

# simplex version 4.0 input file format

(G. Lyzenga 1/15/99)

# of faults

2 ← this parameter is fixed

1	0	-4.5	x location
2	0	6.0	y location
3	0	15.0	strike
4	1	30.0	dip
5	1	10.0	depth
6	0	8.0	width
7	0	25.0	length
8	1	350.0	strike slip
9	1	750.0	dip slip

(1st fault)

1	0	16.5
2	0	-4.0
3	0	85.0
4	0	90.0
5	1	10.0
6	0	8.0
7	0	50.0
8	1	150.0
9	0	0.0

(2nd fault)

this parameter is free to vary

starting "temperature"

10 ← # of data points in data set

0.0 ← max # of iterations

800 ← obsolete parameter (not used)

15 ← obsolete parameter (not used)

minus denotes reference site

-1	-16.3	44.2	0.000	.002
-2	-16.3	44.2	0.000	.002
-3	-16.3	44.2	0.000	.002
1	7.8	-9.0	1.735	.002
1	-10.7	84.6	-0.441	.002
1	0.8	13.8	0.067	.002
2	7.8	-9.0	3.663	.003
2	-10.7	84.6	1.921	.003
2	0.8	13.8	-2.060	.003
3	7.8	-9.0	-3.002	.007
7	9.5	-6.1	-3.002	.007

(data set)

east → 1

north → 2

vertical → 3

SAR L.O.S → 7

location east → 1

location north → 2

value → -3.002

uncertainty → .007

SAR elev. and azimuth (type 7 only) → 47.0 105.0

- observation types:
- 1 displacement east
  - 2 displacement north
  - 3 displacement up
  - 4 strain  $\epsilon_{ee}$
  - 5 strain  $\epsilon_{en}$
  - 6 strain  $\epsilon_{nn}$
  - 7 line-of-sight displacement