

601413

UNIVERSITY OF UTAH RESEARCH INSTITUTE

# UURI

EARTH SCIENCE LABORATORY  
420 CHIPETA WAY, SUITE 120  
SALT LAKE CITY, UTAH 84108  
TELEPHONE 801-581-5283

## MEMORANDUM

December 15, 1980

TO: Ted Glenn  
FROM: Claron E. Mackelprang  
SUBJECT: Waste Storage--Gravity Models

As per your request, I have computed gravity models using the parameters you specified and the GRAVZD program. The computed anomaly is only 1.06 gravity units between the maximum and minimum values due to the effect of the fault. Away from the fault trace, the gravity anomaly due to the difference in depth of burial is only about 0.4 gravity units. The model and computer output are shown as Fig. 1.

A bonus is included for general information. Figure 2 shows the same model only with the two layers combined into one and the density contrast changed to the average. No change in either amplitude or anomaly shape is apparent. Obviously, drilling information would be required to resolve the number of layers as well as their thickness.

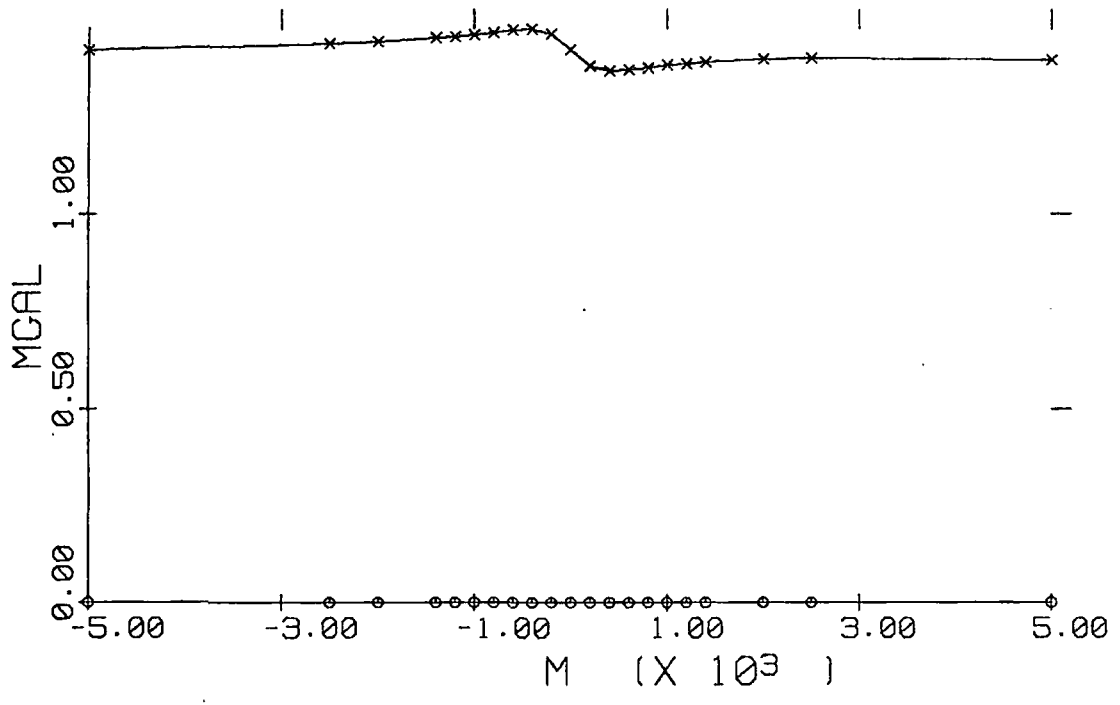
Conclusions are that the fault is not distinguishable in the real world due to ambiguities in density contrast, terrain effects, etc. An anomaly of the size generated by your model could easily be hidden in the geologic "noise."

---

CM:jr

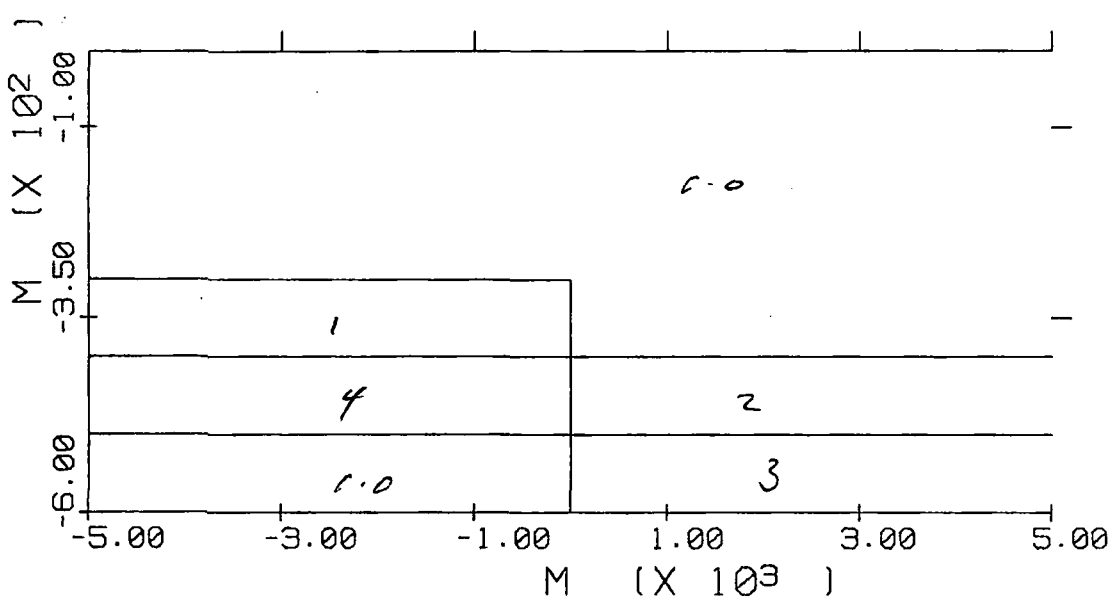
etch pt.  
 star 2

SSR=42.49



ORIGINAL = ○  
 NEW = ×

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



RUN 1

WORK FILE HEADER:

DUM DUM

DATE: 12/08/80 14:28

THE TOTAL SUM OF SQUARES IS 42.492

\* STATION DATA \*

RUN 1

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 0

THE TOTAL SUM OF SQUARES IS 42.492

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	1.423	0.000	-1.423
2	-2500.000	0.000	1.441	0.000	-1.441
3	-2000.000	0.000	1.445	0.000	-1.445
4	-1400.000	0.000	1.454	0.000	-1.454
5	-1200.000	0.000	1.458	0.000	-1.458
6	-1000.000	0.000	1.463	0.000	-1.463
7	-800.000	0.000	1.469	0.000	-1.469
8	-600.000	0.000	1.475	0.000	-1.475
9	-400.000	0.000	1.477	0.000	-1.477
10	-200.000	0.000	1.465	0.000	-1.465
11	0.000	0.000	1.424	0.000	-1.424
12	200.000	0.000	1.383	0.000	-1.383
13	400.000	0.000	1.371	0.000	-1.371
14	600.000	0.000	1.373	0.000	-1.373
15	800.000	0.000	1.379	0.000	-1.379
16	1000.000	0.000	1.384	0.000	-1.384
17	1200.000	0.000	1.389	0.000	-1.389
18	1400.000	0.000	1.392	0.000	-1.392
19	2000.000	0.000	1.399	0.000	-1.399
20	2500.000	0.000	1.402	0.000	-1.402
21	5000.000	0.000	1.398	0.000	-1.398

1.44

1.40

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

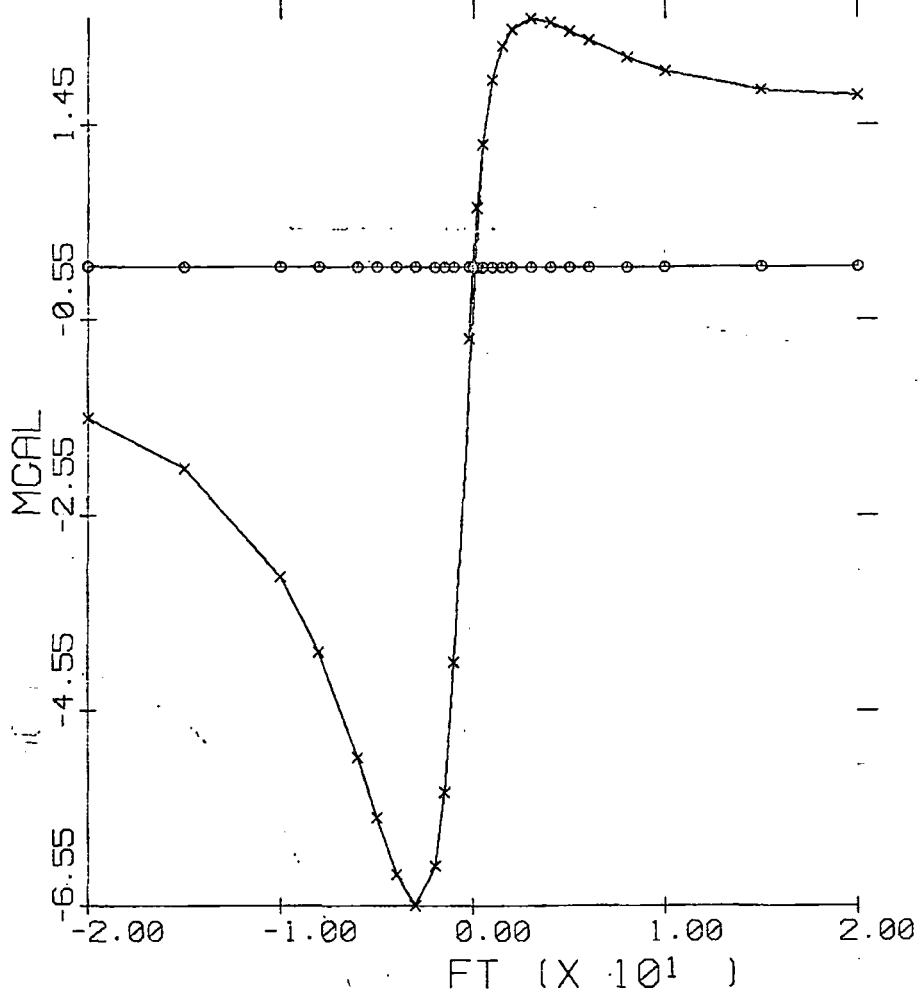
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

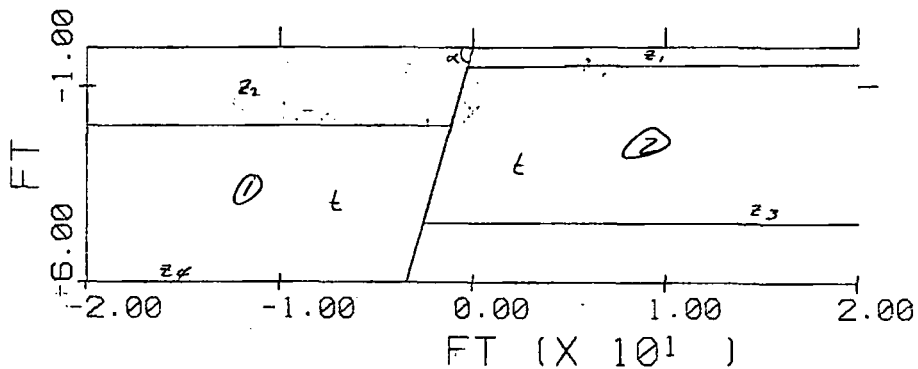
SSR=312.67



IC-TUS 1 OF 1

PLOT DATE 12/09/80  
 PLOT TIME 14: 0: 1  
 NO. OF VECT. 1563  
 NO. OF INCH. 399.  
 X INCHES 8.70  
 Y INCHES 13.75  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

ORIGINAL = ○  
 NEW = ×



NORMAL FAULT AFTER

POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000
21 - 570'	
22 - 2000'	
23 - 4500'	
24 - 6000'	
t - 4000'	
$\alpha = 60^\circ$	

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/09/80 13:59

THE TOTAL SUM OF SQUARES IS 312.668

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2. 31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 312.668

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-1.561	0.000	1.561
2	-15.000	0.000	-2.078	0.000	2.078
3	-10.000	0.000	-3.175	0.000	3.175
4	-8.000	0.000	-3.956	0.000	3.956
5	-6.000	0.000	-5.033	0.000	5.033
6	-5.000	0.000	-5.655	0.000	5.655
7	-4.000	0.000	-6.233	0.000	6.233
8	-3.000	0.000	-6.555	0.000	6.555
9	-2.000	0.000	-6.149	0.000	6.149
10	-1.500	0.000	-5.395	0.000	5.395
11	-1.000	0.000	-4.056	0.000	4.056
12	0.500	0.000	1.259	0.000	-1.259
13	-0.200	0.000	-0.749	0.000	0.749
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.601	0.000	-0.601
16	0.500	0.000	1.259	0.000	-1.259
17	1.000	0.000	1.918	0.000	-1.918
18	1.500	0.000	2.262	0.000	-2.262
19	2.000	0.000	2.438	0.000	-2.438
20	3.000	0.000	2.541	0.000	-2.541
21	4.000	0.000	2.503	0.000	-2.503
22	5.000	0.000	2.418	0.000	-2.418
23	6.000	0.000	2.322	0.000	-2.322
24	8.000	0.000	2.144	0.000	-2.144
25	10.000	0.000	2.004	0.000	-2.004
26	15.000	0.000	1.806	0.000	-1.806
27	20.000	0.000	1.743	0.000	-1.743

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	2.000	0	0
-1.155	2.000	0	0
-3.464	6.000	0	0
-100.000	6.000	0	0
-100.000	2.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-0.289	0.500	0	0
100.000	0.200	0	0
100.000	4.500	0	0

-2.598	4.500	0	0
-0.289	0.500	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

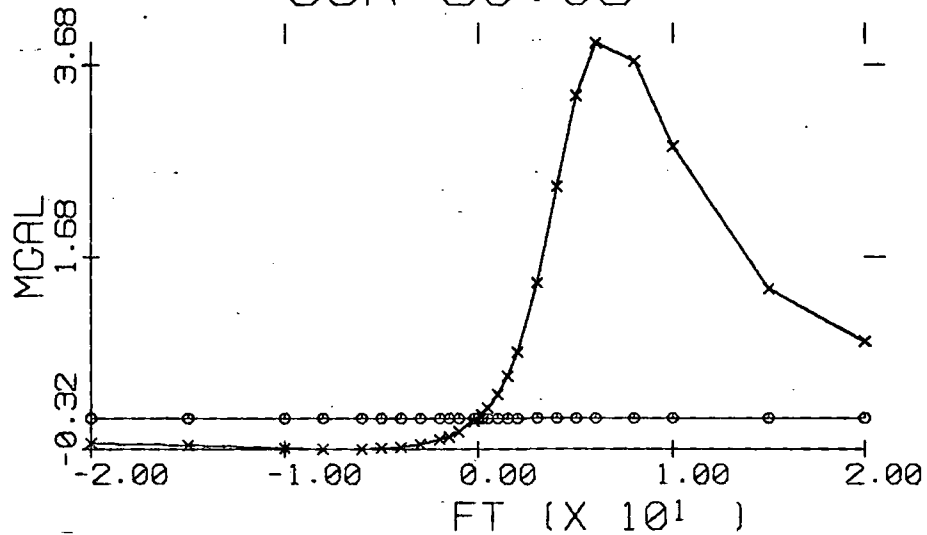
HORIZONTAL SCALE (UNITS/INCH) = 10.0000  
VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 2.0000  
VERTICAL SCALE FOR MODEL (UNITS/INCH) = 5.0000



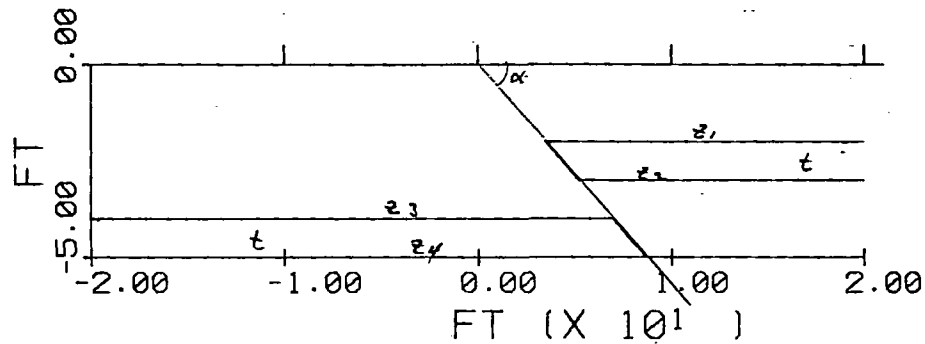
IC-TUS 3 OF 3

PLOT DATE 12/09/80  
 PLOT TIME 14:17:37  
 NO. OF VECT. 1528  
 NO. OF INCH. 318.  
 X INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

SSR=60.09



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5200'$   
 $\alpha - 30^\circ$   
 $t - 1000'$

~~REVERSE~~  
 NORMAL FAULT AFTER TELFORD P

6 FIG. 2.31

WORK FILE HEADER:  
GRAVITY MODEL

DATE: 12/09/80 14:16  
THE TOTAL SUM OF SQUARES IS 60.092

\* STATION DATA \*

~~REVERSE~~ FAULT AFTER TELFORD P. 76 FIG. 2. 31

UNITS OF DISTANCE IS KILOFT  
STATION # OR MATCH PT IS 14  
THE TOTAL SUM OF SQUARES IS 60.092

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.265	0.000	0.265
2	-15.000	0.000	-0.289	0.000	0.289
3	-10.000	0.000	-0.317	0.000	0.317
4	-8.000	0.000	-0.325	0.000	0.325
5	-6.000	0.000	-0.325	0.000	0.325
6	-5.000	0.000	-0.318	0.000	0.318
7	-4.000	0.000	-0.303	0.000	0.303
8	-3.000	0.000	-0.275	0.000	0.275
9	-2.000	0.000	-0.227	0.000	0.227
10	-1.500	0.000	-0.191	0.000	0.191
11	-1.000	0.000	-0.143	0.000	0.143
12	0.500	0.000	0.107	0.000	-0.107
13	-0.200	0.000	-0.035	0.000	0.035
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.039	0.000	-0.039
16	0.500	0.000	0.107	0.000	-0.107
17	1.000	0.000	0.249	0.000	-0.249
18	1.500	0.000	0.436	0.000	-0.436
19	2.000	0.000	0.683	0.000	-0.683
20	3.000	0.000	1.407	0.000	-1.407
21	4.000	0.000	2.404	0.000	-2.404
22	5.000	0.000	3.353	0.000	-3.353
23	6.000	0.000	3.902	0.000	-3.902
24	8.000	0.000	3.720	0.000	-3.720
25	10.000	0.000	2.829	0.000	-2.829
26	15.000	0.000	1.342	0.000	-1.342
27	20.000	0.000	0.800	0.000	-0.800

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
6.928	4.000	0	0
8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

5.196	3.000	0	0
3.464	2.000	0	0

\* SEARCH DATA \*

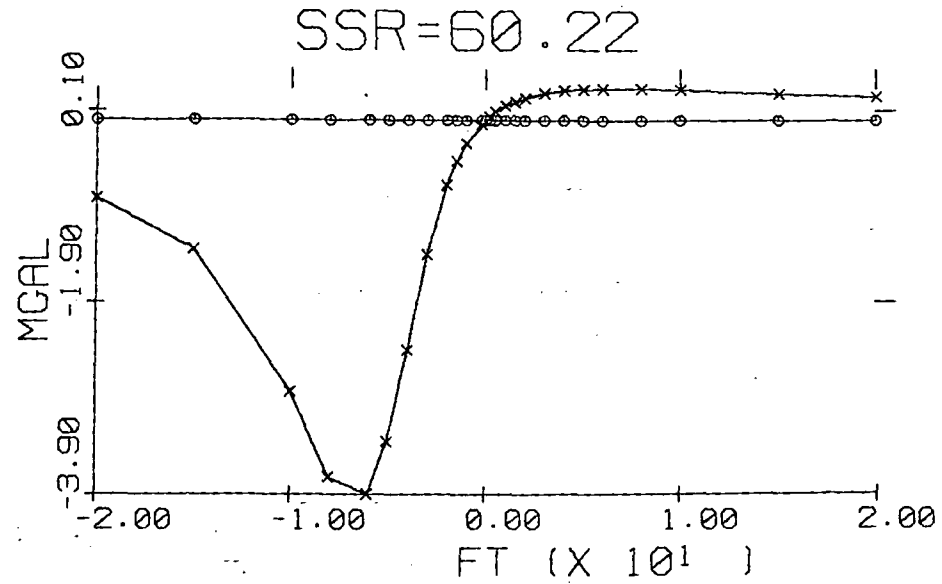
NO. OF ITERATIONS FOR INVERSION IS 0  
TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

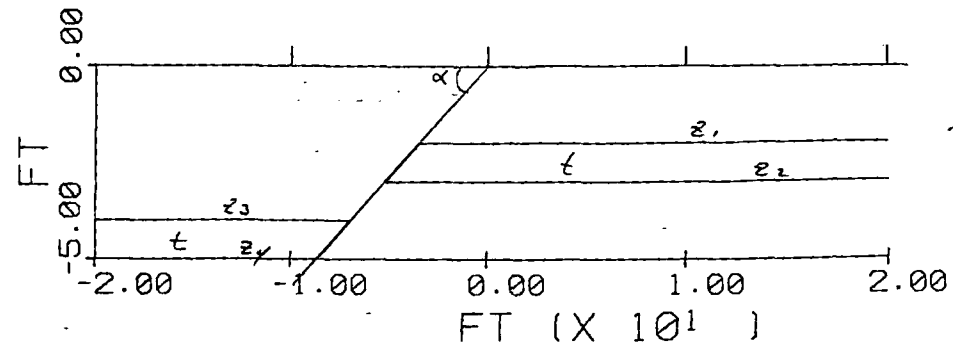
HORIZONTAL SCALE (UNITS/INCH) = 10.0000  
VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 2.0000  
VERTICAL SCALE FOR MODEL (UNITS/INCH) = 5.0000


IC-TUS 1 OF 3

PLOT DATE 12/09/80  
 PLOT TIME 14:10:7  
 NO. OF VECT. 1508  
 NO. OF INCH. 318.  
 X-INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000
$z_1$	2000'
$z_2$	3000'
$z_3$	4000'
$z_4$	5000'
$\alpha$	30°
$t$	1000'

NORMAL FAULT AFTER TELFORD P.76 F

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/09/80 14: 7

THE TOTAL SUM OF SQUARES IS 60.221

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.221

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.823	0.000	0.823
2	-15.000	0.000	-1.355	0.000	1.355
3	-10.000	0.000	-2.835	0.000	2.835
4	-8.000	0.000	-3.723	0.000	3.723
5	-6.000	0.000	-3.904	0.000	3.904
6	-5.000	0.000	-3.354	0.000	3.354
7	-4.000	0.000	-2.405	0.000	2.405
8	-3.000	0.000	-1.408	0.000	1.408
9	-2.000	0.000	-0.684	0.000	0.684
10	-1.500	0.000	-0.436	0.000	0.436
11	-1.000	0.000	-0.249	0.000	0.249
12	0.500	0.000	0.081	0.000	-0.081
13	-0.200	0.000	-0.039	0.000	0.039
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.035	0.000	-0.035
16	0.500	0.000	0.081	0.000	-0.081
17	1.000	0.000	0.143	0.000	-0.143
18	1.500	0.000	0.191	0.000	-0.191
19	2.000	0.000	0.227	0.000	-0.227
20	3.000	0.000	0.275	0.000	-0.275
21	4.000	0.000	0.302	0.000	-0.302
22	5.000	0.000	0.316	0.000	-0.316
23	6.000	0.000	0.323	0.000	-0.323
24	8.000	0.000	0.321	0.000	-0.321
25	10.000	0.000	0.311	0.000	-0.311
26	15.000	0.000	0.276	0.000	-0.276
27	20.000	0.000	0.242	0.000	-0.242

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
-6.928	4.000	0	0
-8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

-5.196	3.000	0	0
-3.464	2.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

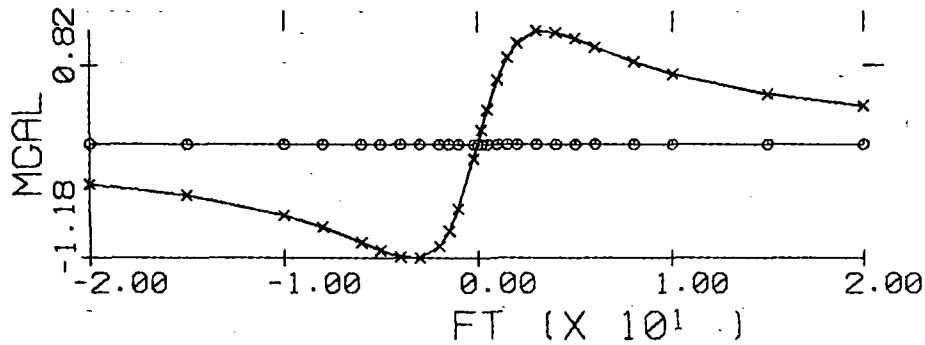
HORIZONTAL SCALE (UNITS/INCH) = 10.00000  
VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 2.00000  
VERTICAL SCALE FOR MODEL (UNITS/INCH) = 5.00000



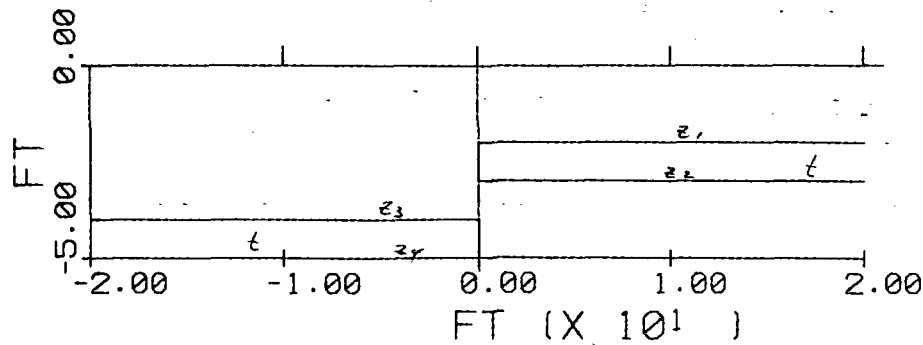
IC-TUS 2 OF 3

PLOT DATE 12/09/80  
 PLOT TIME 14:12:51  
 NO. OF VECT. 1479  
 NO. OF INCH. 304.  
 X INCHES 8.70  
 Y INCHES 10.38  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

SSR=18.48



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5000'$   
 $\alpha - 90^\circ$   
 $t - 1000'$

NORMAL FAULT AFTER TELFORD

51

Y  
ST

P. 76 FIG. 2.31

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/09/80 14:12

THE TOTAL SUM OF SQUARES IS 18.477

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 18.477

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.423	0.000	0.423
2	-15.000	0.000	-0.532	0.000	0.532
3	-10.000	0.000	-0.734	0.000	0.734
4	-8.000	0.000	-0.860	0.000	0.860
5	-6.000	0.000	-1.017	0.000	1.017
6	-5.000	0.000	-1.099	0.000	1.099
7	-4.000	0.000	-1.166	0.000	1.166
8	-3.000	0.000	-1.179	0.000	1.179
9	-2.000	0.000	-1.055	0.000	1.055
10	-1.500	0.000	-0.903	0.000	0.903
11	-1.000	0.000	-0.671	0.000	0.671
12	0.500	0.000	0.362	0.000	-0.362
13	-0.200	0.000	-0.147	0.000	0.147
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.148	0.000	-0.148
16	0.500	0.000	0.362	0.000	-0.362
17	1.000	0.000	0.672	0.000	-0.672
18	1.500	0.000	0.903	0.000	-0.903
19	2.000	0.000	1.055	0.000	-1.055
20	3.000	0.000	1.179	0.000	-1.179
21	4.000	0.000	1.166	0.000	-1.166
22	5.000	0.000	1.098	0.000	-1.098
23	6.000	0.000	1.015	0.000	-1.015
24	8.000	0.000	0.856	0.000	-0.856
25	10.000	0.000	0.729	0.000	-0.729
26	15.000	0.000	0.520	0.000	-0.520
27	20.000	0.000	0.400	0.000	-0.400

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

0.000  
0.000

3.000  
2.000

0  
0

0  
0

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/11/80 13:54

THE TOTAL SUM OF SQUARES IS 4224.576

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P.76 FIG: 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 0

THE TOTAL SUM OF SQUARES IS 4224.576

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	12.060	0.000	-12.060
2	-15.000	0.000	11.950	0.000	-11.950
3	-10.000	0.000	11.749	0.000	-11.749
4	-8.000	0.000	11.623	0.000	-11.623
5	-6.000	0.000	11.466	0.000	-11.466
6	-5.000	0.000	11.384	0.000	-11.384
7	-4.000	0.000	11.317	0.000	-11.317
8	-3.000	0.000	11.304	0.000	-11.304
9	-2.000	0.000	11.428	0.000	-11.428
10	-1.500	0.000	11.580	0.000	-11.580
11	-1.000	0.000	11.812	0.000	-11.812
12	-0.500	0.000	12.122	0.000	-12.122
13	-0.200	0.000	12.335	0.000	-12.335
14	0.000	0.000	12.483	0.000	-12.483
15	0.200	0.000	12.631	0.000	-12.631
16	0.500	0.000	12.844	0.000	-12.844
17	1.000	0.000	13.155	0.000	-13.155
18	1.500	0.000	13.386	0.000	-13.386
19	2.000	0.000	13.538	0.000	-13.538
20	3.000	0.000	13.662	0.000	-13.662
21	4.000	0.000	13.649	0.000	-13.649
22	5.000	0.000	13.581	0.000	-13.581
23	6.000	0.000	13.498	0.000	-13.498
24	8.000	0.000	13.339	0.000	-13.339
25	10.000	0.000	13.212	0.000	-13.212
26	15.000	0.000	13.003	0.000	-13.003
27	20.000	0.000	12.883	0.000	-12.883

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/11/80 13:56

THE TOTAL SUM OF SQUARES IS 23.268

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 1

THE TOTAL SUM OF SQUARES IS 23.268

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	0.000	0.000	0.000
2	-15.000	0.000	-0.110	0.000	0.110
3	-10.000	0.000	-0.311	0.000	0.311
4	-8.000	0.000	-0.437	0.000	0.437
5	-6.000	0.000	-0.594	0.000	0.594
6	-5.000	0.000	-0.676	0.000	0.676
7	-4.000	0.000	-0.743	0.000	0.743
8	-3.000	0.000	-0.756	0.000	0.756
9	-2.000	0.000	-0.632	0.000	0.632
10	-1.500	0.000	-0.480	0.000	0.480
11	-1.000	0.000	-0.248	0.000	0.248
12	-0.500	0.000	0.062	0.000	-0.062
13	-0.200	0.000	0.275	0.000	-0.275
14	0.000	0.000	0.423	0.000	-0.423
15	0.200	0.000	0.571	0.000	-0.571
16	0.500	0.000	0.785	0.000	-0.785
17	1.000	0.000	1.095	0.000	-1.095
18	1.500	0.000	1.326	0.000	-1.326
19	2.000	0.000	1.478	0.000	-1.478
20	3.000	0.000	1.602	0.000	-1.602
21	4.000	0.000	1.589	0.000	-1.589
22	5.000	0.000	1.521	0.000	-1.521
23	6.000	0.000	1.438	0.000	-1.438
24	8.000	0.000	1.279	0.000	-1.279
25	10.000	0.000	1.152	0.000	-1.152
26	15.000	0.000	0.943	0.000	-0.943
27	20.000	0.000	0.823	0.000	-0.823

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

0.000  
0.000

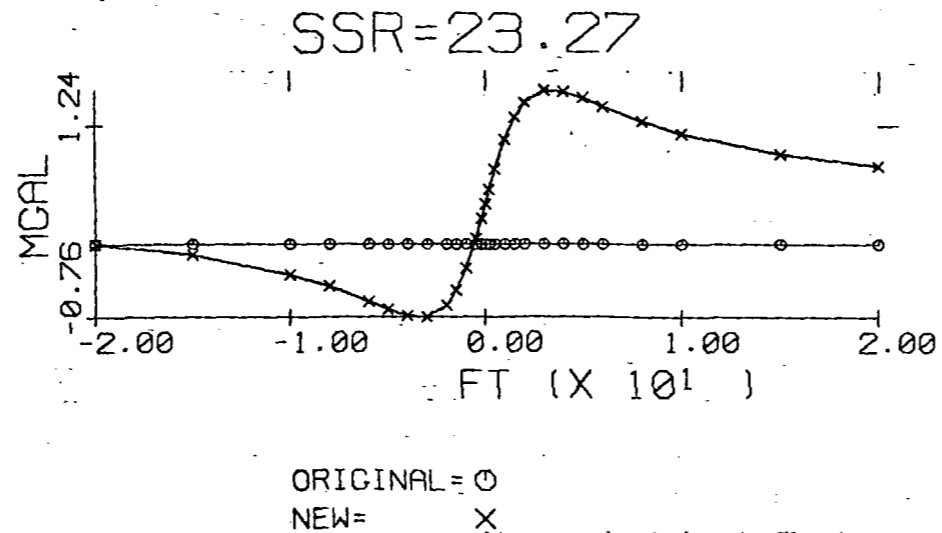
3.000  
2.000

0  
0

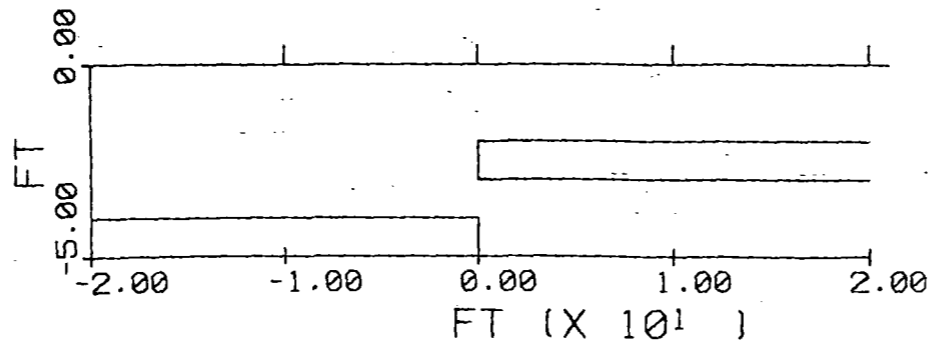
0  
0

IC-TUS 2 OF 2

PLOT DATE 12/11/80  
PLOT TIME 13:56:56  
NO. OF VECT. 1458  
NO. OF INCH. 304.  
X INCHES 8.70  
Y INCHES 10.38  
NO. OF STRIPS 1  
NO. OF COPIES 0



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000



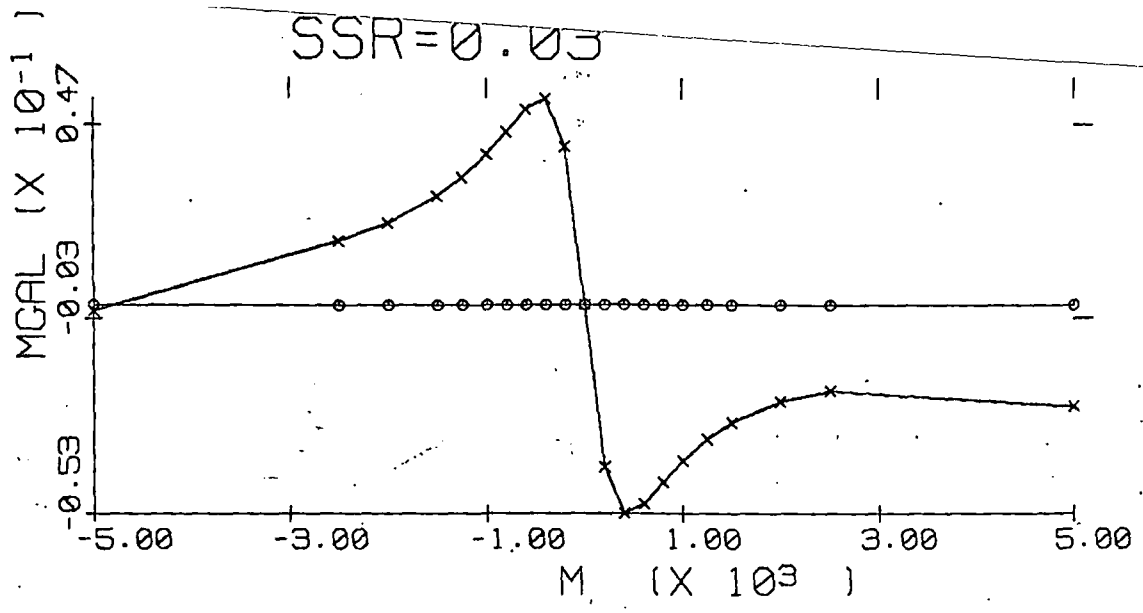
NORMAL FAULT AFTER TELFORD P.76 FIG. 2.



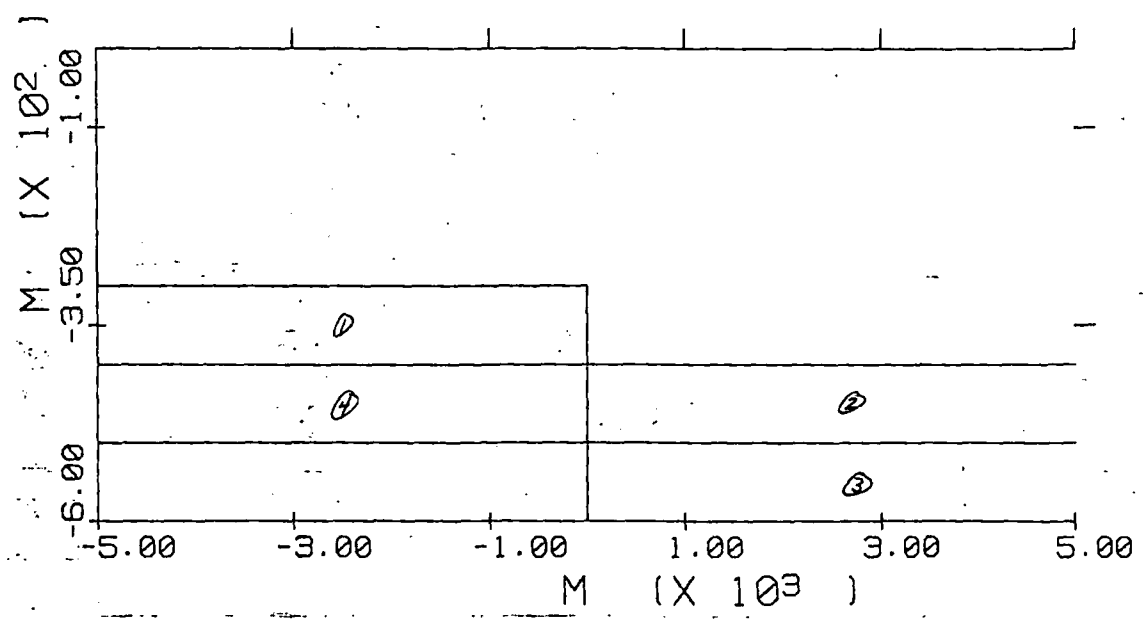
F 2

7/09/80  
 156.23  
 1665  
 388.  
 9.70  
 11.33

5 1  
 5 0



POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:55

THE TOTAL SUM OF SQUARES IS 0.028

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.028

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	-0.001	0.000	0.001
2	-2500.000	0.000	0.017	0.000	-0.017
3	-2000.000	0.000	0.021	0.000	-0.021
4	-1500.000	0.000	0.028	0.000	-0.028
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.040	0.000	0.040
17	1250.000	0.000	-0.034	0.000	0.034
18	1500.000	0.000	-0.030	0.000	0.030
19	2000.000	0.000	-0.025	0.000	0.025
20	2500.000	0.000	-0.022	0.000	0.022
21	5000.000	0.000	-0.026	0.000	0.026

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

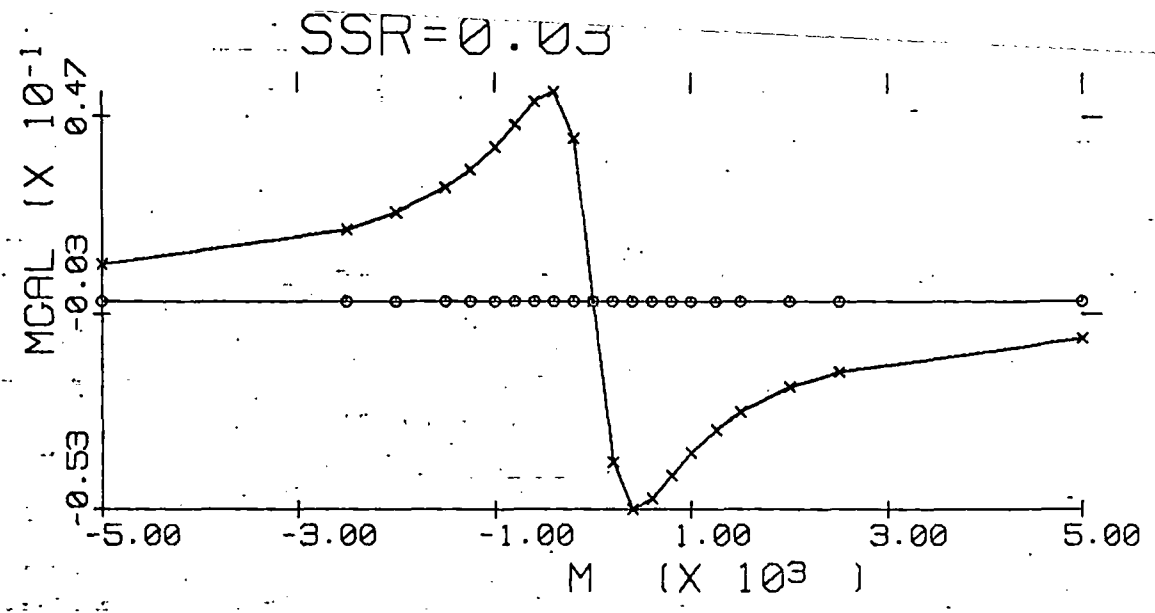
POLYGON NO. 4      DENSITY = 0.15000

STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

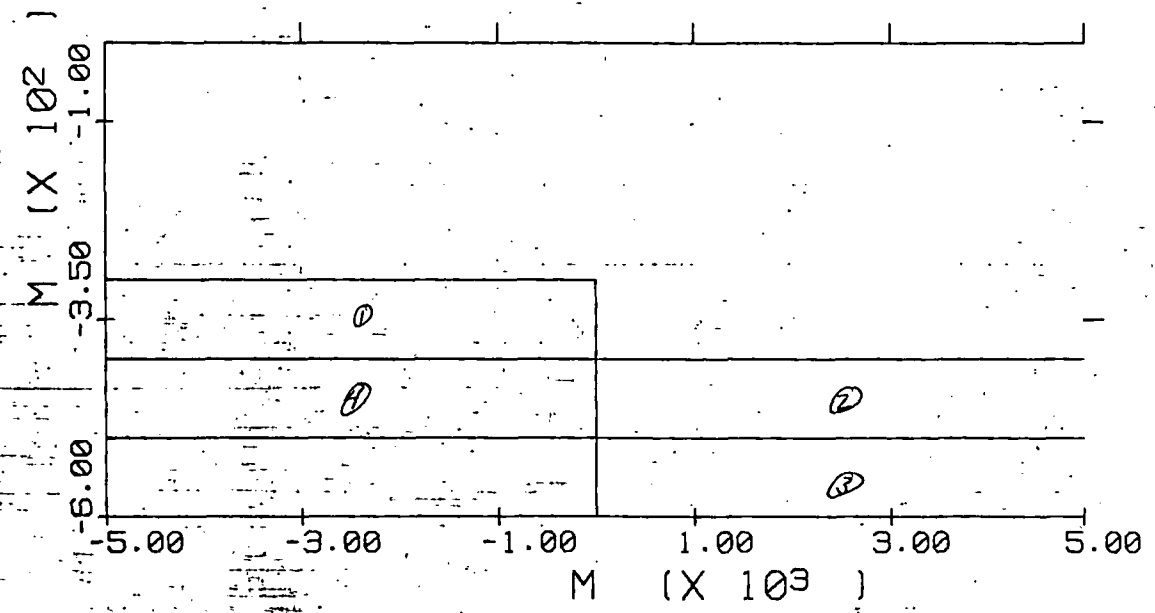
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

OF 2

12/09/80  
 16: 0.33  
 T. 1665  
 H. 387.  
 9.70  
 11.33  
 IPS 1  
 IES 0



POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:59

THE TOTAL SUM OF SQUARES IS 0.027

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.027

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	0.009	0.000	-0.009
2	2500.000	0.000	0.018	0.000	-0.018
3	-2000.000	0.000	0.022	0.000	-0.022
4	-1500.000	0.000	0.029	0.000	-0.029
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	-0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.039	0.000	0.039
17	1250.000	0.000	-0.033	0.000	0.033
18	1500.000	0.000	-0.029	0.000	0.029
19	2000.000	0.000	-0.022	0.000	0.022
20	2500.000	0.000	-0.018	0.000	0.018
21	5000.000	0.000	-0.009	0.000	0.009

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

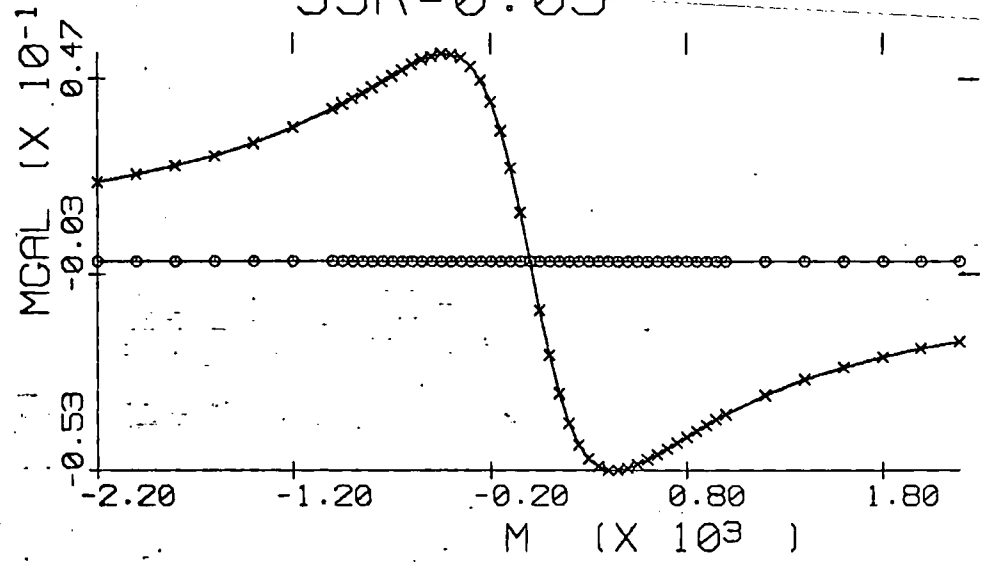
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000

STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

SSR=0.05

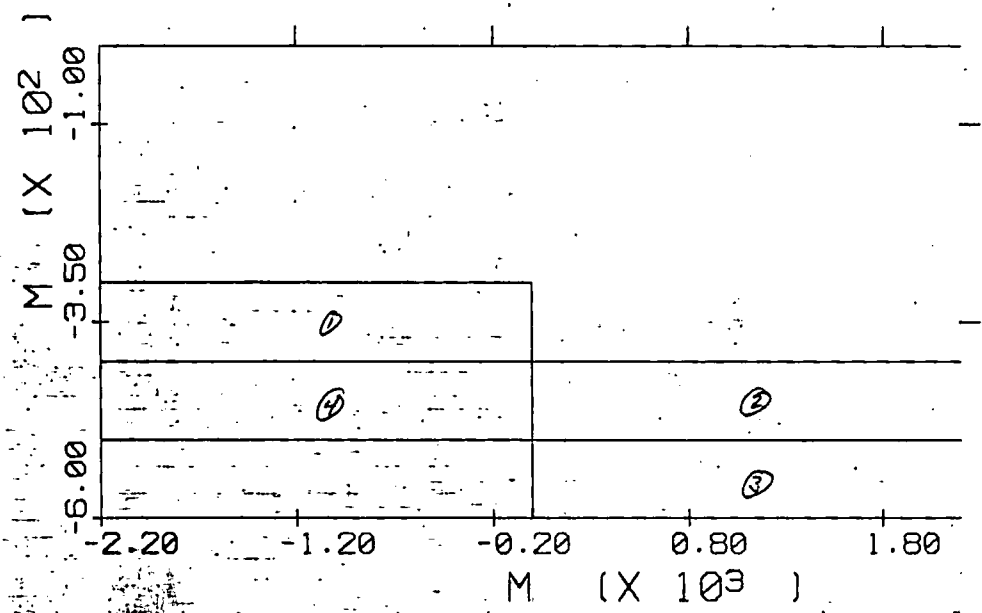


ORIGINAL = ○  
NEW = X

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000

1 OF 1

T DATE 12/09/80  
T TIME 16:27:17  
OF VECT. 2053  
OF INCH. 437.  
VCHES 9.10  
VCHES 11.33  
OF STRIPS 1  
OF COPIES 0



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 16:26

THE TOTAL SUM OF SQUARES IS 0.089

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS 0.089

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENC OBS-COMP
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.042	0.000	-0.042
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.045	0.000	-0.045
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.048	0.000	-0.048
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.051	0.000	-0.051
16	-550.000	0.000	0.052	0.000	-0.052
17	-500.000	0.000	0.053	0.000	-0.053
18	-450.000	0.000	0.053	0.000	-0.053
19	-400.000	0.000	0.053	0.000	-0.053
20	-350.000	0.000	0.052	0.000	-0.052
21	-300.000	0.000	0.050	0.000	-0.050
22	-250.000	0.000	0.047	0.000	-0.047
23	-200.000	0.000	0.041	0.000	-0.041
24	-150.000	0.000	0.034	0.000	-0.034
25	-100.000	0.000	0.024	0.000	-0.024
26	-50.000	0.000	0.013	0.000	-0.013
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.013	0.000	0.013
29	100.000	0.000	-0.024	0.000	0.024
30	150.000	0.000	-0.034	0.000	0.034
31	200.000	0.000	-0.041	0.000	0.041
32	250.000	0.000	-0.047	0.000	0.047
33	300.000	0.000	-0.050	0.000	0.050
34	350.000	0.000	-0.052	0.000	0.052
35	400.000	0.000	-0.053	0.000	0.053
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.053	0.000	0.053
38	550.000	0.000	-0.052	0.000	0.052
39	600.000	0.000	-0.051	0.000	0.051
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.048	0.000	0.048
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.045	0.000	0.045
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.040	0.000	0.040



47	1000.000	0.000	-0.039	0.000	0.039
48	1200.000	0.000	-0.034	0.000	0.034
49	1400.000	0.000	-0.030	0.000	0.030
50	1600.000	0.000	-0.027	0.000	0.027
51	1800.000	0.000	-0.024	0.000	0.024
52	2000.000	0.000	-0.022	0.000	0.022
53	2200.000	0.000	-0.020	0.000	0.020

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

\* SEARCH DATA \*

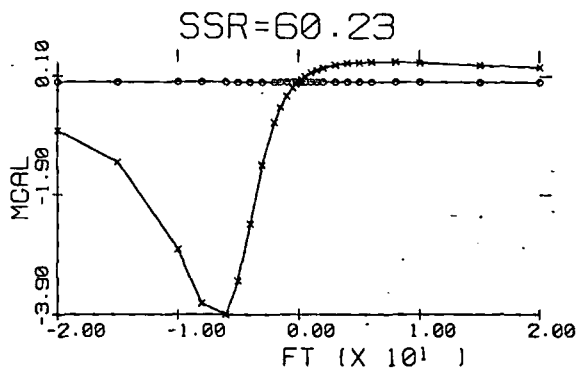
NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

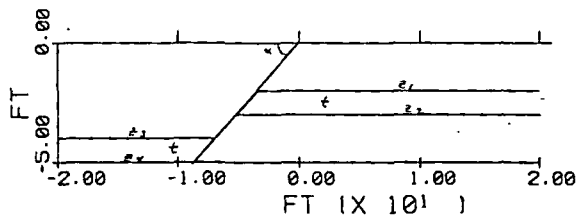
HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12: 2:27  
 NO. OF VECT. 1511  
 NO. OF INCH. 317.  
 X INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL= O  
 NEW= X



POLYGON DENSITY	
NO.	CONTRAST
1	1.00000
2	1.00000

z<sub>1</sub> - 2000'  
 z<sub>2</sub> - 3000'  
 z<sub>3</sub> - 4000'  
 z<sub>4</sub> - 5000'  
 t - 1000'  
 α - 30°

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

File 4

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 12: 2

THE TOTAL SUM OF SQUARES IS 60.226

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.226

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-20.000	0.000	-0.823	0.000	0.823
2	-15.000	0.000	-1.355	0.000	1.355
3	-10.000	0.000	-2.835	0.000	2.835
4	-8.000	0.000	-3.723	0.000	3.723
5	-6.000	0.000	-3.904	0.000	3.904
6	-5.000	0.000	-3.354	0.000	3.354
7	-4.000	0.000	-2.405	0.000	2.405
8	-3.000	0.000	-1.408	0.000	1.408
9	-2.000	0.000	-0.684	0.000	0.684
10	-1.500	0.000	-0.436	0.000	0.436
11	-1.000	0.000	-0.249	0.000	0.249
12	-0.500	0.000	-0.107	0.000	0.107
13	-0.200	0.000	-0.039	0.000	0.039
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.035	0.000	-0.035
16	0.500	0.000	0.081	0.000	-0.081
17	1.000	0.000	0.143	0.000	-0.143
18	1.500	0.000	0.191	0.000	-0.191
19	2.000	0.000	0.227	0.000	-0.227
20	3.000	0.000	0.275	0.000	-0.275
21	4.000	0.000	0.302	0.000	-0.302
22	5.000	0.000	0.316	0.000	-0.316
23	6.000	0.000	0.323	0.000	-0.323
24	8.000	0.000	0.321	0.000	-0.321
25	10.000	0.000	0.311	0.000	-0.311
26	15.000	0.000	0.276	0.000	-0.276
27	20.000	0.000	0.242	0.000	-0.242

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
-6.928	4.000	0	0
-8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

-5.196  
-3.464

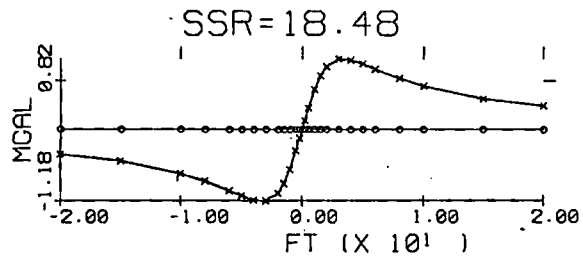
3.000  
2.000

0  
0

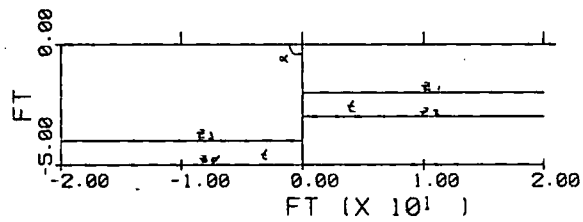
0  
0

IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 13:31:36  
 NO. OF VECT. 1479  
 NO. OF INCH. 303.  
 X INCHES 8.70  
 Y INCHES 10.38  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = O  
 NEW = X



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5000'$   
 $ε - 1000'$   
 $α - 90^\circ$

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

Fik 7

WORK FILE HEADER:  
GRAVITY MODEL

DATE: 12/10/80 13:30

THE TOTAL SUM OF SQUARES IS 18.476

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 18.476

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.423	0.000	0.423
2	-15.000	0.000	-0.532	0.000	0.532
3	-10.000	0.000	-0.734	0.000	0.734
4	-8.000	0.000	-0.860	0.000	0.860
5	-6.000	0.000	-1.017	0.000	1.017
6	-5.000	0.000	-1.099	0.000	1.099
7	-4.000	0.000	-1.166	0.000	1.166
8	-3.000	0.000	-1.179	0.000	1.179
9	-2.000	0.000	-1.055	0.000	1.055
10	-1.500	0.000	-0.903	0.000	0.903
11	-1.000	0.000	-0.671	0.000	0.671
12	-0.500	0.000	-0.361	0.000	0.361
13	-0.200	0.000	-0.147	0.000	0.147
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.148	0.000	-0.148
16	0.500	0.000	0.362	0.000	-0.362
17	1.000	0.000	0.672	0.000	-0.672
18	1.500	0.000	0.903	0.000	-0.903
19	2.000	0.000	1.055	0.000	-1.055
20	3.000	0.000	1.179	0.000	-1.179
21	4.000	0.000	1.166	0.000	-1.166
22	5.000	0.000	1.098	0.000	-1.098
23	6.000	0.000	1.015	0.000	-1.015
24	8.000	0.000	0.856	0.000	-0.856
25	10.000	0.000	0.729	0.000	-0.729
26	15.000	0.000	0.520	0.000	-0.520
27	20.000	0.000	0.400	0.000	-0.400

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

0.000  
0.000

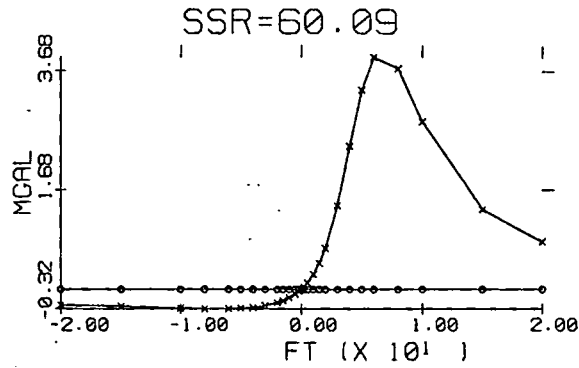
3.000  
2.000

0  
0

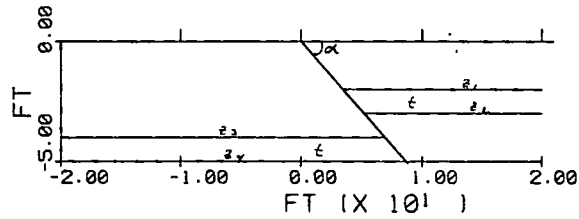
0  
0

IC-TUS 1 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 13:13:42  
 NO. OF VECT. 1528  
 NO. OF INCH. 318.  
 X INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL= O  
 NEW= X



POLYGON DENSITY	
NO.	CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5000'$   
 $l - 1000'$   
 $\alpha - 30^\circ$

FAULT AFTER TELFORD P.76 FIG. 2.31



File 5

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 13:13

THE TOTAL SUM OF SQUARES IS 60.087

\* STATION DATA \*

REVERSE FAULT AFTER TELFORD P. 76 FIG. 2. 31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-20.000	0.000	-0.265	0.000	0.265
2	-15.000	0.000	-0.289	0.000	0.289
3	-10.000	0.000	-0.317	0.000	0.317
4	-8.000	0.000	-0.325	0.000	0.325
5	-6.000	0.000	-0.325	0.000	0.325
6	-5.000	0.000	-0.318	0.000	0.318
7	-4.000	0.000	-0.303	0.000	0.303
8	-3.000	0.000	-0.275	0.000	0.275
9	-2.000	0.000	-0.227	0.000	0.227
10	-1.500	0.000	-0.191	0.000	0.191
11	-1.000	0.000	-0.143	0.000	0.143
12	-0.500	0.000	-0.081	0.000	0.081
13	-0.200	0.000	-0.035	0.000	0.035
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.039	0.000	-0.039
16	0.500	0.000	0.107	0.000	-0.107
17	1.000	0.000	0.249	0.000	-0.249
18	1.500	0.000	0.436	0.000	-0.436
19	2.000	0.000	0.683	0.000	-0.683
20	3.000	0.000	1.407	0.000	-1.407
21	4.000	0.000	2.404	0.000	-2.404
22	5.000	0.000	3.353	0.000	-3.353
23	6.000	0.000	3.902	0.000	-3.902
24	8.000	0.000	3.720	0.000	-3.720
25	10.000	0.000	2.829	0.000	-2.829
26	15.000	0.000	1.342	0.000	-1.342
27	20.000	0.000	0.800	0.000	-0.800

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
6.928	4.000	0	0
8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

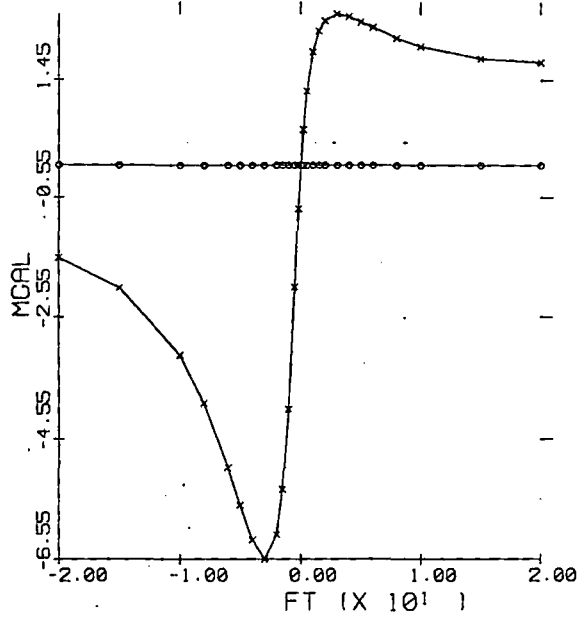
5. 196  
3. 464

3. 000  
2. 000

0  
0

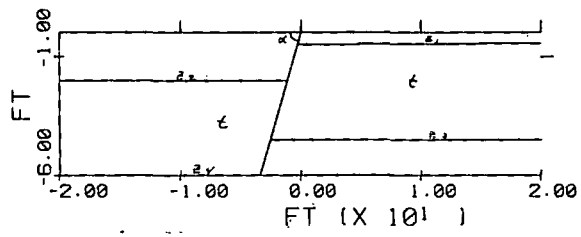
0  
0

SSR=315.32



ORIGINAL= O  
NEW= X

POLYCON DENSITY	
NO.	CONTRAST
1	1.00000
2	1.00000
$z_1$	- 500'
$z_2$	- 2000'
$z_3$	- 1500'
$z_4$	- 6000'
$t$	- 4000'
$\alpha$	- 60°



NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

IC-TUS 1 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12:035  
 NO. OF VECT. 1569  
 NO. OF INCH. 398.  
 X INCHES 8.70  
 Y INCHES 13.75  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

File 6

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 11:58

THE TOTAL SUM OF SQUARES IS 315.316

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 315.316

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-1.561	0.000	1.561
2	-15.000	0.000	-2.078	0.000	2.078
3	-10.000	0.000	-3.175	0.000	3.175
4	-8.000	0.000	-3.956	0.000	3.956
5	-6.000	0.000	-5.033	0.000	5.033
6	-5.000	0.000	-5.655	0.000	5.655
7	-4.000	0.000	-6.233	0.000	6.233
8	-3.000	0.000	-6.555	0.000	6.555
9	-2.000	0.000	-6.149	0.000	6.149
10	-1.500	0.000	-5.395	0.000	5.395
11	-1.000	0.000	-4.056	0.000	4.056
12	-0.500	0.000	-2.058	0.000	2.058
13	-0.200	0.000	-0.749	0.000	0.749
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.601	0.000	-0.601
16	0.500	0.000	1.259	0.000	-1.259
17	1.000	0.000	1.918	0.000	-1.918
18	1.500	0.000	2.262	0.000	-2.262
19	2.000	0.000	2.438	0.000	-2.438
20	3.000	0.000	2.541	0.000	-2.541
21	4.000	0.000	2.503	0.000	-2.503
22	5.000	0.000	2.418	0.000	-2.418
23	6.000	0.000	2.322	0.000	-2.322
24	8.000	0.000	2.144	0.000	-2.144
25	10.000	0.000	2.004	0.000	-2.004
26	15.000	0.000	1.806	0.000	-1.806
27	20.000	0.000	1.743	0.000	-1.743

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	2.000	0	0
-1.155	2.000	0	0
-3.464	6.000	0	0
-100.000	6.000	0	0
-100.000	2.000	0	0

POLYGON NO. 2

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-0.289	0.500	0	0
100.000	0.200	0	0
100.000	4.500	0	0

-2. 598  
-0. 289

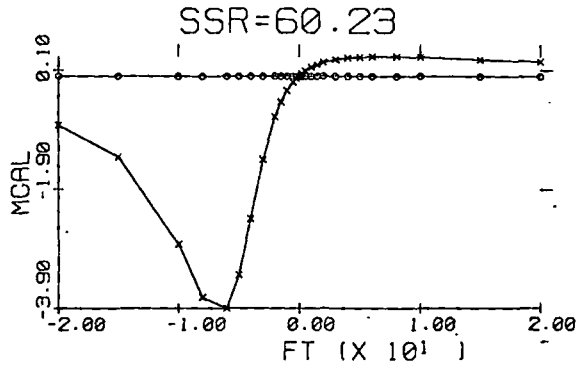
4. 500  
0. 500

0  
0

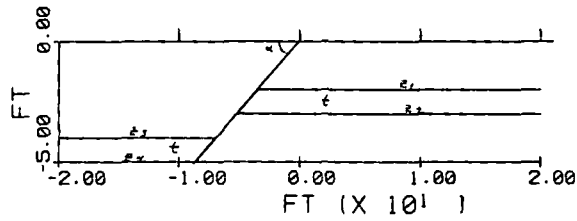
0  
0

IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12:27  
 NO. OF VECT. 1511  
 NO. OF INCH. 317.  
 X INCHES 8.78  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

z<sub>1</sub> - 2000'  
 z<sub>2</sub> - 3000'  
 z<sub>3</sub> - 4000'  
 z<sub>4</sub> - 5000'  
 t - 1000'  
 α - 30°

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

File #

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 12: 2

THE TOTAL SUM OF SQUARES IS 60.226

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.226

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-20.000	0.000	-0.823	0.000	0.823
2	-15.000	0.000	-1.355	0.000	1.355
3	-10.000	0.000	-2.835	0.000	2.835
4	-8.000	0.000	-3.723	0.000	3.723
5	-6.000	0.000	-3.904	0.000	3.904
6	-5.000	0.000	-3.354	0.000	3.354
7	-4.000	0.000	-2.405	0.000	2.405
8	-3.000	0.000	-1.408	0.000	1.408
9	-2.000	0.000	-0.684	0.000	0.684
10	-1.500	0.000	-0.436	0.000	0.436
11	-1.000	0.000	-0.249	0.000	0.249
12	-0.500	0.000	-0.107	0.000	0.107
13	-0.200	0.000	-0.039	0.000	0.039
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.035	0.000	-0.035
16	0.500	0.000	0.081	0.000	-0.081
17	1.000	0.000	0.143	0.000	-0.143
18	1.500	0.000	0.191	0.000	-0.191
19	2.000	0.000	0.227	0.000	-0.227
20	3.000	0.000	0.275	0.000	-0.275
21	4.000	0.000	0.302	0.000	-0.302
22	5.000	0.000	0.316	0.000	-0.316
23	6.000	0.000	0.323	0.000	-0.323
24	8.000	0.000	0.321	0.000	-0.321
25	10.000	0.000	0.311	0.000	-0.311
26	15.000	0.000	0.276	0.000	-0.276
27	20.000	0.000	0.242	0.000	-0.242

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
-6.928	4.000	0	0
-8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

-5.196  
-3.464

3.000  
2.000

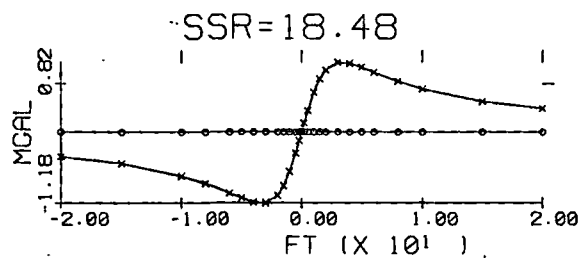
0  
0

0  
0

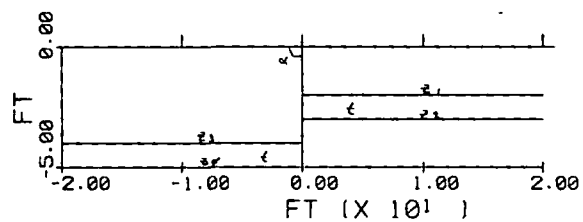


IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 13:31:36  
 NO. OF VECT. 1479  
 NO. OF INCH. 303.  
 X INCHES 8.70  
 Y INCHES 10.38  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL= O  
 NEW= X



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5000'$   
 $z_5 - 1000'$   
 $\alpha - 90^\circ$

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

File 7

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 13:30

THE TOTAL SUM OF SQUARES IS 18.476

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 18.476

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.423	0.000	0.423
2	-15.000	0.000	-0.532	0.000	0.532
3	-10.000	0.000	-0.734	0.000	0.734
4	-8.000	0.000	-0.860	0.000	0.860
5	-6.000	0.000	-1.017	0.000	1.017
6	-5.000	0.000	-1.099	0.000	1.099
7	-4.000	0.000	-1.166	0.000	1.166
8	-3.000	0.000	-1.179	0.000	1.179
9	-2.000	0.000	-1.055	0.000	1.055
10	-1.500	0.000	-0.903	0.000	0.903
11	-1.000	0.000	-0.671	0.000	0.671
12	-0.500	0.000	-0.361	0.000	0.361
13	-0.200	0.000	-0.147	0.000	0.147
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.148	0.000	-0.148
16	0.500	0.000	0.362	0.000	-0.362
17	1.000	0.000	0.672	0.000	-0.672
18	1.500	0.000	0.903	0.000	-0.903
19	2.000	0.000	1.055	0.000	-1.055
20	3.000	0.000	1.179	0.000	-1.179
21	4.000	0.000	1.166	0.000	-1.166
22	5.000	0.000	1.098	0.000	-1.098
23	6.000	0.000	1.015	0.000	-1.015
24	8.000	0.000	0.856	0.000	-0.856
25	10.000	0.000	0.729	0.000	-0.729
26	15.000	0.000	0.520	0.000	-0.520
27	20.000	0.000	0.400	0.000	-0.400

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

0.000  
0.000

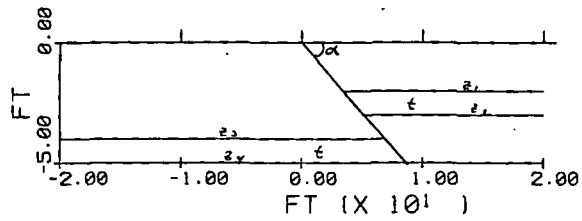
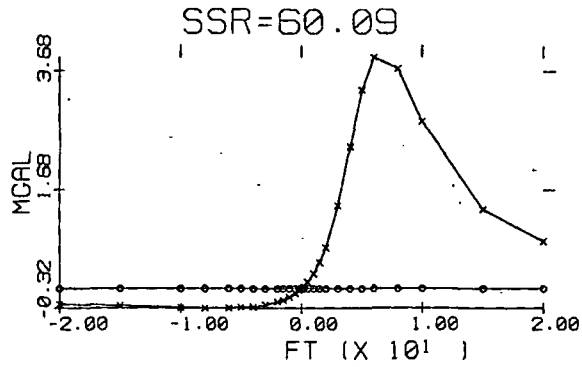
3.000  
2.000

0  
0

0  
0

IC-TUS 1 OF 2

PLOT DATE 12/10/88  
 PLOT TIME 13:13:42  
 NO. OF VECT. 1528  
 NO. OF INCH. 318.  
 X INCHES 0.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 - 2000'$   
 $z_2 - 3000'$   
 $z_3 - 4000'$   
 $z_4 - 5000'$   
 $t - 1000'$   
 $\alpha - 30^\circ$

FAULT AFTER TELFORD P.76 FIG. 2.31

File 5

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 13:13

THE TOTAL SUM OF SQUARES IS 60.087

\* STATION DATA \*

REVERSE FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-20.000	0.000	-0.265	0.000	0.265
2	-15.000	0.000	-0.289	0.000	0.289
3	-10.000	0.000	-0.317	0.000	0.317
4	-8.000	0.000	-0.325	0.000	0.325
5	-6.000	0.000	-0.325	0.000	0.325
6	-5.000	0.000	-0.318	0.000	0.318
7	-4.000	0.000	-0.303	0.000	0.303
8	-3.000	0.000	-0.275	0.000	0.275
9	-2.000	0.000	-0.227	0.000	0.227
10	-1.500	0.000	-0.191	0.000	0.191
11	-1.000	0.000	-0.143	0.000	0.143
12	-0.500	0.000	-0.081	0.000	0.081
13	-0.200	0.000	-0.035	0.000	0.035
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.039	0.000	-0.039
16	0.500	0.000	0.107	0.000	-0.107
17	1.000	0.000	0.249	0.000	-0.249
18	1.500	0.000	0.436	0.000	-0.436
19	2.000	0.000	0.683	0.000	-0.683
20	3.000	0.000	1.407	0.000	-1.407
21	4.000	0.000	2.404	0.000	-2.404
22	5.000	0.000	3.353	0.000	-3.353
23	6.000	0.000	3.902	0.000	-3.902
24	8.000	0.000	3.720	0.000	-3.720
25	10.000	0.000	2.829	0.000	-2.829
26	15.000	0.000	1.342	0.000	-1.342
27	20.000	0.000	0.800	0.000	-0.800

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
6.928	4.000	0	0
8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

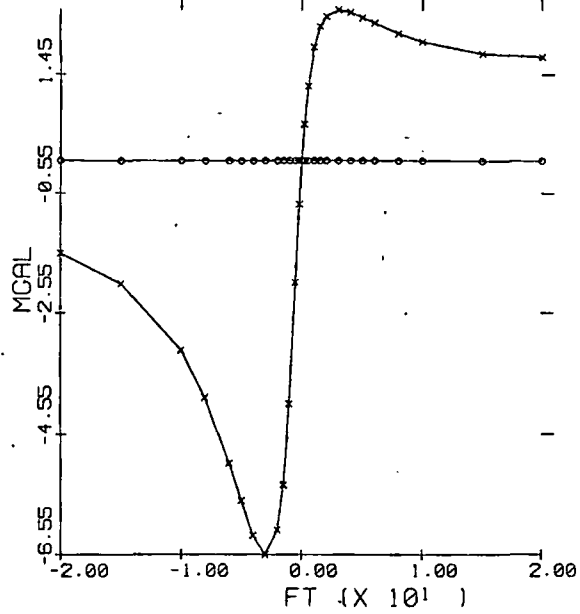
5. 196  
3. 464

3. 000  
2. 000

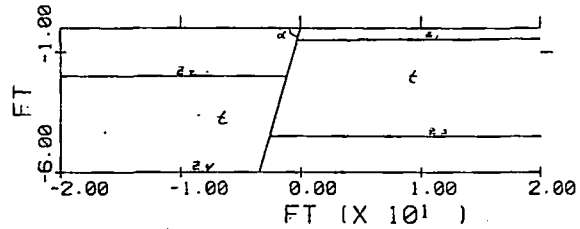
0  
0

0  
0

SSR=315.32



ORIGINAL = O  
NEW = X



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 = 500'$   
 $z_2 = 2000'$   
 $z_3 = 1500'$   
 $z_4 = 6000'$   
 $l = 4000'$   
 $\alpha = 60^\circ$

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.31

IC-TUS 1 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12:035  
 NO. OF VECT. 1569  
 NO. OF INCH. 398.  
 X INCHES 8.70  
 Y INCHES 13.75  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

File 6

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 11:58

THE TOTAL SUM OF SQUARES IS 315.316

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 315.316

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-1.561	0.000	1.561
2	-15.000	0.000	-2.078	0.000	2.078
3	-10.000	0.000	-3.175	0.000	3.175
4	-8.000	0.000	-3.956	0.000	3.956
5	-6.000	0.000	-5.033	0.000	5.033
6	-5.000	0.000	-5.655	0.000	5.655
7	-4.000	0.000	-6.233	0.000	6.233
8	-3.000	0.000	-6.555	0.000	6.555
9	-2.000	0.000	-6.149	0.000	6.149
10	-1.500	0.000	-5.395	0.000	5.395
11	-1.000	0.000	-4.056	0.000	4.056
12	-0.500	0.000	-2.058	0.000	2.058
13	-0.200	0.000	-0.749	0.000	0.749
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.601	0.000	-0.601
16	0.500	0.000	1.259	0.000	-1.259
17	1.000	0.000	1.918	0.000	-1.918
18	1.500	0.000	2.262	0.000	-2.262
19	2.000	0.000	2.438	0.000	-2.438
20	3.000	0.000	2.541	0.000	-2.541
21	4.000	0.000	2.503	0.000	-2.503
22	5.000	0.000	2.418	0.000	-2.418
23	6.000	0.000	2.322	0.000	-2.322
24	8.000	0.000	2.144	0.000	-2.144
25	10.000	0.000	2.004	0.000	-2.004
26	15.000	0.000	1.806	0.000	-1.806
27	20.000	0.000	1.743	0.000	-1.743

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	2.000	0	0
-1.155	2.000	0	0
-3.464	6.000	0	0
-100.000	6.000	0	0
-100.000	2.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-0.289	0.500	0	0
100.000	0.200	0	0
100.000	4.500	0	0



-2.598  
-0.289

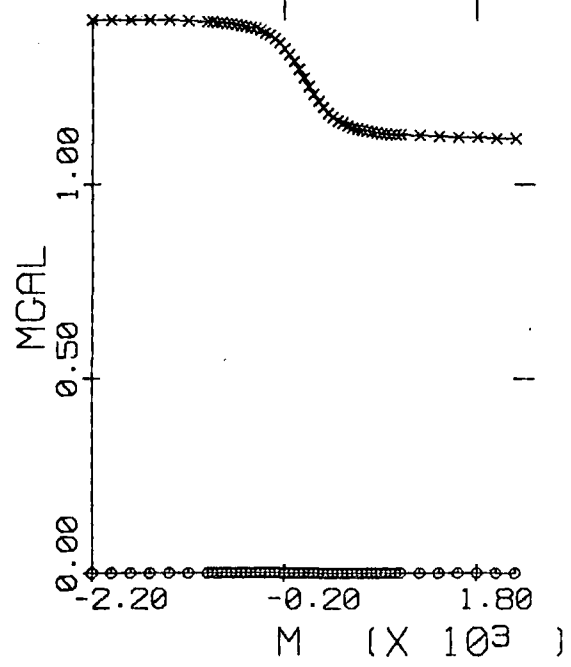
4.500  
0.500

0  
0

0  
0

notch pt.  
sta 0

SSR = 86.61

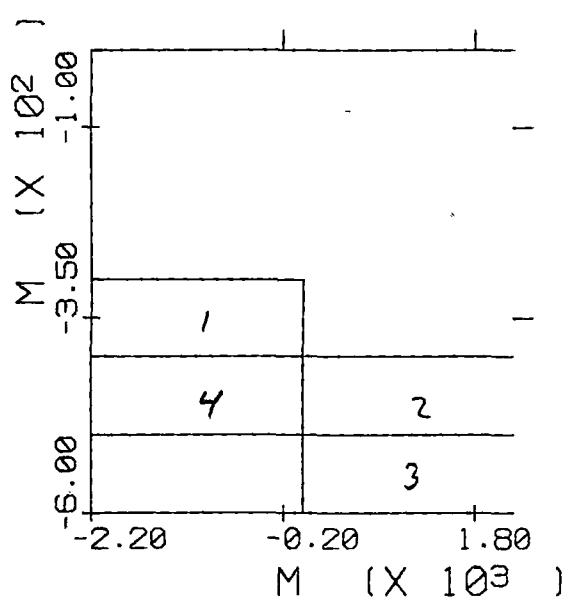


ORIGINAL = o  
NEW = x

IC-TUS 1 OF 1

PLOT DATE 12/08/80  
PLOT TIME 15:10:27  
NO. OF VECT. 1905  
NO. OF INCH. 563.  
X INCHES 6.90  
Y INCHES 12.05  
NO. OF STRIPS 1  
NO. OF COPIES 0

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL W/

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/08/80 11:47

THE TOTAL SUM OF SQUARES IS 68.967

\* STATION DATA \*

GRAVITY MODEL W/NORMAL FAULT

*Verif.*

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS

0

THE TOTAL SUM OF SQUARES IS 68.967

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	<i>-2570</i> -2200.000	0.000	1.404	0.000	-1.404
2	-2000.000	0.000	1.401	0.000	-1.401
3	<i>-15</i> -1800.000	0.000	1.398	0.000	-1.398
4	<i>1570</i> -1600.000	0.000	1.394	0.000	-1.394
5	-1400.000	0.000	1.389	0.000	-1.389
6	-1200.000	0.000	1.382	0.000	-1.382
7	-1000.000	0.000	1.373	0.000	-1.373
8	-950.000	0.000	1.370	0.000	-1.370
9	-900.000	0.000	1.366	0.000	-1.366
10	-850.000	0.000	1.363	0.000	-1.363
11	-800.000	0.000	1.359	0.000	-1.359
12	-750.000	0.000	1.354	0.000	-1.354
13	-700.000	0.000	1.349	0.000	-1.349
14	-650.000	0.000	1.343	0.000	-1.343
15	-600.000	0.000	1.337	0.000	-1.337
16	-550.000	0.000	1.329	0.000	-1.329
17	-500.000	0.000	1.321	0.000	-1.321
18	-450.000	0.000	1.311	0.000	-1.311
19	-400.000	0.000	1.300	0.000	-1.300
20	-350.000	0.000	1.286	0.000	-1.286
21	-300.000	0.000	1.271	0.000	-1.271
22	-250.000	0.000	1.253	0.000	-1.253
23	-200.000	0.000	1.232	0.000	-1.232
24	-150.000	0.000	1.208	0.000	-1.208
25	-100.000	0.000	1.181	0.000	-1.181
26	-50.000	0.000	1.152	0.000	-1.152
→ 27	0.000	0.000	1.121	0.000	-1.121
28	50.000	0.000	1.090	0.000	-1.090
29	100.000	0.000	1.061	0.000	-1.061
30	150.000	0.000	1.034	0.000	-1.034
31	200.000	0.000	1.010	0.000	-1.010
32	250.000	0.000	0.989	0.000	-0.989
33	300.000	0.000	0.971	0.000	-0.971
34	350.000	0.000	0.955	0.000	-0.955
35	400.000	0.000	0.942	0.000	-0.942
36	450.000	0.000	0.931	0.000	-0.931
37	500.000	0.000	0.921	0.000	-0.921
38	550.000	0.000	0.912	0.000	-0.912
39	600.000	0.000	0.905	0.000	-0.905
40	650.000	0.000	0.898	0.000	-0.898
41	700.000	0.000	0.893	0.000	-0.893
42	750.000	0.000	0.887	0.000	-0.887
43	800.000	0.000	0.883	0.000	-0.883
44	850.000	0.000	0.879	0.000	-0.879
45	900.000	0.000	0.875	0.000	-0.875
46	950.000	0.000	0.872	0.000	-0.872

47	1000.000	0.000	0.869	0.000	-0.869
48	1200.000	0.000	0.859	0.000	-0.859
49	1400.000	0.000	0.852	0.000	-0.852
50	1600.000	0.000	0.846	0.000	-0.846
51	1800.000	0.000	0.842	0.000	-0.842
52	2000.000	0.000	0.838	0.000	-0.838
53	2200.000	0.000	0.835	0.000	-0.835

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY = 0.00000  
 STRIKE LENGTH 1 = 0.15000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 50000

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = <sup>2500.</sup> 200.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.50000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

WORK FILE HEADER:

DUM DUM

DATE: 12/08/80 16:22

THE TOTAL SUM OF SQUARES IS 0.040

\* STATION DATA \*

RUN 1

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 3

THE TOTAL SUM OF SQUARES IS 0.040

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	-0.023	0.000	0.023
2	-2500.000	0.000	-0.005	0.000	0.005
→ 3	-2000.000	0.000	0.000	0.000	0.000
4	-1400.000	0.000	0.009	0.000	-0.009
5	-1200.000	0.000	0.013	0.000	-0.013
6	-1000.000	0.000	0.018	0.000	-0.018
7	-800.000	0.000	0.023	0.000	-0.023
8	-600.000	0.000	0.029	0.000	-0.029
9	-400.000	0.000	0.032	0.000	-0.032
10	-200.000	0.000	0.020	0.000	-0.020
11	0.000	0.000	-0.021	0.000	0.021
12	200.000	0.000	-0.063	0.000	0.063
13	400.000	0.000	-0.075	0.000	0.075
14	600.000	0.000	-0.072	0.000	0.072
15	800.000	0.000	-0.067	0.000	0.067
16	1000.000	0.000	-0.061	0.000	0.061
17	1200.000	0.000	-0.057	0.000	0.057
18	1400.000	0.000	-0.053	0.000	0.053
19	2000.000	0.000	-0.046	0.000	0.046
20	2500.000	0.000	-0.044	0.000	0.044
21	5000.000	0.000	-0.047	0.000	0.047

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000

STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/08/80 16: 6

THE TOTAL SUM OF SQUARES IS

2. 046

\* STATION DATA \*

GRAVITY MODEL W/NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 2

THE TOTAL SUM OF SQUARES IS

2. 046

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-2200.000	0.000	0.000	0.000	-0.000
→ 2	-2000.000	0.000	0.000	0.000	0.000
3	-1800.000	0.000	-0.000	0.000	0.000
4	-1600.000	0.000	-0.001	0.000	0.001
5	-1400.000	0.000	-0.002	0.000	0.002
6	-1200.000	0.000	-0.003	0.000	0.003
7	-1000.000	0.000	-0.005	0.000	0.005
8	-950.000	0.000	-0.006	0.000	0.006
9	-900.000	0.000	-0.007	0.000	0.007
10	-850.000	0.000	-0.008	0.000	0.008
11	-800.000	0.000	-0.010	0.000	0.010
12	-750.000	0.000	-0.011	0.000	0.011
13	-700.000	0.000	-0.013	0.000	0.013
14	-650.000	0.000	-0.015	0.000	0.015
15	-600.000	0.000	-0.018	0.000	0.018
16	-550.000	0.000	-0.021	0.000	0.021
17	-500.000	0.000	-0.024	0.000	0.024
18	-450.000	0.000	-0.029	0.000	0.029
19	-400.000	0.000	-0.035	0.000	0.035
20	-350.000	0.000	-0.042	0.000	0.042
21	-300.000	0.000	-0.051	0.000	0.051
22	-250.000	0.000	-0.062	0.000	0.062
23	-200.000	0.000	-0.075	0.000	0.075
24	-150.000	0.000	-0.090	0.000	0.090
25	-100.000	0.000	-0.109	0.000	0.109
26	-50.000	0.000	-0.129	0.000	0.129
27	0.000	0.000	-0.151	0.000	0.151
28	50.000	0.000	-0.172	0.000	0.172
29	100.000	0.000	-0.193	0.000	0.193
30	150.000	0.000	-0.211	0.000	0.211
31	200.000	0.000	-0.227	0.000	0.227
32	250.000	0.000	-0.240	0.000	0.240
33	300.000	0.000	-0.251	0.000	0.251
34	350.000	0.000	-0.260	0.000	0.260
35	400.000	0.000	-0.267	0.000	0.267
36	450.000	0.000	-0.273	0.000	0.273
37	500.000	0.000	-0.277	0.000	0.277
38	550.000	0.000	-0.281	0.000	0.281
39	600.000	0.000	-0.284	0.000	0.284
40	650.000	0.000	-0.287	0.000	0.287
41	700.000	0.000	-0.289	0.000	0.289
42	750.000	0.000	-0.291	0.000	0.291
43	800.000	0.000	-0.292	0.000	0.292
44	850.000	0.000	-0.294	0.000	0.294
45	900.000	0.000	-0.295	0.000	0.295
46	950.000	0.000	-0.296	0.000	0.296

47	1000.000	0.000	-0.297	0.000	0.297
48	1200.000	0.000	-0.299	0.000	0.299
49	1400.000	0.000	-0.301	0.000	0.301
50	1600.000	0.000	-0.303	0.000	0.303
51	1800.000	0.000	-0.304	0.000	0.304
52	2000.000	0.000	-0.305	0.000	0.305
53	2200.000	0.000	-0.305	0.000	0.305

\* MODEL DATA \*

POLYGON NO. 1      DENSITY =      0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =      0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2      DENSITY =      0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =      0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY =      0.15000  
 STRIKE LENGTH 1 =      0.15000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =      50000

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

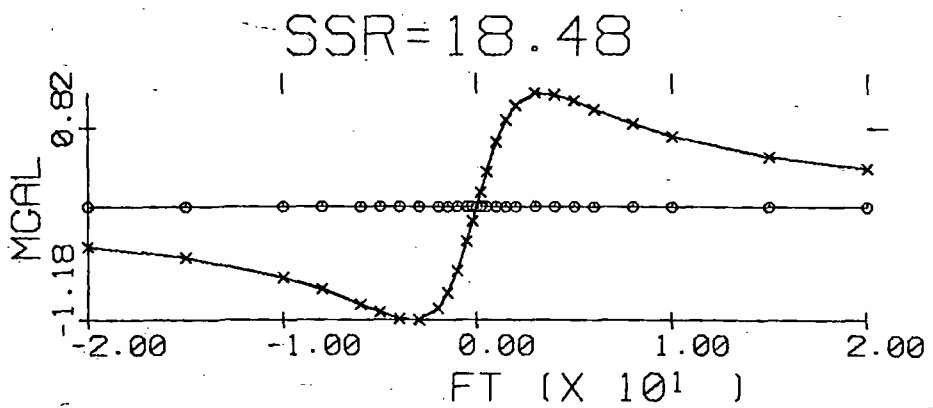
POLYGON NO. 4      DENSITY =      0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =      0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

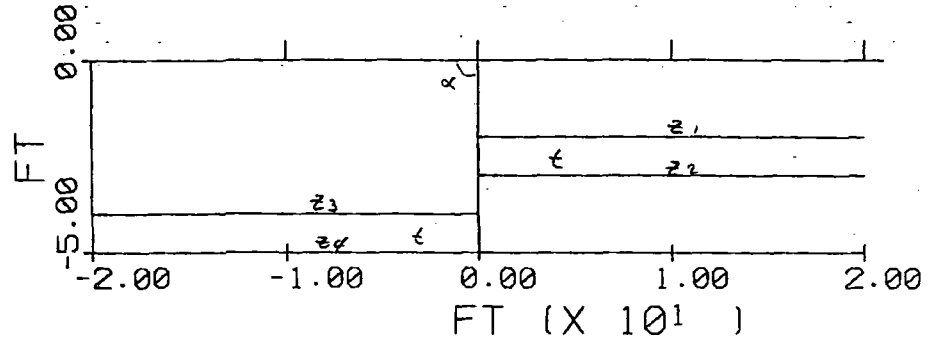


IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 13:31:36  
 NO. OF VECT. 1479  
 NO. OF INCH. 303.  
 X INCHES 8.70  
 Y INCHES 10.38  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

z<sub>1</sub> - 2000'  
 z<sub>2</sub> - 3000'  
 z<sub>3</sub> - 4000'  
 z<sub>4</sub> - 5000'  
 t - 1000'  
 α - 90°

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.3

File 7

WORK FILE HEADER:  
GRAVITY MODEL

DATE: 12/10/80 13:30

THE TOTAL SUM OF SQUARES IS 18.476

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 18.476

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.423	0.000	0.423
2	-15.000	0.000	-0.532	0.000	0.532
3	-10.000	0.000	-0.734	0.000	0.734
4	-8.000	0.000	-0.860	0.000	0.860
5	-6.000	0.000	-1.017	0.000	1.017
6	-5.000	0.000	-1.099	0.000	1.099
7	-4.000	0.000	-1.166	0.000	1.166
8	-3.000	0.000	-1.179	0.000	1.179
9	-2.000	0.000	-1.055	0.000	1.055
10	-1.500	0.000	-0.903	0.000	0.903
11	-1.000	0.000	-0.671	0.000	0.671
12	-0.500	0.000	-0.361	0.000	0.361
13	-0.200	0.000	-0.147	0.000	0.147
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.148	0.000	-0.148
16	0.500	0.000	0.362	0.000	-0.362
17	1.000	0.000	0.672	0.000	-0.672
18	1.500	0.000	0.903	0.000	-0.903
19	2.000	0.000	1.055	0.000	-1.055
20	3.000	0.000	1.179	0.000	-1.179
21	4.000	0.000	1.166	0.000	-1.166
22	5.000	0.000	1.098	0.000	-1.098
23	6.000	0.000	1.015	0.000	-1.015
24	8.000	0.000	0.856	0.000	-0.856
25	10.000	0.000	0.729	0.000	-0.729
26	15.000	0.000	0.520	0.000	-0.520
27	20.000	0.000	0.400	0.000	-0.400

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
0.000	4.000	0	0
0.000	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

0.000  
0.000

3.000  
2.000

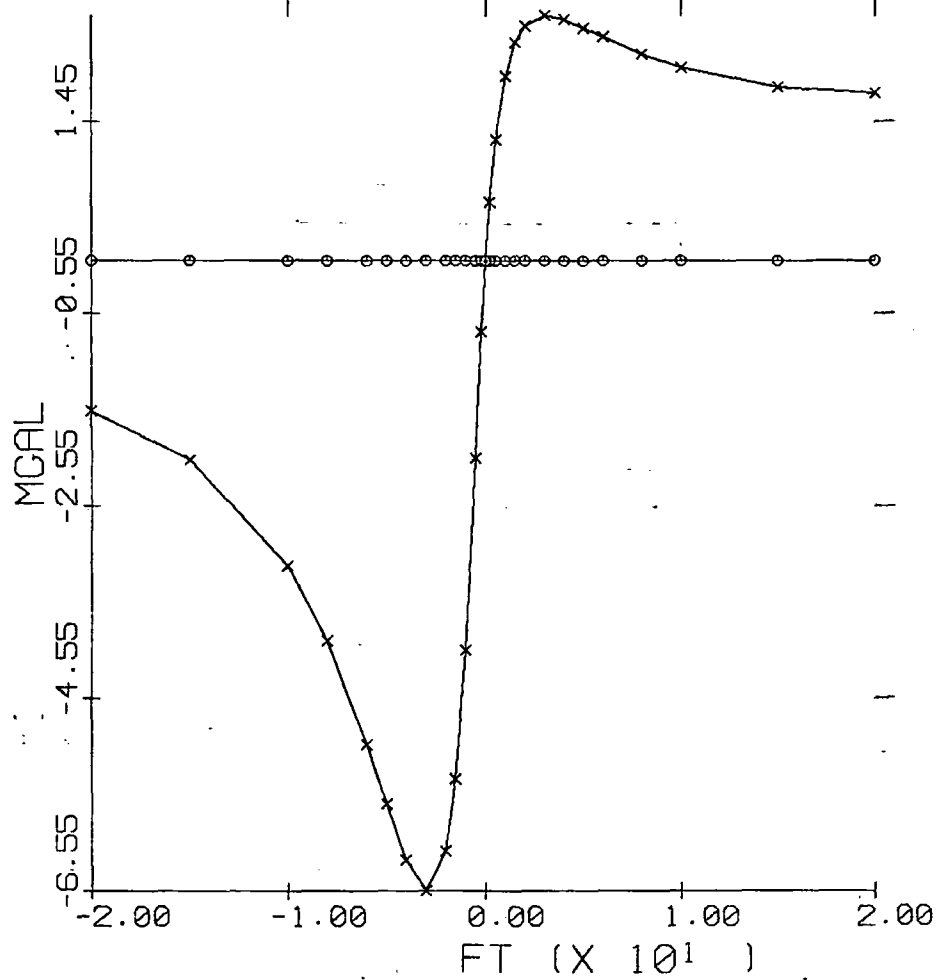
0  
0

0  
0

IC-TUS 1 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12:035  
 NO. OF VECT. 1569  
 NO. OF INCH. 398.  
 X INCHES 8.70  
 Y INCHES 13.75  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

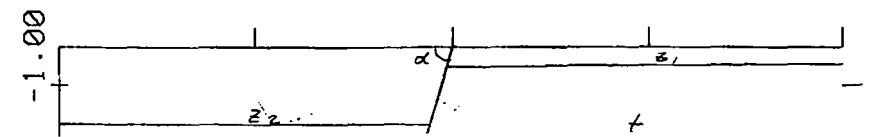
SSR=315.32

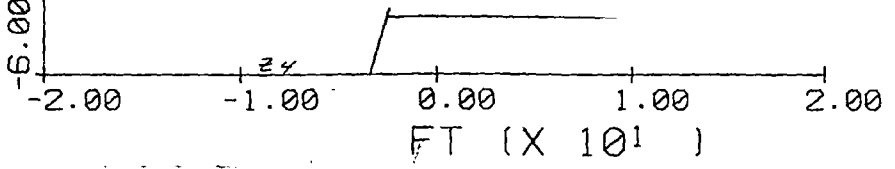


ORIGINAL = O  
 NEW = X

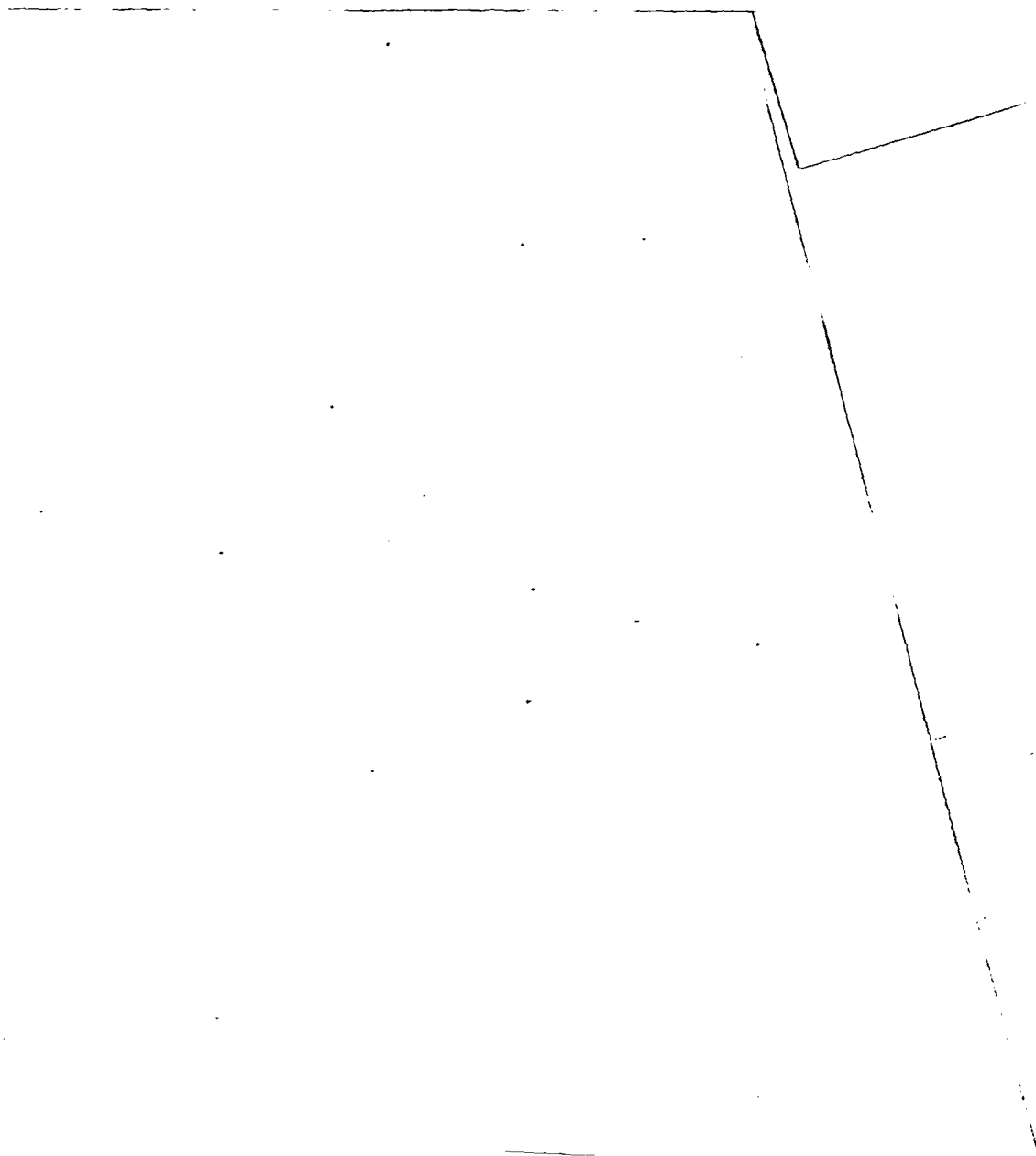
POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 = 500'$   
 $z_2 = 2000'$   
 $z_3 = 4500'$   
 $z_4 = 6000'$   
 $t = 4000'$   
 $\alpha = 60^\circ$





# NORMAL FAULT AFTER TELFORD P



File 6

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 11:58

THE TOTAL SUM OF SQUARES IS 315.316

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2.31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 315.316

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-1.561	0.000	1.561
2	-15.000	0.000	-2.078	0.000	2.078
3	-10.000	0.000	-3.175	0.000	3.175
4	-8.000	0.000	-3.956	0.000	3.956
5	-6.000	0.000	-5.033	0.000	5.033
6	-5.000	0.000	-5.655	0.000	5.655
7	-4.000	0.000	-6.233	0.000	6.233
8	-3.000	0.000	-6.555	0.000	6.555
9	-2.000	0.000	-6.149	0.000	6.149
10	-1.500	0.000	-5.395	0.000	5.395
11	-1.000	0.000	-4.056	0.000	4.056
12	-0.500	0.000	-2.058	0.000	2.058
13	-0.200	0.000	-0.749	0.000	0.749
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.601	0.000	-0.601
16	0.500	0.000	1.259	0.000	-1.259
17	1.000	0.000	1.918	0.000	-1.918
18	1.500	0.000	2.262	0.000	-2.262
19	2.000	0.000	2.438	0.000	-2.438
20	3.000	0.000	2.541	0.000	-2.541
21	4.000	0.000	2.503	0.000	-2.503
22	5.000	0.000	2.418	0.000	-2.418
23	6.000	0.000	2.322	0.000	-2.322
24	8.000	0.000	2.144	0.000	-2.144
25	10.000	0.000	2.004	0.000	-2.004
26	15.000	0.000	1.806	0.000	-1.806
27	20.000	0.000	1.743	0.000	-1.743

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	2.000	0	0
-1.155	2.000	0	0
-3.464	6.000	0	0
-100.000	6.000	0	0
-100.000	2.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-0.289	0.500	0	0
100.000	0.200	0	0
100.000	4.500	0	0

-2.598  
-0.289

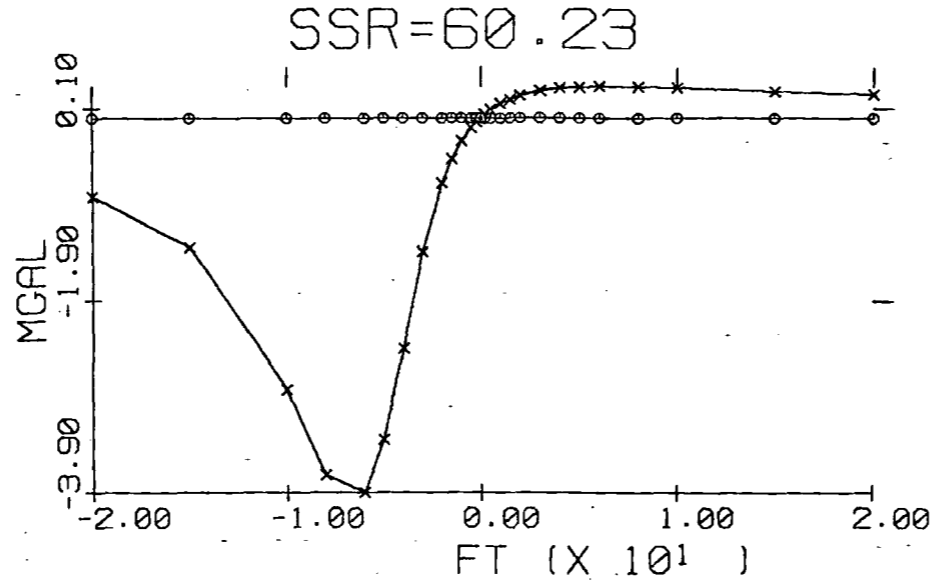
4.500  
0.500

0  
0

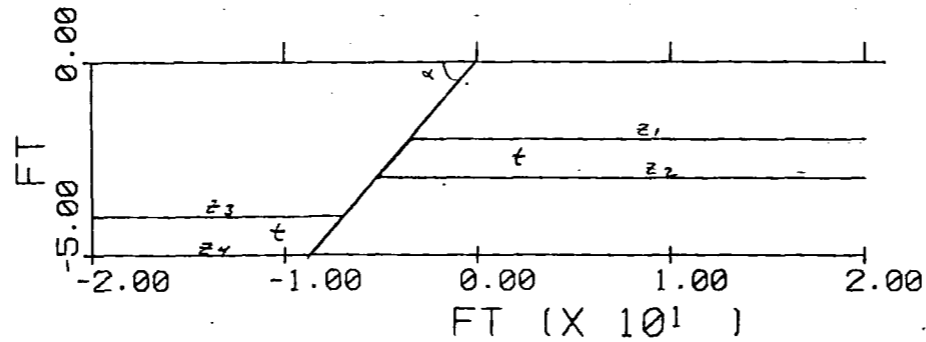
0  
0

IC-TUS 2 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 12:27  
 NO. OF VECT. 1511  
 NO. OF INCH. 317.  
 X INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000

$z_1 = 2000'$   
 $z_2 = 3000'$   
 $z_3 = 4000'$   
 $z_4 = 5000'$   
 $t = 1000'$   
 $\alpha = 30^\circ$

NORMAL FAULT AFTER TELFORD P.76 FIG. 2.3



File 4

WORK FILE HEADER:

GRAVITY MODEL

DATE: 12/10/80 12: 2

THE TOTAL SUM OF SQUARES IS 60.226

\* STATION DATA \*

NORMAL FAULT AFTER TELFORD P. 76 FIG. 2. 31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.226

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.823	0.000	0.823
2	-15.000	0.000	-1.355	0.000	1.355
3	-10.000	0.000	-2.835	0.000	2.835
4	-8.000	0.000	-3.723	0.000	3.723
5	-6.000	0.000	-3.904	0.000	3.904
6	-5.000	0.000	-3.354	0.000	3.354
7	-4.000	0.000	-2.405	0.000	2.405
8	-3.000	0.000	-1.408	0.000	1.408
9	-2.000	0.000	-0.684	0.000	0.684
10	-1.500	0.000	-0.436	0.000	0.436
11	-1.000	0.000	-0.249	0.000	0.249
12	-0.500	0.000	-0.107	0.000	0.107
13	-0.200	0.000	-0.039	0.000	0.039
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.035	0.000	-0.035
16	0.500	0.000	0.081	0.000	-0.081
17	1.000	0.000	0.143	0.000	-0.143
18	1.500	0.000	0.191	0.000	-0.191
19	2.000	0.000	0.227	0.000	-0.227
20	3.000	0.000	0.275	0.000	-0.275
21	4.000	0.000	0.302	0.000	-0.302
22	5.000	0.000	0.316	0.000	-0.316
23	6.000	0.000	0.323	0.000	-0.323
24	8.000	0.000	0.321	0.000	-0.321
25	10.000	0.000	0.311	0.000	-0.311
26	15.000	0.000	0.276	0.000	-0.276
27	20.000	0.000	0.242	0.000	-0.242

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-100.000	4.000	0	0
-6.928	4.000	0	0
-8.660	5.000	0	0
-100.000	5.000	0	0
-100.000	4.000	0	0

POLYGON NO. 2

DENSITY = 1.00000  
STRIKE LENGTH 1 = \$50000.000  
STRIKE LENGTH 2 = \$50000.000  
SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-3.464	2.000	0	0
100.000	2.000	0	0
100.000	3.000	0	0

THE TOTAL SUM OF SQUARES IS 10.00000

ADJUSTED TOTAL SUM OF SQUARES IS 10.00000

THE TOTAL SUM OF SQUARES IS 10.00000

STATION	TO STATION ELEVATION	ADJUSTED ELEVATION	ADJUSTED DISTANCE	ADJUSTED GRAVITY
1	2	100.000	1.000	9.800
2	3	100.000	1.000	9.800
3	4	100.000	1.000	9.800
4	5	100.000	1.000	9.800
5	6	100.000	1.000	9.800
6	7	100.000	1.000	9.800
7	8	100.000	1.000	9.800
8	9	100.000	1.000	9.800
9	10	100.000	1.000	9.800
10	11	100.000	1.000	9.800
11	12	100.000	1.000	9.800
12	13	100.000	1.000	9.800
13	14	100.000	1.000	9.800
14	15	100.000	1.000	9.800
15	16	100.000	1.000	9.800
16	17	100.000	1.000	9.800
17	18	100.000	1.000	9.800
18	19	100.000	1.000	9.800
19	20	100.000	1.000	9.800
20	21	100.000	1.000	9.800
21	22	100.000	1.000	9.800
22	23	100.000	1.000	9.800
23	24	100.000	1.000	9.800
24	25	100.000	1.000	9.800
25	26	100.000	1.000	9.800
26	27	100.000	1.000	9.800
27	28	100.000	1.000	9.800
28	29	100.000	1.000	9.800
29	30	100.000	1.000	9.800
30	31	100.000	1.000	9.800
31	32	100.000	1.000	9.800
32	33	100.000	1.000	9.800
33	34	100.000	1.000	9.800
34	35	100.000	1.000	9.800
35	36	100.000	1.000	9.800
36	37	100.000	1.000	9.800
37	38	100.000	1.000	9.800
38	39	100.000	1.000	9.800
39	40	100.000	1.000	9.800
40	41	100.000	1.000	9.800
41	42	100.000	1.000	9.800
42	43	100.000	1.000	9.800
43	44	100.000	1.000	9.800
44	45	100.000	1.000	9.800
45	46	100.000	1.000	9.800
46	47	100.000	1.000	9.800
47	48	100.000	1.000	9.800
48	49	100.000	1.000	9.800
49	50	100.000	1.000	9.800
50	51	100.000	1.000	9.800
51	52	100.000	1.000	9.800
52	53	100.000	1.000	9.800
53	54	100.000	1.000	9.800
54	55	100.000	1.000	9.800
55	56	100.000	1.000	9.800
56	57	100.000	1.000	9.800
57	58	100.000	1.000	9.800
58	59	100.000	1.000	9.800
59	60	100.000	1.000	9.800
60	61	100.000	1.000	9.800
61	62	100.000	1.000	9.800
62	63	100.000	1.000	9.800
63	64	100.000	1.000	9.800
64	65	100.000	1.000	9.800
65	66	100.000	1.000	9.800
66	67	100.000	1.000	9.800
67	68	100.000	1.000	9.800
68	69	100.000	1.000	9.800
69	70	100.000	1.000	9.800
70	71	100.000	1.000	9.800
71	72	100.000	1.000	9.800
72	73	100.000	1.000	9.800
73	74	100.000	1.000	9.800
74	75	100.000	1.000	9.800
75	76	100.000	1.000	9.800

POLYMER NO.	WEIGHT	STRAIN LENGTH	STRAIN LENGTH	STRAIN LENGTH
1	1.00000	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000	1.00000
5	1.00000	1.00000	1.00000	1.00000
6	1.00000	1.00000	1.00000	1.00000
7	1.00000	1.00000	1.00000	1.00000
8	1.00000	1.00000	1.00000	1.00000
9	1.00000	1.00000	1.00000	1.00000
10	1.00000	1.00000	1.00000	1.00000
11	1.00000	1.00000	1.00000	1.00000
12	1.00000	1.00000	1.00000	1.00000
13	1.00000	1.00000	1.00000	1.00000
14	1.00000	1.00000	1.00000	1.00000
15	1.00000	1.00000	1.00000	1.00000
16	1.00000	1.00000	1.00000	1.00000
17	1.00000	1.00000	1.00000	1.00000
18	1.00000	1.00000	1.00000	1.00000
19	1.00000	1.00000	1.00000	1.00000
20	1.00000	1.00000	1.00000	1.00000
21	1.00000	1.00000	1.00000	1.00000
22	1.00000	1.00000	1.00000	1.00000
23	1.00000	1.00000	1.00000	1.00000
24	1.00000	1.00000	1.00000	1.00000
25	1.00000	1.00000	1.00000	1.00000
26	1.00000	1.00000	1.00000	1.00000
27	1.00000	1.00000	1.00000	1.00000
28	1.00000	1.00000	1.00000	1.00000
29	1.00000	1.00000	1.00000	1.00000
30	1.00000	1.00000	1.00000	1.00000
31	1.00000	1.00000	1.00000	1.00000
32	1.00000	1.00000	1.00000	1.00000
33	1.00000	1.00000	1.00000	1.00000
34	1.00000	1.00000	1.00000	1.00000
35	1.00000	1.00000	1.00000	1.00000
36	1.00000	1.00000	1.00000	1.00000
37	1.00000	1.00000	1.00000	1.00000
38	1.00000	1.00000	1.00000	1.00000
39	1.00000	1.00000	1.00000	1.00000
40	1.00000	1.00000	1.00000	1.00000
41	1.00000	1.00000	1.00000	1.00000
42	1.00000	1.00000	1.00000	1.00000
43	1.00000	1.00000	1.00000	1.00000
44	1.00000	1.00000	1.00000	1.00000
45	1.00000	1.00000	1.00000	1.00000
46	1.00000	1.00000	1.00000	1.00000
47	1.00000	1.00000	1.00000	1.00000
48	1.00000	1.00000	1.00000	1.00000
49	1.00000	1.00000	1.00000	1.00000
50	1.00000	1.00000	1.00000	1.00000
51	1.00000	1.00000	1.00000	1.00000
52	1.00000	1.00000	1.00000	1.00000
53	1.00000	1.00000	1.00000	1.00000
54	1.00000	1.00000	1.00000	1.00000
55	1.00000	1.00000	1.00000	1.00000
56	1.00000	1.00000	1.00000	1.00000
57	1.00000	1.00000	1.00000	1.00000
58	1.00000	1.00000	1.00000	1.00000
59	1.00000	1.00000	1.00000	1.00000
60	1.00000	1.00000	1.00000	1.00000
61	1.00000	1.00000	1.00000	1.00000
62	1.00000	1.00000	1.00000	1.00000
63	1.00000	1.00000	1.00000	1.00000
64	1.00000	1.00000	1.00000	1.00000
65	1.00000	1.00000	1.00000	1.00000
66	1.00000	1.00000	1.00000	1.00000
67	1.00000	1.00000	1.00000	1.00000
68	1.00000	1.00000	1.00000	1.00000
69	1.00000	1.00000	1.00000	1.00000
70	1.00000	1.00000	1.00000	1.00000
71	1.00000	1.00000	1.00000	1.00000
72	1.00000	1.00000	1.00000	1.00000
73	1.00000	1.00000	1.00000	1.00000
74	1.00000	1.00000	1.00000	1.00000
75	1.00000	1.00000	1.00000	1.00000

-5.196  
-3.464

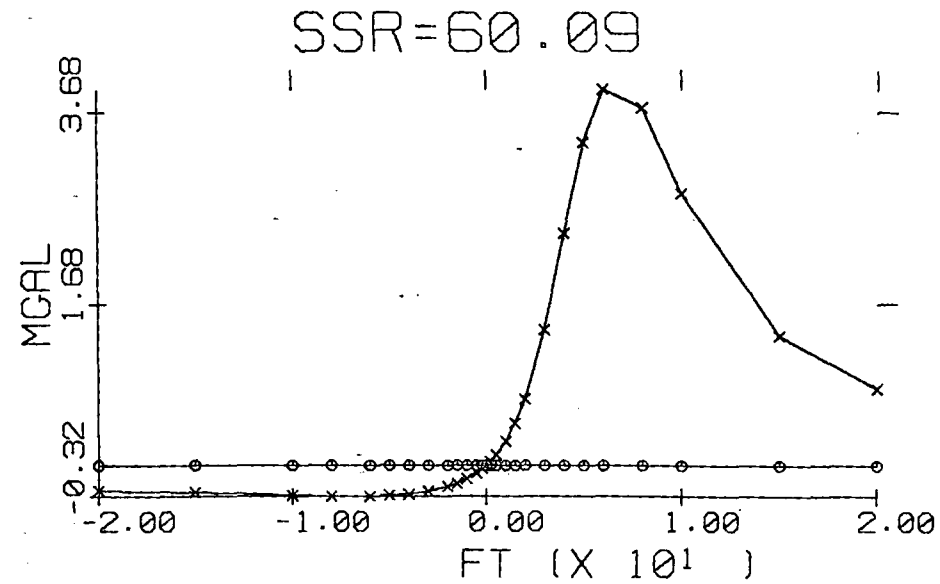
3.000  
2.000

0  
0

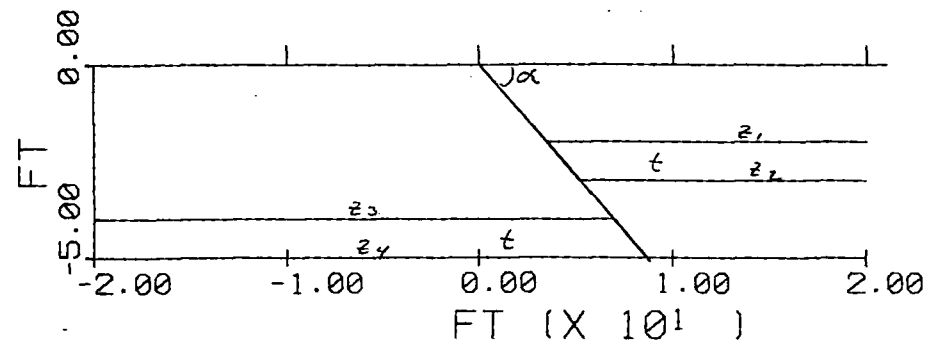
0  
0

IC-TUS 1 OF 2

PLOT DATE 12/10/80  
 PLOT TIME 13:13:42  
 NO. OF VECT. 1528  
 NO. OF INCH. 318.  
 X INCHES 8.70  
 Y INCHES 11.31  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = ○  
 NEW = ×



POLYGON NO.	DENSITY CONTRAST
1	1.00000
2	1.00000
$z_1$	-2000'
$z_2$	-3000'
$z_3$	-4000'
$z_4$	-5000'
$t$	-1000'
$\alpha$	-30°

FAULT AFTER TELFORD P.76 FIG. 2.31

File 5

WORK FILE HEADER:  
GRAVITY MODEL

DATE: 12/10/80 13:13

THE TOTAL SUM OF SQUARES IS 60.087

\* STATION DATA \*

REVERSE FAULT AFTER TELFORD P. 76 FIG. 2. 31

UNITS OF DISTANCE IS KILOFT

STATION # OR MATCH PT IS 14

THE TOTAL SUM OF SQUARES IS 60.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-20.000	0.000	-0.265	0.000	0.265
2	-15.000	0.000	-0.289	0.000	0.289
3	-10.000	0.000	-0.317	0.000	0.317
4	-8.000	0.000	-0.325	0.000	0.325
5	-6.000	0.000	-0.325	0.000	0.325
6	-5.000	0.000	-0.318	0.000	0.318
7	-4.000	0.000	-0.303	0.000	0.303
8	-3.000	0.000	-0.275	0.000	0.275
9	-2.000	0.000	-0.227	0.000	0.227
10	-1.500	0.000	-0.191	0.000	0.191
11	-1.000	0.000	-0.143	0.000	0.143
12	-0.500	0.000	-0.081	0.000	0.081
13	-0.200	0.000	-0.035	0.000	0.035
14	0.000	0.000	0.000	0.000	0.000
15	0.200	0.000	0.039	0.000	-0.039
16	0.500	0.000	0.107	0.000	-0.107
17	1.000	0.000	0.249	0.000	-0.249
18	1.500	0.000	0.436	0.000	-0.436
19	2.000	0.000	0.683	0.000	-0.683
20	3.000	0.000	1.407	0.000	-1.407
21	4.000	0.000	2.404	0.000	-2.404
22	5.000	0.000	3.353	0.000	-3.353
23	6.000	0.000	3.902	0.000	-3.902
24	8.000	0.000	3.720	0.000	-3.720
25	10.000	0.000	2.829	0.000	-2.829
26	15.000	0.000	1.342	0.000	-1.342
27	20.000	0.000	0.800	0.000	-0.800

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE

Z VERTICE

VERT. SEARCH NO.

HOR. SEARCH NO.

-100.000

4.000

0

0

6.928

4.000

0

0

8.660

5.000

0

0

-100.000

5.000

0

0

-100.000

4.000

0

0

POLYGON NO. 2

DENSITY = 1.00000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE

Z VERTICE

VERT. SEARCH NO.

HOR. SEARCH NO.

3.464

2.000

0

0

100.000

2.000

0

0

100.000

3.000

0

0

STATION DATA

THE TOTAL SUM OF SQUARES IS 0.000000

STATION DATA

STATION DATA

THE TOTAL SUM OF SQUARES IS 0.000000

STATION	TO STATION	TO STATION ELEVATION	COMPUTED	ADJUSTED
1	2	100.000	100.000	100.000
2	3	100.000	100.000	100.000
3	4	100.000	100.000	100.000
4	5	100.000	100.000	100.000
5	6	100.000	100.000	100.000
6	7	100.000	100.000	100.000
7	8	100.000	100.000	100.000
8	9	100.000	100.000	100.000
9	10	100.000	100.000	100.000
10	11	100.000	100.000	100.000
11	12	100.000	100.000	100.000
12	13	100.000	100.000	100.000
13	14	100.000	100.000	100.000
14	15	100.000	100.000	100.000
15	16	100.000	100.000	100.000
16	17	100.000	100.000	100.000
17	18	100.000	100.000	100.000
18	19	100.000	100.000	100.000
19	20	100.000	100.000	100.000
20	21	100.000	100.000	100.000
21	22	100.000	100.000	100.000
22	23	100.000	100.000	100.000
23	24	100.000	100.000	100.000
24	25	100.000	100.000	100.000
25	26	100.000	100.000	100.000
26	27	100.000	100.000	100.000
27	28	100.000	100.000	100.000
28	29	100.000	100.000	100.000
29	30	100.000	100.000	100.000
30	31	100.000	100.000	100.000
31	32	100.000	100.000	100.000
32	33	100.000	100.000	100.000
33	34	100.000	100.000	100.000
34	35	100.000	100.000	100.000
35	36	100.000	100.000	100.000
36	37	100.000	100.000	100.000
37	38	100.000	100.000	100.000
38	39	100.000	100.000	100.000
39	40	100.000	100.000	100.000
40	41	100.000	100.000	100.000
41	42	100.000	100.000	100.000
42	43	100.000	100.000	100.000
43	44	100.000	100.000	100.000
44	45	100.000	100.000	100.000
45	46	100.000	100.000	100.000
46	47	100.000	100.000	100.000
47	48	100.000	100.000	100.000

STATION	TO STATION	TO STATION ELEVATION	COMPUTED	ADJUSTED
48	49	100.000	100.000	100.000
49	50	100.000	100.000	100.000
50	51	100.000	100.000	100.000
51	52	100.000	100.000	100.000
52	53	100.000	100.000	100.000
53	54	100.000	100.000	100.000
54	55	100.000	100.000	100.000
55	56	100.000	100.000	100.000
56	57	100.000	100.000	100.000
57	58	100.000	100.000	100.000
58	59	100.000	100.000	100.000
59	60	100.000	100.000	100.000
60	61	100.000	100.000	100.000
61	62	100.000	100.000	100.000
62	63	100.000	100.000	100.000
63	64	100.000	100.000	100.000
64	65	100.000	100.000	100.000
65	66	100.000	100.000	100.000
66	67	100.000	100.000	100.000
67	68	100.000	100.000	100.000
68	69	100.000	100.000	100.000
69	70	100.000	100.000	100.000
70	71	100.000	100.000	100.000
71	72	100.000	100.000	100.000
72	73	100.000	100.000	100.000
73	74	100.000	100.000	100.000
74	75	100.000	100.000	100.000
75	76	100.000	100.000	100.000
76	77	100.000	100.000	100.000
77	78	100.000	100.000	100.000
78	79	100.000	100.000	100.000
79	80	100.000	100.000	100.000

5.196  
3.464

3.000  
2.000

0  
0

0  
0

3x

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/11/80 9:35

THE TOTAL SUM OF SQUARES IS 0.027

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.027

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	0.007	0.000	-0.007
2	-2500.000	0.000	0.018	0.000	-0.018
3	-2000.000	0.000	0.022	0.000	-0.022
4	-1500.000	0.000	0.029	0.000	-0.029
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.039	0.000	0.039
17	1250.000	0.000	-0.034	0.000	0.034
18	1500.000	0.000	-0.029	0.000	0.029
19	2000.000	0.000	-0.023	0.000	0.023
20	2500.000	0.000	-0.019	0.000	0.019
21	5000.000	0.000	-0.014	0.000	0.014

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-15000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-15000.000	400.000	0	0
-15000.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
15000.000	400.000	0	0
15000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0



DATE	DESCRIPTION	AMOUNT	BALANCE
1950-01-01	Opening Balance	100.00	100.00
1950-01-15	Deposit	50.00	150.00
1950-02-01	Withdrawal	25.00	125.00
1950-02-15	Deposit	75.00	200.00
1950-03-01	Withdrawal	100.00	100.00
1950-03-15	Deposit	50.00	150.00
1950-04-01	Withdrawal	25.00	125.00
1950-04-15	Deposit	75.00	200.00
1950-05-01	Withdrawal	100.00	100.00
1950-05-15	Deposit	50.00	150.00
1950-06-01	Withdrawal	25.00	125.00
1950-06-15	Deposit	75.00	200.00
1950-07-01	Withdrawal	100.00	100.00
1950-07-15	Deposit	50.00	150.00
1950-08-01	Withdrawal	25.00	125.00
1950-08-15	Deposit	75.00	200.00
1950-09-01	Withdrawal	100.00	100.00
1950-09-15	Deposit	50.00	150.00
1950-10-01	Withdrawal	25.00	125.00
1950-10-15	Deposit	75.00	200.00
1950-11-01	Withdrawal	100.00	100.00
1950-11-15	Deposit	50.00	150.00
1950-12-01	Withdrawal	25.00	125.00
1950-12-15	Deposit	75.00	200.00
1951-01-01	Balance Forward		200.00

DATE	DESCRIPTION	AMOUNT	BALANCE
1951-01-15	Deposit	50.00	250.00
1951-02-01	Withdrawal	25.00	225.00
1951-02-15	Deposit	75.00	300.00
1951-03-01	Withdrawal	100.00	200.00
1951-03-15	Deposit	50.00	250.00
1951-04-01	Withdrawal	25.00	225.00
1951-04-15	Deposit	75.00	300.00
1951-05-01	Withdrawal	100.00	200.00
1951-05-15	Deposit	50.00	250.00
1951-06-01	Withdrawal	25.00	225.00
1951-06-15	Deposit	75.00	300.00
1951-07-01	Withdrawal	100.00	200.00
1951-07-15	Deposit	50.00	250.00
1951-08-01	Withdrawal	25.00	225.00
1951-08-15	Deposit	75.00	300.00
1951-09-01	Withdrawal	100.00	200.00
1951-09-15	Deposit	50.00	250.00
1951-10-01	Withdrawal	25.00	225.00
1951-10-15	Deposit	75.00	300.00
1951-11-01	Withdrawal	100.00	200.00
1951-11-15	Deposit	50.00	250.00
1951-12-01	Withdrawal	25.00	225.00
1951-12-15	Deposit	75.00	300.00
1952-01-01	Balance Forward		300.00

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
15000.000	500.000	0	0
15000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-15000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-15000.000	500.000	0	0
-15000.000	400.000	0	0

4X

WORK FILE HEADER:  
WASTE STORAGE

DATE: 12/11/80 9:33

THE TOTAL SUM OF SQUARES IS 0.027

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.027

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	0.009	0.000	-0.009
2	-2500.000	0.000	0.018	0.000	-0.018
3	-2000.000	0.000	0.022	0.000	-0.022
4	-1500.000	0.000	0.029	0.000	-0.029
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.039	0.000	0.039
17	1250.000	0.000	-0.033	0.000	0.033
18	1500.000	0.000	-0.029	0.000	0.029
19	2000.000	0.000	-0.023	0.000	0.023
20	2500.000	0.000	-0.019	0.000	0.019
21	5000.000	0.000	-0.011	0.000	0.011

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.20000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-20000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-20000.000	400.000	0	0
-20000.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.20000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
20000.000	400.000	0	0
20000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3

DENSITY = 0.15000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
20000.000	500.000	0	0
20000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0
POLYGON NO. 4	DENSITY =	0.15000	
	STRIKE LENGTH 1 =	\$50000.000	
	STRIKE LENGTH 2 =	\$50000.000	
	SEARCH NO. =	0	
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-20000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-20000.000	500.000	0	0
-20000.000	400.000	0	0

## WORK FILE HEADER:

WASTE STORAGE

DATE: 12/11/80 9:12

THE TOTAL SUM OF SQUARES IS

0.090

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS

0.090

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-2200.000	0.000	0.015	0.000	-0.015
2	-2000.000	0.000	0.018	0.000	-0.018
3	-1800.000	0.000	0.021	0.000	-0.021
4	-1600.000	0.000	0.025	0.000	-0.025
5	-1400.000	0.000	0.029	0.000	-0.029
6	-1200.000	0.000	0.033	0.000	-0.033
7	-1000.000	0.000	0.038	0.000	-0.038
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.041	0.000	-0.041
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.053	0.000	-0.053
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.046	0.000	-0.046
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.046	0.000	0.046
33	300.000	0.000	-0.050	0.000	0.050
34	350.000	0.000	-0.052	0.000	0.052
35	400.000	0.000	-0.053	0.000	0.053
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.053	0.000	0.053
38	550.000	0.000	-0.052	0.000	0.052
39	600.000	0.000	-0.051	0.000	0.051
40	650.000	0.000	-0.050	0.000	0.050
41	700.000	0.000	-0.049	0.000	0.049
42	750.000	0.000	-0.047	0.000	0.047
43	800.000	0.000	-0.046	0.000	0.046
44	850.000	0.000	-0.045	0.000	0.045
45	900.000	0.000	-0.044	0.000	0.044
46	950.000	0.000	-0.042	0.000	0.042

47	1000.000	0.000	-0.041	0.000	0.041
48	1200.000	0.000	-0.038	0.000	0.038
49	1400.000	0.000	-0.035	0.000	0.035
50	1600.000	0.000	-0.033	0.000	0.033
51	1800.000	0.000	-0.031	0.000	0.031
52	2000.000	0.000	-0.031	0.000	0.031
53	2200.000	0.000	-0.031	0.000	0.031

\* MODEL DATA \*

POLYGON NO. 1      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-6600.000	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
-6600.000	500.000	0	0
-6600.000	300.000	0	0

POLYGON NO. 2      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
6600.000	400.000	0	0
6600.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS      0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS      0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS      0

\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) =      0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

4X

WORK FILE HEADER:  
WASTE STORAGE

DATE: 12/11/80 9:18

THE TOTAL SUM OF SQUARES IS 0.089

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS 0.089

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-2200.000	0.000	0.019	0.000	-0.019
2	-2000.000	0.000	0.021	0.000	-0.021
3	-1800.000	0.000	0.023	0.000	-0.023
4	-1600.000	0.000	0.026	0.000	-0.026
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.041	0.000	-0.041
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.053	0.000	-0.053
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.046	0.000	-0.046
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.046	0.000	0.046
33	300.000	0.000	-0.049	0.000	0.049
34	350.000	0.000	-0.051	0.000	0.051
35	400.000	0.000	-0.053	0.000	0.053
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.052	0.000	0.052
38	550.000	0.000	-0.052	0.000	0.052
39	600.000	0.000	-0.051	0.000	0.051
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.048	0.000	0.048
42	750.000	0.000	-0.047	0.000	0.047
43	800.000	0.000	-0.045	0.000	0.045
44	850.000	0.000	-0.044	0.000	0.044
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.041	0.000	0.041

47	1000.000	0.000	-0.040	0.000	0.040
48	1200.000	0.000	-0.036	0.000	0.036
49	1400.000	0.000	-0.032	0.000	0.032
50	1600.000	0.000	-0.030	0.000	0.030
51	1800.000	0.000	-0.028	0.000	0.028
52	2000.000	0.000	-0.026	0.000	0.026
53	2200.000	0.000	-0.025	0.000	0.025

\* MODEL DATA \*

POLYGON NO. 1

DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-8800.000	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
-8800.000	500.000	0	0
-8800.000	300.000	0	0

POLYGON NO. 2

DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
8800.000	400.000	0	0
8800.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0



5\*

WORK FILE HEADER:  
WASTE STORAGE

DATE: 12/11/80 9: 9

THE TOTAL SUM OF SQUARES IS 0.088

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT  
UNITS OF DISTANCE IS METERS  
STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS 0.088

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.042	0.000	-0.042
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.052	0.000	-0.052
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.046	0.000	-0.046
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.046	0.000	0.046
33	300.000	0.000	-0.049	0.000	0.049
34	350.000	0.000	-0.051	0.000	0.051
35	400.000	0.000	-0.052	0.000	0.052
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.052	0.000	0.052
38	550.000	0.000	-0.051	0.000	0.051
39	600.000	0.000	-0.050	0.000	0.050
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.048	0.000	0.048
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.045	0.000	0.045
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.041	0.000	0.041

47	1000.000	0.000	-0.039	0.000	0.039
48	1200.000	0.000	-0.035	0.000	0.035
49	1400.000	0.000	-0.031	0.000	0.031
50	1600.000	0.000	-0.028	0.000	0.028
51	1800.000	0.000	-0.026	0.000	0.026
52	2000.000	0.000	-0.024	0.000	0.024
53	2200.000	0.000	-0.023	0.000	0.023

\* MODEL DATA \*

POLYGON NO. 1      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-11000.000	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
-11000.000	500.000	0	0
-11000.000	300.000	0	0

POLYGON NO. 2      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
11000.000	400.000	0	0
11000.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS      0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS      0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS      0

\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) =      0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

10x

## WORK FILE HEADER:

WASTE STORAGE

DATE: 12/11/80 9: 6

THE TOTAL SUM OF SQUARES IS

0.087

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS

0.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COM
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.042	0.000	-0.042
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.052	0.000	-0.052
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.045	0.000	-0.045
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.046	0.000	0.046
33	300.000	0.000	-0.049	0.000	0.049
34	350.000	0.000	-0.051	0.000	0.051
35	400.000	0.000	-0.052	0.000	0.052
36	450.000	0.000	-0.052	0.000	0.052
37	500.000	0.000	-0.052	0.000	0.052
38	550.000	0.000	-0.051	0.000	0.051
39	600.000	0.000	-0.050	0.000	0.050
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.047	0.000	0.047
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.044	0.000	0.044
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.040	0.000	0.040

47	1000.000	0.000	-0.039	0.000	0.039
48	1200.000	0.000	-0.034	0.000	0.034
49	1400.000	0.000	-0.030	0.000	0.030
50	1600.000	0.000	-0.027	0.000	0.027
51	1800.000	0.000	-0.025	0.000	0.025
52	2000.000	0.000	-0.023	0.000	0.023
53	2200.000	0.000	-0.021	0.000	0.021

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-22000.000	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
-22000.000	500.000	0	0
-22000.000	300.000	0	0

POLYGON NO. 2      DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
22000.000	400.000	0	0
22000.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

22.7 x

WORK FILE HEADER:  
WASTE STORAGE

DATE: 12/11/80 9: 5

THE TOTAL SUM OF SQUARES IS 0.087

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS 0.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERE OBS-COM
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.041	0.000	-0.041
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.052	0.000	-0.052
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.045	0.000	-0.045
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.045	0.000	0.045
33	300.000	0.000	-0.049	0.000	0.049
34	350.000	0.000	-0.051	0.000	0.051
35	400.000	0.000	-0.052	0.000	0.052
36	450.000	0.000	-0.052	0.000	0.052
37	500.000	0.000	-0.052	0.000	0.052
38	550.000	0.000	-0.051	0.000	0.051
39	600.000	0.000	-0.050	0.000	0.050
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.047	0.000	0.047
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.044	0.000	0.044
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.041	0.000	0.041
46	950.000	0.000	-0.040	0.000	0.040

47	1000.000	0.000	-0.039	0.000	0.03
48	1200.000	0.000	-0.034	0.000	0.03
49	1400.000	0.000	-0.030	0.000	0.03
50	1600.000	0.000	-0.027	0.000	0.02
51	1800.000	0.000	-0.024	0.000	0.02
52	2000.000	0.000	-0.022	0.000	0.02
53	2200.000	0.000	-0.020	0.000	0.02

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-50000.000	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
-50000.000	500.000	0	0
-50000.000	300.000	0	0

POLYGON NO. 2      DENSITY = 0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
50000.000	400.000	0	0
50000.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0

\* SEARCH DATA \*

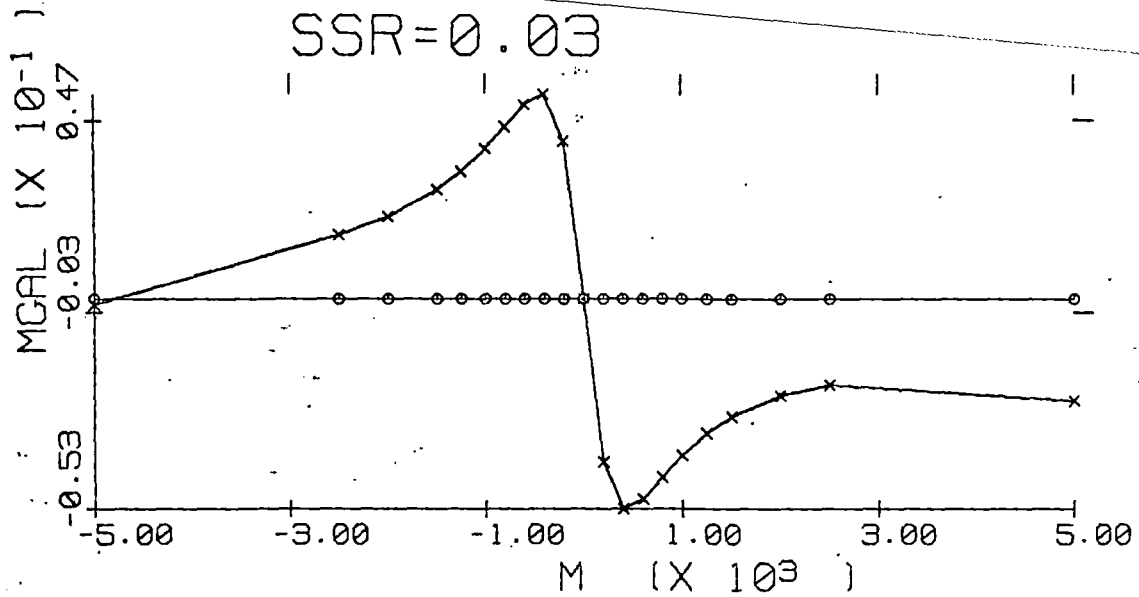
NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

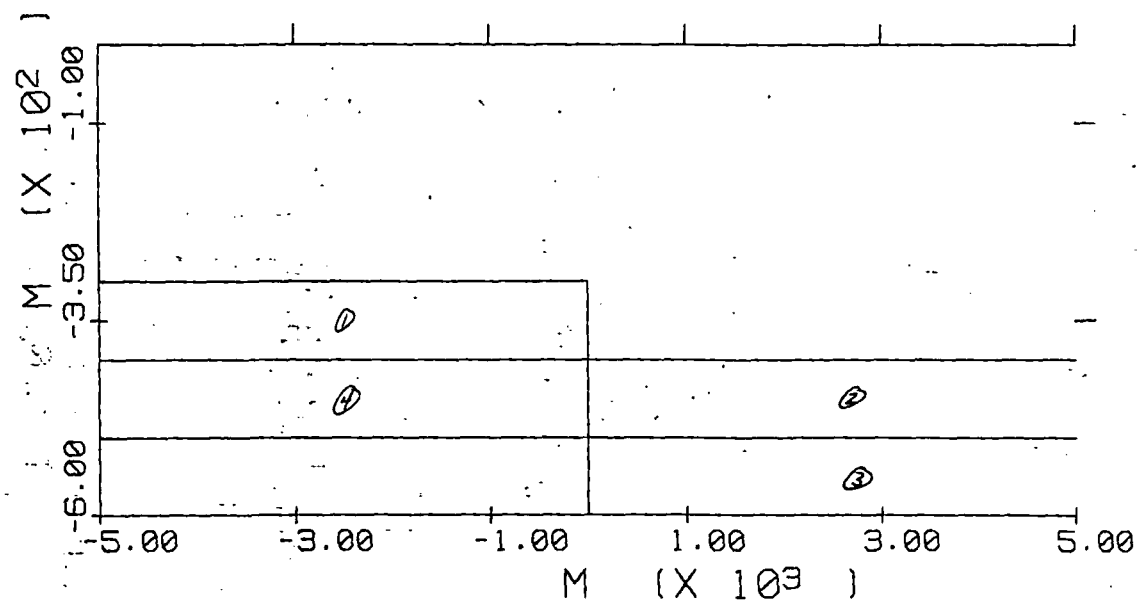
HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

F 2

'09/80  
56.23  
1665  
388.  
9.70  
11.33  
1  
0



POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:55

THE TOTAL SUM OF SQUARES IS 0.028

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.028

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COM
1	-5000.000	0.000	-0.001	0.000	0.001
2	-2500.000	0.000	0.017	0.000	-0.017
3	-2000.000	0.000	0.021	0.000	-0.021
4	-1500.000	0.000	0.028	0.000	-0.028
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.040	0.000	0.040
17	1250.000	0.000	-0.034	0.000	0.034
18	1500.000	0.000	-0.030	0.000	0.030
19	2000.000	0.000	-0.025	0.000	0.025
20	2500.000	0.000	-0.022	0.000	0.022
21	5000.000	0.000	-0.026	0.000	0.026

\* MODEL DATA \*

POLYGON NO. 1 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
-10000.000	400.000	0	0
-10000.000	300.000	0	0

POLYGON NO. 2 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
10000.000	400.000	0	0
10000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3 DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0



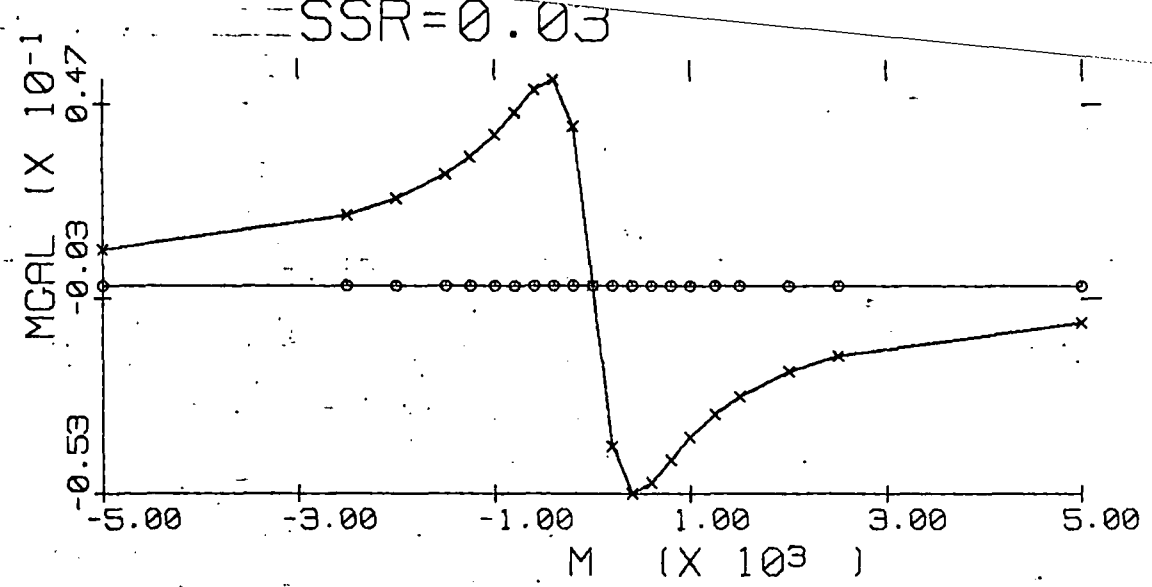
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0

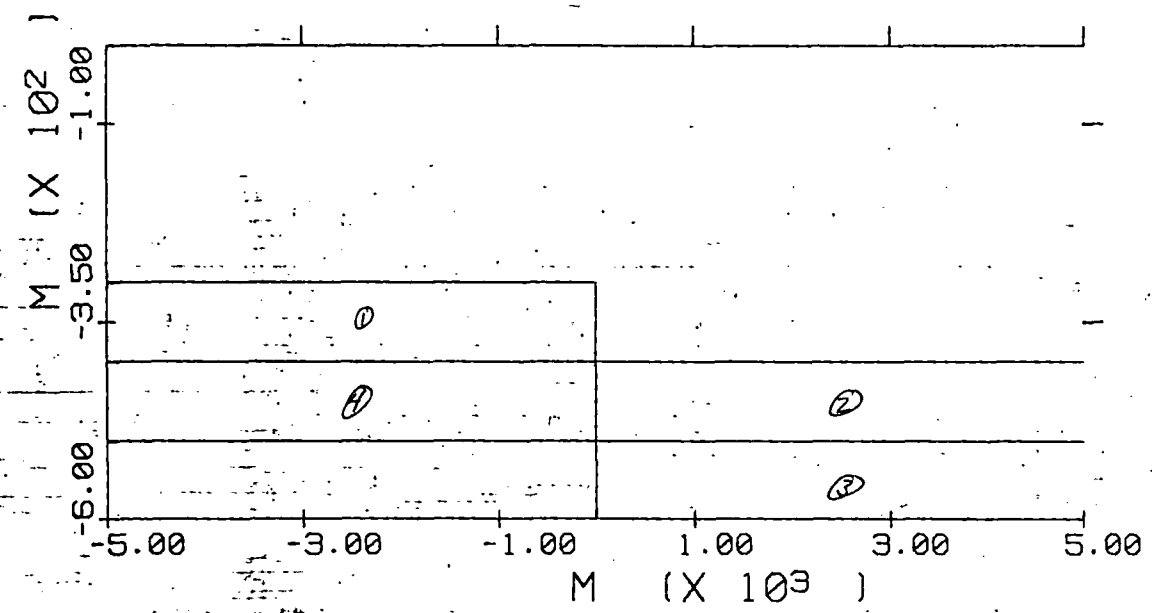
SSR=0.03



ORIGINAL = O  
NEW = X

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000

OF 2  
12/09/80  
16.033  
Γ. 1665  
t. 387.  
9.70  
11.33  
IPS 1  
IES 0



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:59

THE TOTAL SUM OF SQUARES IS 0.027

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.027

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	0.009	0.000	-0.009
2	-2500.000	0.000	0.018	0.000	-0.018
3	-2000.000	0.000	0.022	0.000	-0.022
4	-1500.000	0.000	0.029	0.000	-0.029
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	-0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.039	0.000	0.039
17	1250.000	0.000	-0.033	0.000	0.033
18	1500.000	0.000	-0.029	0.000	0.029
19	2000.000	0.000	-0.022	0.000	0.022
20	2500.000	0.000	-0.018	0.000	0.018
21	5000.000	0.000	-0.009	0.000	0.009

\* MODEL DATA \*

POLYGON NO. 1 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3 DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

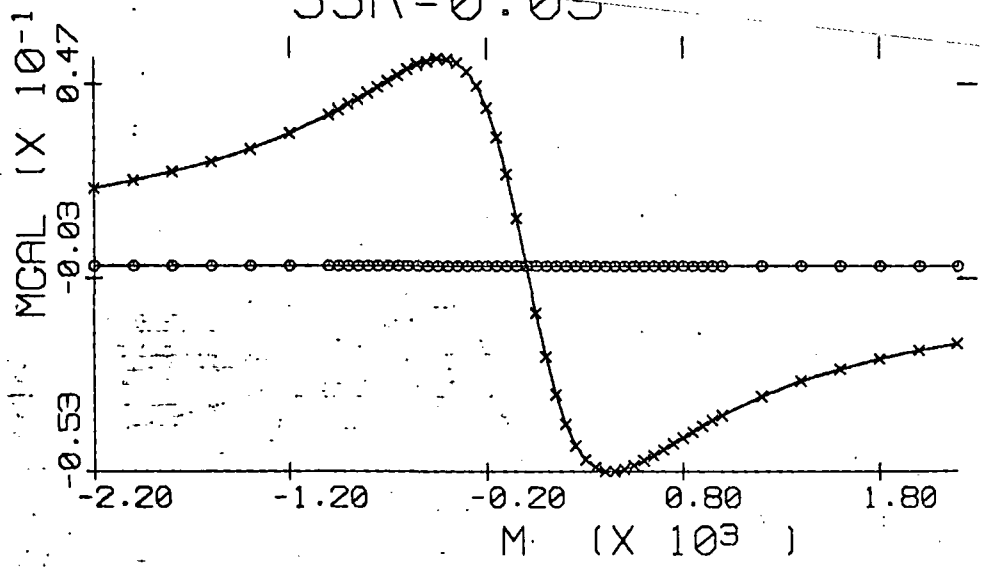
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4

DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

SSR=0.05

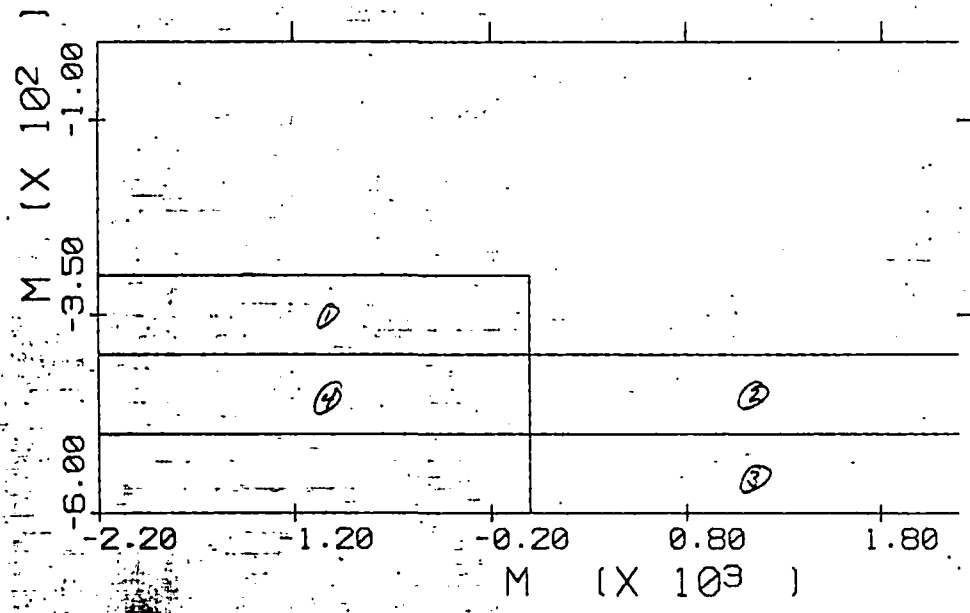


1 OF 1

DATE 12/09/80  
 TIME 16:27:17  
 OF VECT. 2053  
 OF INCH. 437.  
 VCHES 9.10  
 VCHES 11.33  
 OF STRIPS 1  
 OF COPIES 0

ORIGINAL = ○  
 NEW = X

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 16:26

THE TOTAL SUM OF SQUARES IS 0.089

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS 0.089

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCI OBS-COMP
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.042	0.000	-0.042
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.045	0.000	-0.045
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.048	0.000	-0.048
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.051	0.000	-0.051
16	-550.000	0.000	0.052	0.000	-0.052
17	-500.000	0.000	0.053	0.000	-0.053
18	-450.000	0.000	0.053	0.000	-0.053
19	-400.000	0.000	0.053	0.000	-0.053
20	-350.000	0.000	0.052	0.000	-0.052
21	-300.000	0.000	0.050	0.000	-0.050
22	-250.000	0.000	0.047	0.000	-0.047
23	-200.000	0.000	0.041	0.000	-0.041
24	-150.000	0.000	0.034	0.000	-0.034
25	-100.000	0.000	0.024	0.000	-0.024
26	-50.000	0.000	0.013	0.000	-0.013
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.013	0.000	0.013
29	100.000	0.000	-0.024	0.000	0.024
30	150.000	0.000	-0.034	0.000	0.034
31	200.000	0.000	-0.041	0.000	0.041
32	250.000	0.000	-0.047	0.000	0.047
33	300.000	0.000	-0.050	0.000	0.050
34	350.000	0.000	-0.052	0.000	0.052
35	400.000	0.000	-0.053	0.000	0.053
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.053	0.000	0.053
38	550.000	0.000	-0.052	0.000	0.052
39	600.000	0.000	-0.051	0.000	0.051
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.048	0.000	0.048
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.045	0.000	0.045
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.040	0.000	0.040

47	1000.000	0.000	-0.039	0.000	0.039
48	1200.000	0.000	-0.034	0.000	0.034
49	1400.000	0.000	-0.030	0.000	0.030
50	1600.000	0.000	-0.027	0.000	0.027
51	1800.000	0.000	-0.024	0.000	0.024
52	2000.000	0.000	-0.022	0.000	0.022
53	2200.000	0.000	-0.020	0.000	0.020

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

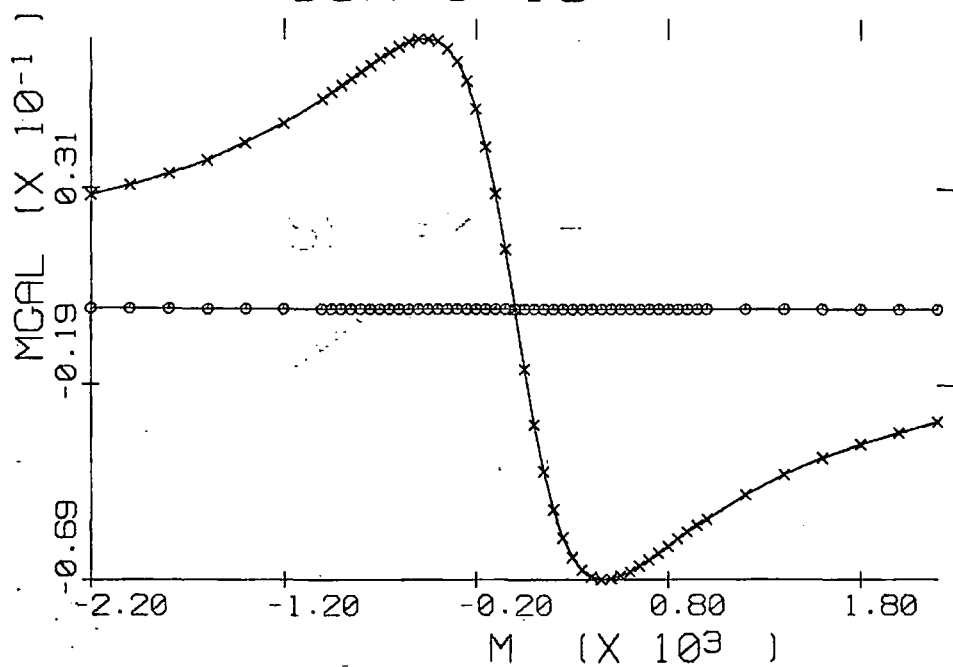
\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

\* PLOT DATA \*

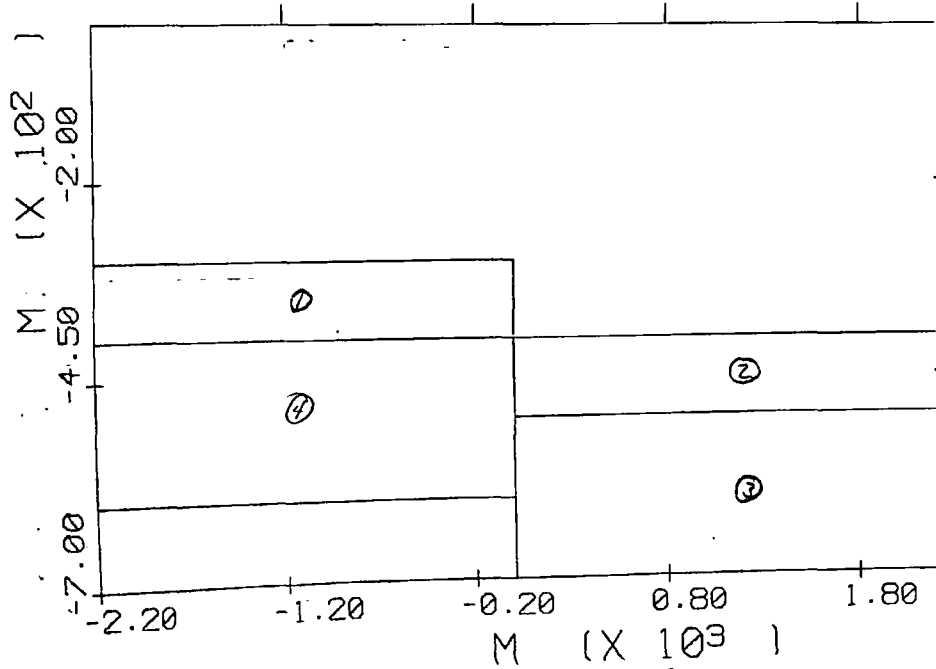
HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

SSR=0.16



ORIGINAL = ○  
NEW = ×

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT



IC-TUS 1 OF 1

PLOT DATE 12/11/80  
PLOT TIME 13:25:30  
NO. OF VECT. 2039  
NO. OF INCH. 469.  
X-INCHES 9.10  
Y INCHES 11.97  
NO. OF STRIPS 1  
NO. OF COPIES 0

## WORK FILE HEADER:

WASTE STORAGE

DATE: 12/11/80 13:24

THE TOTAL SUM OF SQUARES IS

0.156

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # DR MATCH PT IS

27

THE TOTAL SUM OF SQUARES IS

0.156

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-2200.000	0.000	0.029	0.000	-0.029
2	-2000.000	0.000	0.031	0.000	-0.031
3	-1800.000	0.000	0.034	0.000	-0.034
4	-1600.000	0.000	0.038	0.000	-0.038
5	-1400.000	0.000	0.042	0.000	-0.042
6	-1200.000	0.000	0.048	0.000	-0.048
7	-1000.000	0.000	0.054	0.000	-0.054
8	-950.000	0.000	0.055	0.000	-0.055
9	-900.000	0.000	0.057	0.000	-0.057
10	-850.000	0.000	0.059	0.000	-0.059
11	-800.000	0.000	0.061	0.000	-0.061
12	-750.000	0.000	0.062	0.000	-0.062
13	-700.000	0.000	0.064	0.000	-0.064
14	-650.000	0.000	0.066	0.000	-0.066
15	-600.000	0.000	0.067	0.000	-0.067
16	-550.000	0.000	0.068	0.000	-0.068
17	-500.000	0.000	0.069	0.000	-0.069
18	-450.000	0.000	0.069	0.000	-0.069
19	-400.000	0.000	0.069	0.000	-0.069
20	-350.000	0.000	0.067	0.000	-0.067
21	-300.000	0.000	0.064	0.000	-0.064
22	-250.000	0.000	0.059	0.000	-0.059
23	-200.000	0.000	0.051	0.000	-0.051
24	-150.000	0.000	0.042	0.000	-0.042
25	-100.000	0.000	0.029	0.000	-0.029
26	-50.000	0.000	0.015	0.000	-0.015
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.015	0.000	0.015
29	100.000	0.000	-0.029	0.000	0.029
30	150.000	0.000	-0.042	0.000	0.042
31	200.000	0.000	-0.051	0.000	0.051
32	250.000	0.000	-0.059	0.000	0.059
33	300.000	0.000	-0.064	0.000	0.064
34	350.000	0.000	-0.067	0.000	0.067
35	400.000	0.000	-0.069	0.000	0.069
36	450.000	0.000	-0.069	0.000	0.069
37	500.000	0.000	-0.069	0.000	0.069
38	550.000	0.000	-0.068	0.000	0.068
39	600.000	0.000	-0.067	0.000	0.067
40	650.000	0.000	-0.066	0.000	0.066
41	700.000	0.000	-0.064	0.000	0.064
42	750.000	0.000	-0.062	0.000	0.062
43	800.000	0.000	-0.061	0.000	0.061
44	850.000	0.000	-0.059	0.000	0.059
45	900.000	0.000	-0.057	0.000	0.057
46	950.000	0.000	-0.055	0.000	0.055

47	1000.000	0.000	-0.054	0.000	0.054
48	1200.000	0.000	-0.048	0.000	0.048
49	1400.000	0.000	-0.042	0.000	0.042
50	1600.000	0.000	-0.038	0.000	0.038
51	1800.000	0.000	-0.034	0.000	0.034
52	2000.000	0.000	-0.031	0.000	0.031
53	2200.000	0.000	-0.029	0.000	0.029

\* MODEL DATA \*

POLYGON NO. 1      DENSITY =      0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2      DENSITY =      0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY =      0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	700.000	0	0
0.000	700.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY =      0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	600.000	0	0
=100000.00	600.000	0	0
=100000.00	400.000	0	0

\* SEARCH DATA \*

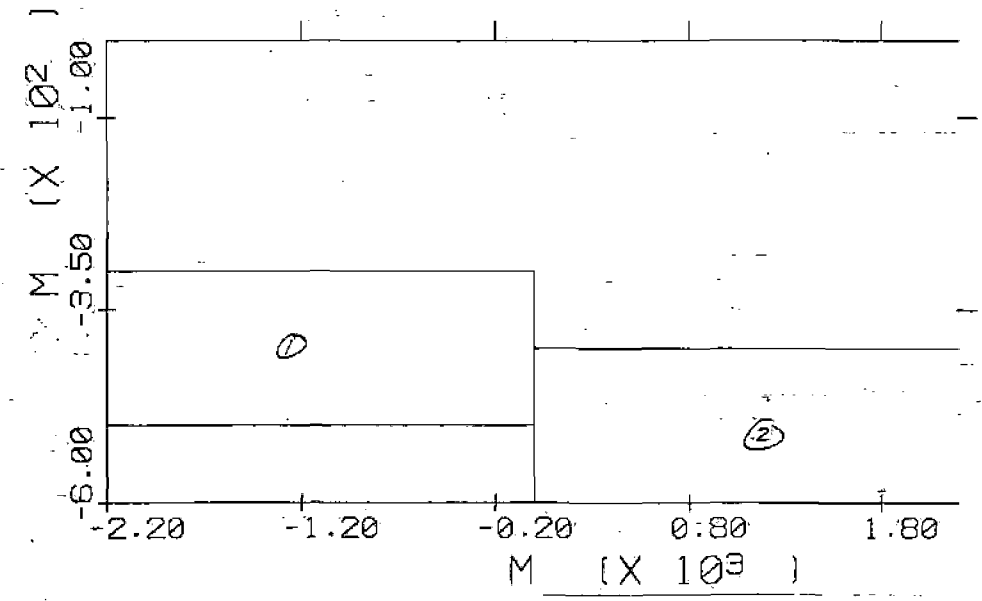
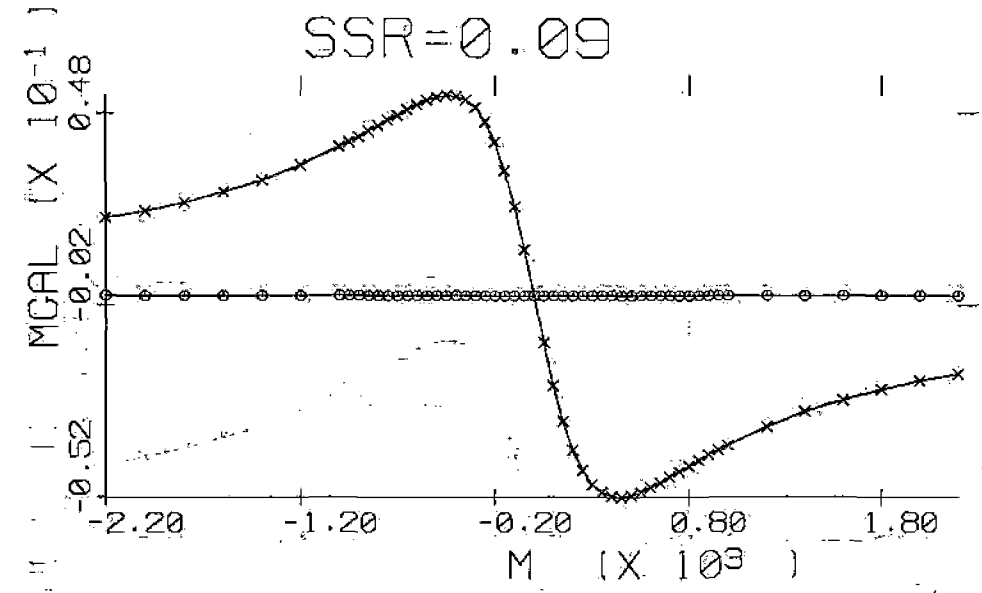
NO. OF ITERATIONS FOR INVERSION IS      0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS      0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS      0

\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) =      0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

IC-TUS 1 OF 1

PLOT DATE 12/11/80  
 PLOT TIME 8:54:4  
 NO. OF VECT. 1914  
 NO. OF INCH. 410.  
 X INCHES 9.10  
 Y INCHES 11.30  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



POLYGON NO.	DENSITY	CONTRAST
1	0.17500	
2	0.17500	

GRAVITY MODEL - NORMAL FAULT

Fig. 4

model w/ combined layers @ 0.175

WORK FILE HEADER:  
WASTE STORAGE

Compare w/ Fig 3

DATE: 12/10/80 15:54

THE TOTAL SUM OF SQUARES IS

0.087

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS

0.087

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFEREN OBS-COMP
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.041	0.000	-0.041
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.044	0.000	-0.044
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.047	0.000	-0.047
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.050	0.000	-0.050
16	-550.000	0.000	0.051	0.000	-0.051
17	-500.000	0.000	0.052	0.000	-0.052
18	-450.000	0.000	0.052	0.000	-0.052
19	-400.000	0.000	0.052	0.000	-0.052
20	-350.000	0.000	0.051	0.000	-0.051
21	-300.000	0.000	0.049	0.000	-0.049
22	-250.000	0.000	0.045	0.000	-0.045
23	-200.000	0.000	0.040	0.000	-0.040
24	-150.000	0.000	0.033	0.000	-0.033
25	-100.000	0.000	0.023	0.000	-0.023
26	-50.000	0.000	0.012	0.000	-0.012
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.012	0.000	0.012
29	100.000	0.000	-0.023	0.000	0.023
30	150.000	0.000	-0.033	0.000	0.033
31	200.000	0.000	-0.040	0.000	0.040
32	250.000	0.000	-0.045	0.000	0.045
33	300.000	0.000	-0.049	0.000	0.049
34	350.000	0.000	-0.051	0.000	0.051
35	400.000	0.000	-0.052	0.000	0.052
36	450.000	0.000	-0.052	0.000	0.052
37	500.000	0.000	-0.052	0.000	0.052
38	550.000	0.000	-0.051	0.000	0.051
39	600.000	0.000	-0.050	0.000	0.050
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.047	0.000	0.047
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.044	0.000	0.044
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.041	0.000	0.041
46	950.000	0.000	-0.040	0.000	0.040

47	1000.000	0.000	-0.039	0.000	0.031
48	1200.000	0.000	-0.034	0.000	0.031
49	1400.000	0.000	-0.030	0.000	0.031
50	1600.000	0.000	-0.027	0.000	0.021
51	1800.000	0.000	-0.024	0.000	0.021
52	2000.000	0.000	-0.022	0.000	0.021
53	2200.000	0.000	-0.020	0.000	0.021

\* MODEL DATA \*

POLYGON NO. 1      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2      DENSITY =      0.17500  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. =              0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS      0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS      0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS      0

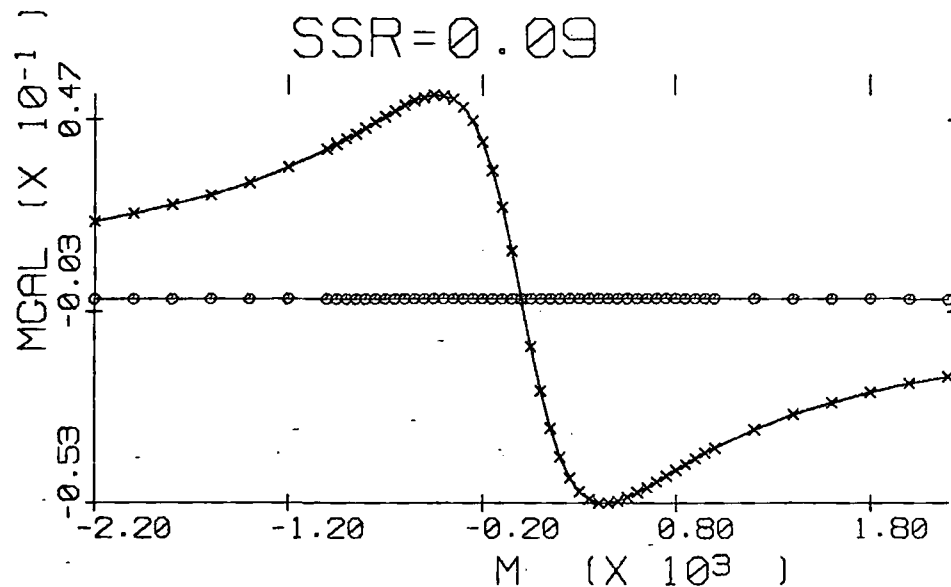
\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) =      0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

@ ± 100 km

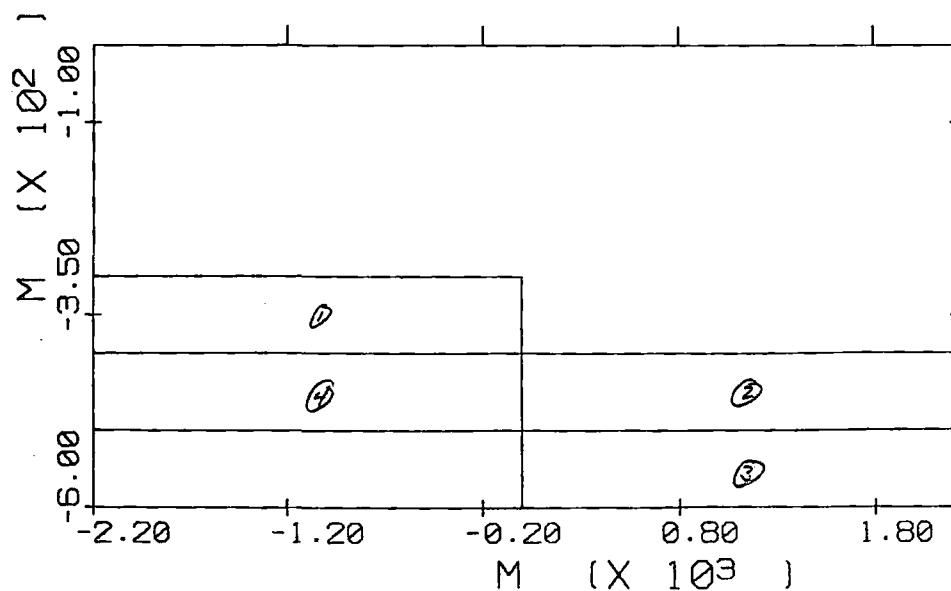
IC-TUS 1 OF 1

PLOT DATE 12/09/80  
 PLOT TIME 16:27:17  
 NO. OF VECT. 2053  
 NO. OF INCH. 437.  
 X INCHES 9.10  
 Y INCHES 11.33  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = o  
 NEW = x

POLYGON NO.	DENSITY CONTRAST
1	0.20000
2	0.20000
3	0.15000
4	0.15000



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 16:26

THE TOTAL SUM OF SQUARES IS

0.089

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 27

THE TOTAL SUM OF SQUARES IS

0.089

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-2200.000	0.000	0.020	0.000	-0.020
2	-2000.000	0.000	0.022	0.000	-0.022
3	-1800.000	0.000	0.024	0.000	-0.024
4	-1600.000	0.000	0.027	0.000	-0.027
5	-1400.000	0.000	0.030	0.000	-0.030
6	-1200.000	0.000	0.034	0.000	-0.034
7	-1000.000	0.000	0.039	0.000	-0.039
8	-950.000	0.000	0.040	0.000	-0.040
9	-900.000	0.000	0.042	0.000	-0.042
10	-850.000	0.000	0.043	0.000	-0.043
11	-800.000	0.000	0.045	0.000	-0.045
12	-750.000	0.000	0.046	0.000	-0.046
13	-700.000	0.000	0.048	0.000	-0.048
14	-650.000	0.000	0.049	0.000	-0.049
15	-600.000	0.000	0.051	0.000	-0.051
16	-550.000	0.000	0.052	0.000	-0.052
17	-500.000	0.000	0.053	0.000	-0.053
18	-450.000	0.000	0.053	0.000	-0.053
19	-400.000	0.000	0.053	0.000	-0.053
20	-350.000	0.000	0.052	0.000	-0.052
21	-300.000	0.000	0.050	0.000	-0.050
22	-250.000	0.000	0.047	0.000	-0.047
23	-200.000	0.000	0.041	0.000	-0.041
24	-150.000	0.000	0.034	0.000	-0.034
25	-100.000	0.000	0.024	0.000	-0.024
26	-50.000	0.000	0.013	0.000	-0.013
27	0.000	0.000	0.000	0.000	0.000
28	50.000	0.000	-0.013	0.000	0.013
29	100.000	0.000	-0.024	0.000	0.024
30	150.000	0.000	-0.034	0.000	0.034
31	200.000	0.000	-0.041	0.000	0.041
32	250.000	0.000	-0.047	0.000	0.047
33	300.000	0.000	-0.050	0.000	0.050
34	350.000	0.000	-0.052	0.000	0.052
35	400.000	0.000	-0.053	0.000	0.053
36	450.000	0.000	-0.053	0.000	0.053
37	500.000	0.000	-0.053	0.000	0.053
38	550.000	0.000	-0.052	0.000	0.052
39	600.000	0.000	-0.051	0.000	0.051
40	650.000	0.000	-0.049	0.000	0.049
41	700.000	0.000	-0.048	0.000	0.048
42	750.000	0.000	-0.046	0.000	0.046
43	800.000	0.000	-0.045	0.000	0.045
44	850.000	0.000	-0.043	0.000	0.043
45	900.000	0.000	-0.042	0.000	0.042
46	950.000	0.000	-0.040	0.000	0.040



47	1000.000	0.000	-0.039	0.000	0.039
48	1200.000	0.000	-0.034	0.000	0.034
49	1400.000	0.000	-0.030	0.000	0.030
50	1600.000	0.000	-0.027	0.000	0.027
51	1800.000	0.000	-0.024	0.000	0.024
52	2000.000	0.000	-0.022	0.000	0.022
53	2200.000	0.000	-0.020	0.000	0.020

\* MODEL DATA \*

POLYGON NO. 1      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2      DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

\* SEARCH DATA \*

NO. OF ITERATIONS FOR INVERSION IS 0  
 TOTAL NO. OF VERTEX SEARCH DIRECTIONS IS 0  
 TOTAL NO. OF DENSITY CONTRAST SEARCH DIRECTIONS IS 0

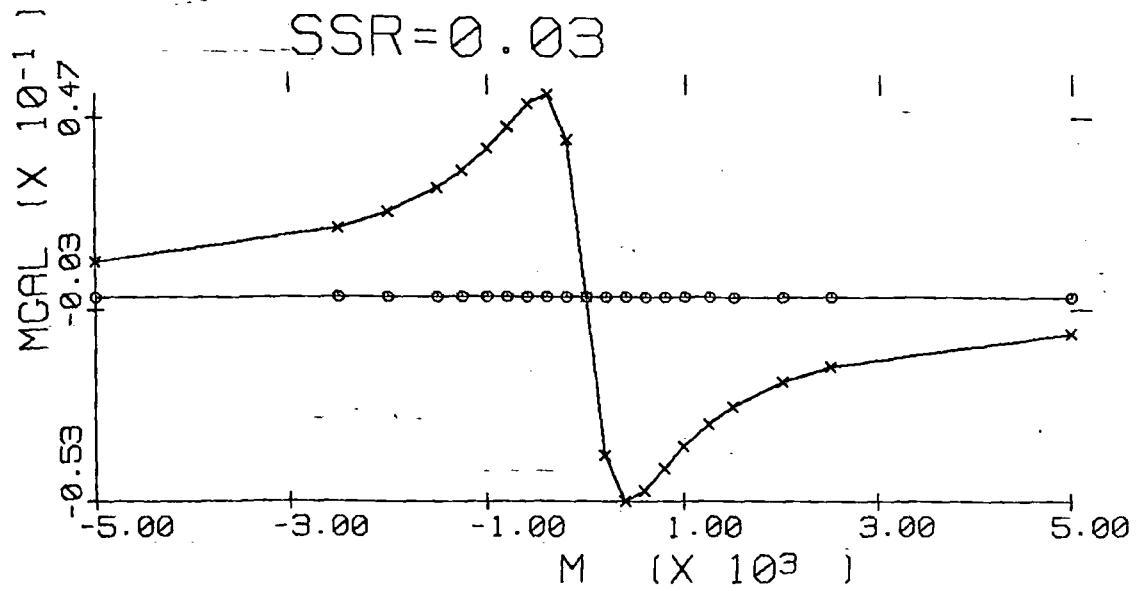
\* PLOT DATA \*

HORIZONTAL SCALE (UNITS/INCH) = 1000.00000  
 VERTICAL SCALE FOR CURVES (MILLIGALS/INCH) = 0.05000  
 VERTICAL SCALE FOR MODEL (UNITS/INCH) = 250.00000

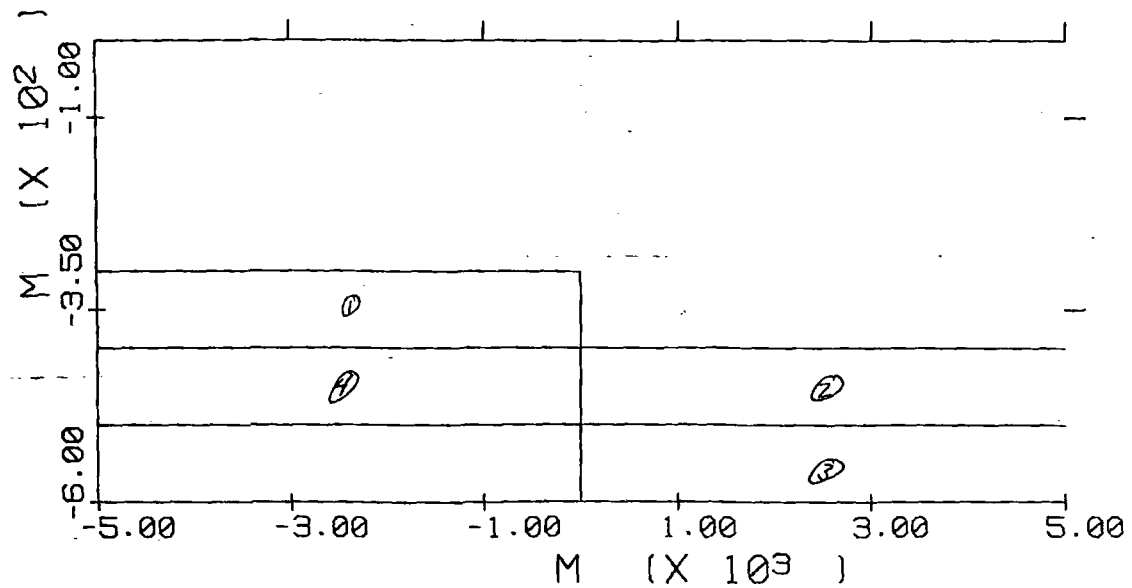
W/cont  
@ ± 100 Km

IC-TUS 2 OF 2

PLOT DATE 12/09/80  
 PLOT TIME 16:03  
 NO. OF VECT. 1665  
 NO. OF INCH. 387  
 X INCHES 9.70  
 Y INCHES 11.33  
 NO. OF STRIPS 1  
 NO. OF COPIES 0



ORIGINAL = O  
 NEW = X



POLYGON NO.	CO
1	0.2
2	0.2
3	0.15
4	0.15

GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:59

THE TOTAL SUM OF SQUARES IS 0.027

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.027

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	0.009	0.000	-0.009
2	-2500.000	0.000	0.018	0.000	-0.018
3	-2000.000	0.000	0.022	0.000	-0.022
4	-1500.000	0.000	0.029	0.000	-0.029
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.039	0.000	0.039
17	1250.000	0.000	-0.033	0.000	0.033
18	1500.000	0.000	-0.029	0.000	0.029
19	2000.000	0.000	-0.022	0.000	0.022
20	2500.000	0.000	-0.018	0.000	0.018
21	5000.000	0.000	-0.009	0.000	0.009

\* MODEL DATA \*

POLYGON NO. 1 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	300.000	0	0
0.000	300.000	0	0
0.000	400.000	0	0
=100000.00	400.000	0	0
=100000.00	300.000	0	0

POLYGON NO. 2 DENSITY = 0.20000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	400.000	0	0
100000.000	400.000	0	0
100000.000	500.000	0	0
0.000	500.000	0	0
0.000	400.000	0	0

POLYGON NO. 3 DENSITY = 0.15000  
 STRIKE LENGTH 1 = \$50000.000  
 STRIKE LENGTH 2 = \$50000.000  
 SEARCH NO. = 0

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
100000.000	500.000	0	0
100000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0

POLYGON NO. 4      DENSITY = 0.15000

STRIKE LENGTH 1 = \$50000.000

STRIKE LENGTH 2 = \$50000.000

SEARCH NO. = 0

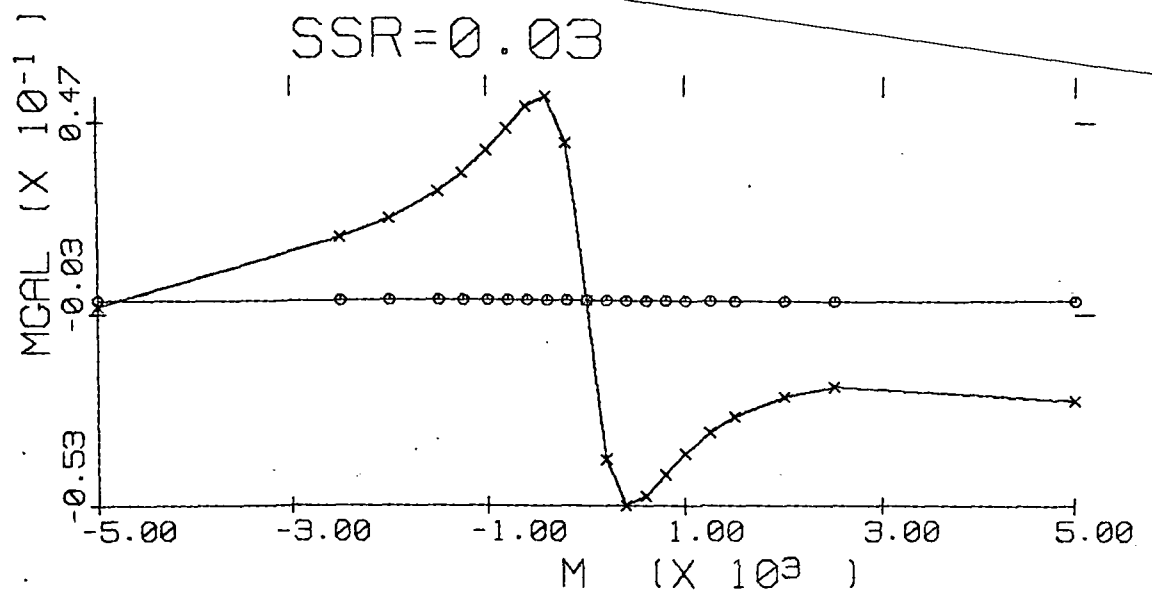
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
=100000.00	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
=100000.00	500.000	0	0
=100000.00	400.000	0	0

ridge of SLAB  
± 10 km

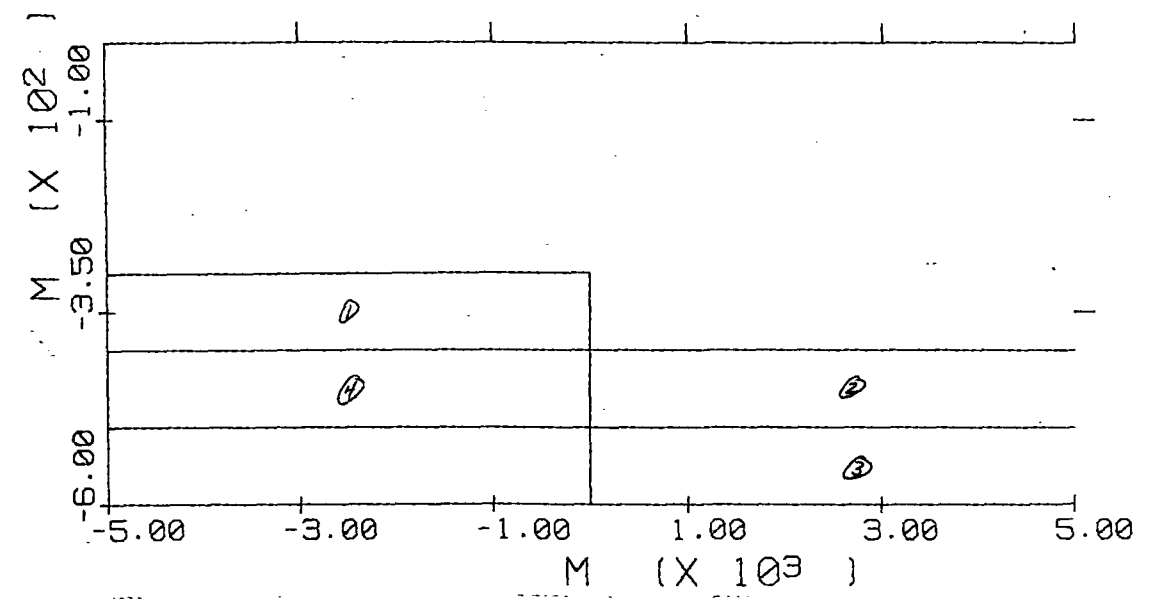
IC-TUS 1 OF 2

PLOT DATE 12/09/80  
 PLOT TIME 15:56:23  
 NO. OF VECT. 1665  
 NO. OF INCH. 388.  
 X INCHES 9.70  
 Y INCHES 11.33  
 NO. OF STRIPS 1  
 NO. OF COPIES 0

SSR=0.03



POLYGON NO.	CO
1	0.20
2	0.20
3	0.15
4	0.15



GRAVITY MODEL - NORMAL FAULT

WORK FILE HEADER:

WASTE STORAGE

DATE: 12/09/80 15:55

THE TOTAL SUM OF SQUARES IS 0.028

\* STATION DATA \*

GRAVITY MODEL - NORMAL FAULT

UNITS OF DISTANCE IS METERS

STATION # OR MATCH PT IS 11

THE TOTAL SUM OF SQUARES IS 0.028

STATION	DISTANCE TO STATION	ELEVATION	COMPUTED GRAVITY	OBSERVED GRAVITY	DIFFERENCE OBS-COMP
1	-5000.000	0.000	-0.001	0.000	0.001
2	-2500.000	0.000	0.017	0.000	-0.017
3	-2000.000	0.000	0.021	0.000	-0.021
4	-1500.000	0.000	0.028	0.000	-0.028
5	-1250.000	0.000	0.033	0.000	-0.033
6	-1000.000	0.000	0.039	0.000	-0.039
7	-800.000	0.000	0.045	0.000	-0.045
8	-600.000	0.000	0.051	0.000	-0.051
9	-400.000	0.000	0.053	0.000	-0.053
10	-200.000	0.000	0.041	0.000	-0.041
11	0.000	0.000	0.000	0.000	0.000
12	200.000	0.000	-0.041	0.000	0.041
13	400.000	0.000	-0.053	0.000	0.053
14	600.000	0.000	-0.051	0.000	0.051
15	800.000	0.000	-0.045	0.000	0.045
16	1000.000	0.000	-0.040	0.000	0.040
17	1250.000	0.000	-0.034	0.000	0.034
18	1500.000	0.000	-0.030	0.000	0.030
19	2000.000	0.000	-0.025	0.000	0.025
20	2500.000	0.000	-0.022	0.000	0.022
21	5000.000	0.000	-0.026	0.000	0.026

\* MODEL DATA \*

POLYGON NO. 1	DENSITY =	0.20000		
	STRIKE LENGTH 1 =	\$50000.000		
	STRIKE LENGTH 2 =	\$50000.000		
	SEARCH NO. =	0		
	X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
	-10000.000	300.000	0	0
	0.000	300.000	0	0
	0.000	400.000	0	0
	-10000.000	400.000	0	0
	-10000.000	300.000	0	0
POLYGON NO. 2	DENSITY =	0.20000		
	STRIKE LENGTH 1 =	\$50000.000		
	STRIKE LENGTH 2 =	\$50000.000		
	SEARCH NO. =	0		
	X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
	0.000	400.000	0	0
	10000.000	400.000	0	0
	10000.000	500.000	0	0
	0.000	500.000	0	0
	0.000	400.000	0	0
POLYGON NO. 3	DENSITY =	0.15000		
	STRIKE LENGTH 1 =	\$50000.000		
	STRIKE LENGTH 2 =	\$50000.000		
	SEARCH NO. =	0		

X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
0.000	500.000	0	0
10000.000	500.000	0	0
10000.000	600.000	0	0
0.000	600.000	0	0
0.000	500.000	0	0
POLYGON NO. 4	DENSITY =	0.15000	
	STRIKE LENGTH 1 =	\$50000.000	
	STRIKE LENGTH 2 =	\$50000.000	
	SEARCH NO. =	0	
X VERTICE	Z VERTICE	VERT. SEARCH NO.	HOR. SEARCH NO.
-10000.000	400.000	0	0
0.000	400.000	0	0
0.000	500.000	0	0
-10000.000	500.000	0	0
-10000.000	400.000	0	0