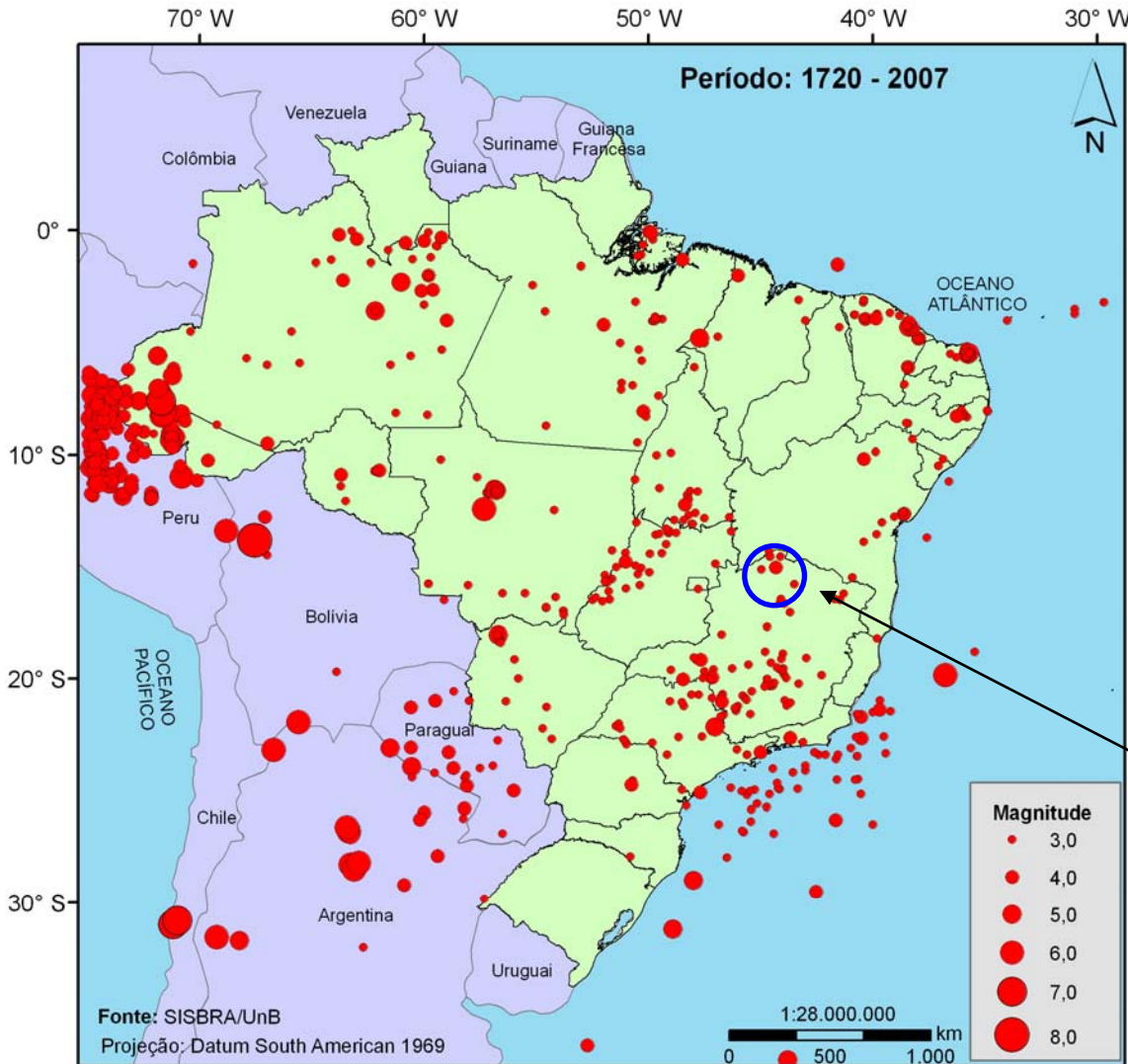


# Results - Caraíbas-Itacarambi Seismic Area, Brazil

Cristiano Chimpliganond



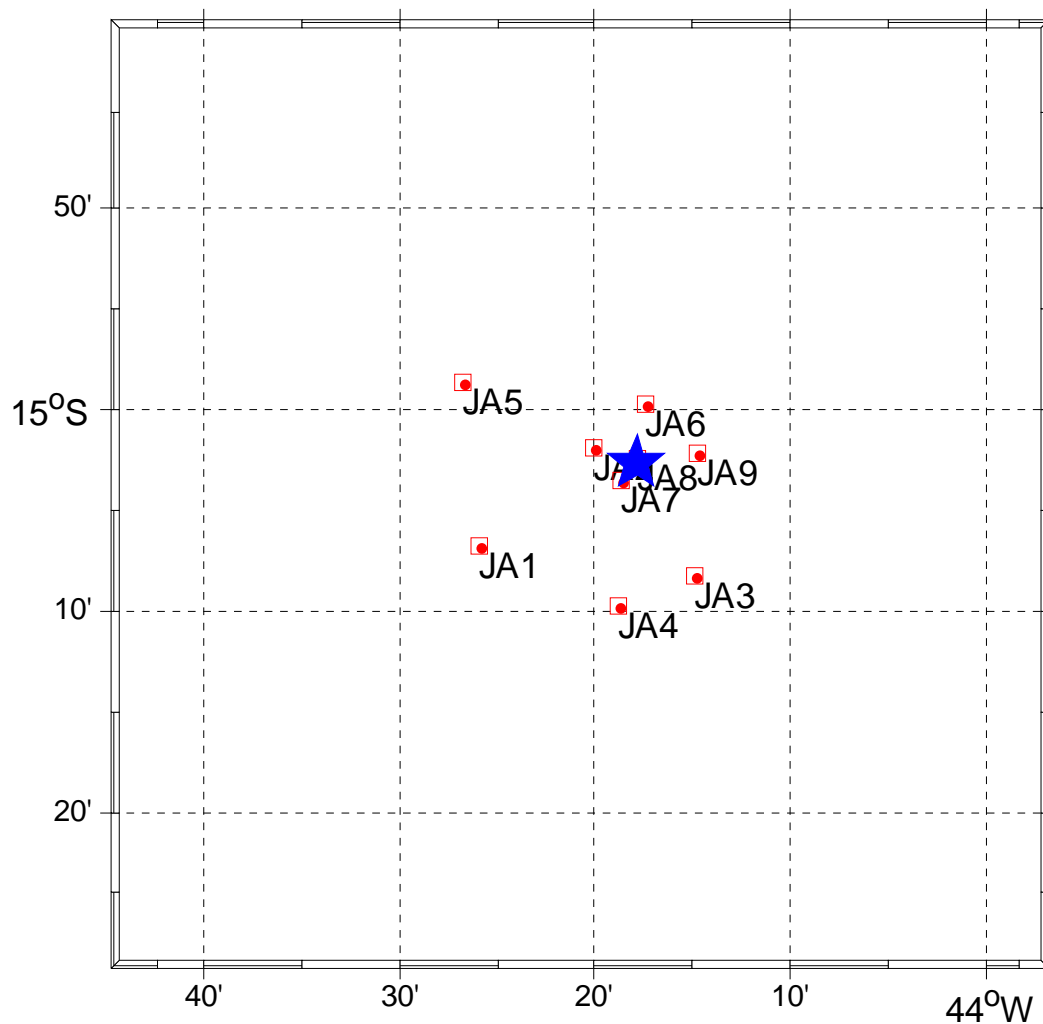
Middle of the  
São Francisco Craton

Northern part of  
Minas Gerais State

# Results

Event: March 02, 2008 - 01:54 (UTC) - mD= 2.3

Epicentral distances: 0.5 - 5.6 km



Event: March 02, 2008 - 01:54 (UTC) - mD= 2.3

Epicentral distances: 0.5 - 5.6 km

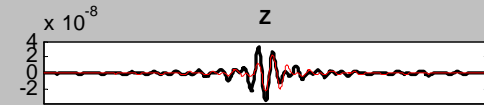
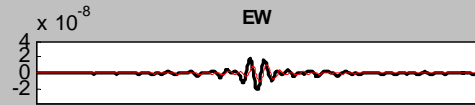
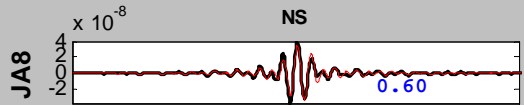
Even date-time: 20080302 1:54:18

Displacement (m). Inversion band (Hz) 1 1.1 1.9 2

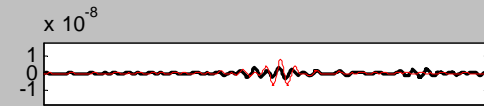
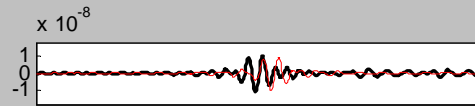
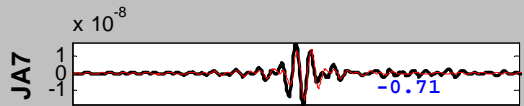
— Observed  
— Synthetic

Gray waveforms weren't used in inversion.  
Blue numbers are variance reduction

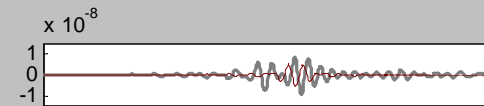
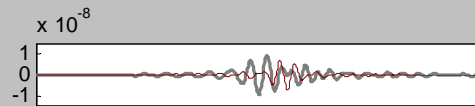
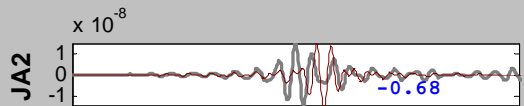
0.07



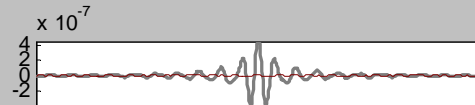
0.22



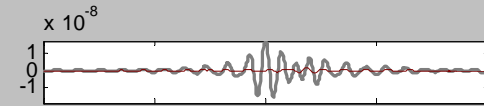
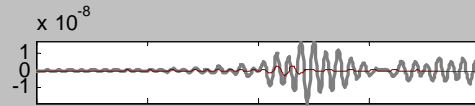
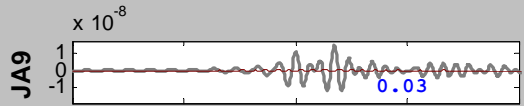
0.36



0.01

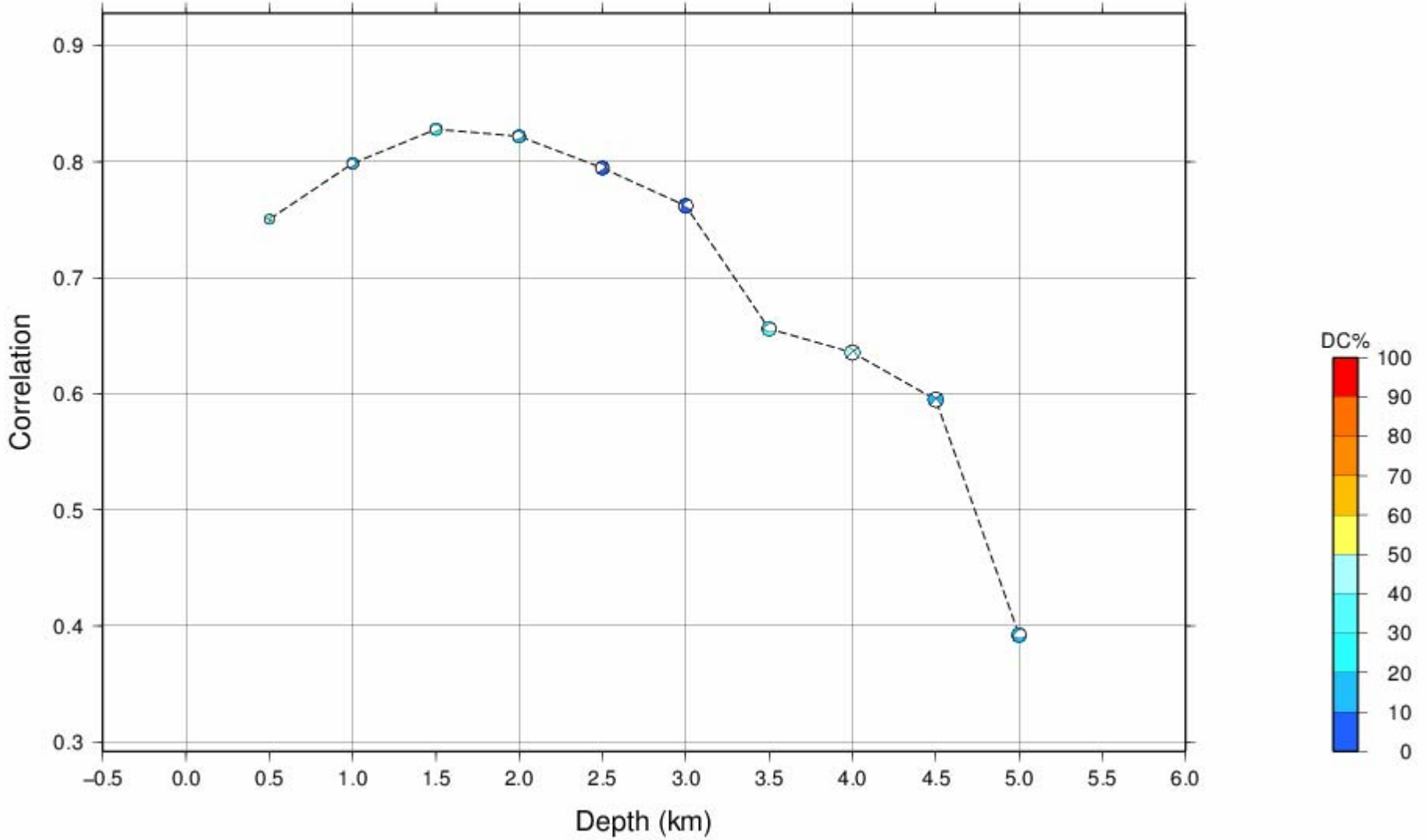


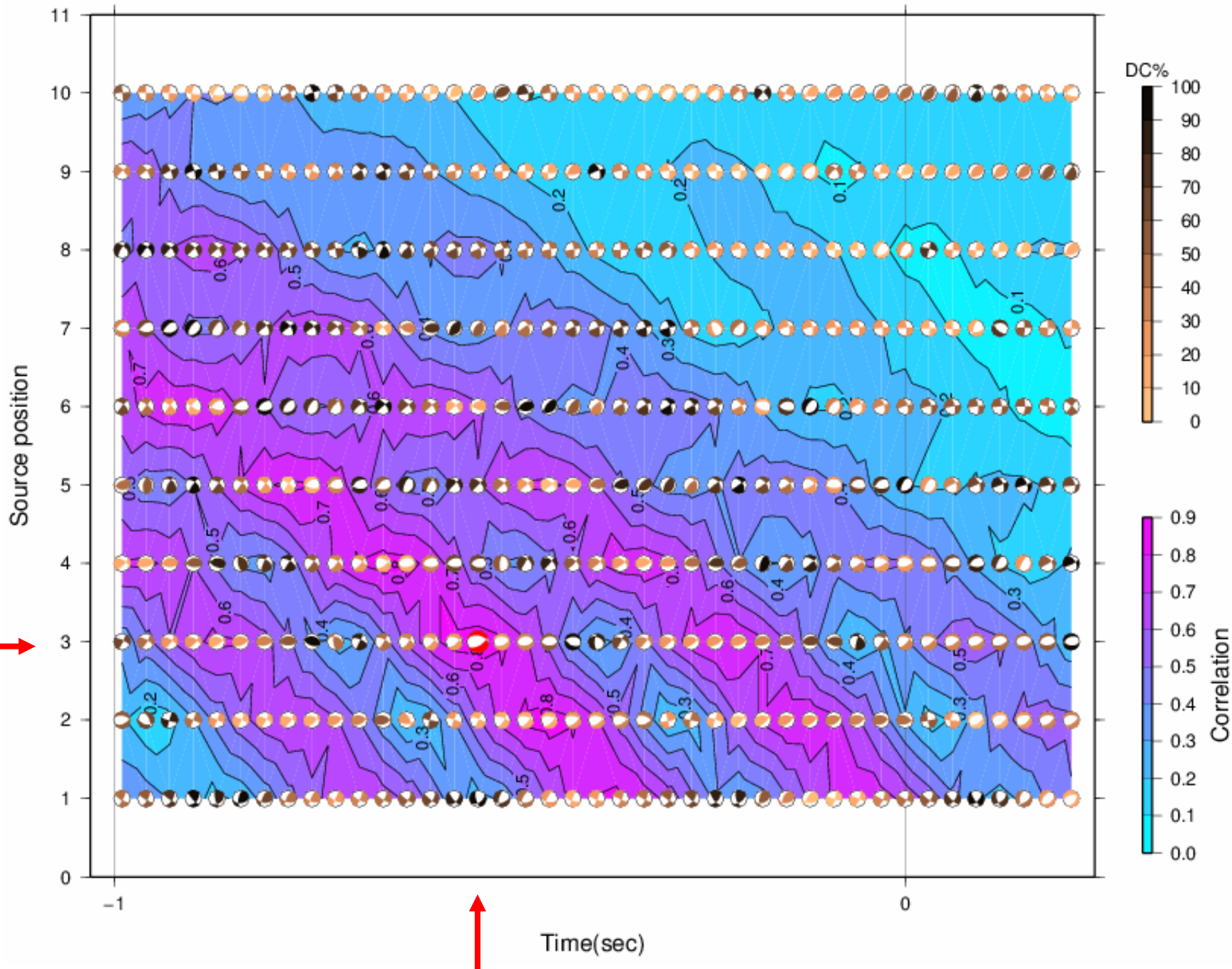
0.02

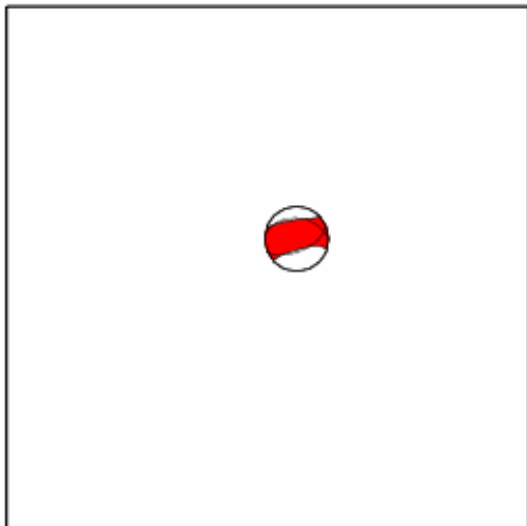


Frequency range: 1 - 2 Hz

Correlation vs Depth Plot







# MOMENT TENSOR SOLUTION

## HYPOCENTER LOCATION (SIS-UnB)

Origin time 20080302 1:54:18.00  
 Lat -15.0462 Lon -44.2967 Depth 0.77

## CENTROID

Trial source number : 3 (Fixed Epicenter inversion)  
 Centroid Lat -15.0462 Lon -44.2967  
 Centroid Depth : 1.5  
 Centroid time : -0.21 (sec) relative to origin time

Moment (Nm) : 3.828e+010

Mw : 0.99

VOL% : 0

DC% : 27.4

CLVD% : 72.6

Var.red.(for stations used in inversion):0.63

Var.red.(for all stations) :0.017

Strike	Dip	Rake	Station	NS	EW	Ver
66	58	73	JA8	+	+	+
276	36	114	JA7	+	+	+
P-axis Azimuth Plunge			JA2	-	-	-
	168	11	JA6	-	-	-
T-axis Azimuth Plunge			JA9	-	-	-
	296	72				

Mrr Mtt Mpp

2.430 -3.874 1.445

Mrt Mrp Mtp

1.291 0.553 -1.089

Exponent (Nm) : 10

