

Mobil Energy Minerals Australia Inc.

(INCORPORATED IN DELAWARE, U.S.A.; LIMITED LIABILITY)
(REGISTERED AS A FOREIGN COMPANY IN THE STATE OF VICTORIA)

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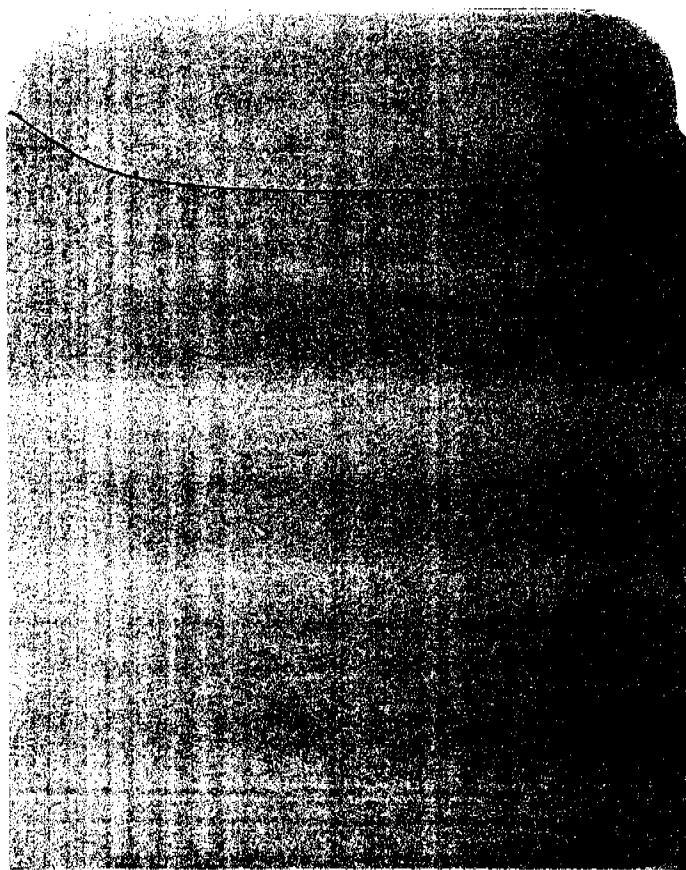
MOBIL-SUTTONS-UGA JOINT VENTURE

EXPLORATION LICENCE 3102 - REYNOLDS RIVER

FINAL REPORT TO THE

NORTHERN TERRITORY DEPARTMENT OF MINES AND ENERGY

FOR THE PERIOD OCTOBER 27, 1981 TO FEBRUARY 16, 1983



L.J. Starkey,
May, 1983

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SUMMARY

Exploration Licence No. 3102 "Reynolds River" was granted to Mobil Energy Minerals Australia Inc. (MEMA) on October 27, 1981, and surrendered on February 16, 1983, when exploration by the MEMA-Suttons-Urangesellschaft joint venture was completed in this area.

Exploration by MEMA, since granting of EL 3102, comprises a re-interpretation of airborne geophysical data and a photogeological study.

The application for the licence area was lodged because work by Urangesellschaft in the original Welltree EL 1731 showed that the strike of the Lower Proterozoic stratigraphy trended north-south, and extended below flat-lying cover to the south into the area of EL 3102.

The Welltree area showed apparent similarities with the Alligator Rivers Uranium Province, having inferred Archean granitic basement flanked by Lower Proterozoic metasediments with distinctive magnetic and EM signatures.

Geophysical interpretation confirmed the presence of a north-south trending magnetic-EM-radiometric zone passing through the centre of the licence area. Since the area is covered by Cambrian limestones the depths to the main magnetic anomaly and magnetic basement are not known. The Analytical Function of the magnetic field and automatic depth to basement were calculated to determine these parameters. These parameters will determine the exploration techniques needed to complete an exploration programme.

Expenditure on EL 3102 during the period October 27, 1981 to April 17, 1983 was \$13,236.05.

BIBLIOGRAPHIC DATA

Title: MOBIL-SUTTONS-UGA JOINT VENTURE EXPLORATION LICENCE
3102 - REYNOLDS RIVER. FINAL REPORT TO THE NORTHERN
TERRITORY DEPARTMENT OF MINES AND ENERGY FOR THE PERIOD
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RADIOMETRICS, INPUT

1. INTRODUCTION

Exploration Licence No. 3102 "Reynolds River" was first granted to Mobil Energy Minerals Australia Inc. (MEMA) for twelve months from October 27, 1981.

The licence is subject to a joint venture agreement between MEMA, Suttons Motors (Arnccliffe) Pty. Ltd. and Urangesellschaft Australia Pty. Ltd. (UGA), with MEMA as the operator. E.L. 3102 originally covered an area of 46.6 square kilometres but was reduced to four one-minute blocks (about 13 square kilometres) in July, 1982. It is situated 100 kilometres south-west of Darwin in the Northern Territory. Prior to granting of E.L. 3102, the area had been explored by UGA as part of E.L. 1731. During 1978 an airborne INPUT survey was flown over the area by Geoterrex. Six rotary/percussion holes were drilled in the western part of the area in 1979, and twenty-three in 1980. Also in 1980 an airborne magnetic/radiometric survey was flown by Austirex.

Since the granting of E.L. 3102, re-interpretations of the airborne magnetic/radiometric data have been carried out and a photogeological interpretation completed.

2. LOCATION AND PHYSIOGRAPHY

Exploration Licence No. 3102 "Reynolds River" is one of a number of licences being explored by MEMA-Suttons-UGA joint venture in the western part of the Pine Creek Geosyncline. The licence is situated on the Reynolds River floodplain on Wangi Station, approximately 100 kilometres south-west of Darwin. (See Fig. 1)

The licence is bounded by latitudes 13°12' and 13°14' and longitudes 130°33' and 130°35'.

WAGAIT
ABORIGINAL RESERVE

13°13'

13°15'

EL
3102
REYNOLDS
RIVER

130°35'

130°37'



0 5 10 15 Km

SCALE: 1:250,000

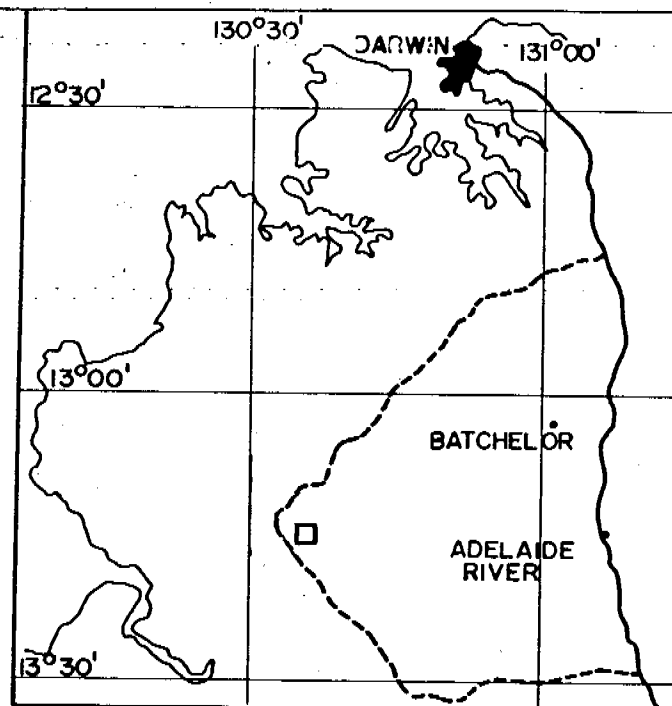


FIG. 1

MOBIL ENERGY MINERALS AUSTRALIA

PROJECT **WELLTREE JV**

**EL 3102 REYNOLDS RIVER
LOCATION MAP**

COMPILED	DATE 8-6-82	BY P.J.O.	ADDNS	DATE	BY
DRAWN		L.D.E.L.			
SCALE	1:250,000	DWG No	3.3255.1.159		

Access is via the Stuart Highway, the Mandorah Road and Wangi Station road which passes through the western end of the licence area. Internal access is by tracks prepared by the pastoral leaseholders. Creeks within the licence area drain north and west into the Reynolds River which passes through the centre of the licence. The area is low lying, varying in elevation between 20 metres and 30 metres above sea level, with black soil plains developed in the eastern half of the area.

3. GEOLOGICAL SETTING

The licence area lies within the Litchfield Block on the western edge of the Pine Creek Geosyncline. Carbonates and siltstones of the Palaeozoic Daly River Group crop out over the entire licence area, are flat lying, and vary in thickness between approximately 70 metres in the north-west of the E.L. and 160 metres in the south-east.

The Palaeozoic sediments are underlain by Lower Proterozoic metasediments which crop out to the north where they have been intruded by Carpentarian granites and mafic intrusives.

Dips in the Palaeozoic sediments are shallow to the south and south-east. In the north-west corner of the licence area these sediments are covered by Cainozoic alluvium deposited on the Reynolds River flood plain. Thomas et al (1982) have called the Lower Proterozoic metasediments cropping out to the north of E.L. 3102 the "Welltree Schists", and tentatively correlate them with the Burrell Creek Formation. Graphitic horizons within the "Welltree Schists" were the target lithology for uranium mineralisation in E.L. 1731 to the north. The graphitic horizons, as identified by airborne magnetic and INPUT surveys, strike north-south and can be traced from their geophysical response south into E.L. 3102.

4. PREVIOUS EXPLORATION

4.1 BHP EL's 71 and 897

In 1973 BHP carried out a detailed airborne magnetic and radiometric survey over the area held as EL's 71 and 897. This survey delineated a number of strong linear magnetic anomalies with some coincident radiometric anomalies to the north of EL 3102. These were found to be due to minor uranium enrichment in graphitic quartz-mica-schists, but no economic concentrations were discovered.

4.2 MEMA EL 3102

Application for EL 3102 was lodged because work by UGA on the original Welltree EL 1731 showed that the strike of the Lower Proterozoic stratigraphy trended north-south, and extended below flat-lying Palaeozoic cover to the south into the area of EL 3102. Similarities were noted between the area and the Alligator Rivers Uranium Province, with inferred Archean granitic basement flanked by Lower Proterozoic metasediments with distinctive magnetic and EM signatures.

Granites to the north of the area have since been shown by the BMR to be Lower Proterozoic, and not Archean (R. Page, personal communication).

Exploration in EL 3102 was directed towards better defining horizons within the metasediments having strong magnetic and EM responses, and comprised a re-interpretation of existing airborne magnetic/radiometric data, together with a photogeological study. These confirmed the presence of a north-south trending magnetic-EM-radiometric anomaly through the centre of the licence (O'Shea, 1982).

5. GEOPHYSICAL ENHANCEMENT

The calculation of the Analytical Function and automatic depth to basement were calculated along 21 flight lines (Table 1).

The results of these reductions are presented in Appendix 1.

The analytical signal was calculated by use of the Hilbert Transform. The depth to basement was calculated by the solution of simultaneous equations to determine position, regional magnetic component, depth, dip and magnetic susceptibility of the anomalous contact.

The usual reservations to the data is considered to apply and initial estimates before detailed mapping and drilling refines the unknown restrictions to the parameters such as paleo magnetism and interference from surrounding anomalies.

TABLE 1: Geographical Parameters over Airborne Traverses Investigated
for Depth to Basement.

<u>Flight Line</u>	<u>Start</u>	<u>End</u>	<u>Northing</u>
400	668010	680354	8539767
401	668010	681163	8539765
410	668001	680689	8539167
420	668024	680040	8539167
430	668017	680535	8538872
440	668004	680086	8538570
450	668044	680507	8538273
460	668028	680148	8537959
470	668043	680384	8537668
480	668033	680073	8536467
490	668018	680499	8537069
500	668037	680073	8536762
511	668037	680381	8536467
520	668032	680414	8536165
530	668009	680373	8535863
540	668043	680237	8535265
550	668036	680349	8535265
560	668043	680349	8534964
570	668021	680322	8534660
580	668023	680413	8534353
590	668001	680200	8534069

6. CONCLUSIONS

Photogeology and various aerial geophysical surveys have identified a north trending band of coincident magnetic, electromagnetic (conductive) and radiometric anomalies. This zone is overlain by Cambrian (Daly River Basin) sediments in the licence area, but is continuous with sub-cropping graphitic schists to the north, within Exploration Licence 1731 "Welltree".

Exploration of these schists, by closely spaced drillholes in EL 1731, did not detect any mineralisation of economic significance. There is thus little incentive to sample the schists under cover, and no further work is proposed in the area of EL 3102.

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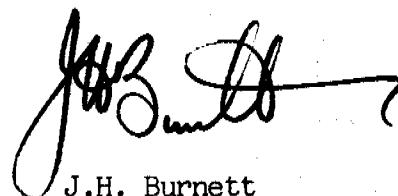
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STATEMENT OF EXPENDITURE FOR PERIOD
OCTOBER 27, 1981 TO APRIL 17, 1983
EXPLORATION LICENCE 3102 NT - REYNOLDS RIVER

Salaries and Wages	659.55
Professional Fees of Geologists and Consultants	8,501.04
Travel and Accommodation	337.38
Freight	83.15
Field Supplies	194.35
Hire of Field Equipment	71.03
Motor Vehicle Hire	215.81
Vehicle Operations	81.00
Air Photographs	508.00
Laboratory Services	61.87
Other Contract Services	478.65
Tenement Expenses	50.00
Maintenance and Repairs	13.48
Motor Registration	5.30
Direct Overheads	<u>249.00</u>
	11,509.61
Head Office Overheads at 15% of Total Direct Costs	<u>1,726.44</u>
	<u>\$ 13,236.05</u>



J.H. Burnett
Acting Accounting Manager

8. REFERENCES

Cotton, R.E., Hill, K.G.	1982	Explanatory Notes on the and Detailed Photogeology of the Litchfield Block. Robertson Research (Aust.) Pty. Ltd. Report No. 901 Project No. 1660. MEMA Tech. Rec. No. 3.6124.008
Thomas, C.M.		
O'Shea, P.J.	1982	Annual Report to the N.T. Department of Mines & Energy for 12 months ending October 26, 1982. Unpublished MEMA report, T.R. No. 3.3255.1.024.

APPENDIX 1

COMPUTER PRINT-OUTS

WELLTREE E.L. 3102

INPUT PARAMETERS
DELT=51.58000000 LX= 254 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 468010.0 START NORTHING = 8539745.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION	MAGNETIC OF X	READING	DERIVATIVE	REAL	IMAGINARY	TOTAL	DEPTH	MAGNETIC HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPT.
25.790	-7.56	.000000	.006935	.006935		.000	.000	.000000	.000000	.000000	.000000
77.370	-9.04	-.014511	-.009486	.017361		.000	.000	.000000	.000000	.000000	.000000
128.950	-9.06	-.026173	-.012862	.029163		.000	.000	.000000	.000000	.000000	.000000
180.530	-11.76	.002908	-.042853	.042952		.000	188.694	.000000	.000000	.000000	.000000
232.110	-8.76	.029081	-.003027	.029238		.000	191.693	.000000	.000000	.000000	.000000
283.690	-8.76	.001939	.009544	.009739		.000	357.123	.000000	.000000	.000000	.000000
335.270	-8.56	.002908	.004867	.005679		.000	242.426	.000000	.000000	.000000	.000000
386.850	-9.06	-.011632	.002355	.011868		.000	881.549	.000000	.000000	.000000	.000000
438.430	-9.76	-.015510	-.003497	.015899		.000	408.486	.000000	.000000	.000000	.000000
490.010	-10.46	-.022295	-.020308	.030158		32.298	535.937	2.867657	-.002573	-.000000	.000000
541.590	-12.06	.008724	-.035827	.036874		.000	566.211	.000000	.000000	.000000	.000000
593.170	-9.76	.017449	.004267	.018543		.000	556.232	.000000	.000000	.000000	.000000
644.750	-10.26	-.030050	-.004267	.030497		.000	701.338	.000000	.000000	.000000	.000000
696.330	-12.86	.001939	-.048739	.048778		.000	690.273	.000000	.000000	.000000	.000000
747.910	-10.06	.026173	-.015645	.030493		.000	659.105	.000000	.000000	.000000	.000000
799.490	-10.16	.007755	-.015304	.017157		.000	1767.863	.000000	.000000	.000000	.000000
851.070	-9.26	.022295	-.022566	.031722		.000	836.338	.000000	.000000	.000000	.000000
902.650	-7.86	.033928	-.009350	.035193		150.547	964.964	.632812	-.054428	.000145	.000000
954.230	-5.76	.031020	.012642	.033497		56.453	946.058	2.951536	.005396	.000005	.000000
1005.810	-4.66	.008724	.017309	.019384		50.815	1011.083	3.127185	.027921	.000005	.000000
1057.390	-4.86	.002908	.004364	.005245		.000	1012.200	.000000	.000000	.000000	.000000
1108.970	-4.36	.012602	.000589	.012616		.000	1140.439	.000000	.000000	.000000	.000000
1160.550	-3.56	.011632	.021370	.024331		.000	1142.553	.000000	.000000	.000000	.000000
1212.130	-3.16	-.022295	.009105	.024083		.000	1231.800	.000000	.000000	.000000	.000000
1263.710	-5.86	.006784	-.020985	.022955		.000	1281.038	.000000	.000000	.000000	.000000
1315.290	-2.46	.012602	.019476	.023198		.000	1277.344	.000000	.000000	.000000	.000000
1366.870	-4.56	-.022295	-.003136	.022515		.000	1371.746	.000000	.000000	.000000	.000000
1418.450	-4.76	.013571	-.017054	.021795		.000	1530.338	.000000	.000000	.000000	.000000
1470.030	-3.16	.005816	.011442	.012835		.000	1459.726	.000000	.000000	.000000	.000000
1521.610	-4.16	-.003877	-.005384	.006635		.000	783.832	.000000	.000000	.000000	.000000
1573.190	-3.56	.009494	.002404	.009997		.000	1185.633	.000000	.000000	.000000	.000000
1624.770	-3.16	-.006784	.010244	.012287		.000	1631.640	.000000	.000000	.000000	.000000
1676.350	-4.26	-.012602	-.005353	.013692		.000	1632.550	.000000	.000000	.000000	.000000
1727.930	-4.46	-.002908	-.010043	.010456		.000	1753.720	.000000	.000000	.000000	.000000
1779.510	-4.56	-.002908	-.003723	.004724		.000	1753.720	.000000	.000000	.000000	.000000
1831.090	-4.76	-.012602	-.009872	.016008		.000	1874.398	.000000	.000000	.000000	.000000
1882.670	-5.86	-.005816	-.023449	.025034		.000	2005.055	.000000	.000000	.000000	.000000
1934.250	-5.36	.004847	-.026110	.026554		87.794	2061.095	3.409617	-.035431	.000014	.000000
1985.830	-5.36	.020357	-.027980	.034601		89.263	2059.516	3.391236	-.034741	.000013	.000000
2037.410	-1.26	.029081	-.002195	.029184		.000	1963.236	.000000	.000000	.000000	.000000
2088.990	-1.36	.003877	-.005030	.006351		.000	2077.530	.000000	.000000	.000000	.000000
2140.570	-2.86	.030050	-.017530	.034799		.000	2175.523	.000000	.000000	.000000	.000000
2192.150	.74	.024234	.023948	.034065		.000	2175.907	.000000	.000000	.000000	.000000
2243.730	-.36	-.014541	.004912	.015340		31.858	2254.204	4.177943	.031263	.000091	.000000
2295.310	-.76	.005816	-.021646	.023433		.000	2278.756	.000000	.000000	.000000	.000000
2346.890	-.26	.022295	-.009828	.024051		.000	2288.914	.000000	.000000	.000000	.000000
2398.470	1.54	.017449	.000146	.017497		.000	2410.497	.000000	.000000	.000000	.000000
2450.050	2.04	.016479	-.003050	.016759		.000	2431.114	.000000	.000000	.000000	.000000
2501.630	3.24	.024234	.001168	.024262		.000	2538.966	.000000	.000000	.000000	.000000
2553.210	4.54	.024234	.017863	.030106		57.983	2568.803	3.954966	-.001219	.000006	.000000
2604.790	5.74	-.004847	.026612	.027050		.000	2633.554	.000000	.000000	.000000	.000000
2656.370	4.04	-.012602	-.014772	.019417		.000	2622.092	.000000	.000000	.000000	.000000
2707.950	4.44	.032959	-.006333	.033561		.000	2756.710	.000000	.000000	.000000	.000000
2759.530	7.44	.005816	.029899	.030460		.000	2753.864	.000000	.000000	.000000	.000000
2811.110	5.04	-.013571	-.000936	.013603		70.231	2784.944	3.860229	.040749	.000006	.000000
2862.690	6.04	.002908	-.010048	.010460		69.608	2754.465	3.869584	.055456	.000018	.000000
2914.270	5.34	.016479	-.012064	.020423		.000	2511.684	.000000	.000000	.000000	.000000
2965.850	7.74	.025204	.014228	.028942		.000	2925.107	.000000	.000000	.000000	.000000
3017.430	7.94	-.007755	.014204	.016183		.000	3066.891	.000000	.000000	.000000	.000000
3068.010	6.94	.007755	-.011745	.014074		.000	3072.854	.000000	.000000	.000000	.000000
3119.590	8.74	.019387	.015827	.025027		51.916	3121.802	4.129159	-.025959	.000003	.000000
3171.170	8.94	-.014541	-.019950	.024687		.000	3192.580	.000000	.000000	.000000	.000000
3222.750	7.24	-.026173	-.019995	.032398		84.655	3221.791	3.875005	.000782	-.000009	.000000
3274.330	6.24	.019387	-.046693	.050558		.000	3287.345	.000000	.000000	.000000	.000000
3325.910	9.24	.025204	.002525	.025312		.000	3289.302	.000000	.000000	.000000	.000000
3377.490	11.94	.011632	.029315	.031539		.000	3380.972	.000000	.000000	.000000	.000000
3429.070	10.44	.003877	.000850	.003970		.000	3386.540	.000000	.000000	.000000	.000000
3480.650	12.34	.014541	.005878	.015684		.000	3499.342	.000000	.000000	.000000	.000000
3532.230	11.94	.009494	.003319	.010246		.000	3412.551	.000000	.000000	.000000	.000000
3583.810	13.34	.019387	.002835	.019594		.000	3607.708	.000000	.000000	.000000	.000000
3635.390	13.94	.022295	.016931	.027995		81.141	3648.580	3.969773	-.013168	.000006	.000000
3686.970	15.64	.002908	.027931	.028082		.000	3708.457	.000000	.000000	.000000	.000000
3738.550	14.24	-.011632	.001762	.011765		.000	3710.534	.000000	.000000	.000000	.000000
3790.130	14.44	.019387	-.006821	.020552		.000	3809.164	.000000	.000000	.000000	.000000
3841.710	16.24	.019387	.021235	.028754		83.906	3783.927	3.954332	-.033135	-.000010	.000000
3893.290	16.44	.004847	.020903	.021458		.000	5215.051	.000000	.000000	.000000	.000000
3944.870	16.74	-.005816	.023804	.024504		.000	3828.288	.000000	.000000	.000000	.000000
3996.450	15.84	-.016479	-.000347	.016483		.000	3904.846	.000000	.000000	.000000	.000000
4048.030	15.04	.009494	-.001617	.009928		.000	4067.027	.000000	.000000	.000000	.000000
4100.610	16.84	-.006784	.009043	.011305		.000	4247.755	.000000	.000000	.000000	.000000
4152.190	14.34	.005816	-.015925	.016954		.000	4151.495	.000000	.000000	.000000	.000000
4203.770	17.44	.022295	.009851	.024375		.000	4102.816	.000000	.000000	.000000	.000000
4255.350	16.64	.009494	.010439	.010484		.000	4900.935	.000000	.000000	.000000	.000000
4306.930	17.54	.009494	.001022	.009747		.000	4307.387	.000000	.000000	.000000	.000000
4358.510	17.64	.013571	.009554	.016597		81.240	4332.323	4.046738	-.005533	-.000002	.000000
4410.090	18.94	.007755	.014935	.016829		.000	4419.659	.000000	.000000	.000000	.000000
4461.670	18.44	.002908	.009148	.009599		.000	4405.401	.000000	.000000	.000000	.000000
4513.250	17.24	-.011632	.009412	.014963		.000	4549.562	.000000	.000000	.000000	.000000
4564.830	18.64	.008724	.025365	.026824		41.656	4568.294	4.337451	-.010808	.000004	.000000
4616.410	20.14	-.020357	-.025175	.032375		.000	4648.949	.000000	.000000	.000000	.000000
4667.990	17.54	-.020357	-.013588	.026259		.000	4645.818	.000000	.000000	.000000	.000000
4719.570	18.04	-.022295	-.007944	.023667		.000	4743.557	.000000	.000000	.000000	.000000
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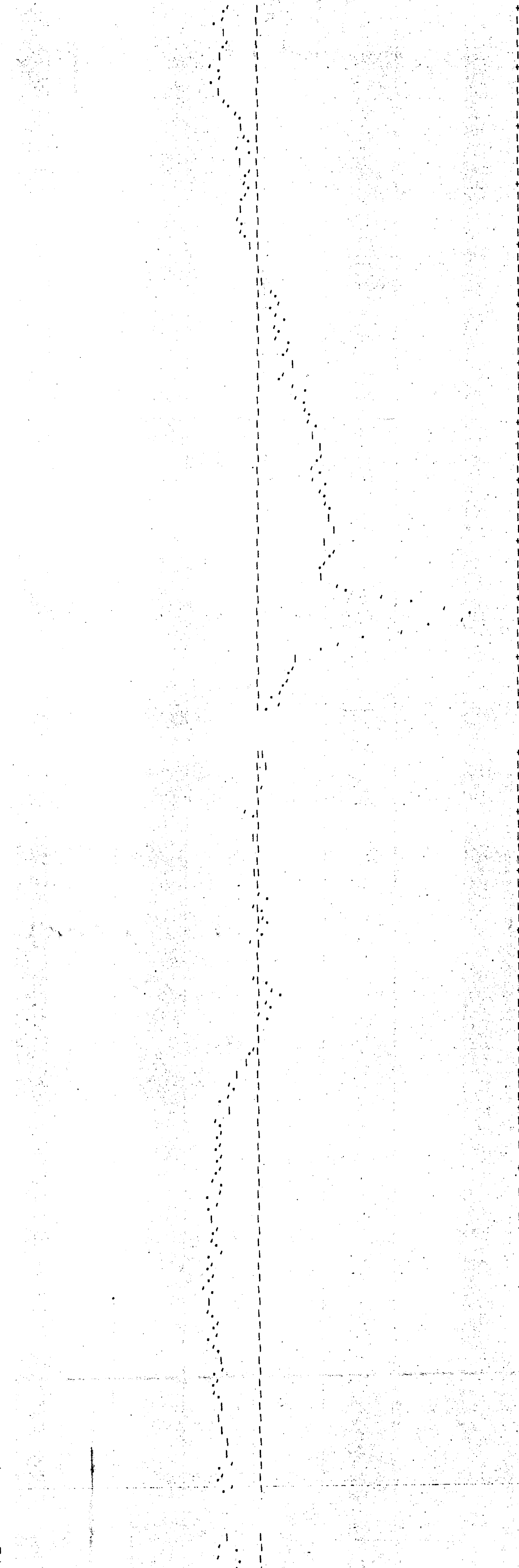
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10.749 UNITS/INCH

.00+
515.80+
1031.60+
1547.40+
2063.20+
2579.00+
3094.80+
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4126.40+
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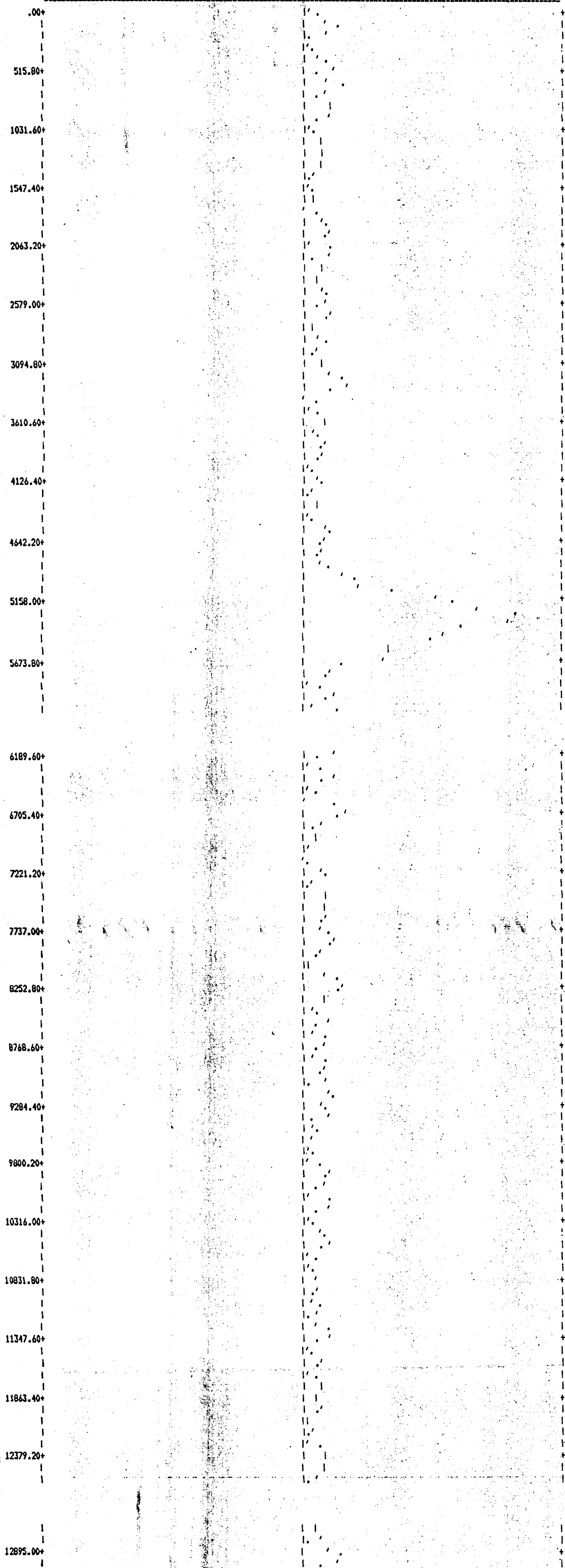
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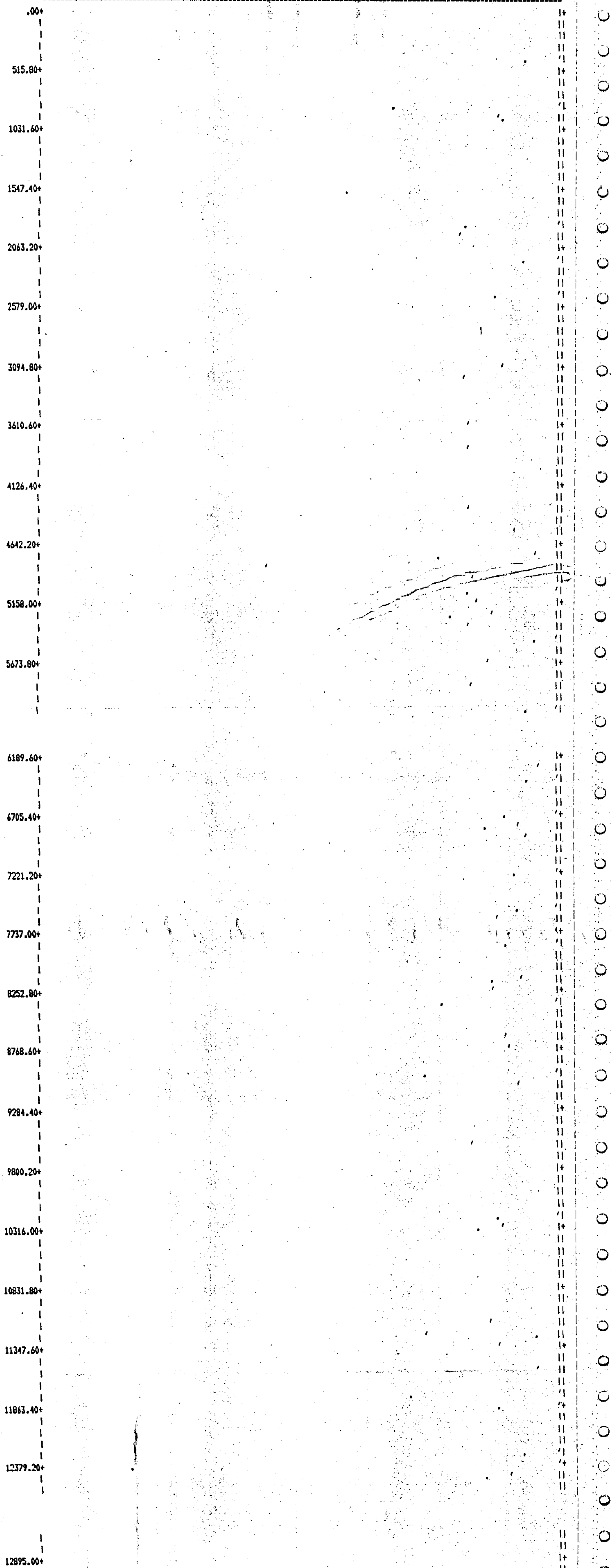


CR83/164

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515.80+
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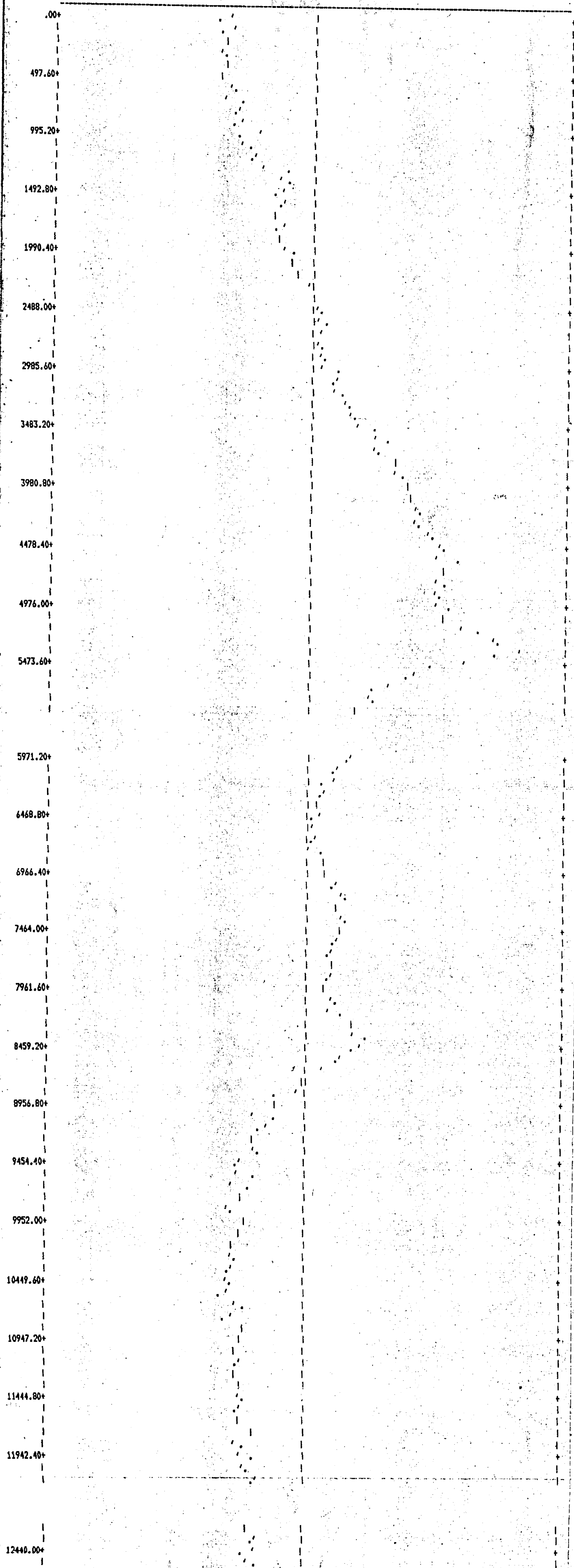
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START EASTING = 448001.0 START NORTHING = 0539466.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

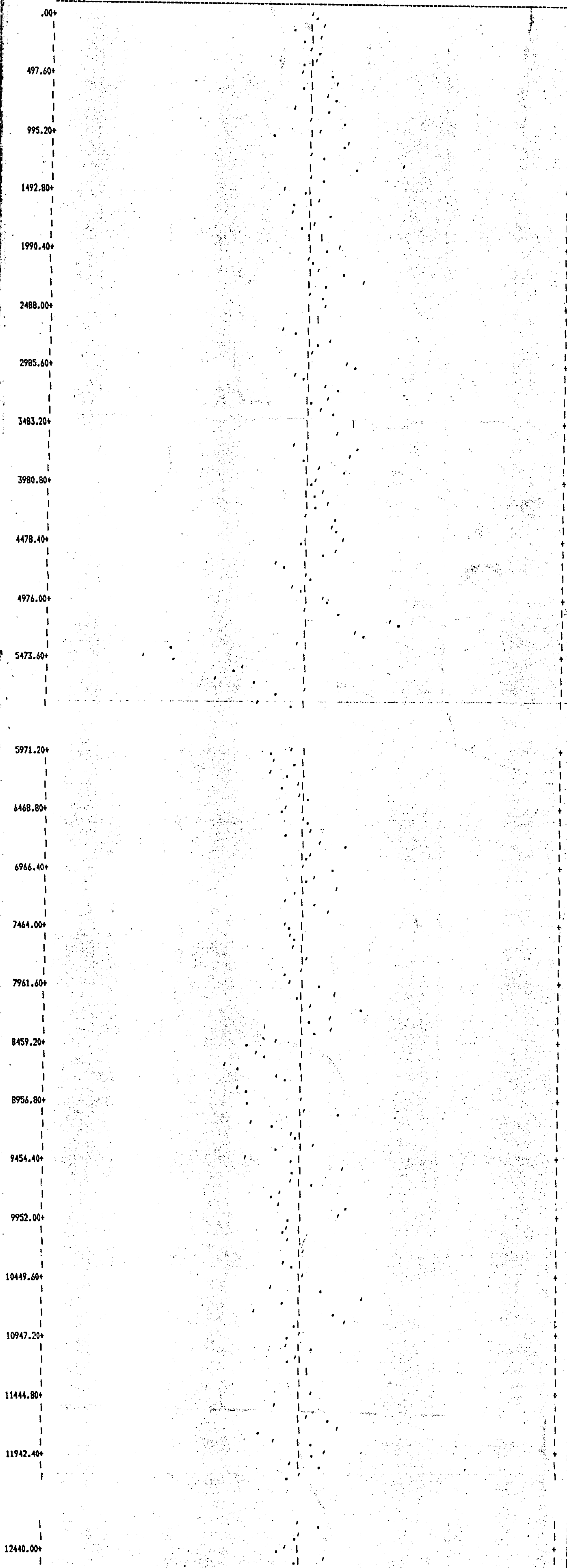
LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPT.
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74.440	-18.35	.003014	-.049184	.049274	.000	.000	.000000	.000000
124.400	-15.15	.009043	-.004261	.009997	.000	.000	.000000	.000000
174.140	-17.45	-.014068	-.016801	.021913	.000	195.910	.000000	.000000
223.920	-16.55	.007034	-.012347	.014210	.000	208.446	.000000	.000000
273.480	-14.75	-.008039	-.007410	.010933	.000	427.442	.000000	.000000
323.440	-17.35	-.001005	-.020554	.020580	.000	311.079	.000000	.000000
373.200	-16.85	.008039	-.012533	.014890	76.021	392.462	.919390	.000000
422.960	-16.55	.003014	-.004355	.005297	.000	409.254	.000000	.000000
472.720	-16.55	.008039	-.008077	.011394	47.843	514.032	2.907420	.000000
522.480	-17.35	-.006029	-.024215	.024954	51.828	514.552	1.908803	.017797
572.240	-17.15	.015072	-.026687	.030650	7.942	598.584	4.451925	-.007254
622.000	-15.85	.020094	-.002043	.020202	.000	585.742	.000000	.000000
671.760	-15.15	-.006029	-.004404	.007467	.000	801.747	.000000	.000000
721.520	-16.45	.014068	-.026150	.029494	.000	734.208	.000000	.000000
771.280	-13.75	.020094	.009660	.022299	.000	732.700	.000000	.000000
821.040	-14.45	-.013043	-.006435	.014451	.000	848.539	.000000	.000000
870.800	-15.05	.013043	-.016791	.021274	.000	875.120	.000000	.000000
920.560	-13.15	.000000	-.008007	.008007	.000	904.308	.000000	.000000
970.320	-15.05	.024114	-.019293	.030883	.000	1027.216	.000000	.000000
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1219.120	-10.95	.000000	-.003204	.003204	.000	1259.712	.000000	.000000
1268.880	-11.65	.011053	-.037223	.038830	.000	1259.581	.000000	.000000
1318.640	-9.85	.064309	-.014180	.065853	30.621	1337.596	4.003713	-.008421
1368.400	-5.25	.033159	.043029	.054323	.000	1353.634	.000000	.000000
1418.160	-6.55	.000000	.017324	.017324	.000	1150.901	.000000	.000000
1467.920	-5.25	.010048	.021409	.023450	.000	1437.155	.000000	.000000
1517.680	-5.55	-.018087	.016489	.024475	.000	1544.158	.000000	.000000
1567.440	-7.05	-.005024	-.010422	.011750	.000	1564.032	.000000	.000000
1617.200	-6.95	.007034	.006169	.009354	.000	1582.324	.000000	.000000
1666.960	-4.35	-.014068	.007192	.015800	.000	1494.780	.000000	.000000
1716.720	-7.45	-.013043	-.019367	.023311	.000	1695.784	.000000	.000000
1766.480	-7.65	.015072	-.016148	.022089	20.286	1776.956	4.265894	-.012440
1816.240	-5.95	.003014	.005622	.006437	.000	1814.902	.000000	.000000
1866.000	-7.35	.007034	-.015194	.016743	.000	1833.876	.000000	.000000
1915.760	-6.45	.011053	-.016233	.019638	.000	1958.594	.000000	.000000
1965.520	-6.25	.011053	-.012591	.016755	.000	1937.048	.000000	.000000
2015.280	-5.58	.022104	-.007974	.023500	.000	2060.727	.000000	.000000
2065.040	-4.05	.013043	.008418	.015650	.000	2054.348	.000000	.000000
2114.800	-4.25	-.001005	-.000997	.001414	40.011	2075.237	4.044282	.013557
2164.560	-4.15	.004019	.000013	.004079	.000	2182.474	.000000	.000000
2214.320	-3.85	.007034	-.015177	.016728	.000	2382.444	.000000	.000000
2264.080	-3.45	.025121	-.020202	.032233	32.572	2392.054	4.032284	-.000001
2313.840	1.35	.038183	.006087	.038665	61.010	2307.306	3.928175	.010123
2363.600	.35	-.014068	.022618	.026636	.000	2361.618	.000000	.000000
2413.360	.05	.000000	.007434	.007434	42.260	2366.903	4.084881	.025272
2463.120	.35	.009043	-.001431	.009189	.000	2469.008	.000000	.000000
2512.880	.95	.014068	.008184	.016275	.000	2467.194	.000000	.000000
2562.640	1.75	.002010	.009431	.009638	.000	2479.219	.000000	.000000
2612.400	1.15	.007034	.000611	.007645	.000	2626.659	.000000	.000000
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2711.920	1.95	.020094	.009947	.022432	.000	2744.835	.000000	.000000
2761.680	.45	-.009043	-.023262	.024958	.000	2746.400	.000000	.000000
2811.440	1.05	.017082	-.011045	.020342	24.724	2768.962	4.342062	-.004926
2861.200	2.15	.007034	.000850	.007885	.000	2928.731	.000000	.000000
2910.960	1.75	.003014	-.002674	.004029	.000	2882.817	.000000	.000000
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3010.480	1.55	.027130	-.023423	.035842	.000	3036.114	.000000	.000000
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3110.000	4.75	-.010048	-.015879	.018794	.000	3123.649	.000000	.000000
3159.760	4.15	-.004019	-.015475	.015988	53.870	3107.837	4.095933	.049805
3209.520	4.35	.014068	-.015277	.020769	74.132	3216.171	3.931819	-.004198
3259.280	5.55	.023111	-.006464	.023998	145.377	3241.898	3.205694	-.046617
3309.040	6.65	.017082	.007561	.018681	.000	3301.416	.000000	.000000
3358.800	7.25	.004019	-.000139	.004022	53.219	3363.439	4.123213	.026211
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3557.840	11.75	.033159	.014128	.036043	.000	3616.531	.000000	.000000
3607.600	12.25	.022104	.022483	.031530	92.885	3640.442	3.865152	.016803
3657.360	13.95	.000000	.026300	.026300	56.711	3709.439	4.165235	.054116
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3756.880	12.95	.037178	-.014929	.040623	.000	3782.392	.000000	.000000
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4204.720	19.25	.016077	.008870	.018342	.000	4313.203	.000000	.000000
4254.480	20.55	.007034	.019441	.020674	.000	4263.947	.000000	.000000
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4354.000	20.45	.022104	-.001357	.022104	.000	4303.280	.000000	.000000
4403.760	22.15	.019092	.016235	.028061	.000	4459.950	.000000	.000000
4453.520	22.35	.021101	.008082	.022586	.000	4451.711	.000000	.000000
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4602.800	23.75	.022104	.010791	.024690	.000	4644.076	.000000	.000000
4652.560	27.25	.013043	.049756	.051442	.000	4637.344	.000000	.000000
4702.320	25.05	-.023111	.032505	.039884	46.719	4707.832	4.310978	.021029
4752.080	24.95	-.016077	.006808	.017459	.000	4721.374	.000000	.000000
4801.840	23.45	.002010	.003230	.003804	60.277	4817.487	4.232334	-.025912
4851.600	25.15	.003014	.018299	.018544	.000	4822.617	.000000	.000000
4901.360	23.75	-.010048	.010781	.014742	.000	4941.945	.000000	.000000
4951.120	24.15	-.003014	-.002191	.003727	44.488	4932.514	4.341919	.015745
5000.880	23.45	.014068	-.004155	.014468	57.601	5030.736	4.313266	-.016982
5050.640	25.55	.017082	.016324	.023767	.000	5012.930	.000000	.000000
5100.400	25.15	-.002010	.004203	.004659	.000	5165.441	.000000	.000000
5150.160	25.35	.026125	-.015859	.025642	57.158	5130.879	4.280790	.056880
5199.920	27.75	.029205	.005320	.035923	111.107	5232.524	4.237405	-.053412
5249.680	31.25	.005324	.008099	.008277	.000	5218.041	.000000	.000000
5299.440	34.25	.035189	.077014	.079245	.000	5344.737	.000000	.000000
5349.200	34.75	.042203	.086228	.094602	.000	5431.744	.000000	.000000
5398.960	38.45	.007034	.144661	.144831	76.599	5409.175	4.192700	-.042669
5448.720	34.05	.009449	.111651	.115587	83.367	5430.286	4.156828	.000230
5498.480	29.15	-.112540	.046587	.121783	.000	5390.840	.000000	.000000
5548.240	22.85	-.002444	-.008017	.009271	30.988	5544.625	4.438171	-.069427
5598.000	19.95	-.006222	-.011905	.014704	53.588	5567.378	4.321968	-.087806
5647.760	18.25	-.052251	-.007243	.052750	.000	5639.863	.000000	.000000
5697.520	14.75	.062299	-.016874	.064544	37.817	5747.930	4.409823	.031201
5747.280	12.05	.035169	.039595	.052959	13.801	5752.646	4.529319	-.038189

8483.120	1.95	-.053254	-.017113	.053938	.000	8719.208	.000000	.000000	.000000
8732.880	.55	-.044212	-.014934	.046667	48.154	8706.886	4.442051	-.008608	-.000001
8782.640	-.85	-.019092	-.015168	.024384	50.313	8815.450	4.439252	-.042513	.000001
8832.408	-1.35	-.012058	.005675	.013326	.000	8804.363	.000000	.000000	.000000
8882.160	-2.05	-.044212	.011109	.045587	.000	8913.013	.000000	.000000	.000000
8931.928	-5.75	-.039188	-.035213	.052684	.000	8913.824	.000000	.000000	.000000
8981.680	-5.95	-.040005	-.012981	.013020	.000	9051.879	.000000	.000000	.000000
9031.440	-5.85	-.039188	-.011440	.040824	.000	5003.543	.000000	.000000	.000000
9081.200	-9.85	.003014	-.051778	.051865	.000	8091.890	.000000	.000000	.000000
9130.960	-5.55	.027130	.014821	.030914	.000	8085.913	.000000	.000000	.000000
9180.720	-7.15	-.036174	.015544	.039372	.000	9203.309	.000000	.000000	.000000
9230.480	-9.15	-.023111	-.026344	.035044	.000	9191.231	.000000	.000000	.000000
9280.240	-9.45	-.007034	-.015857	.017347	.000	6291.594	.000000	.000000	.000000
9330.000	-9.85	-.004019	-.020040	.020439	.000	9310.954	.000000	.000000	.000000
9379.760	-9.85	.010048	-.001584	.010172	.000	9433.614	.000000	.000000	.000000
9429.520	-8.85	-.019092	.014707	.024100	.000	9439.482	.000000	.000000	.000000
9479.280	-11.75	-.039188	.017595	.042957	84.604	9487.729	4.340832	.062911	-.000006
9529.040	-12.75	-.008039	-.047767	.048439	.000	9533.187	.000000	.000000	.000000
9578.800	-12.55	.029140	-.015429	.032972	.000	9530.451	.000000	.000000	.000000
9628.560	-9.85	-.007034	.011643	.013602	.000	9451.283	.000000	.000000	.000000
9678.320	-13.25	-.008039	-.021816	.023250	.000	9653.440	.000000	.000000	.000000
9728.080	-10.65	.011053	.000192	.011055	.000	9817.316	.000000	.000000	.000000
9777.840	-12.15	-.015072	.004932	.015859	.000	9775.687	.000000	.000000	.000000
9827.600	-12.15	-.023111	-.010930	.025565	.000	9793.922	.000000	.000000	.000000
9877.360	-14.45	-.016077	-.040555	.043626	39.667	9892.873	4.483208	.003590	-.000006
9927.120	-13.75	.034164	-.034336	.048423	29.285	9948.003	4.513030	-.024900	-.000001
9976.880	-11.05	.027130	.017932	.032521	.000	9949.000	.000000	.000000	.000000
10026.640	-11.05	-.009043	.014505	.017093	.000	9911.126	.000000	.000000	.000000
10076.400	-11.95	-.011053	.000140	.011954	.000	10056.140	.000000	.000000	.000000
10126.160	-12.15	-.014068	-.004378	.014733	51.402	10179.474	4.453570	-.003840	-.000002
10175.920	-13.35	-.010048	-.016022	.018912	61.557	10179.474	4.425859	-.002207	-.000003
10225.680	-13.15	.001005	-.013897	.013933	68.400	10203.016	4.405879	-.007850	-.000003
10275.440	-13.25	.003014	-.008480	.009000	.000	10269.771	.000000	.000000	.000000
10325.200	-12.85	.001005	.000210	.001027	24.462	10338.244	4.530267	-.002683	.000001
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10474.480	-13.95	.004019	-.013803	.014376	42.199	10511.734	4.483411	-.021110	.000002
10524.240	-13.75	-.002010	-.000416	.002052	.000	10517.536	.000000	.000000	.000000
10574.000	-14.15	-.022106	-.019217	.029291	.000	10621.043	.000000	.000000	.000000
10623.760	-15.95	.016077	-.046370	.049078	.000	10635.715	.000000	.000000	.000000
10673.520	-12.55	.045217	.004244	.045444	46.238	10660.938	4.480946	-.045174	.000000
10723.280	-11.45	-.012058	.032027	.034222	.000	10738.124	.000000	.000000	.000000
10773.040	-13.75	-.032154	-.025484	.041153	.000	10743.912	.000000	.000000	.000000
10822.800	-14.65	.026125	-.039521	.047375	.000	10838.830	.000000	.000000	.000000
10872.560	-11.15	.033159	.014527	.036202	.000	10838.907	.000000	.000000	.000000
10922.320	-11.35	-.005024	.015150	.015961	.000	11064.303	.000000	.000000	.000000
10972.080	-11.65	.002010	.001819	.002710	.000	10931.963	.000000	.000000	.000000
11021.840	-11.55	-.011053	.004151	.011807	.000	11056.540	.000000	.000000	.000000
11071.600	-12.75	-.009043	-.015407	.017845	.000	11056.710	.000000	.000000	.000000
11121.360	-12.45	.009043	-.007238	.011583	24.687	11124.470	4.534149	-.011304	-.000000
11171.120	-11.85	-.005024	.003658	.006215	.000	11183.828	.000000	.000000	.000000
11220.880	-12.95	-.009043	-.013448	.016204	.000	11191.863	.000000	.000000	.000000
11270.640	-12.75	.006029	-.013716	.015001	.000	11272.756	.000000	.000000	.000000
11320.400	-12.35	.006029	-.004713	.007653	41.170	11263.322	4.493280	-.004610	-.000002
11370.160	-12.15	.002010	-.003092	.003687	.000	11401.420	.000000	.000000	.000000
11419.920	-12.15	.000000	-.007927	.007927	.000	11364.300	.000000	.000000	.000000
11469.680	-12.15	.011053	-.006055	.012603	.000	11521.019	.000000	.000000	.000000
11519.440	-11.05	.001005	.011670	.011714	.000	11518.333	.000000	.000000	.000000
11569.200	-12.05	-.019092	-.006673	.020224	38.368	11559.022	4.502205	.013794	.000001
11618.960	-12.95	.001005	-.022903	.022925	.000	11678.597	.000000	.000000	.000000
11668.720	-11.95	.008039	-.013402	.015628	.000	11553.054	.000000	.000000	.000000
11718.480	-12.15	.022104	-.016107	.027352	40.938	11779.360	4.498607	-.015599	.000007
11768.240	-9.75	.027130	.025874	.037490	.000	11766.926	.000000	.000000	.000000

11818.000	-9.45	-.031150	.022539	.038449	.000	11836.790	.000000	.000000	.000000
11867.760	-12.85	-.018087	-.029272	.034409	29.278	11829.804	4.526957	.029603	.000003
11917.520	-11.25	.011053	-.019707	.022595	77.514	11915.651	4.411242	-.023716	-.000009
11967.280	-11.75	.019092	-.008987	.021101	158.704	11905.418	4.212752	-.098419	-.000035
12017.040	-9.35	.009043	.012930	.015778	.000	12022.014	.000000	.000000	.000000
12066.800	-10.85	-.007034	-.007033	.009944	.000	11747.318	.000000	.000000	.000000
12116.560	-10.05	.017082	-.003818	.017504	.000	12292.715	.000000	.000000	.000000
12166.320	-9.15	.001005	.014299	.014334	.000	12161.344	.000000	.000000	.000000
12216.080	-9.75	-.011053	-.000442	.011062	101.379	12223.652	4.373061	.046441	-.000001
12265.840	-10.25	-.001005	-.014179	.014214	.000	12263.076	.000000	.000000	.000000
12315.600	-10.05	.017082	-.002000	.017199	33.155	12294.128	4.520632	-.009897	-.000001
12365.360	-8.55	.001005	.013598	.013635	.000	12491.372	.000000	.000000	.000000
12415.120	-9.75	-.004019	.003005	.005018	.000	11018.125	.000000	.000000	.000000
12464.880	-8.95	-.010048	.008453	.013131	.000	12683.450	.000000	.000000	.000000
12514.640	-10.95	-.016077	-.016597	.023107	.000	12461.845	.000000	.000000	.000000
12564.400	-10.55	.019092	-.010153	.021624	.000	.000	.000000	.000000	.000000
12614.160	-9.05	-.004019	.016869	.017341	.000	.000	.000000	.000000	.000000
12663.920	-10.95	-.020096	-.008775	.021929	.000	.000	.000000	.000000	.000000

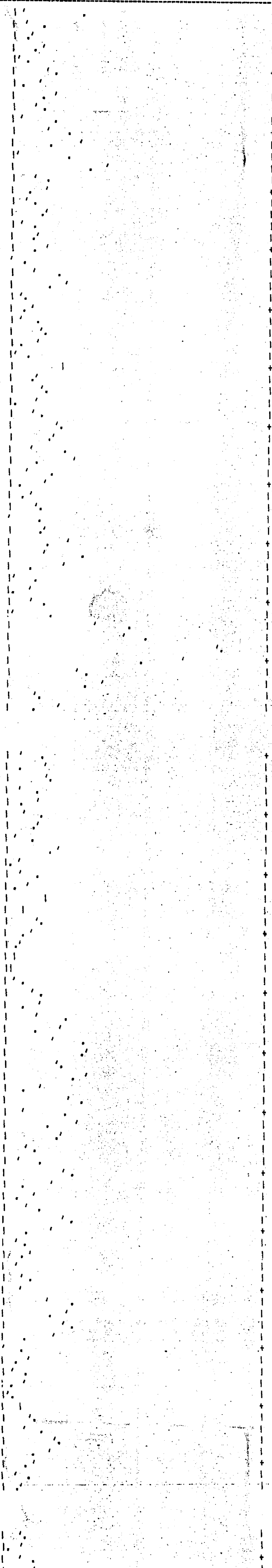


CR83/164



CR83/164

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497.60+
995.20+
1492.80+
1990.40+
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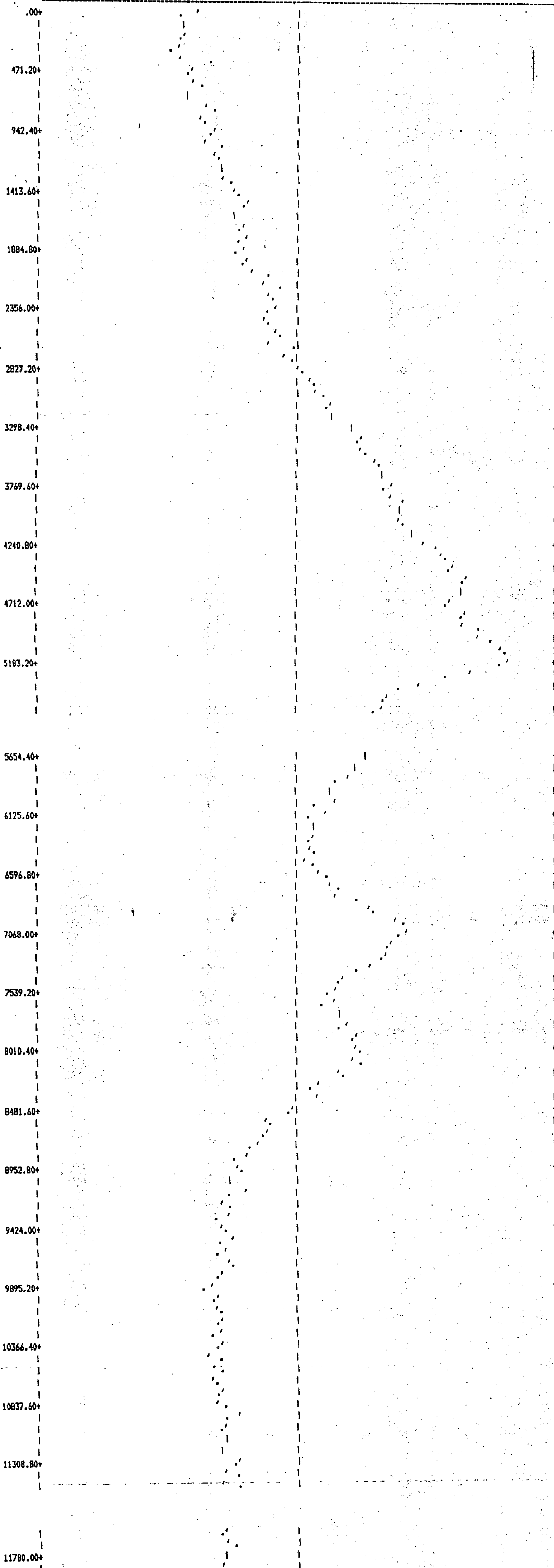
INPUT PARAMETERS
DECLIN=47.1200000 LY= 256 SHOOT= .750 DECLIN = 2.0 INCLIN = 139.0
DIB = 90.0 STRIKE = 2.0
START EASTING = 668024.0 START NORTHING = 8539167.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION	X MAGNETIC	REAL	IMAGINARY	TOTAL	DEPTH	X MAGNETIC	DIP	X MAGNETIC	SUSCEPT.
OF X	READING	DERIVATIVE		REAL	HORIZ-DIST.	OFF-SET			
21.560	-20.04	.000000	.007594	.007594	.000	.000	.000000	.000000	.000000
76.680	-23.64	-.023345	-.057522	.062079	.000	.000	.000000	.000000	.000000
117.800	-22.24	.013795	-.020507	.024715	.000	.000	.000000	.000000	.000000
164.920	-22.34	-.004244	-.007663	.008760	.000	34.434	.000000	.000000	.000000
212.040	-22.64	-.008489	-.013223	.015713	.000	199.524	.000000	.000000	.000000
259.160	-23.14	-.010611	-.016345	.019488	.000	241.103	.000000	.000000	.000000
306.280	-23.64	-.020161	-.027653	.034223	.000	364.278	.000000	.000000	.000000
353.400	-25.04	-.005306	-.047601	.047809	.000	364.966	.000000	.000000	.000000
400.520	-23.14	.076401	-.024939	.080348	37.910	422.910	2.282034	-.049912	.000011
447.640	-17.84	.020161	.055423	.058976	.000	443.610	.000000	.000000	.000000
494.760	-21.24	-.043506	-.003676	.043661	26.826	461.942	2.890773	.051295	.000012
541.880	-21.94	.007428	-.040609	.041282	.000	550.075	.000000	.000000	.000000
589.000	-20.54	.024406	.000156	.024406	14.953	556.949	3.806711	-.034714	-.000004
636.120	-19.64	.014854	.000710	.017221	.000	657.463	.000000	.000000	.000000
683.240	-21.94	-.023345	-.039709	.046063	45.103	671.056	2.869250	.058490	-.000005
730.360	-21.84	.037139	-.052556	.064354	.000	749.034	.000000	.000000	.000000
777.480	-18.44	.054117	.013525	.055782	.000	750.922	.000000	.000000	.000000
824.600	-16.74	-.007428	.029129	.030661	.000	838.390	.000000	.000000	.000000
871.720	-19.14	-.014854	-.020721	.025496	.000	840.101	.000000	.000000	.000000
918.840	-18.14	.022284	-.016715	.027854	.000	953.046	.000000	.000000	.000000
965.960	-17.04	.004367	.010815	.012550	.000	963.598	.000000	.000000	.000000
1013.080	-17.54	-.027333	-.017082	.021365	.000	959.461	.000000	.000000	.000000
1060.200	-18.24	.023345	-.023484	.033113	.000	1104.338	.000000	.000000	.000000
1107.320	-15.34	.012733	.009116	.015660	.000	1098.676	.000000	.000000	.000000
1154.440	-17.04	-.003183	-.013619	.013987	.000	895.280	.000000	.000000	.000000
1201.560	-15.44	.018039	-.009980	.020616	.000	1137.611	.000000	.000000	.000000
1248.680	-15.34	.003183	.000007	.003183	.000	1265.989	.000000	.000000	.000000
1295.800	-15.34	.001061	-.018328	.018359	46.634	1281.806	3.624692	.030648	-.000001
1342.920	-15.24	.022284	-.021911	.031251	5.327	1354.875	4.484729	.007283	-.000001
1390.040	-13.24	.028650	.000639	.029657	.000	1347.632	.000000	.000000	.000000
1437.160	-12.54	.014854	.000996	.014889	.000	1456.302	.000000	.000000	.000000
1484.280	-11.84	.028650	.005896	.029251	.000	1548.229	.000000	.000000	.000000
1531.400	-9.84	.009550	.033603	.034933	34.834	1528.911	3.948047	-.006516	.000006
1578.520	-10.94	-.026528	.016801	.031401	63.602	1597.025	2.860432	.045977	.000001
1625.640	-12.34	.022284	-.021509	.030971	.000	1602.003	.000000	.000000	.000000
1672.760	-13.04	.010611	-.024448	.026835	37.670	1620.640	3.739407	.005299	-.000004
1719.880	-11.34	.012733	-.006103	.014120	.000	1724.476	.000000	.000000	.000000
1767.000	-11.84	.011672	-.002407	.011918	70.144	1806.154	3.486835	.000336	.000006
1814.120	-10.24	-.001061	.006708	.006792	48.321	1825.798	3.832599	.007825	.000003
1861.240	-11.94	-.010611	-.010531	.014956	109.356	1878.341	3.160919	.042408	-.000004
1908.360	-11.24	-.004244	-.020067	.020511	49.165	1895.064	3.867561	.012397	-.000002
1955.480	-12.34	.011672	-.028359	.030647	41.845	1970.249	3.464857	-.012274	-.000002
2002.600	-10.14	.014854	-.007768	.016744	.000	1965.814	.000000	.000000	.000000
2049.720	-10.94	.004244	-.023344	.023261	.000	2022.358	.000000	.000000	.000000
2096.840	-9.74	.051995	-.021501	.056245	.000	2157.277	.000000	.000000	.000000
2143.960	-6.04	.028650	.017949	.033099	.000	2170.794	.000000	.000000	.000000
2191.080	-7.04	.023345	.005096	.023894	.000	2230.519	.000000	.000000	.000000
2238.200	-3.84	.012733	.028543	.031252	35.397	2324.785	4.164289	.043000	-.000007
2285.320	-5.84	-.011672	.003401	.012158	.000	2433.223	.000000	.000000	.000000
2332.440	-4.94	.010611	.006525	.010624	.000	2091.735	.000000	.000000	.000000
2379.560	-4.84	-.009550	.013275	.016354	.000	2386.752	.000000	.000000	.000000
2426.680	-5.84	-.019100	-.015278	.024459	96.985	2431.819	3.535764	.057710	-.000006
2473.800	-6.64	.001061	-.030286	.030305	34.522	2471.718	4.198495	.007159	-.000005
2520.920	-5.74	.026528	-.023874	.035689	81.366	2563.886	3.712752	-.065913	.000014
2568.040	-4.14	.021222	.014202	.025536	.000	2552.016	.000000	.000000	.000000
2615.160	-3.74	-.025467	-.011266	.027847	.000	2644.288	.000000	.000000	.000000
2662.280	-6.54	.027589	-.051117	.058087	.000	2675.047	.000000	.000000	.000000
2709.400	-1.14	.041384	.011496	.042951	.000	2673.069	.000000	.000000	.000000
2756.520	-2.64	-.004244	-.004530	.006208	.000	3009.937	.000000	.000000	.000000
2803.640	-1.54	.023345	-.024832	.034082	.000	2783.911	.000000	.000000	.000000
2850.760	-.04	.030772	-.007987	.031792	97.940	2707.120	3.571849	-.000856	-.000035
2897.880	1.36	.039772	-.002023	.030839	.000	2990.317	.000000	.000000	.000000
2945.000	2.46	.028650	.007503	.029616	42.850	3003.207	4.185547	.028276	.000002
2992.120	4.06	.013795	.012907	.018891	.000	3022.847	.000000	.000000	.000000
3039.240	3.76	.009550	-.009284	.013319	.000	3004.706	.000000	.000000	.000000
3086.360	4.96	.036070	-.000240	.036079	.000	3138.735	.000000	.000000	.000000
3133.480	7.16	.015917	.021617	.026845	.000	3116.469	.000000	.000000	.000000
3180.600	6.46	-.001061	.005586	.005685	133.357	3290.944	3.447288	.172143	-.000105
3227.720	7.06	.001061	-.020523	.020551	42.728	3227.693	4.220912	.040728	-.000006
3274.840	6.56	.046689	-.027097	.053983	11.205	3294.825	4.499511	.000159	-.000001
3321.960	11.46	.051995	-.027298	.058725	5.904	3294.785	4.546213	.001040	-.000001
3369.080	11.46	.011672	.024675	.031888	28.778	3305.831	4.353137	.006011	.000001
3416.200	12.56	.006367	.014319	.015670	.000	3412.640	.000000	.000000	.000000
3463.320	12.06	.005306	.002691	.005949	47.659	3465.736	4.284884	.019699	-.000002
3510.440	13.06	.019100	-.005156	.019160	33.319	3439.748	4.282164	.024671	.000000
3557.560	13.86	.022284	.005838	.023309	.000	3544.709	.000000	.000000	.000000
3604.680	15.16	.023345	.012076	.024281	57.734	3619.489	4.143789	.012216	.000002
3651.800	16.06	.013795	.019213	.023653	.000	3673.143	.000000	.000000	.000000
3698.920	16.46	.009550	.004207	.011390	.000	3626.768	.000000	.000000	.000000
3746.040	16.16	.023345	.013973	.027207	.000	3637.526	.000000	.000000	.000000
3793.160	18.46	.000000	.023858	.023858	.000	3818.689	.000000	.000000	.000000
3840.280	16.96	.000000	-.011179	.011179	.000	3820.073	.000000	.000000	.000000
3887.400	18.46	.038200	.001539	.038231	.000	3916.546	.000000	.000000	.000000
3934.520	20.56	.016970	.034615	.038555	.000	3920.444	.000000	.000000	.000000
3981.640	20.26	-.006367	.014997	.016292	42.222	3939.232	4.290749	.019511	.000005
4028.760	19.96	.001061	.001865	.002146	.000	4051.518	.000000	.000000	.000000
4075.880	20.36	.006367	-.007035	.009488	.000	3888.709	.000000	.000000	.000000
4123.000	20.96	.024406	-.004635	.024842	1000.960	4312.000	-12.110378	-.003906	.000074
4170.120	22.66	.016970	.007245	.018459	.000	4199.218	.000000	.000000	.000000
4217.240	28.16	.022284	-.013114	.025857	.000	4216.837	.000000	.000000	.000000
4264.360	24.76	.055128	.004472	.055557	28.869	4268.891	4.401026	.015958	-.000001
4311.480	27.36	.032895	.037894	.050180	.000	4309.909	.000000	.000000	.000000
4358.600	27.86	.022284	.020554	.030316	.000	4286.330	.000000	.000000	.000000
4405.720	29.46	.032895	.037574	.049939	.000	4393.633	.000000	.000000	.000000
4452.840	30.96	.002122	.036778	.036859	.000	4359.403	.000000	.000000	.000000
4499.960	29.66	.022284	.014448	.026557	.000	4516.854	.000000	.000000	.000000
4547.080	33.06	.025467	.052182	.058065	.000	4527.751	.000000	.000000	.000000
4594.200	32.06	-.011672	.042645	.044214	.000	4662.650	.000000	.000000	.000000
4641.320	31.96	-.001061	.028172	.028192	.000	4523.520	.000000	.000000	.000000
4688.440	31.96	.019100	.035972	.040728	.000	4708.866	.000000	.000000	.000000
4735.560	30.16	-.027589	-.010317	.029455	31.419	4738.040	4.408569	.021013	-.000005
4782.680	29.36	.035017	-.019573	.040116	.000	4800.970	.000000	.000000	.000000
4829.800	33.46	.035017	.042364	.054964	.000	4806.000	.000000	.000000	.000000
4876.920	32.66	-.008489	.020922	.022579	.000	4900.480	.000000	.000000	.000000
4924.040									

8222.440	9.86	-0.33956	.028764	.044501	.000	8197.025	.000000	.000000	.000000
8269.560	9.26	-0.43504	.040415	.059517	.000	8198.105	.000000	.000000	.000000
8316.680	4.76	-0.65789	-.066698	.066130	.000	8099.665	.000000	.000000	.000000
8361.800	3.06	-0.06347	-.011192	.012877	.000	8428.638	.000000	.000000	.000000
8410.920	4.16	-0.33956	.034232	.048217	.000	8409.674	.000000	.000000	.000000
8458.040	-1.14	-0.54117	-.010268	.055083	.000	8368.803	.000000	.000000	.000000
8505.160	-9.4	-0.22284	-.002864	.022467	.000	8506.153	.000000	.000000	.000000
8552.280	-2.24	-0.54117	-.000608	.054121	.000	8634.919	.000000	.000000	.000000
8599.400	-6.04	-0.32895	-.042672	.053879	.000	8590.745	.000000	.000000	.000000
8646.520	-5.34	-0.02122	-.016265	.016403	.000	8548.337	.000000	.000000	.000000
8693.640	-6.24	-0.01803	-.007798	.019652	.000	8691.003	.000000	.000000	.000000
8740.760	-7.04	-0.12733	-.007310	.014683	.000	8677.074	.000000	.000000	.000000
8787.880	-7.44	-0.24406	-.002661	.024550	.000	8846.137	.000000	.000000	.000000
8835.000	-9.34	-0.25467	-.011861	.028093	.000	8819.872	.000000	.000000	.000000
8882.120	-9.84	-0.31834	-.016682	.035940	.000	8937.884	.000000	.000000	.000000
8929.240	-12.34	-0.01803	-.040581	.044409	.000	8937.935	.000000	.000000	.000000
8976.360	-11.54	.012733	-.017402	.021563	19.360	8958.155	4.535876	-.032268	-.000001
9023.480	-11.14	-0.22284	.005677	.022995	.000	9043.755	.000000	.000000	.000000
9070.600	-13.64	-0.27589	-.045327	.053043	.000	9046.155	.000000	.000000	.000000
9117.720	-13.74	-0.36078	-.029035	.046310	.000	9154.682	.000000	.000000	.000000
9164.840	-10.24	.000000	-.034438	.034438	.000	9159.296	.000000	.000000	.000000
9211.960	-13.74	-.050934	-.014013	.052824	37.882	9194.629	4.479427	.039810	.000004
9259.080	-15.04	.000000	-.048428	.048428	.000	9267.854	.000000	.000000	.000000
9306.200	-13.74	.019100	-.001148	.019135	.000	9271.336	.000000	.000000	.000000
9353.320	-13.24	-0.24406	.004614	.024838	.000	9378.041	.000000	.000000	.000000
9400.440	-16.04	-0.22284	-.037039	.043225	30.802	9375.539	4.498547	.032743	.000000
9447.560	-15.34	.018039	-.037136	.041286	18.300	9466.368	4.542506	-.022298	-.000002
9494.680	-14.34	-0.26528	-.001492	.026570	4.469	9466.051	4.578456	-.019783	-.000001
9541.800	-12.84	-0.08489	.013017	.015540	31.791	9528.208	4.502516	.002734	.000000
9588.920	-15.14	-0.13795	-.011787	.018145	.000	9824.708	.000000	.000000	.000000
9636.040	-14.14	-0.08489	-.012908	.015449	.000	9659.600	.000000	.000000	.000000
9683.160	-15.94	.003183	-.029986	.030154	31.256	9758.553	4.506454	-.026528	.000005
9730.280	-13.84	.033956	.003309	.034117	32.167	9754.195	4.503772	-.025099	.000004
9777.400	-12.74	-0.13795	.033938	.036634	.000	9774.316	.000000	.000000	.000000
9824.520	-15.14	-0.35017	-.006776	.035667	.000	9772.293	.000000	.000000	.000000
9871.640	-16.04	-0.20161	-.016109	.025807	.000	9888.387	.000000	.000000	.000000
9918.760	-17.04	-0.21222	-.029901	.036667	.000	9774.611	.000000	.000000	.000000
9965.880	-18.04	.007428	-.036278	.037031	41.574	9951.816	4.478370	-.006849	-.000004
10013.000	-17.34	.010611	-.012848	.016663	.000	9989.893	.000000	.000000	.000000
10060.120	-16.04	.005306	-.019587	.020293	.000	10071.164	.000000	.000000	.000000
10107.240	-15.84	.021222	-.008046	.022696	.000	10195.591	.000000	.000000	.000000
10154.360	-15.04	.003183	.010316	.010796	.000	10154.492	.000000	.000000	.000000
10201.480	-15.54	-0.10611	-.006008	.012194	.000	10128.642	.000000	.000000	.000000
10248.600	-16.04	.002122	-.010281	.010498	.000	10233.235	.000000	.000000	.000000
10295.720	-15.34	-.005306	-.002693	.005950	.000	10359.613	.000000	.000000	.000000
10342.840	-16.54	-.002122	-.016974	.017106	.000	10340.180	.000000	.000000	.000000
10389.960	-15.54	.005306	.000223	.005310	.000	10494.489	.000000	.000000	.000000
10437.080	-16.04	-0.18039	-.011813	.021563	.000	10397.813	.000000	.000000	.000000
10484.200	-17.24	.018611	-.026156	.028226	.000	10512.899	.000000	.000000	.000000
10531.320	-15.04	.009489	.001126	.008563	.000	10502.809	.000000	.000000	.000000
10578.440	-16.44	-0.02122	-.008817	.009069	.000	10829.759	.000000	.000000	.000000
10625.560	-15.24	.000000	-.004895	.004895	.000	10628.682	.000000	.000000	.000000
10672.680	-16.44	-.004244	-.017307	.017307	.000	10671.966	.000000	.000000	.000000
10719.800	-15.64	.013795	-.011512	.017967	.000	10780.426	.000000	.000000	.000000
10766.920	-15.14	.000000	.002762	.002762	.000	10782.594	.000000	.000000	.000000
10814.040	-15.64	-0.11672	-.016553	.020255	65.732	10838.649	4.424831	.044353	-.000008
10861.160	-16.24	.016978	-.035261	.039136	.000	10873.878	.000000	.000000	.000000
10908.280	-14.04	.045628	.008346	.046385	37.166	10898.042	4.502055	-.027872	.000001
10955.400	-11.94	-.007428	.035960	.036720	.000	10957.436	.000000	.000000	.000000
11002.520	-14.74	-0.21222	-.007769	.022600	.000	10957.404	.000000	.000000	.000000
11049.640	-13.94	-.003183	-.009247	.009779	.000	11101.291	.000000	.000000	.000000
11096.760	-15.04	.000000	-.014142	.014142	.000	11080.275	.000000	.000000	.000000
11143.880	-13.94	.009550	.000772	.009581	.000	11143.231	.000000	.000000	.000000

11191.000	-14.14	-0.15917	.001605	.015998	.000	11223.171	.000000	.000000	.000000
11238.120	-15.44	-0.10611	-.032335	.034032	.000	11226.427	.000000	.000000	.000000
11285.240	-15.14	.036078	-.027819	.045558	.000	11312.884	.000000	.000000	.000000
11332.360	-12.04	.028650	.030997	.042209	.000	11314.443	.000000	.000000	.000000
11379.480	-12.44	-.024406	.011632	.027036	.000	11871.306	.000000	.000000	.000000
11426.600	-14.34	.003183	-.011701	.012126	.000	11415.772	.000000	.000000	.000000
11473.720	-12.14	-.007428	.004414	.008641	.000	11387.332	.000000	.000000	.000000
11520.840	-15.04	.005306	-.017278	.018074	.000	11540.830	.000000	.000000	.000000
11567.960	-11.64	.009550	.022379	.024332	.000	11536.293	.000000	.000000	.000000
11615.080	-14.14	-0.39261	-.000705	.039268	.000	11663.349	.000000	.000000	.000000
11662.200	-15.34	.000000	-.041337	.041337	.000	11660.327	.000000	.000000	.000000
11709.320	-14.14	.026528	-.003466	.026753	61.786	11684.955	4.445933	-.050569	-.000007
11756.440	-12.84	.001061	.014305	.014344	.000	11748.431	.000000	.000000	.000000
11803.560	-14.04	-0.18039	.001463	.018098	117.970	11816.487	4.344206	.086161	-.000001
11850.680	-14.54	-.009550	-.024649	.026435	.000	11839.725	.000000	.000000	.000000
11897.800	-14.94	.016978	-.012418	.021034	.000	.000	.000000	.000000	.000000
11944.920	-12.94	.004244	-.003476	.005486	.000	.000	.000000	.000000	.000000
11992.040	-14.54	-.002122	-.001287	.002482	.000	.000	.000000	.000000	.000000

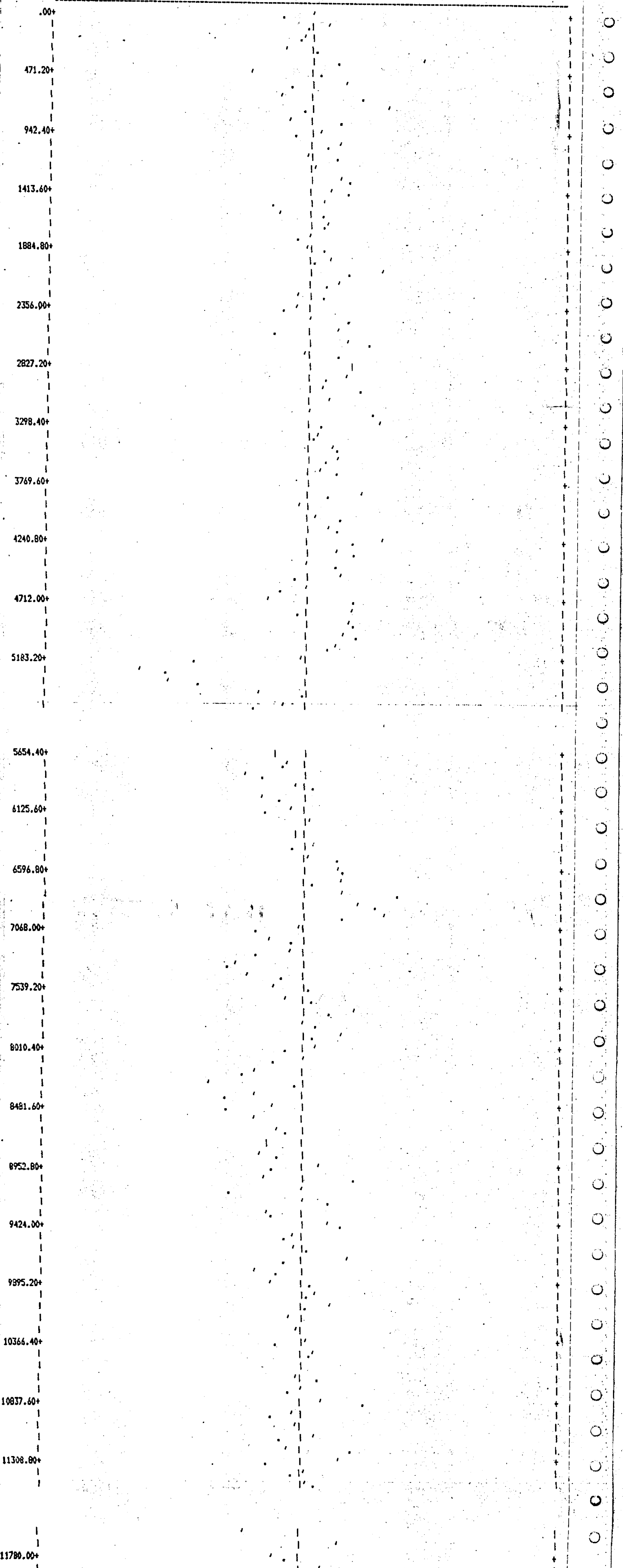


CR83/164

.00+
471.20+
942.40+
1413.60+
1884.80+
2356.00+
2827.20+
3298.40+
3769.60+
4240.80+
4712.00+
5183.20+

5654.40+
6125.60+
6596.80+
7068.00+
7539.20+
8010.40+
8481.60+
8952.80+
9424.00+
9895.20+
10366.40+
10837.60+
11308.80+

11780.00+



.00+
471.20+
942.40+
1413.60+
1884.80+
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8481.60+
8952.80+
9424.00+
9895.20+
10366.40+
10837.60+
11308.80+
11780.00+

INPUT PARAMETERS
DELTA=49.0900000 L1= 254 SHOOT= .750 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 648017.0 START NORTING = 8538872.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	REAL DERIVATIVE	IMAGINARY DERIVATIVE	TOTAL REAL	DEPTH HORIZ-DIST.	MAGNETIC DIP	MAGNETIC OFF-SET	SUSCEPTIB.
24.545	-26.13	.000000	-.018648	.018648	.000	.000	.000000	.000000
73.635	-26.43	.022408	-.026813	.034945	.000	.000	.000000	.000000
122.725	-23.93	-.005093	.012449	.013450	.000	.000	.000000	.000000
171.815	-27.13	-.010185	.046341	.047447	.000	142.462	.000000	.000000
220.905	-24.93	.056020	-.013479	.057618	.000	268.331	.000000	.000000
269.995	-21.63	.003054	.050320	.050413	.000	269.619	.000000	.000000
319.085	-24.43	-.058057	-.015163	.060004	13.694	290.822	3.154481	.046328
368.175	-27.33	.017315	-.060900	.063314	.000	377.610	.000000	.000000
417.265	-22.93	.030554	.005190	.030994	.000	379.401	.000000	.000000
466.355	-24.33	-.001019	-.009019	.009076	.000	490.178	.000000	.000000
515.445	-23.03	.014260	-.004616	.014988	.000	505.913	.000000	.000000
564.535	-22.93	-.003054	-.007540	.008136	.000	458.991	.000000	.000000
613.625	-23.33	.016297	-.018810	.024888	.000	632.344	.000000	.000000
662.715	-21.33	.020371	-.008897	.021648	.000	632.603	.000000	.000000
711.805	-21.33	-.009167	.005897	.010900	.000	749.984	.000000	.000000
760.895	-22.23	.008148	-.019600	.021226	.000	774.779	.000000	.000000
809.985	-20.53	.014260	.021363	.025685	.000	768.464	.000000	.000000
859.075	-20.83	-.041760	-.004221	.041973	.000	927.218	.000000	.000000
908.165	-24.63	.009167	-.052766	.053556	.000	911.693	.000000	.000000
957.255	-19.93	.031575	-.000173	.031575	.000	903.935	.000000	.000000
1006.345	-21.53	.000000	-.005898	.005898	.000	988.012	.000000	.000000
1055.435	-19.93	.022408	-.012141	.025486	.000	1088.263	.000000	.000000
1104.525	-19.33	.017315	.016379	.023834	.000	1090.039	.000000	.000000
1153.615	-18.23	-.017315	.013982	.022256	10.835	1182.591	4.343252	.027648
1202.705	-21.03	-.014260	-.029615	.032869	.000	1182.191	.000000	.000000
1251.795	-19.63	.027501	-.011350	.029751	.000	1326.800	.000000	.000000
1300.885	-18.33	-.006111	.004385	.007522	.000	1283.823	.000000	.000000
1349.975	-20.23	.017315	-.019592	.026137	.000	1400.523	.000000	.000000
1399.065	-16.63	.006111	-.025453	.026148	.000	1391.231	.000000	.000000
1448.155	-19.63	-.026482	-.015394	.030631	.000	1275.629	.000000	.000000
1497.245	-19.23	.011204	-.019557	.022539	.000	1498.684	.000000	.000000
1546.335	-18.53	.002037	-.008356	.008601	.000	1539.764	.000000	.000000
1595.425	-19.03	.009167	-.006429	.011303	.000	1536.359	.000000	.000000
1644.515	-17.63	-.009167	-.002409	.009478	.000	1668.359	.000000	.000000
1693.605	-19.93	-.007136	-.023146	.024219	.000	1708.461	.000000	.000000
1742.695	-18.33	.036667	-.032348	.032492	49.124	1794.939	3.792044	-.006845
1791.785	-19.63	-.036667	-.029248	.046903	38.833	1818.839	4.014457	-.017654
1840.875	-14.73	.028519	.018474	.033981	.000	1822.178	.000000	.000000
1889.965	-16.83	-.008148	-.003598	.008997	.000	2426.448	.000000	.000000
1939.055	-15.53	.002037	-.005687	.006041	.000	1938.495	.000000	.000000
1988.145	-17.03	-.014260	-.027045	.030592	.000	1784.465	.000000	.000000
2037.235	-16.93	.037684	-.039453	.054568	.000	2064.699	.000000	.000000
2086.325	-13.33	.030554	.026852	.040678	.000	2067.358	.000000	.000000
2135.415	-13.93	-.027501	-.004452	.027859	26.245	2132.694	4.238757	.036658
2184.505	-14.03	.015278	-.039814	.042645	.000	2184.300	.000000	.000000
2233.595	-12.43	.027501	-.006431	.028242	.000	2181.899	.000000	.000000
2282.685	-13.33	.016297	-.006040	.017380	.000	2288.821	.000000	.000000
2331.775	-10.83	.013241	-.002673	.013508	194.723	2288.821	1.842407	.086321
2380.865	-12.03	.018334	-.013562	.022804	.000	2392.879	.000000	.000000
2429.955	-9.03	.027501	.015959	.031796	.000	2411.897	.000000	.000000
2479.045	-9.33	-.016297	.010581	.019430	.000	2525.830	.000000	.000000
2528.135	-10.63	.003054	-.018159	.018414	.000	2672.486	.000000	.000000
2577.225	-9.03	-.004074	.001960	.004521	.000	2576.703	.000000	.000000
2626.315	-11.03	.016297	-.035554	.039113	33.662	2657.695	4.235718	.017063
2675.405	-10.63	.030554	-.043264	.052967	.000	2693.006	.000000	.000000
2724.495	-8.03	.036667	-.001325	.036691	.000	2692.779	.000000	.000000
2773.585	-7.03	.001019	-.004157	.004280	.000	2812.738	.000000	.000000
2822.675	-7.93	.019352	-.003272	.038491	.000	2815.152	.000000	.000000
2871.765	-5.13	.035649	-.008399	.036625	.000	2762.131	.000000	.000000
2920.855	-4.43	.022408	-.009190	.024219	.000	2919.800	.000000	.000000
2969.945	-2.93	.034630	-.003460	.034893	.000	3058.529	.000000	.000000
3019.035	-1.03	.020371	.011937	.023611	64.147	2996.945	3.994577	-.004105
3068.125	-.93	.000000	.004721	.004721	75.485	3137.891	3.915643	.076024
3117.215	-1.03	-.006111	-.030265	.030874	47.468	3118.175	4.165816	.048207
3166.305	-1.53	.044816	-.044155	.062914	.000	3181.495	.000000	.000000
3215.395	3.37	.056020	.008203	.056417	.000	3180.586	.000000	.000000
3264.485	3.97	.019352	.010685	.022106	.000	3276.799	.000000	.000000
3313.575	5.27	.021389	-.008100	.022692	105.517	3196.695	3.633741	.016755
3362.665	6.07	.034630	-.012119	.036670	25.524	3393.100	4.373773	.218473
3411.755	8.67	.049908	.006607	.050344	55.607	3419.145	4.142254	.005492
3460.845	10.97	.025463	.026925	.037059	.000	3469.982	.000000	.000000
3509.935	11.17	.010185	.001145	.010250	.000	3470.501	.000000	.000000
3559.025	11.97	.036667	-.004986	.037005	.000	3586.675	.000000	.000000
3608.115	14.77	.034630	.023198	.041682	.000	3586.373	.000000	.000000
3657.205	15.37	.008148	.013556	.015816	14.903	3674.507	4.475449	.037496
3706.295	15.57	.023426	-.005505	.024064	.000	3694.714	.000000	.000000
3755.385	17.67	.034630	.008145	.035575	119.892	3761.266	3.400008	-.022970
3804.475	18.97	.029538	.017752	.034462	38.691	3786.333	4.308405	.014329
3853.565	20.57	.015278	.019395	.024690	45.132	3887.404	4.273017	.040692
3902.655	20.47	.013241	-.000017	.013241	80.851	3896.925	4.020566	.057129
3951.745	21.87	.036612	-.003632	.033807	24.465	3963.082	4.420744	.021636
4000.835	23.77	.047871	.013691	.049791	118.903	4039.183	3.774851	-.058747
4049.925	26.57	.033612	.042907	.054504	.000	4049.131	.000000	.000000
4099.015	27.07	-.004074	.027334	.027637	43.887	4121.666	4.298571	.063434
4148.105	26.17	.018334	-.010270	.021014	.000	4143.603	.000000	.000000
4197.195	28.87	.053982	.021615	.058149	52.988	4209.959	4.244216	-.029973
4246.285	31.47	.013241	.056936	.058149	.000	4251.823	.000000	.000000
4295.375	30.17	-.019352	.009012	.021348	.000	4263.856	.000000	.000000
4344.465	29.57	.011575	-.013461	.034324	.000	4355.536	.000000	.000000
4393.555	33.27	.036667	.029338	.046959	.000	4362.784	.000000	.000000
4442.645	33.17	.017315	.016518	.023931	.000	4373.446	.000000	.000000
4491.735	34.97	.036667	.027559	.045869	.000	4482.983	.000000	.000000
4540.825	36.77	.005893	.033191	.033579	.000	4671.995	.000000	.000000
4589.915	35.47	.026482	.000779	.026493	.000	4592.895	.000000	.000000
4639.005	38.37	.043797	.040427	.059603	.000	4564.582	.000000	.000000
4688.095	39.77	.010185	.036584	.037978	.000	4679.951	.000000	.000000
4737.185	40.37	.031575	.024852	.040182	.000	4817.132	.000000	.000000
4786.275	42.87	.026482	.050305	.050850	.000	4758.535	.000000	.000000
4835.365	42.97	.015278	.042895	.045535	.000	4956.283	.000000	.000000
4884.455	44.37	.015278	.053599	.055734	.000	4868.789	.000000	.000000
4933.545	44.47	-.004074	.041163	.041364	.000	4971.459	.000000	.000000
4982.635	43.77	.022408	.034783	.041359	.000	5227.894	.000000	.000000
5031.725	46.67	.008148	.064453	.064966	.000	5035.805	.000000	.000000
5080.815	44.77	-.002037	.038735	.038788	.000	5017.899	.000000	.000000
5129.905	46.47	.024445	.056268	.061349	.000	5065.488	.000000	.000000
5179.005	47.17	.007130	.074801	.077230	.000	5198.572	.000000	.000000
5228.095	47.37	-.005093	.099540	.100069	.000	5341.938	.000000	.000000
5277.185	47.67	-.061112	.134117	.147384	53.884	5289.824	4.305534	-.030590
5326.275	41.17	-.131391	.068054	.147970	79.531	5315.447	4.363123	.036574
5375.365	34.77	-.104909	-.008545	.105258	.000	5355.719	.000000	.000000
5424.455	30.87	-.058057	-.011659	.059216	.000	5053.222	.000000	.000000
5473.545	29.07	-.067223	-.005055	.067413	.000	5529.234	.000000	.000000
5522.635	24.27	-.048890	-.045517	.066798	.000	5530.913	.000000	.000000
5571.725	24.27	-.002037	-.017176	.017297	.000	6064.793	.000000	.000000
5620.815	24.07	-.038704	-.001531	.038735	.000	5763.390	.000000	.000000
5669.905	20.47	-.010185	-.044440	.045592	.000	5672.538	.00000	

8544.205	-2.33	-0.01760	-0.020881	.046689	95.909	8556.388	4.276223	-.061616	-.000009
8615.295	-4.23	-0.034630	-0.017172	.038654	.000	8556.387	.000000	.000000	.000000
8664.385	-5.73	-0.037686	-0.015789	.040860	.000	8695.854	.000000	.000000	.000000
8713.475	-7.93	-0.044630	-0.030015	.045828	54.038	8732.853	4.420845	-.024981	-.000003
8762.565	-9.13	-0.016297	-0.026964	.031506	53.625	8730.350	4.422178	-.024318	-.000003
8811.655	-9.53	-0.014260	-0.018144	.023077	.000	8804.488	.000000	.000000	.000000
8860.745	-10.53	-0.014297	-0.022233	.016449	.000	8864.427	.000000	.000000	.000000
8909.835	-11.13	-0.050927	-0.015266	.053166	.000	8944.994	.000000	.000000	.000000
8958.925	-15.53	-0.018334	-0.054375	.057383	.000	8963.297	.000000	.000000	.000000
9008.015	-12.93	-0.040074	-0.014394	.016894	.000	8939.107	.000000	.000000	.000000
9057.105	-15.93	-0.025463	-0.042833	.049830	.000	9006.734	.000000	.000000	.000000
9106.195	-15.43	-0.024445	-0.041492	.048157	.000	9128.039	.000000	.000000	.000000
9155.285	-13.53	-0.015278	-0.020272	.015418	.000	9187.754	.000000	.000000	.000000
9204.375	-13.93	-0.040074	-0.019469	.004525	.000	9452.687	.000000	.000000	.000000
9253.465	-13.13	-0.023426	.008938	.025073	48.782	9290.953	4.440745	.030796	-.000003
9302.555	-16.23	-0.027501	-0.035650	.045024	.000	9276.611	.000000	.000000	.000000
9351.645	-15.83	-0.016297	-0.025046	.029881	.000	9461.068	.000000	.000000	.000000
9400.735	-14.63	-0.006111	-0.000551	.006134	.000	9471.098	.000000	.000000	.000000
9449.825	-16.43	-0.003056	-0.023150	.023351	.000	9439.554	.000000	.000000	.000000
9498.915	-14.93	-0.007130	.0000904	.007187	.000	9583.945	.000000	.000000	.000000
9548.005	-15.73	-0.021389	.008526	.023026	.000	9525.031	.000000	.000000	.000000
9597.095	-17.03	-0.061111	-0.025095	.025828	.000	9625.672	.000000	.000000	.000000
9646.185	-15.13	.003056	.012671	.013034	.000	9627.764	.000000	.000000	.000000
9695.275	-16.73	-0.037686	-0.095869	.038140	.000	9730.673	.000000	.000000	.000000
9744.365	-18.83	-0.015278	-0.047621	.050012	.000	9731.775	.000000	.000000	.000000
9793.455	-18.23	.029538	-0.030093	.042167	58.622	9815.886	4.430611	-.062254	.000002
9842.545	-15.93	-0.015278	.018294	.023835	.000	9826.811	.000000	.000000	.000000
9891.635	-16.73	-0.031575	.000654	.031581	45.358	9894.358	4.465937	.031416	.000003
9940.725	-19.03	-0.012222	-0.036244	.038250	70.649	9858.651	4.392187	.066559	.000018
9989.815	-17.93	-0.010185	-0.028302	.030079	146.880	10053.904	4.216576	-.085177	.000003
10038.905	-18.03	.024445	-0.017057	.029807	173.771	10095.314	4.112693	-.142562	.000003
10087.995	-15.53	-0.017315	.014312	.022464	.000	10080.982	.000000	.000000	.000000
10137.085	-16.33	-0.014260	.006705	.015757	.000	10042.996	.000000	.000000	.000000
10186.175	-16.93	-0.040074	-0.011129	.011852	.000	10203.882	.000000	.000000	.000000
10235.265	-16.73	-0.040074	.004396	.005994	.000	10207.874	.000000	.000000	.000000
10284.355	-17.33	-0.026482	-0.011545	.028889	.000	10341.474	.000000	.000000	.000000
10333.445	-19.33	.001019	-0.036244	.036259	.000	10338.573	.000000	.000000	.000000
10382.535	-17.23	.018334	-0.04895	.018976	.000	10318.605	.000000	.000000	.000000
10431.625	-17.53	-0.061111	-0.002921	.006774	.000	10442.048	.000000	.000000	.000000
10480.715	-17.83	.009167	-0.09625	.013292	.000	10569.523	.000000	.000000	.000000
10529.805	-16.63	-0.09167	.018335	.020517	.000	10534.613	.000000	.000000	.000000
10578.895	-18.73	-0.039704	-0.022791	.044914	.000	10558.106	.000000	.000000	.000000
10627.985	-20.43	.008148	-0.040349	.041163	.000	10616.588	.000000	.000000	.000000
10677.075	-17.93	.010185	-0.011397	.015285	.000	10697.472	.000000	.000000	.000000
10726.165	-19.43	.006111	-0.011091	.012663	.000	10731.501	.000000	.000000	.000000
10775.255	-17.33	-0.010185	-0.011235	.015165	.000	10822.265	.000000	.000000	.000000
10824.345	-20.43	.013241	-0.043318	.045297	.000	10832.334	.000000	.000000	.000000
10873.435	-16.03	.041760	.005326	.042098	.000	10814.796	.000000	.000000	.000000
10922.525	-16.33	-0.008148	.012999	.015342	.000	11012.236	.000000	.000000	.000000
10971.615	-16.83	.006111	-0.017263	.018313	.000	10973.665	.000000	.000000	.000000
11020.705	-15.73	.016297	.011674	.020046	.000	10991.047	.000000	.000000	.000000
11069.795	-15.23	-0.022408	.009709	.024421	.000	11105.763	.000000	.000000	.000000
11118.885	-17.93	-0.09167	-0.033481	.034713	.000	11107.391	.000000	.000000	.000000
11167.975	-14.13	.028519	-0.006309	.029209	32.283	11160.846	4.514321	-.026259	-.000001
11217.065	-15.13	-0.09167	.017624	.019866	.000	11229.360	.000000	.000000	.000000
11266.155	-17.03	-0.019352	-0.021874	.029204	.000	11230.408	.000000	.000000	.000000
11315.245	-17.03	.012222	-0.022051	.025211	.000	11358.590	.000000	.000000	.000000
11364.335	-15.83	.004074	-0.009221	.010081	.000	11738.258	.000000	.000000	.000000
11413.425	-16.63	.017315	-0.023409	.029117	.000	11424.138	.000000	.000000	.000000
11462.515	-14.13	.032593	.009152	.033854	52.259	11476.510	4.468048	-.015479	.000004
11511.605	-13.43	.000000	.023623	.023623	.000	11508.364	.000000	.000000	.000000
11560.695	-14.13	-0.017315	.004300	.017841	136.332	11543.076	4.253332	.101694	.000014
11609.785	-15.13	-0.007130	-0.017713	.019094	.000	11602.482	.000000	.000000	.000000

11658.875	-14.83	.015278	-0.005797	.016341	46.808	11661.319	4.480103	-.022944	-.000000
11707.965	-13.63	-0.002037	.012425	.012591	.000	11711.613	.000000	.000000	.000000
11757.055	-15.03	-0.014260	-0.008141	.016420	.000	11690.469	.000000	.000000	.000000
11806.145	-15.03	.007130	-0.010050	.012323	.000	11623.976	.000000	.000000	.000000
11855.235	-14.33	-0.061111	.006623	.009012	.000	11865.925	.000000	.000000	.000000
11904.325	-15.63	-0.010185	-0.015215	.018309	.000	11868.200	.000000	.000000	.000000
11953.415	-15.33	.004074	-0.007940	.008925	.000	11999.437	.000000	.000000	.000000
12002.505	-15.23	-0.002037	-0.005977	.006315	.000	11787.385	.000000	.000000	.000000
12051.595	-15.53	-0.061111	-0.003947	.007275	.000	11956.392	.000000	.000000	.000000
12100.685	-15.83	-0.09167	-0.021488	.023361	46.960	12132.593	4.487245	.008015	-.000004
12149.775	-16.43	.013241	-0.021239	.025029	.000	12161.426	.000000	.000000	.000000
12198.865	-14.53	.020371	-0.005576	.021120	159.811	12190.559	4.422072	-.105174	.000000
12247.955	-14.43	.006111	.016527	.017621	.000	12255.098	.000000	.000000	.000000
12297.045	-13.93	-0.018334	-0.005440	.019124	50.553	12298.392	4.461621	.030009	.000000
12346.135	-16.23	.004074	-0.019109	.019538	.000	12346.835	.000000	.000000	.000000
12395.225	-13.53	.019352	-0.005610	.020149	.000	.000	.000000	.000000	.000000
12444.315	-14.33	.002037	.031105	.031172	.000	.000	.000000	.000000	.000000
12493.405	-13.33	-0.012222	-0.007661	.014425	.000	.000	.000000	.000000	.000000

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INPUT PARAMETERS
DELTA=47.3800000 LI= 256 SMOOTH=.750 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 468004.0 START NORTHING = 8538570.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPTIB.
23.698	-30.12	.000000	-.028813	.028813	.000	.000	.000000	.000000
71.070	-28.72	.035880	.007200	.034595	.000	.000	.000000	.000000
118.450	-26.72	.002111	.020102	.020212	.000	.000	.000000	.000000
165.830	-28.52	-.009498	-.008587	.012804	.000	122.282	.000000	.000000
213.210	-27.62	.012664	-.008284	.015133	.000	181.946	.000000	.000000
260.590	-27.32	-.001055	.003545	.003499	.000	283.569	.000000	.000000
307.970	-27.72	-.001055	-.014727	.014764	.000	284.884	.000000	.000000
355.350	-27.42	.014774	-.007105	.014394	.000	395.219	.000000	.000000
402.730	-26.32	.004221	.008676	.009648	.000	397.744	.000000	.000000
450.110	-27.02	-.015829	-.004872	.016562	47.332	454.431	3.368397	.022473
497.490	-27.82	.002111	-.025708	.025795	.000	495.830	.000000	.000000
544.870	-26.82	.014774	-.006868	.016293	.000	473.927	.000000	.000000
592.250	-26.42	.003164	-.006747	.007453	.000	603.775	.000000	.000000
639.630	-26.52	.010553	-.003887	.011246	.000	402.332	.000000	.000000
687.010	-25.42	-.008442	.000799	.008480	.000	720.996	.000000	.000000
734.390	-27.32	-.003164	-.028420	.028795	.000	720.730	.000000	.000000
781.770	-25.72	.025327	-.015049	.029461	.000	726.251	.000000	.000000
829.150	-24.92	.012664	.001940	.012811	.000	840.161	.000000	.000000
876.530	-24.52	.010553	-.002753	.010904	.000	863.074	.000000	.000000
923.910	-23.92	.010553	.007377	.012874	.000	1039.054	.000000	.000000
971.290	-23.52	-.009498	.011235	.014712	.000	996.257	.000000	.000000
1018.670	-24.82	-.017940	-.017428	.025012	.000	990.387	.000000	.000000
1066.050	-25.22	.013719	-.021142	.025203	.000	1092.036	.000000	.000000
1113.430	-23.52	.006332	.004481	.007757	.000	1095.922	.000000	.000000
1160.810	-24.62	-.010553	-.008434	.013509	45.602	1188.635	3.542694	.023745
1208.190	-24.52	-.001055	-.023972	.023995	.000	1198.668	.000000	.000000
1255.570	-24.72	.020051	-.017599	.026678	50.968	1262.291	3.252990	-.015912
1302.950	-22.62	.009498	.004886	.010681	.000	1298.098	.000000	.000000
1350.330	-23.82	-.004221	-.012055	.012773	.000	1310.746	.000000	.000000
1397.710	-23.02	.012664	-.014595	.019323	.000	1478.933	.000000	.000000
1445.090	-22.62	.012664	-.005307	.013731	.000	1442.575	.000000	.000000
1492.470	-21.82	.013719	.001680	.013821	.000	1563.540	.000000	.000000
1539.850	-21.32	-.001055	.011606	.011654	28.458	1552.928	4.068989	.007567
1587.230	-21.92	-.014774	-.004294	.015385	.000	1514.862	.000000	.000000
1634.610	-22.72	-.003164	-.012944	.013327	.000	1671.893	.000000	.000000
1681.990	-22.22	-.007387	-.003049	.007992	.000	1671.602	.000000	.000000
1729.370	-23.42	-.024272	-.019929	.031405	.000	1775.085	.000000	.000000
1776.750	-24.52	-.002111	-.048707	.048753	.000	1775.540	.000000	.000000
1824.130	-23.62	.031659	-.027951	.042232	40.914	1794.345	3.939827	-.011949
1871.510	-21.52	.014774	-.002997	.015075	.000	1862.250	.000000	.000000
1918.890	-22.22	.005276	-.014629	.015552	15.654	1868.660	4.358214	.017297
1966.270	-21.02	.010553	-.015212	.018514	.000	1958.373	.000000	.000000
2013.650	-21.22	.012664	-.014027	.019898	.000	1958.373	.000000	.000000
2061.030	-19.82	.011608	-.006869	.013488	40.708	2079.005	3.765402	-.003945
2108.410	-20.12	.002111	-.007464	.007759	50.285	2040.193	3.940145	-.002828
2155.790	-19.62	-.001055	-.015380	.015414	.000	2155.790	.000000	.000000
2203.170	-20.22	-.002111	-.020432	.020541	.000	2155.790	.000000	.000000
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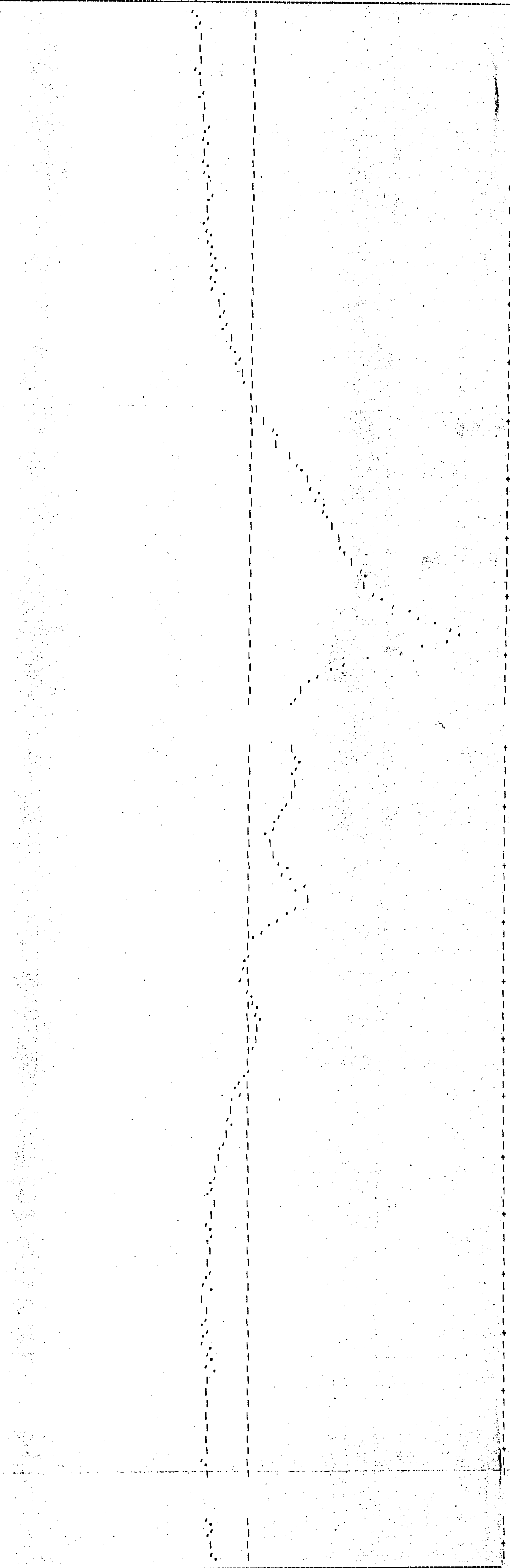
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2913.870	-8.22	.018995	-.026689	.032759	.000	2906.637	.000000	.000000
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3150.770	-1.72	.023217	-.029723	.037716	.000	3126.515	.000000	.000000
3198.150	.78	.048544	-.012424	.050108	.000	3251.215	.000000	.000000
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3387.670	5.98	.041157	-.030134	.051009	.000	3387.719	.000000	.000000
3435.050	11.48	.067539	.011834	.068568	35.829	3429.083	4.307782	.010121
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4050.990	34.08	.023217	.016331	.028385	136.546	4090.473	3.654335	.078620
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4430.030	45.38	.056986	.011612	.058157	29.988	4424.827	4.403114	.029544
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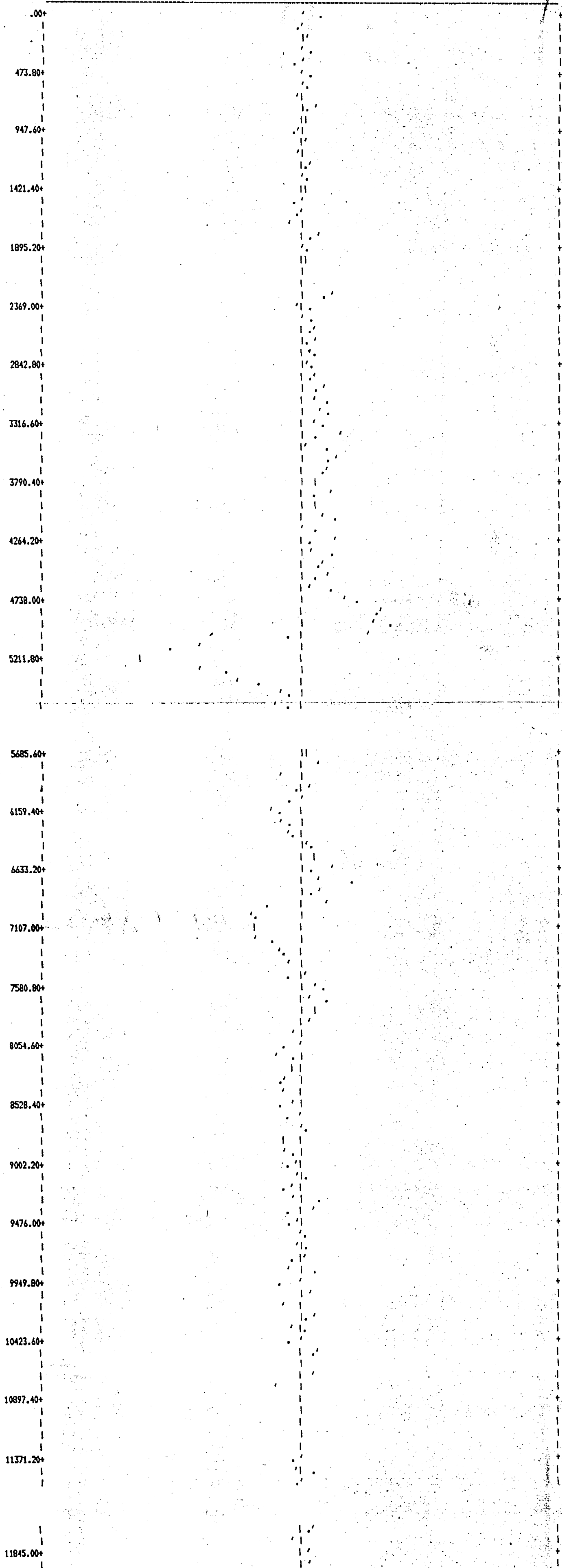
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11347.510	-20.22	-.006332	-.008266	.010413	.000	11395.571	.000000	.000000	.000000
11394.890	-21.12	.001055	-.005802	.005897	.000	11357.209	.000000	.000000	.000000
11442.270	-20.12	-.020051	-.003251	.020312	.000	11476.956	.000000	.000000	.000000
11489.650	-23.02	-.013719	-.040058	.042342	.000	11477.728	.000000	.000000	.000000
11537.030	-21.42	.026382	-.024105	.035736	29.490	11542.261	4.524464	-.021034	-.000001
11584.410	-20.52	.001055	.005615	.005713	.000	11591.261	.000000	.000000	.000000
11631.790	-21.32	-.012664	-.027885	.030626	.000	11602.868	.000000	.000000	.000000
11679.170	-21.72	.026382	-.029551	.039614	.000	11707.551	.000000	.000000	.000000
11726.550	-18.82	.021106	.012300	.024428	.000	11707.604	.000000	.000000	.000000
11773.930	-19.72	-.020051	-.000918	.020072	26.882	11783.248	4.532293	.027267	.000001
11821.310	-20.72	.003166	-.033935	.034082	.000	11816.080	.000000	.000000	.000000
11868.690	-19.42	.018995	-.008024	.020621	.000	11797.539	.000000	.000000	.000000
11916.070	-18.92	.005276	-.010267	.011544	.000	11922.968	.000000	.000000	.000000
11963.450	-18.92	.014774	-.004222	.015366	.000	.000	.000000	.000000	.000000
12010.830	-17.52	-.003166	.001893	.003689	.000	.000	.000000	.000000	.000000
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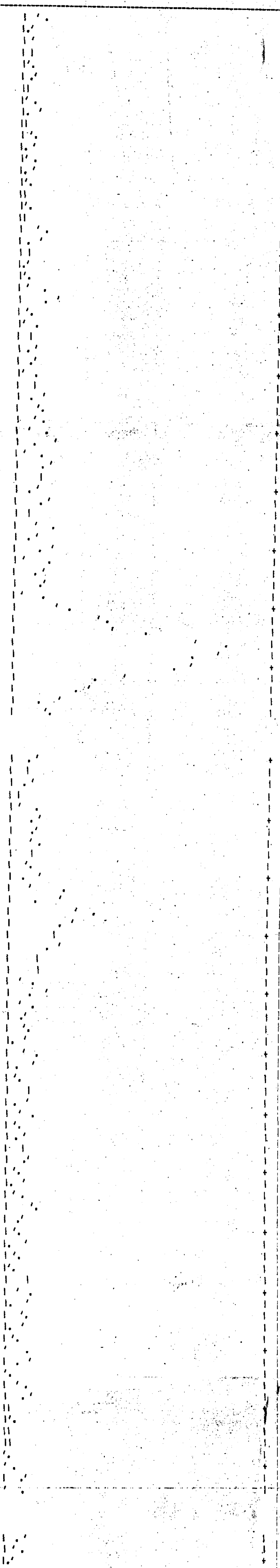
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INPUT PARAMETERS
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DIR = 90.0 STRIKE = 2.0
START EASTING = 668028.0 START NORTHING = 8537959.0
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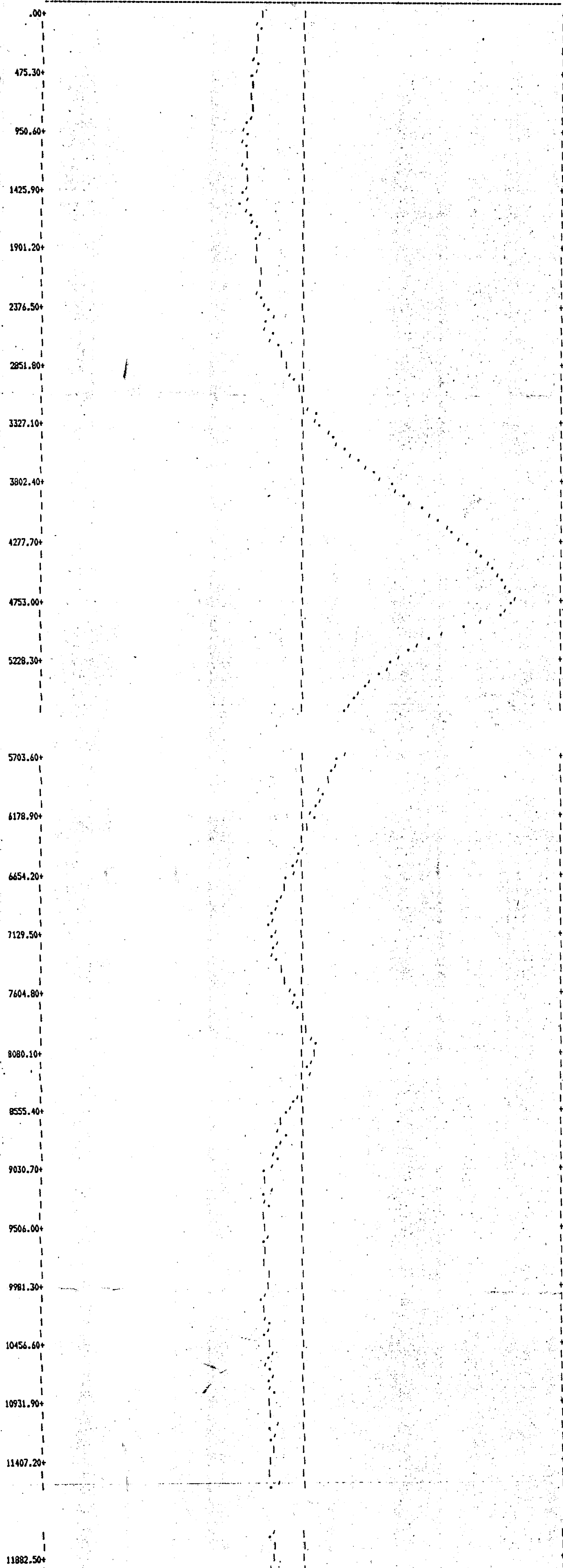
HORIZONTAL DERIVATIVE

LOCATION	MAGNETIC	REAL	IMAGINARY	TOTAL	DEPTH	MAGNETIC	DIP	MAGNETIC	SUSCEPTIB.
OF X	READING	DERIVATIVE		REAL	HORIZ-ONST.	OFF-SET			
23.745	-24.50	.000000	.007429	.007429	.000	.000	.000000	.000000	.000000
71.295	-24.40	-.011572	-.023387	.026093	.000	.000	.000000	.000000	.000000
118.825	-25.60	.014728	.003188	.015069	.000	.000	.000000	.000000	.000000
144.355	-23.00	-.011572	.020752	.023760	.000	168.160	.000000	.000000	.000000
213.885	-26.70	-.046287	-.011489	.047691	34.720	200.027	-7.321184	.022821	-.000001
261.415	-27.40	-.002104	-.045914	.045962	.000	271.305	.000000	.000000	.000000
308.945	-26.90	.011572	.001343	.011647	.000	266.212	.000000	.000000	.000000
356.475	-26.30	-.019987	-.011709	.023165	.000	832.830	.000000	.000000	.000000
404.005	-28.80	.008416	-.032125	.033209	.000	417.696	.000000	.000000	.000000
451.535	-25.50	.019987	.013920	.024357	.000	418.858	.000000	.000000	.000000
499.065	-26.90	-.035767	.006734	.036395	.000	530.193	.000000	.000000	.000000
546.595	-28.90	-.007344	-.031749	.032592	.000	622.997	.000000	.000000	.000000
594.125	-27.60	-.007344	-.003569	.008183	.000	582.047	.000000	.000000	.000000
641.655	-29.60	.012624	-.029717	.032287	.000	-71.295	.000000	.000000	.000000
689.185	-28.80	.009468	-.017539	.019931	.000	774.153	.000000	.000000	.000000
736.715	-28.70	.003154	-.011690	.012109	.000	727.209	.000000	.000000	.000000
784.245	-28.50	.005260	-.004448	.006889	.000	819.483	.000000	.000000	.000000
831.775	-28.20	.000000	.003359	.003359	86.415	887.227	1.788084	-.021039	.000035
879.305	-28.50	-.025247	.015755	.029759	21.770	913.536	3.958078	.010816	-.000001
926.835	-30.60	-.057598	-.032553	.061857	29.905	917.323	3.723993	.014683	-.000002
974.365	-33.50	.005260	-.058092	.058330	.000	982.253	.000000	.000000	.000000
1021.895	-30.10	.013676	-.011837	.018087	.000	988.180	.000000	.000000	.000000
1069.425	-32.20	-.009468	-.023885	.024305	.000	1047.388	.000000	.000000	.000000
1116.955	-31.00	.008416	-.026381	.027691	.000	1145.370	.000000	.000000	.000000
1164.485	-31.40	.007344	-.011919	.014010	68.788	1132.610	2.476510	-.027453	-.000002
1212.015	-30.30	-.007344	-.006623	.009904	.000	1240.437	.000000	.000000	.000000
1259.545	-32.10	-.015780	-.031292	.035046	.000	1228.301	.000000	.000000	.000000
1307.075	-31.80	.013676	-.030602	.033519	.000	1357.521	.000000	.000000	.000000
1354.605	-30.80	.004208	-.014726	.015315	.000	1357.727	.000000	.000000	.000000
1402.135	-31.40	.007344	-.014328	.016110	.000	1308.717	.000000	.000000	.000000
1449.665	-30.10	-.013676	-.008058	.015873	.000	1524.238	.000000	.000000	.000000
1497.195	-32.70	-.012624	-.029416	.032010	.000	1491.803	.000000	.000000	.000000
1544.725	-31.30	-.024195	-.036459	.043757	.000	1606.713	.000000	.000000	.000000
1592.255	-35.00	.011572	-.088089	.088844	.000	1603.479	.000000	.000000	.000000
1639.785	-30.20	.075742	-.028179	.080814	.000	1604.143	.000000	.000000	.000000
1687.315	-27.80	.015780	.014826	.021652	.000	1702.845	.000000	.000000	.000000
1734.845	-28.70	.008416	-.030630	.031765	.000	1704.269	.000000	.000000	.000000
1782.375	-27.00	.042079	-.007807	.042797	.000	1915.691	.000000	.000000	.000000
1829.905	-24.70	.006312	.017464	.018570	.000	1811.585	.000000	.000000	.000000
1877.435	-26.40	.007344	-.008470	.011375	.000	1817.444	.000000	.000000	.000000
1924.965	-25.40	-.005260	-.010845	.012053	.000	1913.979	.000000	.000000	.000000
1972.495	-26.90	.008416	-.024481	.025087	.000	2025.476	.000000	.000000	.000000
2020.025	-26.20	-.002104	-.031708	.031777	120.694	2039.894	2.933149	.031887	-.000022
2067.555	-27.10	.015780	-.043280	.046067	49.965	2107.474	4.091086	-.014855	.000000
2115.085	-24.70	.032611	-.013887	.035445	.000	2083.761	.000000	.000000	.000000
2162.615	-24.00	.006312	-.006763	.009251	.000	2196.903	.000000	.000000	.000000
2210.145	-24.10	.005260	-.009662	.011001	.000	2174.498	.000000	.000000	.000000
2257.675	-23.50	-.023143	-.018441	.029592	.000	2297.746	.000000	.000000	.000000

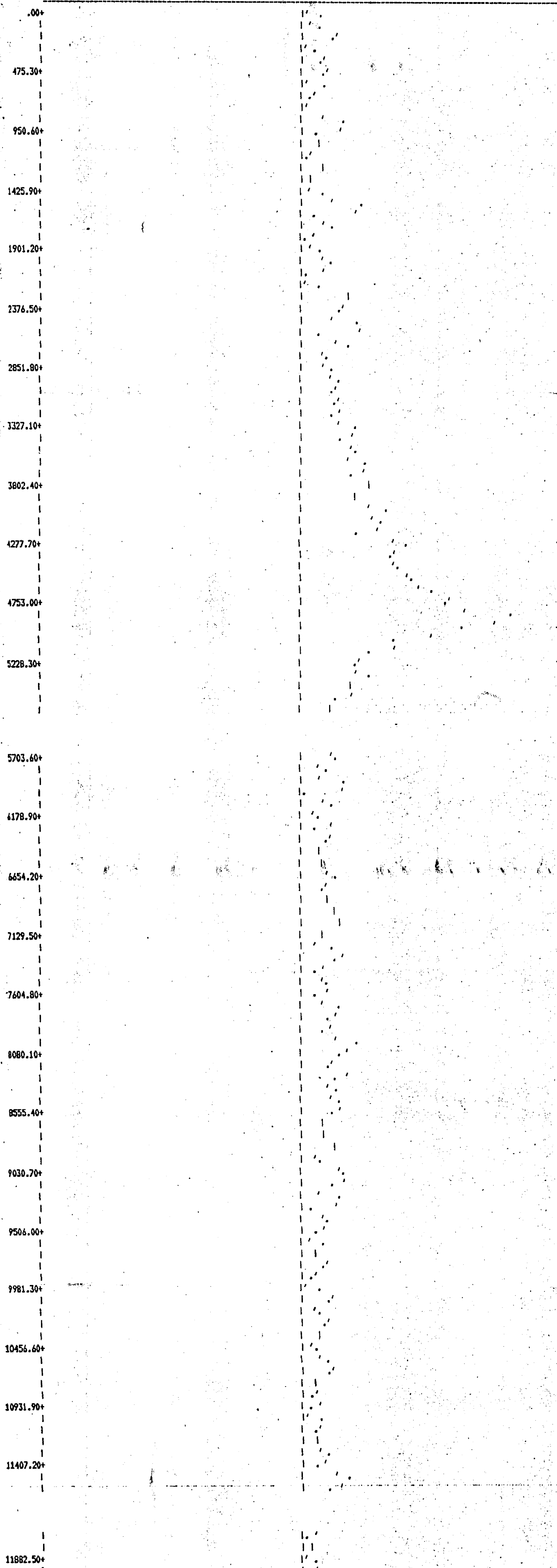
2305.205	-26.30	-.005260	-.066458	.066666	62.009	2288.340	3.840421	.055811	-.000008
2352.735	-24.00	.039975	-.055641	.068512	75.554	2328.587	3.688268	.015231	-.000019
2400.265	-22.50	.005754	-.030208	.063412	.000	2368.896	.000000	.000000	.000000
2447.795	-18.70	.051546	-.022029	.056056	44.149	2464.845	4.085707	.002966	.000013
2495.325	-17.60	.033663	.028004	.043789	.000	2519.609	.000000	.000000	.000000
2542.855	-21.90	-.036819	-.073180	.081920	.000	2518.636	.000000	.000000	.000000
2590.385	-21.10	.053650	-.064043	.083545	27.635	2570.376	4.289478	-.009043	.000007
2637.915	-16.80	.026299	-.008262	.027566	.000	2641.185	.000000	.000000	.000000
2685.445	-18.60	.012624	-.051807	.053323	.000	2641.521	.000000	.000000	.000000
2732.975	-15.60	.058006	-.034930	.066686	.000	2709.150	.000000	.000000	.000000
2780.505	-13.20	.030507	-.010166	.032156	.000	2745.170	.000000	.000000	.000000
2828.035	-12.70	.029455	-.026840	.039850	2289.734	4096.000	-6.065872	-.187500	-.000986
2875.565	-10.40	.028403	-.019694	.034563	.000	3584.000	.000000	.000000	.000000
2923.095	-10.00	.027351	-.031719	.041883	38.332	2976.683	4.228342	.032879	-.000002
2970.625	-7.80	.035767	-.030432	.046861	76.691	2945.792	3.859930	.041972	-.000003
3018.155	-6.60	.043131	-.031848	.053615	153.667	3181.713	3.220953	-.058711	.000089
3065.685	-3.70	.045235	-.016753	.048237	.000	3023.717	.000000	.000000	.000000
3113.215	-2.30	.033663	-.024413	.041583	.000	3106.600	.000000	.000000	.000000
3160.745	-.50	.046287	-.026699	.053435	.000	3176.324	.000000	.000000	.000000
3208.275	2.10	.044183	-.022659	.049654	.000	3198.964	.000000	.000000	.000000
3255.805	3.70	.050494	-.021006	.054690	.000	3244.369	.000000	.000000	.000000
3303.335	6.90	.038923	-.016553	.042296	.000	3337.967	.000000	.000000	.000000
3350.865	7.40	.043131	-.040529	.059185	32.594	3348.825	4.320126	.064798	-.000003
3398.395	11.00	.074690	-.034999	.082483	31.856	3413.677	4.326978	.039566	-.000001
3445.925	14.50	.073638	-.004255	.073903	.000	3422.675	.000000	.000000	.000000
3493.455	18.00	.052598	-.010530	.053642	.000	3526.981	.000000	.000000	.000000
3540.985	19.50	.068378	-.028016	.073895	.000	3538.628	.000000	.000000	.000000
3588.515	24.50	.082053	-.007076	.082358	.000	3402.168	.000000	.000000	.000000
3636.045	27.30	.068378	-.009174	.068991	.000	3585.705	.000000	.000000	.000000
3683.575	31.00	.092571	-.013150	.093502	.000	3708.588	.000000	.000000	.000000
3731.105	36.10	.090469	.017268	.092102	.000	3714.343	.000000	.000000	.000000
3778.635	39.60	.076794	.006469	.077066	.000	3849.930	.000000	.000000	.000000
3826.165	43.40	.098885	.012574	.099581	.000	3903.660	.000000	.000000	.000000
3873.695	49.00	.089345	.035627	.095277	.000	3846.543	.000000	.000000	.000000
3921.225	51.80	.076794	.031205	.082892	103.852	3988.798	3.862931	.115742	-.000015
3968.755	56.30	.075742	.023923	.079430	67.217	3968.753	4.119198	.110457	-.000009
4016.285	59.00	.097833	.017353	.099360	.000	4035.958	.000000	.000000	.000000
4063.815	65.60	.109405	.053982	.121998	.000	4015.322	.000000	.000000	.000000
4111.345	69.40	.083105	.058435	.101593	.000	4136.515	.000000	.000000	.000000
4158.875	73.50	.097833	.061454	.115534	.000	4096.590	.000000	.000000	.000000
4206.405	78.70	.070482	.082970	.108864	.000	4231.823	.000000	.000000	.000000
4253.935	80.20	.069430	.043056	.081697	.000	4234.766	.000000	.000000	.000000
4301.465	85.30	.117820	.065779	.134939	.000	4326.326	.000000	.000000	.000000
4348.995	91.40	.097833	.113735	.150023	.000	4322.890	.000000	.000000	.000000
4396.525	94.60	.069430	.112327	.132053	.000	4298.808	.000000	.000000	.000000
4444.055	98.00	.067326	.109285	.128359	.000	4383.534	.000000	.000000	.000000
4491.585	101.00	.064170	.116233	.132770	.000	4471.826	.000000	.000000	.000000
4539.115	104.10	.063118	.122033	.137390	.000	4569.945	.000000	.000000	.000000
4586.645	107.00	.059962	.137957	.150425	48.748	4661.596	4.289338	.064817	.000001
4634.175	109.80	.049442	.148703	.156708	.000	4737.831	.000000	.000000	.000000
4681.705	111.70	.044183	.163907	.169757	.000	4741.312	.000000	.000000	.000000
4729.235	114.00	.029455	.186651	.188961	93.527	4810.143	4.034528	.040563	.000016
4776.765	114.50	-.003156	.209049	.209073	113.545	4794.099	3.916332	.017416	.000030
4824.295	113.70	-.036819	.202596	.205914	.000	5314.584	.000000	.000000	.000000
4871.825	111.00	-.047339	.230179	.234997	.000	5058.785	.000000	.000000	.000000
4919.355	109.20	-.152535	.254147	.294408	64.674	4918.334	4.220926	-.114418	.000003
4966.885	96.50	-.228277	.151776	.274128	75.382	4922.946	4.158122	-.087008	.000044
5014.415	87.50	-.213549	.074307	.226108	.000	5067.264	.000000	.000000	.000000
5061.945	76.20	-.186198	.013693	.186701	50.066	5158.326	4.321380	-.269772	.000016
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5157.005	63.50	-.131496	-.000734	.131498	.000	5062.764	.000000	.000000	.000000
5204.535	57.30	-.097833	-.018335	.099536	.000	5109.429	.000000	.000000	.000000
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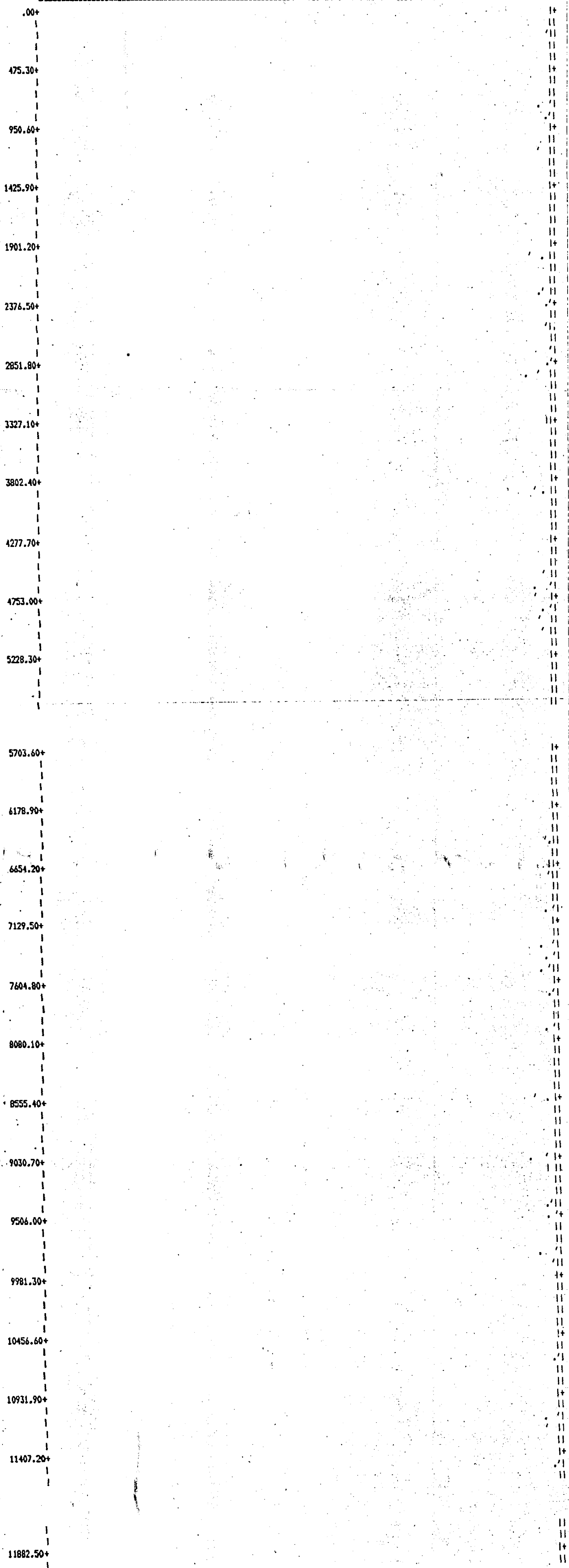
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8341.515	.70	-0.046287	.013283	.048155	.000	8302.338	.000000	.000000	.000000
8389.045	1.20	-0.027351	.023432	.036016	.000	8381.354	.000000	.000000	.000000
8436.575	-1.90	-0.048390	.019190	.052057	.000	8448.424	.000000	.000000	.000000
8484.105	-3.40	-0.042079	.008580	.042945	.000	8447.031	.000000	.000000	.000000
8531.635	-5.90	-0.054702	.004620	.054897	.000	8564.988	.000000	.000000	.000000
8579.165	-8.40	-0.051546	.020259	.055385	117.096	8560.882	4.218001	.009618	-.000004
8626.695	-10.80	-0.033663	.031332	.045988	66.719	8639.337	4.376424	-.044496	-.000006
8674.225	-11.80	-0.016831	.024715	.027902	.000	8638.627	.000000	.000000	.000000
8721.755	-12.40	-0.021039	.026889	.034142	.000	8605.406	.000000	.000000	.000000
8769.285	-13.80	-0.014728	.032171	.035381	.000	8798.652	.000000	.000000	.000000
8816.815	-11.00	-0.015780	.027798	.031964	.000	8802.272	.000000	.000000	.000000
8864.345	-12.30	-0.047339	.023289	.052757	.000	8883.919	.000000	.000000	.000000
8911.875	-15.50	-0.042079	.030258	.051828	.000	8888.621	.000000	.000000	.000000
8959.405	-16.30	-0.031564	.022914	.023130	.000	8987.587	.000000	.000000	.000000
9006.935	-15.20	-0.014728	.020209	.025006	.000	8992.295	.000000	.000000	.000000
9054.465	-17.70	-0.057858	.006469	.058219	50.015	9072.464	4.447398	.018795	-.000001
9101.995	-20.70	-0.042079	.047486	.063447	159.079	9074.443	4.086777	.447284	-.000390
9149.525	-21.70	-0.042081	.041826	.061969	59.944	9197.041	4.425899	-.076581	.000001
9197.058	-21.10	.037871	.023261	.044444	58.850	9195.492	4.477667	-.074232	.000000
9244.585	-18.10	.008416	.025726	.027067	.000	9250.801	.000000	.000000	.000000
9292.115	-21.90	-0.04183	.031841	.054461	.000	9253.572	.000000	.000000	.000000
9339.645	-22.30	.018935	.045638	.049410	.000	9367.050	.000000	.000000	.000000
9387.175	-20.10	.011572	.010508	.015631	.000	9365.397	.000000	.000000	.000000
9434.705	-21.20	-0.028401	.010110	.030149	32.395	9444.827	4.498837	.021122	.000001
9482.235	-22.80	.008416	.035163	.036156	63.232	9399.517	4.404877	.056273	.000014
9529.765	-22.00	.010520	.029189	.031027	.000	9935.181	.000000	.000000	.000000
9577.295	-21.80	.022091	.007541	.023343	61.221	9575.234	4.417005	-.031825	.000002
9624.825	-19.90	.006312	.013146	.014582	.000	9633.426	.000000	.000000	.000000
9672.355	-22.40	.023143	.018540	.029654	.000	9622.978	.000000	.000000	.000000
9719.885	-22.10	.000000	.023472	.023472	.000	9740.511	.000000	.000000	.000000
9767.415	-22.40	.006312	.021583	.022487	.000	10516.060	.000000	.000000	.000000
9814.945	-22.70	.012624	.034110	.036371	14.961	9818.697	4.554419	.008637	-.000002
9862.475	-21.20	.029455	.011076	.031469	94.445	9877.709	4.332913	-.041648	.000003
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9957.535	-19.40	.005260	.013640	.014619	.000	10320.661	.000000	.000000	.000000
10005.065	-20.40	.008416	.002930	.008911	.000	9915.872	.000000	.000000	.000000
10052.595	-20.20	.024195	.004819	.024670	.000	10088.243	.000000	.000000	.000000
10100.125	-22.70	.028401	.031649	.042525	22.261	10090.985	4.534994	.002778	-.000002
10147.655	-22.90	.007364	.035940	.035806	.000	10076.360	.000000	.000000	.000000
10195.185	-22.00	.007364	.016488	.018057	.000	10195.185	.000000	.000000	.000000
10242.715	-22.20	.007364	.027822	.028780	.000	10314.004	.000000	.000000	.000000
10290.245	-21.30	.037871	.013783	.040301	.000	10334.584	.000000	.000000	.000000
10337.775	-18.60	.011572	.029752	.031923	.000	10334.729	.000000	.000000	.000000
10385.305	-20.20	.024299	.004601	.026699	.000	10342.870	.000000	.000000	.000000
10432.835	-21.10	.004208	.024111	.024475	.000	10468.890	.000000	.000000	.000000
10480.365	-19.80	.008416	.010742	.013646	.000	10427.865	.000000	.000000	.000000
10527.895	-20.30	.018935	.012225	.022539	16.377	10580.591	4.553737	-.005077	.000004
10575.425	-18.00	.018935	.022217	.029192	.000	10574.681	.000000	.000000	.000000
10622.955	-18.50	.033663	.014071	.036485	.000	10654.067	.000000	.000000	.000000
10670.485	-21.20	.011572	.043798	.045301	.000	10659.852	.000000	.000000	.000000
10718.015	-19.60	.036819	.009963	.038143	39.302	10705.968	4.492462	-.034720	-.000003
10765.545	-17.70	.000000	.022371	.022371	.000	10771.653	.000000	.000000	.000000
10813.075	-19.60	.016831	.013217	.021401	.000	10762.721	.000000	.000000	.000000
10860.605	-19.30	.017883	.011461	.021241	.000	10792.502	.000000	.000000	.000000
10908.135	-17.90	.007364	.014651	.016397	.000	10925.838	.000000	.000000	.000000
10955.665	-20.00	.010520	.024354	.026529	.000	10928.314	.000000	.000000	.000000
11003.195	-18.90	.015780	.004768	.016484	.000	11043.630	.000000	.000000	.000000
11050.725	-18.50	.004208	.010663	.011463	.000	11034.675	.000000	.000000	.000000
11098.255	-19.30	.027351	.010043	.029137	.000	11161.541	.000000	.000000	.000000
11145.785	-15.90	.009468	.025620	.027314	7.412	11125.781	4.579034	-.014183	.000001
11193.315	-18.40	.016831	.010164	.019662	80.755	11209.974	4.387034	.045108	.000002
11240.845	-17.50	.016831	.008741	.018966	82.448	11209.802	4.382560	.046569	.000002

11288.375	-20.00	.005260	.022229	.022843	.000	11315.064	.000000	.000000	.000000
11335.905	-17.00	.021039	.014107	.025331	.000	11311.062	.000000	.000000	.000000
11383.435	-18.00	.030507	.018947	.035912	.000	11401.989	.000000	.000000	.000000
11430.965	-19.90	.019987	.029075	.035283	.000	11055.578	.000000	.000000	.000000
11478.495	-19.90	.004208	.018676	.019144	.000	11599.897	.000000	.000000	.000000
11526.025	-20.30	.011572	.046634	.048048	.000	11325.571	.000000	.000000	.000000
11573.555	-18.60	.066274	.003705	.066377	26.160	11601.044	4.533568	-.025832	.000006
11621.085	-14.00	.001052	.059017	.059026	.000	11620.032	.000000	.000000	.000000
11668.615	-18.70	.039975	.004179	.040193	.000	11621.468	.000000	.000000	.000000
11716.145	-17.80	.004312	.017976	.019052	.000	11754.769	.000000	.000000	.000000
11763.675	-19.30	.001052	.007949	.008018	.000	11736.994	.000000	.000000	.000000
11811.205	-17.90	.011572	.005810	.012948	.000	11579.479	.000000	.000000	.000000
11858.735	-18.20	.003156	.011896	.012308	.000	11871.654	.000000	.000000	.000000
11906.265	-18.20	.002104	.005844	.006212	.000	11876.371	.000000	.000000	.000000
11953.795	-18.00	.008416	.019315	.021069	.000	11989.914	.000000	.000000	.000000
12001.325	-19.00	.004208	.022998	.023379	.000	.000	.000000	.000000	.000000
12048.855	-18.40	.021039	.048967	.053295	.000	.000	.000000	.000000	.000000
12096.385	-17.00	.028403	.009313	.029891	.000	.000	.000000	.000000	.000000



.00+
475.30+
950.60+
1425.90+
1901.20+
2376.50+
2851.80+
3327.10+
3802.40+
4277.70+
4753.00+
5228.30+
5703.60+
6178.90+
6654.20+
7129.50+
7604.80+
8080.10+
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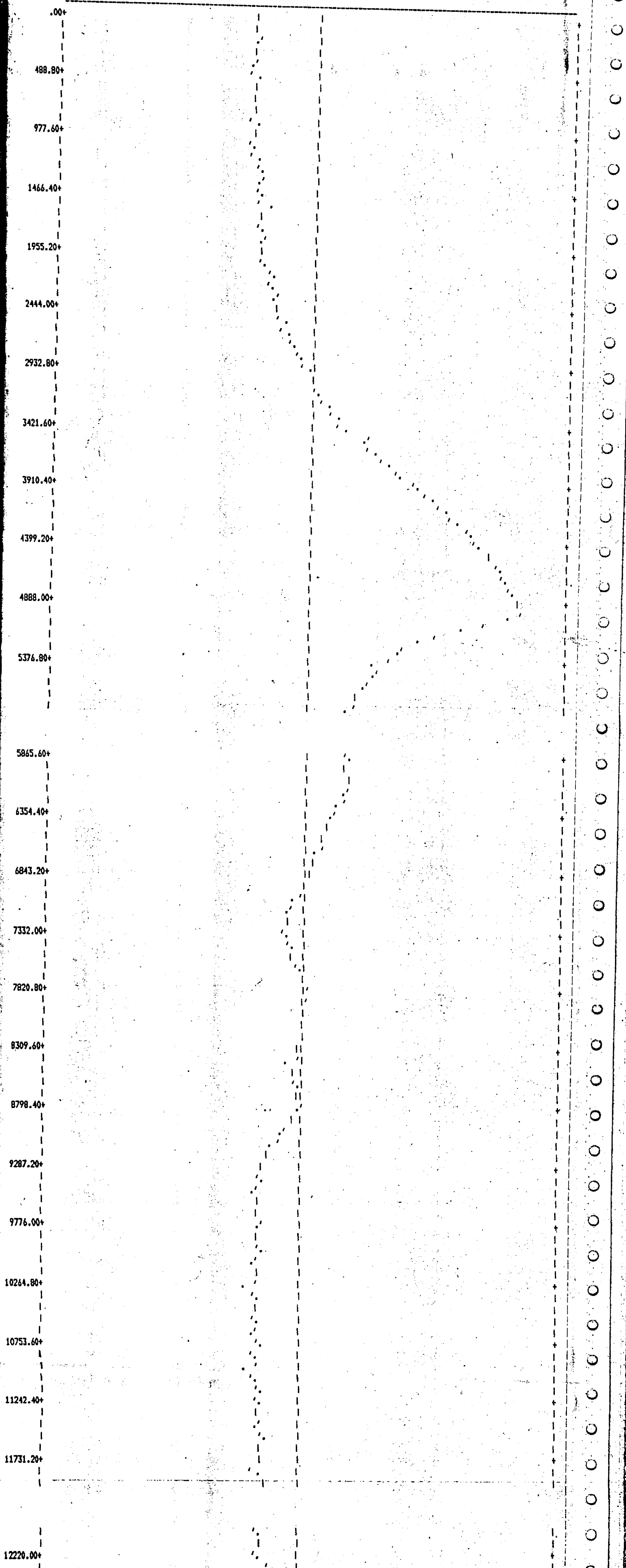
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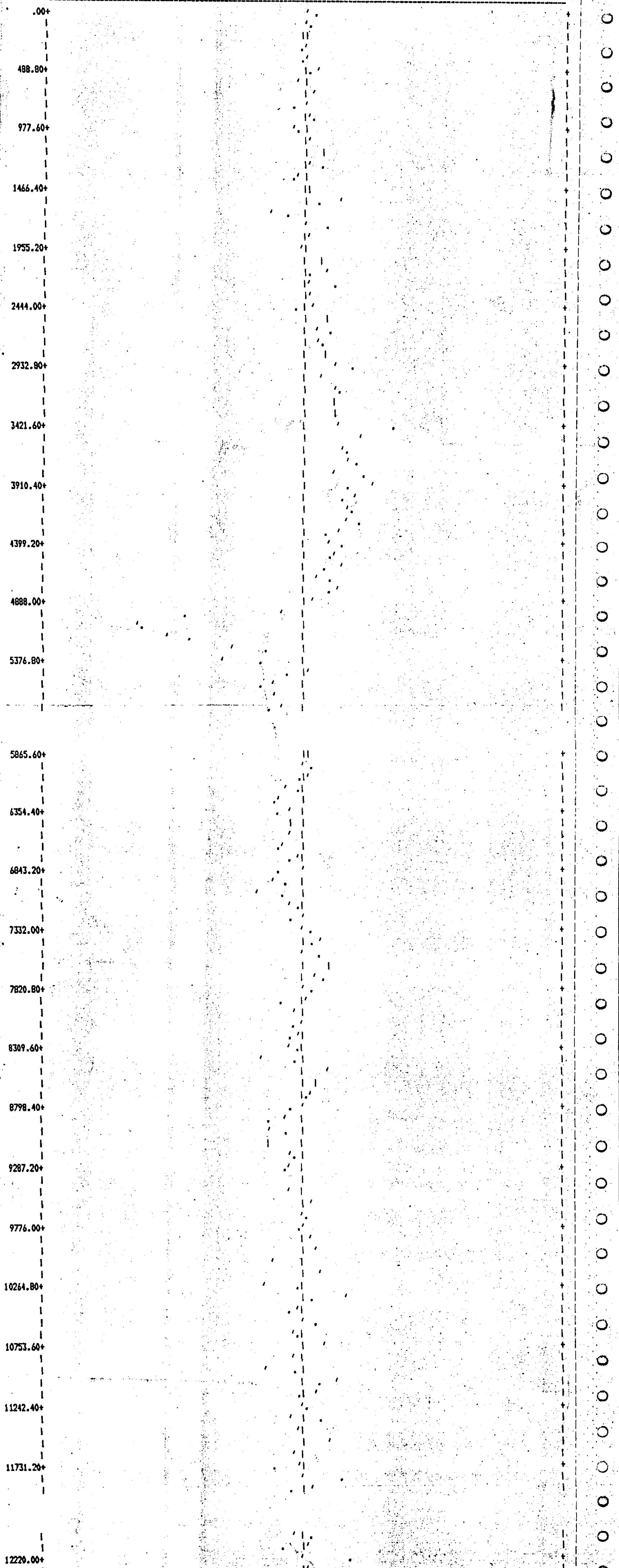
HORIZONTAL DERIVATIVE

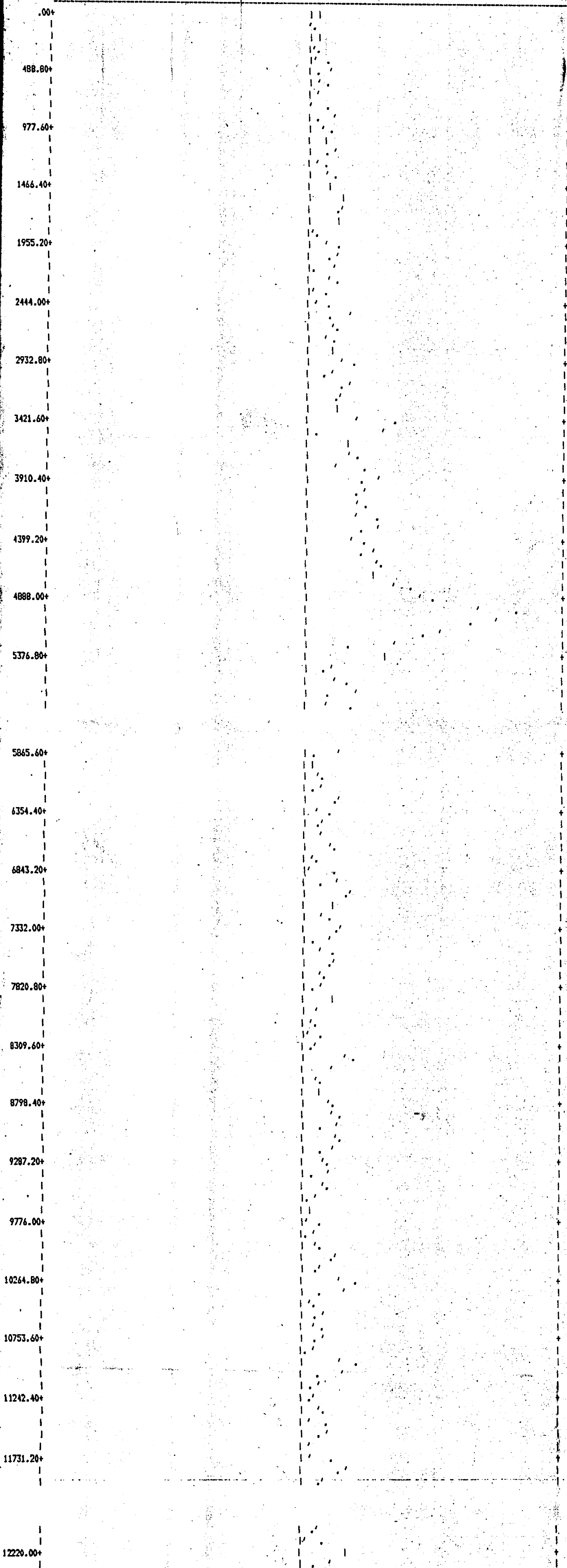
LOCATION	MAGNETIC	REAL	IMAGINARY	TOTAL	DEPTH	MAGNETIC	DIP	MAGNETIC	SUSEPTIB.
OF X	READING	DERIVATIVE			HORIZ-DIST.			OFF-SET	
24.440	-26.85	.000000	-.011947	.011947	.000	.000	.000000	.000000	.000000
73.320	-25.95	.012275	.004126	.012950	.000	.000	.000000	.000000	.000000
122.200	-25.65	.003069	.001506	.003416	.000	.000	.000000	.000000	.000000
171.080	-25.65	.004137	.004856	.007826	.000	93.668	.000000	.000000	.000000
219.960	-25.05	-.010229	.008064	.013026	.000	225.454	.000000	.000000	.000000
268.840	-26.85	-.009206	-.009741	.013418	.000	244.160	.000000	.000000	.000000
317.720	-25.95	-.004092	-.004561	.006128	.000	421.590	.000000	.000000	.000000
366.600	-27.05	-.007160	-.011890	.013880	.000	358.453	.000000	.000000	.000000
415.480	-26.65	-.003069	-.009057	.009563	.000	442.248	.000000	.000000	.000000
464.360	-27.35	-.007160	-.021479	.022641	.000	386.713	.000000	.000000	.000000
513.240	-27.35	.019435	-.019653	.027640	.000	546.800	.000000	.000000	.000000
562.120	-25.45	.010229	.009630	.014049	.000	548.358	.000000	.000000	.000000
611.000	-26.35	-.014321	-.003499	.014791	44.999	613.444	2.009414	.023041	.000002
659.880	-26.85	.001023	-.022344	.022348	.000	654.379	.000000	.000000	.000000
708.760	-26.25	.013279	-.004508	.014805	52.011	679.402	2.300017	-.013524	-.000005
757.640	-25.55	.003069	-.006237	.006308	.000	751.634	.000000	.000000	.000000
806.520	-25.95	-.003069	.003408	.004586	.000	751.634	.000000	.000000	.000000
855.400	-25.85	-.020458	-.011508	.023473	32.016	874.537	3.574103	.010736	-.000002
904.280	-27.95	.004137	-.030583	.031193	.000	920.305	.000000	.000000	.000000
953.160	-25.25	.014321	.002048	.014464	.000	922.754	.000000	.000000	.000000
1002.040	-26.55	-.017390	-.001238	.017434	.000	1027.400	.000000	.000000	.000000
1050.920	-26.95	-.011252	-.028498	.030639	.000	1027.294	.000000	.000000	.000000
1099.800	-27.45	.007160	-.024594	.025615	.000	1234.162	.000000	.000000	.000000
1148.680	-26.25	.003069	-.022972	.023176	.000	1067.545	.000000	.000000	.000000
1197.560	-27.35	.021481	-.028712	.035858	.000	1214.879	.000000	.000000	.000000
1246.440	-24.05	.023527	-.001328	.023544	.000	1215.898	.000000	.000000	.000000
1295.320	-25.05	.008183	-.009160	.012283	.000	1315.010	.000000	.000000	.000000
1344.200	-23.35	.024550	.002327	.024660	.000	1045.521	.000000	.000000	.000000
1393.080	-22.65	-.011252	.018983	.022067	.000	1407.968	.000000	.000000	.000000
1441.960	-24.45	-.020458	-.024264	.031737	.000	1408.766	.000000	.000000	.000000
1490.840	-24.65	.007206	-.024805	.026458	.000	1536.347	.000000	.000000	.000000
1539.720	-23.55	.008183	-.025009	.026314	.000	1510.206	.000000	.000000	.000000
1588.600	-23.85	.042962	-.015545	.045688	.000	1633.587	.000000	.000000	.000000
1637.480	-19.35	.016367	.042707	.045735	.000	1630.421	.000000	.000000	.000000
1686.360	-22.25	-.042962	.008398	.043775	52.538	1673.534	3.682065	.035564	.000010
1735.240	-23.55	-.022504	-.033308	.040197	.000	1978.440	.000000	.000000	.000000
1784.120	-24.45	.000000	-.040482	.040482	.000	2473.860	.000000	.000000	.000000
1833.000	-23.55	.028596	-.024644	.036272	55.343	1814.346	3.701218	-.024711	-.000003
1881.880	-21.85	.008183	.000910	.008294	14.282	1854.795	4.384447	-.005802	.000000
1930.760	-22.75	.006115	-.014314	.008200	138.523	1909.428	2.432745	.043817	.000020
1979.640	-22.35	.006115	-.019193	.020838	.000	1979.113	.000000	.000000	.000000
2028.520	-23.35	.000000	-.039702	.039702	49.343	2060.545	3.907740	.002434	-.000004
2077.400	-22.35	.024550	-.032419	.040666	.000	977.597	.000000	.000000	.000000
2126.280	-20.95	.021481	-.020768	.029879	.000	2118.980	.000000	.000000	.000000
2175.160	-20.25	.027619	-.014728	.031390	.000	2247.451	.000000	.000000	.000000
2224.040	-18.25	.018229	-.001567	.018346	.000	2667.749	.000000	.000000	.000000
2272.920	-19.25	.006115	-.029821	.029761	.000	2235.170	.000000	.000000	.000000
2321.800	-17.65	.036825	-.014408	.037543	.000	1855.218	.000000	.000000	.000000
2370.680	-15.65	.006115	.007409	.009621	.000	2384.174	.000000	.000000	.000000
2419.560	-17.05	.003069	-.023523	.023723	.000	2394.210	.000000	.000000	.000000
2468.440	-15.35	.013298	-.007510	.013272	.000	2497.453	.000000	.000000	.000000
2517.320	-15.75	-.011252	-.028522	.030662	.000	2448.429	.000000	.000000	.000000
2566.200	-16.45	.029644	-.045528	.054339	.000	2583.895	.000000	.000000	.000000
2615.080	-12.85	.027619	-.010398	.029511	.000	2597.814	.000000	.000000	.000000
2663.960	-13.75	.016367	-.028666	.033009	.000	2734.039	.000000	.000000	.000000
2712.840	-11.25	.034779	-.018861	.039564	.000	2705.923	.000000	.000000	.000000
2761.720	-10.35	.019435	-.014040	.023976	.000	2673.840	.000000	.000000	.000000
2810.600	-9.35	.025573	-.023445	.034694	.000	2791.679	.000000	.000000	.000000
2859.480	-7.85	.027619	-.018820	.033421	.000	2823.336	.000000	.000000	.000000
2908.360	-6.85	.027619	-.021850	.035217	.000	2976.623	.000000	.000000	.000000
2957.240	-5.15	.036825	-.028165	.046361	.000	2981.259	.000000	.000000	.000000
3006.120	-3.05	.058304	-.007889	.058801	34.442	3039.886	4.274735	.011669	.000005
3055.000	.55	.022504	.022808	.032042	.000	3064.429	.000000	.000000	.000000
3103.880	-.85	-.003069	.024286	.024479	.000	3071.061	.000000	.000000	.000000
3152.760	.25	.040917	-.037241	.055327	.000	3140.440	.000000	.000000	.000000
3201.640	3.15	.042962	-.011995	.044605	.000	3147.946	.000000	.000000	.000000
3250.520	4.45	.038871	-.014307	.041420	37.531	3215.218	4.266008	.038416	.000000
3299.400	6.95	.037848	-.016068	.039164	.000	3226.080	.000000	.000000	.000000
3348.280	8.15	.037848	-.016068	.041367	.000	3348.280	.000000	.000000	.000000
3397.160	10.65	.037848	-.014301	.040460	.000	3470.480	.000000	.000000	.000000
3446.040	11.85	.045008	-.043041	.042291	27.619	3490.025	4.367641	.041890	.000003
3494.920	15.05	.111498	-.018124	.112961	.000	3530.033	.000000	.000000	.000000
3543.800	22.75	.069558	.066488	.096224	.000	3536.102	.000000	.000000	.000000
3592.680	21.85	.000000	.014568	.014568	.000	3542.145	.000000	.000000	.000000
3641.560	22.75	.049100	-.020997	.053401	.000	3645.912	.000000	.000000	.000000
3690.440	26.85	.054214	-.008600	.054893	.000	3670.102	.000000	.000000	.000000
3739.320	28.05	.053191	-.002106	.053233	.000	3742.850	.000000	.000000	.000000
3788.200	31.85	.062398	.017205	.064724	.000	3825.046	.000000	.000000	.000000
3837.080	34.15	.039894	.007649	.040620	.000	4783.439	.000000	.000000	.000000
3885.960	35.75	.074673	-.008737	.075182	.000	3898.731	.000000	.000000	.000000
3934.840	41.45	.084902	.035971	.092207	.000	3898.510	.000000	.000000	.000000
3983.720	44.05	.056260	.038802	.068343	.000	4026.242	.000000	.000000	.000000
4032.600	46.95	.062398	.037062	.072574	.000	4001.754	.000000	.000000	.000000
4081.480	50.15	.049100	.043589	.045654	.000	4262.851	.000000	.000000	.000000
4130.360	51.75	.053237	.031943	.063809	.000	4131.473	.000000	.000000	.000000
4179.240	55.55	.058304	.047708	.075337	.000	4081.066	.000000	.000000	.000000
4228.120	57.45	.053191	.041115	.064729	.000	4246.580	.000000	.000000	.000000
4277.000	60.75	.049558	.057454	.090347	.000	4374.498	.000000	.000000	.000000
4325.880	64.25	.045008	.078662	.090628	19.506	4314.876	4.468777	.039899	.000003
4374.760	65.15	.027619	.064556	.070216	137.853	4376.414	3.617319	.124249	.000008
4423.640	66.95	.031710	.050426	.059568	.000	4407.723	.000000	.000000	.000000
4472.520	68.25	.050123	.054937	.075854	32.654	4468.076	4.386413	.027526	-.000001
4521.400	71.85	.036825	.074582	.084976	.000	4531.882	.000000	.000000	.000000
4570.280	71.85	.031710	.060535	.086837	.000	4519.241	.000000	.000000	.000000
4619.160	74.95	.049100	.074974	.089621	.000	4732.932	.000000	.000000	.000000
4668.040	76.45	.030687	.092351	.097314	.000	4672.074	.000000	.000000	.000000
4716.920	77.95	.020458	.081158	.083697	62.067	4693.398	4.212565	.057336	.000002
4765.800	78.45	.034779	.089599	.086279	.000	4771.198	.000000	.000000	.000000
4814.680	81.35	.043985	.111764	.111764	100.899	4827.515	4.820769	.007445	.000005
4863.560	82.95	.031710	.127995	.131865	73.242	4844.305	4.169236	.007845	.000005
4912.440	84.45	.012275	.142878	.143404	.000	5078.833	.000000	.000000	.000000
4961.320	84.15	.005115	.157903	.157986	.000	5006.824	.000000	.000000	.000000
5010.200	84.95	-.029644	.214599	.216639	63.208	5075.270	4.238281	-.009064	.000003
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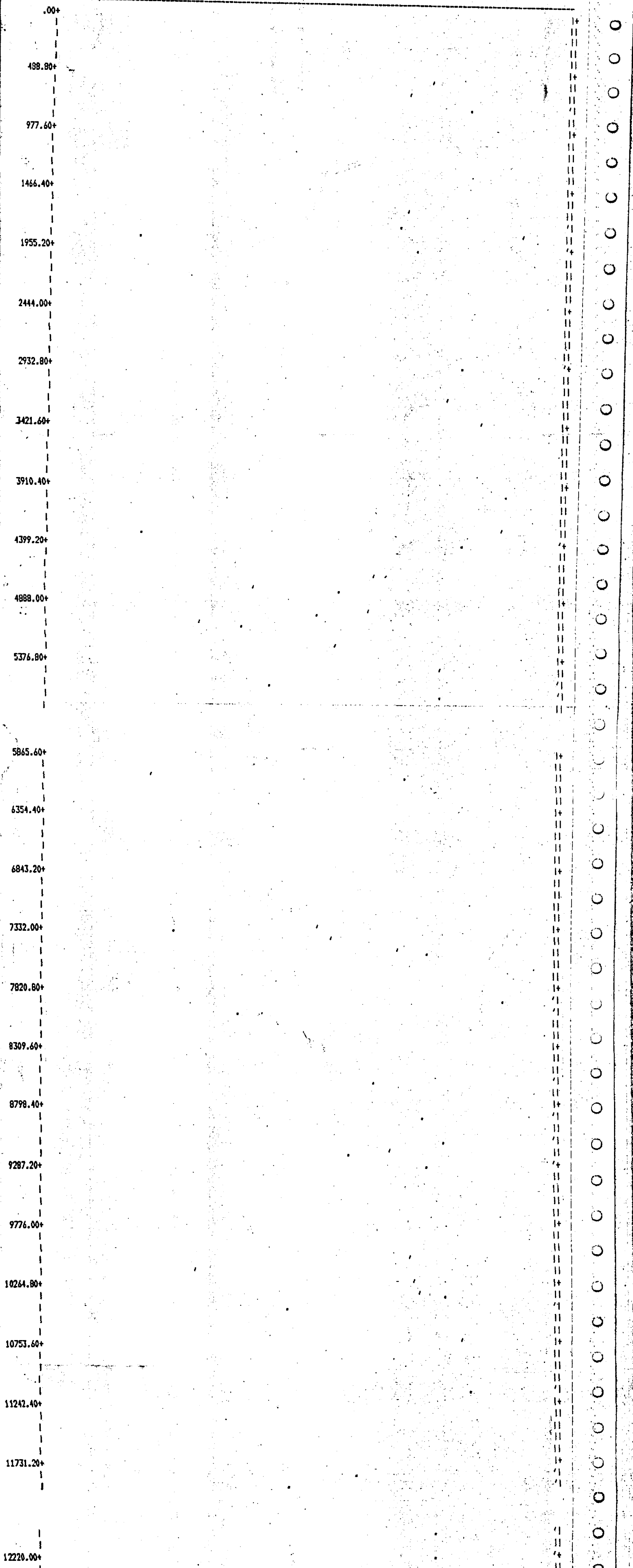
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8627.320	-4.25	.017390	-.006794	.019487	.000	8641.984	.000000	.000000	.000000
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8773.960	-2.05	.008183	.022200	.023660	.000	8771.194	.000000	.000000	.000000
8822.840	-1.55	.002046	.033907	.033968	.000	8950.123	.000000	.000000	.000000
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8920.600	-3.45	-.025573	.027750	.037734	.000	8847.049	.000000	.000000	.000000
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9018.360	-7.85	-.042962	-.007714	.043649	.000	8998.985	.000000	.000000	.000000
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9116.120	-10.15	-.046031	.003301	.046149	.000	9144.987	.000000	.000000	.000000
9165.000	-13.05	-.043985	-.026712	.051461	36.739	9141.846	4.485299	-.012652	-.000000
9213.880	-14.45	-.020458	-.030268	.036533	55.186	9191.736	4.426089	-.030320	-.000005
9262.760	-15.05	-.015344	-.020422	.025544	67.896	9186.206	4.386272	-.034162	-.000007
9311.640	-15.95	-.018412	-.018603	.026175	.000	9320.606	.000000	.000000	.000000
9360.520	-16.85	-.021481	-.027579	.034958	41.701	9397.977	4.470968	-.007572	-.000003
9409.400	-18.05	-.001023	.001619	.036169	.000	9430.561	.000000	.000000	.000000
9458.280	-16.95	.005115	-.009147	.010480	.000	9415.975	.000000	.000000	.000000
9507.160	-17.55	-.019435	.017964	.026466	.000	9692.427	.000000	.000000	.000000
9556.040	-18.85	.004092	-.034265	.034509	.000	9562.395	.000000	.000000	.000000
9604.920	-17.15	.012275	-.010077	.015881	.000	9566.295	.000000	.000000	.000000
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9898.200	-17.65	.011252	-.011317	.015959	.000	9930.140	.000000	.000000	.000000
9947.080	-17.55	-.005115	-.008242	.009700	.000	9940.600	.000000	.000000	.000000
9995.960	-18.15	.016367	-.011908	.020240	.000	10057.408	.000000	.000000	.000000
10044.840	-15.95	-.003069	.024834	.025021	.000	10043.856	.000000	.000000	.000000
10093.720	-18.45	-.039894	-.011559	.041534	47.417	10101.067	4.465474	.033267	-.000002
10142.600	-19.85	-.002044	-.040313	.040365	.000	10141.841	.000000	.000000	.000000
10191.480	-18.65	.022504	-.011491	.025268	118.094	10207.085	4.275663	-.141397	.000001
10240.360	-17.65	.000000	.020276	.020276	.000	10238.684	.000000	.000000	.000000
10289.240	-18.65	-.040077	-.007438	.048649	46.232	10317.634	4.470180	.055400	-.000008
10338.120	-22.35	-.007160	-.069207	.069576	.000	10333.676	.000000	.000000	.000000
10387.000	-19.35	.053191	-.020171	.056888	45.588	10365.529	4.471710	-.042719	-.000008
10435.880	-17.15	.012275	.022685	.025793	37.057	10387.693	4.495098	-.026806	-.000002
10484.760	-18.15	-.010229	.004902	.011343	.000	10422.600	.000000	.000000	.000000
10533.640	-18.15	-.017390	-.009115	.019634	88.527	10516.788	4.338963	.045339	.000001
10582.520	-19.85	.002046	-.029190	.029262	.000	10597.069	.000000	.000000	.000000
10631.400	-17.95	.019435	-.000015	.019435	.000	10587.928	.000000	.000000	.000000
10680.280	-17.95	-.015344	.005461	.016286	.000	10714.566	.000000	.000000	.000000
10729.160	-19.45	-.007160	-.030215	.031052	.000	10713.722	.000000	.000000	.000000
10778.040	-18.65	.026596	-.009909	.028382	31.467	10775.526	4.513725	-.017352	-.000001
10826.920	-16.85	-.002046	.016720	.016845	.000	10831.885	.000000	.000000	.000000
10875.800	-18.85	-.011252	-.011416	.016029	.000	10825.413	.000000	.000000	.000000
10924.680	-17.95	.003069	.007797	.008379	.000	10914.347	.000000	.000000	.000000
10973.560	-18.55	-.047054	-.001850	.047099	.000	11021.062	.000000	.000000	.000000
11022.440	-22.55	-.015344	-.069817	.071483	.000	11012.263	.000000	.000000	.000000
11071.320	-20.95	.045008	-.031661	.055029	.000	10999.747	.000000	.000000	.000000
11120.200	-18.15	.021481	-.000787	.021496	.000	11128.734	.000000	.000000	.000000
11169.080	-17.95	.020458	.003326	.020727	.000	11118.646	.000000	.000000	.000000
11217.960	-16.15	-.006137	.010055	.011780	28.898	11193.520	4.524070	.013809	.000002
11266.840	-18.55	.003069	-.017219	.017491	.000	11274.461	.000000	.000000	.000000
11315.720	-15.85	.007160	.010053	.012342	.000	11216.971	.000000	.000000	.000000
11364.600	-17.85	-.017390	-.016709	.024116	.000	11385.557	.000000	.000000	.000000
11413.480	-17.55	.024550	-.015730	.029157	.000	11387.893	.000000	.000000	.000000
11462.360	-15.45	-.006137	.013348	.014691	.000	11491.024	.000000	.000000	.000000
11511.240	-18.15	-.003069	-.031198	.031349	.000	11491.232	.000000	.000000	.000000
11560.120	-15.75	.034779	.000277	.034780	.000	11583.247	.000000	.000000	.000000

11609.000	-14.75	-.003069	.021610	.021827	.000	11611.804	.000000	.000000	.000000
11657.880	-16.95	-.011252	-.002593	.011547	.000	11616.308	.000000	.000000	.000000
11706.760	-15.85	-.001023	-.003874	.004007	.000	11748.084	.000000	.000000	.000000
11755.640	-16.15	-.008183	.009334	.012414	.000	11750.327	.000000	.000000	.000000
11804.520	-16.65	-.038871	-.013768	.041237	.000	11849.230	.000000	.000000	.000000
11853.400	-19.95	.001023	-.059335	.059344	.000	11853.050	.000000	.000000	.000000
11902.280	-16.55	.048077	-.015120	.050399	66.054	11897.014	4.437165	-.063589	-.000005
11951.160	-15.25	.015344	.025292	.029582	.000	11936.745	.000000	.000000	.000000
12000.040	-15.05	-.019435	.008470	.021201	87.710	11992.733	4.387061	.067709	.000010
12048.920	-17.15	-.011252	-.021669	.024416	.000	12027.616	.000000	.000000	.000000
12097.800	-16.15	.012275	-.015302	.019617	39.135	12130.311	4.505997	-.030193	.000002
12146.680	-15.95	.006137	.005971	.006563	.000	12132.208	.000000	.000000	.000000
12195.560	-15.55	-.026596	-.004694	.027007	.000	12238.514	.000000	.000000	.000000
12244.440	-18.55	.000000	-.057050	.057050	.000	12241.605	.000000	.000000	.000000
12293.320	-15.55	.060352	-.009584	.061108	39.445	12286.533	4.505386	-.034489	-.000002
12342.200	-12.65	.006137	.036617	.037128	.000	.000	.000000	.000000	.000000
12391.080	-14.95	-.016367	-.000382	.016371	.000	.000	.000000	.000000	.000000
12439.960	-14.25	.003069	-.009110	.009613	.000	.000	.000000	.000000	.000000









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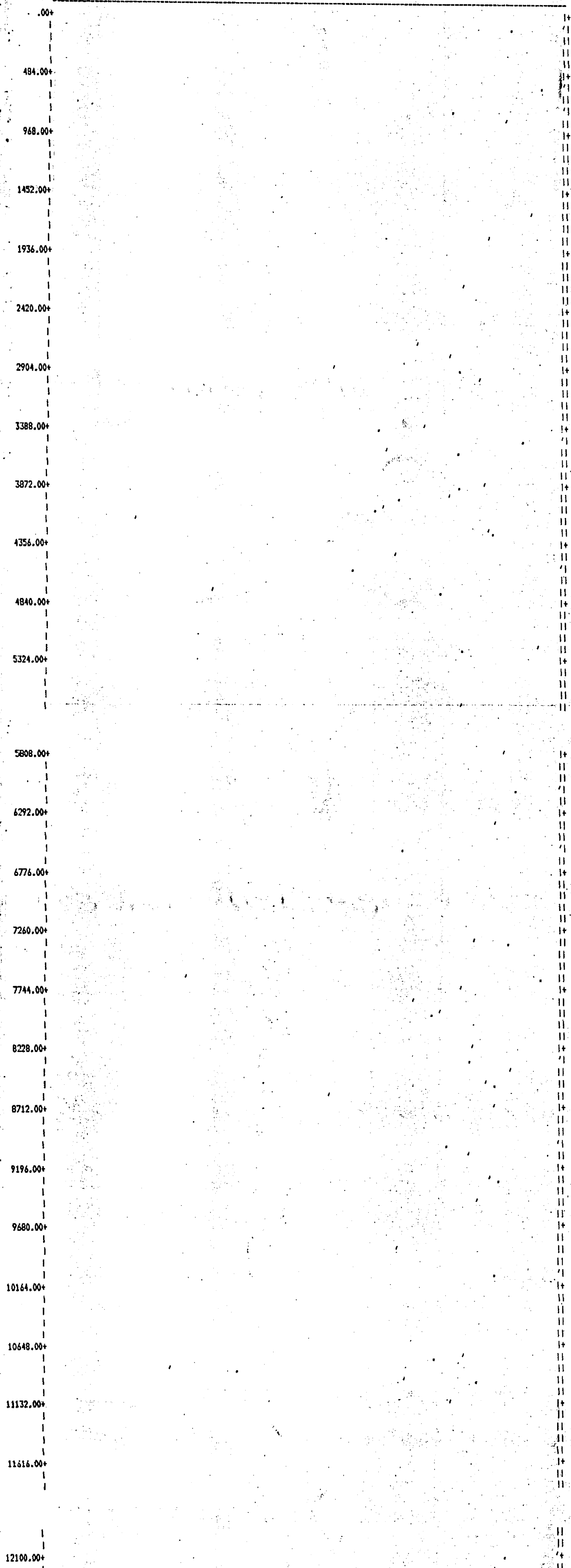
INPUT PARAMETERS
DELTA=48.400000 LY= 254 SMOOTH=.750 DECLIN= 2.0 INCLIN= 132.0
DIP= 90.0 STRIKE= 2.0
START EASTING= 668043.0 START NORTHING= 853768.0
START LOCATION= .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPT.
24.200	-26.99	.000000	.003890	.003890	.000	.000	.000000	.000000
72.400	-27.29	.006198	.007263	.009548	.000	.000	.000000	.000000
121.000	-27.59	.008264	.008053	.011539	.000	.000	.000000	.000000
169.400	-28.09	.012397	.013465	.025034	25.639	172.857	-2.259527	.005903
217.800	-29.29	.008264	.016450	.020598	.000	121.000	.000000	.000000
266.200	-29.29	.008264	.004703	.009509	.000	242.000	.000000	.000000
314.600	-30.79	.006198	.013629	.014972	.000	276.165	.000000	.000000
363.000	-29.89	.002066	.000444	.002165	.000	162.282	.000000	.000000
411.400	-30.99	.012397	.005485	.013554	.000	438.505	.000000	.000000
459.800	-31.09	.007231	.001804	.007453	.000	405.638	.000000	.000000
508.200	-31.69	.015496	.003907	.015981	.000	538.893	.000000	.000000
556.600	-32.59	.015496	.001599	.015578	.000	516.439	.000000	.000000
605.000	-33.19	.041322	.010279	.042582	.000	644.976	.000000	.000000
653.400	-36.59	.022727	.044229	.049726	11.975	635.747	4.071095	-.004195
701.800	-35.39	.001033	.032123	.032123	.000	524.181	.000000	.000000
750.200	-36.49	.000000	.026762	.026762	.000	680.147	.000000	.000000
798.600	-35.39	.008264	.024112	.025489	.000	824.144	.000000	.000000
847.000	-35.69	.010331	.010735	.014898	55.302	838.933	2.863629	-.009642
895.400	-34.39	.003099	.003795	.004900	28.252	897.722	3.691014	.003342
943.800	-35.99	.008264	.014444	.016643	.000	889.473	.000000	.000000
992.200	-35.19	.003099	.011943	.012339	.000	965.800	.000000	.000000
1040.600	-36.29	.012397	.012504	.017608	.000	1063.202	.000000	.000000
1089.000	-36.39	.009298	.020160	.022201	.000	1036.892	.000000	.000000
1137.400	-37.19	.014463	.017506	.022707	.000	1166.004	.000000	.000000
1185.800	-37.79	.014463	.040887	.043370	.000	1175.246	.000000	.000000
1234.200	-38.59	.019628	.032023	.037560	.000	707.850	.000000	.000000
1282.600	-35.89	.006198	.006230	.008789	.000	1306.052	.000000	.000000
1331.000	-39.19	.006198	.045830	.046247	.000	1307.233	.000000	.000000
1379.400	-36.49	.027893	.020403	.034558	.000	1441.289	.000000	.000000
1427.800	-36.49	.002066	.009241	.009470	.000	1429.132	.000000	.000000
1476.200	-36.69	.005165	.020644	.021252	.000	1444.469	.000000	.000000
1524.600	-35.99	.005165	.014483	.015376	.000	522.721	.000000	.000000
1573.000	-37.19	.001033	.028985	.029063	.000	1599.505	.000000	.000000
1621.400	-36.09	.001033	.024074	.024097	.000	1766.400	.000000	.000000
1669.800	-37.09	.007231	.033434	.034207	14.700	1717.828	4.353534	-.004975
1718.200	-35.39	.015496	.014584	.021281	.000	1635.455	.000000	.000000
1766.600	-35.59	.013430	.016847	.021545	.000	1809.457	.000000	.000000
1815.000	-36.69	.003099	.055378	.056463	.000	1808.643	.000000	.000000
1863.400	-35.29	.050620	.022898	.055558	36.946	1878.249	4.050984	-.029613
1911.800	-31.79	.002066	.021015	.021117	.000	1915.347	.000000	.000000
1960.200	-35.09	.025826	.030114	.039672	.000	1913.367	.000000	.000000
2008.600	-34.29	.0012397	.038978	.040904	.000	2051.399	.000000	.000000
2057.000	-33.89	.006198	.017552	.018615	.000	2047.801	.000000	.000000
2105.400	-33.69	.005165	.034977	.035356	.000	2024.733	.000000	.000000
2153.800	-34.39	.018595	.038797	.043023	.000	2201.475	.000000	.000000
2202.200	-31.89	.010331	.017766	.020551	.000	2193.796	.000000	.000000
2250.600	-33.39	.001033	.035516	.035531	49.334	2248.079	4.142252	.024384
2299.000	-31.99	.012397	.040503	.042358	.000	2293.469	.000000	.000000
2347.400	-32.19	.019628	.038136	.042891	.000	2290.933	.000000	.000000
2395.800	-30.09	.015496	.028427	.032376	.000	2414.465	.000000	.000000
2444.200	-30.69	.015496	.049824	.052178	.000	2392.877	.000000	.000000
2492.600	-28.59	.048554	.027451	.055776	.000	2381.789	.000000	.000000
2541.000	-25.99	.005165	.005084	.007247	.000	2567.106	.000000	.000000
2589.400	-28.09	.007231	.053184	.053673	.000	2566.811	.000000	.000000
2637.800	-25.29	.043388	.032209	.054037	.000	2670.202	.000000	.000000
2686.200	-23.89	.015496	.009618	.018238	.000	2686.850	.000000	.000000
2734.600	-23.79	.005165	.038109	.038458	71.728	2728.276	3.387595	.071994
2783.000	-24.39	.021594	.063911	.067493	.000	2784.777	.000000	.000000
2831.400	-21.69	.045455	.039968	.060527	55.601	2811.310	4.019204	-.012039
2879.800	-19.99	.022727	.025615	.034244	.000	2883.241	.000000	.000000
2928.200	-19.49	.008264	.049432	.050119	113.093	2964.169	3.534748	.126805
2976.600	-19.19	.028926	.080653	.083684	49.937	2975.904	4.119043	.055473
3025.000	-16.69	.074380	.071445	.103135	40.921	2967.525	4.205289	.063017
3073.400	-11.99	.076446	.036974	.084918	.000	3056.986	.000000	.000000
3121.800	-9.29	.074380	.035177	.082279	.000	3151.894	.000000	.000000
3170.200	-4.79	.082645	.007073	.082947	.000	3271.610	.000000	.000000
3218.600	-1.29	.041322	.009343	.042635	.000	3227.742	.000000	.000000
3267.000	-.79	.024793	.029617	.038625	.000	3225.853	.000000	.000000
3315.400	1.19	.049587	.040539	.064049	.000	3362.515	.000000	.000000
3363.800	6.11	.051653	.037193	.063650	.000	4326.228	.000000	.000000
3412.200	6.11	.064050	.045111	.078341	66.993	3429.094	4.035240	.056604
3460.600	10.21	.077479	.033422	.084381	91.158	3464.805	3.802240	.038938
3509.000	13.61	.074380	.021277	.077344	.000	3491.571	.000000	.000000
3557.400	17.41	.083017	.023618	.086797	20.329	3593.737	4.436601	.082174
3605.800	19.71	.089215	.039775	.079830	85.757	3583.704	3.936441	.104766
3654.200	24.11	.086777	.039442	.095320	51.577	3538.008	4.179139	.124959
3702.600	28.11	.097107	.032549	.102417	.000	3615.490	.000000	.000000
3751.000	33.51	.103306	.025525	.106412	.000	3685.089	.000000	.000000
3799.400	38.11	.109504	.016095	.110681	.000	3482.252	.000000	.000000
3847.800	44.11	.096074	.012588	.096896	.000	3897.066	.000000	.000000
3896.200	47.41	.113636	.047287	.123082	37.887	3902.721	4.320142	.116329
3944.600	55.11	.117488	.020966	.127264	50.513	3926.621	4.228247	.116282
3993.000	64.01	.163223	.028905	.165743	54.463	3922.198	4.498890	.112470
4041.400	70.91	.147727	.039547	.152934	80.337	4078.871	3.981850	.180419
4089.800	78.31	.138430	.041352	.144474	88.660	4085.018	174.673199	.186087
4138.200	84.31	.150826	.036337	.155537	93.186	3974.681	3.926975	.258226
4186.600	92.91	.165289	.054044	.175900	207.848	4189.291	3.164666	.147701
4235.000	100.31	.177684	.070407	.191127	.000	2710.188	.000000	.000000
4283.400	110.11	.184917	.111031	.249690	35.804	4275.068	4.360606	.155462
4331.800	118.21	.159091	.136525	.209440	33.463	4314.128	4.376081	.156521
4380.200	125.51	.154958	.140819	.209257	.000	4567.757	.000000	.000000
4428.600	133.21	.158058	.149387	.231671	.000	4526.433	.000000	.000000
4477.000	140.81	.136364	.201295	.243135	82.498	4454.312	4.071413	.116025
4525.400	148.41	.114669	.212153	.241159	.000	6558.451	.000000	.000000
4573.800	151.91	.107438	.238633	.261704	.000	4770.935	.000000	.000000
4622.200	156.81	.064050	.272581	.280005	103.210	4601.380	3.959469	.030126
4670.600	158.11	.021694	.266190	.267040	.000	4058.190	.000000	.000000
4719.000	158.91	.004132	.273609	.273640	.000	4908.584	.000000	.000000
4767.400	158.51	.040289	.291692	.294462	171.618	4763.579	3.575481	-.132449
4815.800	155.01	.097107	.281441	.297723	58.367	4622.200	4.237494	-.415009
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4912.600	141.11	.177653	.206937	.274805	.000	4820.681	.000000	.000000
4961.000	133.21	.176653	.162185	.239818	73.000	5162.730	.000000	.000000
5009.400	124.01	.185950	.156331	.239117	22.000	5021.638	.000000	.000000
5057.800	113.71	.179380	.106442	.226014	.000	4899.393	.000000	.000000
5106.200	104.71	.181818	.085919	.201097	.000	4899.568	.000000	.000000
5154.600	96.11	.192149	.071663	.205077	.000	5187.747	.000000	.000000
5203.000	86.11	.196281	.048066	.201614	.000	5182.870	.000000	.000000
5251.400	77.11	.204545	.001048	.204548	11.229	5310.810	4.537419	-.181096
5299.800	66.31	.152893	.045503	.159520	48.350	5295.423	4.336534	-.159367
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5396.600	55.11	.125000	.022176	.126952	.000	5323.442	.000000	.000000
5445.000	50.21	.103306	.033344	.108554	.000	5448.181	.000000	.000000
5493.400	45.11	.099174	.019930	.101156	.000	5461.869	.000000	.000000
5541.800	40.61	.106405	.036688	.112552	.000	5819.001	.000000	.000000
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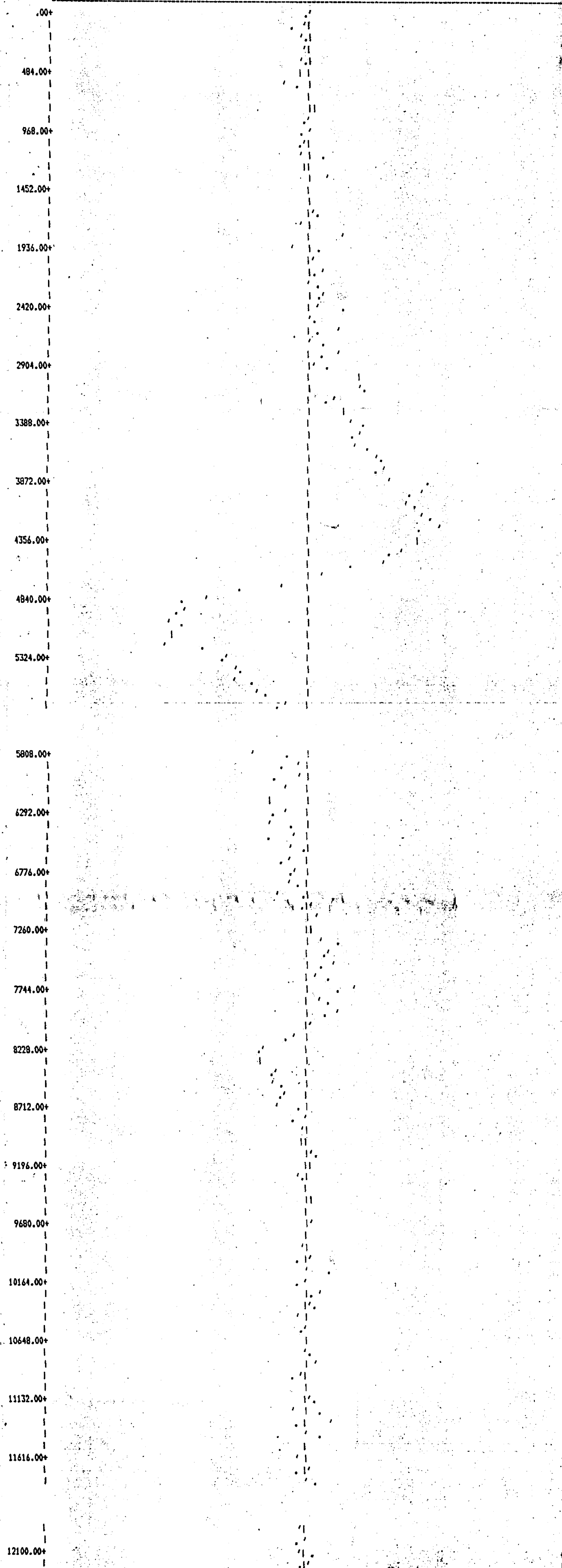
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8591.000	-17.29	-.039256	-.026351	.047281	32.284	8597.754	4.490406	-.044590	-.000001
8639.400	-19.19	-.033058	-.023604	.040620	112.708	8635.579	4.196756	-.069504	-.000001
8687.800	-20.49	-.038223	-.019729	.043014	.000	8692.844	.000000	.000000	.000000
8736.200	-22.89	-.047521	-.040238	.062268	32.221	8778.255	4.492917	-.021391	-.000004
8784.600	-25.09	-.013436	-.058337	.059863	.000	8794.373	.000000	.000000	.000000
8833.000	-24.19	.001033	-.024524	.024544	.000	8782.443	.000000	.000000	.000000
8881.400	-24.99	-.021694	-.027339	.034901	.000	8816.926	.000000	.000000	.000000
8929.800	-26.29	-.006198	-.037802	.038306	.000	8942.944	.000000	.000000	.000000
8978.200	-25.59	-.004132	-.025739	.026069	.000	8935.162	.000000	.000000	.000000
9026.600	-26.69	-.008264	-.027261	.028487	.000	9056.178	.000000	.000000	.000000
9075.000	-26.39	-.008264	-.035144	.036102	55.587	9098.626	4.423203	.007252	-.000004
9123.400	-27.49	.011364	-.039459	.041063	43.800	9122.210	4.460396	-.000220	-.000001
9171.800	-25.29	.017562	-.018014	.025159	.000	9122.759	.000000	.000000	.000000
9220.200	-25.79	.011364	-.014134	.018135	.000	9246.600	.000000	.000000	.000000
9268.600	-24.19	.009298	-.000297	.009302	.000	9100.098	.000000	.000000	.000000
9317.000	-24.89	-.013430	-.004797	.014261	34.840	9304.188	4.490663	.004259	.000002
9365.400	-25.49	-.006198	-.021837	.022700	29.597	9309.995	4.506898	.005220	.000001
9413.800	-25.49	-.001033	-.017476	.017506	.000	9261.997	.000000	.000000	.000000
9462.200	-25.59	.001033	-.020989	.021015	.000	9355.210	.000000	.000000	.000000
9510.600	-25.39	.007231	-.016797	.018288	41.338	9541.714	4.475016	-.003394	.000000
9559.000	-24.89	.007231	-.010395	.012663	.000	9539.895	.000000	.000000	.000000
9607.400	-24.69	-.001033	-.007028	.007103	.000	9634.938	.000000	.000000	.000000
9655.800	-24.99	-.001033	-.018111	.018140	.000	9632.825	.000000	.000000	.000000
9704.200	-24.79	.009298	-.012077	.015242	.000	9807.050	.000000	.000000	.000000
9752.600	-24.09	.003099	-.007613	.008219	.000	9759.860	.000000	.000000	.000000
9801.000	-24.49	.005165	-.006656	.008425	.000	9283.818	.000000	.000000	.000000
9849.400	-23.59	-.003099	-.001874	.003622	.000	9862.540	.000000	.000000	.000000
9897.800	-24.79	-.008264	-.011624	.014262	80.447	9896.067	4.373757	.017121	-.000001
9946.200	-24.39	.000000	-.018530	.018530	.000	9958.525	.000000	.000000	.000000
9994.600	-24.79	.008264	-.007081	.010883	.000	9941.312	.000000	.000000	.000000
10043.000	-23.59	-.013430	-.003774	.013950	.000	10082.185	.000000	.000000	.000000
10091.400	-26.09	-.004132	-.036260	.036495	.000	10081.728	.000000	.000000	.000000
10139.800	-23.99	.030992	-.012752	.033515	32.368	10150.029	4.507631	-.020305	.000001
10188.200	-23.09	-.002066	.014691	.014835	.000	10197.250	.000000	.000000	.000000
10236.600	-24.19	-.016529	-.022203	.027680	.000	10198.956	.000000	.000000	.000000
10285.000	-24.69	.018595	-.023986	.030350	.000	10244.667	.000000	.000000	.000000
10333.400	-22.39	.010331	.000219	.010333	.000	10342.025	.000000	.000000	.000000
10381.800	-23.69	.008264	-.013190	.015565	.000	10326.543	.000000	.000000	.000000
10430.200	-21.59	.017562	.009639	.020034	.000	10425.863	.000000	.000000	.000000
10478.600	-21.99	.016529	.004953	.017255	.000	10472.373	.000000	.000000	.000000
10527.000	-23.19	.003099	-.018192	.018454	.000	10554.228	.000000	.000000	.000000
10575.400	-21.69	.003099	.005118	.005983	.000	10551.454	.000000	.000000	.000000
10623.800	-22.89	-.010331	-.010659	.014844	.000	10669.044	.000000	.000000	.000000
10672.200	-22.69	.004132	-.010640	.011415	.000	10664.835	.000000	.000000	.000000
10720.600	-22.49	-.003099	-.007172	.007813	.000	10780.955	.000000	.000000	.000000
10769.000	-22.99	.001033	-.015939	.015972	47.358	10752.246	4.472390	.012476	-.000001
10817.400	-22.39	.011364	-.012549	.016929	60.923	10837.728	4.435361	-.005248	-.000001
10865.800	-21.89	.013430	-.008540	.013441	193.278	10863.834	4.121731	-.074368	.000006
10914.200	-21.09	.005165	.007785	.009342	159.773	10885.334	4.184609	-.046384	.000011
10962.600	-21.39	-.009298	.010313	.013086	75.426	11027.414	4.403673	.030758	-.000004
11011.000	-21.99	-.022727	-.008549	.024282	39.529	10990.311	4.494508	.007702	.000001
11059.400	-23.59	-.005165	-.023796	.024350	.000	11252.035	.000000	.000000	.000000
11107.800	-22.49	.001033	-.015726	.015760	.000	10994.867	.000000	.000000	.000000
11156.200	-23.49	.008264	-.020470	.022075	53.368	11301.689	4.462577	-.043332	.000030
11204.600	-21.69	.012397	.001839	.012532	.000	11090.184	.000000	.000000	.000000
11253.000	-22.29	.018595	-.012066	.022167	.000	11342.289	.000000	.000000	.000000
11301.400	-23.49	.021694	-.041742	.047043	.000	11314.300	.000000	.000000	.000000
11349.800	-20.19	.040289	.015893	.043311	.000	11315.248	.000000	.000000	.000000
11398.200	-19.59	-.015496	-.017431	.023323	.000	11427.588	.000000	.000000	.000000
11446.600	-21.69	.000000	-.021643	.021643	.000	11436.984	.000000	.000000	.000000

11495.000	-19.59	.018595	.003682	.018956	.000	11428.121	.000000	.000000	.000000
11543.400	-19.89	-.003099	.006076	.006820	.000	11560.154	.000000	.000000	.000000
11591.800	-19.89	.002066	.001229	.002404	.000	11568.666	.000000	.000000	.000000
11640.200	-19.69	-.012397	.002779	.012704	.000	11698.513	.000000	.000000	.000000
11688.600	-21.09	-.002066	-.019104	.019216	.000	11689.740	.000000	.000000	.000000
11737.000	-19.89	.011364	.002011	.011540	.000	11628.279	.000000	.000000	.000000
11785.400	-19.99	-.012397	.000620	.012412	.000	11856.499	.000000	.000000	.000000
11833.800	-21.09	.000000	-.019566	.019566	.000	11830.786	.000000	.000000	.000000
11882.200	-19.99	.014463	-.001139	.014508	.000	11901.987	.000000	.000000	.000000
11930.600	-19.69	-.006198	.004021	.007389	.000	11848.530	.000000	.000000	.000000
11979.000	-20.59	.002066	-.011297	.011485	.000	11991.057	.000000	.000000	.000000
12027.400	-19.49	.004132	.006809	.007965	.000	12011.267	.000000	.000000	.000000
12075.800	-20.19	-.014463	-.000879	.014489	.000	12108.800	.000000	.000000	.000000
12124.200	-20.89	-.010331	-.019022	.021644	.000	12108.800	.000000	.000000	.000000
12172.600	-21.19	.016529	-.021977	.027499	25.834	12194.029	4.534561	-.016789	-.000000
12221.000	-19.29	.011364	.012860	.017162	.000	.000	.000000	.000000	.000000
12269.400	-20.09	-.010331	-.014279	.017624	.000	.000	.000000	.000000	.000000
12317.800	-20.29	.012397	-.004674	.013249	.000	.000	.000000	.000000	.000000

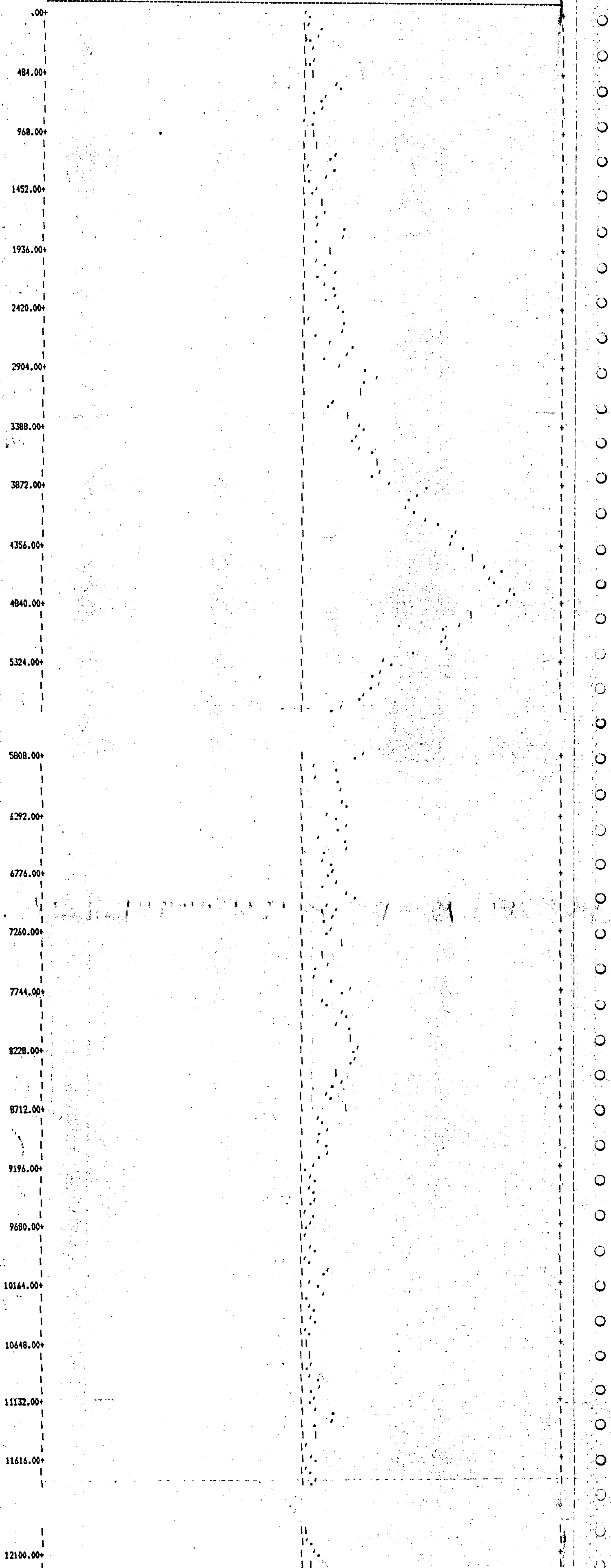


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484.00+
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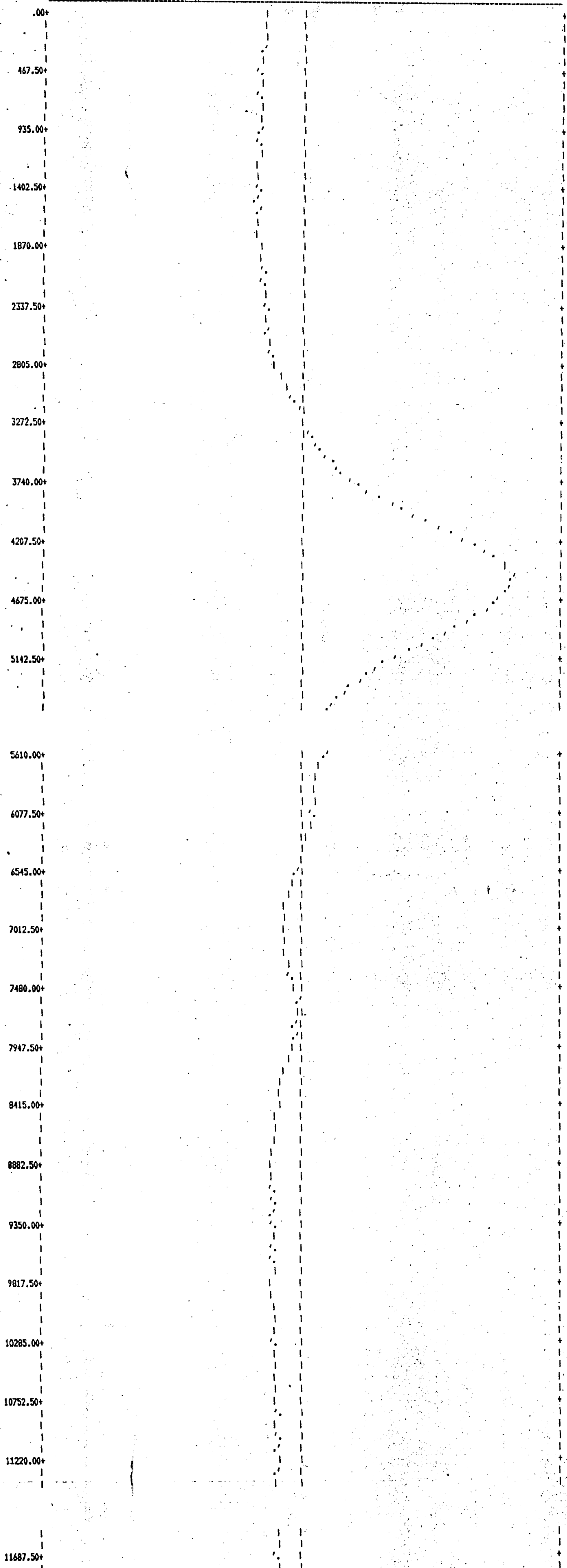
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DIR = 90.0 STRIKE = 2.0
START EASTING = 668033.0 START NORTHING = 8537365.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY REAL	TOTAL REAL	DEPTH HORIZ-DIST.	MAGNETIC BIP	MAGNETIC OFF-GET	SUSCEPT.
23.375	-34.13	.000000	-.001850	.001850	.000	.000	.000000	.000000
78.125	-34.13	-.008556	.014304	.016668	.000	.000	.000000	.000000
116.875	-34.93	-.021390	-.006819	.022451	.000	.000	.000000	.000000
163.625	-36.13	-.007487	-.013594	.015519	51.071	119.986	.621602	.007921
210.375	-35.63	.002139	-.010393	.010611	.000	16.183	.000000	.000000
257.125	-35.93	.005348	.009271	.010702	58.691	277.120	-1.104194	-.030990
303.875	-35.13	-.026738	.020266	.033550	.000	321.429	.000000	.000000
350.625	-38.43	-.042781	-.020772	.047557	.000	298.976	.000000	.000000
397.375	-39.13	-.007487	-.024056	.025194	.000	412.979	.000000	.000000
444.125	-39.13	-.033155	-.015315	.036521	.000	523.434	.000000	.000000
490.875	-42.23	-.008556	-.061228	.061823	.000	489.035	.000000	.000000
537.625	-39.93	.032086	-.020740	.038205	43.756	524.724	1.948638	-.036540
584.375	-39.23	.000000	.002514	.002514	.000	580.232	.000000	.000000
631.125	-39.93	-.017112	-.014232	.022257	139.630	631.496	-171.371187	-131466
677.875	-40.83	-.004278	-.039195	.039428	.000	673.784	.000000	.000000
724.625	-40.33	.025668	-.019604	.032300	.000	646.070	.000000	.000000
771.375	-38.43	.002139	-.000069	.002140	.000	872.355	.000000	.000000
818.125	-40.13	.004278	-.016877	.017411	.000	814.794	.000000	.000000
864.875	-38.03	.008556	.005320	.010075	18.857	912.738	4.003086	-.003085
911.625	-39.33	-.022460	.001770	.022530	.000	924.130	.000000	.000000
958.375	-40.13	-.021390	-.025434	.033233	113.820	877.462	.678737	.075368
1005.125	-41.33	-.006417	-.033173	.033788	.000	1083.791	.000000	.000000
1051.875	-40.73	.008556	-.036081	.037082	.000	867.486	.000000	.000000
1098.625	-40.53	.036364	-.016791	.040053	42.171	1143.165	3.551821	-.038875
1145.375	-37.33	.009626	.040004	.041146	.000	1144.452	.000000	.000000
1192.125	-39.63	-.045241	.001206	.045252	41.574	1190.288	3.538631	.041933
1238.875	-43.43	-.019251	-.045568	.067377	.000	1234.547	.000000	.000000
1285.625	-41.43	.012834	-.024375	.027547	.000	1199.132	.000000	.000000
1332.375	-42.23	-.016043	-.030022	.034040	.000	1433.080	.000000	.000000
1379.125	-42.93	.017112	-.058076	.060545	.000	1385.357	.000000	.000000
1425.875	-40.63	.058824	-.002449	.058874	50.216	1442.523	3.623281	-.067334
1472.625	-37.43	-.022460	.052820	.057397	.000	1484.307	.000000	.000000
1519.375	-42.73	-.072727	-.049756	.088119	.000	1482.573	.000000	.000000
1566.125	-44.23	.031016	-.071505	.077942	.000	1593.255	.000000	.000000
1612.875	-39.83	.013904	.009203	.016673	.000	1576.761	.000000	.000000
1659.625	-42.93	-.029947	-.034201	.045459	.000	2273.629	.000000	.000000
1706.375	-42.63	.010695	-.039587	.041006	.000	1697.510	.000000	.000000
1753.125	-41.93	-.016043	-.026533	.031006	.000	1804.156	.000000	.000000
1799.875	-44.13	.001070	-.072249	.072257	.000	1793.479	.000000	.000000
1846.625	-41.83	.048128	-.041557	.063587	39.892	1836.511	3.963577	-.014148
1893.375	-39.63	.020321	-.007528	.021670	.000	1888.294	.000000	.000000
1940.125	-39.93	.004278	-.027554	.027884	.000	1881.561	.000000	.000000
1986.875	-39.23	.017112	-.029123	.033778	.000	1984.709	.000000	.000000
2033.625	-38.33	.012834	-.025141	.028228	.000	2031.733	.000000	.000000
2080.375	-38.03	.018182	-.024388	.030420	.000	2623.194	.000000	.000000
2127.125	-36.63	.005348	-.015489	.016366	.000	2145.507	.000000	.000000
2173.875	-37.53	.000000	-.037378	.037378	12.394	2156.367	4.436718	.022191
2220.625	-36.63	.021390	-.038519	.044060	.000	2223.222	.000000	.000000
2267.375	-35.53	.022460	-.023627	.032599	.000	2232.607	.000000	.000000
2314.125	-34.53	.016043	-.021554	.026869	.000	2354.258	.000000	.000000
2360.875	-34.03	.017112	-.012342	.021099	.000	2582.505	.000000	.000000
2407.625	-32.93	-.018182	-.004691	.018777	.000	2433.044	.000000	.000000
2454.375	-35.73	-.028877	-.024464	.046816	.000	2431.711	.000000	.000000
2501.125	-35.63	.027807	-.046475	.072057	15.979	2496.879	4.414693	-.005218
2547.875	-33.13	.018182	-.033139	.037799	.000	2534.926	.000000	.000000
2594.625	-33.93	.007487	-.051001	.051547	51.082	2582.322	4.009915	.031692
2641.375	-32.43	.018182	-.054952	.057881	.000	2681.199	.000000	.000000
2688.125	-32.23	.024599	-.041449	.066190	.000	2620.441	.000000	.000000
2734.875	-30.13	.042781	-.051814	.067193	35.082	2754.136	4.237951	.010768
2781.625	-28.23	.023529	-.033986	.041336	.000	2794.198	.000000	.000000
2828.375	-27.93	.010695	-.072781	.073563	24.577	2822.330	4.350183	.057994
2875.125	-27.23	.063102	-.081359	.102962	24.904	2864.056	4.349020	.041372
2921.875	-22.03	.064171	-.040399	.075829	.000	2893.189	.000000	.000000
2968.625	-21.23	.055615	-.048548	.073824	.000	3010.209	.000000	.000000
3015.375	-16.83	.040963	-.026997	.066673	.000	3008.025	.000000	.000000
3062.125	-15.53	.027807	-.041341	.049823	.000	3139.292	.000000	.000000
3108.875	-14.23	.059893	-.049271	.091573	.000	3093.587	.000000	.000000
3155.625	-9.93	.075936	-.042161	.086855	168.846	3111.691	2.987125	-.055692
3202.375	-7.13	.072727	-.033636	.080129	.000	3216.040	.000000	.000000
3249.125	-3.13	.058824	-.011920	.060919	31.914	3292.050	4.301571	.078036
3295.875	-1.63	.018182	-.041552	.043356	28.736	3328.989	4.351865	.094569
3342.625	-1.43	.058824	-.091179	.111889	.000	3337.553	.000000	.000000
3389.375	3.87	.141230	-.058303	.125584	48.061	3362.089	4.186043	.033208
3436.125	8.97	.085615	-.024577	.089021	.000	3420.940	.000000	.000000
3482.875	11.87	.067380	-.040989	.078867	168.298	3595.959	3.275789	.331493
3529.625	15.27	.072727	-.048092	.099628	48.500	3529.437	4.206672	.116251
3576.375	18.67	.119786	-.076619	.142194	33.658	3590.823	4.327069	.071529
3623.125	26.47	.128342	-.028486	.131464	.000	3589.549	.000000	.000000
3669.875	30.67	.076257	-.041422	.104791	.000	3729.666	.000000	.000000
3716.625	35.47	.124064	-.067352	.141167	71.225	3584.682	3.980420	.299571
3763.375	42.27	.154011	-.059782	.165207	187.004	3689.988	3.168932	.175501
3810.125	49.87	.177540	-.043541	.182801	.000	3605.328	.000000	.000000
3856.875	58.87	.192513	-.027860	.194519	.000	3756.125	.000000	.000000
3903.625	67.87	.219251	-.000895	.219253	59.343	3911.709	4.138514	.167043
3950.375	79.37	.208556	.044590	.213270	.000	3943.722	.000000	.000000
3997.125	87.37	.188235	.039931	.192219	42.857	4019.779	4.294719	.235137
4043.875	96.97	.217112	.037482	.220324	28.150	4029.173	4.398479	.227449
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4137.375	119.27	.236364	.099667	.260492	.000	4138.189	.000000	.000000
4184.125	129.77	.235294	.135334	.271438	.000	3623.094	.000000	.000000
4230.875	141.27	.241711	.174408	.299064	.000	4294.497	.000000	.000000
4277.625	152.37	.219251	.228400	.316604	78.576	4274.622	4.073912	.188854
4324.375	161.77	.182888	.249650	.309472	.000	4498.302	.000000	.000000
4371.125	169.47	.170053	.281586	.328951	.000	4994.870	.000000	.000000
4417.875	177.67	.114439	.321020	.340807	.000	4216.494	.000000	.000000
4464.625	180.17	.070588	.314135	.321969	.000	4280.794	.000000	.000000
4511.375	184.27	.036364	.337371	.339325	.000	3950.798	.000000	.000000
4558.125	183.57	-.033155	.325321	.327007	.000	2374.649	.000000	.000000
4604.875	181.17	-.055615	.295936	.301117	.000	4513.159	.000000	.000000
4651.625	178.37	-.090909	.285603	.299530	92.502	4645.136	4.023717	-.042177
4698.375	172.67	-.103743	.245472	.244494	.000	4649.120	.000000	.000000
4745.125	168.67	-.095187	.257522	.274551	.000	4844.135	.000000	.000000
4791.875	163.77	-.152941	.274671	.314380	54.471	4799.322	4.272444	-.156778
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4885.375	144.07	-.205348	.163834	.262696	.000	4870.531	.000000	.000000
4932.125	135.17	-.193583	.151236	.245856	29.688	4977.674	4.427376	-.222124
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5259.375	64.87	-.164706	-.041902	.169952	.000	5192.510	.000000	.000000
5306.125	57.07	-.120856	-.032889	.125251	35.846	5291.186	4.402902	-.178770
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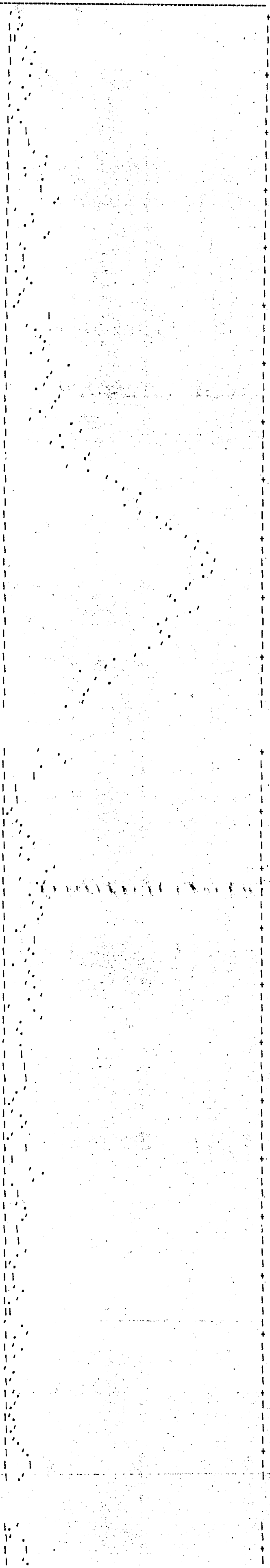
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8298.125	-20.13	-.028877	-.028714	.040723	.000	8414.214	.000000	.000000	.000000
8344.875	-21.43	-.011765	-.032399	.034469	55.092	8290.508	4.408734	-.007555	-.000002
8391.625	-21.23	-.006417	-.021287	.022233	.000	8436.248	.000000	.000000	.000000
8438.375	-22.63	-.005348	-.017824	.018609	.000	8421.318	.000000	.000000	.000000
8485.125	-21.73	-.007487	-.008860	.011599	67.894	8521.003	4.369726	-.013456	.000003
8531.875	-22.73	-.018182	-.009284	.020415	50.317	8546.169	4.428836	-.007256	.000002
8578.625	-23.43	-.023529	-.018948	.030210	179.527	8648.747	4.010487	.080743	-.000041
8625.375	-24.93	-.017112	-.032927	.037108	73.349	8632.029	4.355235	.003287	-.000006
8672.125	-25.63	.003209	-.033213	.033367	45.426	8701.515	4.429453	-.028705	-.000000
8718.875	-24.63	.011765	-.010402	.015704	66.633	8710.195	4.384962	-.042039	.000001
8765.625	-23.93	-.012834	.004095	.013472	.000	8777.006	.000000	.000000	.000000
8812.375	-25.83	-.028877	-.022617	.036680	36.713	8788.625	4.477725	.015112	.000002
8859.125	-24.63	-.003209	-.035955	.036098	.000	8868.770	.000000	.000000	.000000
8905.875	-26.13	.005348	-.015357	.016262	77.635	8881.389	4.343908	-.053601	-.000004
8952.625	-26.13	-.012834	-.008128	.015192	.000	8967.147	.000000	.000000	.000000
8999.375	-27.33	-.027807	-.033603	.043617	64.370	9023.468	4.394413	.045737	-.000011
9046.125	-28.73	.011765	-.042768	.063861	.000	9056.071	.000000	.000000	.000000
9092.875	-26.23	.049198	-.013222	.050970	.000	9059.900	.000000	.000000	.000000
9139.625	-26.13	.001070	-.015554	.015590	.000	9154.894	.000000	.000000	.000000
9186.375	-26.13	-.004278	-.023173	.023564	.000	9157.647	.000000	.000000	.000000
9233.125	-26.53	.023529	-.002447	.023656	.000	9409.876	.000000	.000000	.000000
9279.875	-23.93	-.013904	.015647	.020932	.000	9292.281	.000000	.000000	.000000
9326.625	-25.83	.007487	-.024648	.034823	63.231	9303.535	4.399926	.051702	.000003
9373.375	-26.23	.007487	-.034534	.035336	15.905	9374.053	4.549470	-.000419	-.000003
9420.125	-25.13	.026738	-.014232	.030290	145.977	9443.500	4.169577	-.152941	.000017
9466.875	-23.73	.013904	.019068	.023599	.000	9460.249	.000000	.000000	.000000
9513.625	-23.83	-.024599	.007771	.025797	.000	9460.468	.000000	.000000	.000000
9560.375	-26.03	-.016043	-.018457	.024455	.000	9571.258	.000000	.000000	.000000
9607.125	-25.33	-.012834	-.021876	.025363	.000	9866.490	.000000	.000000	.000000
9653.875	-27.23	.009626	-.035737	.037011	22.783	9680.458	4.529600	-.017502	-.000000
9700.625	-24.43	.024599	.000154	.024599	.000	9676.429	.000000	.000000	.000000
9747.375	-24.93	-.008556	.006584	.010796	24.713	9722.805	4.525324	-.002980	.000002
9794.125	-25.23	-.010695	-.010739	.015156	.000	9813.530	.000000	.000000	.000000
9840.875	-25.93	-.008556	-.017190	.019202	17.561	9846.269	4.546981	-.005594	-.000001
9887.625	-26.03	.001070	-.019155	.019185	.000	9973.702	.000000	.000000	.000000
9934.375	-25.83	-.002139	-.017138	.017271	.000	10139.742	.000000	.000000	.000000
9981.125	-26.23	.009626	-.028261	.027970	.000	9991.905	.000000	.000000	.000000
10027.875	-24.93	.021390	-.008001	.022838	70.797	10039.137	4.398870	-.019572	.000002
10074.625	-24.23	.008556	.005708	.010286	.000	10069.996	.000000	.000000	.000000
10121.375	-24.13	.007487	.000308	.007493	.000	10073.092	.000000	.000000	.000000
10168.125	-24.93	.000000	-.013454	.013454	.000	10181.620	.000000	.000000	.000000
10214.875	-24.13	.002139	-.005595	.005990	.000	10177.809	.000000	.000000	.000000
10261.625	-24.73	-.027807	-.009798	.029483	.000	10318.296	.000000	.000000	.000000
10308.375	-26.73	.001070	-.039612	.039626	.000	10310.280	.000000	.000000	.000000
10355.125	-24.63	.016043	-.009523	.018656	.000	10285.695	.000000	.000000	.000000
10401.875	-25.23	-.002139	-.018345	.018470	.000	10385.879	.000000	.000000	.000000
10448.625	-24.83	.025668	-.018628	.031715	.000	10508.513	.000000	.000000	.000000
10495.375	-22.83	.013904	-.011286	.017908	25.766	10465.972	4.523738	-.008801	-.000000
10542.125	-23.53	-.003209	.001736	.003648	67.519	10493.817	4.413959	.004682	.000005
10588.875	-23.13	-.006417	-.002235	.006795	.000	10587.812	.000000	.000000	.000000
10635.625	-24.13	-.005348	-.015369	.016273	.000	10627.701	.000000	.000000	.000000
10682.375	-23.63	.006417	-.010247	.012091	.000	10652.321	.000000	.000000	.000000
10729.125	-23.53	-.002139	-.005851	.006230	.000	10747.472	.000000	.000000	.000000
10775.875	-23.83	-.003209	-.017241	.017537	51.550	10772.275	4.461556	.018231	-.000002
10822.625	-23.83	.013904	-.020549	.024827	.000	10845.002	.000000	.000000	.000000
10869.375	-22.53	.019251	.002334	.019392	30.532	10850.329	4.519832	-.009863	.000000
10916.125	-22.03	-.003209	.006852	.007566	.000	10920.188	.000000	.000000	.000000
10962.875	-22.83	-.007487	-.008819	.011568	227.947	10846.060	3.989965	.202032	.000130
11009.625	-22.73	.001070	-.016779	.016814	.000	11014.615	.000000	.000000	.000000
11056.375	-22.73	.016043	-.010934	.019414	54.637	11089.186	4.457477	-.022090	.000003

11103.125	-21.23	.007487	.010967	.013279	.000	11096.230	.000000	.000000	.000000
11149.875	-22.03	-.017112	-.004003	.017574	35.551	11175.320	4.507239	.026898	-.000002
11196.625	-22.83	.002139	-.026774	.026859	.000	11185.350	.000000	.000000	.000000
11243.375	-21.83	.026738	-.011685	.029180	75.878	11294.909	4.406303	-.068513	.000016
11290.125	-20.33	.020321	.027385	.034101	.000	11282.457	.000000	.000000	.000000
11336.875	-19.93	-.038503	.021396	.044048	22.776	11353.972	4.540217	.028125	.000001
11383.625	-23.93	-.023529	-.039950	.046364	18.634	11354.655	4.550774	.026272	.000001
11430.375	-22.13	.013904	-.025100	.028694	39.500	11365.046	4.498891	.018310	-.000003
11477.125	-22.63	.020321	-.016897	.026428	.000	11469.547	.000000	.000000	.000000
11523.875	-20.23	.021390	.013143	.025106	39.513	11535.249	4.499994	.002297	.000003
11570.625	-20.63	-.006417	.008826	.010912	.000	11659.173	.000000	.000000	.000000
11617.375	-20.83	-.007487	.006742	.010075	.000	11605.929	.000000	.000000	.000000
11664.125	-21.33	-.025668	-.016286	.030399	.000	11732.159	.000000	.000000	.000000
11710.875	-23.23	.016043	-.035959	.039376	.000	11725.654	.000000	.000000	.000000
11757.625	-19.83	.033155	.009993	.034628	35.049	11736.278	4.511430	-.038764	-.000001
11804.375	-20.13	-.014973	.029534	.033113	.000	.000	.000000	.000000	.000000
11851.125	-21.23	-.027807	-.026835	.038644	.000	.000	.000000	.000000	.000000
11897.875	-22.73	-.002139	-.016548	.016685	.000	.000	.000000	.000000	.000000



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INPUT PARAMETERS
DELM=48.9500000 LX= 256 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 448018.0 START NORTHING = 8517069.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	MAGNETIC HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPT.
24.475	-31.14	.000000	.010353	.010353	.000	.000	.000000	.000000	.000000
73.425	-29.94	-.026558	.023304	.035333	.000	.000	.000000	.000000	.000000
122.375	-33.74	-.006129	-.025856	.026572	.000	.000	.000000	.000000	.000000
171.325	-30.54	.012257	.017671	.021506	13.156	151.907	3.712817	-.031014	.000000
220.275	-32.54	-.026558	.013298	.029701	.000	217.033	.000000	.000000	.000000
269.225	-33.14	-.029622	-.005999	.030223	.000	277.361	.000000	.000000	.000000
318.175	-35.44	-.022472	-.031025	.038308	26.162	337.133	2.323776	-.018895	.000005
367.125	-35.34	.012257	-.021903	.025100	32.924	345.770	1.764925	-.021671	.000007
416.075	-34.24	-.004086	.003520	.005393	.000	421.045	.000000	.000000	.000000
465.025	-35.74	-.011236	-.015942	.019504	.000	392.570	.000000	.000000	.000000
513.975	-35.34	.006129	-.003038	.006840	.000	921.301	.000000	.000000	.000000
562.925	-35.14	-.027579	.010688	.029577	.000	582.853	.000000	.000000	.000000
611.875	-38.04	-.037794	.039615	.054752	.000	590.592	.000000	.000000	.000000
660.825	-38.84	.015322	-.044613	.047171	.000	667.419	.000000	.000000	.000000
709.775	-36.54	.012257	-.005531	.013448	.000	688.153	.000000	.000000	.000000
758.725	-37.64	-.005107	-.016832	.017590	.000	1327.769	.000000	.000000	.000000
807.675	-37.04	.011236	-.010809	.021294	.000	846.539	.000000	.000000	.000000
856.625	-36.54	.007150	.000105	.007151	.000	839.153	.000000	.000000	.000000
905.575	-36.34	-.010215	-.004229	.011055	.000	4160.757	.000000	.000000	.000000
954.525	-37.54	-.004086	-.014649	.015227	.000	926.848	.000000	.000000	.000000
1003.475	-36.74	-.008172	-.008051	.011472	.000	1041.726	.000000	.000000	.000000
1052.425	-38.34	-.006129	-.023916	.024688	.000	1042.889	.000000	.000000	.000000
1101.375	-37.34	.003064	-.007421	.008028	.000	1166.355	.000000	.000000	.000000
1150.325	-38.04	-.016343	-.022882	.028119	.000	1145.012	.000000	.000000	.000000
1199.275	-38.94	.019408	-.024671	.031399	.000	1344.968	.000000	.000000	.000000
1248.225	-36.14	.001021	.007480	.007549	.000	1640.422	.000000	.000000	.000000
1297.175	-38.84	-.011236	-.007002	.013239	.000	1196.216	.000000	.000000	.000000
1346.125	-37.24	-.023493	-.007005	.024515	103.115	1382.837	2.644253	.031645	.000010
1395.075	-41.14	-.019408	-.037764	.042459	17.423	1382.837	4.240488	-.003561	.000001
1444.025	-39.14	.001021	-.028439	.028457	.000	1947.041	.000000	.000000	.000000
1492.975	-41.04	.000000	-.030393	.030393	.000	1478.993	.000000	.000000	.000000
1541.925	-39.14	.007150	-.017190	.018617	.000	1573.900	.000000	.000000	.000000
1590.875	-40.34	-.006129	-.024002	.024772	.000	1610.762	.000000	.000000	.000000
1639.825	-39.74	.010215	-.017681	.020419	.000	1601.985	.000000	.000000	.000000
1688.775	-39.34	-.017365	-.009610	.019846	.000	1724.171	.000000	.000000	.000000
1737.725	-41.44	-.012257	-.038688	.040581	47.133	1687.595	3.783134	.013599	.000003
1786.675	-40.54	-.001021	-.032924	.032940	88.073	1756.673	3.166700	-.005140	.000007
1835.625	-41.54	.004086	-.036897	.037123	.000	1784.306	.000000	.000000	.000000
1884.575	-40.14	.004086	-.022988	.023348	.000	1848.100	.000000	.000000	.000000
1933.525	-41.14	-.010215	-.036538	.037938	.000	1982.475	.000000	.000000	.000000
1982.475	-41.14	.004086	-.049333	.049502	79.497	1798.913	3.344461	.149949	.000137
2031.425	-40.74	.001450	-.051300	.055604	55.447	2193.835	3.867995	-.100576	.000087
2080.375	-39.04	.036772	-.025189	.044572	.000	2030.688	.000000	.000000	.000000
2129.325	-37.14	.008172	-.016028	.017991	.000	2041.503	.000000	.000000	.000000
2178.275	-38.24	.016343	-.034214	.037917	.000	2187.951	.000000	.000000	.000000
2227.225	-35.54	.018384	-.017355	.025284	18.213	2206.845	4.371479	.005849	.000000
2276.175	-36.44	.007150	-.022459	.023579	.000	2423.025	.000000	.000000	.000000
2325.125	-34.84	.006129	-.023895	.024668	.000	2307.325	.000000	.000000	.000000
2374.075	-35.84	-.002043	-.032740	.032804	.000	2418.575	.000000	.000000	.000000
2423.025	-34.64	.010215	-.038125	.039470	.000	2431.183	.000000	.000000	.000000
2471.975	-34.84	.013279	-.033821	.036334	.000	2411.900	.000000	.000000	.000000
2520.925	-33.34	.008172	-.038290	.039153	.000	2534.070	.000000	.000000	.000000
2569.875	-34.04	.022472	-.040610	.046413	.000	2696.609	.000000	.000000	.000000
2618.825	-31.14	.005107	-.022570	.023141	.000	2834.982	.000000	.000000	.000000
2667.775	-33.54	-.005107	-.067466	.067839	.000	2841.292	.000000	.000000	.000000
2716.725	-31.84	.048008	-.061360	.077909	.000	2785.272	.000000	.000000	.000000
2765.675	-28.84	.025536	-.031146	.040277	.000	2807.117	.000000	.000000	.000000
2814.625	-29.14	.028601	-.059236	.065779	.000	2796.753	.000000	.000000	.000000
2863.575	-26.04	.046987	-.038131	.060512	.000	2969.581	.000000	.000000	.000000
2912.525	-24.54	.026558	-.037337	.045819	.000	2633.510	.000000	.000000	.000000
2961.475	-23.44	.036772	-.049758	.061871	.000	2965.339	.000000	.000000	.000000
3010.425	-20.94	.041879	-.039348	.057485	98.220	3020.553	3.706154	.001726	.000064
3059.375	-19.34	.030644	-.035663	.047020	.000	3072.874	.000000	.000000	.000000
3108.325	-17.94	.016343	-.057134	.059426	53.532	3149.854	4.113003	.069245	.000011
3157.275	-17.74	.049030	-.089793	.102307	.000	3161.281	.000000	.000000	.000000
3206.225	-13.14	.089888	-.057092	.106486	51.867	3181.591	4.126907	.022178	.000008
3255.175	-8.94	.066394	-.026777	.071591	.000	3235.335	.000000	.000000	.000000
3304.125	-6.44	.050051	-.040028	.064089	166.246	3321.106	3.429671	.171348	.000002
3353.075	-4.04	.052094	-.054939	.075711	24.821	3331.948	4.388845	.072706	.000001
3402.025	-1.54	.070489	-.063084	.094589	49.086	3394.467	4.182432	.057051	.000003
3450.975	2.86	.072523	-.050219	.088213	.000	3432.716	.000000	.000000	.000000
3499.925	5.56	.067416	-.076841	.102222	.000	3599.727	.000000	.000000	.000000
3548.875	9.46	.119510	-.085310	.146834	29.181	3552.954	4.362248	.088844	.000006
3597.825	17.26	.134831	-.039634	.140536	27.227	3552.954	4.378087	.089690	.000006
3646.775	22.66	.113381	-.027729	.116723	.000	3663.653	.000000	.000000	.000000
3695.725	28.36	.105209	-.045734	.114720	67.282	3696.626	4.086239	.169617	.000006
3744.675	32.96	.141982	-.063769	.155645	16.898	3750.426	4.468852	.126461	.000004
3793.625	42.26	.163432	-.023159	.165065	.000	3701.844	.000000	.000000	.000000
3842.575	48.96	.146025	-.031011	.147325	.000	4415.638	.000000	.000000	.000000
3891.525	56.36	.185904	-.039486	.190047	.000	4045.199	.000000	.000000	.000000
3940.475	67.16	.209397	-.014823	.209923	.000	3853.380	.000000	.000000	.000000
3989.425	76.86	.240041	-.014377	.240471	.000	2944.000	.000000	.000000	.000000
4038.375	90.66	.234934	.052913	.240819	.000	2060.201	.000000	.000000	.000000
4087.325	99.86	.265577	.060959	.272486	.000	4105.854	.000000	.000000	.000000
4136.275	116.66	.288049	.140634	.323862	53.964	4129.181	4.240095	.208120	.000002
4185.225	128.06	.242084	.199218	.313535	.000	4250.832	.000000	.000000	.000000
4234.175	140.36	.220633	.237948	.324508	.000	4082.850	.000000	.000000	.000000
4283.125	149.66	.171604	.266886	.317295	.000	4435.857	.000000	.000000	.000000
4332.075	157.16	.158325	.288862	.327644	.000	4448.104	.000000	.000000	.000000
4381.025	165.16	.101124	.347404	.361828	108.846	4406.557	3.889204	.084173	.000006
4429.975	167.06	.014300	.337839	.333138	.000	4150.950	.000000	.000000	.000000
4478.925	166.56	-.029622	.315394	.316782	.000	4380.648	.000000	.000000	.000000
4527.875	164.16	-.069459	.288836	.297070	.000	3765.415	.000000	.000000	.000000
4576.825	159.76	-.087845	.280177	.293626	.000	6455.990	.000000	.000000	.000000
4625.775	155.56	-.158325	.271348	.314160	63.463	4640.430	4.203498	-.086178	.000017
4674.725	144.26	-.201226	.182244	.271500	50.448	4636.019	4.285044	-.105556	.000014
4723.675	135.86	-.167518	.123649	.208210	48.353	4665.881	4.296159	-.125971	.000003
4772.625	127.86	-.147089	.110021	.183684	.000	4670.095	.000000	.000000	.000000
4821.575	121.46	-.138917	.096554	.169177	.000	4723.675	.000000	.000000	.000000
4870.525	114.26	-.130746	.086600	.156626	.000	4888.000	.000000	.000000	.000000
4919.475	108.66	-.126660	.079810	.148824	.000	4818.856	.000000	.000000	.000000
4968.425	101.86	-.116445	.071239	.136508	25.966	5018.630	4.450222	.139127	.000003
5017.375	97.26	-.118488	.064738	.146832	.000	5015.786	.000000	.000000	.000000
5066.325	90.26	-.154239	.072829	.170569	8.619	5086.681	4.548813	.116140	.000000
5115.275									

8541.775	-17.04	.001021	-.000368	.001086	.000	8532.084	.000000	.000000	.000000
8590.725	-17.24	-.011234	-.010039	.015047	59.993	8590.048	4.389707	.016852	.000000
8639.675	-18.14	-.001021	-.020352	.020378	.000	8636.970	.000000	.000000	.000000
8688.625	-17.34	.008172	-.009071	.012289	4.346	8649.285	4.583679	-.005366	-.000001
8737.575	-17.34	.000000	-.002822	.002822	.000	8781.863	.000000	.000000	.000000
8786.525	-17.34	-.002043	-.003644	.004178	.000	8849.074	.000000	.000000	.000000
8835.475	-17.54	-.007150	-.000756	.007190	47.579	8898.155	4.463393	.003314	-.000001
8884.425	-18.04	-.017365	-.007937	.019093	42.231	8926.738	4.462765	.008085	-.000003
8933.375	-19.24	-.007150	-.026873	.027808	.000	8933.995	.000000	.000000	.000000
8982.325	-18.74	.015322	-.008628	.017584	.000	8943.700	.000000	.000000	.000000
9031.275	-17.74	-.011234	.006668	.013066	.000	9054.660	.000000	.000000	.000000
9080.225	-19.84	-.011236	-.019788	.022755	.000	9058.035	.000000	.000000	.000000
9129.175	-18.84	.005107	-.003832	.006385	.000	9111.794	.000000	.000000	.000000
9178.125	-19.34	-.022472	-.000399	.022475	.000	9210.649	.000000	.000000	.000000
9227.075	-21.04	-.017365	-.033000	.037290	.000	9207.199	.000000	.000000	.000000
9276.025	-21.04	.011236	-.025041	.027464	41.919	9255.005	4.468194	-.012414	-.000003
9324.975	-19.94	.005107	-.008350	.009788	.000	9441.601	.000000	.000000	.000000
9373.925	-20.54	-.001021	-.008219	.008282	.000	8830.398	.000000	.000000	.000000
9422.875	-20.04	-.009193	-.014989	.017583	39.934	9424.507	4.477255	.010964	-.000001
9471.825	-21.44	.007150	-.025996	.026961	.000	9487.235	.000000	.000000	.000000
9520.775	-19.34	.011236	-.004456	.012087	.000	9479.928	.000000	.000000	.000000
9569.725	-20.34	-.003064	-.012658	.013024	.000	9576.940	.000000	.000000	.000000
9618.675	-19.64	.014300	-.013528	.019685	.000	9665.895	.000000	.000000	.000000
9667.625	-19.94	.006129	.007285	.009505	.000	9656.769	.000000	.000000	.000000
9716.575	-19.04	-.016343	-.003591	.016733	40.689	9744.567	4.479844	.024539	-.000002
9765.525	-20.54	-.004086	-.028444	.028754	.000	9756.659	.000000	.000000	.000000
9814.475	-19.44	.021450	-.013503	.025346	50.690	9820.170	4.443524	-.024243	-.000000
9863.425	-18.44	.004086	.008711	.009621	.000	9862.113	.000000	.000000	.000000
9912.375	-19.04	-.012257	-.010160	.015921	.000	9876.163	.000000	.000000	.000000
9961.325	-19.64	.008172	-.019880	.021494	.000	9979.935	.000000	.000000	.000000
10010.275	-18.24	.010215	.000492	.010226	.000	9980.025	.000000	.000000	.000000
10059.225	-18.64	-.005107	-.005223	.007305	.000	10111.671	.000000	.000000	.000000
10108.175	-18.74	.004086	-.011582	.012282	.000	10108.175	.000000	.000000	.000000
10157.125	-18.24	.004086	-.006128	.007365	.000	10146.368	.000000	.000000	.000000
10206.075	-18.34	.006129	-.005201	.008038	.000	10274.255	.000000	.000000	.000000
10255.025	-17.64	.000000	.001458	.001458	34.613	10255.025	4.501389	-.000000	.000001
10303.975	-18.34	-.006129	-.006533	.008958	90.520	10302.043	4.342699	.011774	.000001
10352.925	-18.24	-.004086	-.010819	.011565	.000	10368.255	.000000	.000000	.000000
10401.875	-18.74	.001021	-.020042	.020068	29.445	10401.767	4.517897	-.010204	.000001
10450.825	-18.14	.020429	-.012930	.024177	26.317	10484.117	4.526346	-.010766	.000002
10499.775	-16.74	.015322	.011773	.019323	53.407	10483.481	4.453833	-.021415	.000003
10548.725	-16.64	-.012257	-.014108	.018689	23.299	10578.561	4.535541	.025041	-.000001
10597.675	-17.94	-.020429	-.018831	.027784	.000	10566.566	.000000	.000000	.000000
10646.625	-18.64	.019408	-.021088	.028659	.000	10682.428	.000000	.000000	.000000
10695.575	-16.04	.003064	.018466	.018719	.000	10689.132	.000000	.000000	.000000
10744.525	-18.34	-.022472	-.015642	.027380	.000	10678.975	.000000	.000000	.000000
10793.475	-18.24	.012257	-.020126	.023565	.000	10754.976	.000000	.000000	.000000
10842.425	-17.14	.005107	-.002533	.005701	.000	10848.679	.000000	.000000	.000000
10891.375	-17.74	.004086	-.002698	.004896	.000	10874.732	.000000	.000000	.000000
10940.325	-16.74	-.012257	-.006407	.013831	.000	10997.229	.000000	.000000	.000000
10989.275	-18.94	.012257	-.030324	.032708	.000	11003.960	.000000	.000000	.000000
11038.225	-15.54	.026558	.013896	.029974	.000	11011.652	.000000	.000000	.000000
11087.175	-16.34	-.020429	.011736	.023560	.000	11112.943	.000000	.000000	.000000
11136.125	-17.54	-.012257	-.024511	.027405	79.523	11081.090	4.391243	.075503	.000011
11185.075	-17.54	.015322	-.026680	.030766	48.799	11216.706	4.471443	-.025465	-.000001
11234.025	-16.04	.033708	.002328	.033788	66.009	11227.305	4.436675	-.040709	.000001
11282.975	-14.24	.001021	.028584	.028602	19.928	11274.935	4.547468	-.001947	.000004
11331.925	-15.94	-.021450	.002490	.021594	87.805	11296.113	4.374691	.037734	.000013
11380.875	-16.34	-.014300	-.012621	.019073	.000	11422.856	.000000	.000000	.000000
11429.825	-17.34	-.002043	-.026881	.026959	.000	11548.498	.000000	.000000	.000000
11478.775	-16.54	.024515	-.012661	.027591	43.440	11463.725	4.489208	-.012714	-.000002
11527.725	-14.94	.008172	.011750	.014312	.000	11523.788	.000000	.000000	.000000
11576.675	-15.74	-.001021	-.003008	.003176	.000	11476.923	.000000	.000000	.000000

11625.625	-15.04	.007150	.008865	.011389	.000	11588.193	.000000	.000000	.000000
11674.575	-15.04	-.019408	.007200	.020700	.000	11709.608	.000000	.000000	.000000
11723.525	-16.94	-.010215	-.017296	.020087	.000	11705.169	.000000	.000000	.000000
11772.475	-16.04	-.003064	-.008483	.009020	.000	11444.842	.000000	.000000	.000000
11821.425	-17.24	-.005107	-.021122	.021730	.000	11655.325	.000000	.000000	.000000
11870.375	-16.54	.018386	-.018257	.025911	.000	11892.898	.000000	.000000	.000000
11919.325	-15.44	.017365	.006043	.018386	42.586	11890.151	4.494224	-.014224	-.000001
11968.275	-14.84	-.002043	.009796	.010006	43.389	11972.928	4.494122	.012299	.000003
12017.225	-15.64	-.008172	-.002566	.008565	.000	11971.899	.000000	.000000	.000000
12066.175	-15.64	.000000	-.007929	.007929	.000	12092.669	.000000	.000000	.000000
12115.125	-15.64	.000000	.005214	.005214	.000	12081.986	.000000	.000000	.000000
12164.075	-15.64	-.024515	-.009434	.026267	.000	12231.251	.000000	.000000	.000000
12213.025	-18.04	.010215	-.037054	.038436	.000	12220.673	.000000	.000000	.000000
12261.975	-14.64	.024515	.004969	.025013	.000	12221.856	.000000	.000000	.000000
12310.925	-15.64	.000000	.003557	.003557	.000	12362.223	.000000	.000000	.000000
12359.875	-14.64	.000000	.005097	.005097	.000	.000	.000000	.000000	.000000
12408.825	-15.64	-.008172	-.008581	.011849	.000	.000	.000000	.000000	.000000
12457.775	-15.44	.005107	-.003902	.006427	.000	.000	.000000	.000000	.000000

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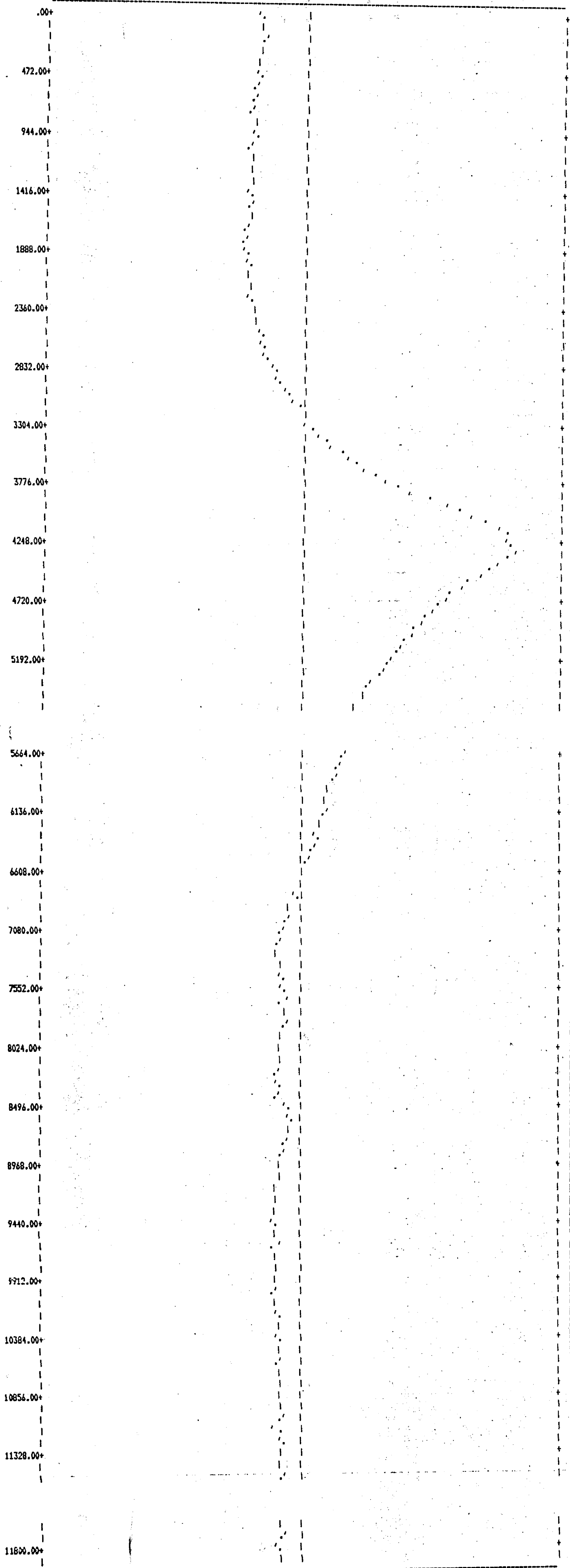
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 START EASTING = 668037.0 START NORTHING = 8536762.0
 START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH	MAGNETIC HORIZ-DIST.	BIP	MAGNETIC OFF-SET	SUSCEPT.
21.000	-30.30	.000000	-.017140	.017140	.000	.000	.000000	.000000	.000000
70.800	-28.30	.027542	.011560	.029870	.000	.000	.000000	.000000	.000000
118.000	-27.70	-.002119	.015945	.016085	.000	.000	.000000	.000000	.000000
165.200	-28.50	.006356	.001357	.006499	.000	-72.945	.000000	.000000	.000000
212.400	-27.10	-.009534	.021513	.023531	.000	221.477	.000000	.000000	.000000
259.600	-29.40	-.020127	-.008882	.022000	.000	202.346	.000000	.000000	.000000
306.800	-29.00	-.003178	-.004021	.005125	.000	303.582	.000000	.000000	.000000
354.000	-29.70	-.011653	-.005350	.012822	.000	406.529	.000000	.000000	.000000
401.200	-30.10	-.008475	-.011104	.013969	.000	452.381	.000000	.000000	.000000
448.400	-30.50	-.001059	-.018045	.019076	33.424	496.917	2.828681	-.016412	.000002
495.600	-30.00	-.019068	.001754	.019148	38.965	535.554	2.549418	-.028225	.000012
542.800	-28.70	-.010593	.011092	.032847	.000	547.837	.000000	.000000	.000000
590.000	-31.00	-.048729	-.005502	.049038	36.059	569.774	2.649071	.020057	.000005
637.200	-31.30	-.009534	-.038479	.039643	.000	645.972	.000000	.000000	.000000
684.400	-31.90	.004237	-.003246	.005338	21.027	652.834	3.646319	-.043708	-.000063
731.600	-32.90	-.026483	-.002619	.026612	.000	754.285	.000000	.000000	.000000
778.800	-34.40	-.033898	-.041829	.053840	43.804	773.327	3.050243	.038026	-.000008
826.000	-36.10	.028602	-.061385	.067721	.000	847.477	.000000	.000000	.000000
873.200	-31.70	.042373	.019345	.046580	.000	843.160	.000000	.000000	.000000
920.400	-32.10	-.029661	.009752	.031223	.000	1017.773	.000000	.000000	.000000
967.600	-34.50	.000000	-.027804	.027804	.000	993.248	.000000	.000000	.000000
1014.800	-32.10	-.001059	-.006506	.006592	.000	992.869	.000000	.000000	.000000
1062.000	-34.60	-.031780	-.018927	.036989	.000	1109.477	.000000	.000000	.000000
1109.200	-35.10	.002119	-.047395	.047442	.000	1110.708	.000000	.000000	.000000
1156.400	-34.40	-.028602	-.013812	.031762	38.565	1127.938	3.594535	-.028619	-.000005
1203.600	-32.40	.000000	.006320	.006320	.000	1204.801	.000000	.000000	.000000
1250.800	-34.40	-.011653	-.013727	.018006	70.272	1213.428	2.882416	.036009	.000010
1298.000	-33.50	.001059	-.021576	.021602	.000	1307.183	.000000	.000000	.000000
1345.200	-34.30	.011653	-.006908	.013546	39.181	1340.354	3.792143	-.022495	.000002
1392.400	-32.40	-.015890	.006195	.017055	.000	1413.287	.000000	.000000	.000000
1439.600	-35.80	-.022246	-.034371	.040942	.000	1408.132	.000000	.000000	.000000
1486.800	-34.50	.016949	-.024215	.029557	.000	1518.725	.000000	.000000	.000000
1534.000	-34.20	-.008475	-.004318	.009511	.000	1585.025	.000000	.000000	.000000
1581.200	-35.30	-.001059	-.012818	.032835	.000	1572.976	.000000	.000000	.000000
1628.400	-34.30	.021184	-.001309	.021227	18.384	1667.281	4.282863	-.021950	.000005
1675.600	-33.30	-.027542	.017276	.032512	.000	1690.836	.000000	.000000	.000000
1722.800	-36.90	-.046610	-.041163	.062185	.000	1689.468	.000000	.000000	.000000
1770.000	-37.70	.010593	-.051640	.052716	.000	1797.471	.000000	.000000	.000000
1817.200	-35.90	-.003178	-.007956	.008567	.000	1807.314	.000000	.000000	.000000
1864.400	-38.00	-.028602	-.045201	.053496	41.665	1875.517	3.976280	.025988	-.000003
1911.600	-38.60	.008475	-.059679	.060278	.000	1643.791	.000000	.000000	.000000
1958.800	-37.20	.025424	-.046885	.053317	.000	1919.311	.000000	.000000	.000000
2006.000	-36.20	.038136	-.017553	.041981	44.632	2008.787	3.971971	-.012378	.000004
2053.200	-33.60	-.004237	-.002738	.005045	.000	2069.371	.000000	.000000	.000000
2100.400	-36.60	-.015890	-.044042	.046821	.000	2067.945	.000000	.000000	.000000
2147.600	-35.10	.023305	-.043764	.049583	.000	2171.652	.000000	.000000	.000000
2194.800	-34.40	.015890	-.017222	.023432	.000	2174.251	.000000	.000000	.000000
2242.000	-33.60	-.004237	-.026507	.026843	39.852	2271.181	4.105222	.032929	-.000002
2289.200	-34.80	.004237	-.049055	.049238	.000	2296.677	.000000	.000000	.000000
2336.400	-33.20	.029661	-.040759	.050409	42.704	2355.084	4.142168	-.011155	.000000
2383.600	-32.00	.020127	-.017767	.026847	39.309	2356.099	4.162602	-.009617	.000000
2430.800	-31.30	-.001059	-.024611	.024634	47.958	2473.665	4.051813	.045691	.000004
2478.000	-32.10	-.006356	-.052844	.053225	66.777	2482.834	3.842046	.061639	-.000009
2525.200	-31.90	.036017	-.073633	.081970	.000	2543.778	.000000	.000000	.000000
2572.400	-28.70	.0060391	-.019481	.063446	.000	2539.036	.000000	.000000	.000000
2619.600	-26.20	.005297	-.008766	.010242	.000	2630.043	.000000	.000000	.000000
2666.800	-28.20	.011653	-.048917	.050285	.000	2633.849	.000000	.000000	.000000
2714.000	-25.10	.022246	-.038767	.044696	.000	2836.768	.000000	.000000	.000000
2761.200	-26.10	.022246	-.058435	.062527	.000	2715.721	.000000	.000000	.000000
2808.400	-23.00	.052866	-.045991	.070147	17.715	2809.005	4.416458	.024412	-.000001
2855.600	-21.10	.033898	-.026759	.043187	.000	2845.064	.000000	.000000	.000000
2902.800	-19.80	.028602	-.046138	.054284	89.672	2881.744	3.601800	.081244	.000002
2950.000	-18.40	.043432	-.052449	.068097	24.299	2951.077	4.362116	.042109	-.000002
2997.200	-15.70	.057203	-.043918	.072118	.000	2891.568	.000000	.000000	.000000
3044.400	-13.00	.050847	-.031742	.061583	.000	3139.258	.000000	.000000	.000000
3091.600	-10.90	.057203	-.044260	.072327	.000	3090.982	.000000	.000000	.000000
3138.800	-7.60	.067797	-.029121	.073786	17.147	3110.021	4.439447	.053310	-.000001
3186.000	-4.50	.058263	-.023652	.062880	.000	3216.082	.000000	.000000	.000000
3233.200	-2.10	.056144	-.021838	.060242	.000	3187.686	.000000	.000000	.000000
3280.400	.80	.045551	-.027962	.053449	5.779	3313.271	4.548277	.061214	-.000001
3327.600	2.20	.051902	-.042968	.067381	.000	3383.278	.000000	.000000	.000000
3374.800	5.70	.064619	-.059939	.082282	61.791	3457.566	4.098874	.032123	.000004
3422.000	9.30	.087924	-.046598	.099509	.000	3206.587	.000000	.000000	.000000
3469.200	14.00	.087924	-.029549	.092756	.000	3376.042	.000000	.000000	.000000
3516.400	16.60	.094280	-.034178	.100284	.000	3544.627	.000000	.000000	.000000
3563.600	22.90	.097458	-.014293	.098500	.000	3393.419	.000000	.000000	.000000
3610.800	25.80	.082627	-.031624	.088472	.000	3770.027	.000000	.000000	.000000
3658.000	30.70	.120763	-.040472	.127364	.000	3654.658	.000000	.000000	.000000
3705.200	37.20	.130297	-.009016	.130608	.000	3660.302	.000000	.000000	.000000
3752.400	43.00	.120763	-.004809	.120858	.000	3781.416	.000000	.000000	.000000
3799.600	48.60	.123941	-.016930	.125092	99.952	3852.700	3.854944	.197828	-.000038
3846.800	54.70	.163134	-.031881	.166222	69.743	3863.763	4.079537	.156945	-.000020
3894.000	64.00	.219280	-.009669	.218493	78.510	3882.448	4.013140	.127886	-.000019
3941.200	75.40	.220339	-.078014	.233742	101.959	3867.381	3.834867	.086726	-.000042
3988.400	84.80	.197034	-.116200	.228746	101.347	3934.259	3.892016	.148453	.000006
4035.600	94.00	.174788	-.141818	.225085	.000	3873.445	.000000	.000000	.000000
4082.800	101.30	.162076	-.156518	.225315	.000	4027.733	.000000	.000000	.000000
4130.000	109.30	.152542	-.194199	.246946	.000	4256.562	.000000	.000000	.000000
4177.200	115.70	.108051	-.225836	.250354	119.620	4134.796	3.785576	.028109	.000032
4224.400	119.50	.063559	-.228629	.237299	150.169	4189.259	3.569092	.093801	.000076
4271.600	121.70	.037076	-.216914	.220059	.000	4180.463	.000000	.000000	.000000
4318.800	123.00	.027542	-.231227	.232862	.000	4337.488	.000000	.000000	.000000
4366.000	124.30	-.029661	-.249190	.250949	91.024	4347.759	4.000810	-.052959	.000033
4413.200	120.20	-.079449	-.212879	.227222	.000	4257.344	.000000	.000000	.000000
4460.400	116.80	-.094280	-.183488	.206292	.000	4312.802	.000000	.000000	.000000
4507.600	111.30	-.118644	-.162306	.201046	86.608	4554.587	4.127866	-.055867	-.000001
4554.800	105.60	-.134534	-.115590	.177371	.000	4508.900	.000000	.000000	.000000
4602.000	98.60	-.114407	-.085784	.142996	.000	4624.927	.000000	.000000	.000000
4649.200	94.80	-.116525	-.075288	.138732	.000	4685.016	.000000	.000000	.000000
4696.400	87.60	-.108051	-.042482	.116102	82.821	4735.040	4.096697	-.088962	-.000014
4743.600	84.60	-.078399	-.030396	.084077	52.557	4769.646	4.277637	-.117993	-.000003
4790.800	80.20	-.058263	-.049130	.076212	.000	4746.559	.000000	.000000	.000000
4838.00									

8236.400	-14.50	-.020127	-.011786	.023324	58.456	8284.359	4.396591	.031180	-.000008
8283.600	-15.40	-.014831	-.038931	.041660	.000	8275.859	.000000	.000000	.000000
8330.800	-15.90	-.027542	-.035694	.045085	.000	8357.565	.000000	.000000	.000000
8378.000	-12.90	-.010593	.011804	.015860	.000	8371.777	.000000	.000000	.000000
8425.200	-14.90	-.027542	-.032178	.042356	35.403	8443.931	4.478278	.050317	-.000005
8472.400	-15.40	-.037076	-.058983	.069668	.000	8476.148	.000000	.000000	.000000
8519.600	-11.40	-.060381	.000849	.060387	.000	8476.206	.000000	.000000	.000000
8566.800	-9.70	-.030720	.020200	.036767	.000	8599.031	.000000	.000000	.000000
8614.000	-8.50	-.027542	.027947	.039238	.000	8269.947	.000000	.000000	.000000
8661.200	-7.10	-.005297	.045078	.045388	31.784	8680.652	4.492793	.027273	.000003
8708.400	-9.00	-.024364	.006467	.025208	.000	8636.804	.000000	.000000	.000000
8755.600	-9.40	-.006356	.011170	.012852	.000	8615.458	.000000	.000000	.000000
8802.800	-0.40	-.027542	.029580	.040418	.000	8816.743	.000000	.000000	.000000
8850.000	-12.00	-.034958	-.013392	.037435	.000	8818.868	.000000	.000000	.000000
8897.200	-11.70	-.006356	-.013462	.014887	26.988	8863.835	4.510894	-.015707	-.000002
8944.400	-12.60	-.008475	-.004258	.009484	.000	8911.441	.000000	.000000	.000000
8991.600	-12.50	-.010593	-.004327	.011443	53.954	9141.080	4.428635	.009182	-.000013
9038.800	-13.60	-.010593	-.012143	.016114	.000	8970.775	.000000	.000000	.000000
9086.000	-13.50	.004237	-.003442	.005459	.000	9163.237	.000000	.000000	.000000
9133.200	-13.20	-.019668	.016601	.021817	.000	9148.078	.000000	.000000	.000000
9180.400	-15.30	-.025424	-.020336	.032556	.000	9150.507	.000000	.000000	.000000
9227.600	-15.60	-.002119	-.019512	.019626	.000	9410.276	.000000	.000000	.000000
9274.800	-15.50	-.004237	-.011903	.012634	.000	9260.842	.000000	.000000	.000000
9322.000	-16.00	-.001059	-.010425	.010479	.000	9380.410	.000000	.000000	.000000
9369.200	-15.60	-.007415	-.002972	.007989	.000	9377.686	.000000	.000000	.000000
9416.400	-16.70	-.021186	-.015223	.026088	34.436	9454.625	4.493234	.011163	-.000004
9463.600	-17.60	.000000	-.038567	.038567	.000	9468.894	.000000	.000000	.000000
9510.800	-16.70	-.024364	-.008484	.025799	.000	9417.356	.000000	.000000	.000000
9558.000	-15.30	-.004237	.000119	.004239	.000	9568.335	.000000	.000000	.000000
9605.200	-17.10	.009534	-.008831	.012996	.000	9238.825	.000000	.000000	.000000
9652.400	-14.40	-.012712	-.014683	.019421	.000	9667.273	.000000	.000000	.000000
9699.600	-18.30	-.026483	-.031132	.040872	.000	9669.418	.000000	.000000	.000000
9746.800	-16.90	.020127	-.027279	.033900	.000	9749.503	.000000	.000000	.000000
9794.000	-16.40	.006356	.000213	.006359	.000	9788.100	.000000	.000000	.000000
9841.200	-16.30	.001059	-.011223	.011273	.000	9788.100	.000000	.000000	.000000
9888.400	-16.30	.004237	-.005586	.007013	.000	9884.889	.000000	.000000	.000000
9935.600	-15.90	.001059	-.008943	.009006	.000	9956.184	.000000	.000000	.000000
9982.800	-16.20	.005297	-.001796	.005593	.000	9982.640	.000000	.000000	.000000
10030.000	-15.40	-.013771	-.004320	.014433	.000	10091.177	.000000	.000000	.000000
10077.200	-17.50	.003178	-.029223	.029396	.000	10083.664	.000000	.000000	.000000
10124.400	-15.10	.019068	.003470	.019381	.000	10024.584	.000000	.000000	.000000
10171.600	-15.70	-.019068	-.004189	.019522	.000	10363.776	.000000	.000000	.000000
10218.800	-16.90	.010593	-.032634	.034310	.000	10220.805	.000000	.000000	.000000
10266.000	-14.70	.025424	.000028	.025424	104.799	10260.926	4.109354	-.078994	-.000000
10313.200	-14.50	.005297	-.014263	.015215	.000	10315.788	.000000	.000000	.000000
10360.400	-14.20	-.023305	.000166	.023306	60.589	10383.511	4.431916	.057263	-.000006
10407.600	-16.70	.003178	-.041569	.041691	.000	10406.445	.000000	.000000	.000000
10454.800	-13.90	.043432	.008624	.043437	52.085	10456.815	4.472684	-.043652	.000000
10502.000	-12.60	.005297	.031164	.031611	61.424	10432.220	4.428471	-.070166	-.000009
10549.200	-13.40	-.023305	.018893	.030001	.000	10310.101	.000000	.000000	.000000
10596.400	-14.80	-.038136	-.019074	.042640	45.689	10586.240	4.475692	.028356	-.000002
10643.600	-17.00	.007415	-.042992	.043627	.000	10648.143	.000000	.000000	.000000
10690.800	-14.10	.022246	-.004366	.022670	.000	10646.973	.000000	.000000	.000000
10738.000	-14.90	.002119	-.002616	.003366	.000	10774.379	.000000	.000000	.000000
10785.200	-13.90	.005297	-.008515	.010028	.000	10760.742	.000000	.000000	.000000
10832.400	-14.40	.013771	-.007633	.015745	16.899	10881.266	4.553597	-.004462	.000002
10879.600	-12.60	.011653	.015726	.019573	.000	10870.053	.000000	.000000	.000000
10926.800	-13.30	-.021186	.003635	.021403	.000	10957.837	.000000	.000000	.000000
10974.000	-14.60	.003178	-.024314	.024520	.000	10974.568	.000000	.000000	.000000
11021.200	-13.00	.023305	.002775	.023470	87.274	11055.294	4.373093	-.089099	.000018
11068.400	-12.40	-.004237	.033602	.033868	.000	11072.465	.000000	.000000	.000000
11115.600	-13.40	-.059322	-.007888	.059644	44.045	11132.893	4.485206	.057189	-.000006
11162.800	-18.00	.005297	-.073258	.073449	.000	11161.964	.000000	.000000	.000000

11210.000	-12.90	.052966	-.004427	.053151	.000	11166.261	.000000	.000000	.000000
11257.200	-13.00	.013771	.016518	.021505	.000	11299.920	.000000	.000000	.000000
11304.400	-11.60	.005297	.017508	.018292	.000	11219.280	.000000	.000000	.000000
11351.600	-12.50	-.013771	.011934	.018224	67.392	11372.179	4.426780	.017833	.000002
11398.800	-12.90	-.020127	-.002996	.020349	233.931	11465.032	4.022027	.248530	-.000113
11446.000	-14.40	-.006356	-.028946	.029635	.000	11454.715	.000000	.000000	.000000
11493.200	-13.50	.028602	-.003182	.028778	38.620	11508.514	4.502410	-.034628	.000002
11540.400	-11.70	-.008475	.026020	.027365	.000	11544.963	.000000	.000000	.000000
11587.600	-14.30	-.031780	-.011875	.033926	74.403	11580.683	4.309688	.072069	.000000
11634.800	-14.70	.003178	-.037809	.037942	.000	11638.759	.000000	.000000	.000000
11682.000	-14.00	.034958	-.003476	.035130	75.744	11690.233	4.415685	-.083075	.000004
11729.200	-11.40	.001059	.034064	.034080	.000	11729.457	.000000	.000000	.000000
11776.400	-13.90	-.042373	-.001371	.042395	32.657	11752.107	4.518293	.630418	.000004
11823.600	-15.40	-.001059	-.040329	.040343	25.294	11787.717	4.536976	.015128	-.000001
11870.800	-14.00	.012712	-.004366	.013441	.000	11812.692	.000000	.000000	.000000
11918.000	-14.20	.014831	-.017333	.022812	.000	.000	.000000	.000000	.000000
11965.200	-12.60	.019068	.043209	.047229	.000	.000	.000000	.000000	.000000
12012.400	-12.40	-.034958	.002207	.035027	.000	.000	.000000	.000000	.000000



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INPUT PARAMETERS
DECLIN=48.4100000 LX= 256 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
DIP = 90.0 STRIKE = 2.0
START EASTING = 648037.0 START NORTHING = 8536467.0
START ELEVATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH	MAGNETIC HORIZ-DIST.	DIP	MAGNETIC OFF-SET	RISE/118.
24.205	-22.20	.000000	-.009561	.009561	.000	.000	.000000	.000000	.000000
72.615	-21.10	.010328	.029274	.031043	.000	.000	.000000	.000000	.000000
121.025	-21.20	-.017558	.009336	.019886	.000	.000	.000000	.000000	.000000
169.435	-22.80	-.007230	-.007461	.010389	.000	147.917	.000000	.000000	.000000
217.845	-21.90	.008263	-.002937	.008769	53.320	178.112	-4.063438	-.006061	.000004
266.255	-22.00	.006197	.009623	.011446	.000	277.596	.000000	.000000	.000000
314.665	-21.30	.003099	.018940	.019192	.000	405.834	.000000	.000000	.000000
363.075	-21.70	-.015493	.025592	.029916	.000	457.312	.000000	.000000	.000000
411.485	-22.80	-.033051	.022923	.040222	.000	200.773	.000000	.000000	.000000
459.895	-24.90	-.064036	-.012293	.065206	44.670	482.253	2.082229	.011136	-.000014
508.305	-29.00	-.013427	-.059538	.061033	.000	508.404	.000000	.000000	.000000
556.715	-26.20	.018591	-.013094	.022739	.000	501.725	.000000	.000000	.000000
605.125	-27.20	-.006197	-.004751	.007809	.000	660.343	.000000	.000000	.000000
653.535	-26.80	-.004131	-.012555	.013217	.000	637.125	.000000	.000000	.000000
701.945	-27.60	.003099	-.007700	.008300	.000	745.514	.000000	.000000	.000000
750.355	-26.50	-.007230	.004366	.008415	16.398	744.057	3.970205	-.010636	.000002
798.765	-28.30	-.018591	-.007344	.019989	94.773	833.344	1.789792	.025939	-.000010
847.175	-28.30	-.015493	-.018562	.024178	.000	833.344	.000000	.000000	.000000
895.585	-29.80	.002066	-.018925	.019038	.000	665.001	.000000	.000000	.000000
943.995	-28.10	-.014460	-.000362	.014464	.000	970.843	.000000	.000000	.000000
992.405	-31.20	-.012394	-.040612	.042461	.000	966.331	.000000	.000000	.000000
1040.815	-29.30	.027887	-.000565	.027893	.000	1077.975	.000000	.000000	.000000
1089.225	-28.50	-.042347	.006796	.042889	.000	1155.895	.000000	.000000	.000000
1137.635	-33.40	-.008263	-.063981	.064512	.000	1129.206	.000000	.000000	.000000
1186.045	-29.30	.034084	-.012208	.036204	.000	1061.085	.000000	.000000	.000000
1234.455	-30.10	-.001033	-.007342	.007416	.000	1234.826	.000000	.000000	.000000
1282.865	-29.40	.019624	-.007583	.021038	.000	1853.411	.000000	.000000	.000000
1331.275	-28.20	-.007230	.019768	.021049	.000	1332.475	.000000	.000000	.000000
1379.685	-30.10	-.029952	-.011946	.032247	85.963	1356.995	3.371494	.024520	.000006
1428.095	-31.10	-.009296	-.028890	.030270	.000	1422.397	.000000	.000000	.000000
1476.505	-31.60	.004131	-.018717	.019168	77.923	1446.521	3.003304	-.035774	-.000007
1524.915	-30.70	-.004131	-.007316	.008402	.000	1524.163	.000000	.000000	.000000
1573.325	-31.40	-.013427	-.018565	.022911	.000	1494.255	.000000	.000000	.000000
1621.735	-32.00	.001033	-.022974	.022998	.000	1661.184	.000000	.000000	.000000
1670.145	-31.30	-.005164	-.004056	.006567	.000	1660.561	.000000	.000000	.000000
1718.555	-32.50	-.029952	-.023399	.038009	8.780	1756.507	4.455405	.010928	-.000003
1766.965	-34.20	-.004131	-.052013	.052195	.000	1761.497	.000000	.000000	.000000
1815.375	-32.90	.026854	-.030171	.040391	81.442	1842.378	3.413871	-.074468	.000009
1863.785	-31.60	.012394	.006977	.014223	5.647	1850.822	4.511120	-.020461	.000003
1912.195	-31.70	-.033051	-.002860	.033175	50.110	1925.454	3.817726	.031472	.000003
1960.605	-34.80	-.028920	-.047593	.055690	60.090	1923.085	3.656462	.040478	.000005
2009.015	-34.50	.002066	-.054250	.054289	48.663	2020.346	3.899968	-.024812	.000006
2057.425	-32.80	.017558	-.037157	.041115	17.261	2015.724	4.352084	-.013255	-.000003
2105.835	-32.60	.001033	-.033548	.033531	.000	2122.092	.000000	.000000	.000000
2154.245	-34.50	.004131	-.048491	.048667	.000	2135.295	.000000	.000000	.000000
2202.655	-33.20	.023755	-.048590	.054086	21.580	2198.354	4.316546	.008494	-.000002
2251.065	-32.20	.022723	-.026666	.036532	.000	2231.793	.000000	.000000	.000000
2299.475	-31.00	.016526	-.032947	.036859	.000	2358.507	.000000	.000000	.000000
2347.885	-30.60	.024788	-.022650	.033529	.000	2441.266	.000000	.000000	.000000
2396.295	-28.60	.002066	-.016467	.016596	.000	2414.306	.000000	.000000	.000000
2444.705	-30.80	.003099	-.049078	.049176	85.844	2403.764	3.528559	.056052	.000007
2493.115	-28.90	.014460	-.052193	.054159	.000	2585.336	.000000	.000000	.000000
2541.525	-29.40	.027887	-.061062	.067128	.000	2417.822	.000000	.000000	.000000
2589.935	-26.20	.051642	-.039500	.065016	38.918	2574.082	4.157212	.013718	.000002
2638.345	-24.40	.030985	-.020745	.037288	.000	2630.277	.000000	.000000	.000000
2686.755	-23.20	.022723	-.034122	.040995	84.726	2630.277	3.668290	.051517	.000010
2735.165	-22.20	.026854	-.039526	.047785	30.772	2704.250	4.319495	.033726	.000000
2783.575	-20.60	.032018	-.042566	.053264	.000	3255.572	.000000	.000000	.000000
2831.985	-19.10	.033051	-.043302	.054474	.000	2825.554	.000000	.000000	.000000
2880.395	-17.40	.040281	-.055463	.068547	51.803	2928.093	4.084802	.035512	.000003
2928.805	-15.20	.064036	-.048946	.088600	52.178	2920.003	4.082112	.038323	.000004
2977.215	-11.20	.060938	-.028951	.067465	.000	2950.776	.000000	.000000	.000000
3025.625	-9.30	.052675	-.032586	.061939	33.452	3066.773	4.267373	.069304	.000002
3074.035	-6.10	.054741	-.040223	.067930	97.439	3079.091	3.709741	.091905	.000009
3122.445	-4.00	.072299	-.048186	.086885	78.033	3115.110	3.881150	.071540	.000008
3170.855	.90	.086759	-.031169	.092188	.000	2990.141	.000000	.000000	.000000
3219.265	4.40	.087792	-.028468	.092292	.000	3188.854	.000000	.000000	.000000
3267.675	9.40	.102252	-.011860	.102937	.000	3324.548	.000000	.000000	.000000
3316.085	14.30	.089857	-.004252	.089958	.000	3309.361	.000000	.000000	.000000
3364.495	18.10	.113613	.000054	.113613	.000	3443.646	.000000	.000000	.000000
3412.905	25.30	.093989	.042364	.103095	.000	3415.442	.000000	.000000	.000000
3461.315	27.20	.072299	.010839	.073107	.000	3255.545	.000000	.000000	.000000
3509.725	32.30	.108449	.027958	.111994	.000	3510.496	.000000	.000000	.000000
3558.135	37.70	.073332	.046438	.086799	.000	3428.222	.000000	.000000	.000000
3606.545	39.40	.095022	.022023	.097540	.000	3618.339	.000000	.000000	.000000
3654.955	46.90	.103284	.074201	.127220	44.567	3649.185	4.252400	.051027	.000004
3703.365	49.40	.059905	.078788	.098906	.000	2747.258	.000000	.000000	.000000
3751.775	52.70	.049577	.089696	.085530	.000	3724.480	.000000	.000000	.000000
3800.185	54.20	.038215	.052763	.065149	.000	3713.932	.000000	.000000	.000000
3848.595	56.40	.053708	.048035	.072055	.000	3872.772	.000000	.000000	.000000
3897.005	59.40	.043478	.043879	.063919	.000	3789.431	.000000	.000000	.000000
3945.415	60.90	.085726	.037039	.093386	.000	3971.402	.000000	.000000	.000000
3993.825	67.70	.084693	.098361	.129799	.000	3971.240	.000000	.000000	.000000
4042.235	69.10	.041314	.089128	.098238	.000	4127.248	.000000	.000000	.000000
4090.645	71.70	.059905	.088099	.106537	.000	3997.159	.000000	.000000	.000000
4139.055	74.90	.039248	.110438	.117204	.000	3874.470	.000000	.000000	.000000
4187.465	75.50	.032018	.102903	.107769	.000	4168.370	.000000	.000000	.000000
4235.875	78.00	.026854	.122374	.125286	.000	4338.458	.000000	.000000	.000000
4284.285	78.10	.002066	.134226	.134242	85.387	4300.285	4.022863	.023346	.000019
4332.695	77.80	-.039248	.123195	.129296	79.994	4292.080	4.064007	-.006942	.000017
4381.105	74.30	-.045445	.089672	.100530	.000	4356.018	.000000	.000000	.000000
4429.515	73.40	-.040281	.093580	.101882	.000	4322.604	.000000	.000000	.000000
4477.925	70.40	-.067135	.082116	.106667	.000	4487.014	.000000	.000000	.000000
4526.335	66.90	-.063004	.085273	.088216	.000	4511.429	.000000	.000000	.000000
4574.745	64.30	-.054781	.090428	.074428	.000	5125.768	.000000	.000000	.000000
4623.155	61.60	-.064036	.041081	.076081	.000	4717.602	.000000	.000000	.000000
4671.565	58.10	-.055774	.019833	.059195	.000	4661.683	.000000	.000000	.000000
4719.975	56.20	-.045445	.021439	.050248	.000	4933.134	.000000	.000000	.000000
4768.385	53.70	-.048544	.004308	.048734	.000	4487.877	.000000	.000000	.000000
4816.795	51.50	-.013427	-.002302	.013623	13.107	4826.208	4.520138	-.039019	.000002
4865.205	52.40	-.011361	.028949	.031099	.000	4832.630	.000000	.000000	.000000
4913.615	50.40	-.027887	.023514	.036477	.000	4936.529	.000000	.000000	.000000
4962.025	49.70	-.023755	.016504	.028671	.000	5029.993	.000000	.000000	.000000
5010.435	48.10	-.014460	.009524	.0267315	52.369	5027.431	4.306509	-.035491	.000002
5058.845	48.30	.002066</							

8447.545	-13.20	-.006197	-.020310	.021235	66.287	8463.789	4.374422	.020313	-.000005
8495.955	-13.20	.013427	-.025204	.028557	29.786	8503.324	4.497626	.002919	-.000002
8544.365	-11.90	.024788	-.007746	.025970	123.031	8549.000	4.240170	-.056300	.000001
8592.775	-10.80	.014460	.011440	.018438	.000	8587.801	.000000	.000000	.000000
8641.185	-10.50	-.006197	.004671	.007760	.000	8588.374	.000000	.000000	.000000
8689.595	-11.40	.002066	-.007708	.007980	.000	8679.221	.000000	.000000	.000000
8738.005	-10.30	.004131	-.000498	.004161	.000	8741.163	.000000	.000000	.000000
8786.415	-11.00	.004131	-.000829	.004214	.000	7750.775	.000000	.000000	.000000
8834.825	-9.90	.001033	.006010	.006098	143.195	8907.440	4.137567	-.012910	.000014
8883.235	-10.90	-.007230	.005466	.009063	43.120	8933.919	4.460732	.008839	-.000001
8931.645	-10.60	-.018591	-.004716	.019180	50.898	8948.055	4.435829	.013007	-.000003
8980.055	-12.70	.001033	-.024662	.024684	.000	8993.210	.000000	.000000	.000000
9028.465	-10.50	.013427	.006306	.014834	.000	8968.466	.000000	.000000	.000000
9076.875	-11.40	-.017558	-.000565	.017567	.000	9070.470	.000000	.000000	.000000
9125.285	-12.20	.004131	-.016413	.016925	.000	9168.939	.000000	.000000	.000000
9173.695	-11.00	.000000	.006867	.006867	.000	9157.738	.000000	.000000	.000000
9222.105	-12.20	-.016526	-.009426	.019025	29.192	9222.105	-175.401193	.006009	-.000000
9270.515	-12.60	.000000	-.018820	.018820	7.029	9242.971	4.576351	.003419	-.000000
9318.925	-12.20	.004131	-.009926	.010752	.000	9279.192	.000000	.000000	.000000
9367.335	-12.20	.004131	-.010179	.010986	.000	9355.453	.000000	.000000	.000000
9415.745	-11.80	.007230	-.004874	.008719	.000	9439.950	.000000	.000000	.000000
9464.155	-11.50	.001033	-.002546	.002748	.000	9149.516	.000000	.000000	.000000
9512.565	-11.70	.004131	-.007260	.008353	.000	9526.266	.000000	.000000	.000000
9560.975	-11.10	.005164	.004105	.006597	.000	9485.235	.000000	.000000	.000000
9609.385	-11.20	-.011361	-.003771	.011971	.000	9618.857	.000000	.000000	.000000
9657.795	-12.20	.010328	-.014957	.018176	.000	9693.002	.000000	.000000	.000000
9706.205	-10.20	.005164	.016281	.017080	.000	9691.506	.000000	.000000	.000000
9754.615	-11.70	-.019624	-.005361	.020343	.000	9837.027	.000000	.000000	.000000
9803.025	-12.10	.005164	-.005874	.007822	.000	9769.536	.000000	.000000	.000000
9851.435	-11.20	-.024788	.006487	.025623	.000	9881.785	.000000	.000000	.000000
9899.845	-14.50	-.019624	-.043930	.048114	.000	9885.180	.000000	.000000	.000000
9948.255	-13.10	.032018	-.027380	.042129	31.606	9950.696	4.506842	-.020509	-.000003
9996.665	-11.40	.012394	.009260	.015471	.000	9990.430	.000000	.000000	.000000
10045.075	-11.90	-.005164	-.010213	.011444	.000	10009.409	.000000	.000000	.000000
10093.485	-11.90	.015493	-.016056	.022312	.000	10110.583	.000000	.000000	.000000
10141.895	-10.40	.018591	.005992	.019533	.000	10112.196	.000000	.000000	.000000
10190.305	-10.10	.001033	.008639	.008701	.000	10245.970	.000000	.000000	.000000
10238.715	-10.30	.001033	.006007	.006095	.000	10139.444	.000000	.000000	.000000
10287.125	-10.00	-.017558	.008615	.019558	.000	10318.314	.000000	.000000	.000000
10335.535	-12.00	-.020657	-.026146	.033321	43.238	10329.429	4.478560	.021237	-.000003
10383.945	-12.00	.017558	-.030365	.035076	3.448	10396.854	4.588572	-.011233	-.000002
10432.355	-10.30	.024788	.001585	.024839	.000	10396.854	.000000	.000000	.000000
10480.765	-9.60	.001033	.008706	.008767	.000	10498.014	.000000	.000000	.000000
10529.175	-10.20	.001033	.008793	.008853	.000	10505.962	.000000	.000000	.000000
10577.585	-9.50	.014460	.001052	.014498	.000	10632.879	.000000	.000000	.000000
10625.995	-8.80	-.002066	.013120	.013281	.000	10635.788	.000000	.000000	.000000
10674.405	-9.70	-.014460	-.008371	.016708	8.826	10654.022	4.575096	.017504	-.000000
10722.815	-10.20	.014460	-.018264	.023295	.000	10746.982	.000000	.000000	.000000
10771.225	-8.30	.016526	.018210	.024591	.000	10747.359	.000000	.000000	.000000
10819.635	-8.60	-.021690	.010710	.024190	.000	10847.247	.000000	.000000	.000000
10868.045	-10.40	-.006197	-.022483	.023321	.000	10862.294	.000000	.000000	.000000
10916.455	-9.20	.017558	.001913	.017662	.000	10845.152	.000000	.000000	.000000
10964.865	-8.70	-.017558	.011259	.020858	.000	11003.875	.000000	.000000	.000000
11013.275	-10.90	-.008263	-.028156	.029343	.000	10998.263	.000000	.000000	.000000
11061.685	-9.50	.020657	-.005029	.021272	.000	10799.320	.000000	.000000	.000000
11110.095	-8.90	-.001033	.003784	.003922	.000	11106.813	.000000	.000000	.000000
11158.505	-9.60	.005164	-.003288	.006122	.000	10995.936	.000000	.000000	.000000
11206.915	-8.40	-.003099	.005786	.006563	.000	11219.161	.000000	.000000	.000000
11255.325	-9.90	-.008263	-.009534	.012617	64.542	11260.791	4.434859	.018066	-.000002
11303.735	-9.20	.006197	-.012938	.014345	.000	11309.748	.000000	.000000	.000000
11352.145	-9.30	.015493	-.002579	.015706	144.306	11444.409	4.238076	-.110162	.000059
11400.555	-7.70	.006197	.020980	.021976	.000	11401.003	.000000	.000000	.000000
11448.965	-8.70	-.033051	.002916	.033179	22.968	11476.562	4.540854	.027149	-.000003

11497.375	-10.90	.003099	-.040417	.040535	.000	11501.887	.000000	.000000	.000000
11545.785	-8.40	.033051	.010883	.034797	.000	11507.097	.000000	.000000	.000000
11594.195	-7.70	-.018591	.020088	.027371	.000	11619.753	.000000	.000000	.000000
11642.605	-10.20	-.013427	-.019046	.023303	.000	11620.911	.000000	.000000	.000000
11691.015	-9.00	.009296	-.007372	.011864	.000	11805.425	.000000	.000000	.000000
11739.425	-9.30	-.006197	-.003168	.006960	.000	11637.112	.000000	.000000	.000000
11787.835	-9.60	.011361	-.017774	.021095	.000	11806.393	.000000	.000000	.000000
11836.245	-8.20	.016526	.017188	.023844	.000	11816.915	.000000	.000000	.000000
11884.655	-8.00	-.022723	.011054	.025269	.000	11913.568	.000000	.000000	.000000
11933.065	-10.40	-.011361	-.023761	.026337	.000	11921.107	.000000	.000000	.000000
11981.475	-9.10	.018591	-.006459	.019681	.000	11903.634	.000000	.000000	.000000
12029.885	-8.60	-.014460	.012836	.019335	.000	12059.469	.000000	.000000	.000000
12078.295	-10.50	-.010328	-.034334	.035854	.000	12059.469	.000000	.000000	.000000
12126.705	-9.60	.030985	-.009519	.032414	8.712	12149.758	4.577657	-.017708	.000000
12175.115	-7.50	.011361	.015314	.019068	39.226	12141.331	4.498239	-.028823	-.000000
12223.525	-8.50	-.015493	.018055	.023791	.000	.000	.000000	.000000	.000000
12271.935	-9.00	-.022723	-.030489	.038025	.000	.000	.000000	.000000	.000000
12320.345	-10.70	-.002066	-.015351	.015489	.000	.000	.000000	.000000	.000000

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968.20+
1452.30+
1936.40+
2420.50+
2904.60+
3388.70+
3872.80+
4356.90+
4841.00+
5325.10+
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8229.70+
8713.80+
9197.90+
9682.00+
10166.10+
10650.20+
11134.30+
11618.40+
12102.50+

CR85/164

INPUT PARAMETERS
DELTA=48.5000000 LI= 256 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 448032.0 START NORTHING = 8534165.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	REAL DERIVATIVE	IMAGINARY DERIVATIVE	TOTAL REAL	DEPTH HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPTIB.
24.280	-20.35	.000000	.003020	.003020	.000	.000	.000000	.000000
72.840	-21.75	-.009267	-.033735	.034984	.000	.000	.000000	.000000
121.400	-21.25	.021623	-.017692	.023939	.000	.000	.000000	.000000
169.960	-19.45	.029860	-.014355	.033131	78.285	153.781	3.924776	.050267
218.520	-18.35	-.001030	.038354	.038368	.000	297.611	.000000	.000000
267.080	-19.75	-.023682	.035705	.042845	.000	142.303	.000000	.000000
315.640	-20.65	-.045898	.014518	.067478	54.679	321.891	-162.712677	.014890
364.200	-26.15	.039127	-.045047	.059667	.000	348.533	.000000	.000000
412.760	-24.45	-.009267	-.020423	.022427	.000	239.151	.000000	.000000
461.320	-27.05	-.015445	-.035139	.038383	.000	424.110	.000000	.000000
509.880	-25.95	.017504	-.022245	.026308	.000	526.934	.000000	.000000
558.440	-25.35	.004119	-.000644	.004169	.000	587.094	.000000	.000000
607.000	-25.55	-.002059	.001773	.002717	.000	537.358	.000000	.000000
655.560	-25.35	-.018534	-.001503	.018595	43.664	647.926	2.532142	.003891
704.120	-27.35	-.009267	-.001506	.010697	.000	708.967	.000000	.000000
752.680	-26.45	.003089	-.003204	.004451	.000	660.528	.000000	.000000
801.240	-27.65	-.019563	-.011123	.022504	.000	786.672	.000000	.000000
849.800	-28.35	-.001030	-.020967	.020993	.000	886.893	.000000	.000000
898.360	-27.75	-.005148	.000791	.005209	.000	884.888	.000000	.000000
946.920	-28.85	-.023652	-.017762	.028785	22.627	966.575	1.938115	.003873
995.480	-29.95	.003089	-.027688	.027860	.000	1010.510	.000000	.000000
1044.040	-28.35	.007208	-.003275	.007917	.000	1010.510	.000000	.000000
1092.600	-29.25	-.010297	-.001813	.010455	.000	1168.909	.000000	.000000
1141.160	-29.55	.009267	-.003223	.012454	.000	1243.971	.000000	.000000
1189.720	-30.15	-.016474	-.002829	.016599	.000	1209.371	.000000	.000000
1238.280	-31.15	-.028830	-.021453	.035936	39.610	1255.807	1.708395	.001094
1286.840	-32.95	-.002059	-.034999	.035059	.000	1305.486	.000000	.000000
1335.400	-31.35	.006178	-.003938	.007324	29.916	1315.891	4.402042	-.039104
1383.960	-32.35	-.029860	-.000720	.029869	.000	1407.384	.000000	.000000
1432.520	-34.25	-.036038	-.040973	.056052	62.137	1419.145	1.463871	.047942
1481.080	-35.85	.011326	-.058363	.059452	.000	1496.811	.000000	.000000
1529.640	-32.15	.003979	-.009382	.035250	66.977	1509.955	1.302288	-.066514
1578.200	-32.55	-.010297	.015537	.018639	.000	1579.720	.000000	.000000
1626.760	-34.15	-.036038	-.017421	.040028	47.968	1588.015	1.722780	.022543
1675.320	-36.05	-.014415	-.041302	.043745	.000	1679.599	.000000	.000000
1723.880	-35.55	-.002059	-.022812	.022905	.000	1657.598	.000000	.000000
1772.440	-36.25	-.023652	-.027908	.037353	.000	1749.231	.000000	.000000
1821.000	-37.75	-.004119	-.044419	.044629	.000	1543.553	.000000	.000000
1869.560	-36.65	-.007208	-.031418	.032227	.000	1871.910	.000000	.000000
1918.120	-38.45	.009267	-.049368	.050248	56.344	1976.985	1.779734	.007879
1966.680	-37.55	.006178	-.054344	.054694	67.192	1973.748	1.623712	.012421
2015.240	-37.85	.029860	-.051821	.059808	75.342	2059.740	1.590883	-.039446
2063.800	-34.65	.031919	-.011152	.033011	.000	2041.728	.000000	.000000
2112.360	-34.75	.006178	-.017464	.018525	.000	2175.682	.000000	.000000
2160.920	-35.25	.009267	-.030327	.031711	.000	2026.409	.000000	.000000
2209.480	-33.85	-.013386	-.014077	.019425	.000	2226.144	.000000	.000000
2258.040	-36.55	-.023682	-.041398	.045807	.000	2222.228	.000000	.000000
2306.600	-36.15	-.020593	-.059495	.062958	.000	2341.048	.000000	.000000

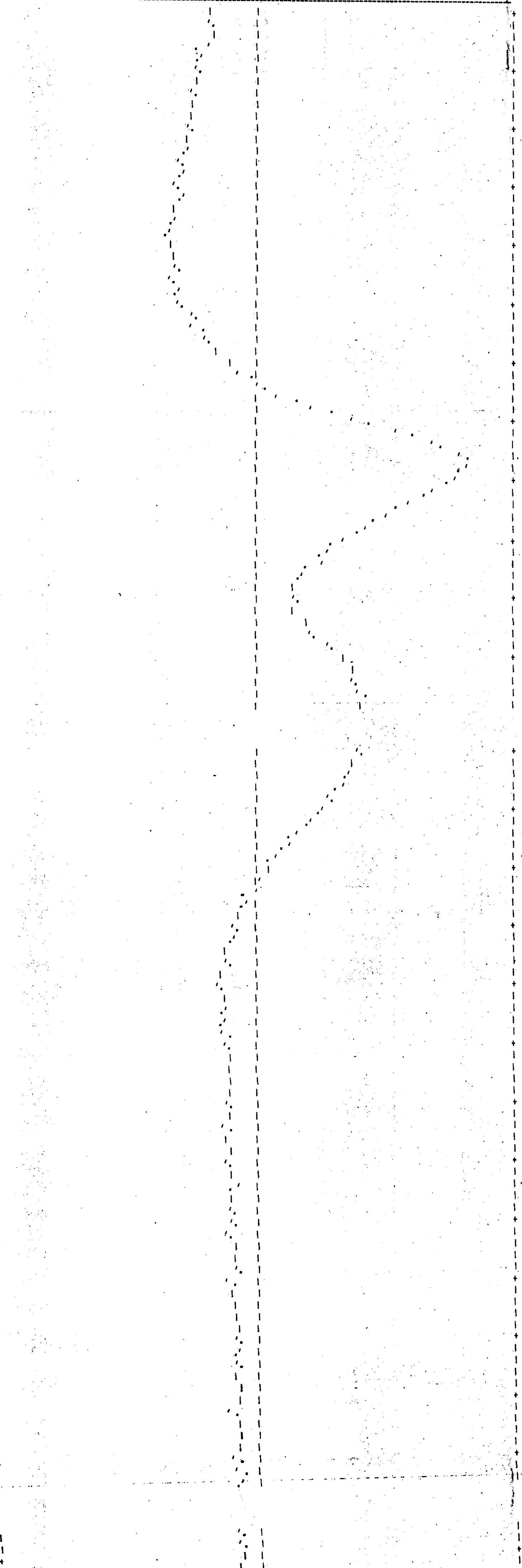
2355.160	-34.55	-.002059	-.042910	.042960	.000	2400.343	.000000	.000000
2403.720	-36.35	.010297	-.085541	.086159	15.159	2394.795	4.417328	.037216
2452.280	-33.55	.052512	-.085183	.083704	.000	2283.118	.000000	.000000
2500.840	-31.25	.047364	-.047188	.046859	.000	2500.995	.000000	.000000
2549.400	-28.95	.052512	-.024645	.058804	.000	2498.142	.000000	.000000
2597.960	-26.15	.009267	-.024700	.026381	.000	2634.989	.000000	.000000
2646.520	-28.05	.031919	-.073742	.080353	.000	2641.126	.000000	.000000
2695.080	-23.05	.060750	-.033835	.069537	.000	2468.115	.000000	.000000
2743.640	-22.15	.028830	-.040812	.049968	.000	2743.490	.000000	.000000
2792.200	-20.25	.056631	-.045113	.072401	.000	2773.778	.000000	.000000
2840.760	-16.65	.031919	-.029482	.043451	.000	2908.780	.000000	.000000
2889.320	-17.15	.042216	-.065545	.077944	.000	2874.169	.000000	.000000
2937.880	-12.55	.061778	-.046474	.077308	.000	3136.757	.000000	.000000
2986.440	-11.15	.035342	-.058343	.079188	.000	2951.193	.000000	.000000
3035.000	-7.35	.079283	-.055354	.096695	.000	3071.639	.000000	.000000
3083.560	-3.45	.070016	-.047706	.084724	.000	3176.027	.000000	.000000
3132.120	-5.55	.082372	-.045981	.105540	.000	3189.824	.000000	.000000
3180.680	4.55	.103995	-.048866	.124730	93.693	3290.104	4.125958	.031361
3229.240	9.55	.143122	-.069008	.157194	93.499	3293.624	3.759415	.089363
3277.800	18.45	.161656	-.019835	.162868	.000	3210.793	.000000	.000000
3326.360	25.25	.151359	-.010405	.151716	.000	3236.100	.000000	.000000
3374.920	33.15	.176071	-.004754	.176135	.000	3472.605	.000000	.000000
3423.480	42.35	.179160	.035433	.182630	.000	3395.284	.000000	.000000
3472.040	50.35	.198427	.063116	.198717	34.338	3472.040	-175.406776	.174526
3520.600	60.65	.179160	.100254	.205301	.000	3546.722	.000000	.000000
3569.160	67.95	.176071	.132071	.220099	.000	3684.696	.000000	.000000
3617.720	77.75	.139003	.180866	.228110	77.339	3619.099	1.985768	.139317
3666.280	81.45	.109906	.175064	.202083	.000	5148.063	.000000	.000000
3714.840	89.55	.097817	.203828	.226085	.000	3997.368	.000000	.000000
3763.400	90.95	.035008	.235099	.237691	95.584	3727.816	1.877349	-.032259
3811.960	90.95	-.020593	.211485	.212486	.000	3697.017	.000000	.000000
3860.520	88.95	-.044275	.183290	.188562	.000	3829.568	.000000	.000000
3909.080	84.65	-.058490	.172389	.182106	.000	3686.176	.000000	.000000
3957.640	83.25	-.091639	.154929	.180002	.000	6504.848	.000000	.000000
4006.200	77.75	-.098847	.112577	.156689	.000	2342.504	.000000	.000000
4054.760	73.65	-.115321	.112976	.161439	45.864	4109.460	4.280998	-.078206
4103.320	66.55	-.131796	.059143	.144580	.000	4079.237	.000000	.000000
4151.880	60.95	-.088550	.036767	.095580	.000	4152.838	.000000	.000000
4200.440	57.95	-.094728	.052565	.108335	.000	4197.188	.000000	.000000
4249.000	51.65	-.100906	.023129	.103304	.000	4147.391	.000000	.000000
4297.560	48.15	-.078254	.019599	.080671	.000	4433.969	.000000	.000000
4346.120	44.05	-.095758	.025264	.099034	.000	4357.606	.000000	.000000
4394.680	38.85	-.102965	-.013118	.103798	59.775	4399.596	4.215711	-.056577
4443.240	34.05	-.075165	-.029252	.080656	.000	4489.148	.000000	.000000
4491.800	31.55	-.061779	-.041848	.074619	.000	4426.753	.000000	.000000
4540.360	28.05	-.013386	-.028071	.031099	29.431	4567.063	4.414628	-.091549
4588.920	30.25	-.052512	.028315	.059660	.000	4590.381	.000000	.000000
4637.480	22.95	-.094728	-.041202	.103301	.000	4594.582	.000000	.000000
4686.040	21.05	-.031919	-.060168	.068108	.000	4716.392	.000000	.000000
4734.600	19.85	-.038097	-.042051	.056743	.000	5561.979	.000000	.000000
4783.160	17.35	-.020593	-.046878	.068048	124.546	4677.435	3.821134	.081378
4831.720	17.85	.000000	-.053489	.053489	97.198	4978.405	4.039283	-.141070
4880.280	17.35	.016474	-.043309	.046336	72.599	4876.059	3.973486	-.042224
4928.840	19.45	-.003089	-.014444	.014773	.000	4942.172	.000000	.000000
4977.400	17.05	-.021623	-.069239	.072536	11.521	4975.368	4.531790	.034430
5025.960	17.35	.060750	-.071600	.093899	.000	5041.468	.000000	.000000
5074.520	22.95	.049423	-.001402	.049444	.000	5057.256	.000000	.000000
5123.080	22.15	.016474	-.028720	.034391	36.916	5139.624	4.394373	.072290
5171.640	24.55	.049423	-.039600	.063331	50.417	5121.884	4.245491	.084961
5220.200	26.95	.070016	-.018737	.072480	599.637	5218.333	-.283431	-.954797
5268.760	31.35	.077224	-.068323	.077482	.000	5218.333	.000000	.000000
5317.320	34.45	.071046	.033989	.078758	55.671	5322.077	4.299164	.052536
5365.880	38.25	.046334	.046965	.065974	.000	6873.768	.000000	.000000

5414.440	38.95	.042216	.039725	.057968	.000	5431.519	.000000	.000000
5463.000	42.35	.035008	.059649	.069164	.000	5382.308	.000000	.000000
5511.560	42.35	.010297	.047324	.048431	.000	5423.905	.000000	.000000
5560.120	41.35	.019563	.039729	.044285	.000	5570.739	.000000	.000000
5608.680	44.25	.019563	.035945	.040941	.000	5596.998	.000000	.000000
5457.240	45.25	.044275	.052907	.068989	.000	5714.782	.000000	.000000
5705.800	48.55	.009267	.091775	.097242	.000	5701.787	.000000	.000000
5754.360	46.15	-.023682	.061012	.065447	29.492	5708.575	4.449010	.014568
5802.920	44.25	-.008237	.045661	.046398	.000	5800.181	.000000	.000000
5851.480	45.35	-.001030	.059487	.059496	62.643	5851.780	4.224987	-.046172
5900.040	46.15	-.027801	.072322	.077482	.000	5915.952	.000000	.000000
5948.600	42.65	-.042216	.036747	.055969	.000	5898.471	.000000	.000000
5997.160	42.05	-.010297	.036654	.038672	.000	6337.397	.000000	.000000
6045.720	41.65	-.027801	.058541	.064806	.000	6036.008	.000000	.000000
6094.280	39.35	-.035008	.039468	.052757	.000	6130.714	.000000	.000000
6142.840	38.25	-.031919	.050472	.062791	.000	6275.048	.000000	.000000
6191.400	36.25	-.064868	.036752	.074554	.000	6251.950	.000000	.000000
6239.960	31.95	-.032949	.006655	.033614	.000	6259.133	4.526496	-.063487
6288.520	33.05	-.023682	.043349	.049394	15.572	6111.970	4.433140	-.048475
6337.080	29.65	-.052512	.039794	.065887	36.395	6171.372	.000000	.000000
6385.640	27.95	-.057661	.027517	.063899	.000	6442.037	.000000	.000000
6434.200	24.05	-.055601	.010946	.056669	.000	6553.250	.000000	.000000
6482.760	22.35	-.048394	.019589	.051841	.000	6718.372	.000000	.000000
6531.320	19.35	-.063839	.000994	.063846	.000	6630.468	.000000	.000000
6579.880	14.35	-.030890	-.003227	.031058	.000	6762.417	.000000	.000000
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6725.560	9.75	-.045305	-.017403	.048532	.000	6862.688	.000000	.000000
6774.120	6.75	-.043245	-.025188	.050046	.000	6937.632	.000000	.000000
6822.680	5.55	-.012356	-.020269	.023738	.000	7051.602	.000000	.000000
6871.240	5.55	-.026771	.017243	.031843	.000	7048.412	.000000	.000000
6919.800	2.95	-.054572	-.008099	.055147	.000	7114.390	.000000	.000000
6968.360	.75	-.028830	-.009004	.030204	.000	7230.423	.000000	.000000
7016.920	.15	-.063839	.001909	.063867	.000	7225.992	.000000	.000000
7065.480	-5.95	-.055601	-.053484	.077149	.000	7352.143	.000000	.000000
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7453.960	-12.55	-.039127	-.035601	.052900	184.720	7774.964	.000000	.000000
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7599.640	-12.85	.021623	-.003991	.041988	36.091	7931.732	4.346968	.037387
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7842.440	-16.05	.044275	-.039149	.059101	47.638	8200.485	.000000	.000000
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7939.560	-13.65	-.014415	.004746	.015174	.000	8236.503	.000000	.000000
7988.120	-14.35	-.015445	-.018707	.024259	.000	8342.282	.000000	.000000
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8133.800	-15.45	-.004119	-.038014	.038237	.000			
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8376.600	-12.65	.006178	-.007035	.009342	.000			
8425.160	-11.05	.014474	-.000724	.014499	.000			

8473.720	-11.05	-.004119	.014623	.015192	.000	8485.465	.000000	.000000	.000000
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8570.840	-12.55	-.007208	-.014989	.016632	.000	8590.835	.000000	.000000	.000000
8619.400	-11.75	-.007208	.001504	.007363	40.419	8578.843	4.394867	-.025495	-.000003
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9007.880	-12.35	.021623	-.007144	.022772	.000	8860.369	.000000	.000000	.000000
9056.440	-12.85	-.008237	-.001564	.008384	.000	9016.588	.000000	.000000	.000000
9105.000	-13.15	.006178	-.014991	.018080	.000	9124.521	.000000	.000000	.000000
9153.560	-12.25	.006178	.004188	.007463	.000	9131.262	.000000	.000000	.000000
9202.120	-12.55	-.015445	-.005562	.016416	.000	9238.932	.000000	.000000	.000000
9250.680	-13.75	-.001030	-.027267	.027287	.000	9235.141	.000000	.000000	.000000
9299.240	-12.85	.015445	-.013445	.020477	.000	9424.371	.000000	.000000	.000000
9347.800	-12.25	.012356	-.013659	.018418	.000	9345.829	.000000	.000000	.000000
9396.360	-11.45	.032949	.006001	.033491	.000	9582.568	.000000	.000000	.000000
9444.920	-9.05	-.011326	.032076	.034017	.000	9460.964	.000000	.000000	.000000
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9542.040	-10.95	.015445	-.002348	.015622	.000	9564.697	.000000	.000000	.000000
9590.600	-11.05	-.013386	.001141	.013434	.000	9541.898	.000000	.000000	.000000
9639.160	-12.25	.004119	-.015955	.016478	.000	9700.128	.000000	.000000	.000000
9687.720	-10.65	.005148	-.000876	.005222	.000	9687.178	.000000	.000000	.000000
9736.280	-11.75	.004119	.001037	.004247	28.603	9767.246	4.514104	.001000	.000001
9784.840	-10.25	-.015445	.004256	.016021	.000	9822.392	.000000	.000000	.000000
9833.400	-13.25	-.007208	-.030292	.031138	.000	9823.187	.000000	.000000	.000000
9881.960	-10.95	.024712	-.008464	.026121	.000	9822.969	.000000	.000000	.000000
9930.520	-10.85	.001030	.007306	.007378	.000	9976.046	.000000	.000000	.000000
9979.080	-10.85	.000000	-.006658	.006658	.000	9982.053	.000000	.000000	.000000
10027.640	-10.85	.001030	-.005771	.005862	57.215	10085.145	4.435299	.007370	-.000004
10076.200	-10.75	.014415	-.014655	.020556	.000	10110.250	.000000	.000000	.000000
10124.760	-9.45	.025741	.024525	.035554	.000	10118.167	.000000	.000000	.000000
10173.320	-8.25	-.036038	.024447	.044701	.000	10198.905	.000000	.000000	.000000
10221.880	-12.95	-.019563	-.035483	.040518	.000	10207.602	.000000	.000000	.000000
10270.440	-10.15	.014415	-.005259	.015345	.000	148.000	.000000	.000000	.000000
10319.000	-11.55	-.013386	.008335	.015768	.000	10238.269	.000000	.000000	.000000
10367.560	-11.45	.008237	-.022639	.024091	22.320	10294.322	4.535894	.019871	.000002
10416.120	-10.75	.013386	-.008779	.016008	.000	10402.034	.000000	.000000	.000000
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10513.240	-9.25	.006178	.002723	.006752	.000	10542.615	.000000	.000000	.000000
10561.800	-9.55	.012356	-.002137	.012539	.000	10598.883	.000000	.000000	.000000
10610.360	-8.05	.008237	.015514	.017565	.000	10607.662	.000000	.000000	.000000
10658.920	-8.75	-.011326	.005779	.012715	25.768	10683.285	4.529288	.014489	-.000001
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10853.160	-9.85	-.027801	-.014543	.031375	.000	10820.934	.000000	.000000	.000000
10901.720	-10.35	.012356	-.021883	.025130	.000	10925.575	.000000	.000000	.000000
10950.280	-8.65	-.007208	.009552	.011966	.000	10933.947	.000000	.000000	.000000
10998.840	-9.65	-.012356	-.006391	.013911	27.026	11004.323	4.527972	.016342	-.000001
11047.400	-9.85	.012356	-.017487	.021412	.000	11063.864	.000000	.000000	.000000
11095.960	-8.45	.016474	.012007	.020386	.000	11063.746	.000000	.000000	.000000
11144.520	-8.25	-.004119	.007450	.008513	.000	11185.372	.000000	.000000	.000000
11193.080	-8.85	.005148	.016766	.017538	.000	11143.052	.000000	.000000	.000000
11241.640	-7.75	-.044275	.018118	.047839	.000	11276.965	.000000	.000000	.000000
11290.200	-13.15	-.028830	-.056930	.063814	.000	11276.128	.000000	.000000	.000000
11338.760	-10.55	.042216	-.031668	.062774	40.034	11314.038	4.496638	-.017892	-.000008
11387.320	-9.05	.023682	.012993	.027012	.000	7004.500	.000000	.000000	.000000
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11484.440	-8.15	-.004119	.015912	.016437	158.100	11582.505	4.209776	.103882	-.000038

11531.000	-8.65	-.008237	-.004643	.009456	.000	11473.963	.000000	.000000	.000000
11581.560	-8.95	.007208	.011091	.013227	.000	11587.087	.000000	.000000	.000000
11630.120	-7.95	-.031919	.007305	.032744	.000	11696.044	.000000	.000000	.000000
11678.680	-12.05	-.007208	-.036291	.036999	34.860	11647.762	4.513242	.025984	-.000001
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11775.800	-10.25	.023682	-.004292	.024068	.000	11762.099	.000000	.000000	.000000
11824.360	-6.35	.013386	.032341	.035002	8.871	11837.610	4.576602	.009743	.000003
11872.920	-8.95	-.029860	.009738	.031408	37.308	11871.750	4.507684	.023748	.000002
11921.480	-9.25	-.005148	-.019157	.019837	.000	11913.926	.000000	.000000	.000000
11970.040	-9.45	.010297	-.003184	.010778	.000	11904.306	.000000	.000000	.000000
12018.600	-8.25	.000000	.004350	.004350	.000	12214.148	.000000	.000000	.000000
12067.160	-9.45	.005148	-.005362	.007433	.000	12067.586	.000000	.000000	.000000
12115.720	-7.75	.011326	.012673	.016997	55.380	12153.723	4.467696	-.012222	.000004
12164.280	-8.35	-.003089	.017100	.017377	58.893	12151.756	4.459443	-.013667	.000004
12212.840	-8.05	-.019563	.018043	.026614	104.112	12274.636	4.356430	.056031	-.000014
12261.400	-10.25	-.021623	-.014836	.026223	.000	.000	.000000	.000000	.000000
12309.960	-10.15	.006178	.000807	.006230	.000	.000	.000000	.000000	.000000
12358.520	-9.65	-.003089	.001145	.003294	.000	.000	.000000	.000000	.000000

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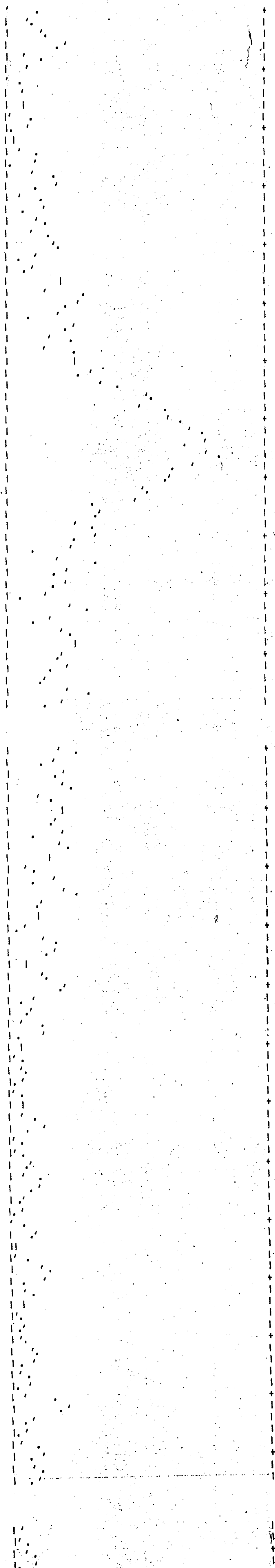
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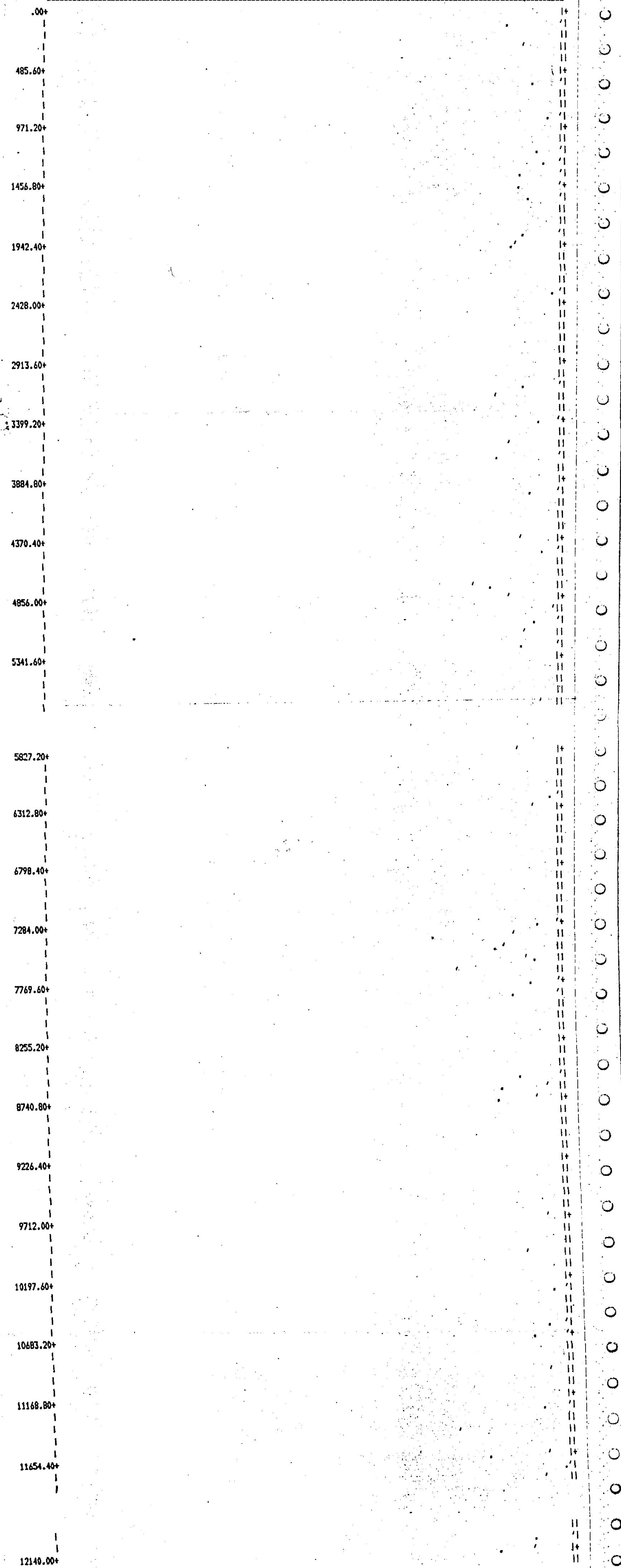
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8255.20+
8740.80+
9226.40+
9712.00+
10197.60+
10683.20+
11168.80+
11654.40+
12140.00+





.00+
485.60+
971.20+
1456.80+
1942.40+
2428.00+
2913.60+
3399.20+
3884.80+
4370.40+
4856.00+
5341.60+
5827.20+
6312.80+
6798.40+
7284.00+
7769.60+
8255.20+
8740.80+
9226.40+
9712.00+
10197.60+
10683.20+
11168.80+
11654.40+
12140.00+

INPUT PARAMETERS
DELTA=48.4900000 LX= 256 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
BIR = 90.0 STRIKE = 2.0
START EASTING = 468009.0 START NORTHING = 8535843.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	REAL DERIVATIVE	IMAGINARY DERIVATIVE	TOTAL REAL	DEPTH	MAGNETIC HORIZ-DIST.	BIP	MAGNETIC OFF-SET	SUSCEPT.
24.245	-21.56	.000000	-.015122	.015122	.000	.000	.000000	.000000	.000000
72.735	-20.96	.016498	-.001805	.016597	.000	.000	.000000	.000000	.000000
121.225	-19.96	.007218	-.004216	.008359	.000	.000	.000000	.000000	.000000
169.715	-20.26	.008249	.002530	.008428	.000	187.066	.000000	.000000	.000000
218.205	-19.16	.006187	.013077	.014466	.000	227.274	.000000	.000000	.000000
266.695	-19.66	-.011343	.004461	.012188	.000	969.800	.000000	.000000	.000000
315.185	-20.26	.006187	-.006876	.009265	.000	355.954	.000000	.000000	.000000
363.675	-19.06	.004125	.011269	.012001	.000	341.525	.000000	.000000	.000000
412.165	-19.86	.003093	.003523	.004688	.000	616.061	.000000	.000000	.000000
460.655	-19.36	.001031	.007310	.007382	.000	565.717	.000000	.000000	.000000
509.145	-19.76	.003093	.009936	.010407	116.275	290.940	-6.024146	-.077336	.000049
557.635	-19.66	.009280	.012467	.015542	.000	884.943	.000000	.000000	.000000
606.125	-20.66	-.015467	.008042	.017433	.000	630.370	.000000	.000000	.000000
654.615	-21.16	-.022685	.003293	.022923	82.972	708.439	1.424620	.008497	-.000019
703.105	-22.66	-.019592	-.014998	.024673	36.170	700.196	3.144789	-.006228	-.000004
751.595	-23.06	-.001031	-.012270	.012314	45.629	714.819	2.781005	-.009790	-.000003
800.085	-22.96	-.001031	-.001616	.001917	.000	808.955	.000000	.000000	.000000
848.575	-23.16	.003093	.004858	.005760	51.688	913.076	2.924829	-.004027	.000003
897.065	-23.26	-.015467	.009584	.018195	52.227	912.683	2.907849	-.004156	.000003
945.555	-24.66	-.023716	-.003109	.023919	.000	877.567	.000000	.000000	.000000
994.045	-25.56	-.016498	-.007799	.018249	.000	986.425	.000000	.000000	.000000
1042.535	-26.26	-.020623	-.007539	.021958	.000	1489.336	.000000	.000000	.000000
1091.025	-27.56	-.017429	-.015771	.023550	.000	1128.432	.000000	.000000	.000000
1139.515	-27.96	-.014436	-.015723	.021345	1247.590	640.000	-40.706603	-.042949	-.000027
1188.005	-28.96	.006187	-.017801	.018845	32.187	1230.261	3.857808	-.022921	.000002
1236.495	-28.56	.008249	-.001259	.008345	.000	1234.372	.000000	.000000	.000000
1284.985	-29.76	-.026810	-.011541	.029188	27.652	1287.189	3.963853	-.006637	.000001
1333.475	-31.16	-.015467	-.024415	.026902	.000	1317.312	.000000	.000000	.000000
1381.965	-31.26	-.010311	-.019171	.021768	.000	1317.312	.000000	.000000	.000000
1430.455	-32.16	-.011343	-.017718	.021038	.000	1381.965	.000000	.000000	.000000
1478.945	-32.36	-.010311	-.018981	.021601	.000	1503.190	.000000	.000000	.000000
1527.435	-33.16	-.010311	-.007221	.012588	25.999	1575.261	4.121141	-.015057	.000002
1575.925	-33.36	-.043308	-.012636	.045114	.000	1612.728	.000000	.000000	.000000
1624.415	-37.36	-.031965	-.065434	.072824	.000	1612.743	.000000	.000000	.000000
1672.905	-36.46	.024747	-.049213	.055085	38.827	1674.710	3.918072	-.040919	-.000004
1721.395	-34.96	.003093	-.005996	.006747	.000	1711.294	.000000	.000000	.000000
1769.885	-36.16	-.019592	-.030531	.036276	.000	1706.468	.000000	.000000	.000000
1818.375	-36.86	-.001031	-.035703	.035718	.000	1792.360	.000000	.000000	.000000
1866.865	-36.26	.005154	-.029618	.030063	.000	1866.297	.000000	.000000	.000000
1915.355	-37.36	-.004125	-.031829	.032094	.000	1914.099	.000000	.000000	.000000
1963.845	-36.66	-.012374	-.035684	.037769	.000	2039.825	.000000	.000000	.000000
2012.335	-38.56	.002062	-.051039	.051080	.000	2023.989	.000000	.000000	.000000
2060.825	-36.46	.003374	-.029648	.032126	63.957	2062.062	3.753711	-.031135	.000003
2109.315	-37.36	.009280	-.026209	.027803	89.026	2086.172	3.931673	-.018385	.000004
2157.805	-37.36	.023716	-.040768	.047165	.000	1876.352	.000000	.000000	.000000
2206.295	-39.66	.024747	-.085454	.088668	56.205	2233.048	3.879079	.032130	-.000017
2254.785	-39.76	.046401	-.104375	.114225	8.429	2232.710	4.490971	-.015900	-.000003
2303.275	-35.16	.072180	-.027744	.077328	.000	2267.645	.000000	.000000	.000000
2351.765	-32.76	.008249	-.014402	.016597	.000	2367.504	.000000	.000000	.000000
2400.255	-34.36	.015467	-.057584	.059425	.000	2380.894	.000000	.000000	.000000
2448.745	-31.26	.034028	-.038998	.051758	.000	2389.235	.000000	.000000	.000000
2497.235	-31.06	.018561	-.040249	.044322	.000	2506.890	.000000	.000000	.000000
2545.725	-29.46	.018561	-.045697	.049323	.000	2544.796	.000000	.000000	.000000
2594.215	-29.26	.016498	-.047211	.049206	.000	2483.701	.000000	.000000	.000000
2642.705	-27.86	.050526	-.068476	.085099	.000	2713.599	.000000	.000000	.000000
2691.195	-24.36	.043308	-.054333	.069481	.000	2656.804	.000000	.000000	.000000
2739.685	-23.66	.064962	-.064959	.091868	.000	2777.649	.000000	.000000	.000000
2788.175	-18.06	.056713	-.026300	.062514	.000	2780.250	.000000	.000000	.000000
2836.665	-18.16	.027841	-.071692	.076900	19.592	2863.148	4.402404	.077462	-.000004
2885.155	-15.36	.096927	-.082697	.127411	.000	2900.471	.000000	.000000	.000000
2933.645	-8.76	.093834	-.026247	.097436	.000	2905.031	.000000	.000000	.000000
2982.135	-6.26	.068055	-.039100	.078488	33.327	2987.373	4.275018	.095198	.000001
3030.625	-2.16	.076304	-.049336	.090865	.000	3048.095	.000000	.000000	.000000
3079.115	1.14	.086616	-.069209	.110870	.000	3233.444	.000000	.000000	.000000
3127.605	6.24	.137142	-.064759	.151683	41.682	3141.558	4.211353	.076581	-.000003
3176.095	14.44	.137142	-.012829	.137740	.000	3155.147	.000000	.000000	.000000
3224.585	19.54	.104145	-.040525	.111752	.000	3296.926	.000000	.000000	.000000
3273.075	24.04	.180450	-.072392	.194429	.000	3272.193	.000000	.000000	.000000
3321.565	37.54	.224789	.012167	.225118	.000	3240.845	.000000	.000000	.000000
3370.055	46.34	.195917	.030844	.198330	.000	3343.556	.000000	.000000	.000000
3418.545	56.04	.246443	.058110	.253201	.000	3488.959	.000000	.000000	.000000
3467.035	70.24	.226851	.140596	.266887	23.883	3429.128	4.396533	.194458	-.000002
3515.525	78.04	.206228	.158489	.260094	.000	4149.837	.000000	.000000	.000000
3564.015	90.24	.201072	.220493	.298408	.000	3666.035	.000000	.000000	.000000
3612.505	97.54	.153640	.273564	.313756	.000	3703.792	.000000	.000000	.000000
3660.995	105.14	.084554	.327627	.338362	.000	3812.276	.000000	.000000	.000000
3709.485	105.74	-.020623	.315815	.316488	.000	4754.482	.000000	.000000	.000000
3757.975	103.14	-.059806	.284939	.291148	.000	3641.546	.000000	.000000	.000000
3806.465	99.94	-.139204	.163831	.233241	75.669	3825.796	4.017296	-.002359	.000014
3854.955	89.64	-.166014	.163831	.233241	.000	3807.224	.000000	.000000	.000000
3903.445	83.84	-.114457	.156703	.194052	.000	4022.142	.000000	.000000	.000000
3951.935	78.54	-.175294	.178575	.250234	.000	3953.656	.000000	.000000	.000000
4000.425	66.84	-.222726	.090741	.240501	58.953	3980.188	4.166190	-.093326	.000009
4048.915	56.94	-.173232	.026003	.175172	.000	4039.322	.000000	.000000	.000000
4097.405	50.04	-.140235	.037166	.145076	.000	4038.985	.000000	.000000	.000000
4145.895	43.34	-.152609	.033408	.156223	.000	4160.649	.000000	.000000	.000000
4194.385	35.24	-.155702	.021538	.157185	.000	4170.743	.000000	.000000	.000000
4242.875	28.24	-.179418	-.009974	.179695	.000	4292.557	.000000	.000000	.000000
4291.365	17.84	-.144360	-.061485	.156908	.000	4288.329	.000000	.000000	.000000
4339.855	14.24	-.119612	-.043668	.127334	.000	4241.510	.000000	.000000	.000000
4388.345	6.24	-.134048	-.045262	.149091	.000	4906.122	.000000	.000000	.000000
4436.835	1.24	-.111363	-.089718	.143007	.000	4862.064	.000000	.000000	.000000
4485.325	-4.56	-.092803	-.102049	.137936	.000	4267.119	.000000	.000000	.000000
4533.815	-7.76	-.073211	-.104379	.127495	.000	3727.951	.000000	.000000	.000000
4582.305	-11.66	-.068055	-.115031	.133655	.000	4733.713	.000000	.000000	.000000
4630.795	-14.36	-.048464	-.131313	.139971	.000	4716.395	.000000	.000000	.000000
4679.285	-16.36	-.021654	-.148314	.149886	.000	4869.252	.000000	.000000	.000000
4727.775	-16.46	.021654	-.140337	.141998	.000	4743.779	.000000	.000000	.000000
4776.265	-14.26	.030934	-.126387	.130117	.000	5021.746	.000000	.000000	.000000
4824.755	-13.46	.059806	-.132787	.145560	166.223	4800.510	3.622267	.139284	-.000058
4873.245	-8.46	.095896	-.113124	.148301	115.147	4978.307	3.943377	-.085757	.000058
4921.735	-4.16	.124768	-.071952	.144028	71.825	4903.032	4.172025	.043102	-.000008
4970.225	3.64	.103114	-.023722	.105808	.000	4966.718	.000000	.000000	.000000
5018.715	5.84	.081460	-.034363	.088411	76.286	5027.368	4.187243	.154150	-.000002
5067.205	11.								

8461.505	-8.96	-.002062	-.012441	.012611	.000	8434.825	.000000	.000000	.000000
8509.995	-9.26	.026810	-.004737	.027225	.000	8557.451	.000000	.000000	.000000
8558.485	-6.36	.001031	.034667	.034682	.000	8556.803	.000000	.000000	.000000
8604.975	-9.16	-.029903	-.001619	.029947	.000	8483.464	.000000	.000000	.000000
8555.465	-9.26	-.001031	-.007850	.007918	.000	8643.271	.000000	.000000	.000000
8703.955	-9.26	-.018561	.001369	.018611	.000	9008.438	.000000	.000000	.000000
8732.445	-11.06	-.009280	-.022714	.024537	.000	8748.196	.000000	.000000	.000000
8800.935	-10.16	.001031	-.005570	.005665	.000	15353.094	.000000	.000000	.000000
8849.425	-10.96	-.011343	-.017640	.020972	.000	8830.225	.000000	.000000	.000000
8897.915	-11.26	.014436	-.017304	.022535	.000	8956.443	.000000	.000000	.000000
8946.405	-9.56	.003093	.005873	.006638	.000	8931.174	.000000	.000000	.000000
8994.895	-10.96	-.010311	-.006586	.012235	84.156	9015.306	4.339257	.032039	-.000001
9043.385	-10.56	-.005156	-.017339	.018089	34.399	9025.061	4.489369	.012363	-.000001
9091.875	-11.46	.011343	-.018587	.021774	57.944	9097.744	4.414847	-.008534	-.000003
9140.365	-9.46	.013405	-.000295	.013408	197.432	9052.705	3.964799	-.105261	-.000049
9188.855	-10.16	.005156	.003111	.006022	166.219	9116.118	4.024527	-.056714	-.000003
9237.345	-8.96	-.007218	.009032	.011562	65.352	9331.326	4.397733	.042137	-.000014
9285.835	-10.86	-.018561	-.016394	.024764	.000	9261.788	.000000	.000000	.000000
9334.325	-10.76	.013405	-.021583	.025407	.000	9359.807	.000000	.000000	.000000
9382.815	-9.56	.008249	.005735	.010047	.000	9363.314	.000000	.000000	.000000
9431.305	-9.96	-.009280	-.006092	.011101	31.291	9460.086	4.503632	.019925	-.000002
9479.795	-10.46	.002062	-.018728	.018841	28.269	9460.798	4.512732	.019168	-.000001
9528.285	-9.76	.020623	-.013991	.024921	63.434	9581.090	4.409100	-.034871	.000008
9576.775	-8.46	.021654	.018811	.028684	.000	9559.941	.000000	.000000	.000000
9625.265	-7.66	-.021654	.015020	.026353	.000	9567.330	.000000	.000000	.000000
9673.755	-10.56	-.002062	-.019644	.019752	.000	9688.891	.000000	.000000	.000000
9722.245	-7.86	.001031	.011388	.011434	.000	9683.650	.000000	.000000	.000000
9770.735	-10.46	-.020623	-.022815	.030754	.000	9775.172	.000000	.000000	.000000
9819.225	-9.86	.030934	-.017991	.035785	.000	9924.357	.000000	.000000	.000000
9867.715	-7.46	.005156	.021888	.022487	.000	9859.633	.000000	.000000	.000000
9916.205	-9.36	-.010311	-.003038	.010750	23.033	9869.087	4.531199	.012646	.000003
9964.695	-8.46	.000000	-.004588	.004588	.000	9974.145	.000000	.000000	.000000
10013.185	-9.36	.004125	-.001326	.004333	.000	9980.858	.000000	.000000	.000000
10061.675	-8.06	-.009280	.007989	.011678	.000	10096.249	.000000	.000000	.000000
10110.165	-10.26	-.006187	-.022230	.023074	.000	10088.829	.000000	.000000	.000000
10158.655	-8.66	.026810	.009612	.028481	.000	10231.511	.000000	.000000	.000000
10207.145	-7.66	-.035059	.029526	.045836	.000	10230.559	.000000	.000000	.000000
10255.635	-12.06	-.038152	-.046224	.059936	14.919	10233.545	4.556764	.041191	-.000001
10304.125	-11.36	.032996	-.044300	.055238	.000	10323.129	.000000	.000000	.000000
10352.615	-8.86	.039183	.016475	.042506	28.059	10323.000	4.519821	-.045385	-.000003
10401.105	-7.56	-.017529	.031386	.035949	.000	10421.058	.000000	.000000	.000000
10449.595	-10.56	-.030934	-.026849	.040961	.000	10418.810	.000000	.000000	.000000
10498.085	-10.56	.025779	-.029564	.039225	.000	10522.503	.000000	.000000	.000000
10546.575	-8.06	.015467	.018263	.023932	.000	10529.951	.000000	.000000	.000000
10595.065	-9.06	-.018561	-.004004	.018988	.000	10555.770	.000000	.000000	.000000
10643.555	-9.86	.012374	-.022222	.025435	.000	10662.149	.000000	.000000	.000000
10692.045	-7.86	.014436	.007251	.016155	.000	10663.842	.000000	.000000	.000000
10740.535	-8.46	.002062	-.007779	.003461	.000	10778.961	.000000	.000000	.000000
10789.025	-7.66	.014436	.010501	.017851	.000	10731.560	.000000	.000000	.000000
10837.515	-7.06	-.016498	.015809	.022850	.000	10864.022	.000000	.000000	.000000
10886.005	-9.26	-.012374	-.015529	.019856	.000	10865.704	.000000	.000000	.000000
10934.495	-8.26	.008249	-.005128	.009713	31.856	10926.006	4.514324	-.015366	-.000001
10982.985	-8.46	-.005156	.005113	.007261	.000	10979.879	.000000	.000000	.000000
11031.475	-8.76	-.010311	-.007522	.012763	161.732	10991.517	4.170363	.048254	.000013
11079.965	-9.46	-.006187	-.012205	.013684	.000	11103.192	.000000	.000000	.000000
11128.455	-9.36	.002062	-.024264	.024351	.000	11226.156	.000000	.000000	.000000
11176.945	-9.26	.027841	-.010205	.029652	41.742	11177.990	4.490377	-.008294	-.000001
11225.435	-6.66	.012374	.015035	.019472	.000	11465.152	.000000	.000000	.000000
11273.925	-8.06	.001031	.009252	.009309	.000	11133.388	.000000	.000000	.000000
11322.415	-6.56	-.011343	.010623	.015540	100.296	11397.909	4.346870	.055580	-.000018
11370.905	-9.16	-.011343	-.016565	.020076	.000	11348.818	.000000	.000000	.000000
11419.395	-7.66	.018561	-.003259	.018844	.000	11463.117	.000000	.000000	.000000
11467.885	-7.36	-.007218	.021611	.022785	.000	11468.765	.000000	.000000	.000000

11516.375	-8.36	-.030934	-.008309	.012031	71.352	11522.947	4.423280	.053579	-.000003
11564.865	-10.36	-.001031	-.037663	.037678	.000	11585.380	.000000	.000000	.000000
11613.355	-8.46	.029903	-.007248	.030769	.000	11569.616	.000000	.000000	.000000
11661.845	-7.46	.004125	.012169	.012849	.000	11697.238	.000000	.000000	.000000
11710.335	-8.06	.000000	.003412	.003412	.000	11686.995	.000000	.000000	.000000
11758.825	-7.46	-.012374	-.000331	.012376	29.512	11781.879	4.526425	.009711	-.000001
11807.315	-9.26	.007218	-.018871	.020204	.000	11819.721	.000000	.000000	.000000
11855.805	-6.76	.013405	.010759	.017189	49.866	11828.696	4.476486	-.019243	-.000001
11904.295	-7.96	-.003093	.007123	.007766	.000	11961.586	.000000	.000000	.000000
11952.785	-7.06	-.010311	.015723	.018803	.000	11912.646	.000000	.000000	.000000
12001.275	-8.96	-.031965	-.011746	.034055	30.290	12024.800	4.526015	.006613	-.000002
12049.765	-10.16	.000000	-.029579	.029579	14.898	12034.032	4.562639	.002637	-.000002
12098.255	-8.96	.012374	-.012378	.017502	257.393	11973.795	3.977378	-.240240	-.000203
12146.745	-8.96	.009280	.001019	.009336	.000	12125.861	.000000	.000000	.000000
12195.235	-8.06	-.003093	.000101	.003095	.000	11977.016	.000000	.000000	.000000
12243.725	-9.26	-.003093	-.003962	.005027	.000	.000	.000000	.000000	.000000
12292.215	-8.36	-.005156	-.012327	.013362	.000	.000	.000000	.000000	.000000
12340.705	-9.76	-.010311	-.010565	.014763	.000	.000	.000000	.000000	.000000

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484.90+
969.80+
1454.70+
1939.60+
2424.50+
2909.40+
3394.30+
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4364.10+
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9213.10+
9698.00+
10182.90+
10667.80+
11152.70+
11637.60+
12122.50+

INPUT PARAMETERS
DELX=47.820000 LY= 256 SHOOT= .750 DECLIN = 2.0 INCLIN = 139.0
DPR = 90.0 STRIKE = 2.0
START EASTING = 668043.0 START NORTHING = 853555.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	REAL DERIVATIVE	IMAGINARY DERIVATIVE	TOTAL REAL	DEPTH	MAGNETIC HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPTI.
23.910	-14.14	.000000	-.012234	.012234	.000	.000	.000000	.000000	.000000
71.730	-12.74	.019866	-.013749	.024160	.000	.000	.000000	.000000	.000000
119.550	-12.24	-.005228	-.007869	.009447	.000	.000	.000000	.000000	.000000
167.370	-13.24	.008365	-.010336	.013294	9.605	118.240	2.220246	.014595	.000002
215.190	-11.44	.011501	.004454	.012334	.000	199.285	.000000	.000000	.000000
263.010	-12.14	.012547	-.008940	.015406	.000	239.100	.000000	.000000	.000000
310.830	-10.24	.037641	-.012409	.039634	.000	360.149	.000000	.000000	.000000
358.650	-8.54	.008365	.041921	.042747	.000	359.069	.000000	.000000	.000000
406.470	-9.44	-.016729	.016025	.023166	.000	367.134	.000000	.000000	.000000
454.290	-10.14	.006274	.002060	.006693	.000	464.135	.000000	.000000	.000000
502.110	-8.04	.011501	.023955	.026573	81.851	464.135	-1.378088	-.034841	.000017
549.930	-9.04	-.001046	.029943	.029962	.000	608.407	.000000	.000000	.000000
597.750	-8.94	-.011501	.037096	.038838	.000	693.390	.000000	.000000	.000000
645.570	-10.14	-.034504	.030204	.054857	75.608	627.040	1.089880	-.015318	.000032
693.390	-12.24	-.040778	.009637	.041901	.000	676.013	.000000	.000000	.000000
741.210	-14.04	-.036596	-.011064	.038231	38.438	752.912	3.140104	-.021470	-.000006
789.030	-15.74	-.004182	-.017282	.017781	.000	822.090	.000000	.000000	.000000
836.850	-14.44	-.007319	.026804	.027786	.000	818.224	.000000	.000000	.000000
884.670	-16.44	-.060644	.001738	.060669	.000	919.425	.000000	.000000	.000000
932.490	-20.24	-.020912	-.050154	.054339	.000	923.466	.000000	.000000	.000000
980.310	-18.44	.018021	-.014713	.023889	64.555	956.415	2.589851	-.060669	-.000018
1028.130	-18.44	.000000	.012708	.012708	.000	1008.767	.000000	.000000	.000000
1075.950	-18.44	-.019866	.007385	.021195	.000	942.528	.000000	.000000	.000000
1123.770	-20.34	-.016279	-.002155	.016868	.000	1253.347	.000000	.000000	.000000
1171.590	-20.04	-.024049	-.005889	.024759	.000	1182.482	.000000	.000000	.000000
1219.410	-22.64	-.035550	-.013891	.038168	43.491	1225.340	3.627380	-.009357	-.000001
1267.230	-23.44	-.017775	-.024113	.029957	.000	1272.842	.000000	.000000	.000000
1315.050	-24.34	-.010456	-.014709	.018047	47.164	1279.891	3.518225	-.035099	-.000003
1362.870	-24.44	-.020912	-.008511	.022577	.000	1380.898	.000000	.000000	.000000
1410.690	-26.34	-.026140	-.030562	.040216	.000	1386.930	.000000	.000000	.000000
1458.510	-26.94	.004182	-.029938	.030229	.000	1484.417	.000000	.000000	.000000
1506.330	-25.94	.008365	-.047374	.069611	.000	1507.688	.000000	.000000	.000000
1554.150	-27.74	-.017775	-.028123	.033269	.000	1483.086	.000000	.000000	.000000
1601.970	-27.64	.005228	-.020113	.020781	.000	1598.501	.000000	.000000	.000000
1649.790	-27.24	-.011501	-.010316	.015490	.000	1658.767	.000000	.000000	.000000
1697.610	-28.74	-.007319	-.018069	.019495	.000	1686.224	.000000	.000000	.000000
1745.430	-27.94	-.023003	-.015662	.027829	.000	1820.434	.000000	.000000	.000000
1793.250	-30.94	-.003137	-.047019	.047124	.000	1805.574	.000000	.000000	.000000
1841.070	-28.24	.014638	.001288	.014695	.000	1782.711	.000000	.000000	.000000
1888.890	-29.54	-.046006	-.014854	.048344	.000	1955.349	.000000	.000000	.000000
1936.710	-32.64	-.010456	-.062749	.063615	48.857	1869.765	3.836382	.049955	.000010
1984.530	-30.54	-.013593	-.042335	.044859	.000	1841.978	.000000	.000000	.000000
2032.350	-31.34	.025094	-.031654	.040394	144.365	2037.113	3.225643	-.096534	.000005
2080.170	-28.14	.012547	-.002502	.012794	33.932	2075.250	4.131653	-.001724	.000004
2127.990	-30.14	-.013593	-.015994	.020989	61.687	2145.152	3.674441	.034462	.000001
2175.810	-29.44	-.011501	-.035585	.037398	33.044	2148.483	4.117178	.020161	.000000
2223.630	-31.24	.010456	-.045898	.047074	.000	2250.593	.000000	.000000	.000000
2271.450	-28.44	.015684	-.017256	.023318	.000	2234.564	.000000	.000000	.000000
2319.270	-29.74	-.014638	-.032344	.035503	.000	2505.832	.000000	.000000	.000000
2367.090	-29.84	.014638	-.055586	.057481	.000	2371.447	.000000	.000000	.000000
2414.910	-28.34	.021957	-.030637	.037693	.000	2376.629	.000000	.000000	.000000
2462.730	-27.74	.011501	-.044250	.045720	.000	2444.720	.000000	.000000	.000000
2510.550	-27.24	.039732	-.041416	.057393	.000	2571.072	.000000	.000000	.000000
2558.370	-23.94	.026140	-.015529	.030404	.000	2555.459	.000000	.000000	.000000
2606.190	-24.74	.014638	-.035887	.038758	48.421	2589.795	4.039043	.045199	.000001
2654.010	-22.54	.030322	-.038392	.048922	.000	2543.613	.000000	.000000	.000000
2701.830	-21.84	.037641	-.036718	.052584	.000	2659.988	.000000	.000000	.000000
2749.650	-18.94	.041824	-.020945	.046775	.000	2685.890	.000000	.000000	.000000
2797.470	-17.84	.027185	-.028995	.038311	.000	2813.993	.000000	.000000	.000000
2845.290	-16.34	.040778	-.030707	.051046	.000	2856.755	.000000	.000000	.000000
2893.110	-13.94	.032413	-.030816	.044724	.000	3152.524	.000000	.000000	.000000
2940.930	-13.24	.053325	-.046513	.070760	34.693	2934.782	4.259873	.054938	-.000004
2988.750	-8.84	.070054	-.025437	.074529	52.382	2940.495	4.087285	.049667	-.000004
3036.570	-6.54	.065872	-.013743	.067290	.000	3038.005	.000000	.000000	.000000
3084.390	-2.54	.061690	-.015217	.063539	.000	3074.739	.000000	.000000	.000000
3132.210	-.64	.083647	-.013904	.084795	.000	3166.718	.000000	.000000	.000000
3180.030	5.46	.076328	.023275	.079798	.000	3169.232	.000000	.000000	.000000
3227.850	6.66	.050188	.033403	.050303	.000	3211.244	.000000	.000000	.000000
3275.670	10.26	.083647	-.002800	.083694	.000	3295.932	.000000	.000000	.000000
3323.490	14.66	.084693	.030366	.089972	.000	3294.073	.000000	.000000	.000000
3371.310	18.36	.064826	.033730	.073076	.000	3406.436	.000000	.000000	.000000
3419.130	20.86	.070054	.018999	.072087	.000	3406.589	.000000	.000000	.000000
3466.950	25.06	.090604	.034369	.111056	.000	3497.720	.000000	.000000	.000000
3514.770	30.96	.090966	.084814	.125744	.000	3501.821	.000000	.000000	.000000
3562.590	33.76	.051234	.080387	.095326	.000	3459.948	.000000	.000000	.000000
3610.410	35.86	.069009	.070591	.098719	.000	3633.587	.000000	.000000	.000000
3658.230	40.36	.066918	.111425	.129778	49.197	3652.840	4.215618	.026826	.000005
3706.050	42.26	.030322	.118969	.122788	.000	3732.889	.000000	.000000	.000000
3753.870	43.26	.021957	.124644	.126563	.000	3600.807	.000000	.000000	.000000
3801.690	44.36	-.023003	.133094	.135066	54.151	3803.105	4.188114	.015702	.000009
3849.510	41.06	-.035550	.089645	.096437	.000	3807.198	.000000	.000000	.000000
3897.330	40.96	-.018021	.100707	.102451	.000	4155.249	.000000	.000000	.000000
3945.150	39.26	-.047051	.105890	.115873	.000	4038.116	.000000	.000000	.000000
3992.970	36.46	-.063781	.098759	.117565	.000	3922.626	.000000	.000000	.000000
4040.790	33.16	-.089921	.071113	.114642	.000	3930.504	.000000	.000000	.000000
4088.610	27.86	-.063781	.047220	.079358	.000	4151.677	.000000	.000000	.000000
4136.430	27.06	-.073191	.069157	.100696	.000	4123.251	.000000	.000000	.000000
4184.250	20.86	-.090966	.043148	.100681	.000	3127.090	.000000	.000000	.000000
4232.070	18.36	-.079465	.038285	.088206	.000	4293.629	.000000	.000000	.000000
4279.890	13.26	-.098921	.041469	.099022	85.542	4261.217	4.033560	-.130290	.000006
4327.710	9.76	-.112923	.034046	.117944	65.430	4363.133	4.063543	-.068706	.000000
4375.530	2.46	-.125471	-.005958	.125612	.000	4345.354	.000000	.000000	.000000
4423.350	-2.24	-.101422	-.025984	.104698	26.967	4395.627	4.422800	-.102956	-.000002
4471.170	-7.24	-.098285	-.027932	.102177	43.429	4384.069	4.315224	-.105231	-.000003
4518.990	-11.64	-.099331	-.038239	.106437	.000	4426.408	.000000	.000000	.000000
4566.810	-14.74	-.100376	-.063166	.118950	20.116	4605.408	4.472785	-.095552	-.000001
4614.630	-21.26	-.072146	-.074167	.103469	.000	4668.158	.000000	.000000	.000000
4662.450	-23.64	-.086784	-.073945	.114014	.000	4731.561	.000000	.000000	.000000
4710.270	-29.54	-.058553	-.129181	.141831	.000	4715.813	.000000	.000000	.000000
4758.090	-29.24	-.003137	-.094160	.094212	.000	6007.338	.000000	.000000	.000000
4805.910	-29.84	-.034504	-.088023	.094544	.000	20965.313	.000000	.000000	.000000
4853.730	-32.54	.003137	-.119262	.119304	25.490	4837.166	4.447537	.020444	-.000004
4901.550	-29.44	.032413	-.066375	.092537	97.861	4887.034	4.018119	-.037502	-.000022
4949.370	-29.54	.030322	-.084381	.072979	.000	4924.843	.000000	.000000	.000000
4997.190	-26.64	.017775							

8344.590	1.36	.004182	-.003328	.005345	.000	8338.085	.000000	.000000	.000000
8392.410	1.66	-.023003	.002233	.023111	.000	8456.290	.000000	.000000	.000000
8440.250	-.84	.005228	-.034601	.034994	.000	8430.807	.000000	.000000	.000000
8488.030	1.16	.028231	-.011291	.030405	58.801	8501.093	4.371572	-.038034	-.000000
8535.870	1.86	.014638	.019447	.024340	.000	8521.348	.000000	.000000	.000000
8583.690	2.56	-.013593	.012147	.018229	.000	8911.773	.000000	.000000	.000000
8631.510	.56	-.002091	.000895	.002275	.000	8595.915	.000000	.000000	.000000
8679.330	2.36	-.025094	.012276	.027936	.000	8712.836	.000000	.000000	.000000
8727.150	-1.84	-.018821	-.040017	.044222	.000	8715.476	.000000	.000000	.000000
8774.970	.56	.034504	-.010128	.035960	25.169	8782.676	4.515294	-.026262	-.000001
8822.790	1.46	-.001046	.021885	.021910	26.353	8781.651	4.511407	-.026787	-.000001
8870.610	.46	-.017775	.003927	.018204	.000	8824.311	.000000	.000000	.000000
8918.430	-.24	.021957	-.019517	.029378	54.004	8922.261	4.425274	.026405	-.000006
8966.250	-1.64	.018821	-.033273	.038227	.000	8987.717	.000000	.000000	.000000
9014.070	1.56	.032413	.017618	.036892	50.647	8998.262	4.442980	-.052417	.000001
9061.890	1.46	-.018821	.032754	.037776	.000	9075.922	.000000	.000000	.000000
9109.710	-.24	-.038687	-.016155	.041924	36.750	9081.836	4.481549	.038510	.000003
9157.530	-2.24	.006274	-.036698	.037230	.000	9163.378	.000000	.000000	.000000
9205.350	.36	.020912	-.001334	.020954	.000	9163.663	.000000	.000000	.000000
9253.170	-.24	-.001046	.006125	.006214	.000	9259.817	.000000	.000000	.000000
9300.990	.26	-.005228	.005766	.007783	125.568	9236.807	4.205804	.061209	.000019
9348.810	-.74	.003137	-.011448	.011870	.000	9359.282	.000000	.000000	.000000
9396.630	.56	.013593	-.001331	.013658	50.089	9404.543	4.446428	-.015185	.000002
9444.450	.56	-.004182	.012870	.013533	.000	9462.378	.000000	.000000	.000000
9492.270	.16	-.013593	-.018742	.023152	.000	9457.499	.000000	.000000	.000000
9540.090	-.74	.030322	-.012179	.032677	.000	9582.009	.000000	.000000	.000000
9587.910	3.06	.007319	.031567	.032404	.000	9573.191	.000000	.000000	.000000
9635.730	-.04	.024049	.007317	.025137	59.575	9611.154	4.420090	.022086	.000007
9683.550	.76	-.014638	-.011328	.018510	45.450	9629.574	4.462455	.012288	.000003
9731.370	-1.44	-.003137	-.015974	.016279	.000	10161.840	.000000	.000000	.000000
9779.190	.46	.002091	-.014141	.014295	.000	9707.683	.000000	.000000	.000000
9827.010	-1.24	.017775	-.013174	.022125	39.288	9849.968	4.484646	-.008651	.000001
9874.830	2.16	.009410	.014312	.017129	.000	9874.705	.000000	.000000	.000000
9922.650	-.34	-.005228	-.012425	.013480	.000	10098.167	.000000	.000000	.000000
9970.470	1.66	.033459	.007428	.034273	.000	10134.851	.000000	.000000	.000000
10018.290	2.86	-.016729	.042300	.045488	.000	10026.297	.000000	.000000	.000000
10066.110	.06	-.041824	-.014658	.044318	28.865	10037.262	4.515443	.032231	.000004
10113.930	-1.14	.004182	-.034442	.034695	.000	10117.563	.000000	.000000	.000000
10161.750	.46	.016729	-.001886	.016835	.000	10120.270	.000000	.000000	.000000
10209.570	.46	-.001046	-.009823	.009879	.000	10215.823	.000000	.000000	.000000
10257.390	.36	.034504	-.003085	.034642	.000	10334.816	.000000	.000000	.000000
10305.210	3.76	-.002091	.048855	.048901	.000	10305.486	.000000	.000000	.000000
10353.030	.16	-.043915	-.005297	.044233	29.063	10325.534	4.517278	.027185	.000004
10400.850	-.44	.010456	-.028960	.029036	20.630	10368.940	4.541282	.010313	-.000001
10448.670	-.84	.010456	-.011730	.015713	.000	10445.165	.000000	.000000	.000000
10496.490	.56	.011501	.000532	.011514	53.959	10481.312	4.452246	-.014575	.000001
10544.310	1.06	-.005228	.006545	.008376	.000	10569.015	.000000	.000000	.000000
10592.130	.06	-.011501	-.015493	.019295	69.742	10593.424	4.410818	.040260	-.000004
10639.950	-.04	.015684	-.026043	.030401	.000	10650.455	.000000	.000000	.000000
10687.770	1.56	.033459	.002453	.033549	46.285	10670.484	4.418146	-.028688	-.000003
10735.590	3.16	.011501	.023651	.026299	86.387	10705.970	4.474454	-.006385	.000002
10783.410	2.66	-.005228	.014166	.015100	81.426	10716.653	4.380675	.006784	.000009
10831.230	2.66	-.008365	.007022	.010921	.000	10823.782	.000000	.000000	.000000
10879.050	1.86	-.007319	-.005845	.009366	.000	10864.798	.000000	.000000	.000000
10926.870	1.96	.011501	.000225	.011504	.000	10966.833	.000000	.000000	.000000
10974.690	2.96	-.008365	.017992	.019841	.000	10987.724	.000000	.000000	.000000
11022.510	1.16	-.015684	-.011889	.019681	.000	10985.229	.000000	.000000	.000000
11070.330	1.46	.010456	-.005089	.011629	.000	10992.078	.000000	.000000	.000000
11118.150	2.16	-.003137	.007576	.008200	.000	11122.932	.000000	.000000	.000000
11165.970	1.16	-.005228	-.001277	.005382	.000	11309.631	.000000	.000000	.000000
11213.790	1.66	-.005228	-.001582	.005462	.000	11193.705	.000000	.000000	.000000
11261.610	.66	-.004182	-.004485	.006132	.000	11311.369	.000000	.000000	.000000
11309.430	1.26	-.006274	-.009084	.010974	.000	11406.286	.000000	.000000	.000000

11357.250	.06	.010456	-.017256	.020177	.000	11377.977	.000000	.000000	.000000
11405.070	2.26	.018821	.009260	.020975	.000	11378.457	.000000	.000000	.000000
11452.890	1.86	-.005228	.011958	.013051	.000	11659.528	.000000	.000000	.000000
11500.710	1.76	-.004182	.002273	.004760	.000	11485.679	.000000	.000000	.000000
11548.530	1.46	-.007319	-.000112	.007320	.000	11577.753	.000000	.000000	.000000
11596.350	1.06	-.001046	-.000875	.001363	.000	11617.488	.000000	.000000	.000000
11644.170	1.36	-.013593	-.002608	.013841	.000	11436.724	.000000	.000000	.000000
11691.990	-.24	.007319	-.019443	.020775	.000	11712.419	.000000	.000000	.000000
11739.810	2.06	.010456	.013836	.017342	.000	11717.063	.000000	.000000	.000000
11787.630	.76	-.015684	.003419	.016052	.000	11800.087	.000000	.000000	.000000
11835.450	.56	-.014638	-.008394	.016869	.000	11848.303	.000000	.000000	.000000
11883.270	-.64	-.002091	-.034174	.034238	19.236	11914.929	4.551680	-.014662	-.000001
11931.090	.36	.039732	-.004435	.039979	32.979	11937.727	4.519667	-.023464	.000001
11978.910	3.16	-.003137	.028954	.029123	.000	11986.678	.000000	.000000	.000000
12026.730	.06	-.018821	-.010776	.021687	.000	11989.028	.000000	.000000	.000000
12074.550	1.36	.012547	-.016361	.020619	.000	.000	.000000	.000000	.000000
12122.370	1.26	.011501	.015206	.019066	.000	.000	.000000	.000000	.000000
12170.190	2.46	.000000	.001469	.001469	.000	.000	.000000	.000000	.000000

9.772 UNITS/INCH

.00+
478.20+
956.40+
1434.60+
1912.80+
2391.00+
2869.20+
3347.40+
3825.60+
4303.80+
4782.00+
5260.20+
5738.40+
6216.60+
6694.80+
7173.00+
7651.20+
8129.40+
8607.60+
9085.80+
9564.00+
10042.20+
10520.40+
10998.60+
11476.80+
11955.00+

CR83/164

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11476.80+
11955.00+

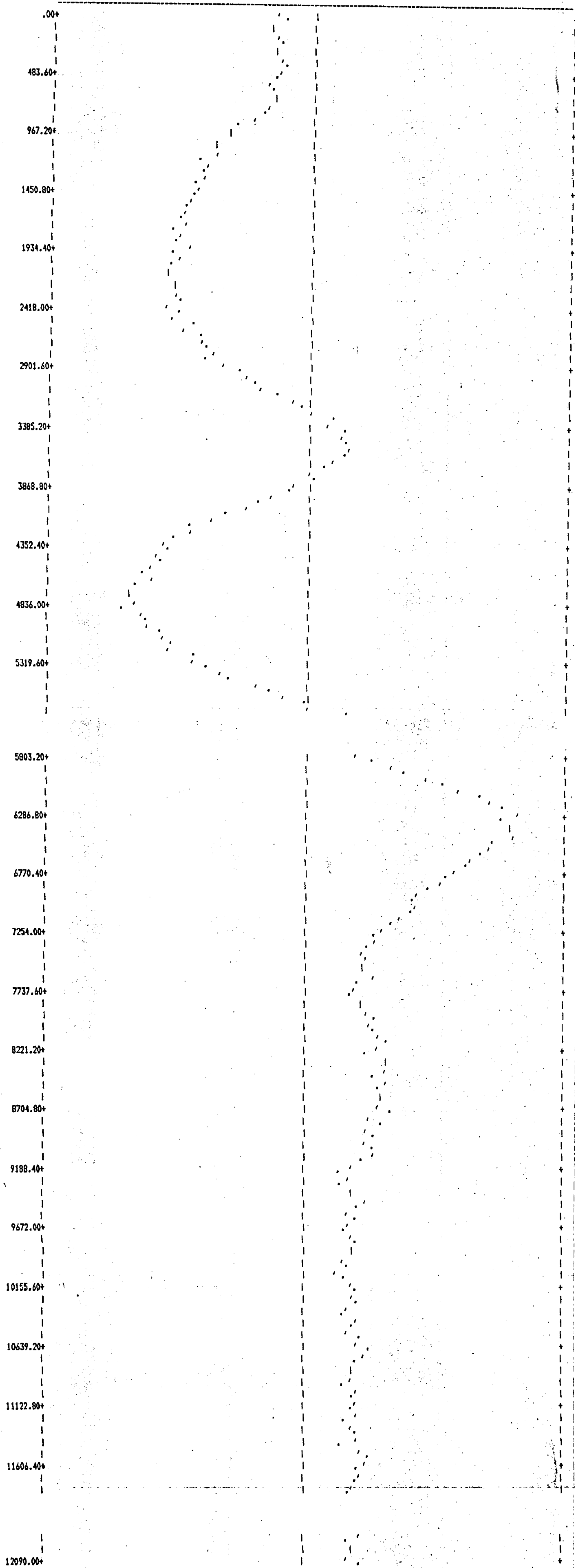
INPUT PARAMETERS
DELTA=48.3600000 LX= 256 SMOOTH= .750 DECLIN = 2.0 INCLIN = 139.0
DIP = 90.0 STRIKE = 2.0
START EASTING = 448034.0 START NORTHING = 8535265.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSCEPT.
24.180	-6.96	.000000	.009455	.009455	.000	.000	.000000	.000000
72.540	-5.86	-.008271	.027000	.028238	.000	.000	.000000	.000000
120.900	-7.76	-.018610	-.063897	.019014	.000	.000	.000000	.000000
169.260	-7.66	.004136	-.010682	.011455	9.680	163.181	2.926947	.000393
217.620	-7.36	.012407	.001826	.012541	154.928	156.972	-41.384362	-.069967
265.980	-6.46	.007237	.012630	.014556	.000	260.223	.000000	.000000
314.340	-6.66	-.003102	.008810	.009340	48.723	331.347	1.170139	.018269
362.700	-6.76	.006203	.000294	.006210	.000	368.222	.000000	.000000
411.060	-6.06	.015509	.017807	.023614	56.836	423.643	1.131398	-.017249
459.420	-5.26	-.004136	.029754	.030040	56.639	359.440	-.163264	-.046349
507.780	-6.46	-.016543	.019820	.025817	.000	420.688	.000000	.000000
556.140	-6.86	-.023780	.008917	.025397	122.793	599.582	-.597339	.049312
604.500	-8.76	-.012407	-.012555	.017651	28.482	608.265	3.258192	-.064894
652.860	-8.06	.014475	-.000025	.014475	55.229	661.216	1.758138	-.028738
701.220	-7.36	.007237	.024761	.025797	86.926	640.643	.213287	-.053829
749.580	-7.36	-.010339	.029829	.031570	102.898	726.475	.606321	-.069788
797.940	-8.36	-.022746	.023256	.032530	.000	654.629	.000000	.000000
846.300	-9.56	-.025848	.019279	.032246	.000	670.131	.000000	.000000
894.660	-10.86	-.040323	.015778	.043300	20.807	927.880	3.979383	-.019119
943.020	-13.46	-.045492	-.011116	.046831	24.587	928.565	1.870681	-.018408
991.380	-15.26	-.019644	-.021579	.029182	24.003	987.158	1.899961	-.032117
1039.740	-15.36	-.017577	-.004659	.018183	.000	1017.575	.000000	.000000
1088.100	-16.96	-.023780	-.017454	.029498	.000	1106.418	.000000	.000000
1136.460	-17.66	-.007237	-.011427	.013526	.000	1150.115	.000000	.000000
1184.820	-17.66	-.024814	-.008002	.026072	.000	1328.825	.000000	.000000
1233.180	-20.06	-.011373	-.028960	.031113	.000	1230.762	.000000	.000000
1281.540	-18.76	.002068	-.009879	.010093	.000	1228.089	.000000	.000000
1329.900	-19.86	-.011373	-.006729	.013214	.000	1361.439	.000000	.000000
1378.260	-19.86	-.010339	-.013990	.017396	.000	1350.079	.000000	.000000
1426.620	-20.86	-.003102	-.013687	.014034	.000	1462.265	.000000	.000000
1474.980	-20.16	-.004136	.002647	.004910	.000	1459.978	.000000	.000000
1523.340	-21.26	-.017577	-.006876	.018874	27.734	1526.564	4.048292	-.063998
1571.700	-21.86	-.011373	-.018173	.021438	.000	1563.827	.000000	.000000
1620.060	-22.36	-.007237	-.012580	.014513	.000	1499.160	.000000	.000000
1668.420	-22.56	-.010339	-.017261	.020121	.000	1669.366	.000000	.000000
1716.780	-23.36	-.002068	-.014975	.015117	.000	1714.350	.000000	.000000
1765.140	-22.76	-.012407	-.011815	.017132	.000	1803.774	.000000	.000000
1813.500	-24.56	-.008271	-.028145	.029335	61.593	1801.300	3.646320	.015256
1861.860	-23.56	.009306	-.024922	.026602	32.400	1892.167	4.146099	-.046070
1910.220	-23.06	.015509	-.005761	.016544	35.131	1892.781	4.109818	-.014912
1958.580	-22.06	-.009306	.006416	.011303	.000	1970.034	.000000	.000000
2006.940	-24.56	-.014475	-.020062	.024739	.000	1970.034	.000000	.000000
2055.300	-23.46	.000000	-.010017	.010017	.000	2060.167	.000000	.000000
2103.660	-24.56	-.021712	-.014323	.026011	.000	2154.306	.000000	.000000
2152.020	-25.56	-.009306	-.040365	.041423	.000	2138.883	.000000	.000000
2200.380	-25.46	.018610	-.033305	.038152	59.234	2211.536	3.789798	-.027797
2248.740	-23.76	.014475	-.005056	.015332	.000	2230.367	.000000	.000000
2297.100	-24.06	-.005170	-.016890	.017663	.000	2384.057	.000000	.000000
2345.460	-24.26	-.011373	-.015890	.019541	.000	2320.619	.000000	.000000
2393.820	-22.96	-.010339	-.009898	.014313	.000	2451.359	.000000	.000000
2442.180	-25.26	-.003102	-.035615	.035750	.000	2582.424	.000000	.000000
2490.540	-23.26	.009306	-.033395	.034668	71.928	2582.424	3.815705	-.030029
2538.900	-24.36	.026882	-.033017	.025276	71.434	2536.809	3.763425	-.008791
2587.260	-20.66	.021712	-.004512	.022668	.000	2579.667	.000000	.000000
2635.620	-22.26	.010339	-.025718	.027719	.000	2838.883	.000000	.000000
2683.980	-19.66	.032051	-.013794	.034894	.000	2674.881	.000000	.000000
2732.340	-19.16	.012407	-.006648	.014076	.000	2744.147	.000000	.000000
2780.700	-18.46	.018610	-.012260	.022286	.000	2765.074	.000000	.000000
2829.060	-17.36	.000000	-.011779	.011779	.000	2879.570	.000000	.000000
2877.420	-18.46	.017577	-.049473	.052502	.000	2874.393	.000000	.000000
2925.780	-15.66	.028960	-.033347	.043347	44.761	2905.955	4.153704	.009919
2974.140	-12.76	.041356	.005799	.041761	38.868	2916.981	4.213129	.013783
3022.500	-11.66	.028950	.002043	.029022	.000	2758.455	.000000	.000000
3070.860	-9.96	.023780	-.004131	.024136	157.776	3122.488	3.193592	-.000414
3119.220	-9.36	.035153	-.018339	.039649	15.933	3127.894	4.451967	.037137
3167.580	-6.56	.062035	-.002754	.062096	46.797	3157.102	4.168356	.024960
3215.940	-3.36	.048594	.022743	.055709	.000	3218.469	.000000	.000000
3264.300	-1.86	.038255	.012331	.040193	.000	3109.659	.000000	.000000
3312.660	.36	.063069	.032751	.071065	.000	2924.074	.000000	.000000
3361.020	4.24	.027916	.060101	.068268	.000	3358.339	.000000	.000000
3409.380	3.04	.020678	.035078	.040719	.000	3378.576	.000000	.000000
3457.740	6.24	.027916	.056911	.063388	.000	3416.731	.000000	.000000
3506.100	5.74	-.002068	.053655	.053695	.000	3351.531	.000000	.000000
3554.460	6.04	.009306	.042158	.043173	.000	3596.012	.000000	.000000
3602.820	6.64	.002068	.065107	.065140	75.010	3599.044	4.007738	-.034109
3651.180	6.24	-.024814	.060906	.065767	76.601	3609.183	3.994254	-.028079
3699.540	4.24	-.037221	.047462	.060316	.000	3656.016	.000000	.000000
3747.900	2.64	-.039289	.024391	.046245	.000	3713.525	.000000	.000000
3796.260	.44	-.015509	.028104	.032099	.000	3875.635	.000000	.000000
3844.620	1.14	-.041356	.048176	.063493	.000	3851.457	.000000	.000000
3892.980	-3.56	-.050662	.013783	.052503	.000	3841.070	.000000	.000000
3941.340	-3.76	-.034119	.024810	.042186	.000	3925.663	.000000	.000000
3989.700	-6.86	-.059967	.018931	.062884	.000	4001.079	.000000	.000000
4038.060	-9.56	-.050662	.002421	.050720	.000	4003.070	.000000	.000000
4086.420	-11.76	-.058933	.002209	.058974	.000	3947.386	.000000	.000000
4134.780	-15.26	-.056865	-.015497	.058939	.000	4145.641	.000000	.000000
4183.140	-17.26	-.055831	-.022705	.060271	.000	4333.368	.000000	.000000
4231.500	-20.66	-.041356	-.038061	.056205	40.336	4239.603	4.324340	-.053384
4279.860	-21.26	-.037221	-.025034	.044857	.000	4234.340	.000000	.000000
4328.220	-24.26	-.044458	-.050330	.067154	.000	4223.440	.000000	.000000
4376.580	-25.56	-.004136	-.049348	.049521	.000	4510.925	.000000	.000000
4424.940	-24.66	-.016543	-.023344	.028611	.000	4619.653	.000000	.000000
4473.300	-27.16	-.013441	-.041710	.043822	.000	4470.799	.000000	.000000
4521.660	-25.96	-.007237	-.016553	.018066	.000	4633.192	.000000	.000000
4570.020	-27.86	-.036187	-.036510	.051405	.000	4571.420	.000000	.000000
4618.380	-29.46	-.003102	-.049946	.050042	.000	4664.942	.000000	.000000
4666.740	-27.56	-.010339	-.009790	.014239	.000	4656.605	.000000	.000000
4715.100	-30.46	-.042390	-.044393	.061382	38.853	4720.240	4.371688	.013533
4763.460	-31.66	-.005170	-.069861	.070052	.000	4770.604	.000000	.000000
4811.820	-30.96	-.009306	-.041251	.042288	.000	4757.202	.000000	.000000
4860.180	-30.76	-.016543	-.050731	.053360	.000	5105.253	.000000	.000000
4908.540	-32.56	.020678	-.079445	.082092	.000	4918.210	.000000	.000000
4956.900	-28.76	.040323	-.030173	.050362	.000	4904.398	.000000	.000000
5005.260	-28.66	.001034	-.035289	.035304	.000	4899.529	.000000	.000000
5053.620	-28.66	.024814	-.054687	.060054	.000	5061.276	.000000	.000000
5101.980	-26.26	.029983	-.034739	.045889	137.494	5033.113	3.804835	-.049107
5150.340	-25.76	.021712	-.031226	.038033	.000	5161.250	.000000	.000000
5198.700	-24.16	.010339	-.043510	.044721	43.594	5217.242	4.359573	.043109
5247.060	-24.76	.039289	-.061118	.072657	.000	5259.189	.000000	.000000
5295.420	-20.36	.049425	-.025892	.055971	.000	5250.328	.000000	.000000
5343.780	-19.96	.026882	-.033805	.043191	.000	5344.513	.000000	.000000
5392.140	-17.76	.043424	-.038833	.058255	.000	5405.058	.000000	.000000
5440.500	-15.76	.037221	-.039387	.054191	.000	5222.880	.000000	.000000
5488.860	-14.16	.068238	-.050421	.084845	.000	5507.431	.000000	.000000
5537.220	-9.16	.074510	-.005136	.074682	.000	5501.836	.000000	.000000
5585.580	-6.76	.045492						

8438.820	14.04	-.021712	.008504	.023318	.000	8399.052	.000000	.000000	.000000
8487.180	12.04	.003102	-.011493	.011904	.000	8501.688	.000000	.000000	.000000
8535.540	14.34	.007237	.016712	.018212	.000	8501.688	.000000	.000000	.000000
8583.900	12.74	-.009305	.000257	.009309	.000	8607.327	.000000	.000000	.000000
8632.260	13.44	.010339	.007773	.012935	.000	8640.360	.000000	.000000	.000000
8680.620	13.74	-.008271	.006749	.010675	.000	8680.501	.000000	.000000	.000000
8728.980	12.64	.016543	.005581	.017459	.000	8572.288	.000000	.000000	.000000
8777.340	15.34	-.009305	.032183	.033501	.000	8777.235	.000000	.000000	.000000
8825.700	11.74	-.016543	.002115	.016677	.000	8779.754	.000000	.000000	.000000
8874.060	13.74	-.009305	.010502	.014031	.000	8884.191	.000000	.000000	.000000
8922.420	10.84	-.013441	-.003109	.013796	.000	8875.728	.000000	.000000	.000000
8970.780	12.44	-.005170	.003703	.006359	.000	9003.428	.000000	.000000	.000000
9019.140	10.34	-.006203	-.010294	.012019	.000	9011.990	.000000	.000000	.000000
9067.500	11.84	.021712	.011896	.024757	.000	9131.184	.000000	.000000	.000000
9115.860	12.44	-.016543	.038545	.041945	24.666	9100.032	4.520526	-.027996	.000004
9164.220	10.24	-.041356	.010218	.042600	207.956	9211.284	1.777452	.265081	-.000049
9212.580	8.44	-.038255	-.020937	.043610	27.739	9195.698	4.512025	-.002760	-.000002
9260.940	6.54	-.004136	-.031851	.032118	.000	9168.089	.000000	.000000	.000000
9309.300	8.04	-.001034	-.011425	.011472	.000	9308.101	.000000	.000000	.000000
9357.660	6.44	-.001034	-.023835	.023835	.000	9522.413	.000000	.000000	.000000
9406.020	8.14	.019644	-.013249	.023694	24.902	9428.038	4.521940	-.001077	-.000001
9454.380	8.34	.024814	.003327	.025036	177.859	9495.600	4.069154	-.145086	.000052
9502.740	10.54	.006203	.032969	.033489	.000	9515.943	.000000	.000000	.000000
9551.100	8.94	-.032051	.005055	.032447	.000	9485.987	.000000	.000000	.000000
9599.460	7.44	.002068	-.018234	.018351	.000	9630.305	.000000	.000000	.000000
9647.820	9.14	.000000	.011377	.011377	.000	9628.610	.000000	.000000	.000000
9696.180	7.44	-.019644	-.009500	.021821	.000	9745.479	.000000	.000000	.000000
9744.540	7.24	.008271	-.023366	.024787	.000	9750.549	.000000	.000000	.000000
9792.900	8.24	.021712	.003457	.021986	52.128	9762.996	4.444408	-.024212	-.000004
9841.260	9.34	.002068	.014353	.014483	50.717	9758.338	4.448668	-.025898	-.000005
9889.620	8.44	-.008271	.009586	.012661	.000	9839.490	.000000	.000000	.000000
9937.980	8.54	-.013441	.001275	.013501	.000	9865.439	.000000	.000000	.000000
9986.340	7.14	-.007237	-.003402	.007997	.000	9981.806	.000000	.000000	.000000
10034.700	7.04	-.018610	-.003285	.018898	.000	10075.750	.000000	.000000	.000000
10083.060	5.34	-.010339	-.034616	.036127	38.894	10086.857	4.487695	.012334	-.000005
10131.420	6.84	.029993	-.024325	.038610	43.136	10141.391	4.475716	-.016862	-.000003
10179.780	8.24	.027916	.010710	.029900	26.724	10144.286	4.522429	-.009362	-.000002
10228.140	9.54	.005170	.018243	.018961	.000	9566.076	.000000	.000000	.000000
10276.500	8.74	-.001034	.009251	.009309	.000	10287.237	.000000	.000000	.000000
10324.860	9.44	-.008271	.016294	.018273	.000	10064.596	.000000	.000000	.000000
10373.220	7.94	-.028950	-.010064	.030649	26.966	10400.249	4.523867	.010105	-.000003
10421.580	6.64	.013441	-.032348	.035029	.000	10438.392	.000000	.000000	.000000
10469.940	9.24	.021712	.014657	.026196	.000	10435.247	.000000	.000000	.000000
10518.300	8.74	-.015509	.000270	.015511	.000	10451.754	.000000	.000000	.000000
10566.660	7.74	.015509	-.018241	.023942	.000	10578.424	.000000	.000000	.000000
10615.020	10.24	.017577	.008999	.017746	.000	10824.656	.000000	.000000	.000000
10663.380	9.44	.015509	.006499	.016815	.000	10676.715	.000000	.000000	.000000
10711.740	11.74	.011373	.033361	.035246	.000	10799.348	.000000	.000000	.000000
10760.100	10.54	-.026882	.023214	.035518	37.095	10763.613	4.499133	.010120	.000003
10808.460	9.14	-.021712	-.005820	.022479	55.042	10754.665	4.450987	.019566	.000006
10856.820	8.44	-.006203	-.011848	.013374	55.923	10884.280	4.449327	-.029335	-.000001
10905.180	8.54	.002068	-.000125	.002072	.000	10831.541	.000000	.000000	.000000
10953.540	8.64	-.012407	-.004386	.013159	.000	10977.500	.000000	.000000	.000000
11001.900	7.34	.007237	-.017765	.019183	.000	11010.856	.000000	.000000	.000000
11050.260	9.34	.014475	.005428	.015459	.000	11011.657	.000000	.000000	.000000
11098.620	8.74	.000000	.007640	.007640	.000	11148.592	.000000	.000000	.000000
11146.980	9.34	.001034	.004077	.004207	.000	11172.178	.000000	.000000	.000000
11195.340	8.84	-.003102	.012203	.012591	.000	11213.993	.000000	.000000	.000000
11243.700	9.04	-.022746	.001453	.022792	.000	11283.735	.000000	.000000	.000000
11292.060	6.64	-.006203	-.026879	.027585	.000	11286.933	.000000	.000000	.000000
11340.420	8.44	.023780	-.008928	.025401	57.425	11363.876	4.454507	-.044279	.000003
11388.780	8.94	.007237	.021081	.022289	.000	11382.110	.000000	.000000	.000000
11437.140	9.14	-.027916	.000273	.027917	44.173	11466.955	4.488007	.049421	-.000006

11485.500	6.24	.006203	-.043156	.043600	.000	11485.193	.000000	.000000	.000000
11533.860	9.74	.052730	.003726	.052861	48.295	11524.245	4.476787	-.042036	-.000002
11582.220	11.34	.006203	.043199	.043642	.000	11576.988	.000000	.000000	.000000
11630.580	10.34	-.018610	.010907	.021571	.000	11576.163	.000000	.000000	.000000
11678.940	9.54	-.003102	.001290	.003359	.000	11700.018	.000000	.000000	.000000
11727.300	10.04	-.002068	.008807	.009047	63.087	11694.462	4.442367	-.028690	-.000001
11775.660	9.34	-.013441	.010588	.017110	.000	11803.605	.000000	.000000	.000000
11824.020	8.74	-.019644	-.012122	.023084	.000	11802.485	.000000	.000000	.000000
11872.380	7.44	.013441	-.015401	.020442	.000	11902.805	.000000	.000000	.000000
11920.740	10.04	.002068	.017897	.018016	.000	11912.721	.000000	.000000	.000000
11969.100	7.64	-.017577	-.009165	.019822	.000	11741.462	.000000	.000000	.000000
12017.460	8.34	.009305	-.008369	.012515	.000	12028.315	.000000	.000000	.000000
12065.820	8.54	-.005170	-.001697	.005441	.000	12008.974	.000000	.000000	.000000
12114.180	7.84	.013441	-.014985	.020129	.000	12136.491	.000000	.000000	.000000
12162.540	9.84	.014475	.014596	.020556	.000	12136.133	.000000	.000000	.000000
12210.900	9.24	-.006203	.002848	.006826	.000	.000	.000000	.000000	.000000
12259.260	9.24	.010339	.001050	.010392	.000	.000	.000000	.000000	.000000
12307.620	10.24	.009271	.011526	.014187	.000	.000	.000000	.000000	.000000



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967.20+
1450.80+
1934.40+
2418.00+
2901.60+
3385.20+
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INPUT PARAMETERS
DELTA=48.4100000 LY= 256 SMOOTH=.000 DECLIN = 2.0 INCLIN = 139.0
DIR = 90.0 STRIKE = 2.0
START EASTING = 448010.0 START NORTHING = 833767.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	DERIVATIVE	REAL IMAGINARY	TOTAL REAL	DEPTH HORIZ-DIST.	MAGNETIC DIP	MAGNETIC OFF-SET	SUSCEPTIB.
24.205	-13.42	.000000	-.002739	.002739	.000	.000	.000000	.000000
72.615	-11.22	.002064	.011338	.011525	.000	.000	.000000	.000000
121.025	-13.22	-.006197	-.015350	.016554	.000	.000	.000000	.000000
169.435	-11.82	.027887	-.012563	.030586	.000	175.677	.000000	.000000
217.845	-10.52	.006197	.015484	.016678	.000	297.232	.000000	.000000
266.255	-11.22	.008263	-.007589	.011219	.000	259.724	.000000	.000000
314.665	-9.72	.014460	.020143	.024795	.000	374.226	.000000	.000000
363.075	-9.82	-.017558	.019121	.025960	.000	378.873	.000000	.000000
411.485	-11.42	-.026854	-.009377	.028444	30.145	381.748	2.081907	.015835
459.895	-12.42	.000000	-.024119	.024119	10.474	457.191	3.942895	-.008398
508.305	-11.42	.007230	-.005159	.008882	.000	504.811	.000000	.000000
556.715	-11.72	.000000	.003386	.003386	.000	556.165	.000000	.000000
605.125	-11.42	-.027887	-.007784	.028953	25.089	631.008	3.492533	.014444
653.535	-14.42	.004131	-.046200	.046384	.000	656.111	.000000	.000000
701.945	-11.02	.021690	-.005188	.022302	.000	635.116	.000000	.000000
750.355	-12.32	.001033	-.019601	.019628	.000	737.902	.000000	.000000
798.765	-10.92	.021690	-.013250	.025417	.000	812.343	.000000	.000000
847.175	-10.22	.012394	-.015812	.020091	.000	827.612	.000000	.000000
895.585	-9.72	.038215	.007966	.039037	.000	959.466	.000000	.000000
943.995	-6.52	.020657	.020394	.029028	.000	930.444	.000000	.000000
992.405	-7.72	.002064	.009598	.009819	87.989	990.473	1.686196	.052665
1040.815	-6.32	.007230	-.003841	.008187	.000	1031.806	.000000	.000000
1089.225	-7.02	.021690	.003078	.024045	.000	1073.884	.000000	.000000
1137.635	-4.22	-.006197	.021122	.022012	.000	1162.978	.000000	.000000
1186.045	-7.62	-.003099	-.007117	.007762	.000	1172.159	.000000	.000000
1234.455	-4.52	.010328	.012222	.016002	13.607	1242.309	4.285060	-.009756
1282.865	-6.62	-.016526	.010912	.019803	.000	1310.310	.000000	.000000
1331.275	-6.12	-.013427	-.013361	.018942	26.346	1301.596	3.981583	.014320
1379.685	-7.92	.006197	-.017021	.018114	43.802	1390.981	3.675263	-.013856
1428.095	-5.52	.010328	.000159	.010330	.000	1390.981	.000000	.000000
1476.505	-6.92	-.001033	-.006804	.006882	.000	1481.472	.000000	.000000
1524.915	-5.62	.016526	-.005544	.017437	.000	1509.430	.000000	.000000
1573.325	-5.32	.006197	.008127	.010220	.000	1583.958	.000000	.000000
1621.735	-5.02	.008263	.005181	.009710	.000	2209.025	.000000	.000000
1670.145	-4.52	-.007230	.018947	.020279	.000	1683.976	.000000	.000000
1718.555	-5.72	-.018591	-.005645	.019429	.000	1627.423	.000000	.000000
1766.965	-4.32	-.004131	-.004259	.005933	.000	1661.539	.000000	.000000
1815.375	-6.12	-.018591	-.004202	.019060	.000	1833.038	.000000	.000000
1863.785	-8.12	-.021690	-.025792	.033700	170.822	1951.340	2.149071	.151947
1912.195	-8.22	.000000	-.025153	.025153	45.295	1932.391	3.323094	.000100
1960.605	-8.12	.051642	-.034538	.062127	52.693	1979.764	4.077820	-.040458
2009.015	-3.22	.037182	.025064	.044841	.000	1991.216	.000000	.000000
2057.425	-4.52	-.009296	.010333	.013899	.000	1989.441	.000000	.000000
2105.835	-4.12	.006197	-.012661	.014096	.000	2124.197	.000000	.000000
2154.245	-3.92	.008263	.000550	.008881	.000	2122.819	.000000	.000000
2202.655	-3.32	.000000	-.009228	.009228	.000	2224.875	.000000	.000000
2251.065	-3.92	.010328	-.010428	.014677	.000	2270.144	.000000	.000000
2299.475	-2.32	.001033	-.013172	.013212	.000	2590.450	.000000	.000000

2347.885	-3.82	.027887	-.031920	.042384	.000	2364.771	.000000	.000000
2396.295	.38	.043379	.014372	.045698	.000	2355.367	.000000	.000000
2444.705	.38	.002064	.012072	.012247	.000	2472.054	.000000	.000000
2493.115	.58	.017558	-.009955	.017584	.000	2487.527	.000000	.000000
2541.525	2.08	.007230	.003911	.008220	.000	2536.435	.000000	.000000
2589.935	1.28	.027887	-.000150	.027887	.000	2670.835	.000000	.000000
2638.345	4.78	.006197	.033239	.033812	.000	2639.527	.000000	.000000
2686.755	1.88	-.017558	-.002149	.017689	10.091	2654.815	4.488706	.020461
2735.165	3.08	.008263	-.011658	.014290	.000	2747.854	.000000	.000000
2783.575	2.68	.013427	.001638	.013527	.000	2747.473	.000000	.000000
2831.985	4.38	.003099	.003978	.005043	.000	2875.852	.000000	.000000
2880.395	2.38	.006197	-.022269	.023115	.000	2870.367	.000000	.000000
2928.805	4.98	.028920	-.003357	.029114	.000	2831.950	.000000	.000000
2977.215	5.18	.019624	.003602	.019952	.000	2987.811	.000000	.000000
3025.625	6.88	.020657	.017812	.022726	.000	2998.842	.000000	.000000
3074.035	7.18	-.006197	.009098	.011008	.000	3121.808	.000000	.000000
3122.445	6.28	.016526	-.006093	.017613	.000	2850.495	.000000	.000000
3170.855	8.78	.008263	.016050	.018052	.000	3175.640	.000000	.000000
3219.265	7.08	.003099	-.006603	.007294	.000	3143.029	.000000	.000000
3267.675	9.08	.024788	.006988	.025754	.000	3345.876	.000000	.000000
3316.085	9.48	.003099	.022557	.022769	.000	3319.984	.000000	.000000
3364.495	9.38	-.012394	.001192	.012451	69.889	3358.602	4.256226	.047701
3412.905	8.28	.010328	-.019125	.021736	.000	3419.239	.000000	.000000
3461.315	10.38	.028920	.008652	.030186	.000	3387.824	.000000	.000000
3509.725	11.08	.003099	.012400	.012781	.000	3521.581	.000000	.000000
3558.135	10.68	.017558	.004994	.018255	.000	3451.206	.000000	.000000
3606.545	12.78	-.002064	.023733	.023822	.000	3621.760	.000000	.000000
3654.955	10.48	-.008263	-.010319	.013220	32.884	3633.608	4.294461	.024279
3703.365	11.98	.015493	-.005629	.016483	.000	3849.663	.000000	.000000
3751.775	11.98	.020657	-.004914	.021233	.000	3737.092	.000000	.000000
3800.185	13.98	.030985	.026139	.040538	.000	3702.434	.000000	.000000
3848.595	14.98	-.016526	.023633	.028837	.000	3803.672	.000000	.000000
3897.005	12.38	.010328	-.012106	.015913	.000	3914.744	.000000	.000000
3945.415	15.98	.013427	.028492	.031497	.000	3915.447	.000000	.000000
3993.825	13.68	-.021690	.002649	.021853	.000	4057.452	.000000	.000000
4042.235	13.88	.012394	-.019160	.022819	.000	4044.040	.000000	.000000
4090.645	14.68	.028920	.007144	.029789	102.877	4074.602	3.830608	-.073794
4139.055	16.68	.009296	.028534	.030610	.000	4142.878	.000000	.000000
4187.465	15.78	-.016526	.004478	.017121	45.377	4181.743	4.346530	.041139
4235.875	15.08	.017558	-.017808	.025008	.000	4247.189	.000000	.000000
4284.285	17.48	.032018	.021090	.038340	.000	4254.929	.000000	.000000
4332.695	18.18	-.004131	.029455	.029743	.000	4352.362	.000000	.000000
4381.105	17.08	-.007230	-.002345	.007607	.000	4352.362	.000000	.000000
4429.515	17.48	.022723	.001379	.022764	.000	4459.102	.000000	.000000
4477.925	19.28	.015493	.030574	.034275	45.059	4452.373	4.322128	-.026849
4526.335	18.98	-.013427	.029367	.032291	37.563	4554.414	4.474750	.028162
4574.745	17.98	-.021690	-.001935	.021726	.000	4543.872	.000000	.000000
4623.155	16.88	.013427	-.008300	.015785	.000	4654.024	.000000	.000000
4671.565	19.28	.003099	.025584	.025771	.000	4660.692	.000000	.000000
4719.975	17.18	-.020657	-.001070	.020685	.000	4622.151	.000000	.000000
4768.385	17.28	.008263	-.009605	.012670	.000	4802.868	.000000	.000000
4816.795	17.98	.002064	.015217	.015356	.000	4801.321	.000000	.000000
4865.205	17.48	-.029952	-.004101	.030232	.000	4909.396	.000000	.000000
4913.615	15.08	.002064	-.053984	.054024	.000	4913.615	.000000	.000000
4962.025	17.68	.059905	-.009262	.060617	47.626	4965.673	4.339747	-.054230
5010.435	20.88	.002064	.037479	.037536	.000	5015.705	.000000	.000000
5058.845	17.88	.034084	-.030175	.045522	76.776	5055.344	4.197487	.136712
5107.255	17.58	.025821	-.075026	.079345	73.482	5061.447	4.195776	.123462
5155.665	20.38	.080562	-.052299	.096049	.000	5006.327	.000000	.000000
5204.075	25.38	.104317	-.021780	.106567	.000	5229.781	.000000	.000000
5252.485	30.48	.124974	.007288	.125187	.000	4627.989	.000000	.000000
5300.895	37.48	.154927	.046299	.161697	68.495	5380.604	4.234565	.037542
5349.305	45.48	.169386	.145813	.223502	73.087	5389.254	4.210594	.022655

5397.715	53.88	.077463	.238203	.250482	.000	6929.549	.000000	.000000	.000000
5446.125	52.98	-.026854	.246808	.248066	.000	5754.613	.000000	.000000	.000000
5494.535	51.28	-.137368	.220281	.259603	165.938	5555.219	4.163945	.402039	-.000004
5542.945	39.68	-.203470	.105721	.229297	92.848	5506.332	4.111179	.010881	.000049
5591.355	31.58	-.176616	.017063	.177439	.000	5758.045	.000000	.000000	.000000
5639.765	22.58	-.133237	-.037021	.138285	80.478	5740.651	4.200378	-.283536	.000033
5688.185	18.68	-.073435	-.037550	.083507	.000	5643.705	.000000	.000000	.000000
5736.585	15.38	-.074365	-.026061	.077166	.000	5745.380	.000000	.000000	.000000
5784.995	11.48	-.071266	-.042795	.063128	40.373	5585.805	4.399615	-.049686	-.000004
5833.405	8.48	-.045445	-.057743	.073482	99.046	5833.900	4.112587	-.029967	-.000021
5881.815	7.08	-.013427	-.051051	.053271	72.790	5804.318	4.243085	.000529	-.000007
5930.225	7.18	-.061033	-.031918	.031035	.000	5674.367	.000000	.000000	.000000
5978.635	6.98	.003099	-.018941	.019193	.000	5954.430	.000000	.000000	.000000
6027.045	7.48	.009296	-.000664	.009319	31.594	6088.169	4.449256	-.013510	.000006
6075.455	7.88	-.013427	-.030739	.033544	25.977	6088.334	4.475710	-.011583	.000065
6123.865	6.18	-.060938	.003419	.061034	.000	6071.098	.000000	.000000	.000000
6172.275	1.98	-.036150	-.035140	.050414	.000	6189.760	.000000	.000000	.000000
6220.685	2.68	-.032018	-.034204	.046852	.000	6350.717	.000000	.000000	.000000
6269.095	-1.12	.005164	-.067689	.067885	51.299	6296.273	4.454764	-.032803	-.000003
6317.505	3.18	.054741	-.005688	.055035	51.465	6314.776	-175.298335	-.057895	.000000
6365.915	4.18	-.001033	.037308	.037322	.000	6352.837	.000000	.000000	.000000
6414.325	3.08	-.034084	.009775	.035004	186.711	6422.471	3.552560	.298609	.000015
6462.735	.88	-.025821	-.025826	.036520	.000	6447.408	.000000	.000000	.000000
6511.145	.58	.016526	-.018039	.024464	.000	6546.102	.000000	.000000	.000000
6559.555	2.48	-.007230	.032670	.033460	.000	6552.445	.000000	.000000	.000000
6607.965	-1.12	-.063004	-.009718	.063674	43.250	6627.433	4.411395	.039185	-.000003
6656.375	-3.62	-.012394	-.063324	.064525	.000	6654.506	.000000	.000000	.000000
6704.785	-1.32	.026854	-.016361	.031446	.000	6646.414	.000000	.000000	.000000
6753.195	-1.92	-.008263	-.033897	.009134	.000	6935.334	.000000	.000000	.000000
6801.605	-2.12	.063099	-.025628	.025815	.000	6791.211	.000000	.000000	.000000
6850.015	-.72	.015493	-.007611	.017261	72.522	6861.895	4.303048	-.024018	.000002
6898.425	-.62	.004131	.002720	.004946	.000	6900.857	.000000	.000000	.000000
6946.835	-.32	-.011361	.004290	.012984	57.590	6973.104	4.362715	.035652	-.000005
6995.245	-1.72	.010328	-.029443	.031202	.000	7004.608	.000000	.000000	.000000
7043.655	.68	.035117	.012832	.037388	.000	7013.813	.000000	.000000	.000000
7092.065	1.68	-.018591	.026594	.032448	.000	7094.460	.000000	.000000	.000000
7140.475	-1.12	-.011361	-.015774	.019440	.000	7137.660	.000000	.000000	.000000
7188.885	.58	-.005164	.008778	.010184	.000	7486.248	.000000	.000000	.000000
7237.295	-1.62	-.027880	-.033161	.043328	.000	7202.534	.000000	.000000	.000000
7285.705	-2.12	.050609	-.032297	.060037	.000	7323.309	.000000	.000000	.000000
7334.115	3.28	.020657	.053680	.057451	.000	7319.530	.000000	.000000	.000000
7382.525	-1.12	-.048544	.011349	.049853	51.937	7386.149	4.393917	.062349	.000004
7430.935	-1.42	-.017558	-.038596	.042402	.000	7405.328	.000000	.000000	.000000
7479.345	-1.82	.022723	-.028035	.036087	75.893	7446.025	4.305683	-.023251	-.000016
7527.755	.78	.024788	.002623	.024927	.000	7557.558	.000000	.000000	.000000
7576.165	.58	.015493	.010013	.018447	246.831	7525.068	3.786815	-.128987	.000012
7624.575	2.28	-.002064	.024773	.024859	58.731	7674.794	4.380503	.046277	-.000007
7672.985	.38	-.022723	-.008225	.024165	.000	7629.712	.000000	.000000	.000000
7721.395	.88	.013427	-.014098	.019469	.000	7751.468	.000000	.000000	.000000
7769.805	1.68	.007230	-.000218	.007233	.000	7758.632	.000000	.000000	.000000
7818.215	.78	.028920	.005370	.029451	.000	7886.875	.000000	.000000	.000000
7866.625	4.48	-.005164	.049576	.049844	.000	7870.633	.000000	.000000	.000000
7915.035	.28	-.044478	.001056	.046490	41.250	7937.852	4.447618	.029859	.000004
7963.445	-.02	-.007230	-.027424	.028361	40.688	7890.316	4.449740	.031709	.000005
8011.855	-.42	.009296	-.015573	.018137	.000	7986.924	.000000	.000000	.000000
8060.265	.88	.016526	-.002351	.016692	.000	8007.196	.000000	.000000	.000000
8108.675	1.18	.010328	.004814	.011396	.000	8128.909	.000000	.000000	.000000
8157.085	.88	.012394	.013554	.018366	.000	7757.330	.000000	.000000	.000000
8205.495	2.38	-.012394	.018962	.022653	.000	8234.261	.000000	.000000	.000000
8253.905	.68	-.013427	-.015904	.020816	54.911	8242.420	4.408891	.041370	-.000003
8302.315	1.08	.024788	-.015596	.029825	24.114	8314.683	4.514844	.000468	-.000003
8350.725	3.08	.038215	.018629	.042514	151.793	8348.119	4.142348	-.169421	.000006
8399.135	4.38	.013427	.007230	.018366	57.290	8406.687	4.476764	.000000	.000000

8447.545	4.38	-.029952	.039951	.049932	52.693	8415.049	4.418518	.014523	.000009
8495.955	1.88	-.021690	.005600	.022401	.000	8492.162	.000000	.000000	.000000
8544.365	2.28	-.011361	.025259	.027697	.000	8098.482	.000000	.000000	.000000
8592.775	.78	-.044412	.009801	.045481	.000	8733.456	.000000	.000000	.000000
8641.185	-2.02	-.012394	-.021523	.024837	.000	8649.885	.000000	.000000	.000000
8689.395	-.42	.003099	.015994	.015899	.000	8654.809	.000000	.000000	.000000
8738.005	-1.72	-.033051	.017214	.037265	.000	8765.999	.000000	.000000	.000000
8786.415	-3.62	-.028920	-.018033	.034081	.000	8767.063	.000000	.000000	.000000
8834.825	-4.52	.005164	-.005065	.007233	20.205	8846.554	4.533405	-.035697	.000000
8883.235	-3.12	-.025821	.021096	.033343	.000	8896.915	.000000	.000000	.000000
8931.645	-7.02	-.034084	-.022281	.040720	.000	8896.512	.000000	.000000	.000000
8980.055	-6.42	-.001033	-.010971	.011019	.000	9009.765	.000000	.000000	.000000
9028.465	-7.12	-.018591	-.003845	.018985	.000	9028.880	.000000	.000000	.000000
9076.875	-8.22	-.010328	-.007547	.012792	.000	9073.416	.000000	.000000	.000000
9125.285	-8.12	-.029952	-.009771	.031506	.000	9239.453	.000000	.000000	.000000
9173.695	-11.12	-.002066	-.041417	.041468	.000	9183.315	.000000	.000000	.000000
9222.105	-8.32	.017558	.003898	.017986	.000	9151.352	.000000	.000000	.000000
9270.515	-9.42	-.021690	-.004450	.022141	.000	9279.883	.000000	.000000	.000000
9318.925	-10.42	.007230	-.016265	.017800	.000	9274.146	.000000	.000000	.000000
9367.335	-8.72	-.013427	.008276	.015773	.000	9389.774	.000000	.000000	.000000
9415.745	-11.72	-.013427	-.031315	.034072	.000	9393.404	.000000	.000000	.000000
9464.155	-10.02	.025821	-.007496	.026887	.000	9505.580	.000000	.000000	.000000
9512.565	-9.22	-.006197	.023277	.024087	.000	9507.519	.000000	.000000	.000000
9560.975	-10.62	-.034084	-.004039	.034322	87.200	9562.921	4.316096	.067120	.000001
9609.385	-12.52	-.014460	-.035288	.036136	24.551	9592.937	4.524908	.011593	-.000003
9657.795	-12.02	.017558	-.023665	.029467	76.723	9662.960	4.368724	-.042260	-.000006
9706.205	-10.82	.017558	.002997	.017812	157.703	9627.221	4.123770	-.154519	-.000053
9754.615	-10.32	-.002066	.017113	.017237	59.409	9765.323	4.423649	.002295	.000007
9803.025	-11.02	-.025821	.003974	.026125	86.348	9808.084	4.341886	.034689	.000004
9851.435	-12.82	-.021690	-.020504	.029847	104.734	9799.527	4.287791	.052075	.000009
9899.845	-13.12	-.003099	-.027921	.028092	73.640	9908.660	4.384828	-.014490	-.000007
9948.255	-13.12	.012394	-.017222	.021218	123.643	9963.777	4.134725	-.062469	-.000001
9996.665	-11.92	.009296	-.000259	.009299	65.999	9973.249	4.412706	-.023056	.000001
10045.075	-12.22	-.008263	.003392	.008932	.000	10078.446	.000000	.000000	.000000
10093.485	-12.72	-.016526	-.021188	.026870	28.304	10082.520	4.517926	.020728	-.000002
10141.895	-13.82	.019624	-.029517	.035445	.000	10161.076	.000000	.000000	.000000
10190.305	-10.82	.022723	.011397	.025421	.000	10160.999	.000000	.000000	.000000
10238.715	-11.62	-.006197	.008960	.010894	.000	10317.840	.000000	.000000	.000000
10287.125	-11.42	-.007230	.005714	.009215	.000	10269.044	.000000	.000000	.000000
10335.535	-12.32	-.026854	-.010389	.028793	.000	10396.048	.000000	.000000	.000000
10383.945	-14.02	.003099	-.034542	.034681	28.343	10361.253	4.519828	.007940	-.000002
10432.355	-12.02	.014460	-.009488	.017295	.000	10378.330	.000000	.000000	.000000
10480.765	-12.62	.013427	-.013189	.018821	.000	10477.647	.000000	.000000	.000000
10529.175	-10.72	.023755	.009142	.025454	.000	10620.529	.000000	.000000	.000000
10577.585	-10.32	-.004131	.020451	.020864	21.097	10572.925	4.540924	.001281	.000003
10625.995	-11.12	-.016526	.001901	.016635	127.356	10585.250	4.250625	.063801	.000019
10674.405	-11.92	-.009296	-.011110	.014486	53.758	10648.064	4.454704	.009782	-.000001
10722.815	-12.02	.004131	-.011461	.012183	54.308	10777.731	4.454068	-.032269	.000005
10771.225	-11.52	.008263	.008942	.012175	.000	10754.019	.000000	.000000	.000000
10819.635	-11.22	-.026854	.009605	.028520	.000	10851.271	.000000	.000000	.000000
10868.045	-14.12	-.015493	-.033937	.037306	.000	10852.380	.000000	.000000	.000000
10916.455	-12.72	.016526	-.012744	.020869	.000	10719.408	.000000	.000000	.000000
10964.865	-12.52	.002066	-.004433	.004891	.000	10972.382	.000000	.000000	.000000
11013.275	-12.52	.007230	.004366	.008446	.000	10987.087	.000000	.000000	.000000
11061.685	-11.82	-.025821	.001787	.025883	.000	11106.505	.000000	.000000	.000000
11110.095	-15.02	-.004131	-.041344	.041549	.000	11105.443	.000000	.000000	.000000
11158.505	-12.22	.030985	-.005870	.031536	.000	11096.489	.000000	.000000	.000000
11206.915	-12.02	-.003099	.009614	.010101	.000	11212.139	.000000	.000000	.000000
11255.325	-12.52	.000000	-.007782	.007782	.000	11100.314	.000000	.000000	.000000
11303.735	-12.02	-.005164	.017317	.005382	.000	11320.678	.000000	.000000	.000000
11352.145	-13.02	-.009296	-.007559	.020027	48.781	11370.721	4.475354	.009728	-.000003
11400.555	-12.92	.009296	-.018247	.020478	33.544	11393.747	4.513734	.003486	-.000002
11448.965	-12.12	.015493	-.007494	.017210	.000	11436.437	.000000	.000000	.000000

11497.375	-11.42	.011361	.006930	.013308	99.052	11504.435	4.352438	-.020442	.000008
11545.785	-11.02	-.006197	.010205	.011939	42.077	11575.309	4.492993	.017095	.000001
11594.195	-12.02	-.019624	-.008772	.021495	48.234	11578.579	4.476820	.019857	.000001
11642.605	-12.92	.002066	-.026303	.026384	.000	11640.667	.000000	.000000	.000000
11691.015	-11.82	.011361	-.007825	.013796	.000	11636.837	.000000	.000000	.000000
11739.425	-11.82	.004131	-.009118	.010010	.000	11779.744	.000000	.000000	.000000
11787.835	-11.42	.007230	-.011338	.013447	.000	11777.488	.000000	.000000	.000000
11836.245	-11.12	.019624	-.009478	.021793	14.603	11873.148	4.562877	-.000567	.000001
11884.655	-9.52	.014460	.013477	.019766	70.455	11871.124	4.429066	-.017512	.000004
11933.065	-9.72	-.006197	.010052	.011809	23.461	11969.243	4.542082	.026369	-.000002
11981.475	-10.12	-.015493	-.011367	.019216	.000	11945.869	.000000	.000000	.000000
12029.885	-11.22	.026854	-.021351	.034308	.000	12072.267	.000000	.000000	.000000
12078.295	-7.52	.004131	.039329	.039545	.000	12073.722	.000000	.000000	.000000
12126.705	-10.82	-.038215	-.022189	.044190	30.528	12117.429	4.528876	.036606	-.000000
12175.115	-11.22	.019624	-.028555	.034648	.000	12158.148	.000000	.000000	.000000
12223.525	-8.92	.030985	-.010502	.032717	.000	.000	.000000	.000000	.000000
12271.935	-8.22	.026854	.057492	.063454	.000	.000	.000000	.000000	.000000
12320.345	-6.32	-.023755	.013843	.027495	.000	.000	.000000	.000000	.000000

.00+
 484.10+
 968.20+
 1452.30+
 1936.40+
 2420.50+
 2904.60+
 3388.70+
 3872.80+
 4356.90+
 4841.00+
 5325.10+
 5809.20+
 6293.30+
 6777.40+
 7261.50+
 7745.60+
 8229.70+
 8713.80+
 9197.90+
 9682.00+
 10166.10+
 10650.20+
 11134.30+
 11618.40+
 12102.50+

MAGNETIC ANOMALY

.00+
484.10+
968.20+
1452.30+
1936.40+
2420.50+
2904.60+
3388.70+
3872.80+
4356.90+
4841.00+
5325.10+
5809.20+
6293.30+
6777.40+
7261.50+
7745.60+
8229.70+
8713.80+
9197.90+
9682.00+
10166.10+
10650.20+
11134.30+
11618.40+
12102.50+

HORIZONTAL BLANKET

.00+
484.10+
968.20+
1452.30+
1936.40+
2420.50+
2904.60+
3388.70+
3872.80+
4356.90+
4841.00+
5325.10+
5809.20+
6293.30+
6777.40+
7261.50+
7745.60+
8229.70+
8713.80+
9197.90+
9682.00+
10166.10+
10650.20+
11134.30+
11618.40+
12102.50+

ANALYTICAL FUNCTION

.00+
484.10+
968.20+
1452.30+
1936.40+
2420.50+
2904.60+
3388.70+
3872.80+
4356.90+
4841.00+
5325.10+
5809.20+
6293.30+
6777.40+
7261.50+
7745.60+
8229.70+
8713.80+
9197.90+
9682.00+
10166.10+
10650.20+
11134.30+
11618.40+
12102.50+

ANOMALY DEPTH PLOT

CR85/164

INPUT PARAMETERS
DIP = 48.2600000 LIA = 254 SAGITT = 750 DECLIN = 2.0 INCLIN = 139.0
DIB = 20.0 STRIKE = 2.0
START EASTING = 448043.0 START NORTHING = 853494.0
START LOCATION = .000

HORIZONTAL DERIVATIVE

LOCATION OF X	MAGNETIC READING	REAL DERIVATIVE	IMAGINARY DERIVATIVE	TOTAL REAL	DEPTH	MAGNETIC HORIZ-DIST.	DIP	MAGNETIC OFF-SET	SUSEPTIB.
74.134	-10.94	.000000	-.014703	.014703	.000	.000	.000000	.000000	.000000
72.390	-9.16	.029010	.026450	.039258	.000	.000	.000000	.000000	.000000
120.450	-8.14	.012433	.035058	.037197	.000	.000	.000000	.000000	.000000
168.910	-7.94	-.021757	.038297	.044044	63.474	179.501	-18.317123	.037097	-.000001
217.174	-10.26	-.018649	-.002419	.018805	.000	201.024	.000000	.000000	.000000
245.430	-9.74	.005180	.025455	.026173	.000	304.847	.000000	.000000	.000000
313.690	-9.74	-.046622	.026483	.053619	.000	354.621	.000000	.000000	.000000
341.950	-14.24	-.027973	-.032364	.042778	.000	352.664	.000000	.000000	.000000
410.210	-12.46	.014505	.005080	.015369	.000	50.499	.000000	.000000	.000000
458.470	-12.86	-.037298	.013984	.039834	.000	522.108	.000000	.000000	.000000
504.730	-16.04	-.014505	-.037241	.039966	.000	498.017	.000000	.000000	.000000
554.990	-14.24	.023829	-.000325	.023831	51.482	560.917	2.810828	-.056730	.000002
603.250	-13.74	-.012433	.028392	.030995	.000	599.820	.000000	.000000	.000000
651.510	-15.46	-.040406	-.003058	.040522	71.922	631.064	.945591	.039314	.000035
699.770	-17.66	-.019685	-.029589	.035539	.000	760.416	.000000	.000000	.000000
748.030	-17.36	.001036	-.034225	.034241	.000	298.786	.000000	.000000	.000000
796.290	-17.56	.038334	-.013395	.040607	53.214	819.666	2.862446	-.048458	.000009
844.550	-13.64	.007252	.040879	.048137	.000	839.358	.000000	.000000	.000000
892.810	-17.86	-.037298	.003126	.037429	23.115	855.653	3.817834	.016016	.000006
941.070	-14.24	-.009324	-.019571	.021679	.000	918.469	.000000	.000000	.000000
989.330	-17.74	.000000	-.010244	.010244	.000	985.381	.000000	.000000	.000000
1037.590	-17.24	.000000	.001226	.001226	.000	1011.515	.000000	.000000	.000000
1085.850	-17.74	-.013469	-.007707	.015518	.000	1145.817	.000000	.000000	.000000
1134.110	-18.54	.004214	-.023654	.024459	.000	1142.427	.000000	.000000	.000000
1182.370	-17.14	.020721	.004067	.021184	.000	1146.010	.000000	.000000	.000000
1230.630	-16.54	-.004144	.012154	.012841	.000	1338.118	.000000	.000000	.000000
1278.890	-17.54	-.003104	.000194	.003114	.000	1270.164	.000000	.000000	.000000
1327.150	-16.84	-.005180	.003709	.006371	.000	1282.912	.000000	.000000	.000000
1375.410	-18.04	.003100	-.003544	.004714	.000	1413.462	.000000	.000000	.000000
1423.670	-16.54	.000000	.029554	.029554	.000	1416.104	.000000	.000000	.000000
1471.930	-18.04	-.053875	.004277	.054044	.000	1507.656	.000000	.000000	.000000
1520.190	-21.74	-.004214	-.049887	.050273	.000	1526.546	.000000	.000000	.000000
1568.450	-18.54	.022793	.010982	.025301	.000	1510.792	.000000	.000000	.000000
1616.710	-19.56	-.034242	.002527	.036350	.000	1748.399	.000000	.000000	.000000
1664.970	-22.14	.001036	-.041559	.041571	.000	1664.986	.000000	.000000	.000000
1713.230	-19.44	.025981	.005084	.026396	.000	1674.603	.000000	.000000	.000000
1761.490	-19.44	-.016577	.014495	.022020	.000	1786.018	.000000	.000000	.000000
1809.750	-21.04	-.013469	-.020250	.024320	.000	1790.279	.000000	.000000	.000000
1858.010	-20.94	.009324	-.003403	.009974	.000	1926.421	.000000	.000000	.000000
1906.270	-20.46	-.017613	-.002114	.017740	.000	1841.217	.000000	.000000	.000000
1954.530	-22.46	.005180	-.024725	.025262	.000	1966.720	.000000	.000000	.000000
2002.790	-19.66	.010361	.006553	.012259	.000	1967.343	.000000	.000000	.000000
2051.050	-21.66	-.006216	.001561	.006409	.000	2088.703	.000000	.000000	.000000
2099.310	-20.24	-.001036	.005537	.005633	.000	2061.124	.000000	.000000	.000000
2147.570	-21.74	-.021757	.000501	.021763	.000	2183.635	.000000	.000000	.000000
2195.830	-22.36	-.014505	-.029045	.026389	.000	2182.127	.000000	.000000	.000000
2244.090	-23.16	.011397	-.018261	.021526	17.324	2282.966	4.381375	-.033442	.000004
2292.350	-21.26	.000000	-.019760	.019760	.000	2282.966	.000000	.000000	.000000

2340.610	-23.16	-.048695	-.015743	.051176	26.216	2351.563	4.283433	.021502	-.000002
2388.870	-25.96	.010361	-.057202	.058132	.000	2401.282	.000000	.000000	.000000
2437.130	-22.16	.022793	.003715	.023094	.000	2400.061	.000000	.000000	.000000
2485.390	-23.76	-.015541	-.020554	.025768	.000	2481.725	.000000	.000000	.000000
2533.650	-23.66	.034190	-.027410	.043821	.000	2575.163	.000000	.000000	.000000
2581.910	-20.44	.016577	.030283	.034523	.000	2569.423	.000000	.000000	.000000
2630.170	-22.06	-.040406	-.001351	.040429	33.689	2656.512	4.239673	.055573	-.000005
2678.430	-24.36	.000000	-.058092	.058092	.000	2673.168	.000000	.000000	.000000
2726.690	-22.06	.054911	-.012032	.056411	57.799	2723.074	3.950060	-.064313	-.000003
2774.950	-19.06	.011397	.034360	.036201	.000	2760.697	.000000	.000000	.000000
2823.210	-20.94	-.025901	.005643	.026509	125.402	2857.651	3.436123	.183104	-.000024
2871.470	-21.56	-.017613	-.034589	.038815	13.865	2856.444	4.459827	.029560	-.000003
2919.730	-22.66	.037298	-.038092	.053311	21.718	2944.754	4.403252	-.031797	.000000
2967.990	-17.96	.036262	.026535	.044934	.000	2944.754	.000000	.000000	.000000
3016.250	-19.16	-.020721	.011982	.023936	.000	3033.236	.000000	.000000	.000000
3064.510	-19.96	.002072	-.027225	.027303	.000	3049.534	.000000	.000000	.000000
3112.770	-18.96	.027973	-.007636	.028997	60.795	3098.465	4.028599	-.017696	-.000007
3161.030	-17.26	.016577	.011679	.020278	.000	3153.992	.000000	.000000	.000000
3209.290	-17.36	.005180	.003727	.006381	.000	3109.958	.000000	.000000	.000000
3257.550	-16.76	.016577	.003456	.016933	.000	3312.773	.000000	.000000	.000000
3305.810	-15.76	.009324	.019327	.021459	.000	3299.054	.000000	.000000	.000000
3354.070	-15.86	-.007252	.010424	.012698	44.831	3382.587	4.222974	.026749	-.000002
3402.330	-16.46	.004144	-.005975	.007271	.000	3399.395	.000000	.000000	.000000
3450.590	-15.46	.024865	.012724	.027932	48.122	3472.682	4.205533	-.023471	.000004
3498.850	-14.06	.000000	.039286	.039286	.000	3496.825	.000000	.000000	.000000
3547.110	-15.46	-.022793	.016065	.027886	.000	3441.421	.000000	.000000	.000000
3595.370	-16.26	-.007252	.010826	.013031	.000	3565.007	.000000	.000000	.000000
3643.630	-16.16	-.020721	.017550	.027156	.000	3771.066	.000000	.000000	.000000
3691.890	-18.26	-.017613	.000850	.017633	.000	3690.540	.000000	.000000	.000000
3740.150	-17.86	-.013469	.014663	.019910	.000	3489.310	.000000	.000000	.000000
3788.410	-19.56	-.031082	.005212	.031516	.000	3814.225	.000000	.000000	.000000
3836.670	-20.86	-.016577	-.001585	.016652	.000	4115.127	.000000	.000000	.000000
3884.930	-21.16	-.027973	.012577	.030671	.000	3872.697	.000000	.000000	.000000
3933.190	-23.56	-.038334	-.005187	.038683	.000	3494.592	.000000	.000000	.000000
3981.450	-24.86	-.035226	-.002933	.035348	.000	3975.326	.000000	.000000	.000000
4029.710	-24.94	-.054911	-.022122	.059199	.000	4039.094	.000000	.000000	.000000
4077.970	-30.16	-.027973	-.042296	.050710	.000	4093.600	.000000	.000000	.000000
4126.230	-29.66	-.038334	-.031161	.049402	.000	4169.550	.000000	.000000	.000000
4174.490	-33.86	-.019685	-.022267	.045906	.000	4182.775	.000000	.000000	.000000
4222.750	-31.56	.044550	-.037738	.058385	32.065	4212.581	4.377828	-.038054	-.000003
4271.010	-29.56	-.006216	.003881	.007328	30.639	4218.324	4.387199	-.035376	-.000002
4319.270	-32.16	-.022793	-.027028	.035356	.000	4296.766	.000000	.000000	.000000
4367.530	-31.76	-.027973	-.049545	.056897	64.405	4396.561	4.179571	.037629	-.000015
4415.790	-34.86	.025901	-.082573	.086540	.000	4436.406	.000000	.000000	.000000
4464.050	-29.26	.058019	-.004208	.058171	.000	4422.128	.000000	.000000	.000000
4512.310	-29.26	-.019685	.000924	.019707	.000	4552.520	.000000	.000000	.000000
4560.570	-31.16	.007252	-.061623	.062048	.000	4550.883	.000000	.000000	.000000
4608.830	-28.56	.058019	-.013579	.059587	45.211	4615.414	4.324165	-.043293	.000002
4657.090	-25.56	.001036	.030797	.030815	.000	4658.084	.000000	.000000	.000000
4705.350	-28.46	-.031082	-.023502	.038967	.000	4648.769	.000000	.000000	.000000
4753.610	-28.56	.002072	-.032259	.032326	.000	4769.892	.000000	.000000	.000000
4801.870	-28.26	-.011397	-.039590	.041197	.000	4752.611	.000000	.000000	.000000
4850.130	-29.66	.036262	-.054321	.065312	.000	4878.687	.000000	.000000	.000000
4898.390	-24.76	.026937	.005832	.027562	.000	4882.920	.000000	.000000	.000000
4946.650	-27.06	-.010361	-.030894	.032585	.000	5301.488	.000000	.000000	.000000
4994.910	-25.76	.029010	-.032424	.043507	.000	4964.375	.000000	.000000	.000000
5043.170	-24.26	.013469	.015875	.020818	.000	5050.894	.000000	.000000	.000000
5091.430	-24.46	.014505	-.017894	.023034	.000	5084.224	.000000	.000000	.000000
5139.690	-22.86	-.010361	-.030055	.031791	.000	5222.348	.000000	.000000	.000000
5187.950	-25.46	.034190	-.065939	.074276	.000	5202.951	.000000	.000000	.000000
5236.210	-19.56	.051803	-.002804	.051879	.000	5192.342	.000000	.000000	.000000
5284.470	-20.45	-.003108	-.018338	.018599	.000	5359.791	.000000	.000000	.000000
5332.730	-19.86	.055747	-.055876	.065876	.000	5331.315	.000000	.000000	.000000

8421.370	25.14	.001036	.018018	.018047	.000	8374.380	.000000	.000000	.000000
8469.630	25.74	.019485	.021999	.029520	.000	8554.366	.000000	.000000	.000000
8517.890	27.04	.003108	.044145	.044254	.000	8524.055	.000000	.000000	.000000
8566.150	26.04	-.012433	.015716	.020039	.000	8361.142	.000000	.000000	.000000
8614.410	25.84	.022793	.028958	.036853	.000	8537.861	.000000	.000000	.000000
8662.670	28.24	-.019685	.055974	.059335	.000	8713.240	.000000	.000000	.000000
8710.930	23.94	-.021757	.019803	.029420	.000	8754.424	.000000	.000000	.000000
8759.190	26.14	-.031082	.041880	.052154	.000	8794.635	.000000	.000000	.000000
8807.450	20.94	-.053875	-.013834	.055623	.000	8747.215	.000000	.000000	.000000
8855.710	20.94	.010361	-.043282	.016845	.000	8880.260	.000000	.000000	.000000
8903.970	21.94	-.012433	.021334	.024694	.000	8834.159	.000000	.000000	.000000
8952.230	19.74	-.009324	-.000033	.009325	.000	8957.568	.000000	.000000	.000000
9000.490	21.04	-.008288	.024416	.025785	.000	8980.492	.000000	.000000	.000000
9048.750	18.94	-.035224	.007656	.036048	.000	9148.455	.000000	.000000	.000000
9097.010	17.64	-.013469	-.009929	.016733	.000	9121.390	.000000	.000000	.000000
9145.270	17.64	-.013469	.010818	.017275	.000	9121.839	.000000	.000000	.000000
9193.530	16.34	-.033154	-.010882	.034894	.000	9300.899	.000000	.000000	.000000
9241.790	14.44	-.025821	.026151	.026151	.000	9259.626	.000000	.000000	.000000
9290.050	16.74	-.009324	.012930	.015941	.000	9260.359	.000000	.000000	.000000
9338.310	15.34	-.021757	.011456	.024589	.000	9362.841	.000000	.000000	.000000
9386.570	14.64	-.021757	-.015800	.026889	.000	9362.771	.000000	.000000	.000000
9434.830	13.24	.010361	-.016822	.019754	.000	9484.032	.000000	.000000	.000000
9483.090	15.64	.001036	.020176	.020203	.000	9471.755	.000000	.000000	.000000
9531.350	13.34	-.030046	-.007941	.031077	.000	9411.862	.000000	.000000	.000000
9579.610	12.74	.012433	-.021273	.024639	.000	9613.014	.000000	.000000	.000000
9627.870	14.54	.004144	.024835	.025199	.000	9613.031	.000000	.000000	.000000
9676.130	13.14	-.039370	-.000324	.039371	18.078	9703.006	4.544774	.022013	-.000002
9724.390	10.74	-.004216	-.039751	.040235	.000	9719.649	.000000	.000000	.000000
9772.650	12.54	.025901	-.007318	.026915	.000	9720.339	.000000	.000000	.000000
9820.910	13.24	.001036	.011194	.011242	.000	9839.577	.000000	.000000	.000000
9869.170	12.64	.000000	-.000048	.000048	.000	9983.119	.000000	.000000	.000000
9917.430	13.24	-.008288	.012229	.014773	.000	9949.358	.000000	.000000	.000000
9965.690	11.84	-.021757	-.016902	.027551	.000	9952.886	.000000	.000000	.000000
10013.950	11.14	-.018649	-.019532	.027005	.000	10040.261	.000000	.000000	.000000
10062.210	13.64	.010361	.015157	.018360	83.870	9988.057	4.356613	-.068974	-.000018
10110.470	12.14	-.009324	.010683	.014180	63.761	10148.779	4.469851	.026559	.000001
10158.730	12.74	-.023829	-.002024	.023915	83.487	10168.601	4.366206	.045958	-.000004
10206.990	9.84	-.003108	-.032623	.032770	.000	10212.405	.000000	.000000	.000000
10255.250	12.44	.022793	-.000257	.022795	.000	10101.131	.000000	.000000	.000000
10303.510	12.04	-.010361	.002005	.010553	.000	10195.707	.000000	.000000	.000000
10351.770	11.44	.012433	-.019492	.023288	.000	10365.714	.000000	.000000	.000000
10400.030	13.24	.018649	.015919	.024519	.000	10369.439	.000000	.000000	.000000
10448.290	13.24	-.016577	.008380	.018574	.000	10486.017	.000000	.000000	.000000
10496.550	11.64	.001036	-.018400	.018429	.000	10492.576	.000000	.000000	.000000
10544.810	13.34	.016577	.002925	.016833	.000	10510.532	.000000	.000000	.000000
10593.070	13.24	-.002072	.009724	.009942	.000	10610.980	.000000	.000000	.000000
10641.330	13.14	-.005180	-.004651	.008431	.000	10612.070	.000000	.000000	.000000
10689.590	12.74	.014505	-.006963	.016089	.000	10720.476	.000000	.000000	.000000
10737.850	14.54	.007252	.014975	.016639	.000	10731.500	.000000	.000000	.000000
10786.110	13.44	-.005180	-.001969	.005543	.000	11544.443	.000000	.000000	.000000
10834.370	14.04	.014505	.004355	.015144	.000	10710.003	.000000	.000000	.000000
10882.630	14.84	-.004144	.017060	.017556	.000	10867.390	.000000	.000000	.000000
10930.890	13.64	-.008288	.002464	.008647	.000	10942.194	.000000	.000000	.000000
10979.150	14.04	-.007252	-.000344	.007261	126.411	10988.798	4.271246	.019533	-.000004
11027.410	12.94	.001036	-.008936	.008996	26.279	11055.142	4.529615	-.008242	-.000000
11075.670	14.14	.010361	.004592	.011333	52.059	11074.204	4.465711	-.014434	.000000
11123.930	13.94	-.003108	.011129	.011555	.000	11123.930	.000000	.000000	.000000
11172.190	13.84	-.010361	.001873	.010529	157.496	11194.428	4.206404	.070005	-.000008
11220.450	12.94	-.004144	-.010627	.011406	.000	11218.356	.000000	.000000	.000000
11268.710	13.44	.012433	-.002101	.012609	22.316	11246.696	4.541126	-.008720	-.000001
11316.970	14.14	-.022072	.011125	.011314	.000	11332.213	.000000	.000000	.000000
11365.230	13.24	-.005180	-.006908	.008634	.000	11330.438	.000000	.000000	.000000
11413.490	13.64	.010361	.000017	.010361	.000	11389.360	.000000	.000000	.000000

11461.750	14.24	-.002072	.008825	.009065	.000	11486.712	.000000	.000000	.000000
11510.010	13.44	-.002072	-.005094	.005500	.000	11487.508	.000000	.000000	.000000
11558.270	14.04	.007252	.005048	.008836	.000	11602.684	.000000	.000000	.000000
11606.530	14.14	-.009324	-.001227	.009405	.000	11560.447	.000000	.000000	.000000
11654.790	13.14	.017613	-.012477	.021585	.000	11682.782	.000000	.000000	.000000
11703.050	15.84	.014505	.020175	.024848	.000	11668.285	.000000	.000000	.000000
11751.310	14.54	.002072	.010613	.010814	.000	11825.301	.000000	.000000	.000000
11799.570	16.04	.000000	.027417	.027417	.000	11751.893	.000000	.000000	.000000
11847.830	14.54	-.029010	.009006	.030375	.000	11869.591	.000000	.000000	.000000
11896.090	13.24	-.009324	-.012433	.015533	23.370	11863.117	4.542847	.006450	-.000000
11944.350	13.64	.003108	-.005243	.006095	355.021	12659.344	3.784525	-1.615829	.006854
11992.610	13.54	.005180	.006491	.008305	21.781	11967.017	4.545495	-.011083	-.000000
12040.870	14.14	-.007252	.008970	.011535	.000	12064.265	.000000	.000000	.000000
12089.130	12.84	-.009324	-.002510	.009656	.000	12056.542	.000000	.000000	.000000
12137.390	13.24	.006216	-.002416	.006669	.000	12190.606	.000000	.000000	.000000
12185.650	13.44	-.008288	.019785	.021451	.000	.000	.000000	.000000	.000000
12233.910	12.44	-.025901	-.014446	.029657	.000	.000	.000000	.000000	.000000
12282.170	10.94	-.012433	-.016013	.020273	.000	.000	.000000	.000000	.000000

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