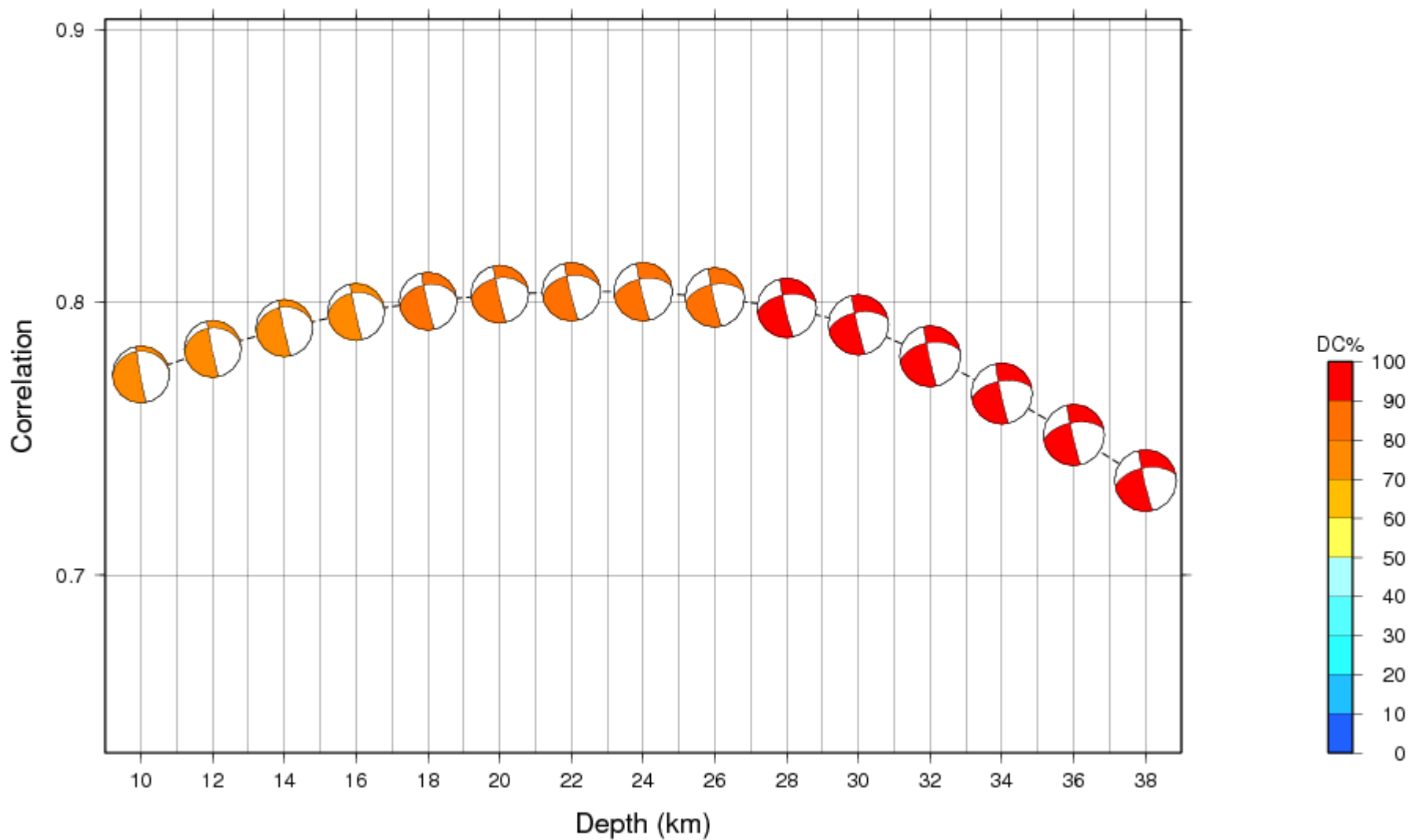


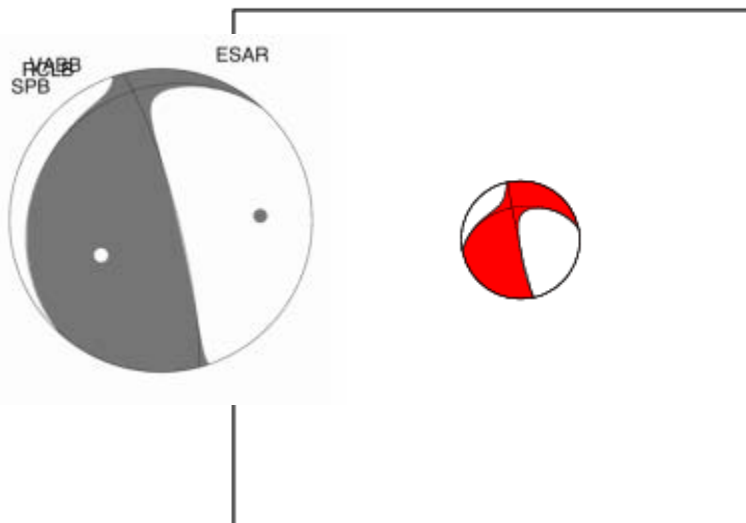
Blue numbers are variance reduction





### Correlation vs Depth Plot





## MOMENT TENSOR SOLUTION

### HYPOCENTER LOCATION (IAG-USP)

Origin time 20080423 0:0:48.02  
 Lat -25.6667 Lon -45.4167 Depth 17.5

### CENTROID

Trial source number : 7 (Fixed Epicenter inversion)  
 Centroid Lat -25.6667 Lon -45.4167  
 Centroid Depth : 22  
 Centroid time : -4 (sec) relative to origin time

Moment (Nm) : 9.716e+015

Mw : 4.6

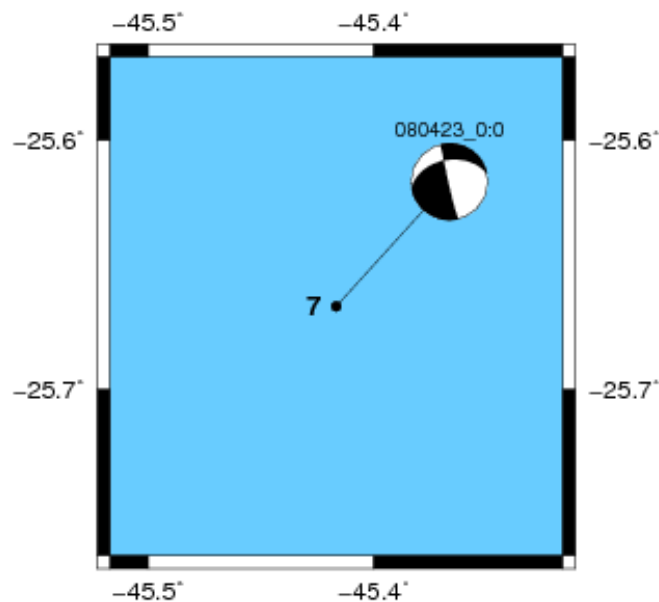
VOL% : 0

DC% : 83.6

CLVD% : 16.4

Var.red.(for stations used in inversion):0.64

Var.red.(for all stations) : 0.64



Strike	Dip	Rake	Station	NS	EW	Ver
260	43	-176	SPB	+	+	+
167	87	-47	esa	+	+	+
			vab	+	+	+
			rcl	+	+	+

P-axis Azimuth Plunge

113 33

T-axis Azimuth Plunge

224 29

Mr<sub>r</sub> M<sub>t</sub> M<sub>p</sub>  
 -0.478 3.079 -2.601

M<sub>r</sub>t M<sub>r</sub>p M<sub>t</sub>p  
 -0.646 7.073 -5.976

Exponent (Nm) : 15

