Table 5. Fault parameters for geodetically determined models from non-linear inversion of GPS and leveling data

	Model	Length along strike (km)	Depth to bottom (km)	Width along dip (km)	Dip (° SW)	Azimuth (°)	Lat.*	Lon.*	Dip-slip (m/yr)	±	Strike-slip (m/yr)	±	Opening (m/yr)	±	WRSS	WRSS (GPS)	WRSS (Level)	misfit**
Null model									0.000	0.000	0.000	0.000	0.000	0.000	2241	1761	480	3.26
1-fault models	Down-dip of "LP flt."	53.96	*17.82*	*3*	**70**	**132**	*37.03*	*-121.90*	0.107	0.012	-0.211	0.024	none		2030	1531	499	3.12
	"Loma Prieta fault"	*45.00*	*16.80*	*12.55*	**70**	**132**	*37.00*	-121.83	0.008	0.002	-0.047	0.003	none		1970	1510	460	3.07
	"unconstrained"	92.24	90.29	*150*	36	132.90	36.13	-122.60	0.017	0.001	-0.013	0.001			1537	1057	480	2.71
Collapse models	"Loma Prieta fault" with fault zone collapse	38.03	*16.80*	*12.55*	**70**	**132**	*37.00*	-121.83	0.018	0.002	-0.048	0.003	-0.027	0.001	1595	1157	438	2.77
	LP collapse	28.14	14.44	10.04	**70**	**132**	*37.02*	*-121.86*	none		none		-0.035	0.002	1517	1079	438	2.70
	and creep below	47.39	*20.69*	*5.10*	**70**	**132**	*37.01*	*-121.88*	0.137	0.010	-0.134	0.020	none					
2-fault model	"Loma Prieta fault"	53.82	15.57	*15.00*	70	*130.00*	36.96	-121.78	0.017	0.001	-0.018	0.001	none		1310	966	343	2.52
	Shallow thrust	61.40	6.11	8.99	*30*	*132.00*	37.04	-121.85	0.025	0.001	0.002	0.001	none					

bold tightly constrained
italics hit constraint
* Coordinate of center of bottom fault edge
** SQRT(WRSS/(n-p))