

Source	Parameters inverted (real)	Folder name	Comments <sup>1</sup>
Sphere <sup>2</sup>	4 (4)	mogi1NA	NA used
		mogi1BI	BI weights 1 for InSAR, 5 for GPS
		mogi2BI	BI weights 1 for InSAR, 1 for GPS
Sphere <sup>3</sup>	5 (5)	mctigue1NA	NA used
		mctigue1BI	BI used
	4 (5)	mctigue2NA	NA used. Radius = 800 m
		mctigue2BI	BI used. Radius = 800 m
Penny-shaped crack <sup>4</sup>	5 (5)	sill1NA	NA used
		sill1BI	BI used
	4 (5)	sill2NA	NA used. Radius = 1000 m
		sill2BI	BI used. Radius = 1000 m
Spheroid <sup>5</sup>	7 (8)	yang1NA	NA used. Ratio = 0.3
		yang1BI	BI used. Ratio = 0.3
Moment Tensor <sup>6</sup>	6 (9)	momten1NA	NA used. Off-diagonal tensor components fixed at 0
		momten1BI	BI used. Off-diagonal tensor components fixed at 0
	9 (9)	momten2NA	NA used
		momten2BI	BI used
	7 (9)	momten3NA	NA used. Source center fixed at East = 426200 m, North = 4518800 m
		momten3BI	BI used. Source center fixed <sup>8</sup> at East = 426200 m, North = 4518800 m
Dislocation <sup>7</sup>	5 (10)	dislo1NA	NA used. Width = 1800 m; strike = 90°; dip = 0.1°; strike & dip slip = 0°

		dislo1BI	BI used. Width = 1800 m; strike = 90°; dip = 0.1°; strike & dip slip = 0°
	7 (10)	dislo2NA	NA used. Strike = 90°; strike & dip slip = 0°
		dislo2BI	BI used. Strike = 90°; strike & dip slip = 0°

<sup>1</sup>If not specified, weights between InSAR and GPS data are 1:1 for NA, and 1:5 for BI. <sup>2</sup>Mogi

(1958), <sup>3</sup>McTigue (1987), <sup>4</sup>Fialko et al. (2001), <sup>5</sup>Yang et al. (1988), <sup>6</sup>Davis (1986), <sup>7</sup>Okada (1985).