

UNIT 1



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Daily Magnetograms for 1978 From the AFGL Network

DAVID J. KNECHT



8 January 1985



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PROJECT 7601

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FOR THE COMMANDER


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19. ABSTRACT (Continue on reverse if necessary and identify by block number) A stacked plot of 24-hour magnetograms from the AFGL Magnetometer Network is presented for each UT day of the year 1978. Each plot, on a single page, contains all 21 traces from the fluxgate magnetometers of the network (three components at seven stations). This data plotted are 2-min averages of the 1-min edited data set that has been provided to the World Data Center. To aid in comparison between days, the magnetograms are plotted with a fixed amplitude scale that preserves a resolution of one or two nanoteslas. For the 10 percent of all days that are more active, the plots have been repeated at a reduced amplitude. These magnetograms serve to assess the general character of magnetic activity, identify events for scientific study, and indicate the coverage and quality of the data available from the World Data Center.			
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Preface

This volume of magnetograms from the AFGL Magnetometer Network is the first in what is intended to be a set of six yearly volumes covering the years 1978 through 1983. Descriptive material needed to explain the magnetograms is repeated so each volume can be used independently.

These volumes are dedicated to the memory of Robert W. Crowe, who as a high-school student, carried out much of the computer work that produced the edited data shown in these plots and who lost his life in October 1982 while the work was under way.

Many other persons have also contributed greatly to this effort. The project, which required reading more than 1200 input data tapes, writing more than 4500 edited-data tapes, and making and assembling more than 6500 separate plots for these volumes, was made possible by the dedicated efforts of a group of college and high-school students. Armand Paboojian supervised and personally undertook much of the production of the edited data base. Ric Laperriere, Stephen Morris, Catherine Whittaker, Glenn Ellis, and Ara Topjian also contributed many hours to this work. Fr. John F. Devane, S.J., directed the contractual effort of Boston College under which most of the students worked. Ric Laperriere carried out a large fraction of the production runs that produced the final plots. These generous contributions are gratefully acknowledged.

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Daily Magnetograms for 1978 From the AFGL Network

I. INTRODUCTION

From mid-1976 through 1983, the AFGL Magnetometer Network made continuous measurements of the surface magnetic field at seven stations spanning the contiguous United States. An edited data base has been produced for the period 1979-1983; it consists of three-component measurements of the field at the seven network stations by fluxgate magnetometers sampled once per second. A subset of these data, consisting of 1-min average values in the standard IMS format, is available to the scientific community through the World Data Center.

This report, one of a series of yearly volumes, presents the 1-min subset of data for the year 1978 in the form of stacked daily magnetograms, one day per page. The anticipated uses of these plots include: (1) discovering the overall pattern of magnetic activity across the United States for any day, (2) identifying events for scientific study, and (3) indicating the coverage and quality of the data available from the World Data Center.

For the basic set of 365 daily plots, the question of amplitude scale was resolved in favor of a constant value for all plots to facilitate comparison when scanning over many pages. However, for about 10 percent of all days this choice causes traces to be offscale or confused, so for these days the plot is repeated on a less sensitive scale in a subsequent section of supplemental plots.

(Received for publication 7 January 1985)

2. DESCRIPTION OF THE NETWORK

The AFGL Magnetometer Network consisted of seven remote instrumented stations at the locations shown in Figure 1 and listed in Table 1. The five northern stations form a line at approximately 55 degrees cgm latitude, while the two southern stations are both at about 40 degrees cgm latitude.

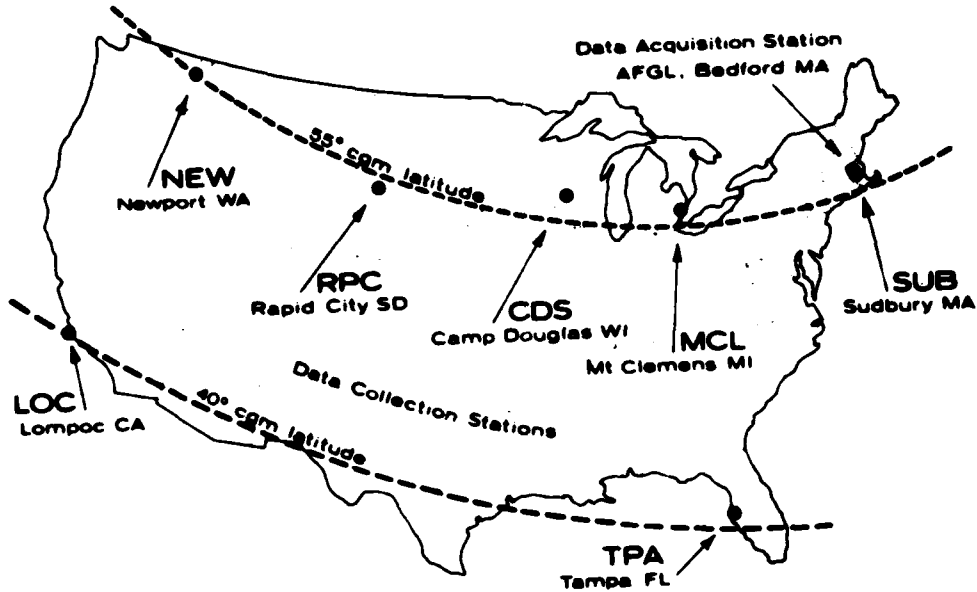


Figure 1. Map of the AFGL Magnetometer Network

The instrumentation at all sites was essentially identical. The instrument which made the measurements presented here is a three-component fluxgate magnetometer built by the University of California at Los Angeles. (Data from a second instrument, an induction-coil magnetometer, is not discussed.) The fluxgate magnetometer has a basic analog (fine-scale) range of -64 to +64 nanoteslas; it is kept on scale by applying to the sensor a precise (coarse-scale) nulling field of an integral multiple of 64 nT to cover the full range of approximately -65,000 to +65,000 nT. The fine-scale output is digitized by an 11-bit analog-to-digital converter, with the least significant bit representing 1/16 nT. The instrument was sampled once per second.

Data from all stations were returned to a data-acquisition station at AFGL via a single dedicated voice-grade circuit made up largely of ordinary phone lines and having a branch to each of the stations. A polling signal sent from the

data-acquisition station synchronized all stations to within several milliseconds accuracy by incorporating compensation for propagation delays. Data collected at each station during any 10-sec sampling interval were transmitted in a block at some point during the next interval. A forward-error-correcting scheme was used to eliminate transmission errors. Data were received, compressed, formatted, and archived on magnetic tape by a dedicated minicomputer. Subsequently, several series of edited-data tapes were produced from the archive tapes, using the same minicomputer, as described in the following section.

Table 1. Locations of the Data-Collection Stations

Station Symbol and Name (post office)	Corrected Geomagnetic Coordinates		Graphic Coordinates		Government Installation
	N Lat	E Long	N Lat	E Long	
NEW Newport WA	55.2	299.6	48.3	117.1	USGS Newport Observatory
RPC Rapid City SD	54.1	317.3	44.2	103.1	Ellsworth Air Force Base
CDS Camp Douglas WI	56.3	334.2	44.0	90.3	Volk Field (Natl. Guard Base)
MCL Mount Clemens MI	55.8	344.8	42.6	82.9	Selfridge Air Natl. Guard Base
SUB Sudbury MA	55.8	1.9	42.2	71.3	Army Natick Laboratory Annex
LOC Lompoc CA	40.2	300.6	34.7	120.6	Vandenberg Air Force Base
TPA Tampa FL	40.7	344.9	27.8	82.5	MacDill Air Force Base

3. EDITING OF THE DATA

The content of the archive data tapes is the series of successive data transmissions, recorded with minimal processing at the time of reception. These raw tapes are somewhat inconvenient for general use, since they reflect network malfunctions of many kinds, include other scientific and housekeeping data, and use a complex format for economy. An edited version, containing only the fluxgate measurements, was desired, and an automated procedure for processing these tapes was developed.

The editing process was designed to correct for a number of errors likely (and often known) to occur in the data because of various equipment malfunctions. The basis for detecting and assessing the errors was a set of redundancy and consistency checks built into or inherent in the data. The faults corrected (in most cases by

discarding the faulty data) included: (1) magnetometer outputs differing from a nominal quiet-time value by more than 2048 nT, (2) transmissions not confirmed to have come from the correct station, and (3) incorrect time values associated with transmissions. At the same time, the data were organized by time interval, station, and component, with missing data filled with blanks.

It may be noted that the faults addressed in editing are almost exclusively those of the collection and transmission system; the only criterion placed on the magnetometer output was that it be reasonably close to an expected value. One reason for this is that rigorous criteria for assessing the correctness of the magnetometer data are so lacking that an automated procedure is not possible. But another reason is that, for many purposes, the usefulness of the data is only slightly (or not at all) diminished by the most common malfunctions. Therefore, most failures experienced with the magnetometers are still reflected in the edited data. Since the stations were unattended, a number of days often elapsed before a malfunction was corrected, and caution is necessary in using these data. Some specific guidance is provided in Section 6 below.

4. DESCRIPTION OF THE PLOTS

The basic set of plots is presented in Section 7. It includes, for each day of the year, daily magnetograms for all three components of the seven network stations, a total of 21 traces. These are grouped into three panels by component, in the order X, Y, Z from top to bottom of the page, where X is magnetic north, Y is magnetic east, and Z is vertically downward. This alignment was only approximate, and during the early years X and Y were often rotated slightly about Z to keep the Y component slightly positive. To facilitate comparisons between adjacent stations, the traces within each panel are further ordered by plotting the 55-degree stations first, west to east, followed by the two 40-degree stations, west to east.

For the basic set of plots a common fixed amplitude scale was selected for ease in comparing between days. The value 40 nT per major division was chosen because it kept about 90 percent of the plots onscale. A major division is the distance between the dotted baselines for adjacent traces. One minor division represents 10 nT, and a resolution of about one or two nT is preserved in the traces. For active days on which the traces go offscale or become confused by overlap, a supplementary set of plots, using a scale of 160 or 400 nT per major division is presented in Section 8. A small solid triangle following the date on the basic plot in Section 7 indicates that a supplementary plot has been provided.

Each trace is labeled at the left with a three-letter station code. Its absolute calibration is provided by the corresponding value (in nT) of the horizontal dotted

baseline. This value, appearing just below the station code, is the 24-hour mean of the data plotted, rounded to the nearest nanotesla. The station code and baseline value are omitted whenever all data points in a trace are blanks or, very rarely, when a badly malfunctioning trace has been eliminated to avoid obscuring good traces. The presence of the label usually (but not reliably) indicate that the trace is not completely blank.

The time scale covers the 24-hour UT day, with 1-hour and 10-min subdivisions. The edited data base consists of one value per minute (good datum or blank) for each of the 21 traces, but since this sampling rate exceeds the resolution possible on the page, 2-min averages were plotted instead. This results in 720 points per day, and since the full-scale length of the time axis is roughly 144 mm, the point-to-point spacing is about 0.2 mm (0.008 in.).

The date is printed at the lower left corner of each plot, first in the form day-of-month, month, year. It is repeated, in parentheses, in the form year (followed by a period) and day-of-year. As noted above, a solid triangle after the final parenthesis indicates the presence of a supplementary plot in Section 8.

5. METHOD OF PRODUCING THE PLOTS

The plots were generated by the network minicomputer (Varian model V72, vintage 1972) with 7-track tape units to read input data. The automated plot program was written in FORTRAN and incorporated Varian Dataplot software. The output device was a Tektronix type 4014 terminal equipped with a type 4631 hardcopy unit. With this equipment the plot is first drawn by an electron beam on the screen of the CRT (a storage device) and then copied to the hardcopy unit by a second beam which scans the screen; a third beam in the hardcopy unit writes the plot onto a dry-silver heat-developed paper. The three panels for each day of data were produced separately and then trimmed and taped together by hand, using overlapping registration marks for alignment. Since the image on the dry-silver paper deteriorates rapidly, the assembled plots were then copied, with a reduction to 74 percent of original size, on an IBM series III model 20 photocopier. These copies were furnished for the printer to use without further reduction.

The linearity and accuracy afforded by this method is sufficient for most purposes but does not equal that achievable by producing all three panels at once on a good electrostatic plotter and photoreducing the plots in the printshop. Some care may therefore be necessary in attempting precise measurements from these plots.

6. CAUTIONS ABOUT USE OF THE PLOTS

The following brief comment on some common faults in the data may be useful. Examples are given by a reference in parentheses to a plot which exhibits the particular fault described.

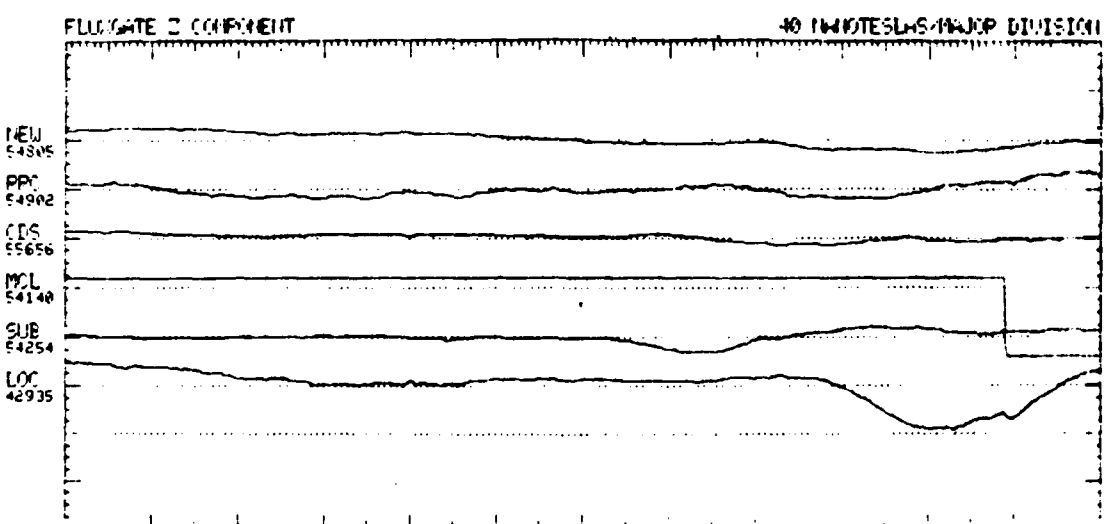
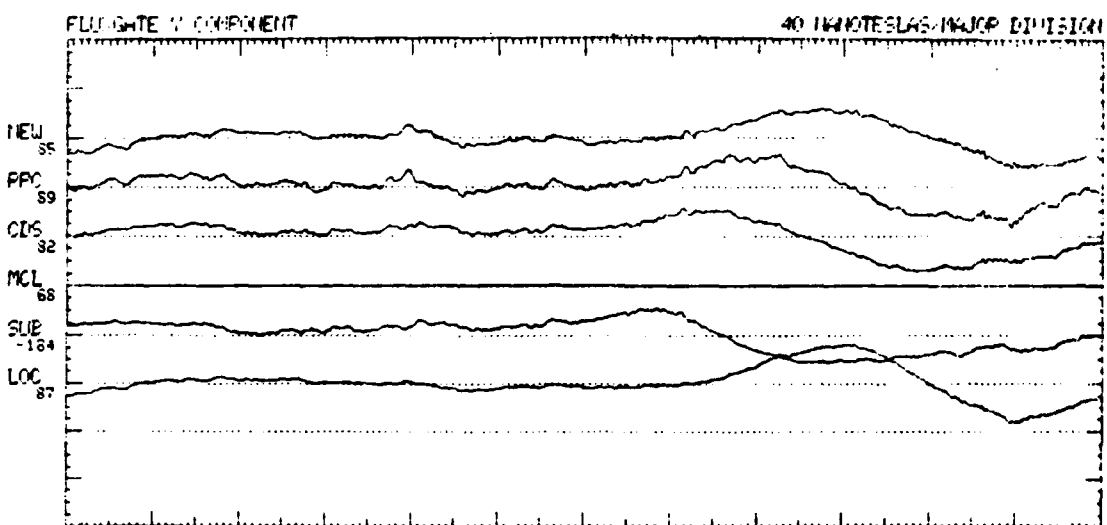
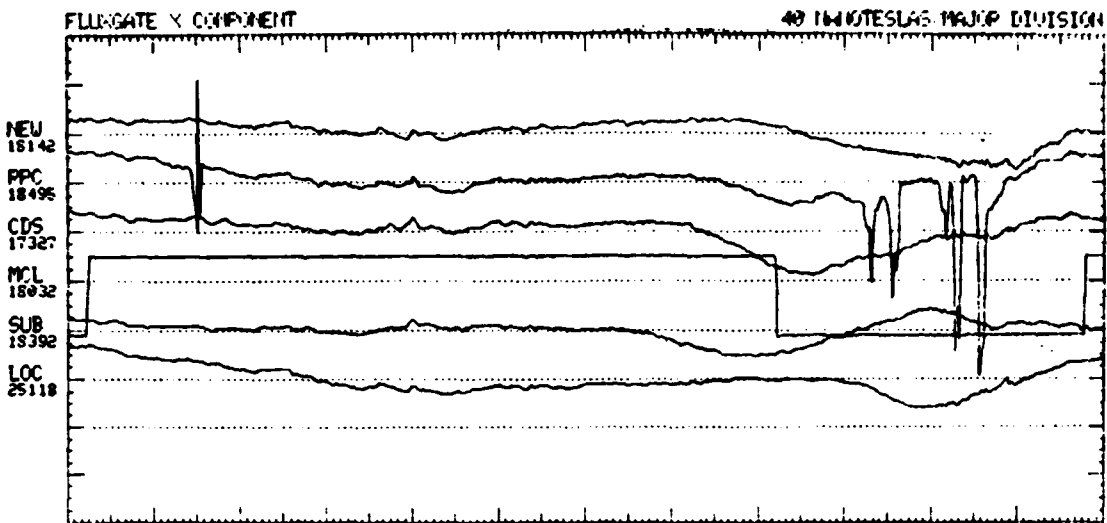
Two problems were caused by the plotting equipment: (1) some trace labels are occasionally shifted into the middle of a panel, to the right of their proper location (08 April). This problem was ignored because it was not easy to cure and caused no serious harm. (2) The least significant digit of the baseline value for a trace is occasionally omitted (LOC-X trace, 10 April). Since baseline values are all right-justified, the absence of the final digit can be seen, but the value will be uncertain by 5 nT. Again, the harm caused was not enough to justify the cost of solving it.

As noted earlier, data from malfunctioning magnetometers were not excluded unless they differed greatly from expected values. Usually the integrity of the data can be adequately assessed by comparing any trace with those of adjacent stations and by observing its behavior over an extended interval. Five common malfunctions are these: (1) an instrument which does not change range properly may exhibit sudden positive or negative jumps of 64 nT, the amount of one coarse-scale step (CDS-X trace, 12 March). (2) Some failures, such as a data-system bit that fails to turn on or off, cause smaller jumps (note jumps of about 16 nT in the TPA-Y trace, 15-21 March). (3) Some failures cause a trace to exhibit noise which may be large (SUB traces, 09 March) or small (MCL-Z trace, 10 May), (4) Failure of the fine-scale output causes a trace to show no activity except on occasional range-change jump of 64 nT (SUB-Z trace, 26-27 February). (5) Failure of the temperature-compensating circuitry makes the output very dependent on electronics temperature; the trace will then reflect the regular cycles of the thermostatically controlled trailer temperature (CDS-X trace, 22-23 January). (6) Other severe malfunctions can cause wild drifting (TPA-X, 20-21 April), large noise spikes (MCL traces, 13 June), or bursts (TPA-Z, 04 June). All these faults can normally be detected in the context of the stacked plots.

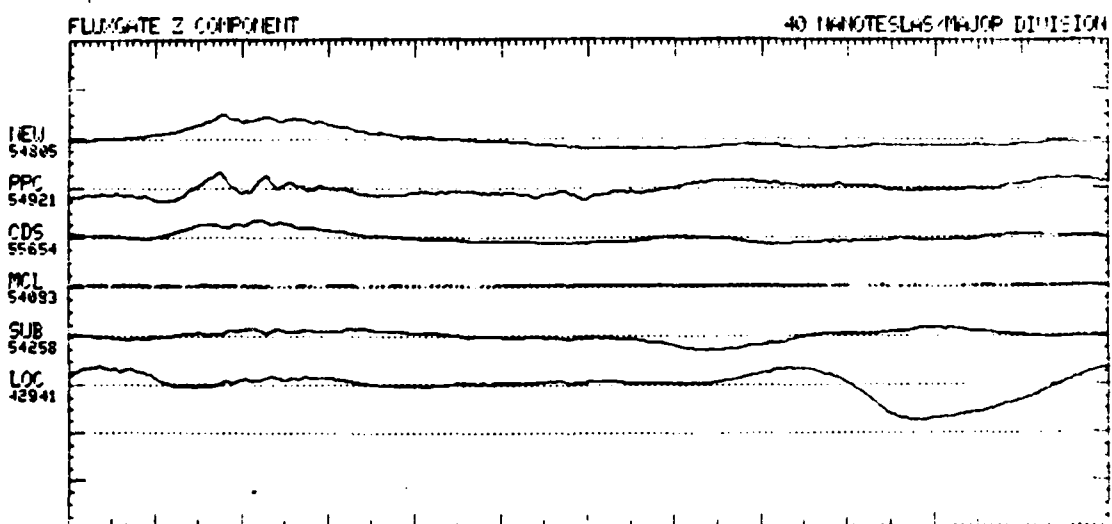
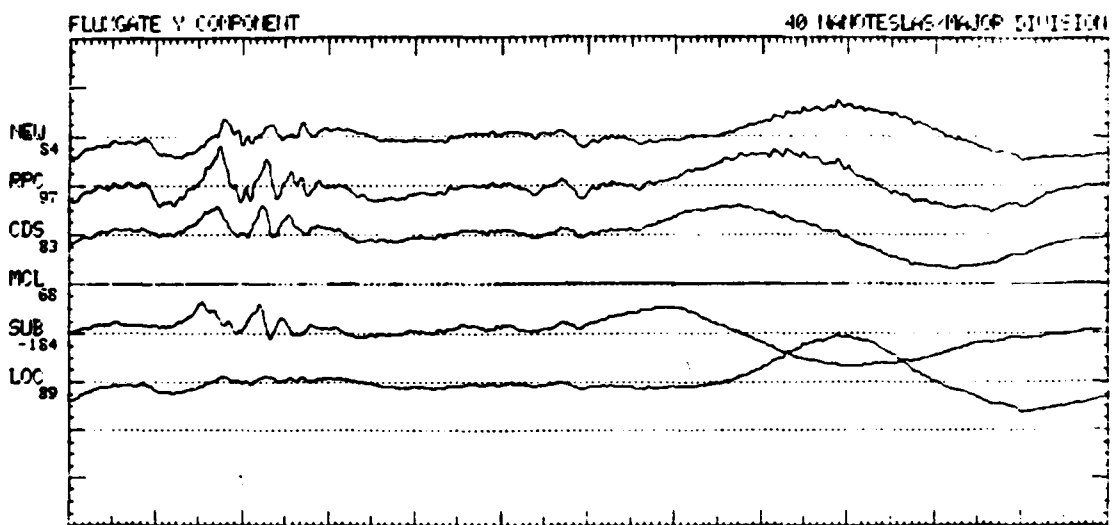
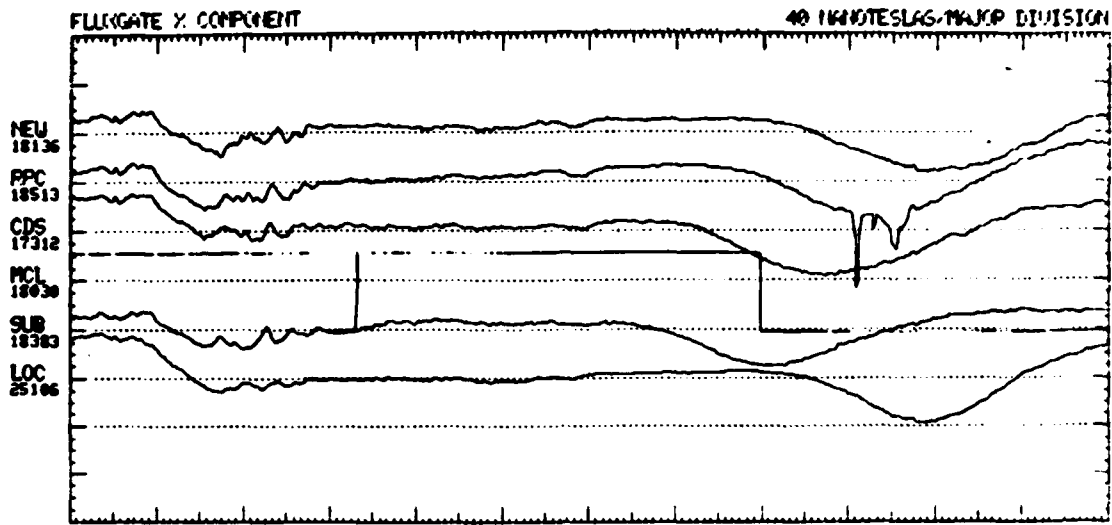
The data for most of January and February 1978 are a special case. Malfunction of the data-reception system during this period was so severe that the normal editing procedure discarded almost all data. Special techniques were therefore employed to salvage as much information as possible, but the resulting data are of very poor quality, as evidenced by the plots.

7. BASIC PLOTS AT STANDARD AMPLITUDE

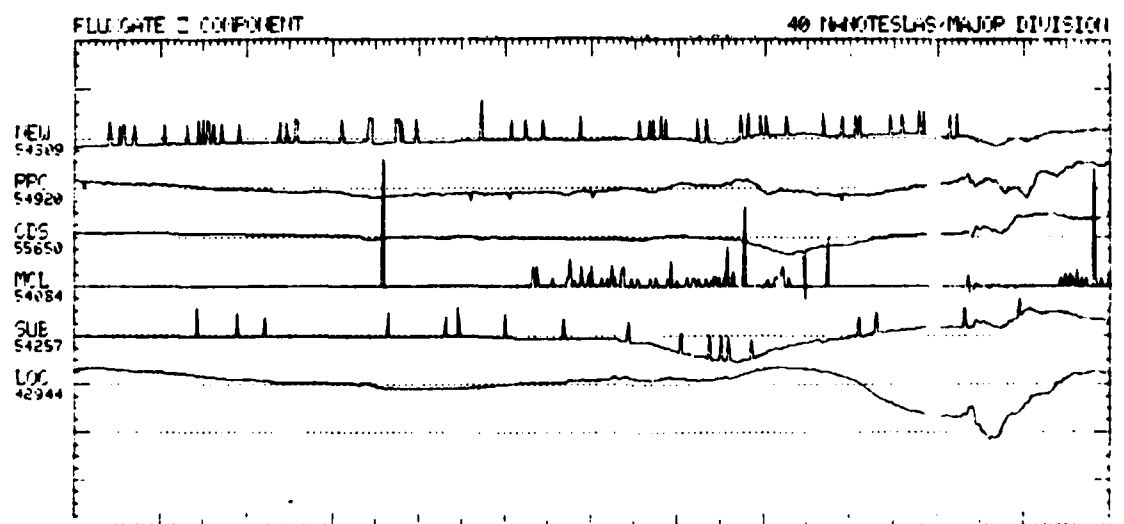
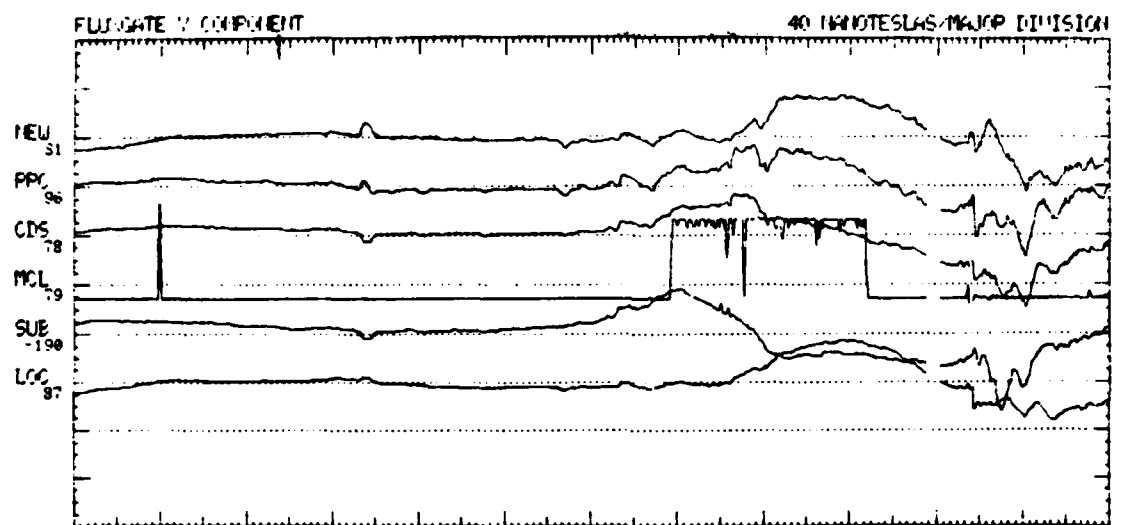
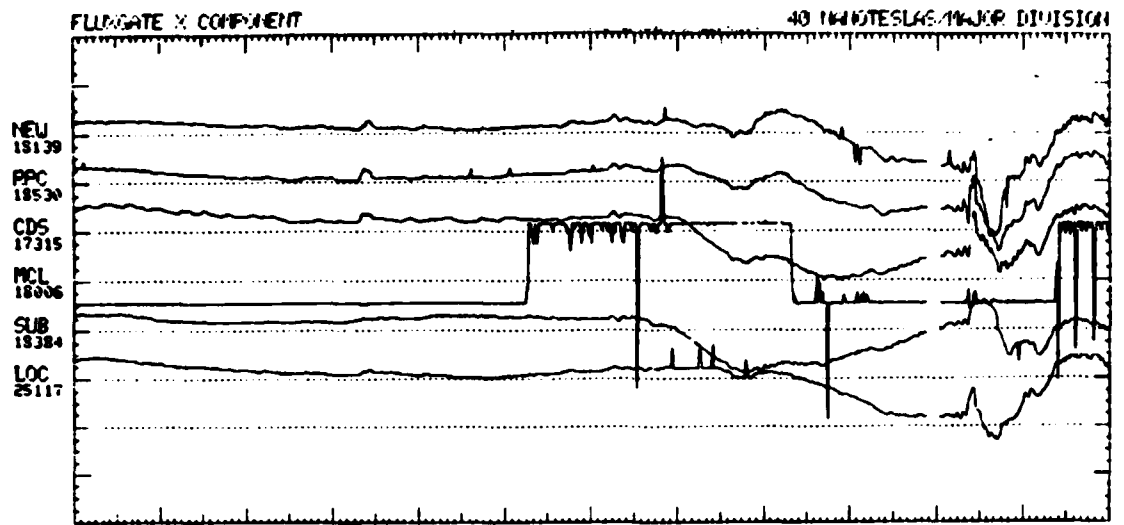
This section presents one stacked-magnetogram plot for each day of 1978, using the standard amplitude scale of 40 nT per major division.



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01 JAN 72 (DAY 73.001) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



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 02 JAN 72 (DAY 72.002) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

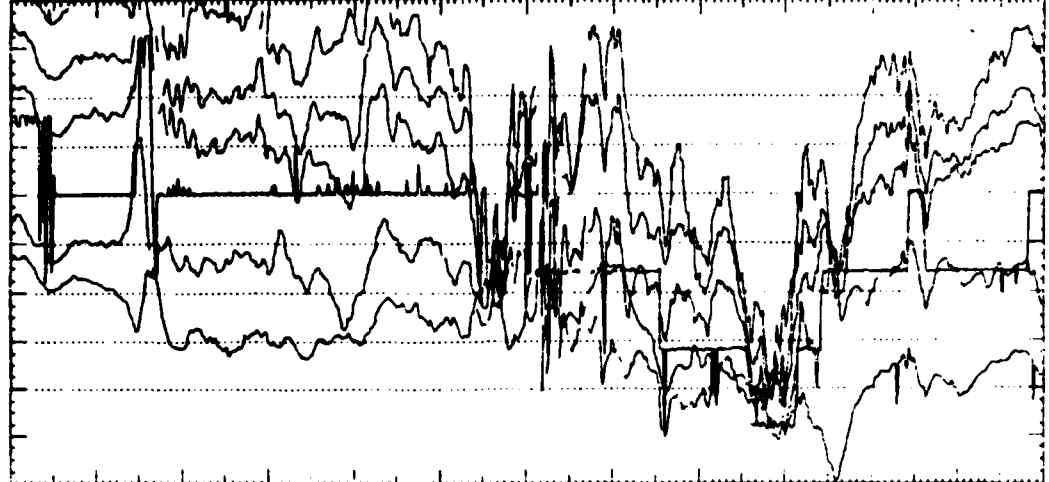


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FLUXGATE X COMPONENT

40 NANOTESLA/MAXP DIVISION

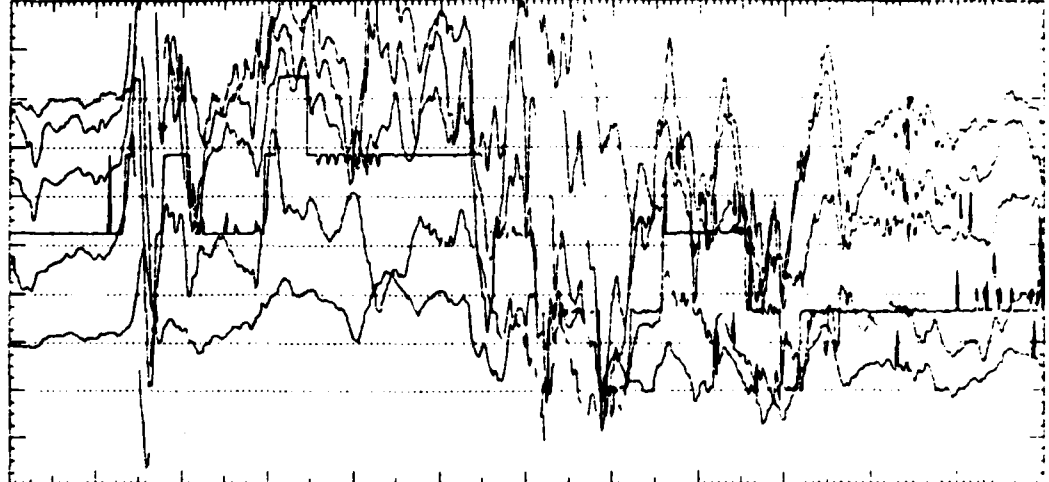
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SUB 18329
LOC 25057



FLUXGATE Y COMPONENT

40 NANOTESLA/MAXP DIVISION

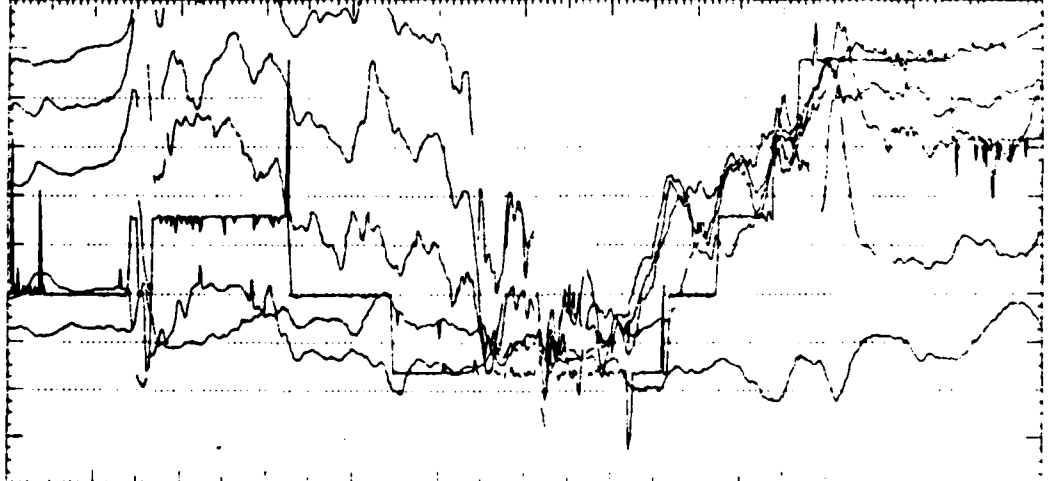
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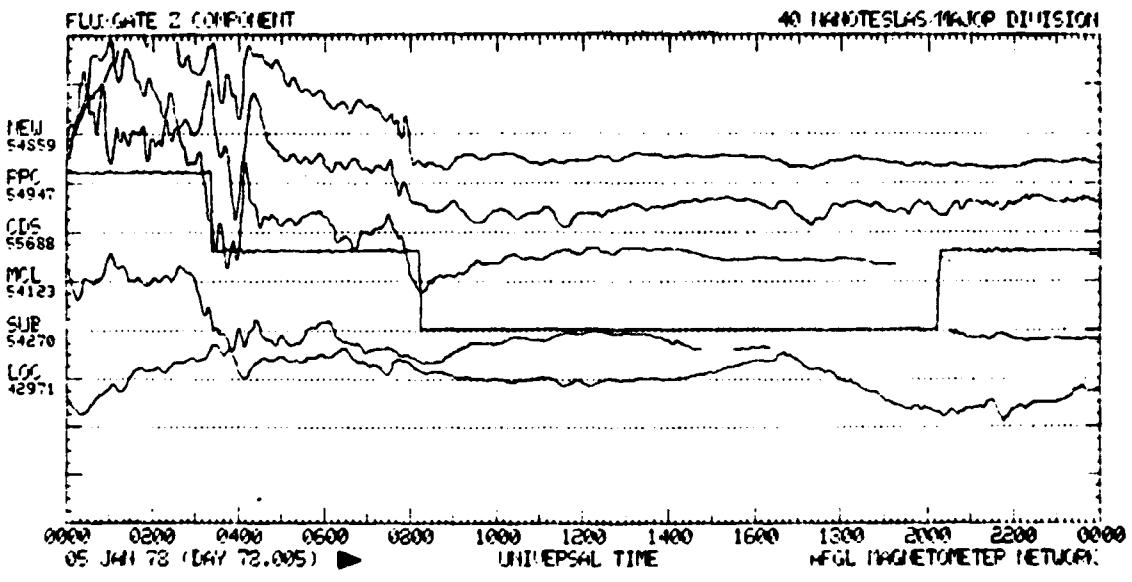
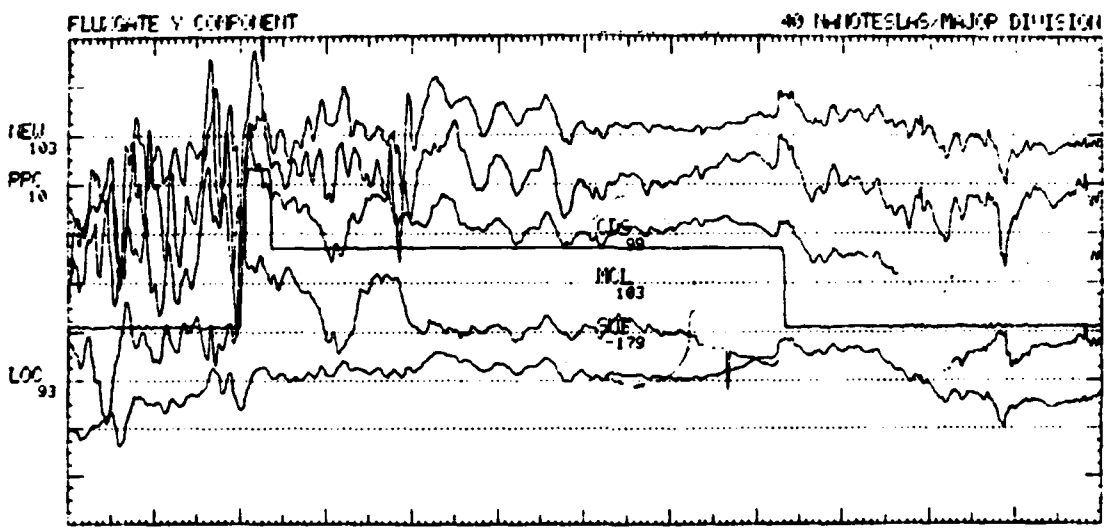
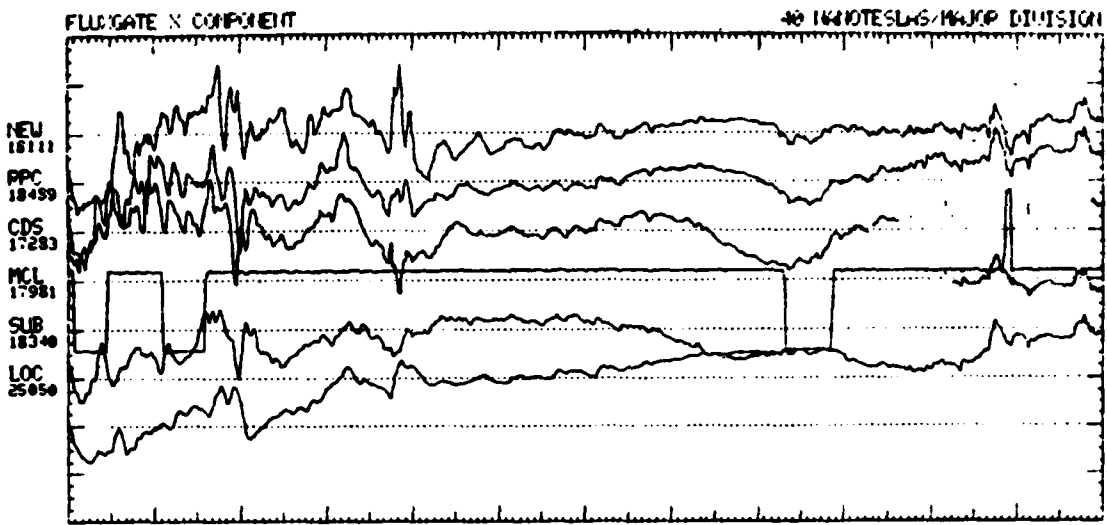
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40 NANOTESLA/MAXP DIVISION

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MCL 54125
SUB 54273
LOC 42944



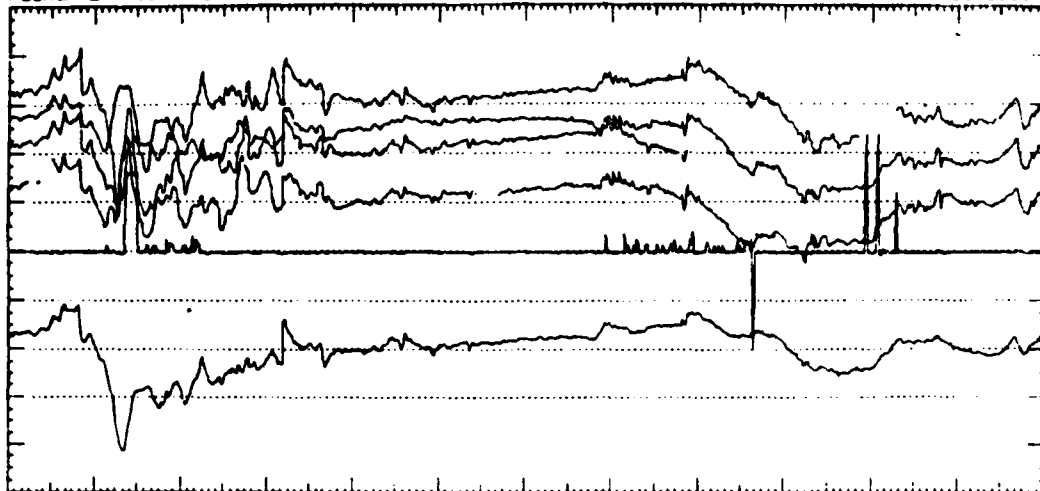
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FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

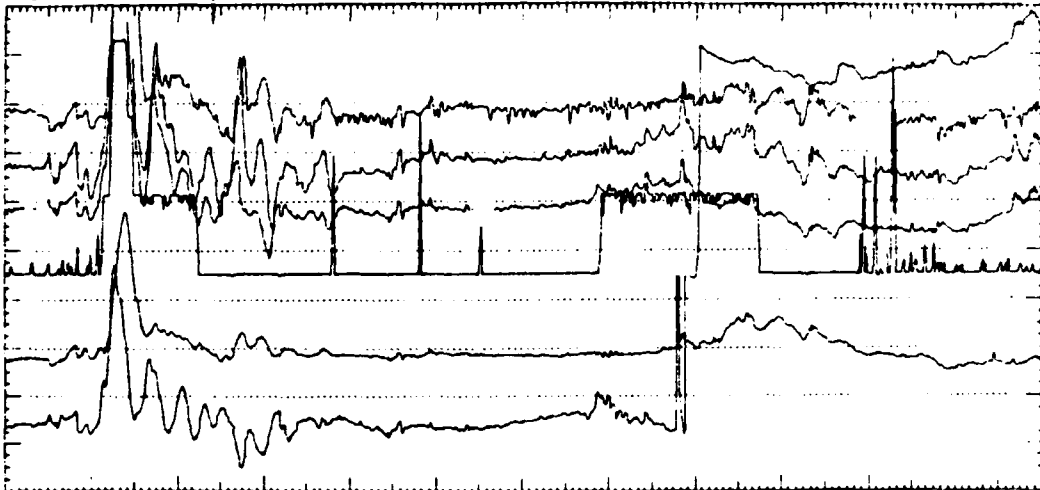
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CDS 17295
MCL 17989
SUB 18223
LOC 25077



FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

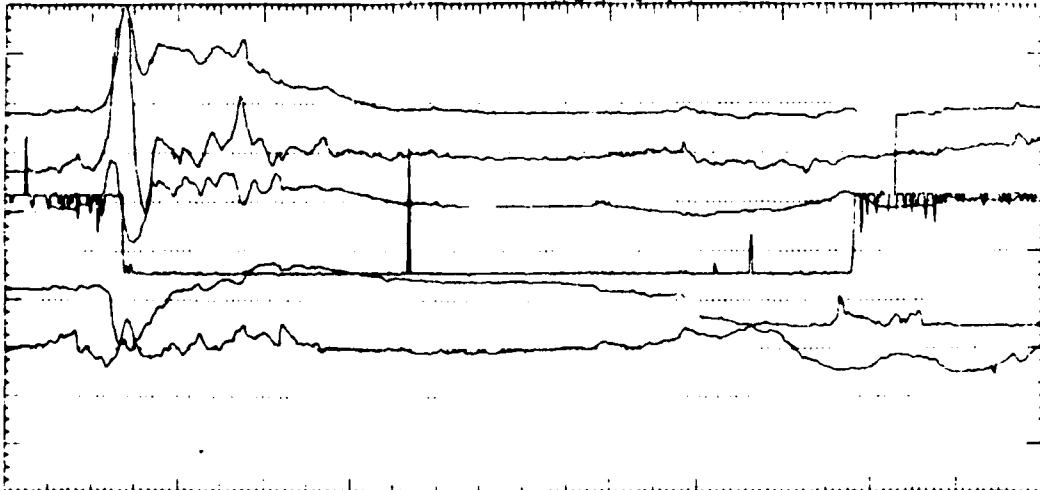
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LOC 91



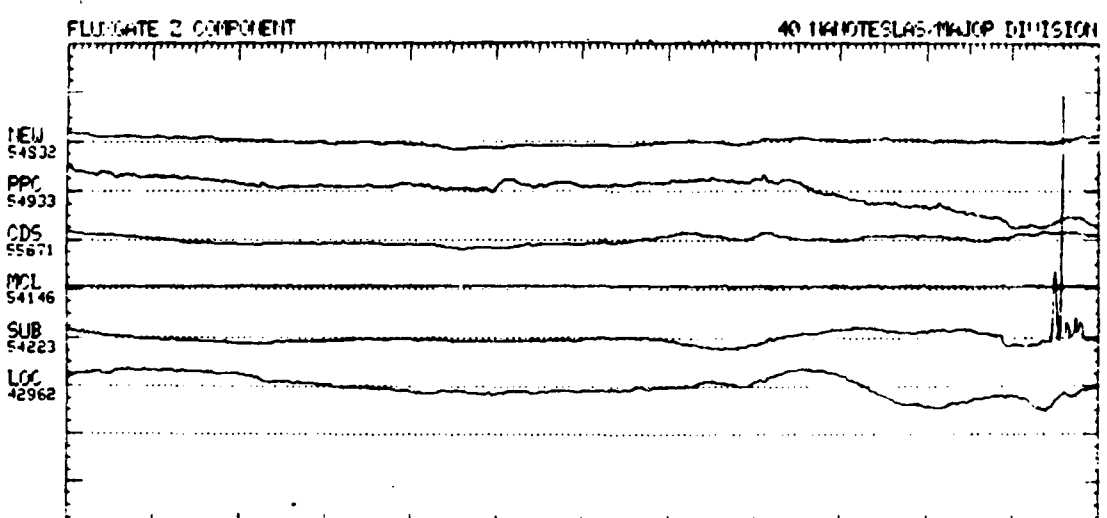
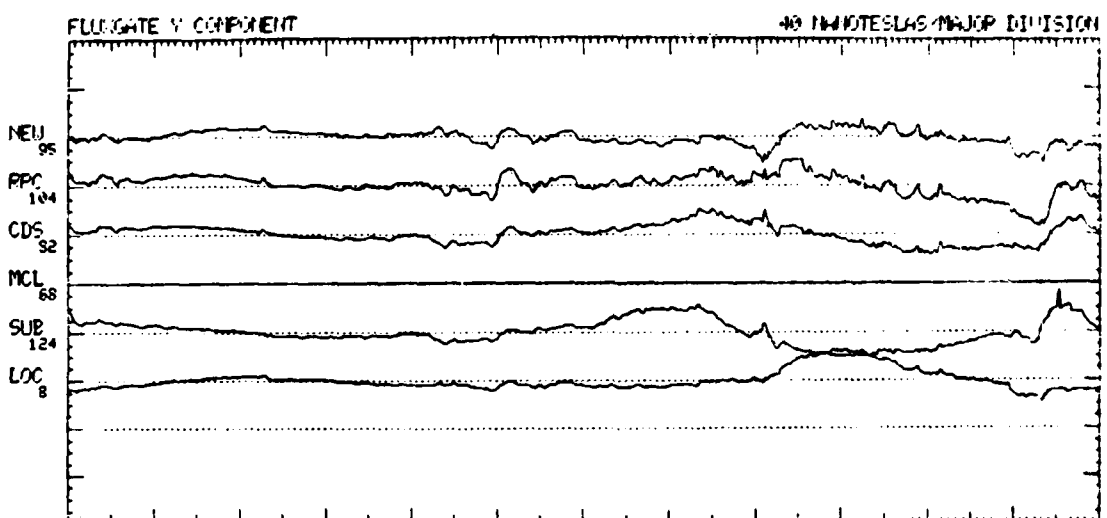
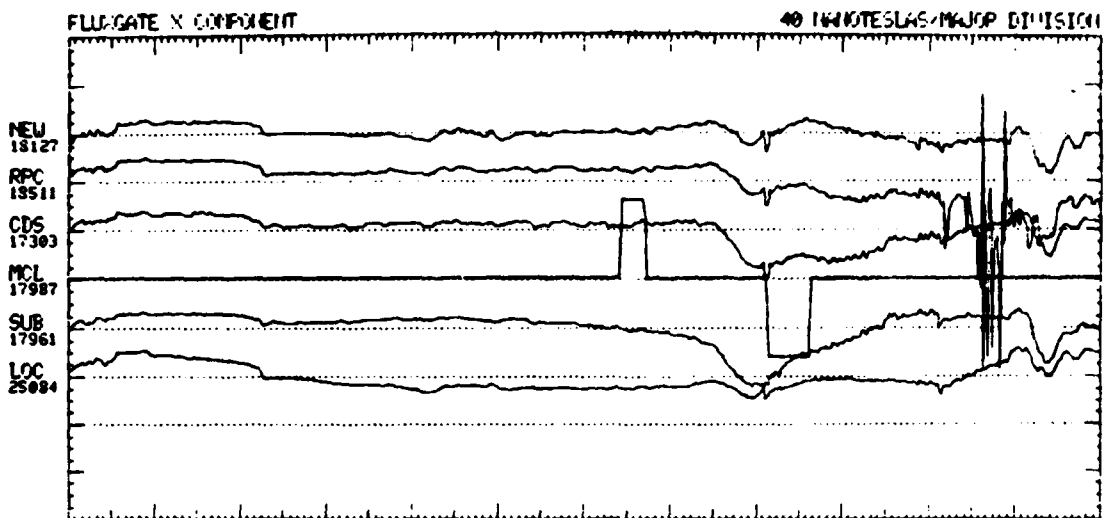
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40 NANOTESLAS/MAJOR DIVISION

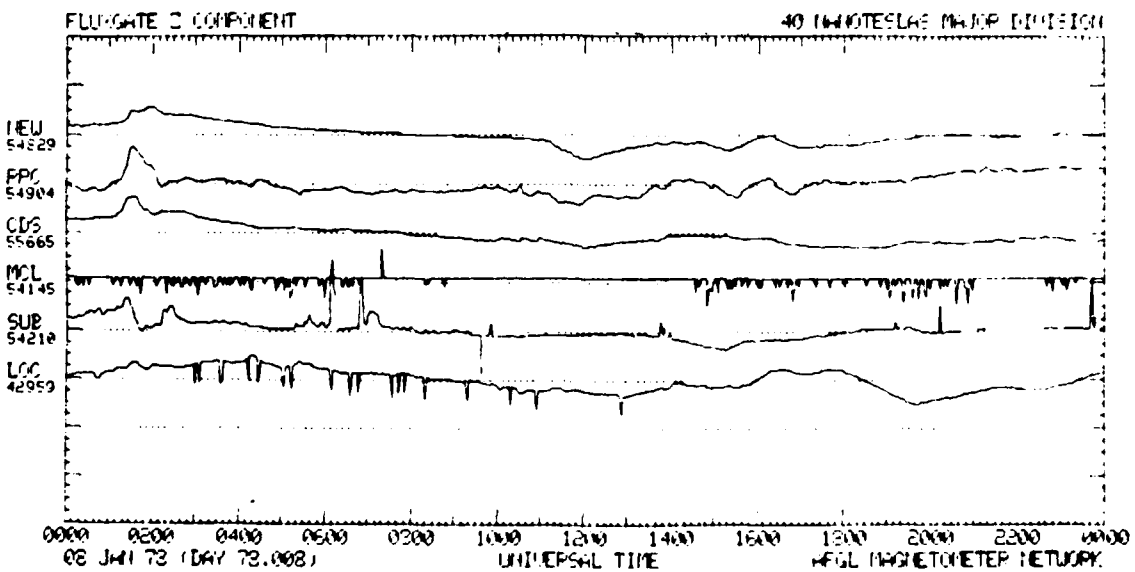
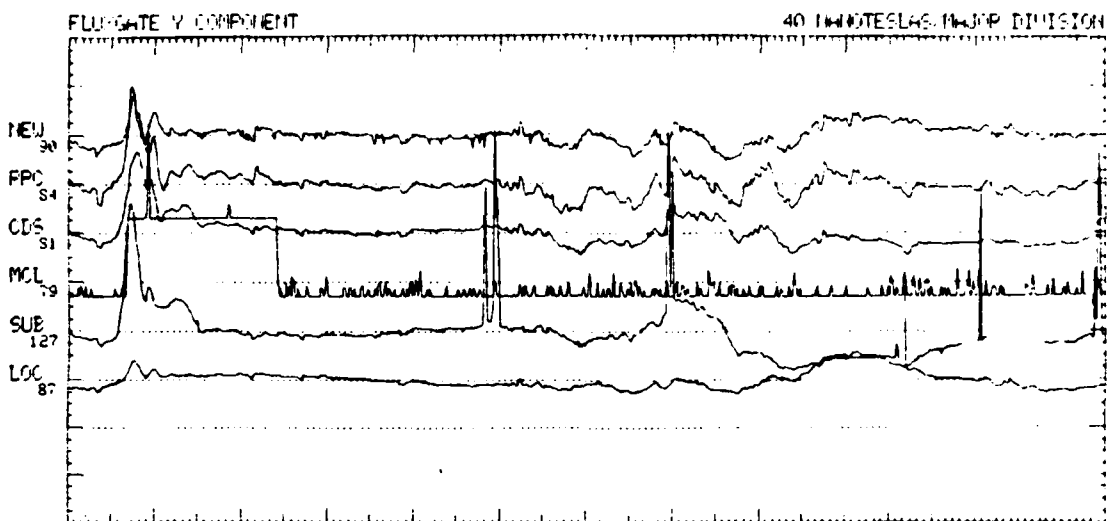
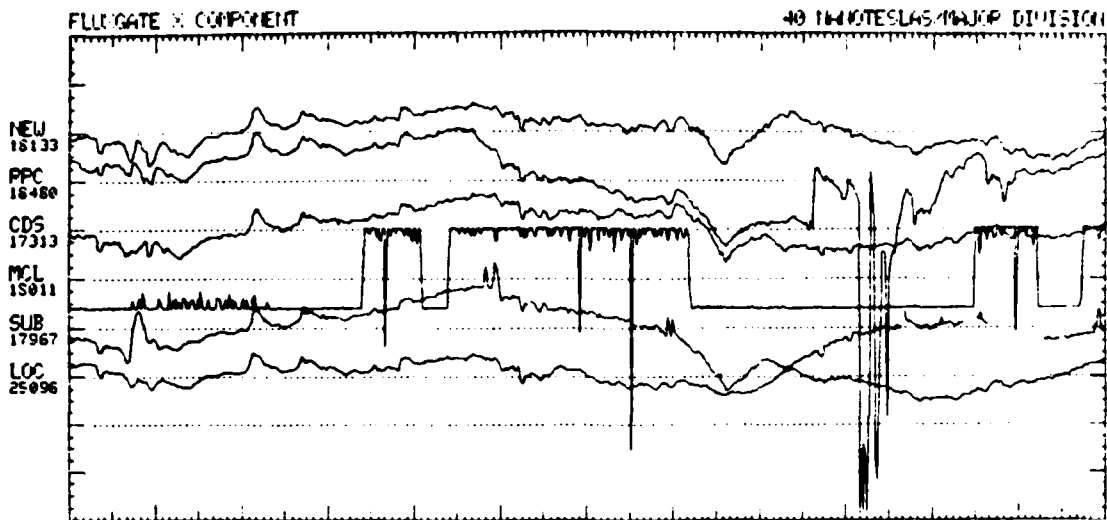
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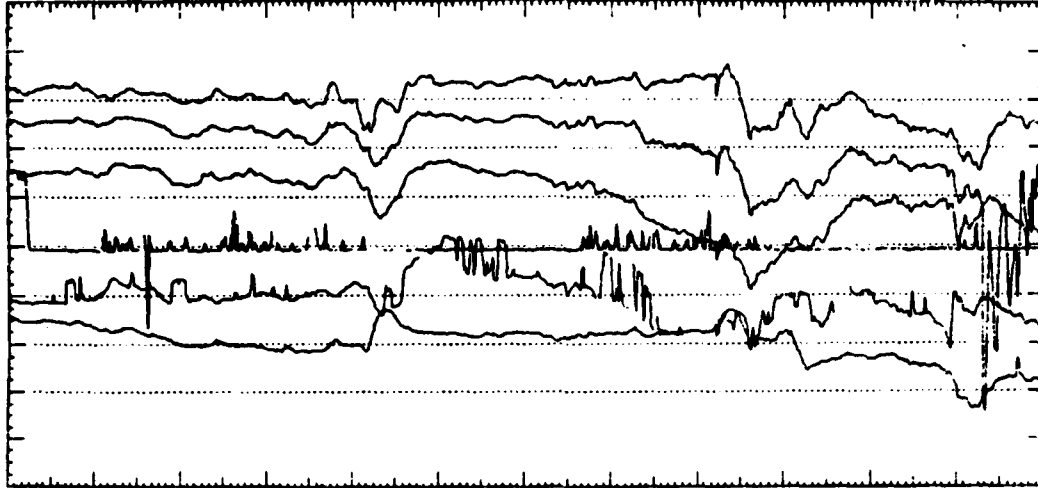
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 07 JAN 78 (DAY 78.007) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

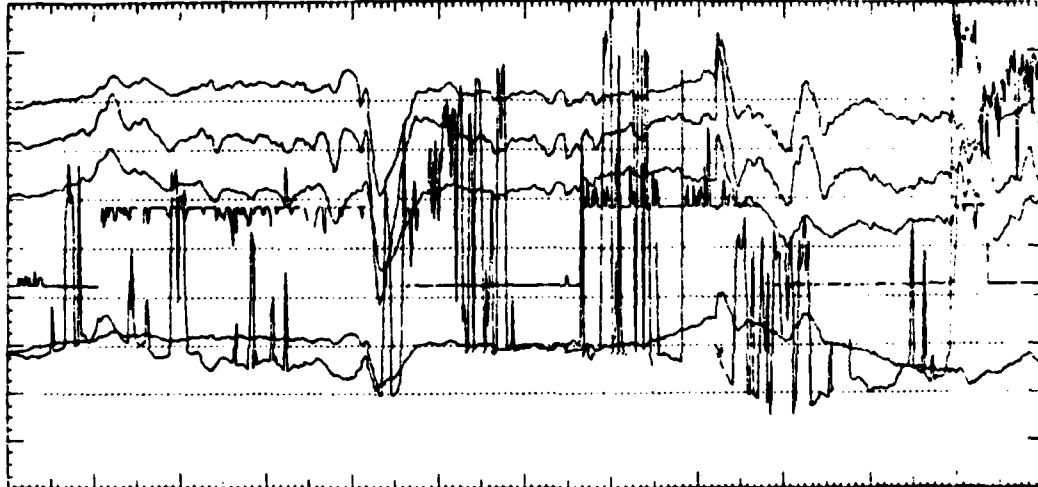
NEU
13122
PPC
1847
CDS
17296
MCL
17991
SUB
17969
LOC
25087



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

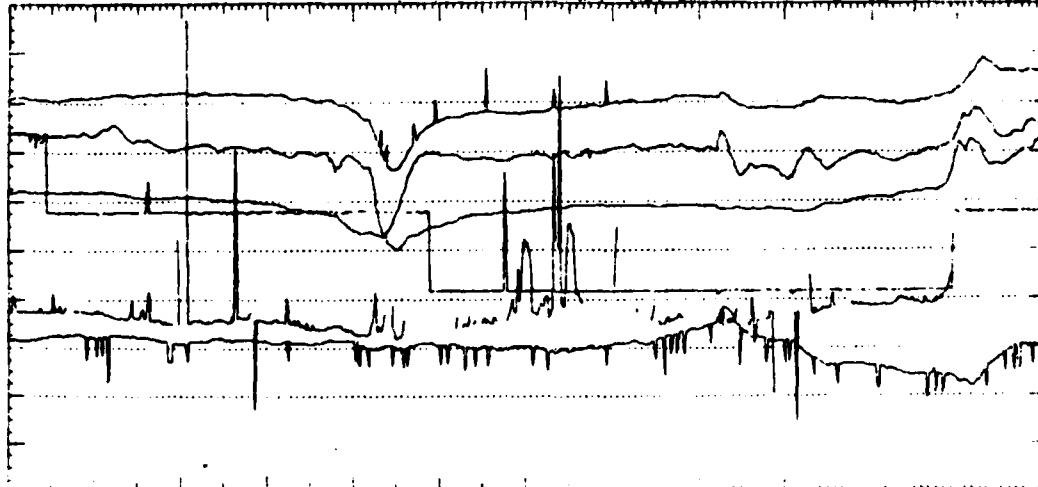
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LOC
57



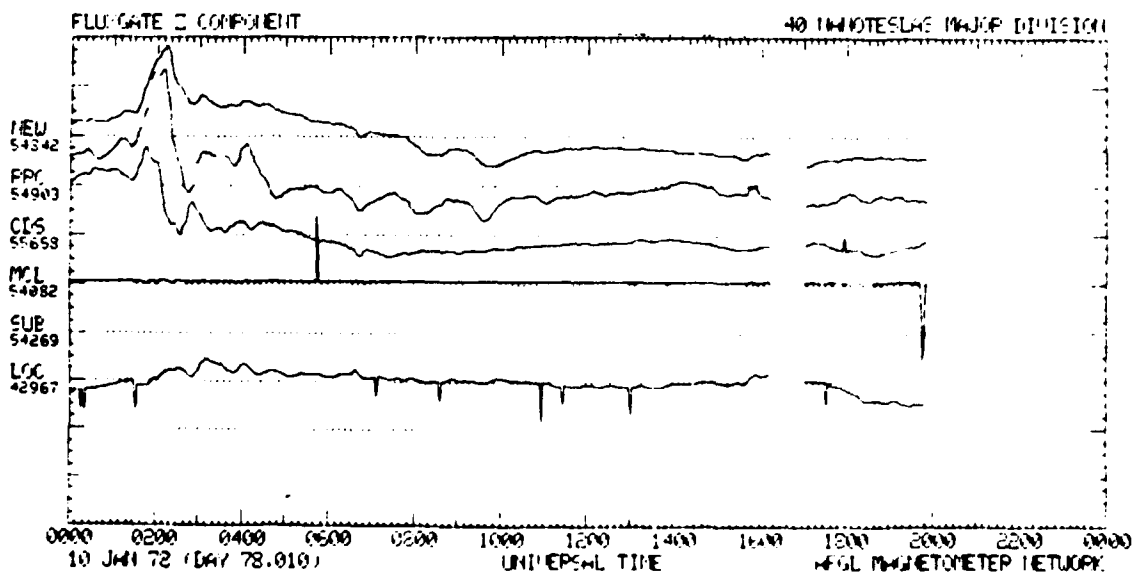
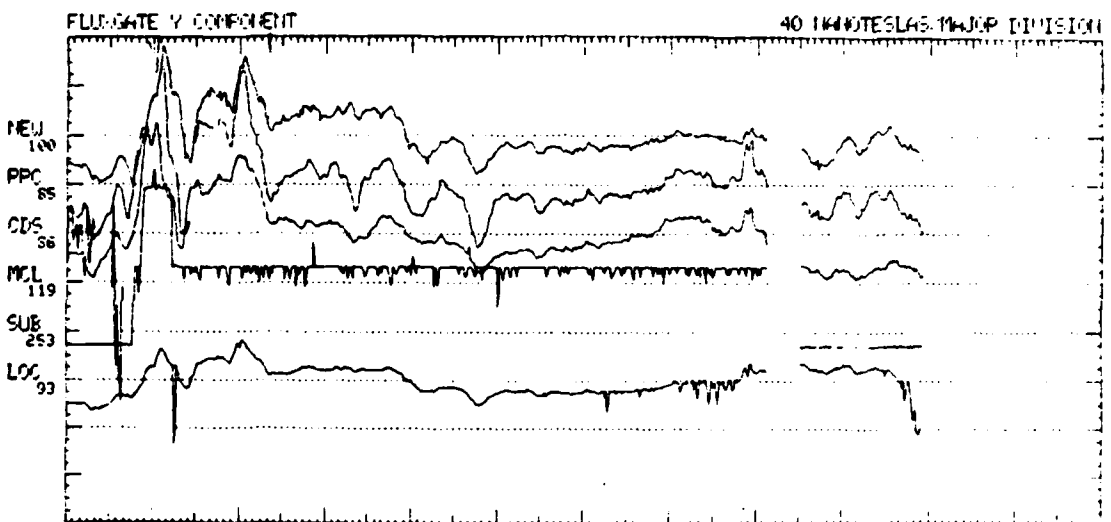
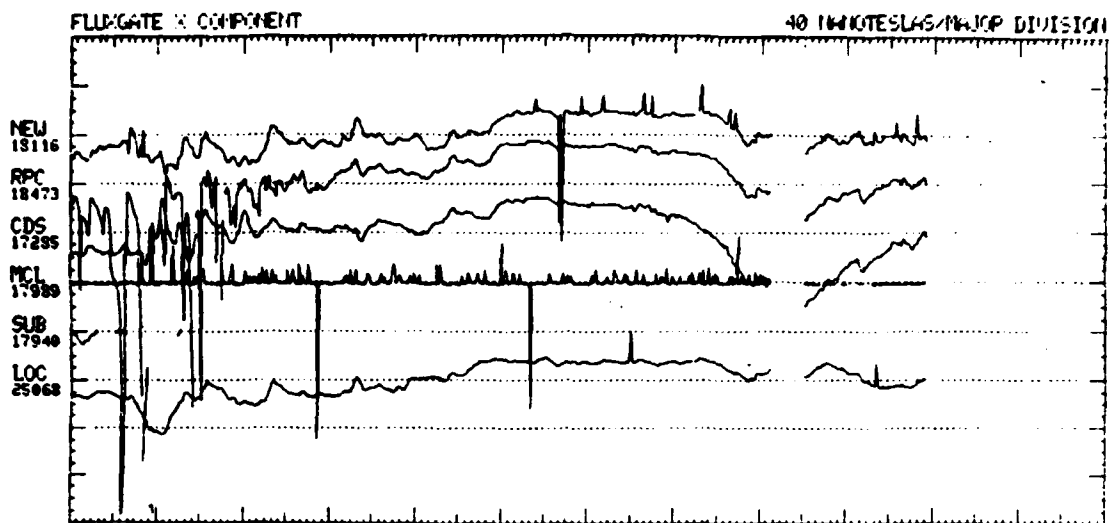
FLIGHTLINE Z COMPONENT

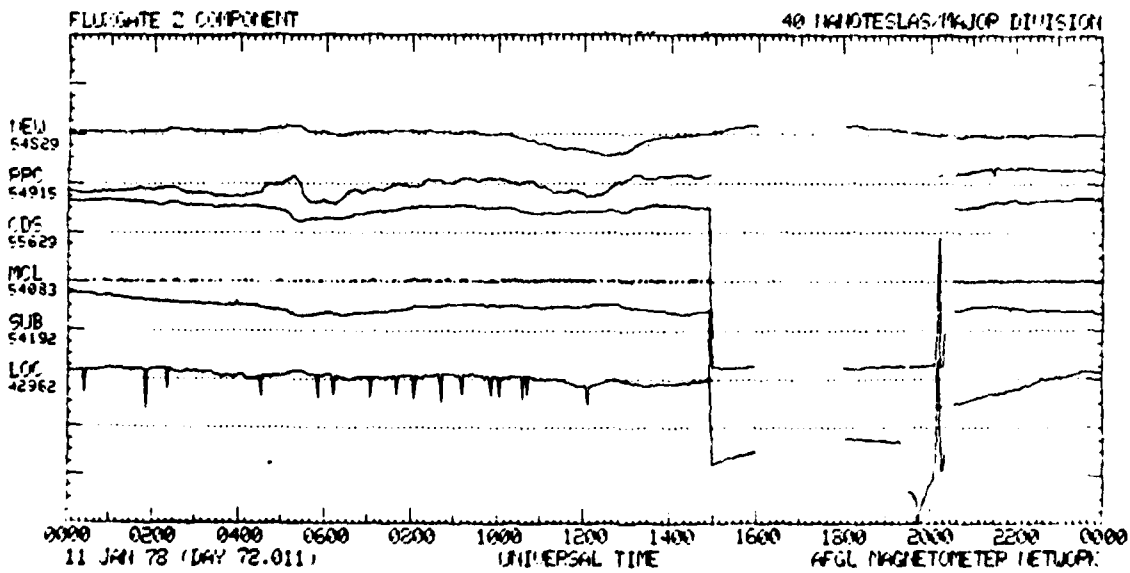
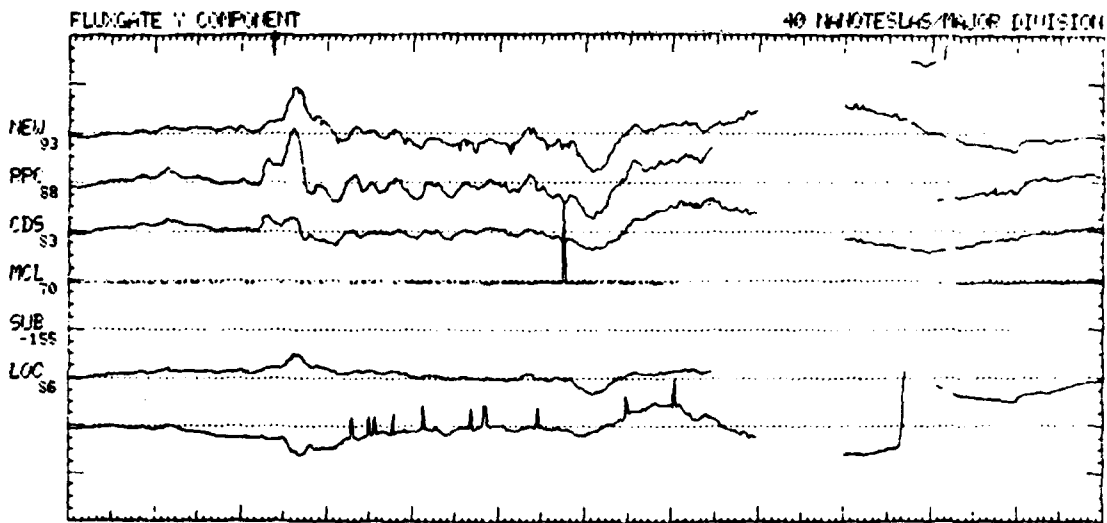
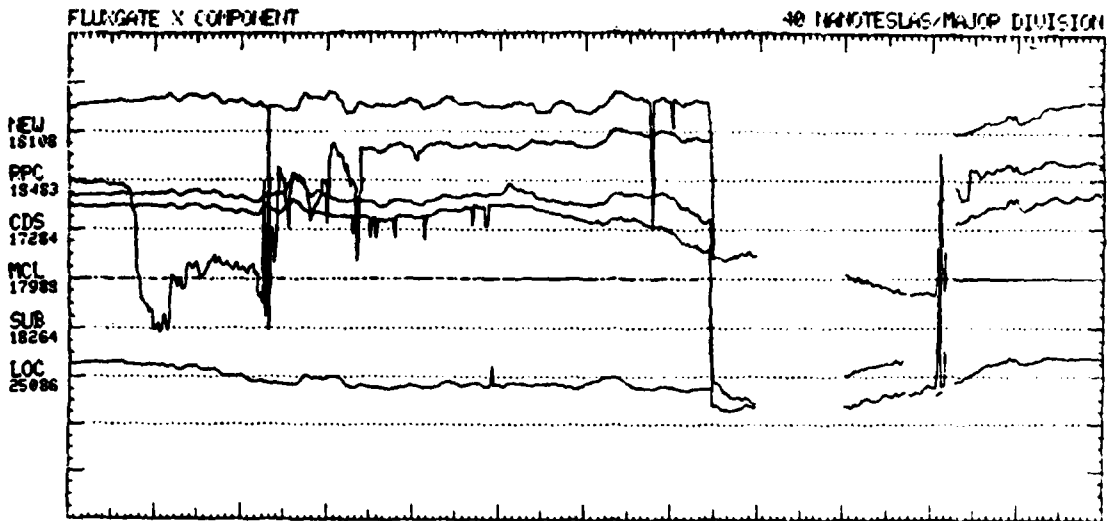
40 NANOTESLAS/MAJOR DIVISION

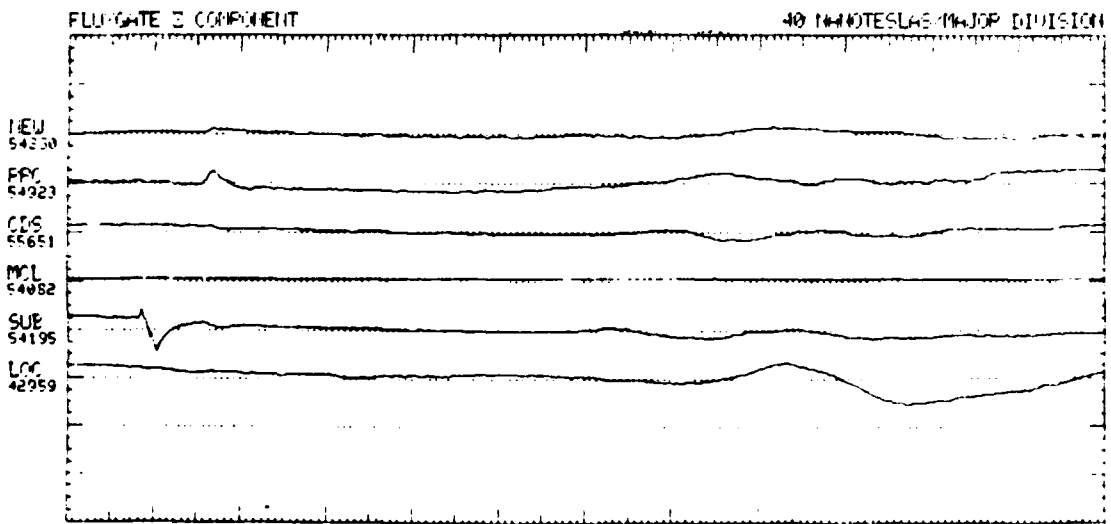
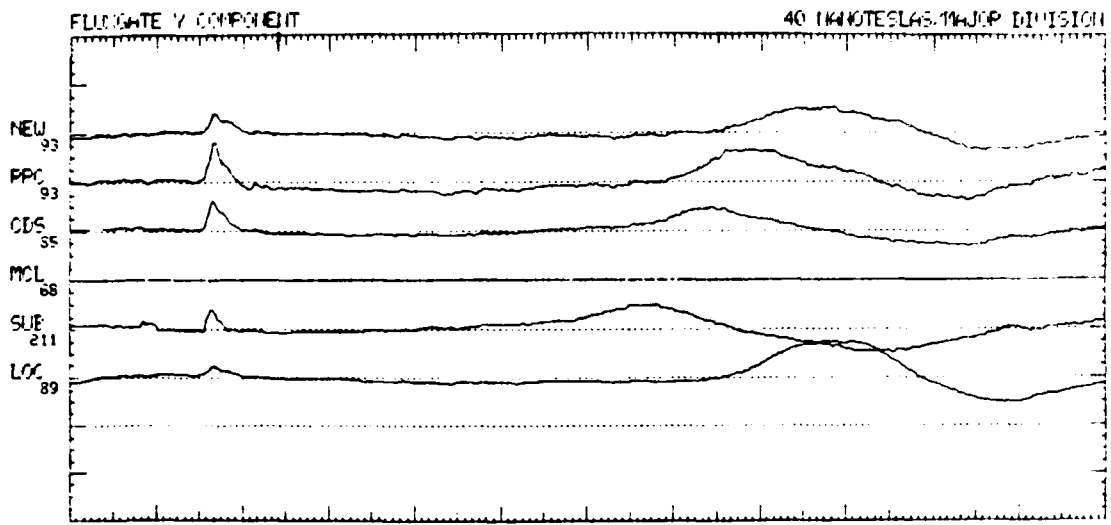
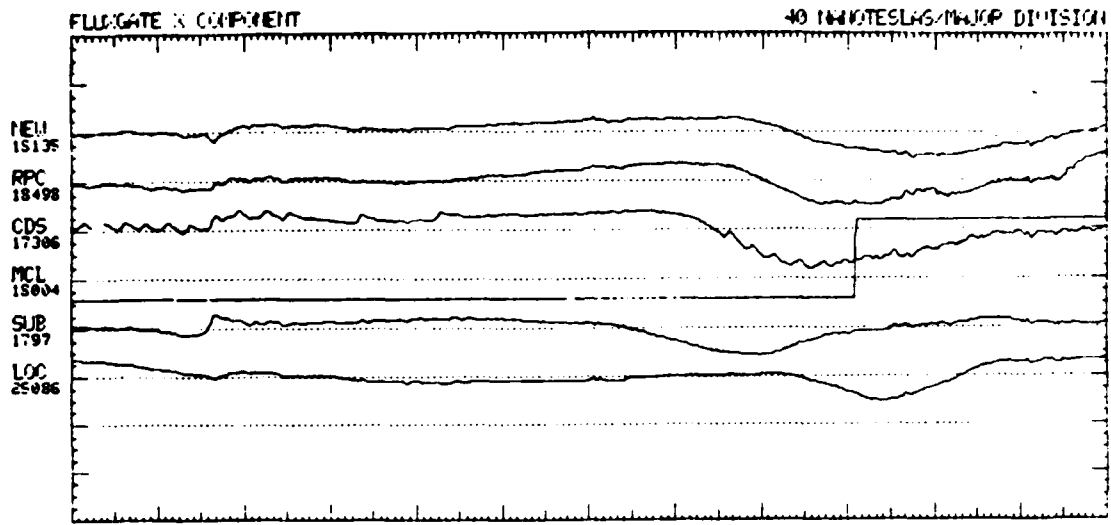
NEU
54325
PPC
5490
CDS
55652
MCL
54053
SUB
54222
LOC
42959



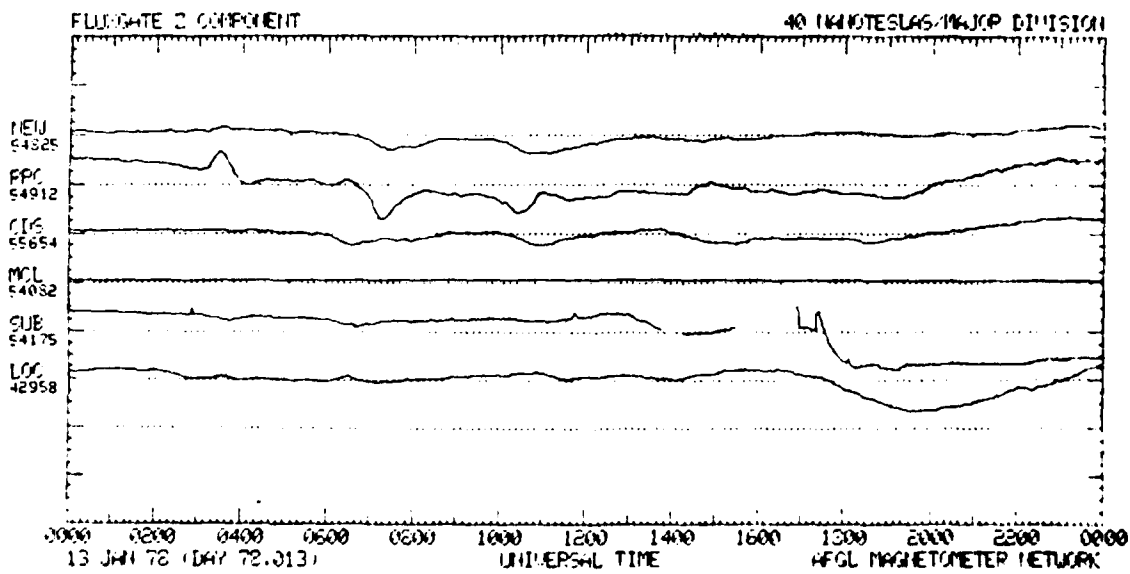
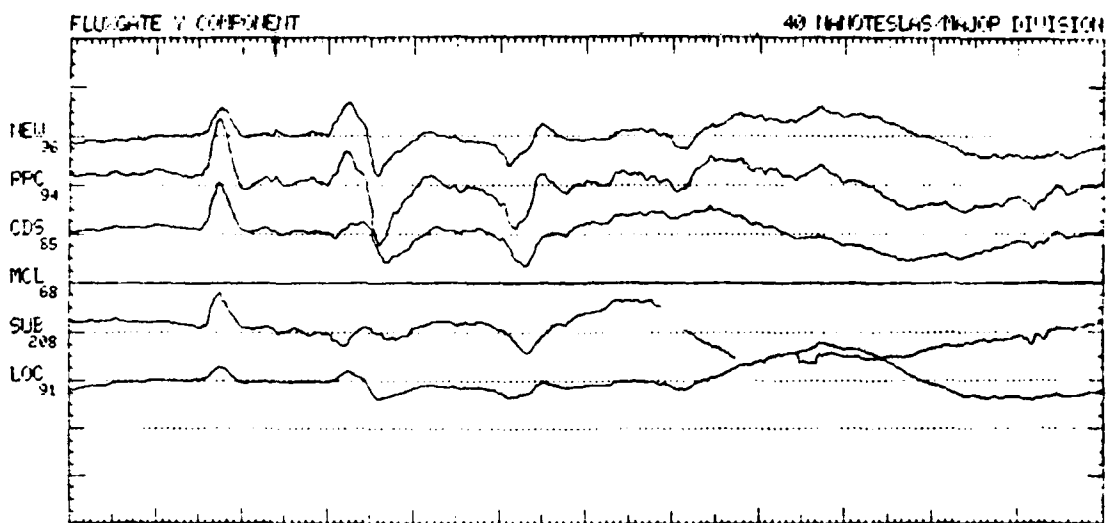
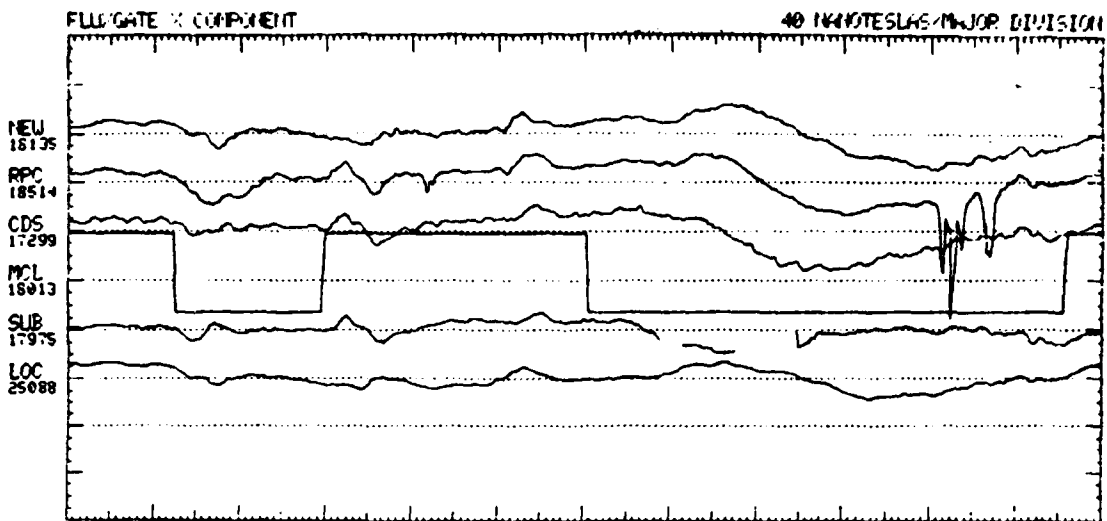
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
09 JAN 72 (DAY 72.009) UT/EPSTAL TIME HFGI MAGNETOMETER NETWORK



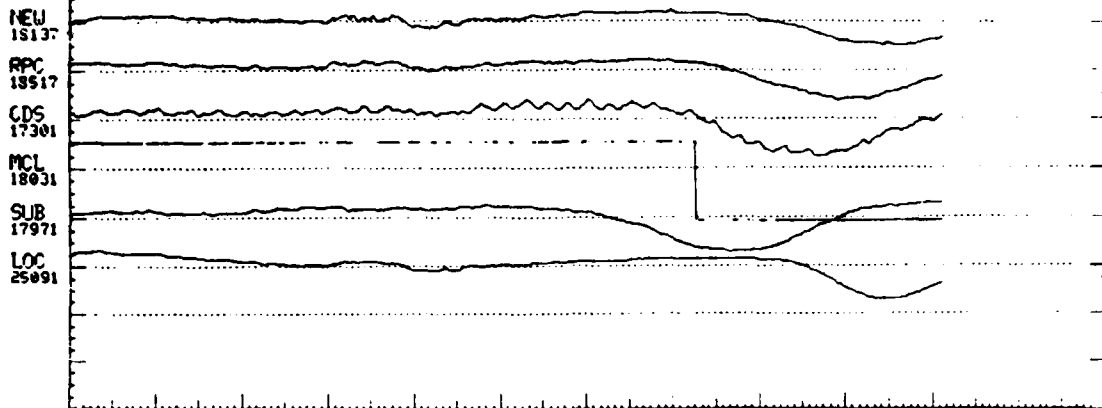




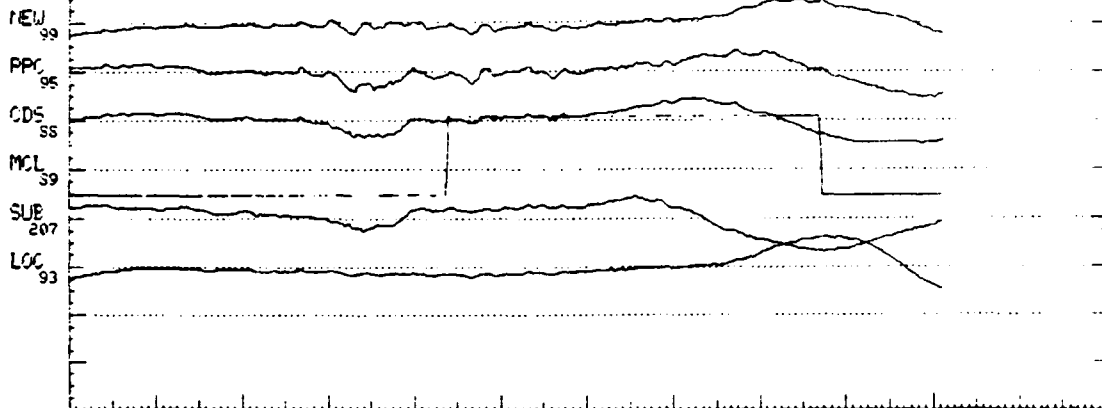
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 12 JAN 73 (DAY 73.012) UNIVERSAL TIME H-FGL MAGNETOMETER NETWORK



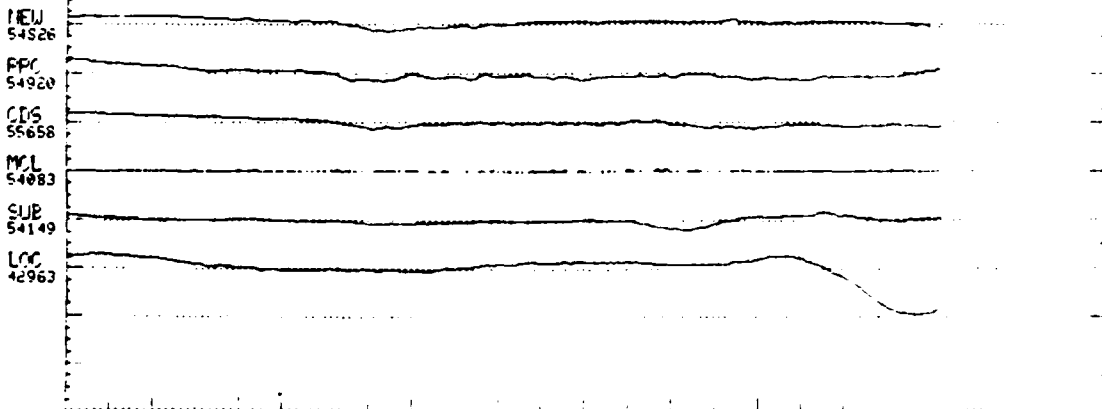
FLIGHTLINE X COMPONENT 40 MINUTES/LAS MAJOR DIVISION



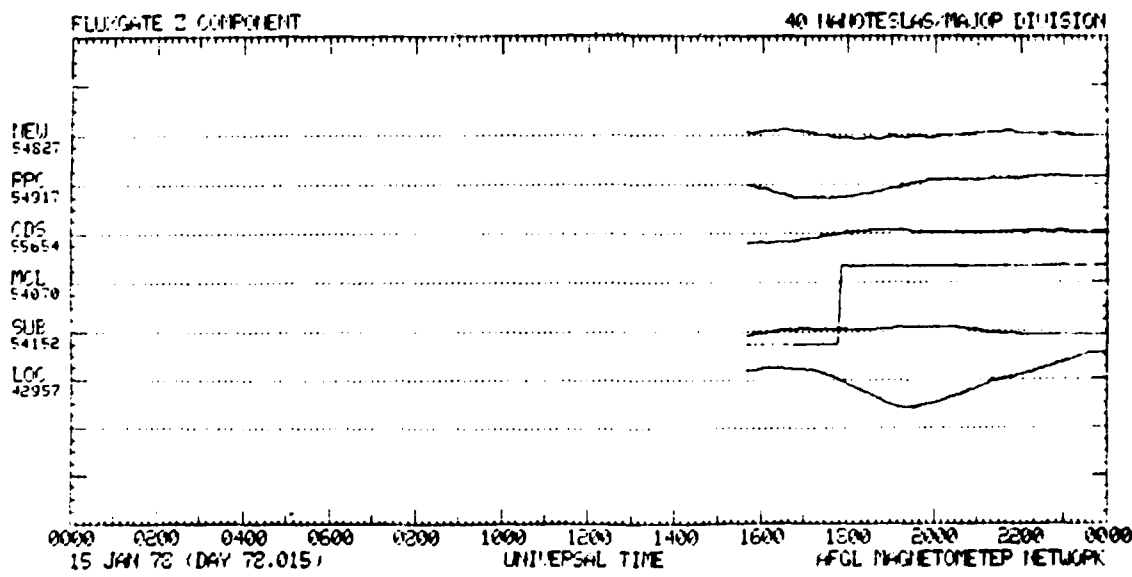
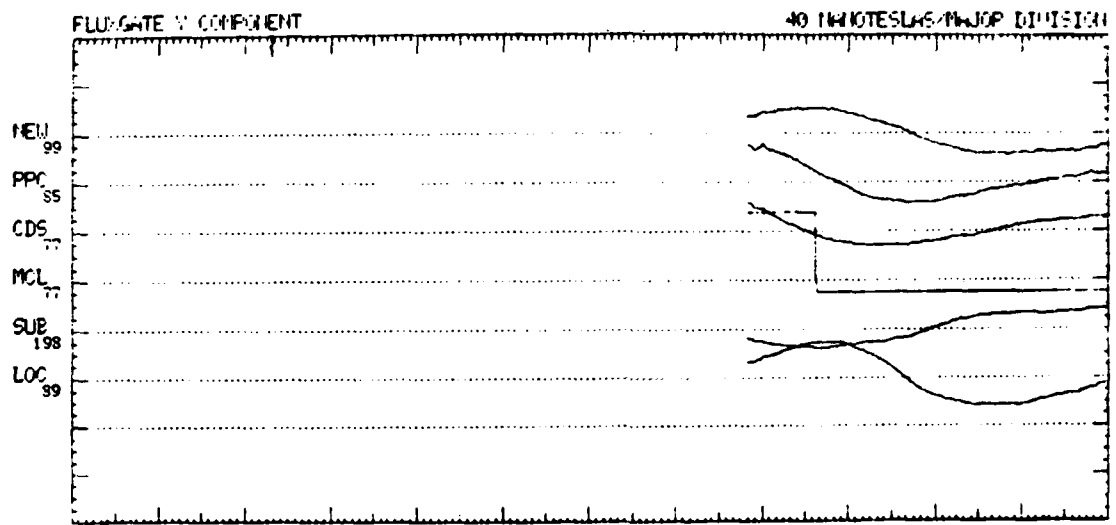
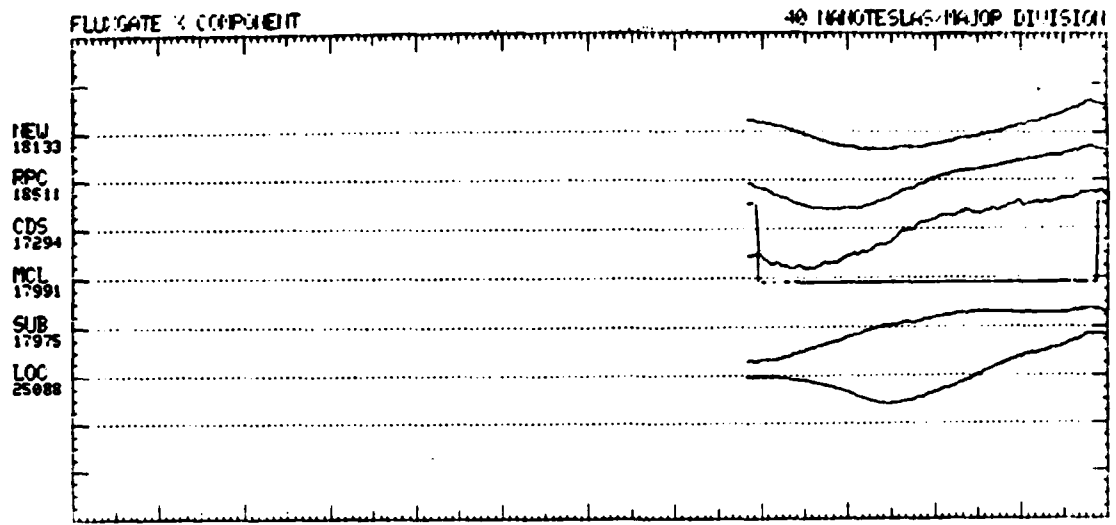
FLIGHTLINE Y COMPONENT 40 MINUTES/LAS MAJOR DIVISION

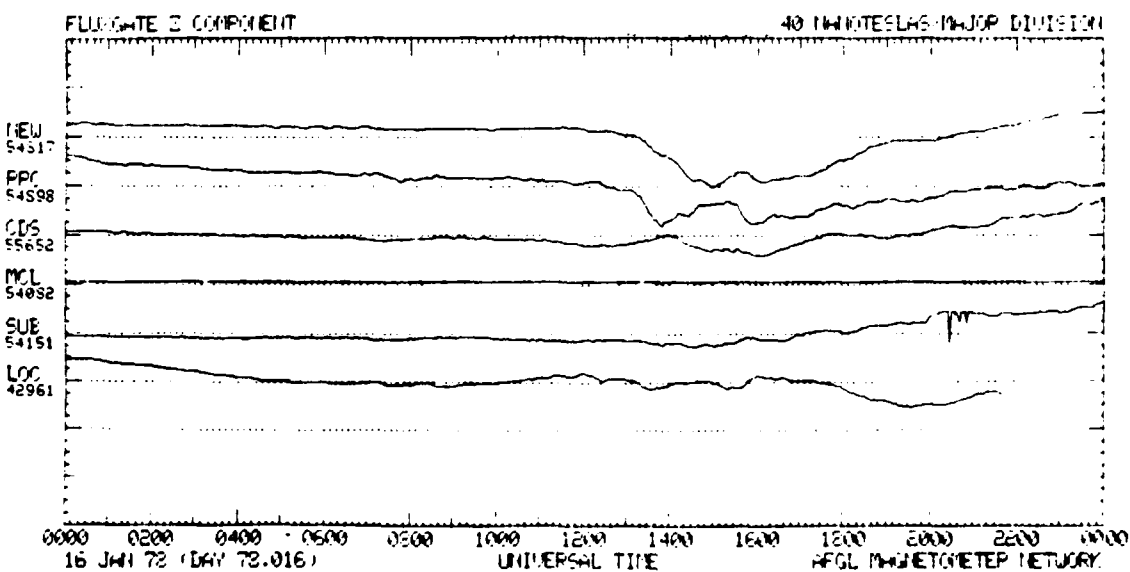
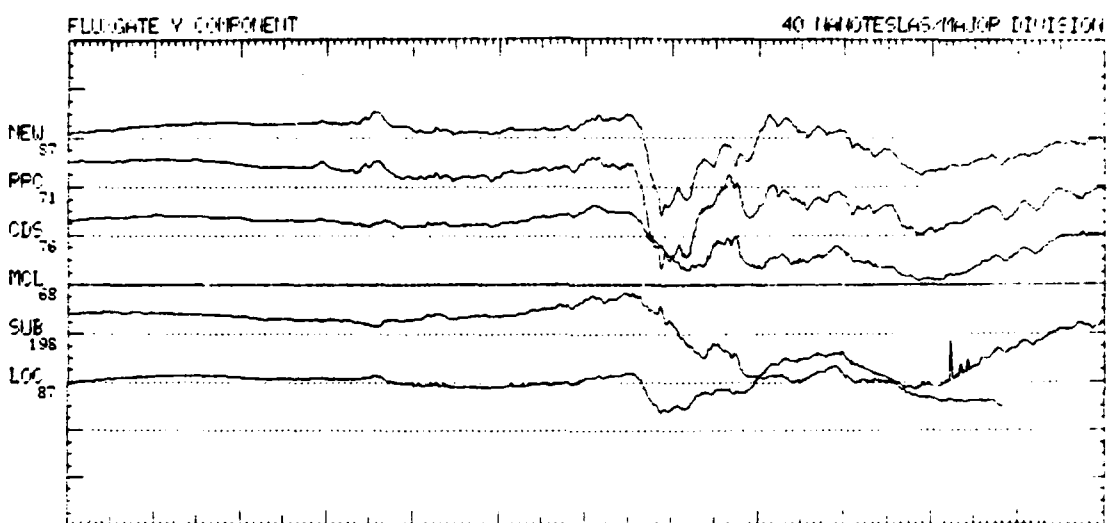
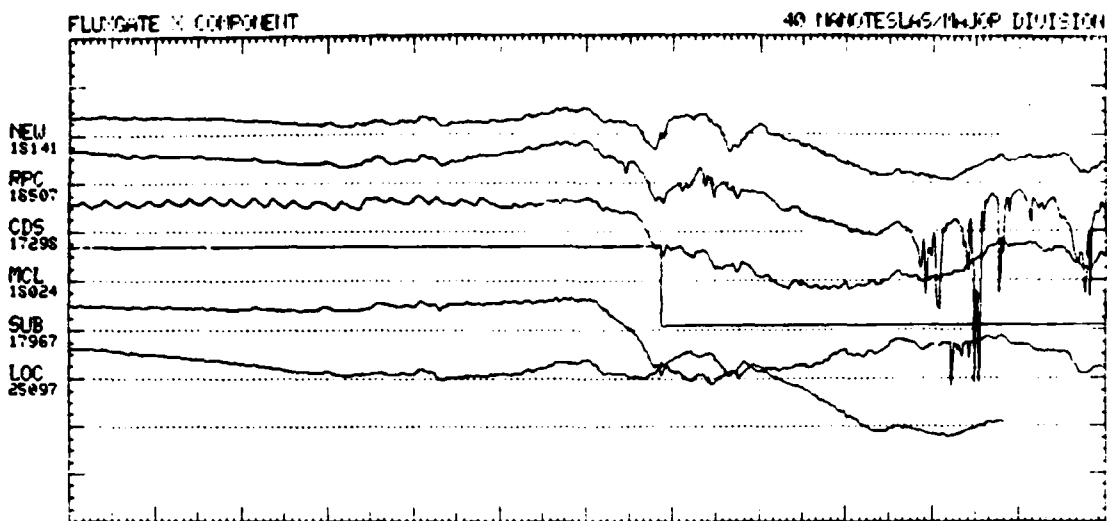


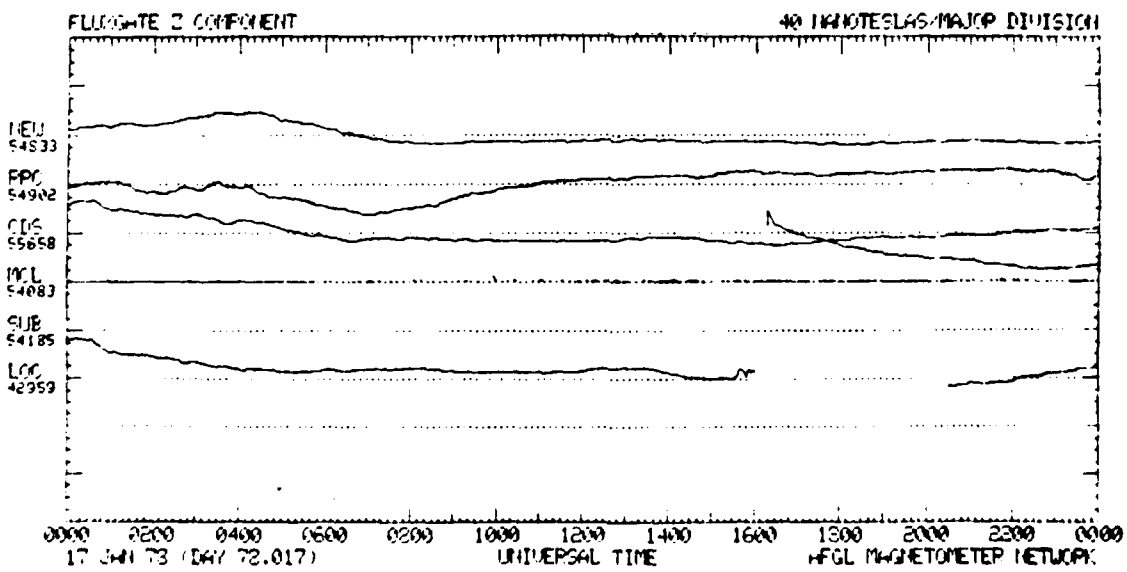
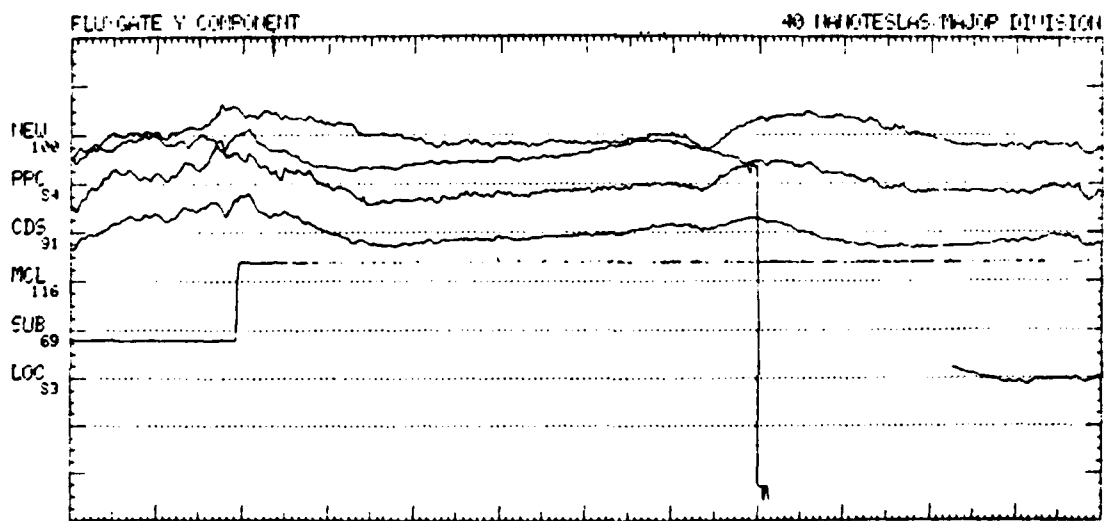
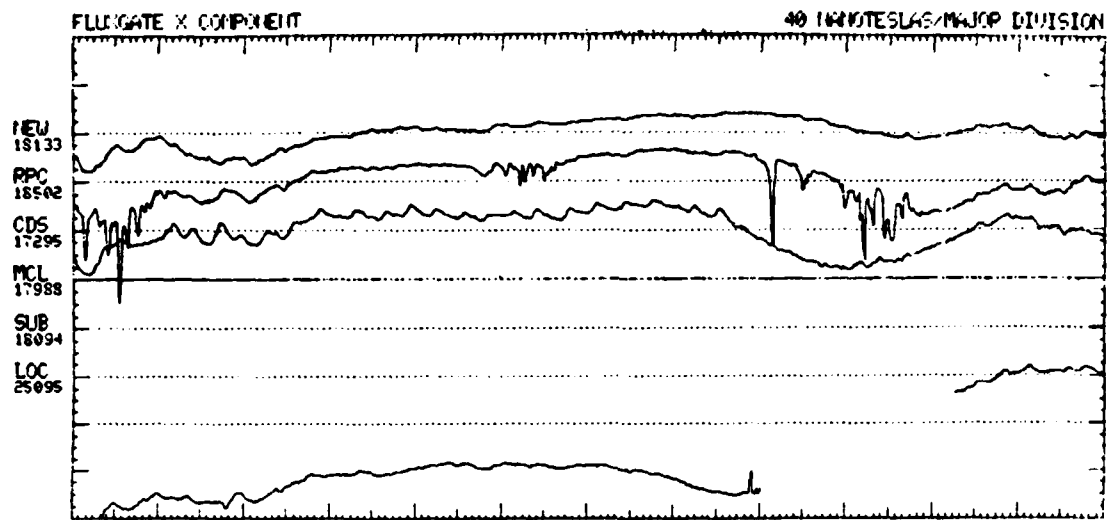
FLIGHTLINE Z COMPONENT 40 MINUTES/LAS MAJOR DIVISION



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 14 JAN 72 (DAY 79.014) UNIVERSAL TIME HFL MAGNETOMETER NETWORK



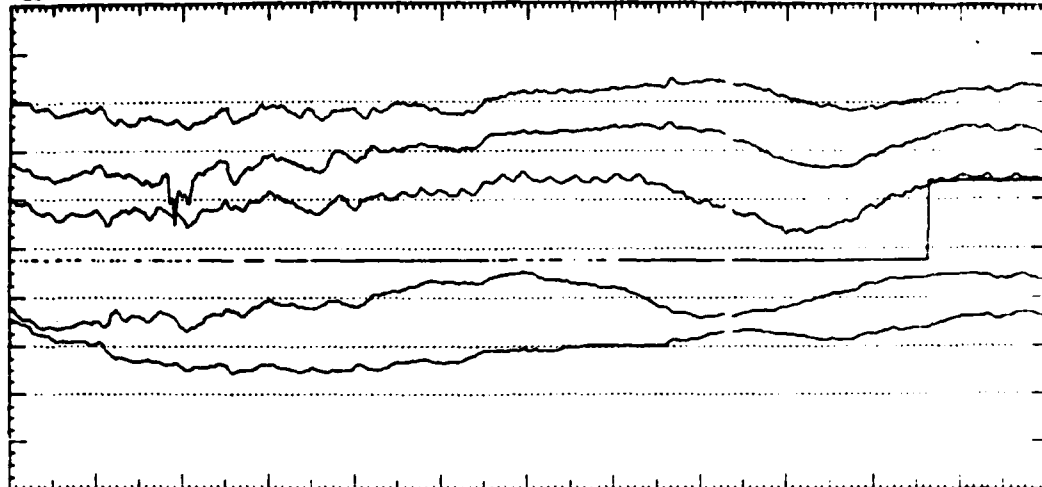




FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

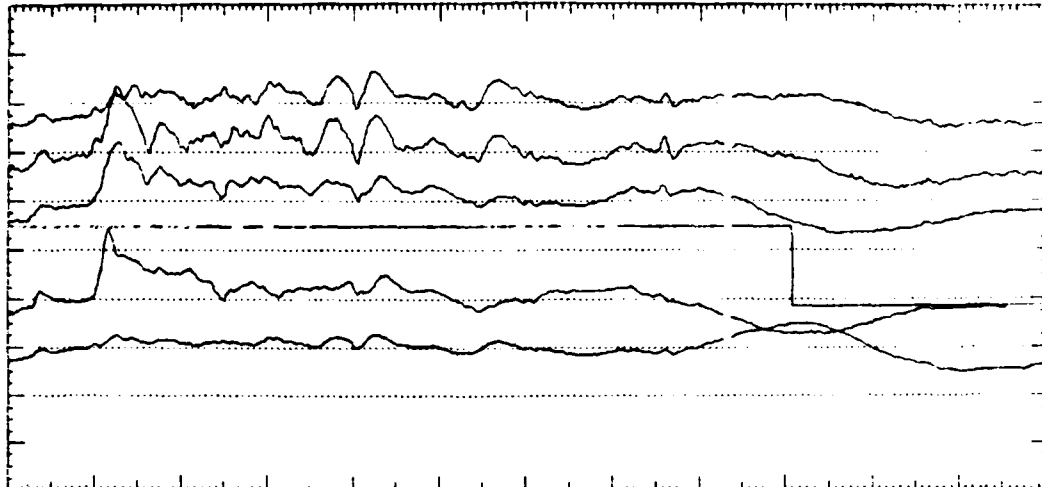
NEU
13131
RPC
18513
CDS
17289
MCL
17997
SUB
18356
LOC
25075



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

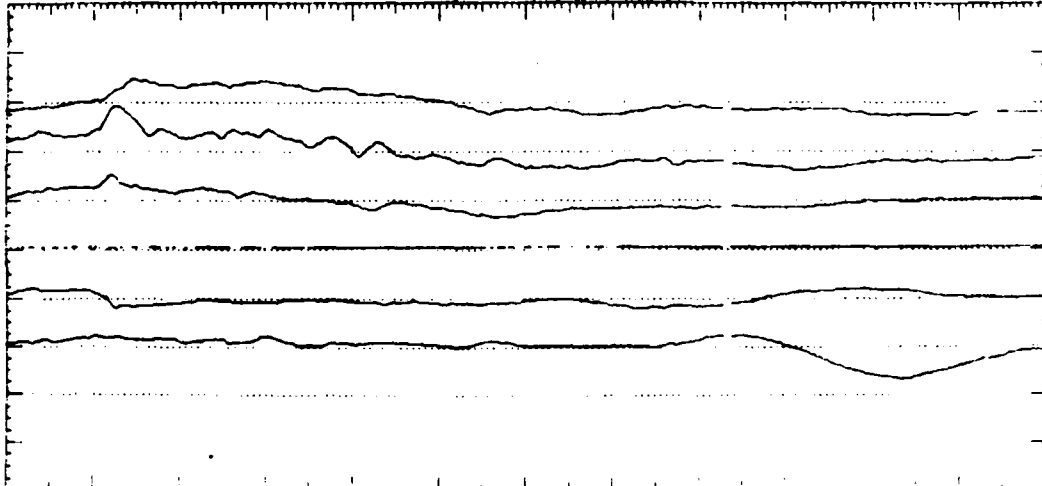
NEU
10
RPC
93
CDS
98
MCL
113
SUB
-217
LOC
97



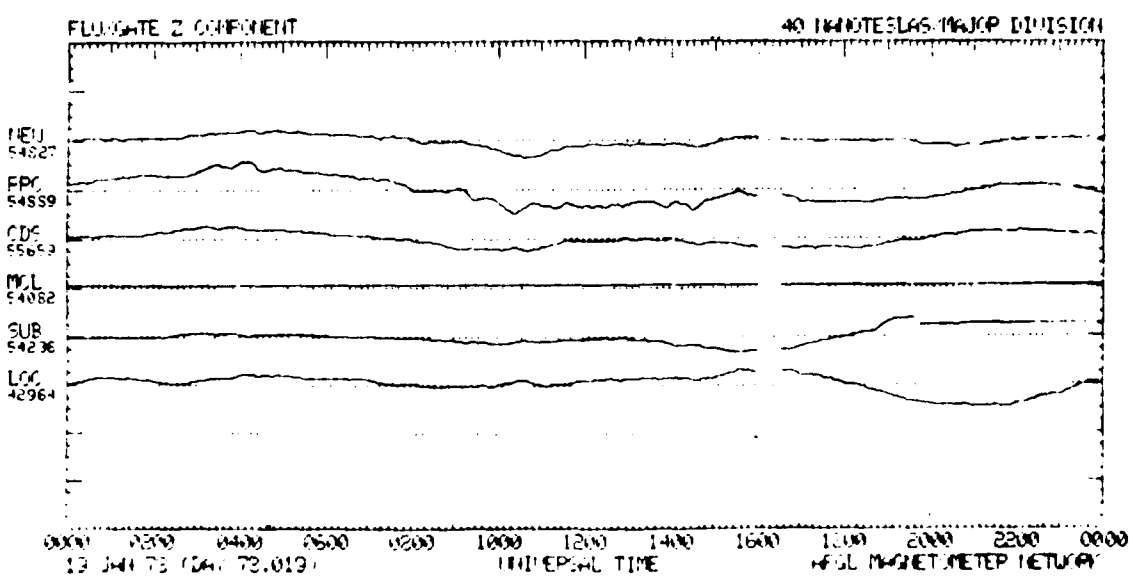
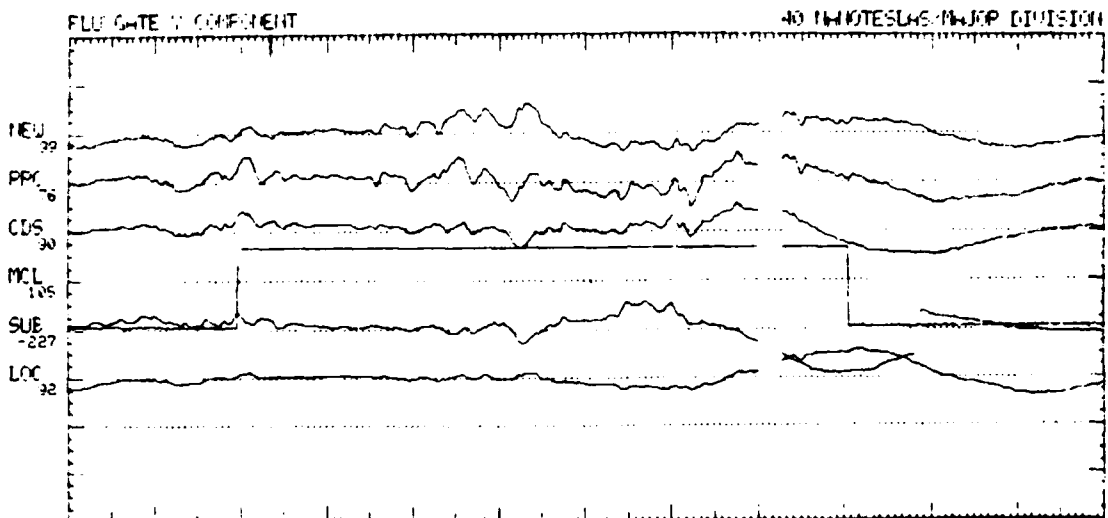
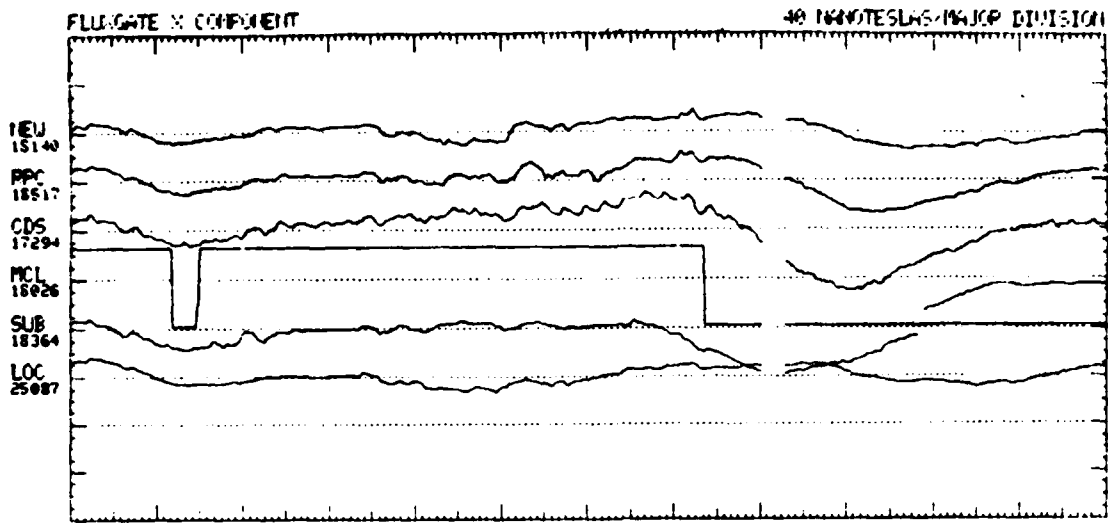
FLUXGATE Z COMPONENT

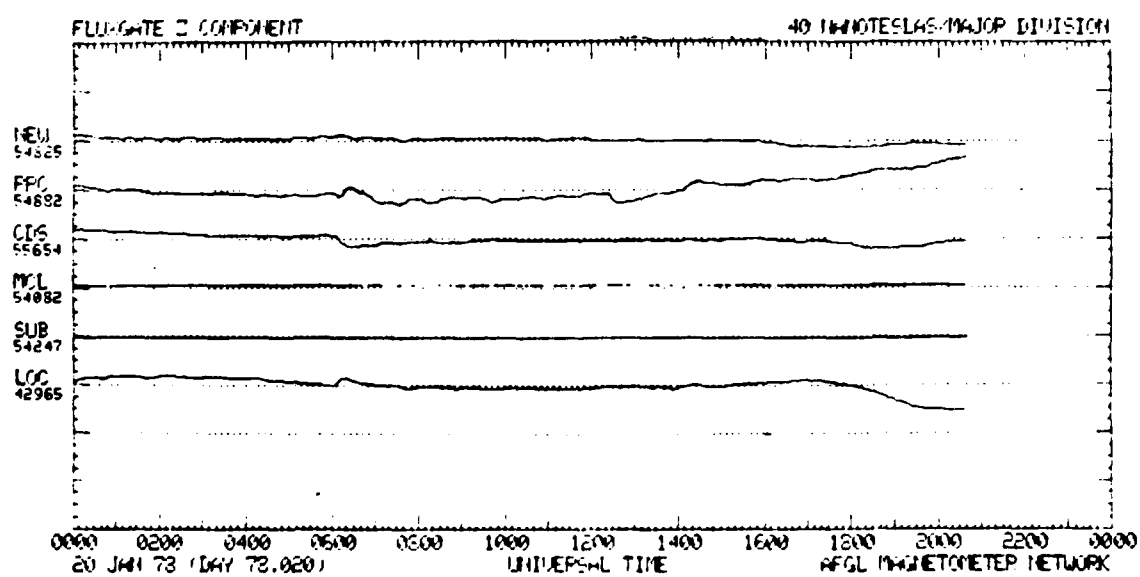
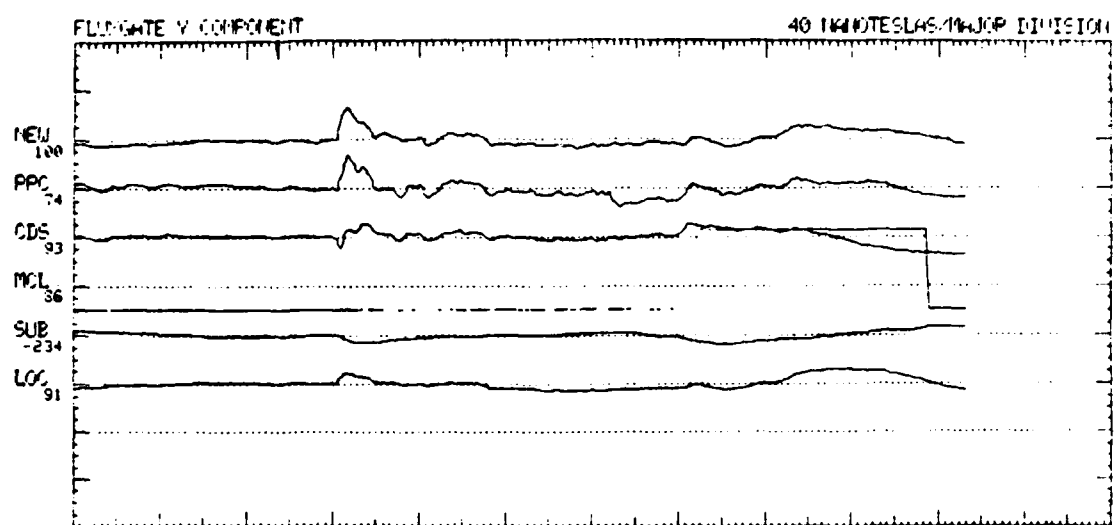
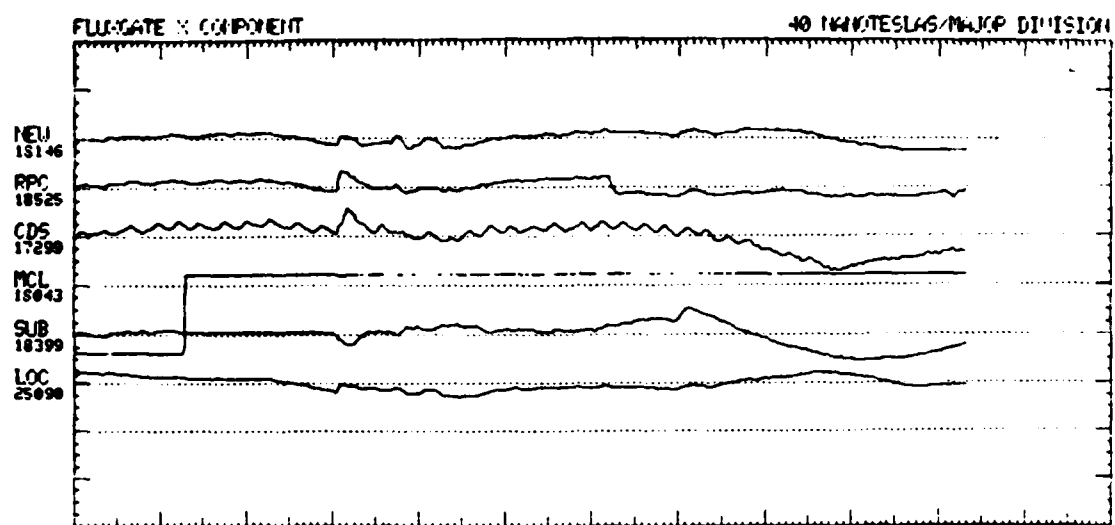
40 NANOTESLAS/MAJOR DIVISION

NEU
54534
RPC
54900
CDS
55659
MCL
54982
SUB
54235
LOC
42967

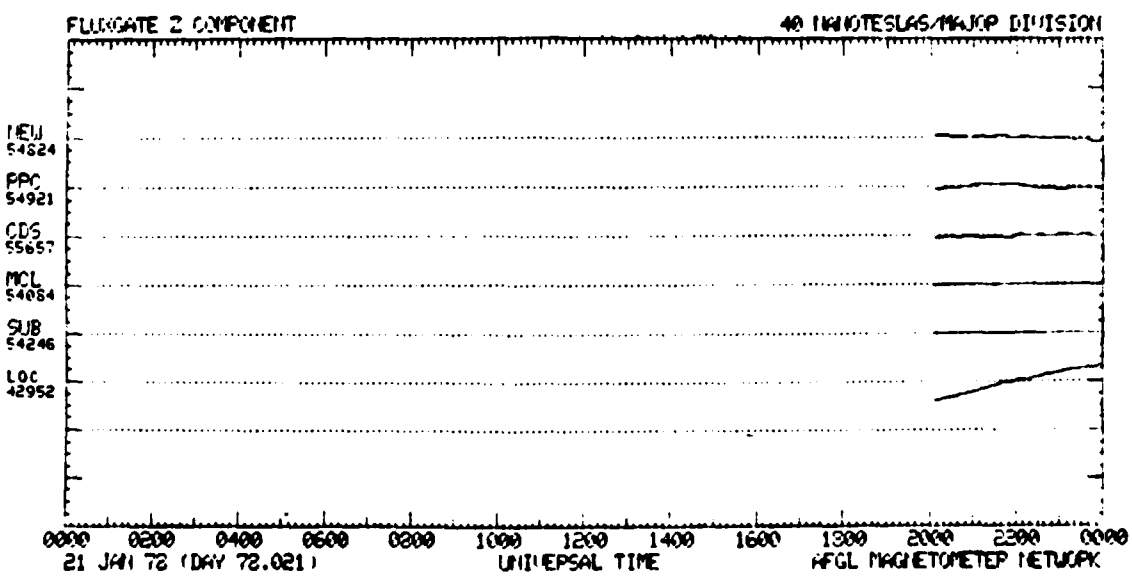
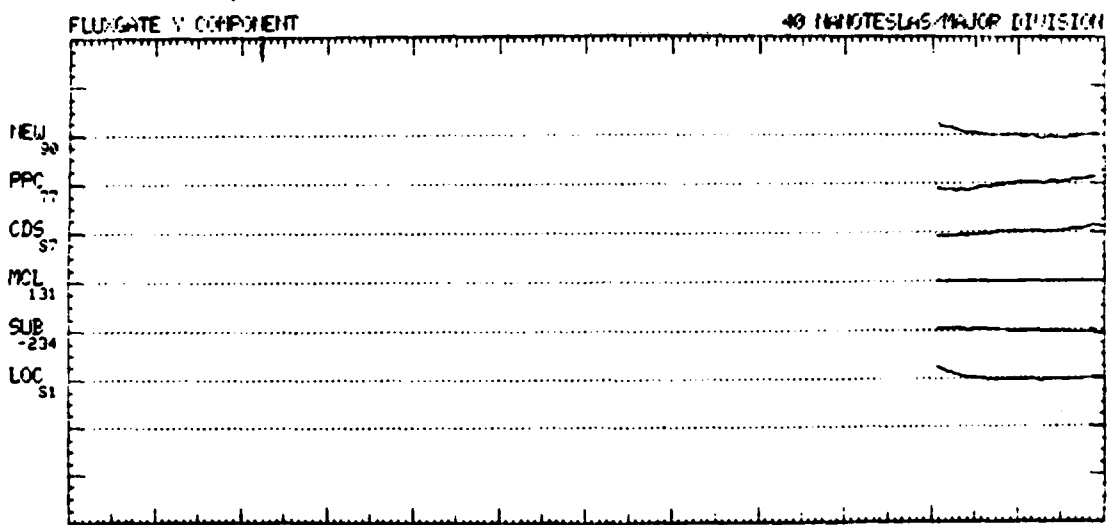
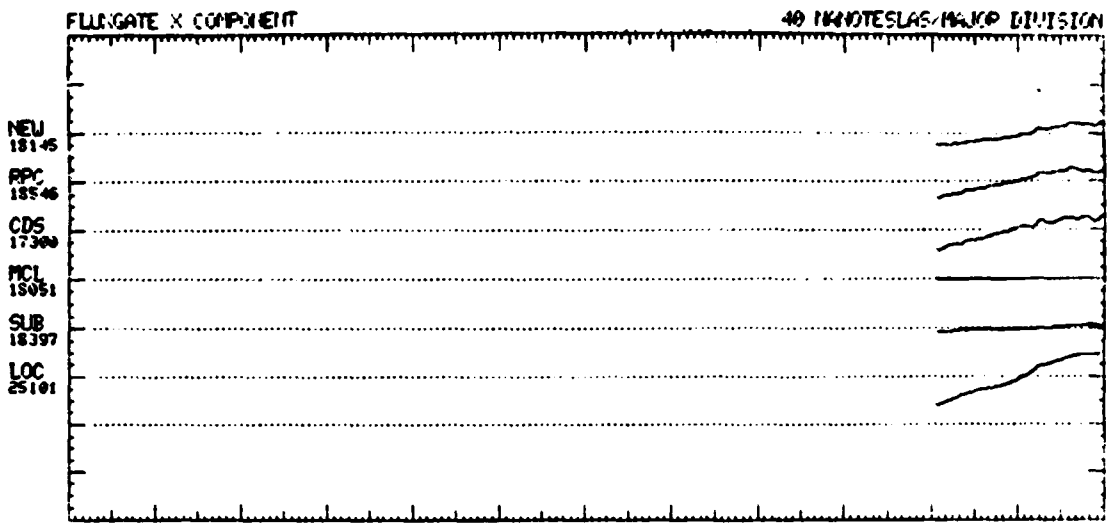


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
12 JUN 78 (DAY 73.018) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

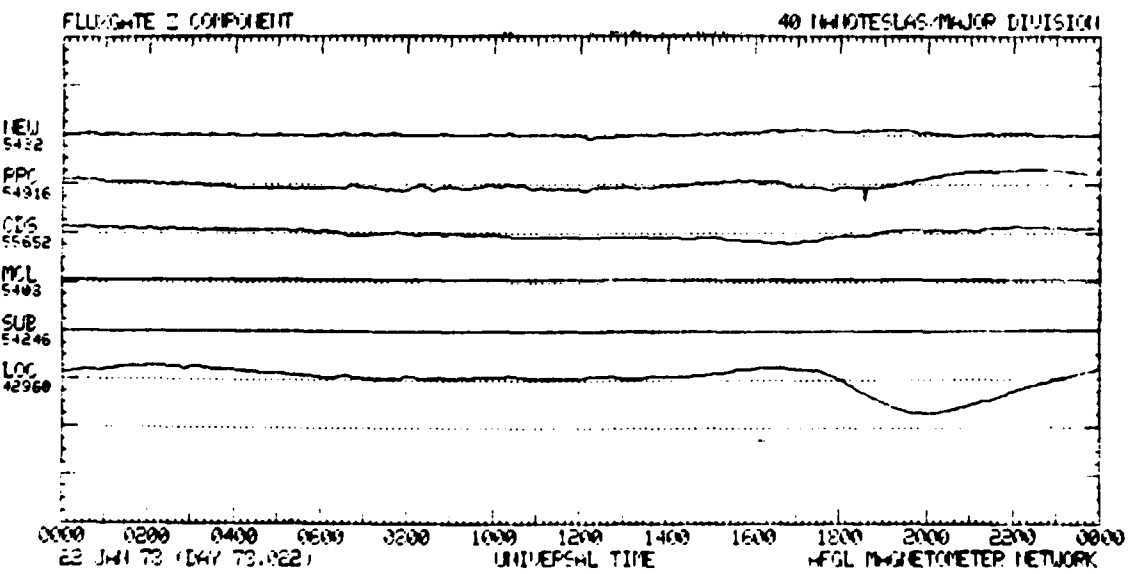
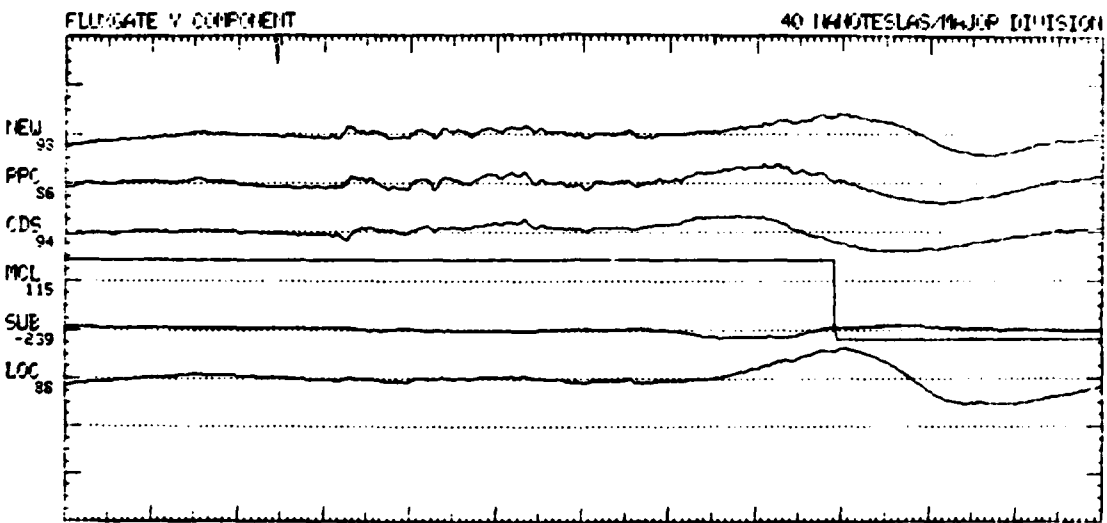
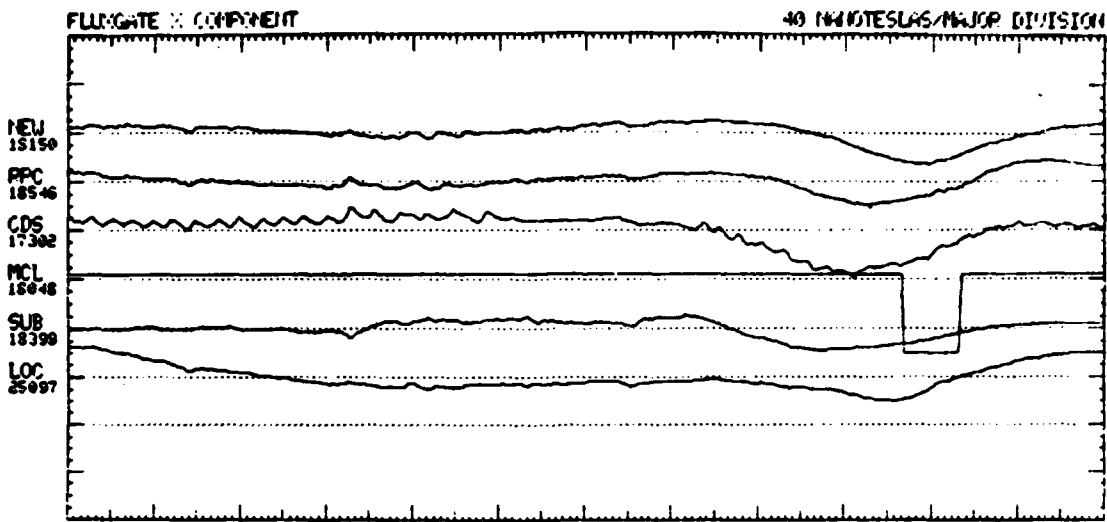




0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 20 JAN 73 (DAY 73.020) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 21 JAN 72 (DAY 72.021) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

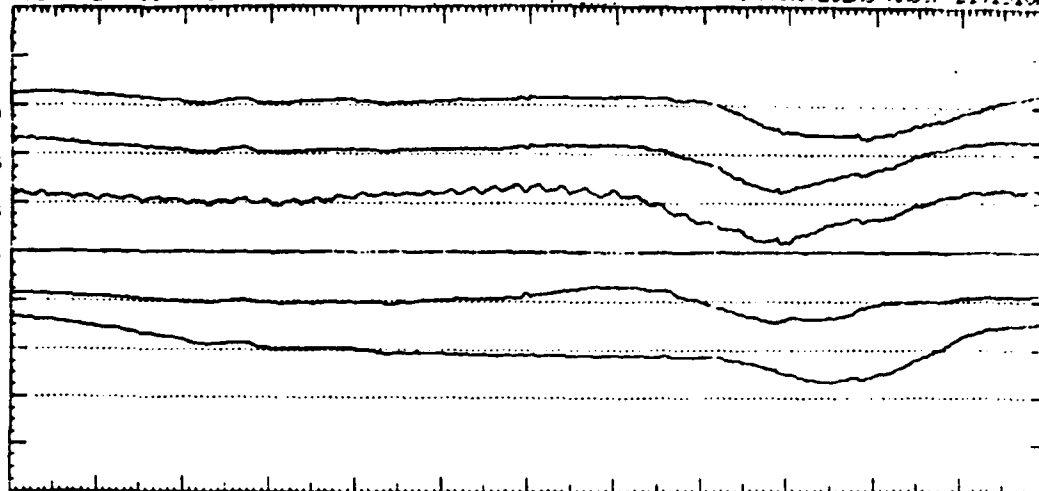


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 22 JAN 73 (DAY 73.022) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

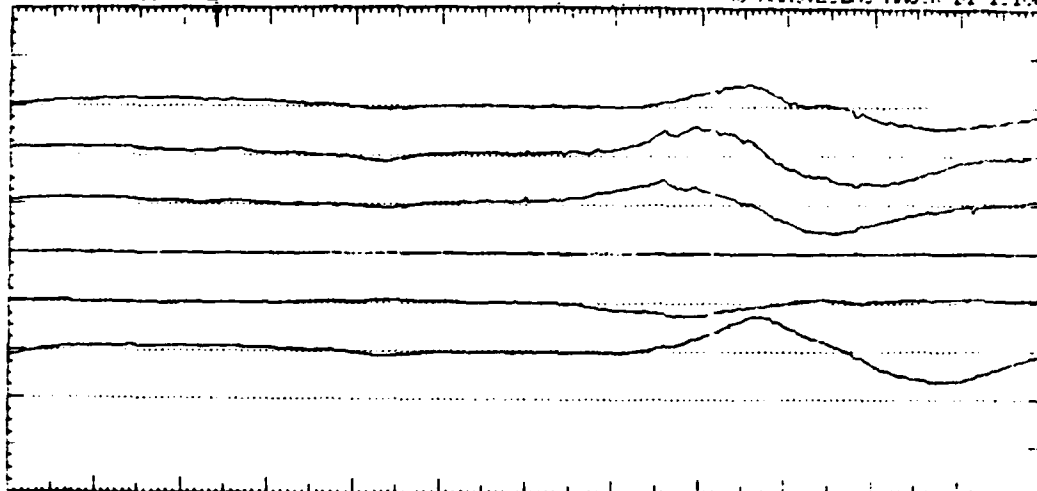
NEU
18149
PPC
18546
CDS
17296
MCL
18952
SUB
18397
LOC
25091



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

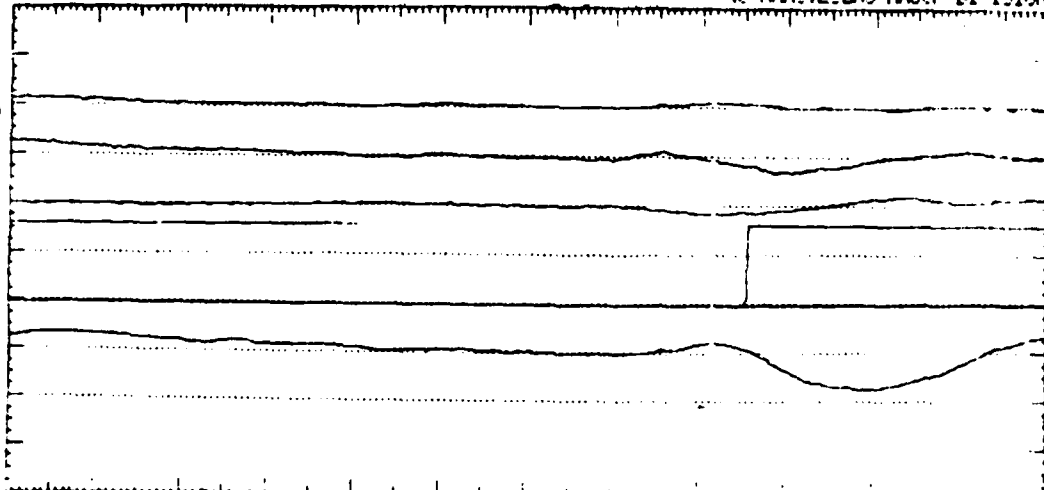
NEU
32
PPC
36
CDS
94
MCL
67
SUB
-241
LOC
5



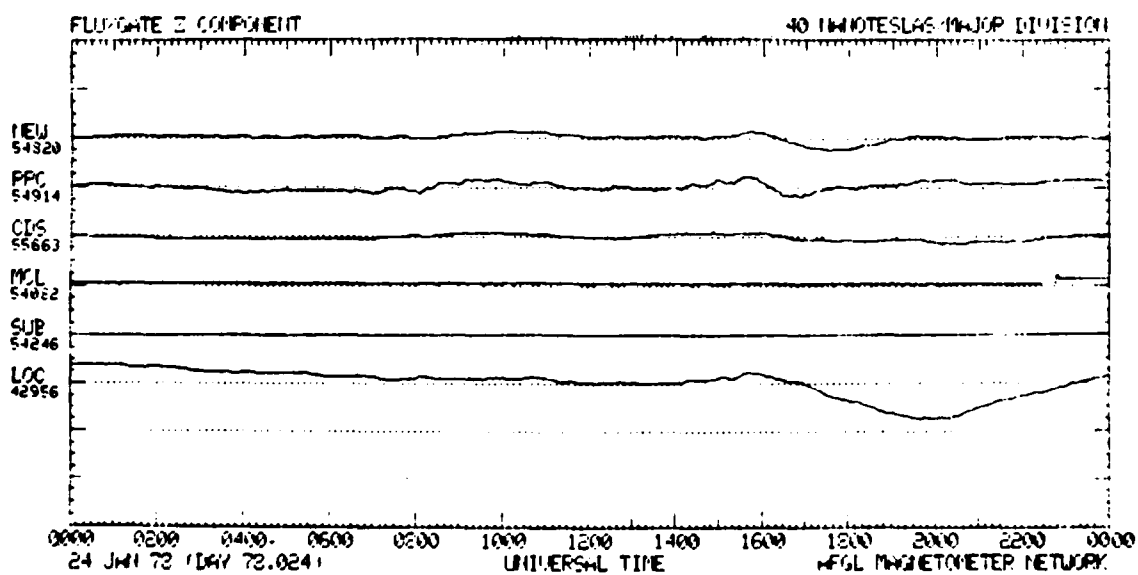
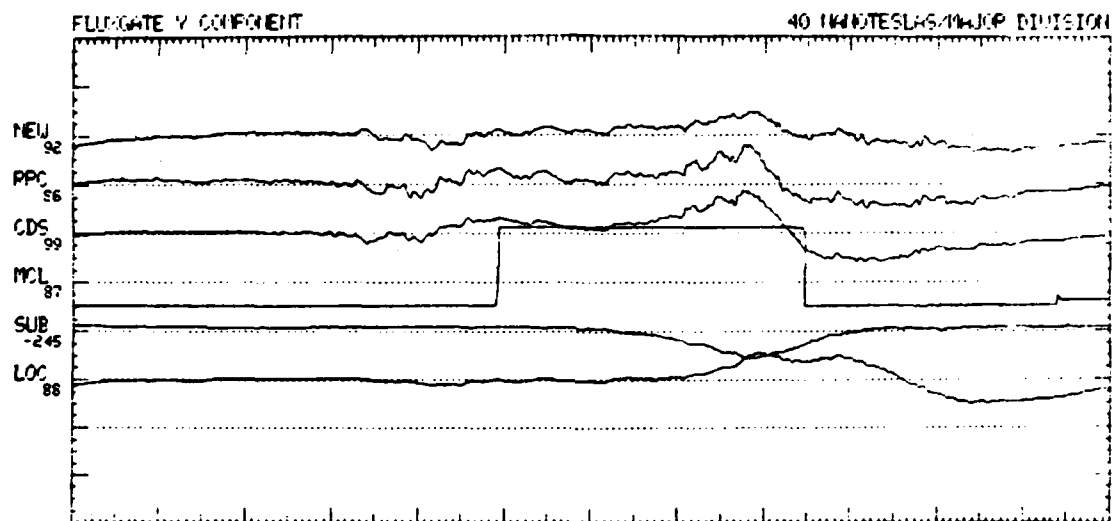
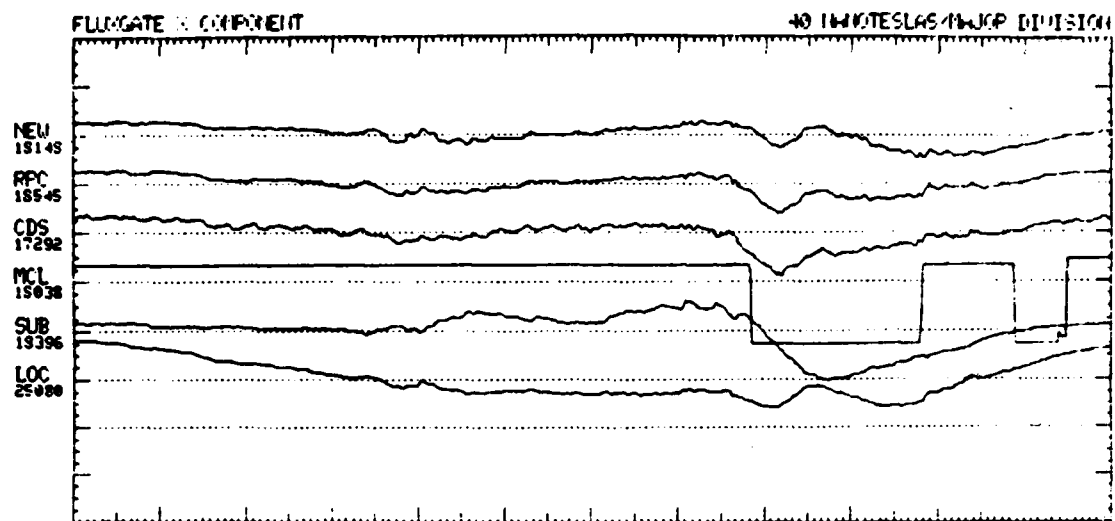
FLUGATE Z COMPONENT

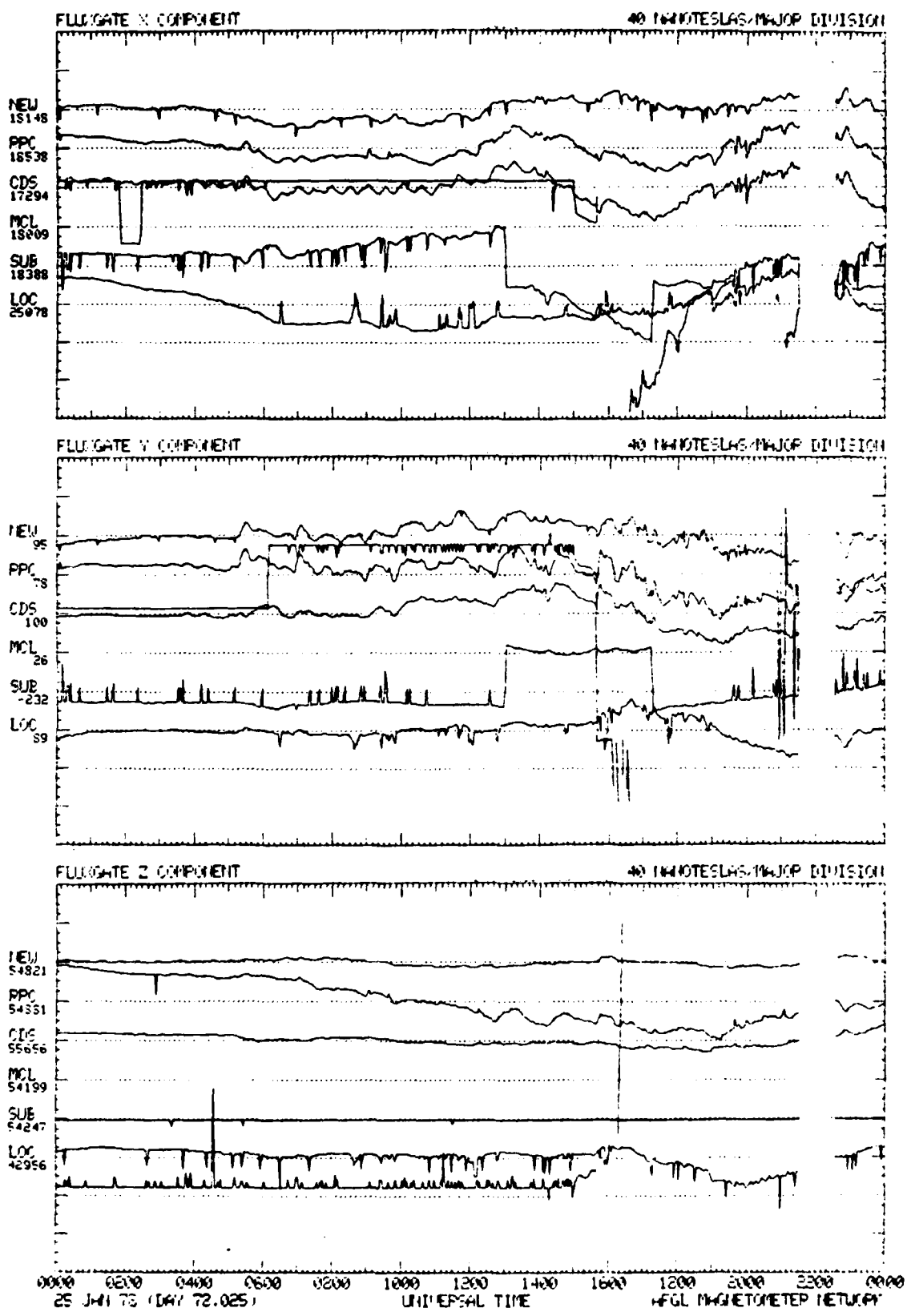
40 NANOTESLAS/MAJOR DIVISION

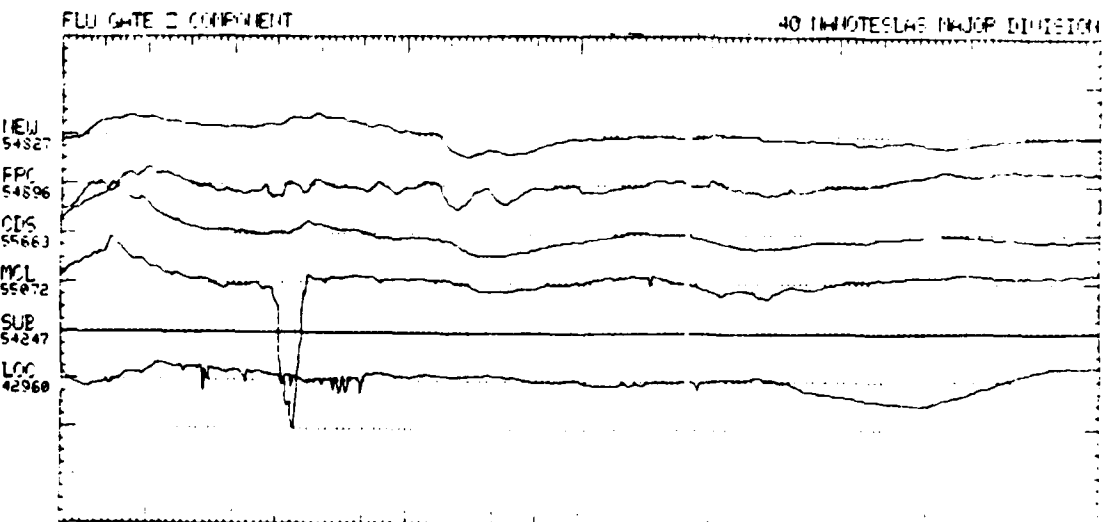
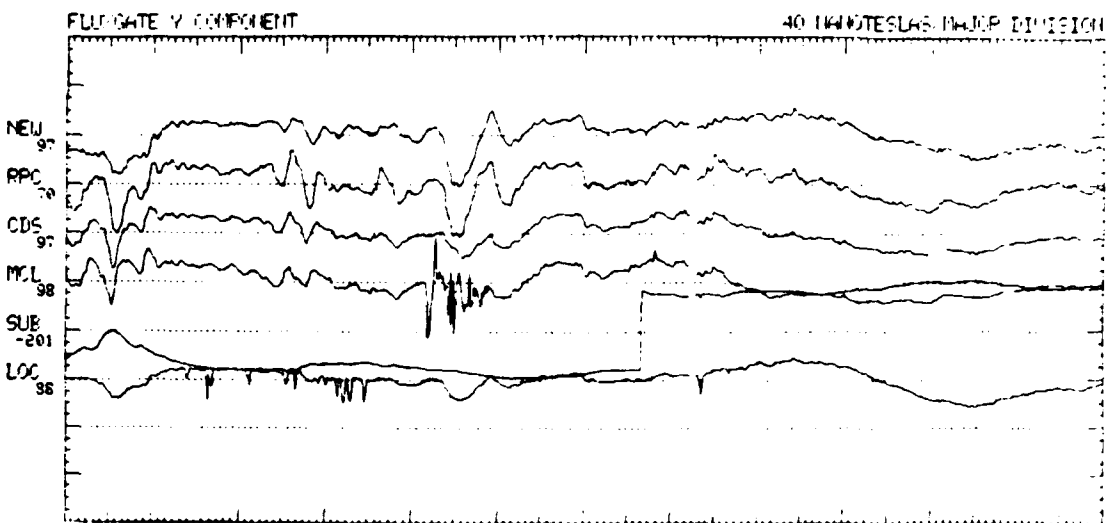
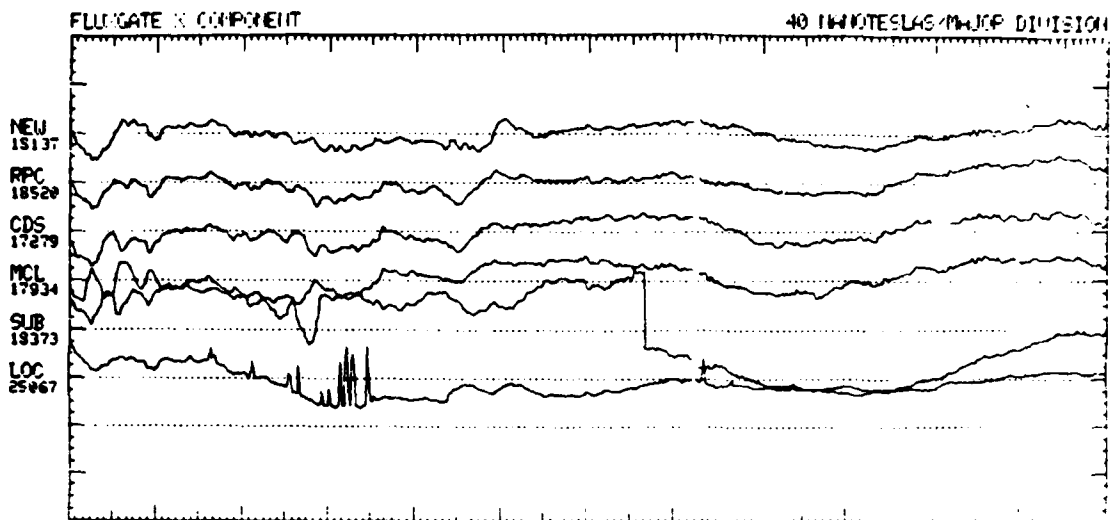
NEU
54819
PPC
54914
CDS
55656
MCL
54060
SUB
54247
LOC
42958



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
23 JAN 78 (DAY 78.023) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK







0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 26 JAN 72 (DAY 73.026) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

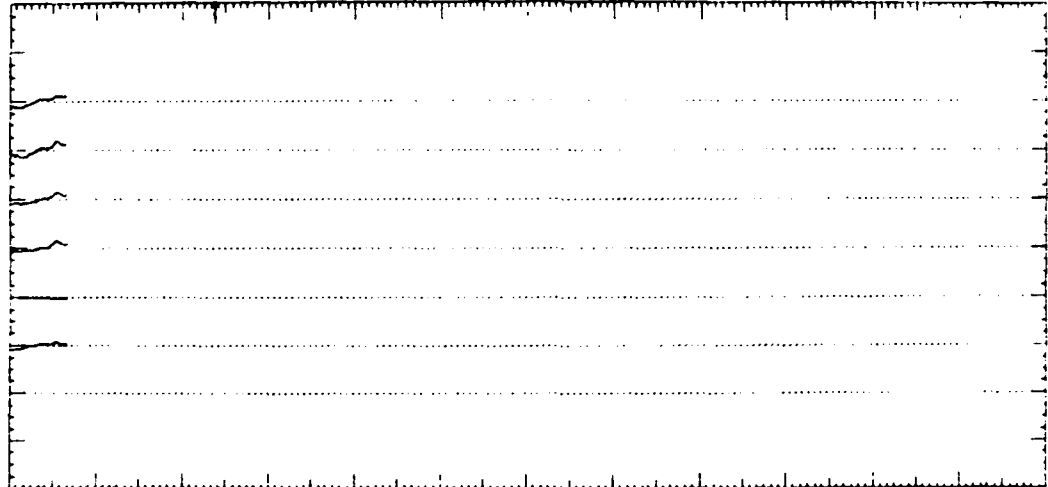
NEW
15146
RPC
15533
CDS
1728
MCL
1794
SUB
19340
LOC
25104



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

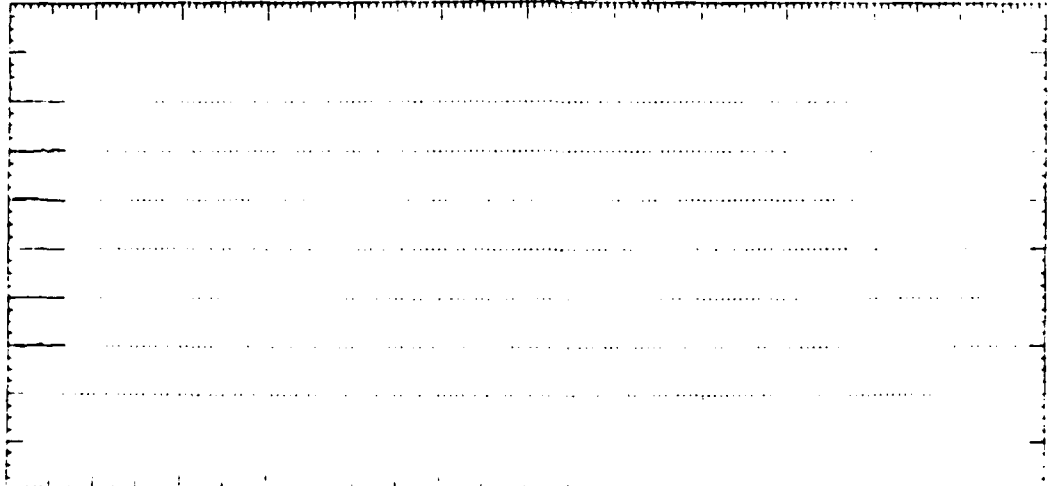
NEW
95
RPC
74
CDS
97
MCL
97
SUB
-164
LOC
58



FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54826
RPC
54907
CDS
55653
MCL
55079
SUB
54246
LOC
42973

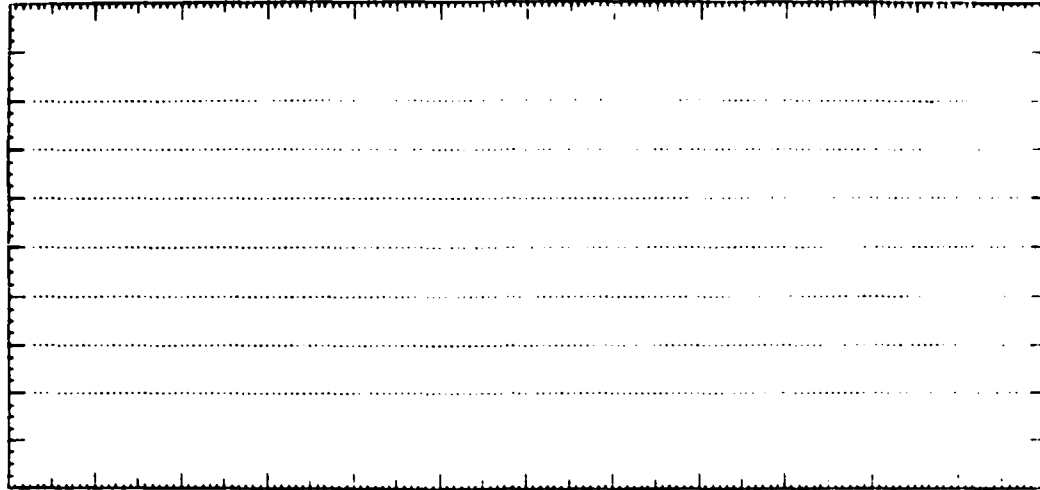


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
27 JAN 78 (DAY 78.027) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

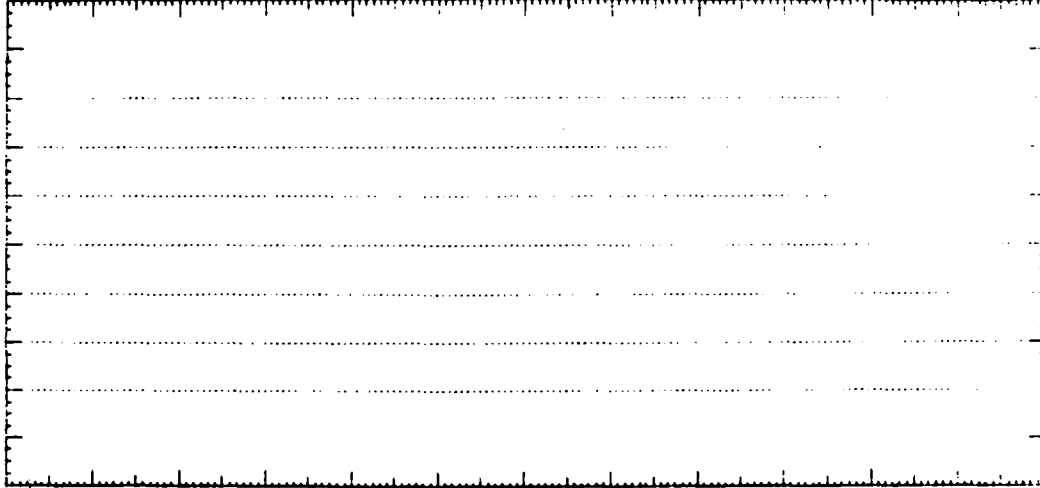
NEW
131.46
RPC
185.33
CDS
172.86
MCL
179.46
SUB
183.48
LOC
251.04



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

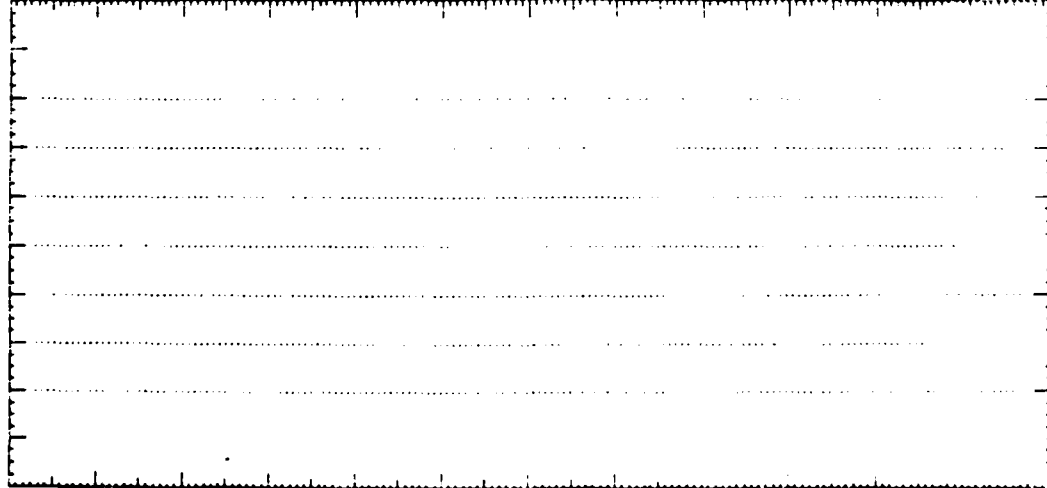
NEW
95
RPC
74
CDS
97
MCL
97
SUB
-164
LOC
88



FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
548.26
RPC
549.07
CDS
556.58
MCL
550.79
SUB
542.46
LOC
429.73

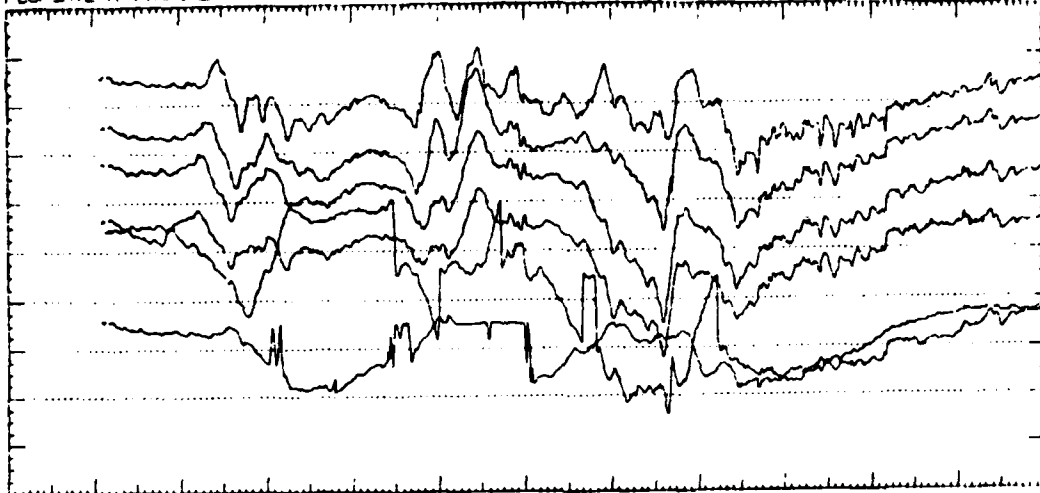


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
23 JAN 78 (DAY 78.028) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLU-GATE X COMPONENT

40 INCHES LAS-PAWOP DIVISION

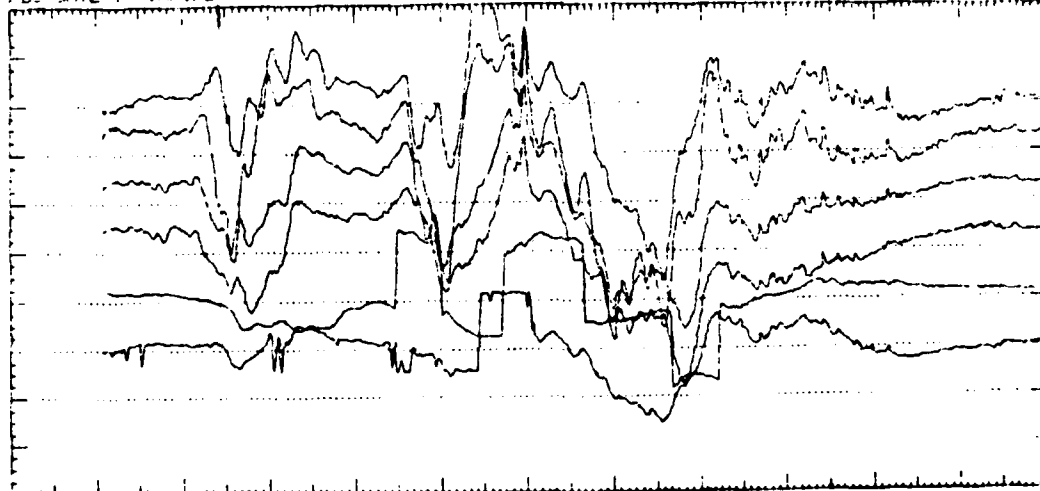
NEU
18129
RPC
13519
CDS
17253
MCL
17927
SUB
18346
LOC
25072



FLU-GATE Y COMPONENT

40 INCHES LAS-PAWOP DIVISION

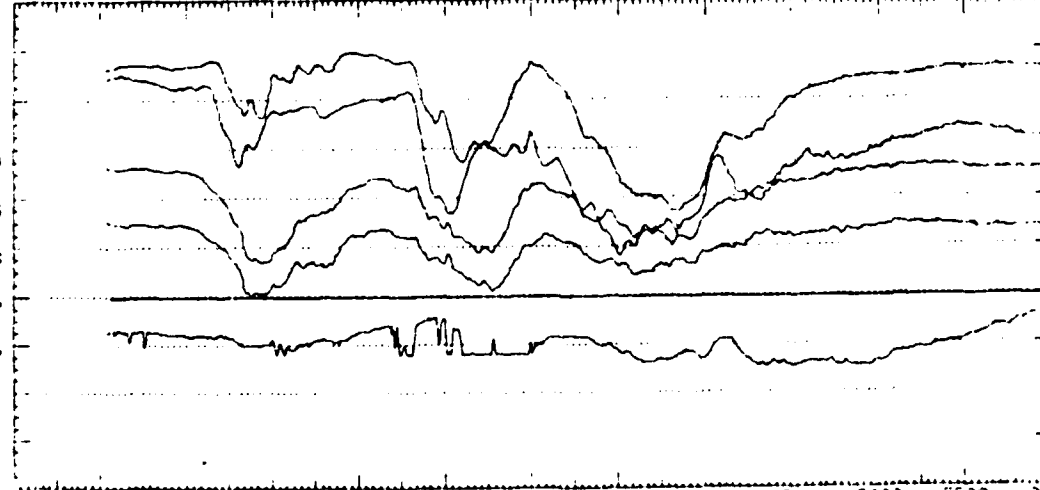
NEU
33
RPC
62
CDS
59
MCL
58
SUB
238
LOC
37



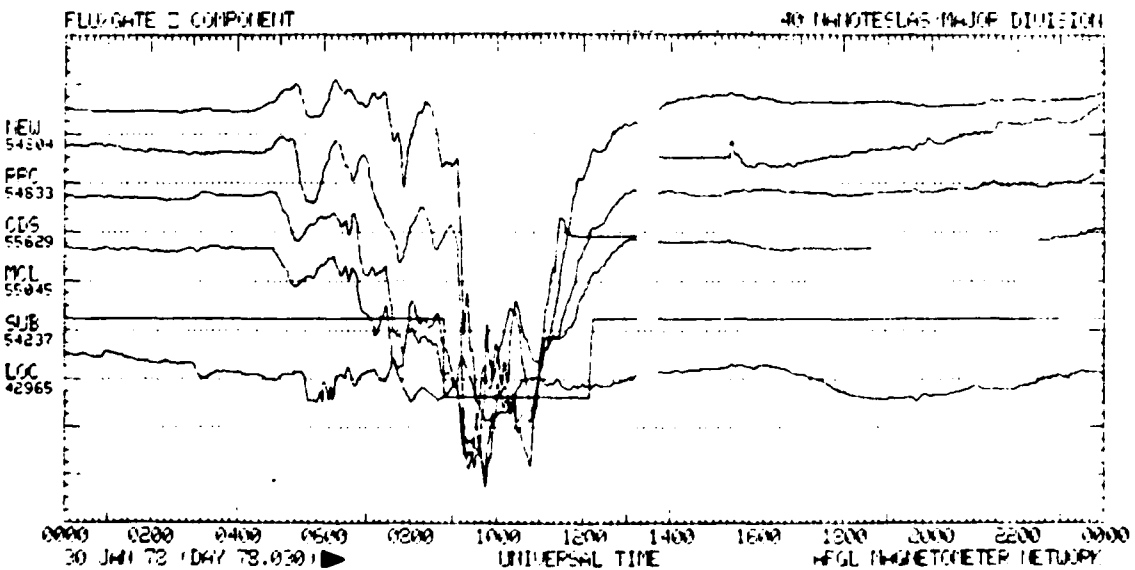
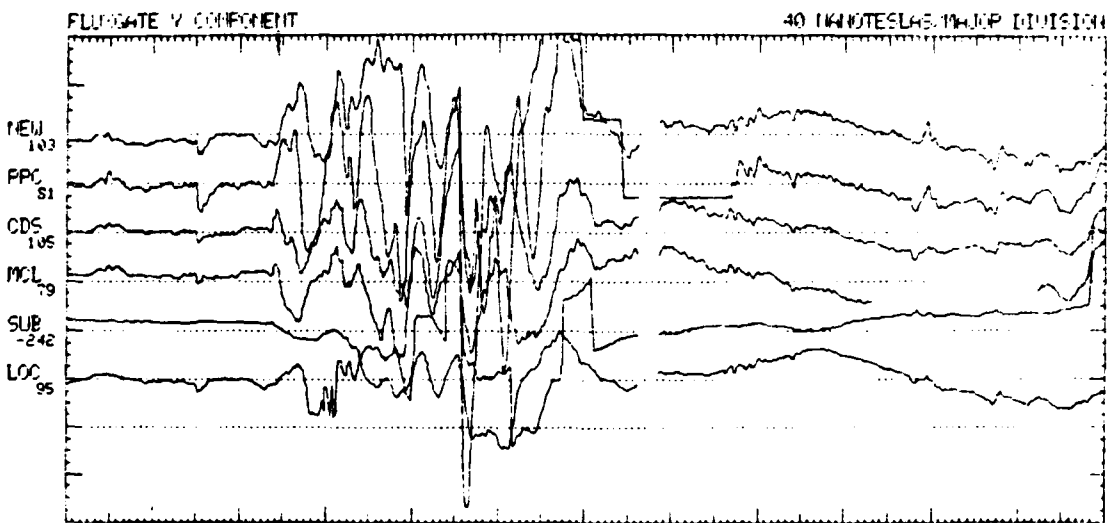
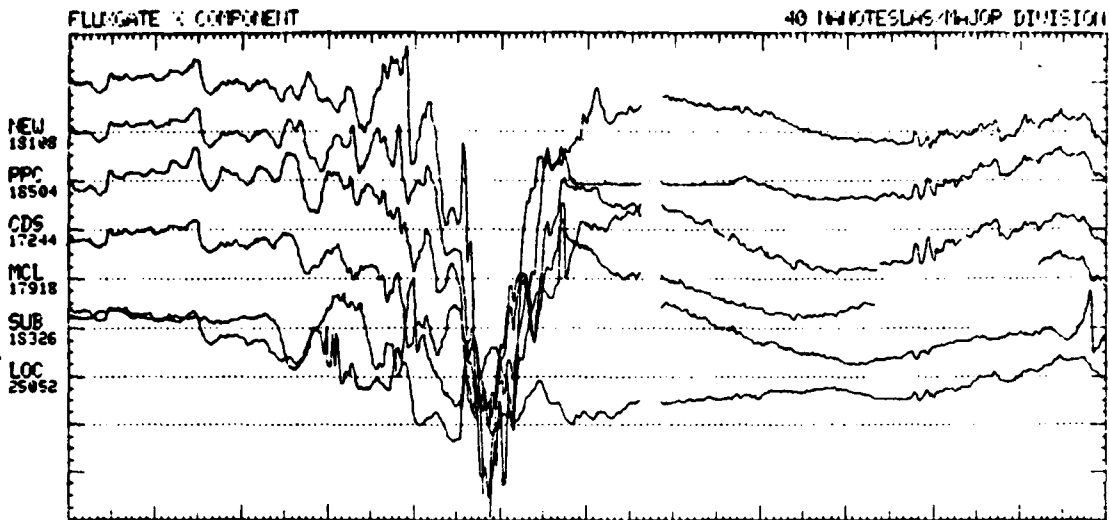
FLU-GATE Z COMPONENT

40 INCHES LAS-PAWOP DIVISION

NEU
54301
RPC
54854
CDS
55636
MCL
55058
SUB
54247
LOC
42957



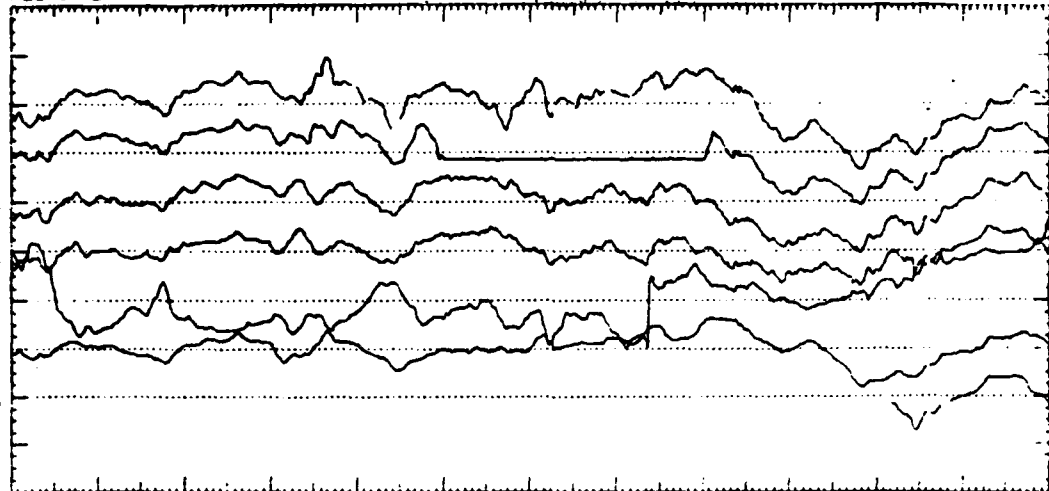
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
29 JUN 73 (147 73.029) ▶ UNIVERSAL TIME HFL MAGNETOMETER NETWORK



FLIGHT 1 COMPONENT

40 NANOTESLA/TWOP DIVISION

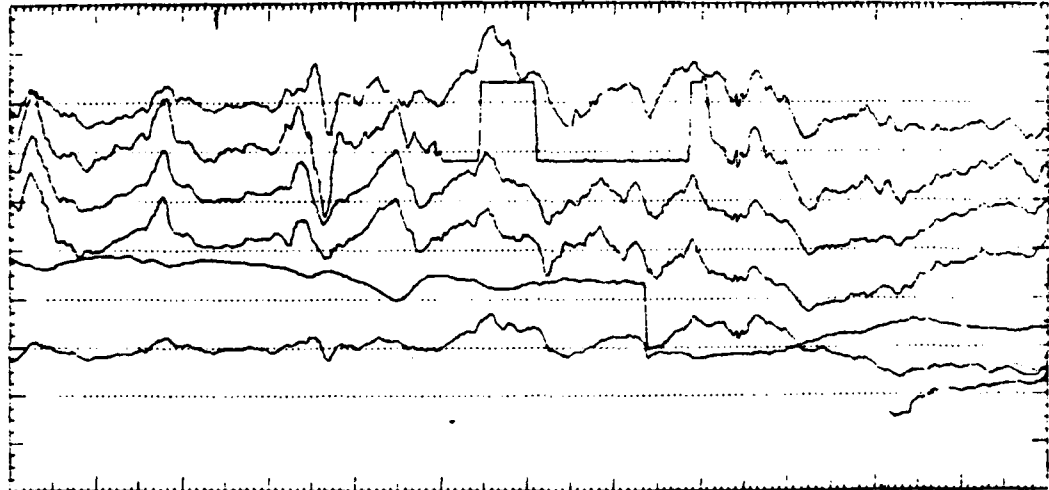
NEU
15112
PPC
15507
CDS
17243
MCL
17925
SUB
15284
LOC
25953
TPA
25132



FLIGHT 1 COMPONENT

40 NANOTESLA/TWOP DIVISION

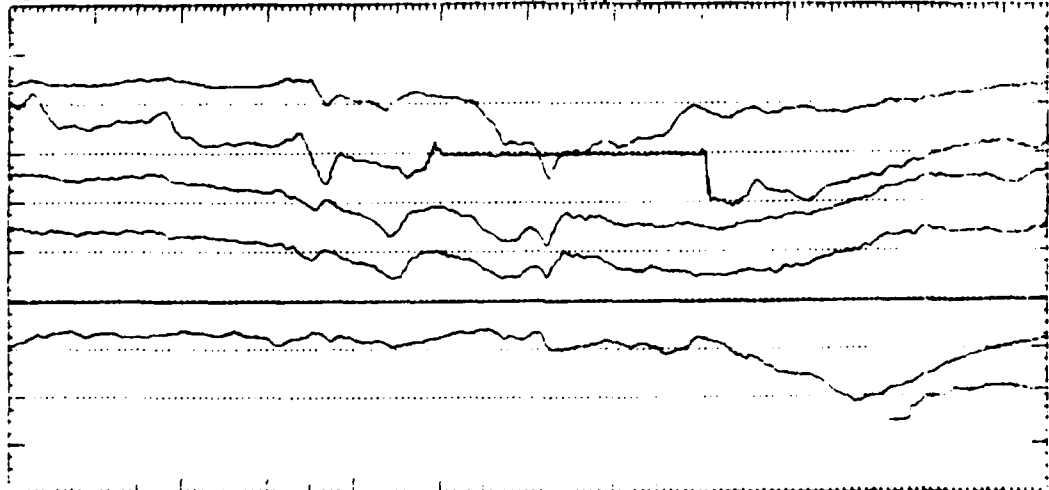
NEU
100
PPC
77
CDS
102
MCL
8
SUB
-196
LOC
93
TPA
39



FLIGHT 2 COMPONENT

40 NANOTESLA/TWOP DIVISION

NEU
54823
PPC
54855
CDS
55658
MCL
55071
SUB
54247
LOC
42968
TPA
42673

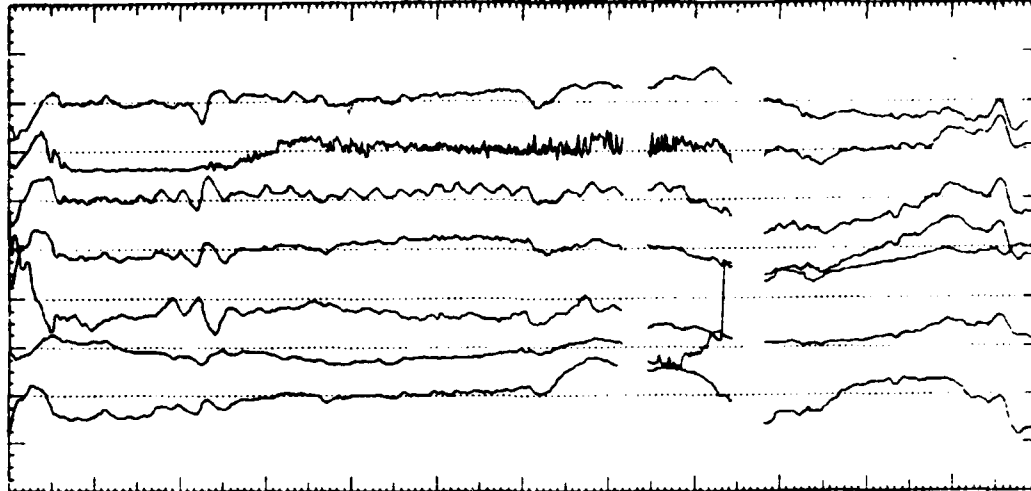


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
31 JUN 78 (DAY 72.031) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLURGATE 1 COMPONENT

40 NANOTESLA/MAJOR DIVISION

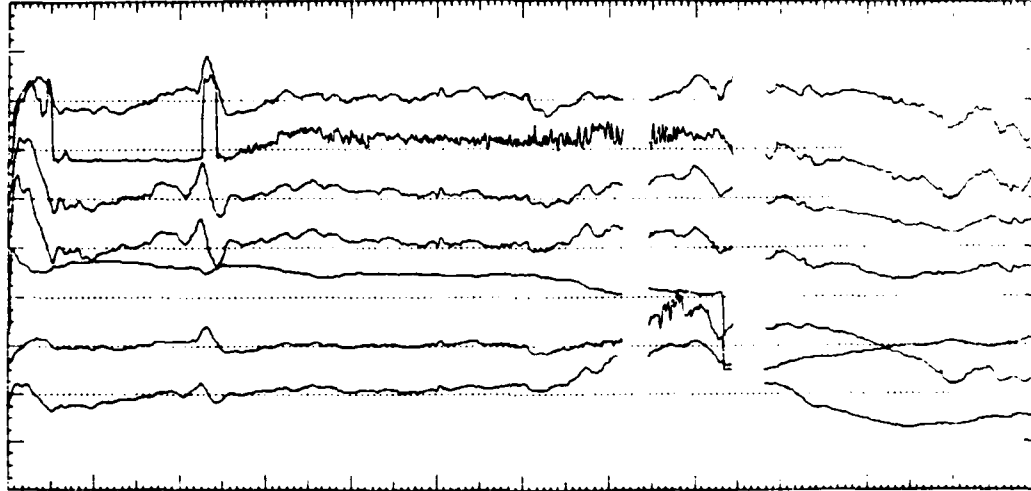
NEW
13126
RPC
18516
CDS
17255
MCL
1793
SUB
18284
LOC
25056
TPA
25151



FLURGATE 1 COMPONENT

40 NANOTESLA/MAJOR DIVISION

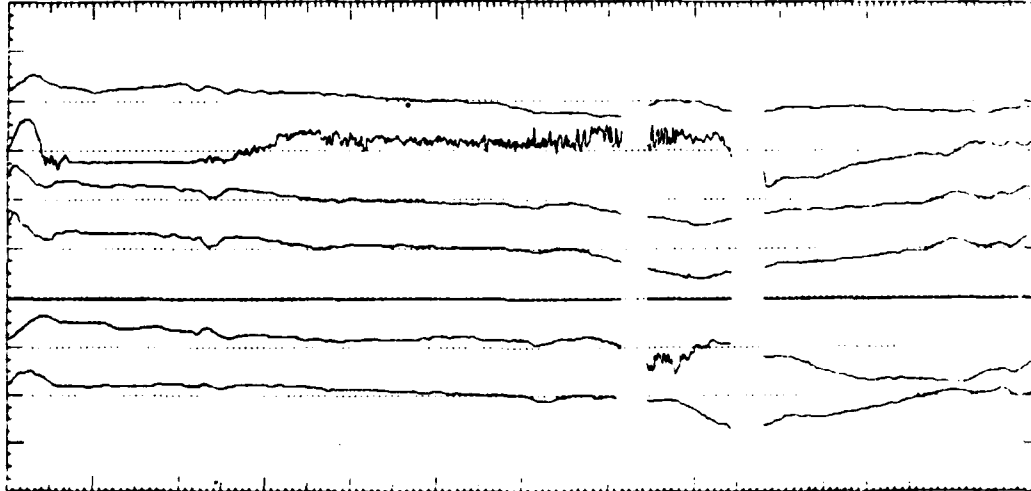
NEW
95
RPC
73
CDS
109
MCL
88
SUB
192
LOC
90
TPA
66



FLURGATE 2 COMPONENT

40 NANOTESLA/MAJOR DIVISION

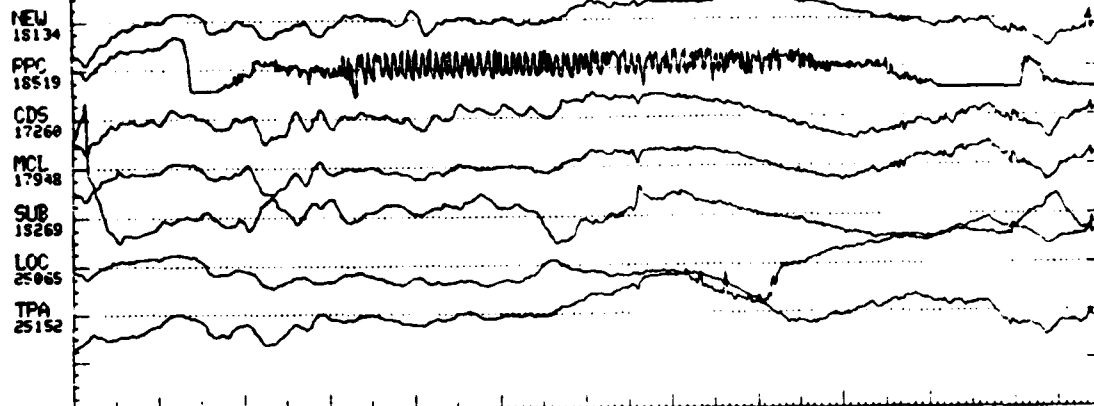
NEW
54331
RPC
54863
CDS
55667
MCL
55071
SUB
54247
LOC
42967
TPA
42669



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
01 FEB 72 (DAY 72.032) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

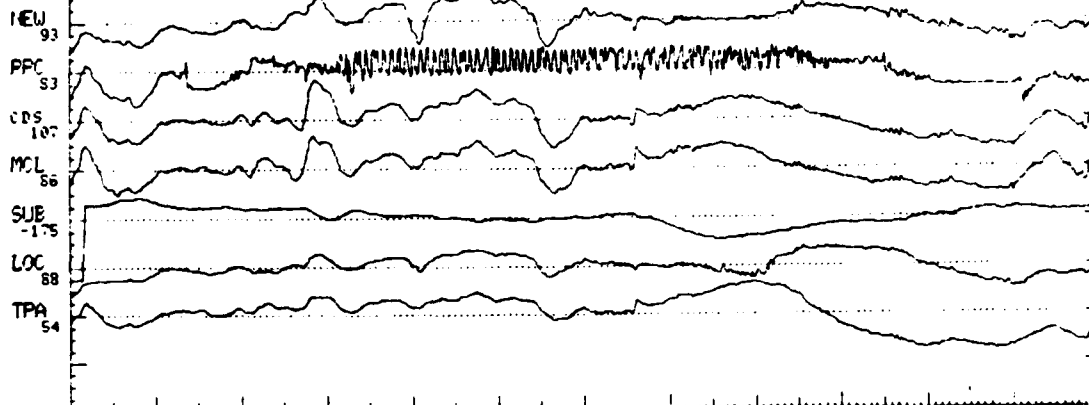
FLIGHT X COMPONENT

40 NANOTESLAS-MAJOR DIVISION



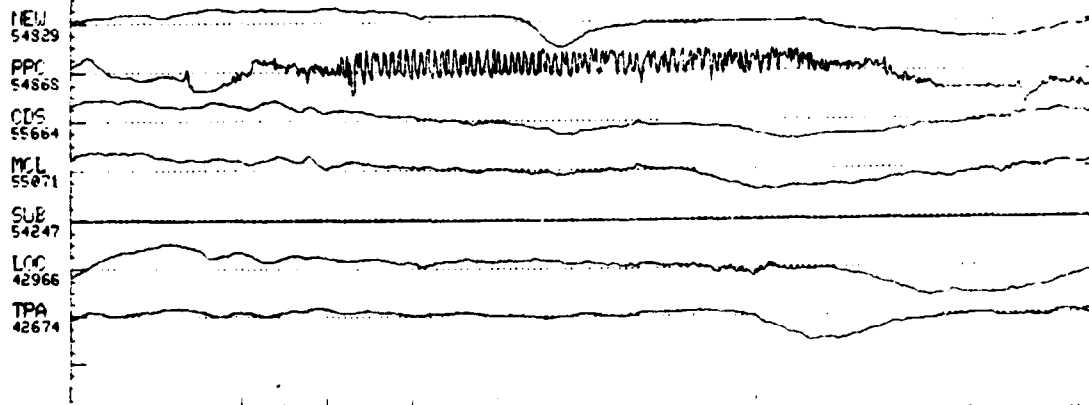
FLIGHT Y COMPONENT

40 NANOTESLAS-MAJOR DIVISION



FLIGHT Z COMPONENT

40 NANOTESLAS-MAJOR DIVISION

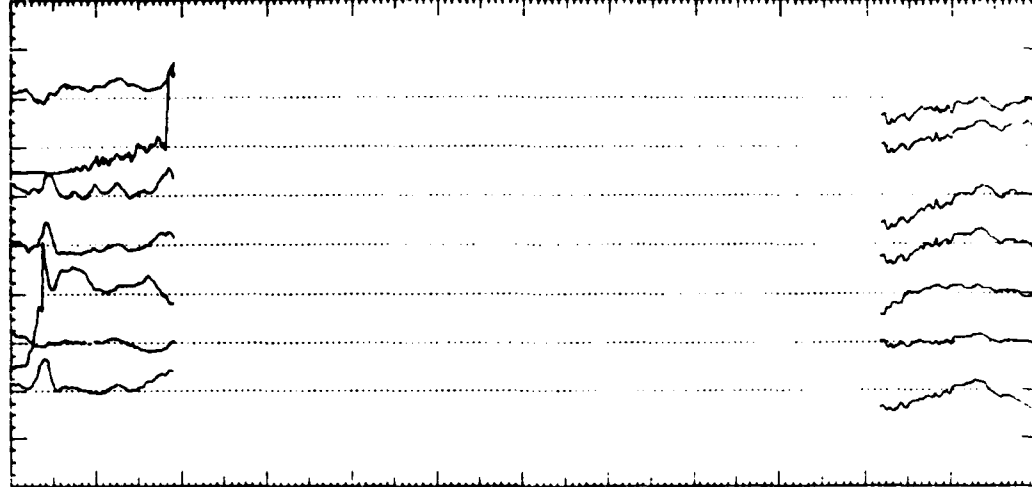


0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 02 FEB 72 (DAY 72.033) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLURGATE X COMPONENT

40 NANOTESLAS MAJOR DIVISION

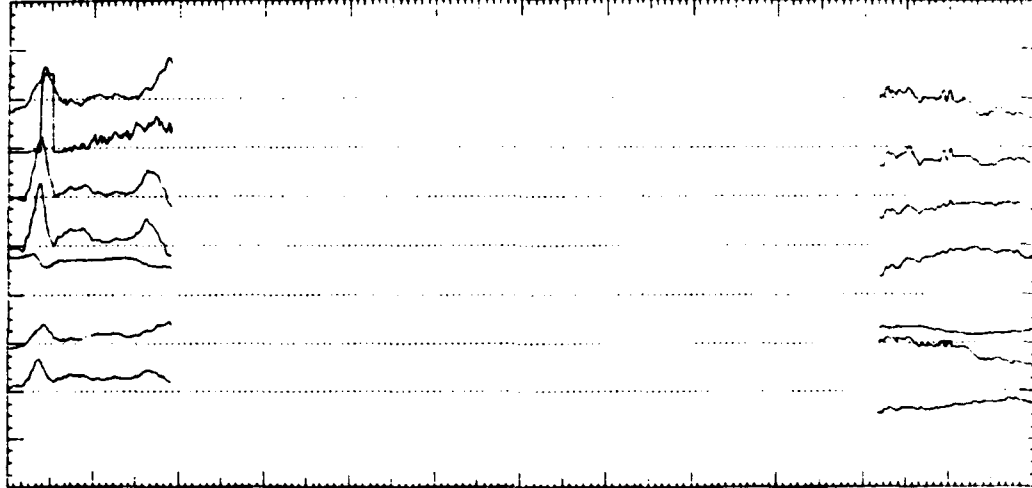
NEW
18127
RPC
18522
CDS
17259
MCL
17953
SUB
18320
LOC
25082
TPA
25138



FLURGATE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

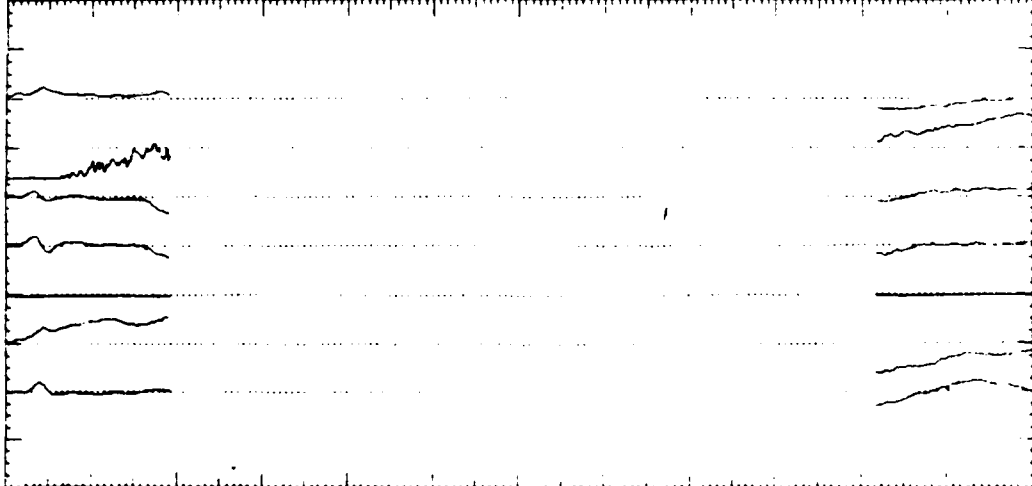
NEW
91
RPC
72
CDS
99
MCL
80
SUB
-200
LOC
31
TPA
28



FLURGATE Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

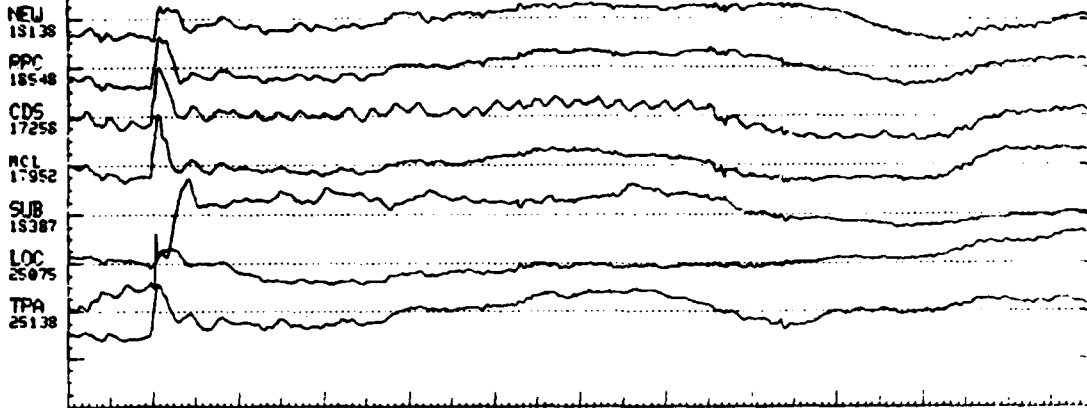
NEW
54329
RPC
54378
CDS
55671
MCL
55074
SUB
54247
LOC
42962
TPA
42677



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
03 FEB 72 (DAY 78.034) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

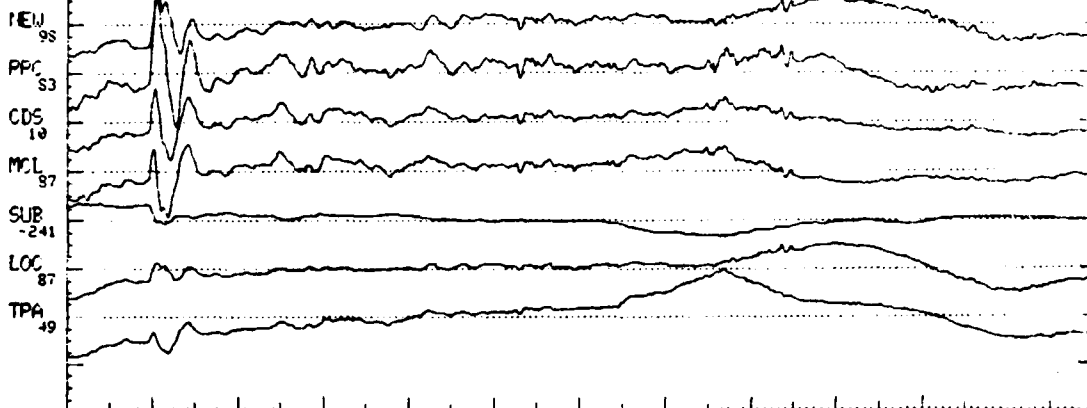
FLUXGATE X COMPONENT

40 GAUSS/CM MAJOR DIVISION



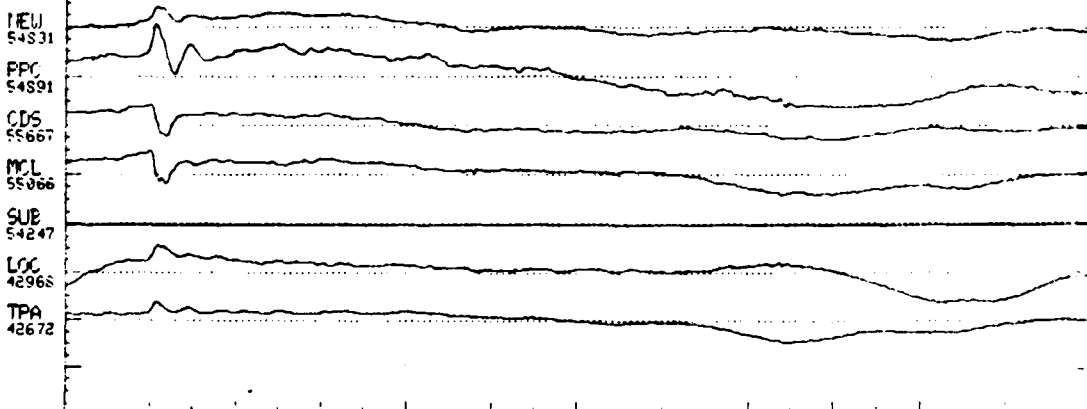
FLUXGATE Y COMPONENT

40 GAUSS/CM MAJOR DIVISION



FLUXGATE Z COMPONENT

40 GAUSS/CM MAJOR DIVISION

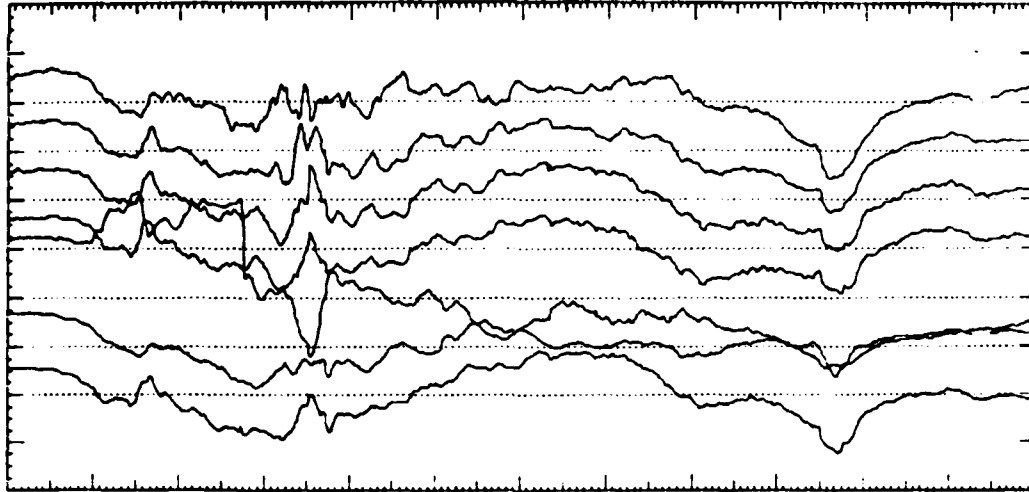


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 04 FEB 72 (DAY 72.035) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

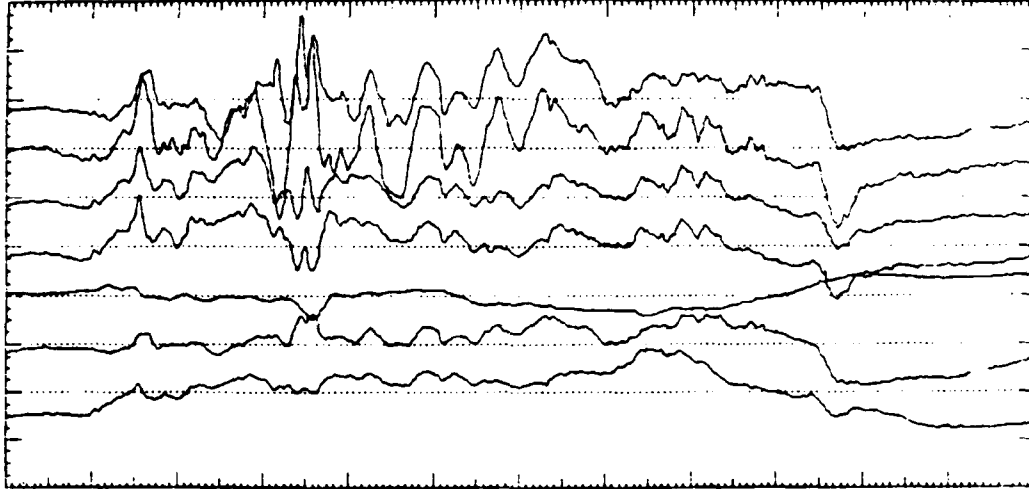
NEU
18123
PPC
18535
CDS
17241
MCL
17940
SUB
18341
LOC
25075
TPA
25124



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

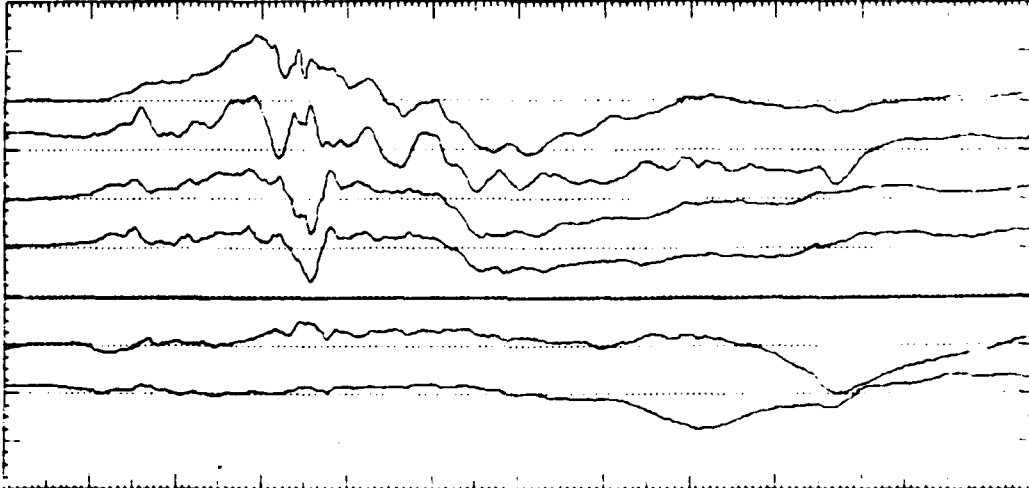
NEU
94
PPC
73
CDS
104
MCL
92
SUB
-243
LOC
84
TPA
56



FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

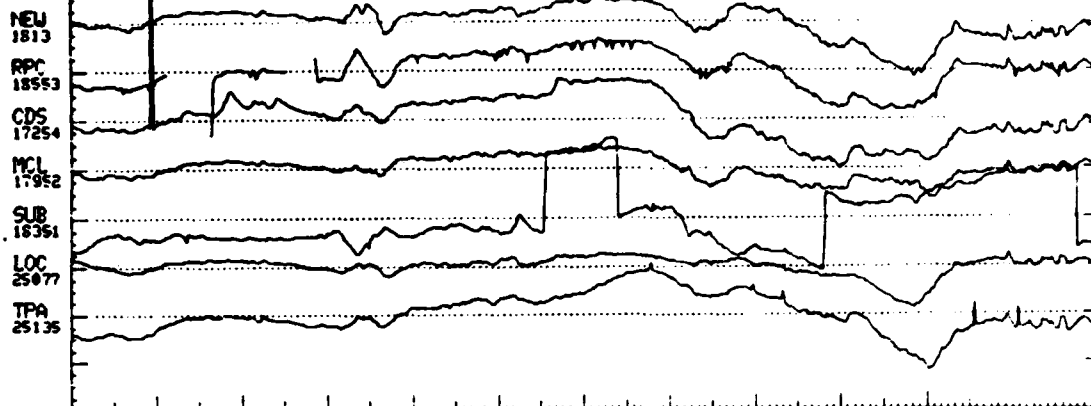
NEU
54829
PPC
54863
CDS
55667
MCL
55066
SUB
54247
LOC
42970
TPA
42666



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
05 FEB 78 (DAY 78.036) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

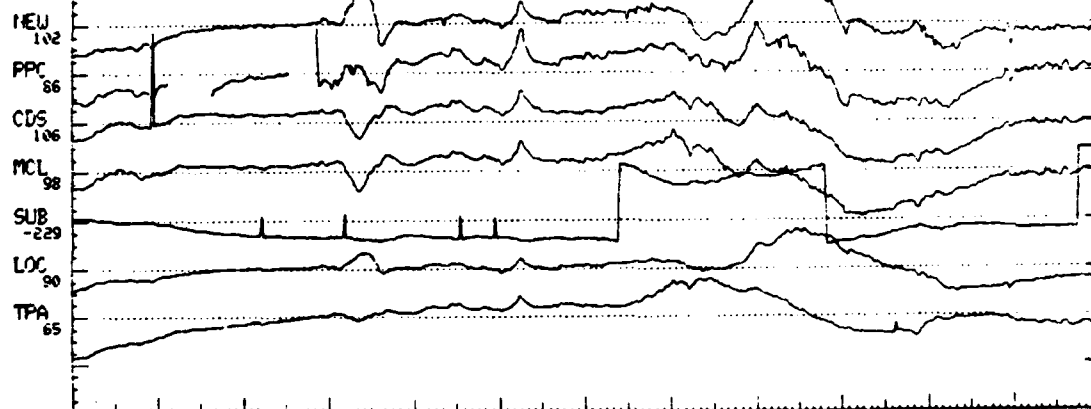
FLLGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



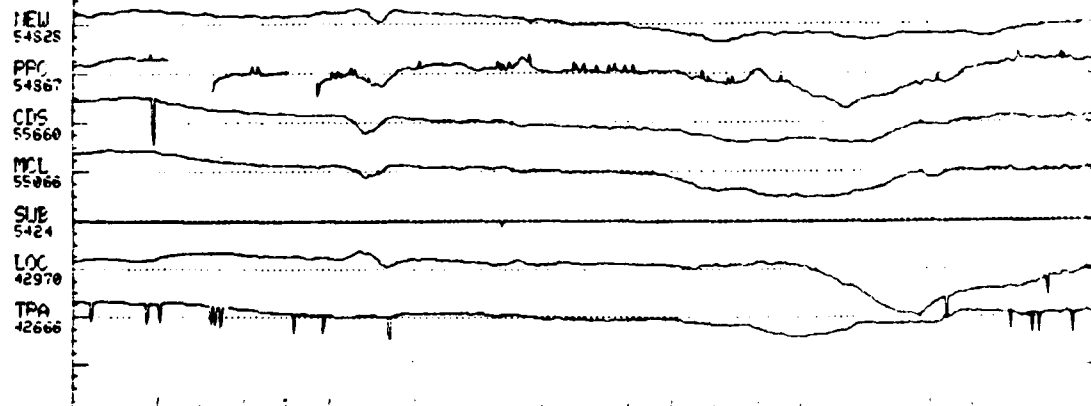
FLLGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION



FLLGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
06 FEB 73 (DAY 72.037) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLUGATE X COMPONENT

40 GAUSSES/MAJOR DIVISION

NEU
13135
PPC
13561
CDS
17253
MCL
17957
SUB
18329
LOC
25079
TPA
25128

FLUGATE Y COMPONENT

40 GAUSSES/MAJOR DIVISION

NEU
97
PPC
90
CDS
106
MCL
98
SUB
-173
LOC
85
TPA
62

FLUGATE Z COMPONENT

40 GAUSSES/MAJOR DIVISION

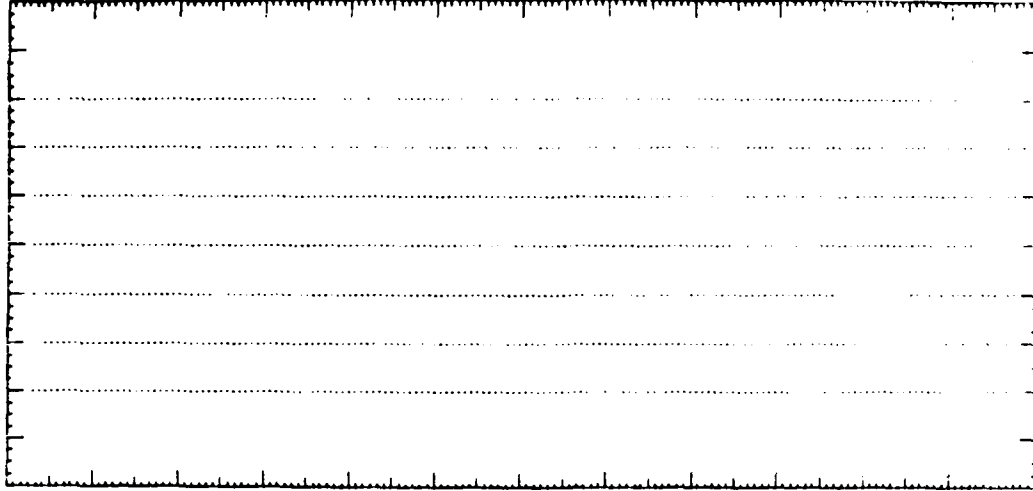
NEU
5483
PPC
54878
CDS
55665
MCL
55666
SUB
54247
LOC
42972
TPA
42669

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
07 FEB 73 (DAY 73.038) UNIVERSAL TIME HFGL MAGNETOMETER NET JURY

FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

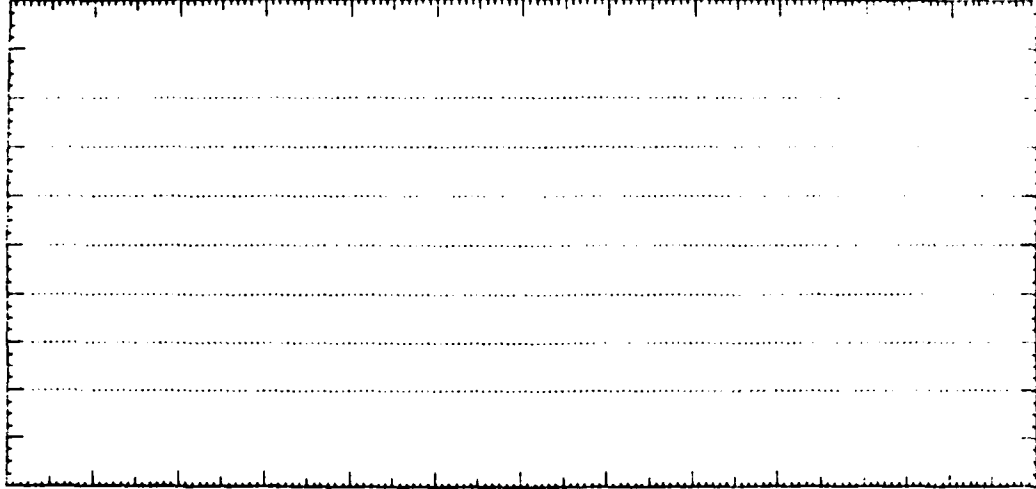
NEU
15135
PPC
18561
CDS
17253
MCL
17957
SUB
18329
LOC
25079
TPA
25128



FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

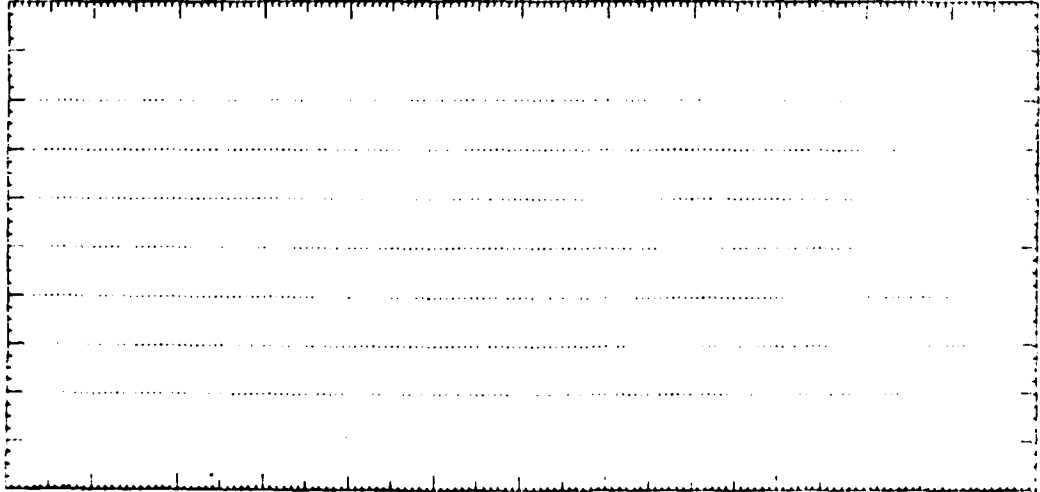
NEU
97
PPC
90
CDS
106
MCL
98
SUB
-173
LOC
85
TPA
62



FLIGHT Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54831
PPC
54878
CDS
55665
MCL
55068
SUB
54247
LOC
42972
TPA
42669

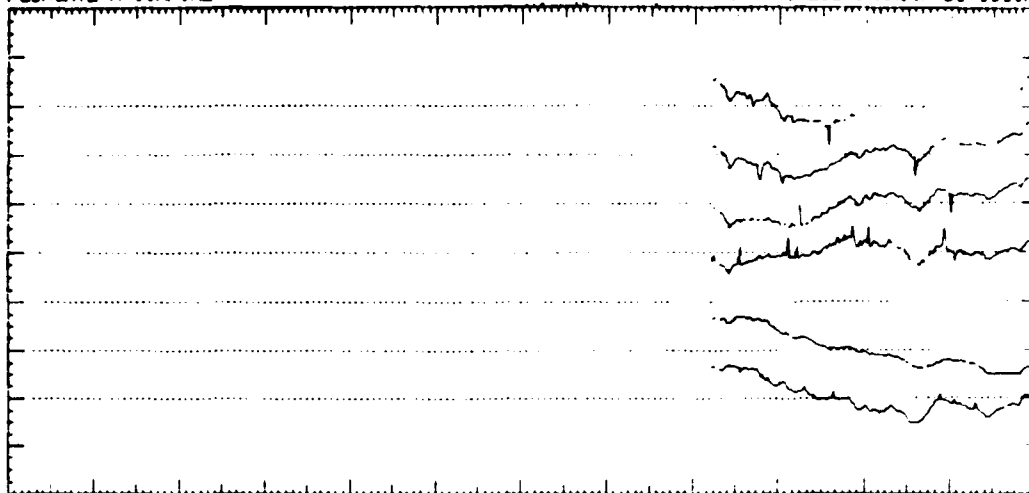


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
08 FEB 72 (DAY 72.039) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLIGHTLINE Y COMPONENT

40 INCHES/TESLA MAJOR DIVISION

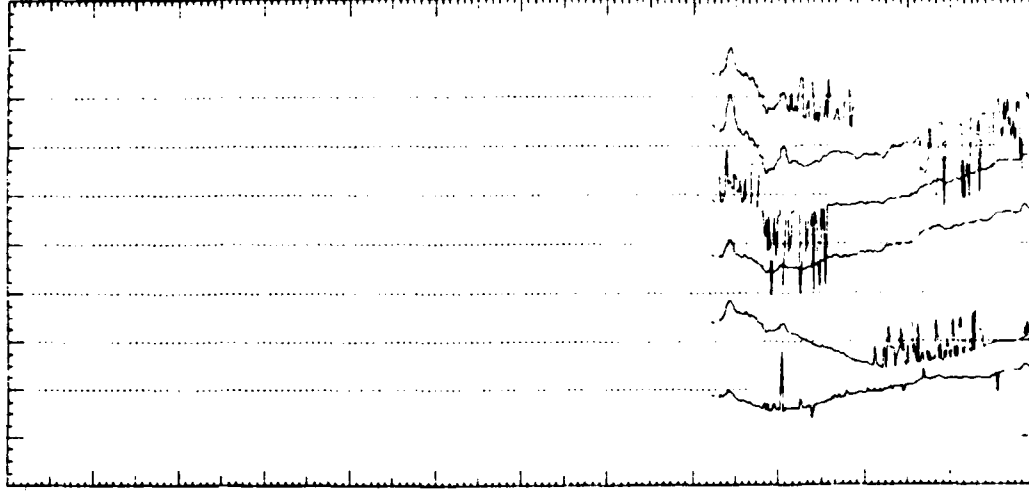
NEW 15117
PPC 18537
CDS 17223
MCL 17936
SUB 15350
LOC 25072
TPA 25113



FLIGHTLINE Y COMPONENT

40 INCHES/TESLA MAJOR DIVISION

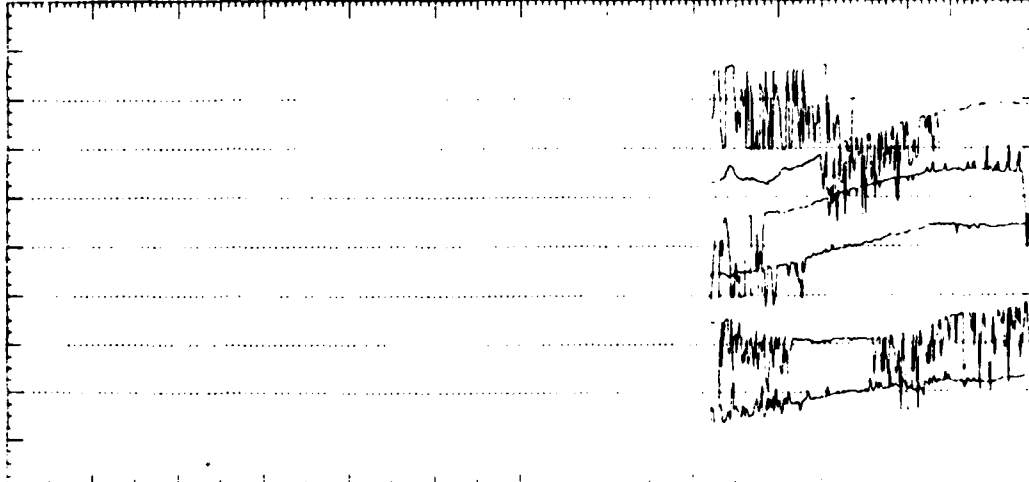
NEW 99
PPC 57
CDS 57
MCL 83
SUB 266
LOC 3
TPA 50



FLIGHTLINE Z COMPONENT

40 INCHES/TESLA MAJOR DIVISION

NEW 54782
PPC 54854
CDS 55661
MCL 55061
SUB 54247
LOC 42939
TPA 42597

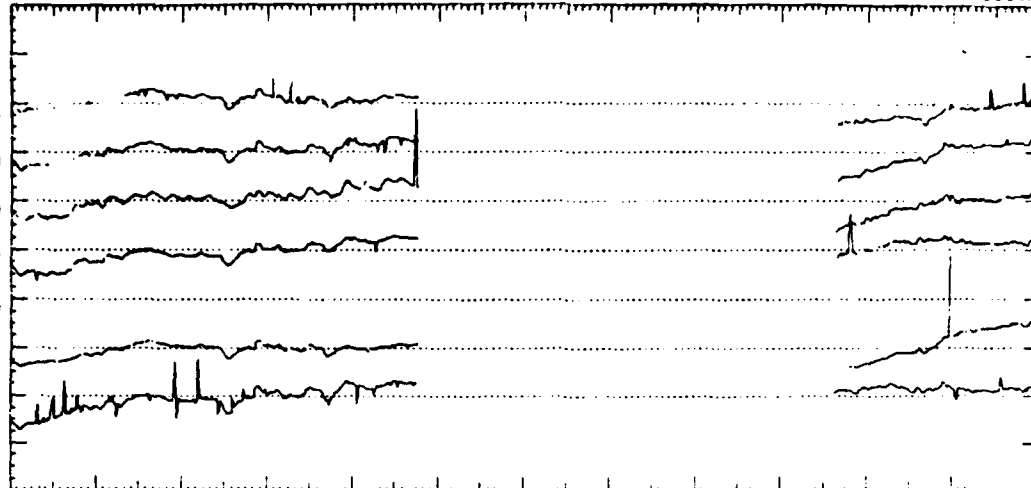


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
09 FEB 72 (DAY 72.040) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

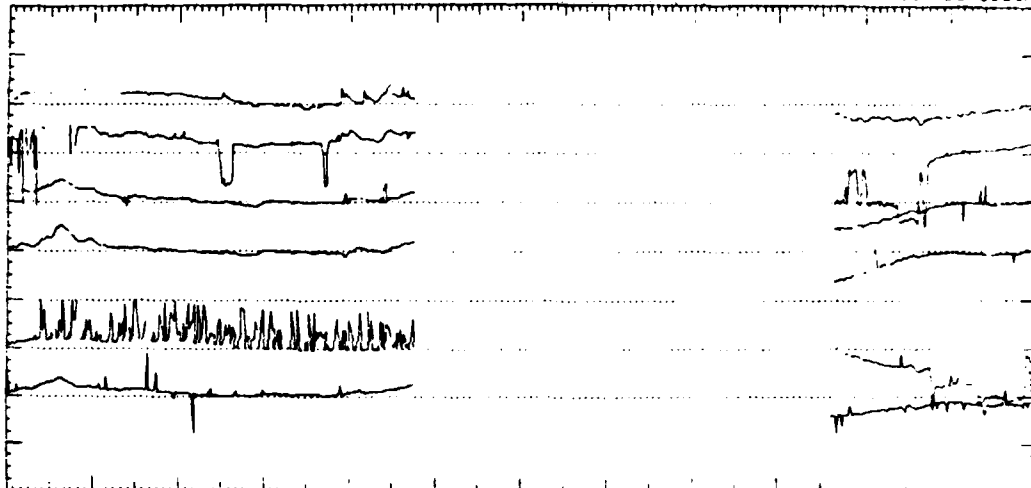
NEW
18138
RPC
18583
CDS
17249
MCL
17953
SUB
18350
LOC
25068
TPA
25132



FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

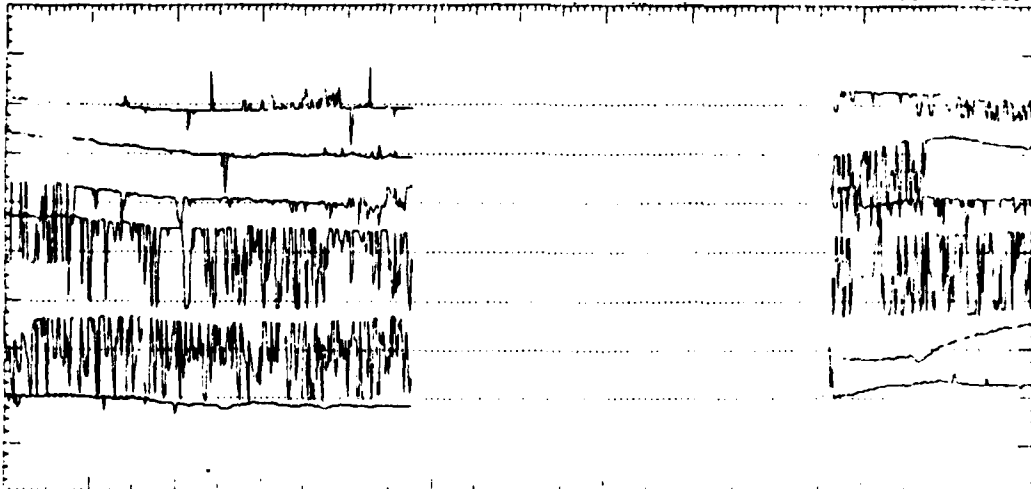
NEW
95
RPC
77
CDS
110
MCL
109
SUB
-266
LOC
85
TPA
66



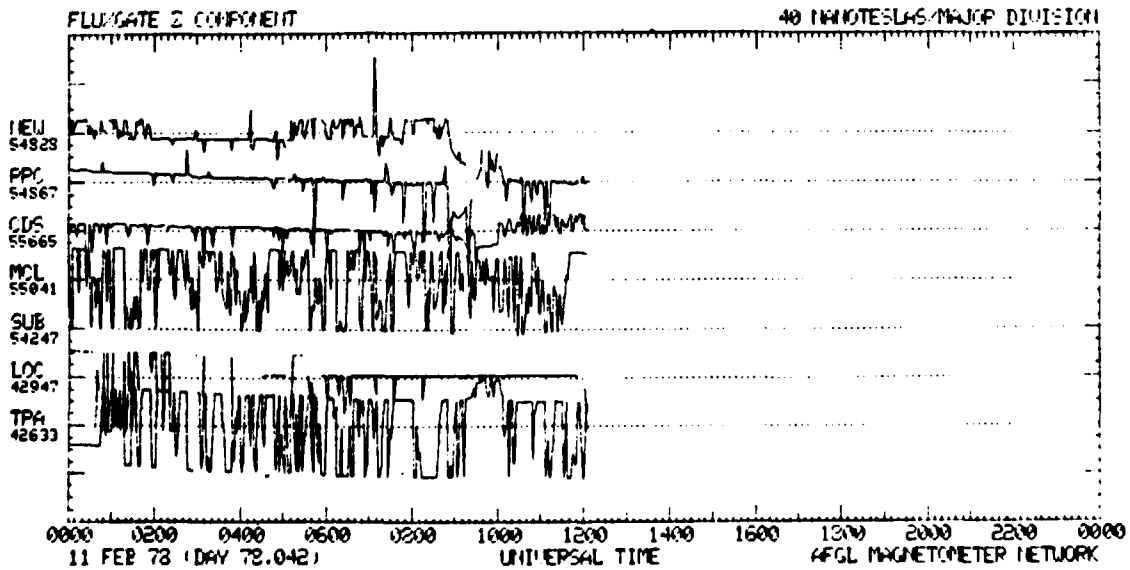
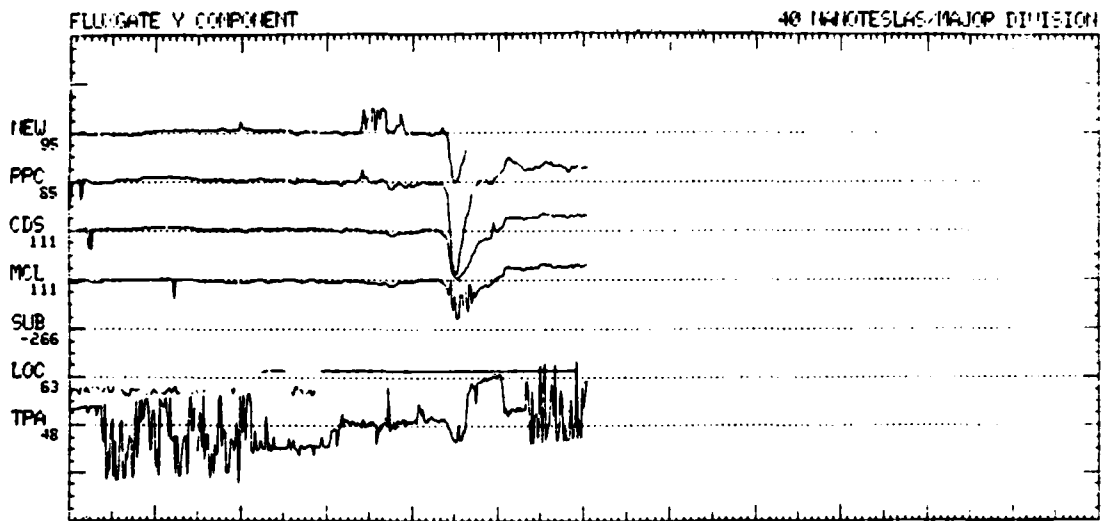
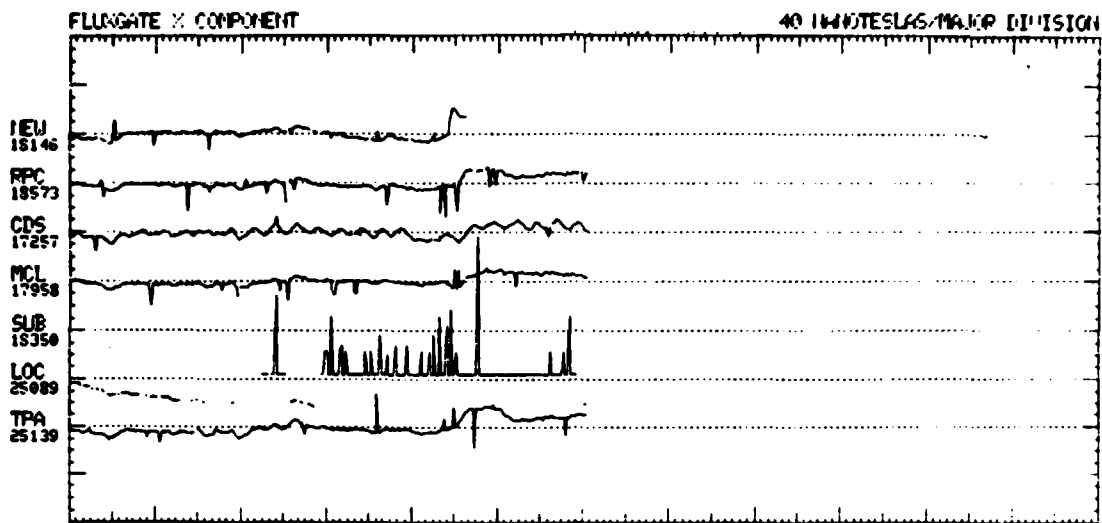
FLIGHT Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54832
RPC
54871
CDS
55666
MCL
55949
SUB
54247
LOC
42948
TPA
42608



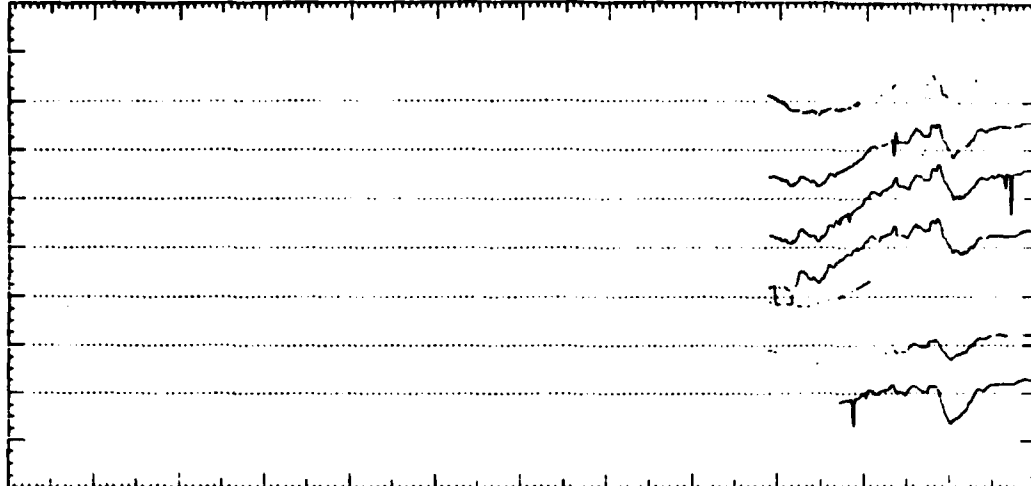
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
10 FEB 72 (DAY 72.041) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK



FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

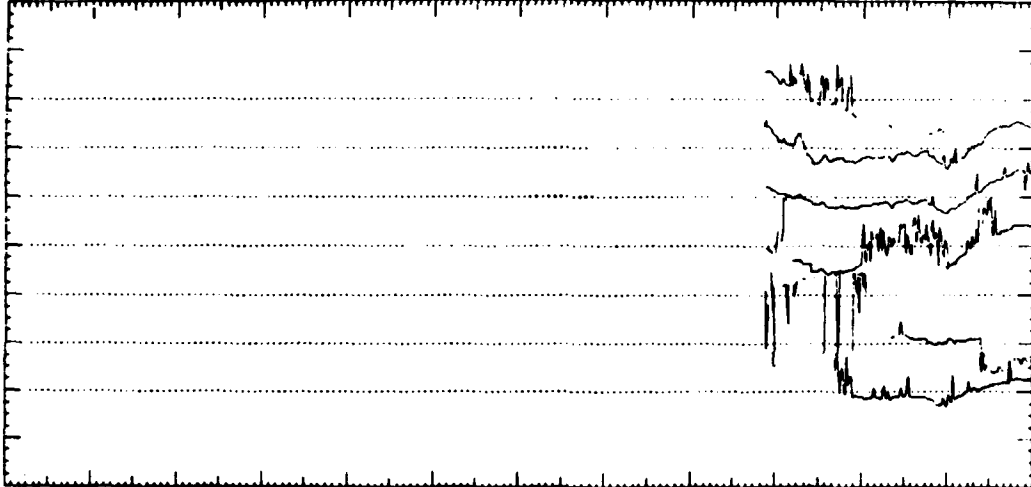
NEW
15114
PPC
18549
CDS
17227
MCL
17952
SUB
18287
LOC
25065
TPA
25131



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

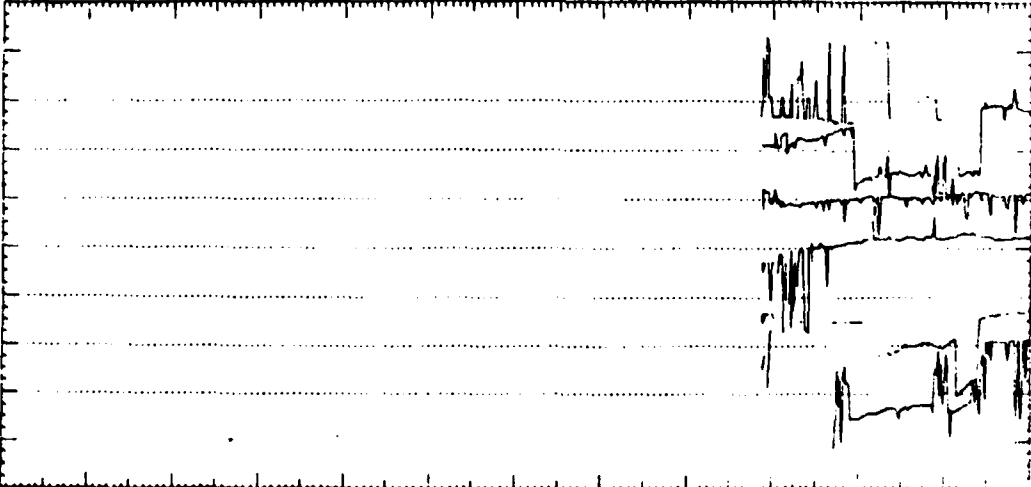
NEW
56
PPC
58
CDS
86
MCL
87
SUB
-251
LOC
58
TPA
26



FLUGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54766
PPC
54523
CDS
55670
MCL
55058
SUB
54218
LOC
42938
TPA
42630

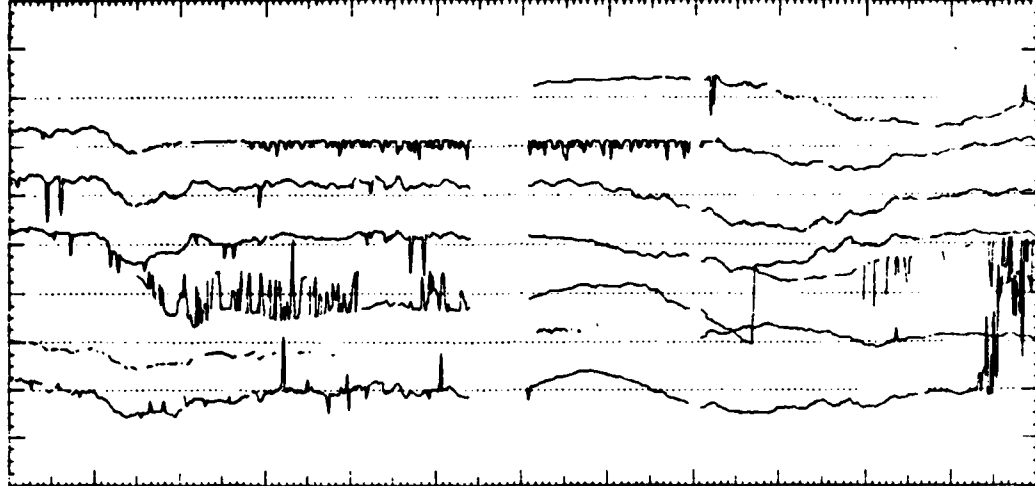


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
12 FEB 78 (DAY 78.043) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 THOMAS LASH MAJOR DIVISION

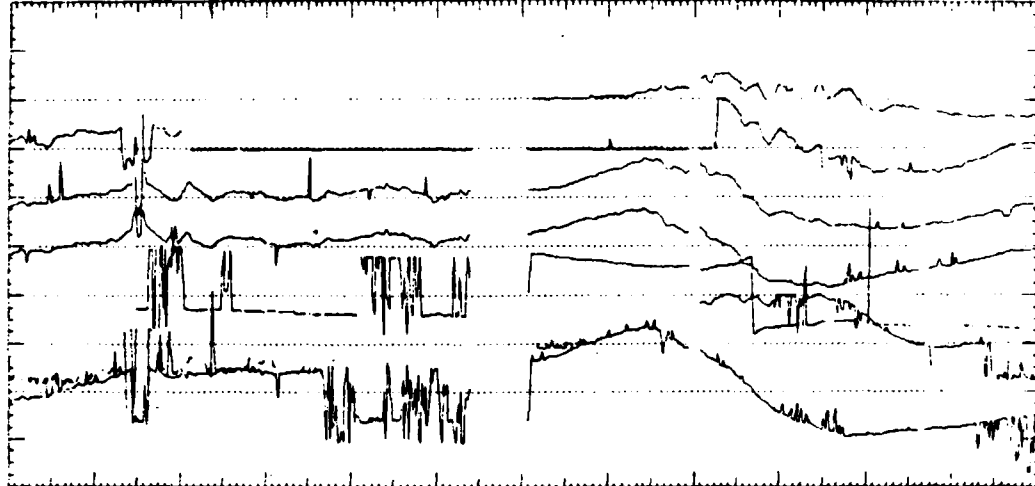
NEU
15140
RPC
18561
CDS
17240
MCL
17956
SUB
18349
LOC
35074
TPA
25136



FLIGHTLINE Y COMPONENT

40 THOMAS LASH MAJOR DIVISION

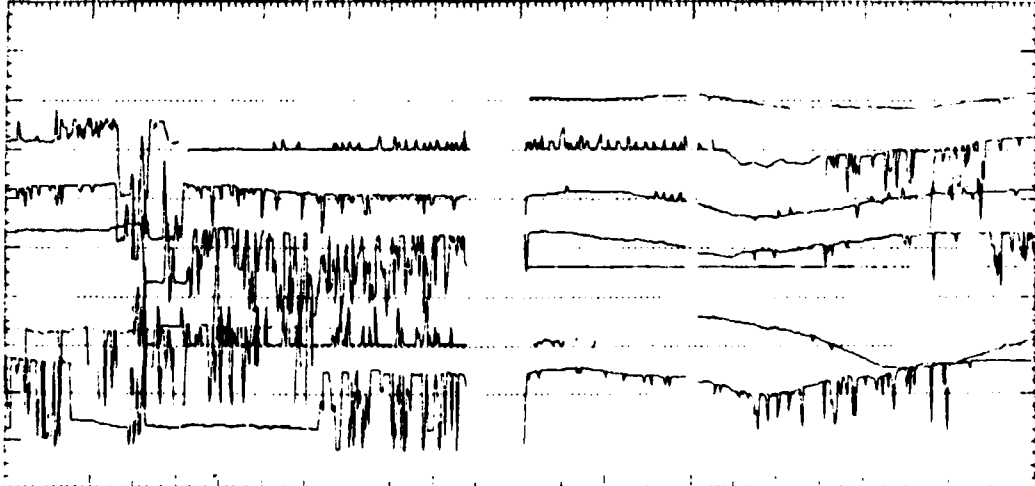
NEU
90
RPC
70
CDS
115
MCL
111
SUB
-214
LOC
74
TPA
44



FLIGHTLINE Z COMPONENT

40 THOMAS LASH MAJOR DIVISION

NEU
54816
RPC
54853
CDS
55667
MCL
55054
SUB
54222
LOC
42352
TPA
42645

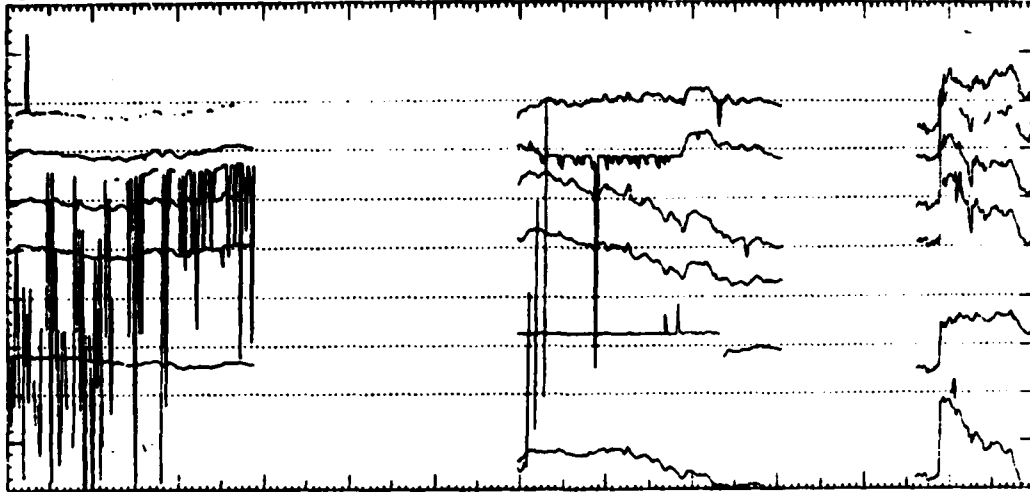


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
13 FEB 72 (DAY 72.044) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

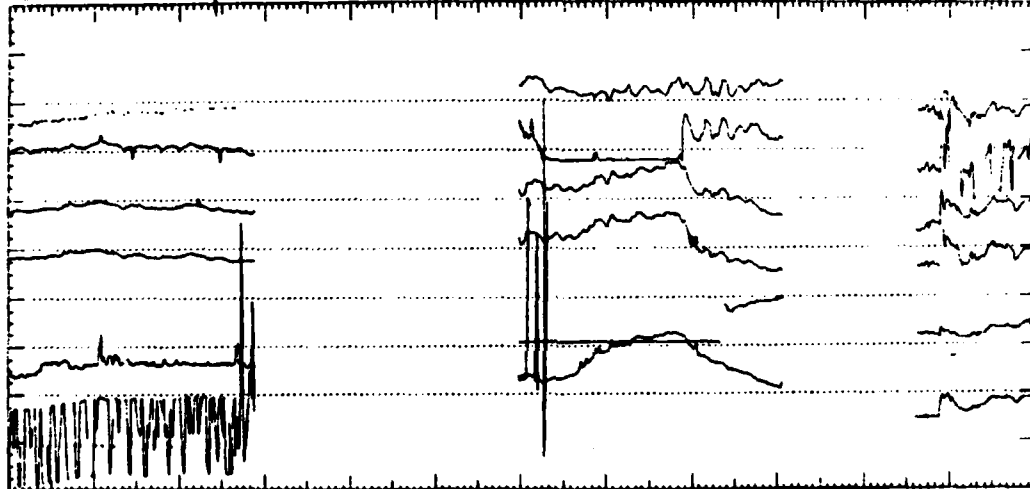
NEU 18152
PPC 18571
CDS 17246
MCL 17963
SUB 18488
LOC 25083
TPA 25202



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

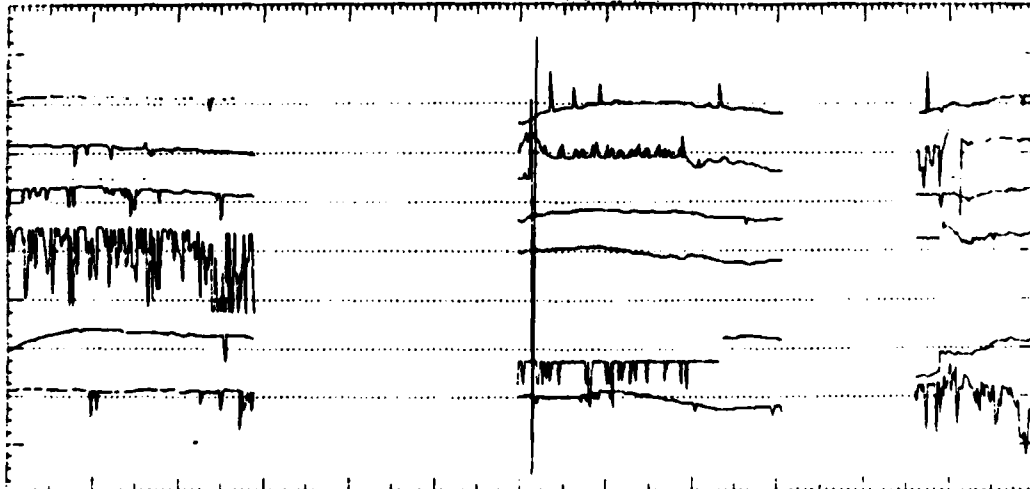
NEU 98
PPC 78
CDS 120
MCL 116
SUB 119
LOC 66
TPA 38



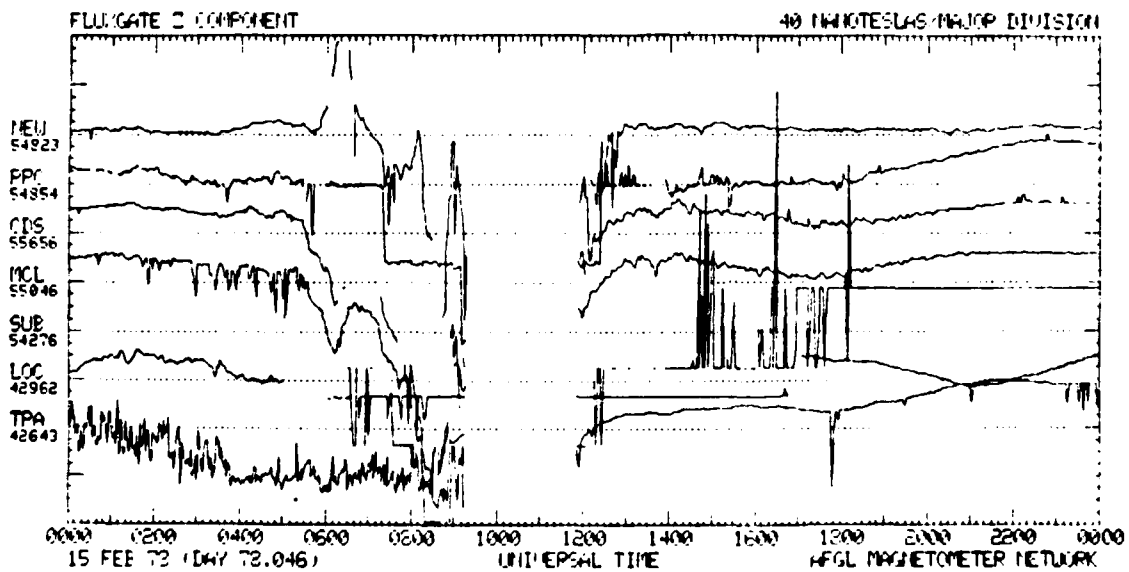
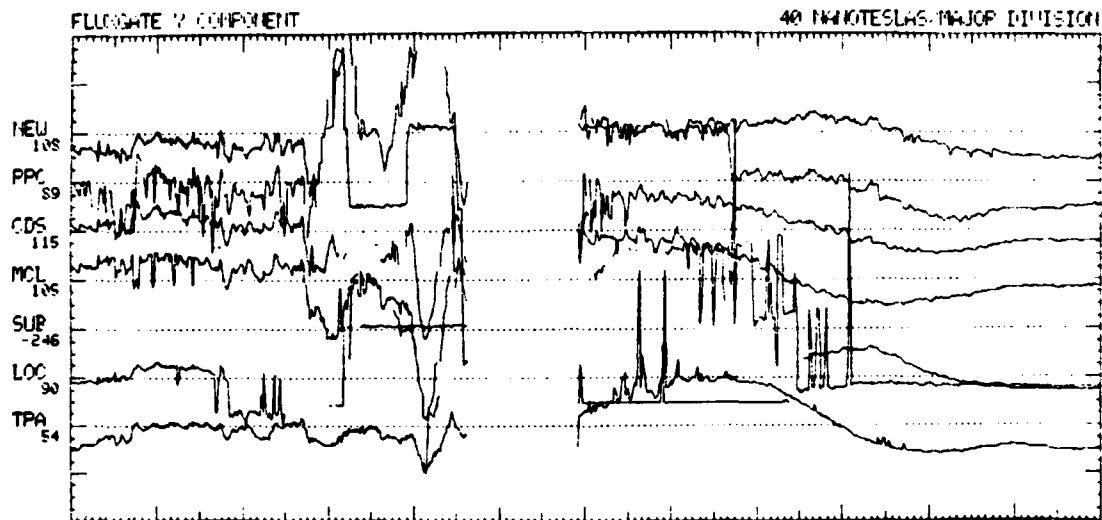
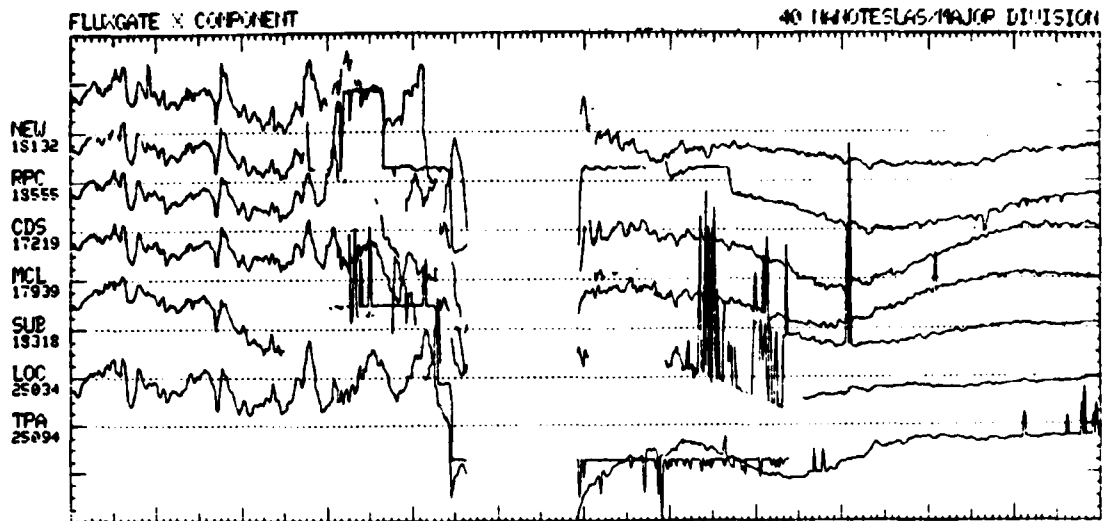
FLUGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU 54819
PPC 54857
CDS 55664
MCL 55049
SUB 54148
LOC 42959
TPA 42666

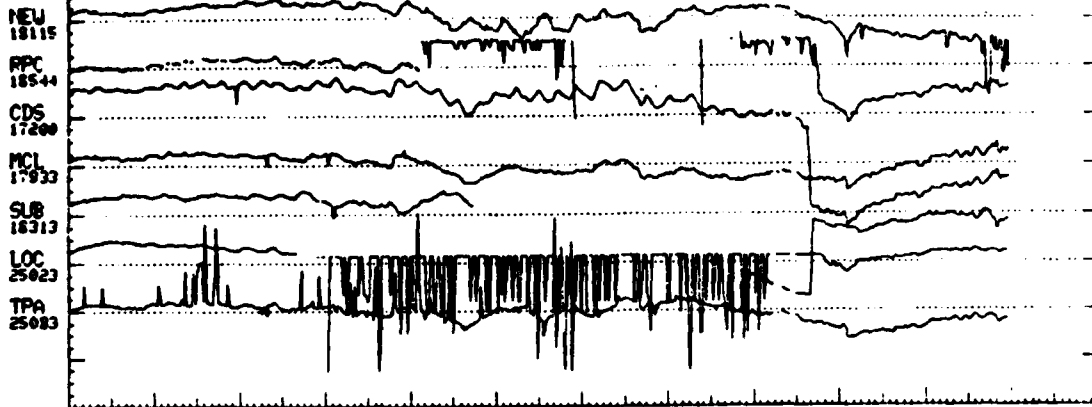


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
14 FEB 72 (147 72.045) UNIVERSAL TIME WGL MAGNETOMETER NETWORK



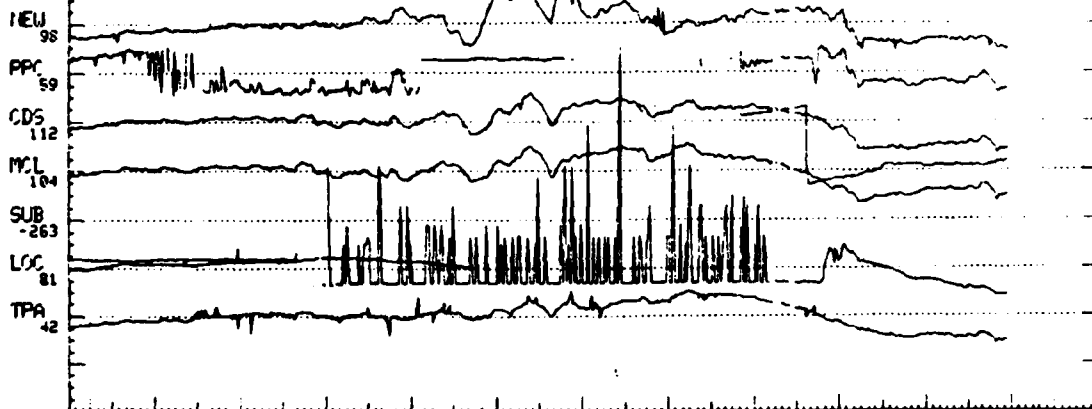
FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



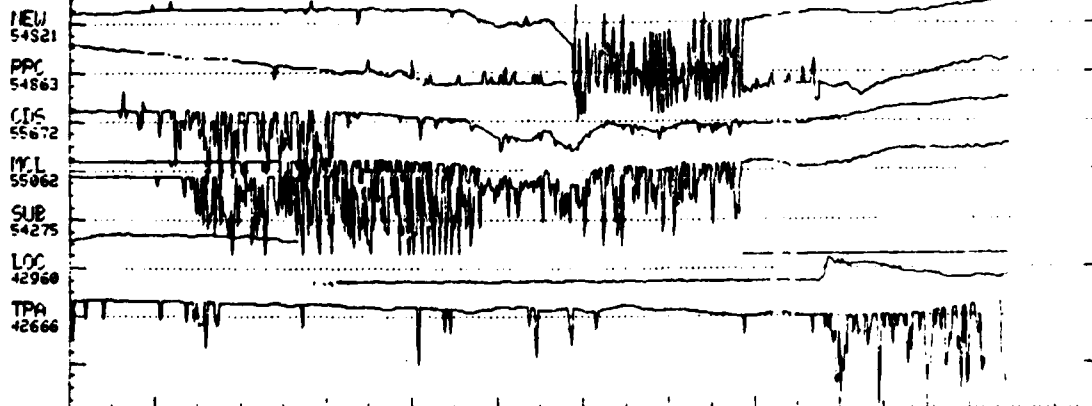
FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION



FLIGHT Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

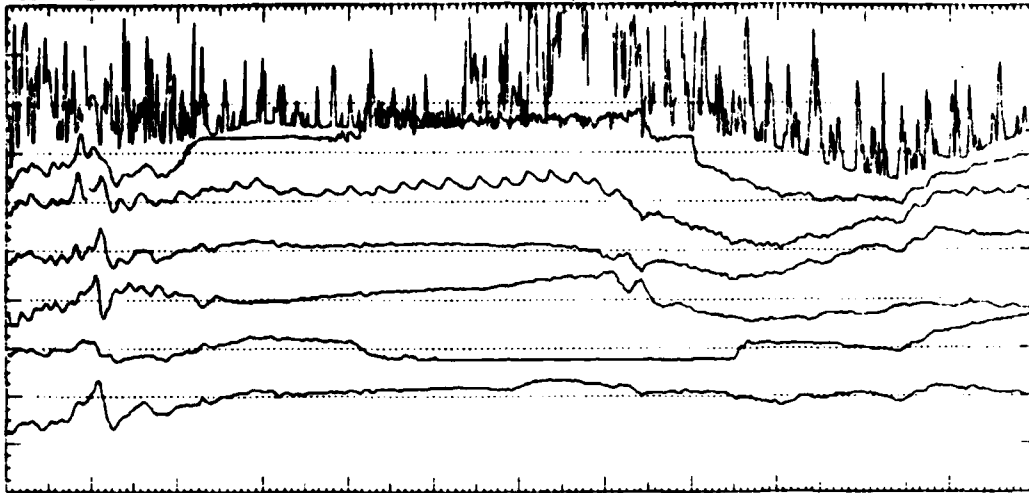


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 16 FEB 72 (DAY 78.047) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHT X COMPONENT

40 GAUSSES MAJOR DIVISION

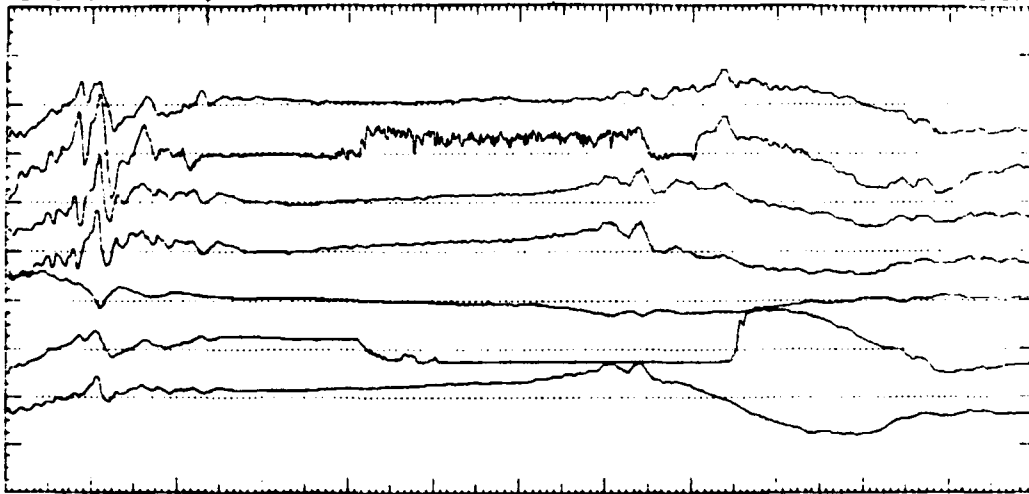
NEU
18023
FPC
18553
CDS
17155
MCL
17944
SUB
18326
LOC
25038
TPA
25094



FLIGHT Y COMPONENT

40 GAUSSES MAJOR DIVISION

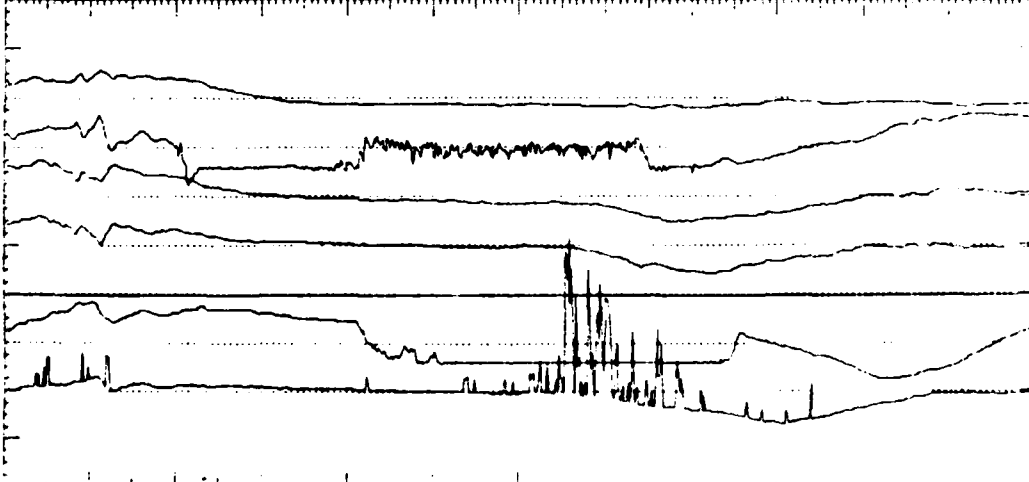
NEU
95
FPC
71
CDS
113
MCL
102
SUB
-231
LOC
79
TPA
31



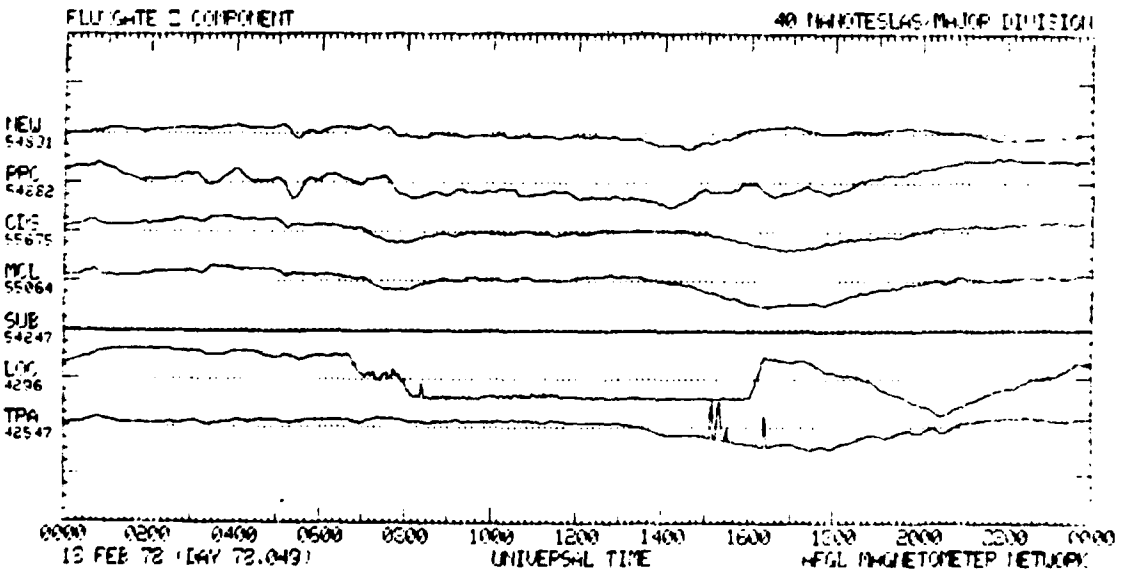
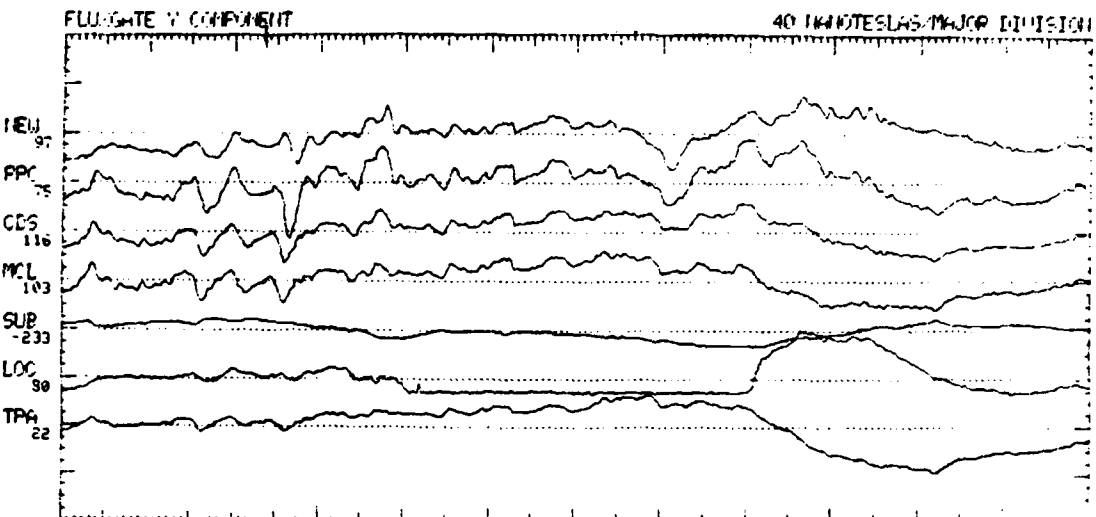
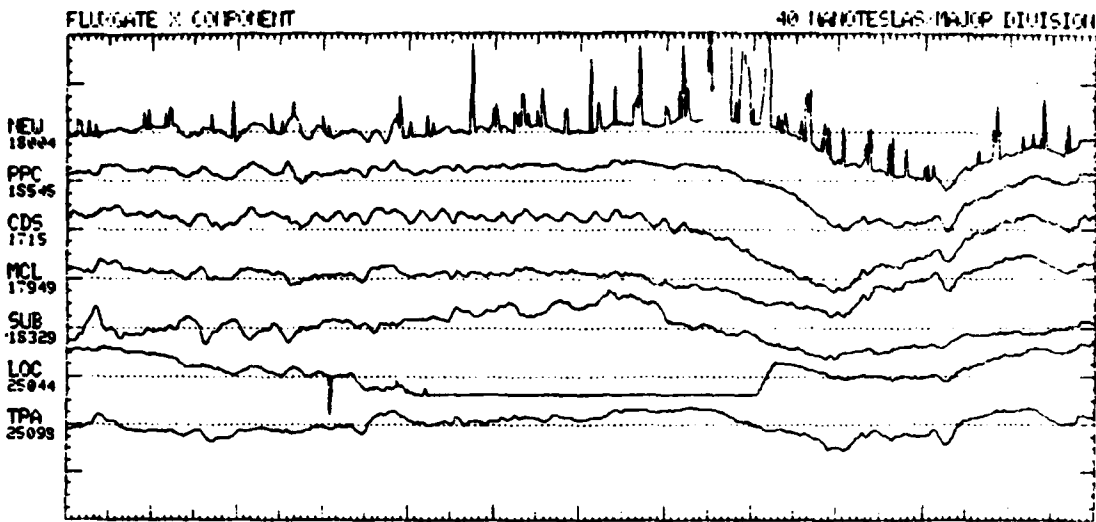
FLIGHT Z COMPONENT

40 GAUSSES MAJOR DIVISION

NEU
54835
FPC
54870
CDS
55677
MCL
55070
SUB
54247
LOC
42965
TPA
42550



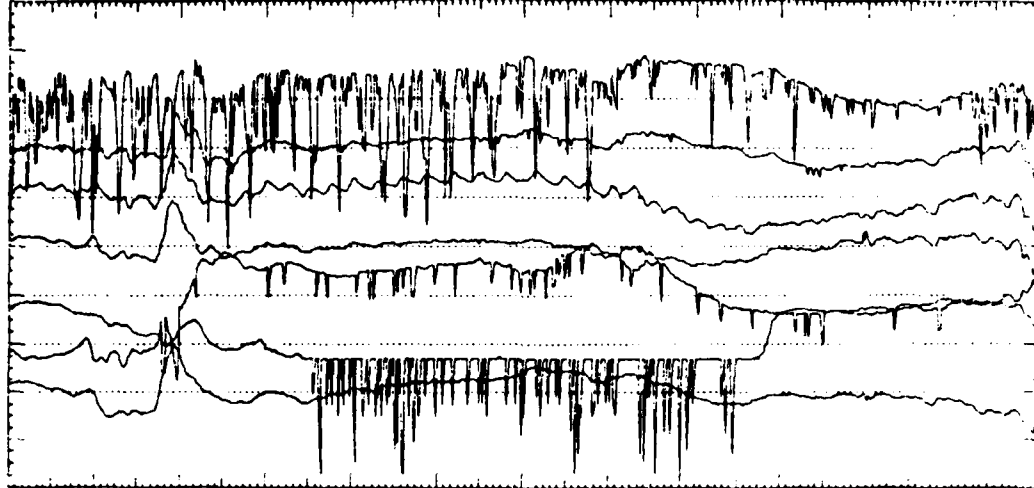
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
17 FEB 73 (DAY 72.042) UNIPOLAR TIME AFGL MAGNETOMETER (ETUOPY)



FLIGHT 13 COMPONENT

40 THROTLES/40 IN/MP DIVISION

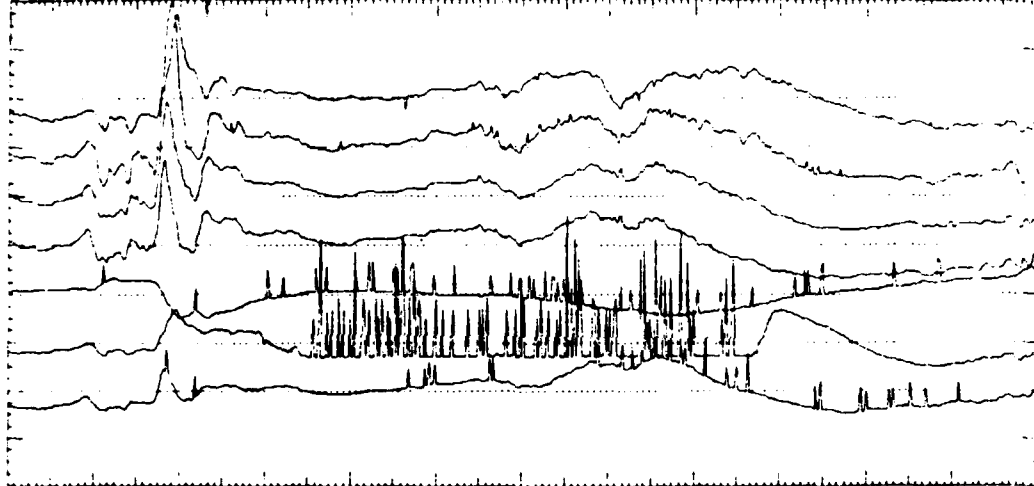
NEU
18113
PPC
18554
CDS
17160
MCL
17958
SUB
18379
LOC
25041
TPA
25097



FLIGHT 17 COMPONENT

40 THROTLES/40 IN/MP DIVISION

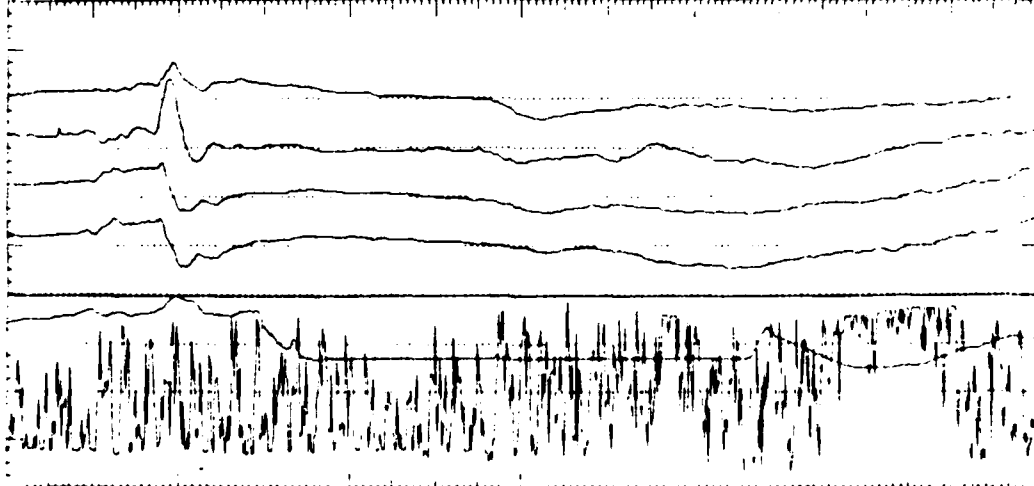
NEU
35
PPC
74
CDS
113
MCL
101
SUB
233
LOC
50
TPA
22



FLIGHT 20 COMPONENT

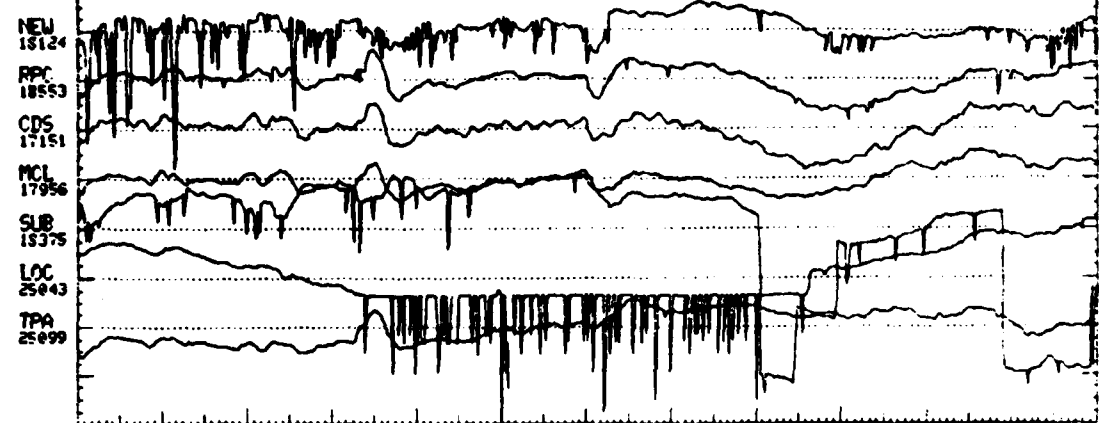
40 THROTLES/40 IN/MP DIVISION

NEU
54829
PPC
54986
CDS
55673
MCL
55061
SUB
54247
LOC
40741
TPA
42690



19 FEB 73 (147 72.050) UNIFORM TIME HELL TARGET METER RETURN

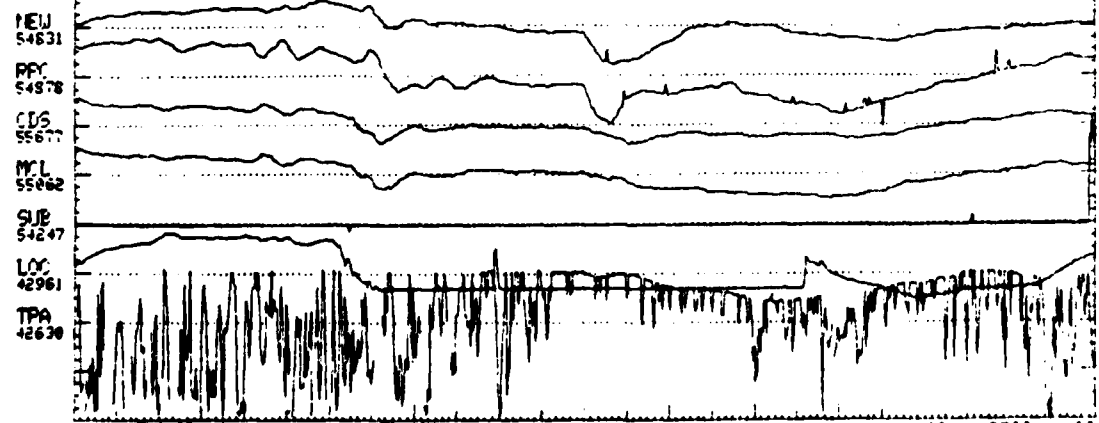
FLUGATE X COMPONENT 40 NANOTESLA/MAJOR DIVISION



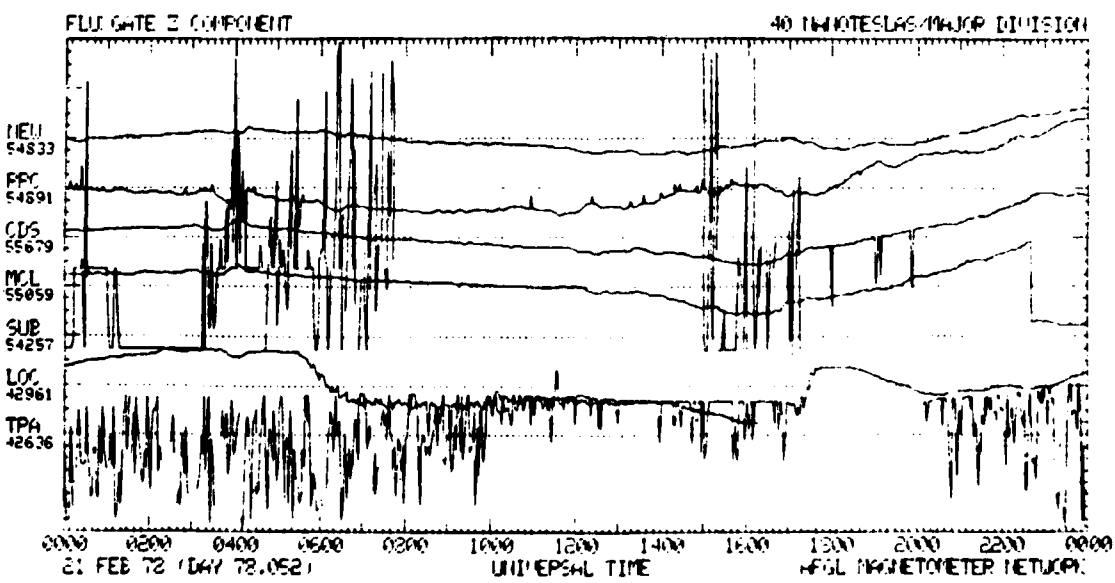
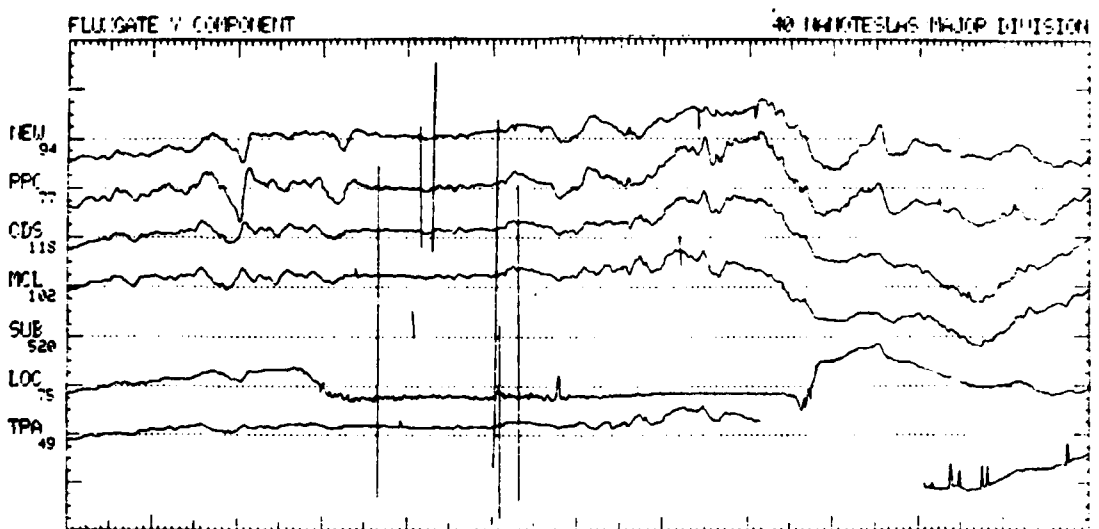
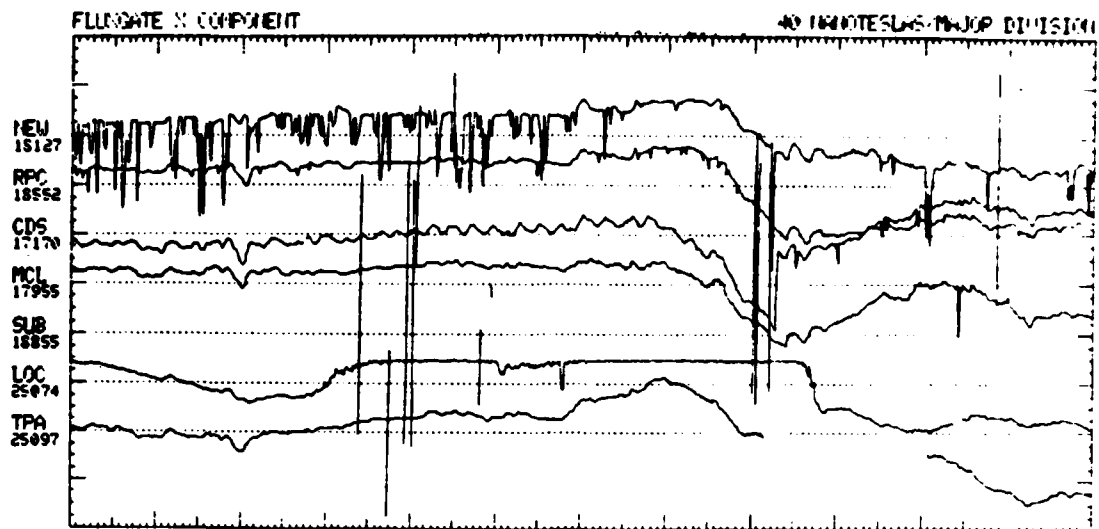
FLUGATE Y COMPONENT 40 NANOTESLA/MAJOR DIVISION



FLUGATE Z COMPONENT 40 NANOTESLA/MAJOR DIVISION



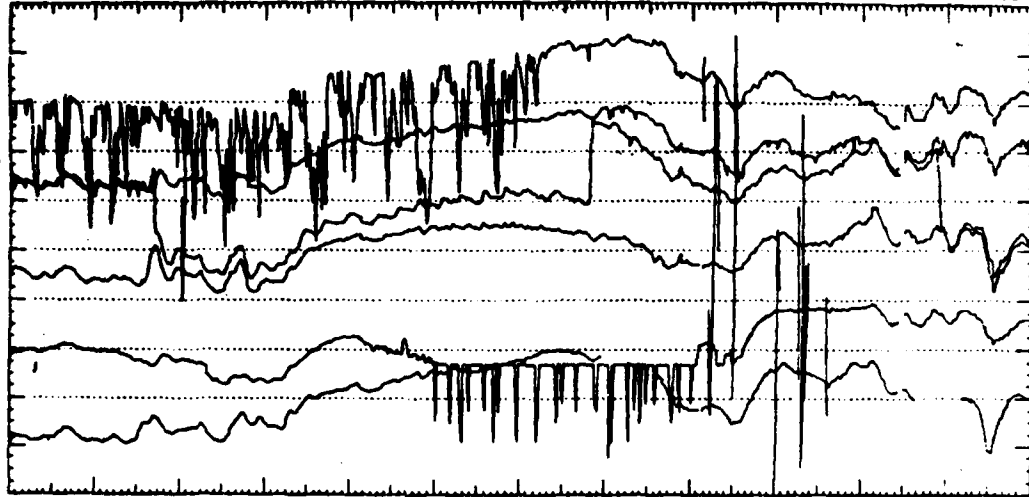
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 20 FEB 73 (DAY 73.051) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK



FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

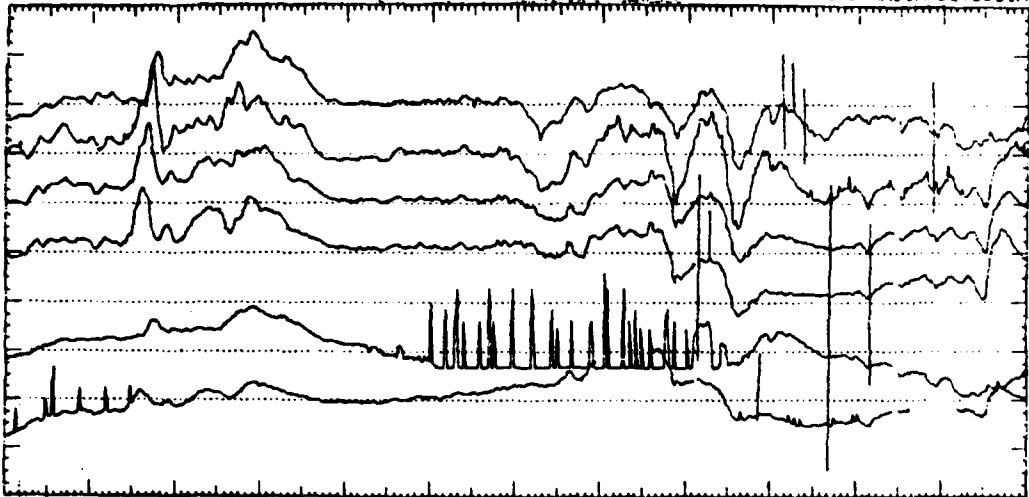
NEU
18100
RPC
18950
CDS
17178
MCL
17951
SUB
18947
LOC
25041
TPA
25085



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

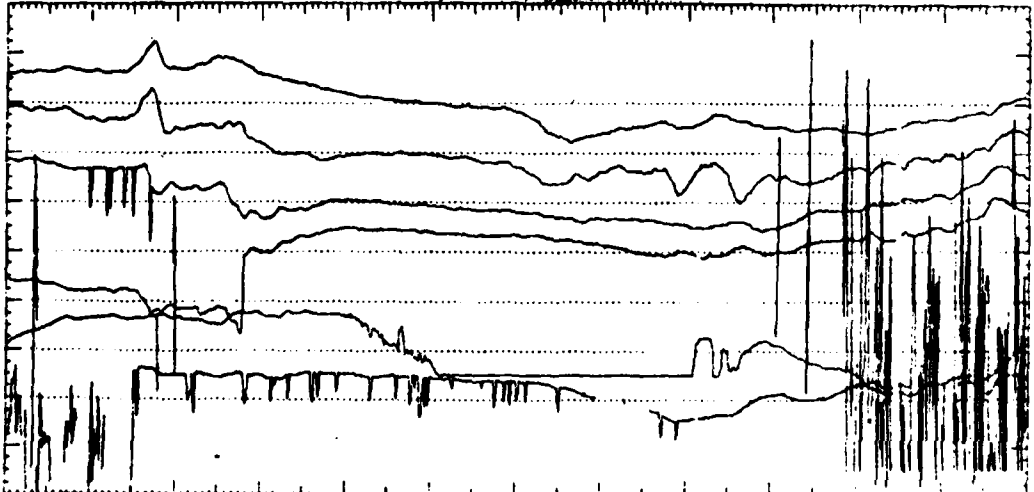
NEU
97
RPC
81
CDS
121
MCL
104
SUB
691
LOC
82
TPA
64



FLUGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

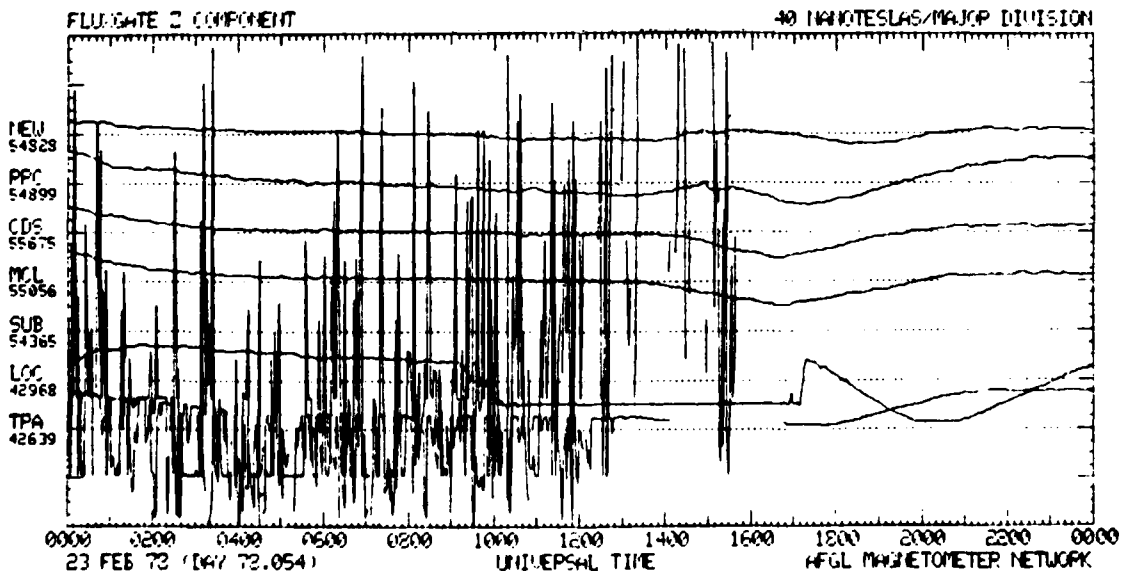
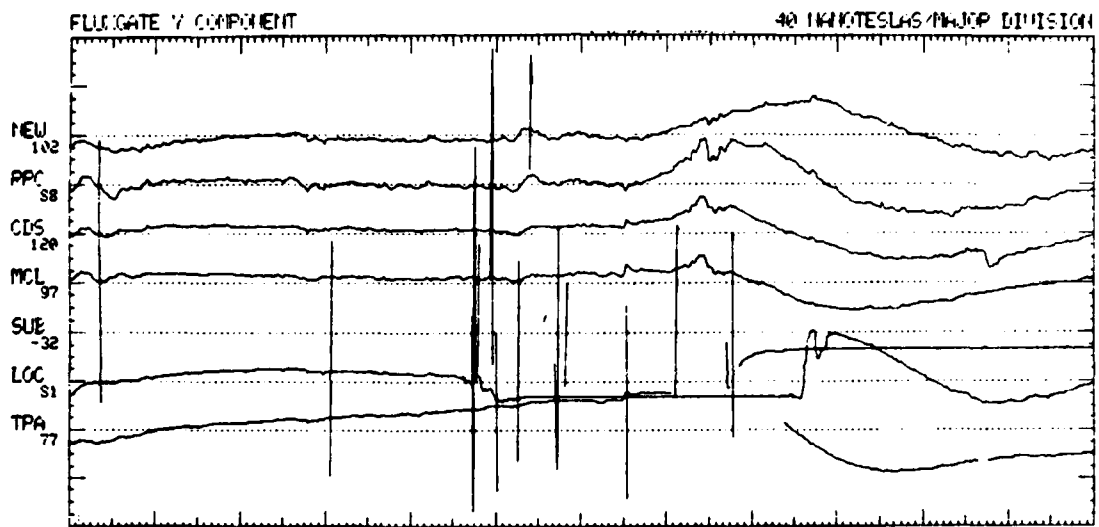
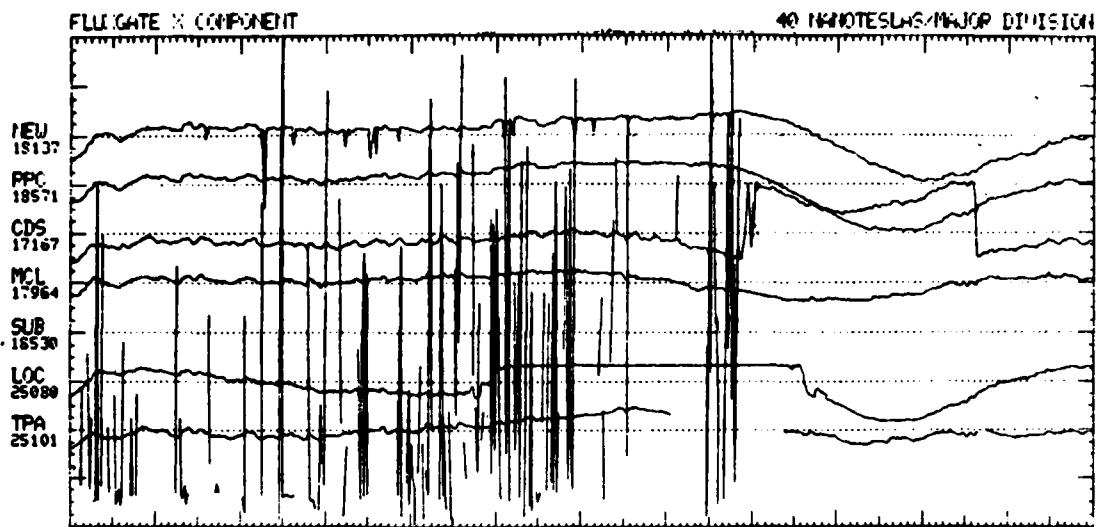
NEU
54835
RPC
54912
CDS
55678
MCL
55048
SUB
54450
LOC
42969
TPA
42651



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
22 FEB 78 (DAY 78.053)

UNIVERSAL TIME

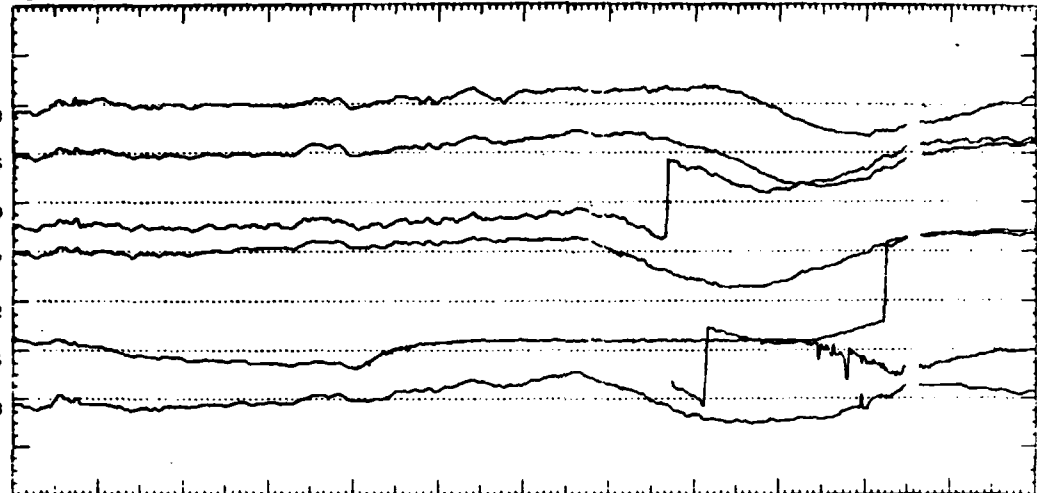
AFGL MAGNETOMETER NETWORK



FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

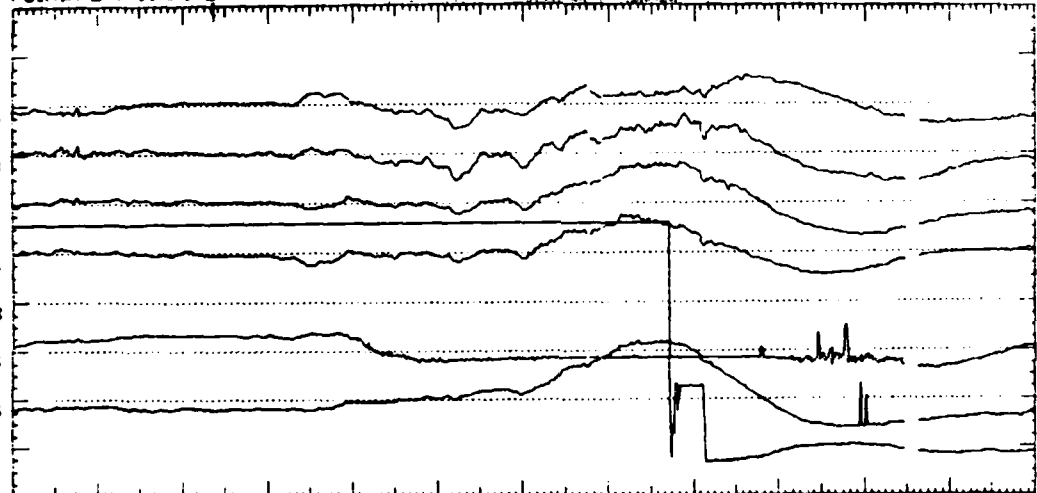
NEW
15143
RPC
18575
CDS
17179
MCL
17967
SUB
18342
LOC
25085
TPA
25103



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

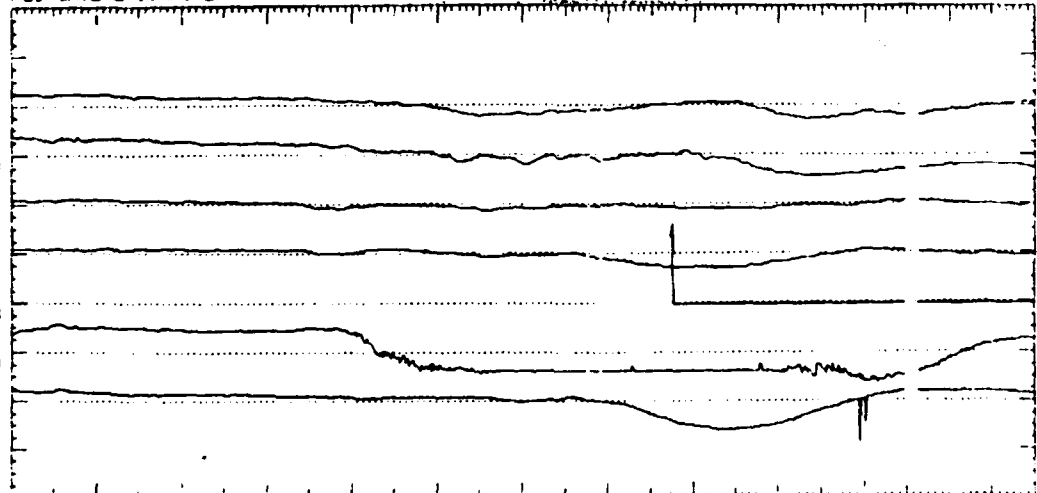
NEW
96
RPC
83
CDS
121
MCL
101
SUB
-108
LOC
75
TPA
66



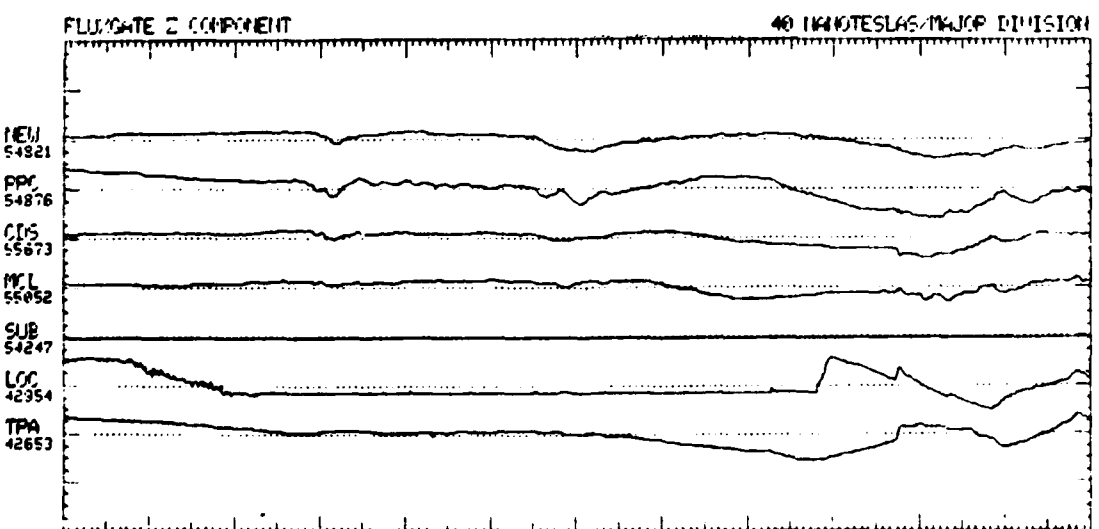
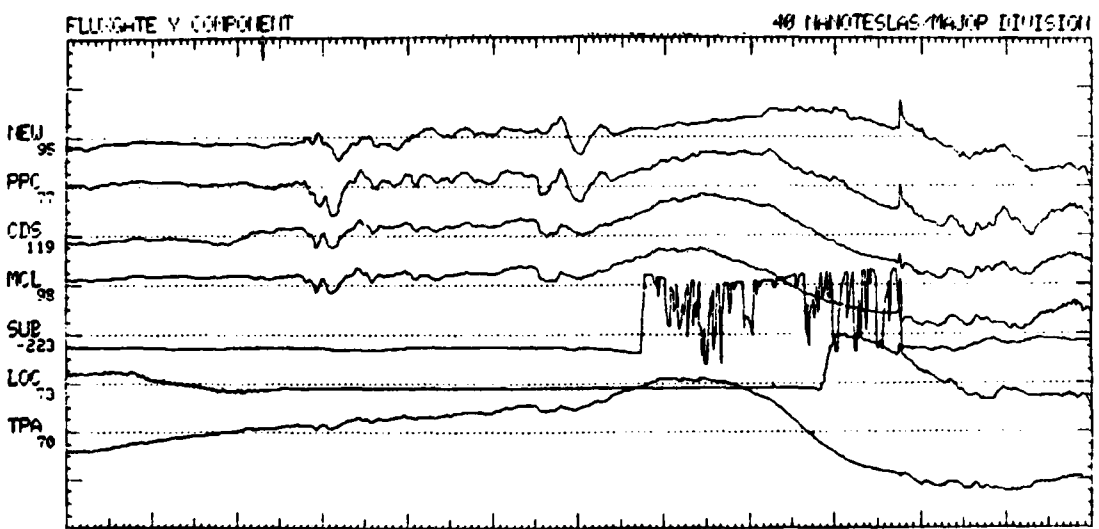
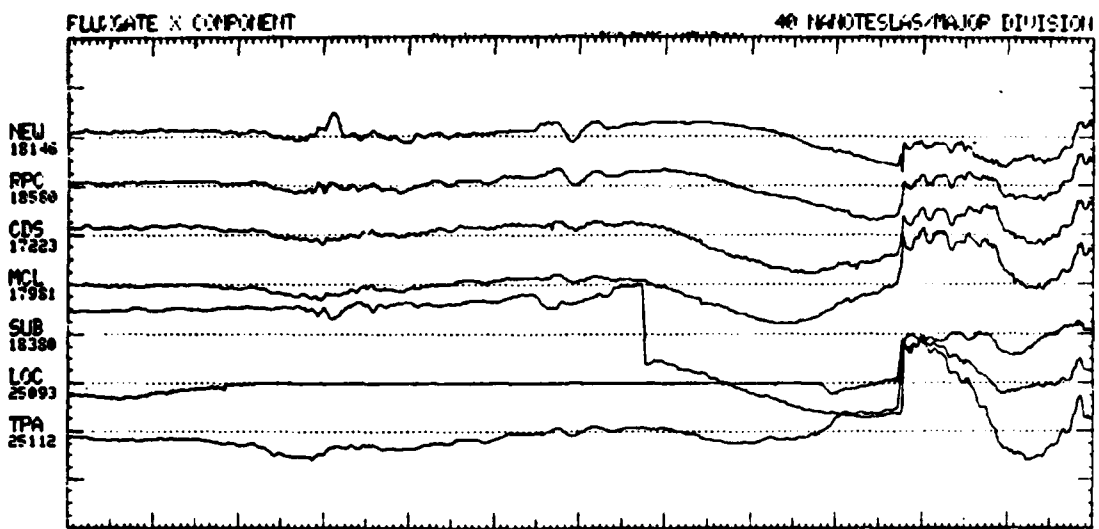
FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

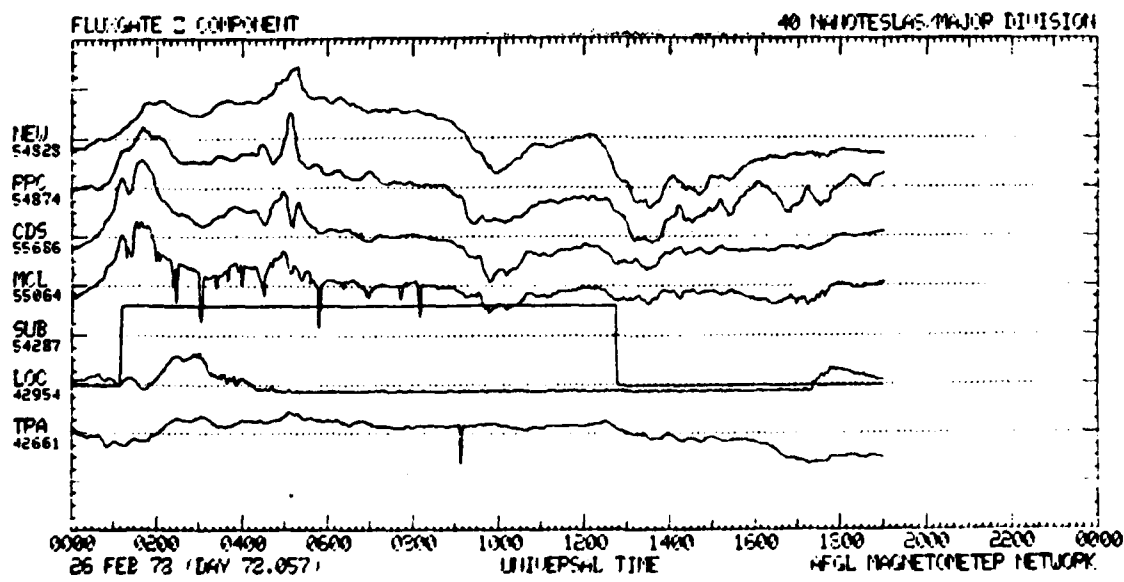
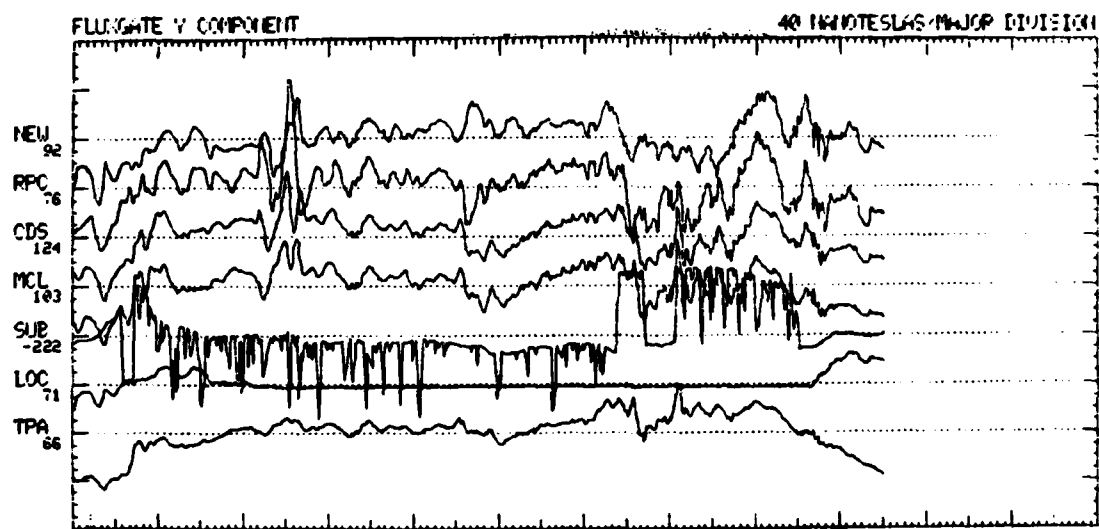
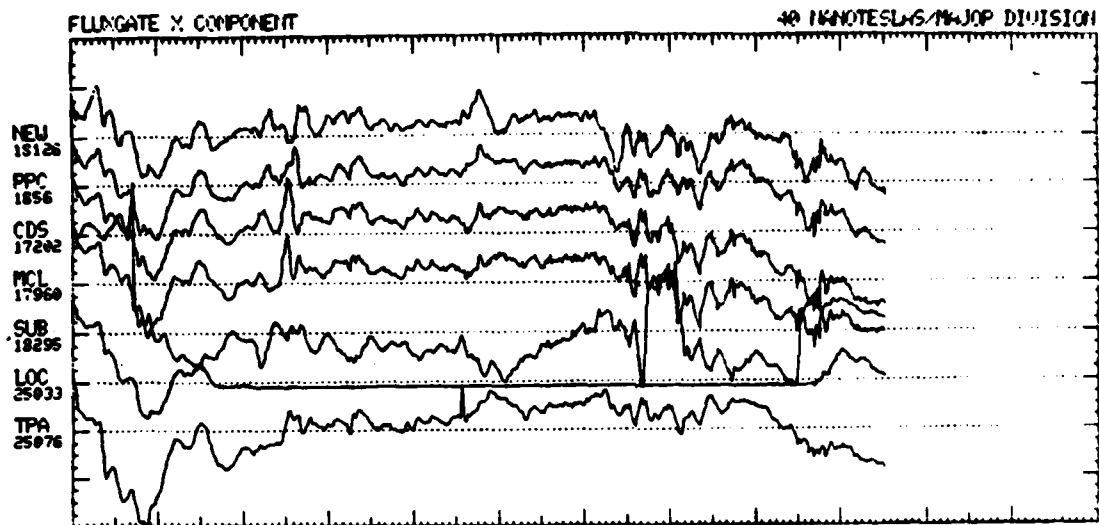
NEW
54821
RPC
54903
CDS
55677
MCL
55056
SUB
54248
LOC
42964
TPA
42661

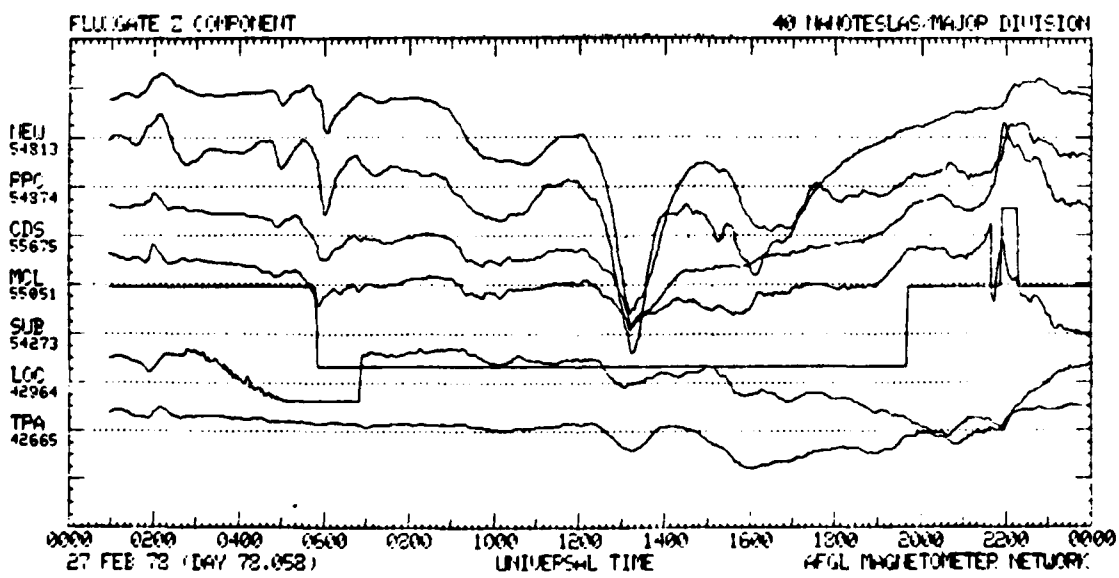
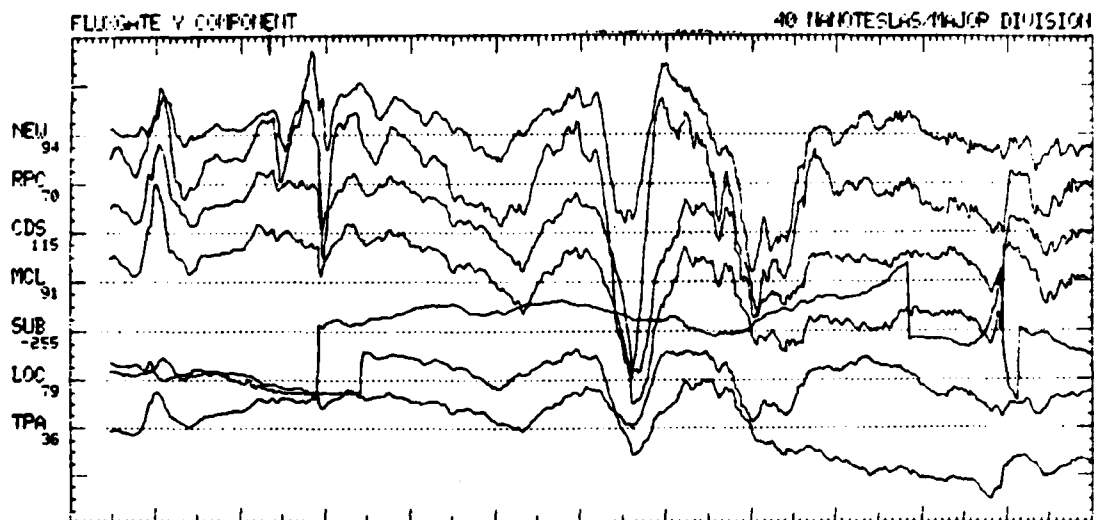
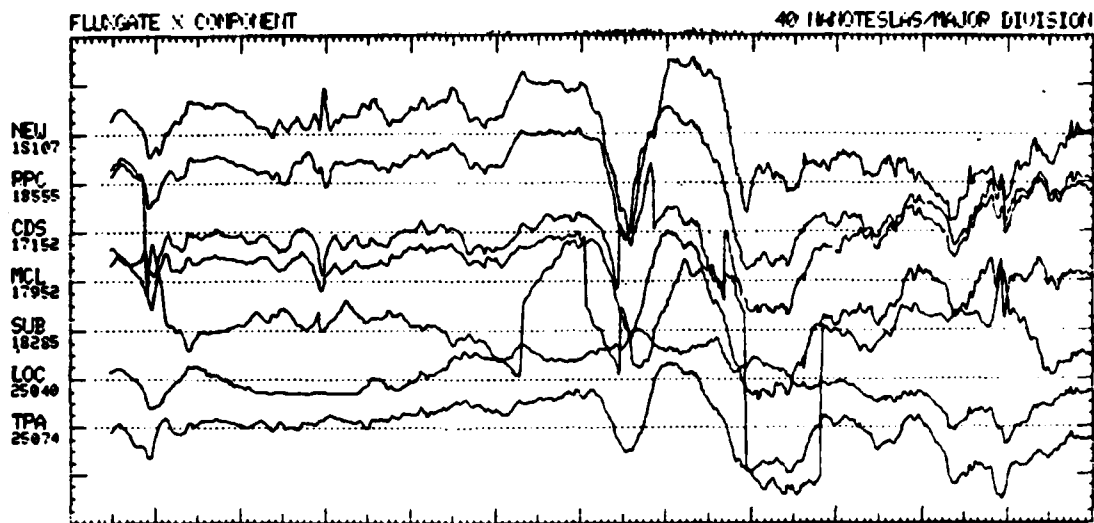


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24 FEB 72 (DAY 72.055) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 25 FEB 73 (DAY 72.056) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

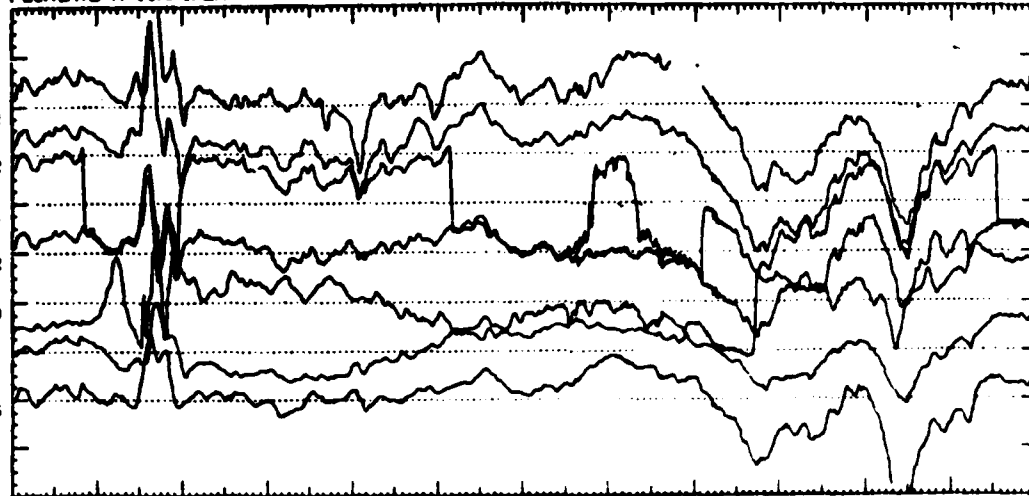




FLUNGATE X COMPONENT

40 INWITESLAS/MAJOR DIVISION

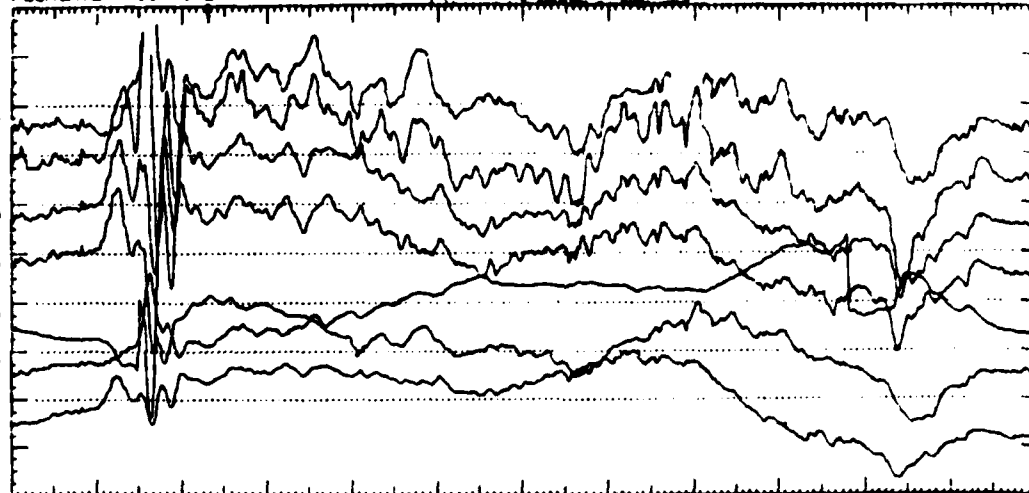
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RPC 18532
CDS 17161
MCL 17952
SUB 18289
LOC 25031
TPA 25065



FLUNGATE Y COMPONENT

20 INWITESLAS/MAJOR DIVISION

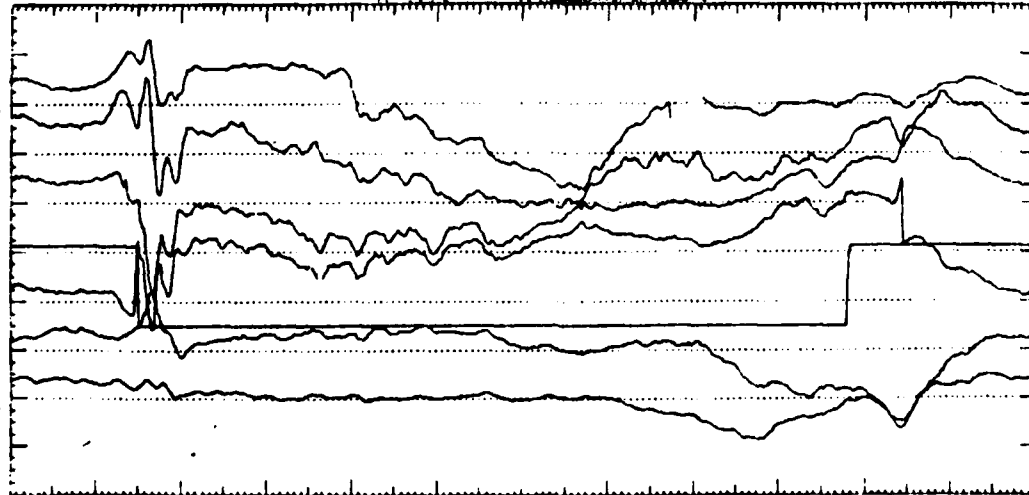
NEU 105
RPC 31
CDS 130
MCL 104
SUB 254
LOC 90
TPA 31



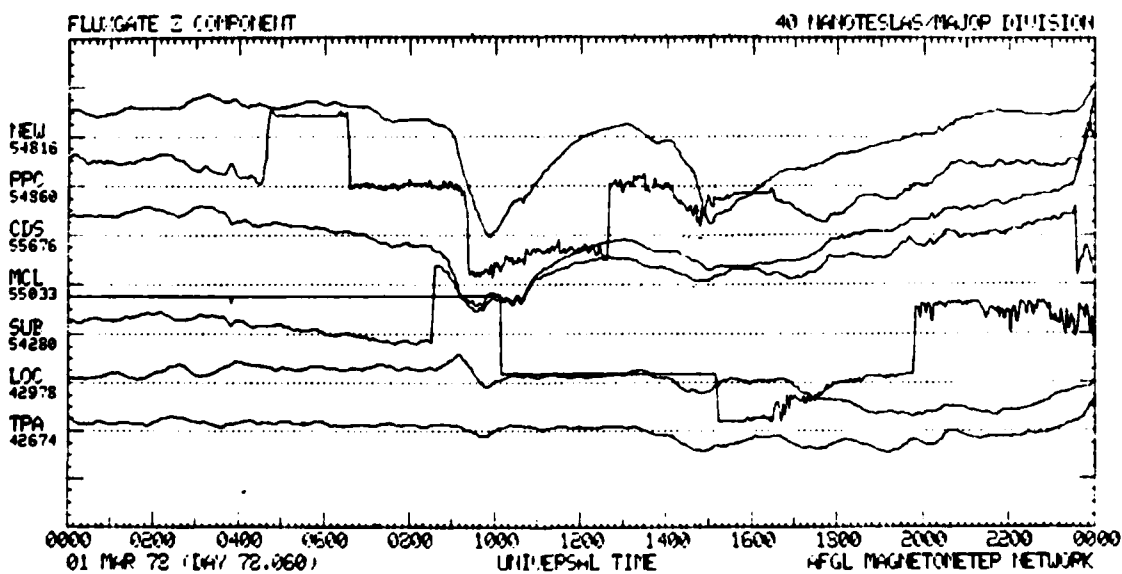
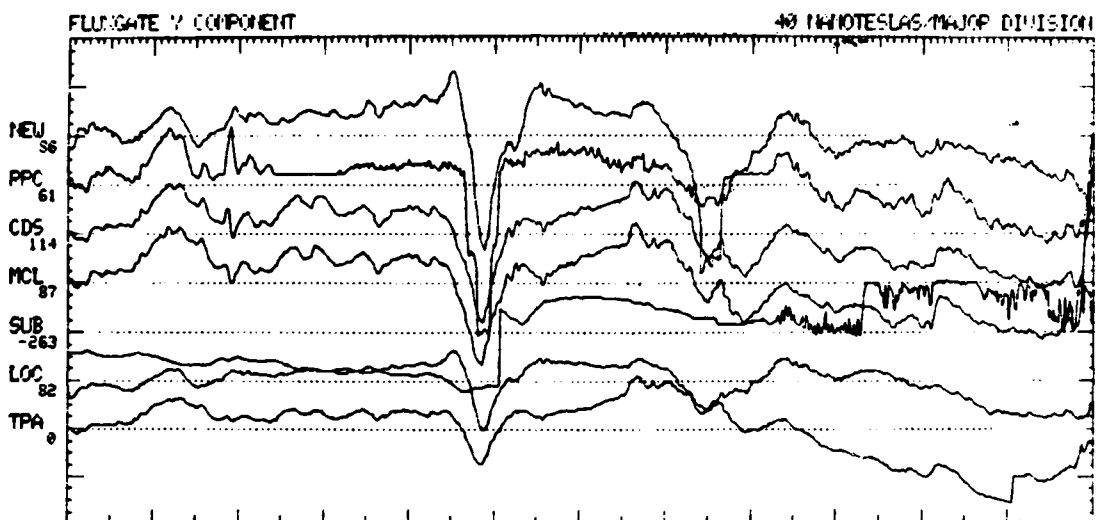
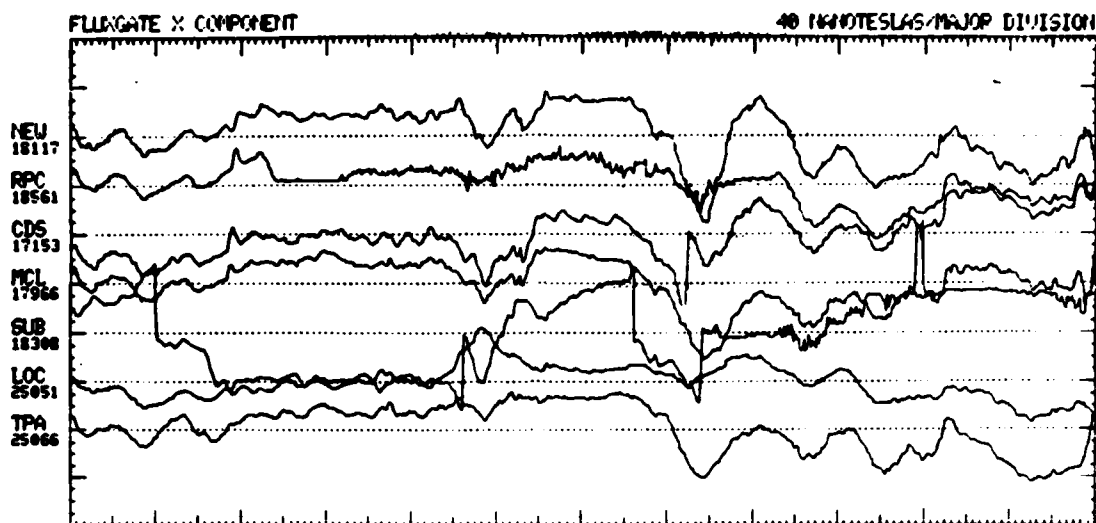
FLUNGATE Z COMPONENT

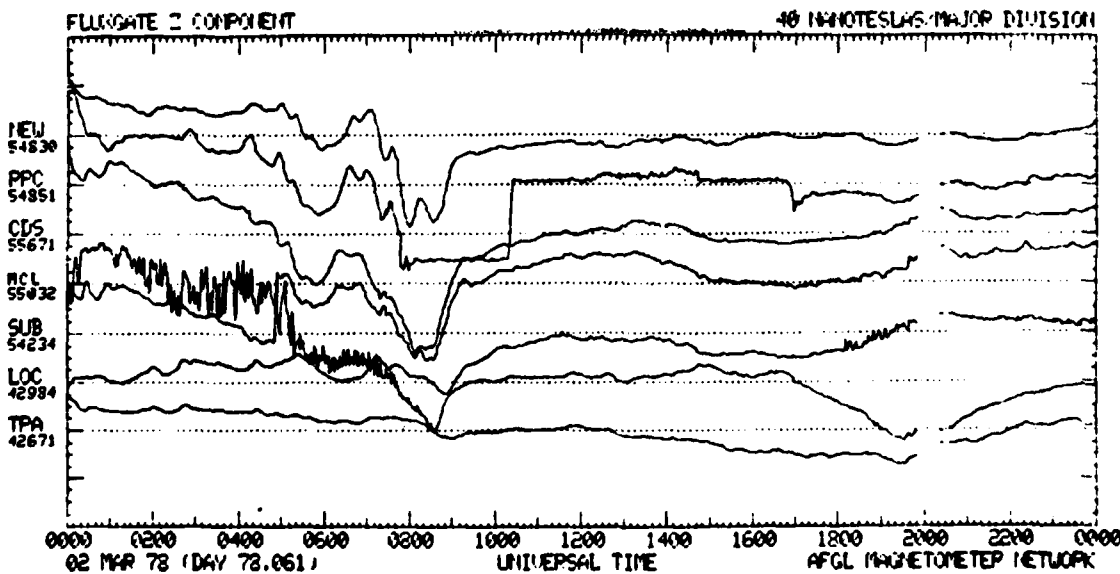
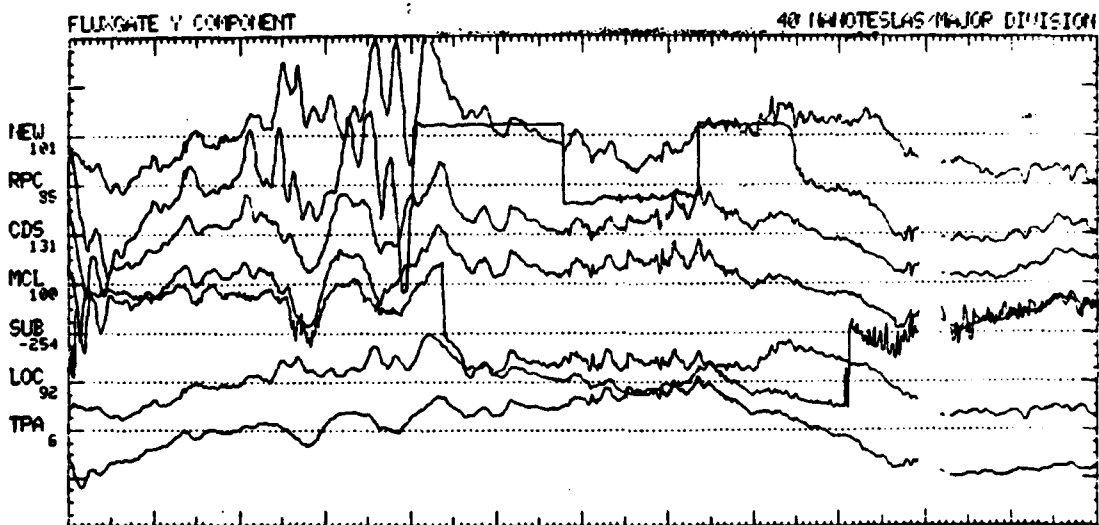
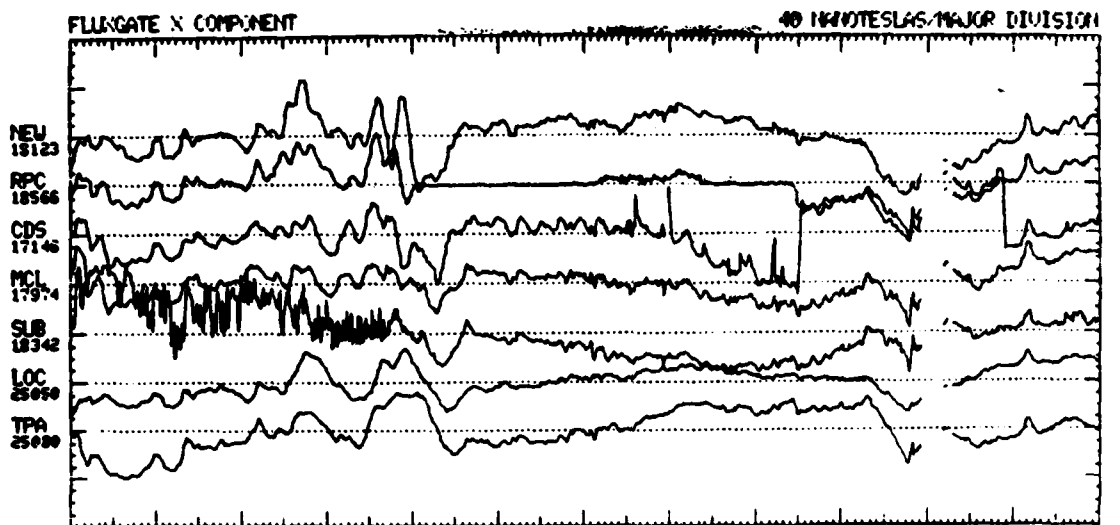
40 INWITESLAS/MAJOR DIVISION

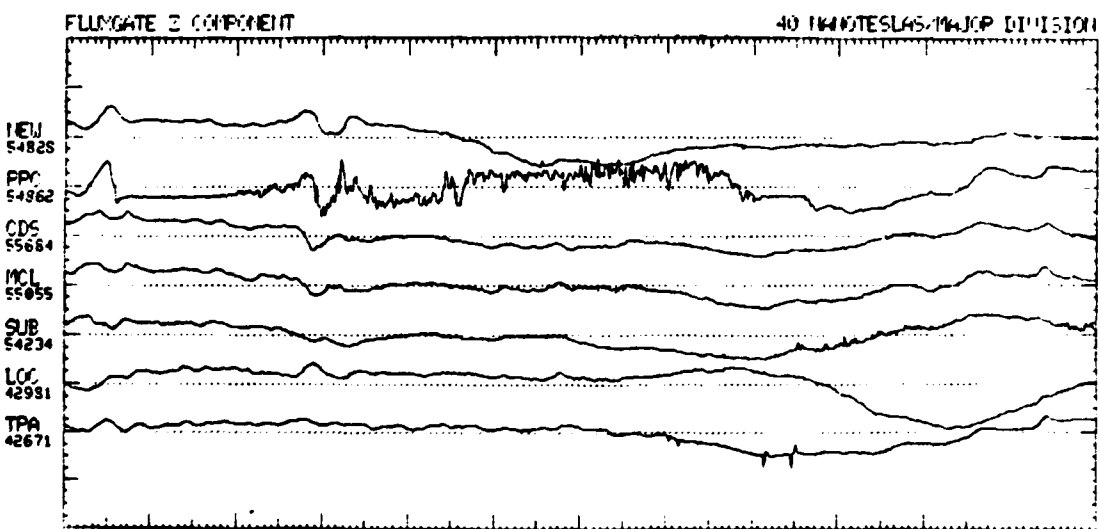
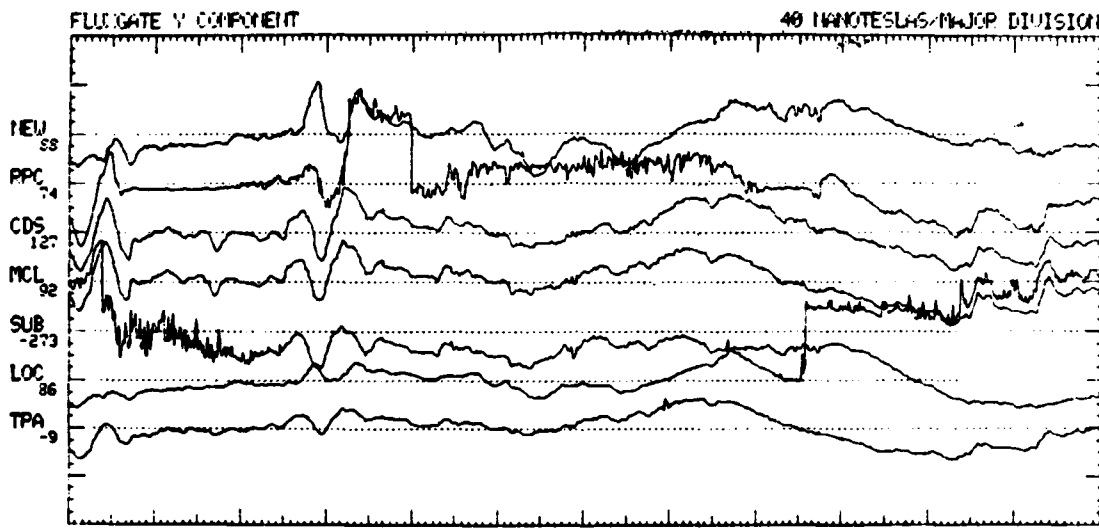
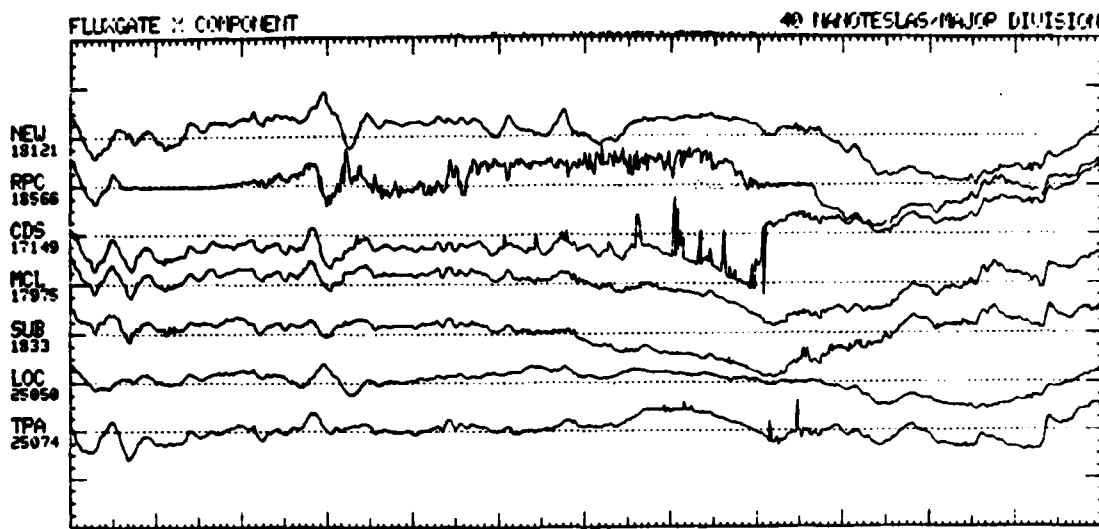
NEU 54827
RPC 54868
CDS 55675
MCL 55836
SUB 54266
LOC 42973
TPA 42669



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22 FEB 78 (DAY 78.059) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK





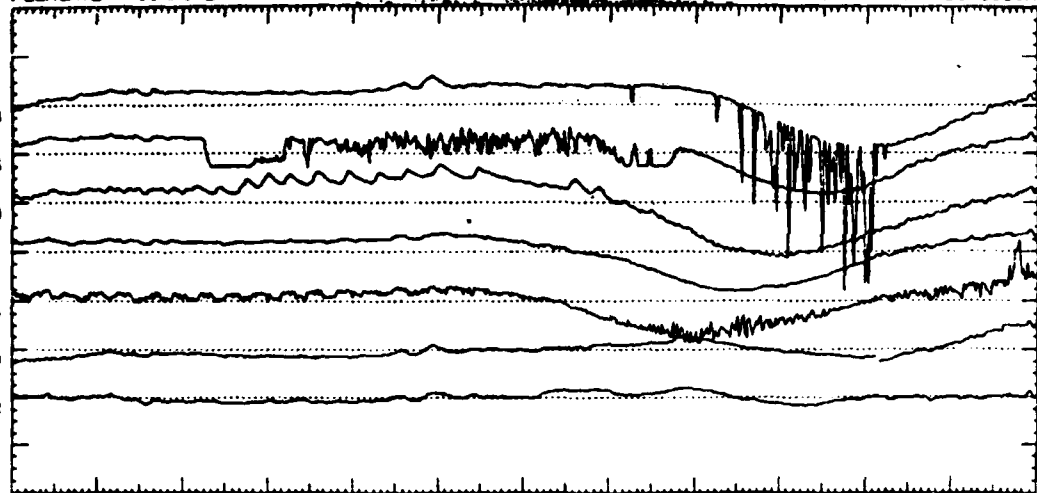


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 03 MAR 78 (DAY 72.062) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

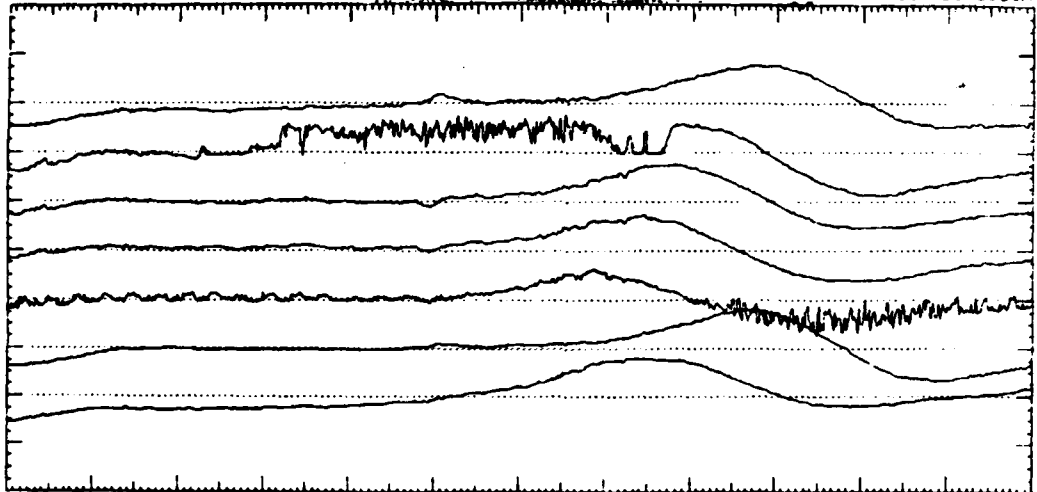
NEU 18133
RPC 18576
CDS 17144
MCL 17991
SUB 18346
LOC 25069
TPA 25092



FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

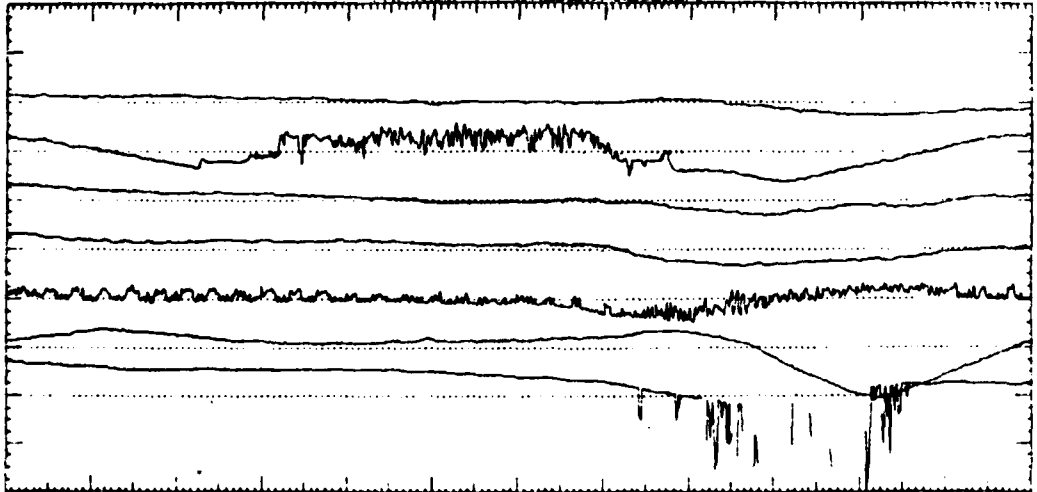
NEU 94
RPC 71
CDS 127
MCL 89
SUB -226
LOC 86
TPA 12



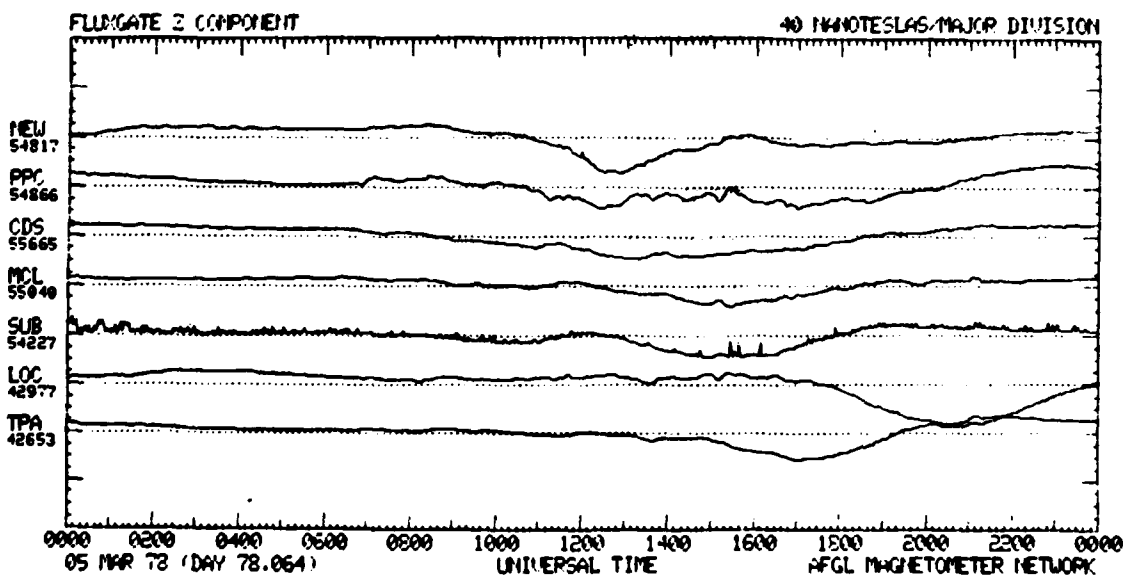
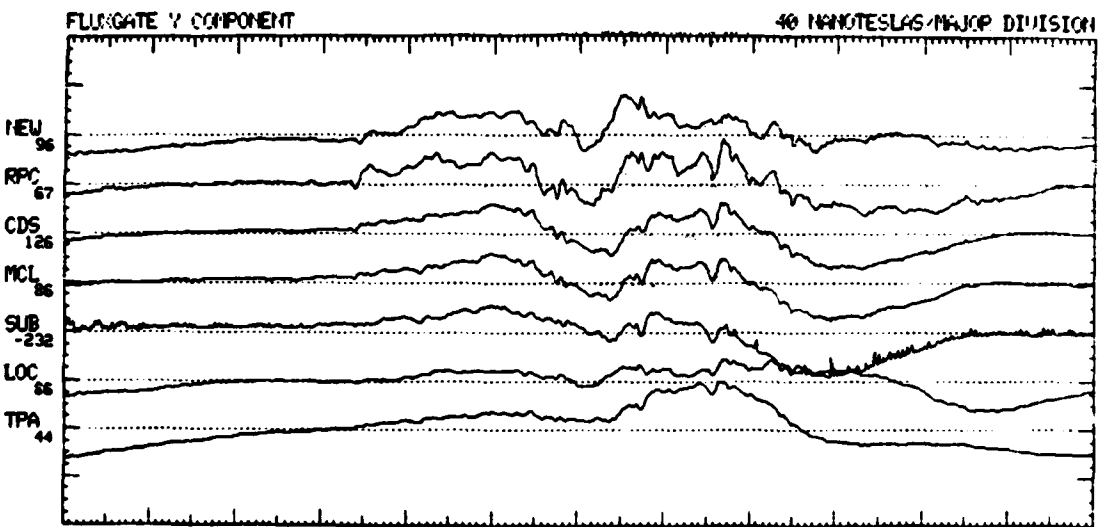
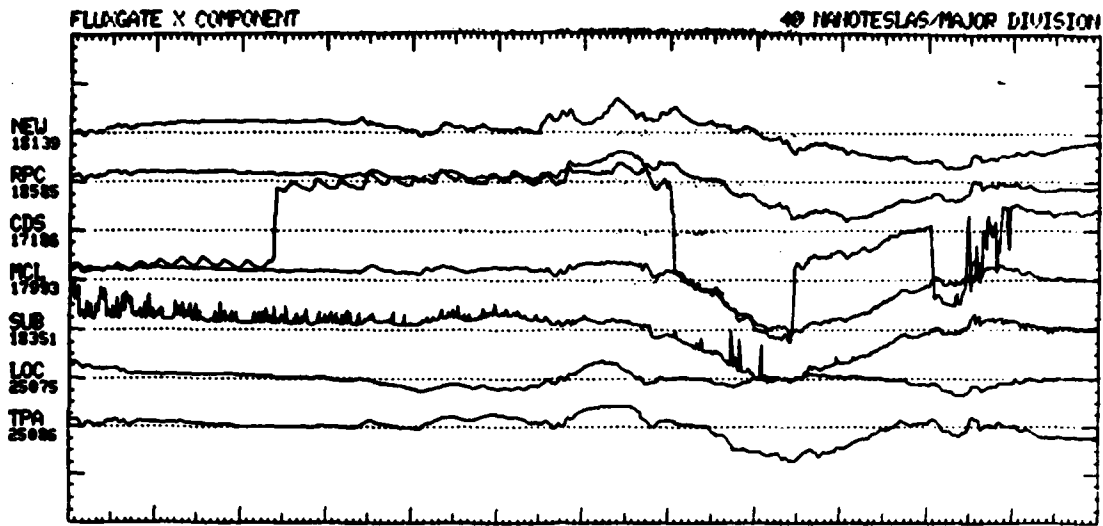
FLUNGATE Z COMPONENT

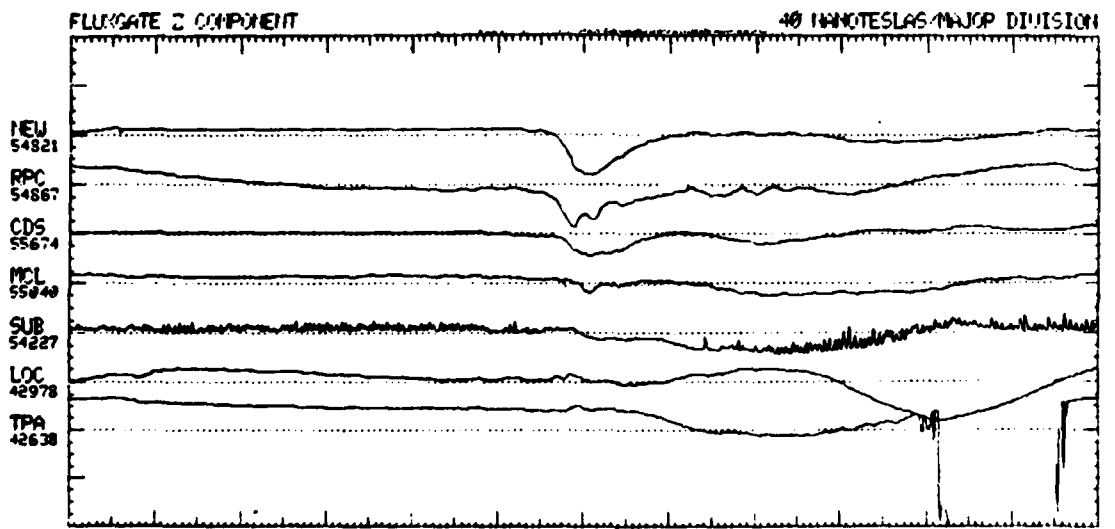
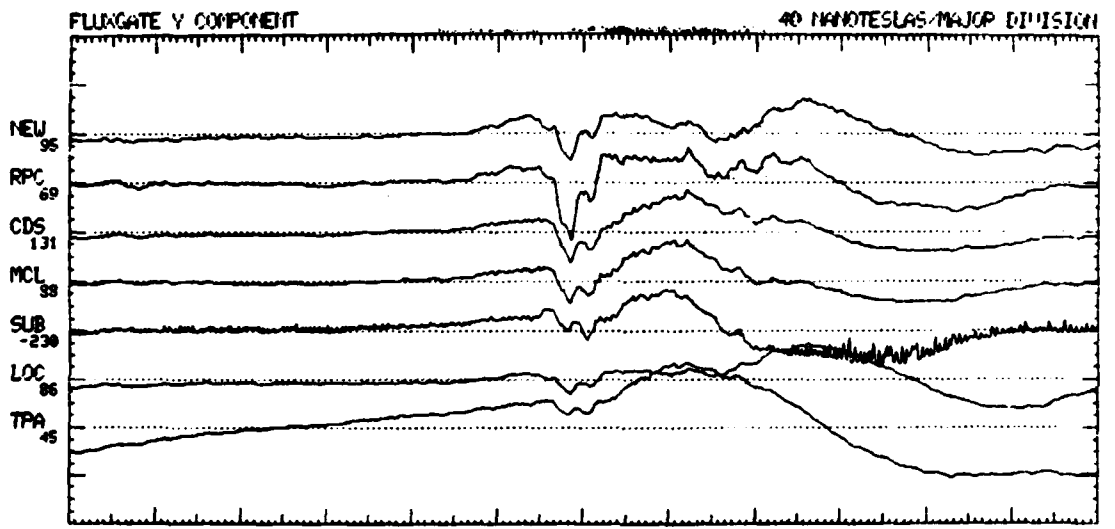
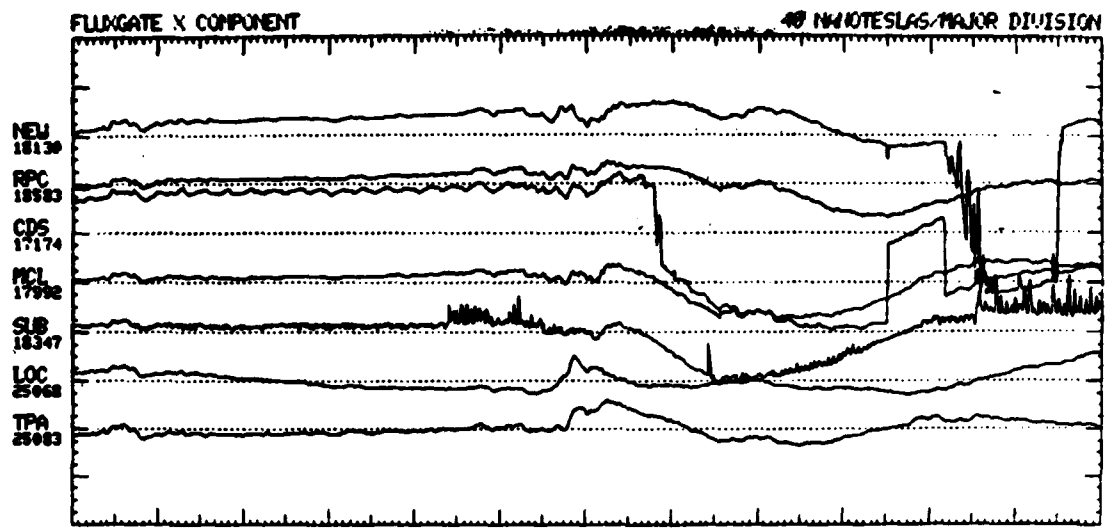
40 NANOTESLAS/MAJOR DIVISION

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RPC 54862
CDS 55669
MCL 55045
SUB 54232
LOC 42977
TPA 42652

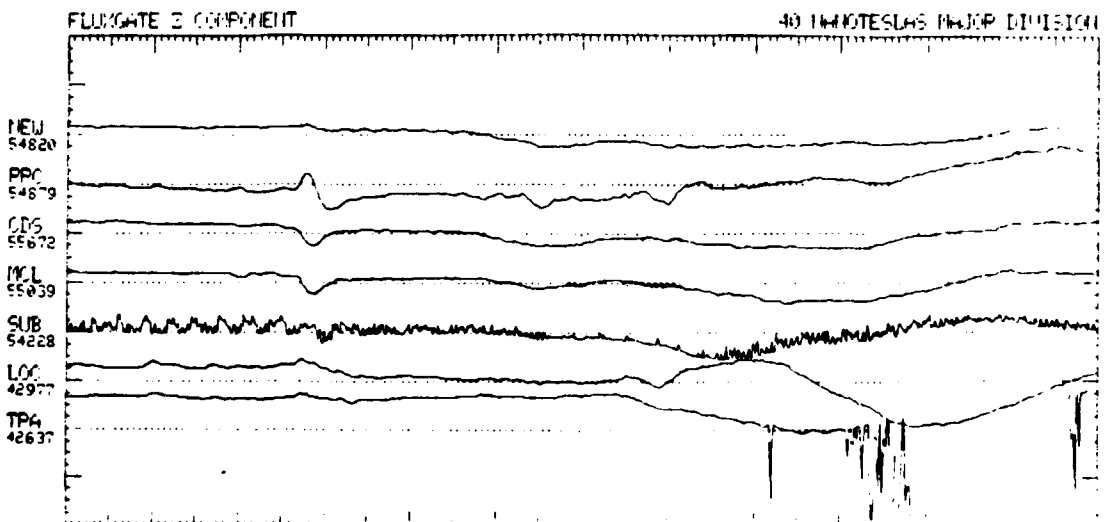
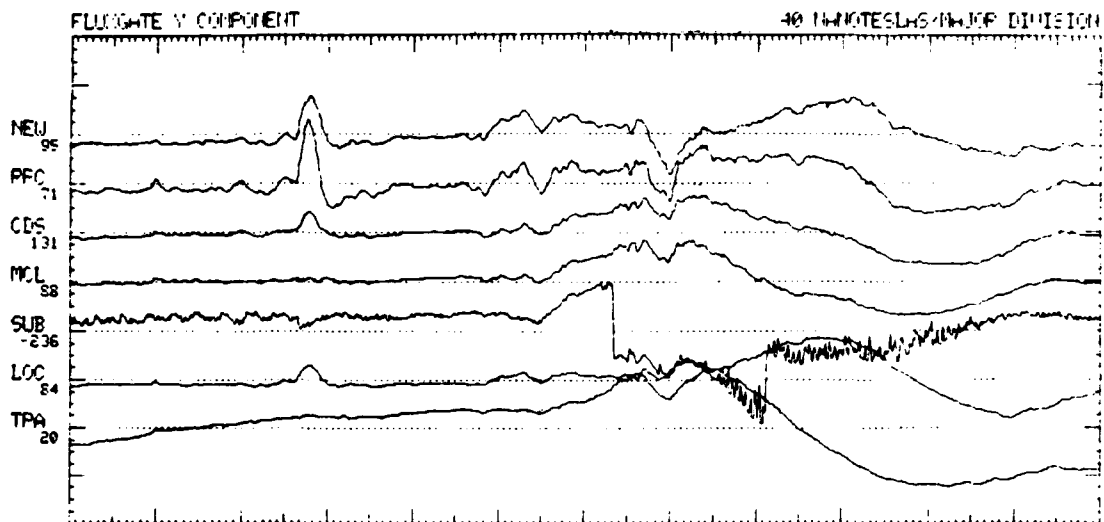
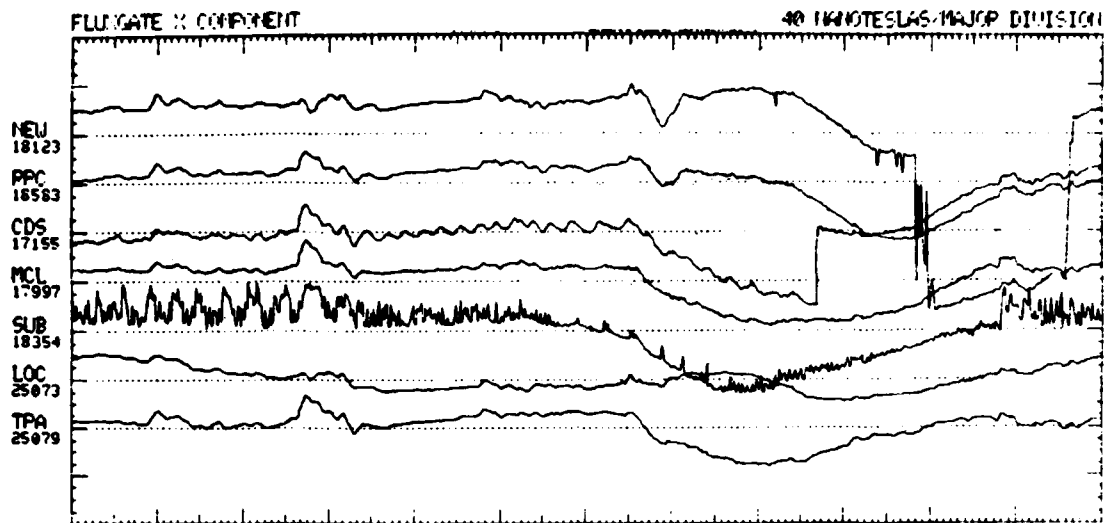


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04 MAR 78 (DAY 78.063) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

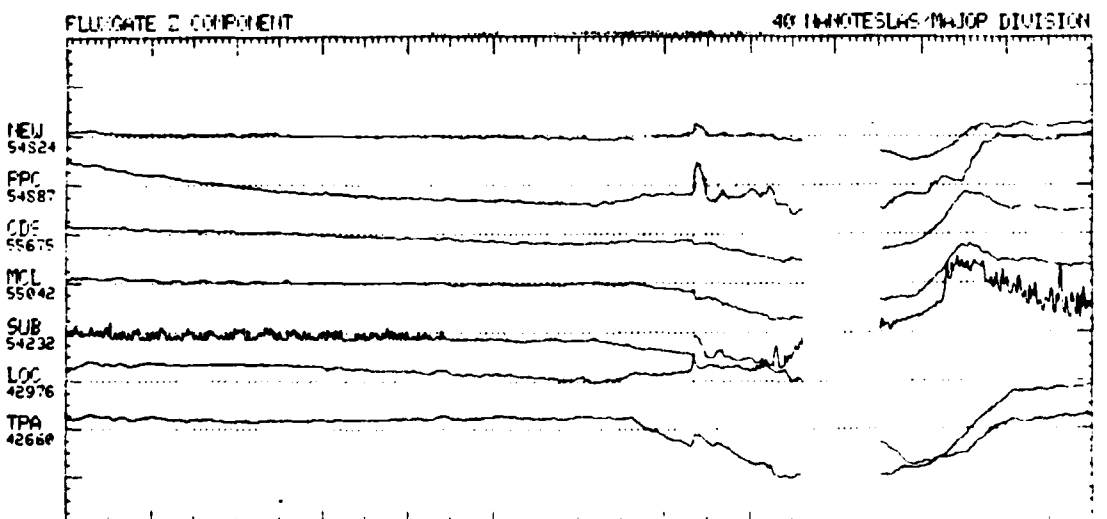
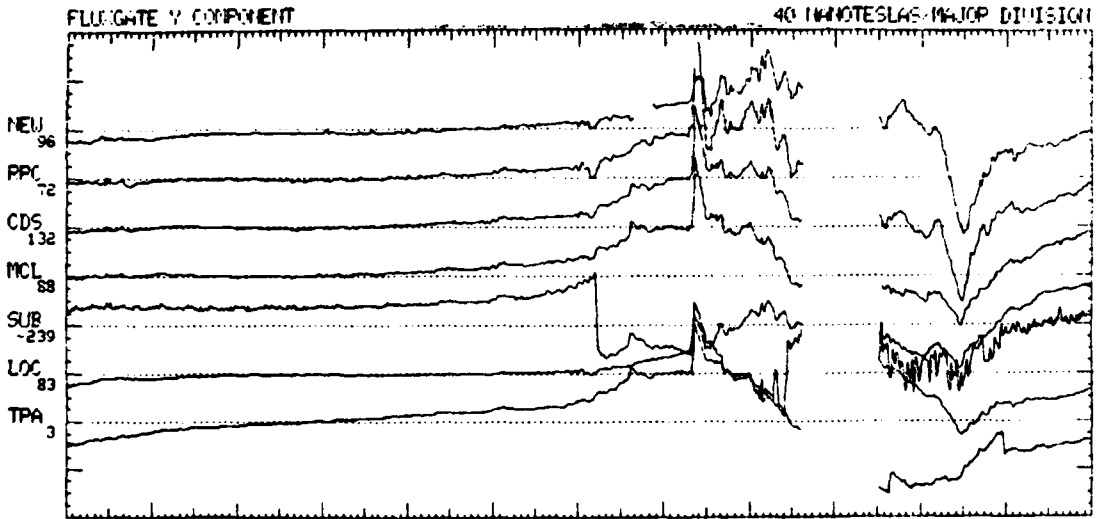
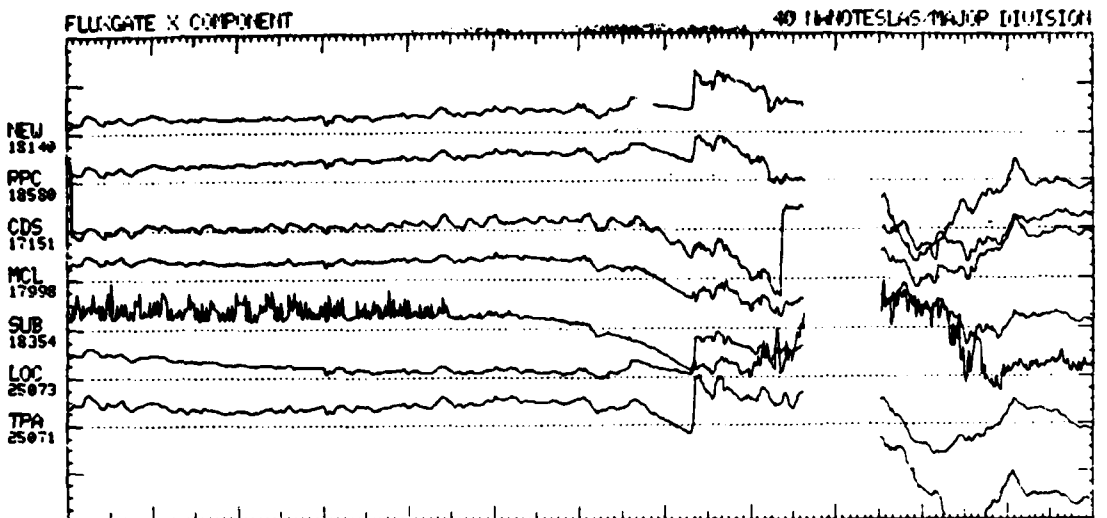




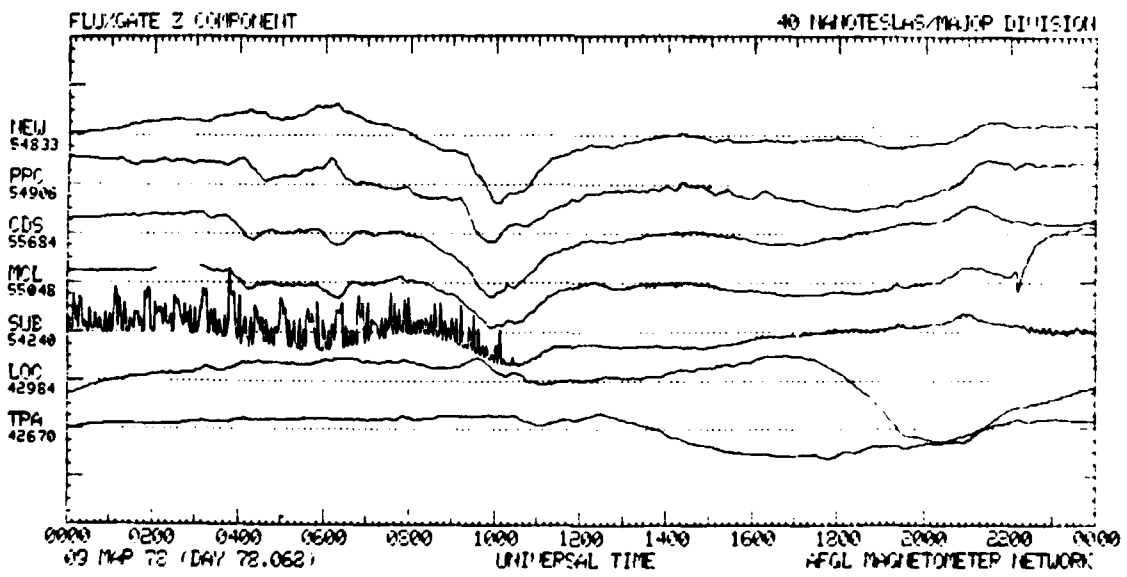
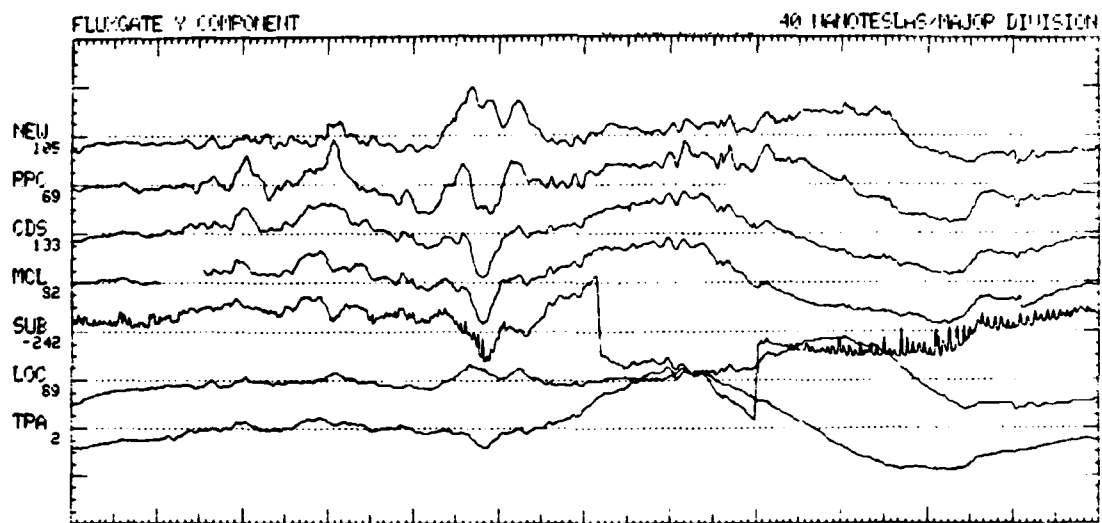
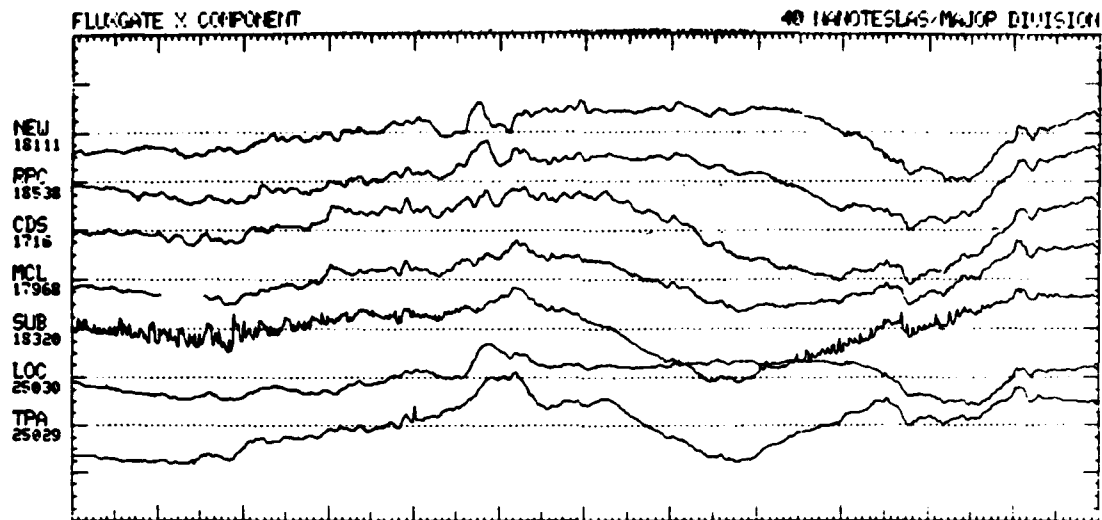
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 06 MAR 78 (DAY 78.065) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

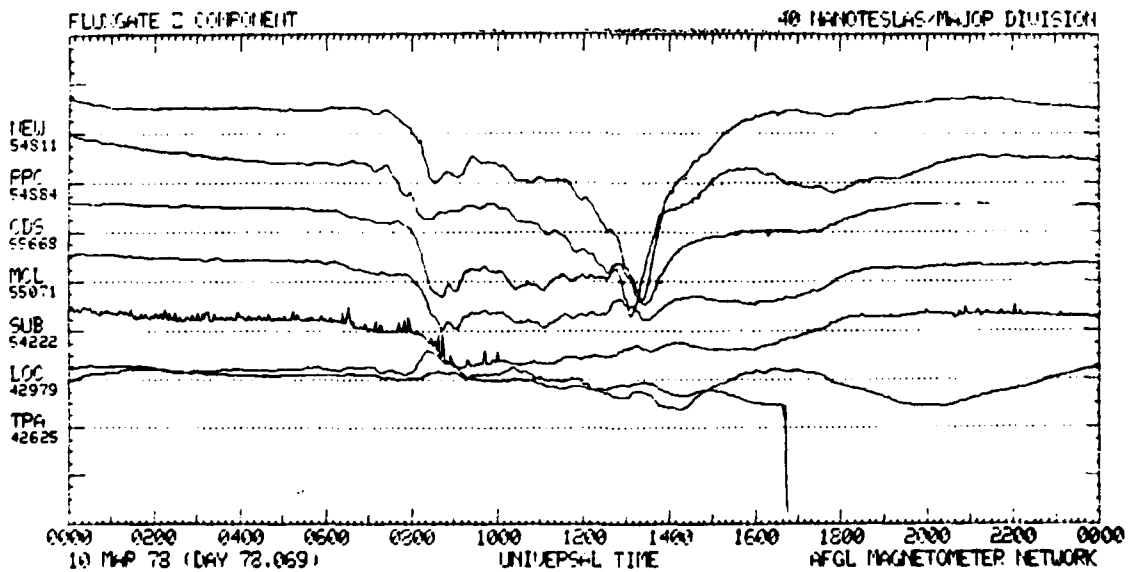
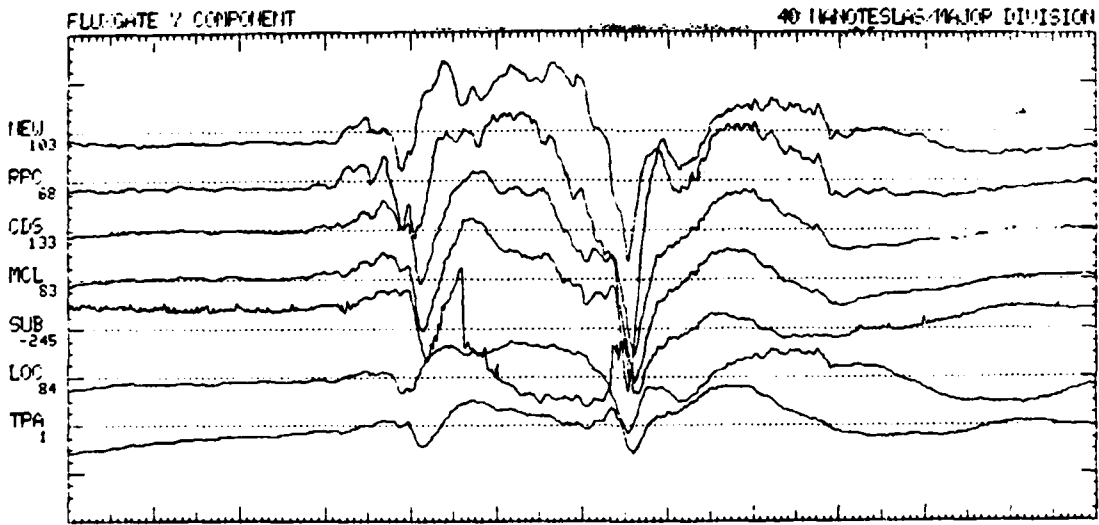
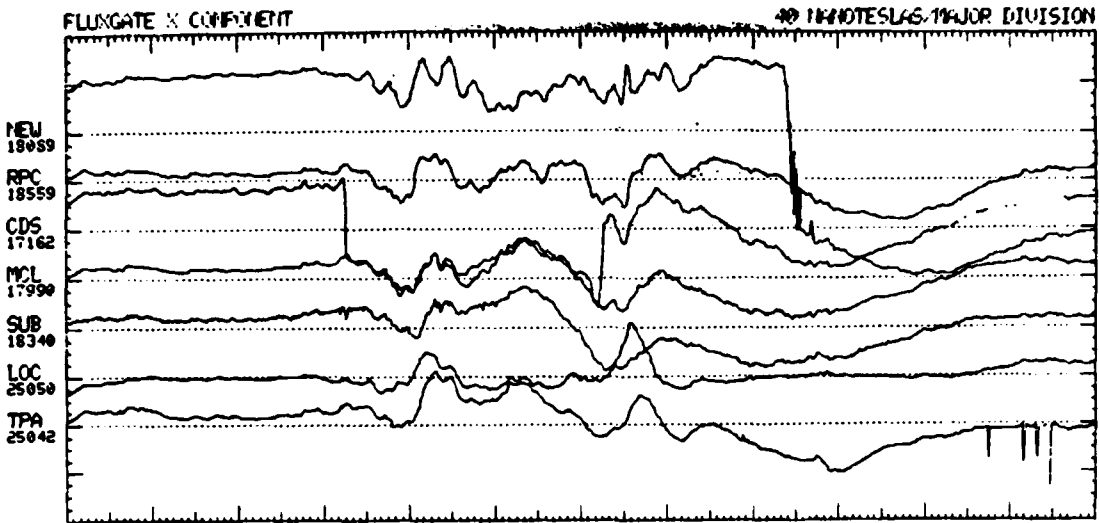


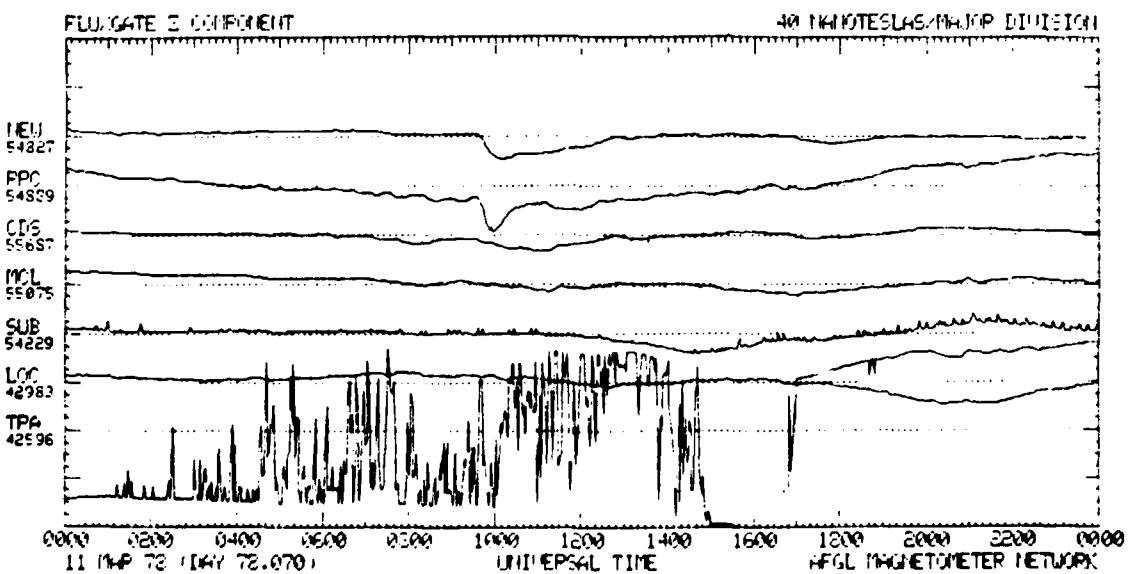
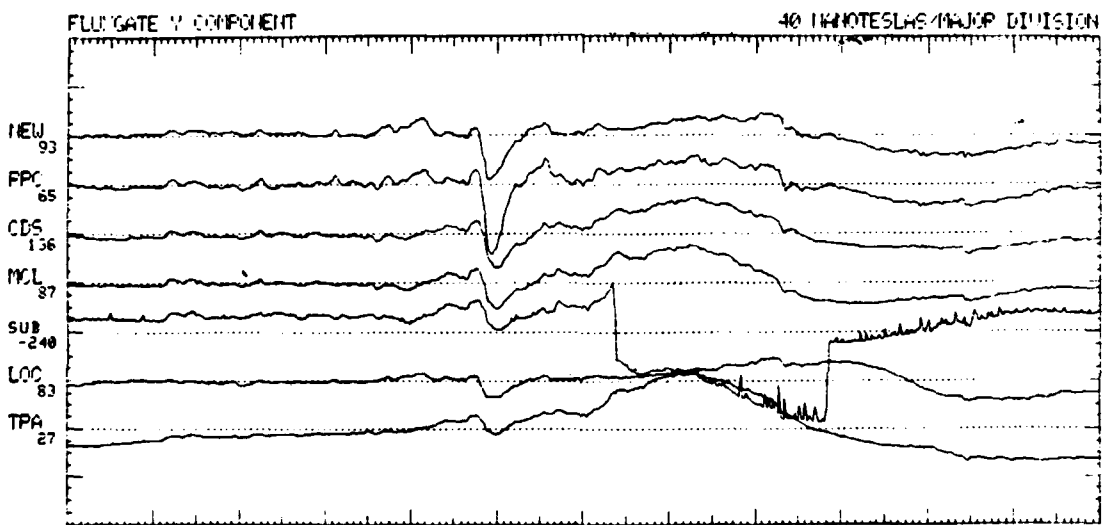
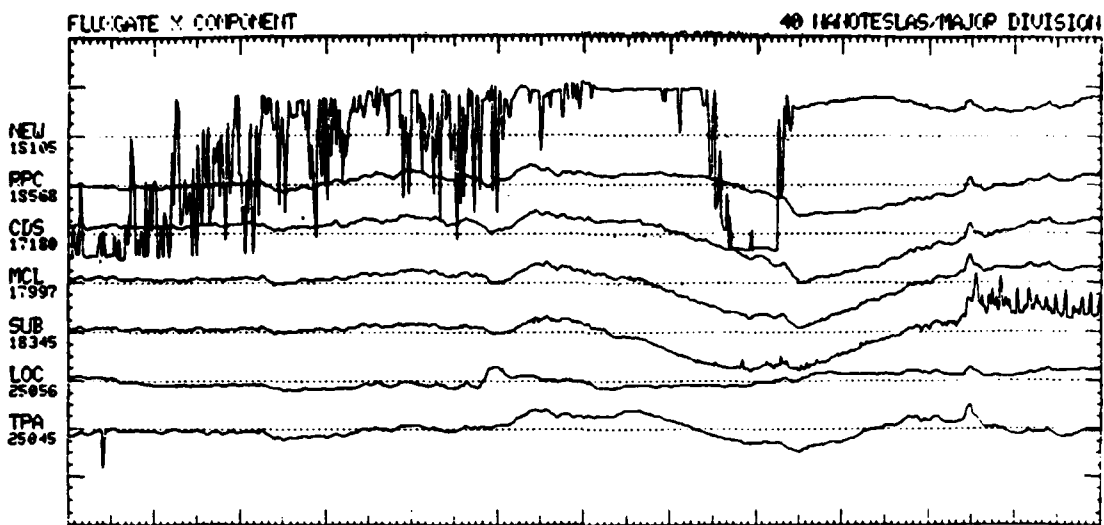
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 07 MAR 73 (DAY 72.066) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK



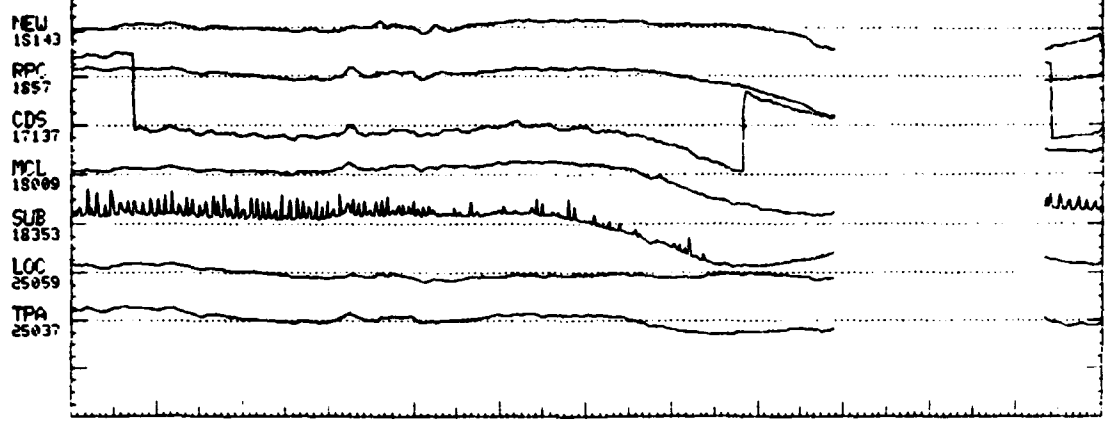
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 08 MAR 73 (DAY 72.067) UNIVERSAL TIME HGL MAGNETOMETER NETWORK



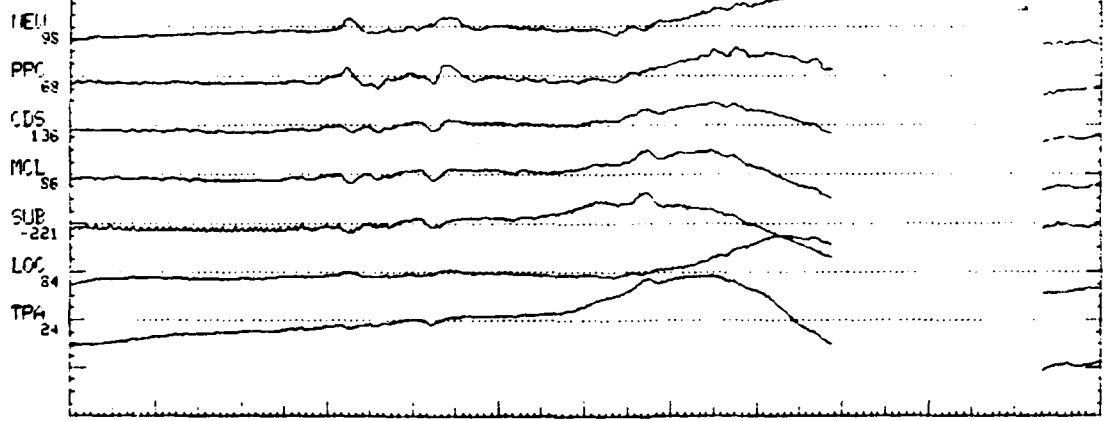




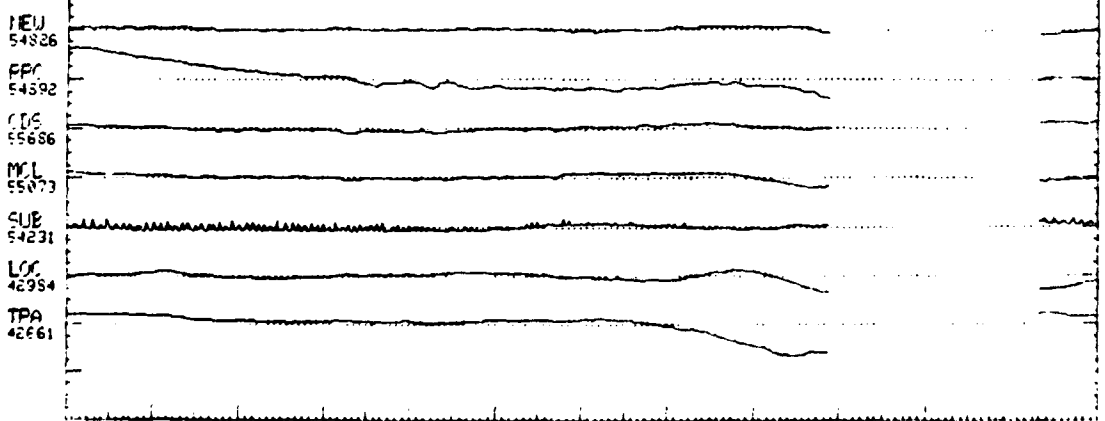
FLIGHTGATE X COMPONENT 40 NANOTESLAS MAJOR DIVISION



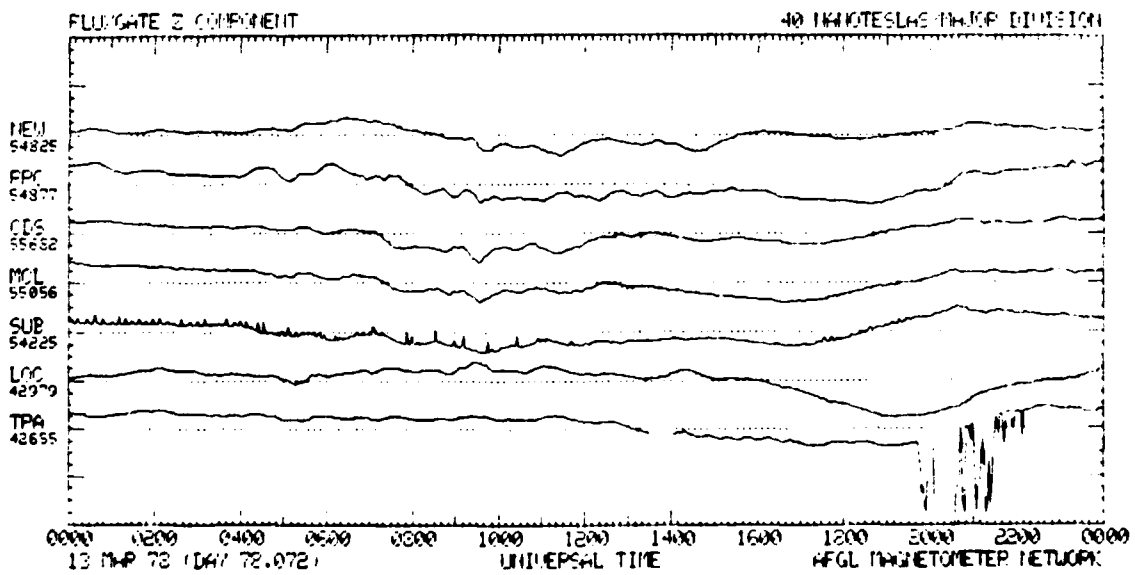
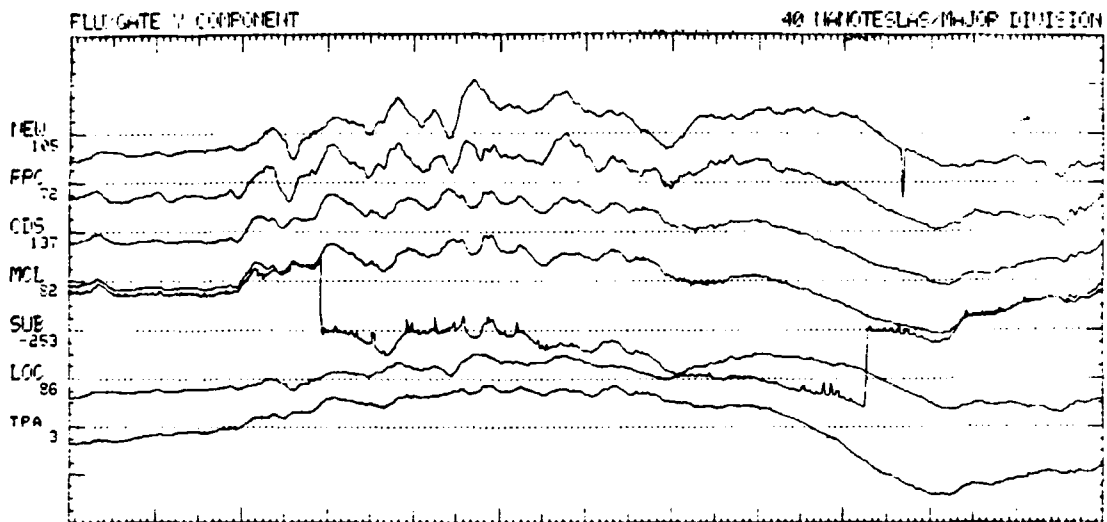
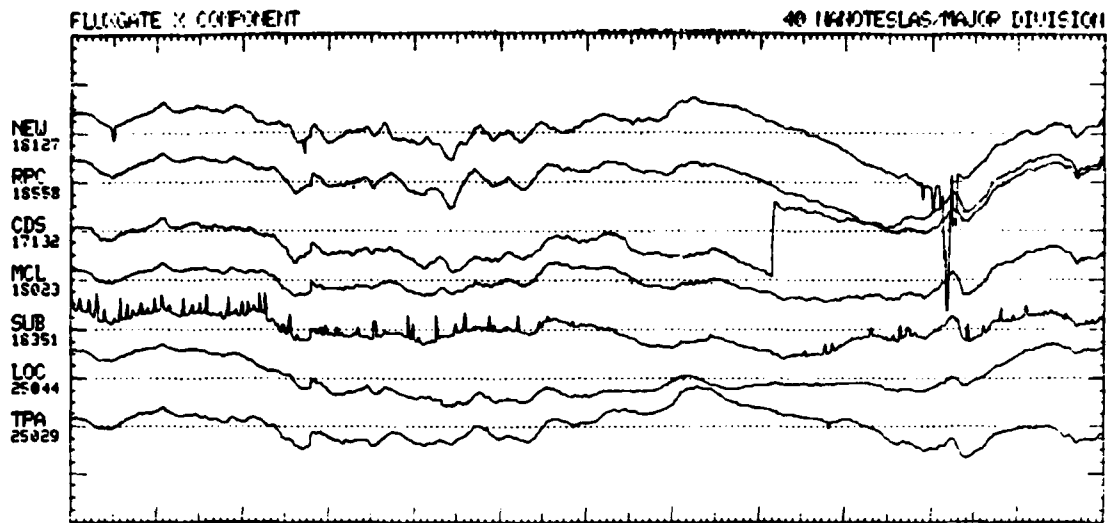
FLIGHTGATE Y COMPONENT 40 NANOTESLAS MAJOR DIVISION

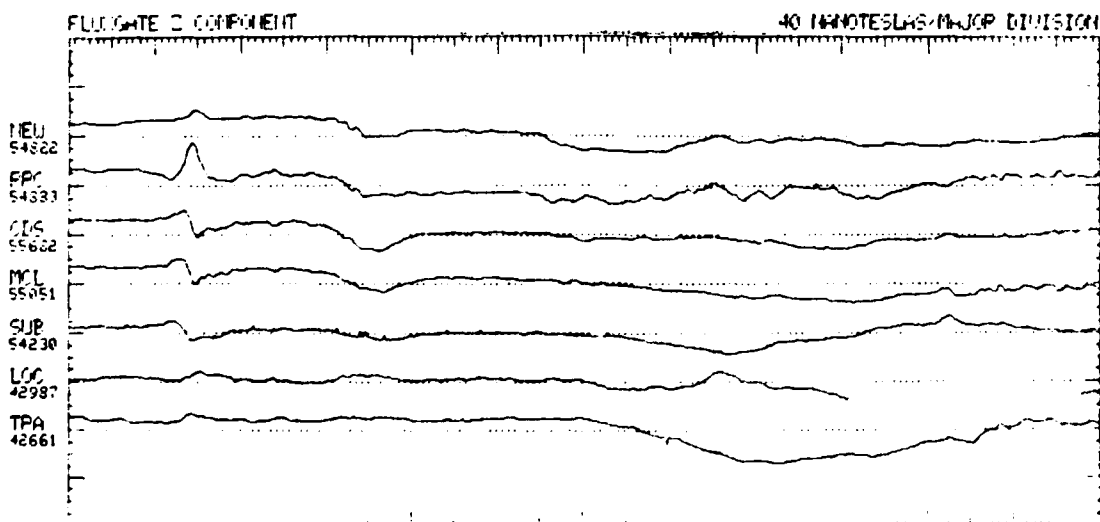
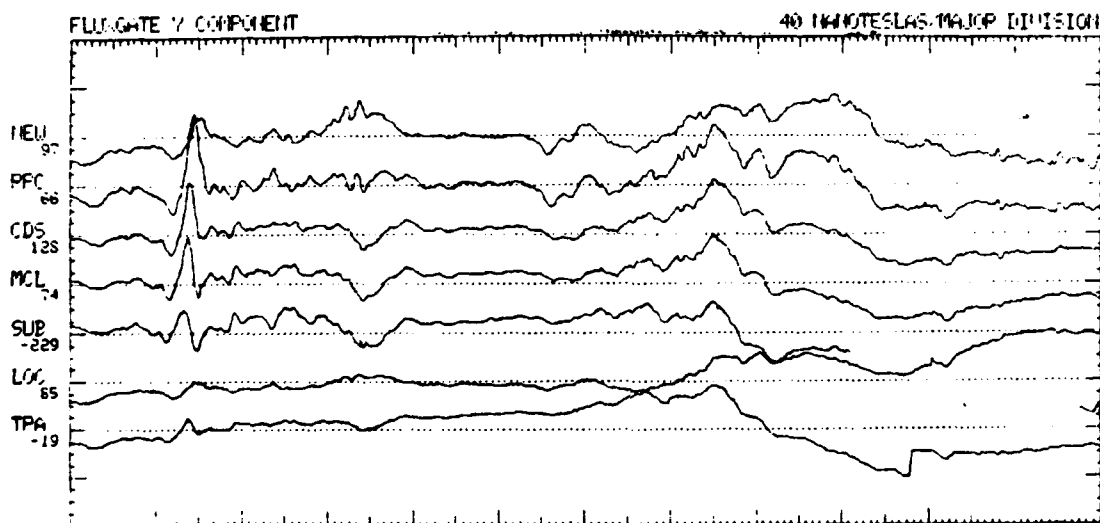
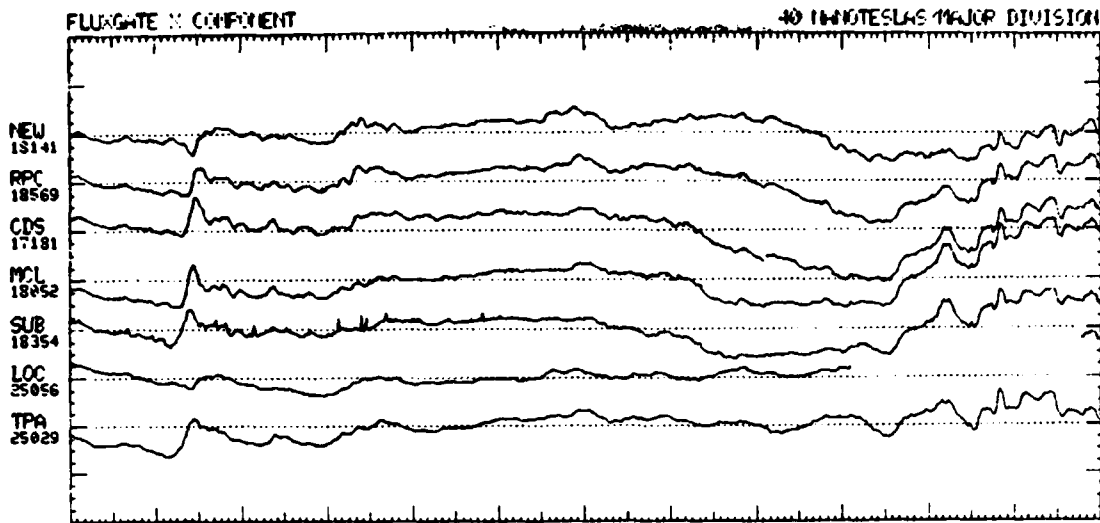


FLIGHTGATE Z COMPONENT 40 NANOTESLAS MAJOR DIVISION

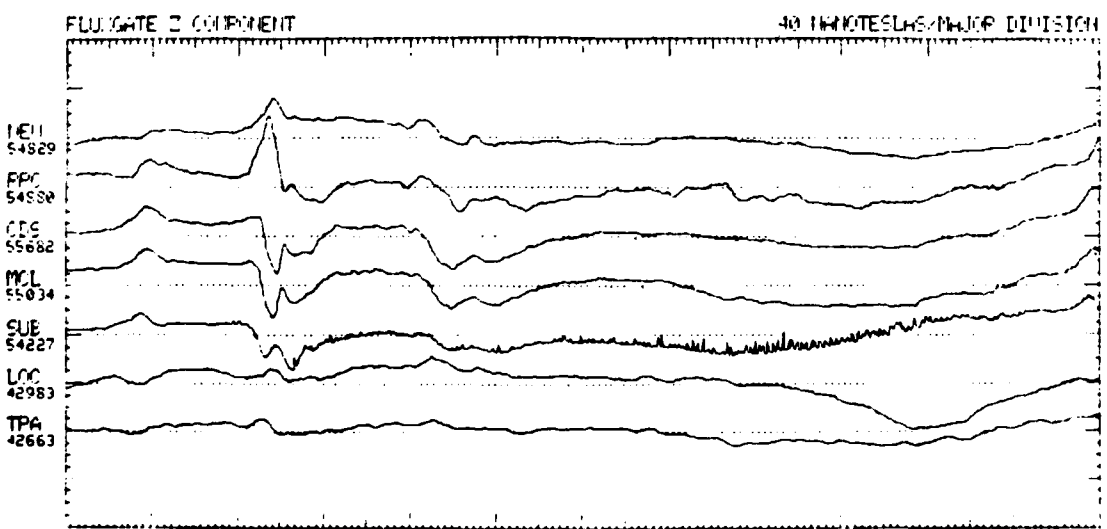
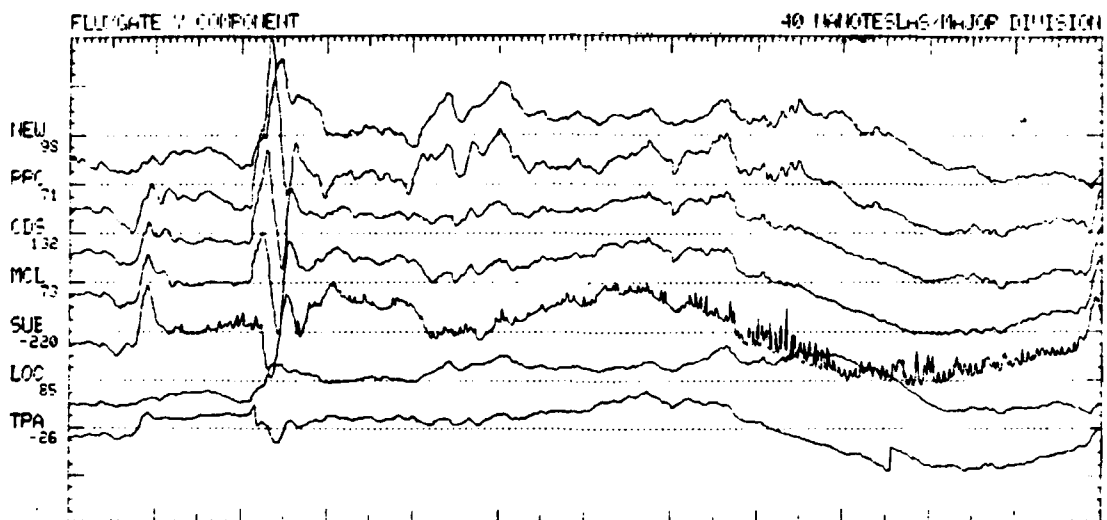
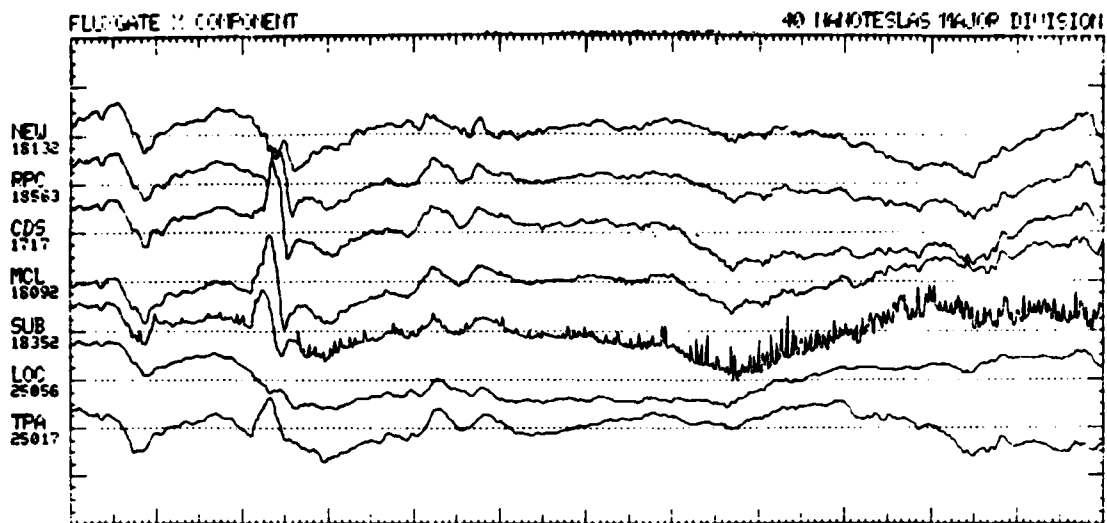


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 12 MAR 73 (DAY 72.071) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

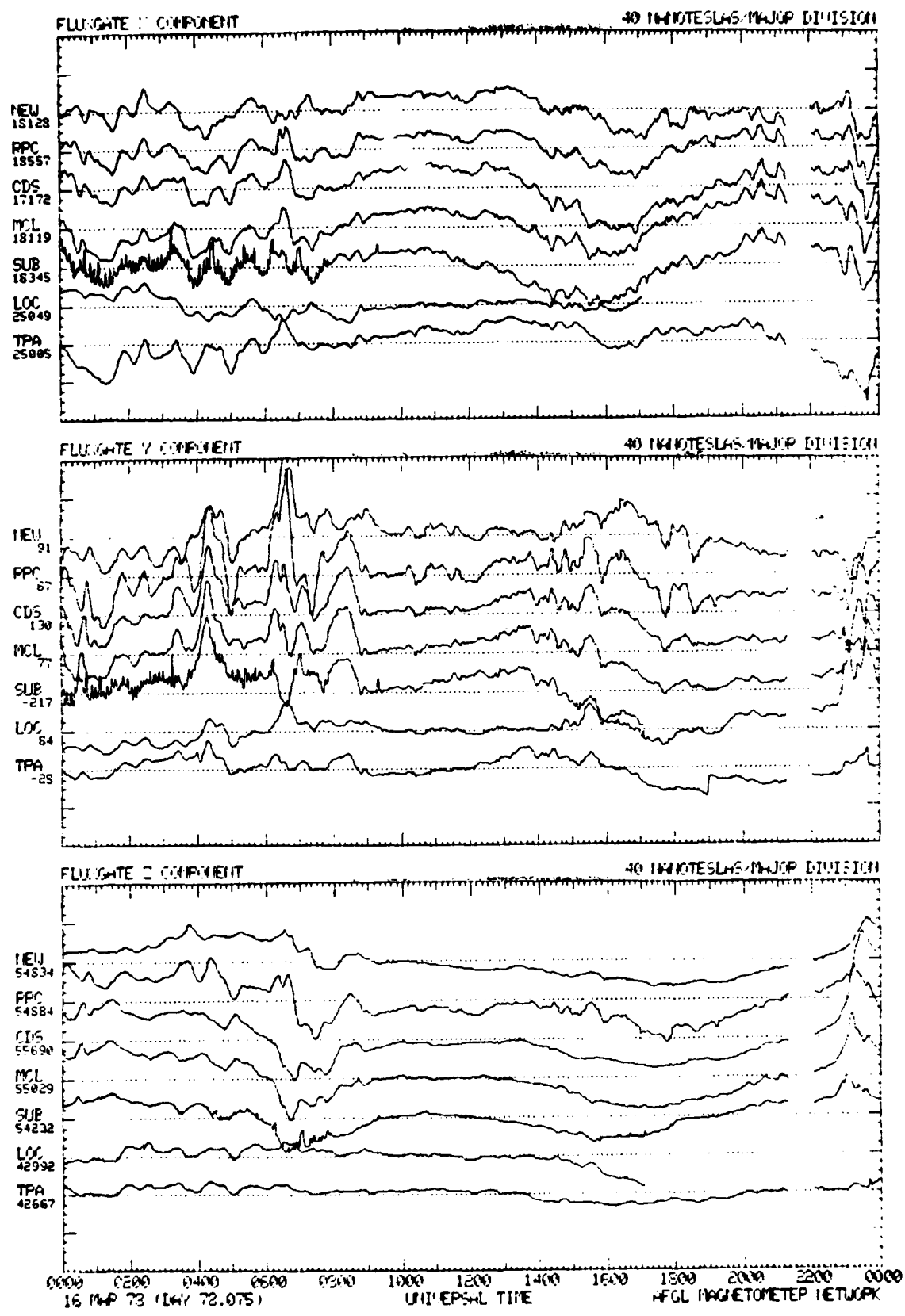




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 14 MAR 73 (DW/ 73.073) UNIVERSAL TIME MAGNETOMETER NETWORK



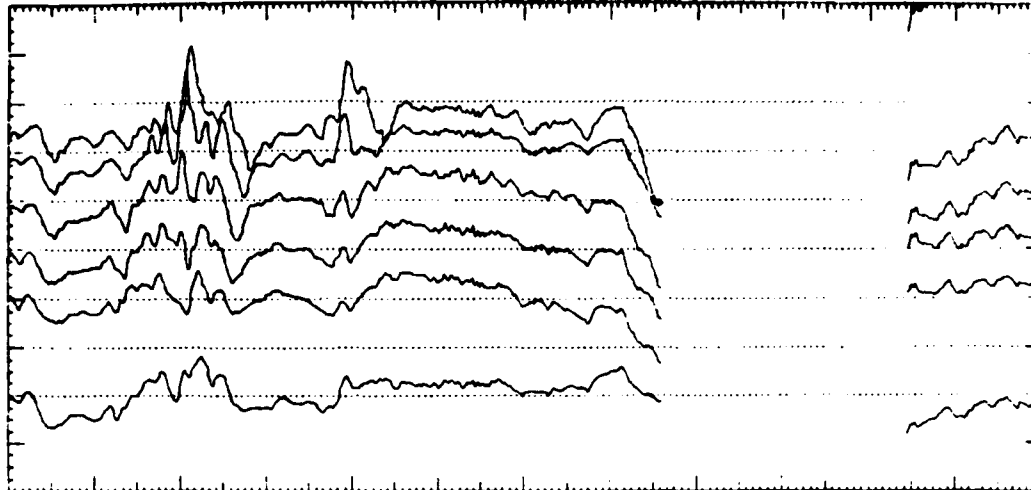
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 15 MAR 72 (DAY 72.074) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUGATE 2 COMPONENT

40 INCHESLAS/INCH DIVISION

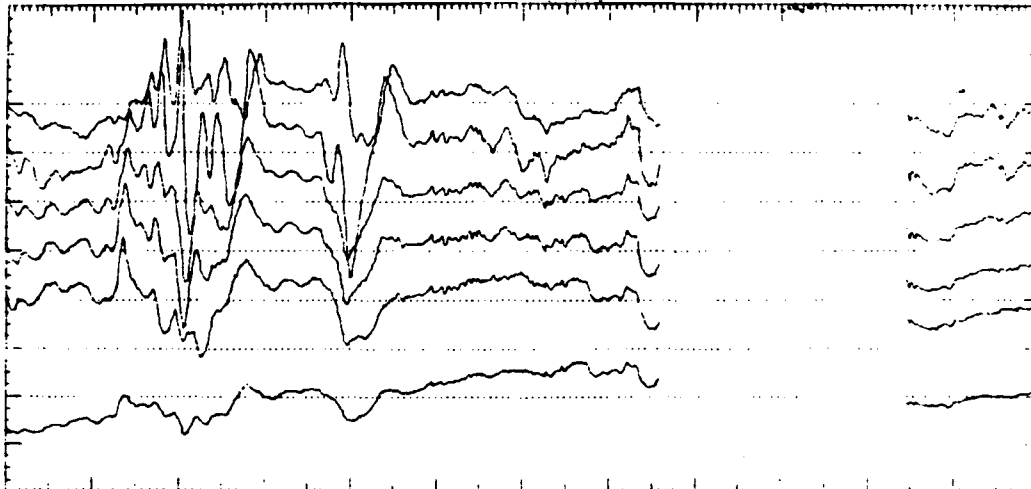
NEU
18145
PPC
18559
CDS
17179
MCL
18131
SUB
18343
LOC
25049
TPA
24990



FLUGATE 2 COMPONENT

40 INCHESLAS/INCH DIVISION

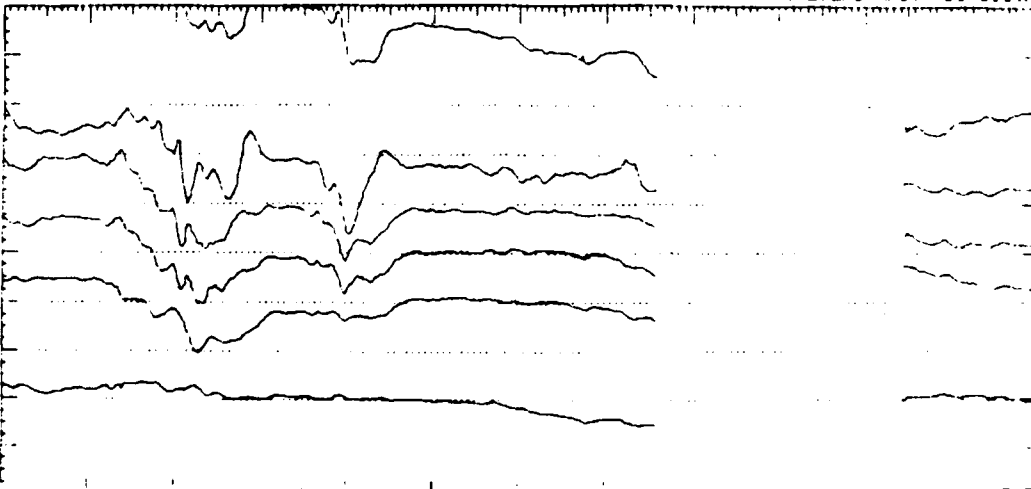
NEU
97
PPC
71
CDS
127
MCL
6
SUB
-219
LOC
34
TPA
-12



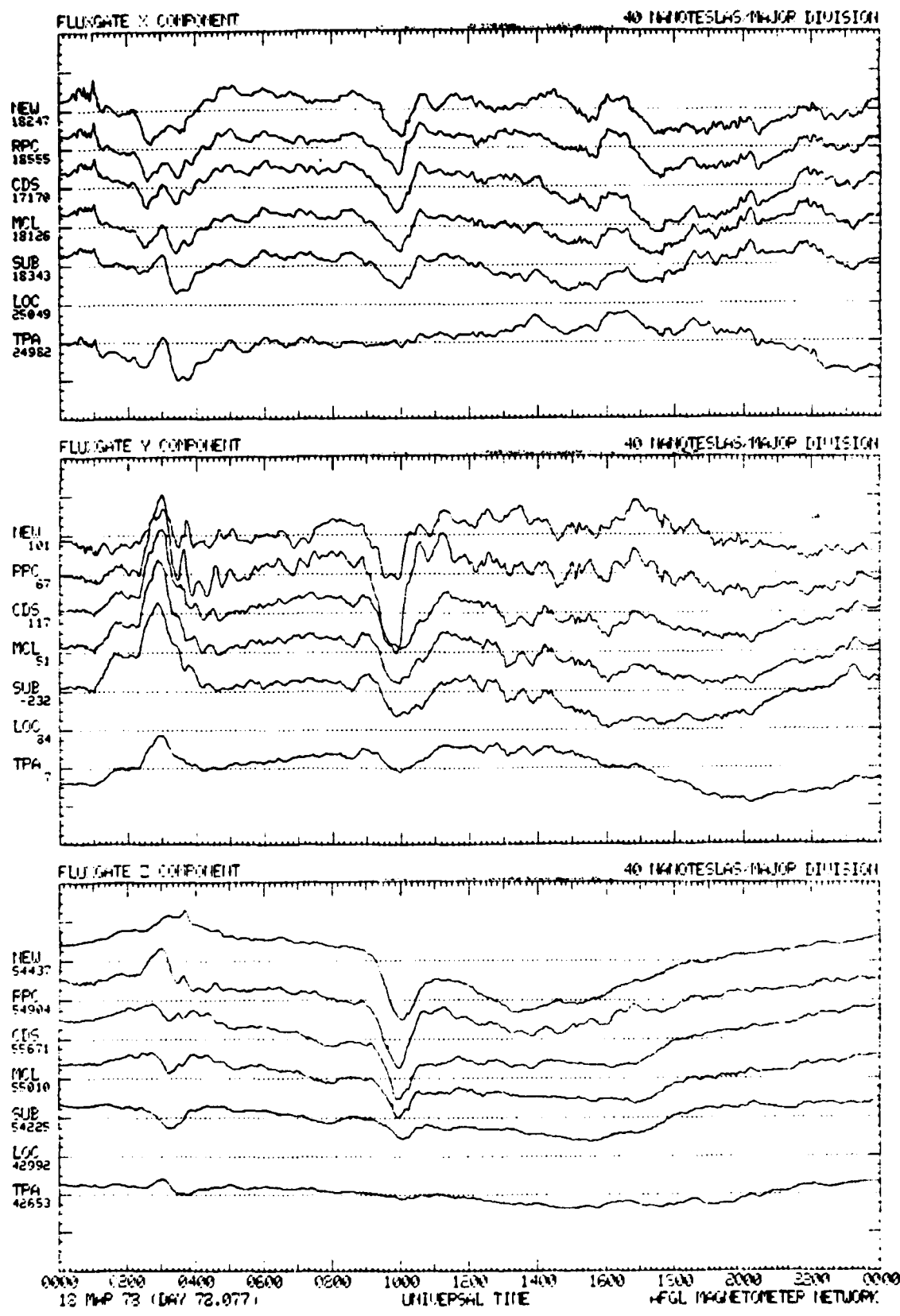
FLUGATE 2 COMPONENT

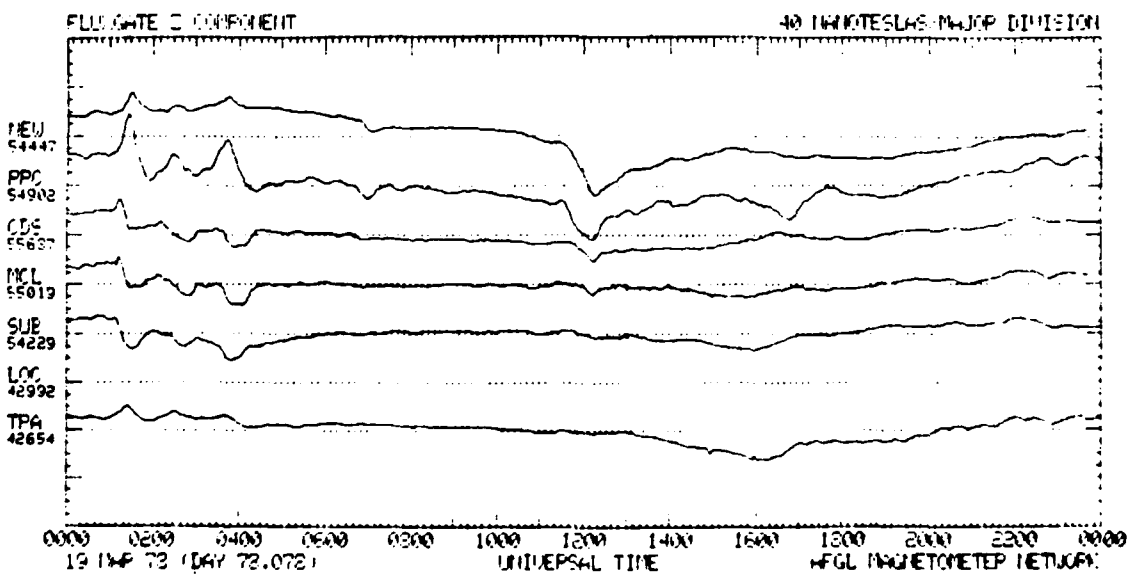
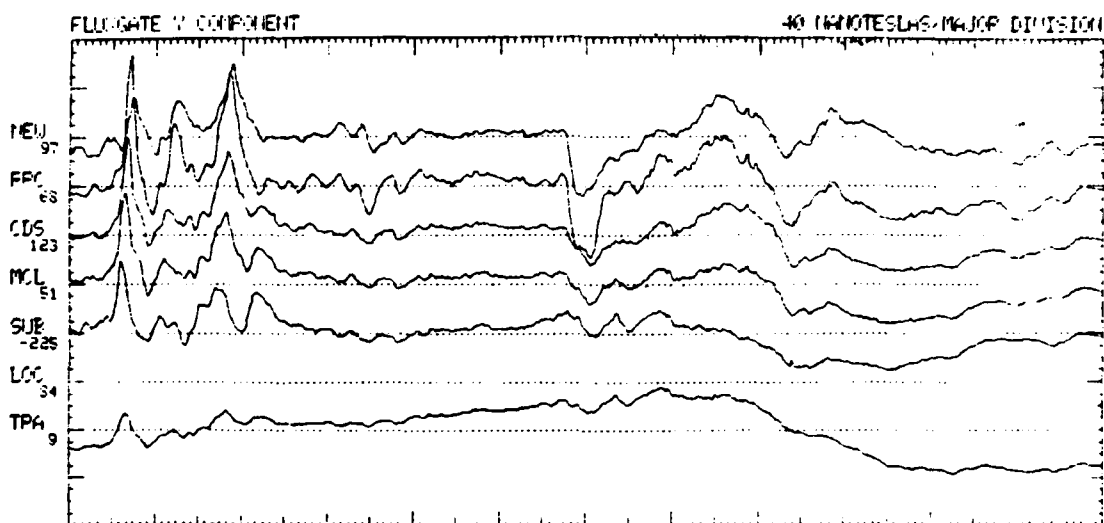
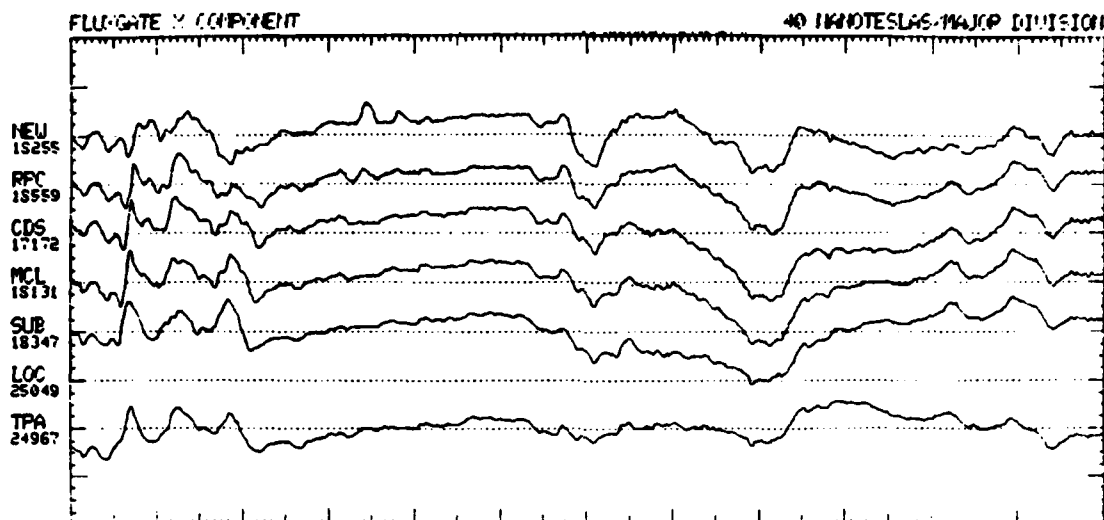
40 INCHESLAS/INCH DIVISION

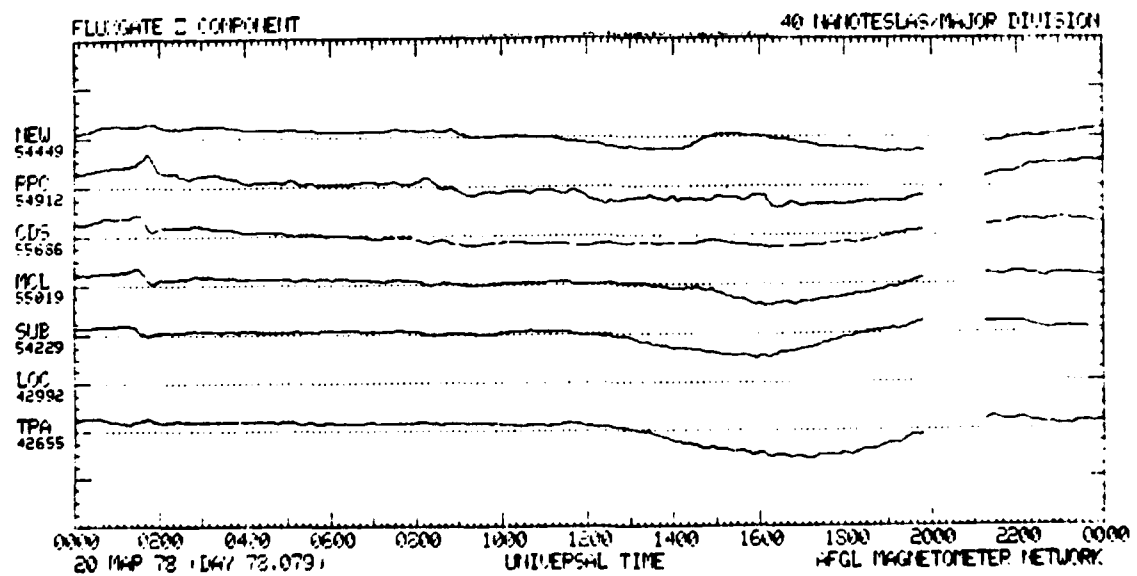
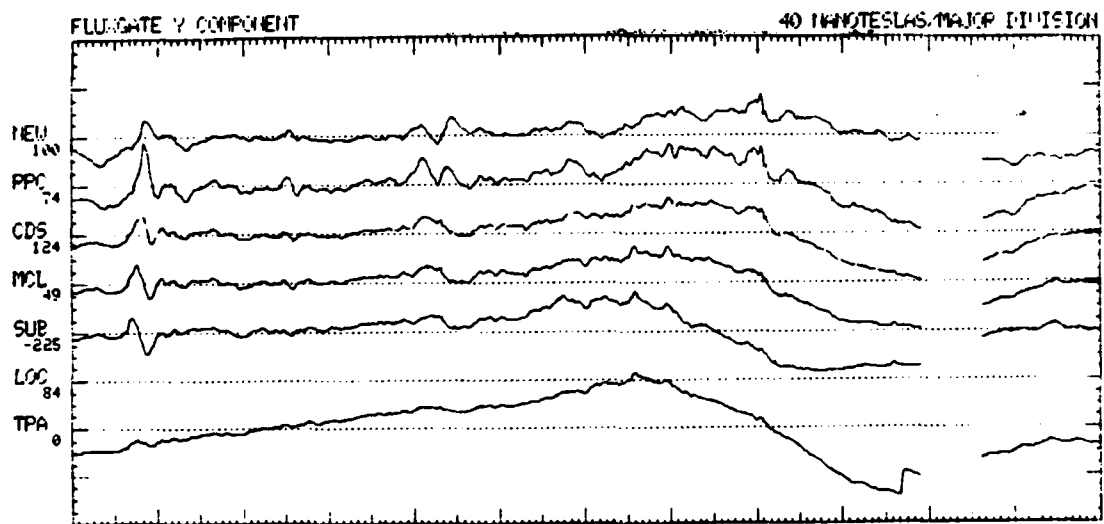
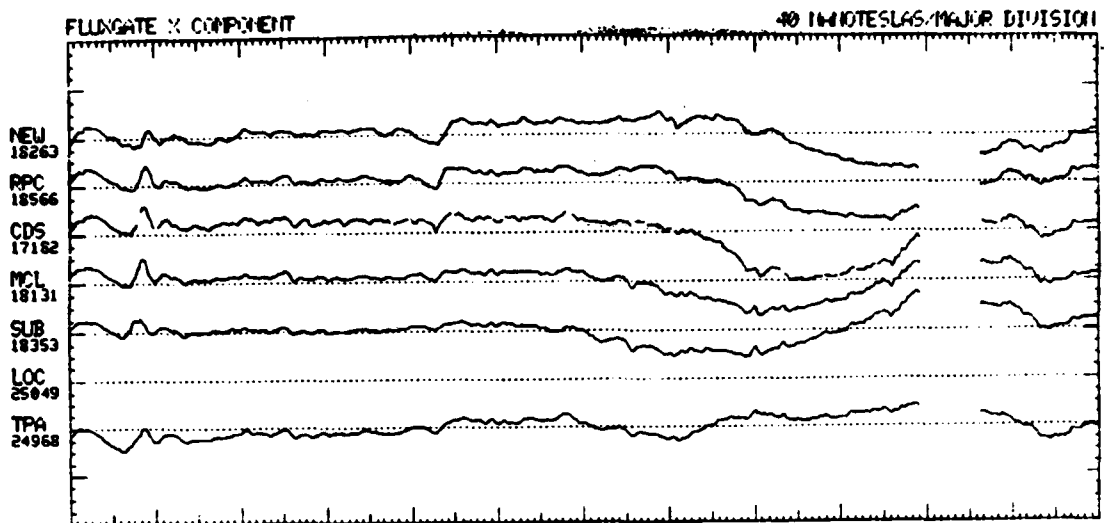
NEU
54769
PPC
54590
CDS
55630
MCL
55021
SUB
54229
LOC
42792
TPA
42666



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
17 MAR 73 (DAY 72.076) UNIVERSAL TIME 40 INCHES/INCH DIVISION



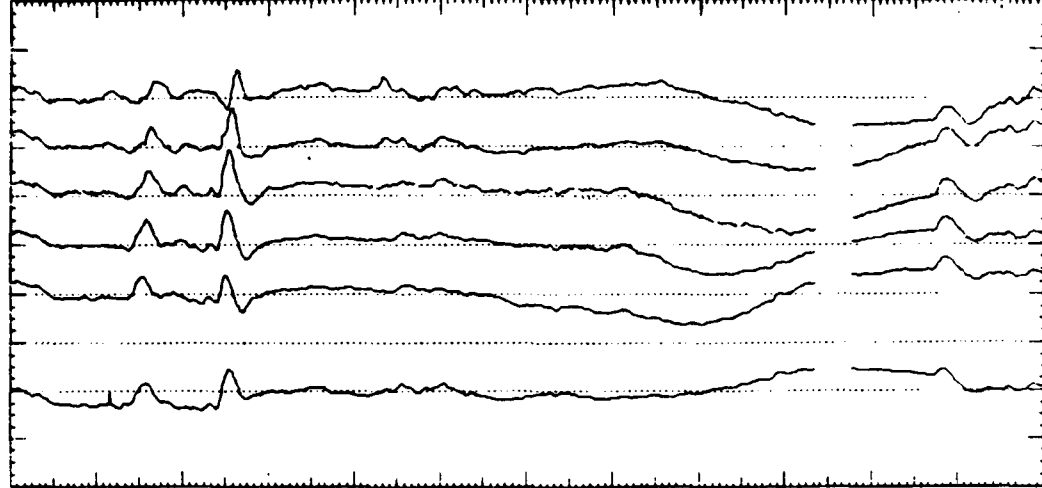




FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

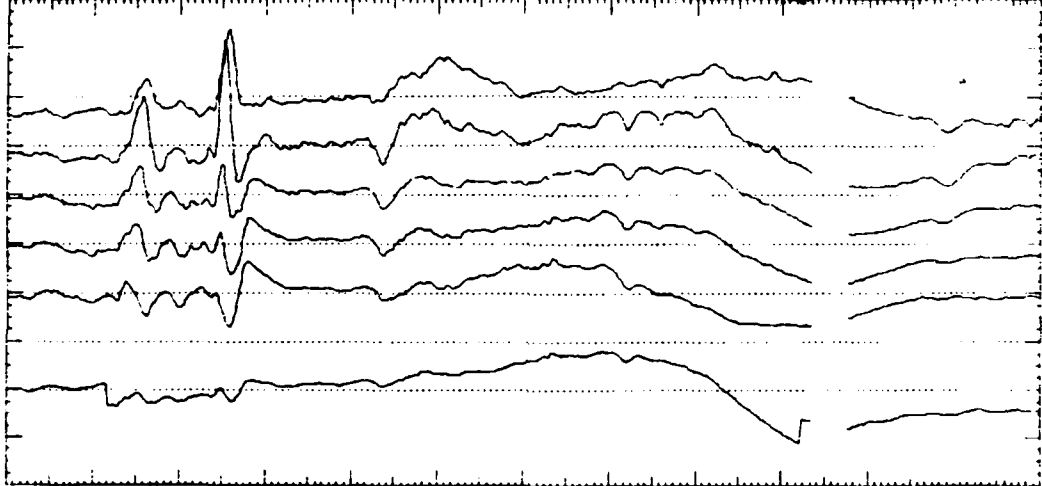
NEU
15262
RPC
13566
CDS
17179
MCL
18126
SUB
18352
LOC
25049
TPA
2496



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

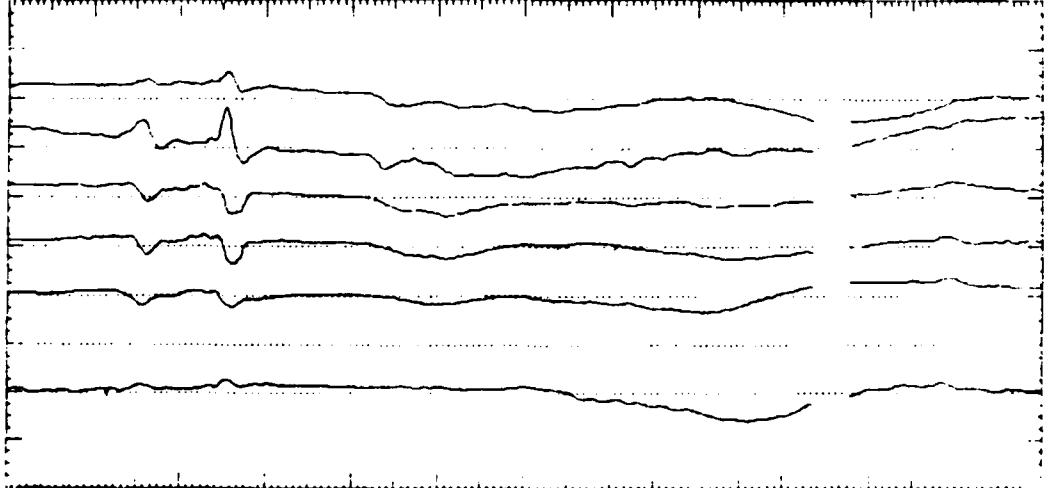
NEU
101
RPC
75
CDS
124
MCL
47
SUB
-223
LOC
34
TPA
-14



FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

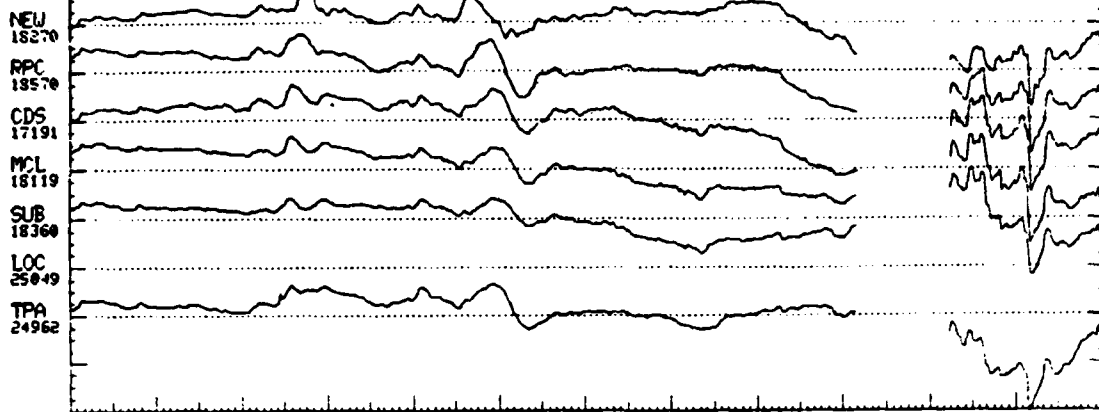
NEU
54448
RPC
54914
CDS
55657
MCL
55020
SUB
54230
LOC
42992
TPA
42659



0600 0800 0400 0500 0200 1000 1200 1400 1600 1800 2000 2200 0000
21 MAR 73 (DAY 72.020) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

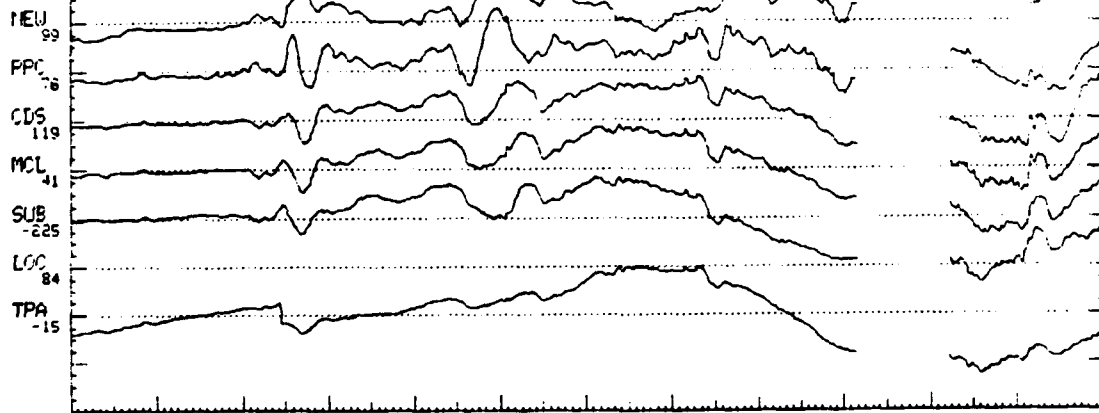
FLIGHTLINE X COMPONENT

40 INWOTESLAS-MAJOR DIVISION



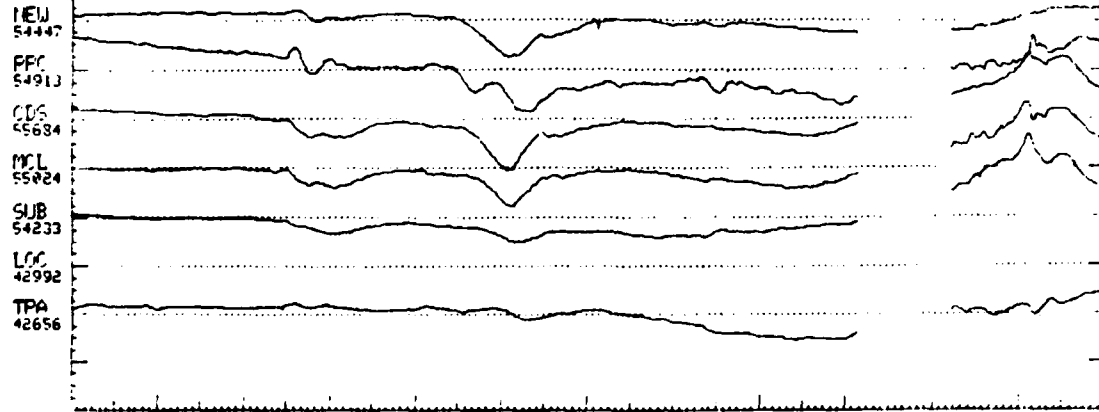
FLIGHTLINE Y COMPONENT

40 INWOTESLAS-MAJOR DIVISION

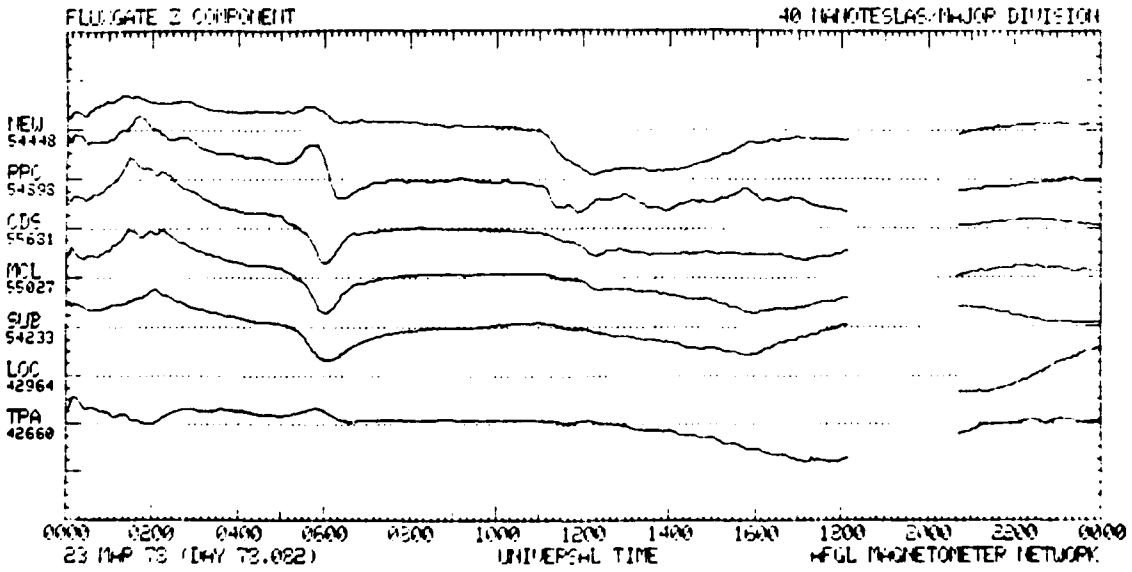
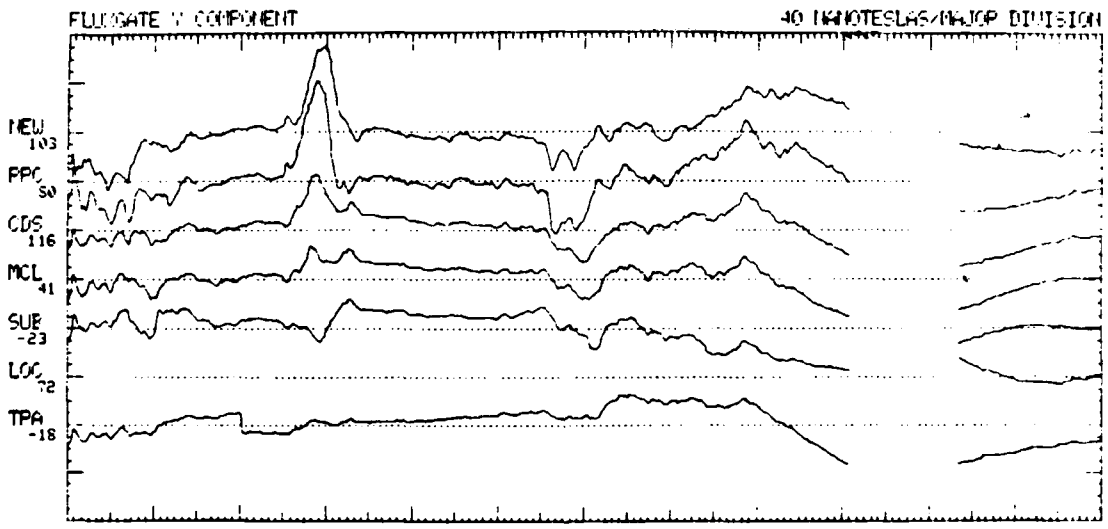
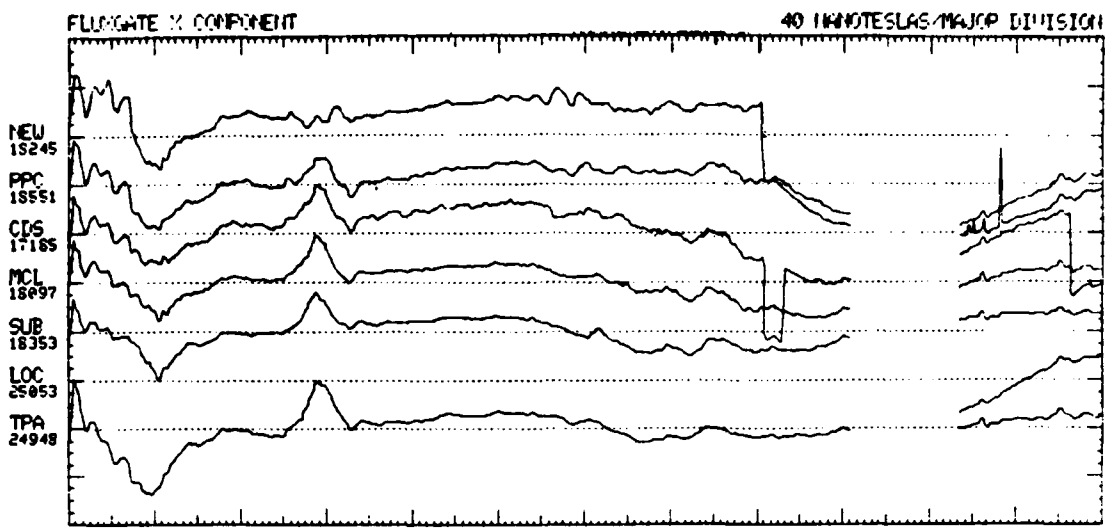


FLIGHTLINE Z COMPONENT

40 INWOTESLAS-MAJOR DIVISION



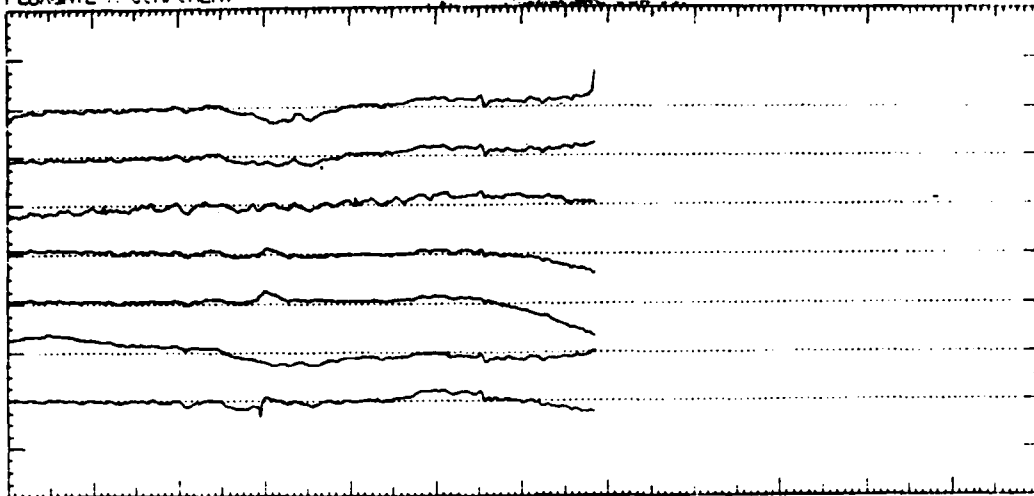
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 22 MAR 78 (DAY 78.021) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

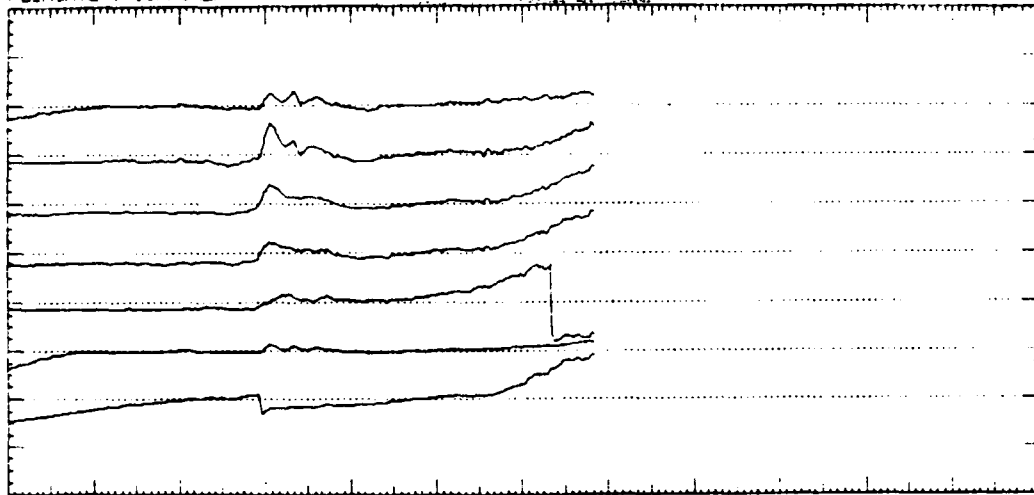
NEW
18209
RPC
18563
CDS
17151
MCL
18104
SUB
18365
LOC
25063
TPA
24956



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

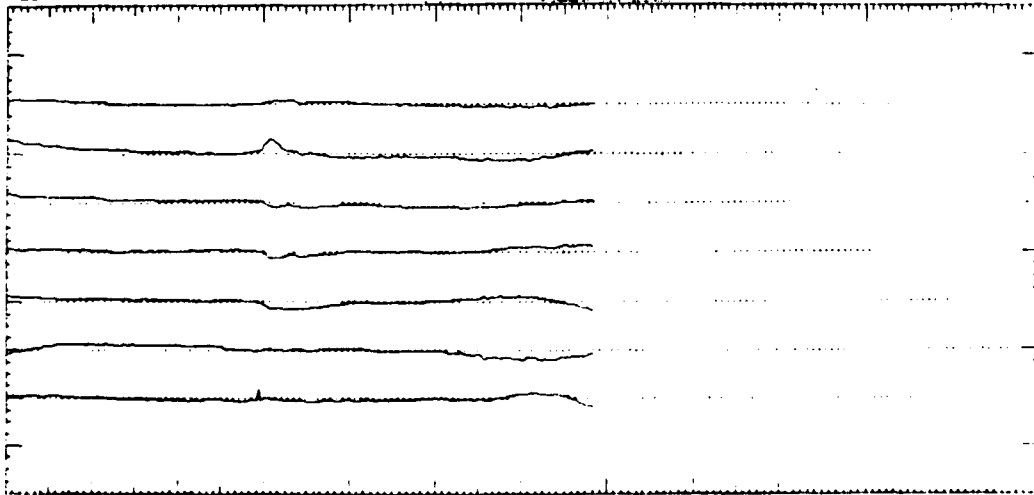
NEW
100
RPC
50
CDS
118
MCL
49
SUB
-226
LOC
89
TPA
-12



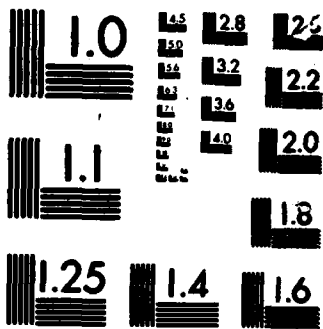
FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54450
RPC
54855
CDS
55677
MCL
55230
SUB
54231
LOC
42998
TPA
42661



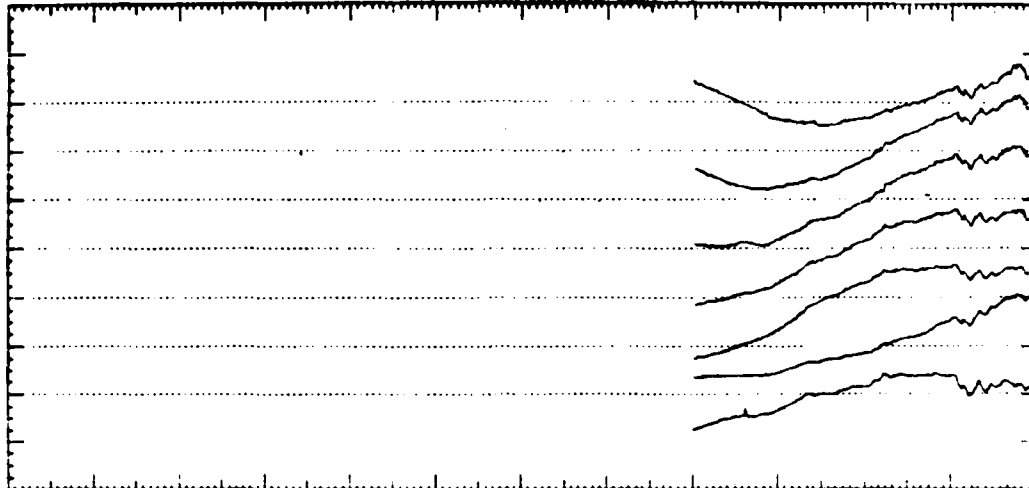
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
24 MAR 73 (147 78.083) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

40 INWITESLAS/MAJOR DIVISION

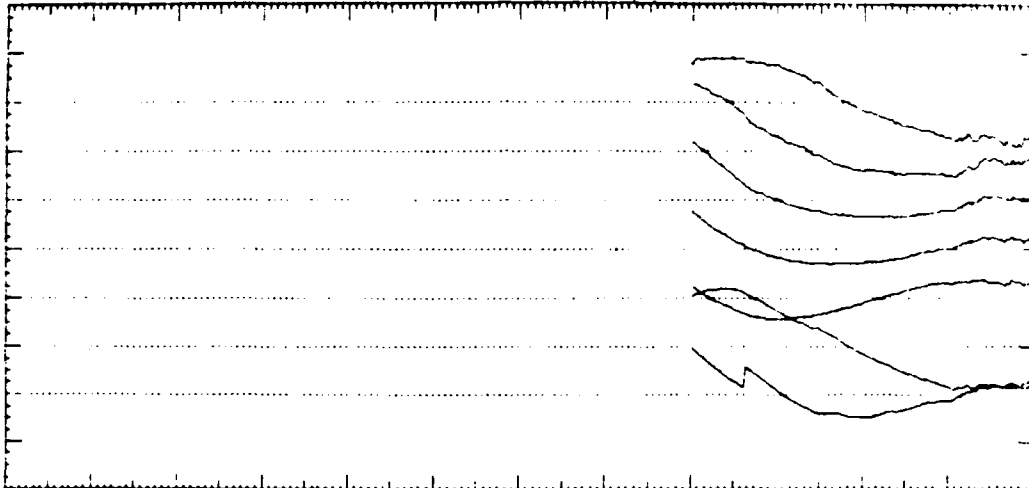
NEU
15259
RPC
18657
CDS
17200
MCL
18098
SUB
18379
LOC
25088
TPA
24980



FLUXGATE Y COMPONENT

40 INWITESLAS/MAJOR DIVISION

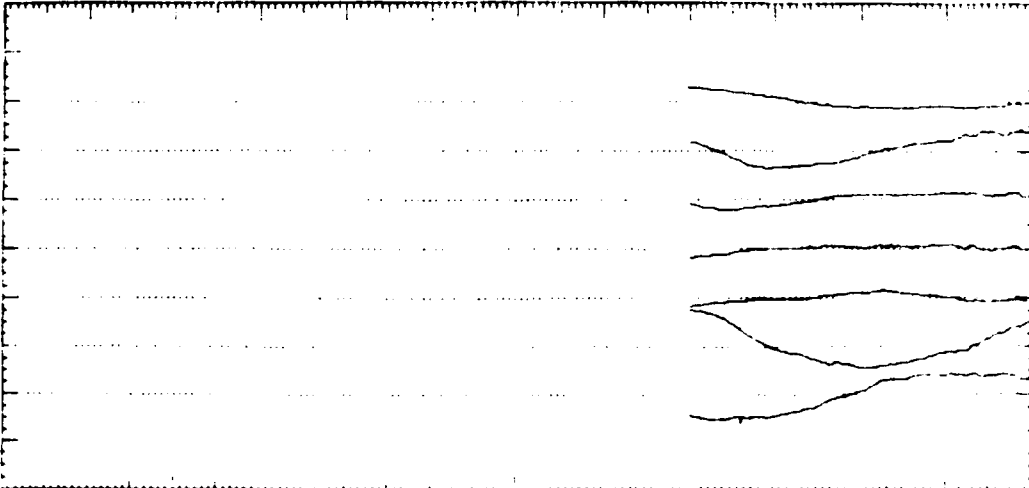
NEU
104
RPC
63
CDS
92
MCL
23
SUB
-250
LOC
92
TPA
-62



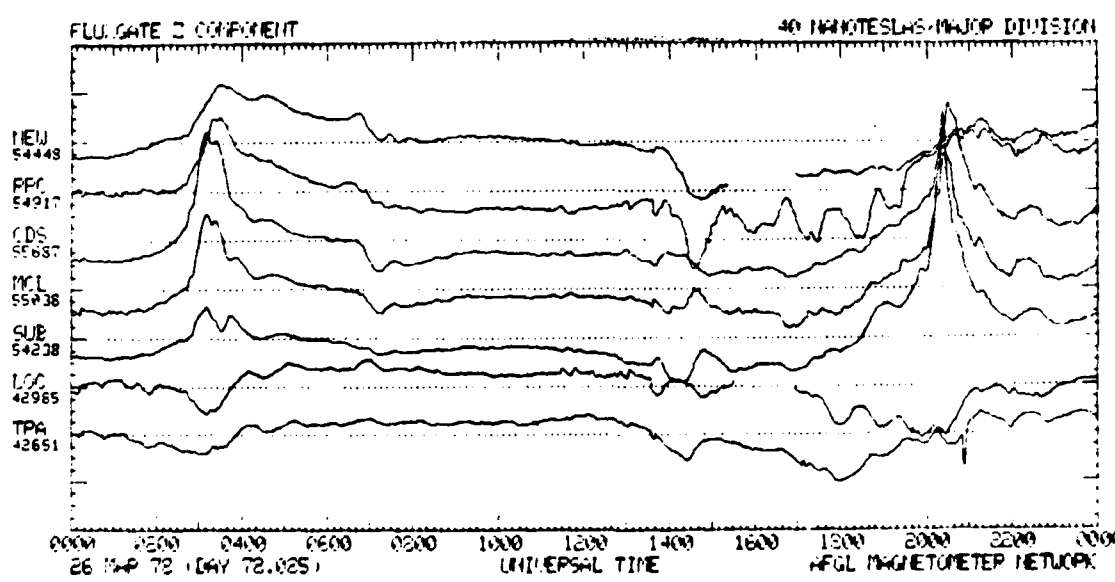
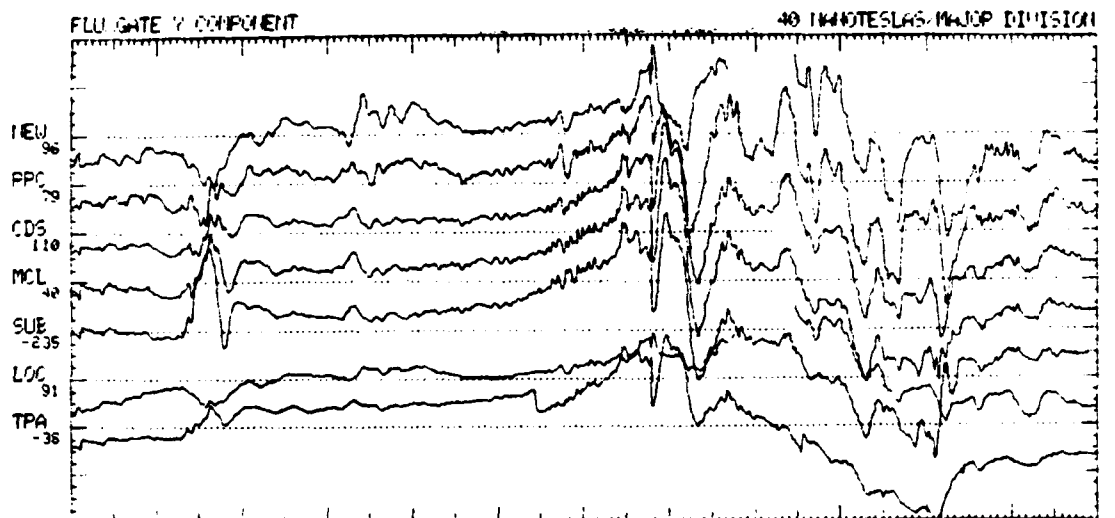
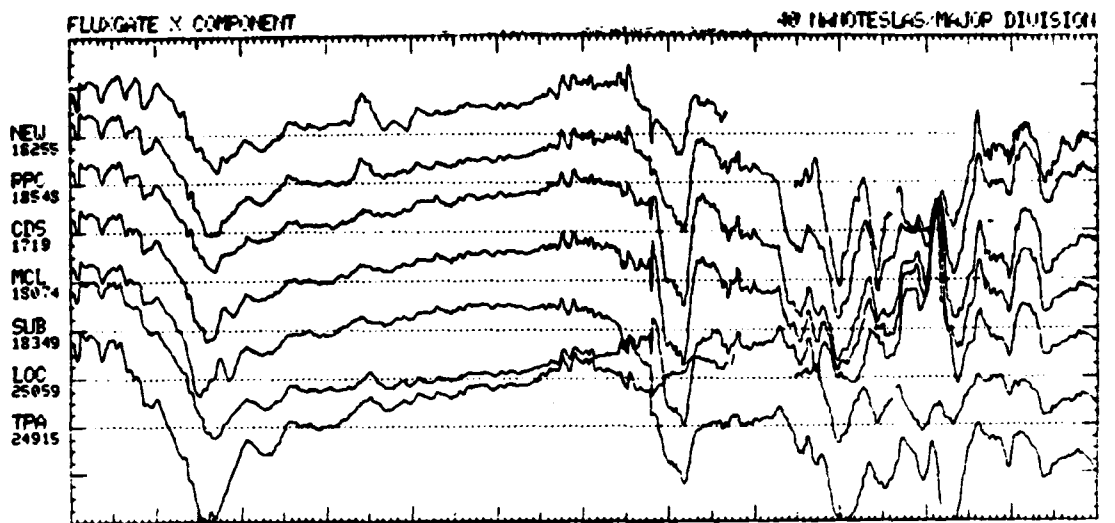
FLUXGATE Z COMPONENT

40 INWITESLAS/MAJOR DIVISION

NEU
54437
RPC
54908
CDS
55668
MCL
55021
SUB
54226
LOC
42960
TPA
42638



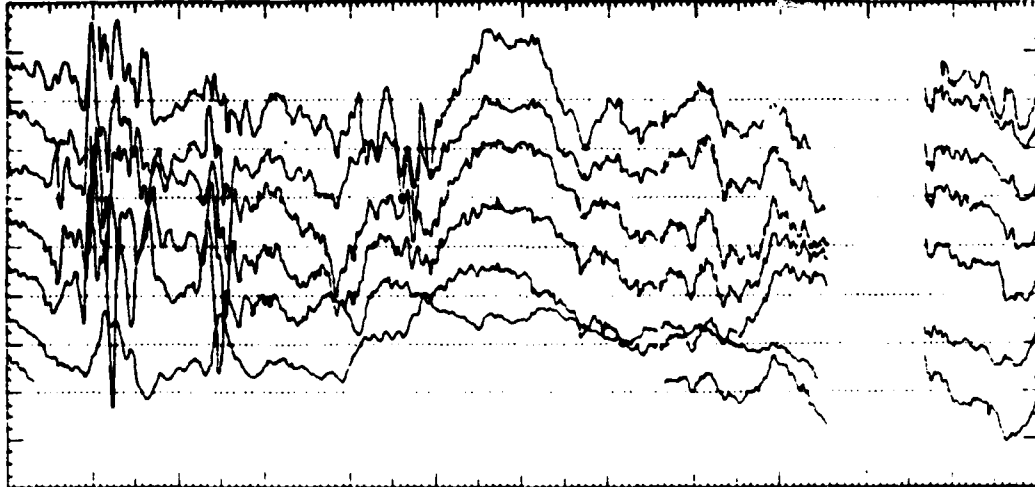
0600 0200 0400 0600 0200 1000 1200 1400 1600 1800 2000 2200 0000
25 MAY 72 (DAY 78.024) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK



FLUGATE 2 COMPONENT

40 INKOTESL-6 INKOP DIVISION

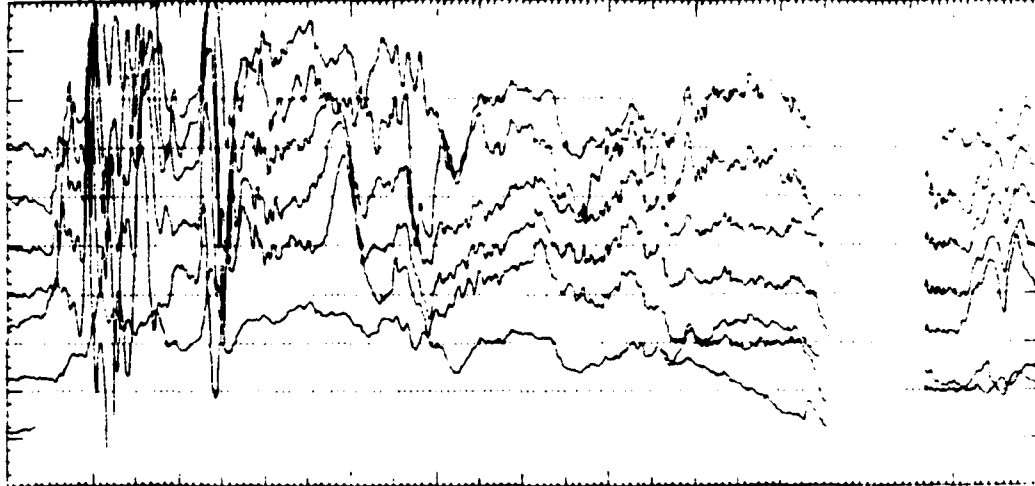
NEW 18214
PPC 15518
CDS 17159
MCL 15040
SUB 18313
LOC 25013
TPA 24841



FLUGATE 2 COMPONENT

40 INKOTESL-6 INKOP DIVISION

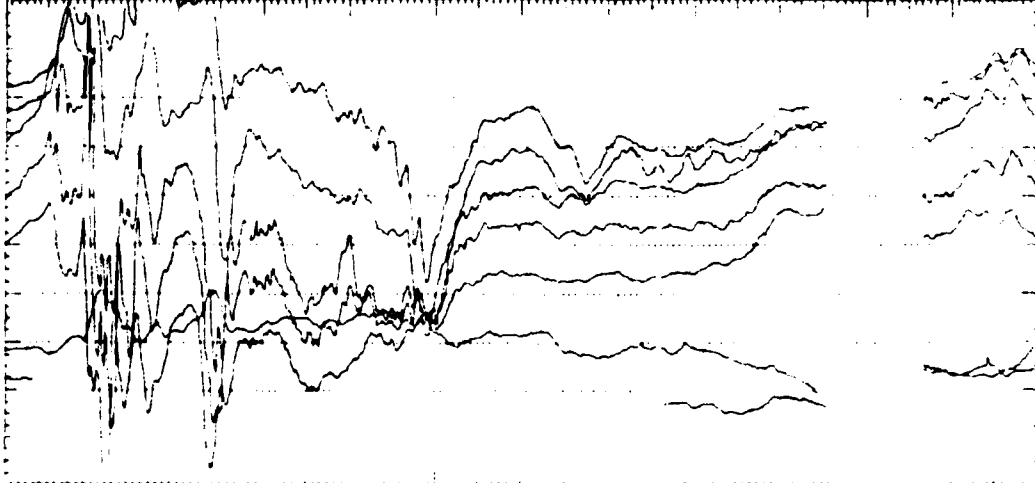
NEW 110
PPC 34
CDS 123
MCL 51
SUB -229
LOC 36
TPA -30



FLUGATE 2 COMPONENT

40 INKOTESL-6 INKOP DIVISION

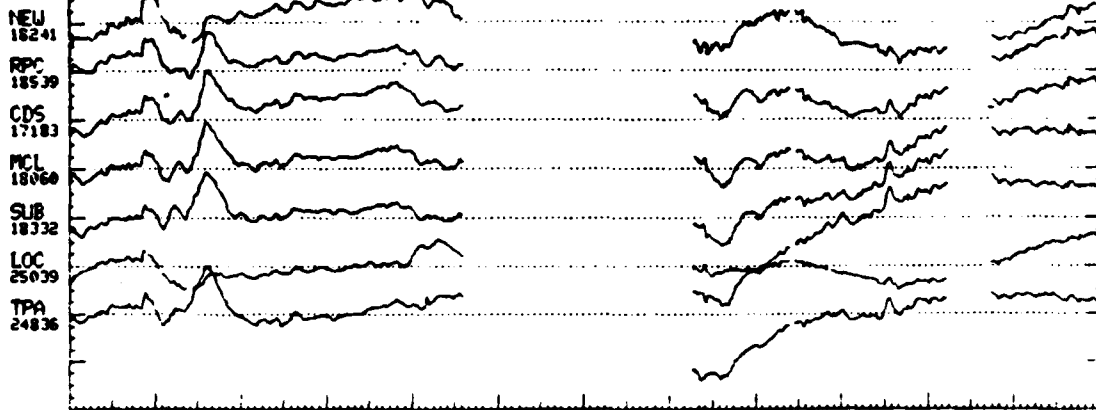
NEW 54456
PPC 54300
CDS 55662
MCL 55020
SUB 54216
LOC 42995
TPA 42653



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
27 MAR 72 (DAY 72.066) ▶ UNIVERSAL TIME HGL INKOP/METER NETWORK

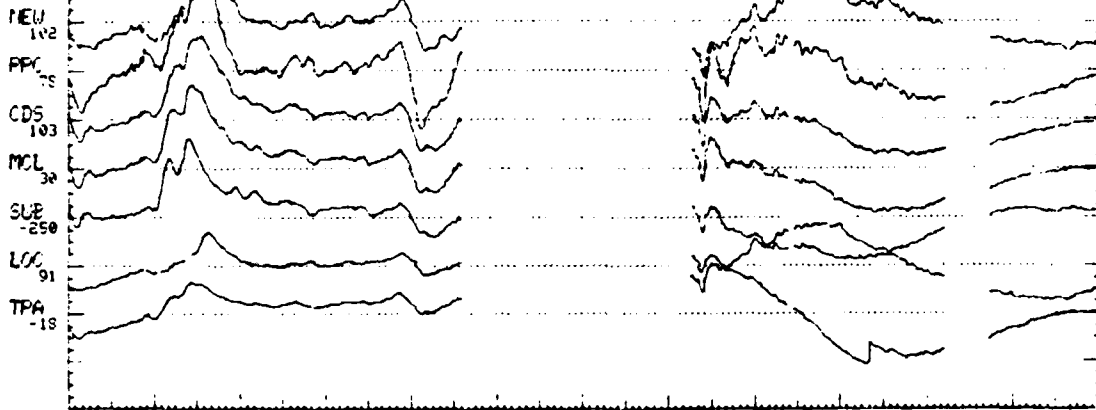
FLIGHTLINE X COMPONENT

40 NANOTESLAH-MAGNETIC DIVISION



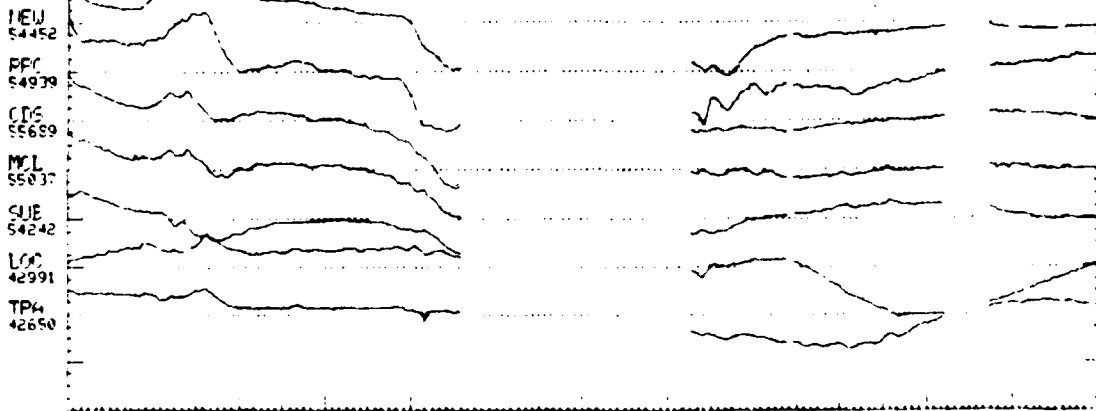
FLIGHTLINE Y COMPONENT

40 NANOTESLAH-MAGNETIC DIVISION



FLIGHTLINE Z COMPONENT

40 NANOTESLAH-MAGNETIC DIVISION

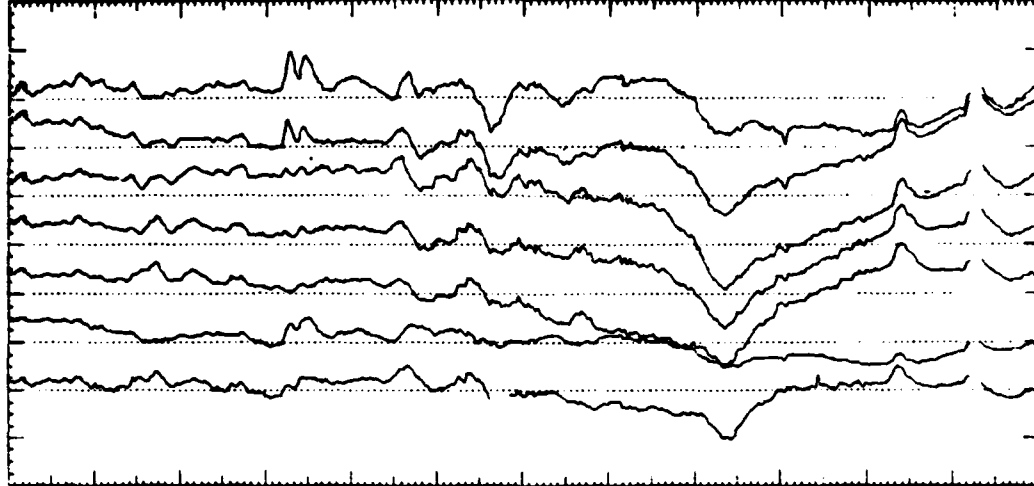


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 23 MAR 73 (147 73.087) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLURGATE X COMPONENT

40 INWOTESLAS-MAJOR DIVISION

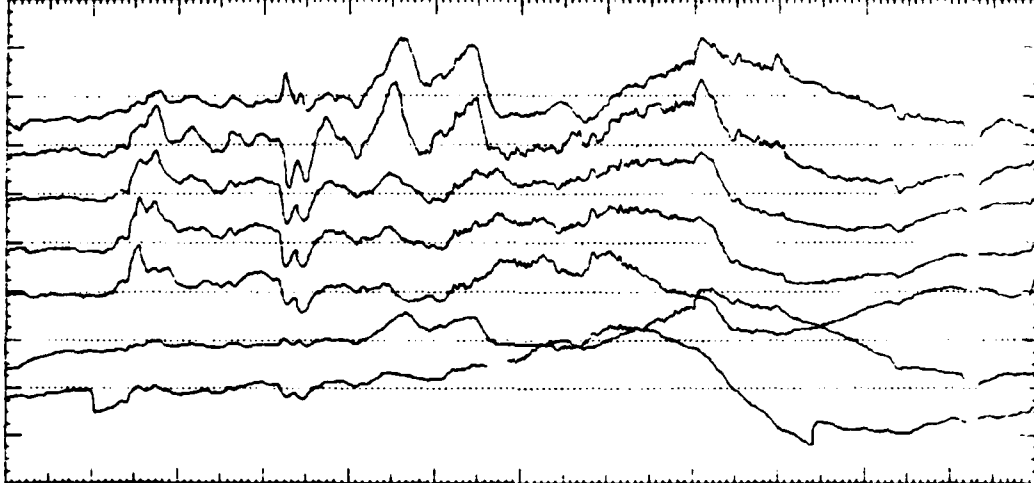
NEU
15256
RPC
15550
CDS
17206
MCL
18971
SUB
18341
LOC
25047
TPA
24839



FLURGATE Y COMPONENT

40 INWOTESLAS-MAJOR DIVISION

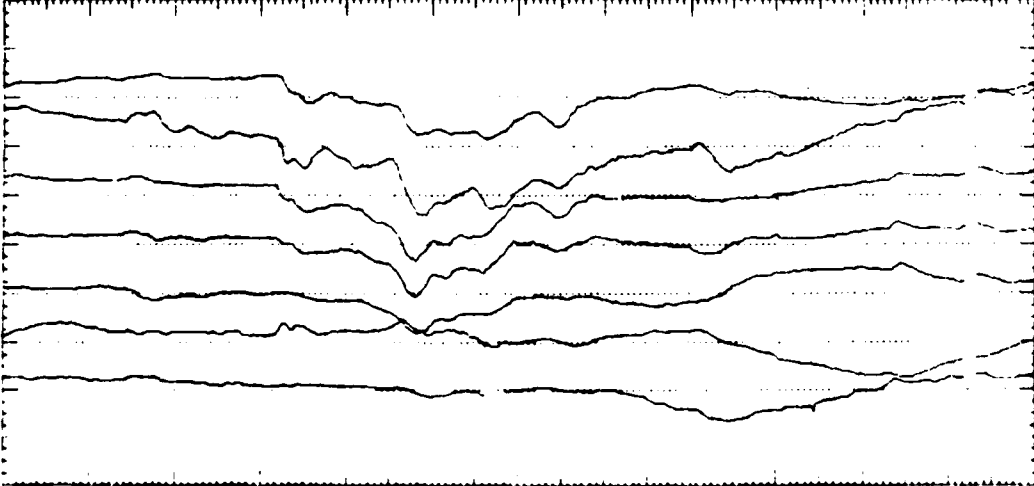
NEU
105
RPC
82
CDS
106
MCL
36
SUB
-242
LOC
95
TPA
-9



FLURGATE Z COMPONENT

40 INWOTESLAS-MAJOR DIVISION

NEU
54441
RPC
54920
CDS
55674
MCL
55030
SUB
54236
LOC
42938
TPA
42647

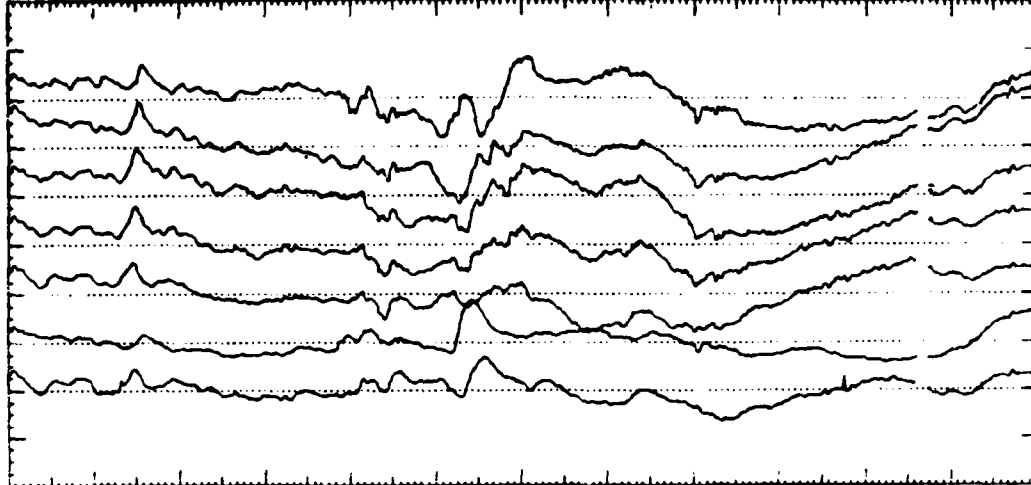


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
29 MAR 72 (147 73.083) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

40 GAUSSES/MAJOR DIVISION

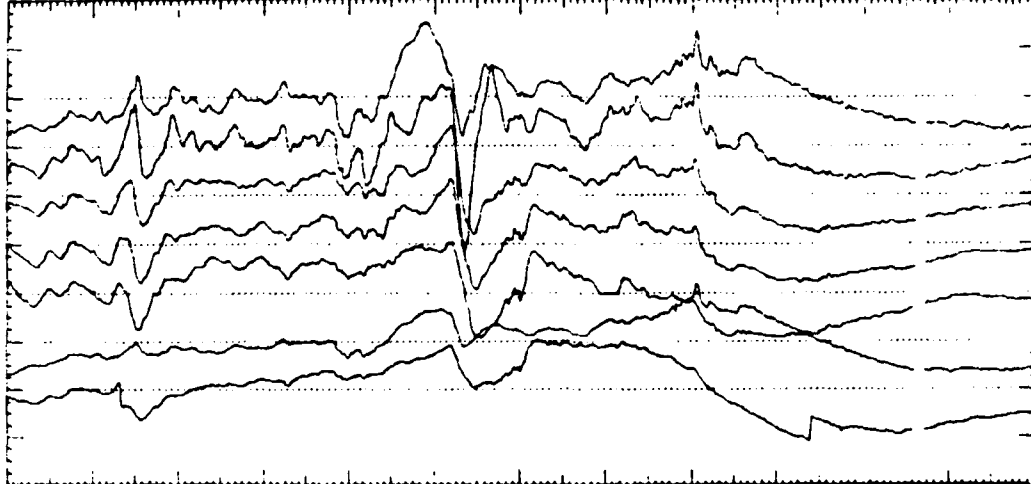
NEU 18246
RPC 18554
CDS 17201
MCL 13062
SUB 18336
LOC 25033
TPA 24827



FLUXGATE Y COMPONENT

40 GAUSSES/MAJOR DIVISION

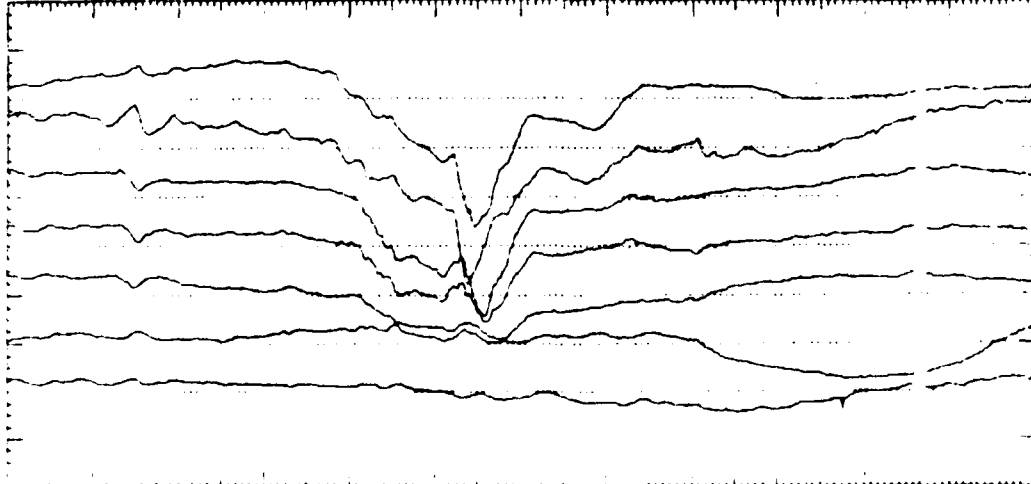
NEU 107
RPC 90
CDS 114
MCL 44
SUE -235
LOC 96
TPA -15



FLUXGATE Z COMPONENT

40 GAUSSES/MAJOR DIVISION

NEU 54445
RPC 54942
CDS 55673
MCL 55027
SUE 54229
LOC 42926
TPA 42650

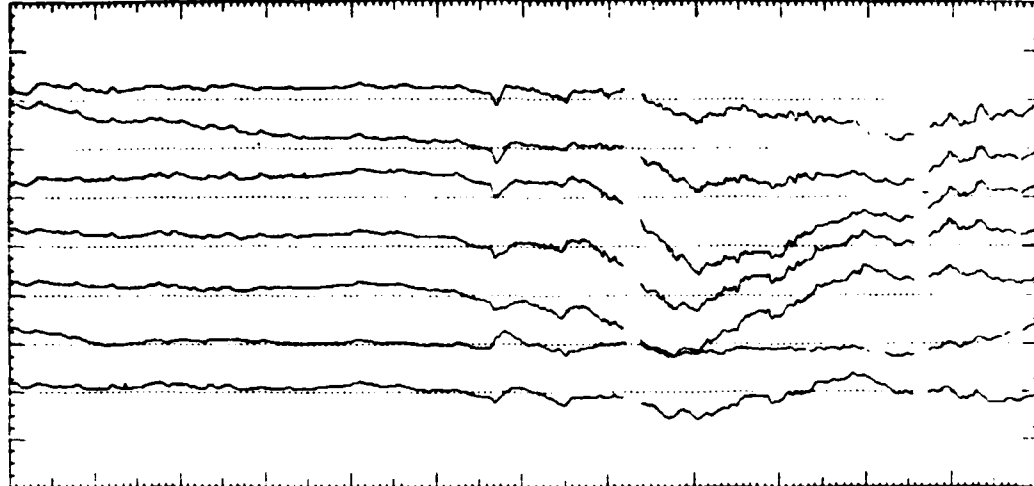


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
20 MAR 73 (DAY 72.009) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

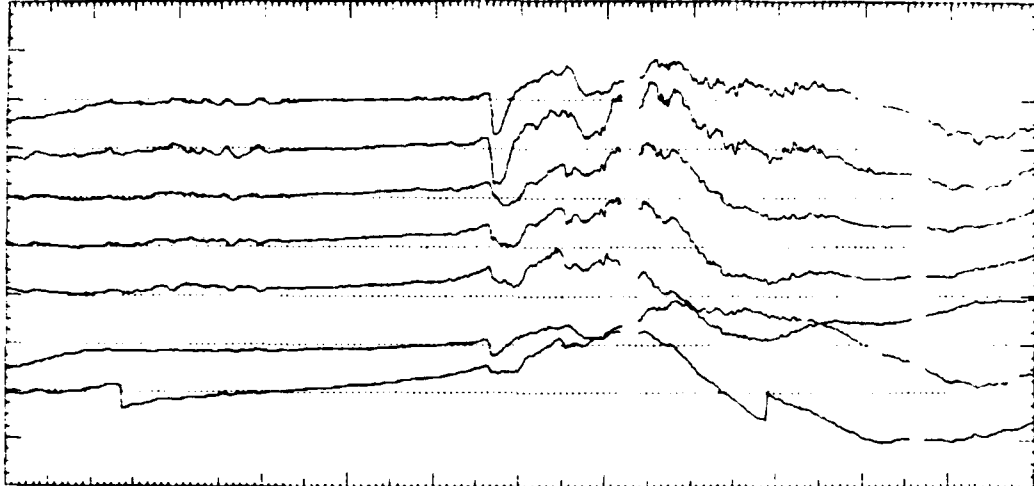
NEU
15261
RPC
15566
CDS
17213
MCL
18074
SUB
18346
LOC
25045
TPA
24832



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

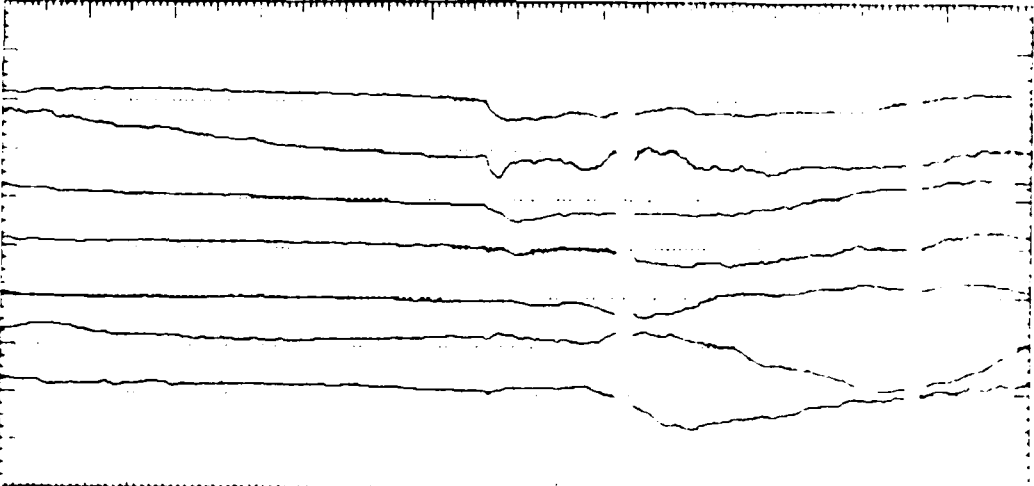
NEU
101
RPC
59
CDS
107
MCL
37
SUB
-245
LOC
95
TPA
-33



FLIGHTLINE D COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54448
RPC
54949
CDS
55651
MCL
55031
SUB
54237
LOC
42937
TPA
42647

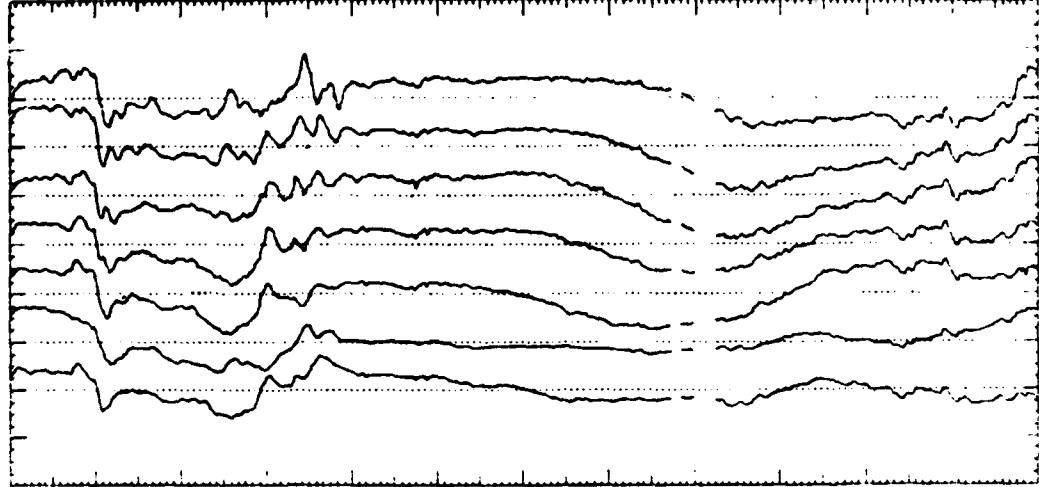


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21 MAR 73 (DAY 73.030) UNIVERSAL TIME HULL MAGNETOMETER NETWORK

FLIGHTLINE COMPONENT

40 INCHES/CM DIVISION

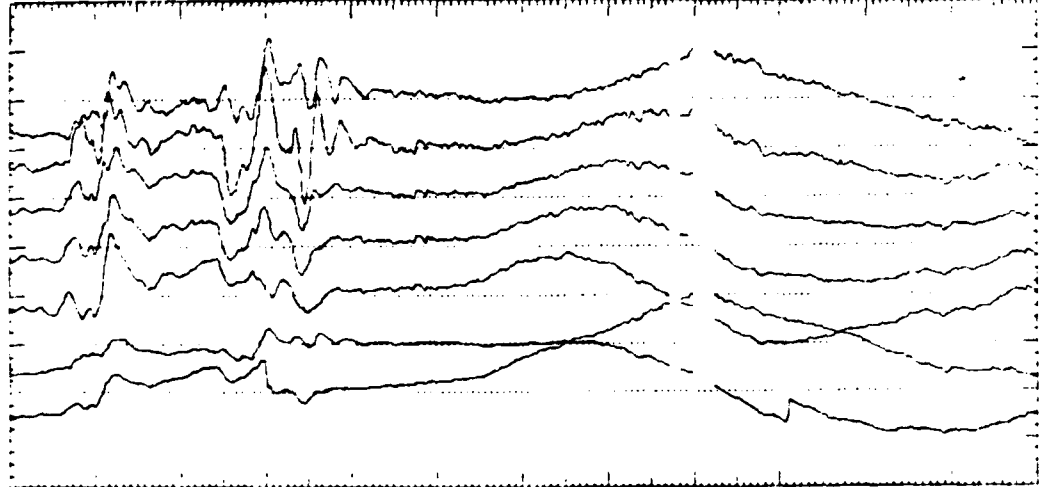
NEU
18255
PPC
18541
CDS
17220
MCL
18977
SUB
18345
LOC
25038
TPA
24817



FLIGHTLINE COMPONENT

40 INCHES/CM DIVISION

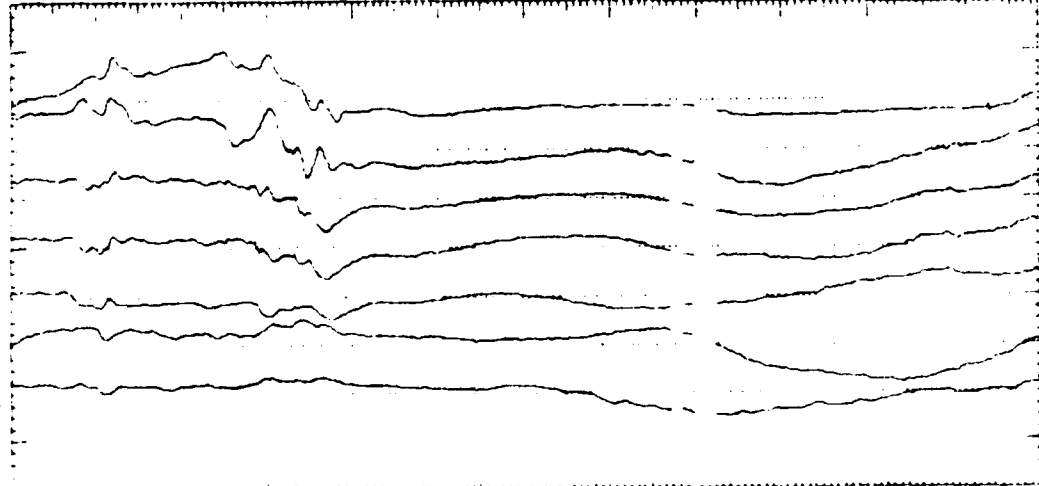
NEU
101
PPC
59
CEE
11
MCL
43
SUB
234
LOC
9
TPA
35



FLIGHTLINE COMPONENT

40 INCHES/CM DIVISION

NEU
54466
PPC
54302
CEE
55632
MCL
55034
SUB
54207
LOC
42987
TPA
43649

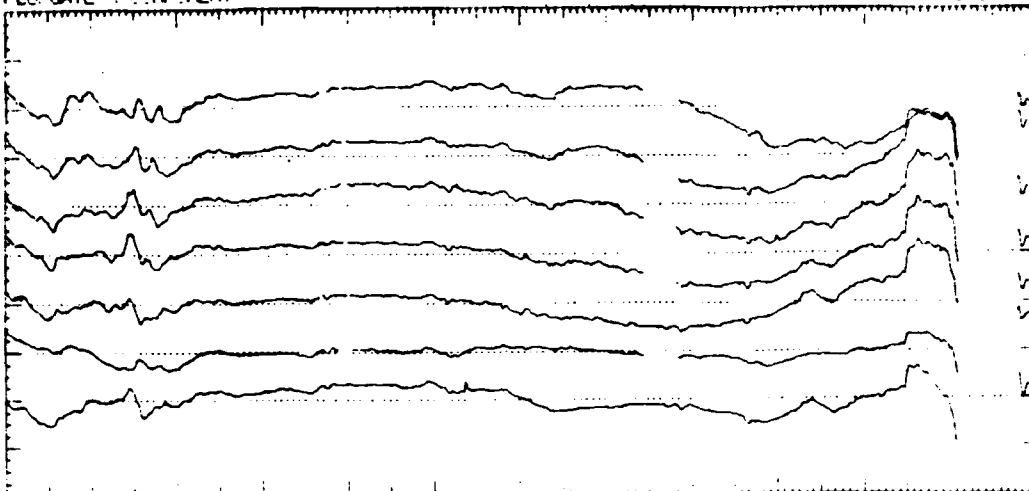


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01 APR 78 (047 78.091) UNIVERSAL TIME WGL MAGNETOMETER NETWORK

FLIGHT 1 COMPONENT

40 INCHES/MAJOR DIVISION

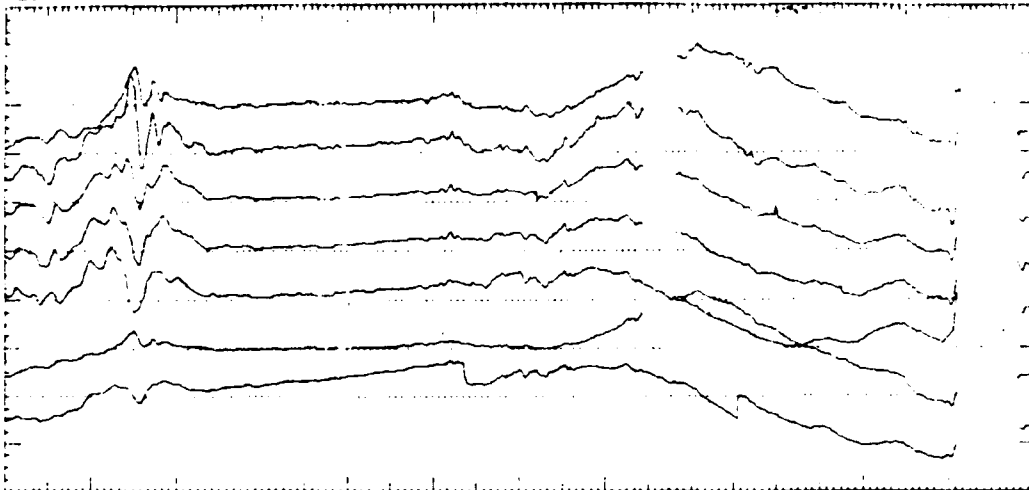
NEU
15259
PPC
13543
CIS
17237
MCL
15072
SUB
15352
LOC
25044
TPA
24807



FLIGHT 2 COMPONENT

40 INCHES/MAJOR DIVISION

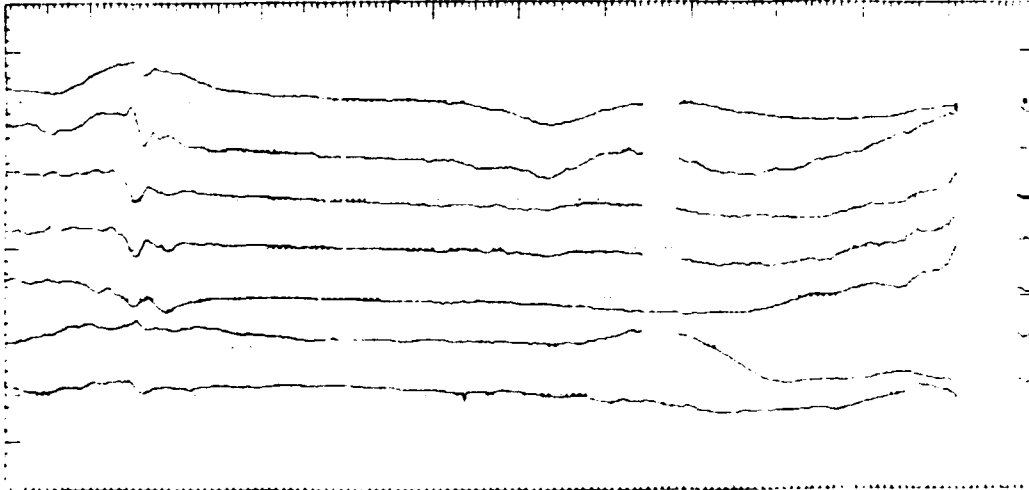
NEU
37
PPC
23
CIS
99
MCL
26
SUB
7223
LOC
30
TPA
40



FLIGHT 3 COMPONENT

40 INCHES/MAJOR DIVISION

NEU
64450
PPC
64013
CIS
65675
MCL
65039
SUB
64241
LOC
42376
TPA
42648

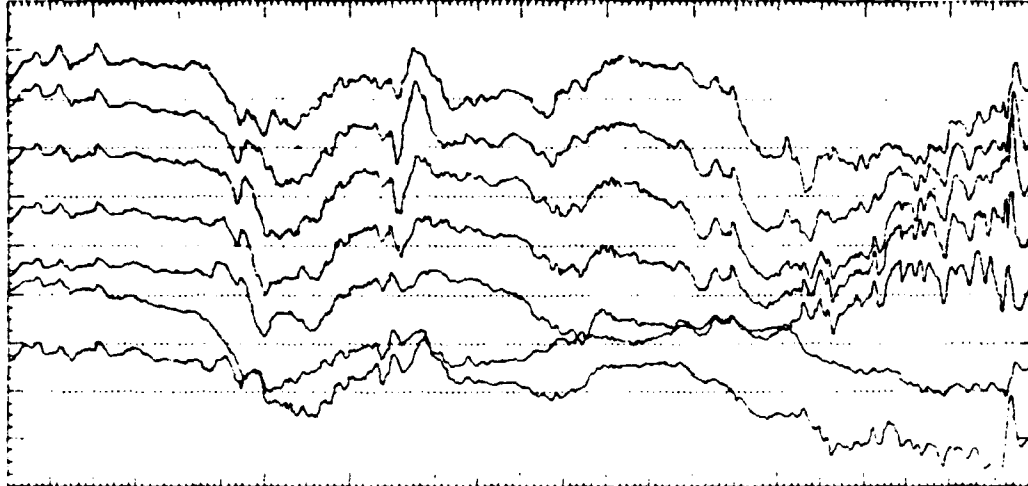


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
RE APP TO 1047 75021 UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHT 11 COMPONENT

40 INCHES/CM MAJOR DIVISION

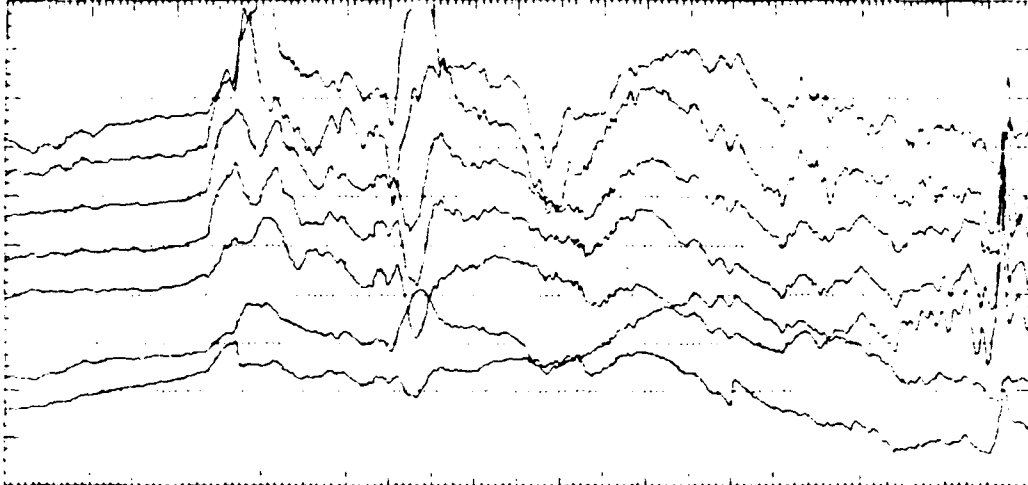
HEU
18249
PPC
1853
CDS
17221
MCL
18062
SUB
18348
LOC
25029
TPA
24789



FLIGHT 12 COMPONENT

40 INCHES/CM MAJOR DIVISION

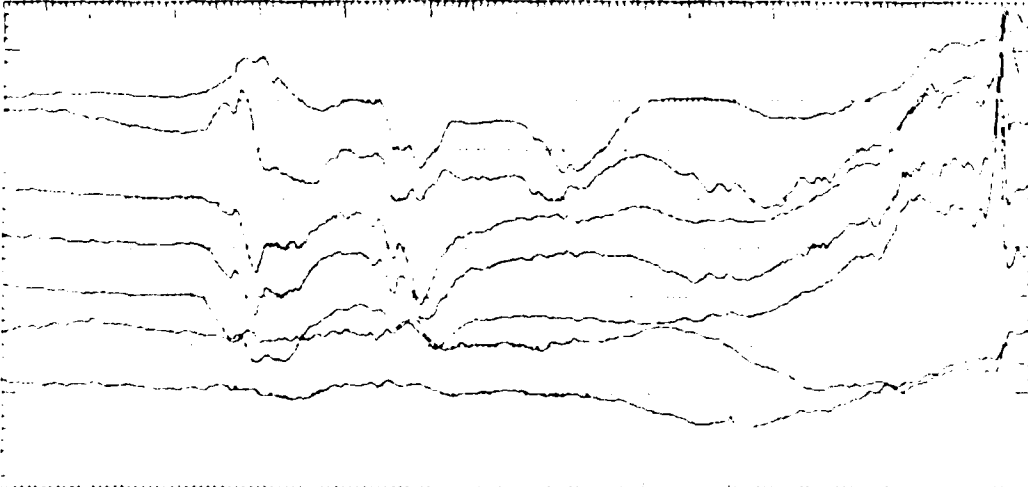
HEU
103
PPC
5
CDS
103
MCL
36
SUB
244
LOC
38
TPA
45



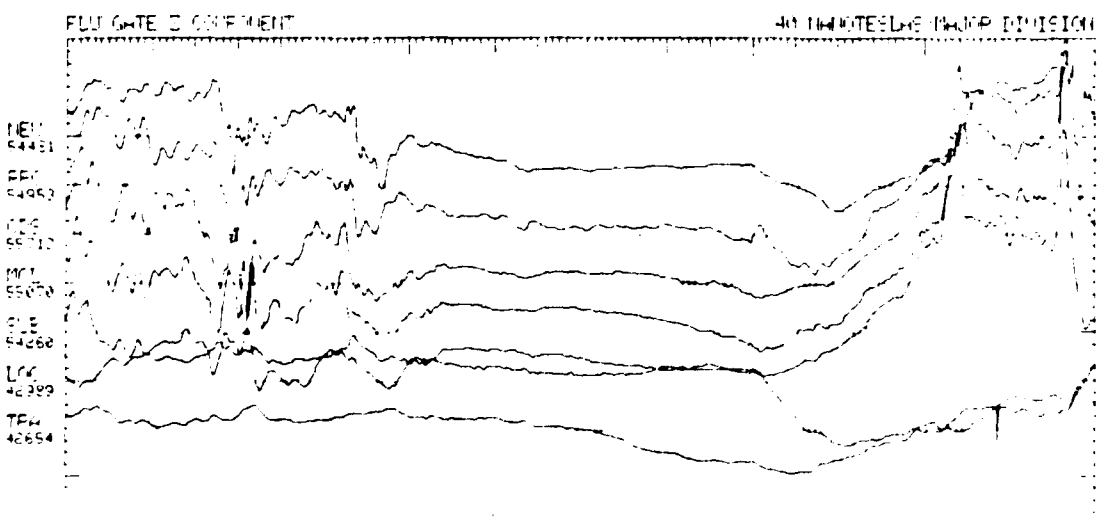
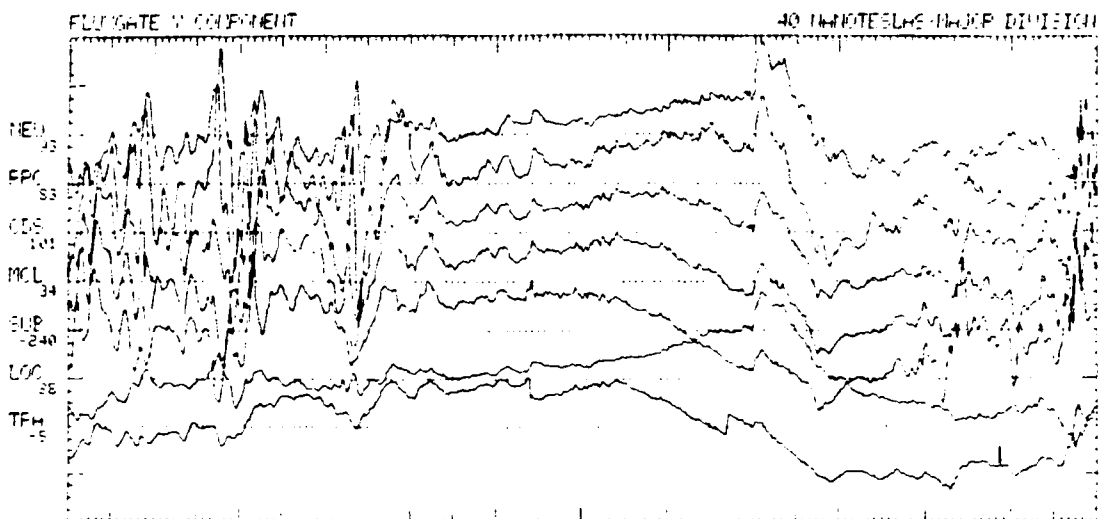
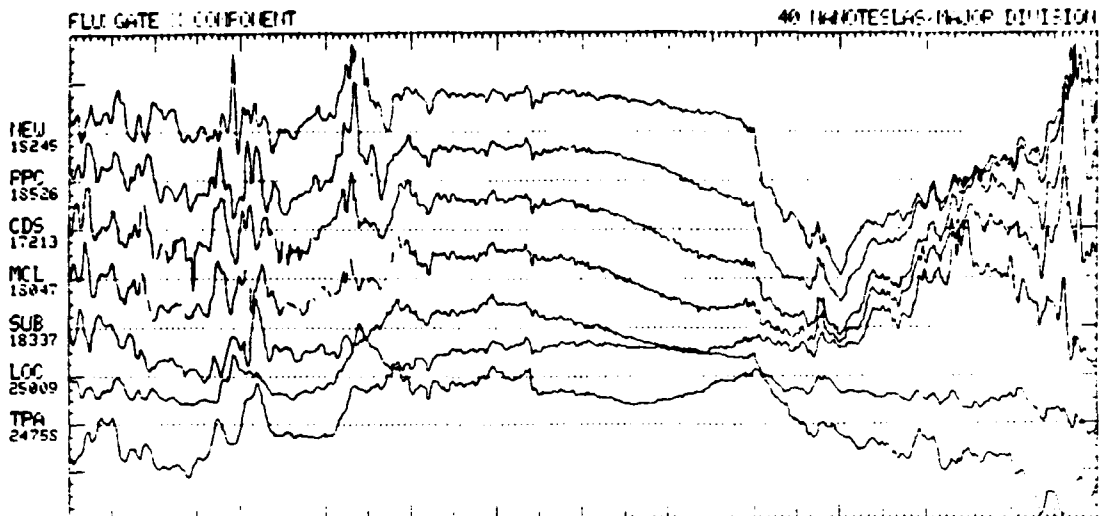
FLIGHT 13 COMPONENT

40 INCHES/CM MAJOR DIVISION

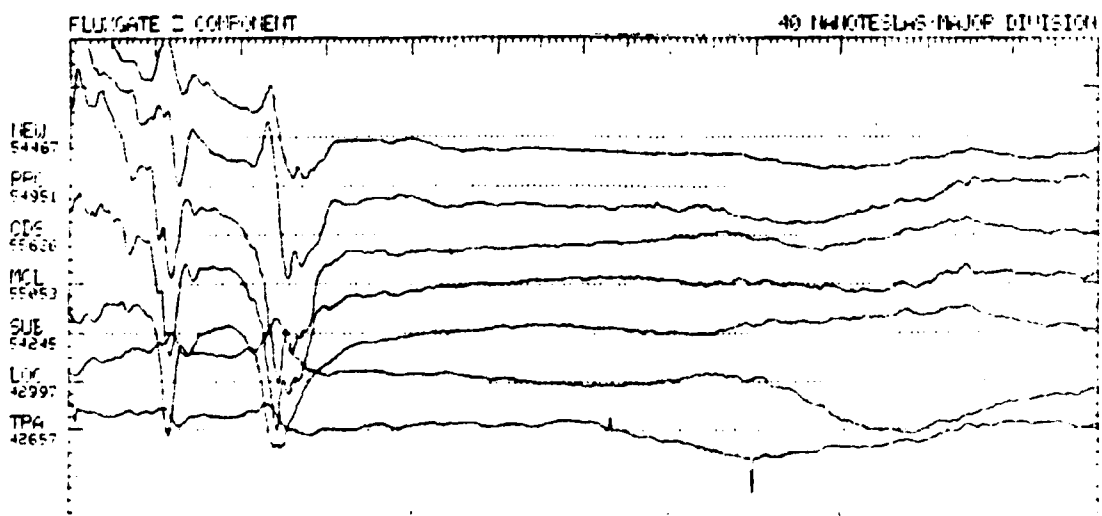
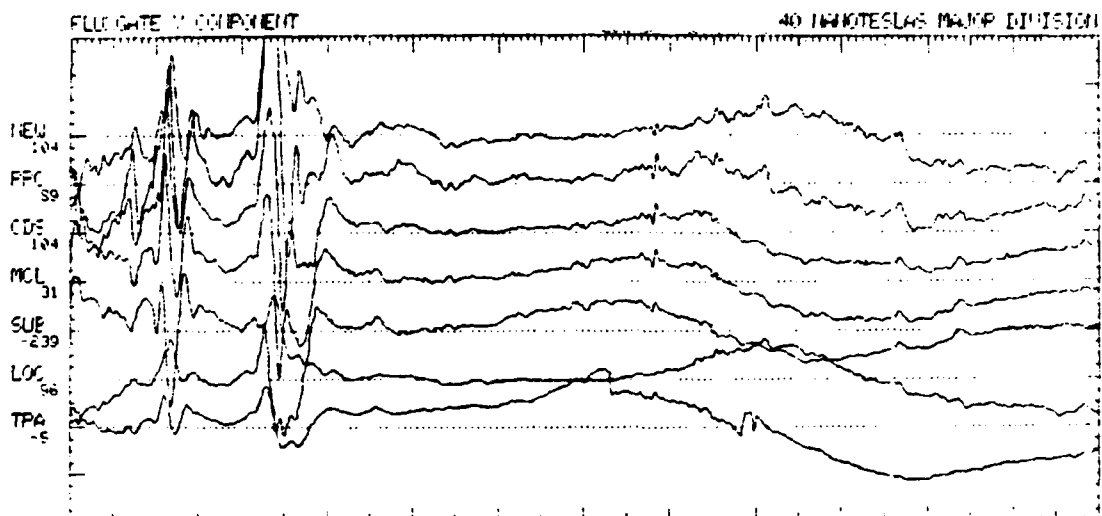
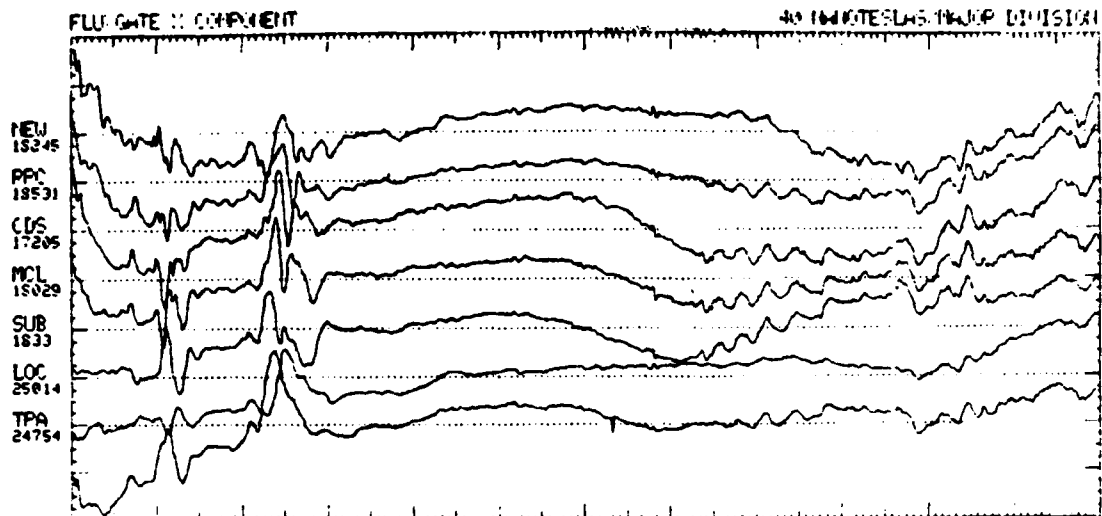
HEU
54447
PPC
54024
CDS
17001
MCL
17024
SUB
54209
LOC
42939
TPA
40446



0000 0500 1000 1500 2000 2500 3000
NO APP TO (047 72.090) UNIVERSAL TIME HEU INCH/METER MULTIPLY



0000 0500 1000 1500 2000 2500 3000 3500 4000
 ON OFF 25 100 25 100 25 100 25 100 25 100 25 100 25 100 25 100
 UNIVERSAL TIME RANGE METER RETURN

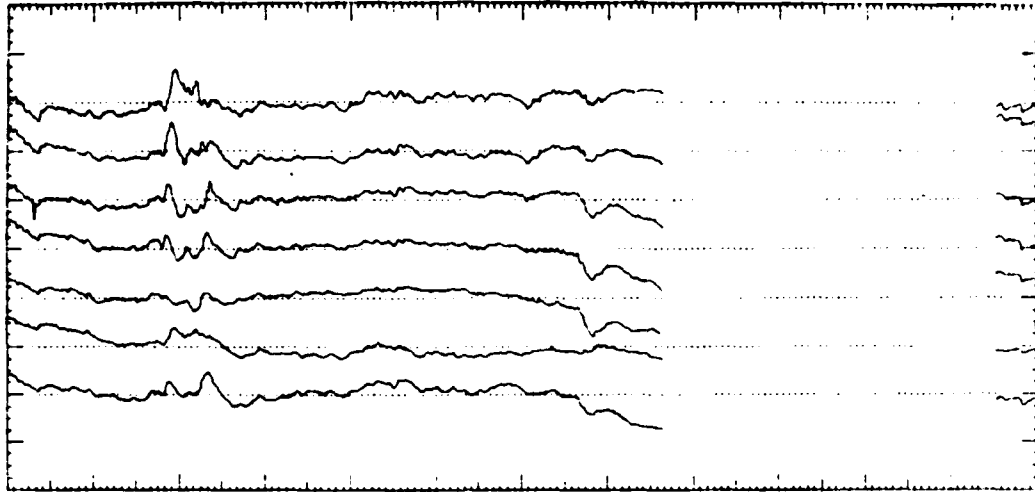


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 US HRP 78 (DAY 78.095) ▶ UNIVERSAL TIME MAGNETOMETER (ETA) PA

FLIGHT GATE X COMPONENT

40 INKOTESL/CM MAJOR DIVISION

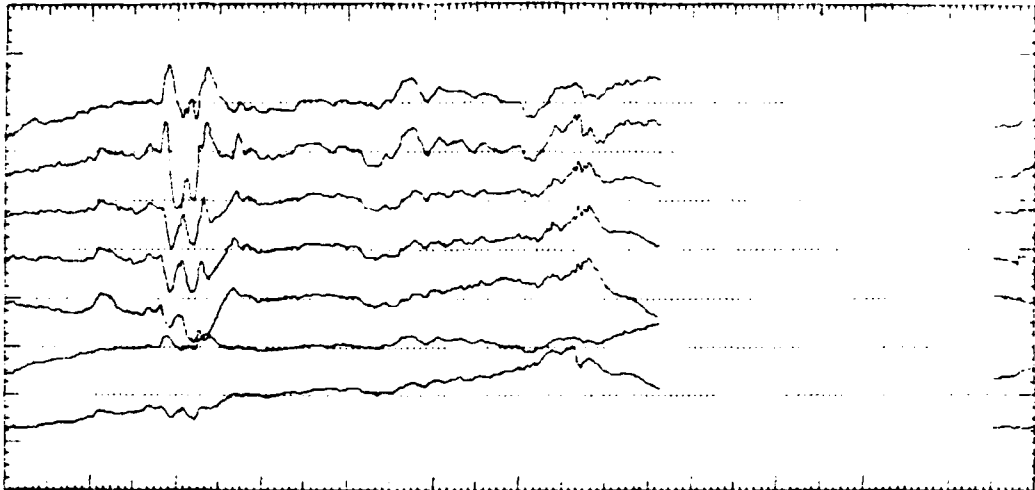
NEU
18266
PPC
18553
CDS
17229
MCL
15935
SUB
18351
LOC
25936
TPA
24758



FLIGHT GATE Y COMPONENT

40 INKOTESL/CM MAJOR DIVISION

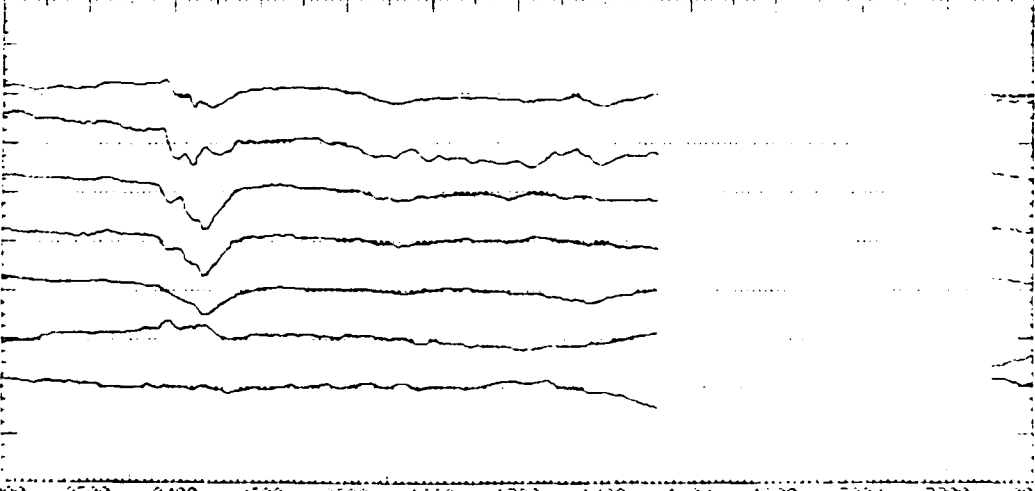
NEU
97
PPC
90
CDS
105
MCL
31
SUB
-232
LOC
91
TPA
-46



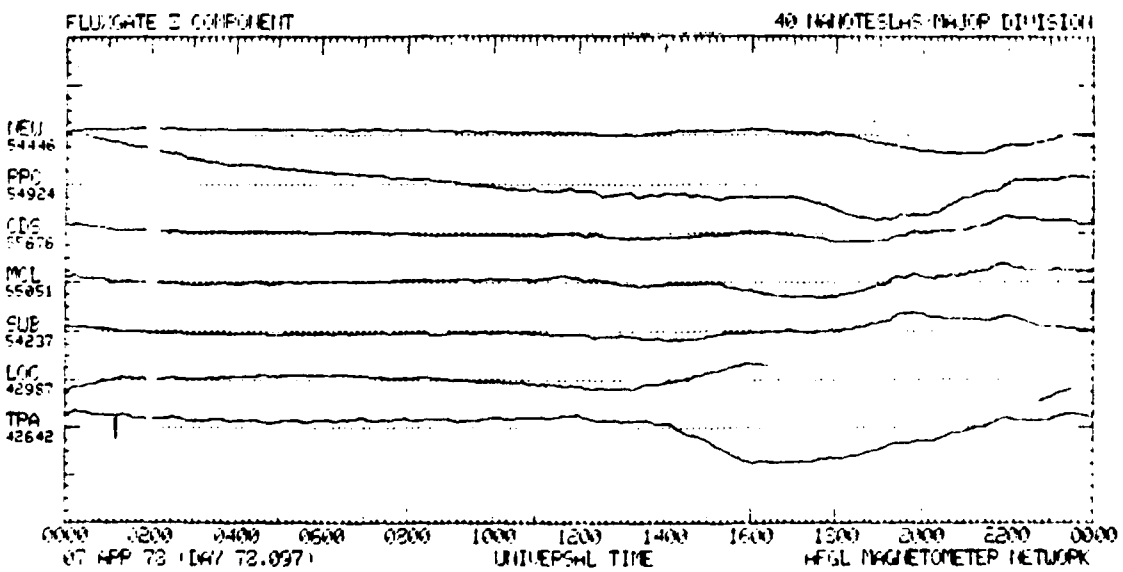
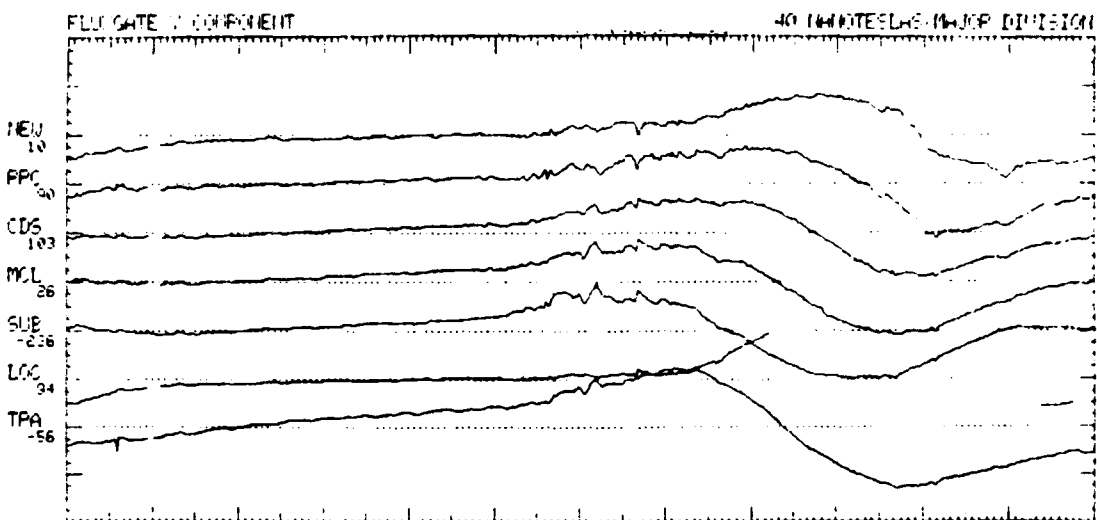
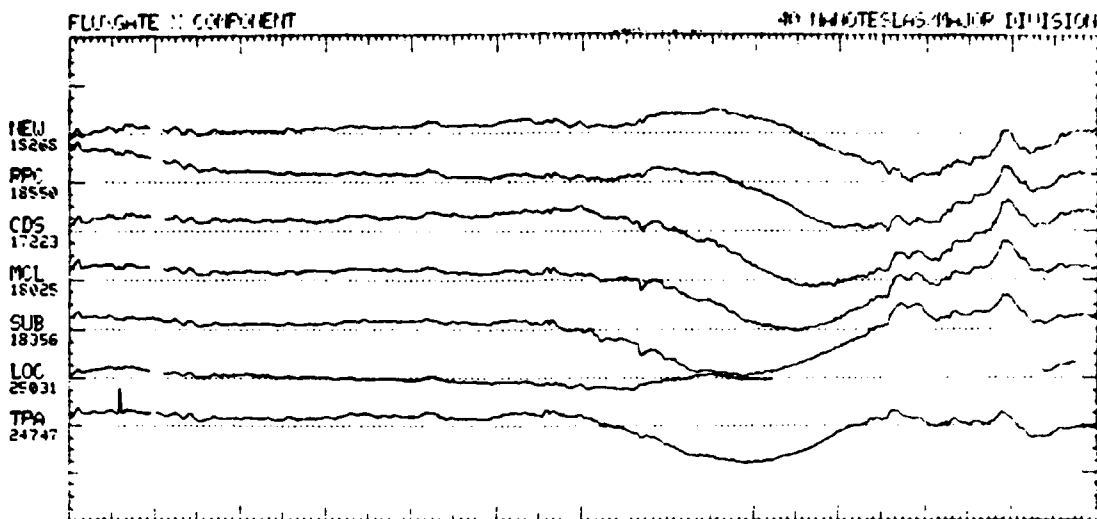
FLIGHT GATE Z COMPONENT

40 INKOTESL/CM MAJOR DIVISION

NEU
54450
PPC
54932
CDS
5567
MCL
55050
SUB
54237
LOC
42993
TPA
42652



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
08 APR 73 (DAY 03.036) UNIVERSAL TIME HGL MAGNETOMETER (UT/GR)



FLIGHT DECK INSTRUMENT

40 THROTTLE LEVER IN/OUT DIVISION

NEU
18273

FFC
1854

CIE
18237

MCL
18021

SUB
18361

LOC
2503

TPA
2457

FLIGHT DECK INSTRUMENT

40 THROTTLE LEVER IN/OUT DIVISION

NEU
101

FFC
37

CIE
102

MCL
25

SUB
236

LOC
94

TPA
59

FLIGHT DECK INSTRUMENT

40 THROTTLE LEVER IN/OUT DIVISION

NEU
54447

FFC
54913

CIE
55273

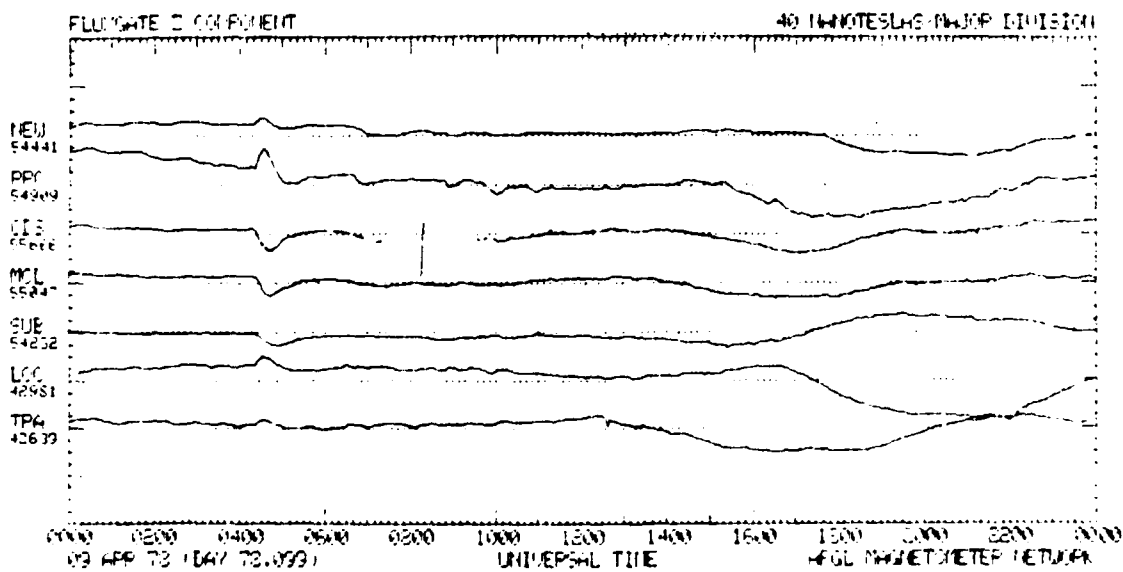
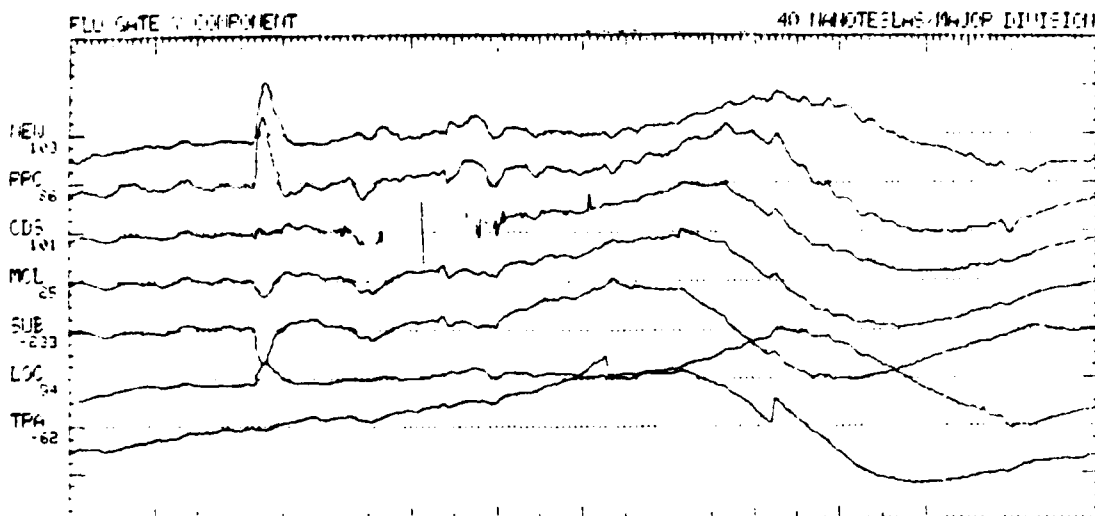
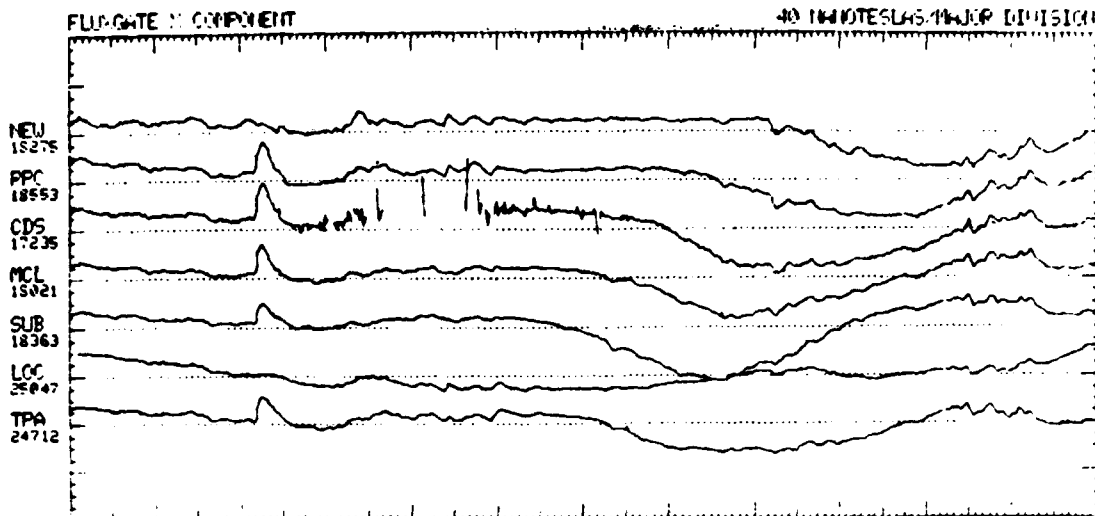
MCL
55053

SUB
54234

LOC
42976

TPA
42649

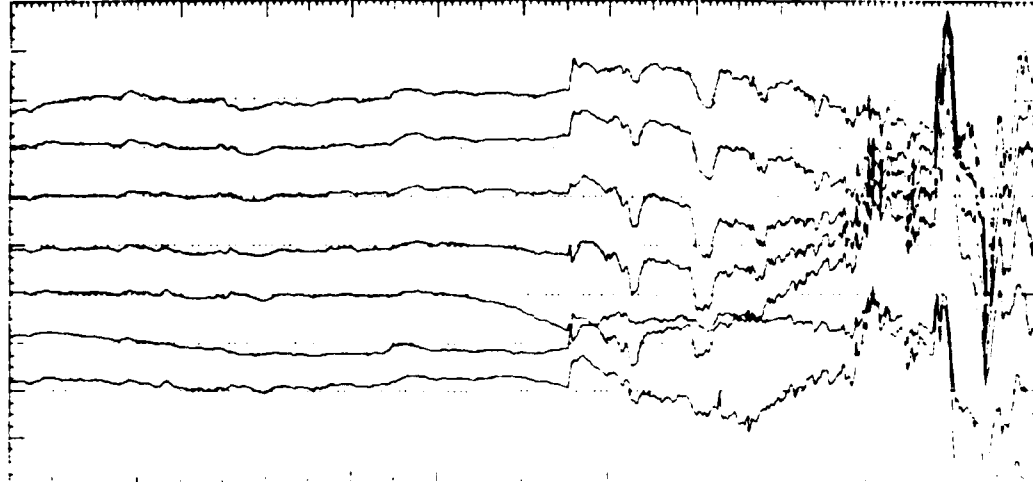
0000 0500 1000 1500 2000 2500 3000 3500 4000
UNIVERSAL TIME REF. 000000 METERS RETURN



FLIGHT 11 COMPONENT

40 THURTELS-HAICP DIVISION

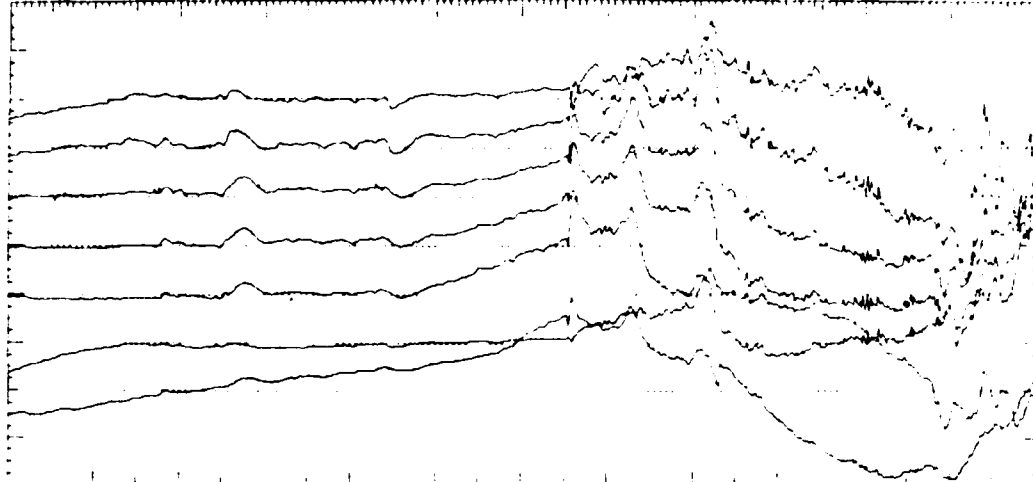
NEW
15235
PPC
18556
CDS
17242
MCL
15032
SUB
18372
LOC
2506
TPA
24704



FLIGHT 11 COMPONENT

40 THURTELS-HAICP DIVISION

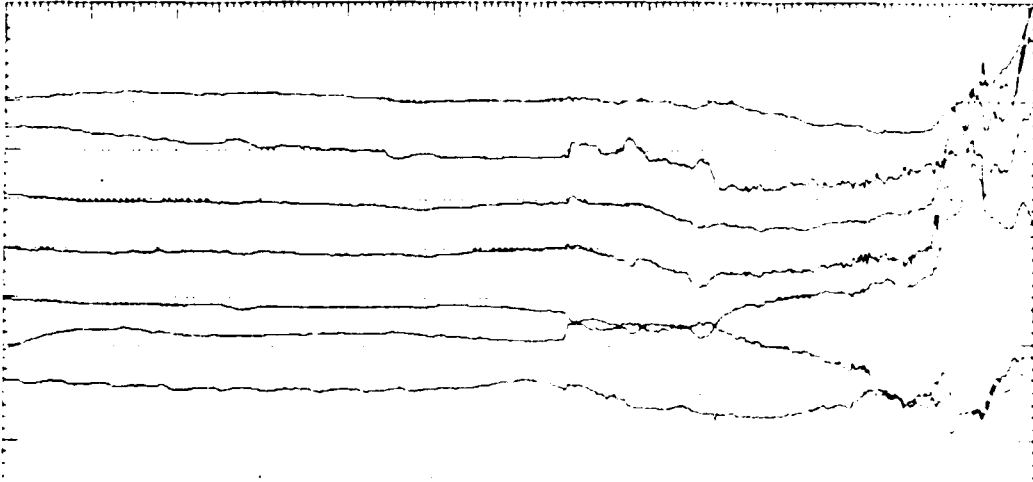
NEW
28
PPC
30
CDS
25
MCL
25
SUB
-231
LOC
24
TPA
-66



FLIGHT 11 COMPONENT

40 THURTELS-HAICP DIVISION

NEW
54442
PPC
54329
CDS
55672
MCL
55050
SUB
54334
LOC
42926
TPA
42635

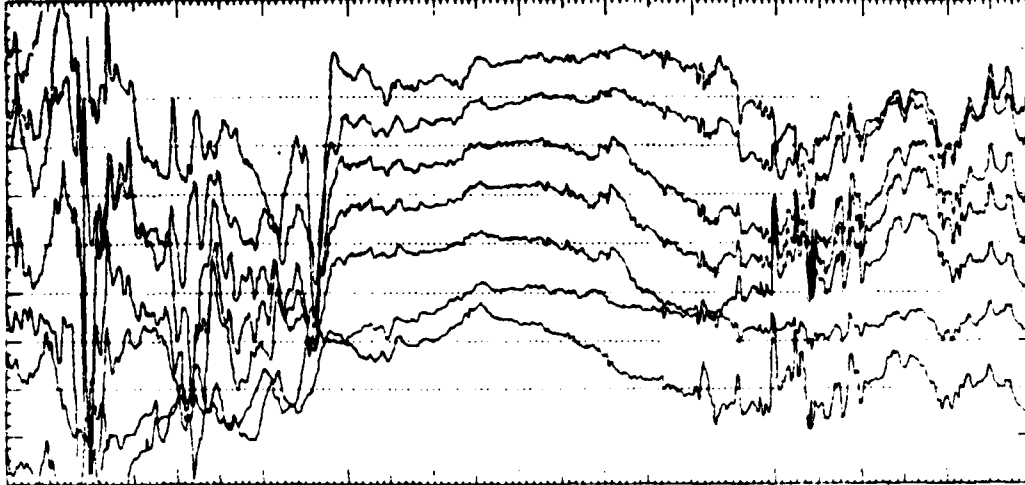


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
UNIVERSAL TIME HIGL BAROMETRIC NETUJN

FLIGHT 1 COMPONENT

40 INDIANAPOLIS MAJOR DIVISION

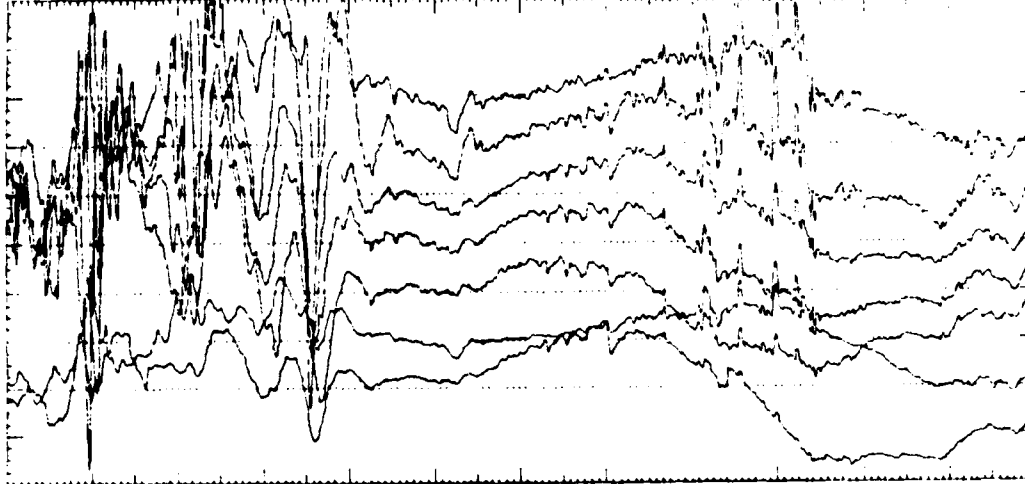
NEW 15264
PPC 13530
CDS 17218
MCL 19007
SUB 19341
LOC 25005
TPA 24637



FLIGHT 2 COMPONENT

40 INDIANAPOLIS MAJOR DIVISION

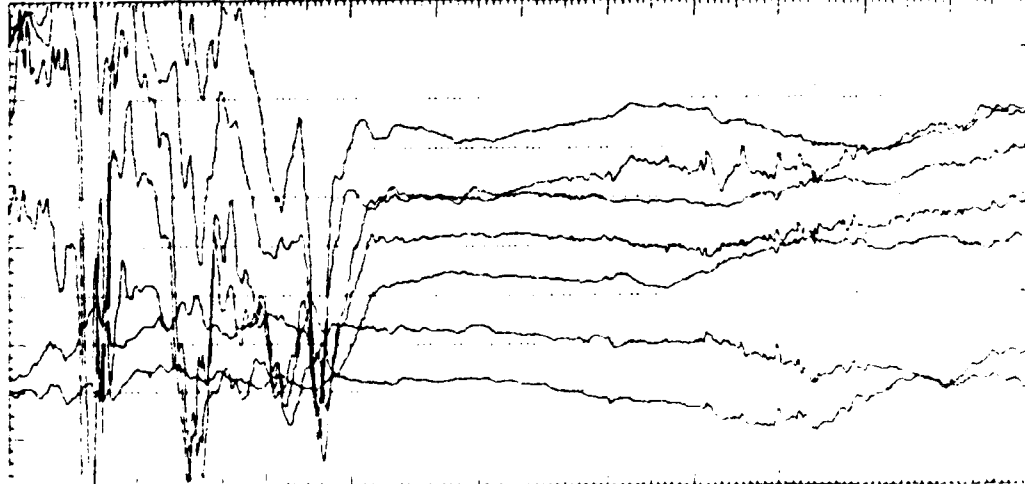
NEW 109
PPC 98
CDS 117
MCL 41
SUB 219
LOC 97
TPA -60



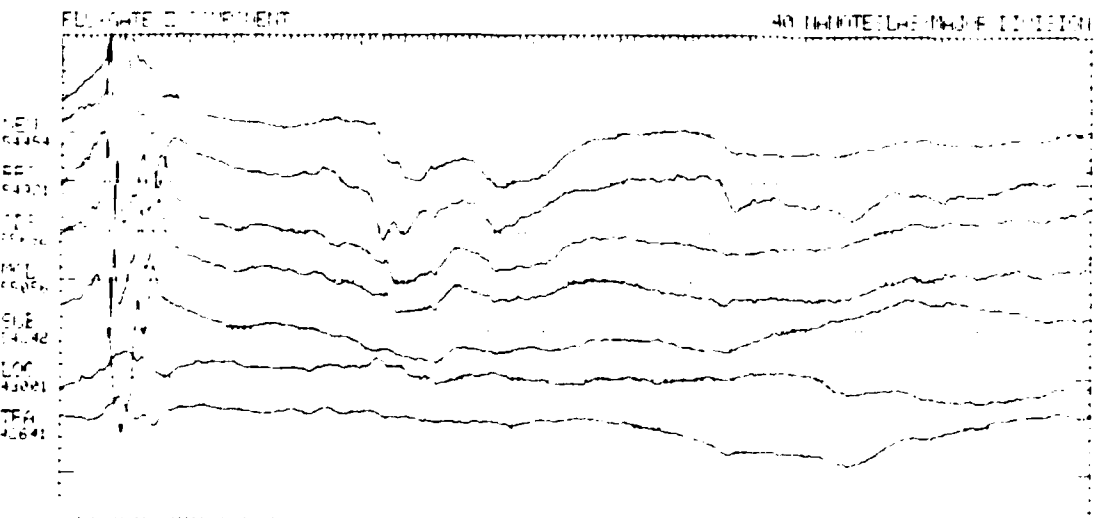
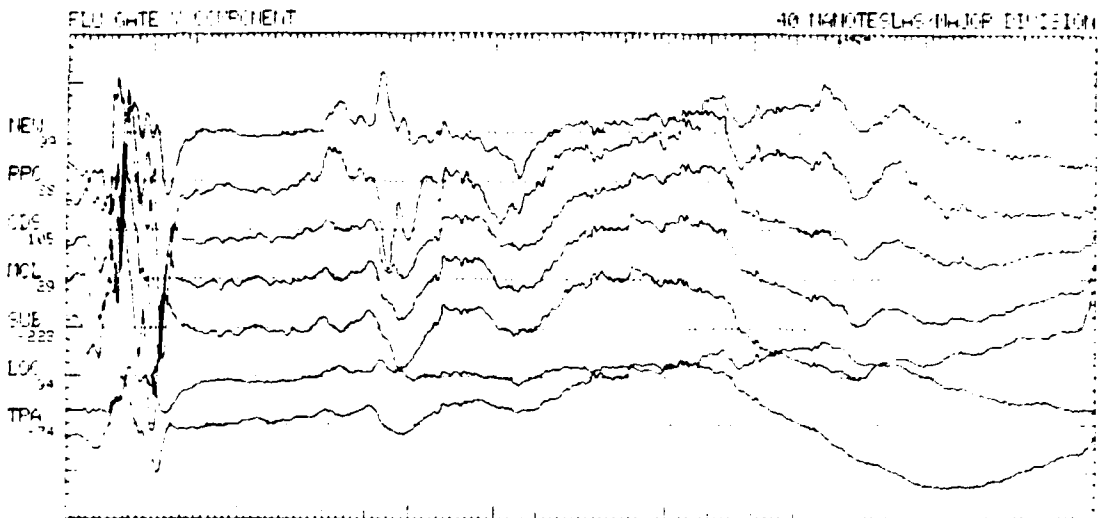
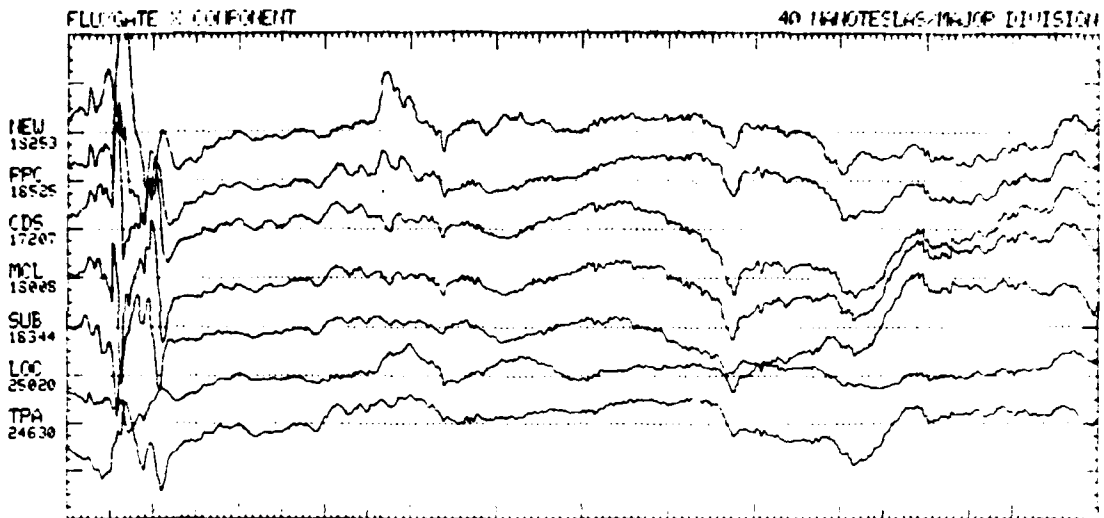
FLIGHT 3 COMPONENT

40 INDIANAPOLIS MAJOR DIVISION

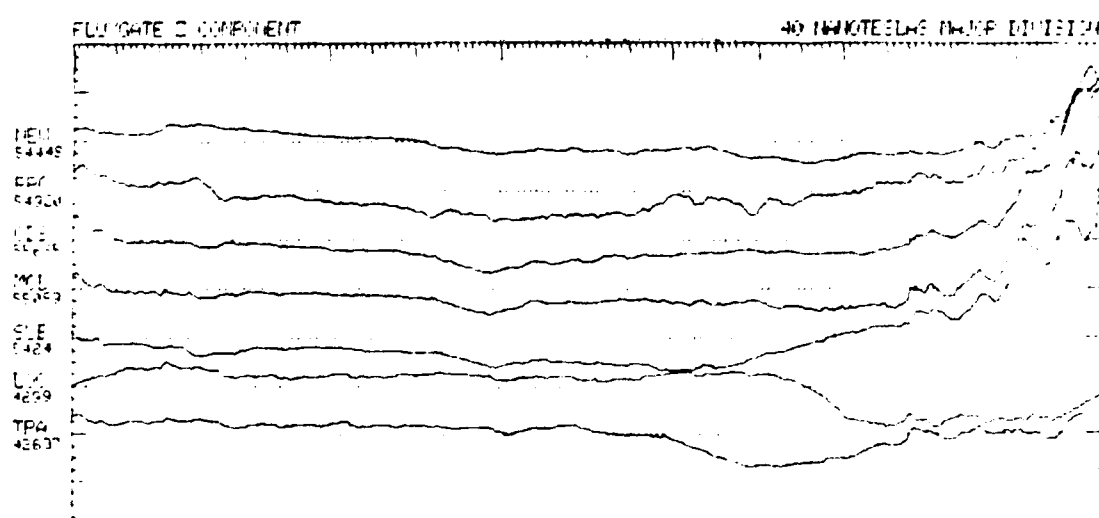
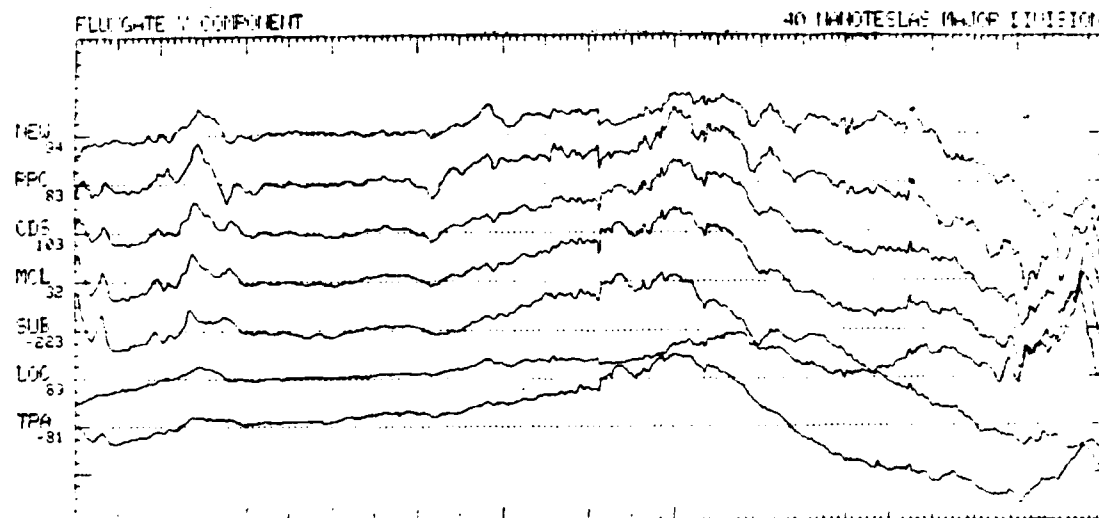
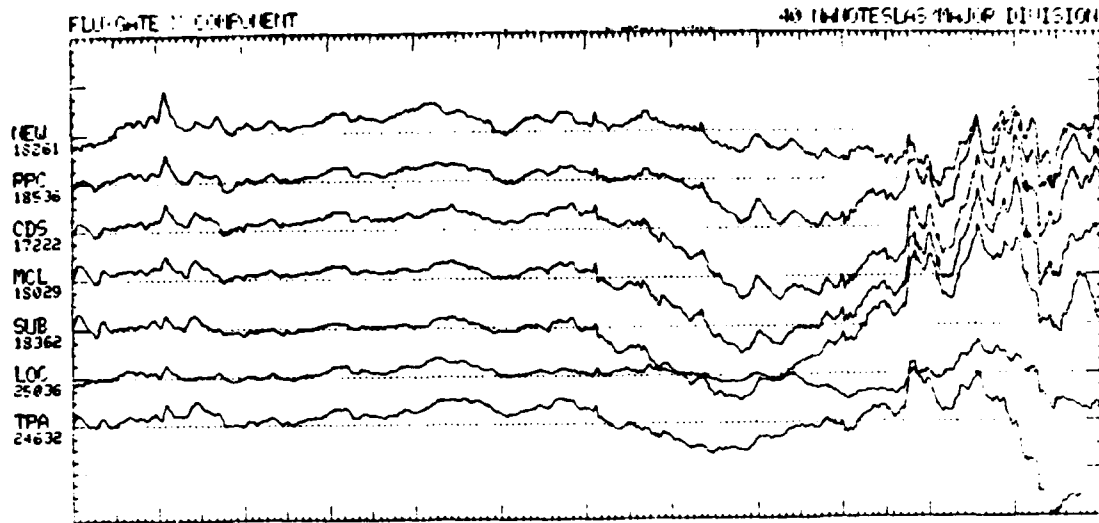
NEW 54431
PPC 54920
CDS 55671
MCL 55049
SUB 54220
LOC 43002
TPA 42645



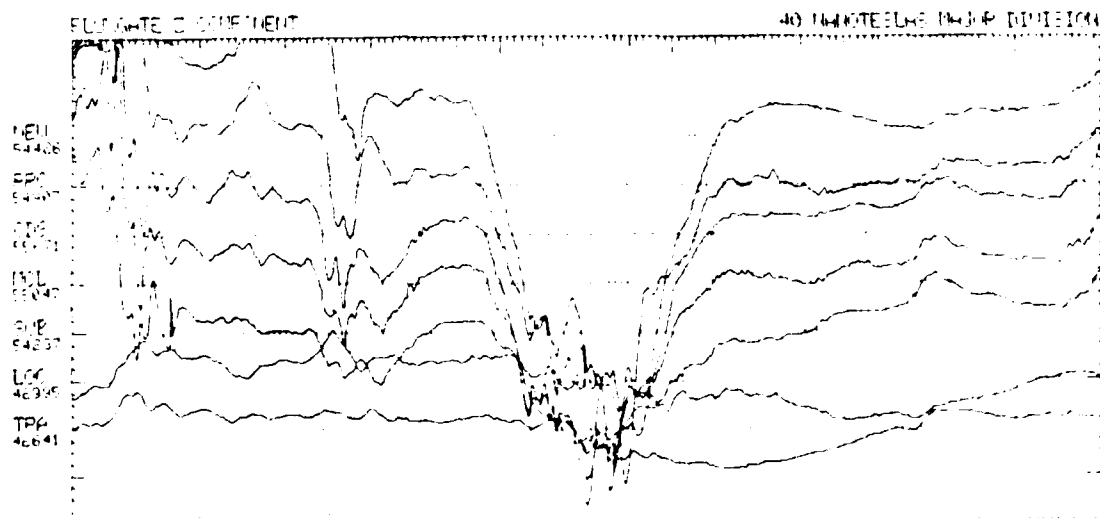
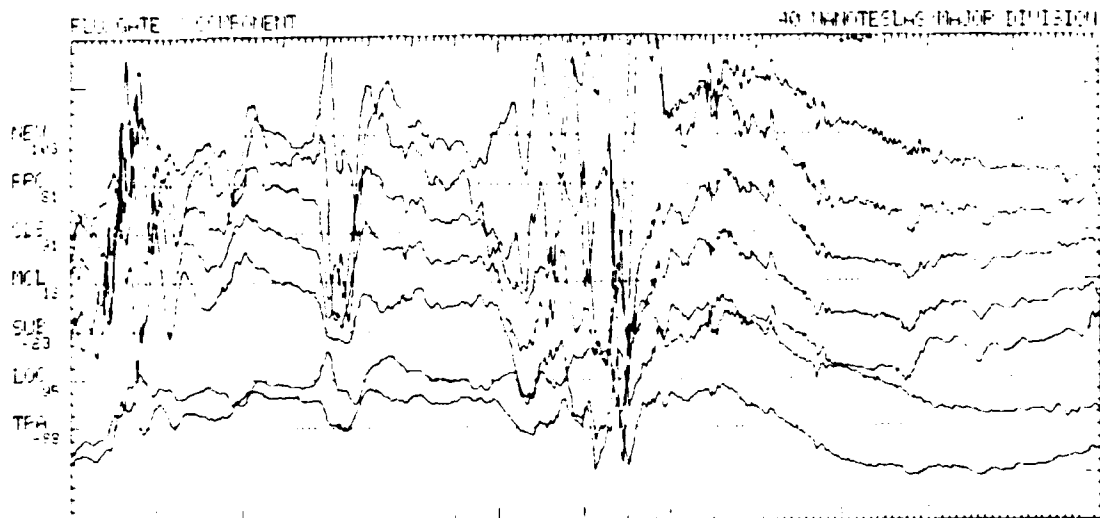
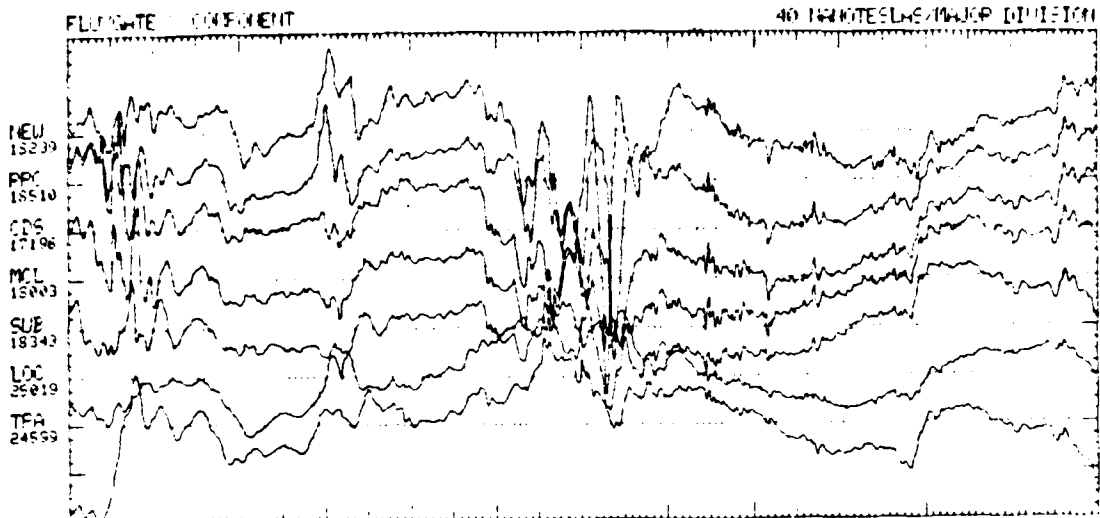
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
11 APR 72 (DAY 72.101) ▶ UNIVERSAL TIME HGL INDIANAPOLIS NETWORK



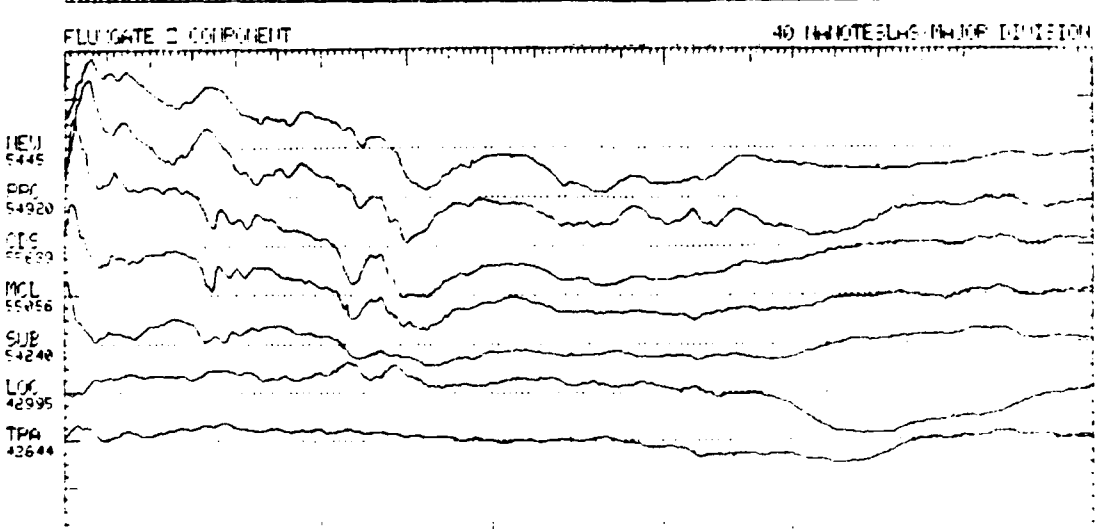
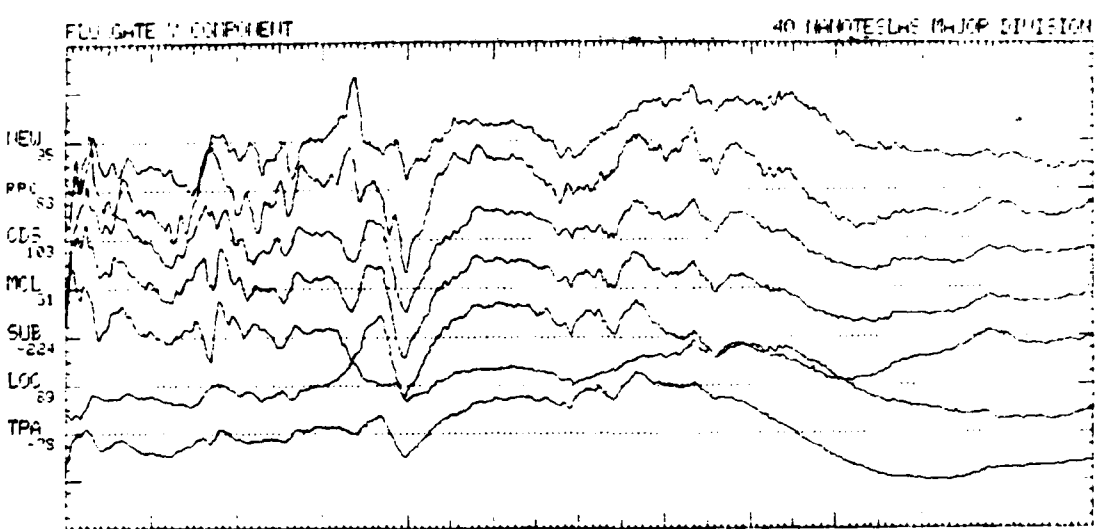
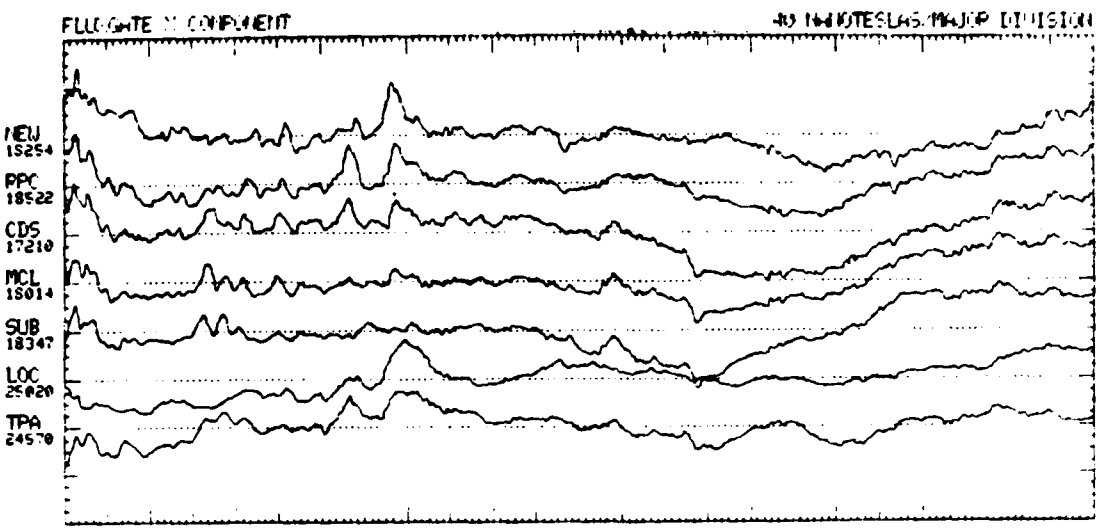
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
 IS OFF TO INH TO LIVE ► UNIVERSAL TIME INFL INJECTMETER RETURN



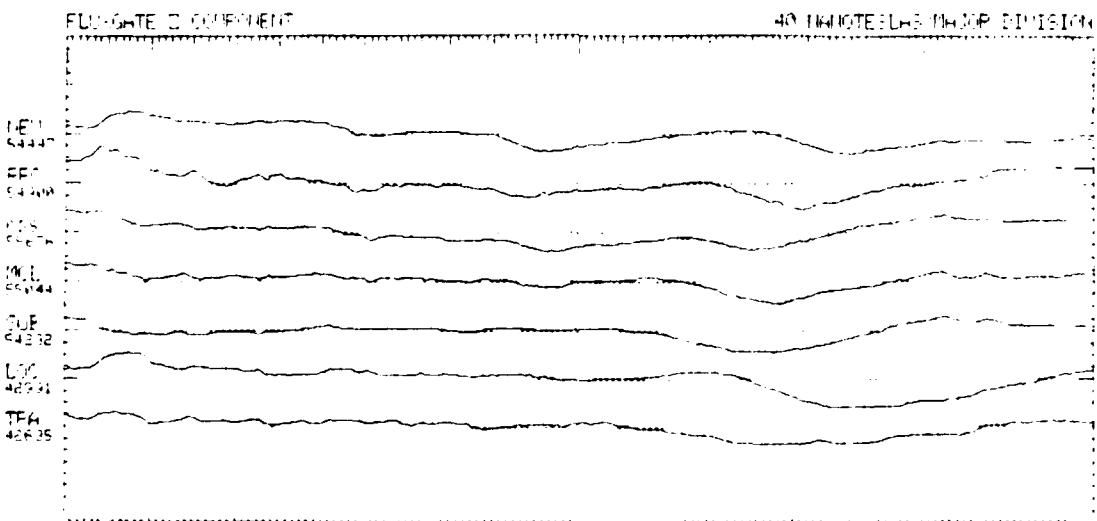
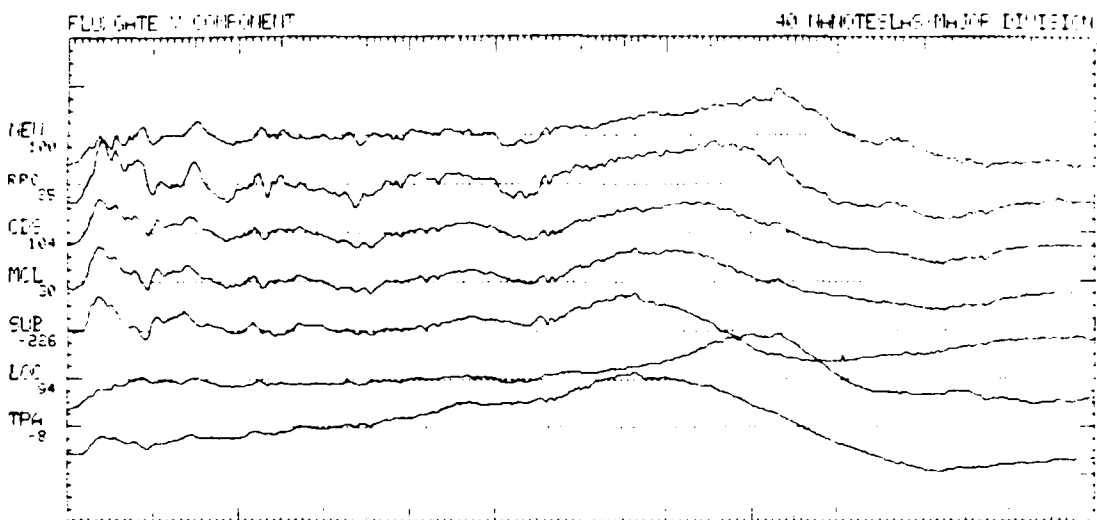
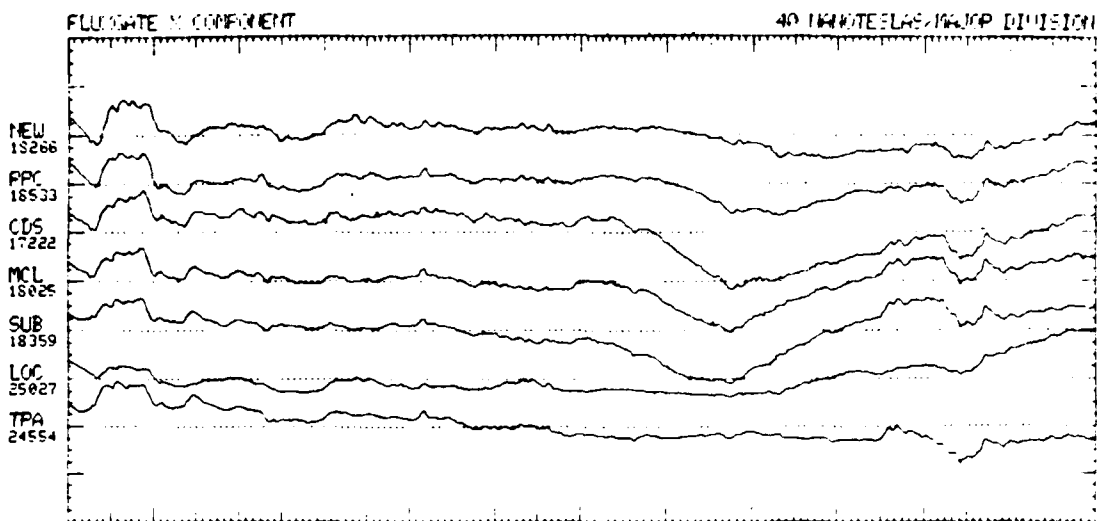
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 10 APR 73 (147 72.103) UNIVERSAL TIME HGL MAGNETOMETER NETWORK



0000 0500 1000 1500 2000 2500 3000
 24 APR 75 (06Z TO 10Z) ▶ UNIVERSAL TIME AFGL INJECT/METER NETWORK



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 15 APR 72 (DAY 72.105) UNIVERSAL TIME APGL MAGNETOMETER NETWORK

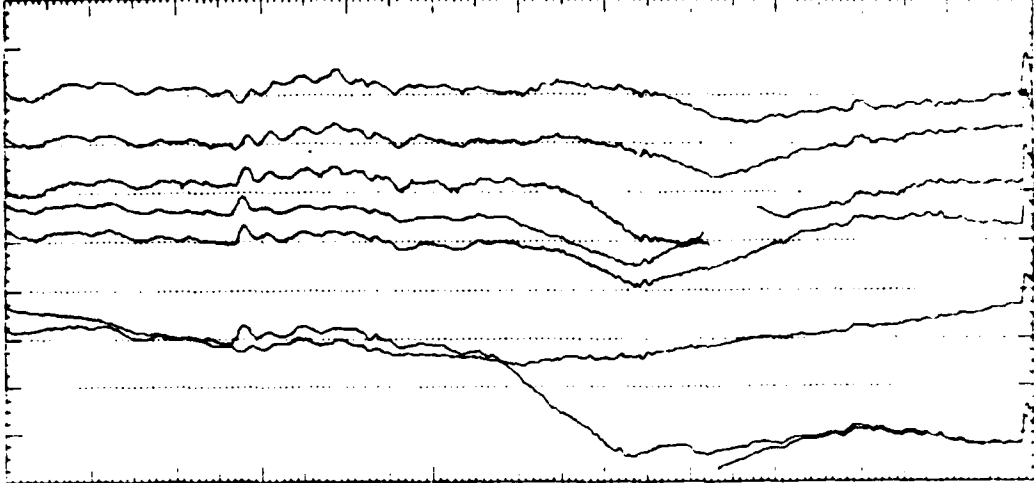


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
 16 APR 75 (DHY 75.126) UNIVERSAL TIME HAZARD METER NETWORK

FLIGHT GATE II COMPONENT

40 NANOTESLAH IN/100 DIVISION

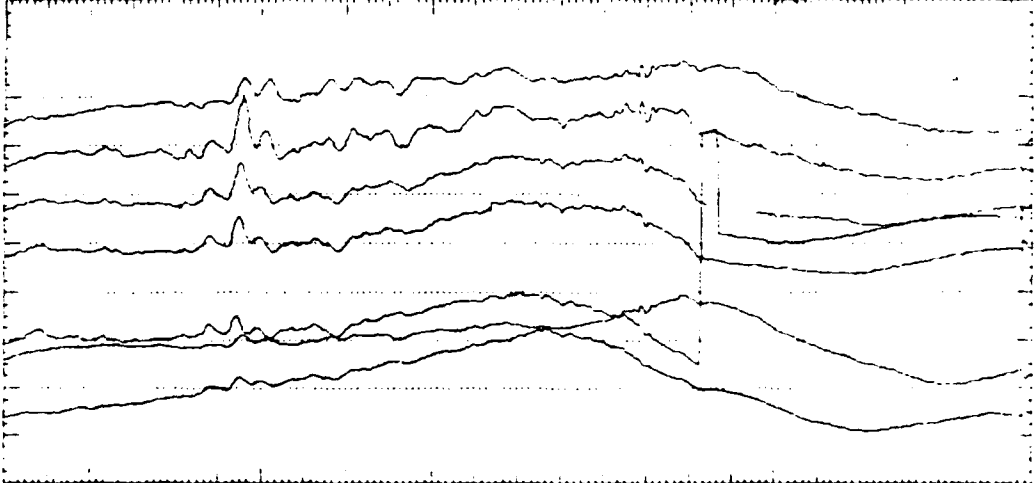
NEU
18269
PPC
18543
CDS
17234
MCL
15033
SUB
18305
LOC
25038
TPA
24493



FLIGHT GATE II COMPONENT

40 NANOTESLAH IN/100 DIVISION

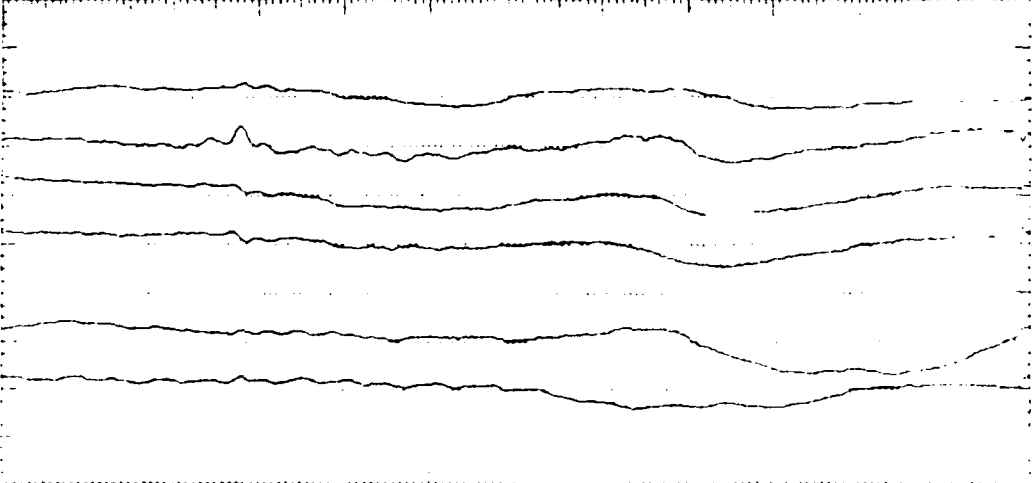
NEU
100
PPC
87
CDS
106
MCL
31
SUB
-132
LOC
25
TPA
-82



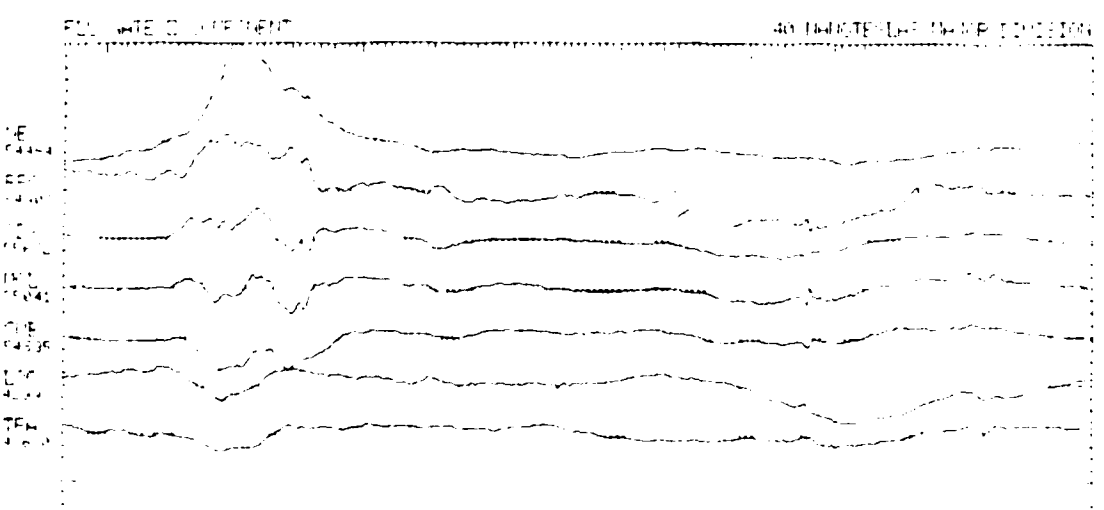
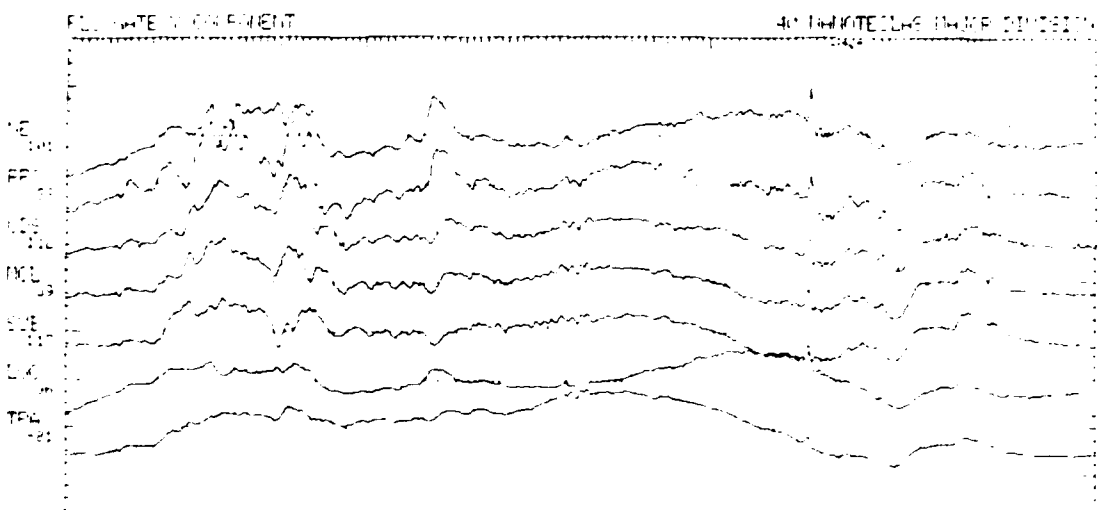
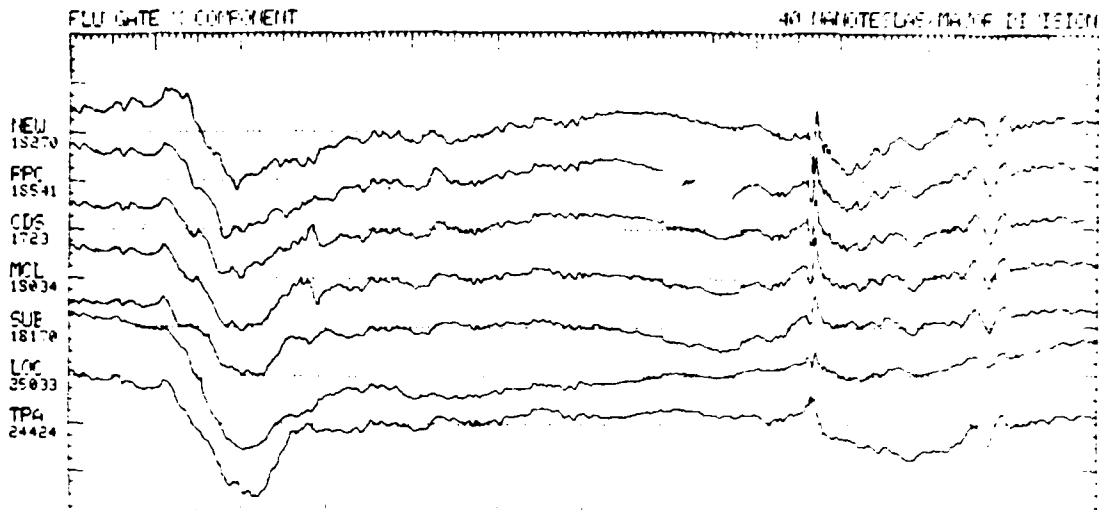
FLIGHT GATE II COMPONENT

40 NANOTESLAH IN/100 DIVISION

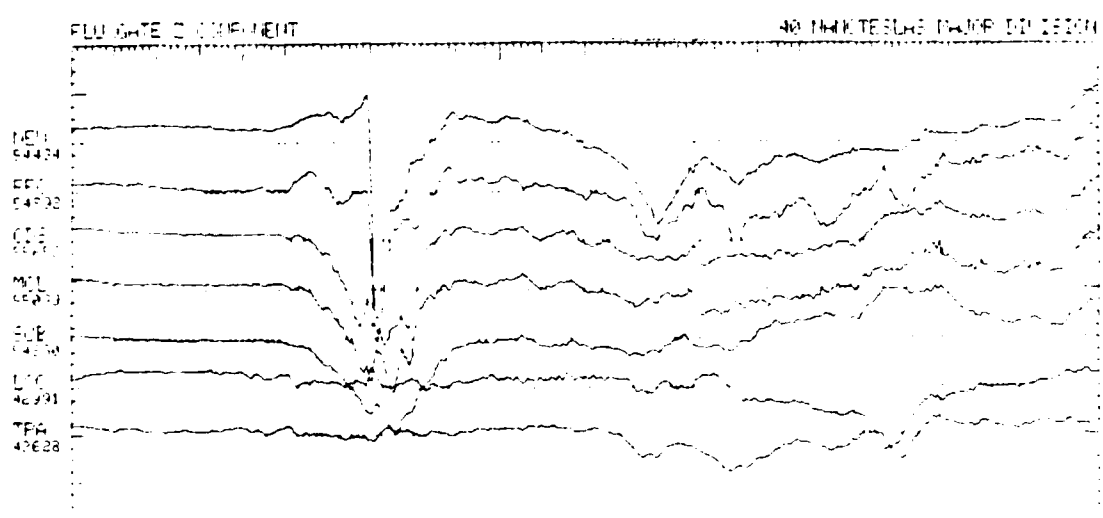
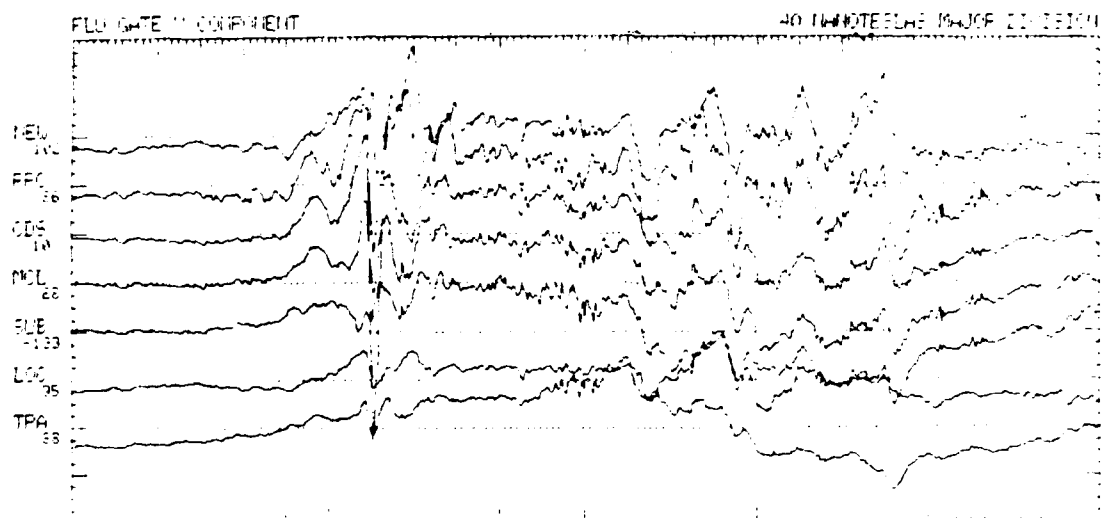
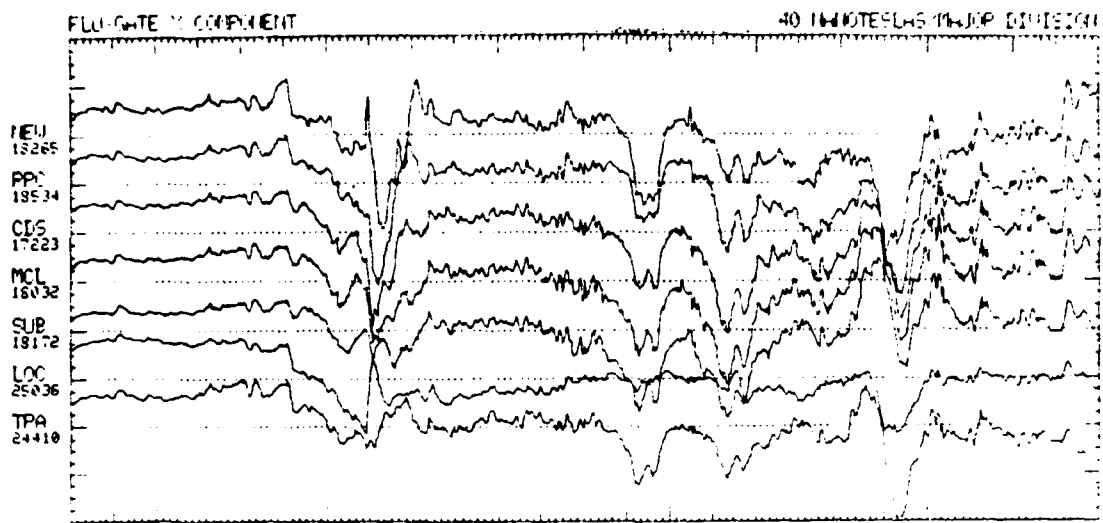
NEU
54433
PPC
54203
CDS
55670
MCL
55023
SUB
54416
LOC
40957
TPA
47123



UNIVERSAL TIME 17 450 73 147 73.107 1500 1600 1700 1800 1900 2000 2100 2200
HGL MAGNETOMETER NETWORK



0000 0500 1000 1500 2000 2500 3000 3500 4000 4500 5000
 20 HRS TO 24 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00
 INTERPOL TIME 40 INCHES/SEC RANGE DIVISION

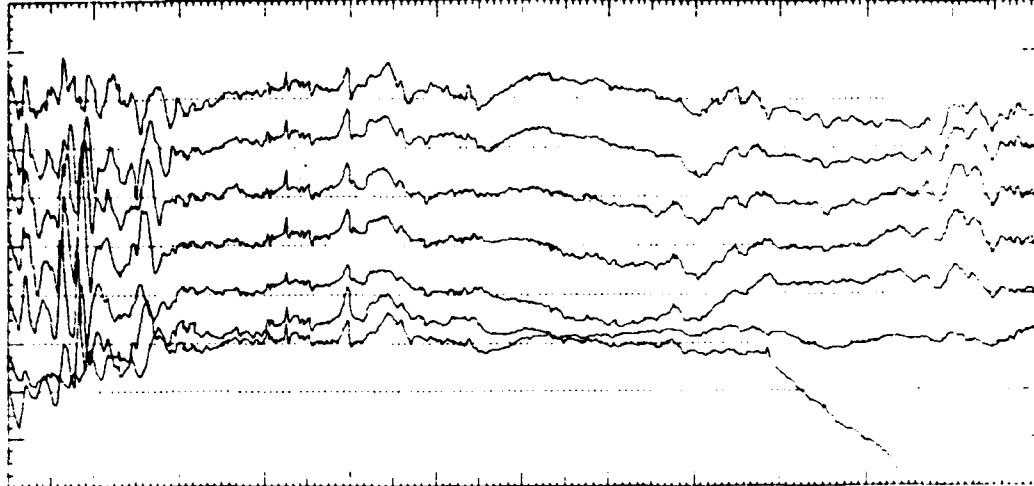


19 APR 72 (1947 72.109) UNIVERSAL TIME FLIGHT 2 METEOR NETWORK

FLIGHTLINE COMPONENT

40 NANOTESLA PER DIVISION

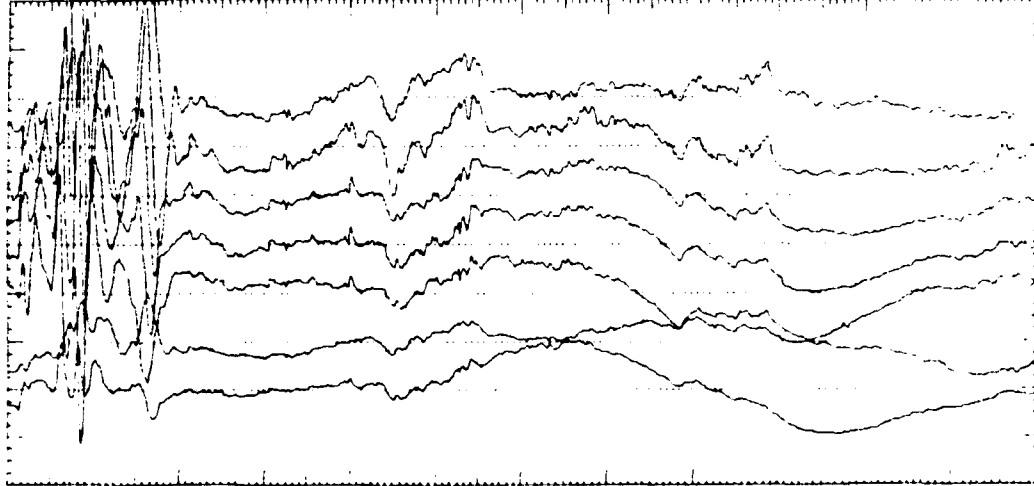
NEU
13267
PPC
15528
CDS
17225
MCL
13030
SUB
18165
LOC
25028
TPA
24340



FLIGHTLINE COMPONENT

40 NANOTESLA PER DIVISION

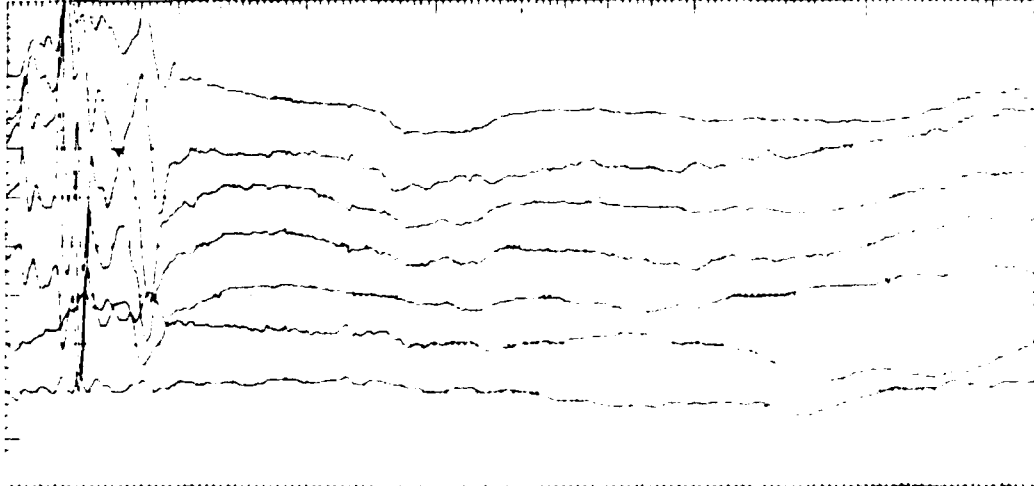
NEU
105
PPC
92
CDS
110
MCL
33
SUB
128
LOC
97
TPA
79



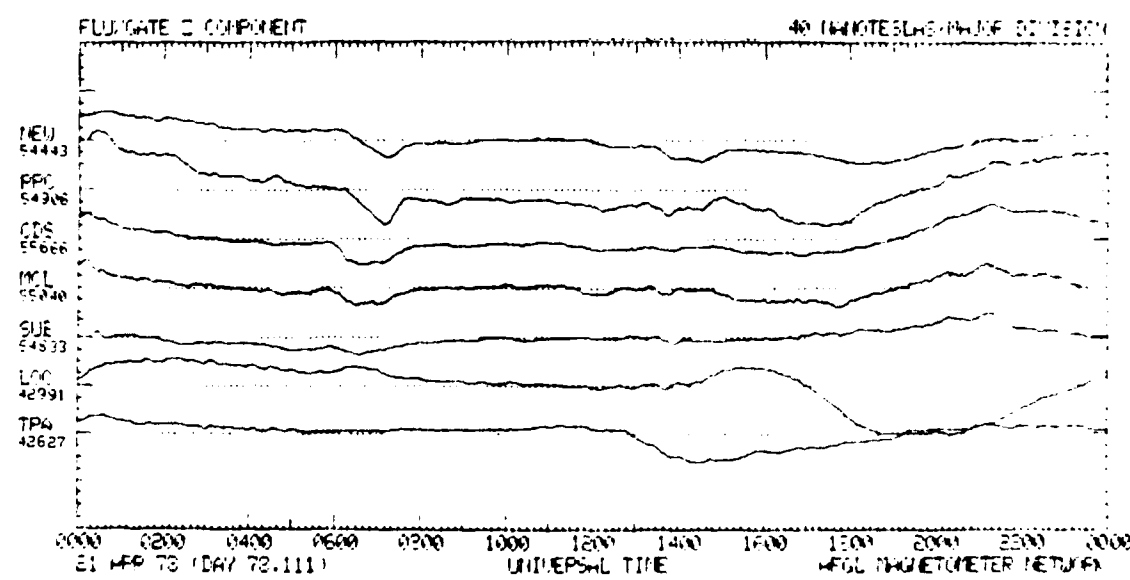
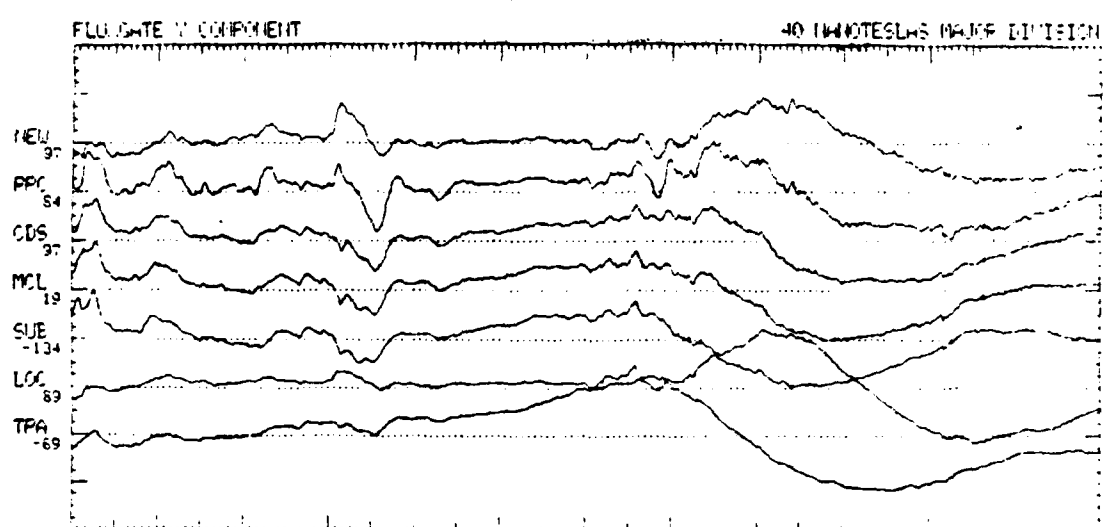
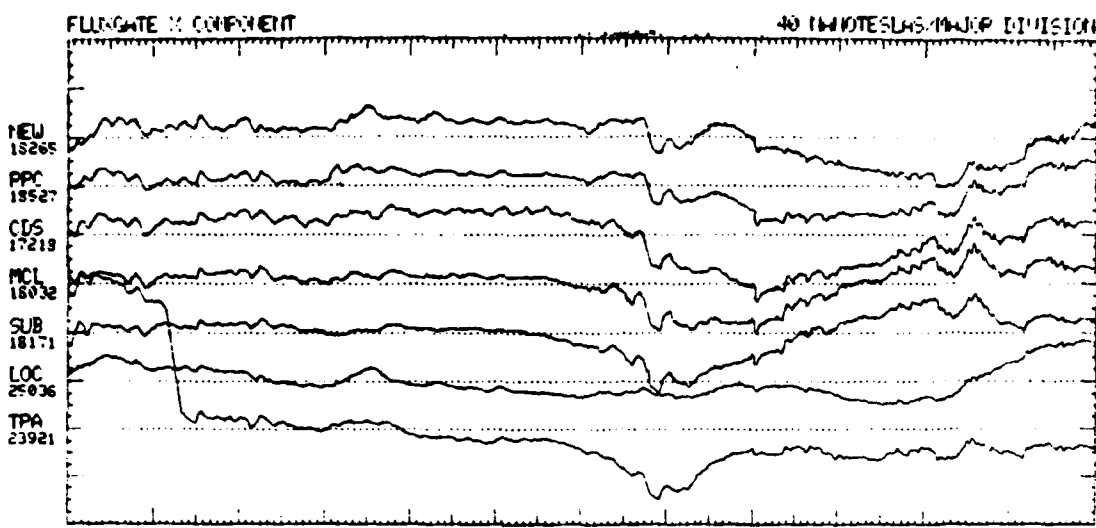
FLIGHTLINE COMPONENT

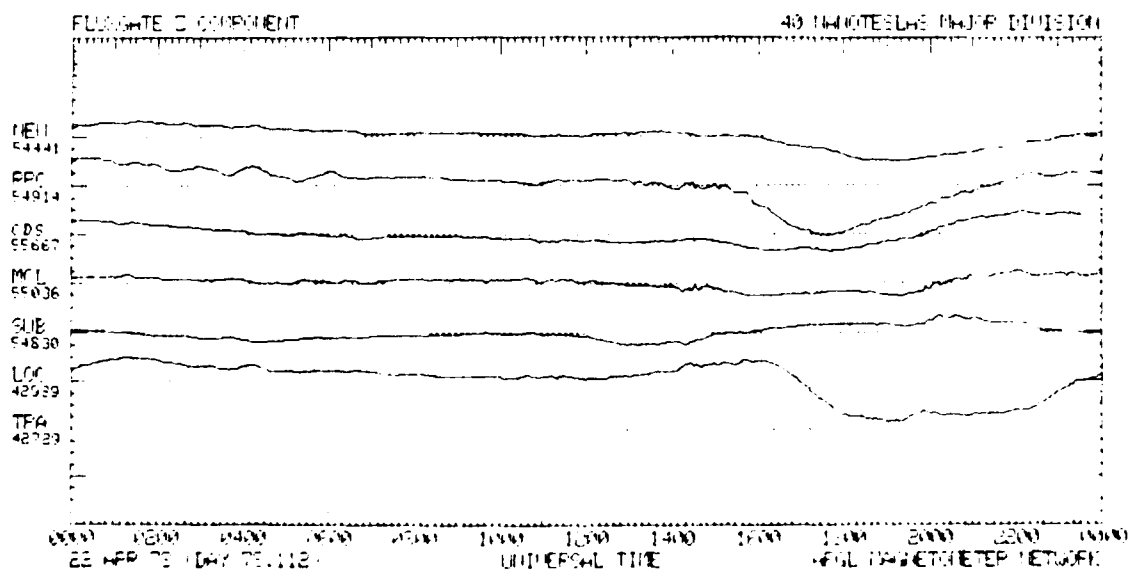
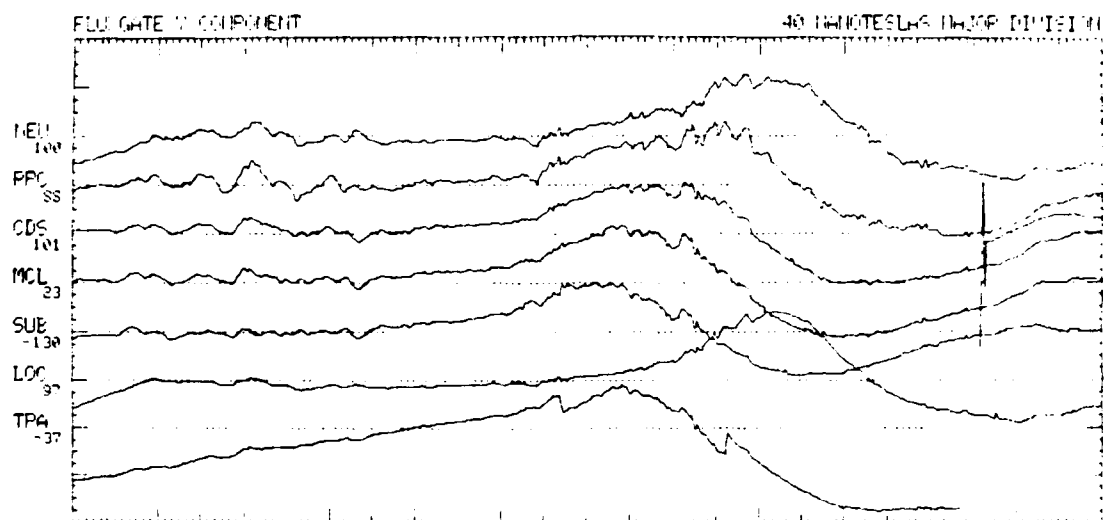
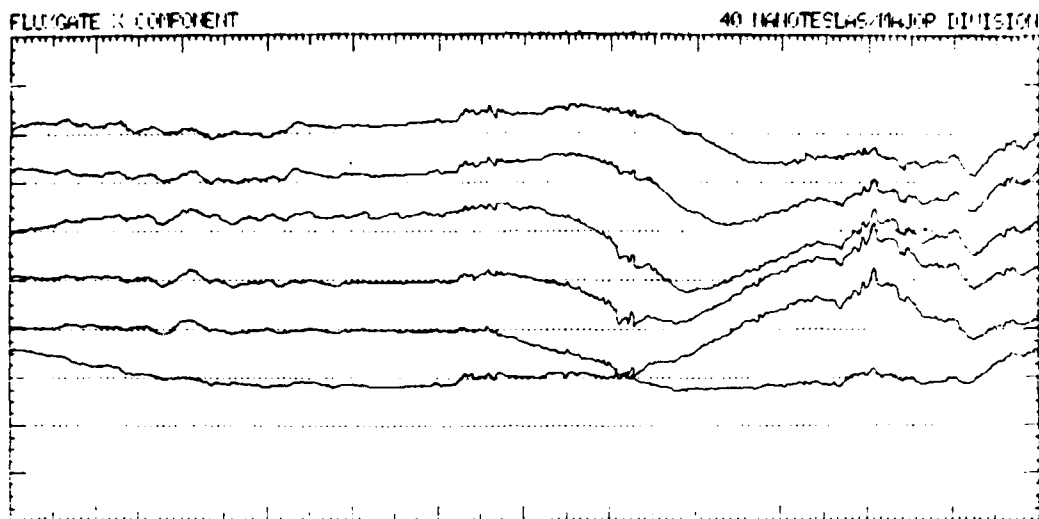
40 NANOTESLA PER DIVISION

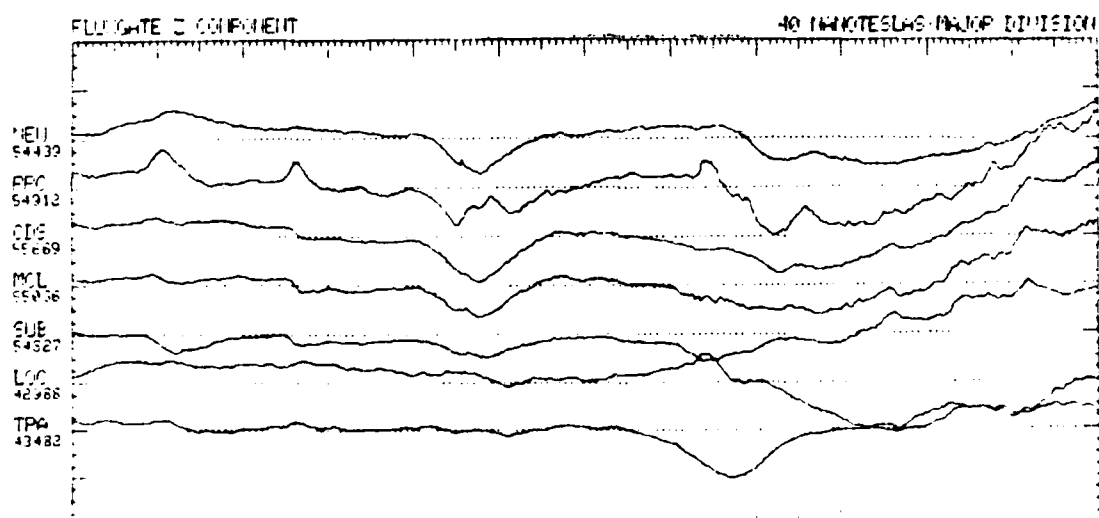
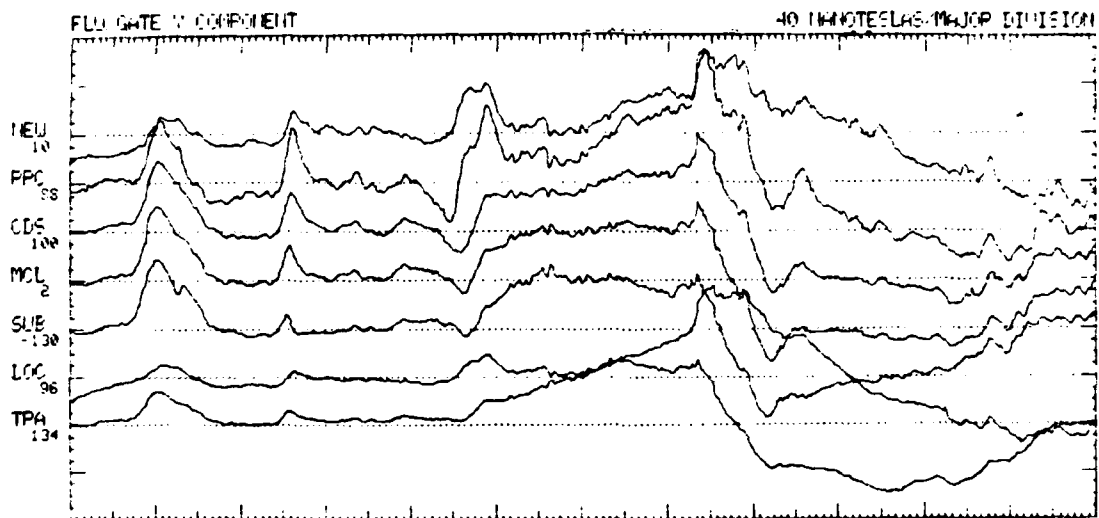
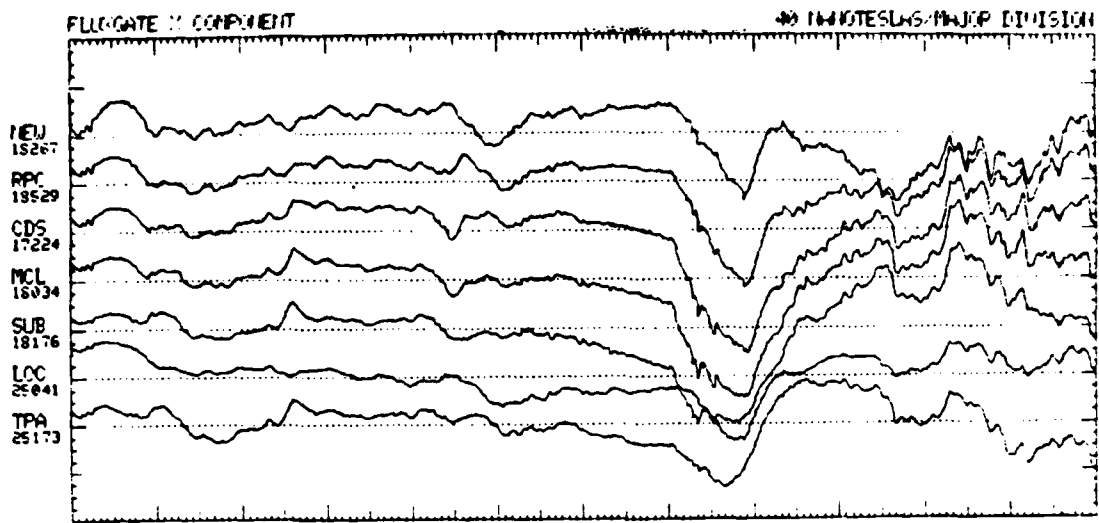
NEU
54459
PPC
54919
CDS
65672
MCL
55744
ELE
64832
LOC
42397
TPA
46631



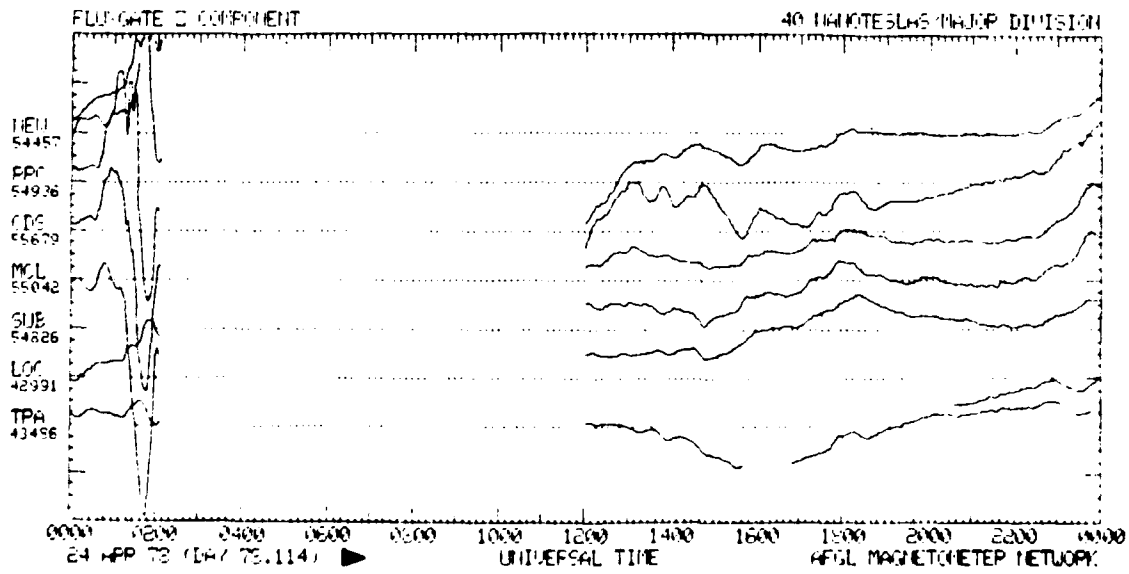
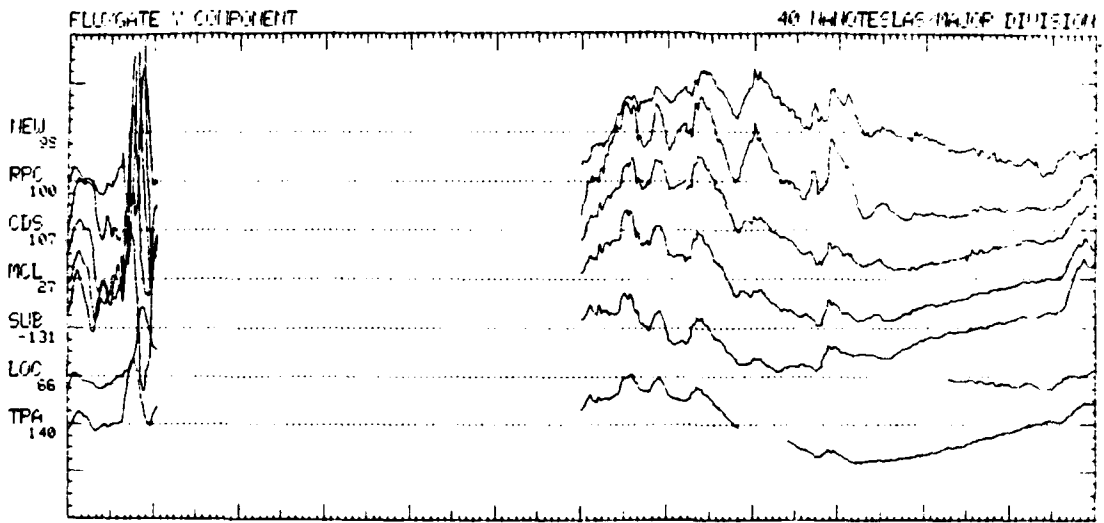
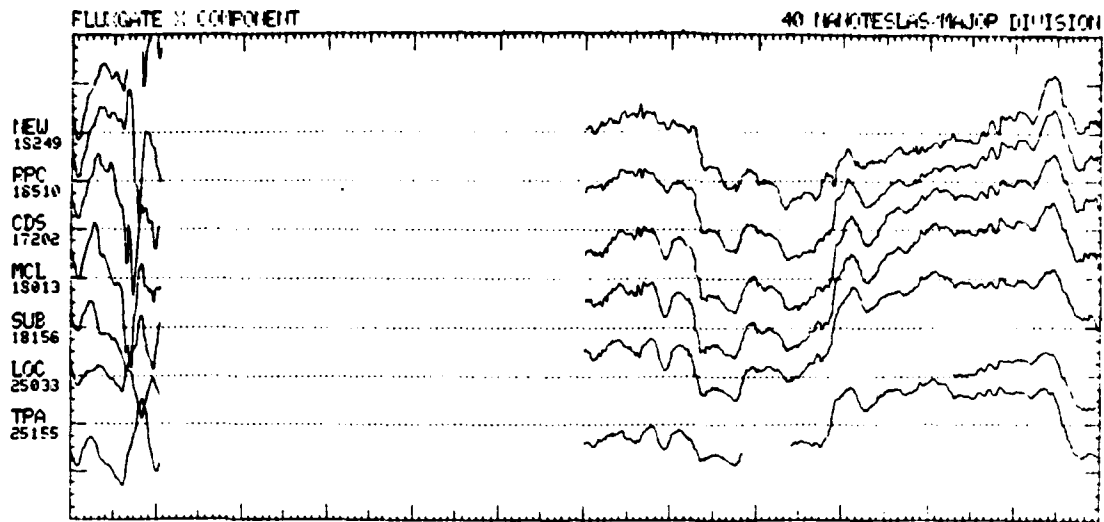
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
20 HRS TO (24H TO 1100) ◀ INTERVAL TIME ▶ FULL INJECTOR RETURN

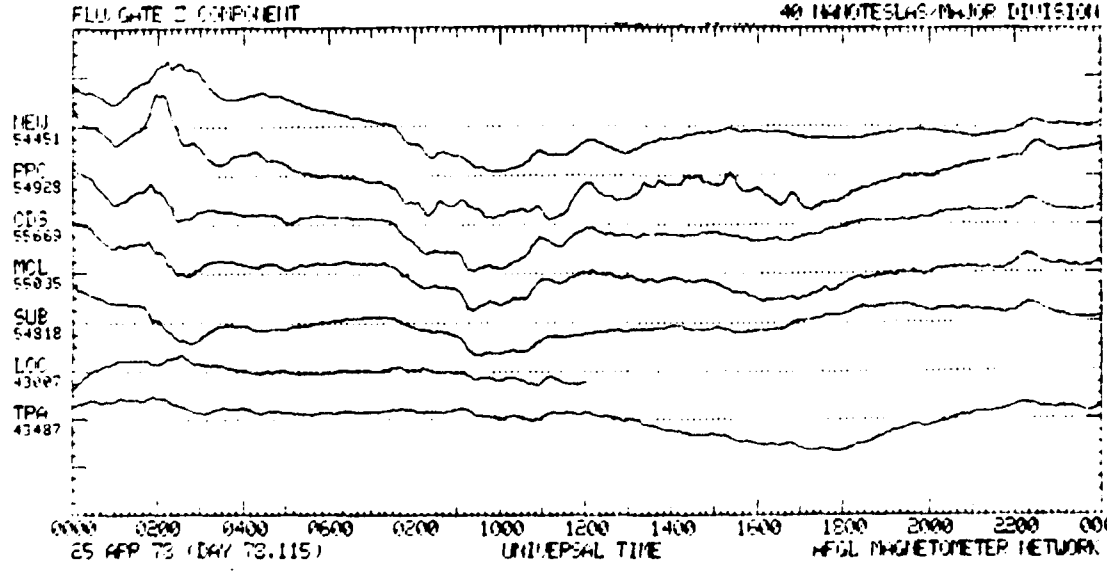
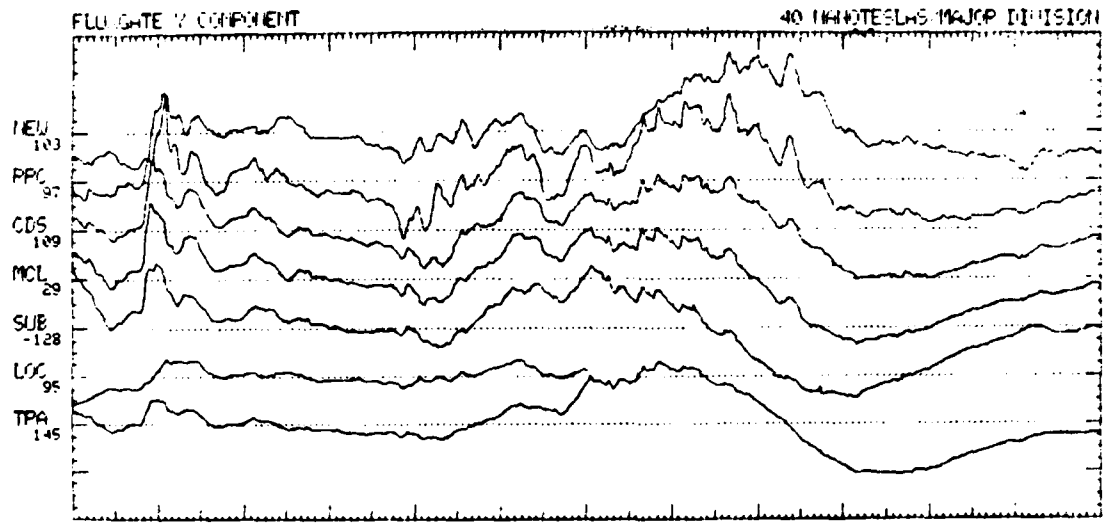
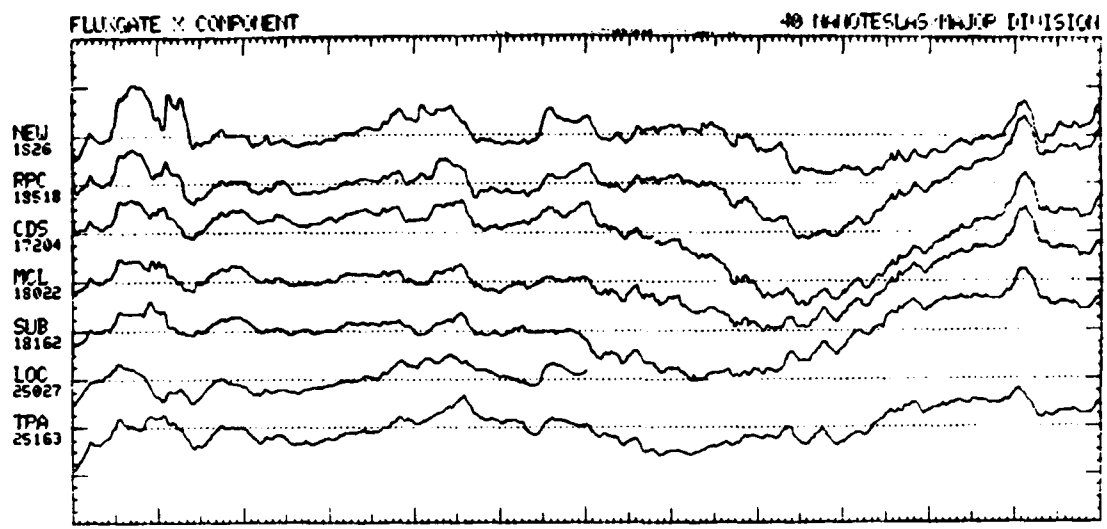






0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 23 APR 73 (DAY 72.113) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK



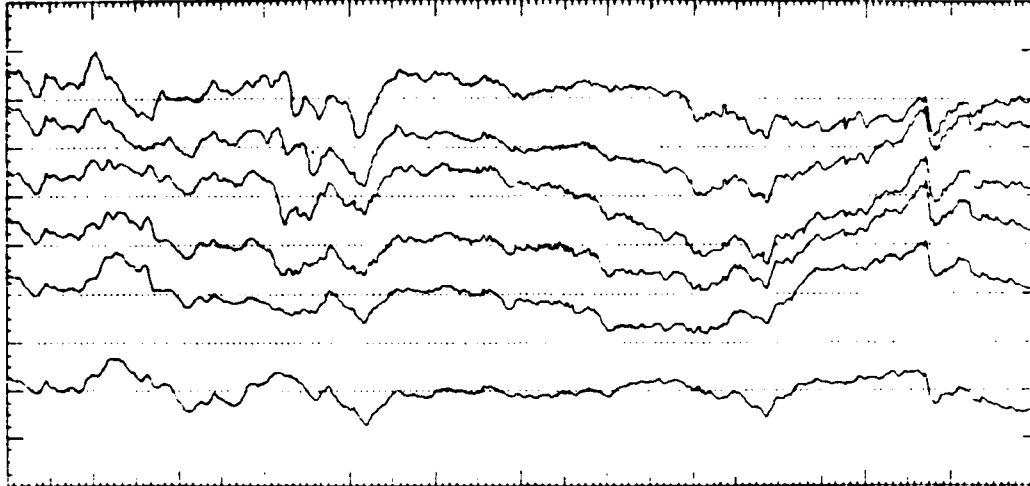


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 25 APR 73 (DAY 73.115) UNIVERSAL TIME MFL MAGNETOMETER NETWORK

FLIGHTLINE Y COMPONENT

40 INDIANTELLAS/INJOP DIVISION

NEU
18271
PPC
18533
CDS
17217
MCL
18936
SUB
19176
LOC
25027
TPA
2517

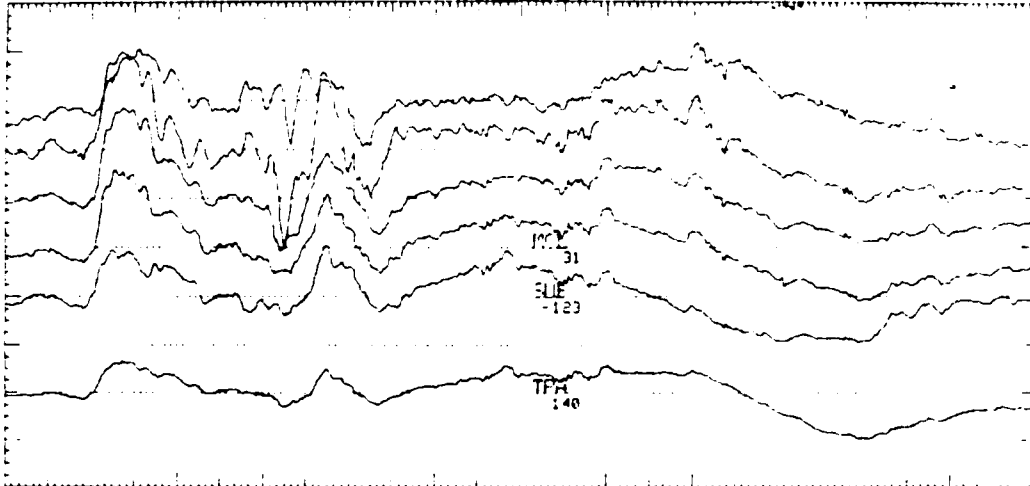


FLIGHTLINE Y COMPONENT

40 INDIANTELLAS/INJOP DIVISION

NEU
104
PPC
91
CDS
10
LOC
85

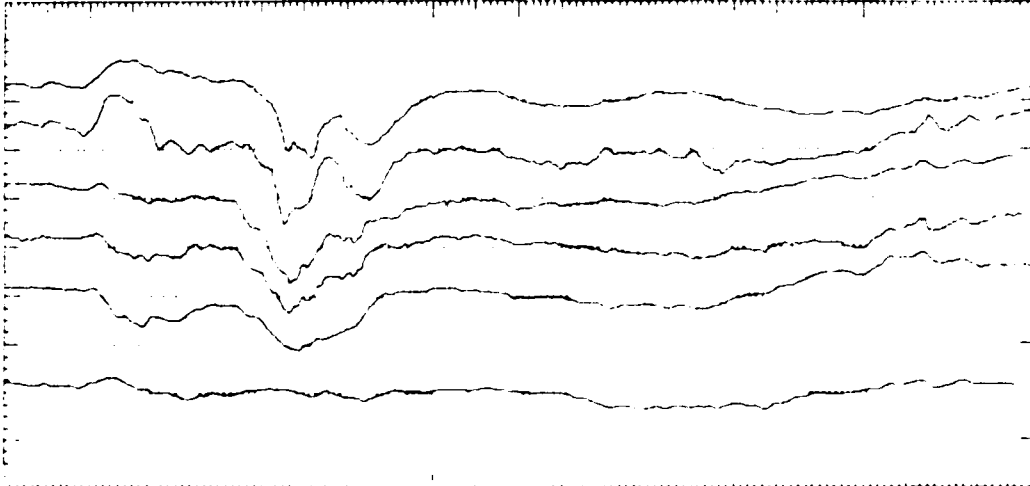
MCL
31
SUB
123
TPA
140



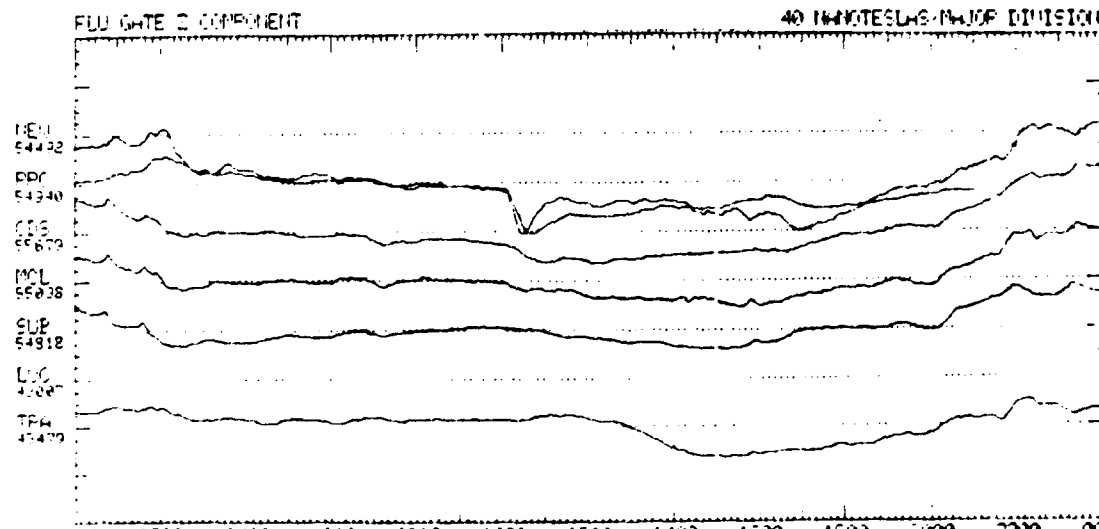
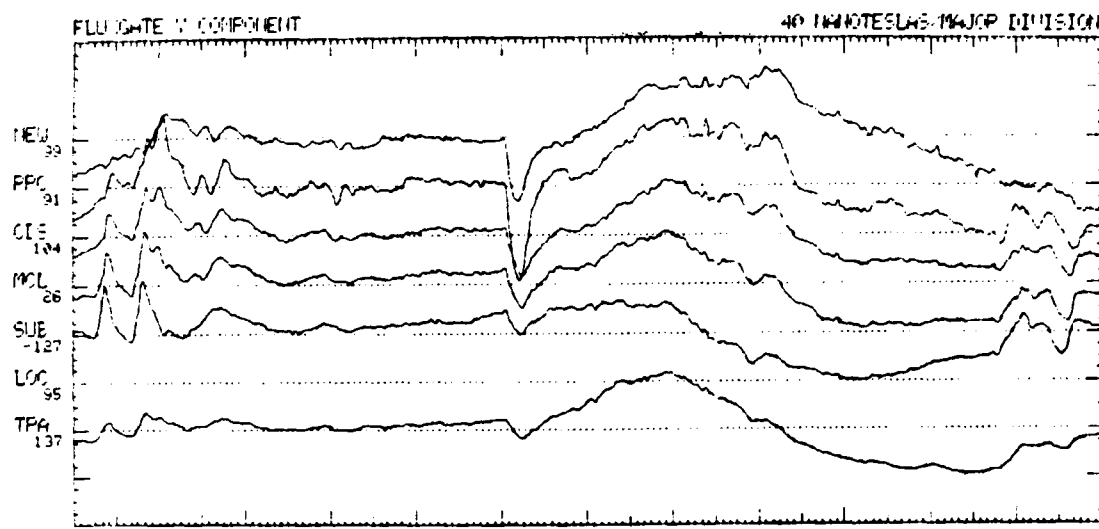
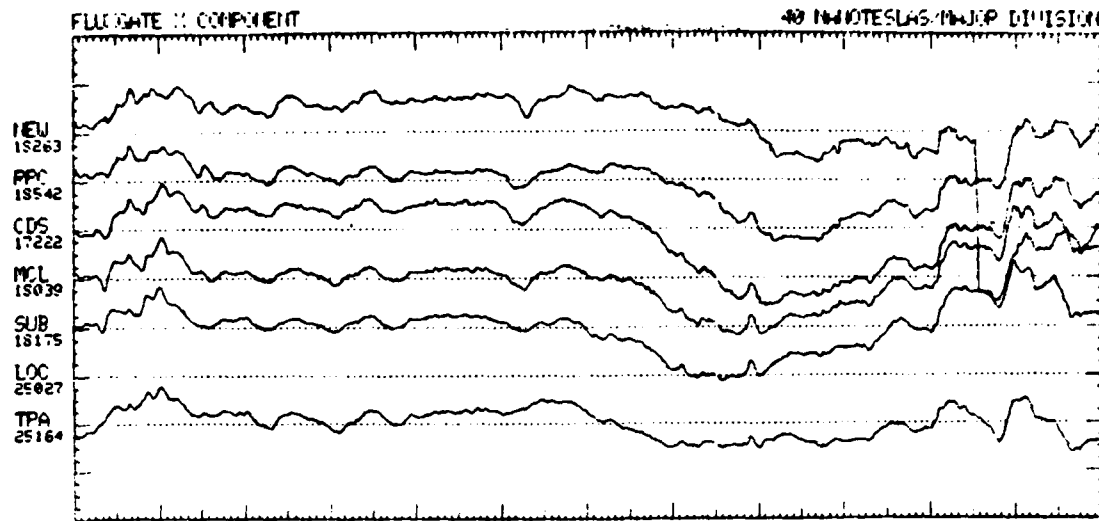
FLIGHTLINE Z COMPONENT

40 INDIANTELLAS/INJOP DIVISION

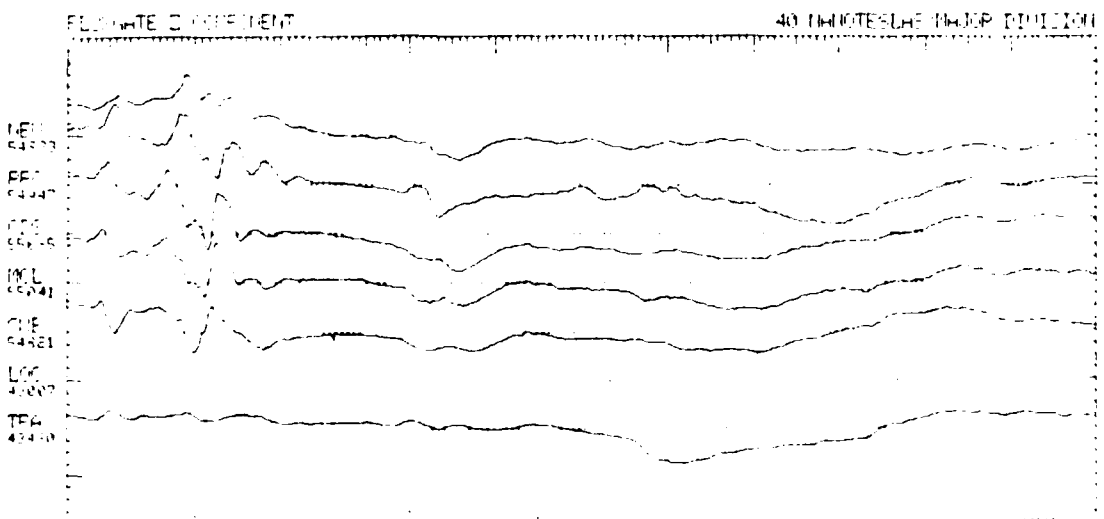
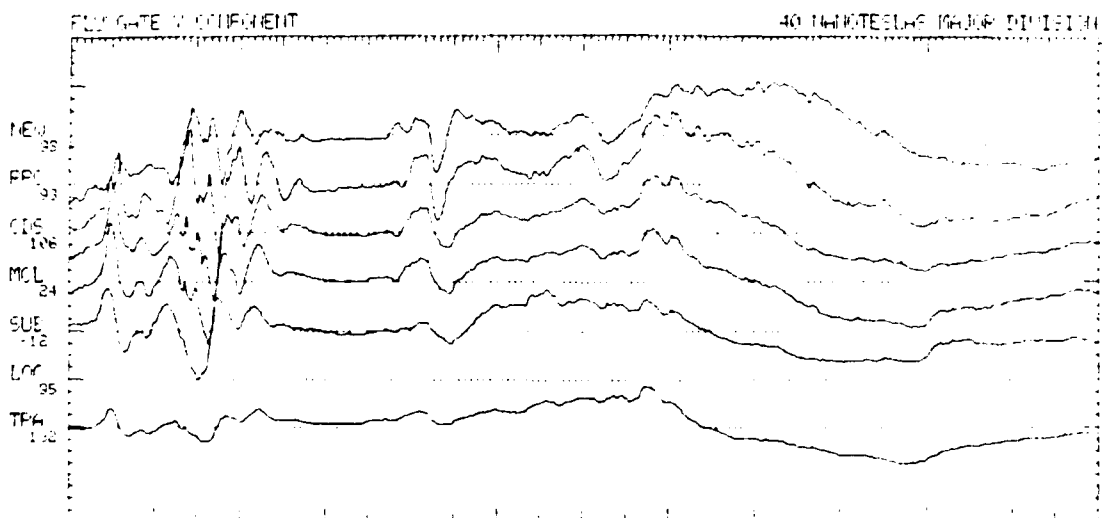
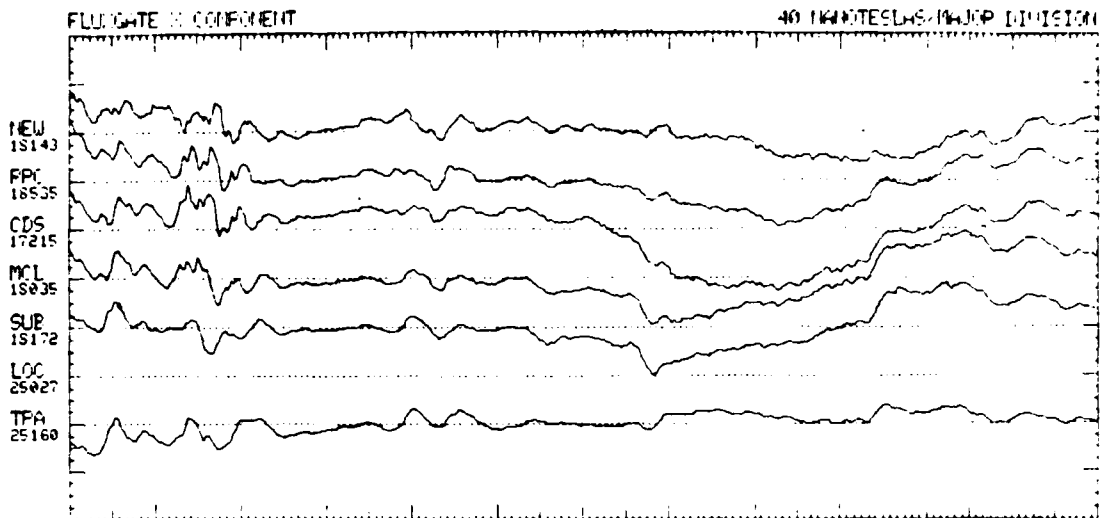
NEU
54443
PPC
54937
CDS
45673
MCL
55035
SUB
54815
LOC
45007
TPA
43488



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
26 APR 78 (047 78.116) UNIVERSAL TIME HGL MAGNETOMETER NETWORK



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 27 APR 75 (047 72.117) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

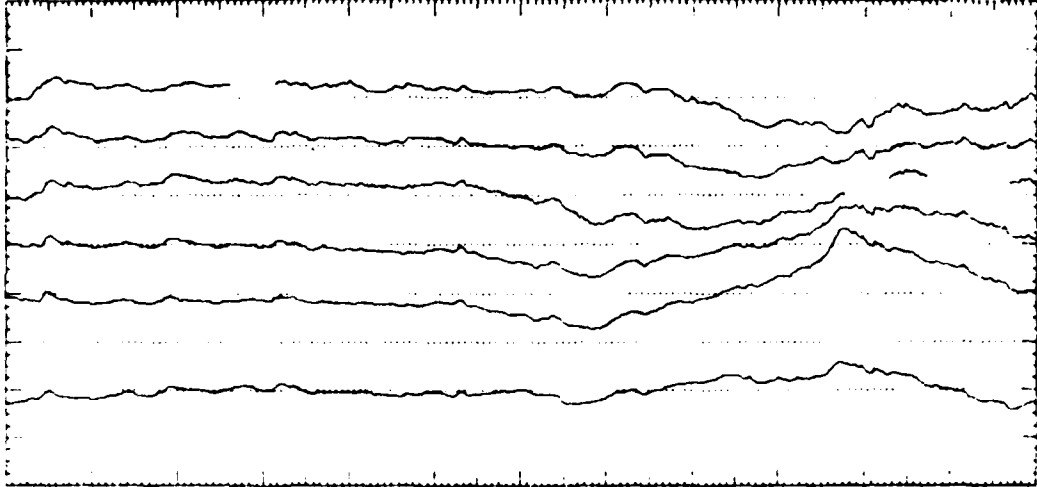


0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700 1800
 23 APR 73 (04/23.113) UNIVERSAL TIME HGL INDIANAPOLIS NETWORK

FLIGHT 11 COMPONENT

40 NANOTESLAH-MAGNETOMETER DIVISION

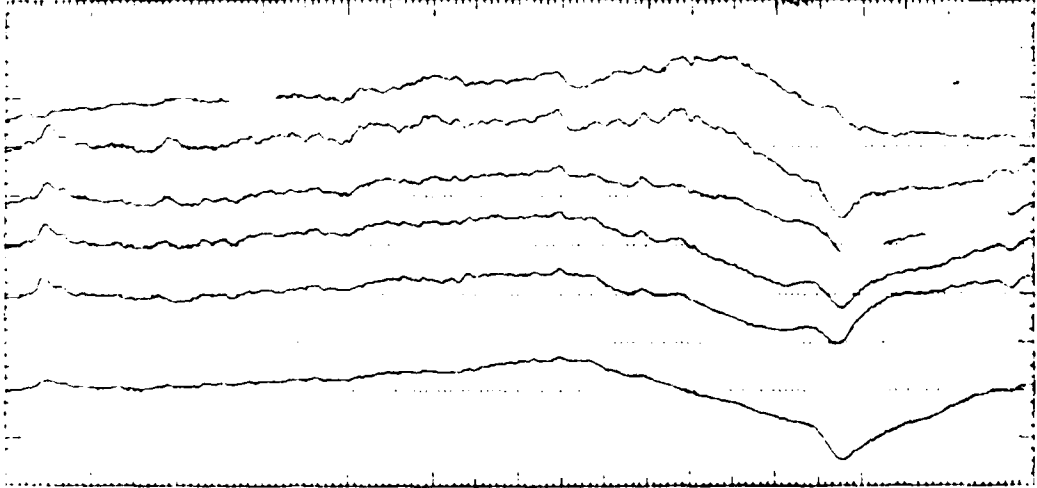
MEU
15151
FPI
1554W
CDE
17225
MCL
15048
SUE
15156
LOR
25027
TPA
25170



FLIGHT 11 COMPONENT

40 NANOTESLAH-MAGNETOMETER DIVISION

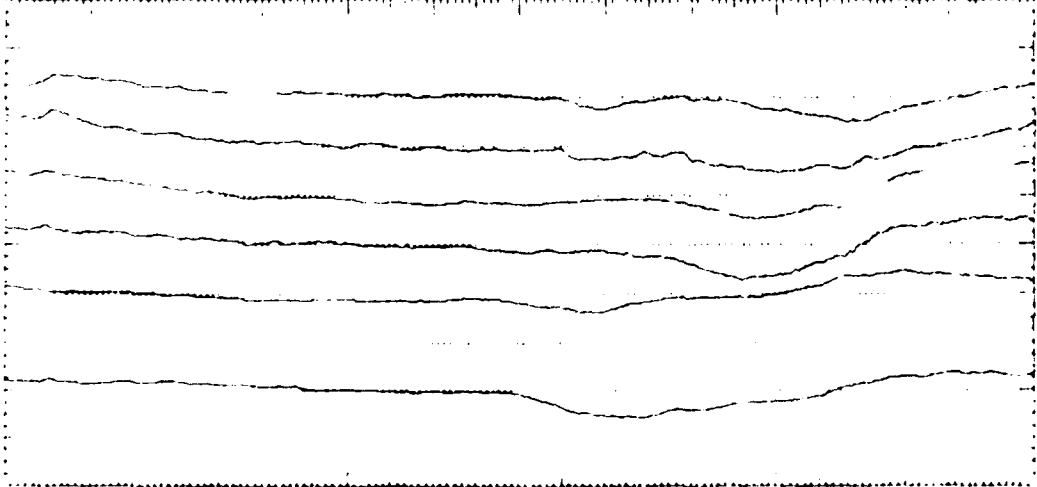
MEU
15151
FPI
1554W
CDE
17225
MCL
15048
SUE
15156
LOR
25027
TPA
25170



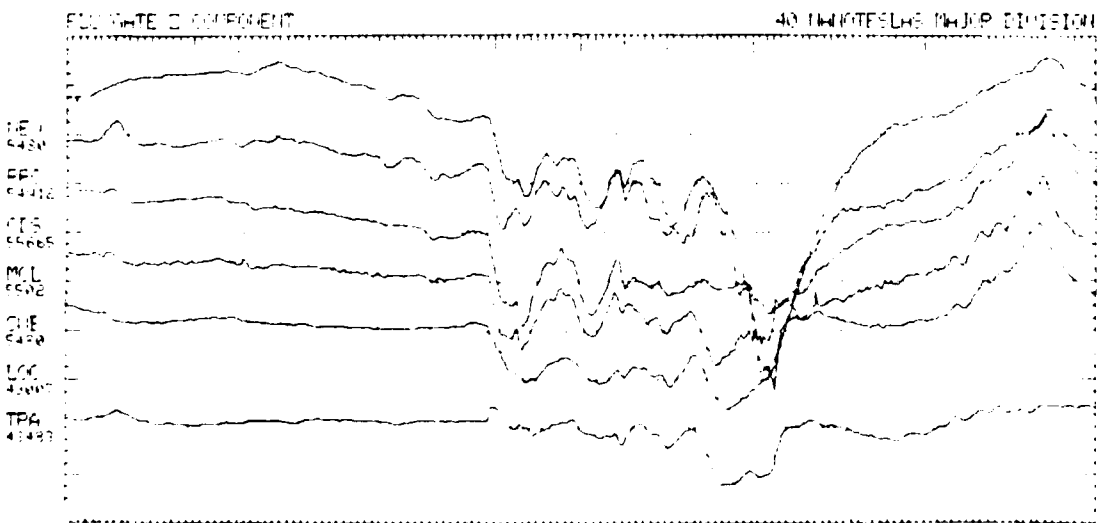
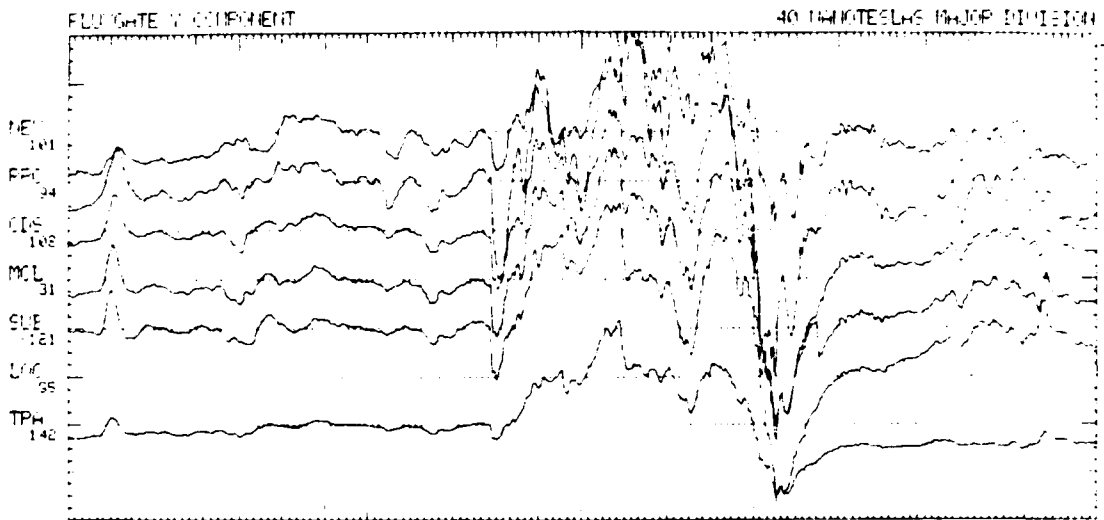
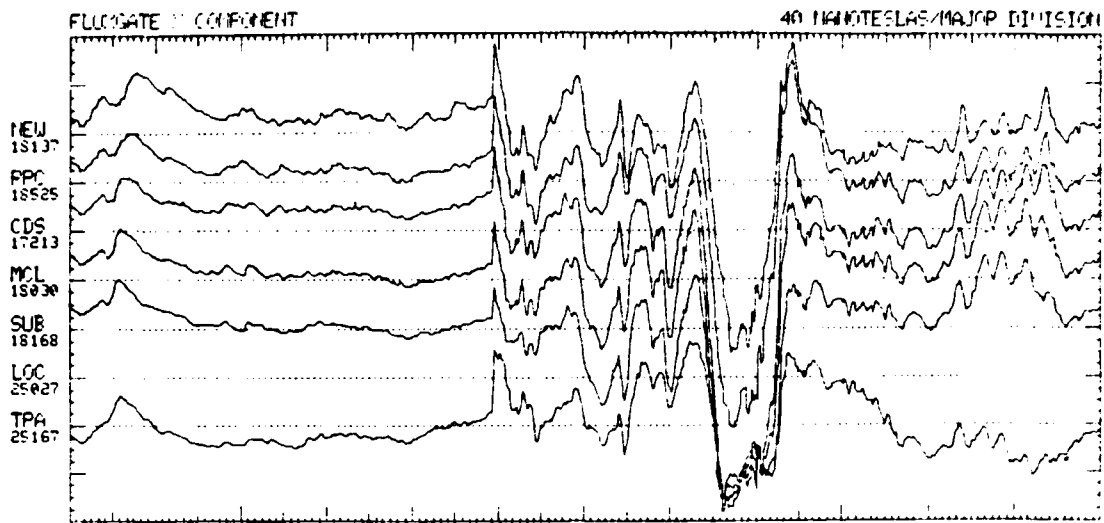
FLIGHT 11 COMPONENT

40 NANOTESLAH-MAGNETOMETER DIVISION

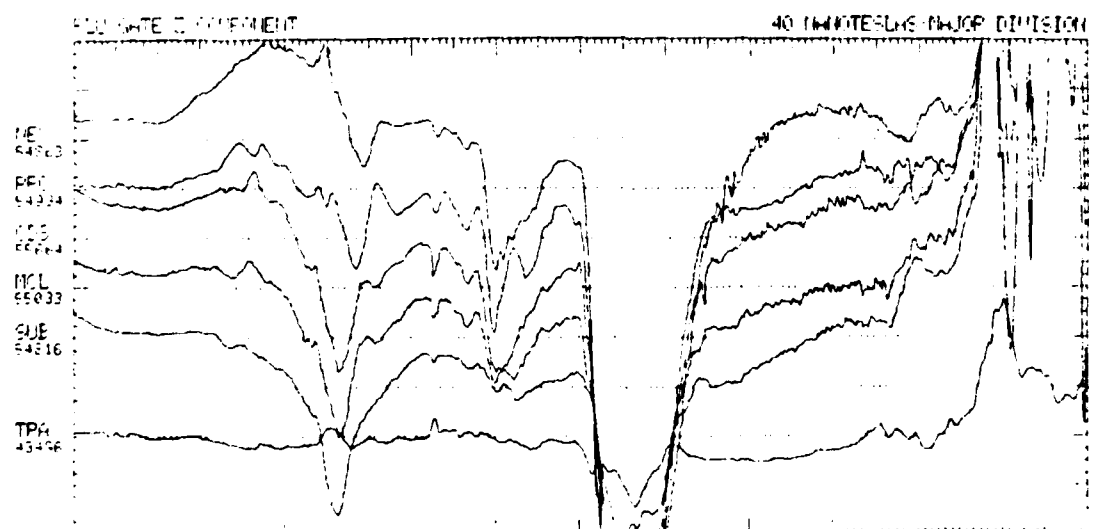
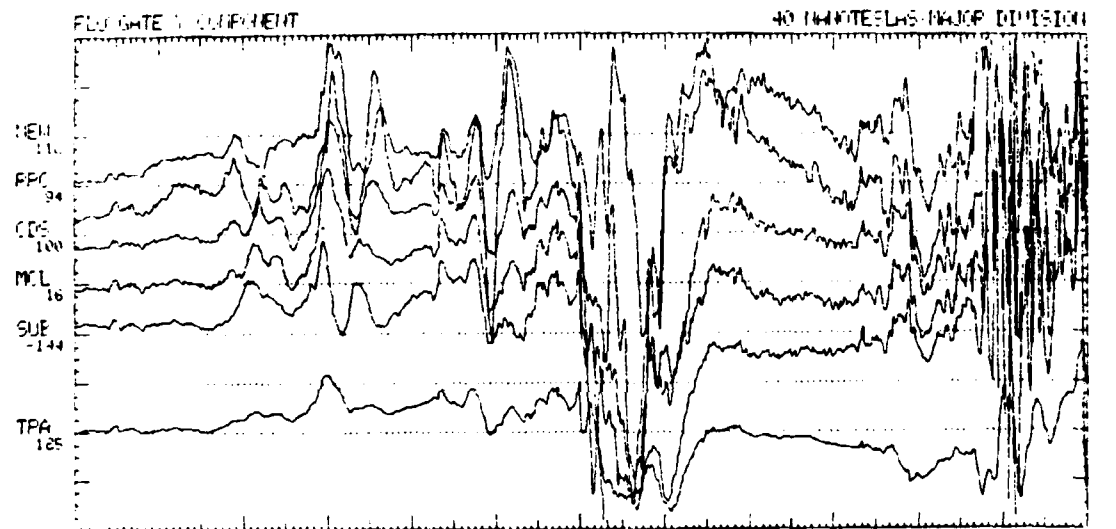
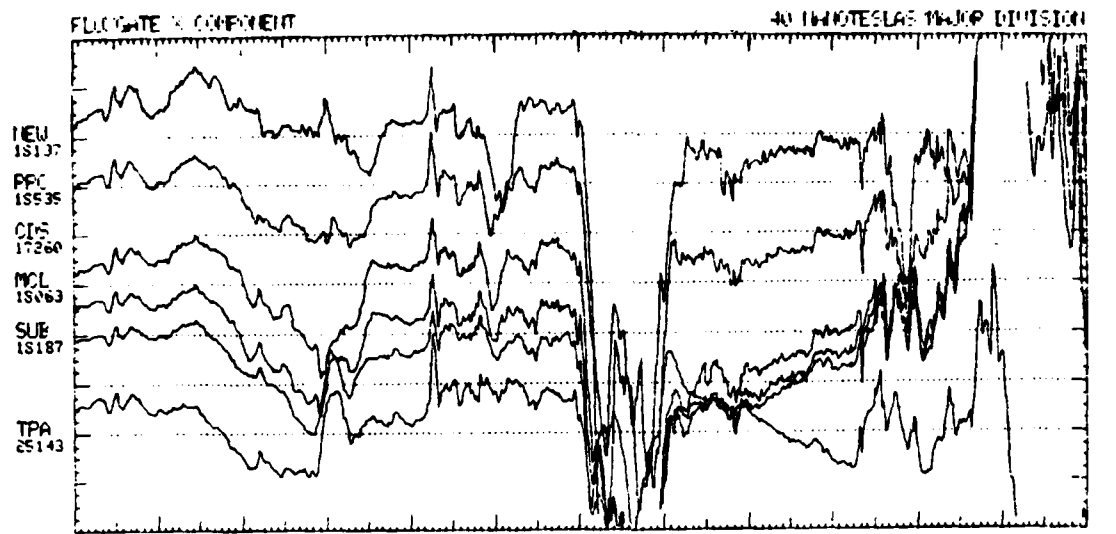
MEU
15151
FPI
1554W
CDE
17225
MCL
15048
SUE
15156
LOR
25027
TPA
25170



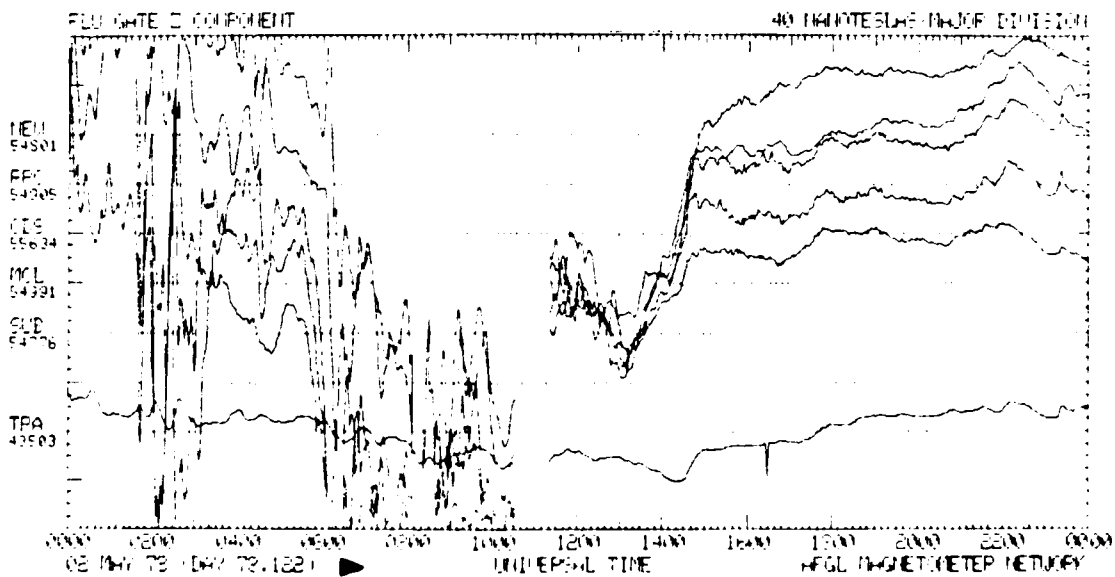
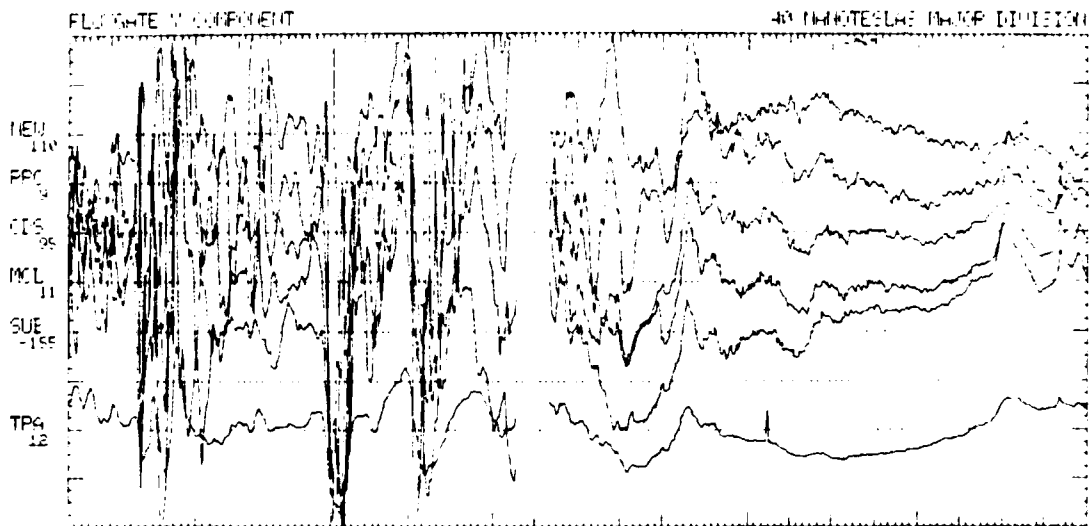
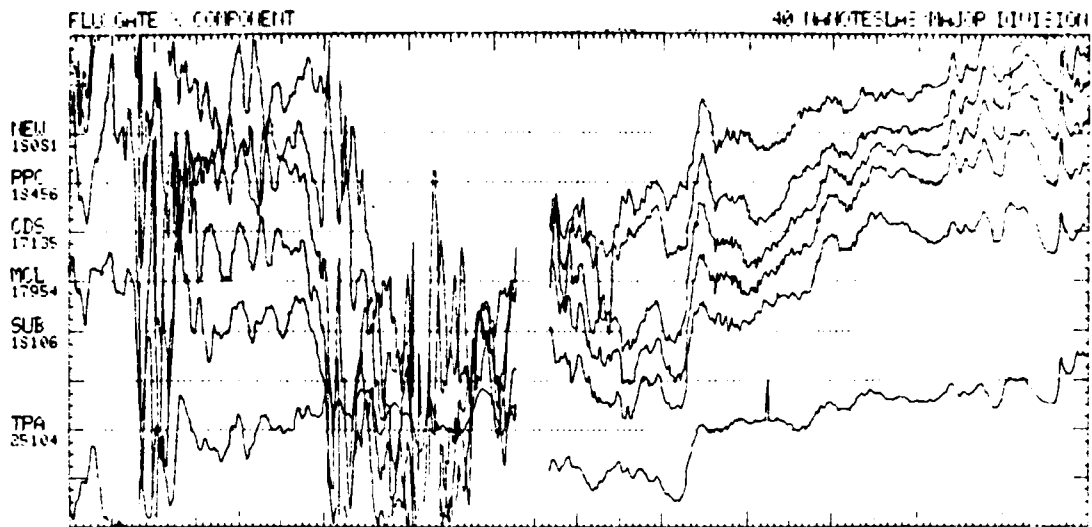
0000 0500 1000 1500 2000 0000
UNIVERSAL TIME MAGNETOMETER NETWORK

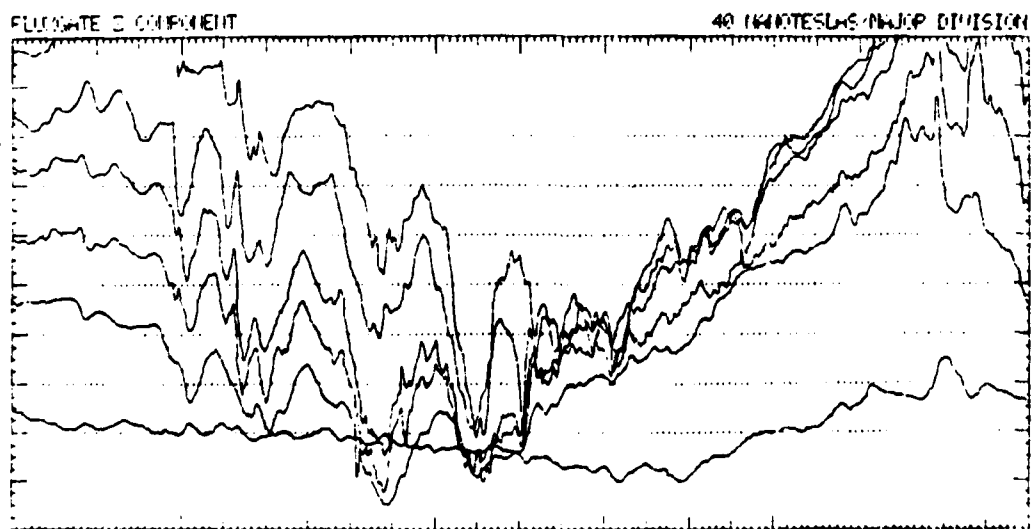
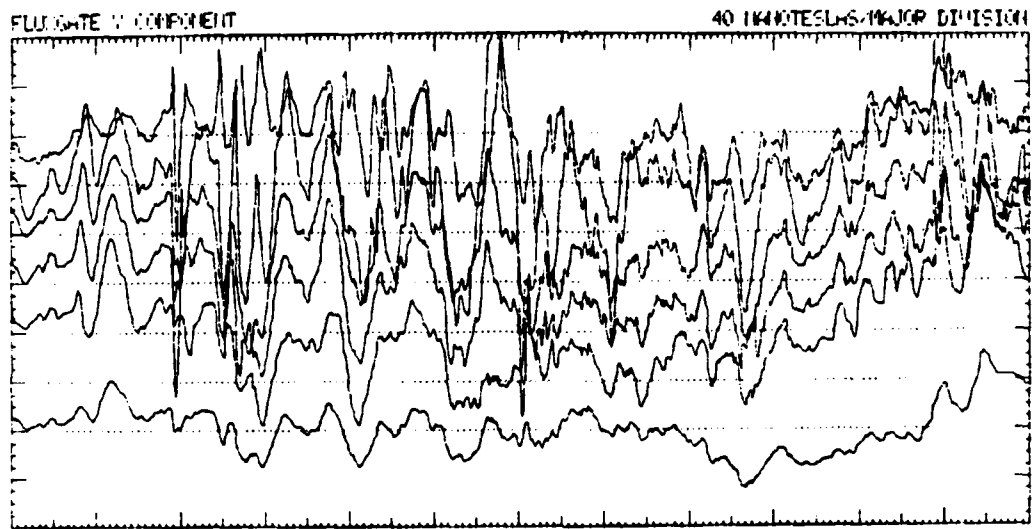
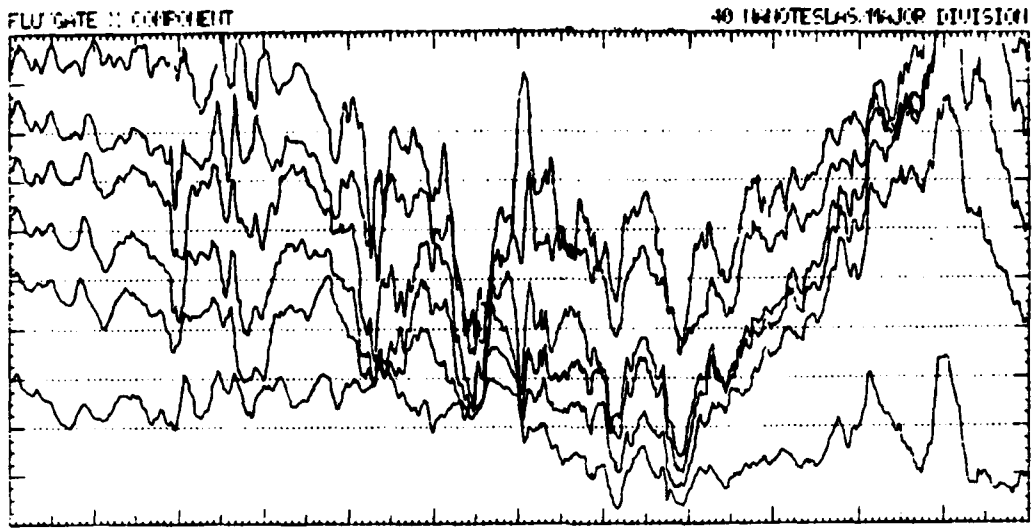


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 10 APR 73 (0400 05:1200) ► UNIVERSAL TIME MAGNETOMETER NETWORK

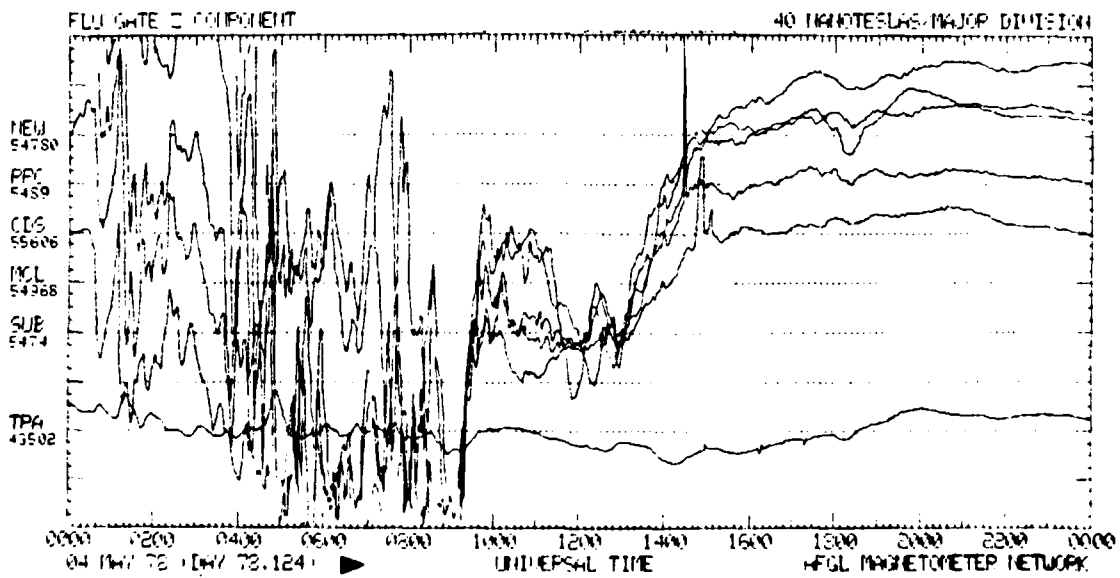
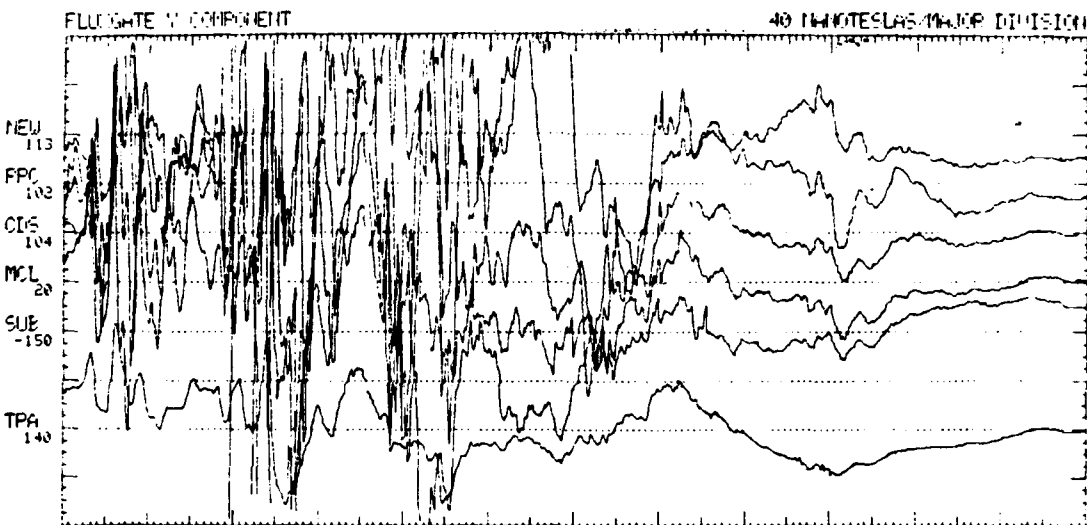
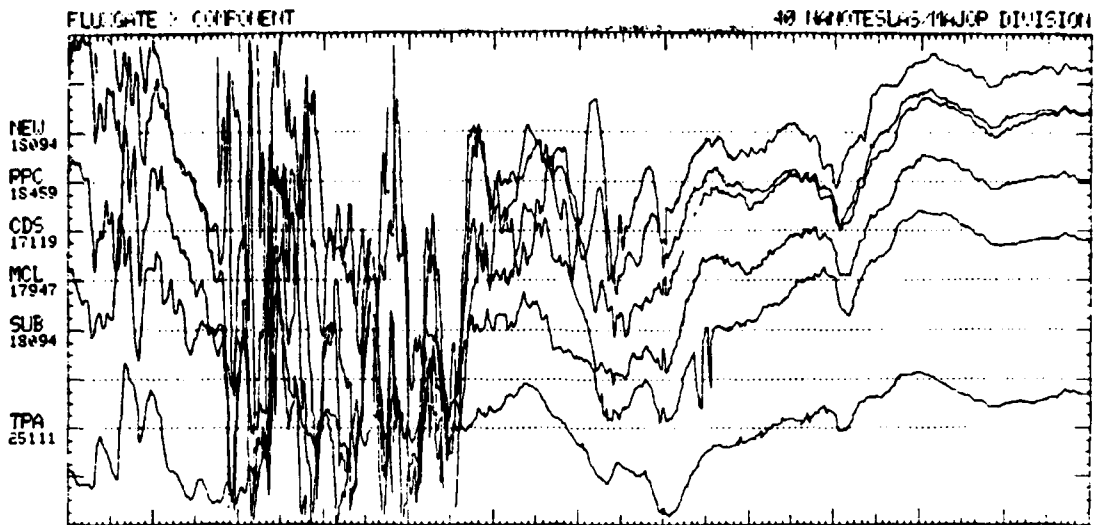


0000 0500 0400 0500 0500 1000 1200 1400 1600 1800 2000 2200 0000
 01 MAY 72 (MAY 73.121) ▶ UNIVERSAL TIME REG. INCHMETER NETWORK





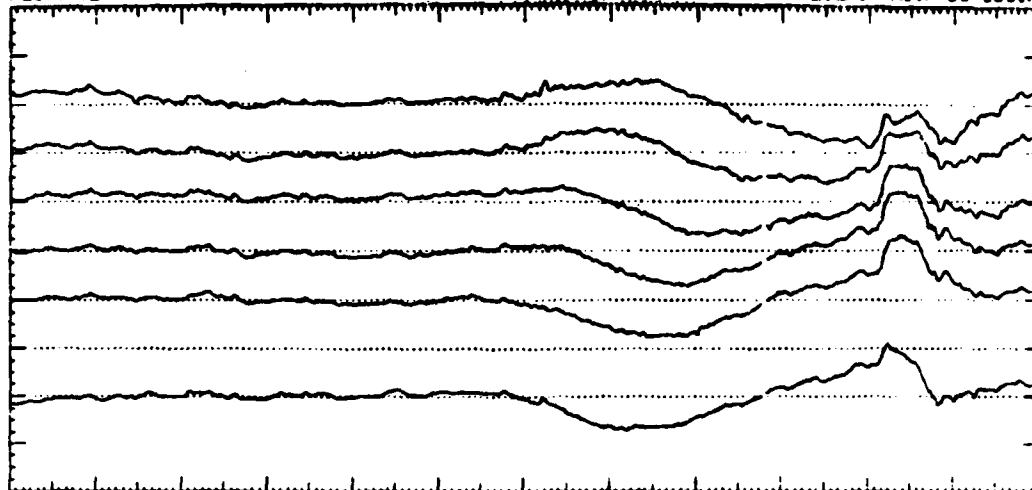
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 03 MAY 78 (047 78.123) ▶ UNIVERSAL TIME FGL MAGNETOMETER NETWORK



FLUXGATE Y COMPONENT

40 GAUSS/MAJOR DIVISION

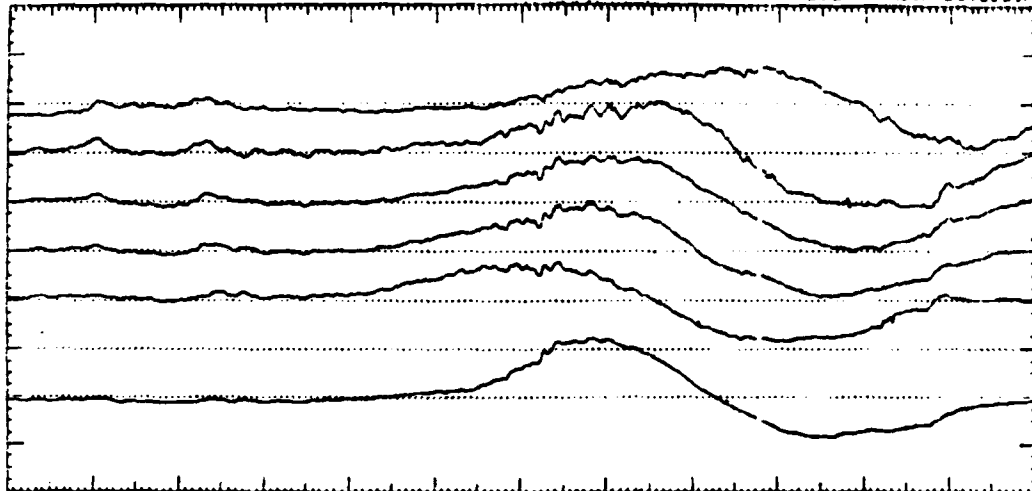
NEU
18139
PPC
18514
CDS
17215
MCL
18030
SUB
18168
TPA
25146



FLUXGATE Y COMPONENT

40 GAUSS/MAJOR DIVISION

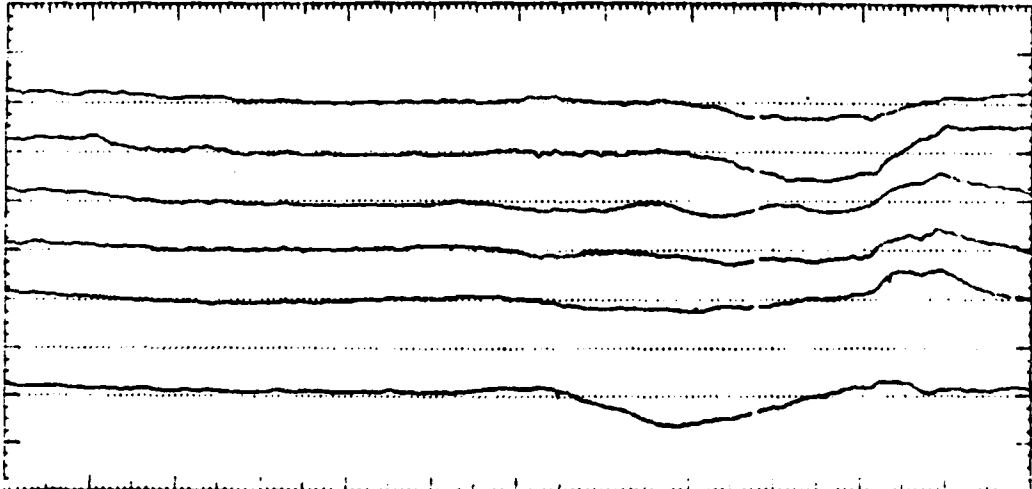
NEU
103
PPC
92
CDS
104
MCL
21
SUB
-133
TPA
142



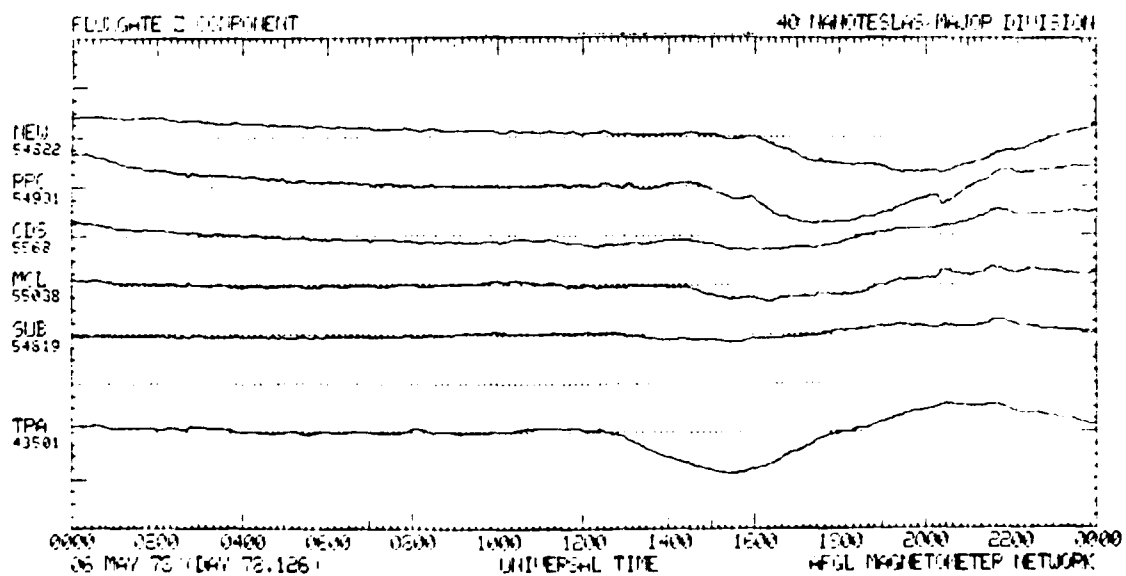
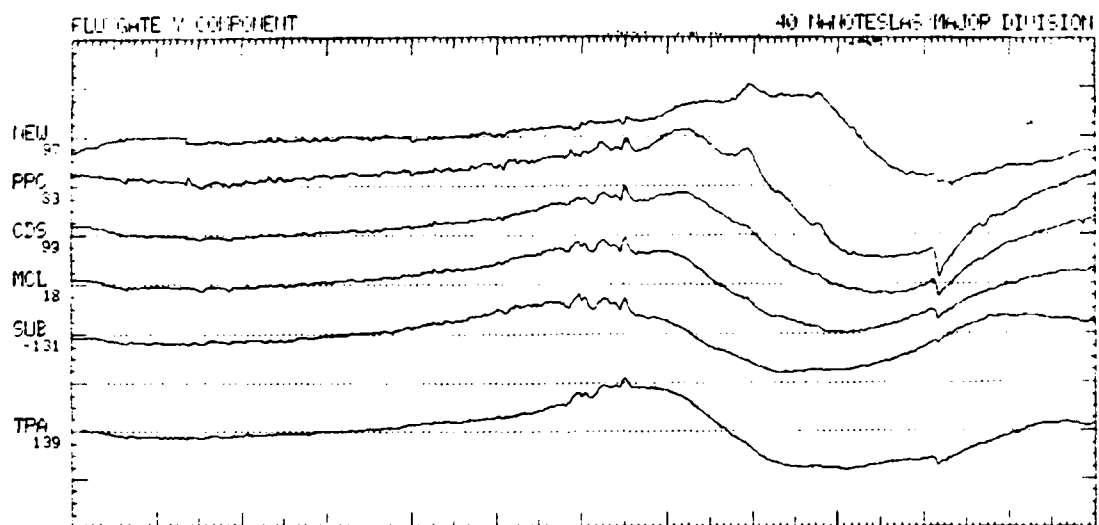
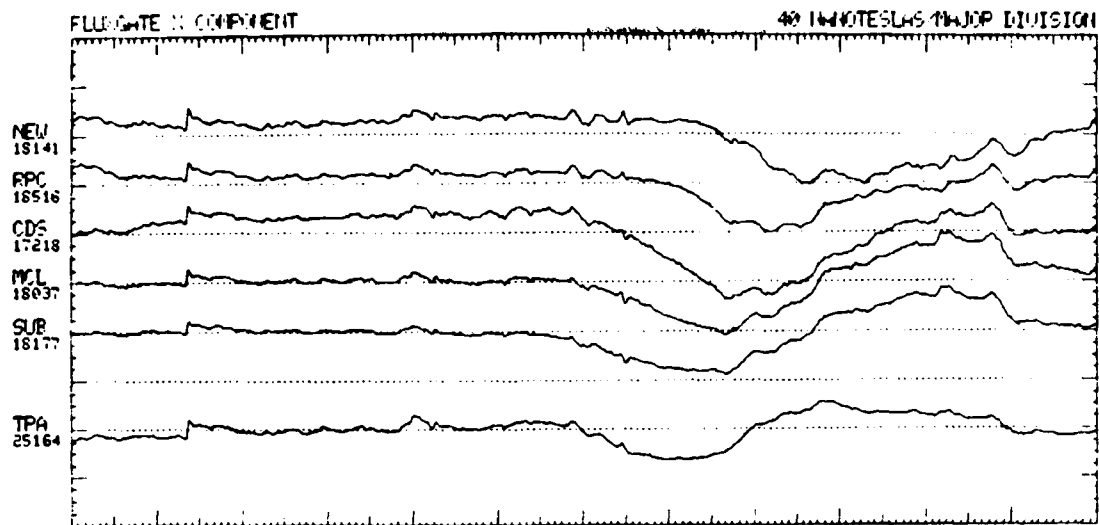
FLUXGATE Z COMPONENT

40 GAUSS/MAJOR DIVISION

NEU
54829
PPC
54928
CDS
55656
MCL
55043
SUB
54818
TPA
43501



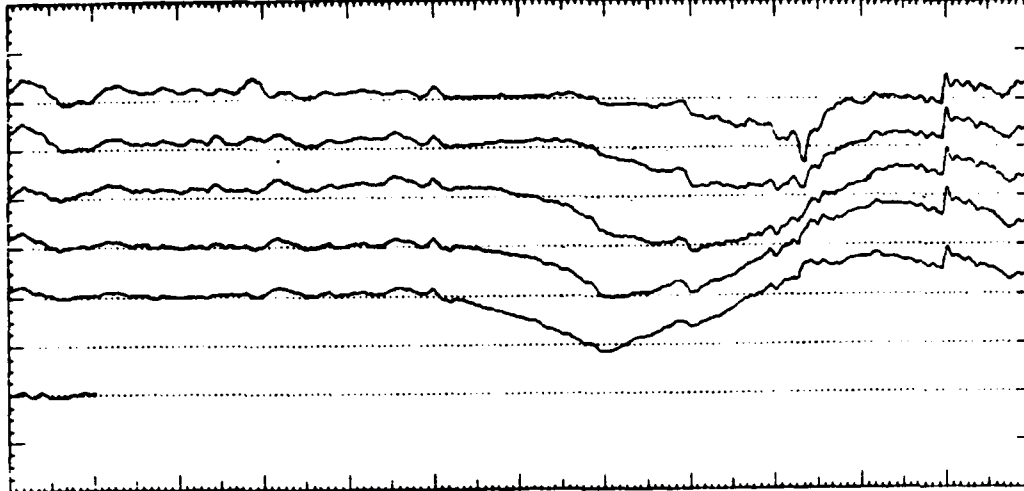
0000 0200 0400 0500 0500 1000 1200 1400 1600 1800 2000 2200 0000
05 MAY 73 (DAY 72.125) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHT 11 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

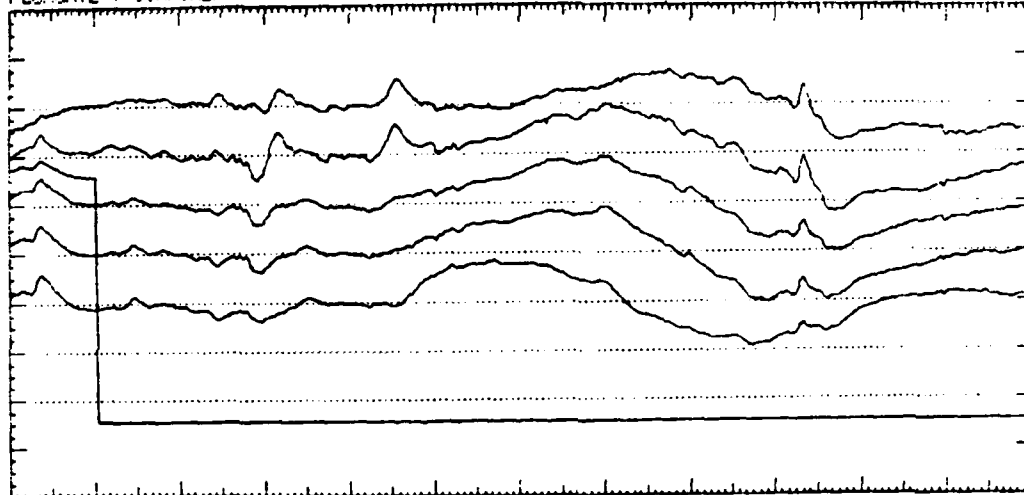
NEU
15148
PPC
15513
CDS
17221
MCL
15038
SUB
18176
TPA
25162



FLIGHT 12 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
102
PPC
95
CDS
107
MCL
22
SUB
-127
TPA
-44



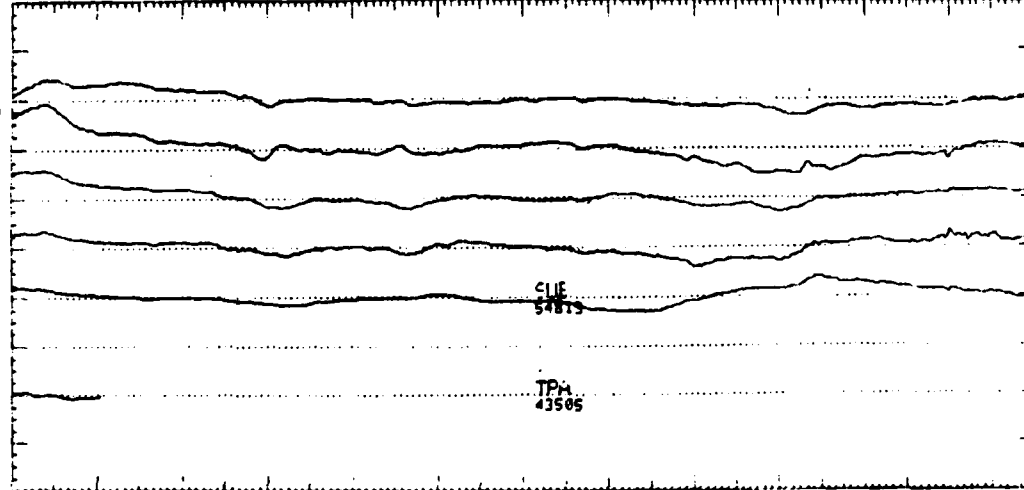
FLIGHT 13 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

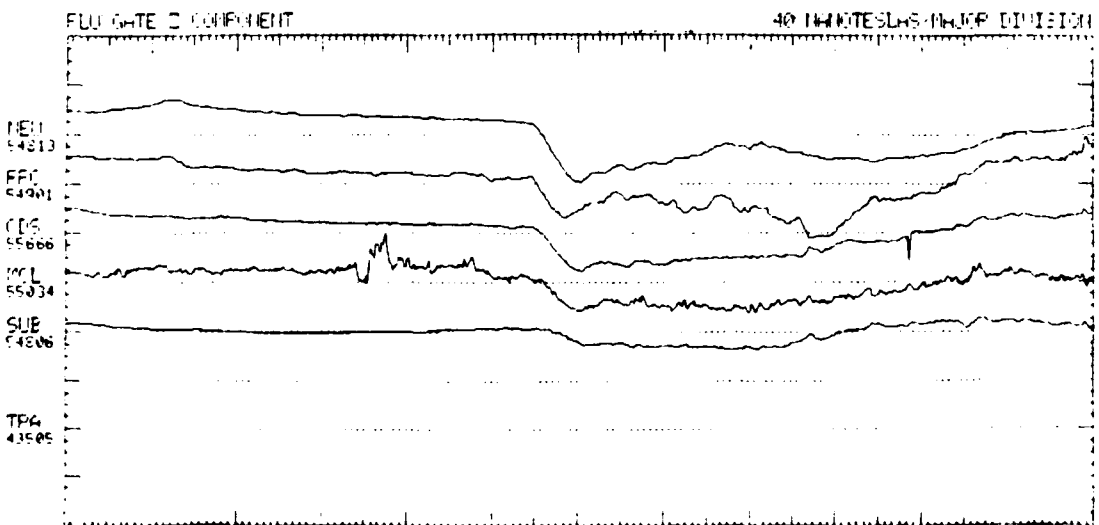
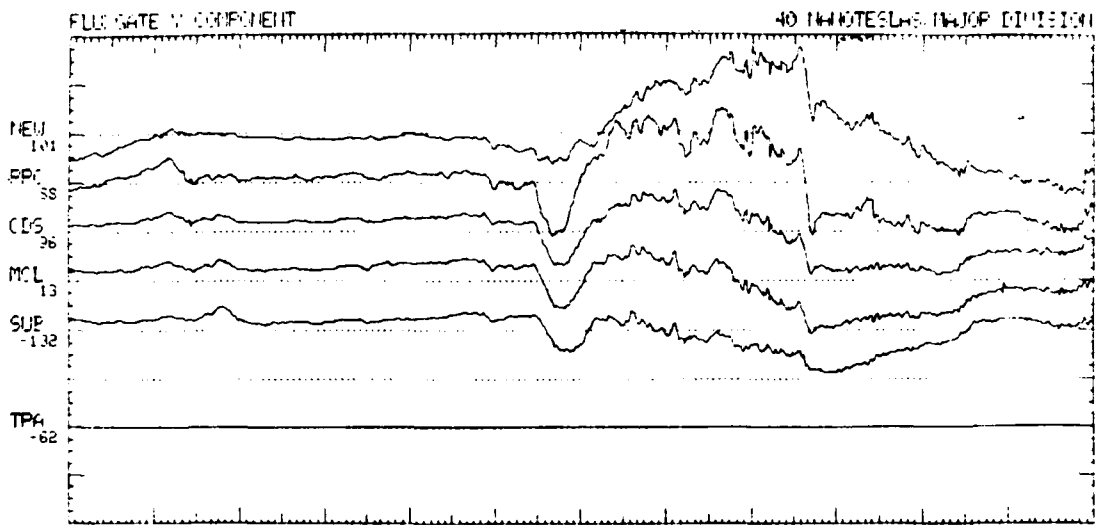
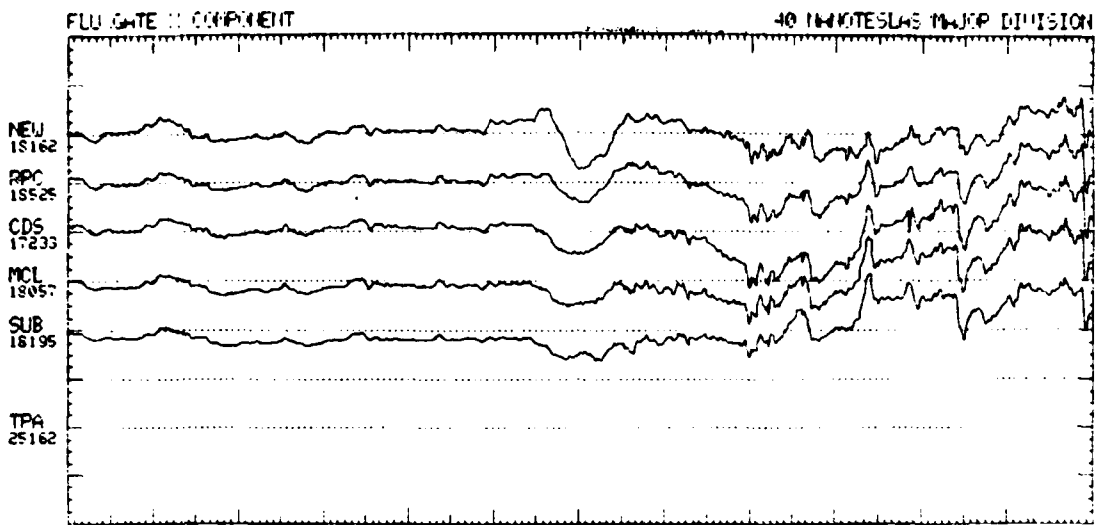
NEU
54529
PPC
54921
CDS
55631
MCL
5503

SUB
54815

TPA
43505



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
07 MAY 73 (DAY 73.127) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

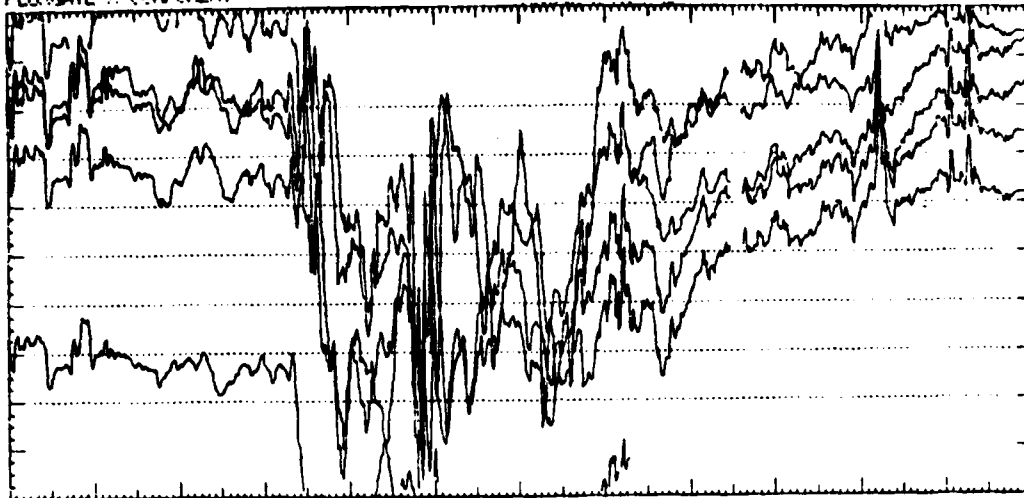


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
08 MAY 73 (147 73.128) UNIVERSAL TIME HFL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

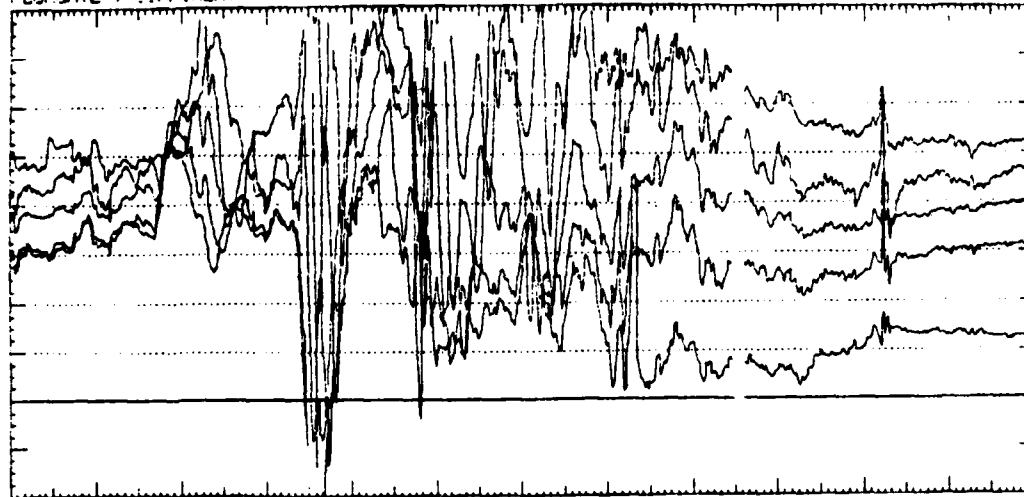
NEU 18996
PPC 18470
CDS 17157
MCL 17991
SUB 18242
TPA 25162



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

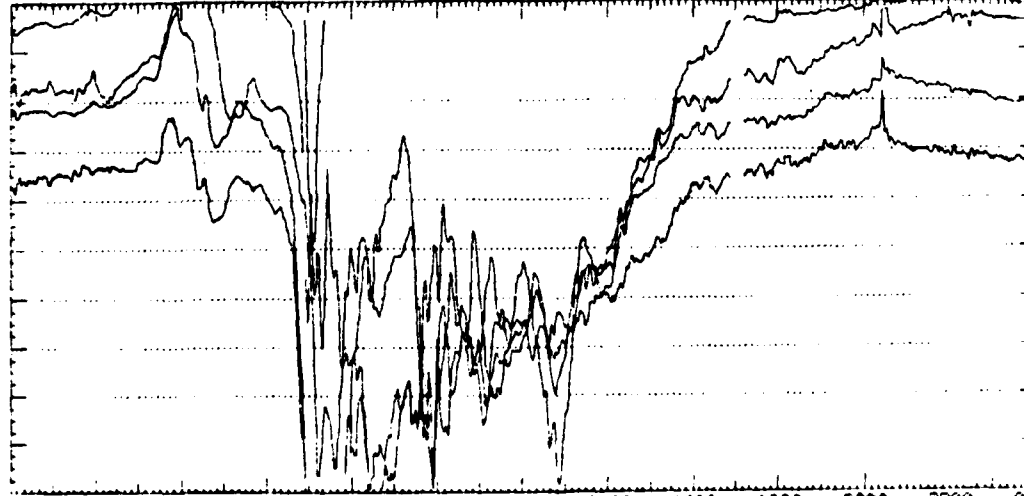
NEU 116
PPC 124
CDS 100
MCL 9
SUB -165
TPA -62



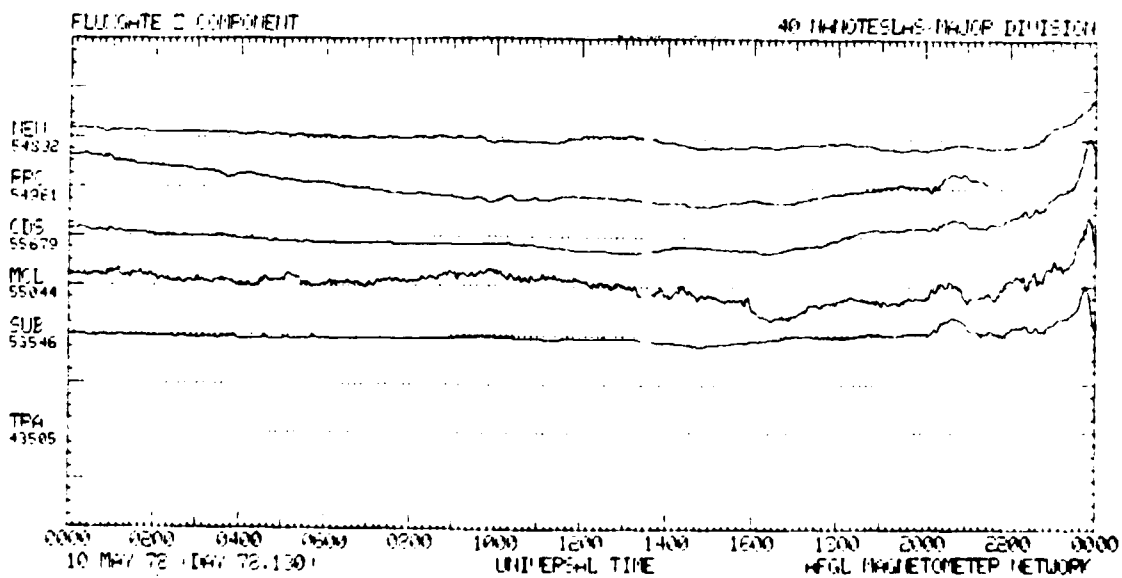
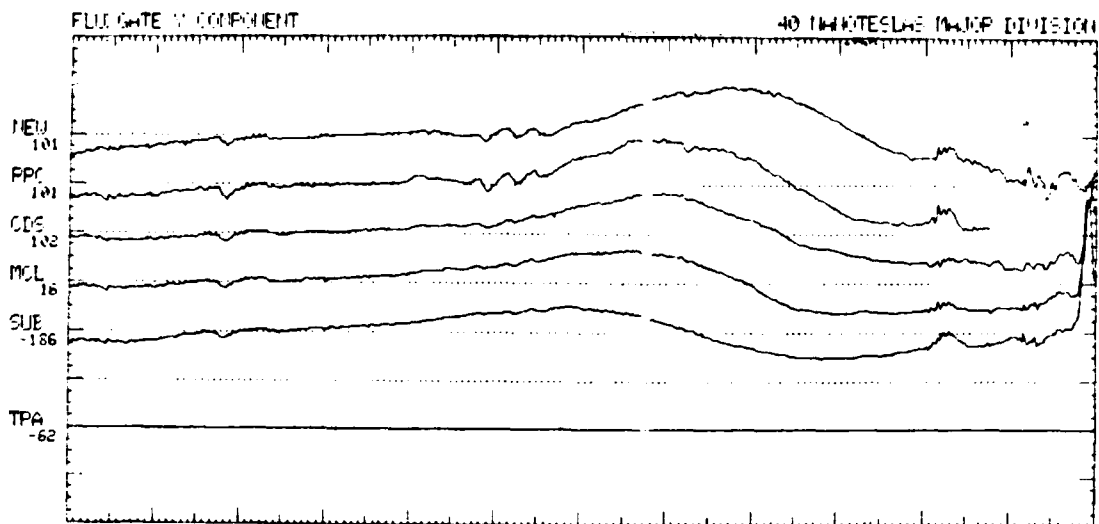
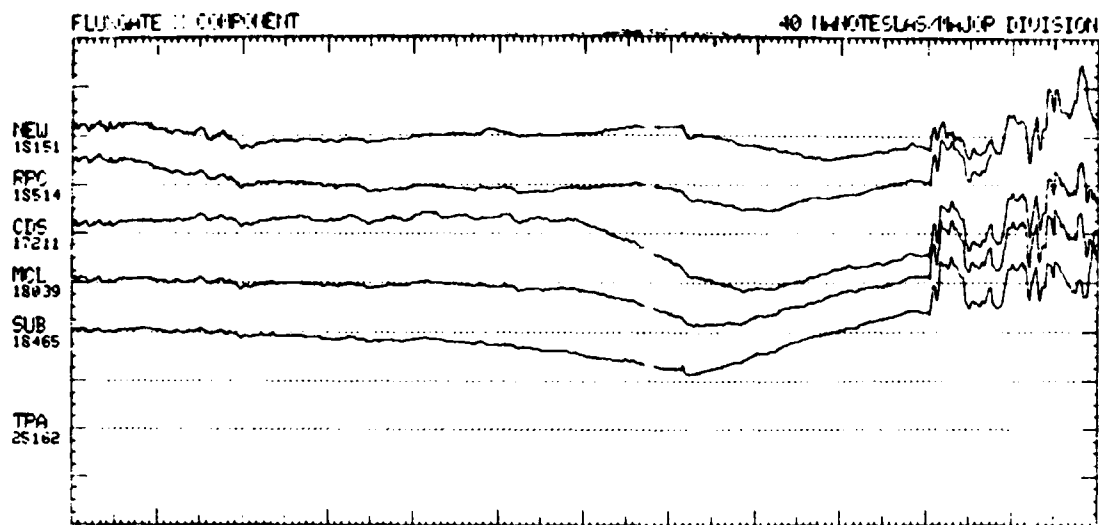
FLIGHTLINE Z COMPONENT

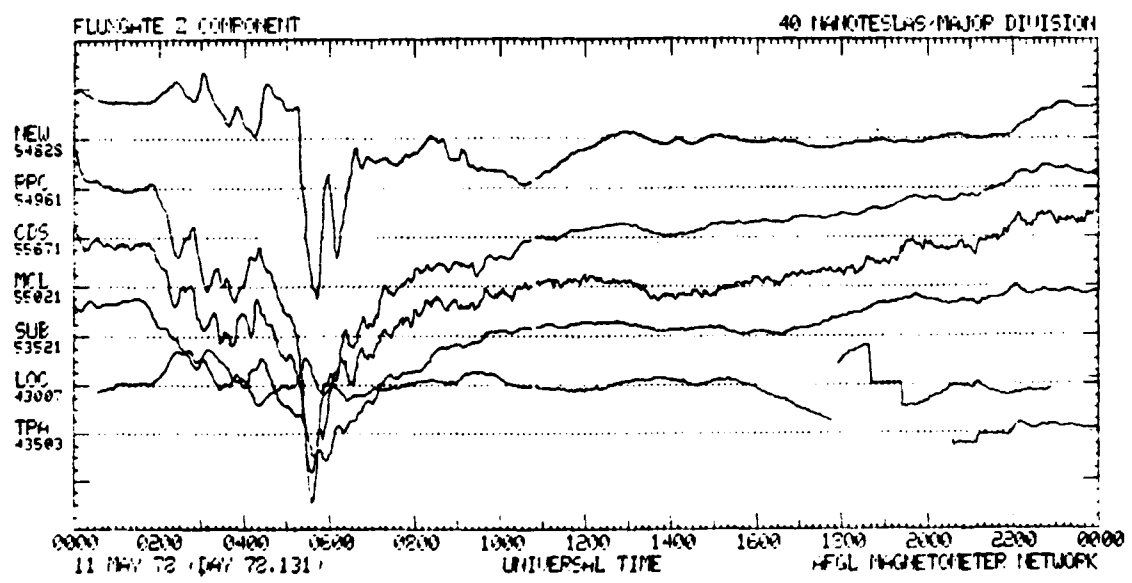
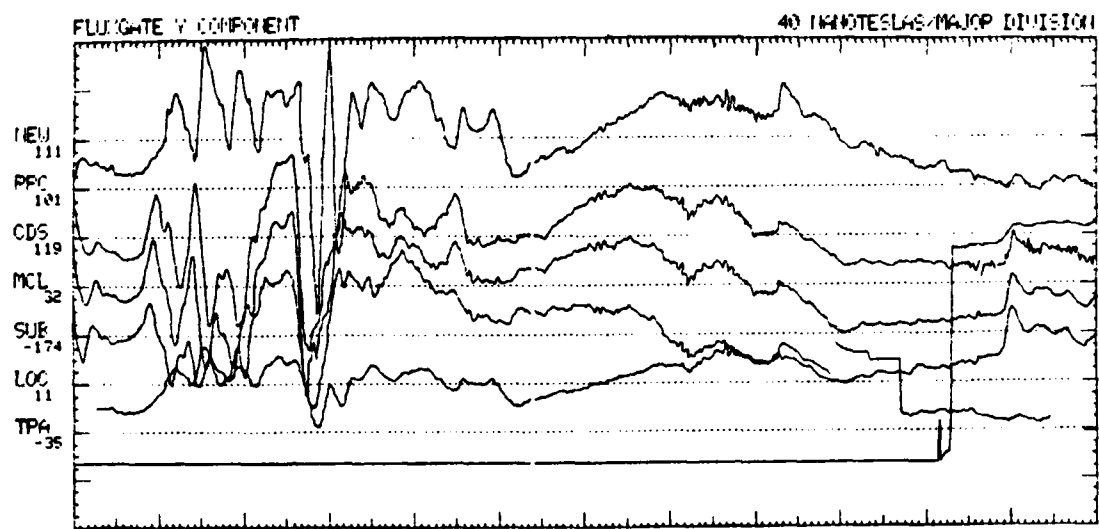
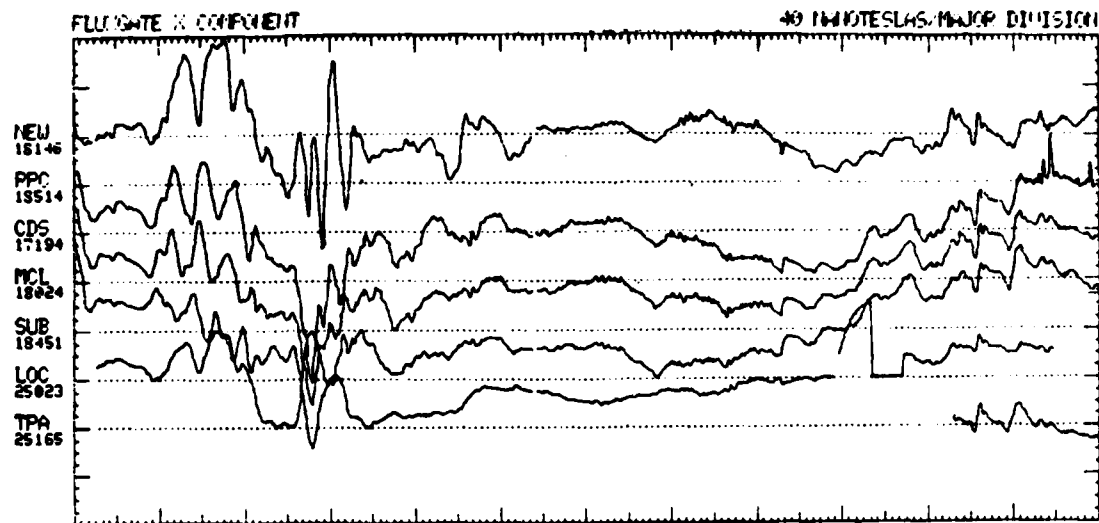
40 NANOTESLAS/MAJOR DIVISION

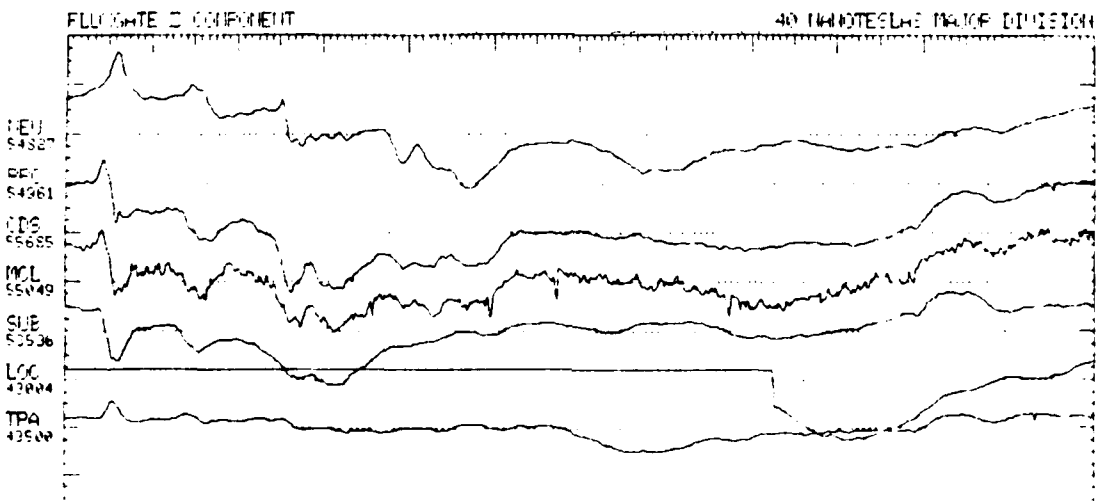
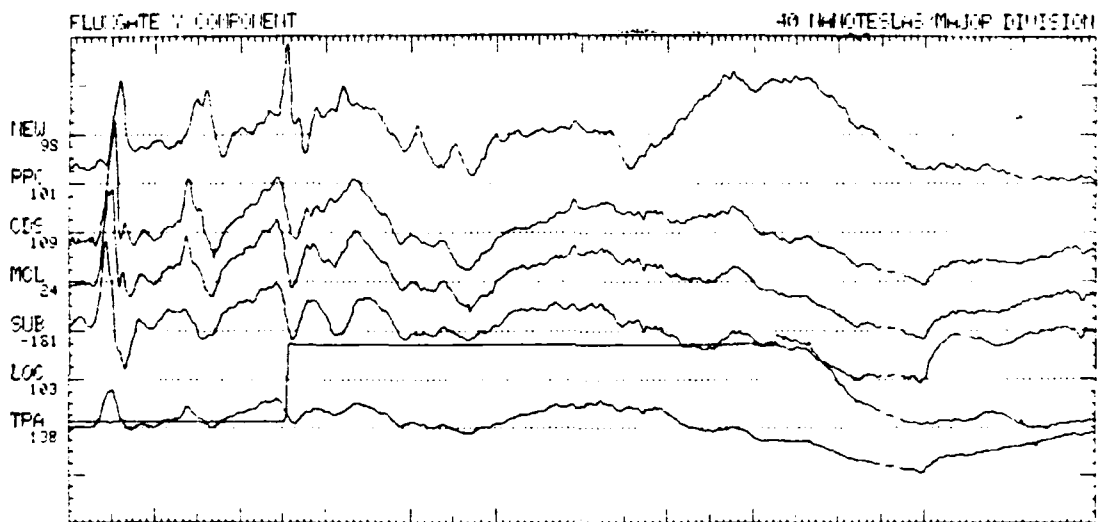
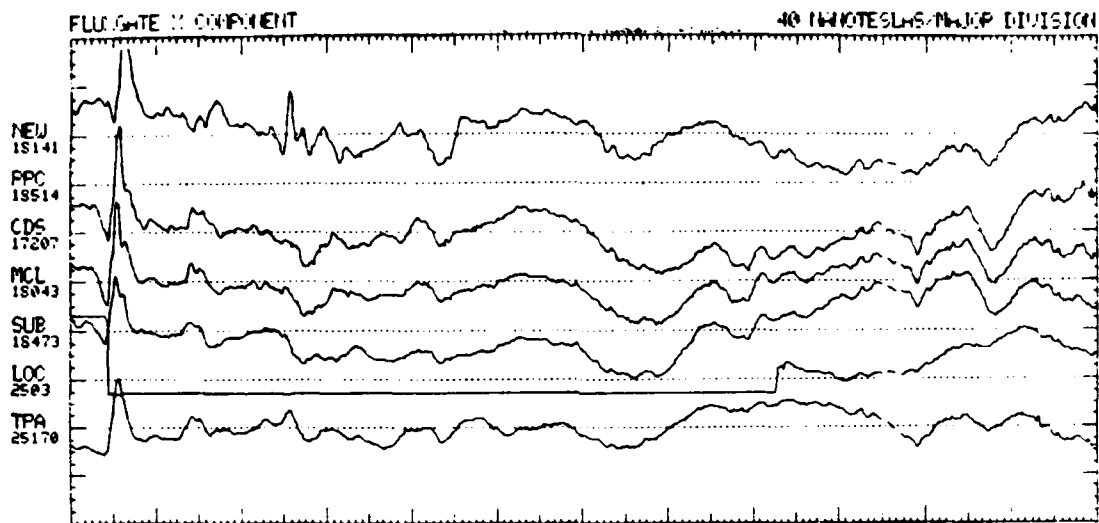
NEU 54763
PPC 54633
CDS 55609
MCL 54982
SUB 54271
TPA 43505



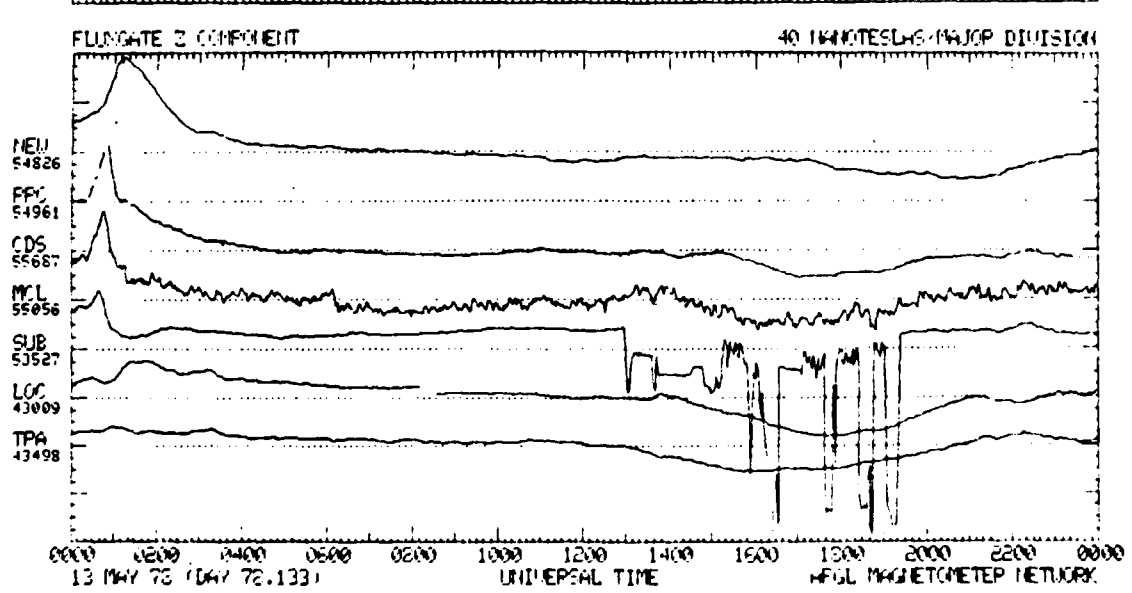
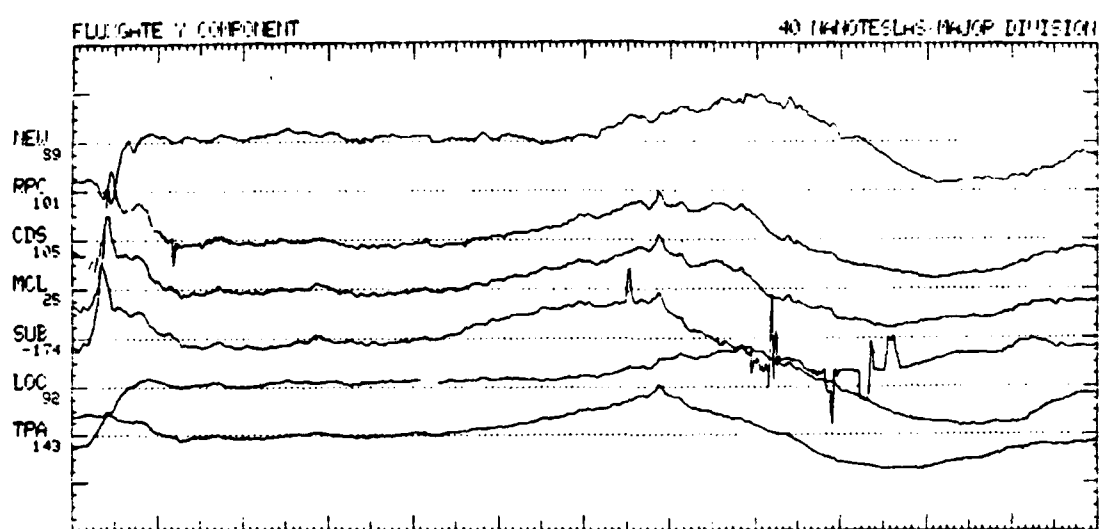
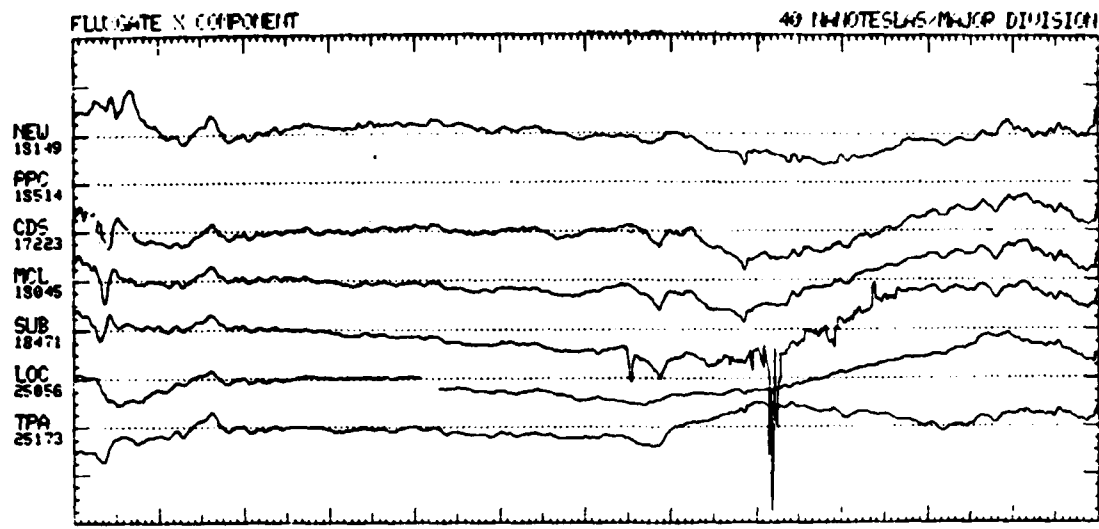
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
09 MAY 73 (MAY 73.123) ▶ UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

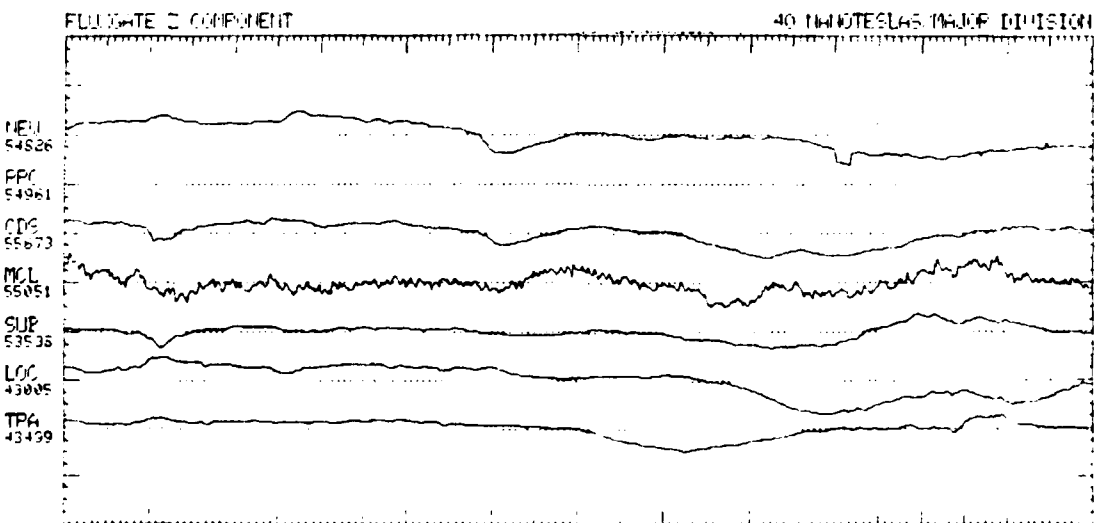
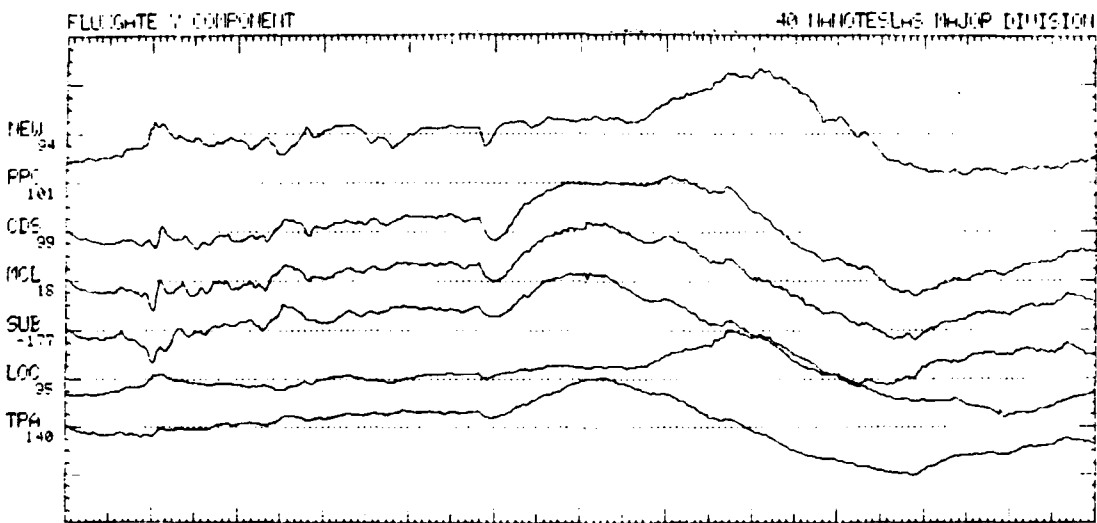
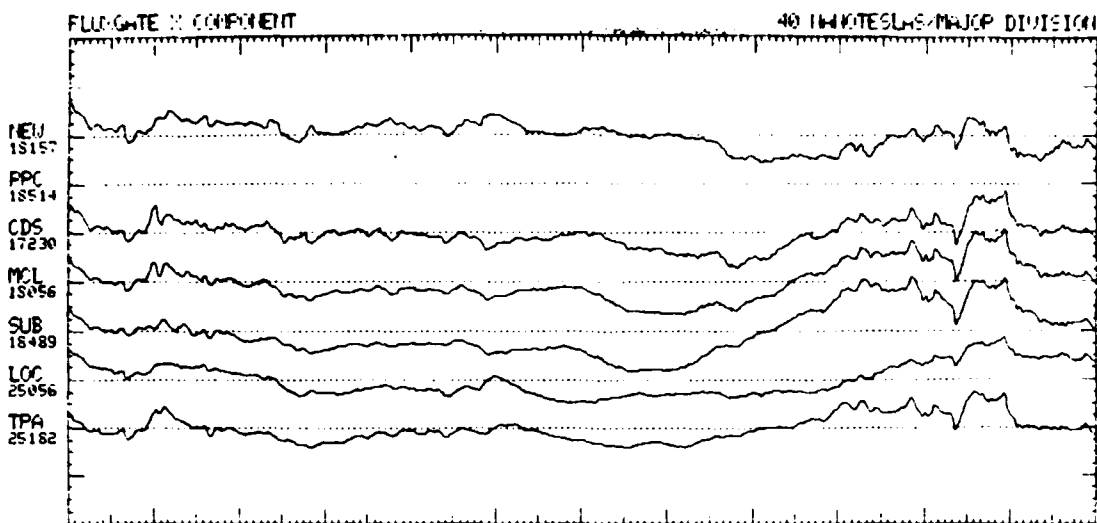




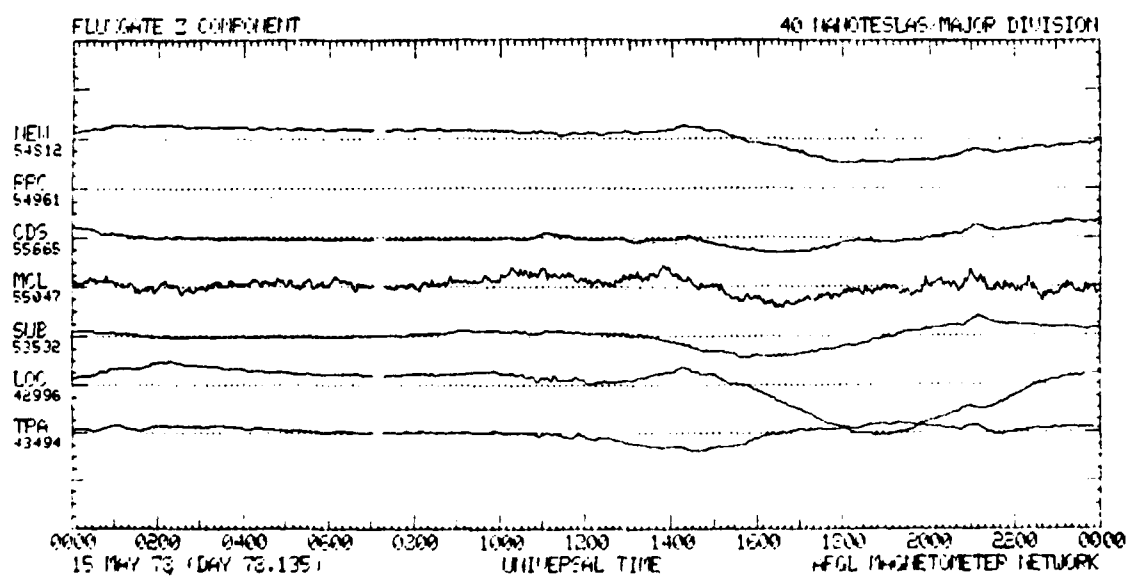
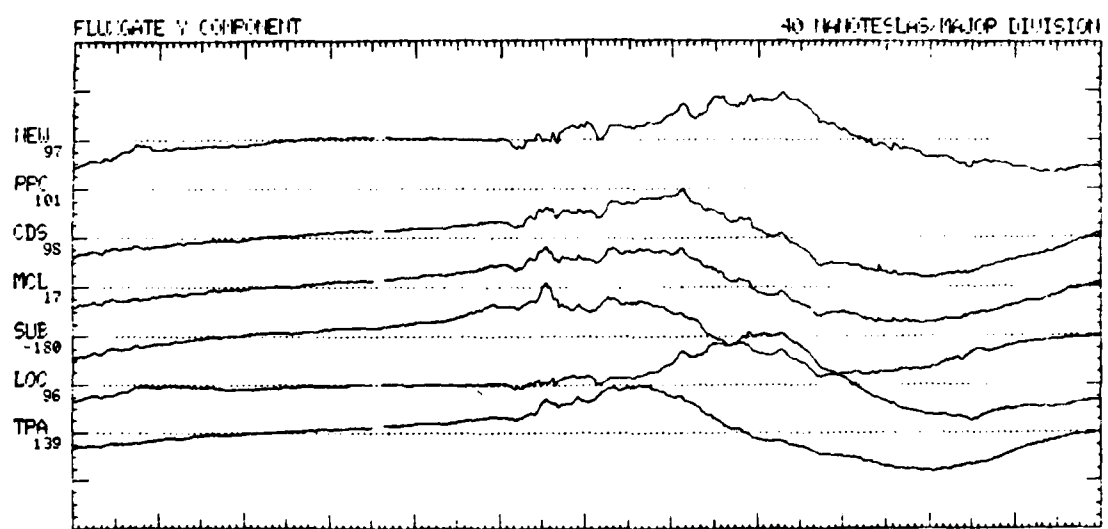
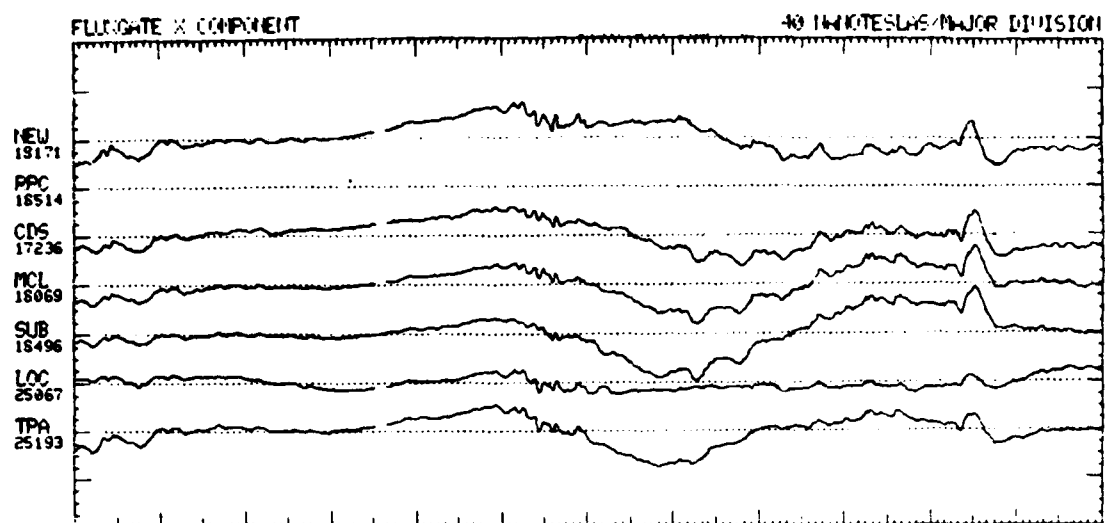


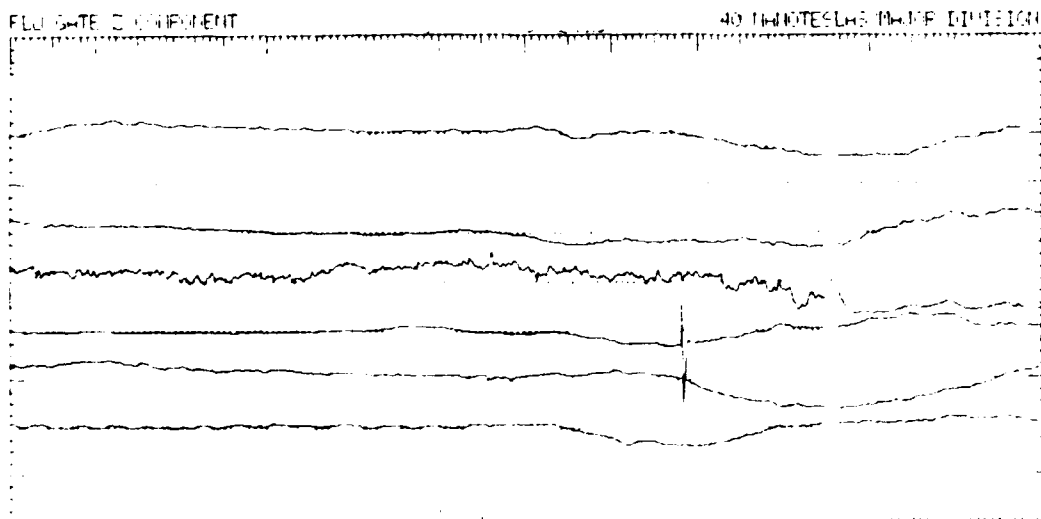
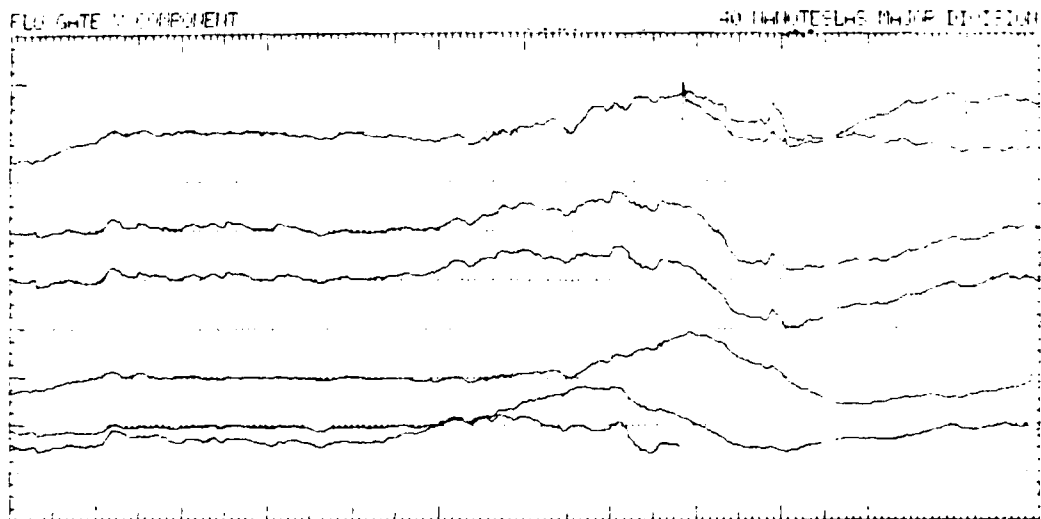
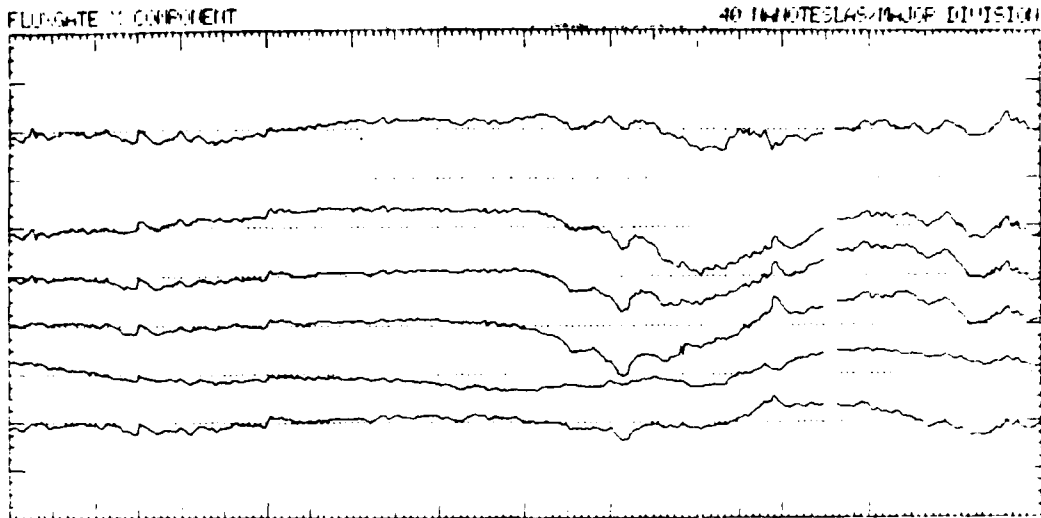
0000 0500 1000 1500 2000 2500 0000
 12 MAY 78 (HW 78-102) UNIVERSAL TIME HFSL MAGNETOMETER NETWORK



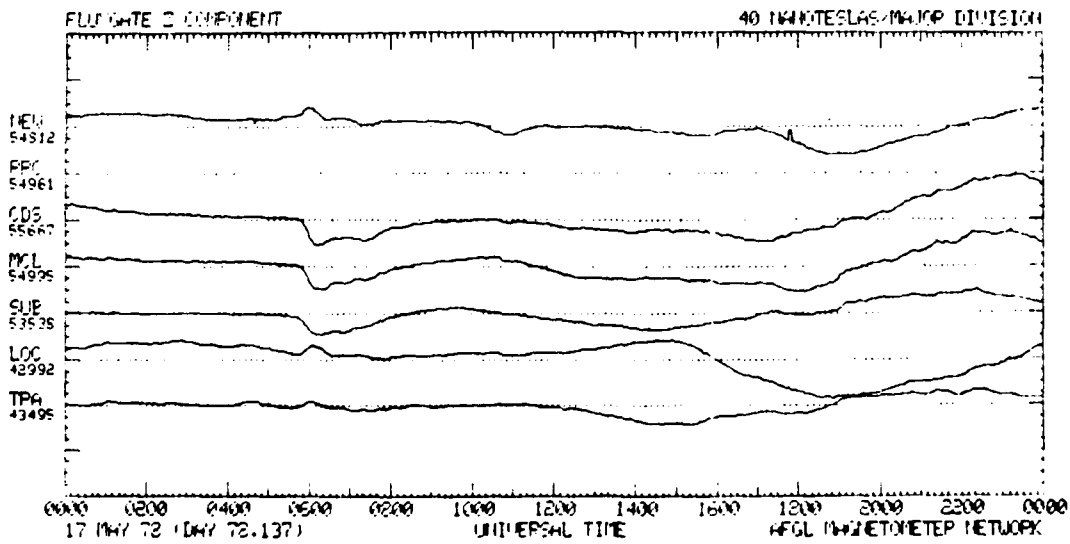
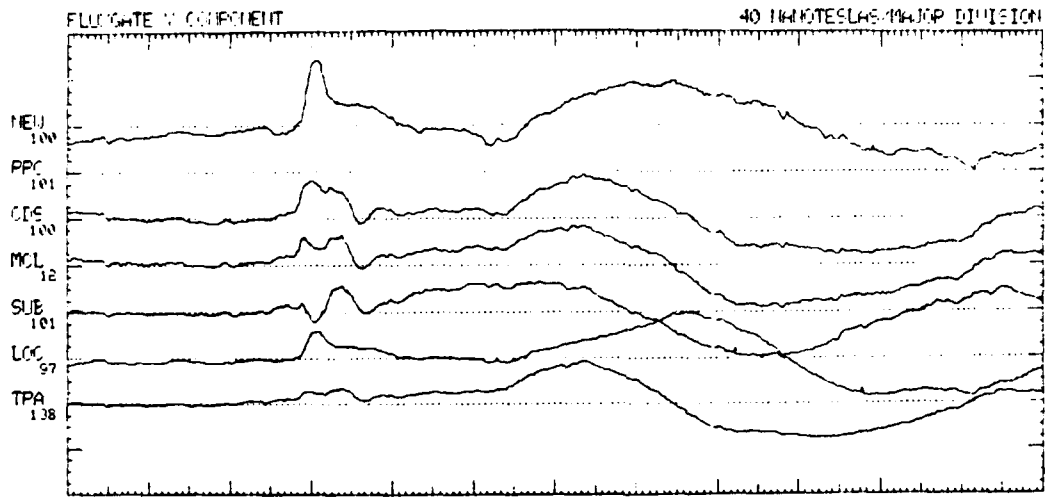
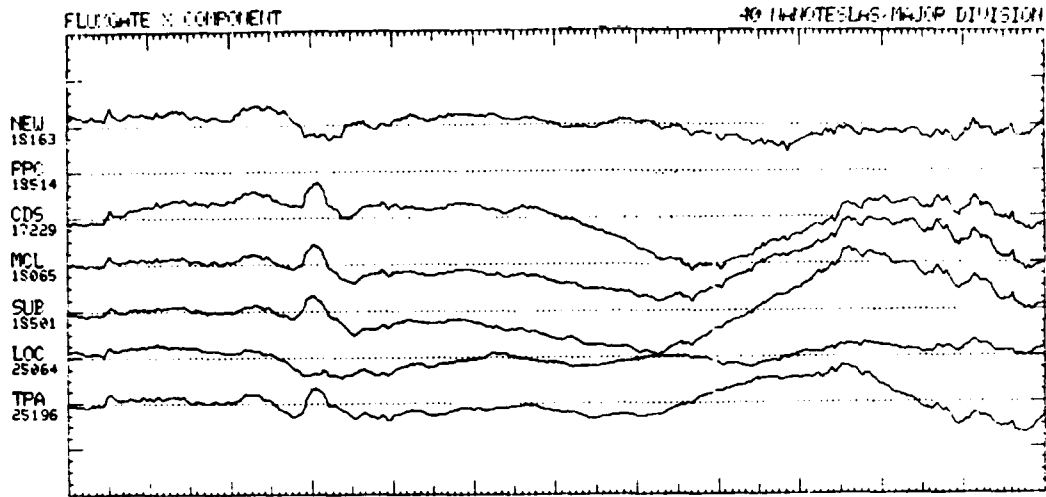


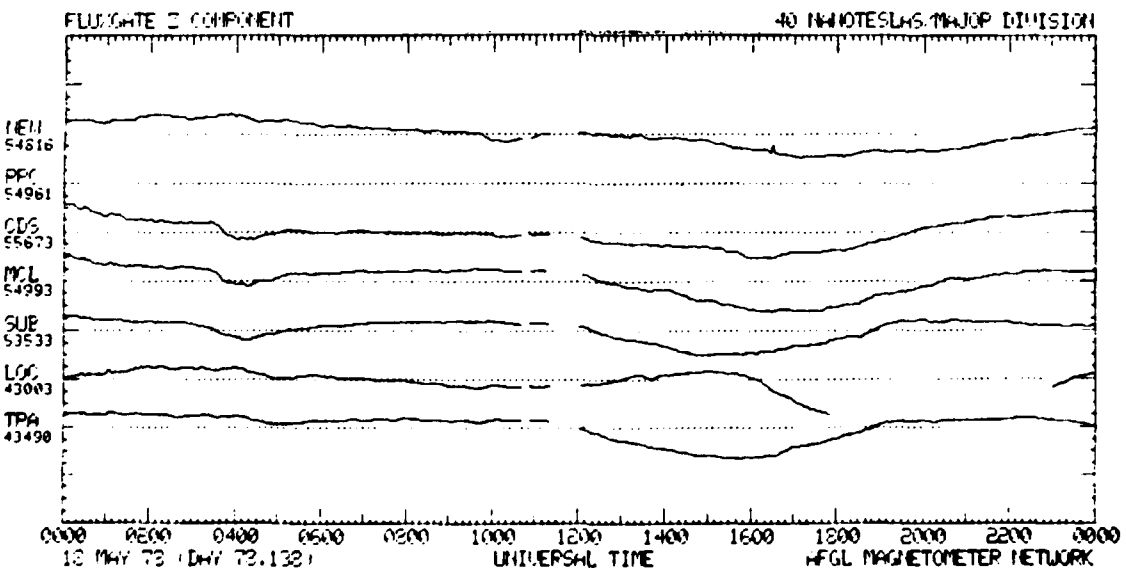
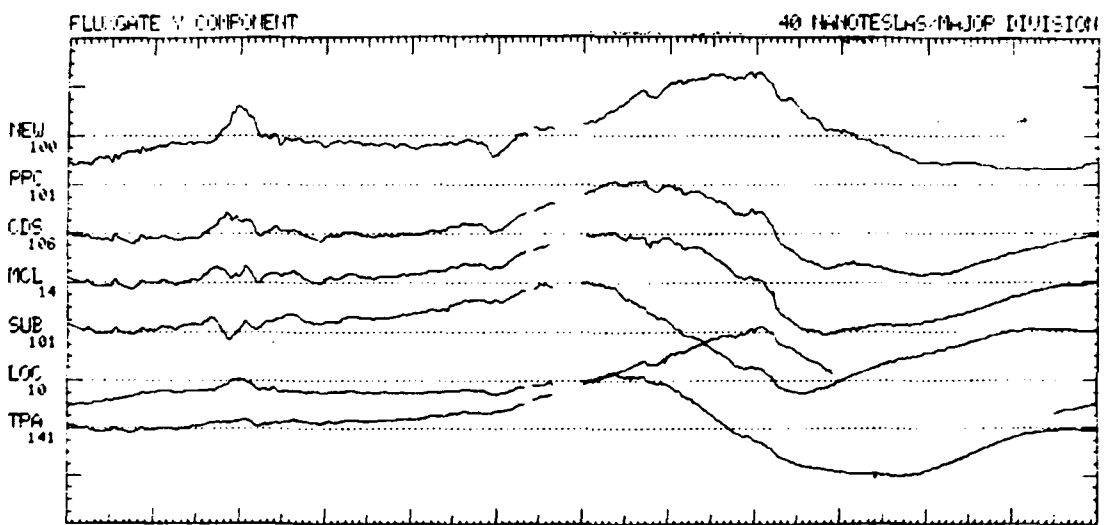
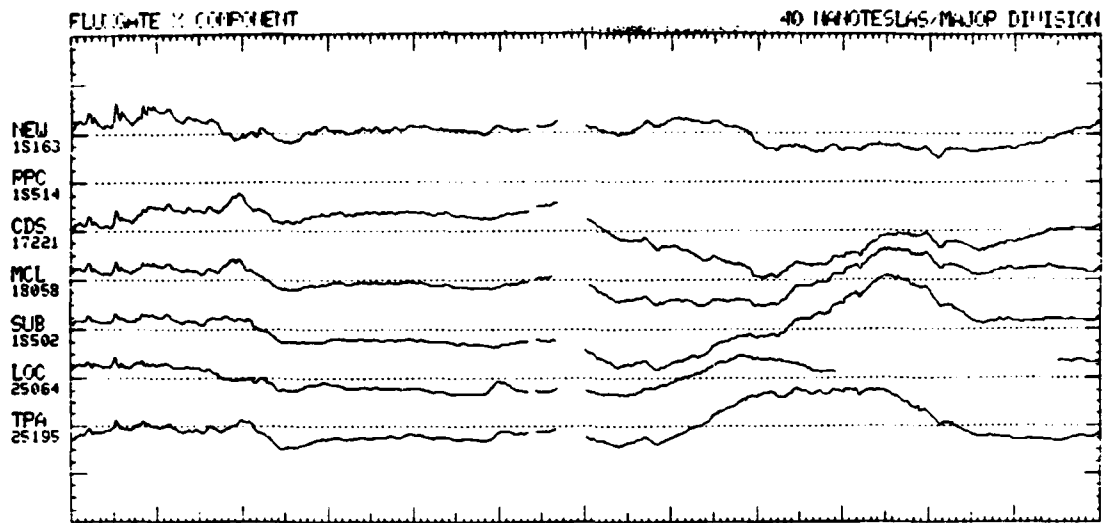
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 14 MAY 73 (DAY 72.134) UNIVERSAL TIME HFL MAGNETOMETER NETWORK

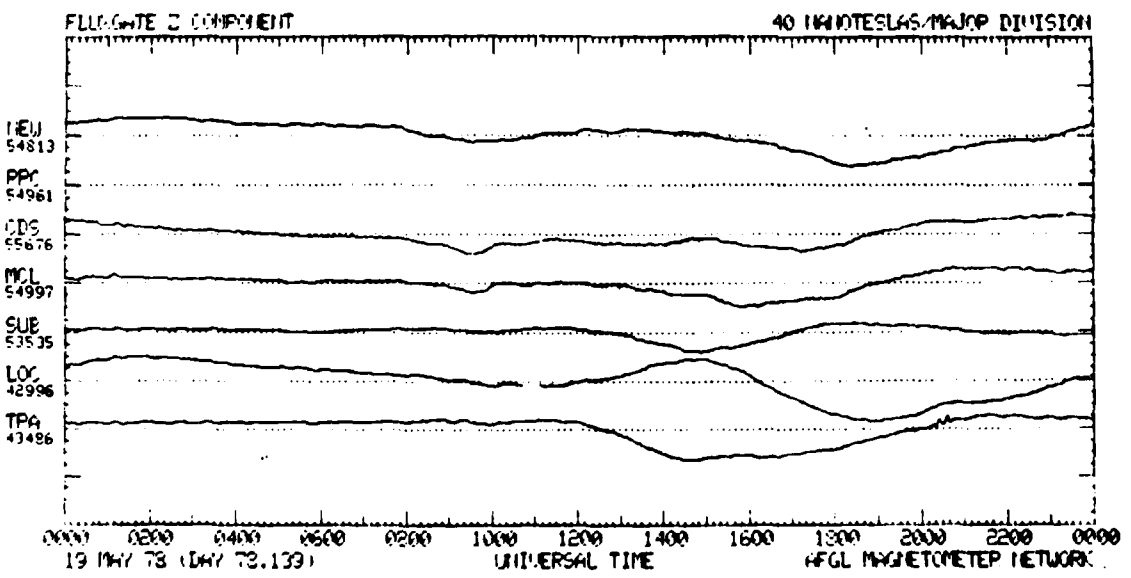
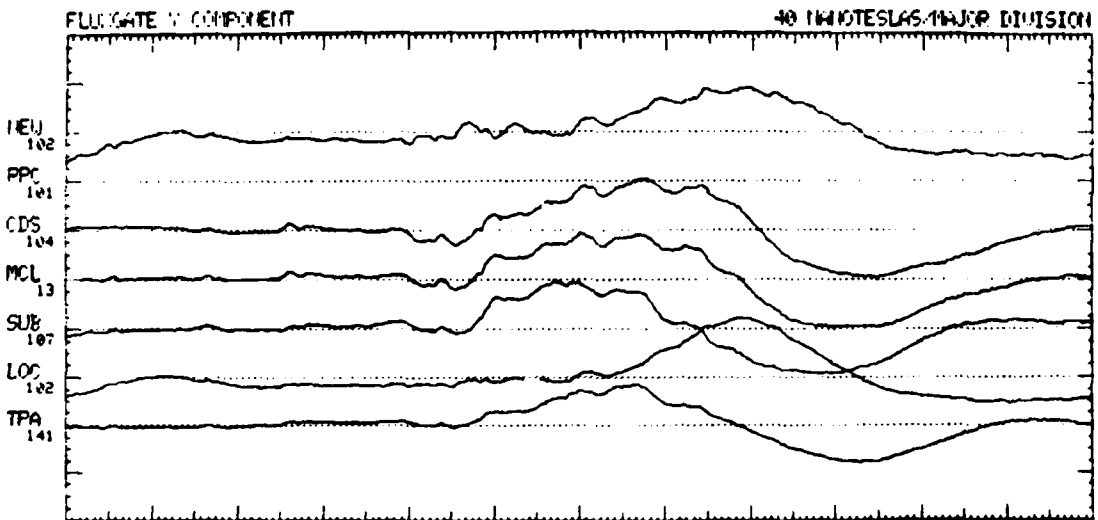
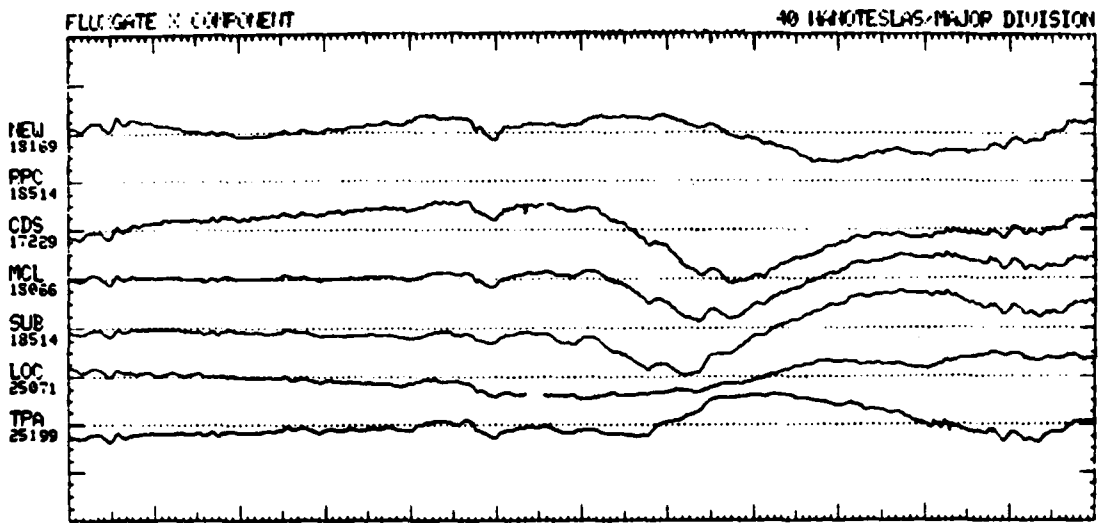


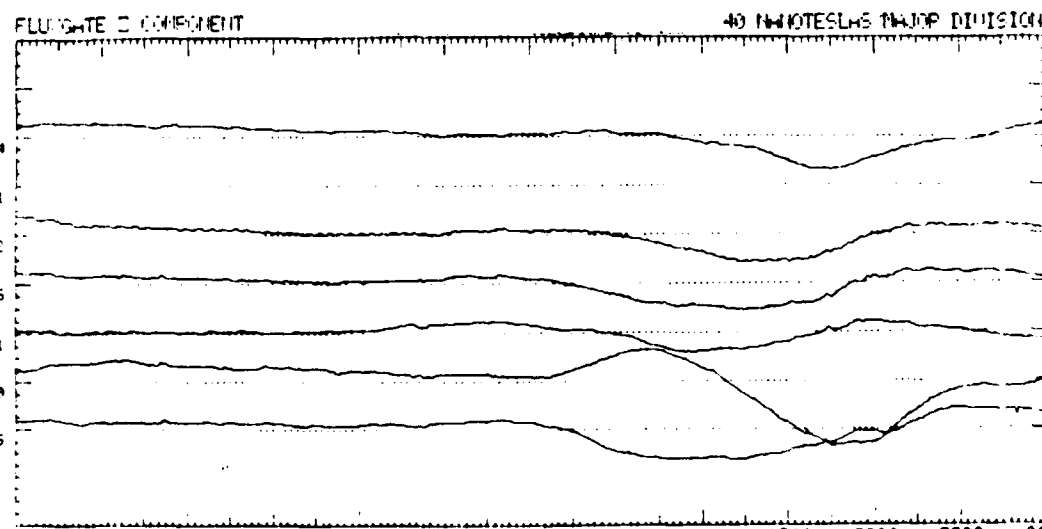
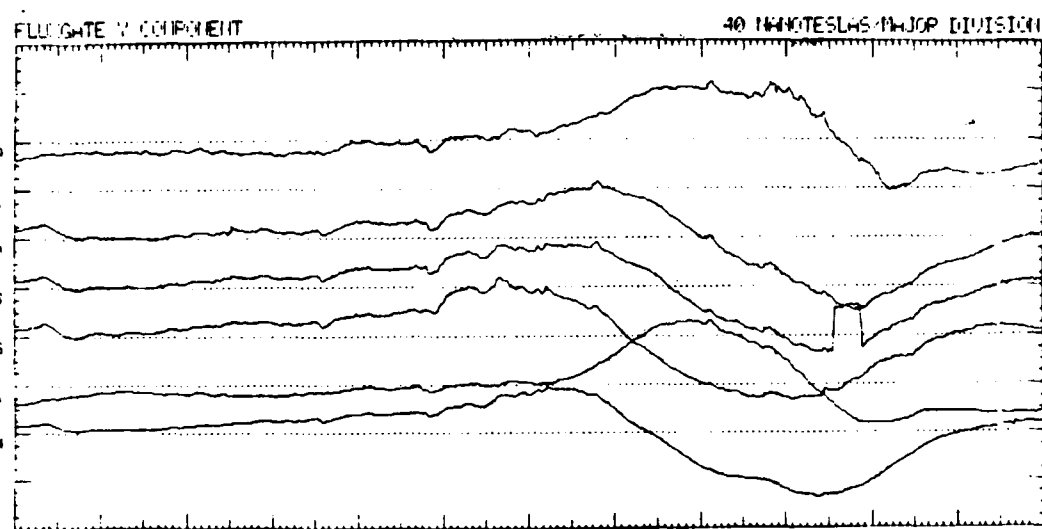
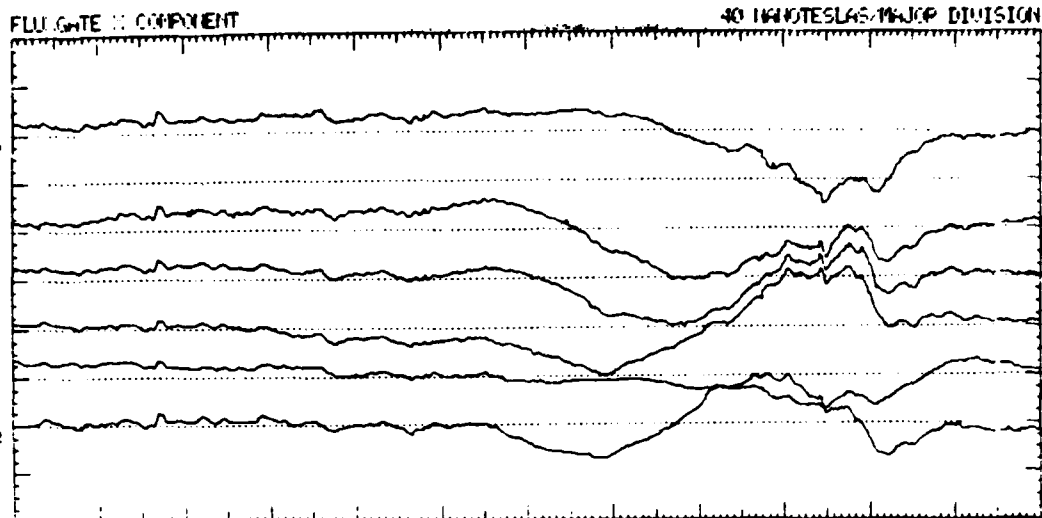


0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
 UNIVERSAL TIME FULL HERTZMETER NETZSP.

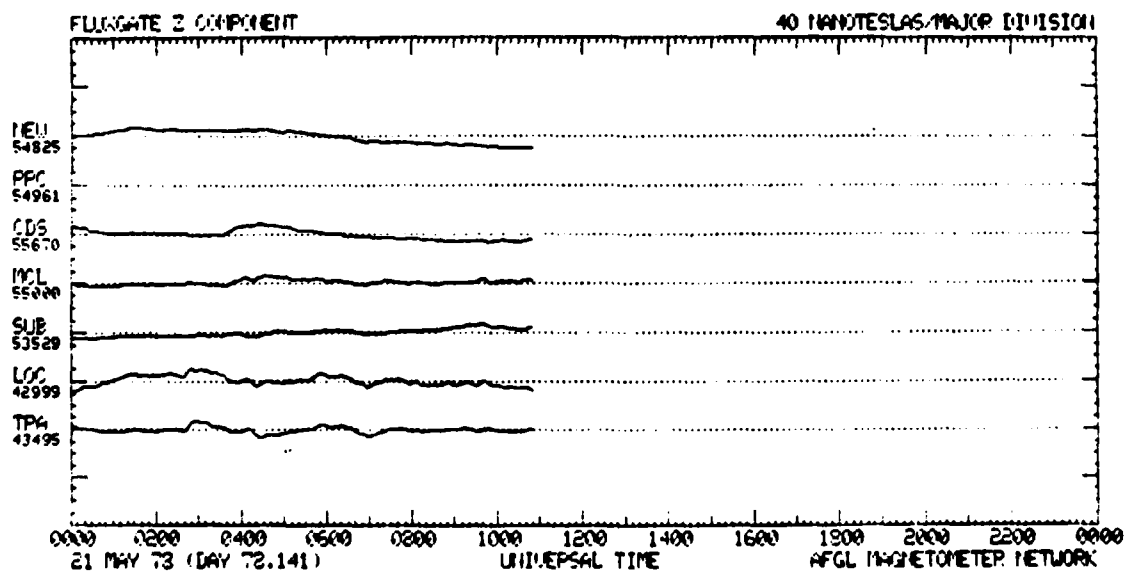
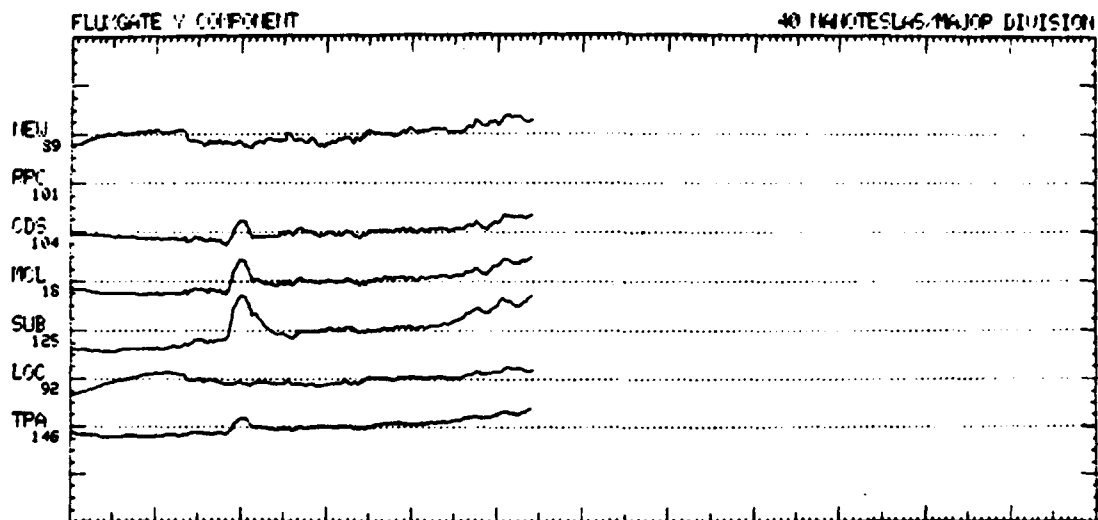
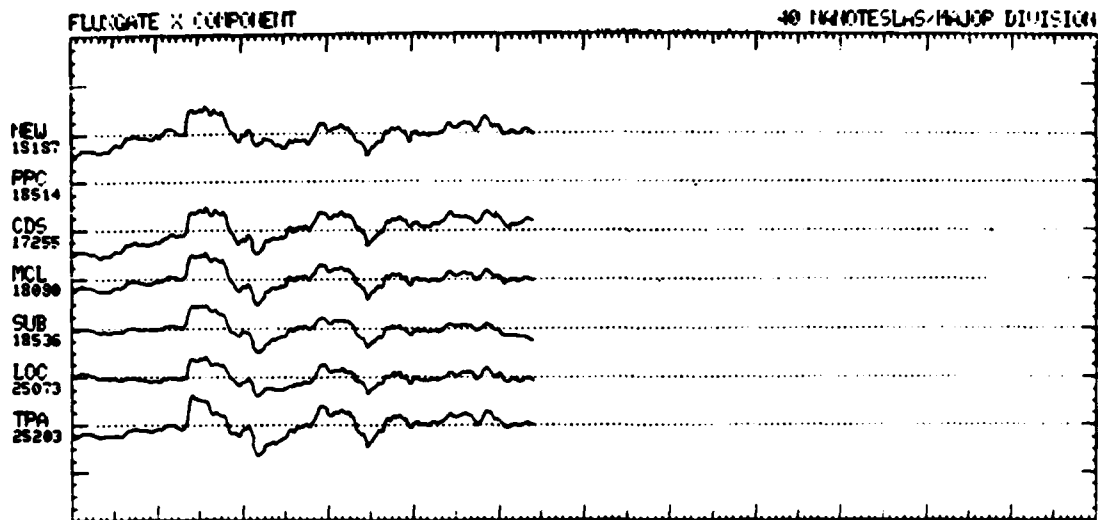


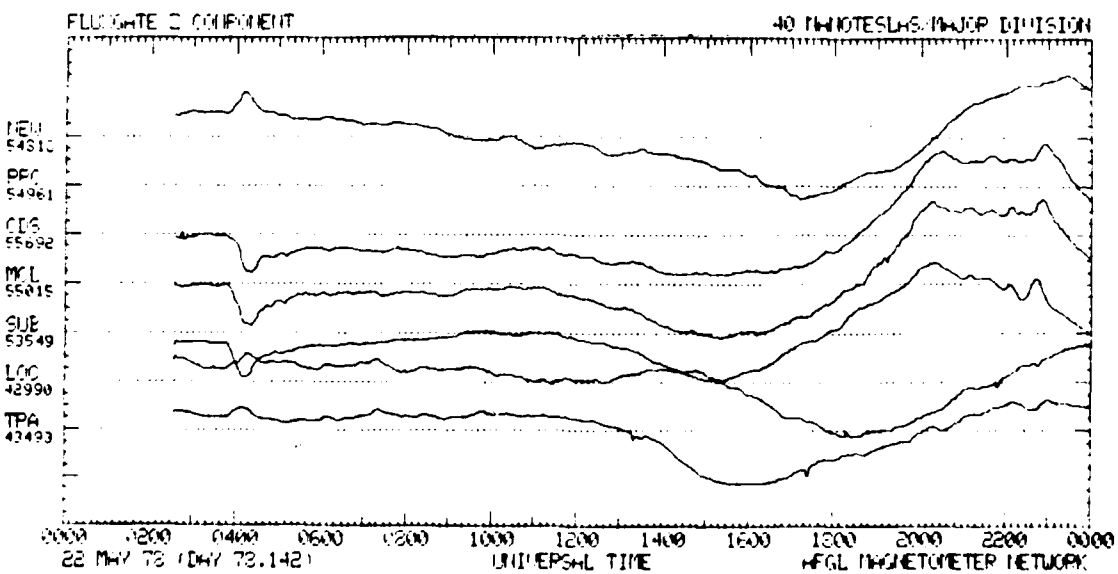
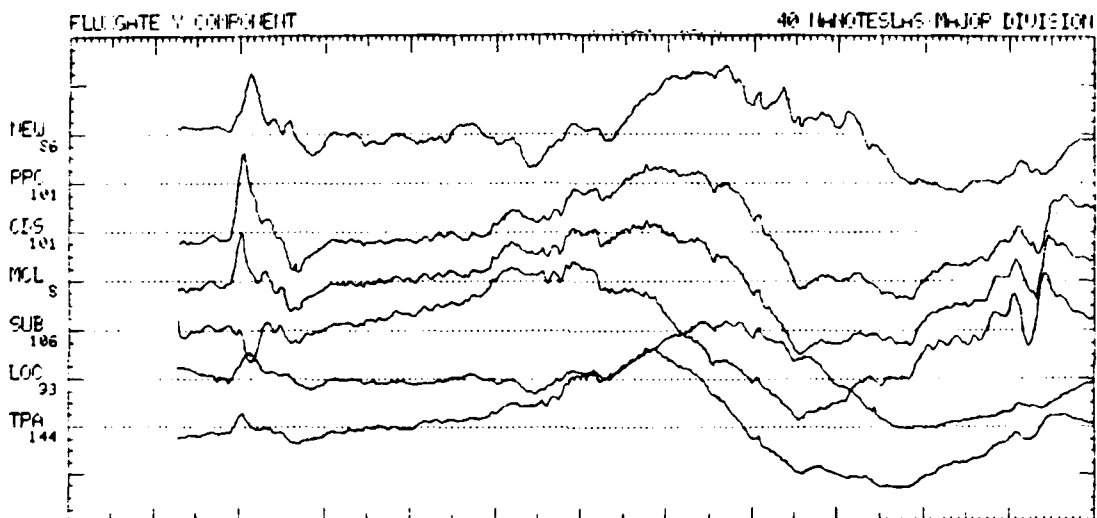
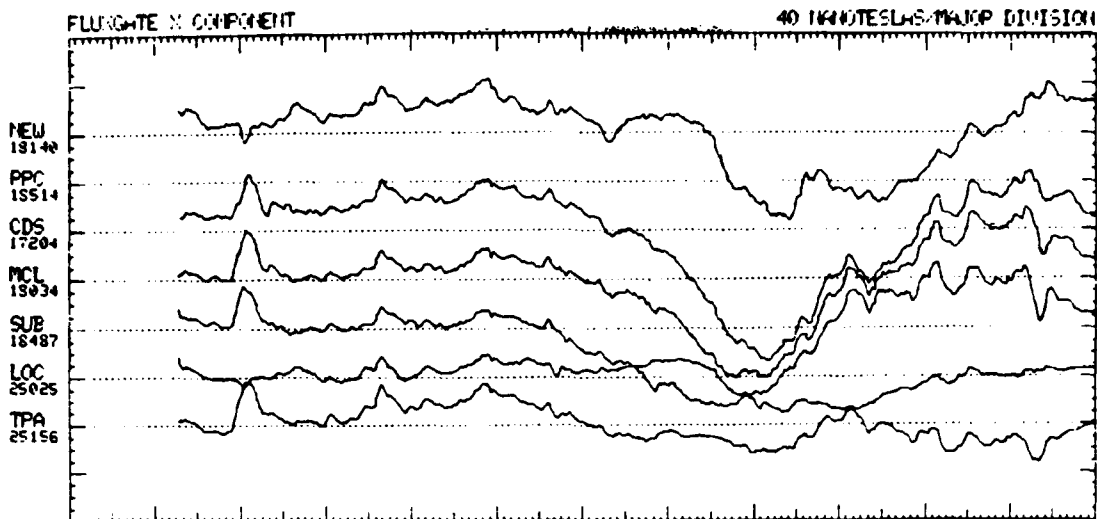






0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 20 MAY 72 (DAY 72.140) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

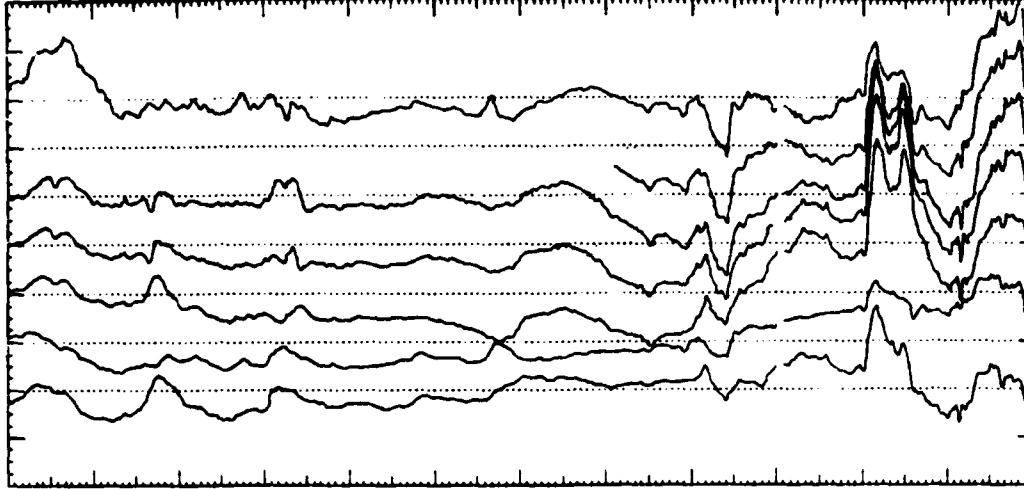




FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

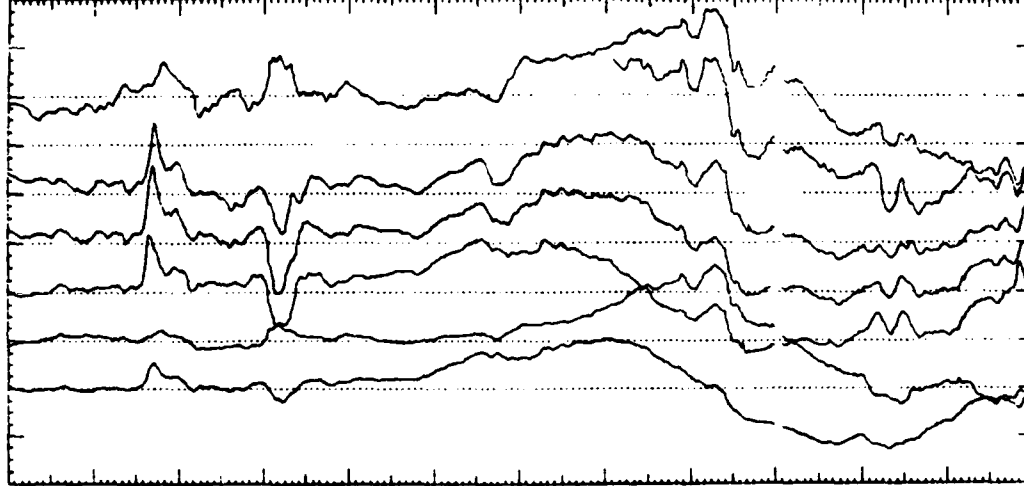
NEU
18156
PPC
18547
CDS
17217
MCL
18049
SUB
18497
LOC
25028
TPA
25168



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

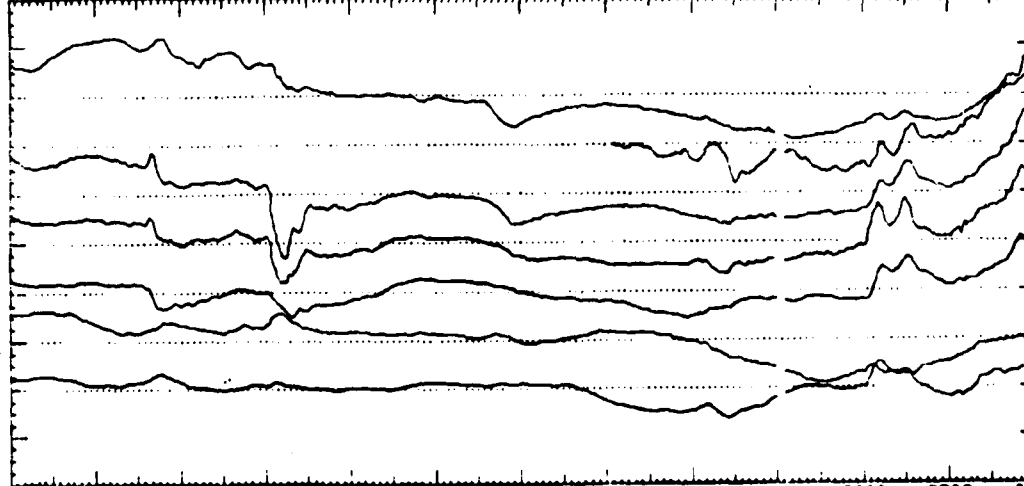
NEU
90
PPC
81
CDS
104
MCL
12
SUB
113
LOC
95
TPA
144



FLIGHTLINE Z COMPONENT

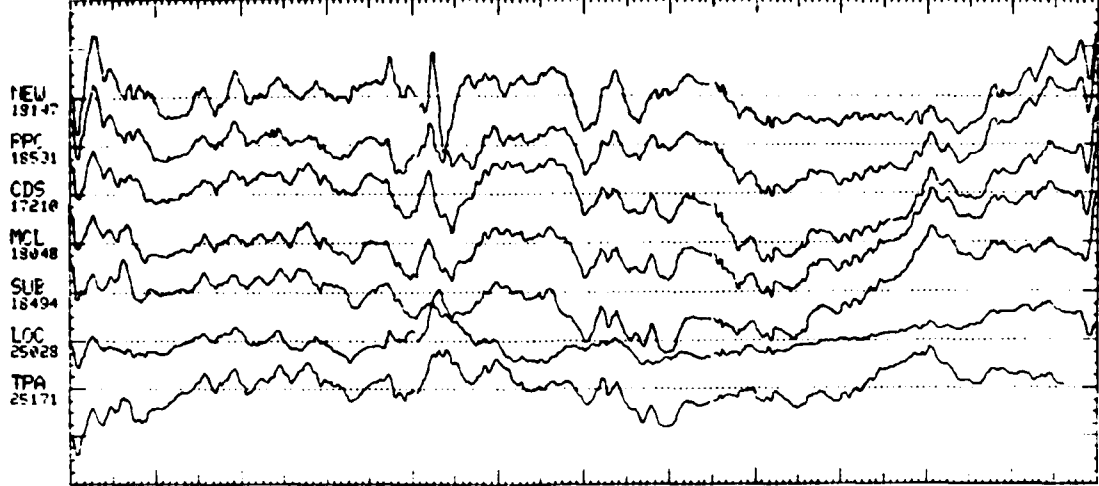
40 NANOTESLAS/MAJOR DIVISION

NEU
54831
PPC
54974
CDS
55669
MCL
55012
SUB
53538
LOC
42999
TPA
43503

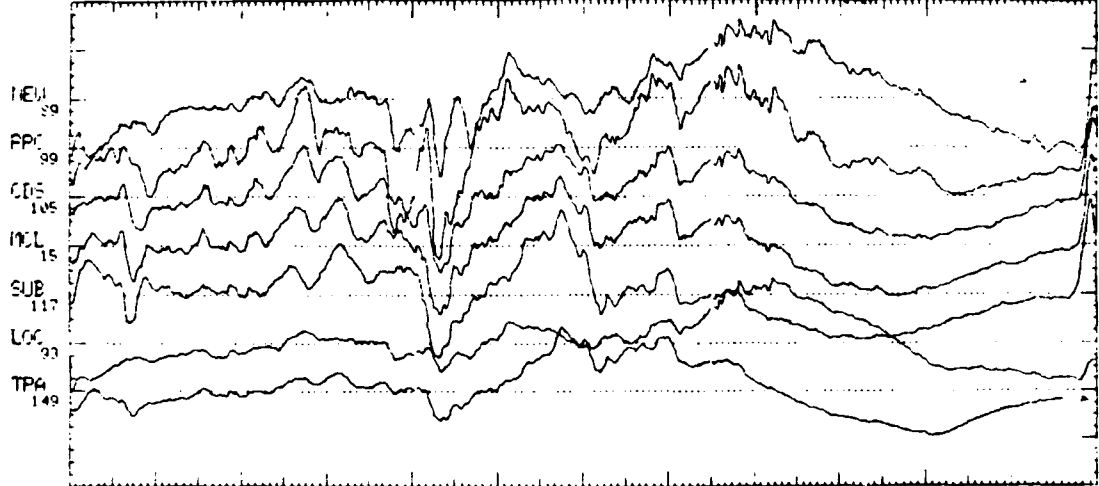


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
23 MAY 73 (DAY 78.143) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

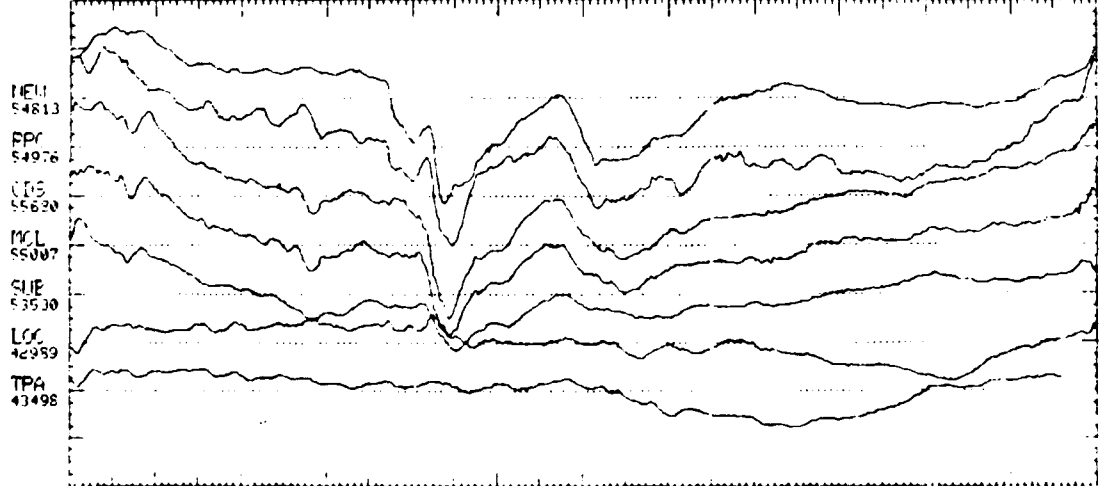
FLIGHTLINE X COMPONENT 40 NANOTESLAHS MAJOR DIVISION



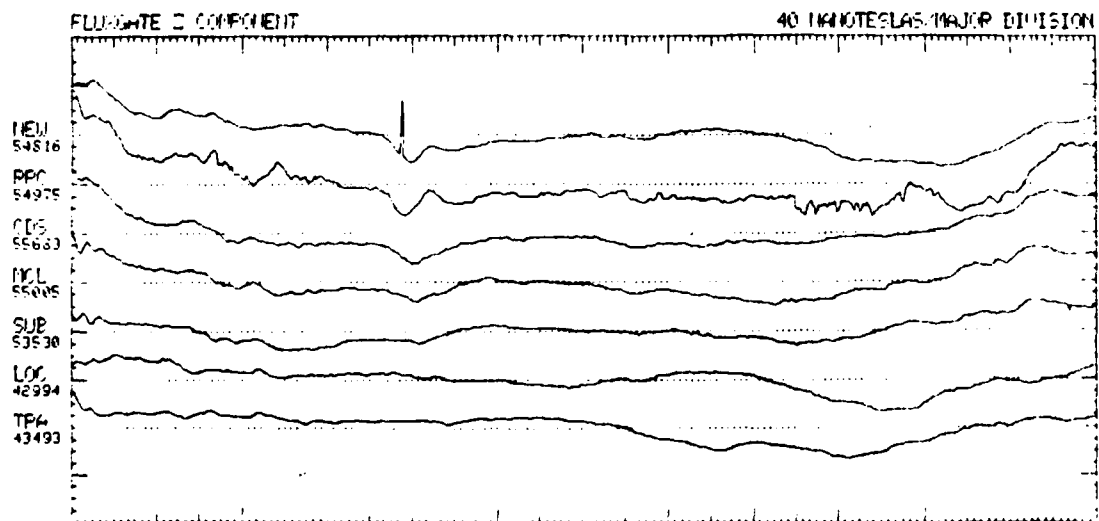
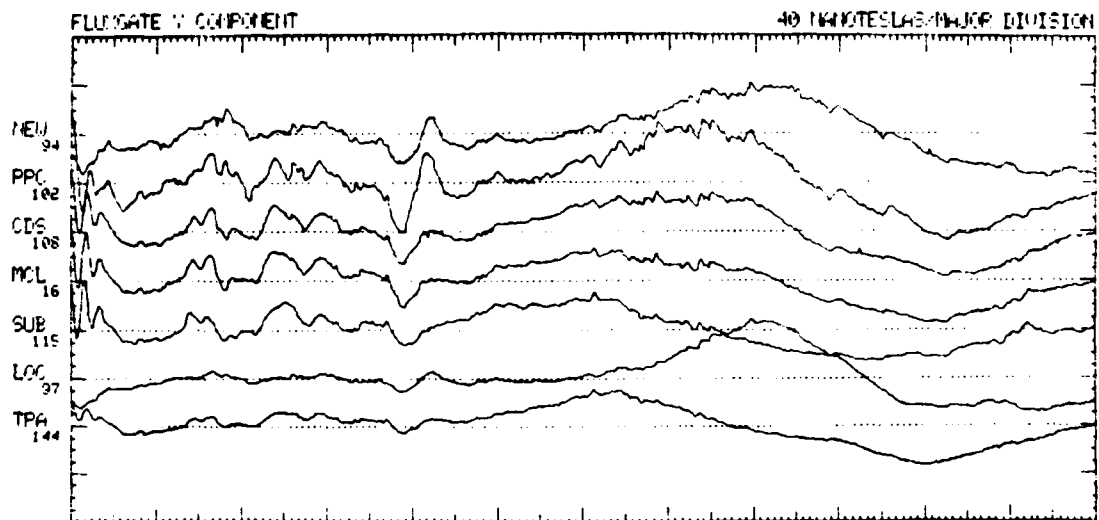
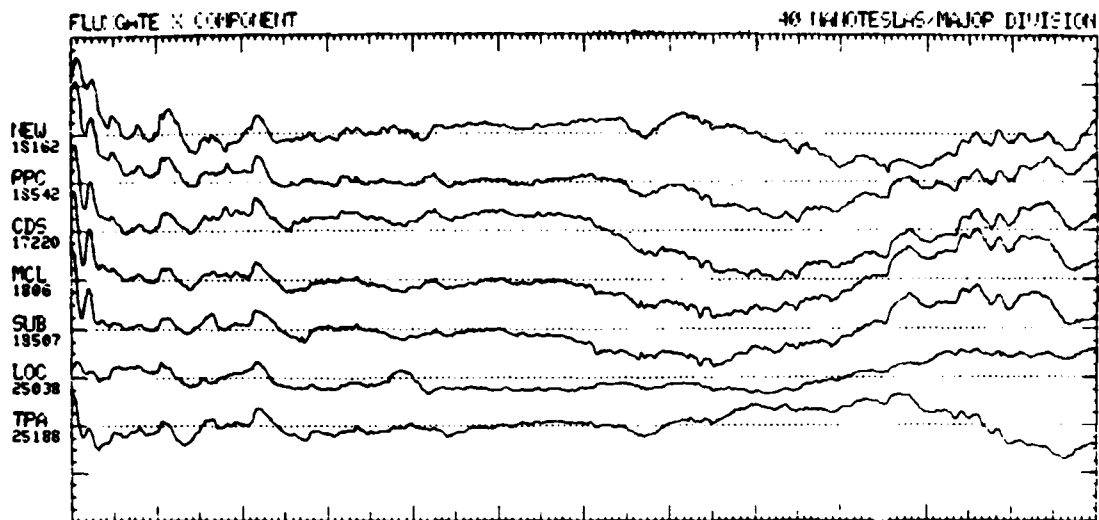
FLIGHTLINE Y COMPONENT 40 NANOTESLAHS MAJOR DIVISION



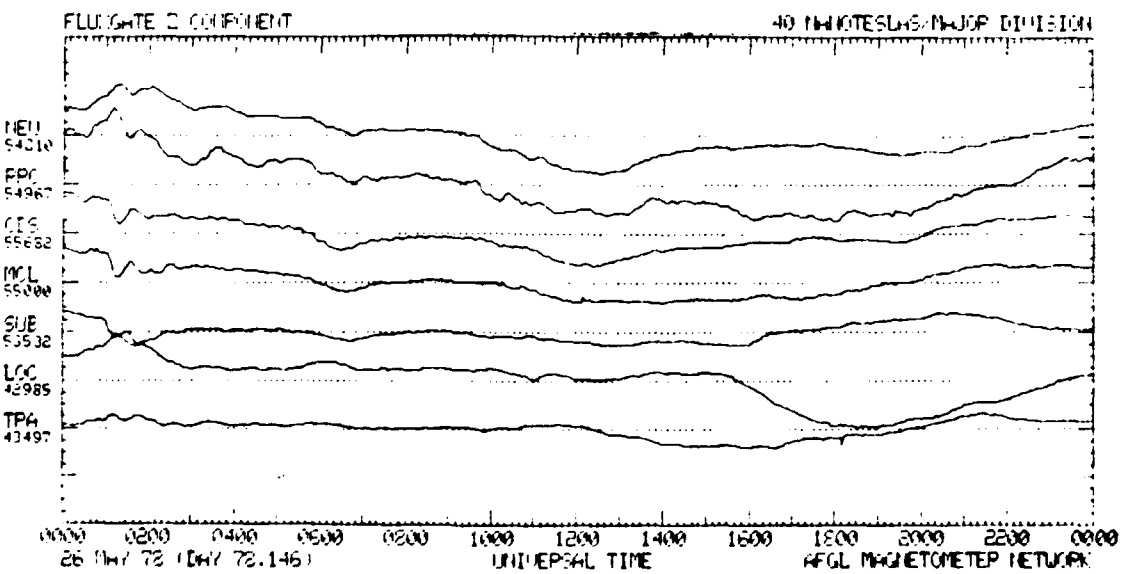
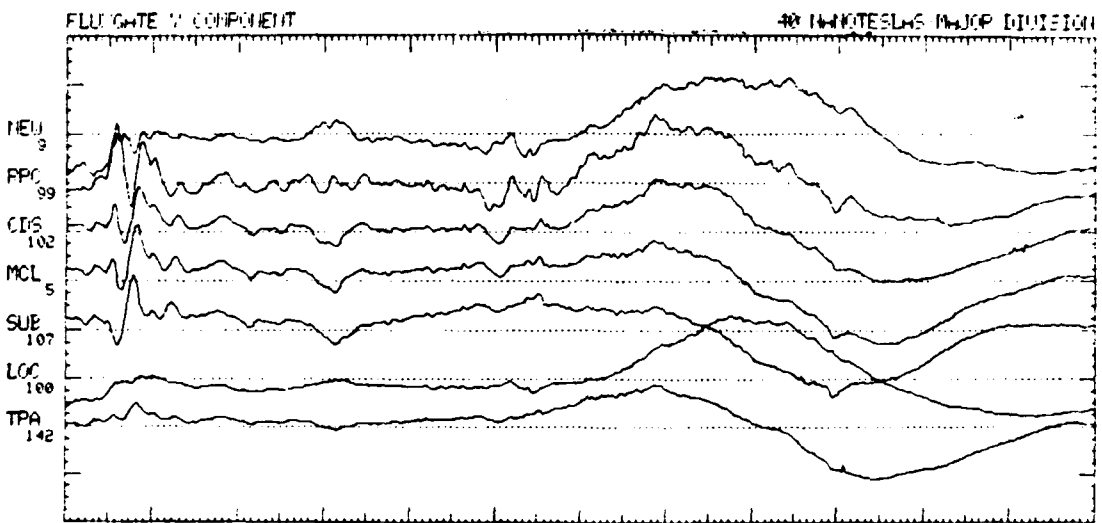
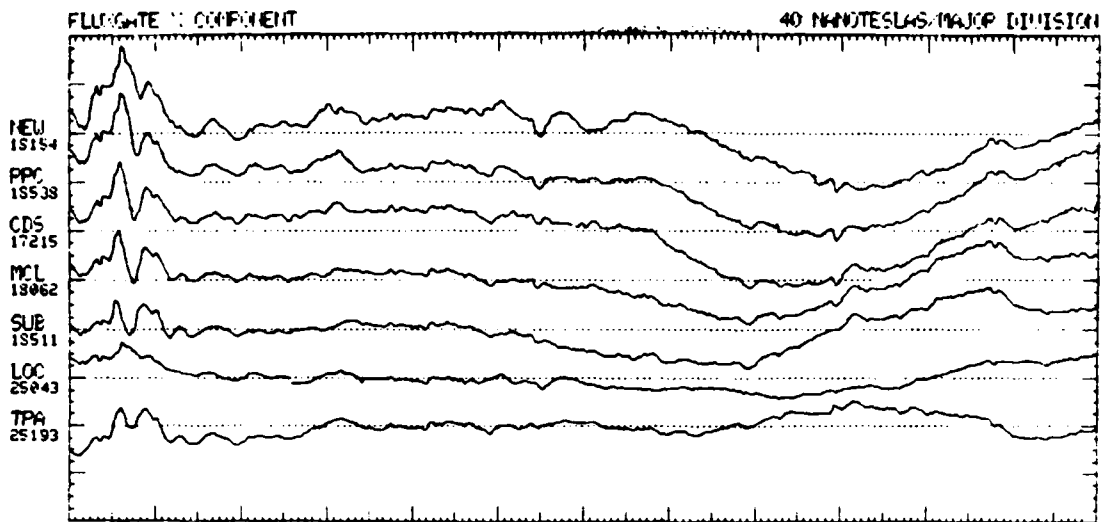
FLIGHTLINE Z COMPONENT 40 NANOTESLAHS MAJOR DIVISION

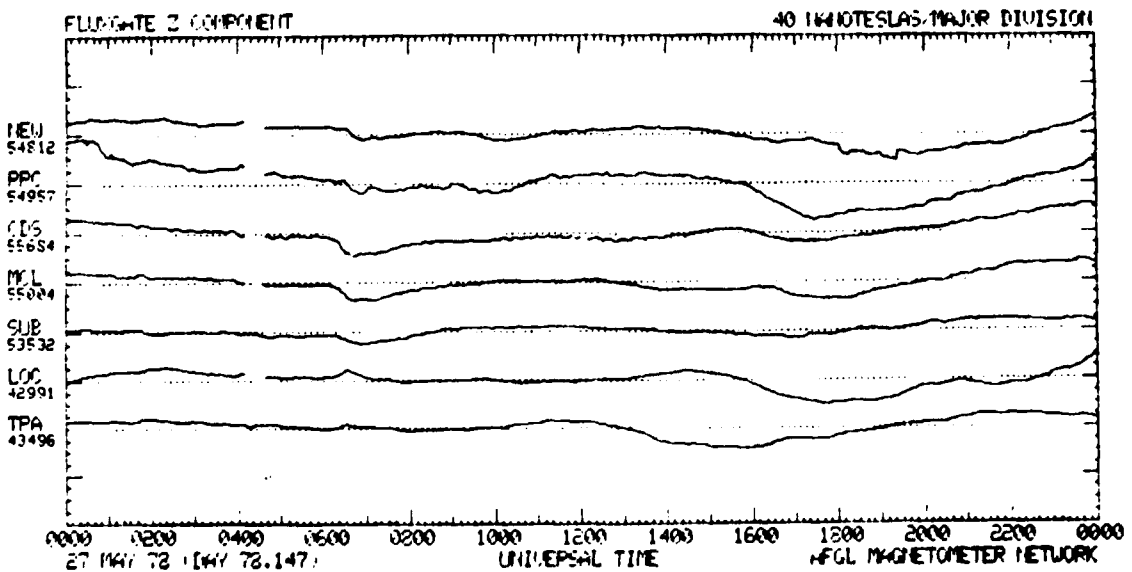
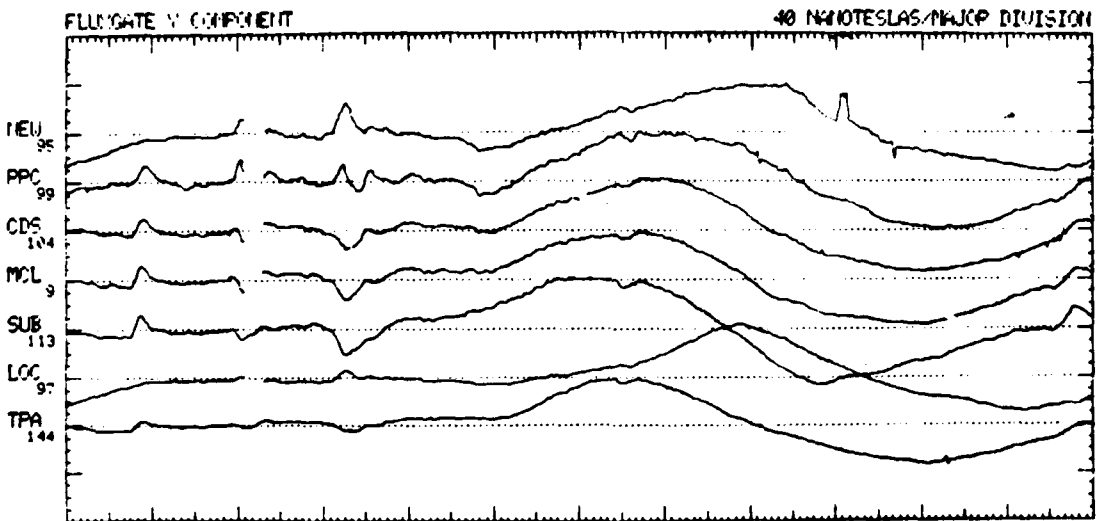
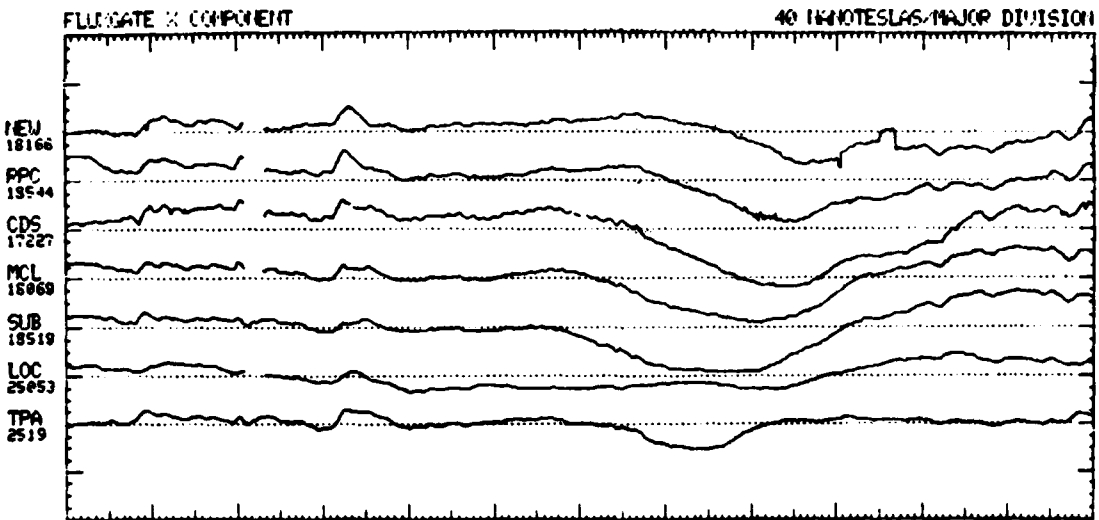


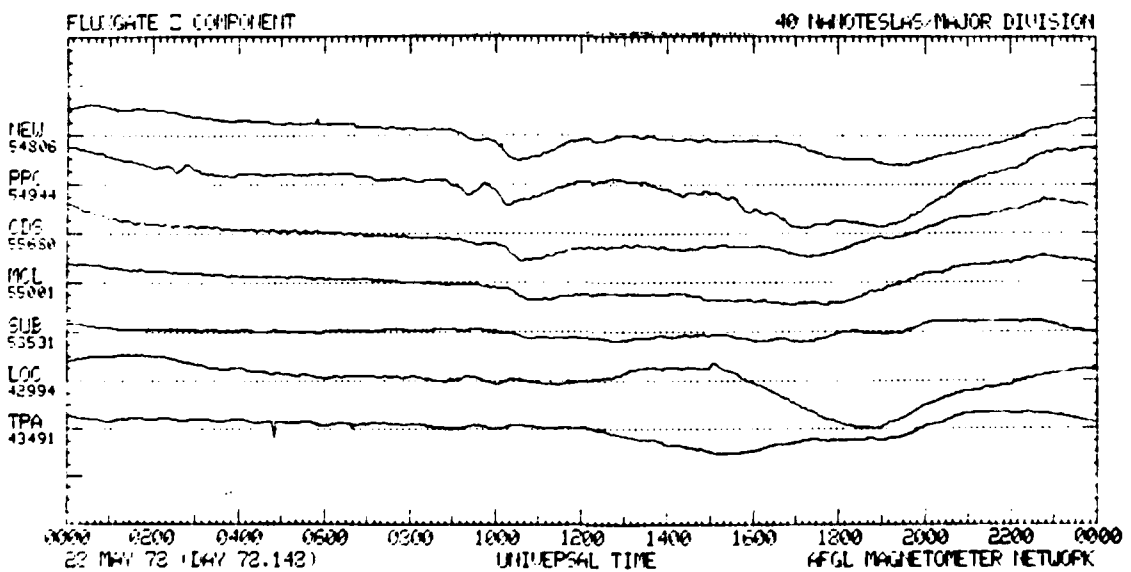
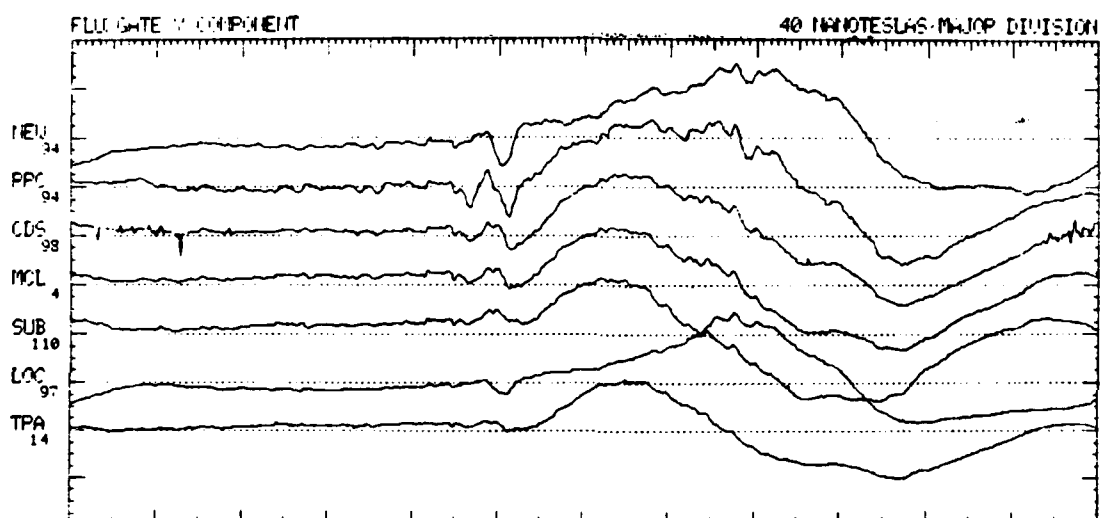
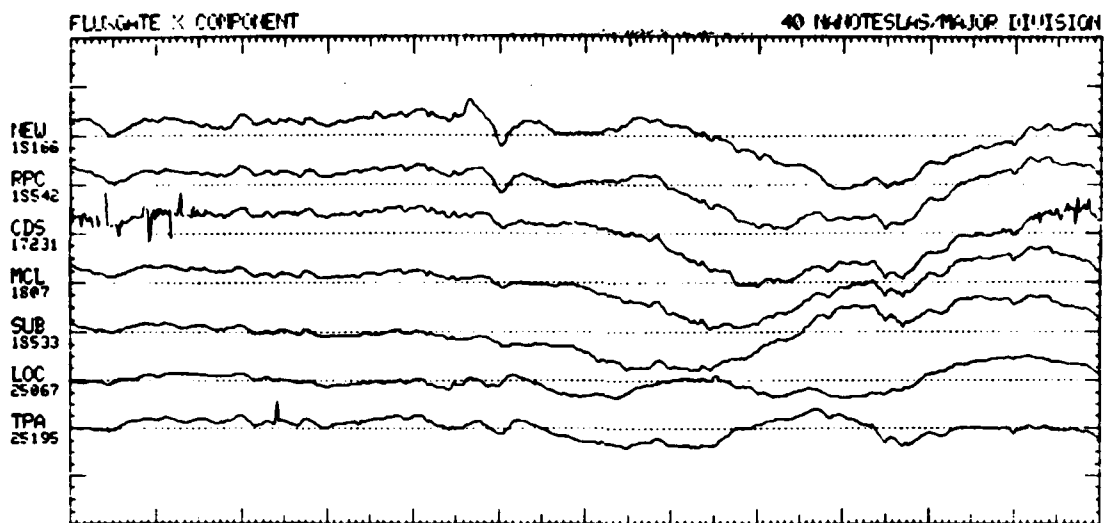
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 24 MAY 78 (DAY 72.144) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

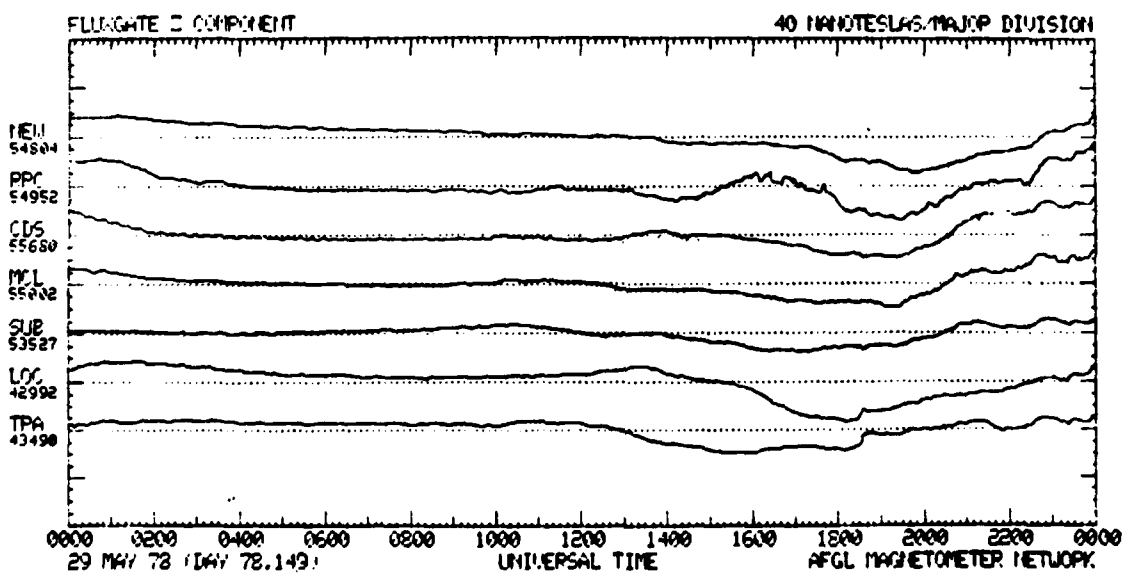
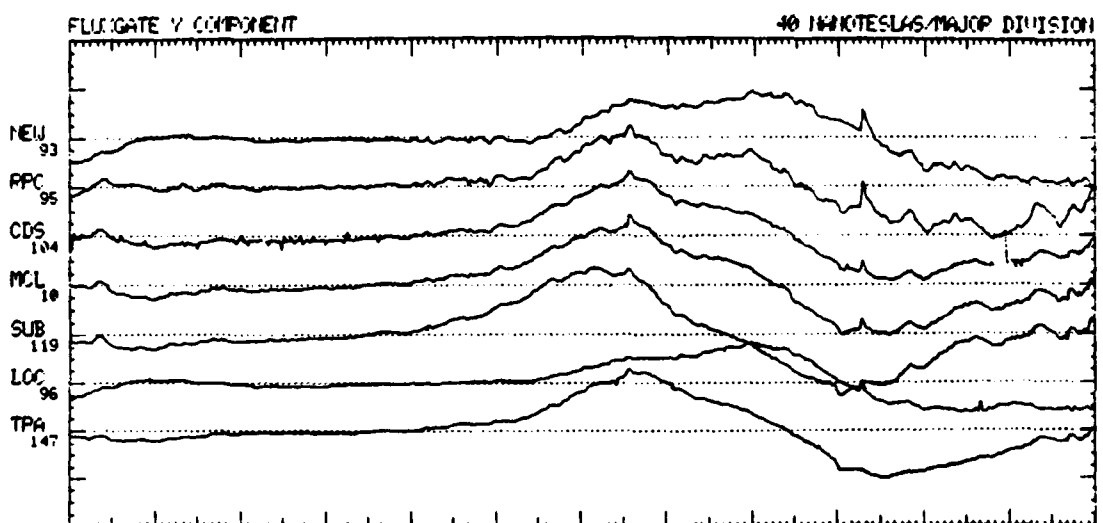
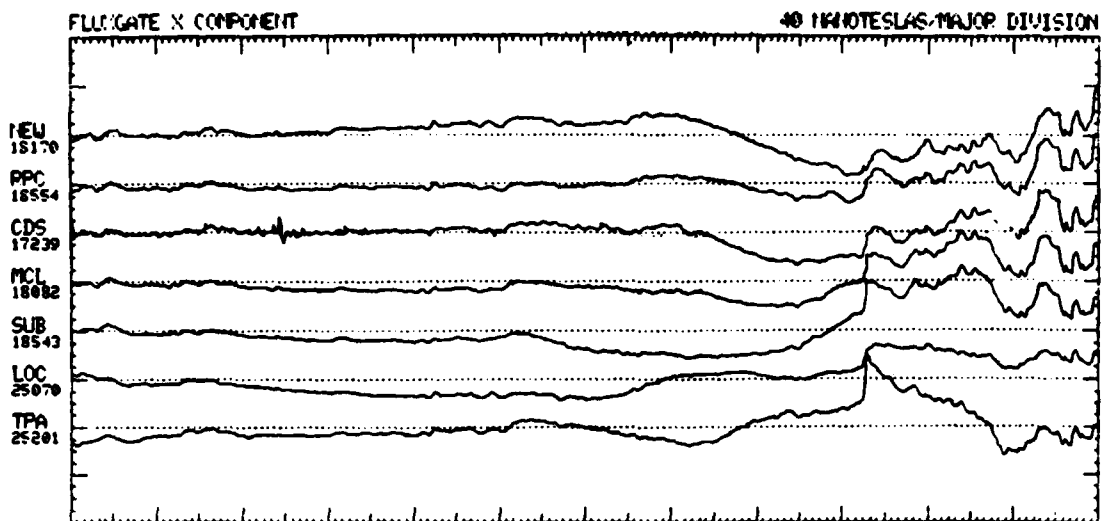


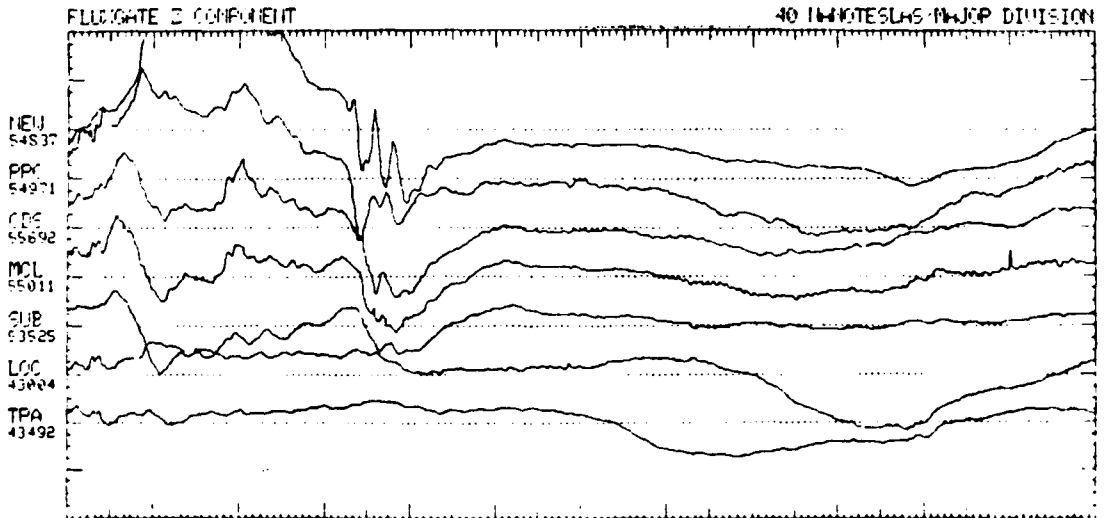
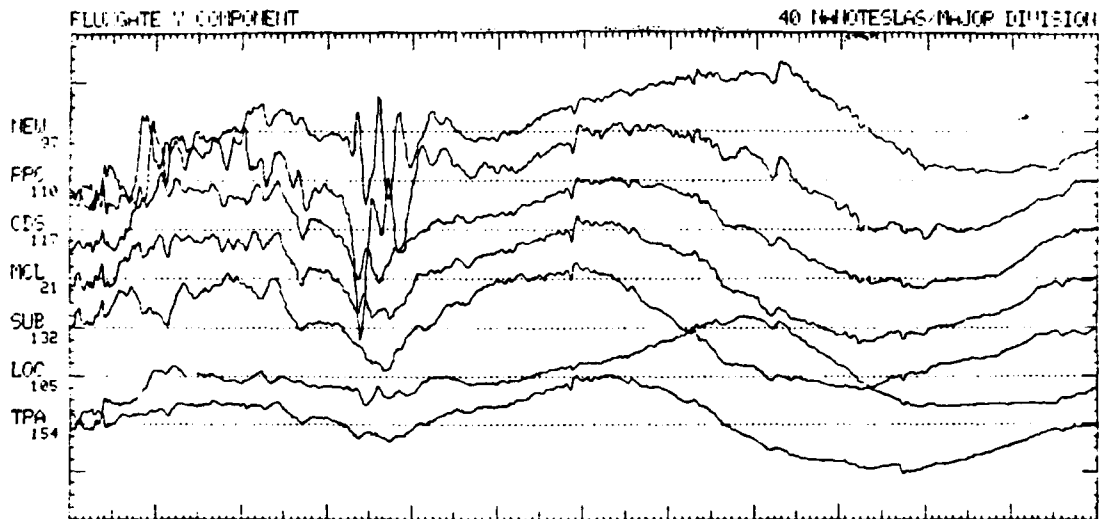
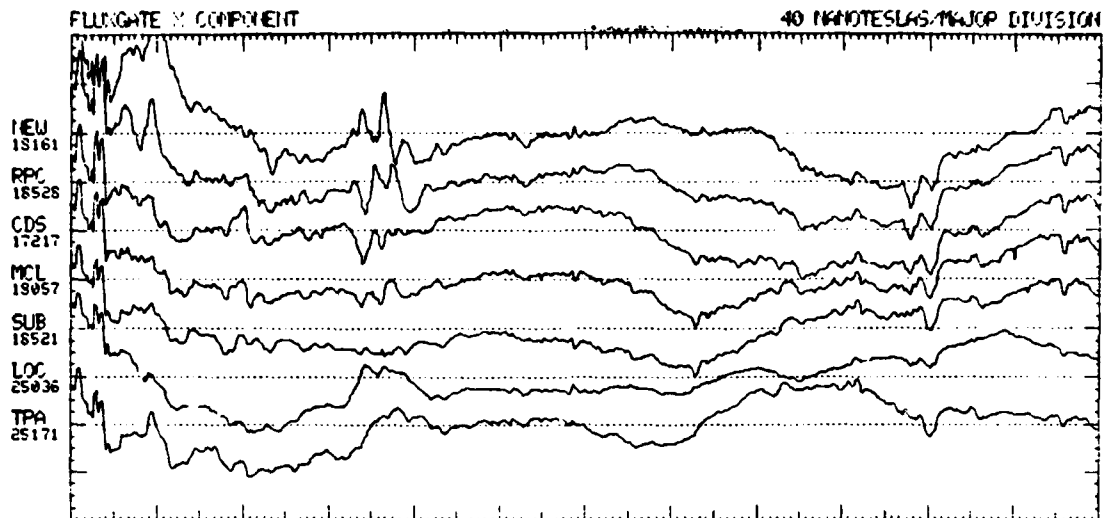
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 25 MAY 73 (147 73.145) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK



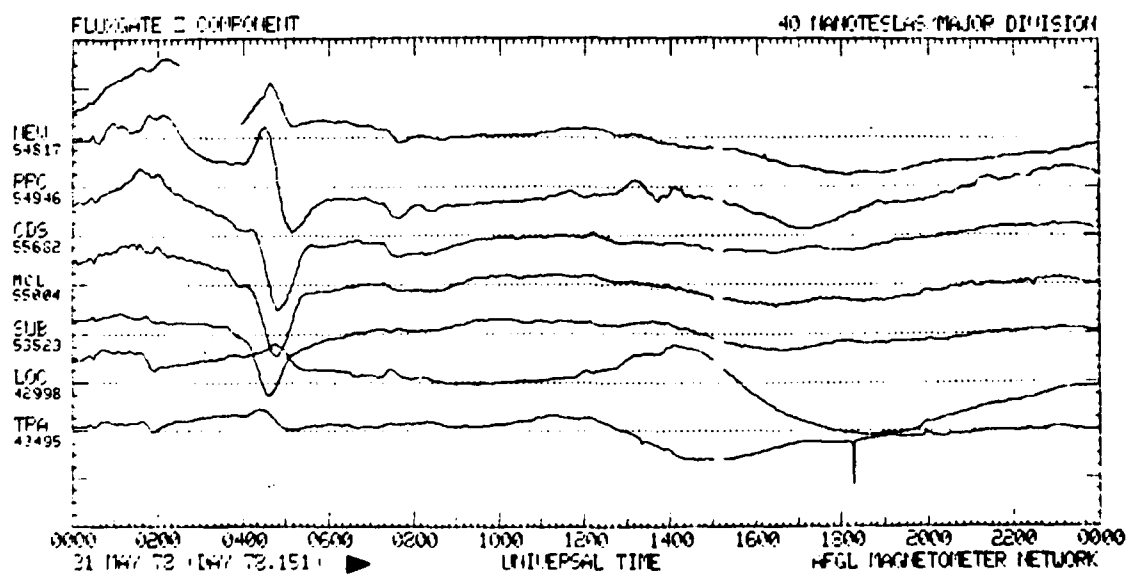
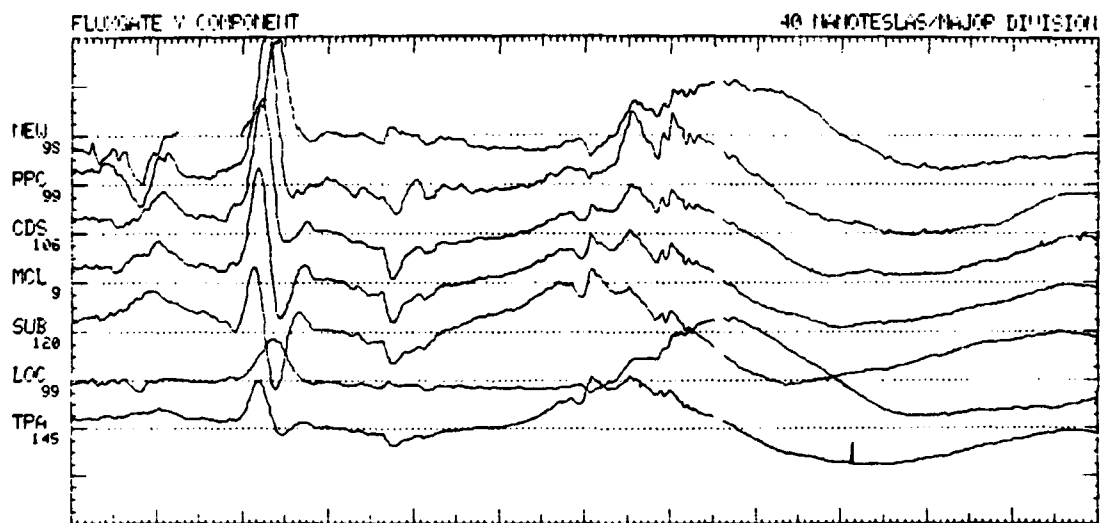
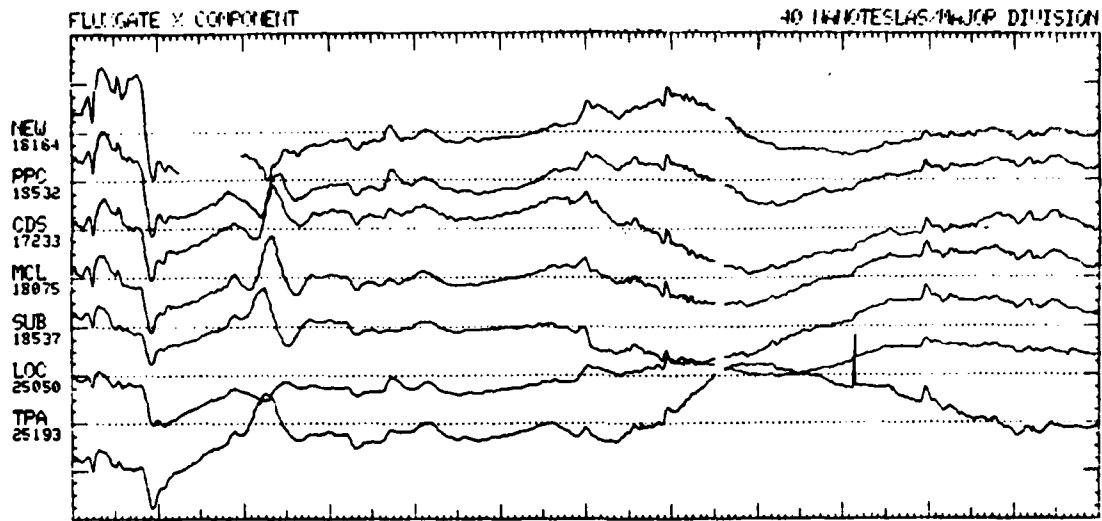


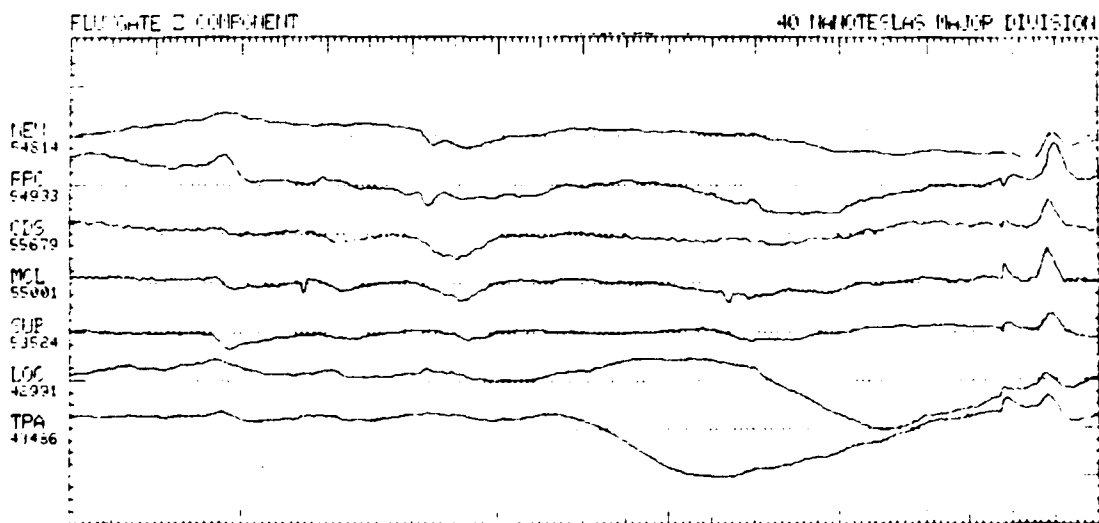
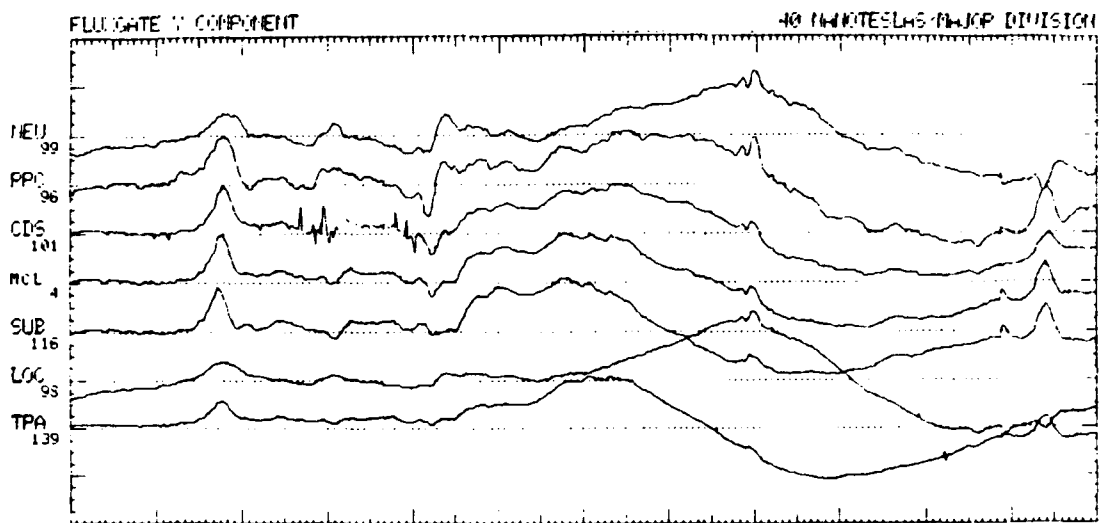
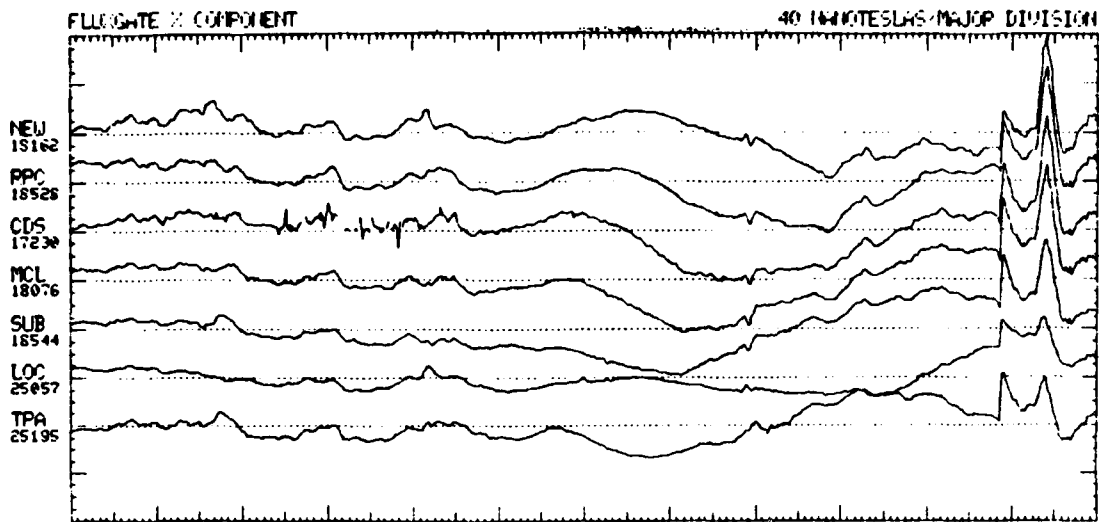






0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 30 MAY 72 (MAY 72.150) ▶ UNIVERSAL TIME H-FGL MAGNETOMETER NETWORK



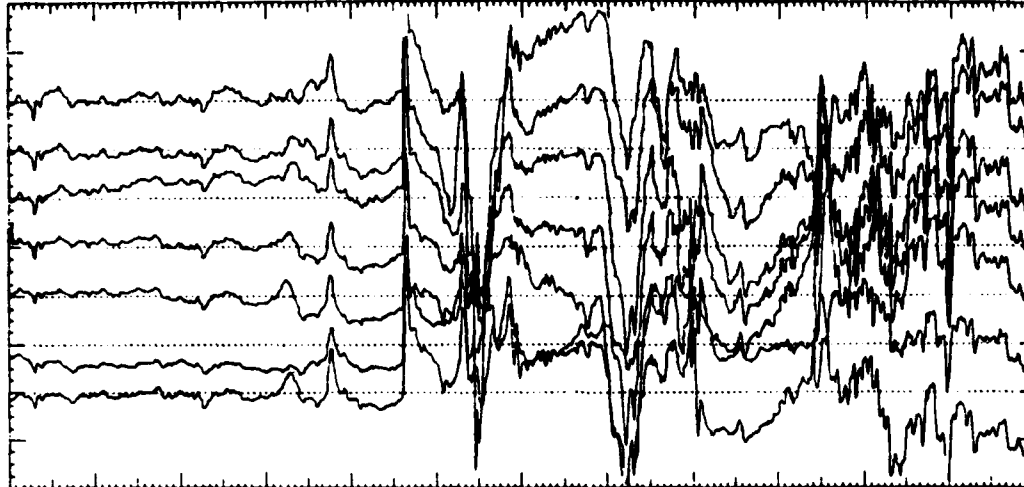


01 JUN 72 (147 72.152) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

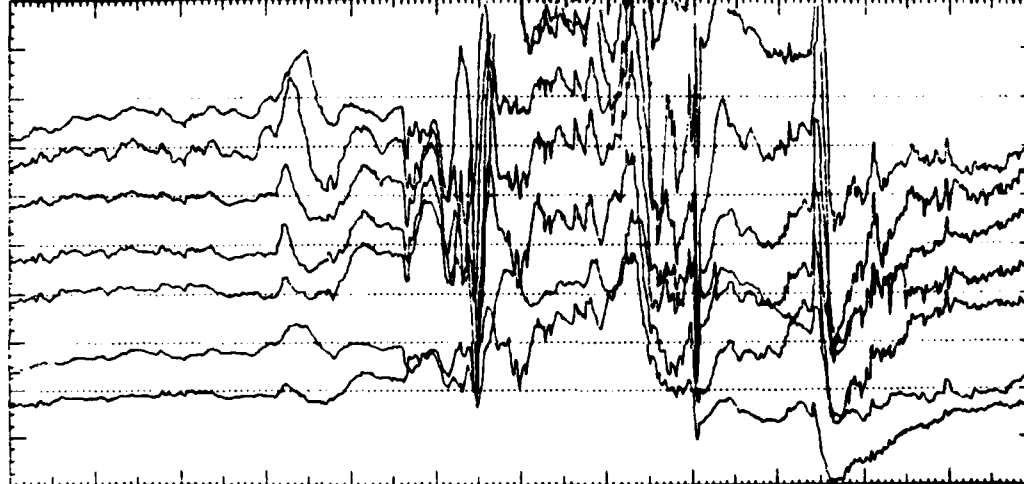
NEU
18176
RPC
1554
CDS
17243
MCL
18055
SUB
18555
LOC
25082
TPA
25208



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

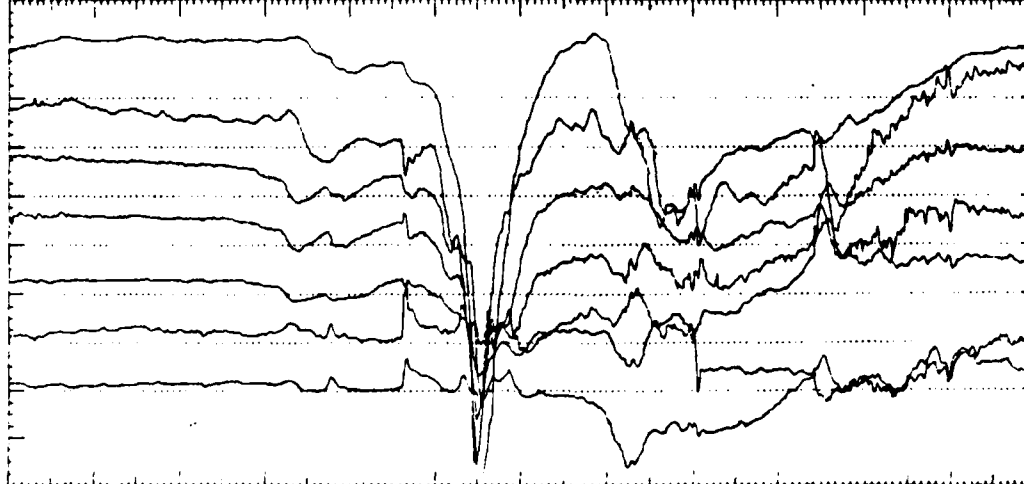
NEU
102
RPC
96
CDS
99
MCL
9
SUB
115
LOC
101
TPA
146



FLIGHTLINE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54773
RPC
54910
CDS
55645
MCL
54979
SUB
53509
LOC
42988
TPA
43459

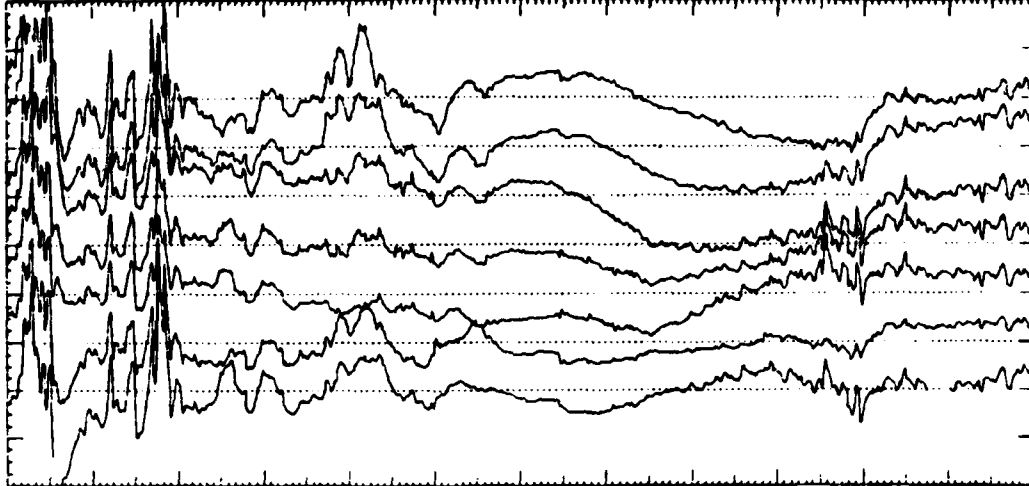


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
02 JUN 72 (DAY 73.153) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS MAJOR DIVISION

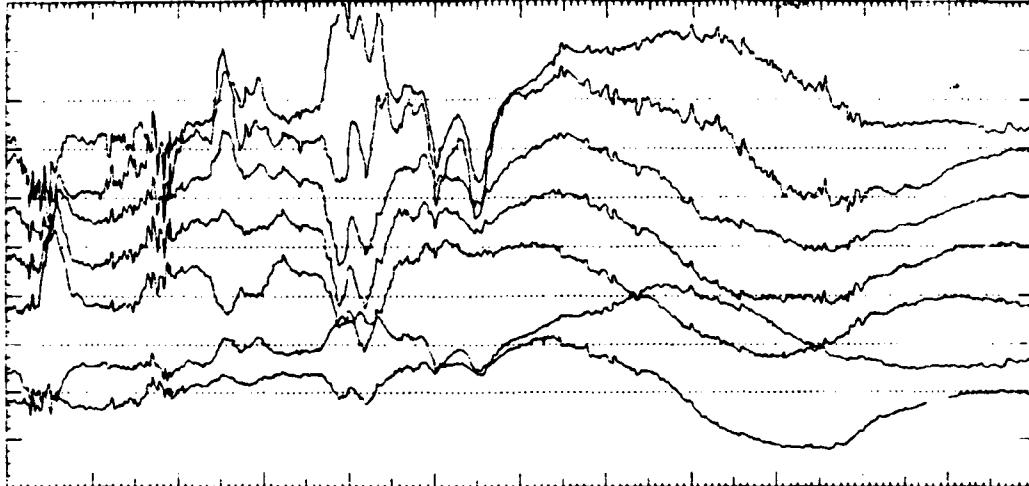
NEU
15164
PPC
13534
CDS
17227
MCL
13665
SUE
13529
LOC
25237
TPA
25177



FLIGHTLINE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

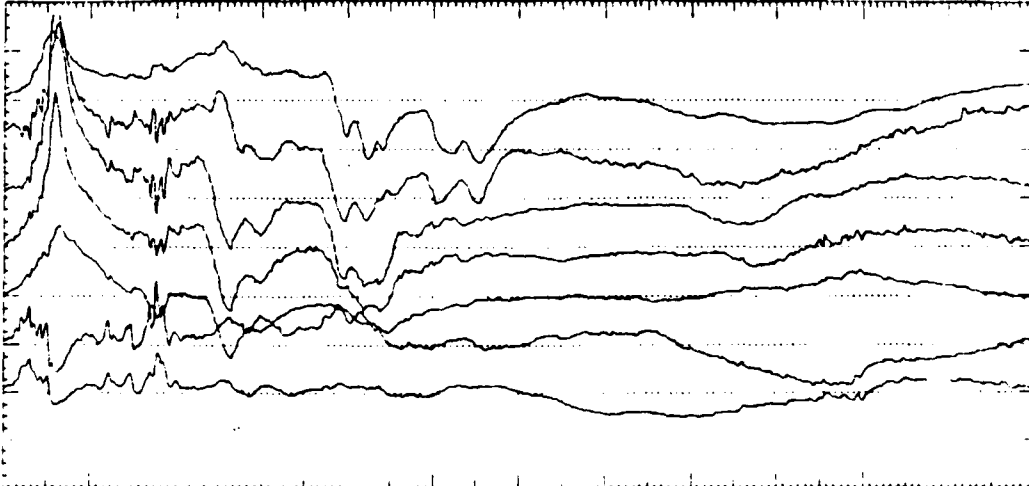
NEU
32
PPC
92
CDS
95
MCL
2
SUE
118
LOC
96
TPA
141



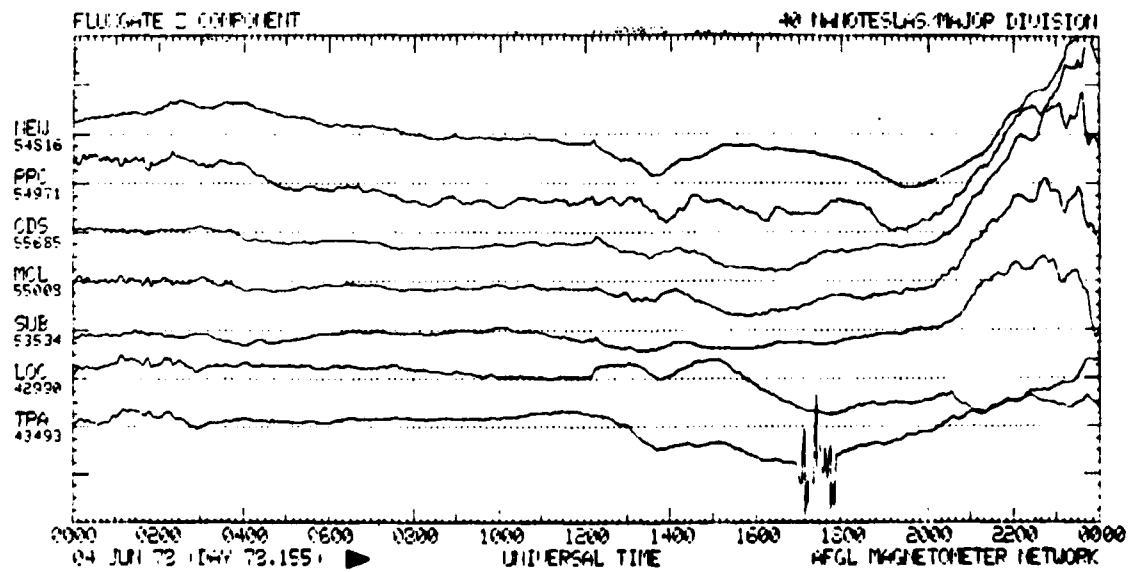
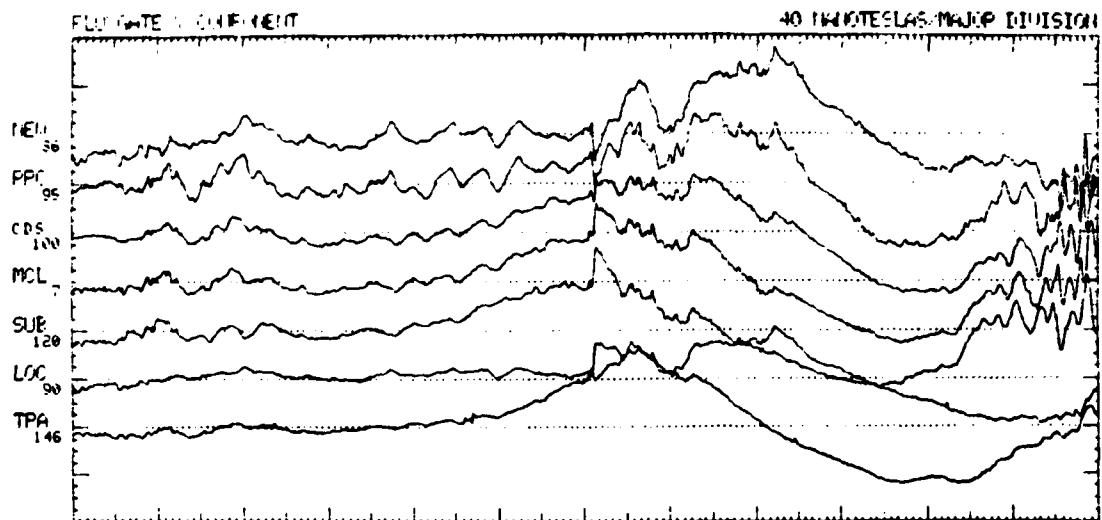
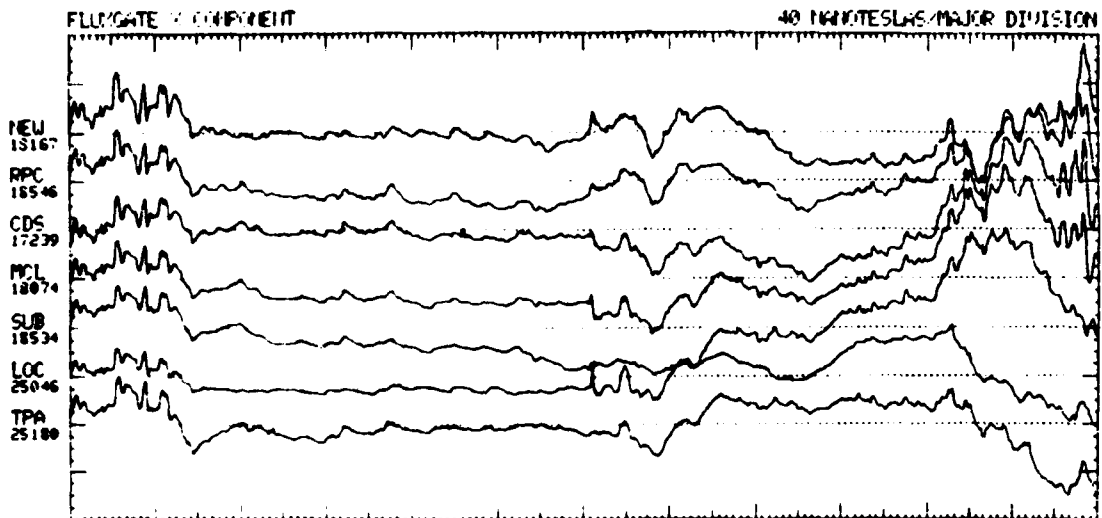
FLIGHTLINE Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54513
PPC
54959
CDS
55679
MCL
55004
SUE
53531
LOC
43990
TPA
43498



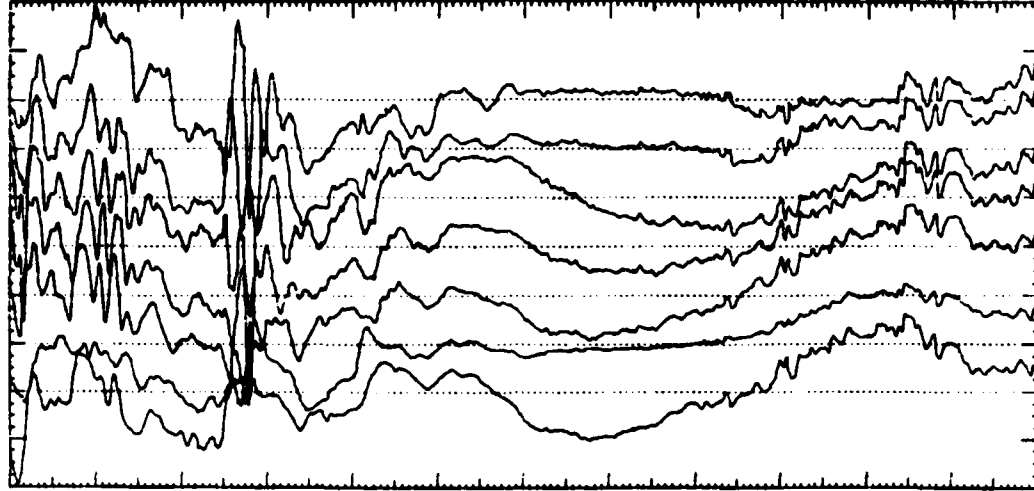
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
03 JUN 72 (DAY 72.154) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHTGATE X COMPONENT

40 NANOTESLAS-MAJOR DIVISION

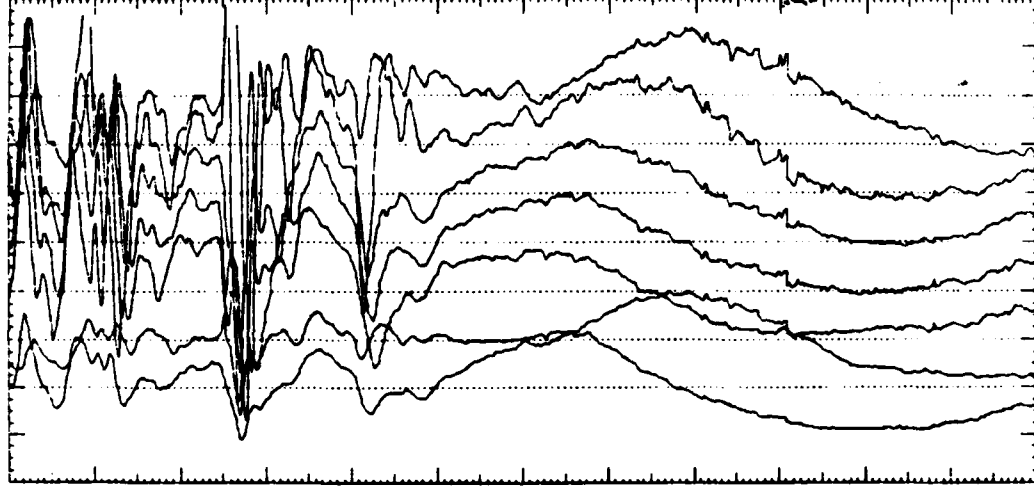
NEW
18166
PPC
18531
CDS
17213
MCL
18049
SUB
18505
LOC
25032
TPA
25168



FLIGHTGATE Y COMPONENT

40 NANOTESLAS-MAJOR DIVISION

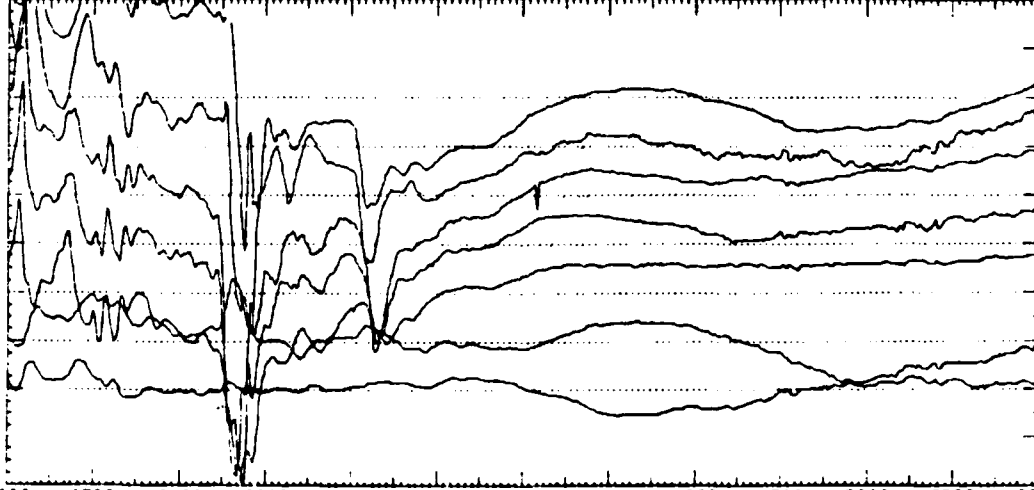
NEW
35
PPC
106
CDS
107
MCL
1
SUB
122
LOC
103
TPA
147



FLIGHTGATE Z COMPONENT

40 NANOTESLAS-MAJOR DIVISION

NEW
54922
PPC
54966
CDS
55665
MCL
54987
SUB
53512
LOC
43003
TPA
43500

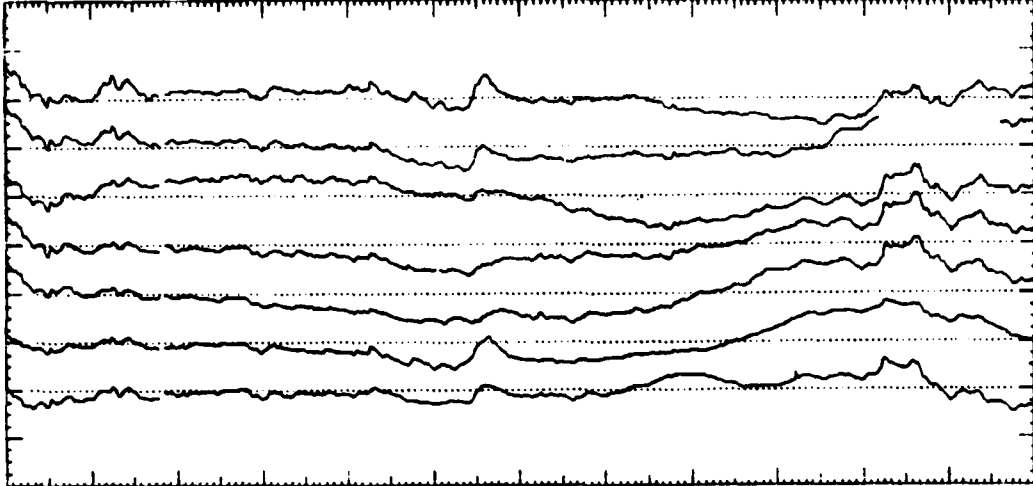


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
(05 JUL 78 (147 78.156) ► UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

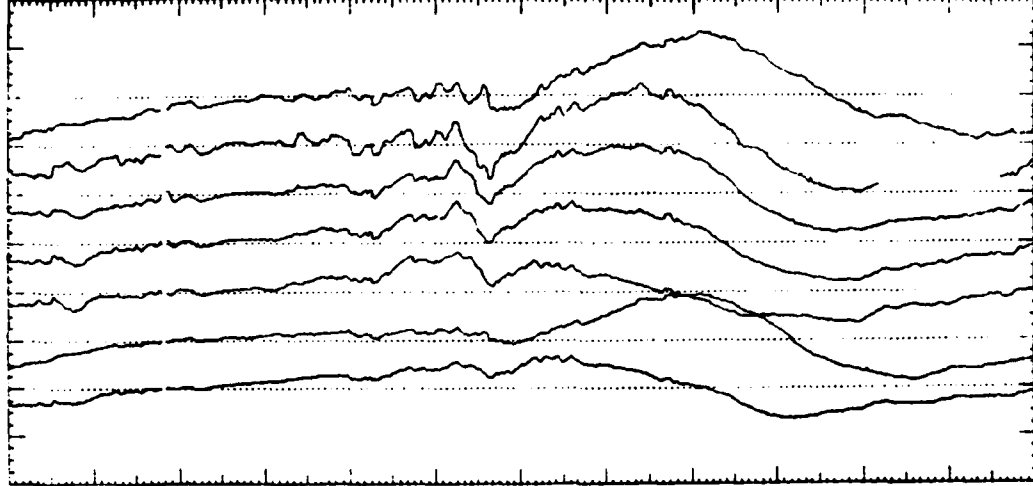
NEW 18165
PPC 18541
CDS 17231
MCL 18071
SUB 18524
LOC 25040
TPA 25184



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

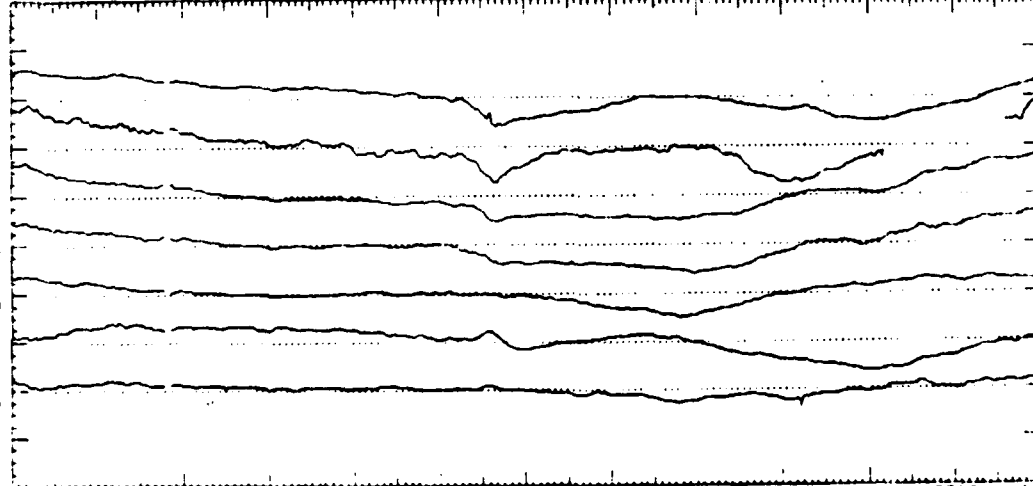
NEW 83
PPC 100
CDS 101
MCL 4
SUB 111
LOC 92
TPA 142



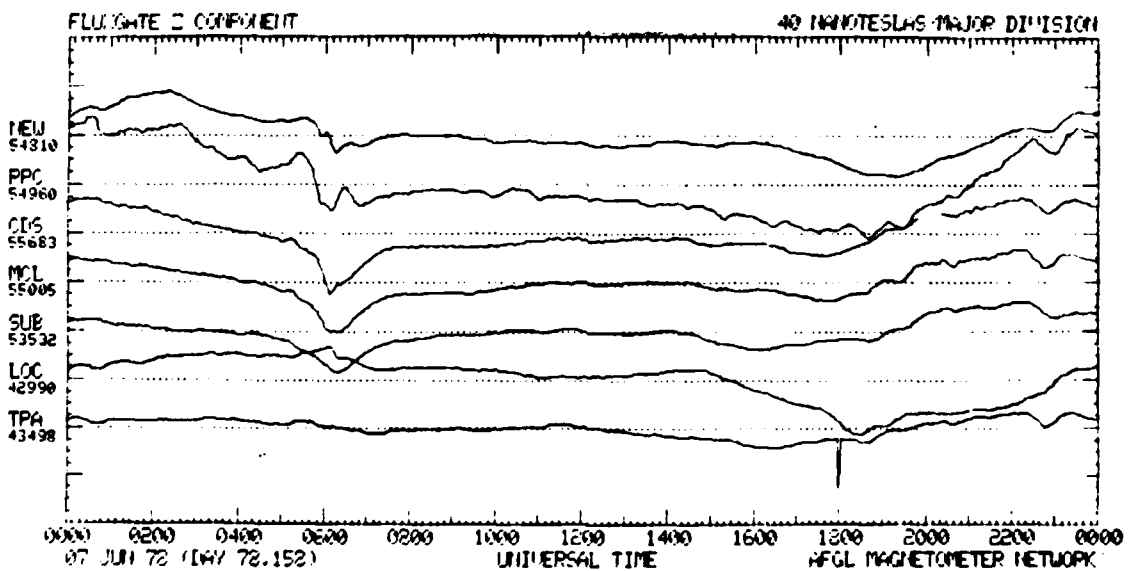
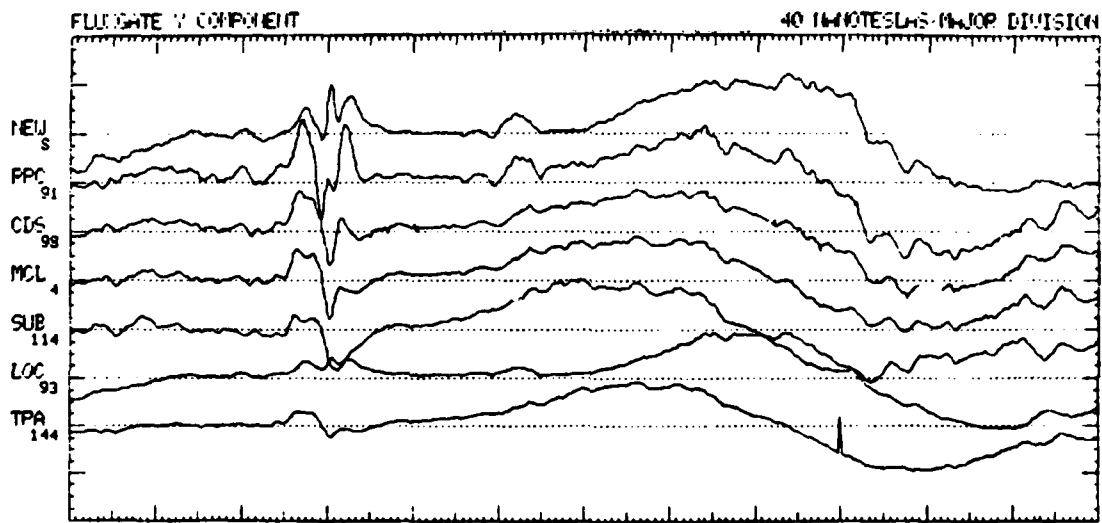
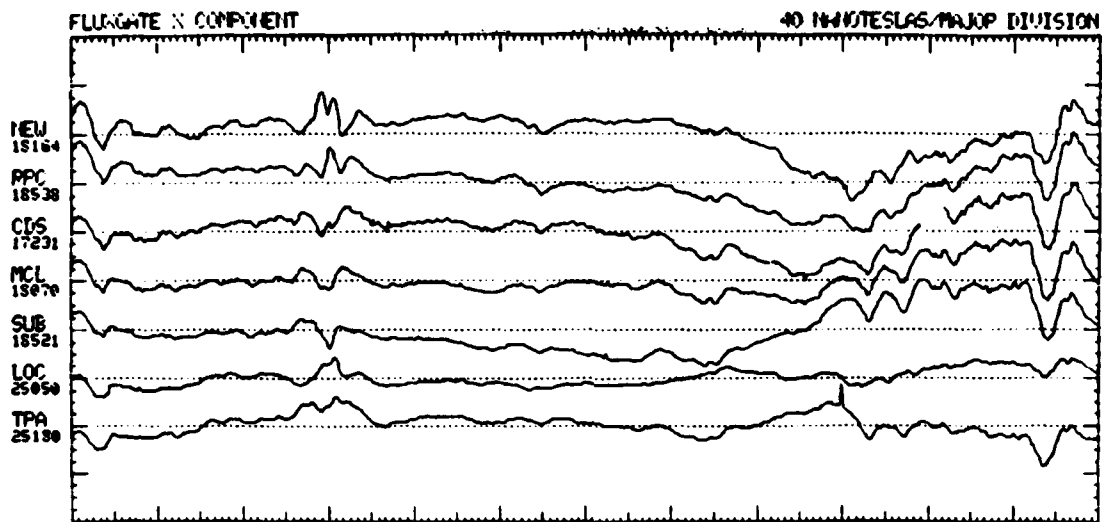
FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW 54811
PPC 54966
CDS 55676
MCL 54997
SUB 53530
LOC 42993
TPA 43496



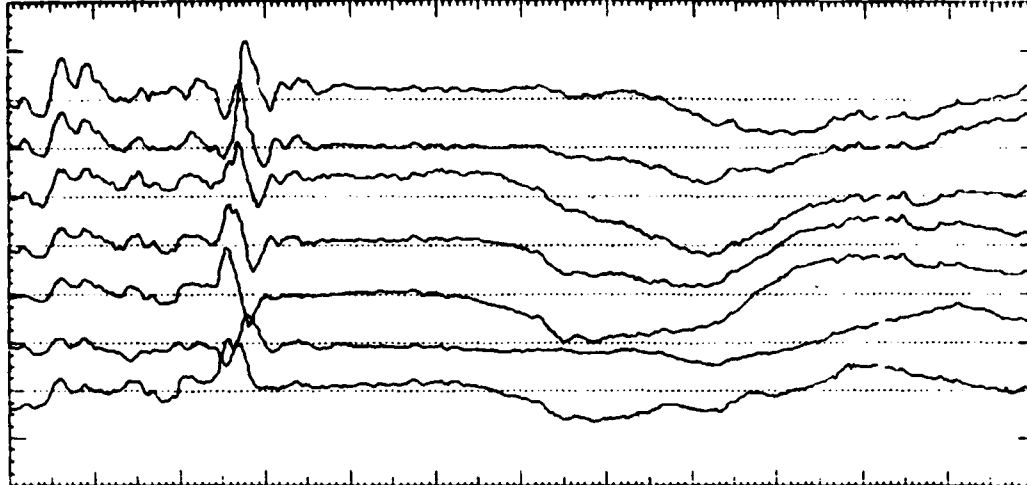
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
06 JUN 73 (147 72.157) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHT X COMPONENT

40 NANOTESLAS MAJOR DIVISION

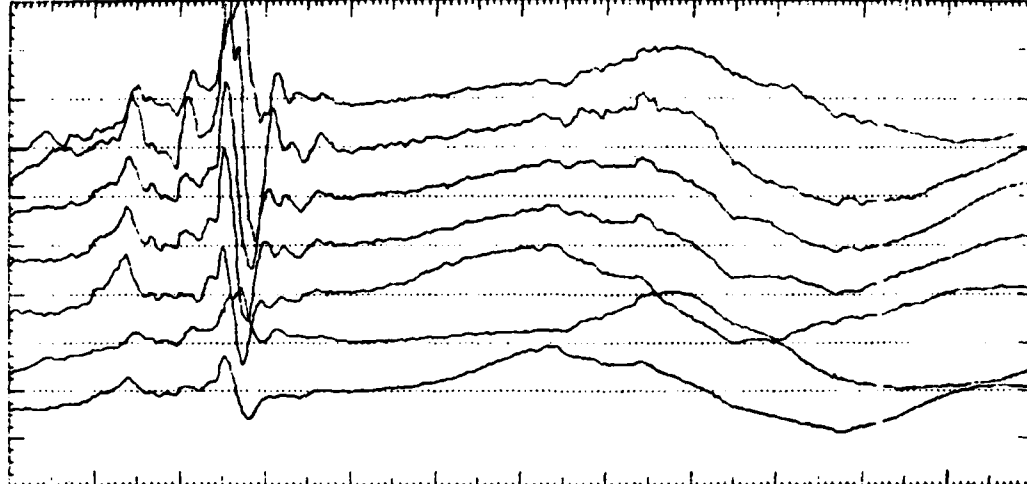
NEU
18169
PPC
18544
CDS
17234
MCL
18068
SUB
18525
LOC
25055
TPA
25183



FLIGHT Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

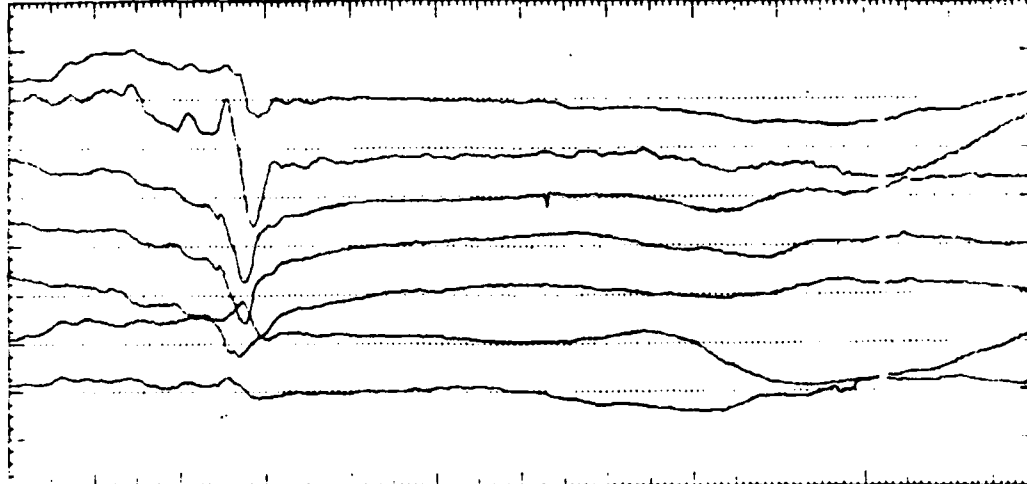
NEU
85
PPC
97
CDS
100
MCL
7
SUB
119
LOC
94
TPA
149



FLIGHT Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

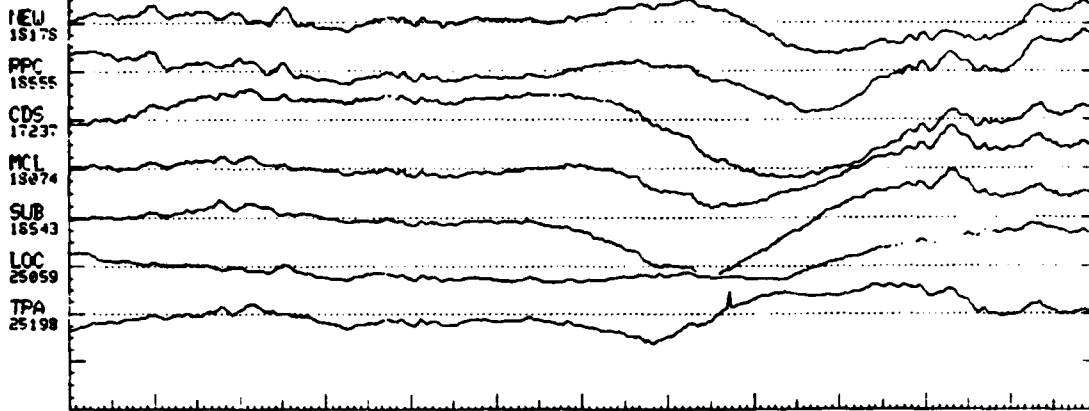
NEU
54811
PPC
54964
CDS
55672
MCL
55201
SUB
53530
LOC
42997
TPA
43496



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
02 JUN 73 (DAY 72.159) UNIFORM TIME AFGL MAGNETOMETER NETWORK

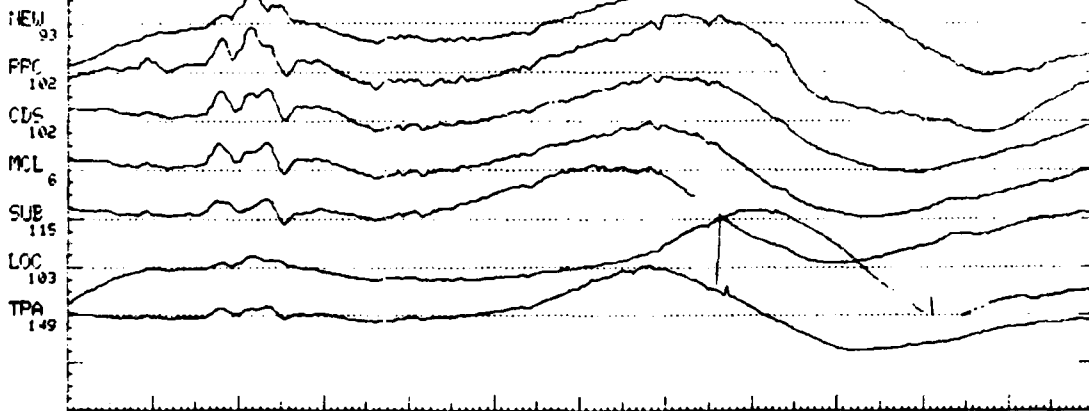
FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



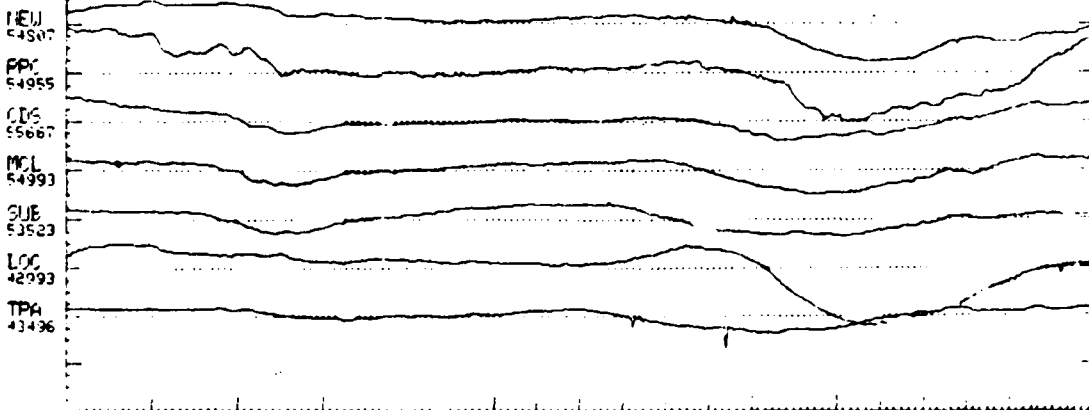
FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

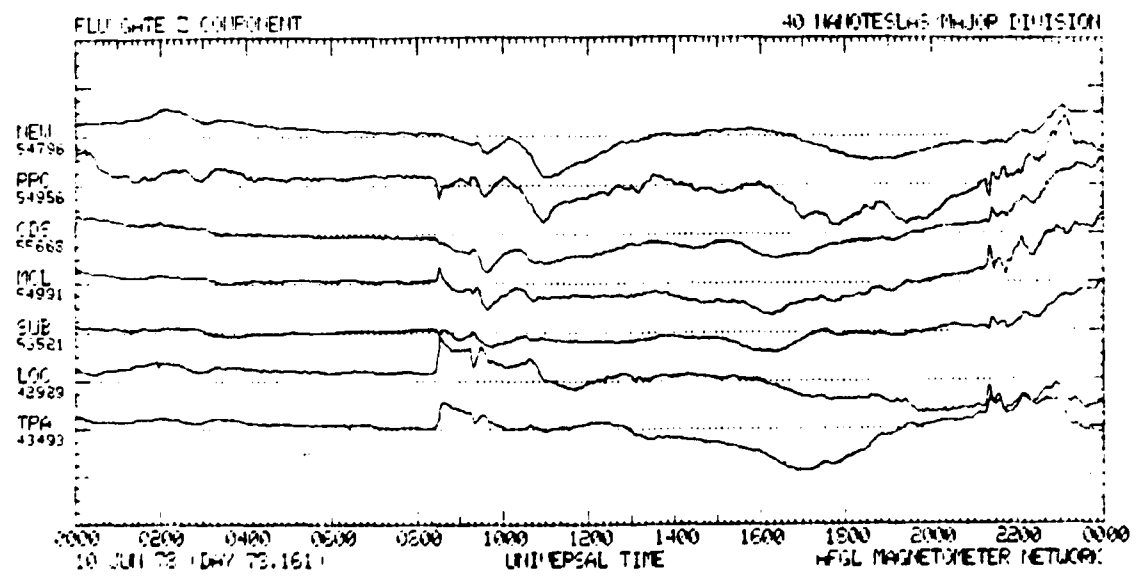
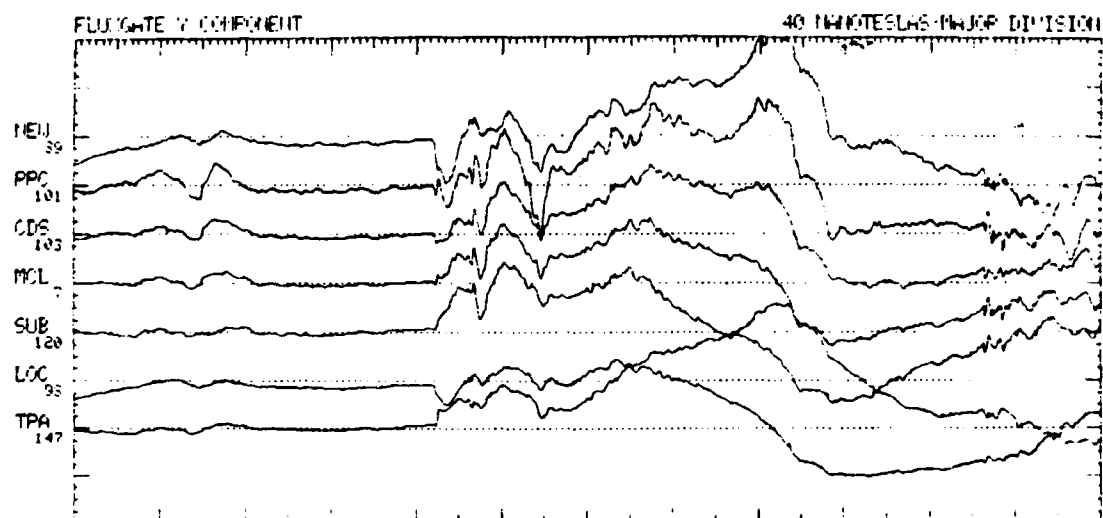
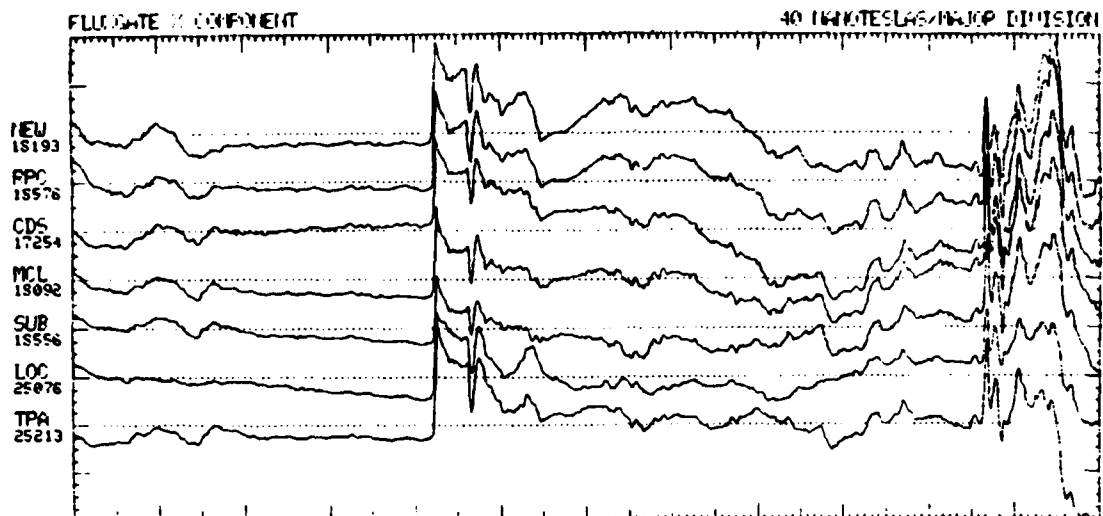


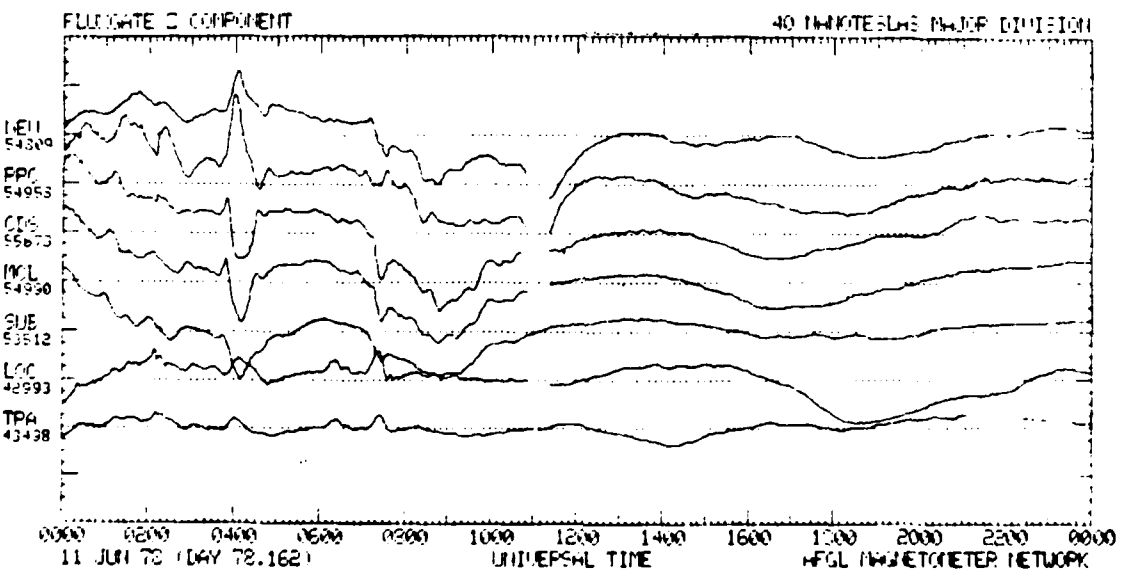
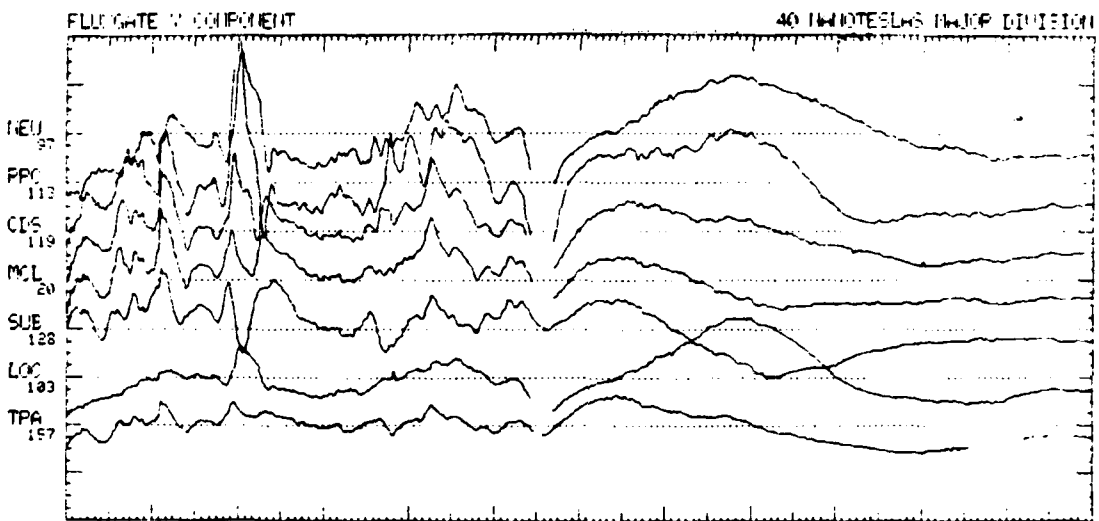
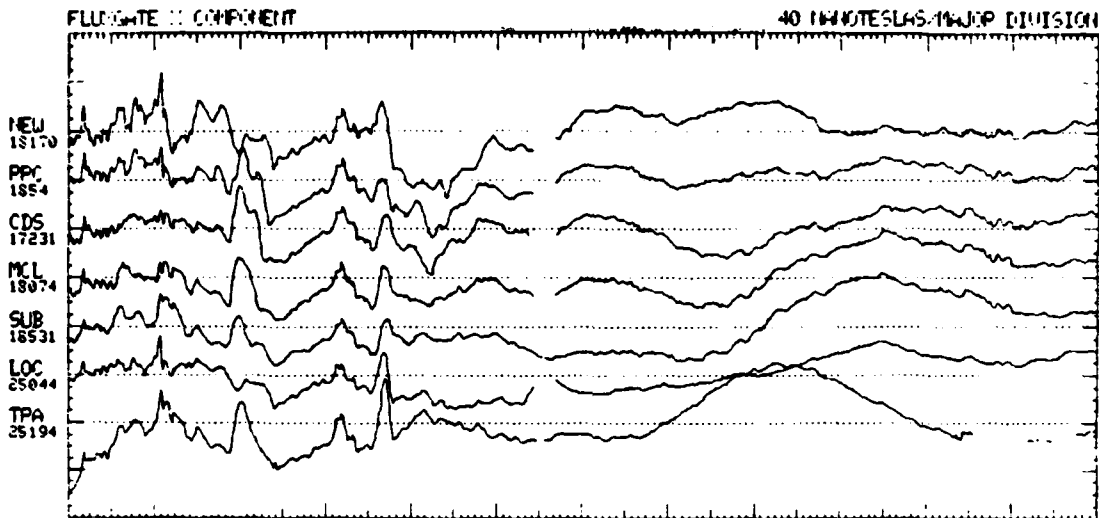
FLIGHTLINE Z COMPONENT

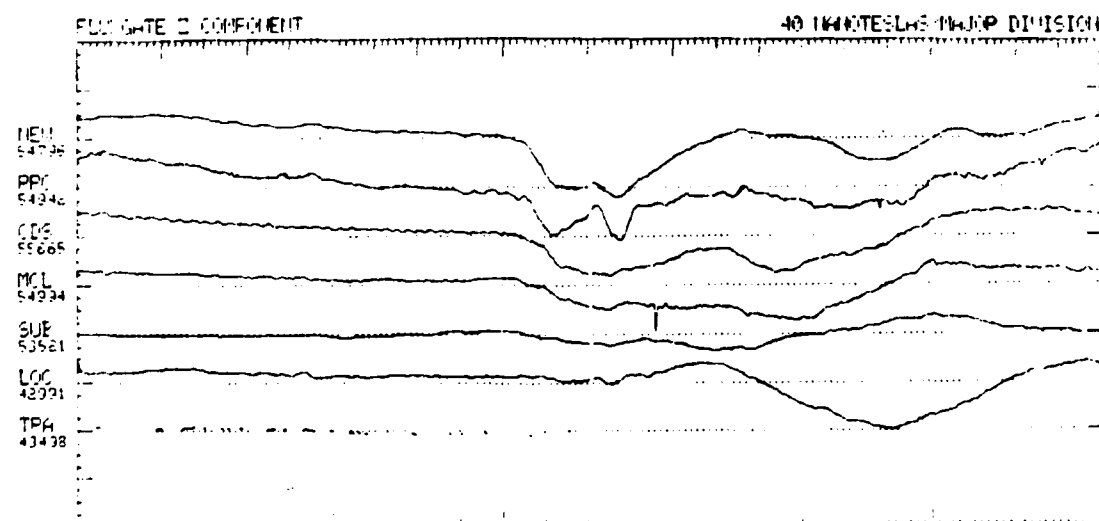
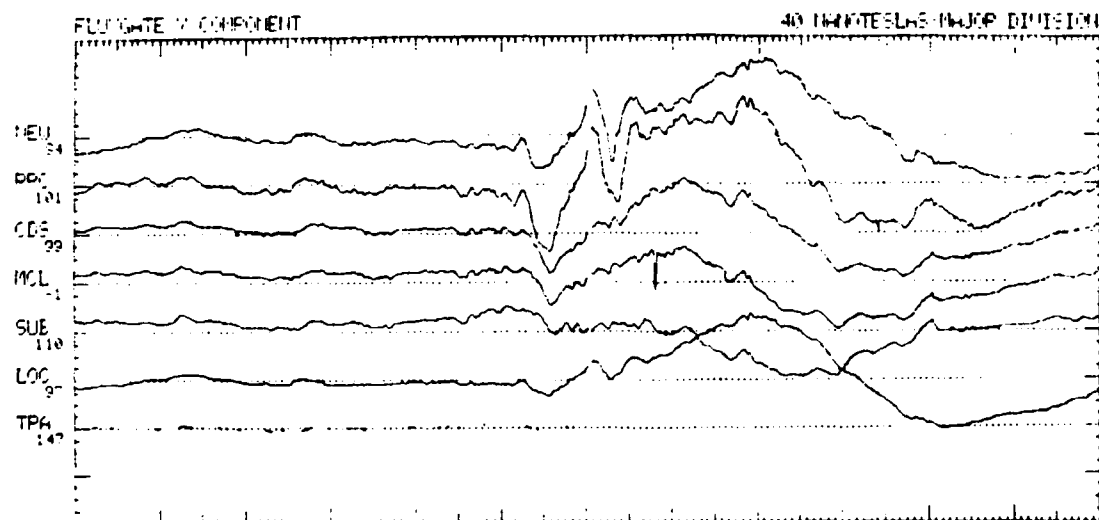
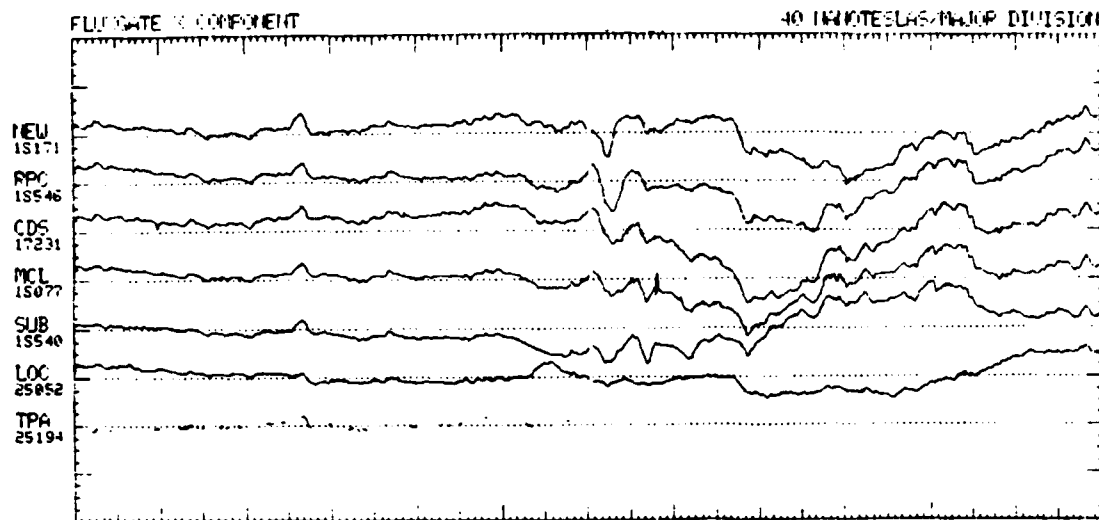
40 NANOTESLAS/MAJOR DIVISION



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 69 JUN 72 (DAY 72.160) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK





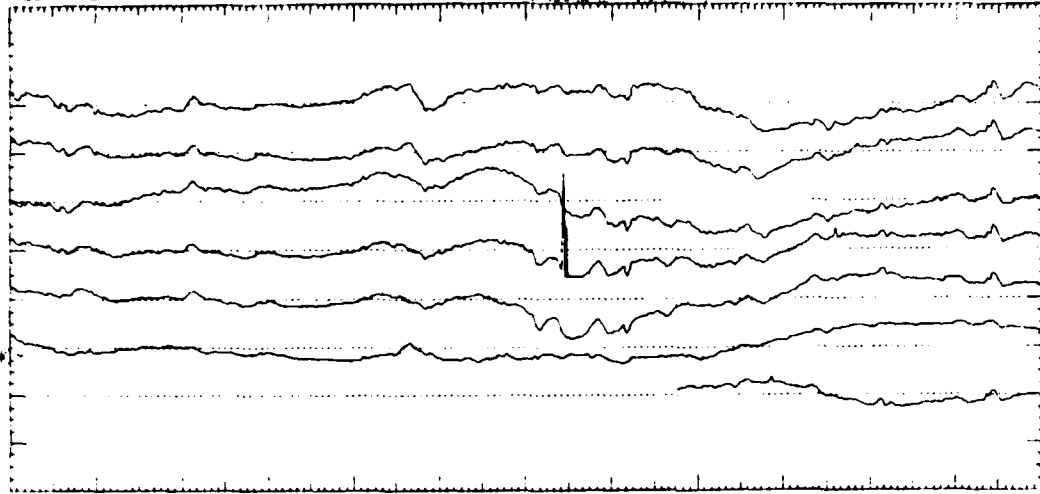


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 12 JUN 75 (DAY 75.153) UNIVERSAL TIME HGL INQUIRY NETWORK

FLIGHTLINE COMPONENT

40 INCHES LAS. MAJOR DIVISION

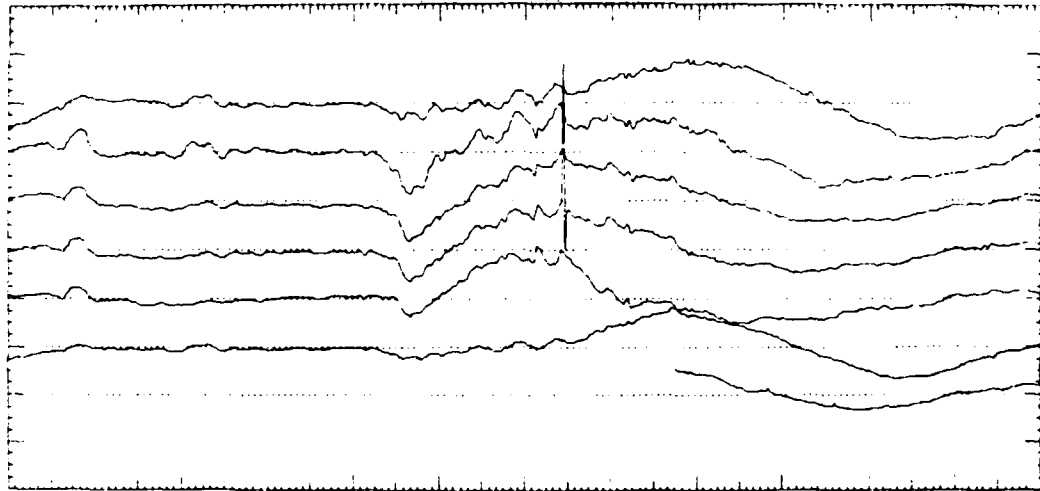
NEW
12177
PPC
15560
CDS
17245
MCL
15075
SUB
18540
LOC
25060
TPA
25194



FLIGHTLINE COMPONENT

40 INCHES LAS. MAJOR DIVISION

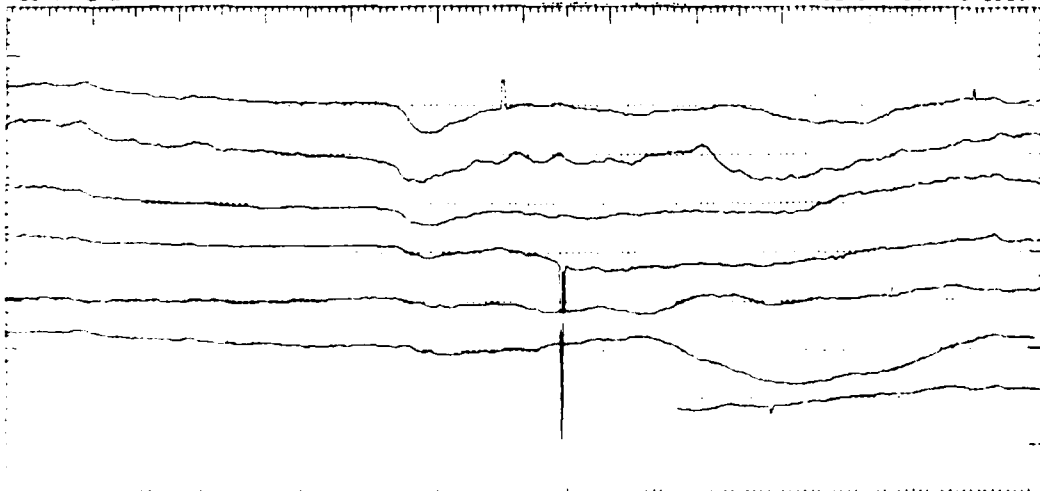
NEW
20
PPC
39
CDS
214
MCL
5
SUB
119
LOC
9
TPA
142



FLIGHTLINE COMPONENT

40 INCHES LAS. MAJOR DIVISION

NEW
54750
PPC
54953
CDS
55665
MCL
54740
SUB
53615
LOC
48991
TPA
47410

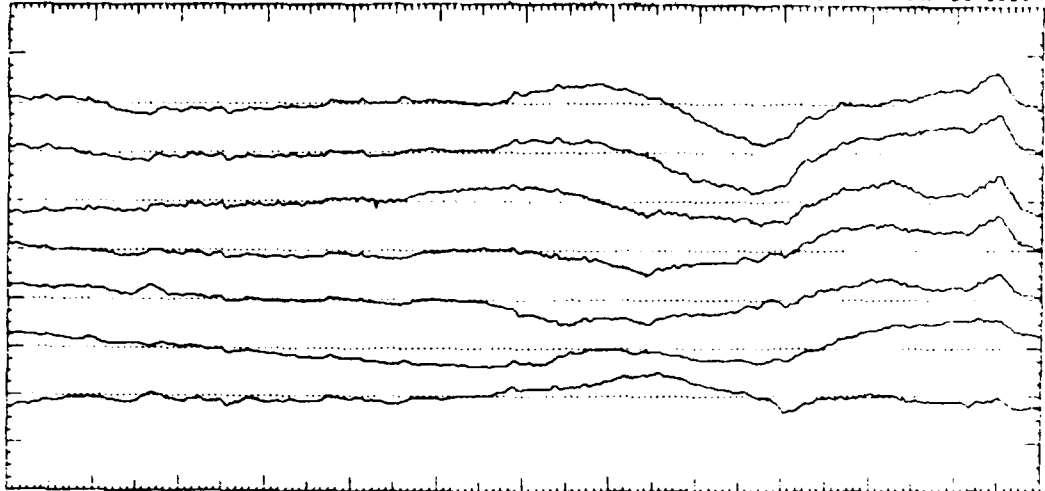


UNIVERSAL TIME 0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000

FLIGHT GATE Y COMPONENT

40 NANOTESLAS/INCH DIVISION

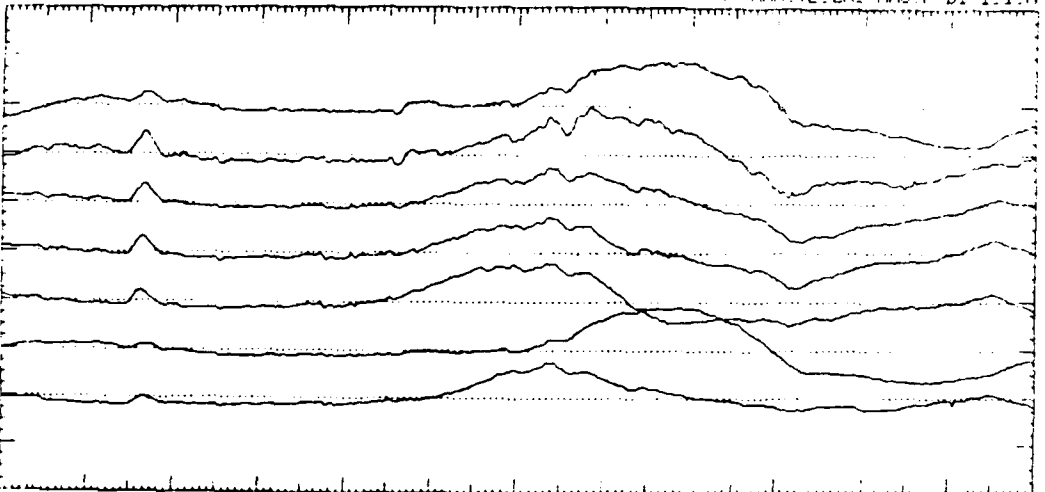
NEW 15181
PPC 15568
CDS 17251
MCL 15030
SUB 15536
LOC 25058
TPA 25202



FLIGHT GATE Y COMPONENT

40 NANOTESLAS/INCH DIVISION

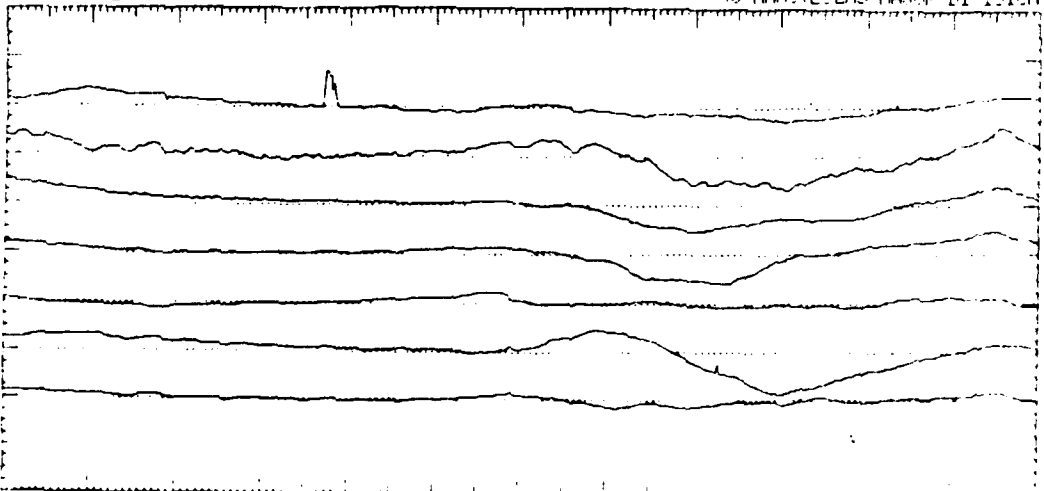
NEW 9
PPC 103
CDS 102
MCL 8
SUB 119
LOC 99
TPA 151



FLIGHT GATE Z COMPONENT

40 NANOTESLAS/INCH DIVISION

NEW 54798
PPC 54353
CDS 55663
MCL 54390
SUB 53523
LOC 42387
TPA 43494

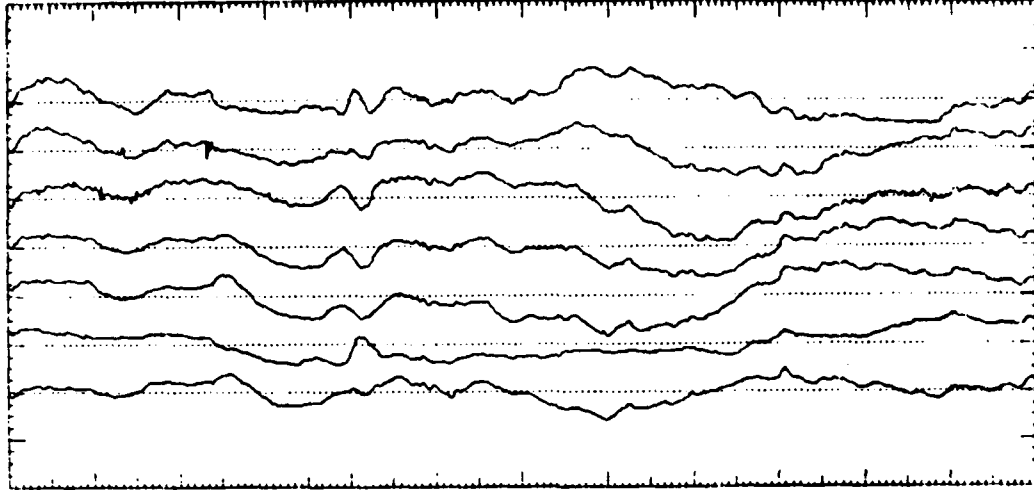


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
14 JUN 73 (DAY 72.165) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHT 11 COMPONENT

40 INCHESLAS-MAJOR DIVISION

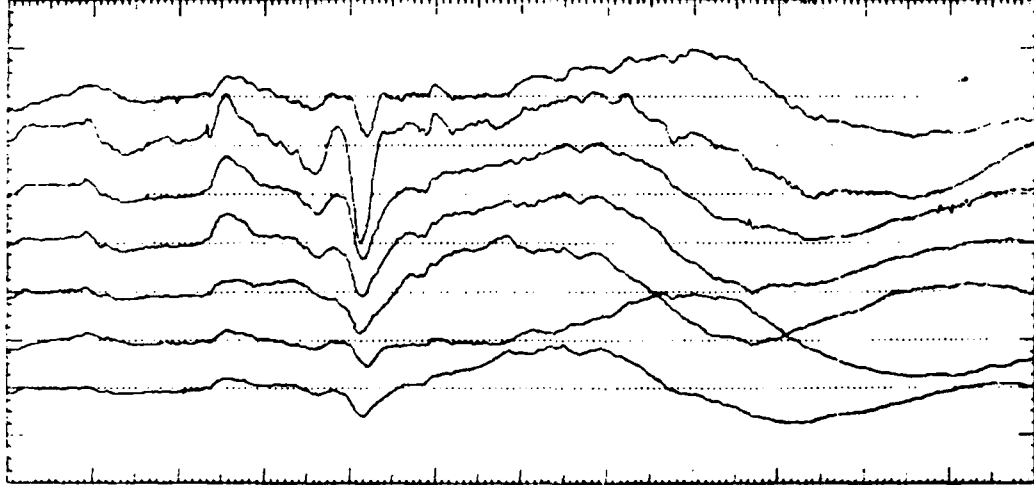
NEU 18178
PPC 18568
CDS 17242
MCL 18878
SUB 18530
LOC 25056
TPA 25196



FLIGHT 12 COMPONENT

40 INCHESLAS-MAJOR DIVISION

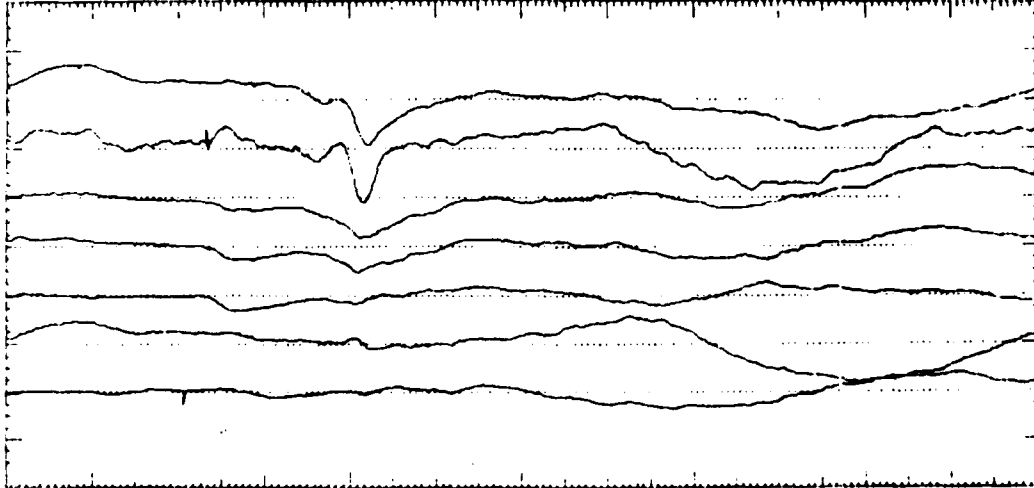
NEU 91
PPC 100
CDS 103
MCL 11
SUB 119
LOC 99
TPA 14



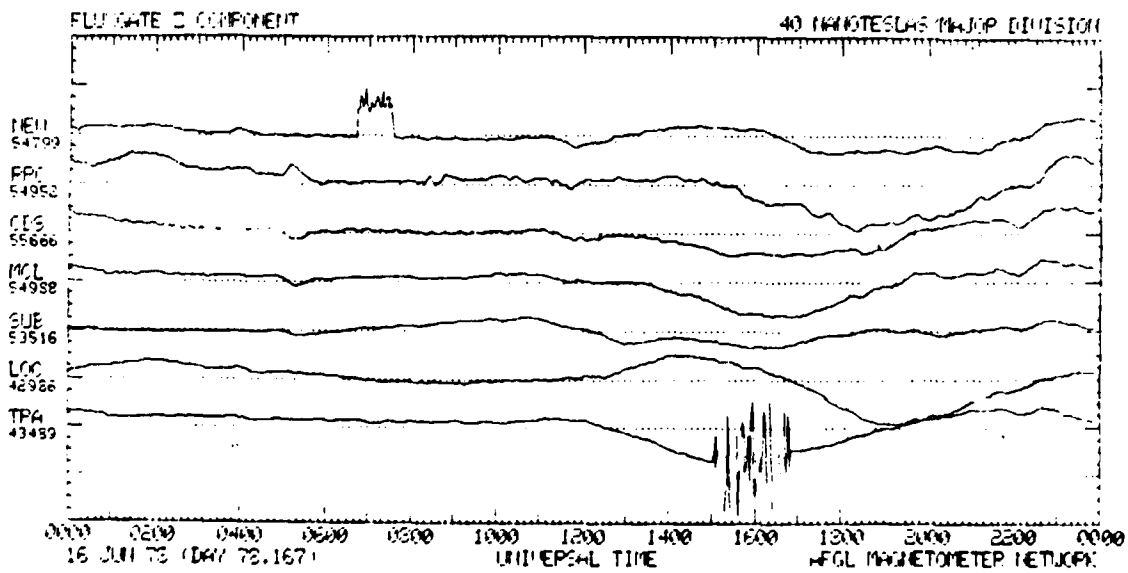
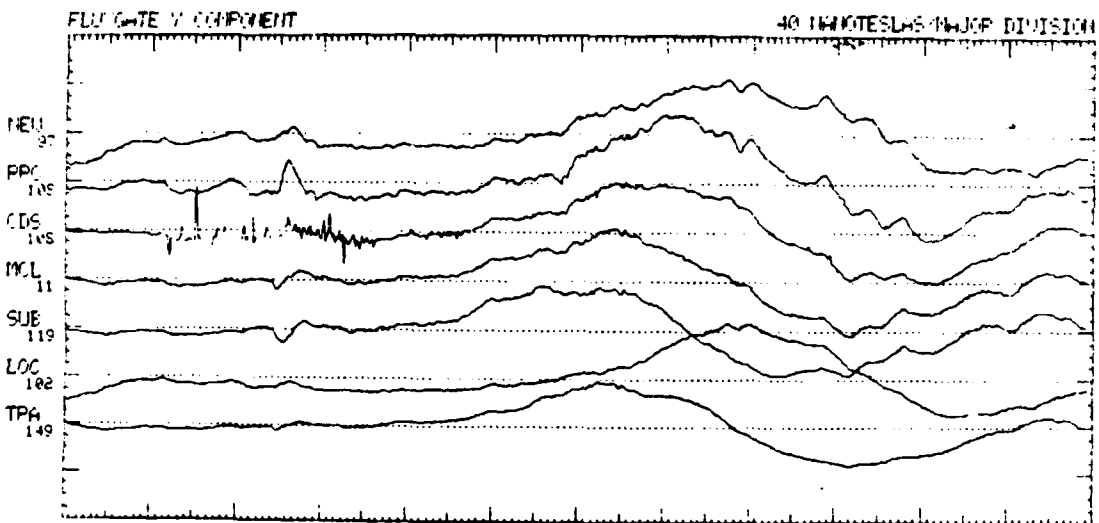
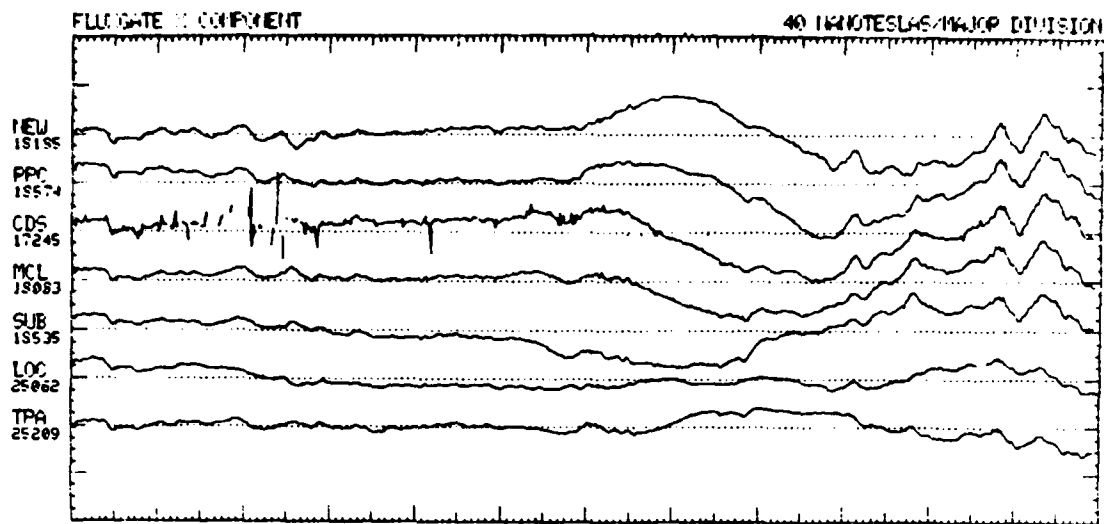
FLIGHT 13 COMPONENT

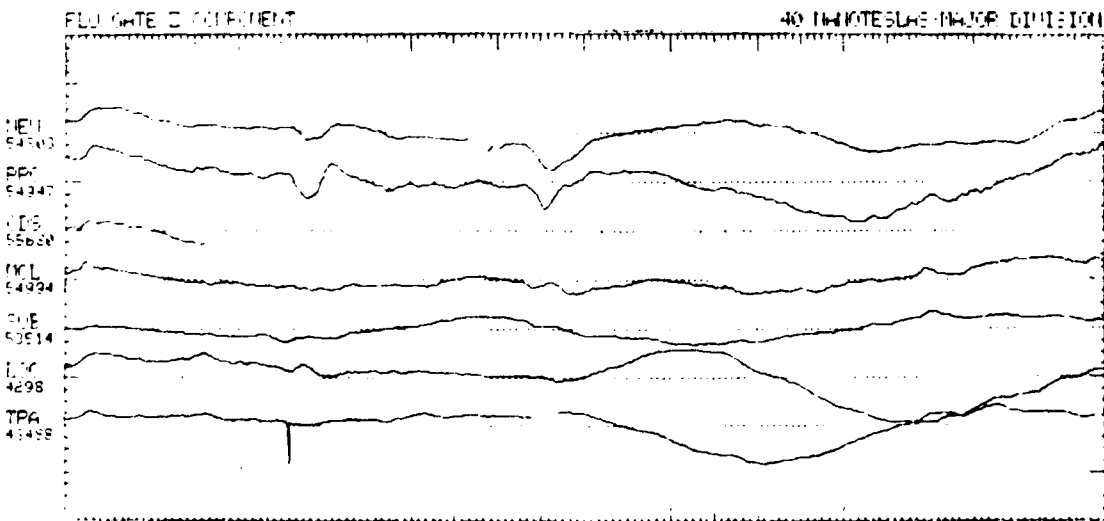
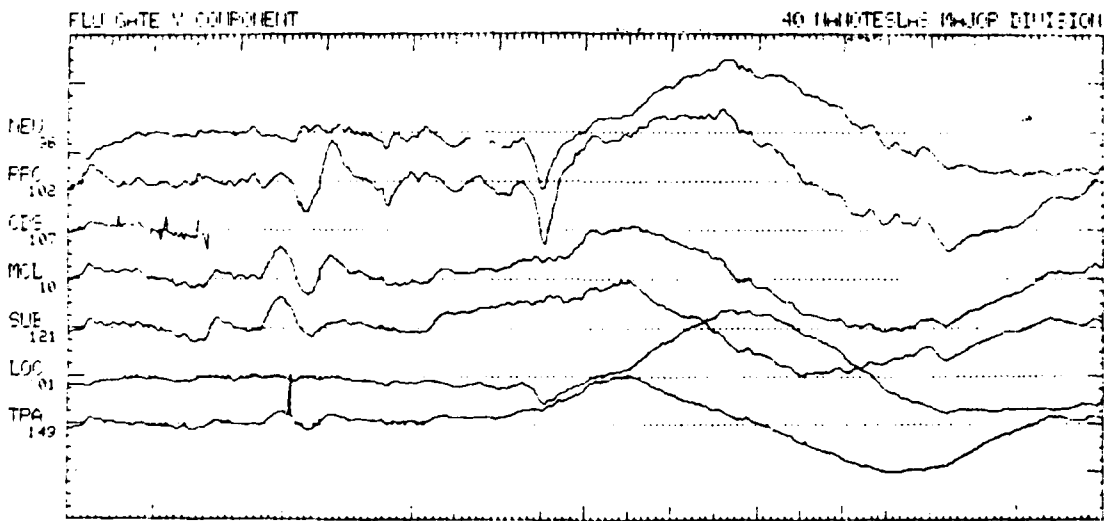
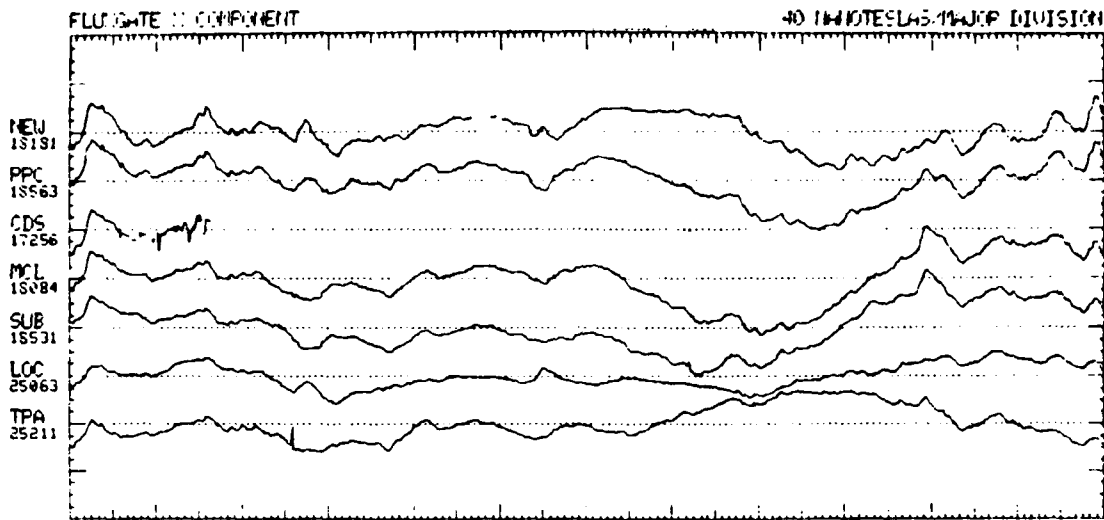
40 INCHESLAS-MAJOR DIVISION

NEU 54795
PPC 54955
CDS 55267
MCL 54394
SUB 53522
LOC 42985
TPA 43435



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
15 JUN 72 (147 72.166) UNIVERSAL TIME HGL MAGNETOMETER NETWORK



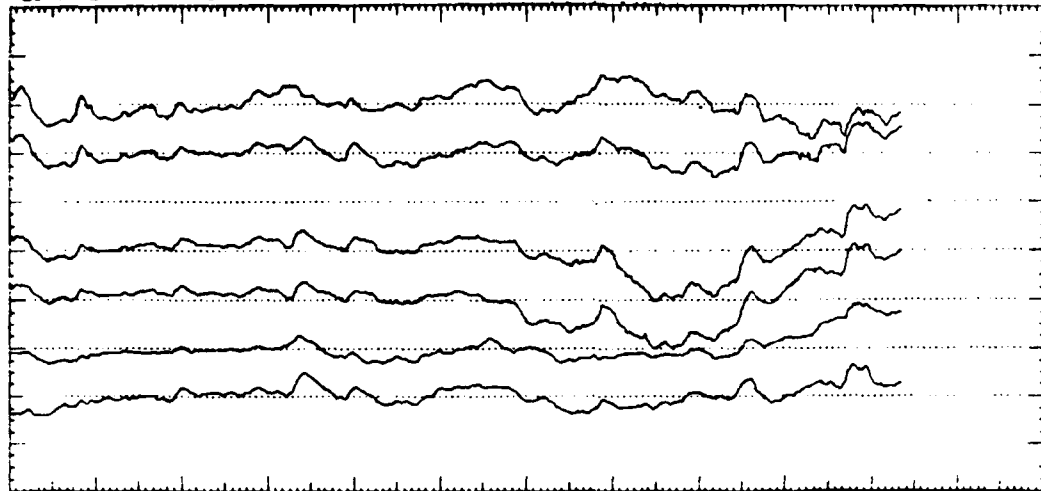


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 17 JUL 78 (1977 08 168) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHT 1 Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

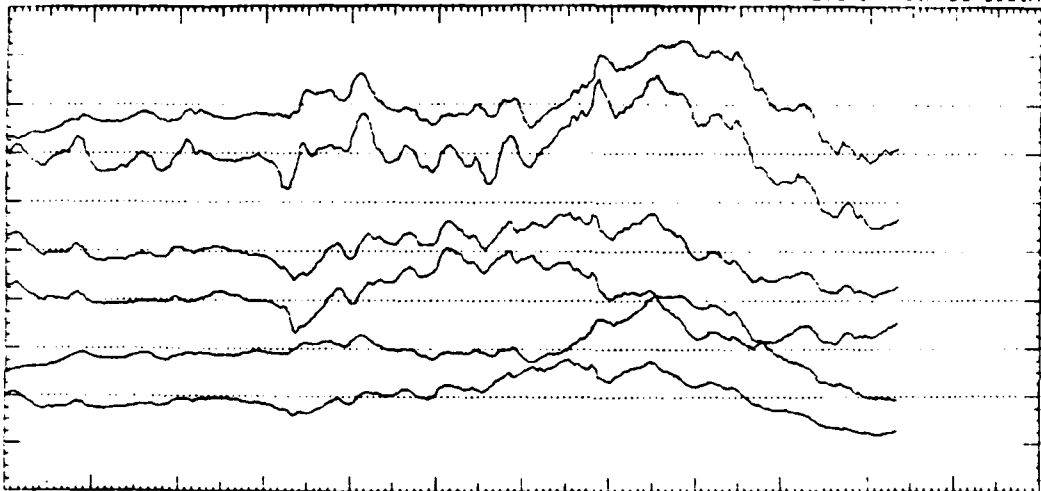
NEU
15187
PPC
15567
CDS
17256
MCL
16088
SUB
18531
LOC
25069
TPA
25205



FLIGHT 1 Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

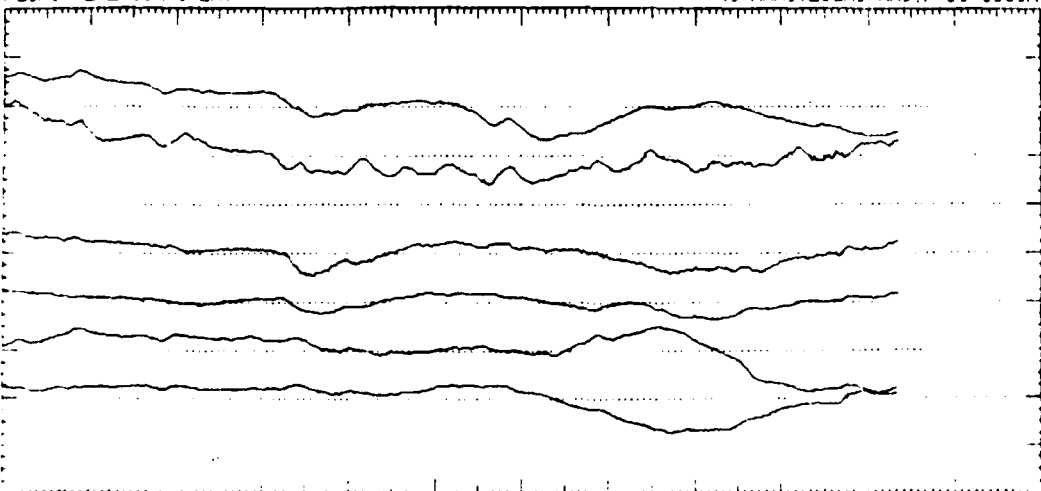
NEU
37
PPC
39
CDS
107
MCL
7
SUB
114
LOC
99
TPA
151



FLIGHT 2 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
5479
PPC
54937
CDS
45650
MCL
54992
SUB
61511
LOC
42986
TPA
41454

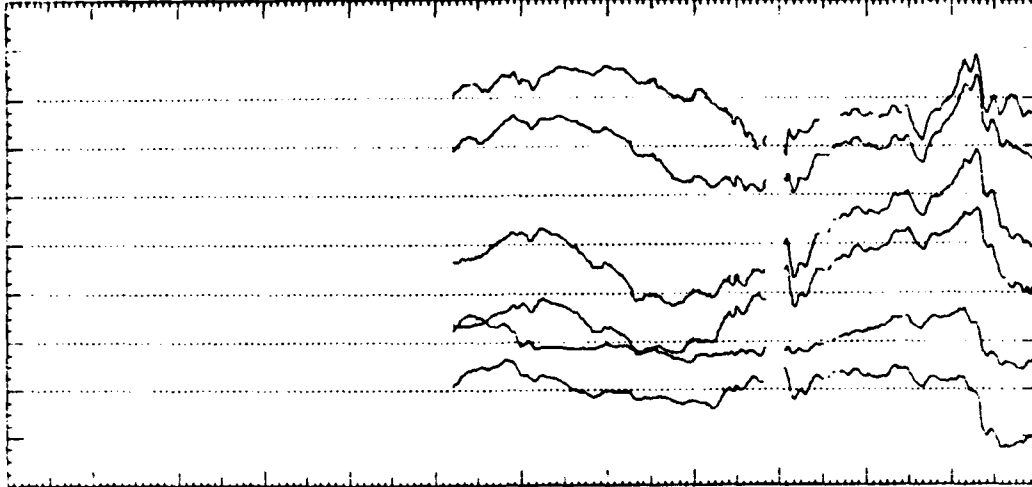


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
13 JUN 73 (DAY 73.169) UNIVERSAL TIME HGL MAGNETOMETER NETWORK

FLIGHTLINE COMPONENT

40 THOMAS LAG HAWK DIVISION

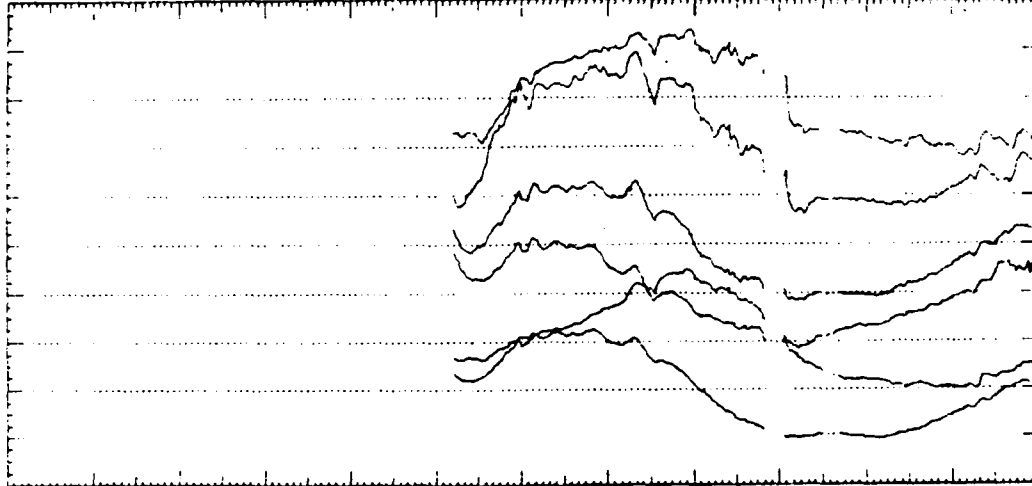
NEW
18184
PPC
18572
CDS
17256
MCL
18088
SUB
18548
LOC
25057
TPA
25202



FLIGHTLINE COMPONENT

40 THOMAS LAG HAWK DIVISION

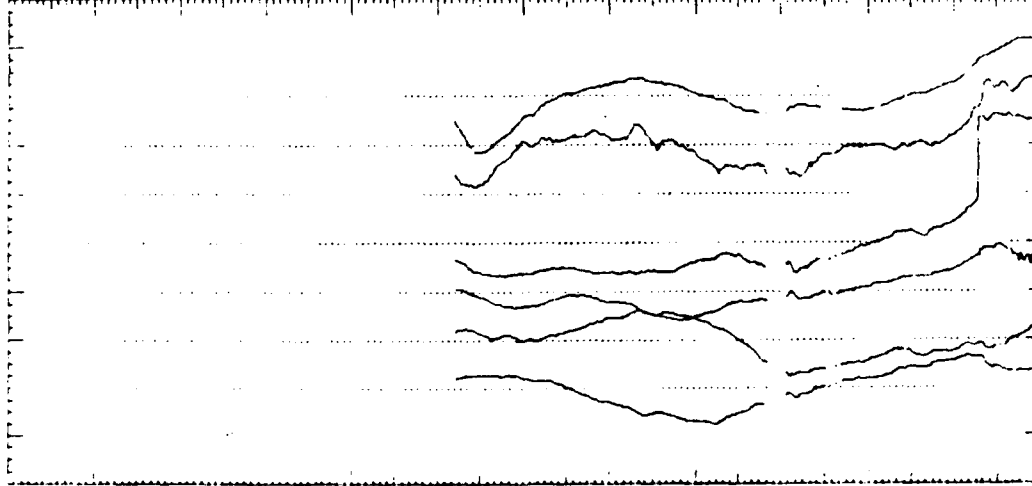
NEW
101
PPC
107
CDS
107
MCL
7
SUB
121
LOC
105
TPA
146



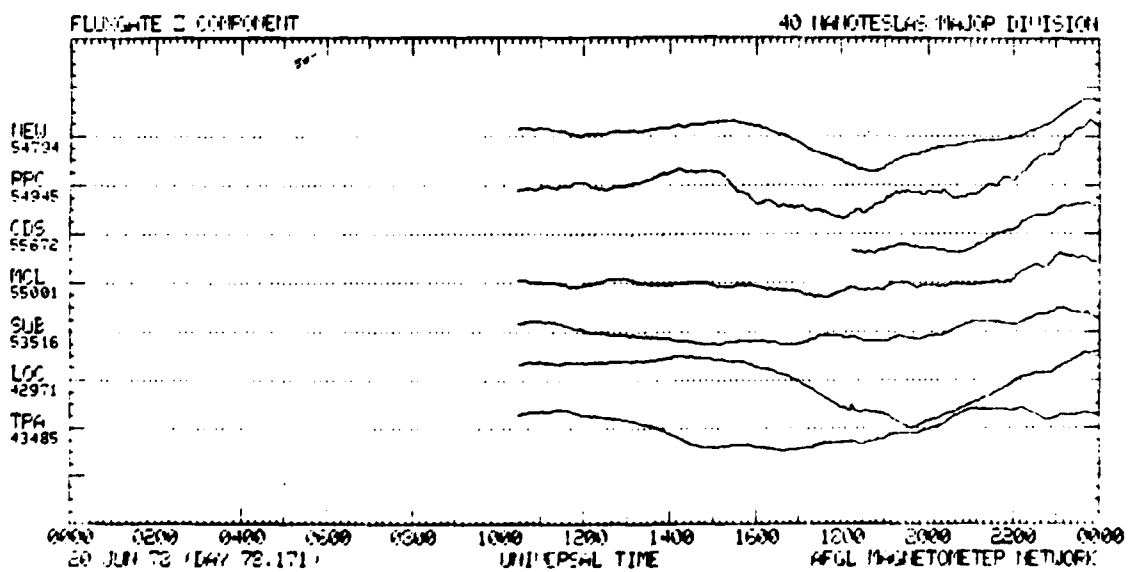
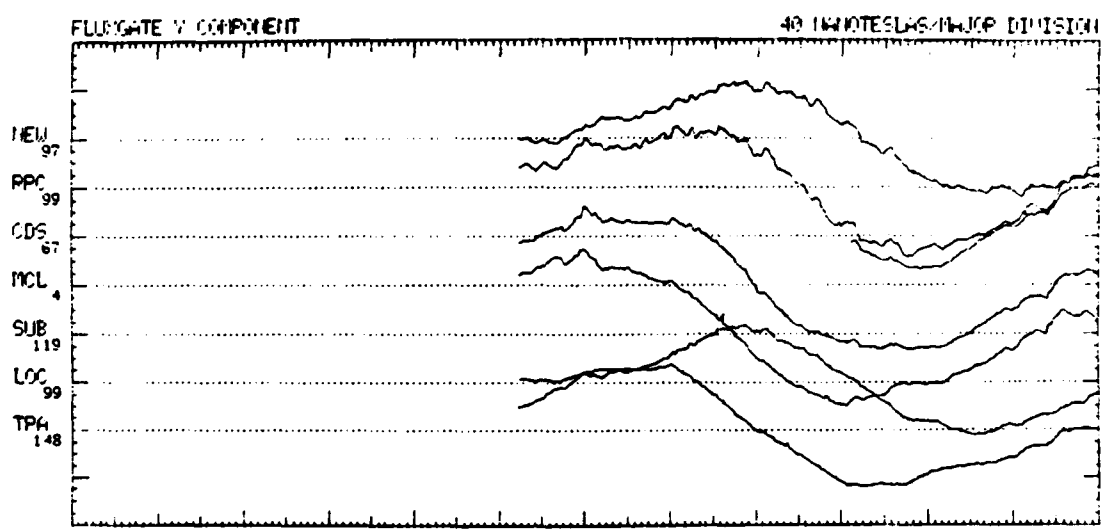
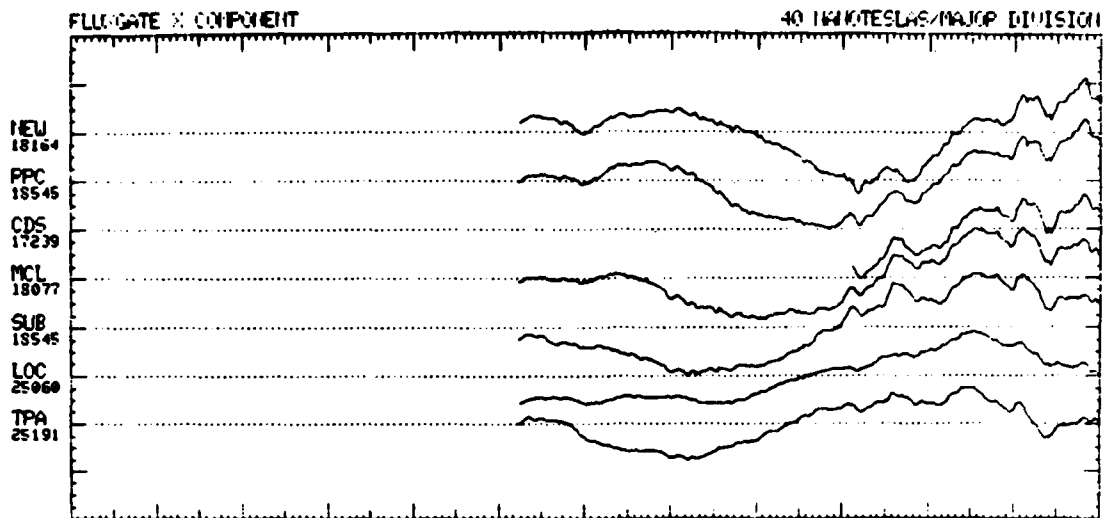
FLIGHTLINE COMPONENT

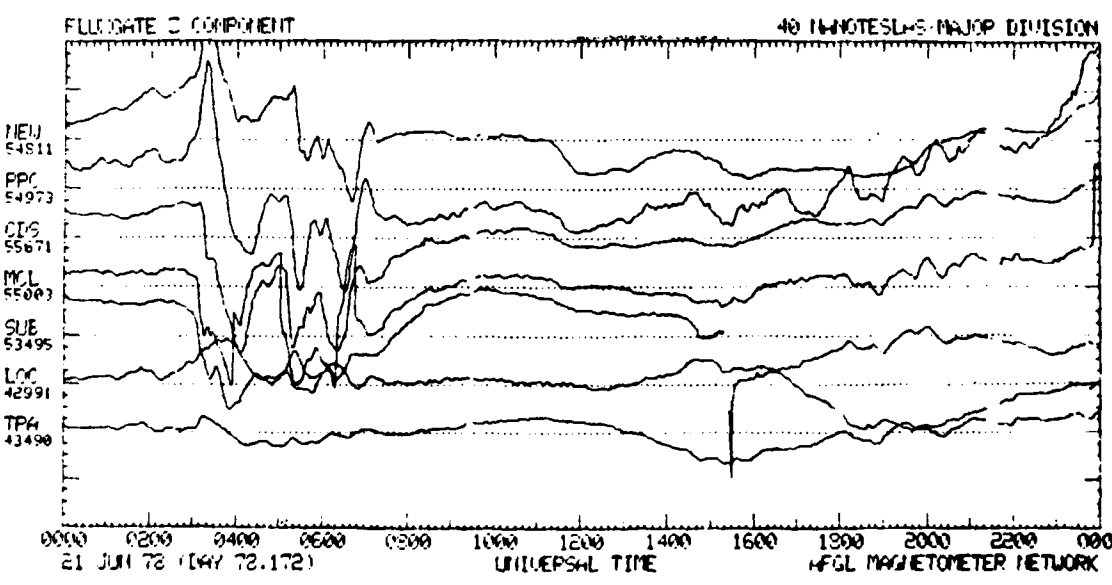
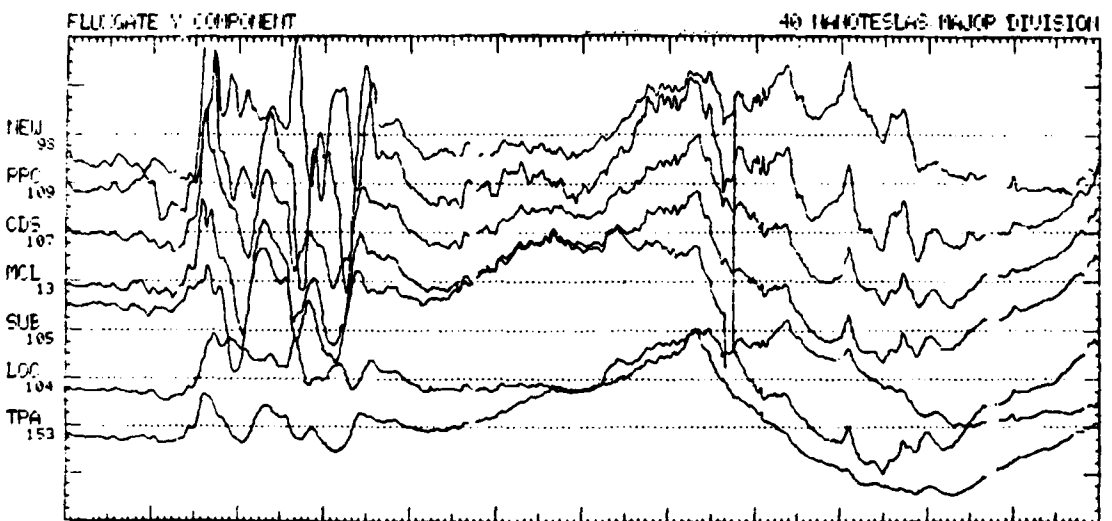
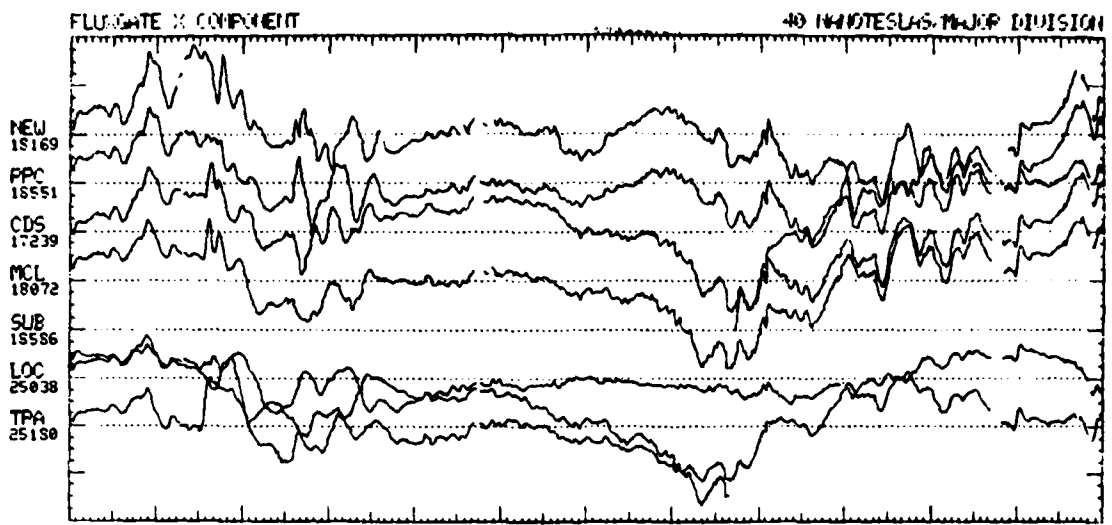
40 THOMAS LAG HAWK DIVISION

NEW
54057
PPC
54054
CDS
55030
MCL
55001
SUB
53511
LOC
42977
TPA
43432



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
19 JUL 78 (DAY 72.170) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

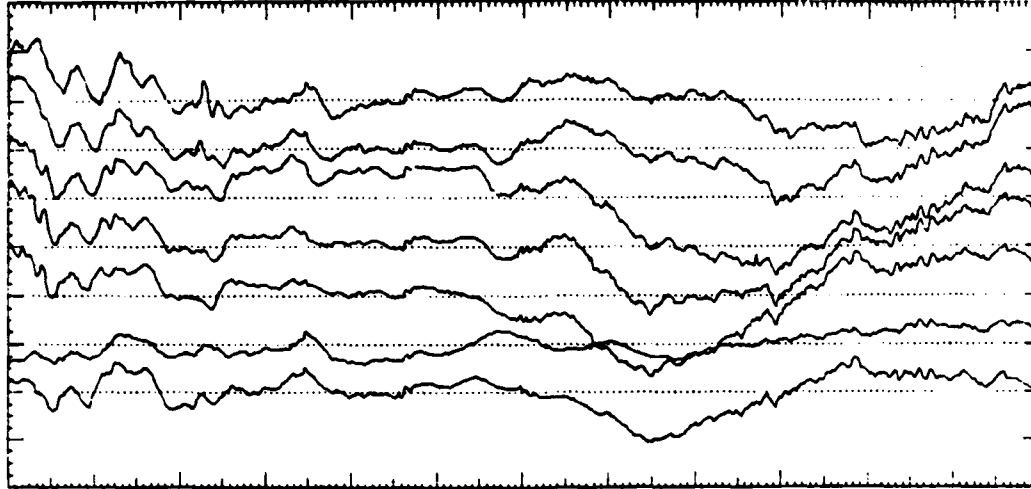




FLIGHTLINE COMPONENT

40 NANOTESLAS MAJOR DIVISION

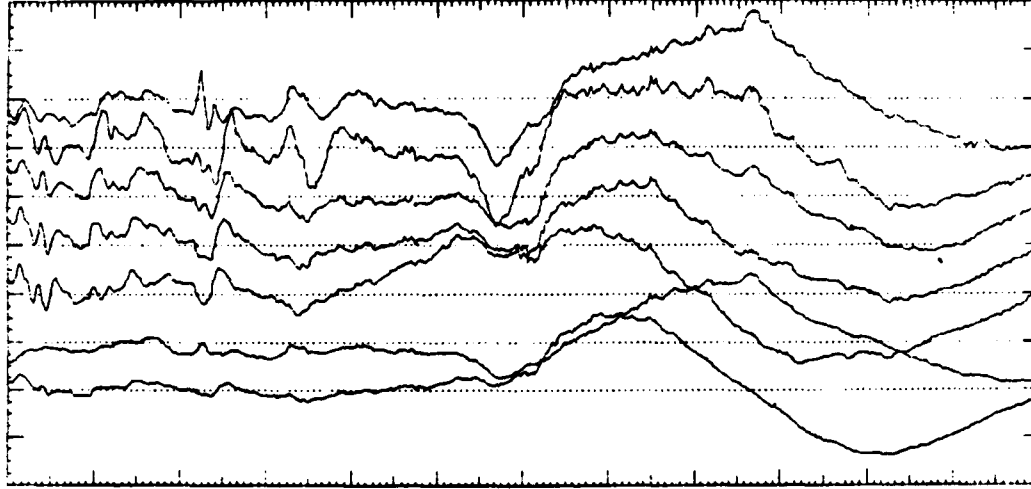
NEU
18170
PPC
18557
CDS
17236
MCL
18066
SUB
18688
LOC
25044
TPA
25130



FLIGHTLINE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

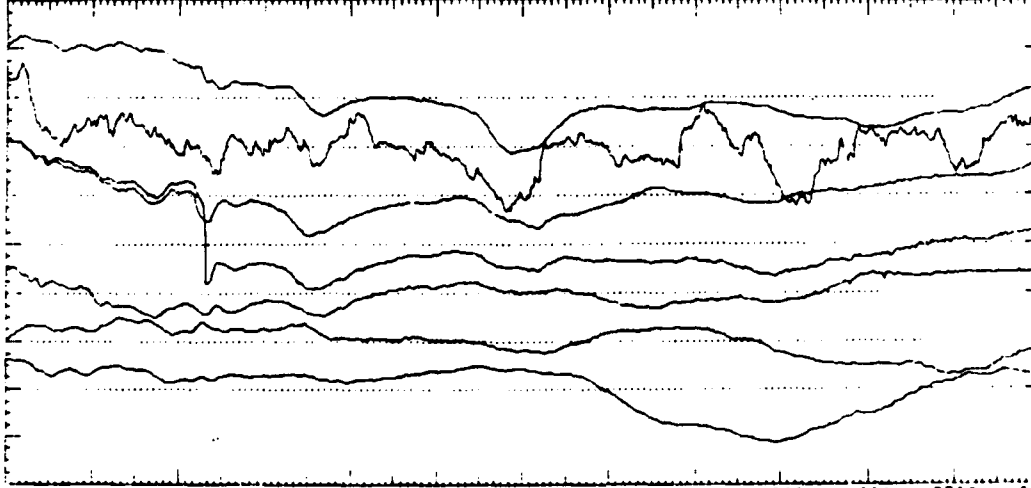
NEU
89
PPC
104
CDS
105
MCL
10
SUB
33
LOC
102
TPA
149



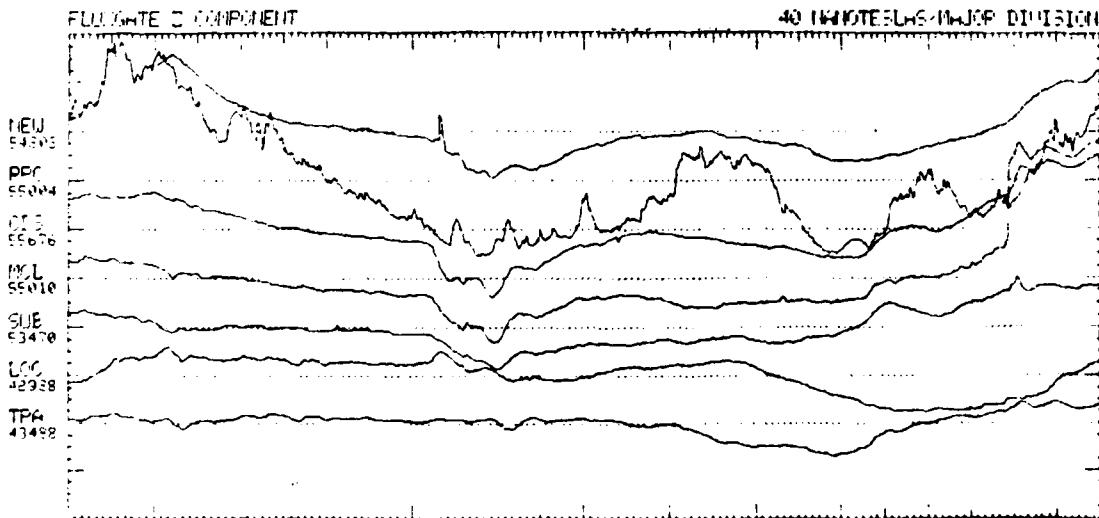
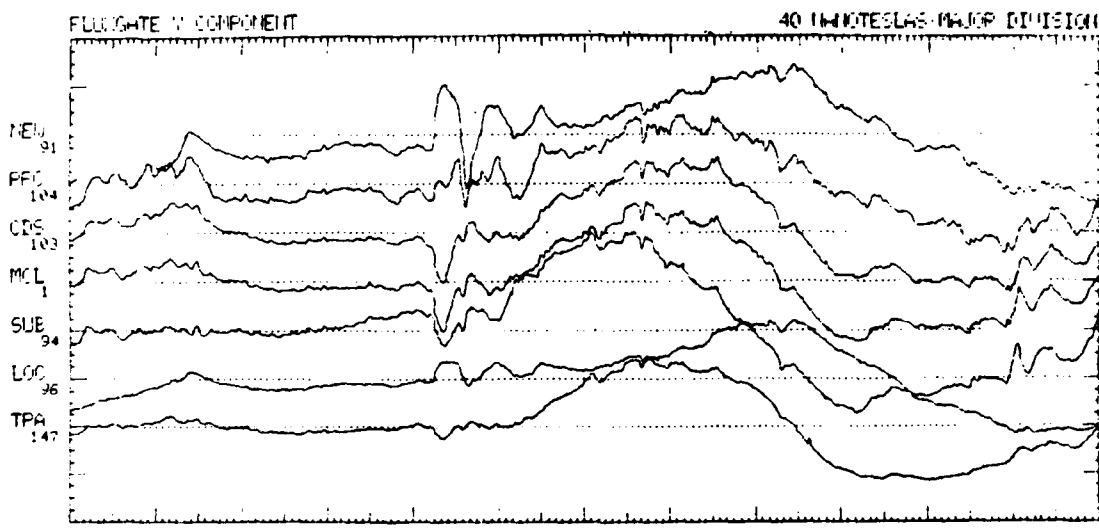
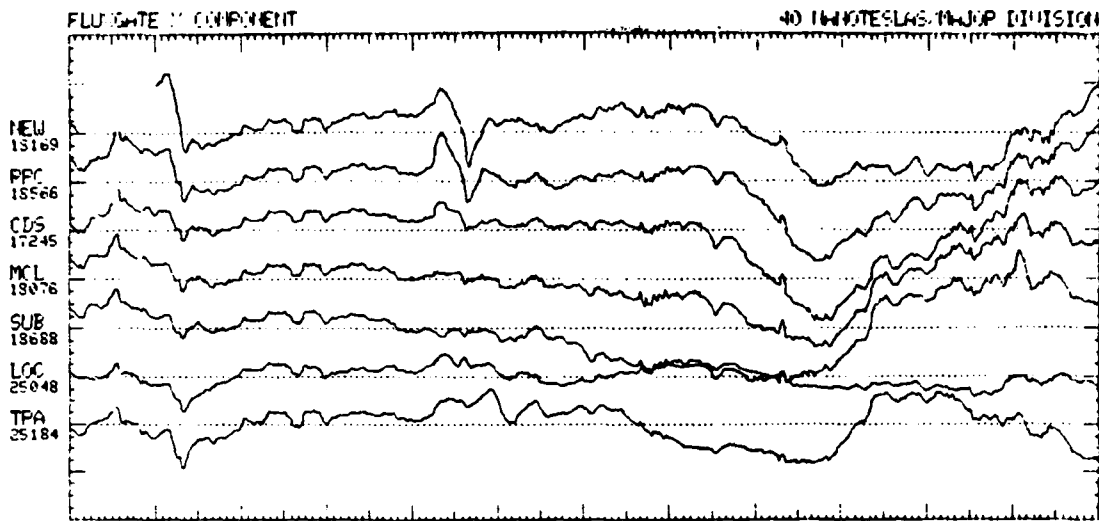
FLIGHTLINE Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54809
PPC
55040
CDS
55675
MCL
55013
SUB
53465
LOC
42991
TPA
43431



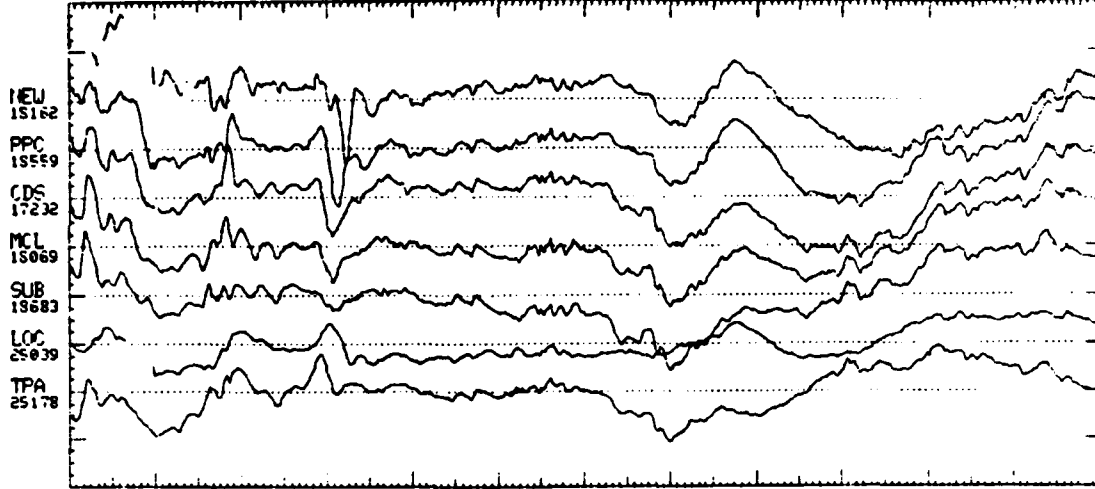
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22 JUN 73 (DAY 72.173) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 23 JUN 78 (DAY 72.174) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

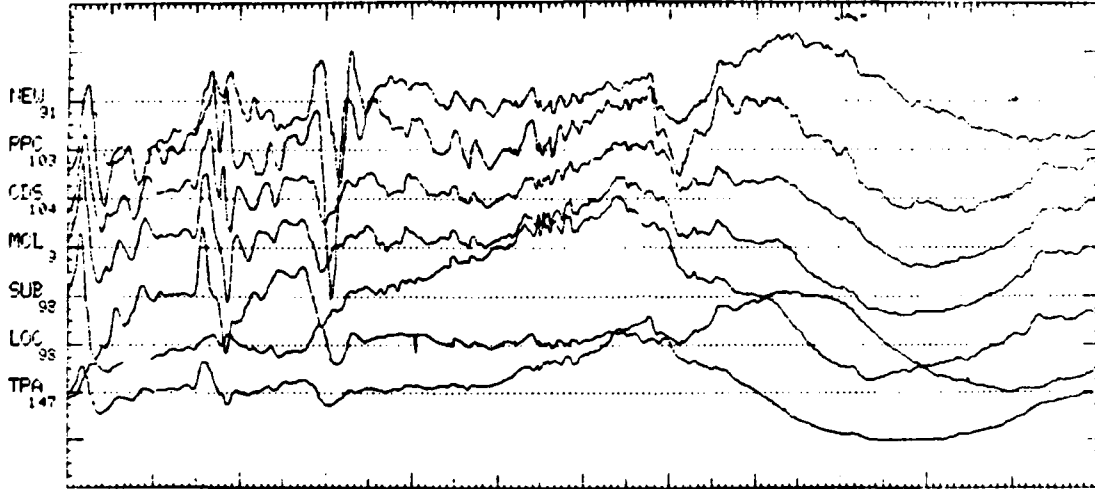
FLIGHT-GATE X COMPONENT

40 KILOTESLA MAJOR DIVISION



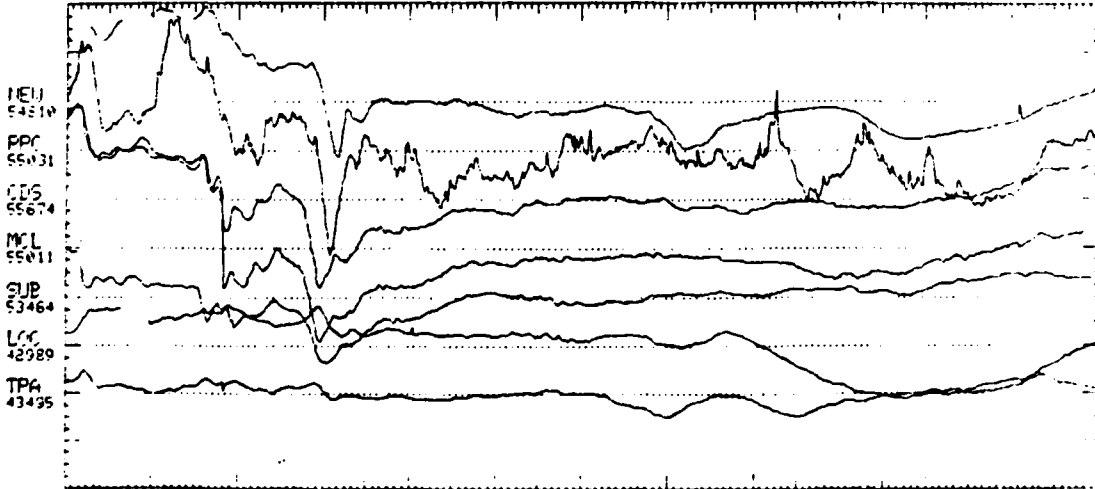
FLIGHT-GATE Y COMPONENT

40 KILOTESLA MAJOR DIVISION



FLIGHT-GATE Z COMPONENT

40 KILOTESLA MAJOR DIVISION

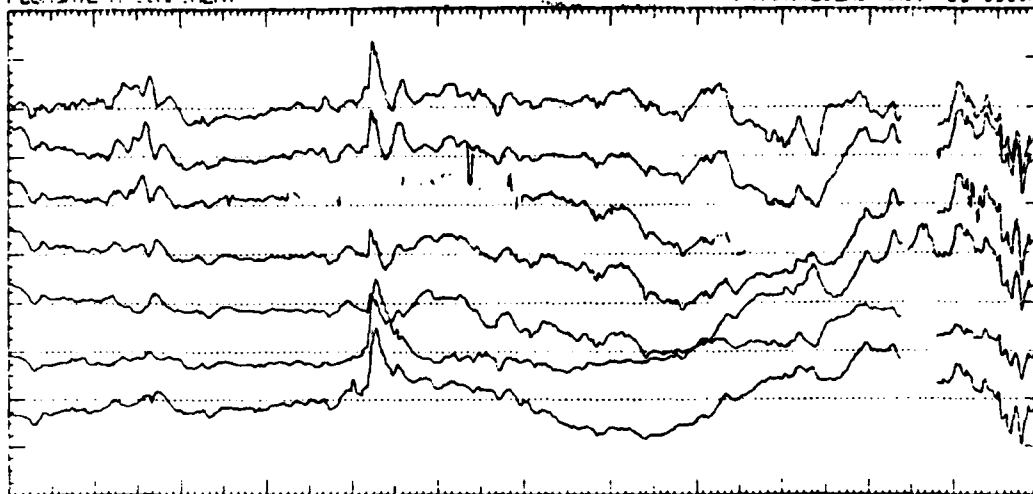


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 24 JUN 73 (DAY 175) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT 11 COMPONENT

40 INCHESLAS IN-OR DIVISION

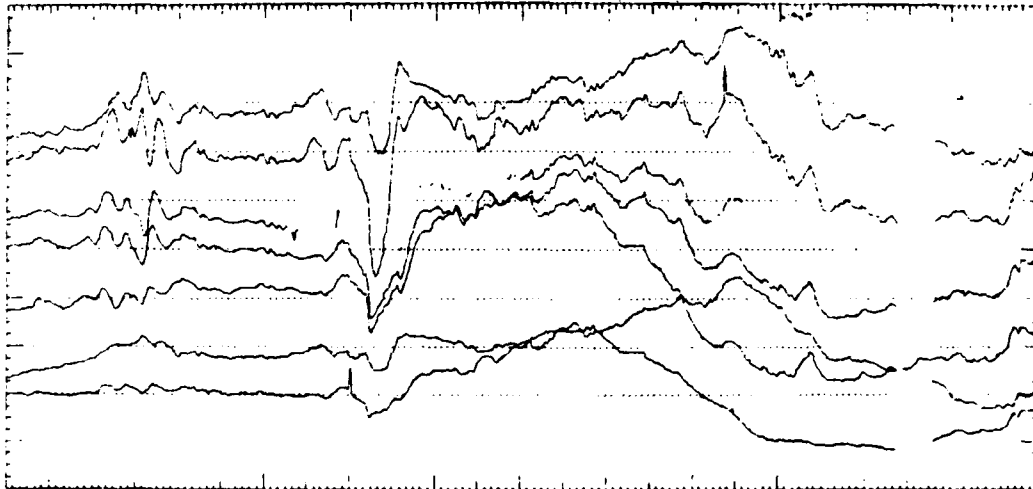
NEW
18179
PPC
18573
CDS
17244
MCL
18081
SUB
18694
LOC
25055
TPA
25191



FLIGHT 11 COMPONENT

40 INCHESLAS IN-OR DIVISION

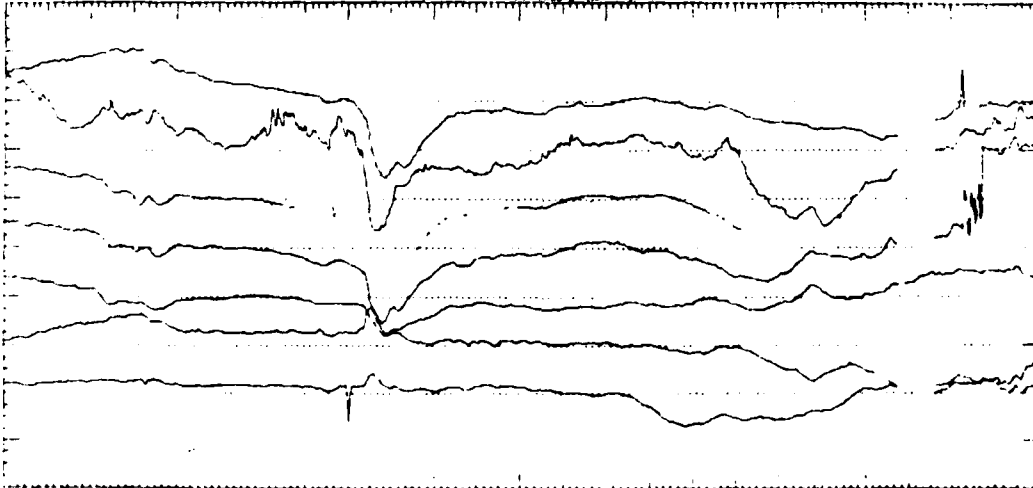
NEW
74
PPC
103
CDS
117
MCL
6
SUB
23
LOC
102
TPA
145



FLIGHT 11 COMPONENT

40 INCHESLAS IN-OR DIVISION

NEW
54295
PPC
5498
CDS
55274
MCL
55001
SUB
53462
LOC
42988
TPA
43400

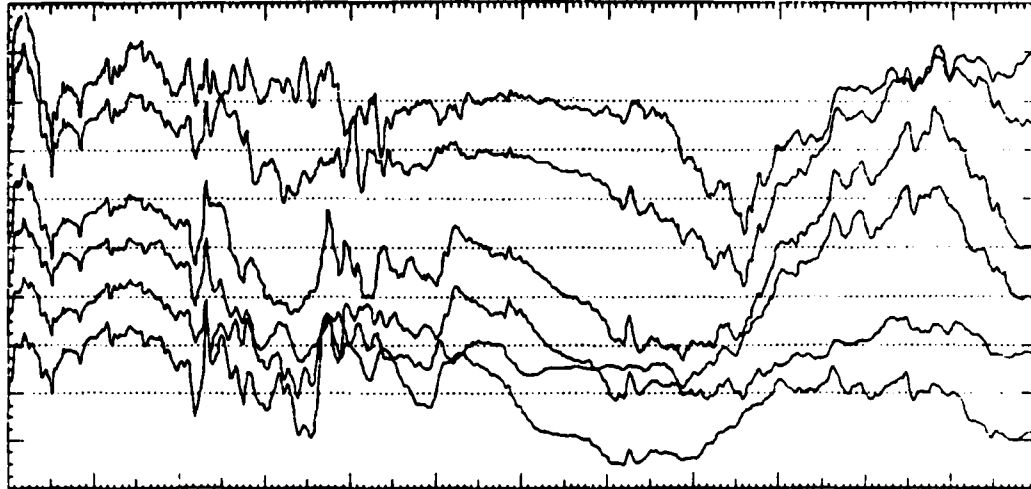


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
25 JUL 75 (147 25.178) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

40 KILOTESLAS MAJOR DIVISION

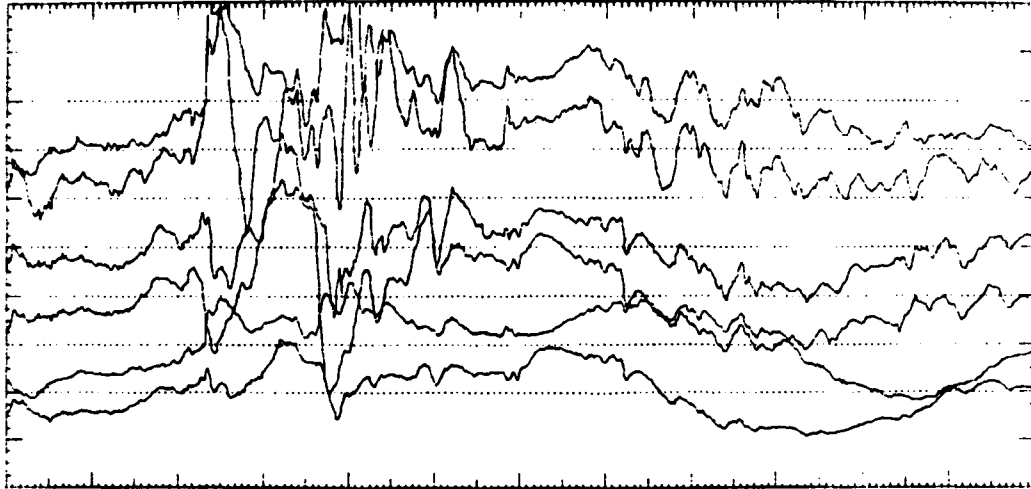
NEU 18157
PPC 19559
CDS 17244
MCL 18069
SUB 18676
LOC 25022
TPA 25161



FLUXGATE Y COMPONENT

40 KILOTESLAS MAJOR DIVISION

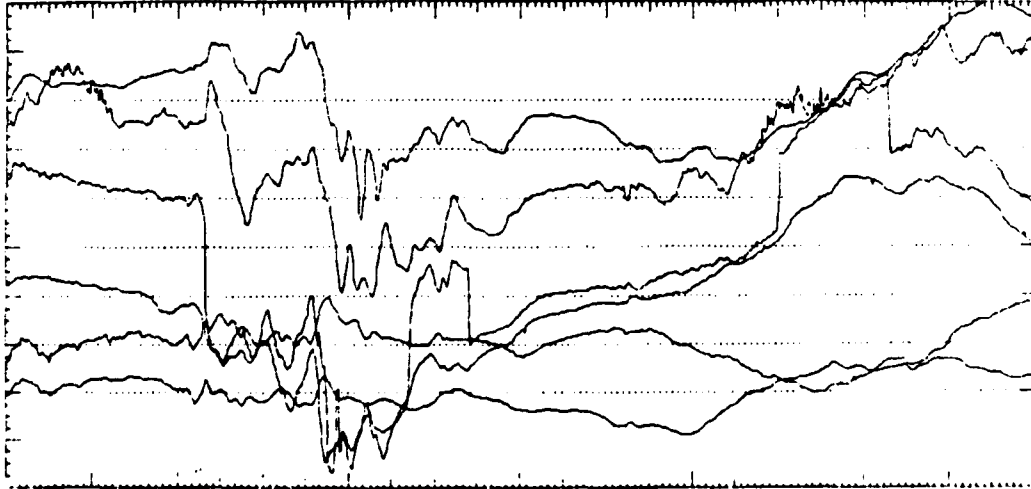
NEU 24
PPC 108
CDS 117
MCL 5
SUB 86
LOC 98
TPA 147



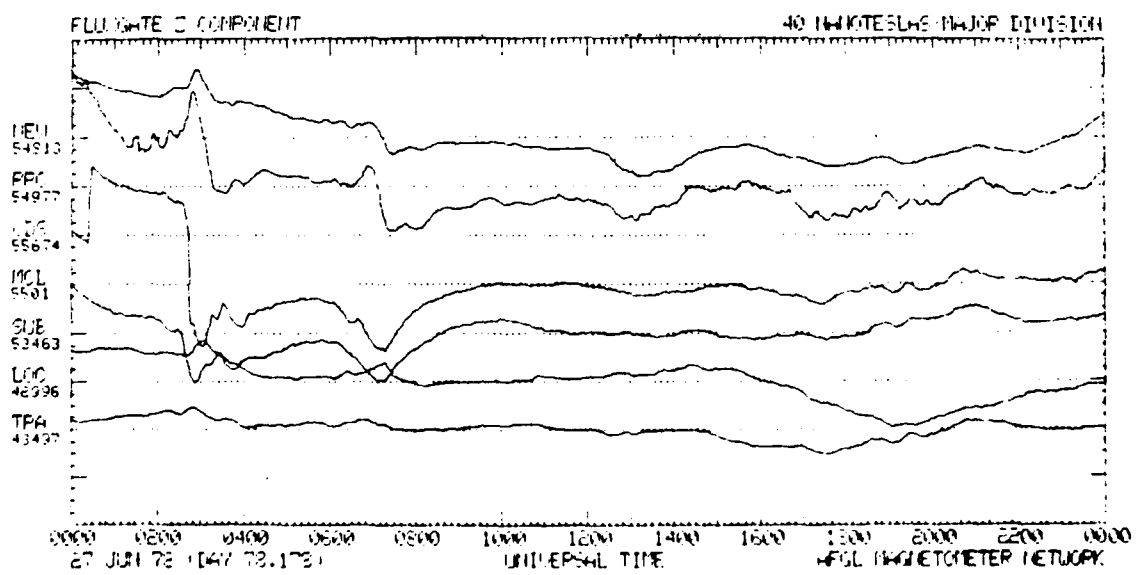
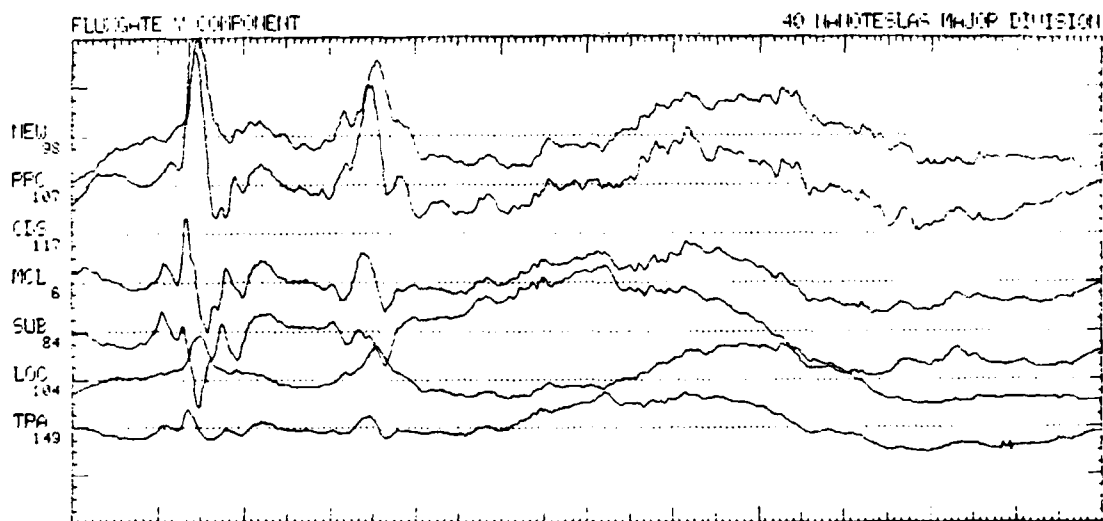
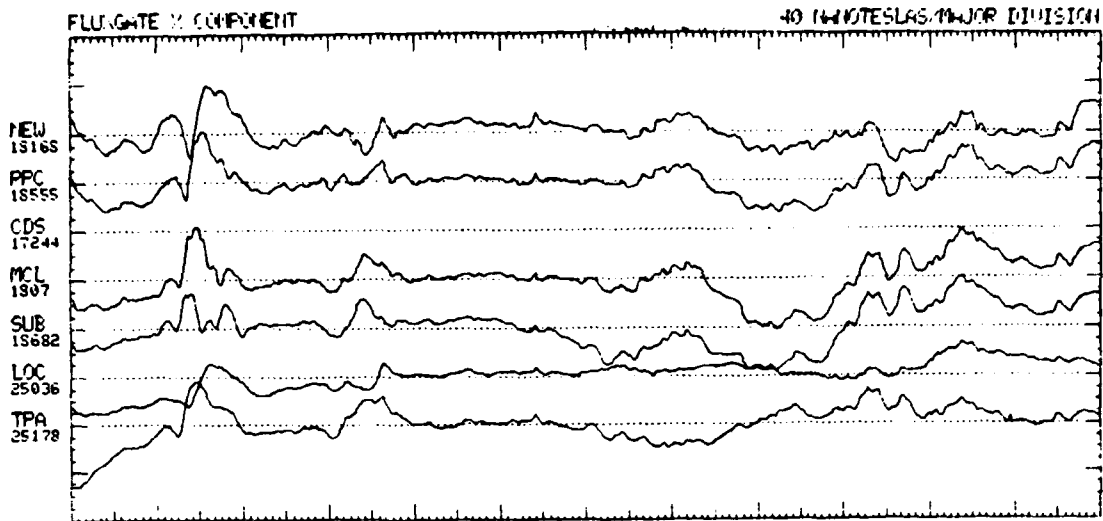
FLUXGATE Z COMPONENT

40 KILOTESLAS MAJOR DIVISION

NEU 54729
PPC 54932
CDS 55674
MCL 55024
SUB 53462
LOC 42989
TPA 43493



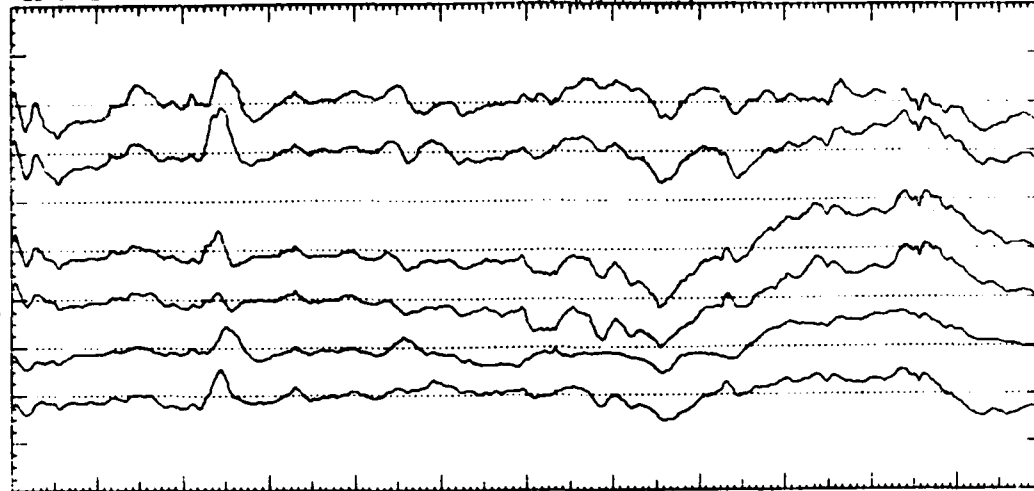
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26 JUN 72 DAY 72.177 UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

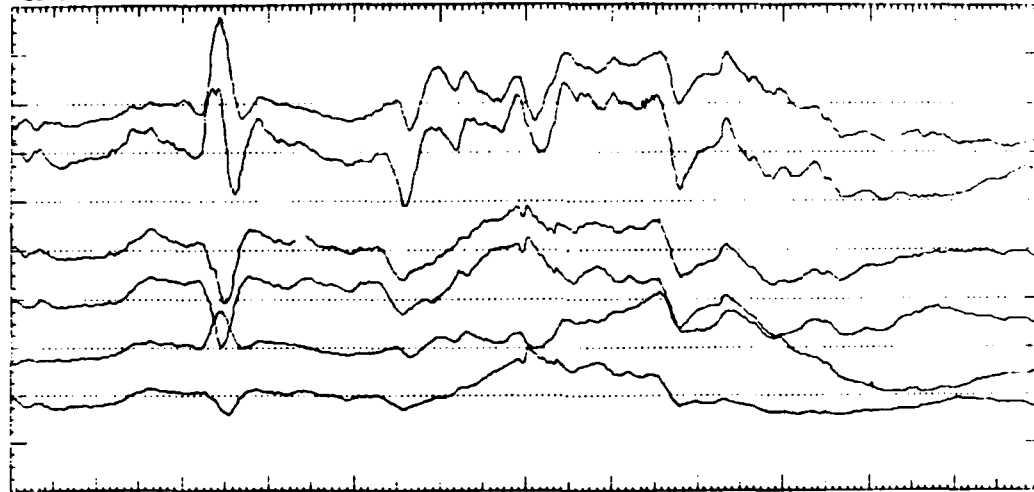
NEU
15179
PPC
15572
CDS
17244
MCL
18091
SUB
18696
LOC
25048
TPA
25191



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

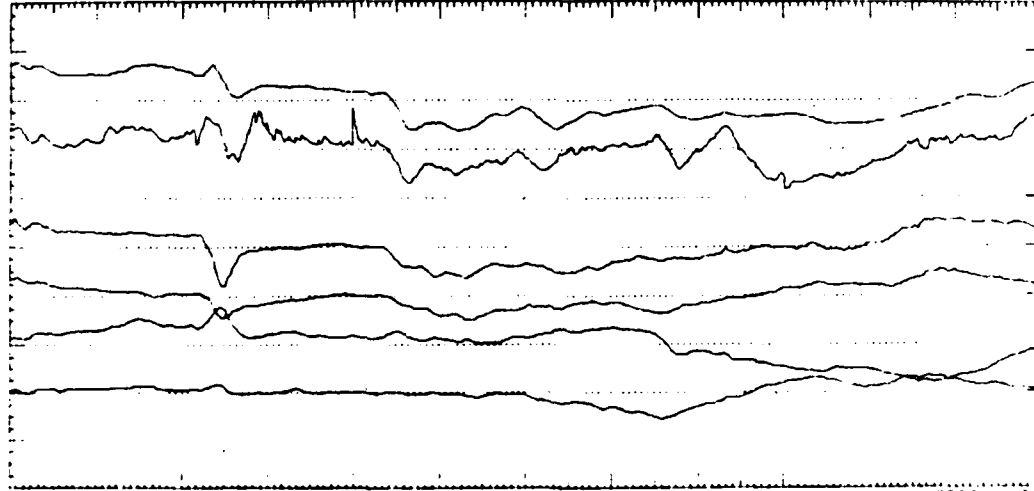
NEU
93
PPC
102
CDS
117
MCL
1
SUB
68
LOC
99
TPA
147



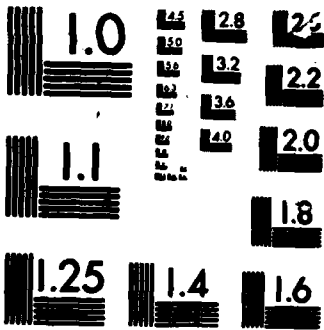
FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54502
PPC
54972
CDS
55674
MCL
55000
SUB
53462
LOC
42987
TPA
43436



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
25 JUN 72 (DAY 72.179) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

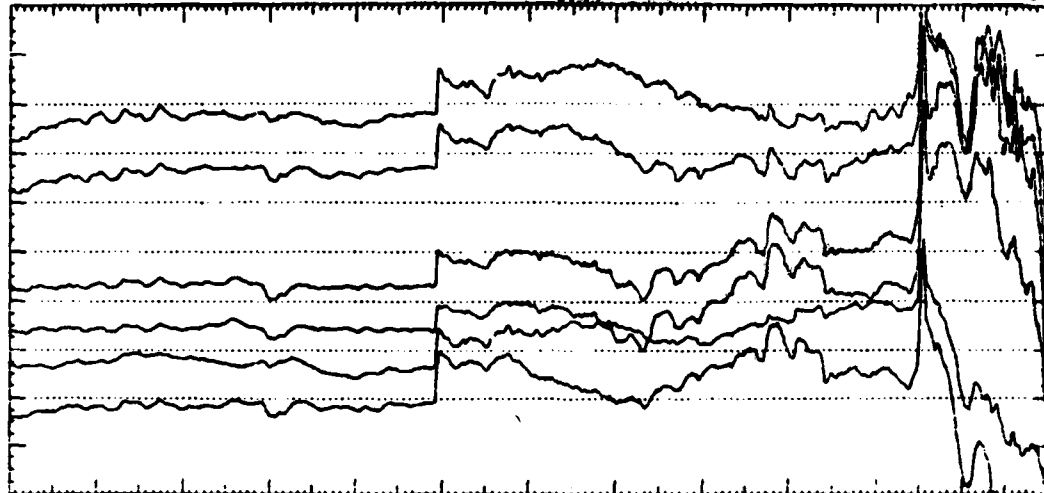


UNIT 1

FLIGHTLINE 1 COMPONENT

40 INCHTESLAS MAJOR DIVISION

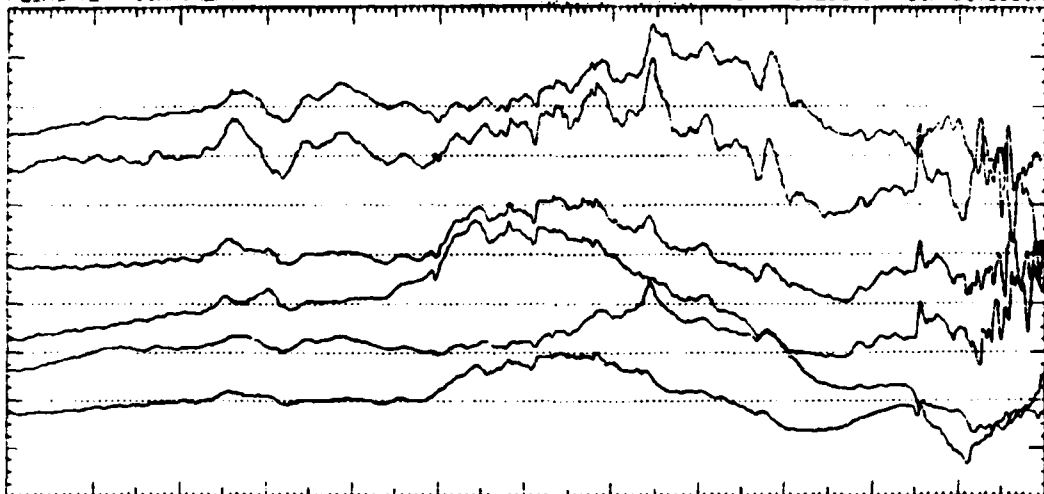
NEW 18197
PPC 18598
CDS 17244
MCL 18119
SUB 18723
LOC 25060
TPA 25201



FLIGHTLINE 2 COMPONENT

40 INCHTESLAS MAJOR DIVISION

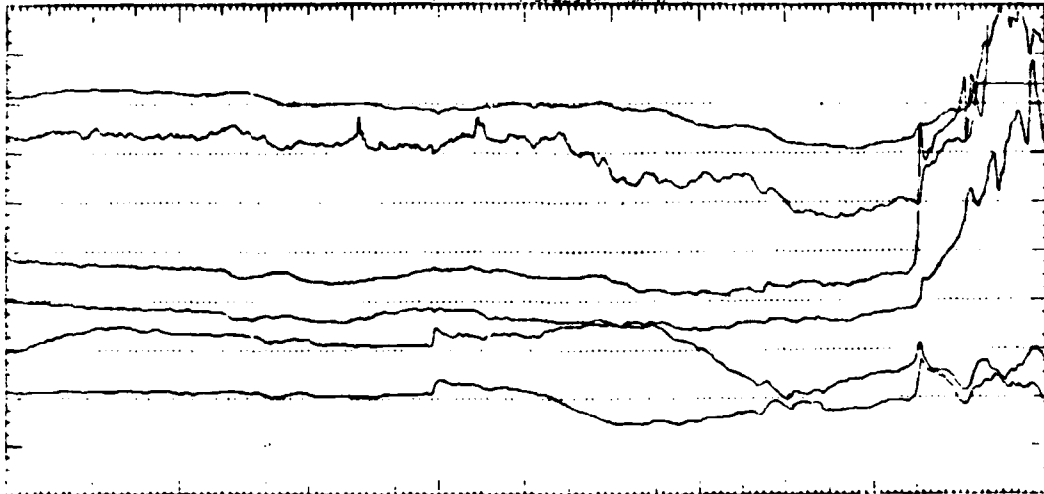
NEW 34
PPC 102
CDS 117
MCL 5
SUB 34
LOC 94
TPA 146



FLIGHTLINE 3 COMPONENT

40 INCHTESLAS MAJOR DIVISION

NEW 54311
PPC 54984
CDS 55674
MCL 55015
SUB 53467
LOC 42986
TPA 43493

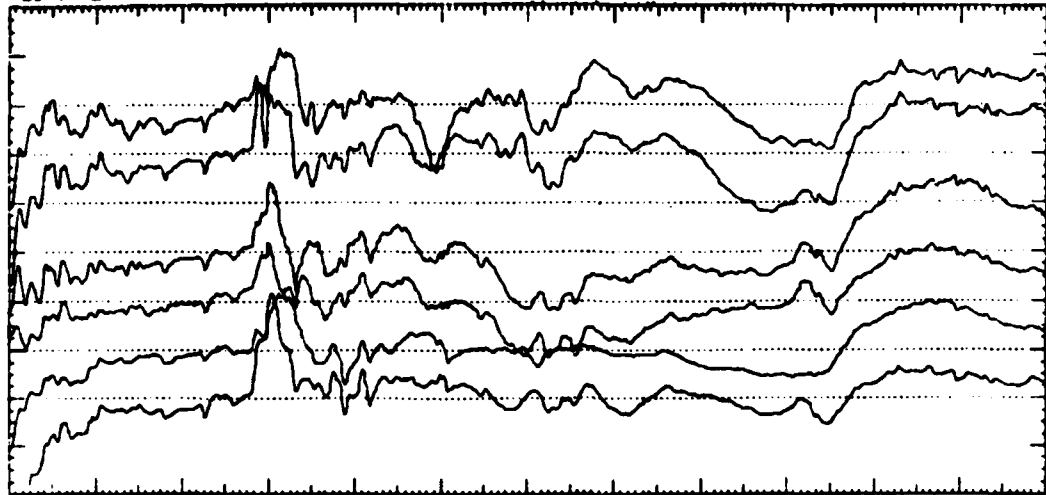


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29 JUL 72 (147 73.159) ▶ UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

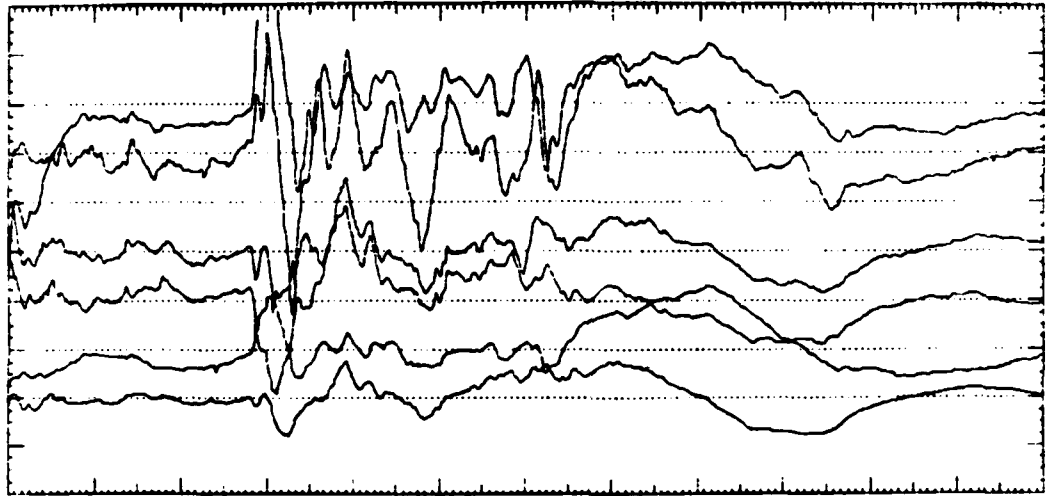
NEU 15159
PPC 15559
CDS 17244
MCL 16064
SUB 15670
LOC 25020
TPA 25164



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

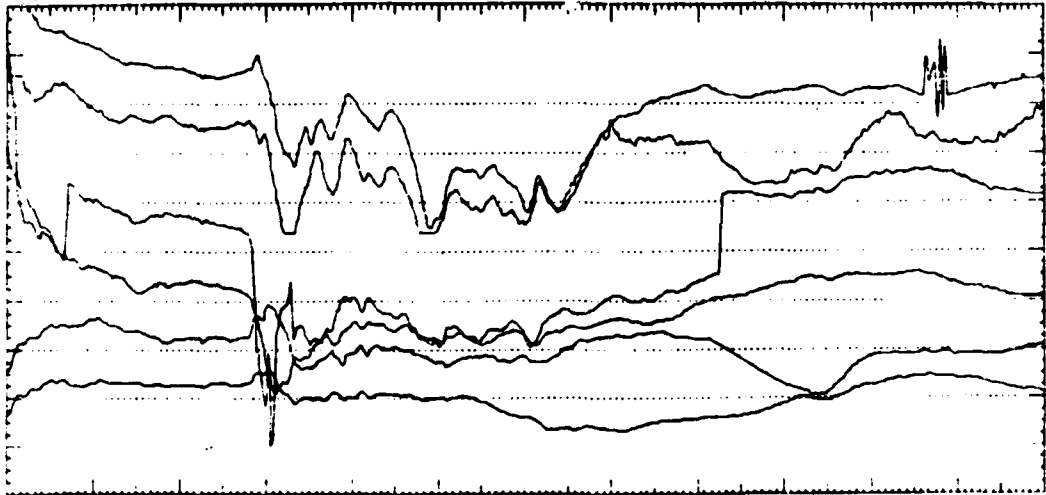
NEU 30
PPC 102
CDS 117
MCL -1
SUB 6
LOC 105
TPA 143



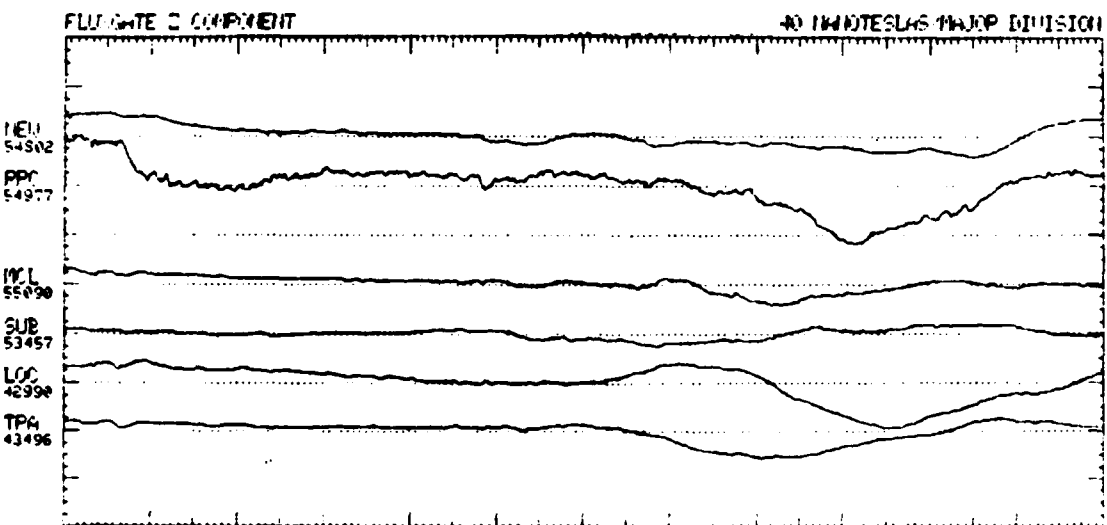
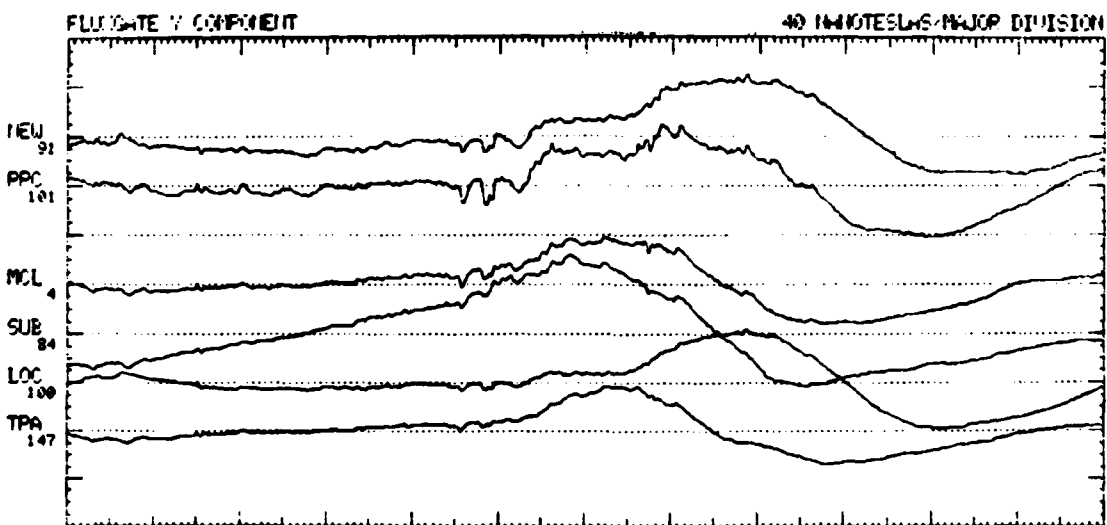
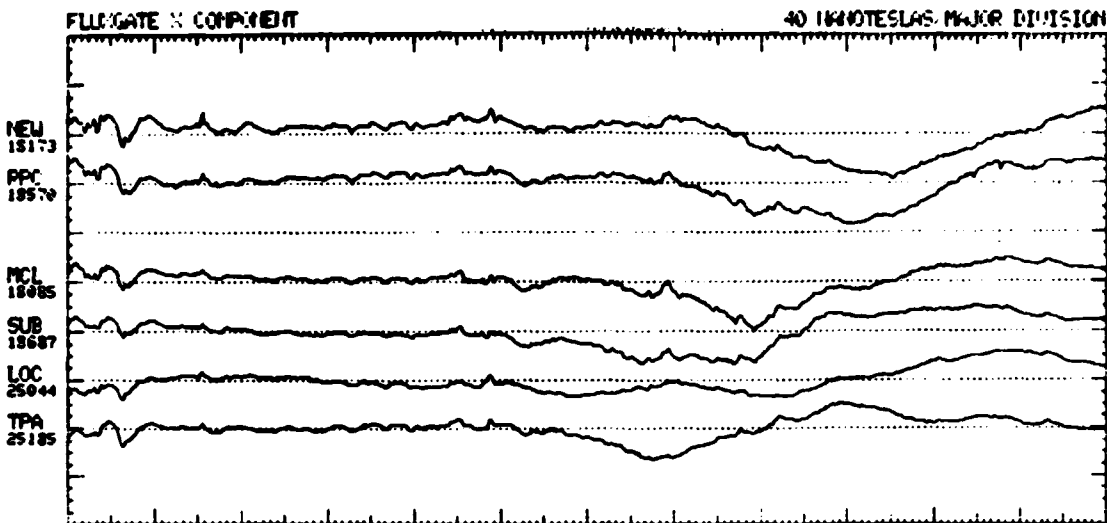
FLUGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU 54736
PPC 54977
CDS 55674
MCL 55056
SUB 53457
LOC 42998
TPA 43500



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
30 JUL 78 (DAY 78.131) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

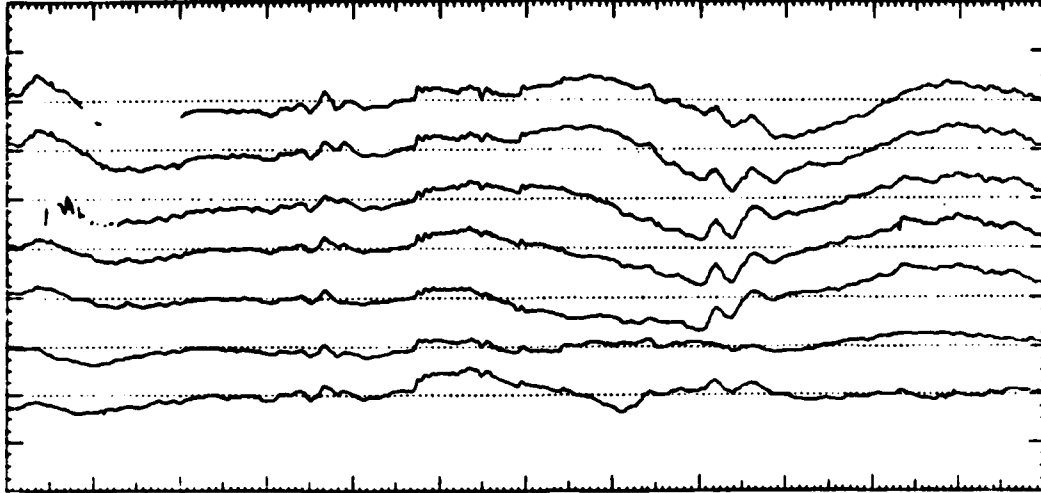


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 01 JUL 72 (DAY 72.122) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

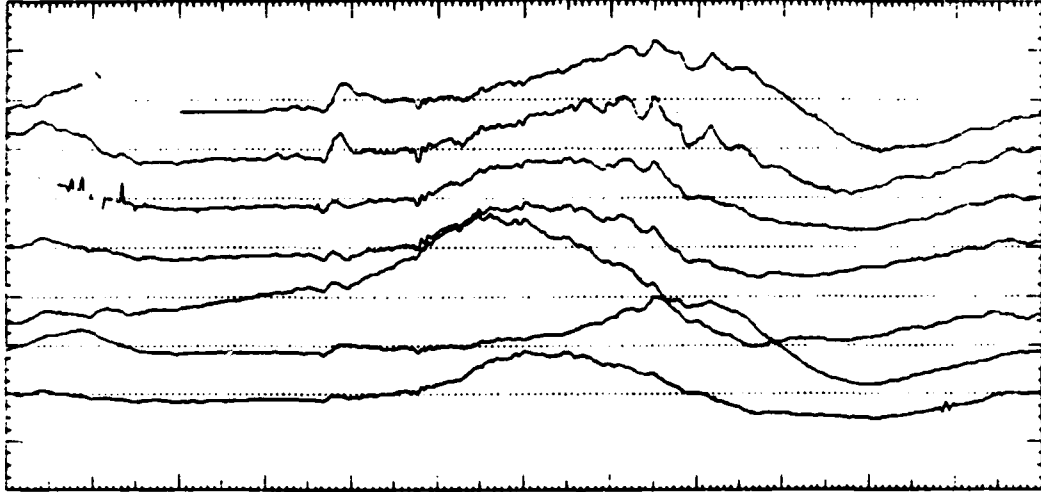
NEW
15190
PPC
18561
CDS
17249
MCL
19090
SUB
18690
LOC
25055
TPA
25195



FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

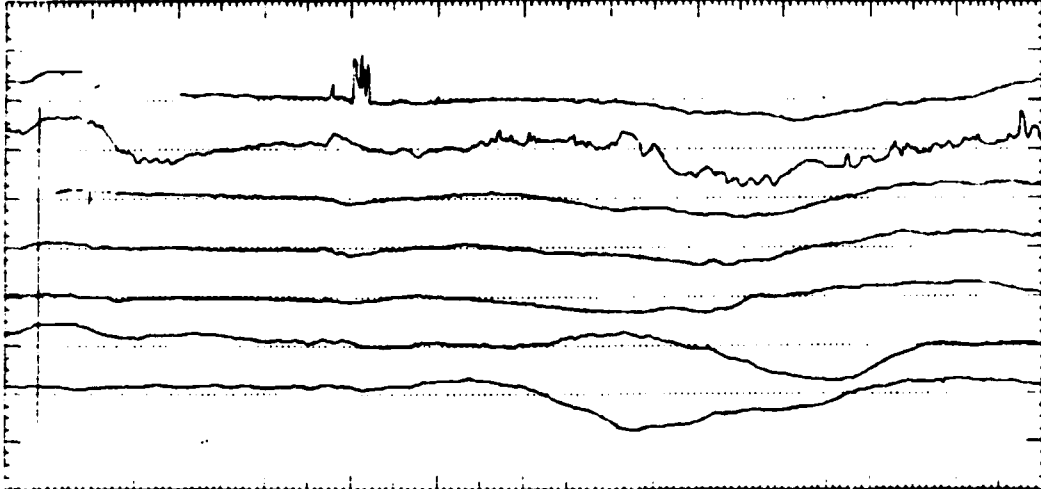
NEW
86
PPC
102
CDS
101
MCL
10
SUB
99
LOC
100
TPA
151



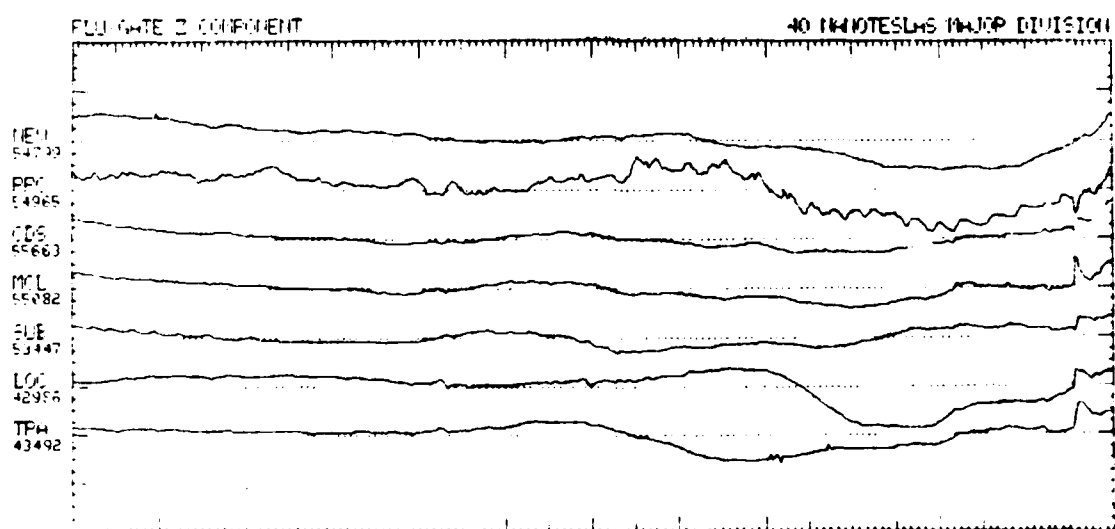
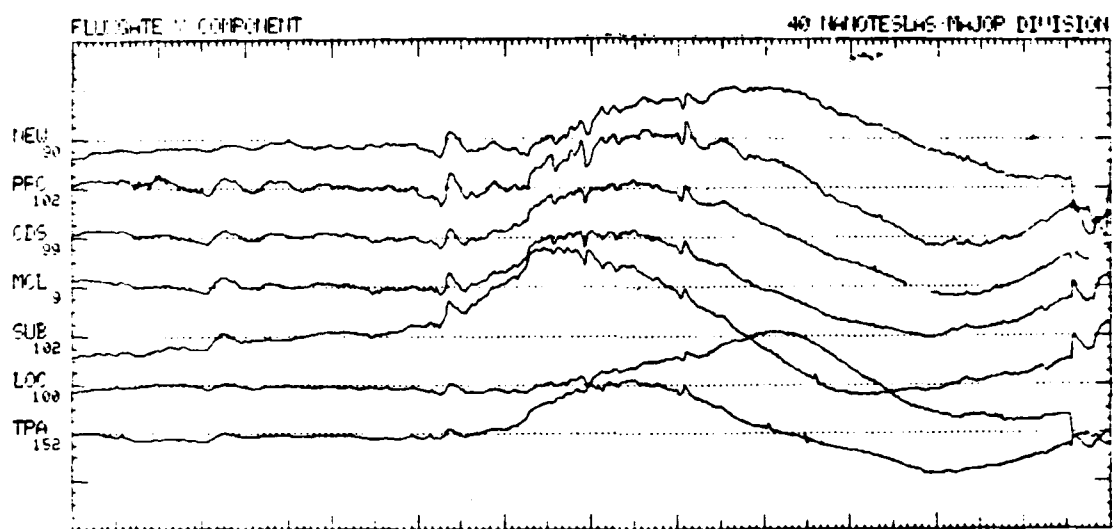
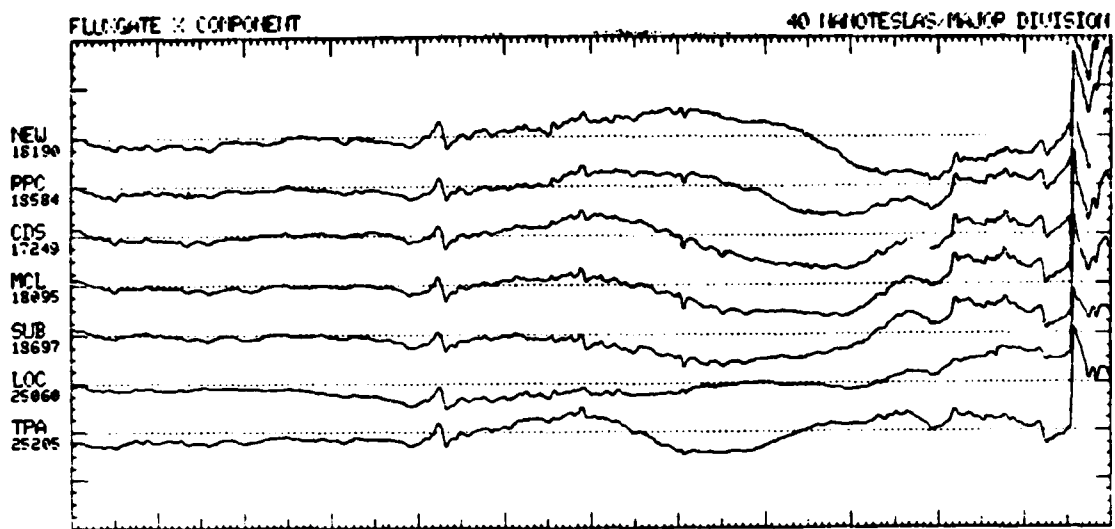
FLIGHT Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

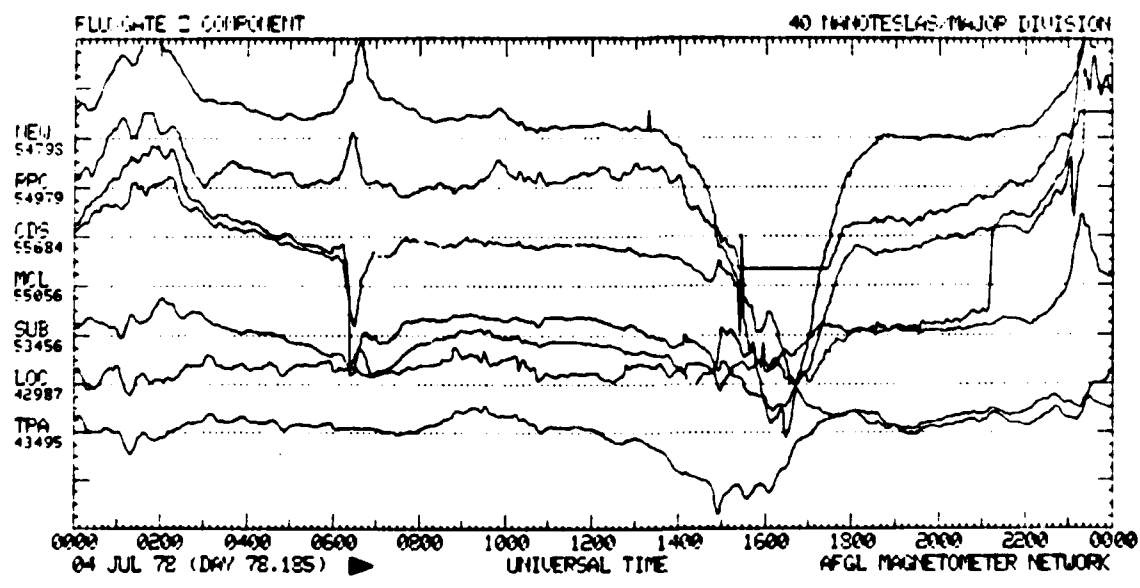
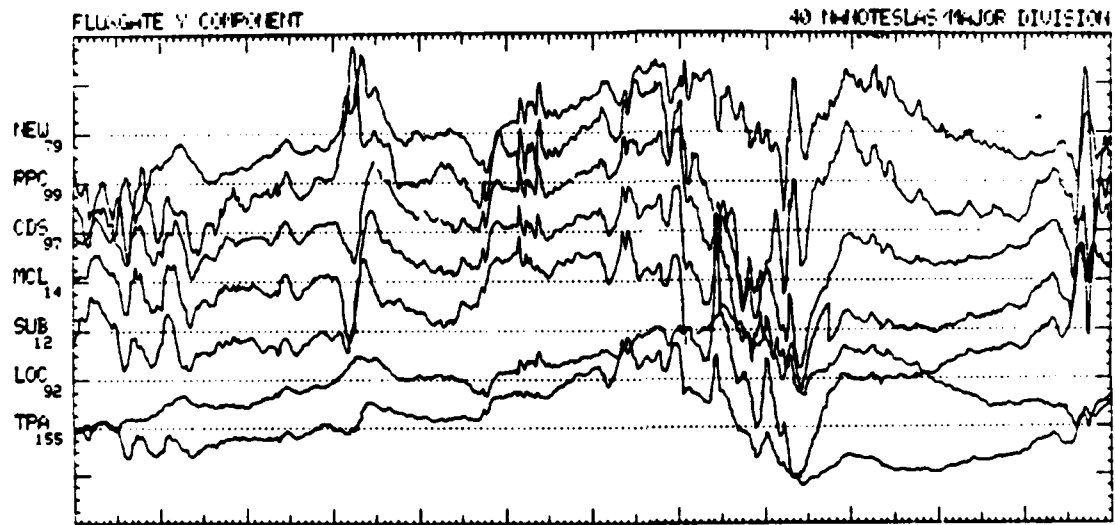
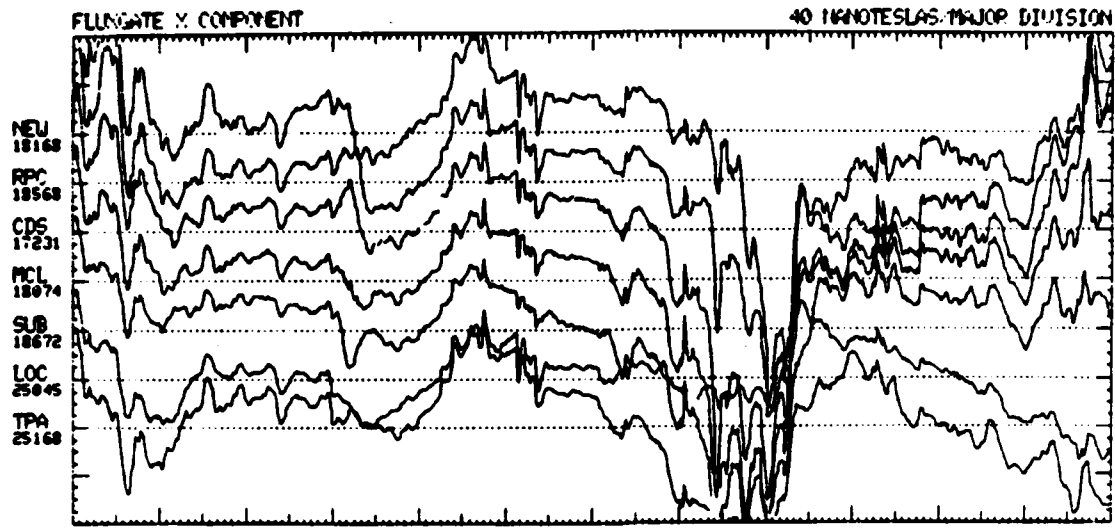
NEW
54602
PPC
54979
CDS
55668
MCL
55036
SUB
53454
LOC
42990
TPA
43492

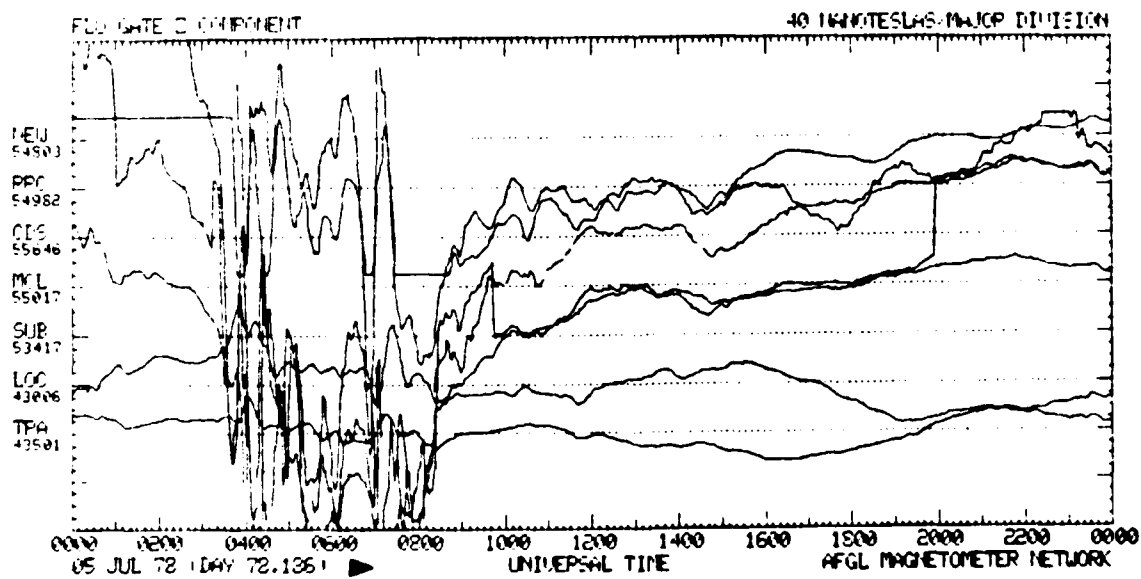
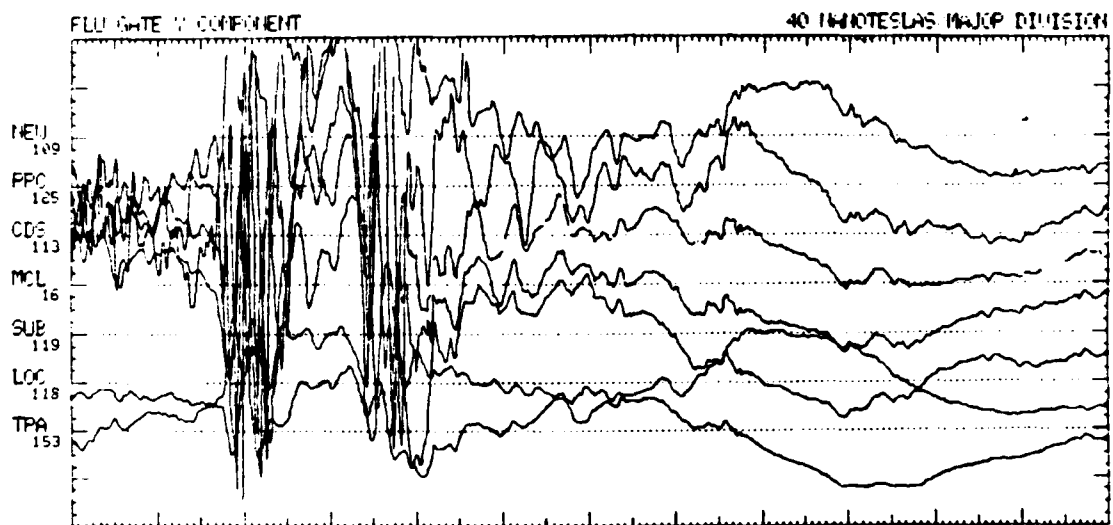
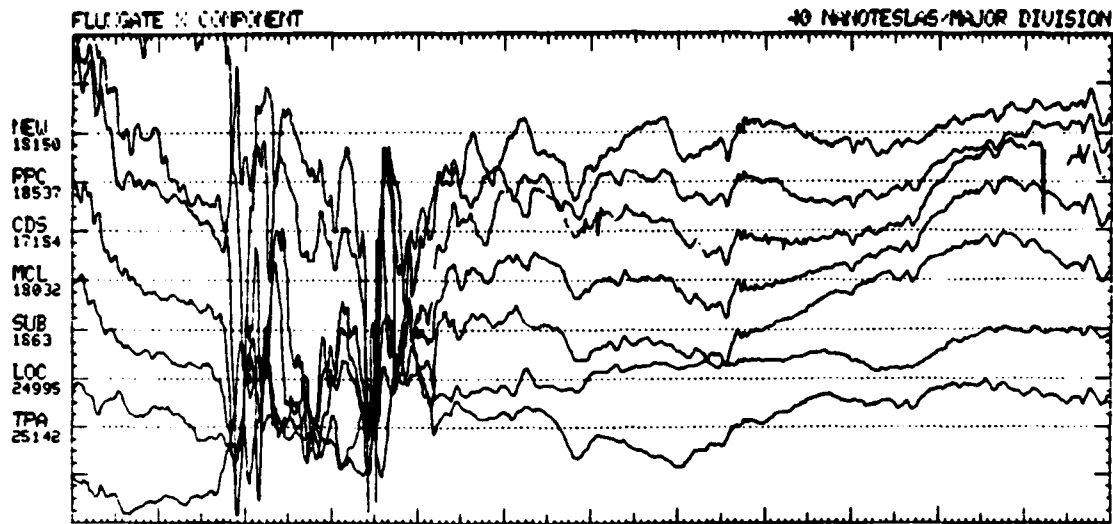


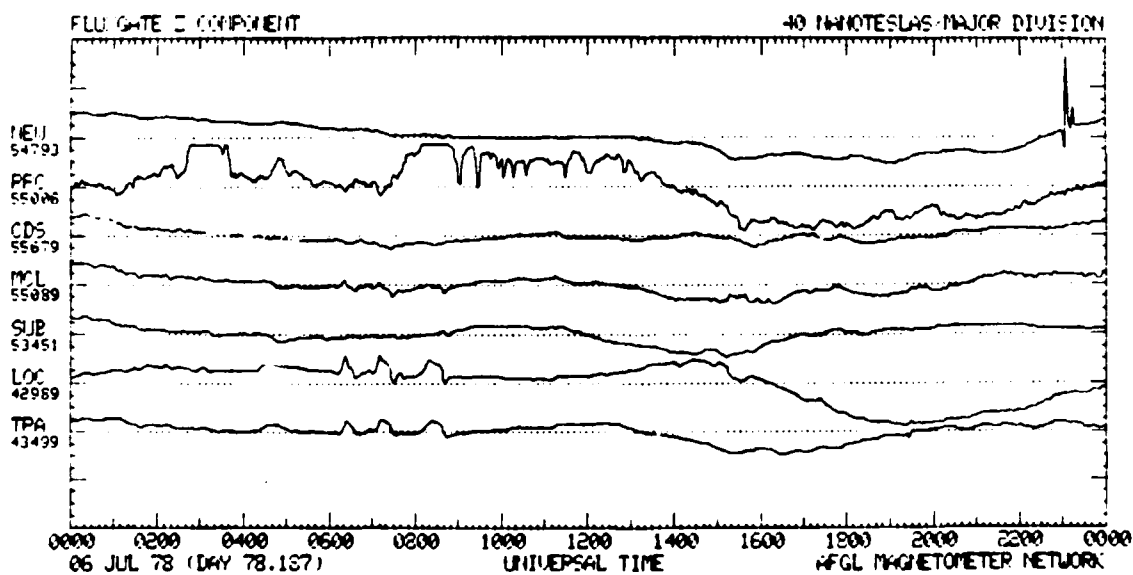
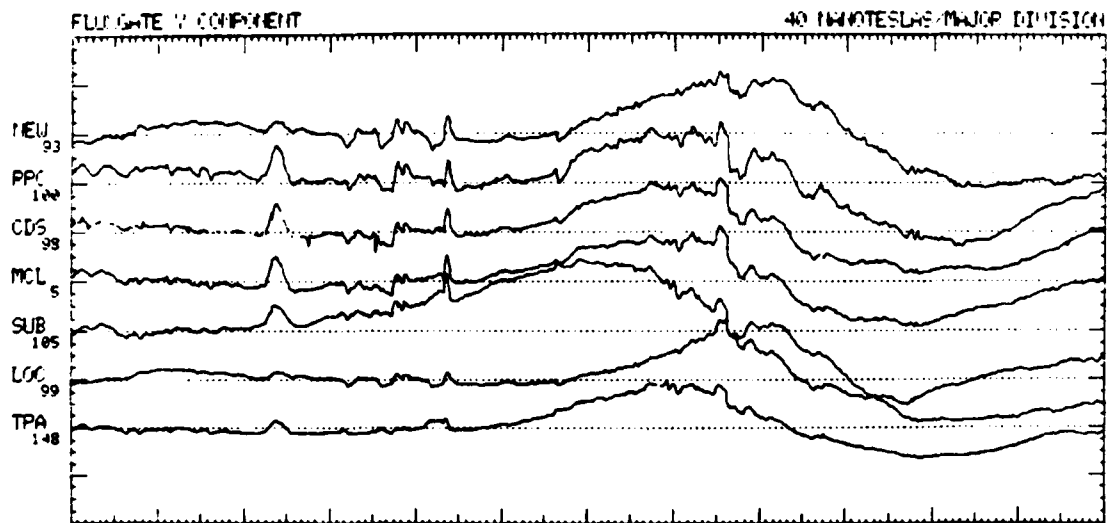
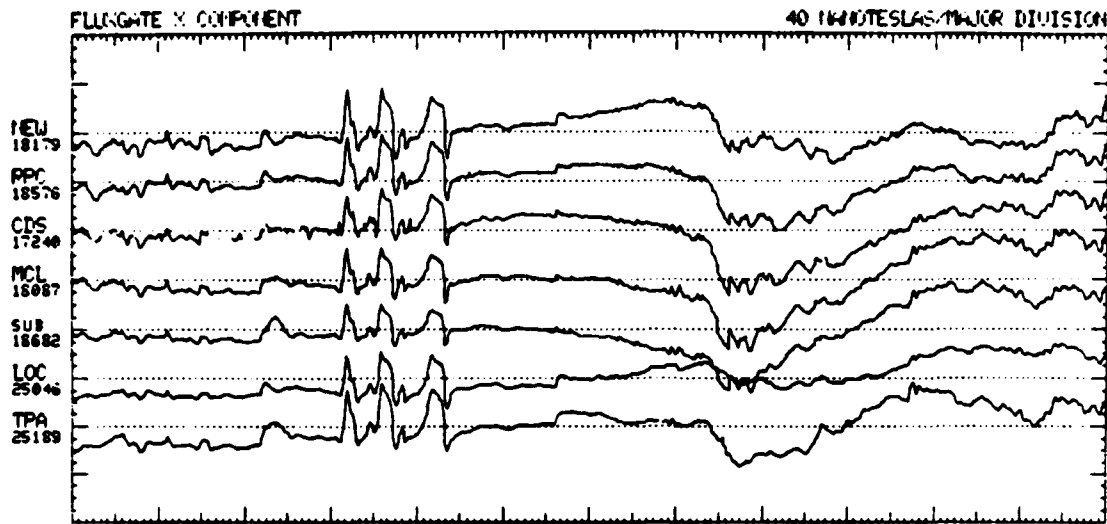
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02 JUL 73 (DAY 72.123) UT/EPSTL TIME AFGL MAGNETOMETER NETWORK



03 JUL 78 (147 78.134) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



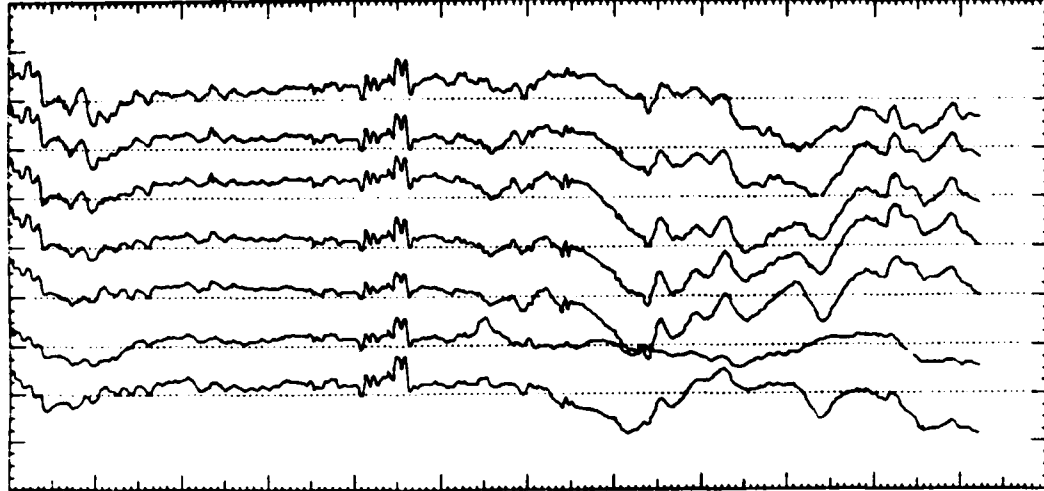




FLIGHT X COMPONENT

40 NANOTESLAS MAJOR DIVISION

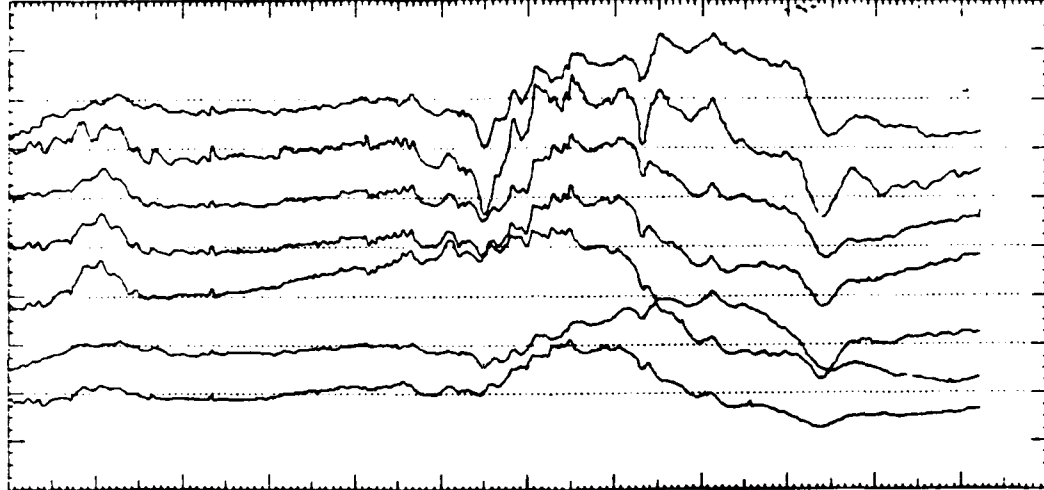
NEW
18182
PPC
18573
CDS
17243
MCL
18092
SUB
18667
LOC
25050
TPA
25192



FLIGHT Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

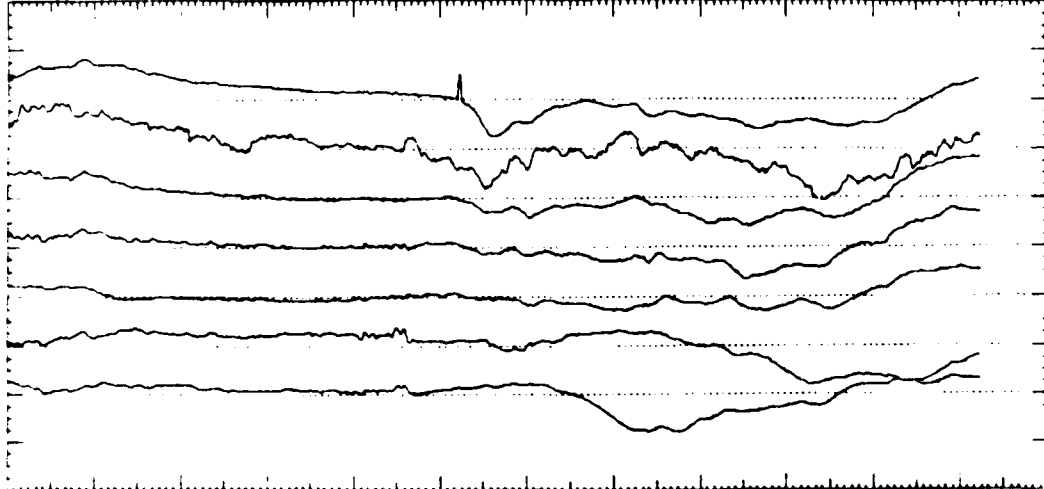
NEW
36
PPC
99
CDS
100
MCL
5
SUB
90
LOC
95
TPA
149



FLIGHT Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEW
54793
PPC
54990
CDS
55673
MCL
55086
SUB
53447
LOC
42986
TPA
43493



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
07 JUL 78 (DAY 73.128) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 MINUTES/LAS MAJOR DIVISION

NEU
18182
RPC
18573
CDS
17243
MCL
18092
SUB
18687
LOC
25050
TPA
25192

FLIGHTLINE Y COMPONENT

40 MINUTES/LAS MAJOR DIVISION

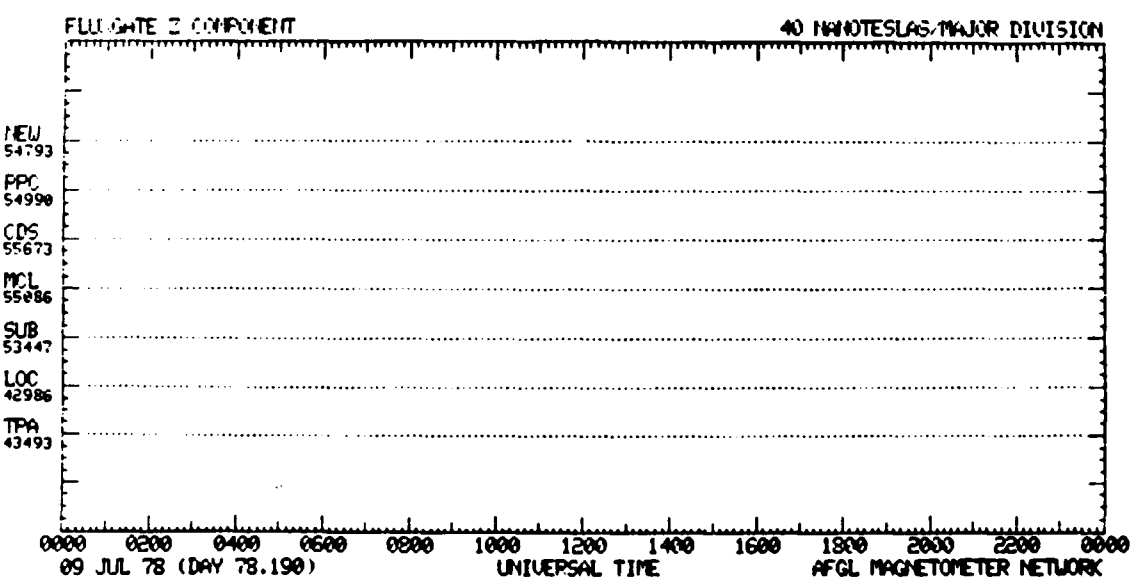
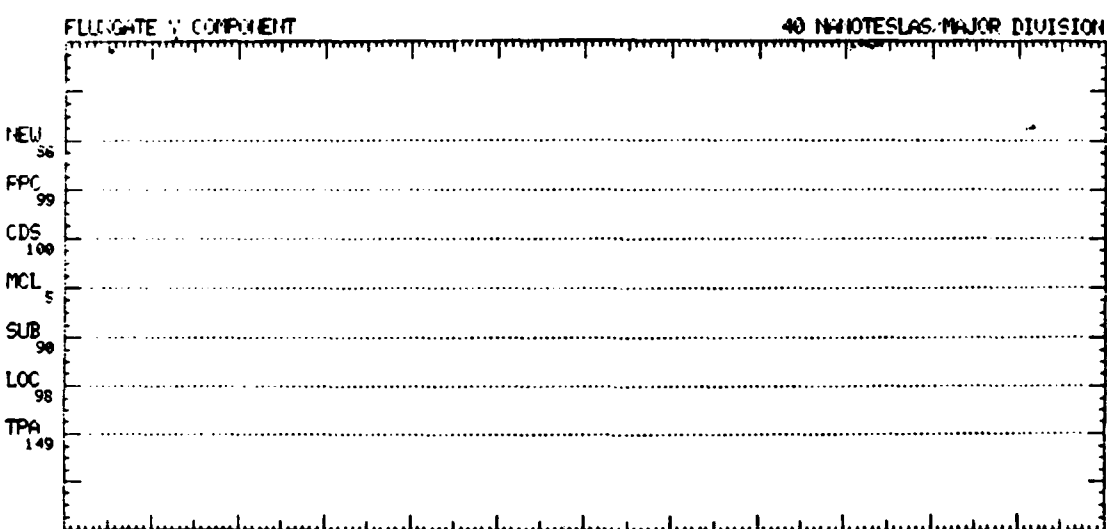
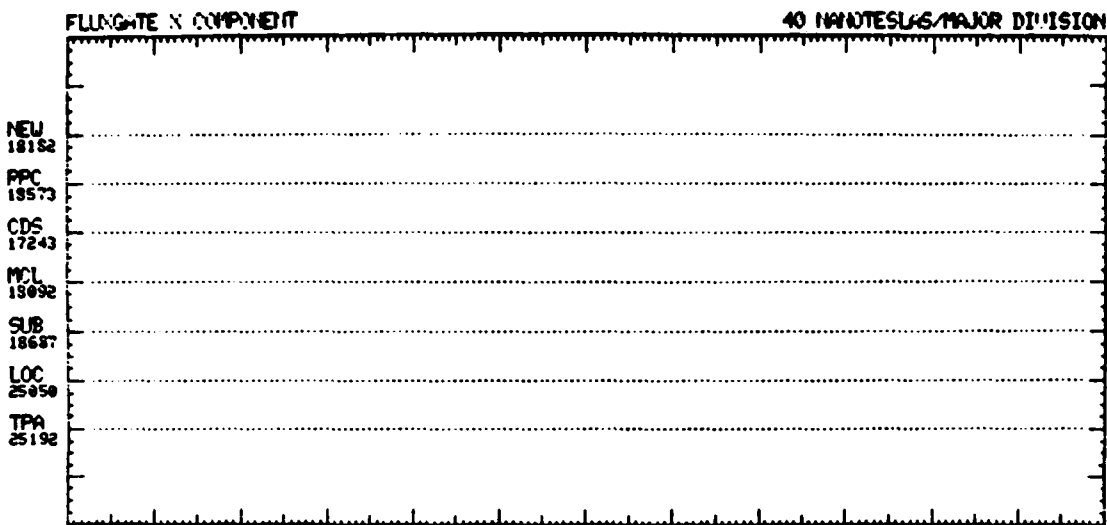
NEU
38
RPC
99
CDS
100
MCL
5
SUB
90
LOC
98
TPA
149

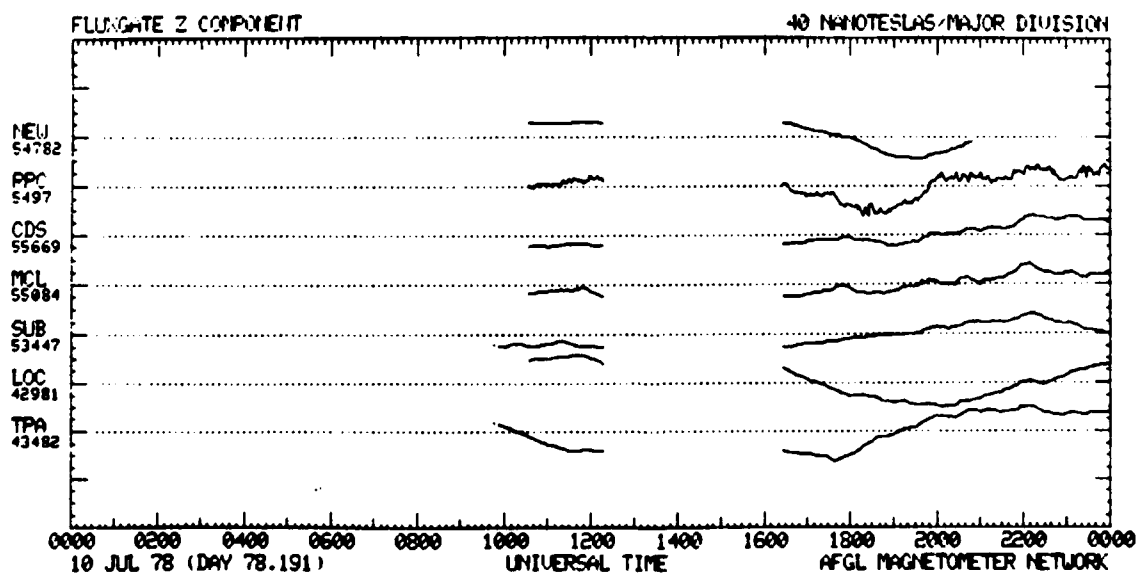
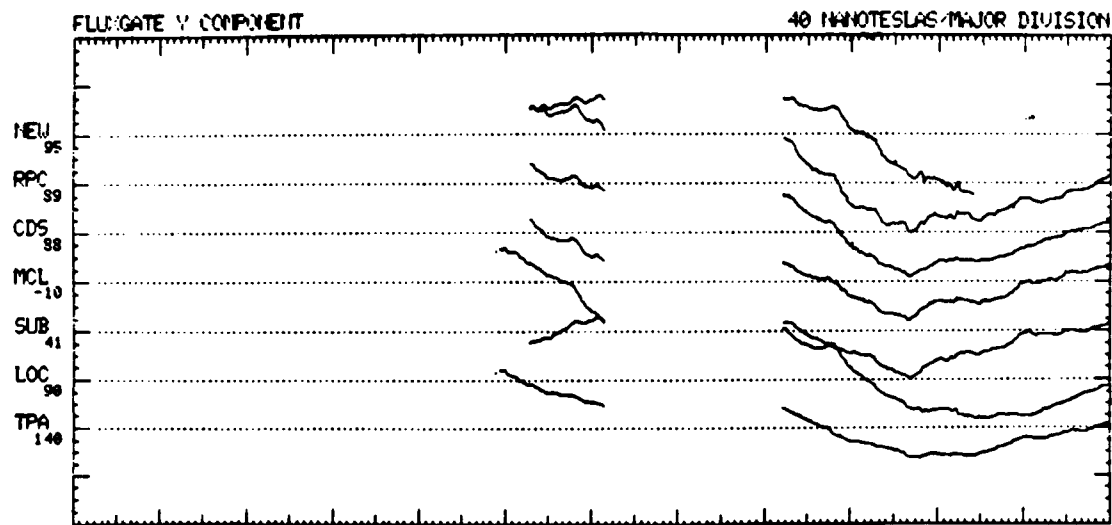
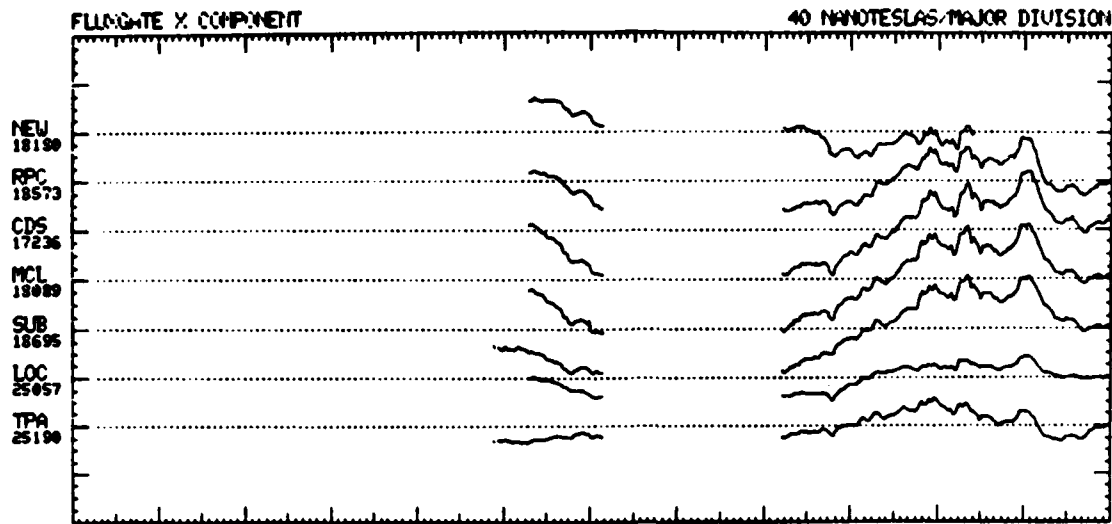
FLIGHTLINE Z COMPONENT

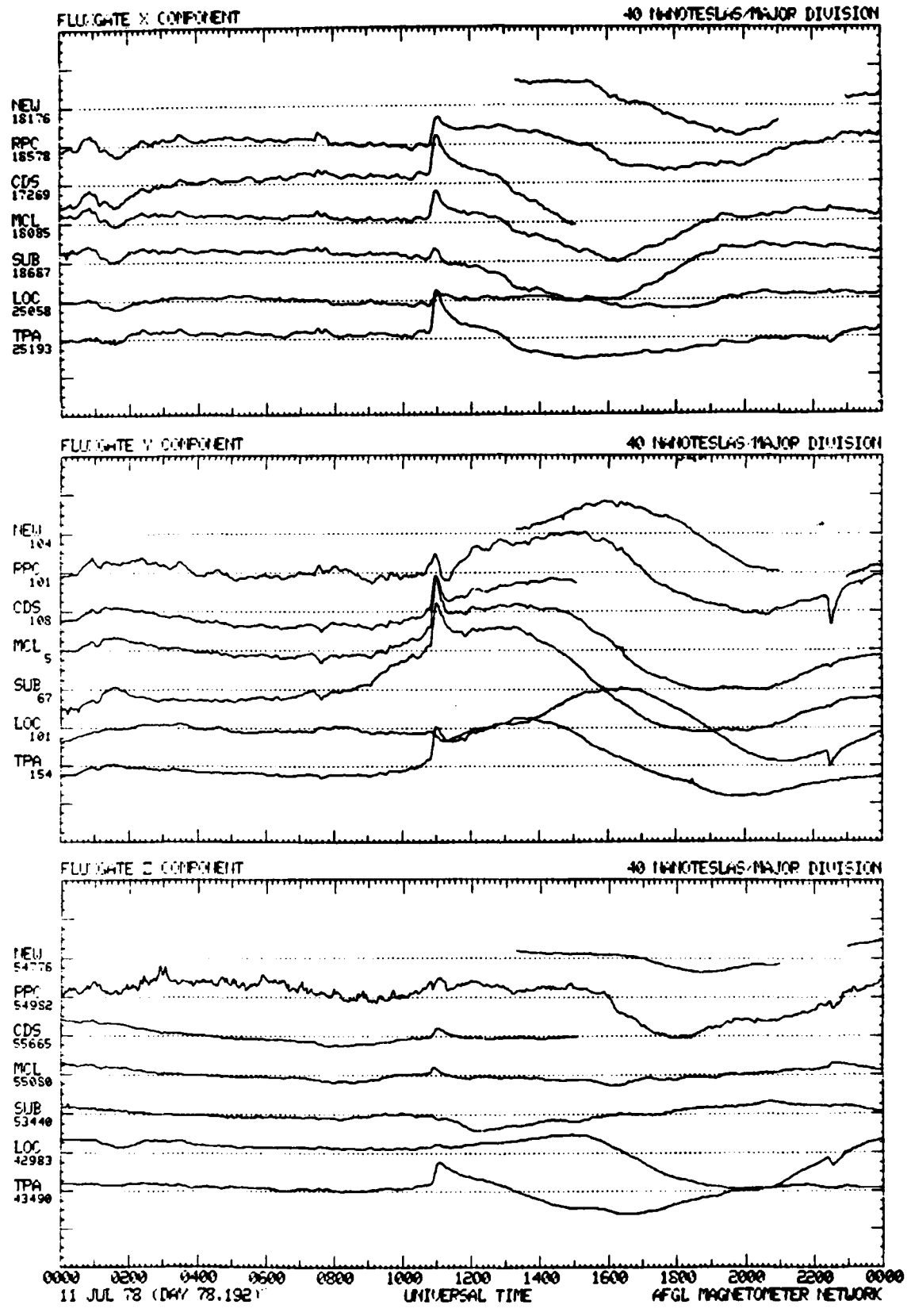
40 MINUTES/LAS MAJOR DIVISION

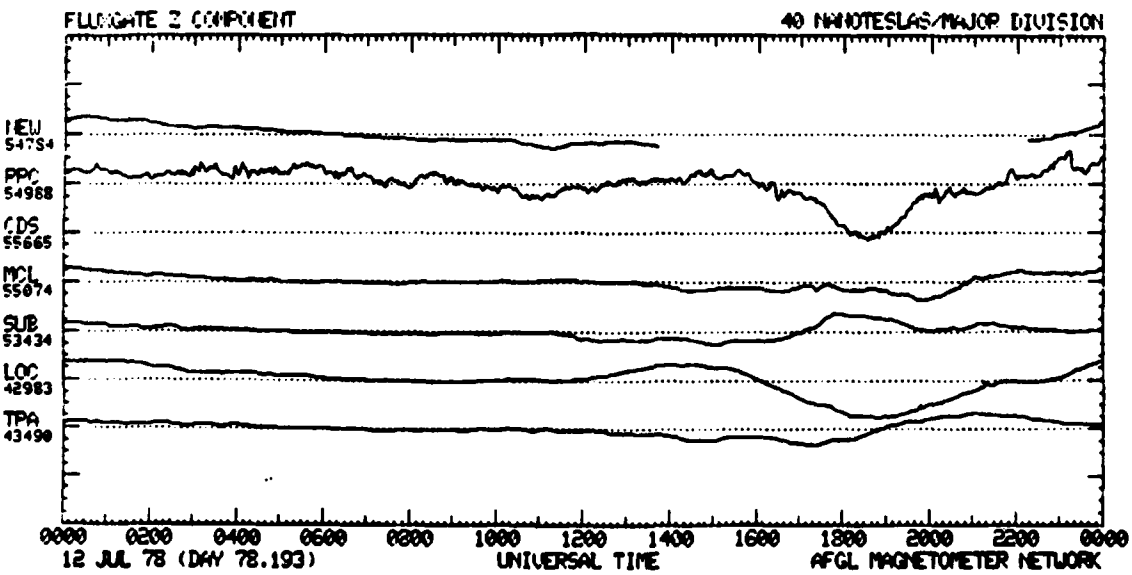
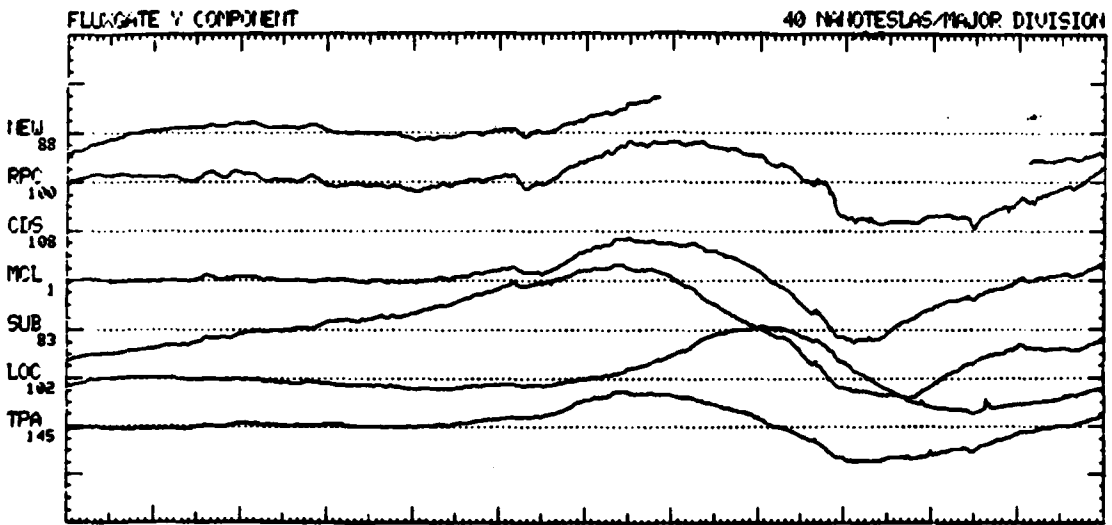
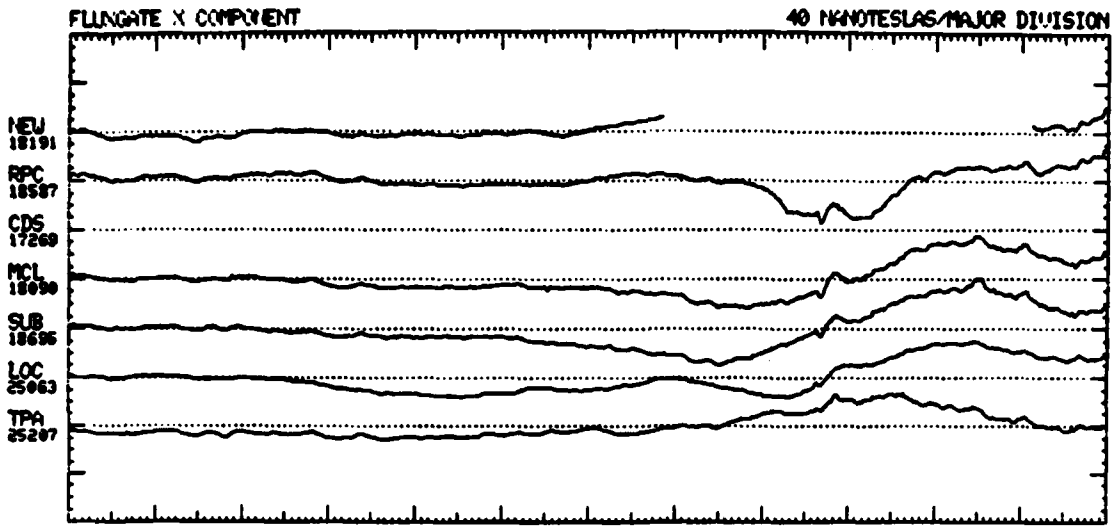
NEU
54793
RPC
54990
CDS
55673
MCL
55086
SUB
53447
LOC
42986
TPA
43493

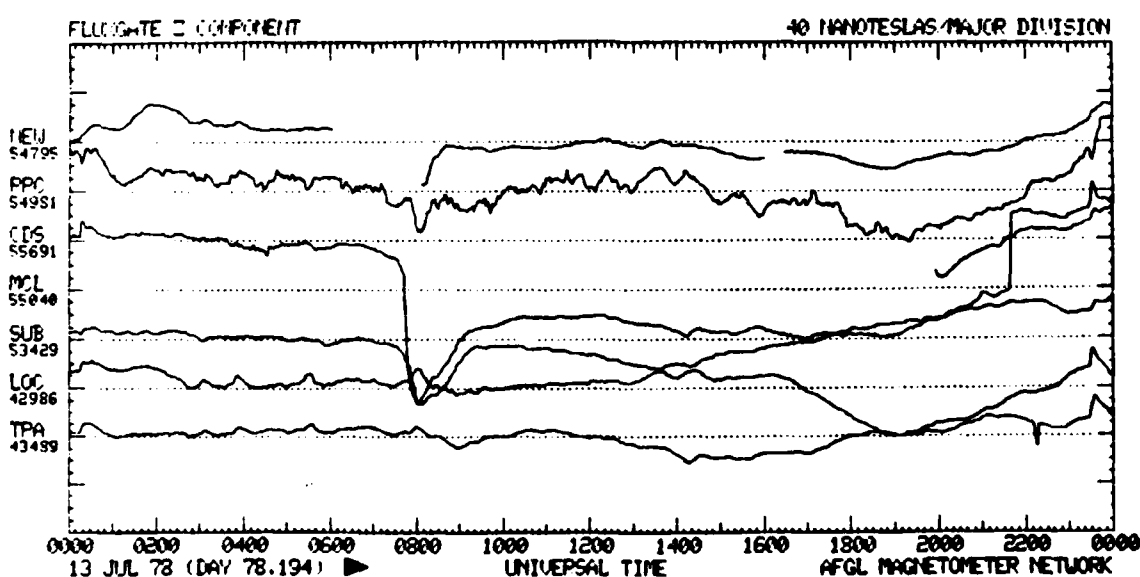
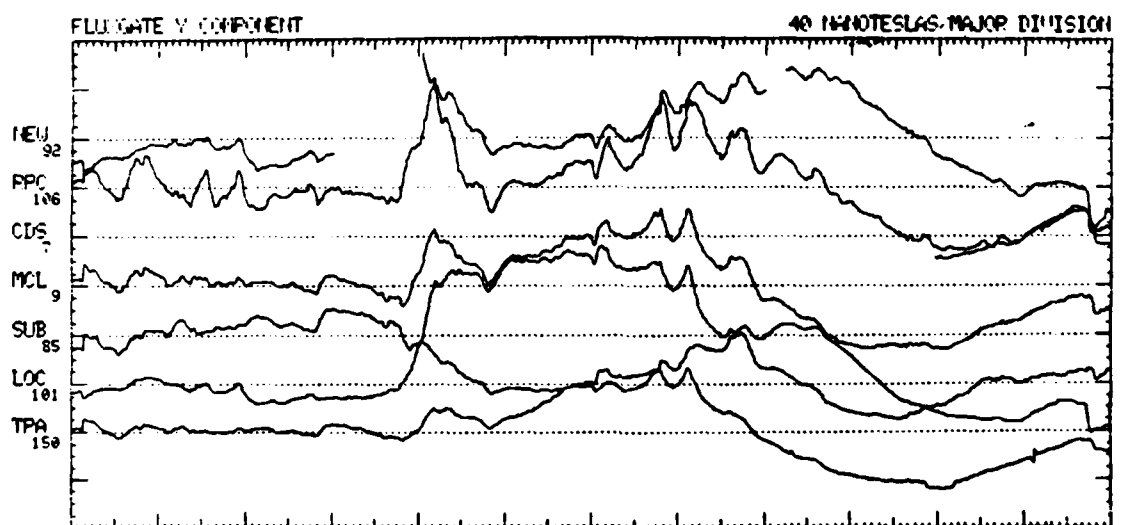
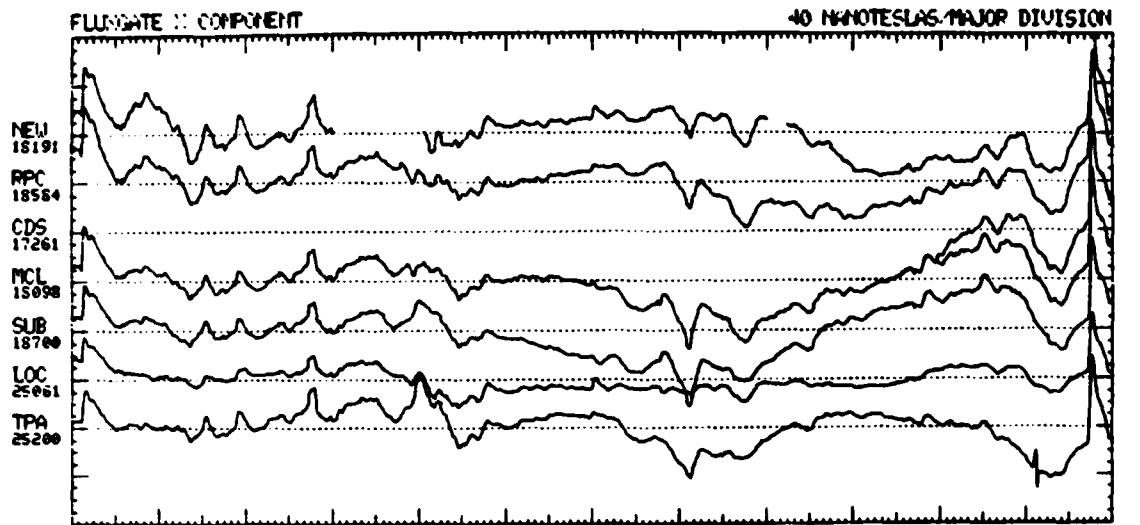
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08 JUL 78 (DAY 78.189) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



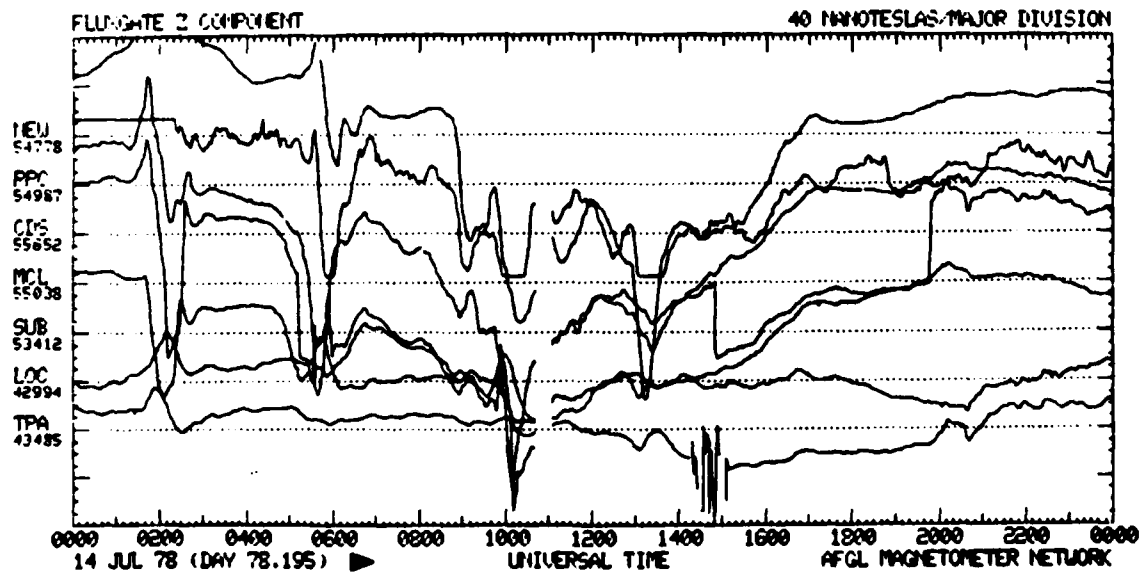
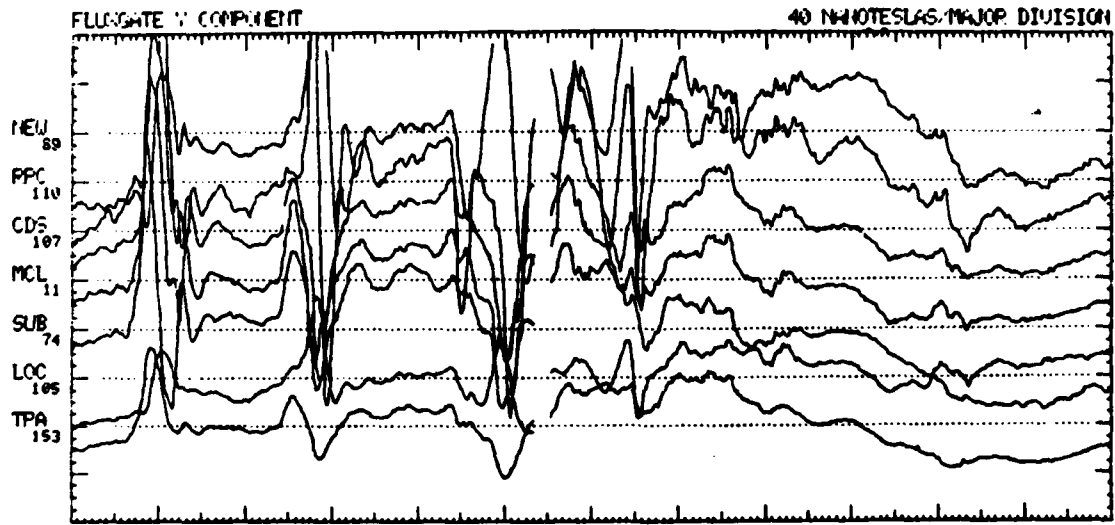
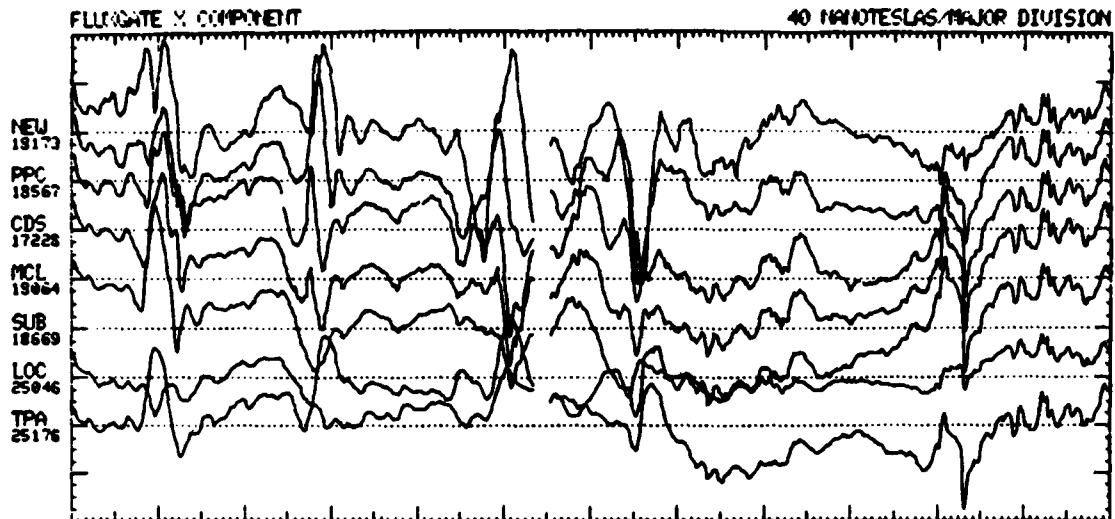


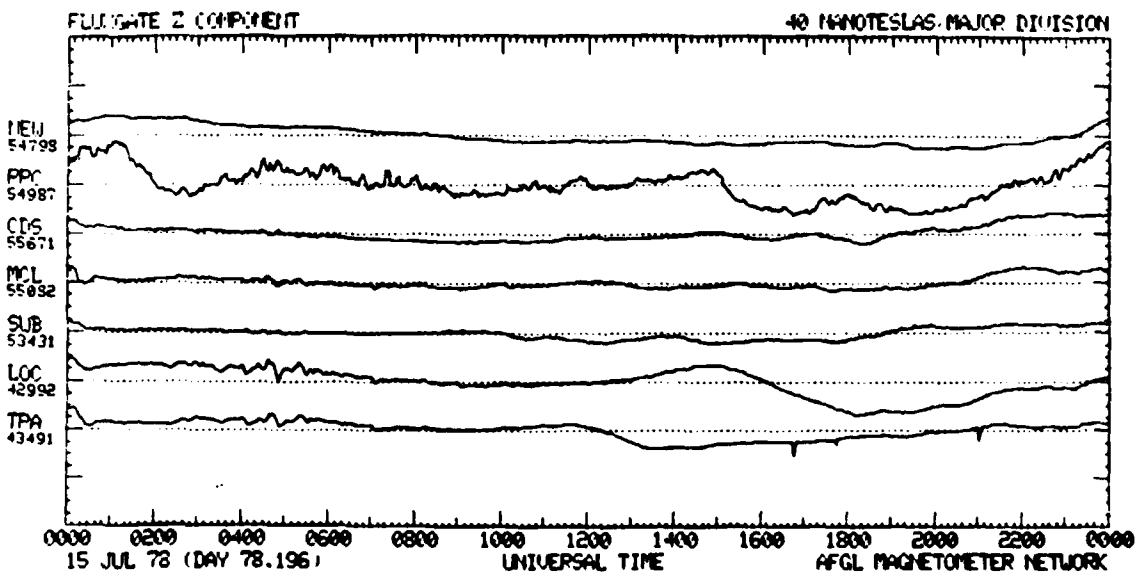
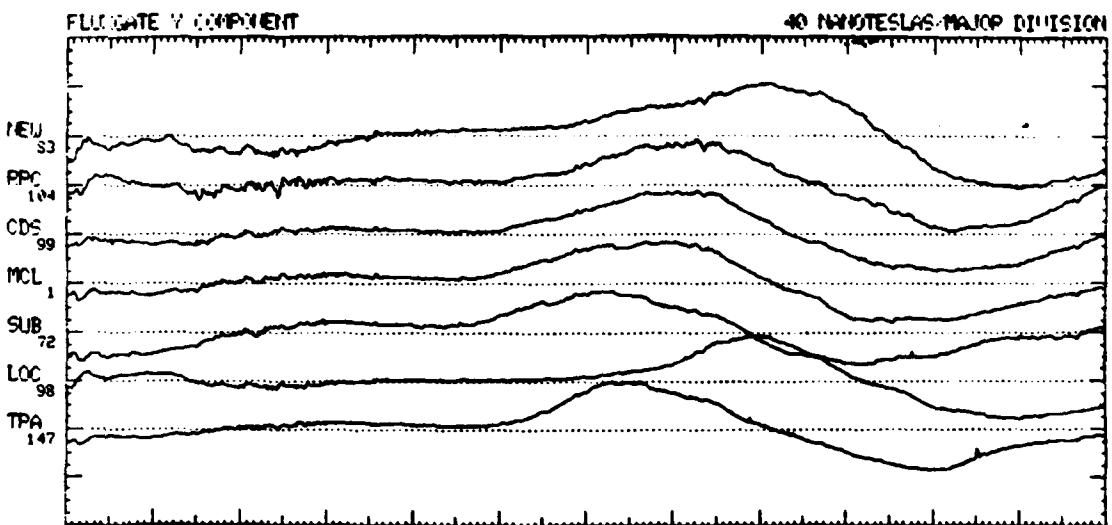
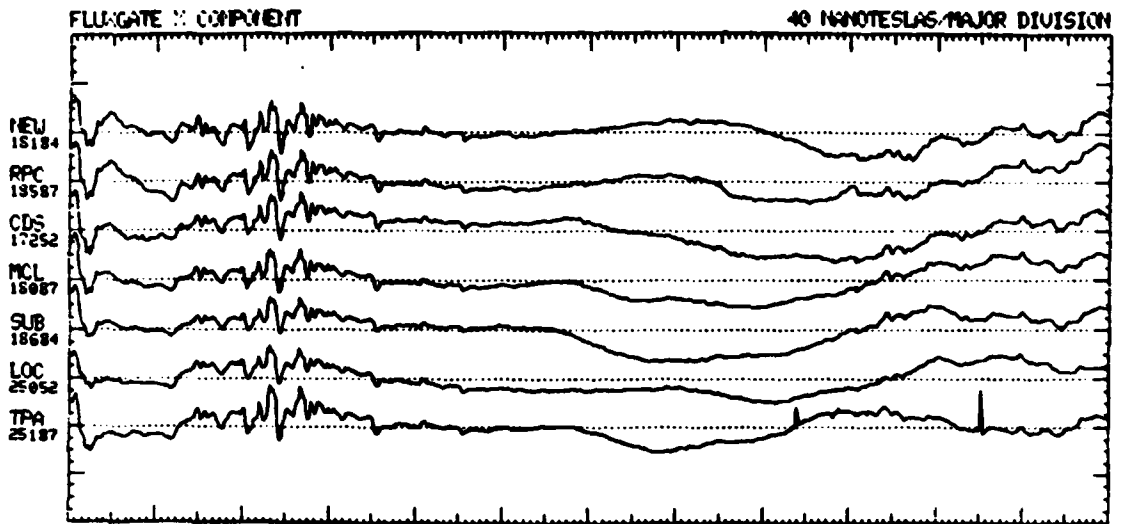


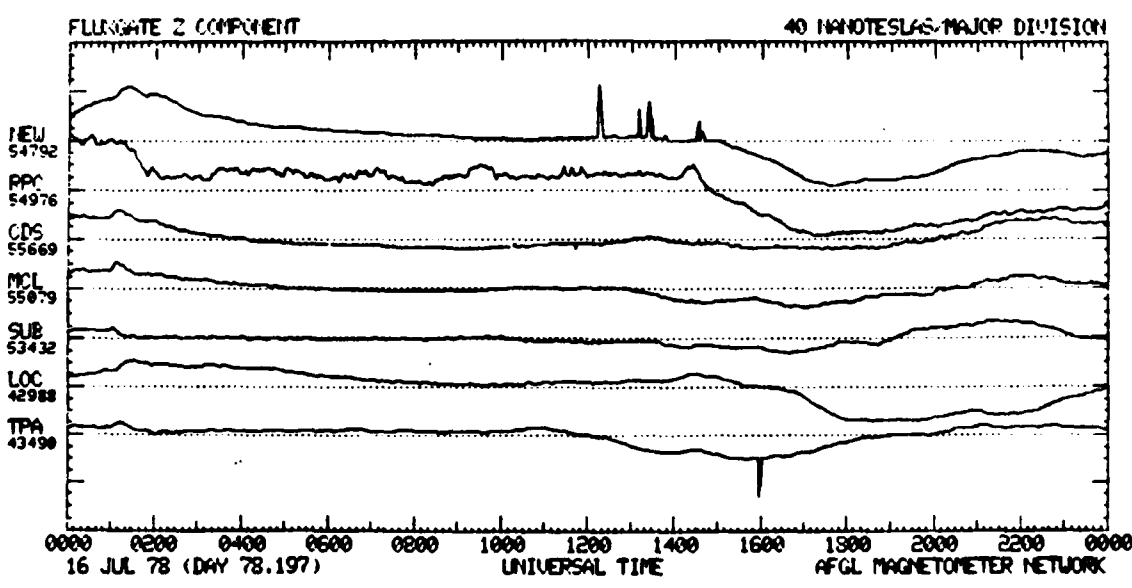
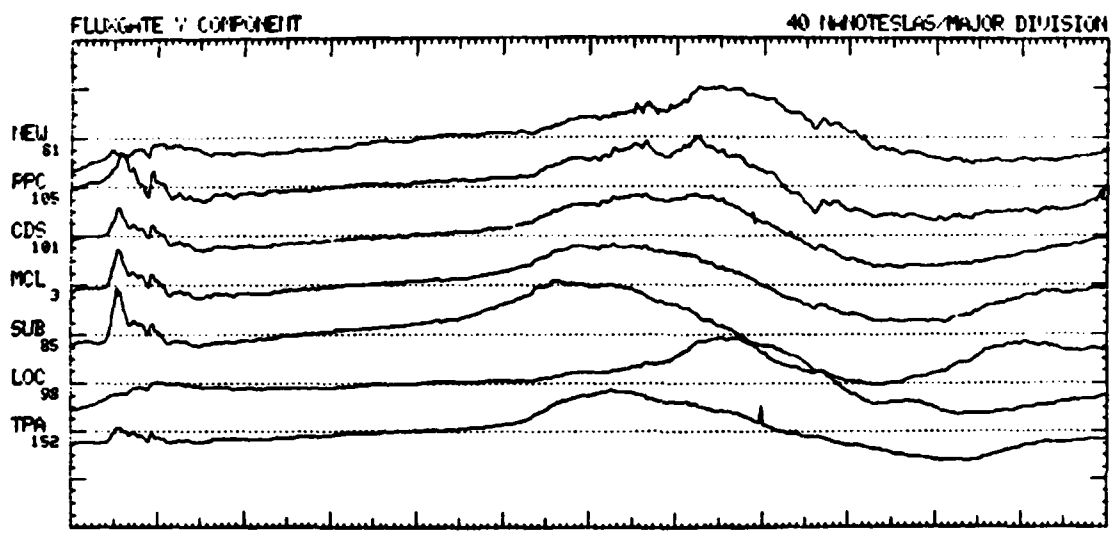
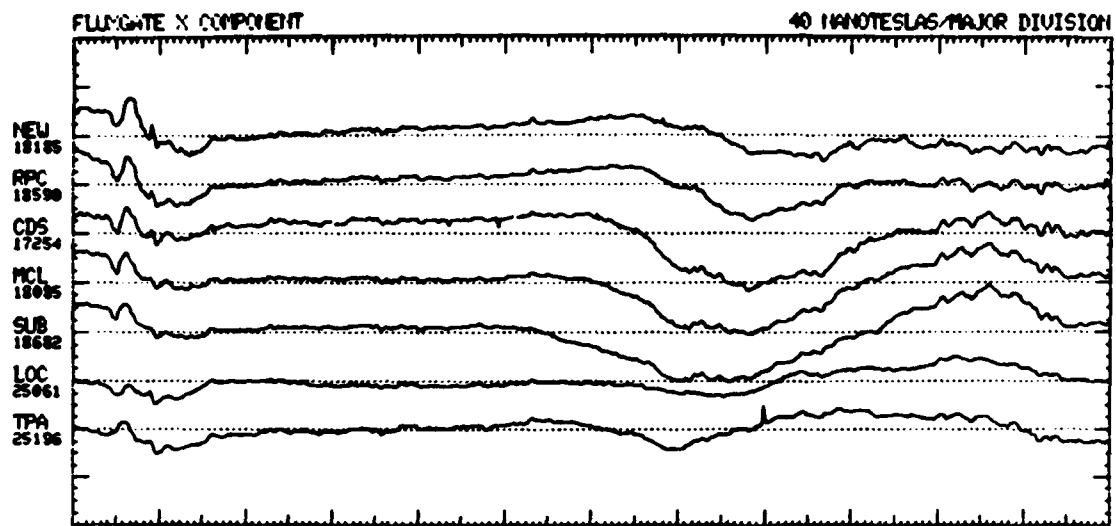


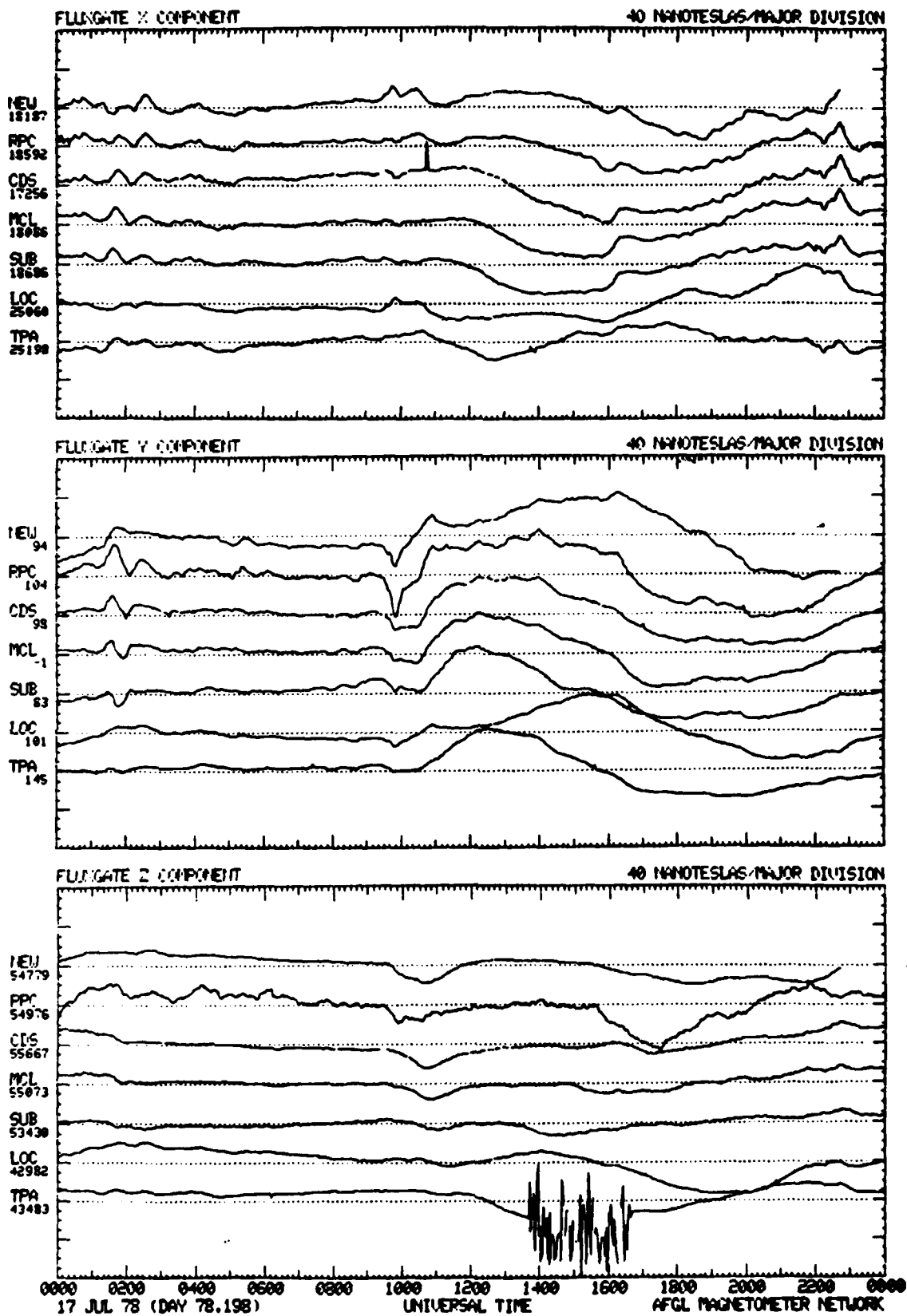


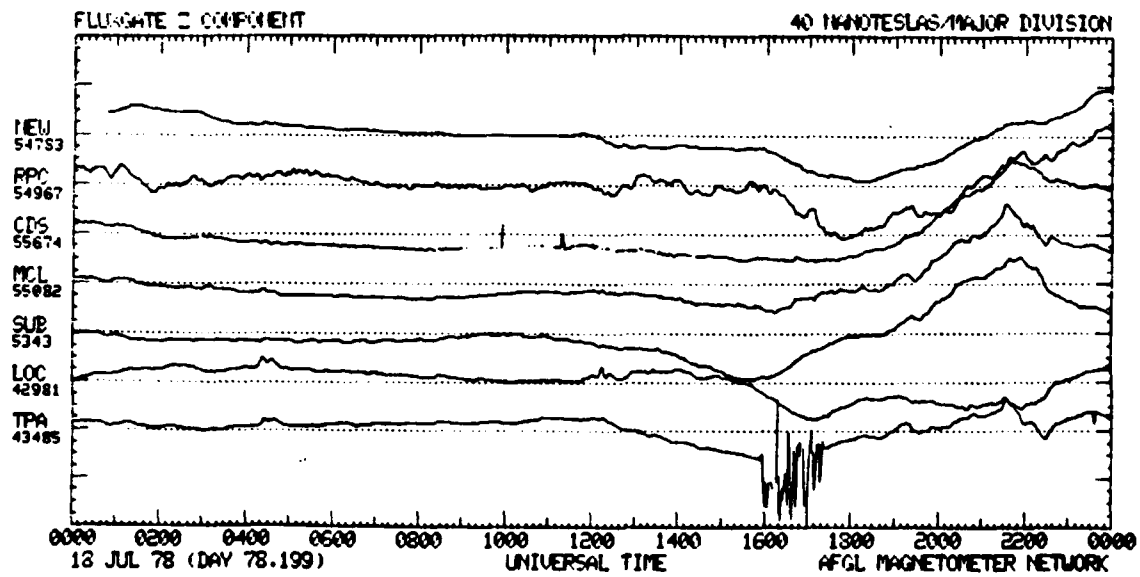
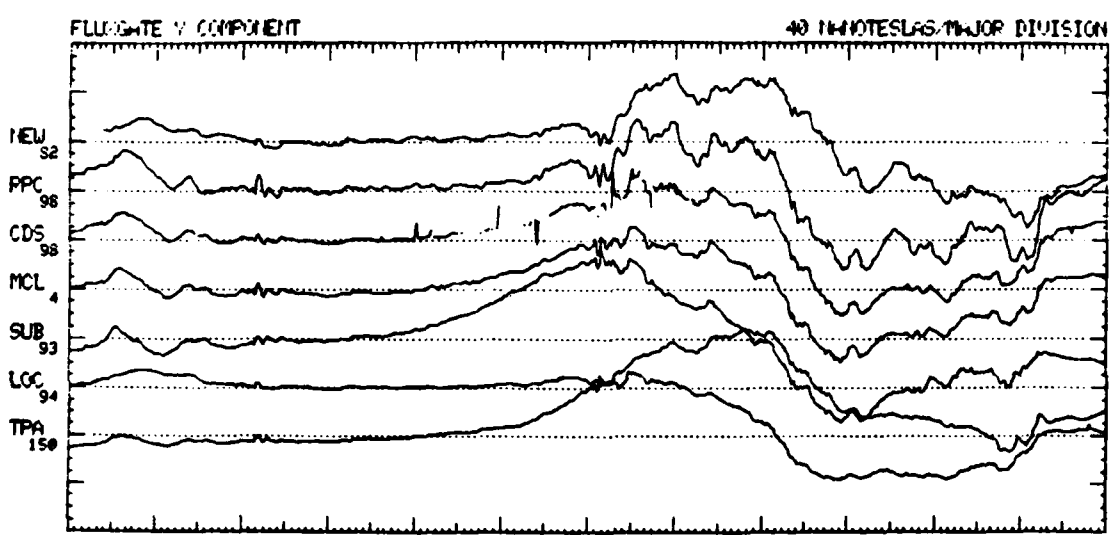
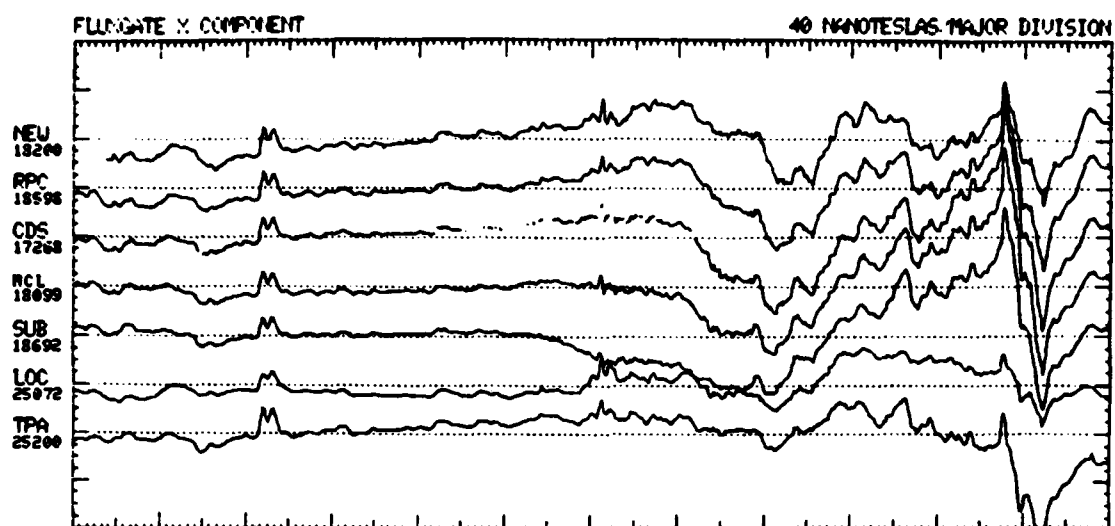
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 13 JUL 78 (DAY 78.194) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

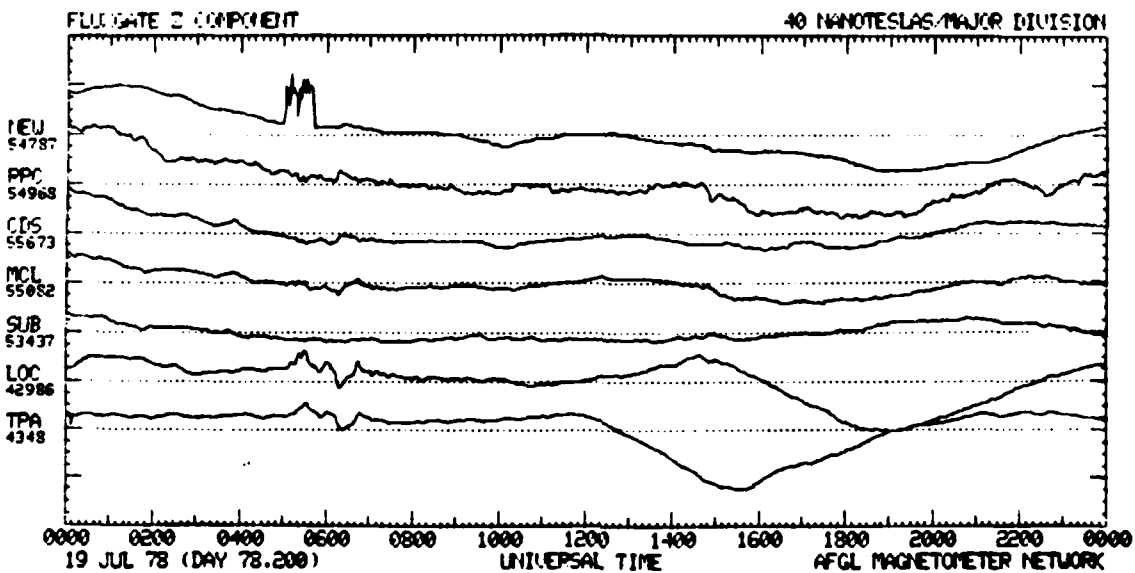
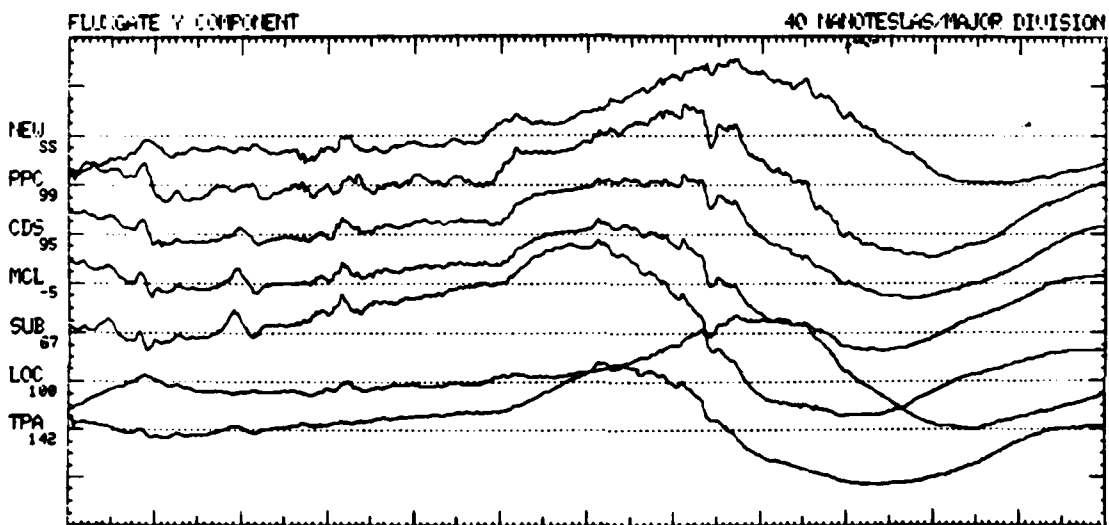
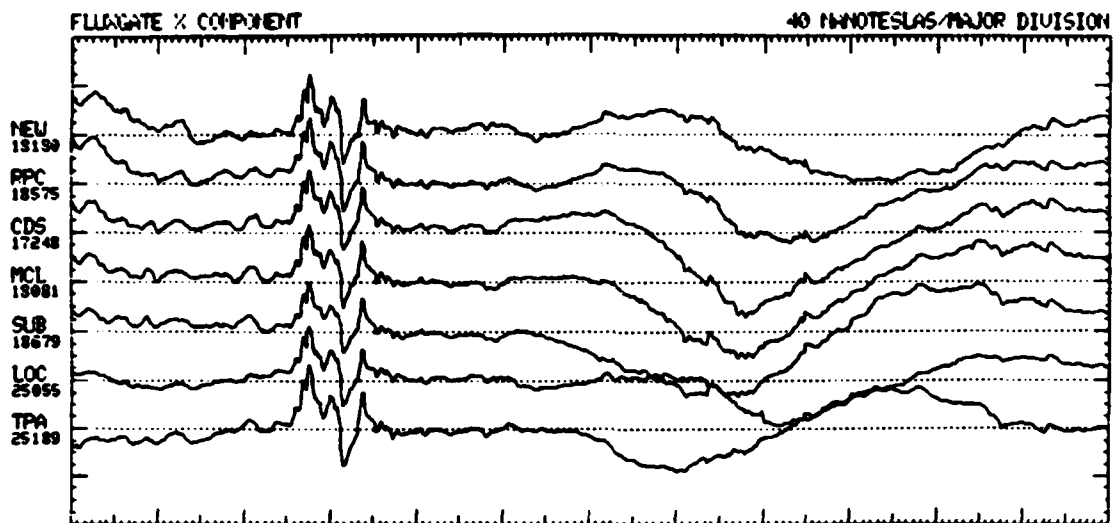


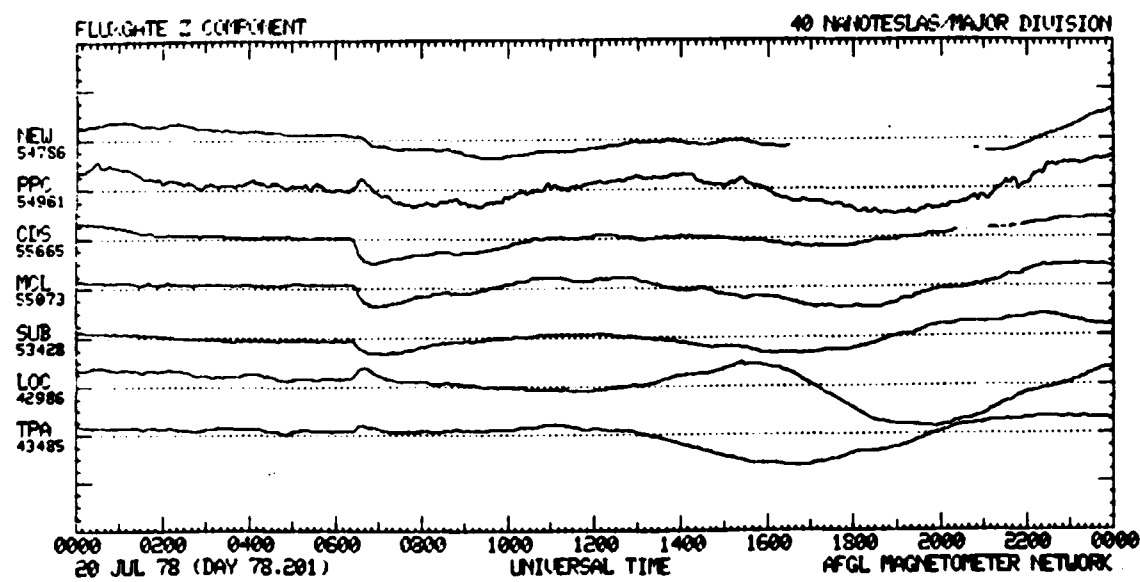
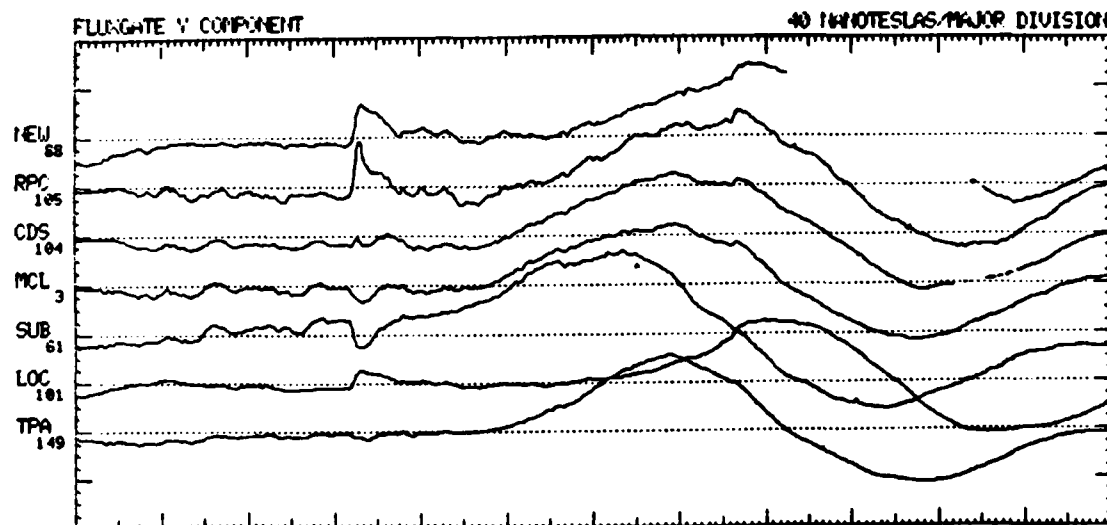
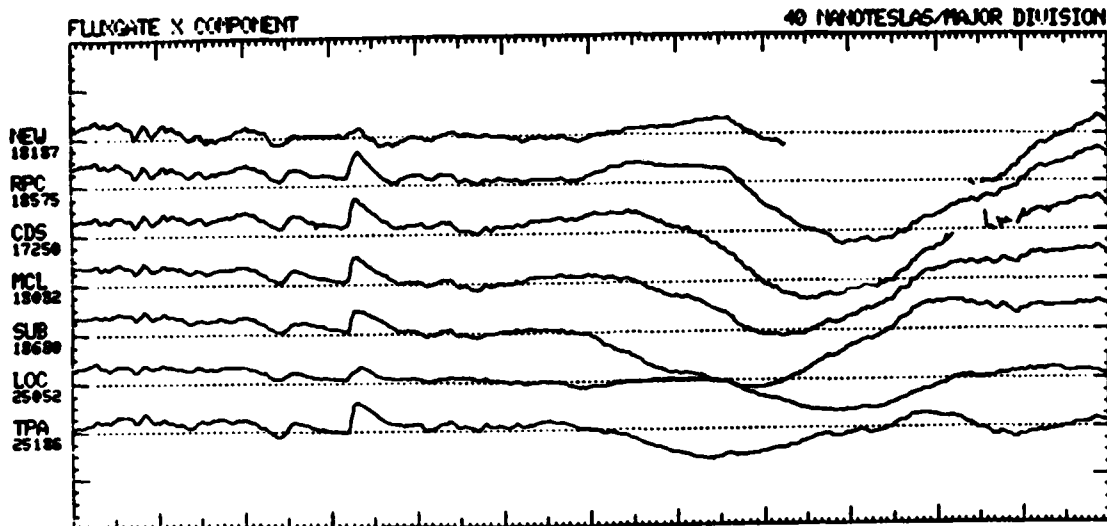


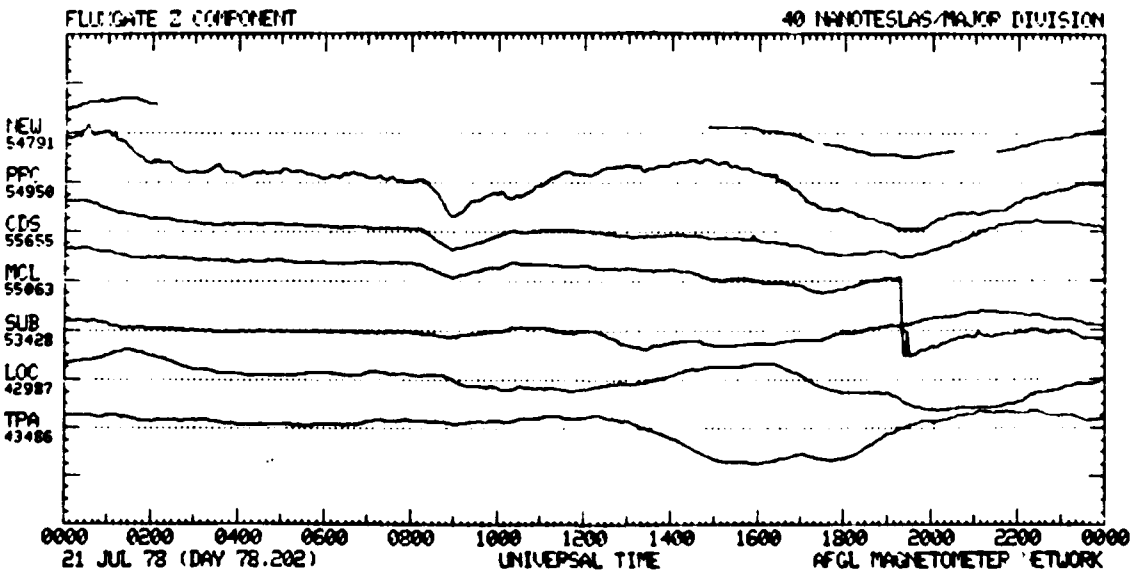
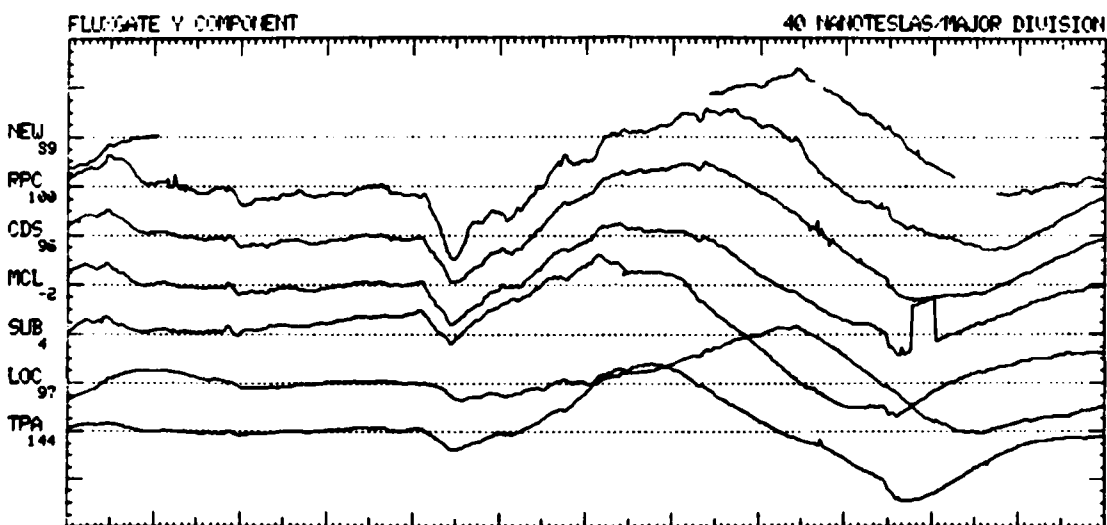
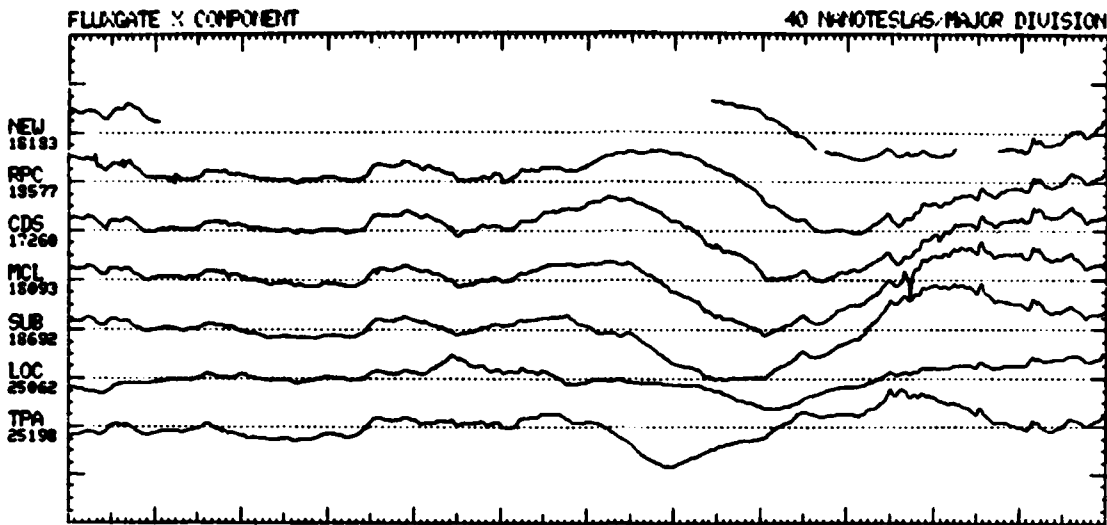


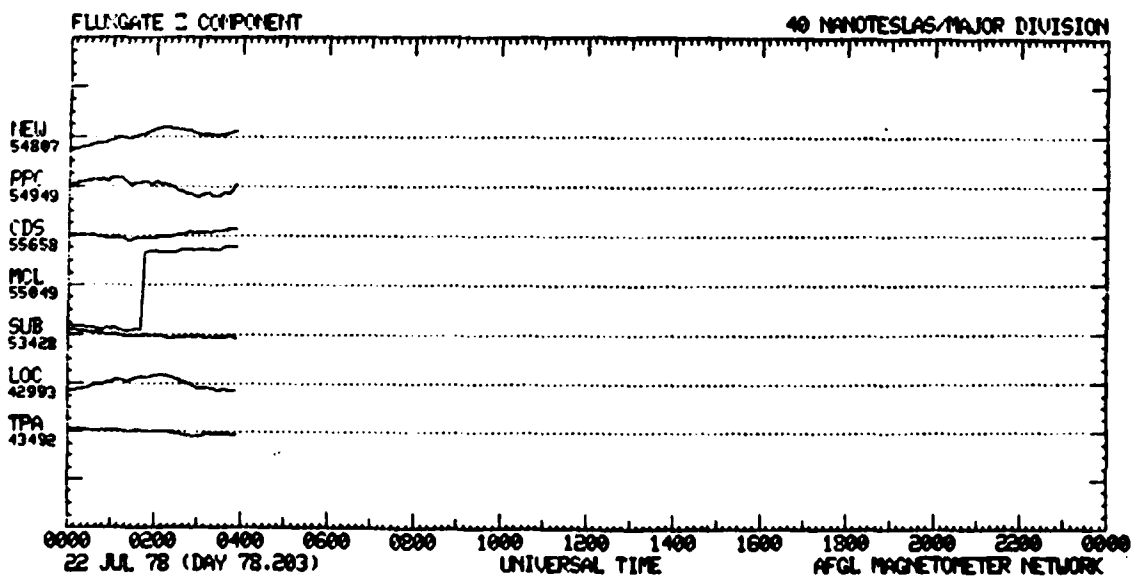
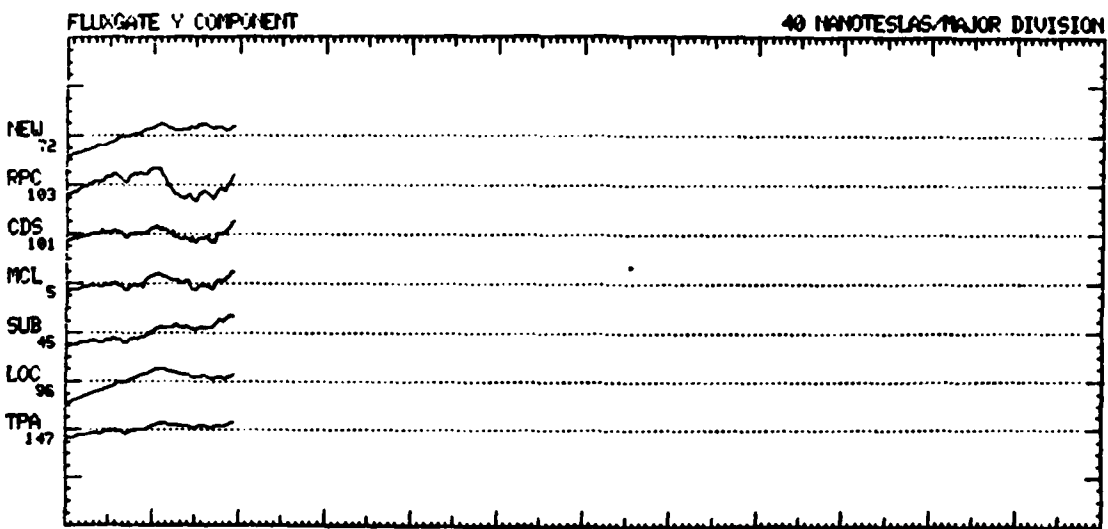
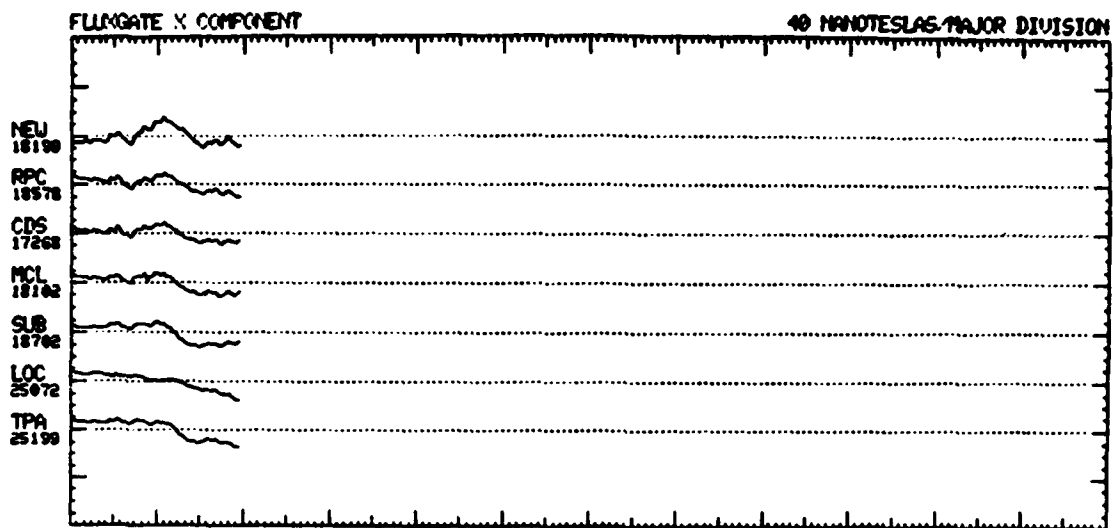












FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
18199
RPC
18578
CDS
17268
MCL
18102
SUB
18702
LOC
25972
TPA
25199

FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

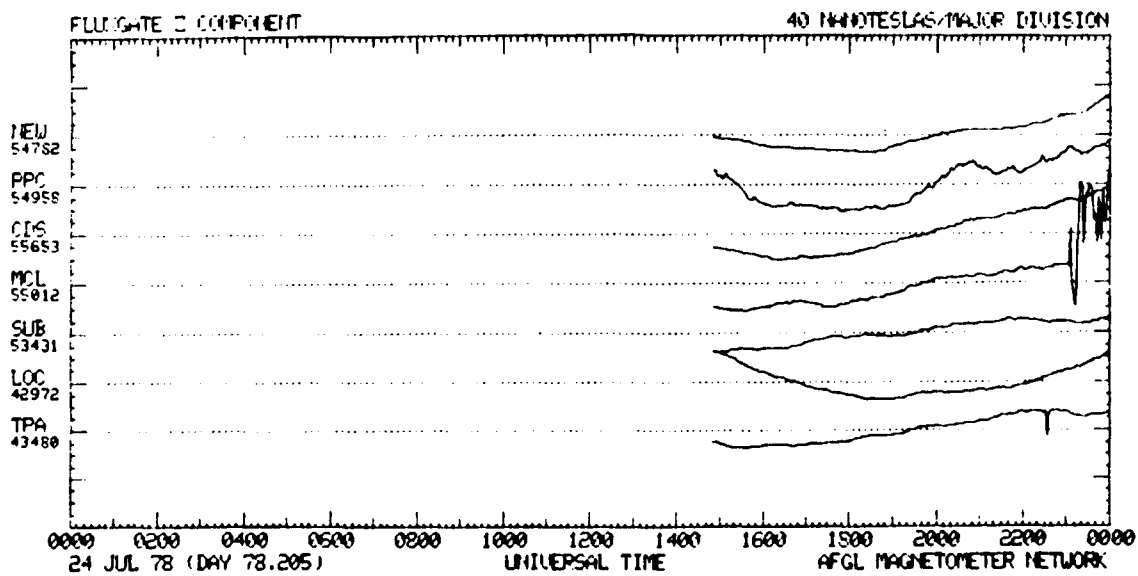
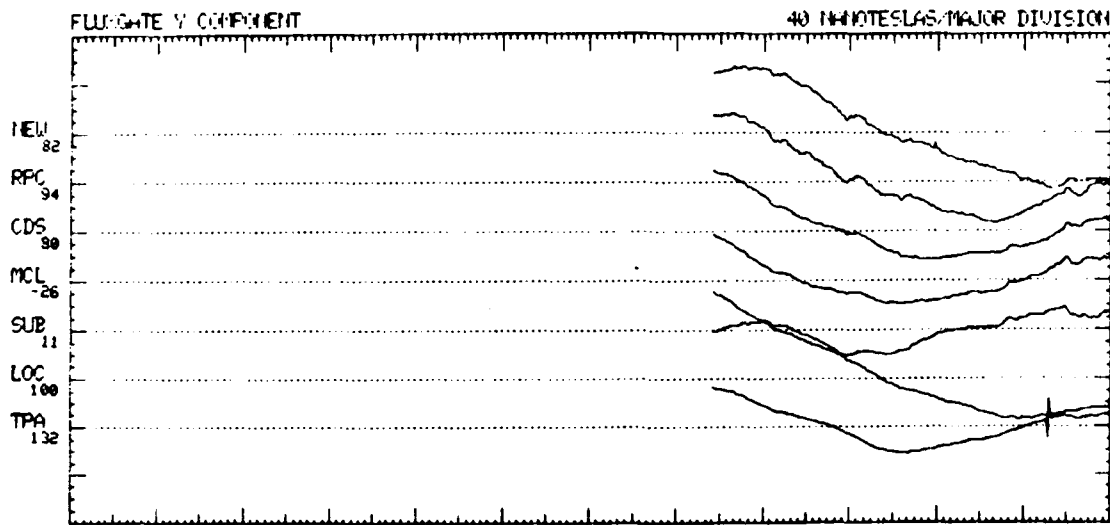
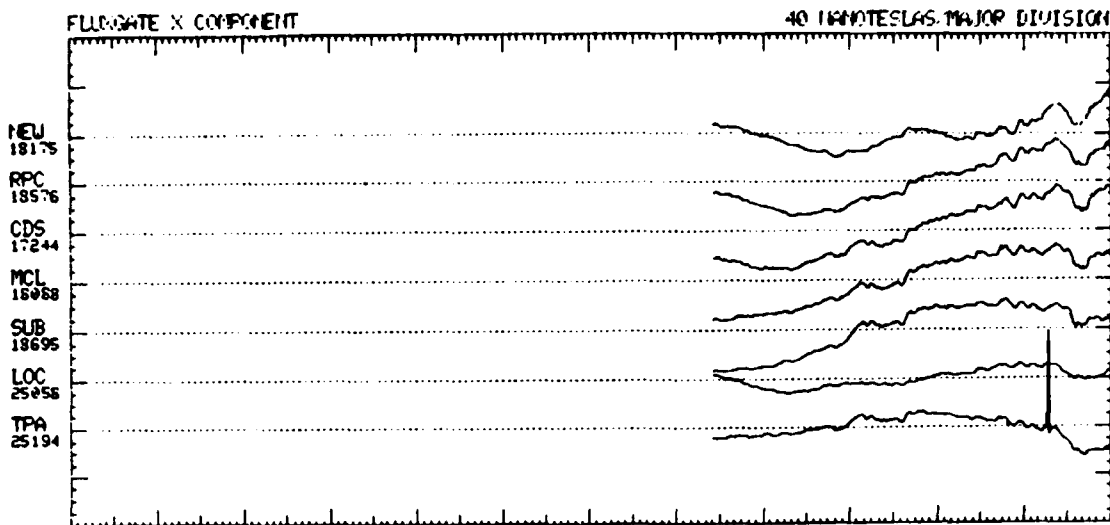
NEU
72
RPC
183
CDS
101
MCL
5
SUB
45
LOC
96
TPA
147

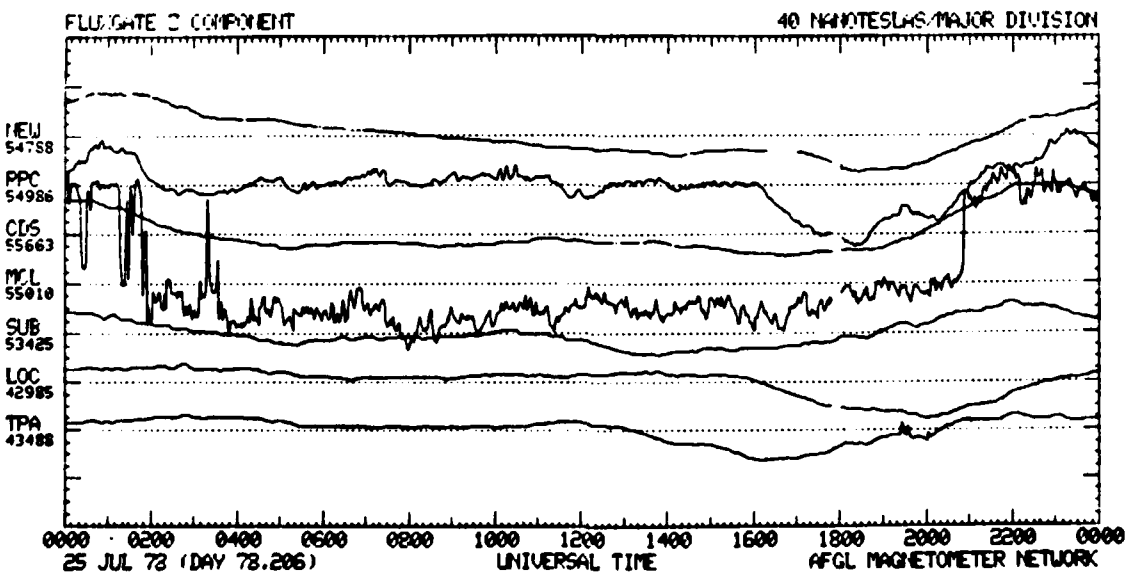
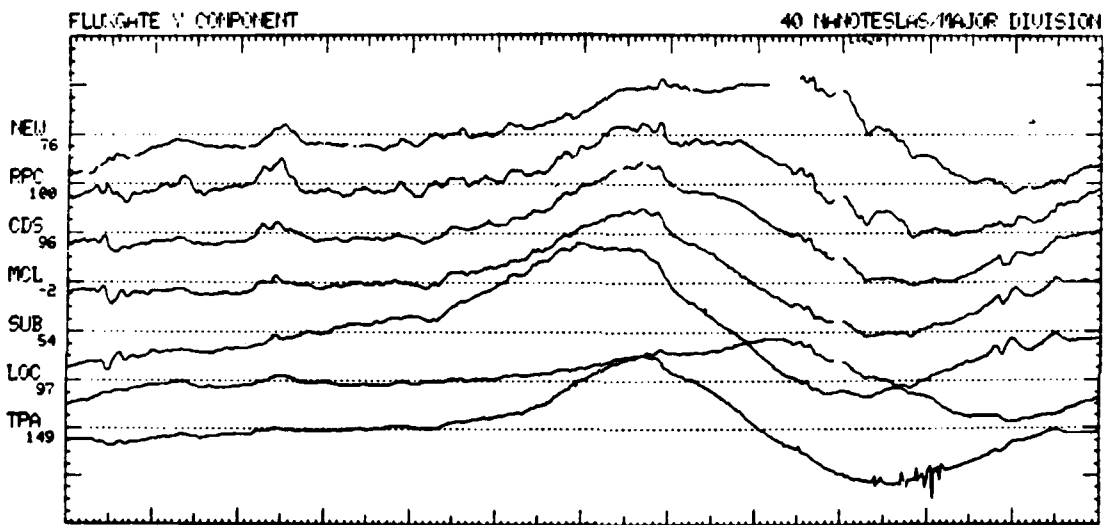
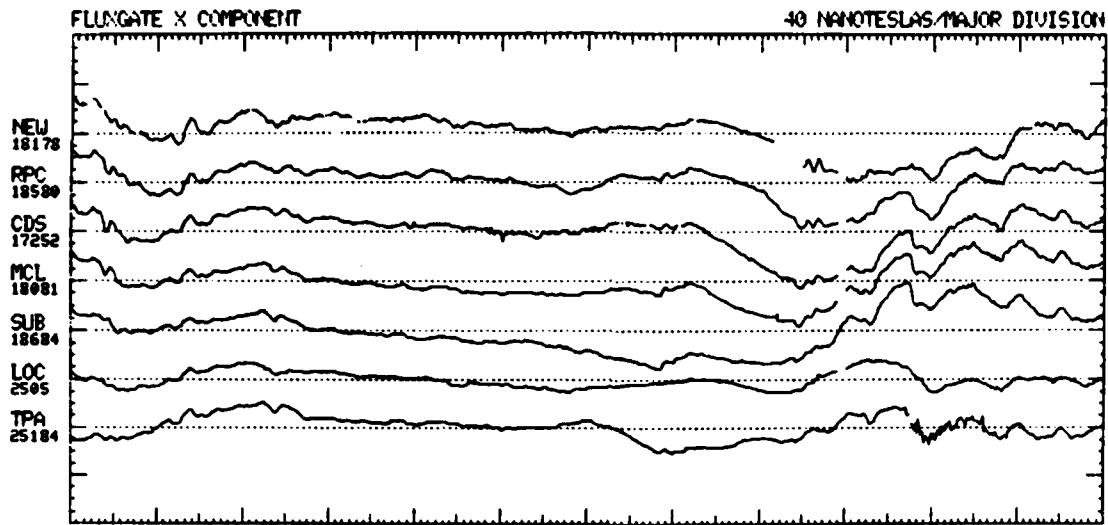
FLUNGATE Z COMPONENT

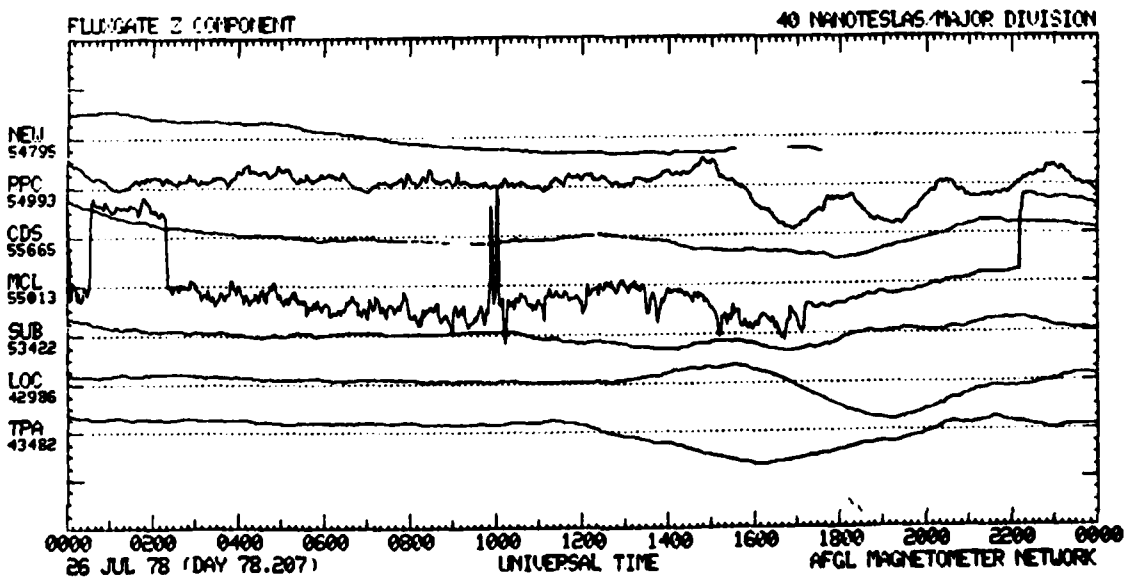
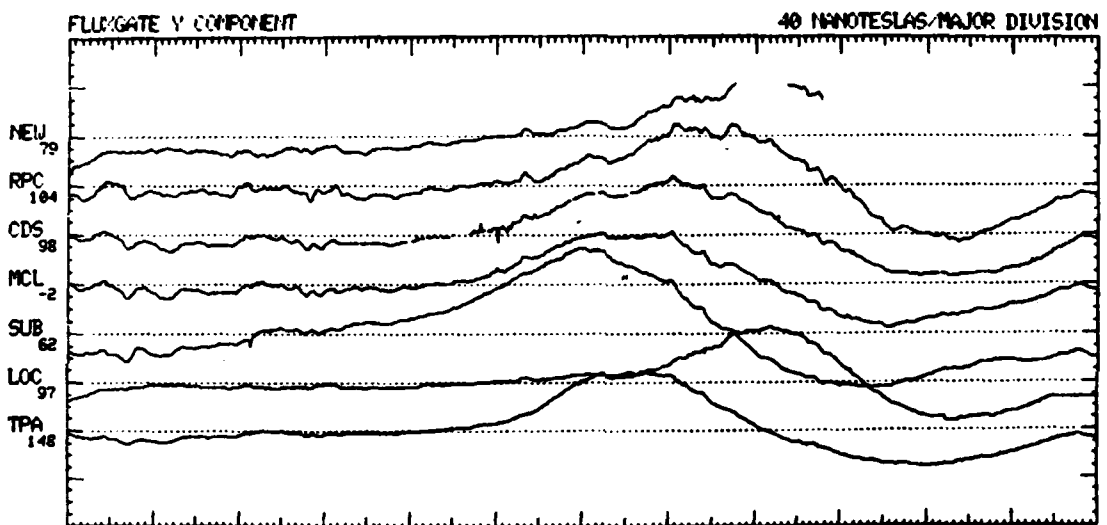
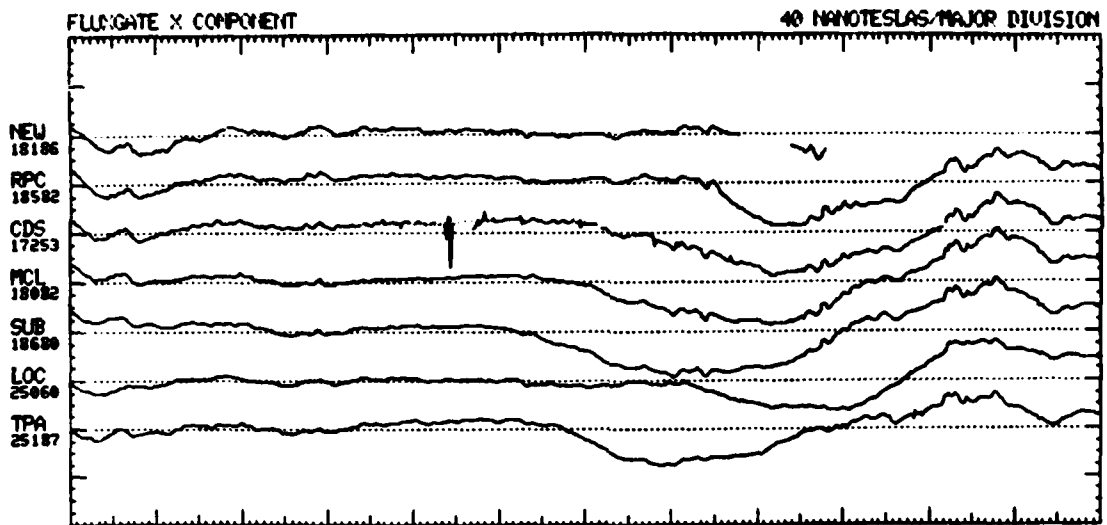
40 NANOTESLAS/MAJOR DIVISION

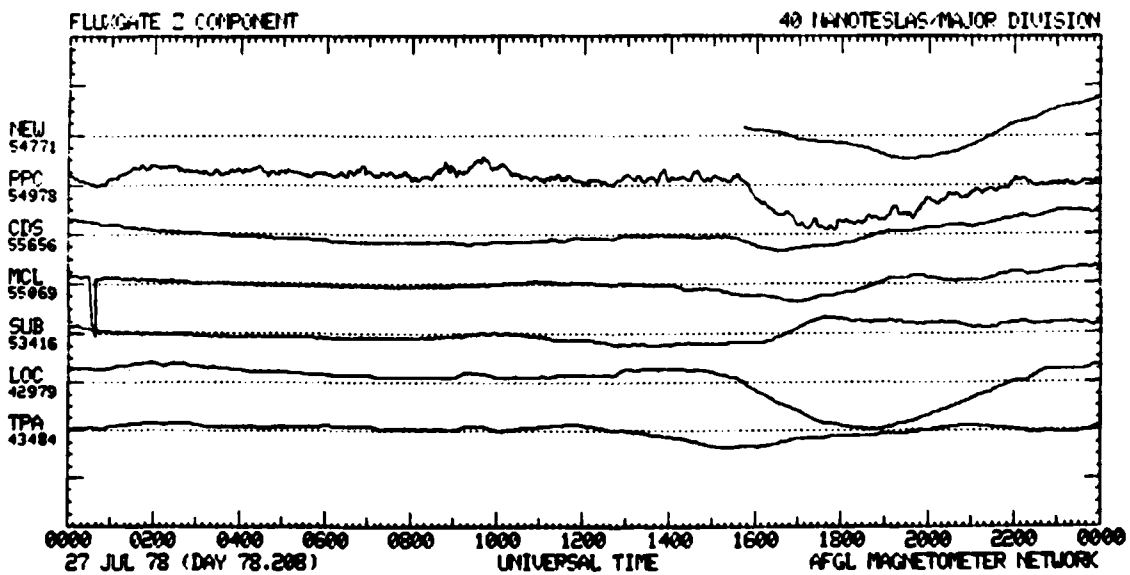
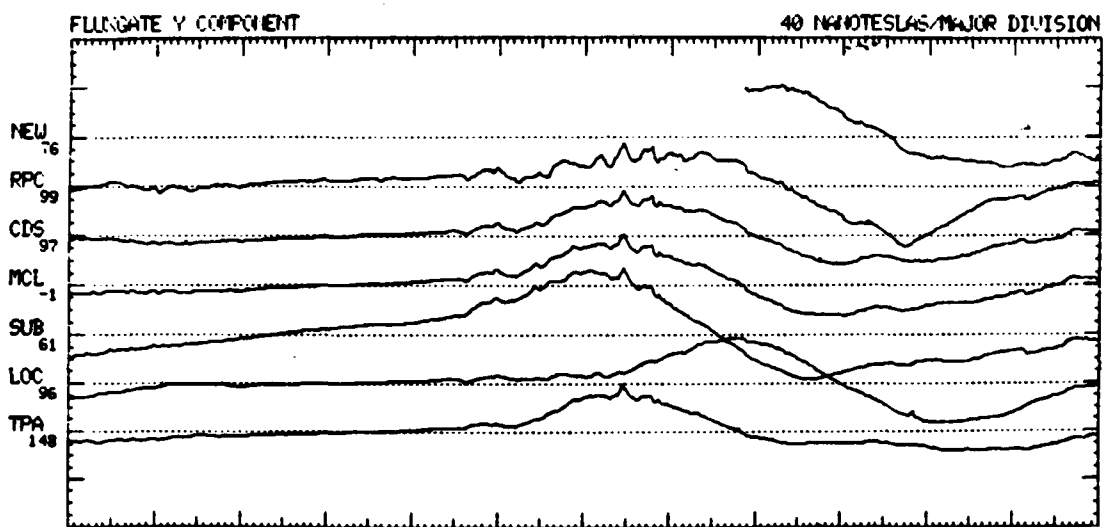
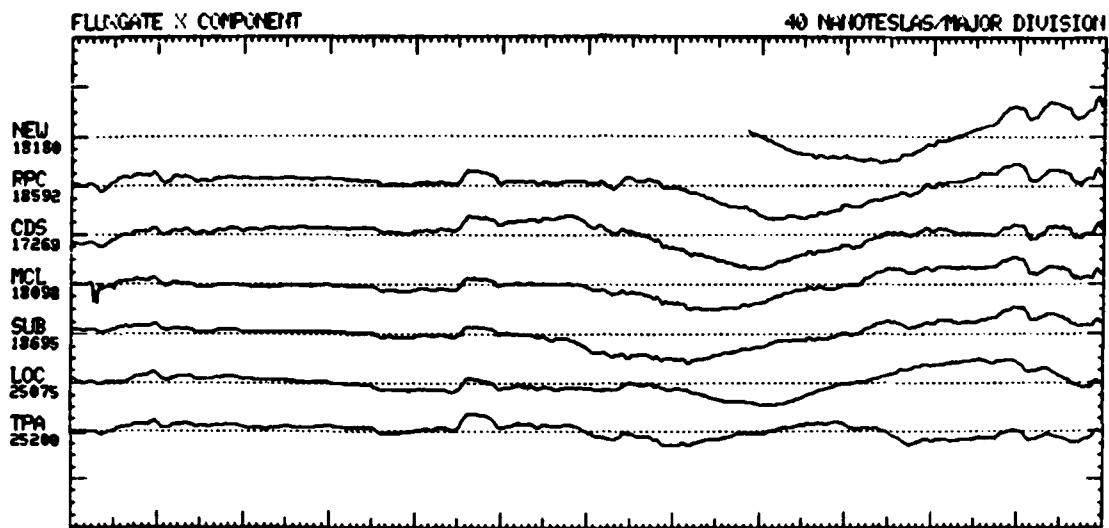
NEU
54887
RPC
54949
CDS
55658
MCL
55049
SUB
53428
LOC
42993
TPA
43492

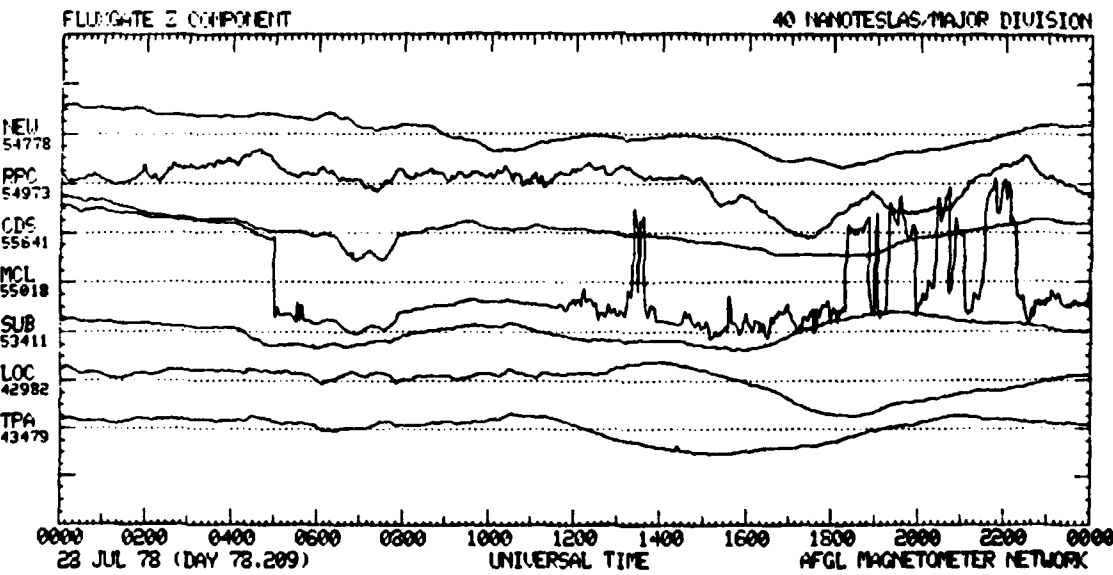
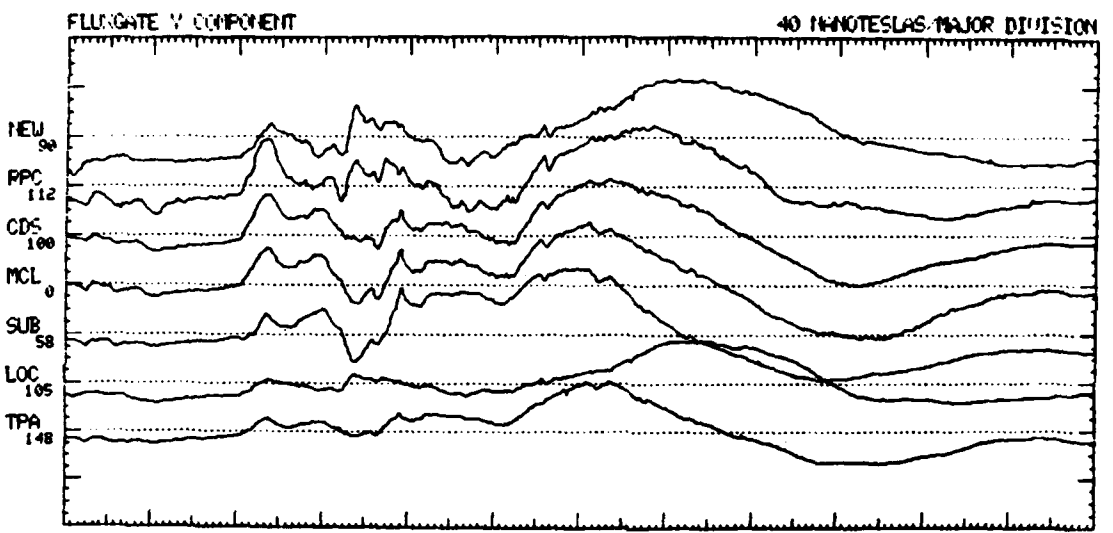
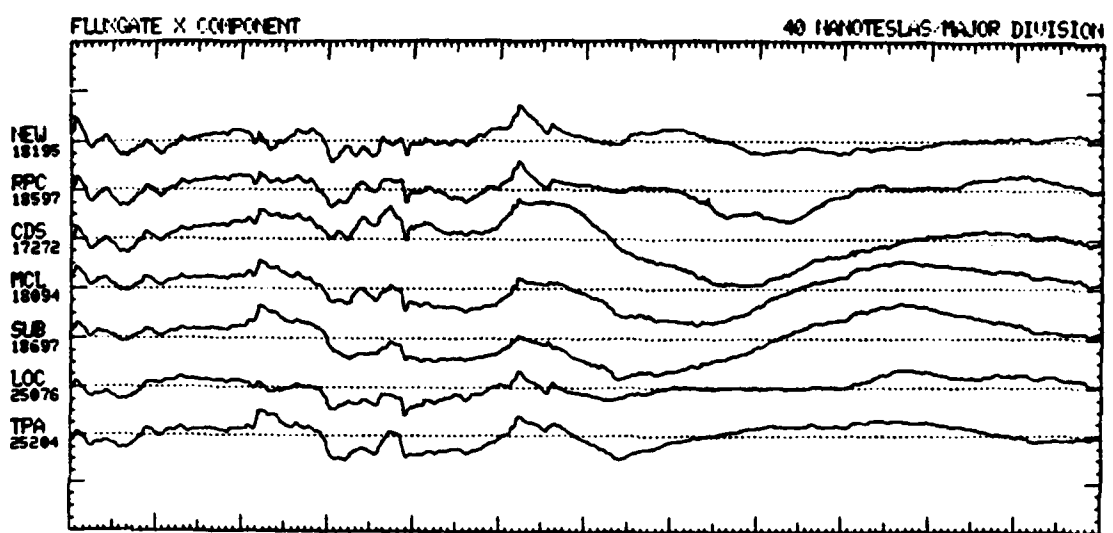
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23 JUL 78 (DAY 78.204) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

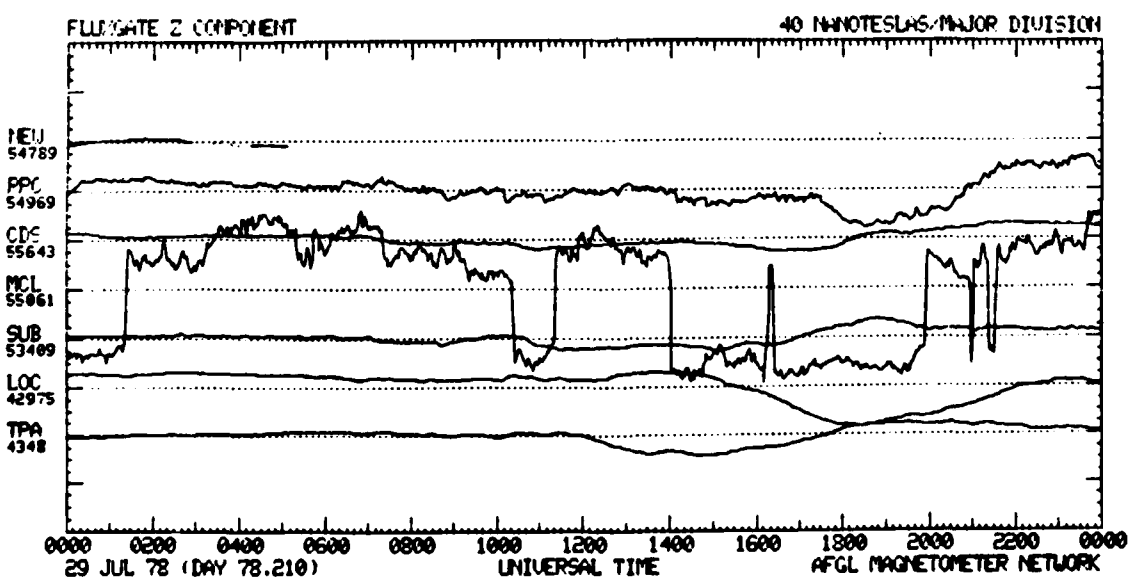
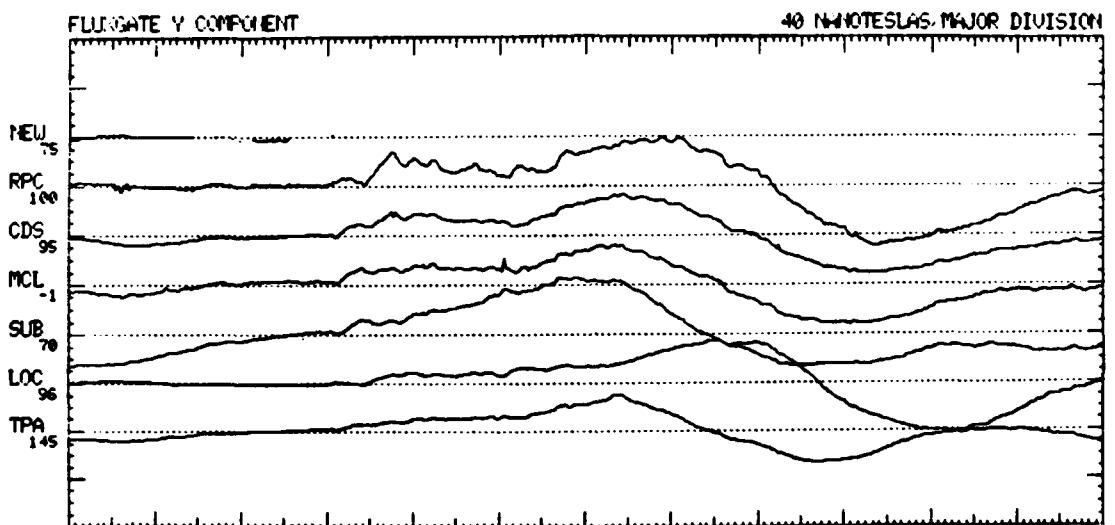
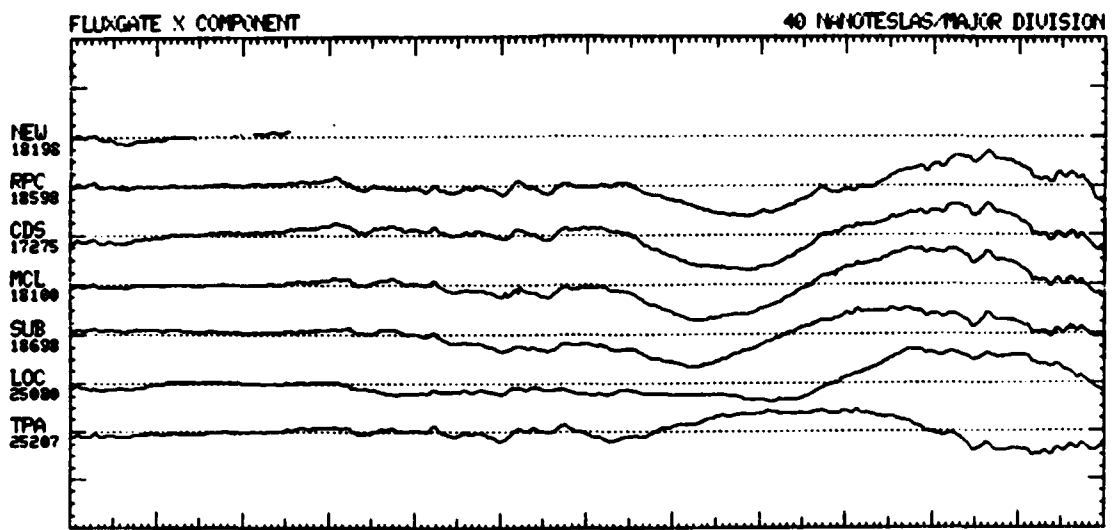








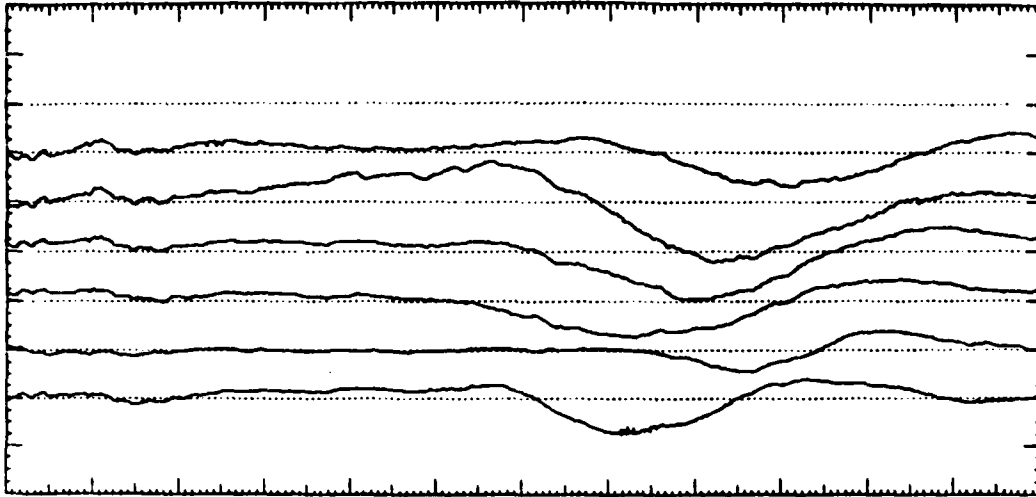




FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

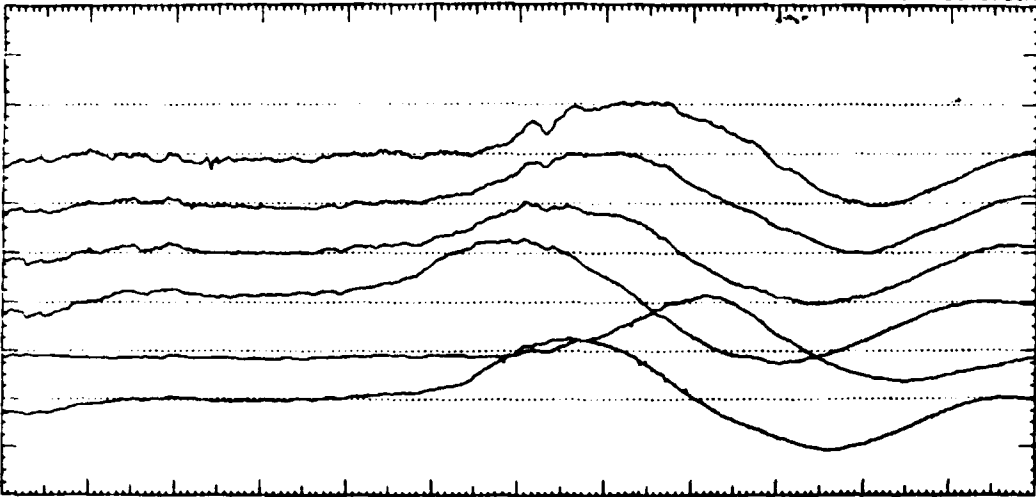
NEW
18198
PPC
18584
CDS
17264
MCL
18086
SUB
18690
LOC
25069
TPA
25197



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

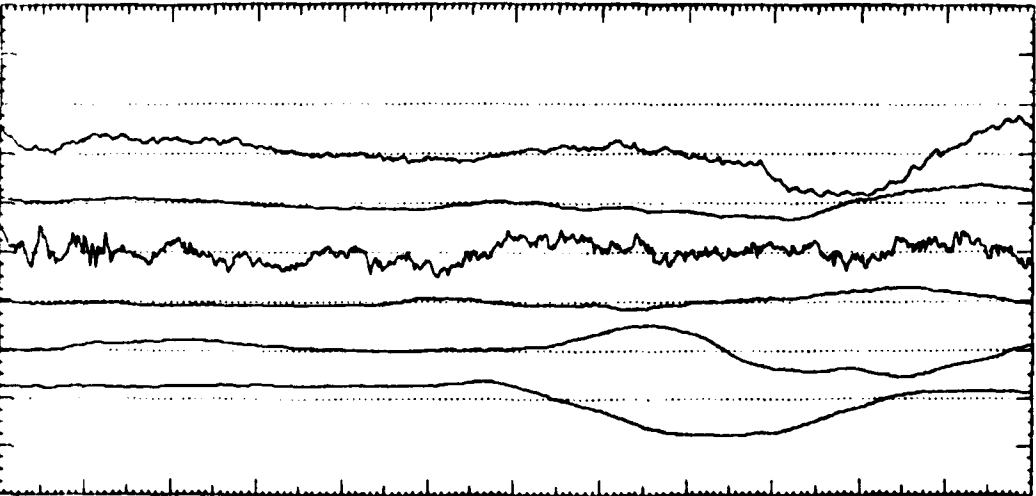
NEW
75
PPC
106
CDS
98
MCL
1
SUB
66
LOC
102
TPA
147



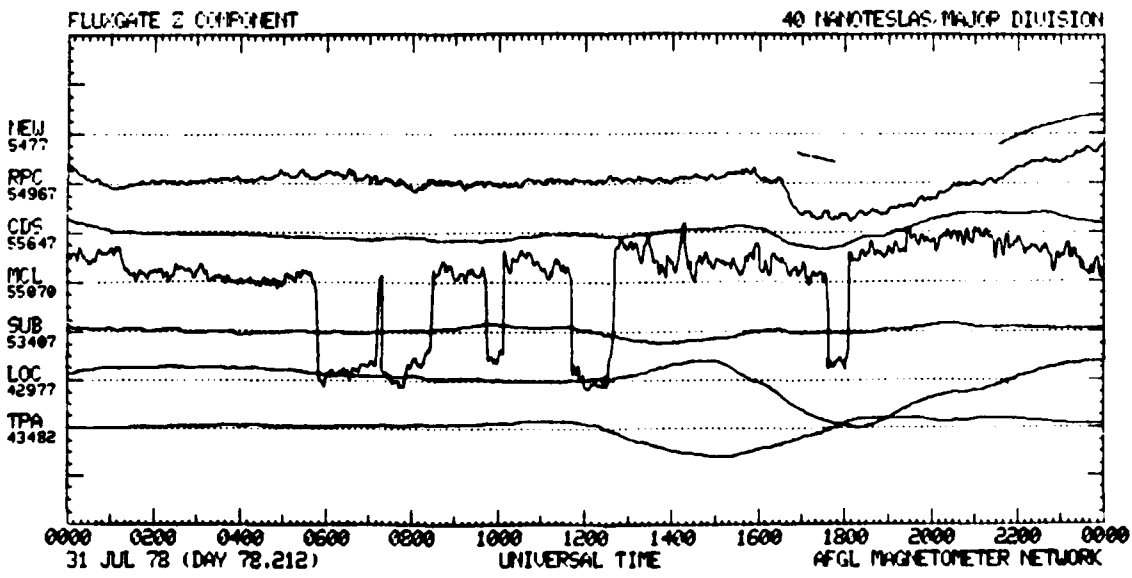
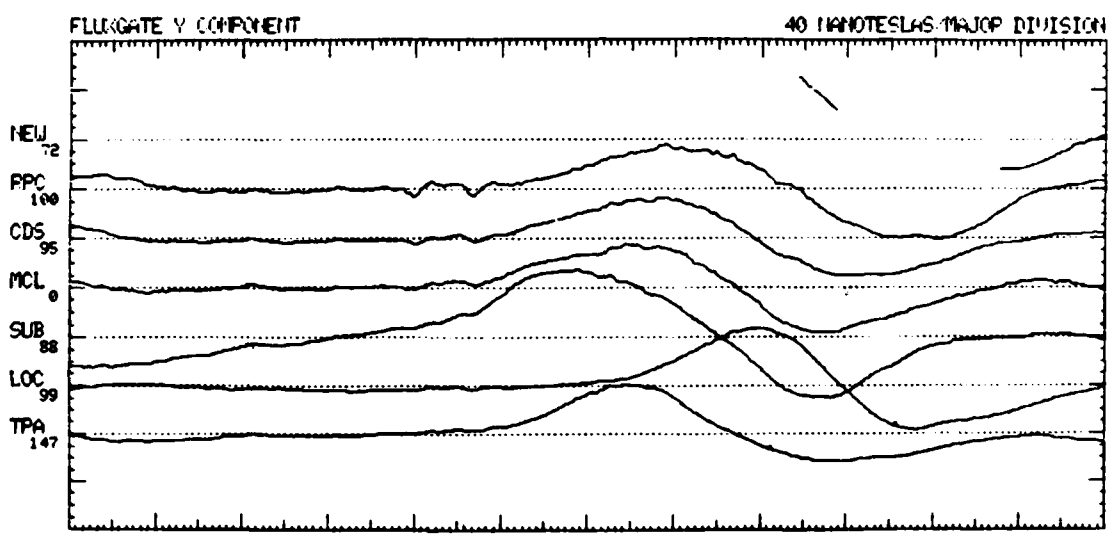
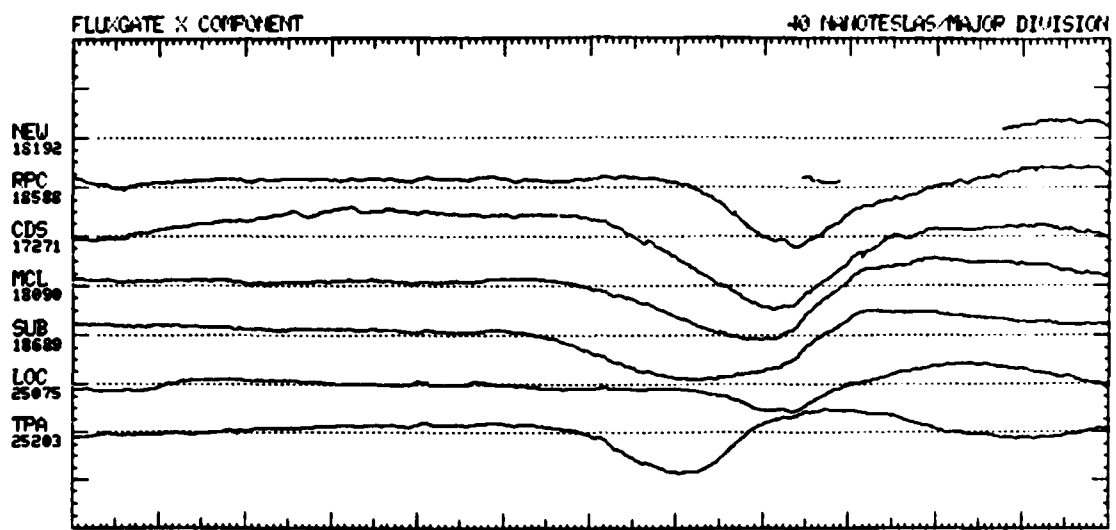
FLIGHTGATE Z COMPONENT

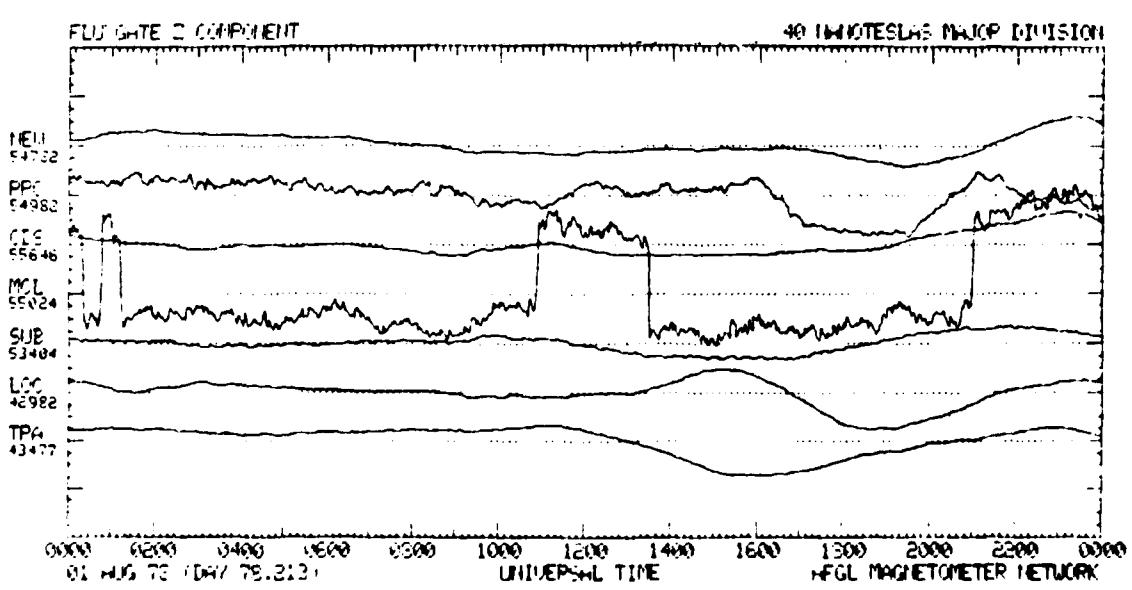
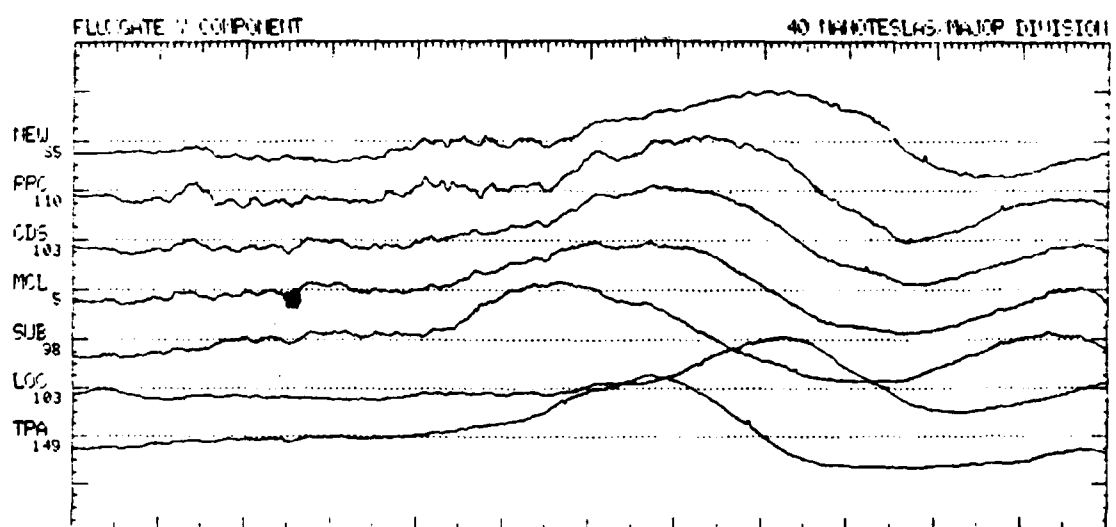
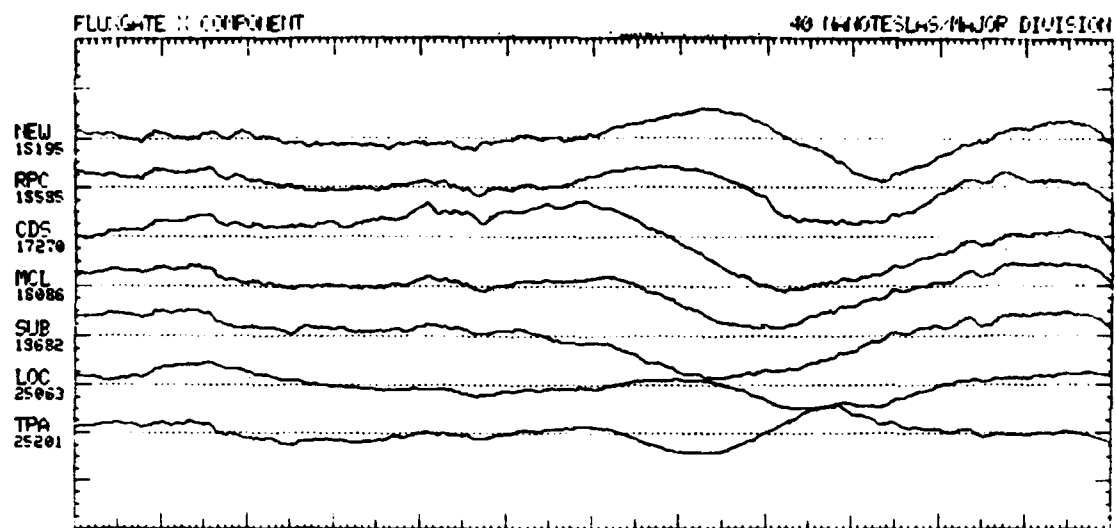
40 NANOTESLAS/MAJOR DIVISION

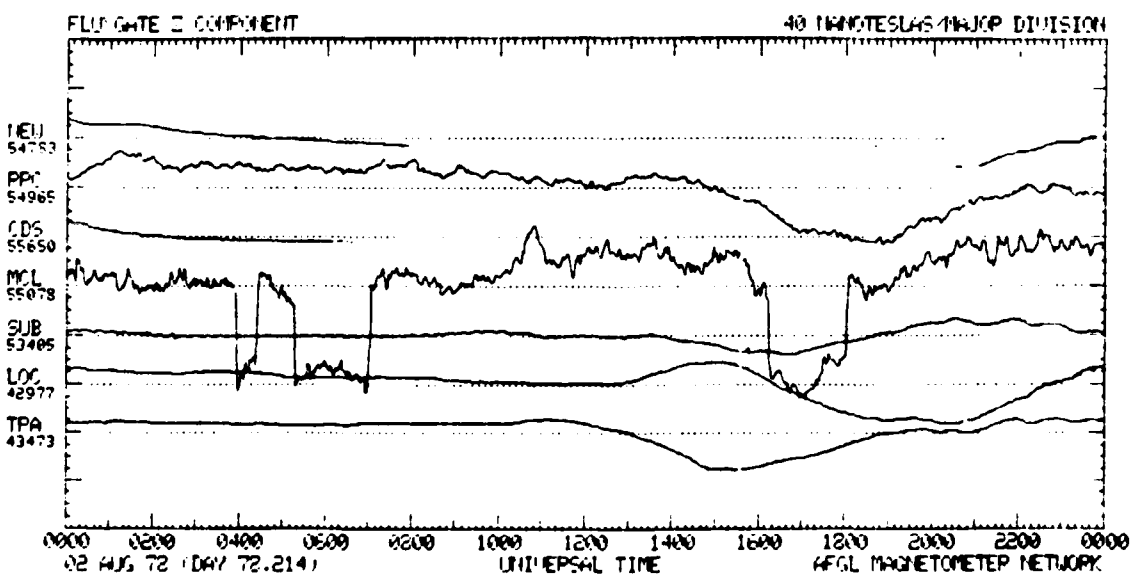
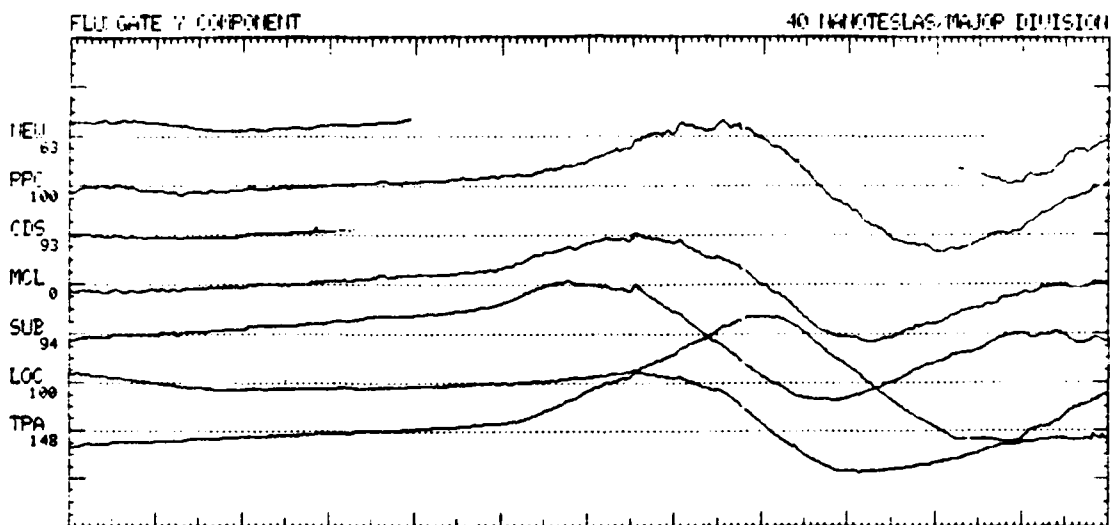
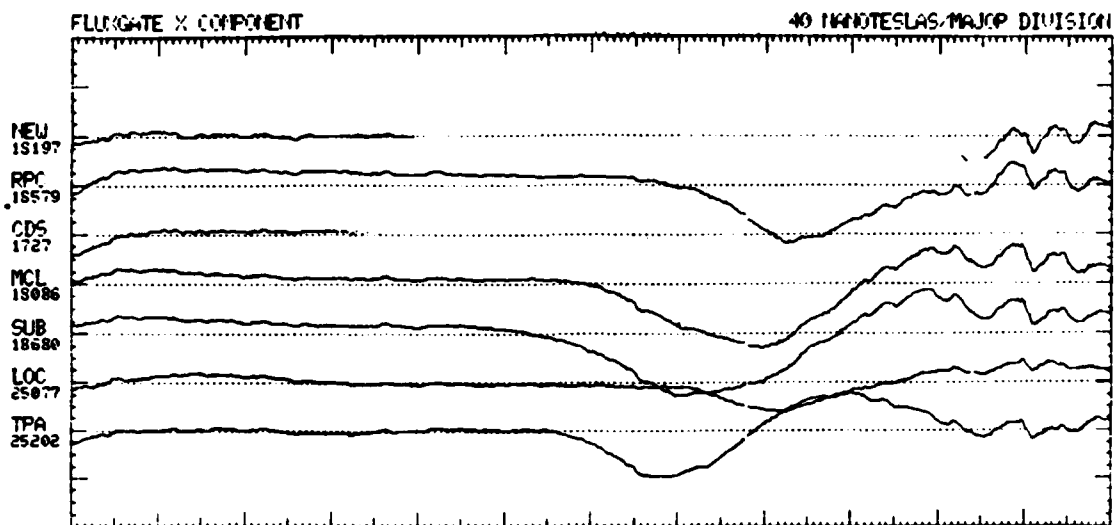
NEW
54789
PPC
54962
CDS
55647
MCL
55096
SUB
53412
LOC
42978
TPA
43477

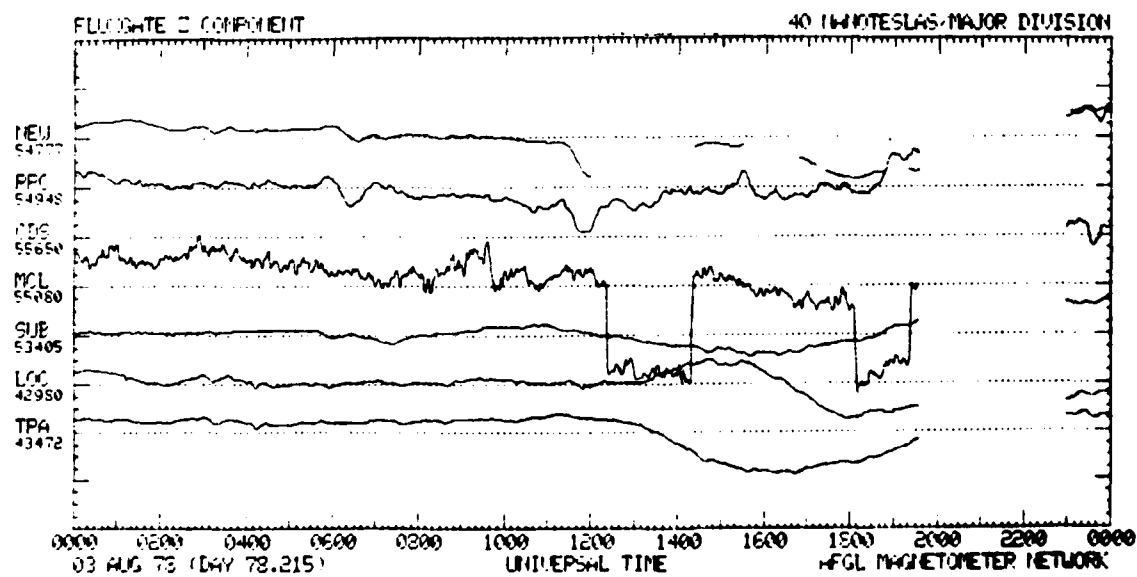
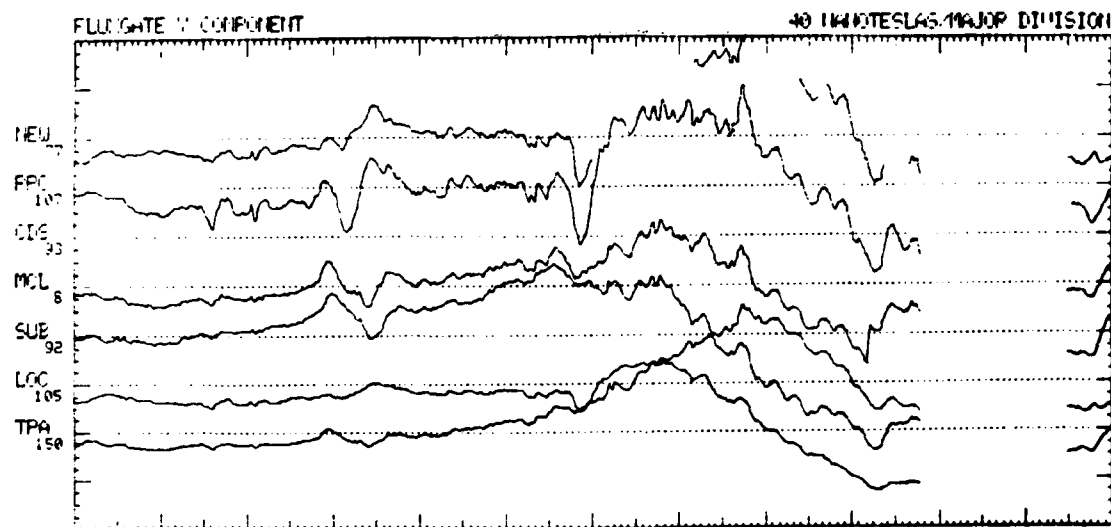
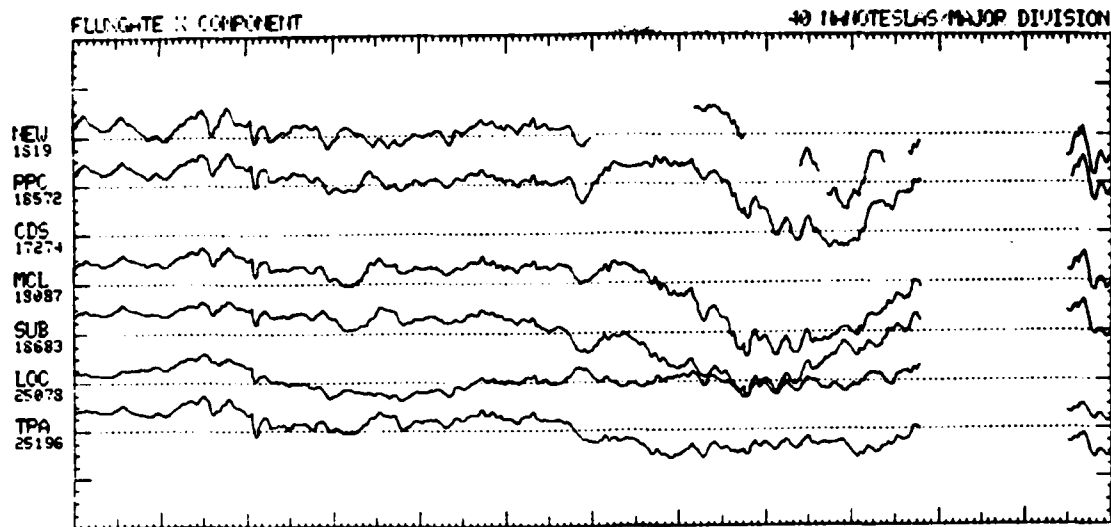


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30 JUL 73 (DAY 78.211) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



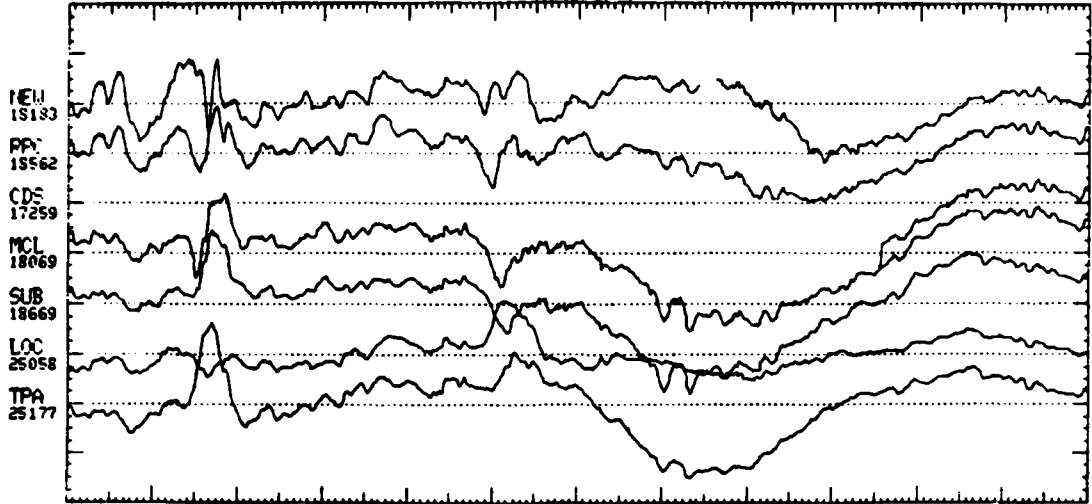






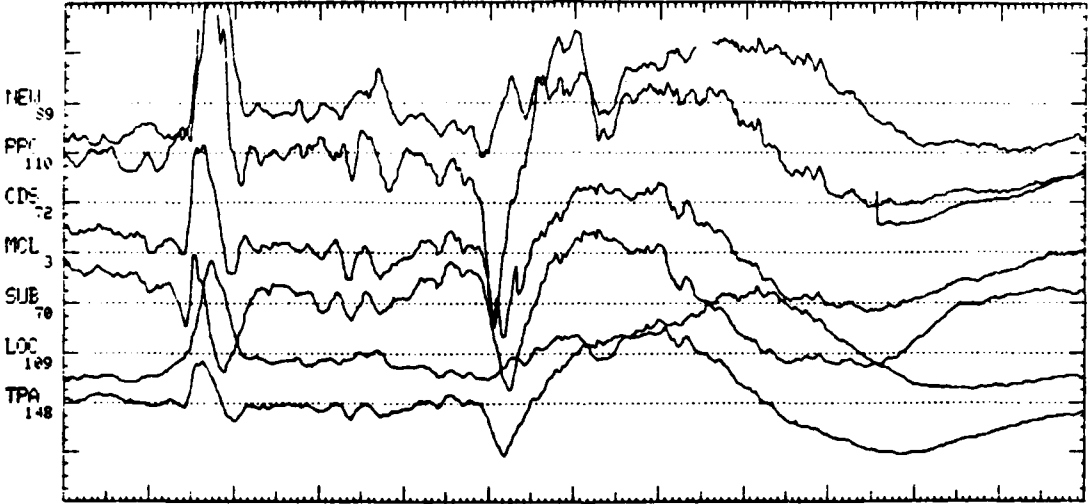
FLIGHTLINE COMPONENT

40 NANOTESLAS MAJOR DIVISION



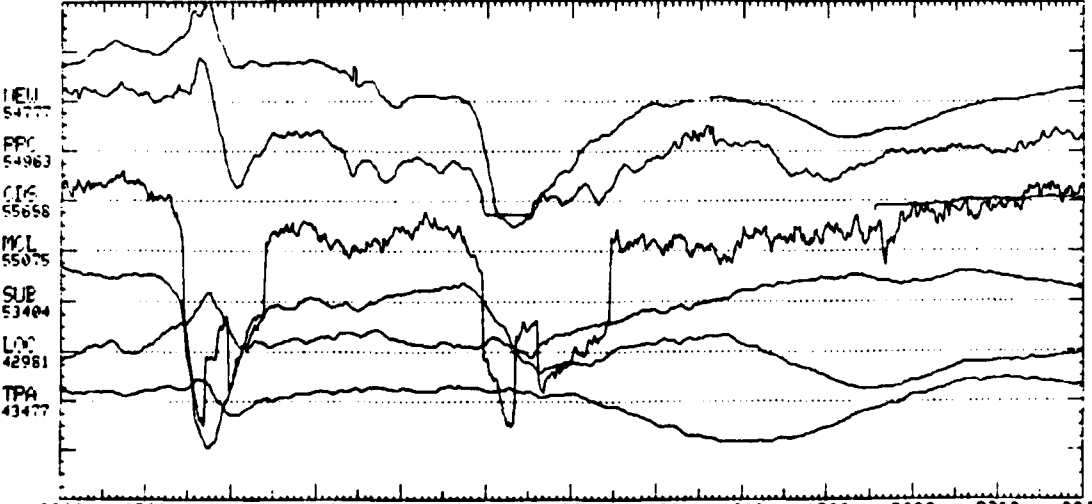
FLIGHTLINE COMPONENT

40 NANOTESLAS MAJOR DIVISION

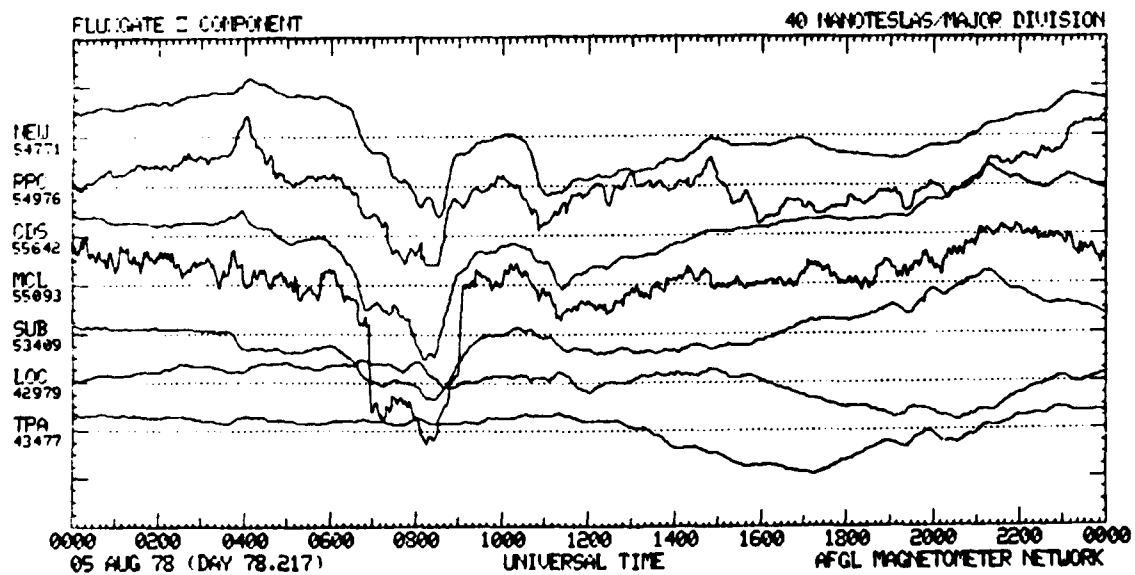
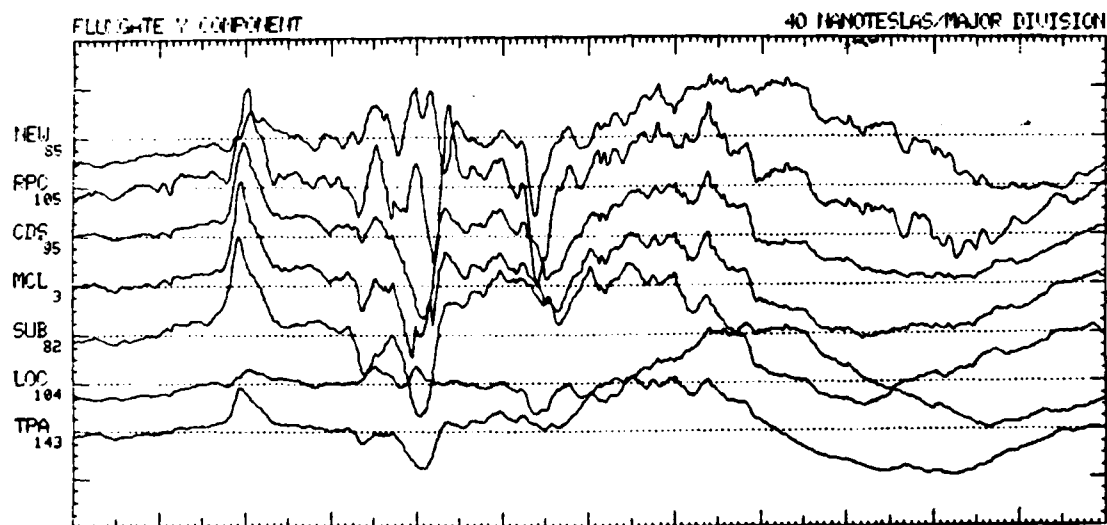
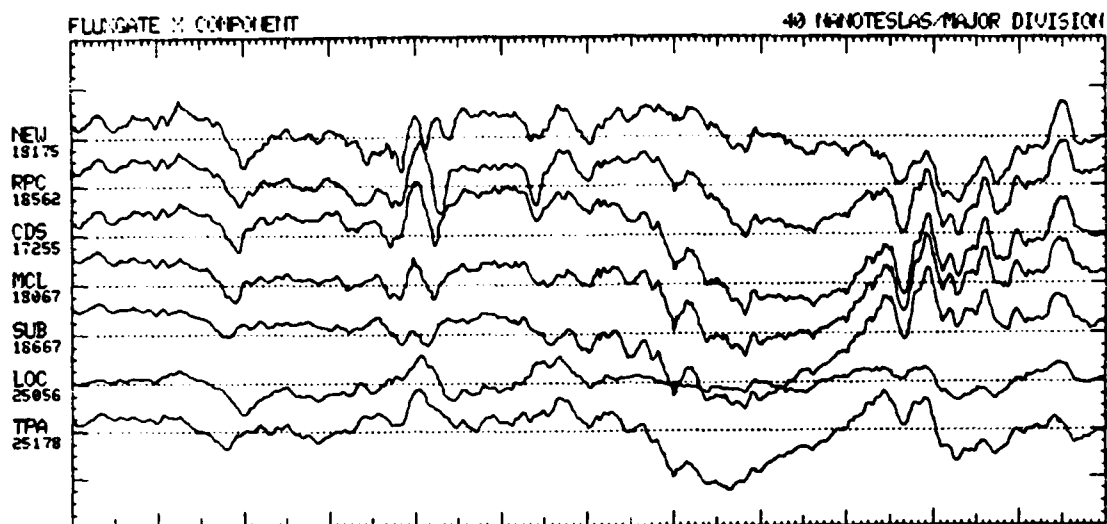


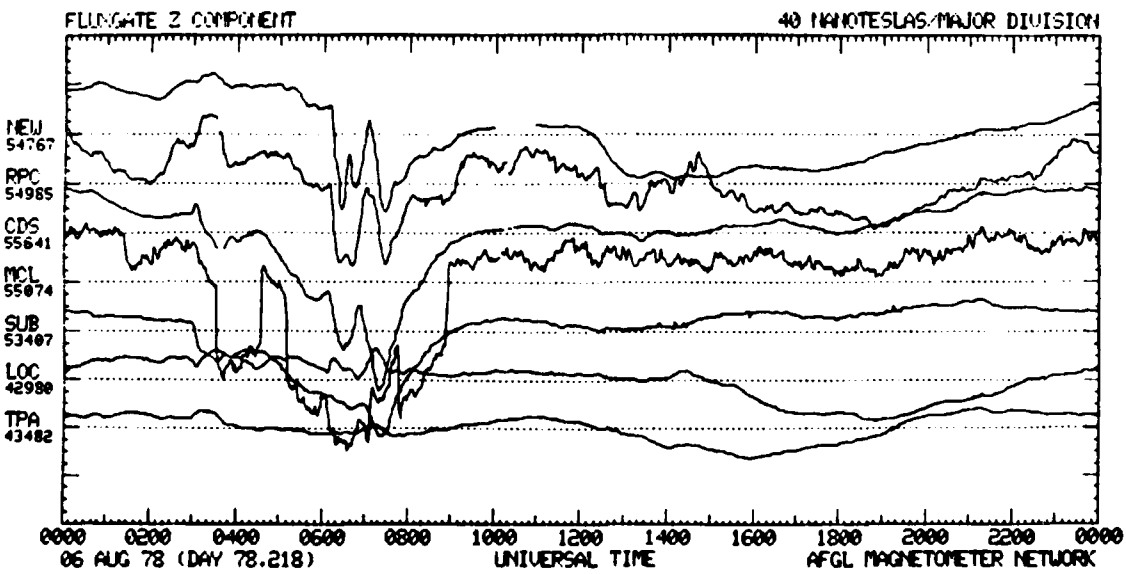
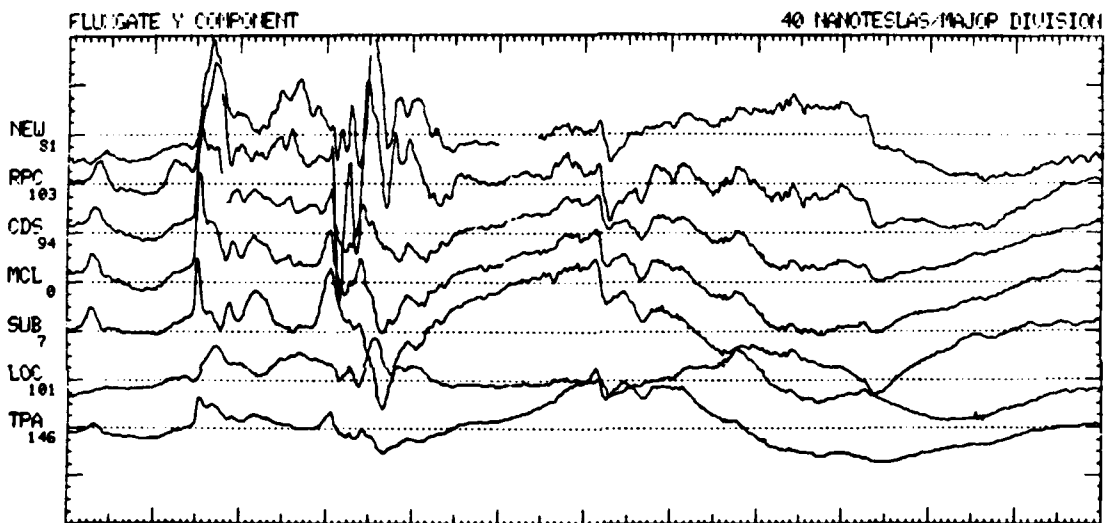
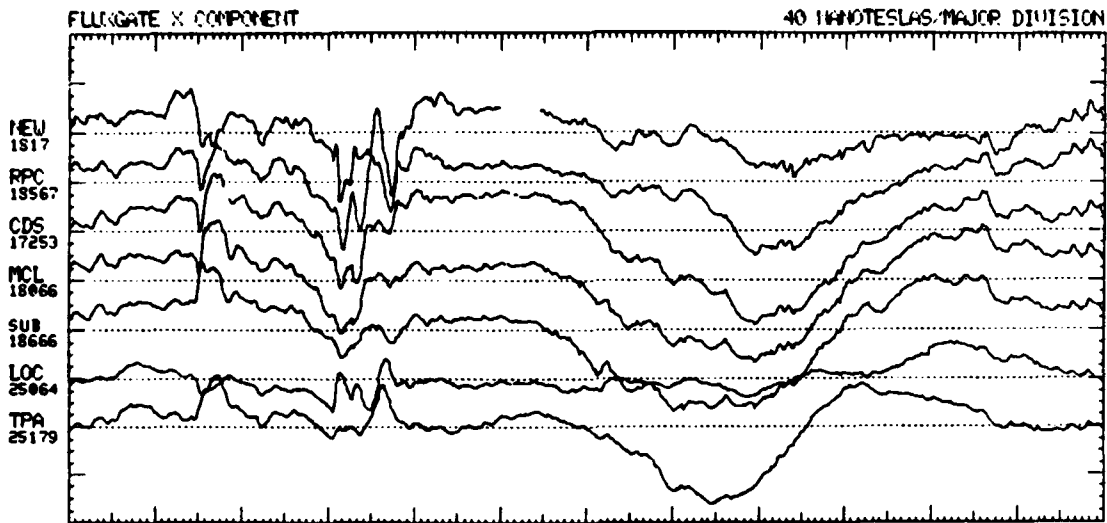
FLIGHTLINE COMPONENT

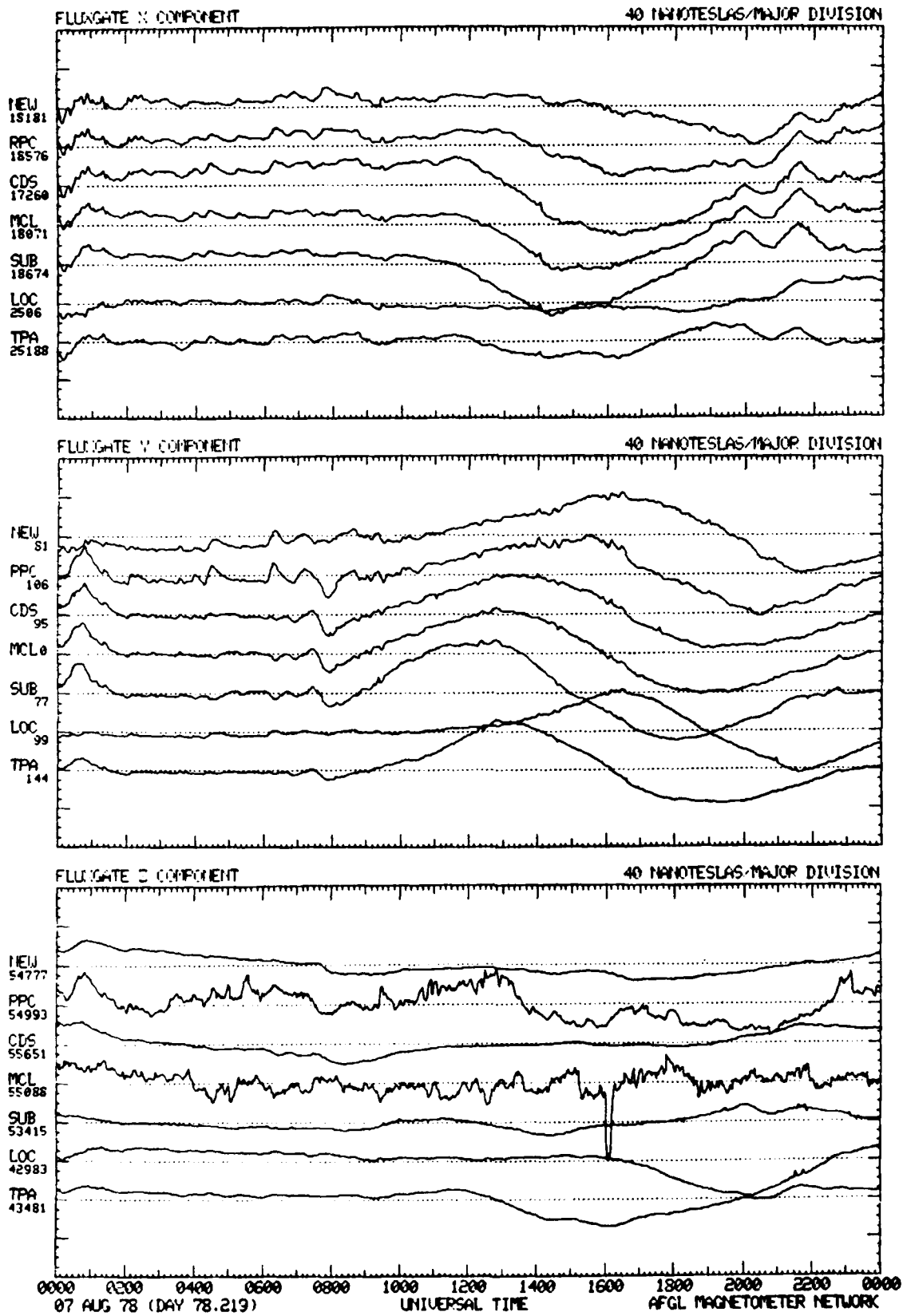
40 NANOTESLAS MAJOR DIVISION

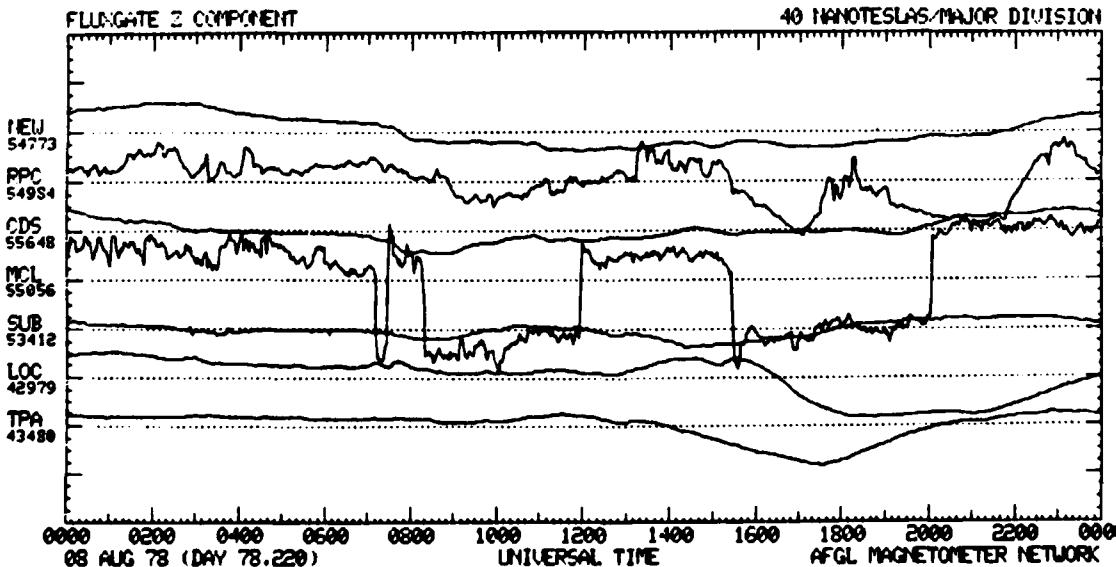
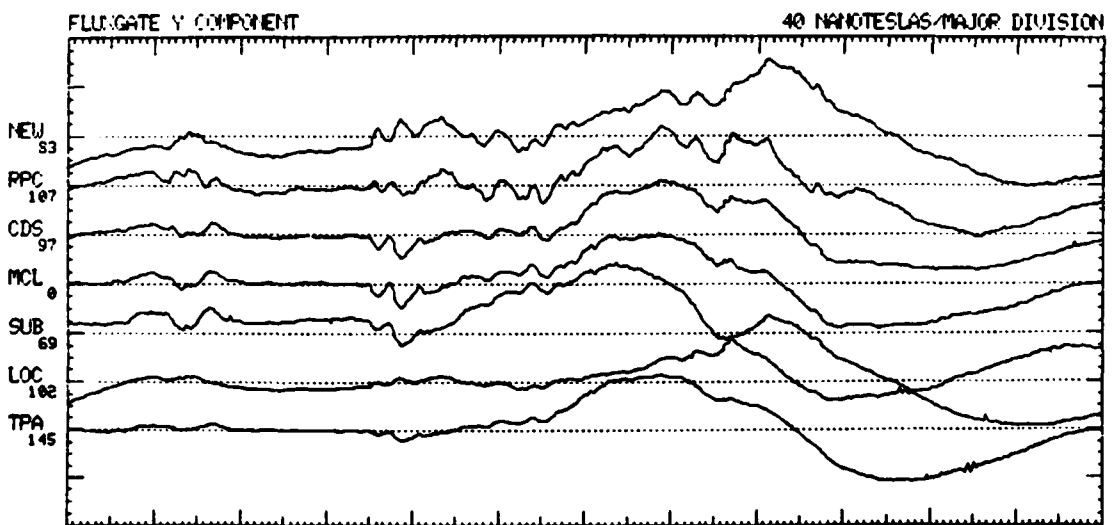
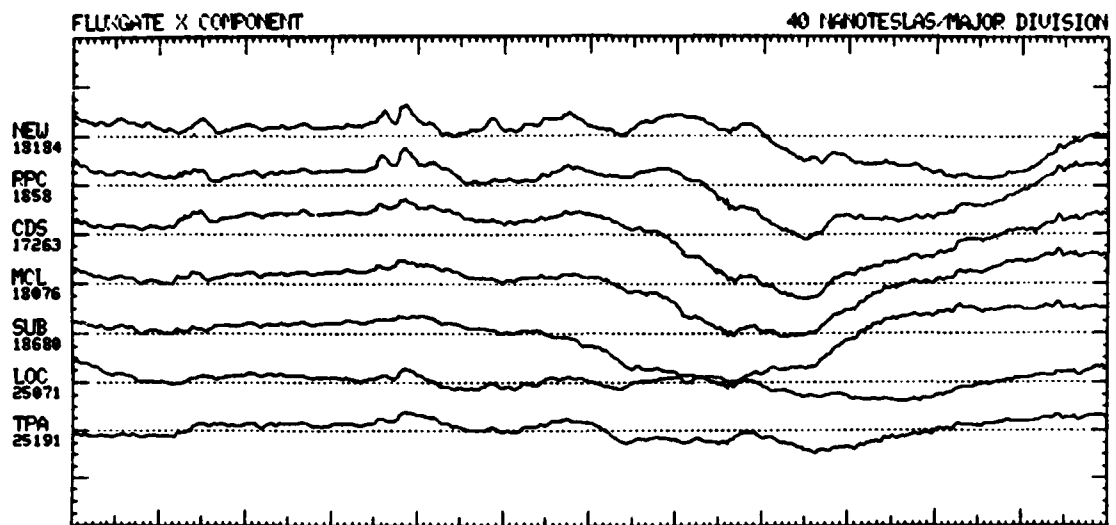


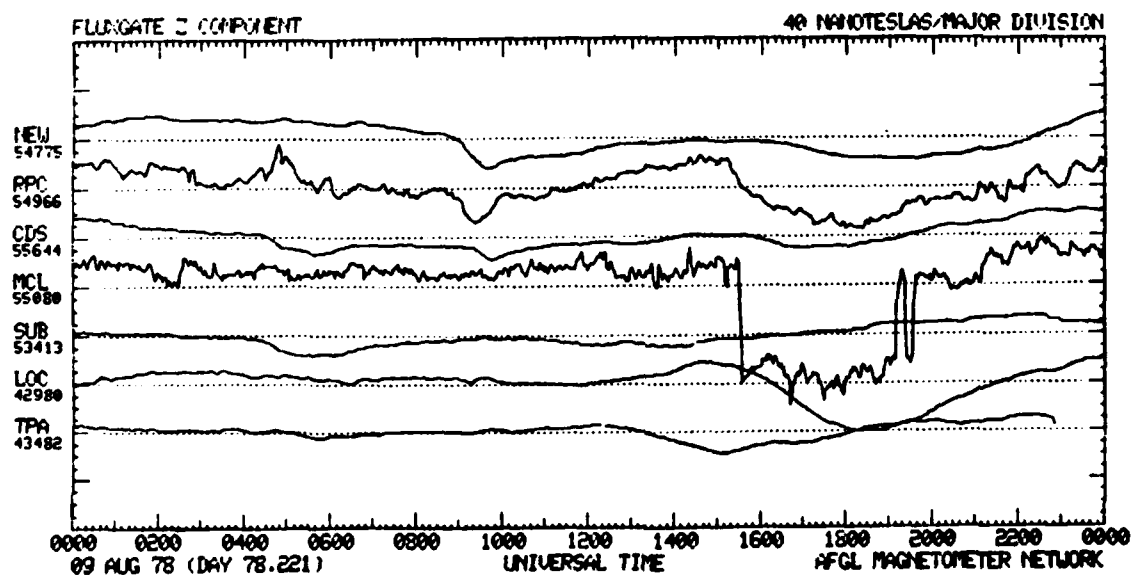
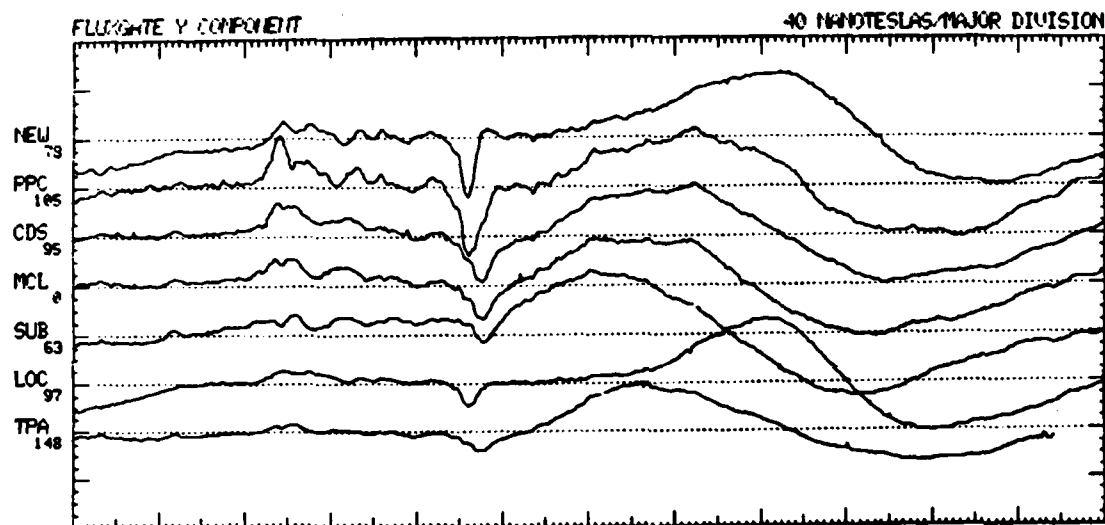
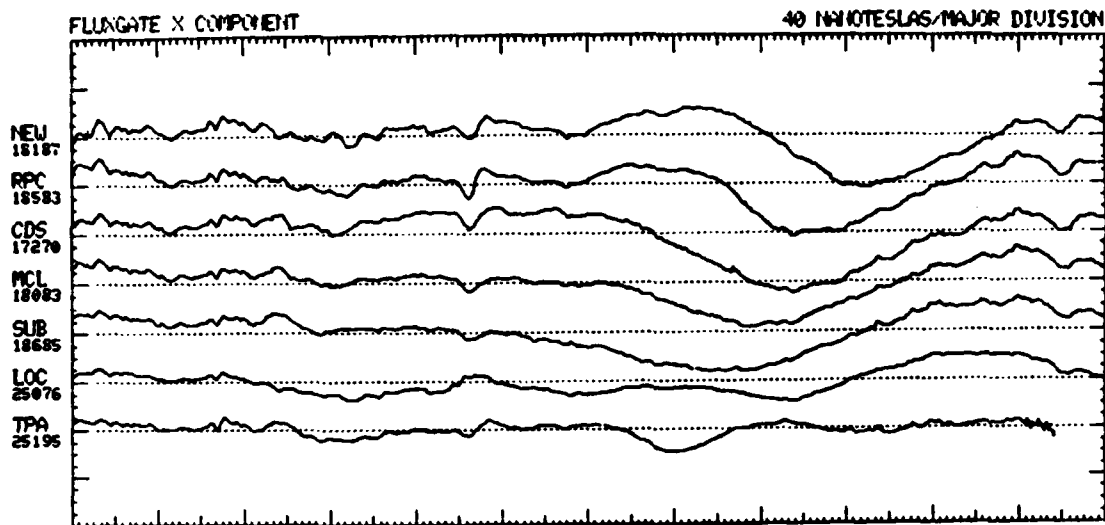
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 04 AUG 73 (DAY 73.216) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

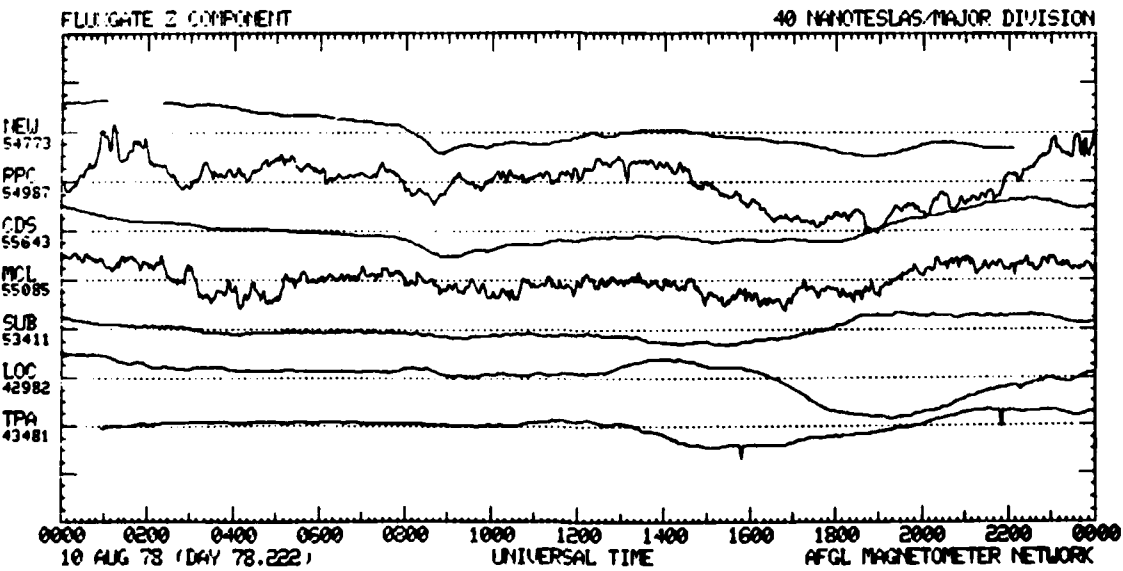
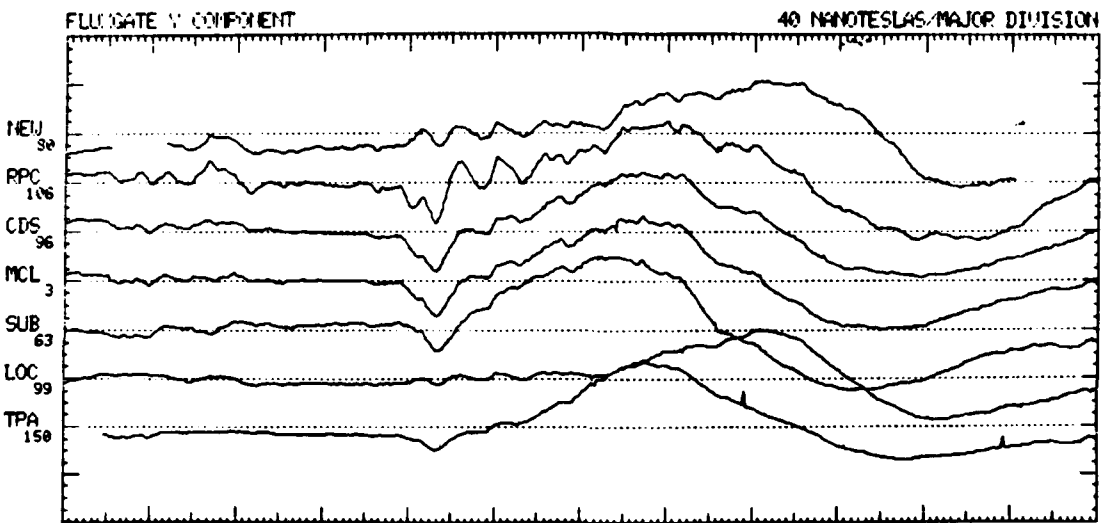
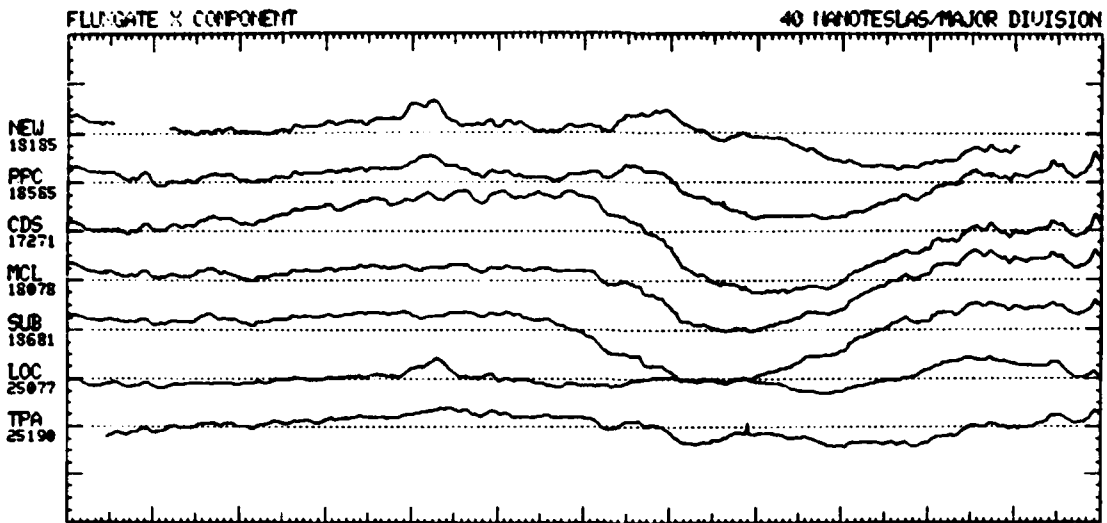






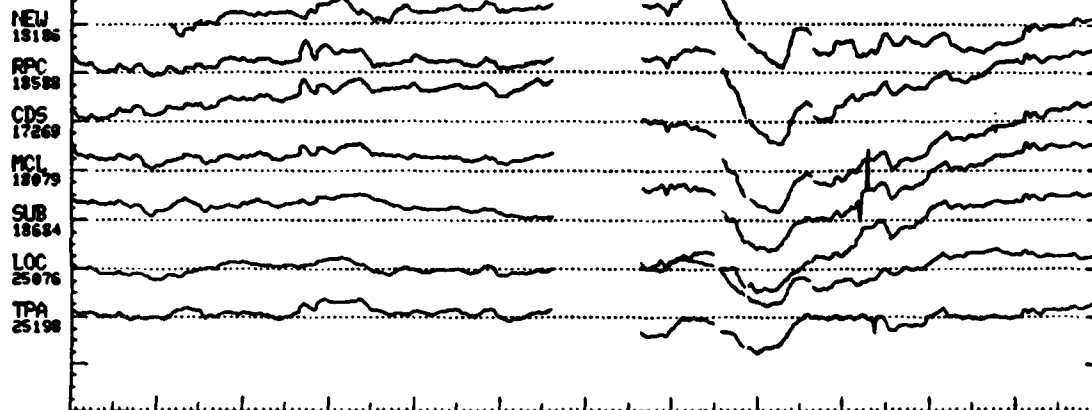






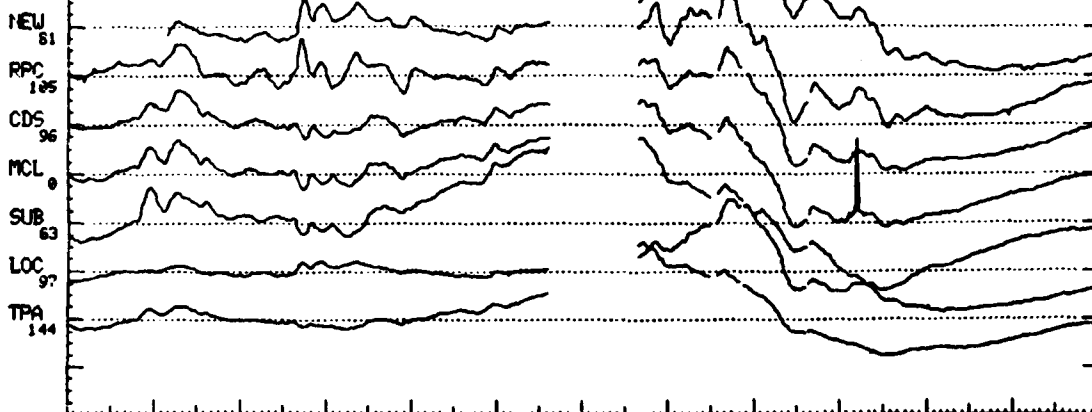
FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



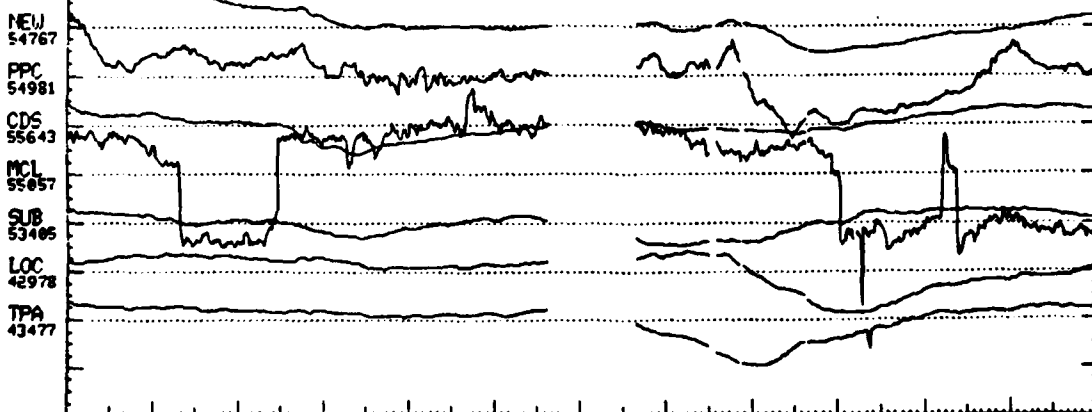
FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

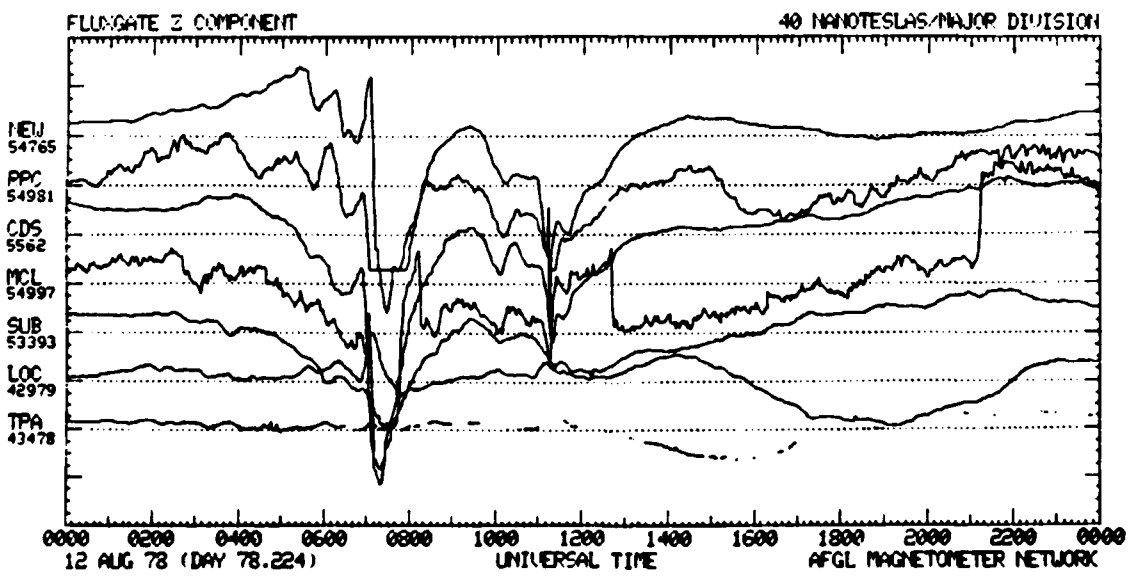
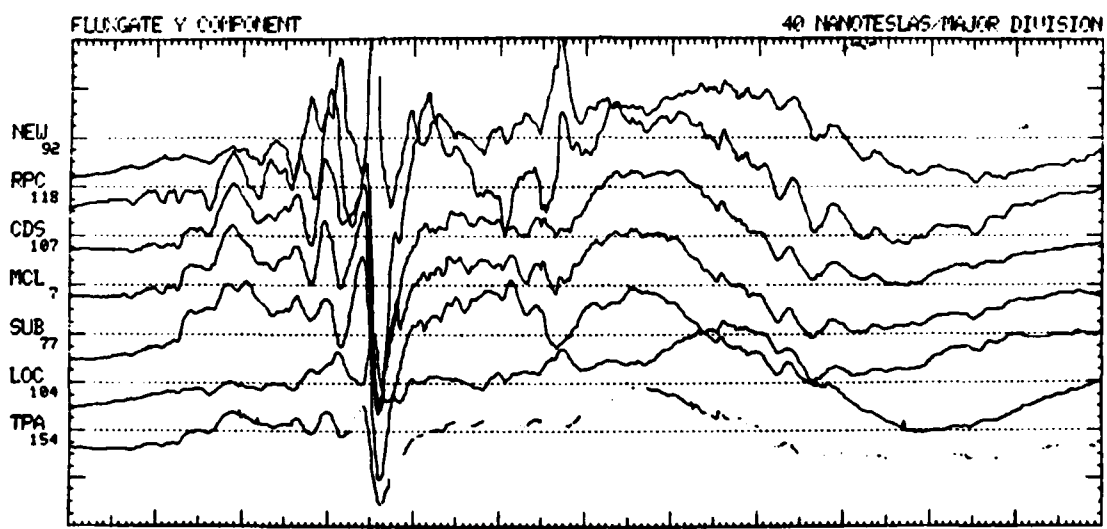
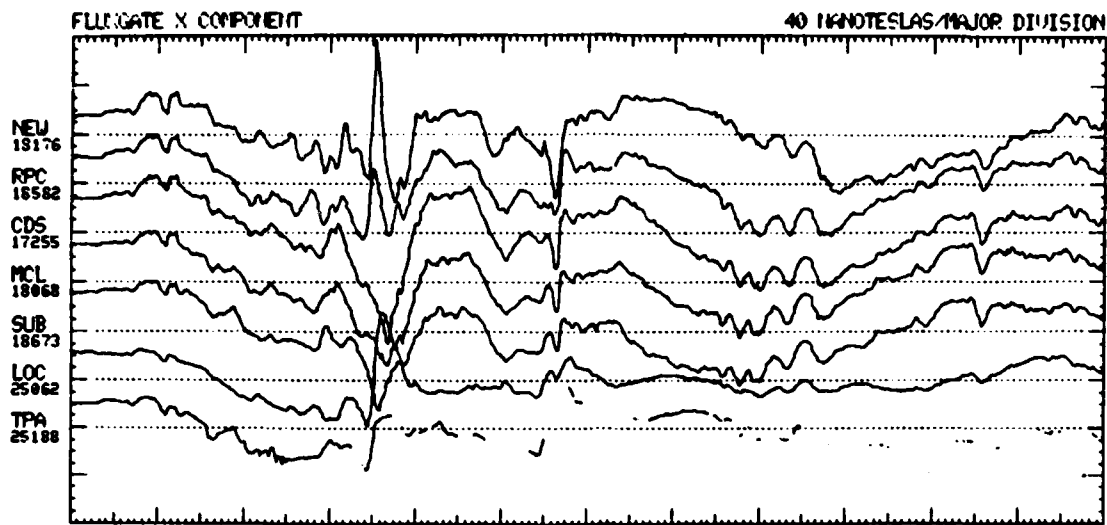


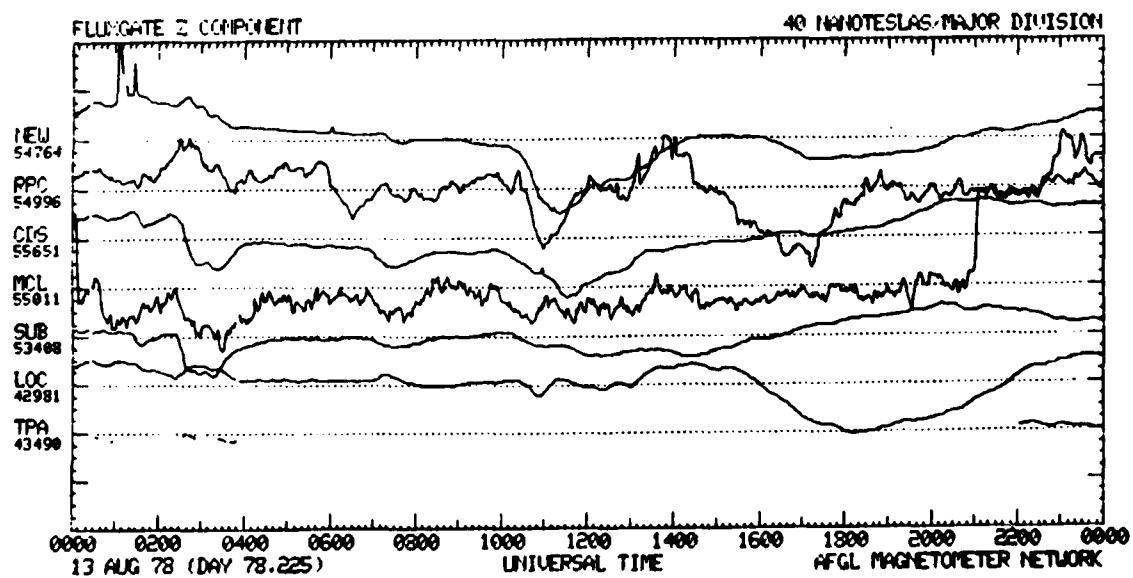
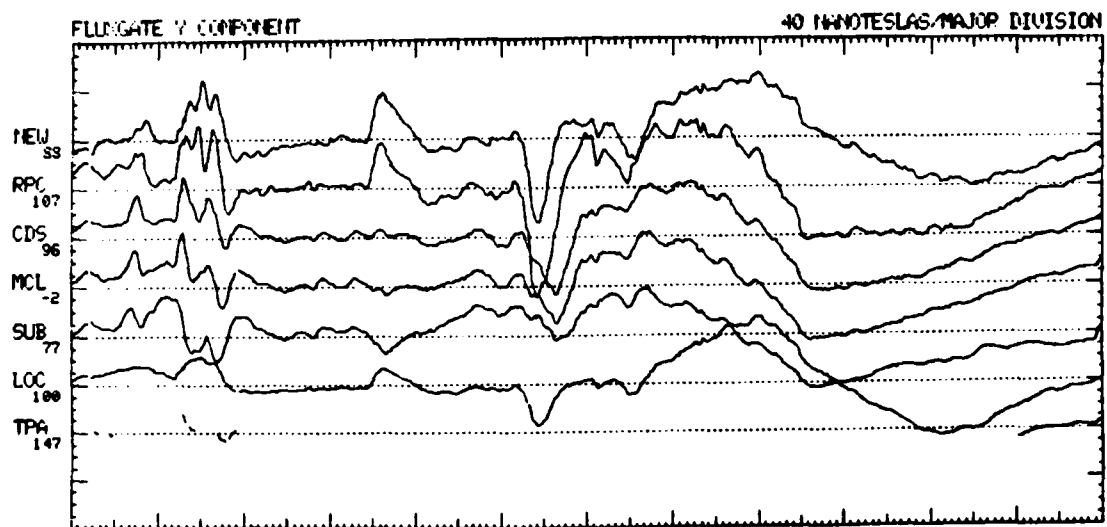
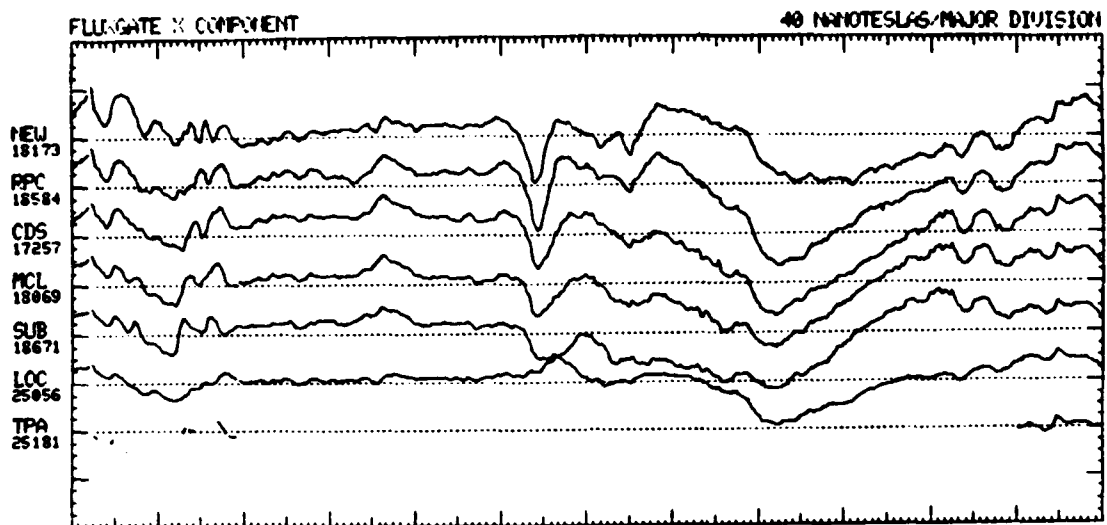
FLIGHTLINE Z COMPONENT

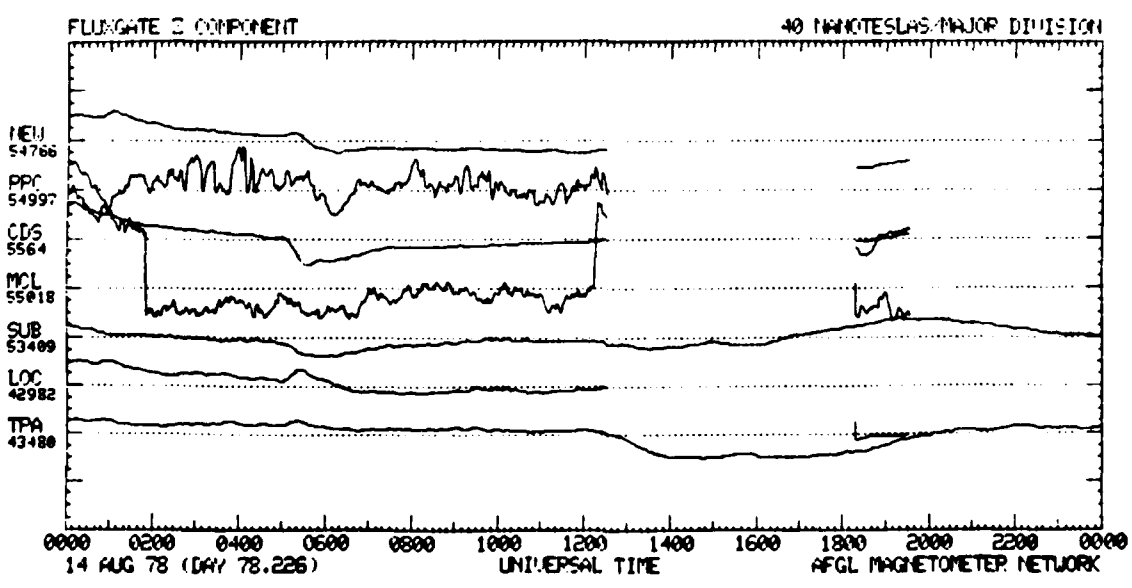
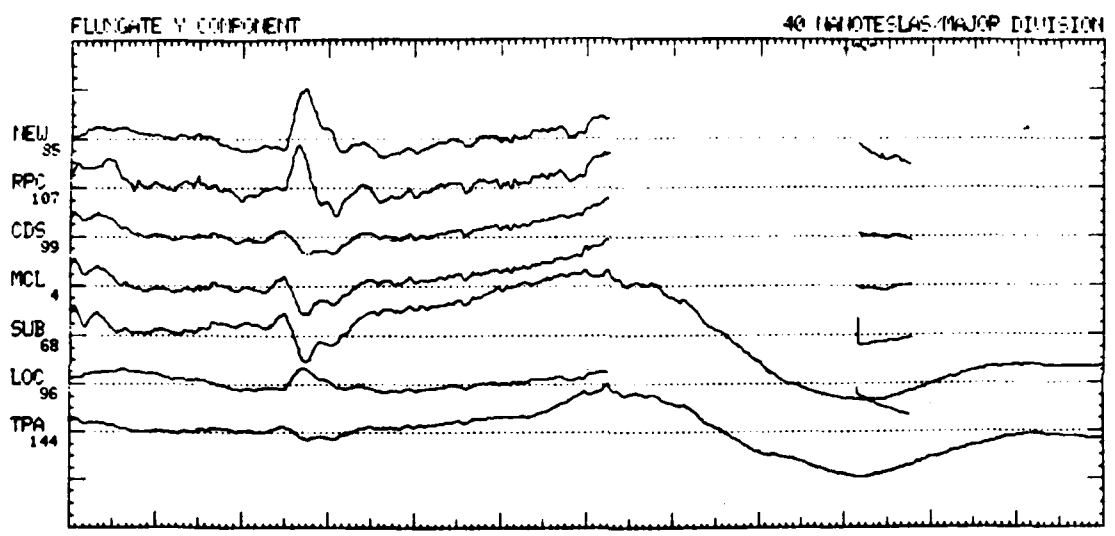
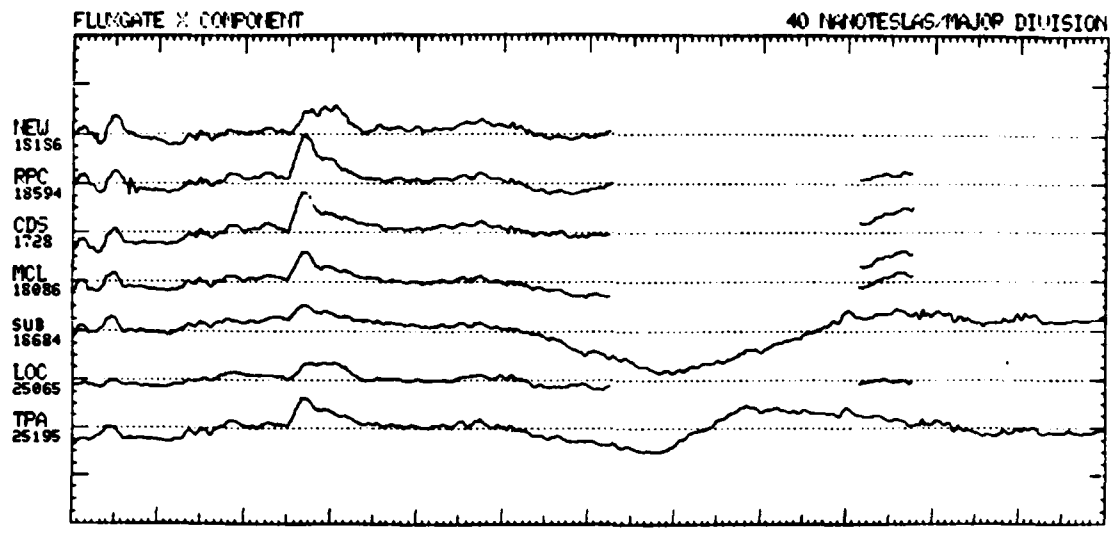
40 NANOTESLAS/MAJOR DIVISION

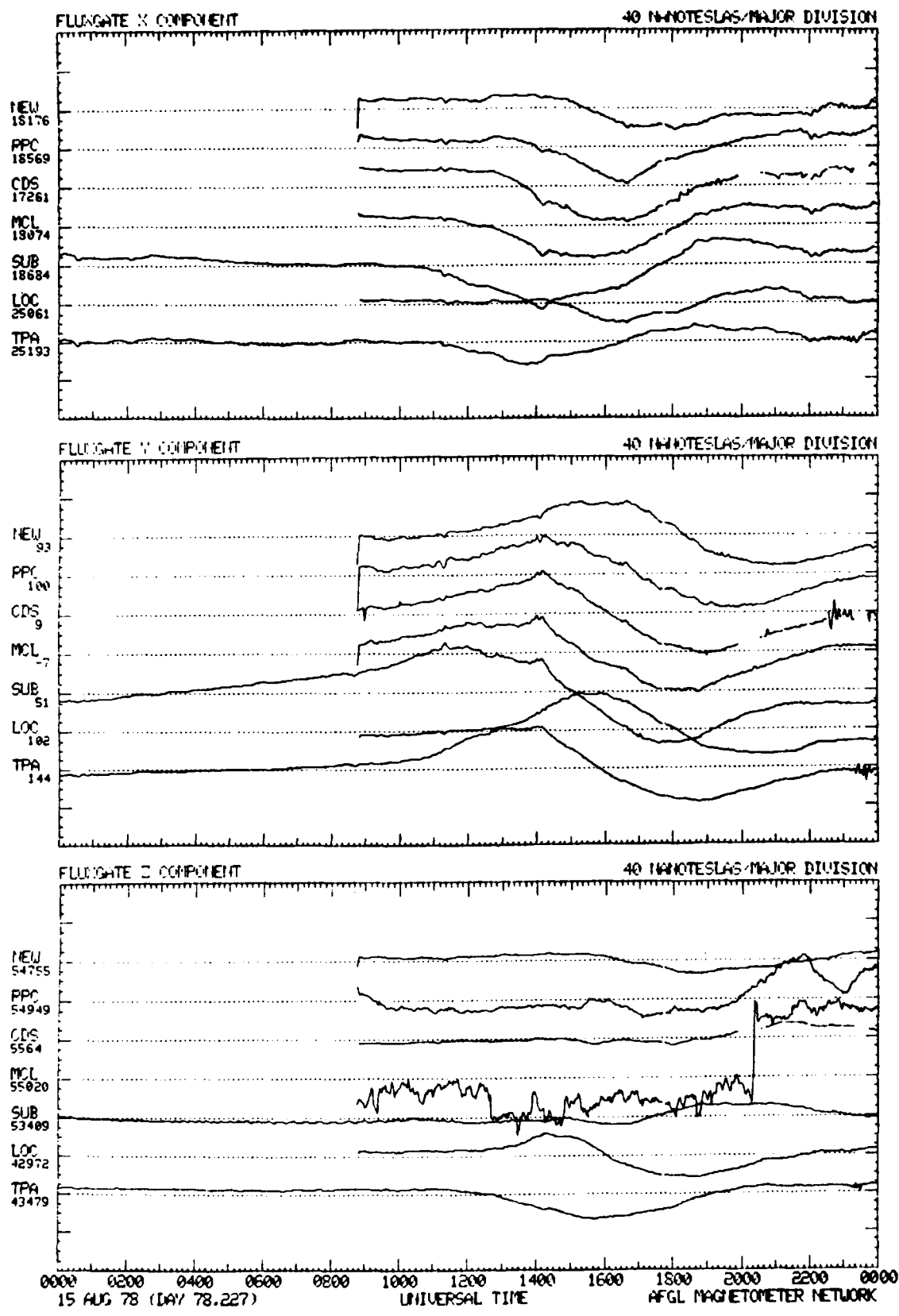


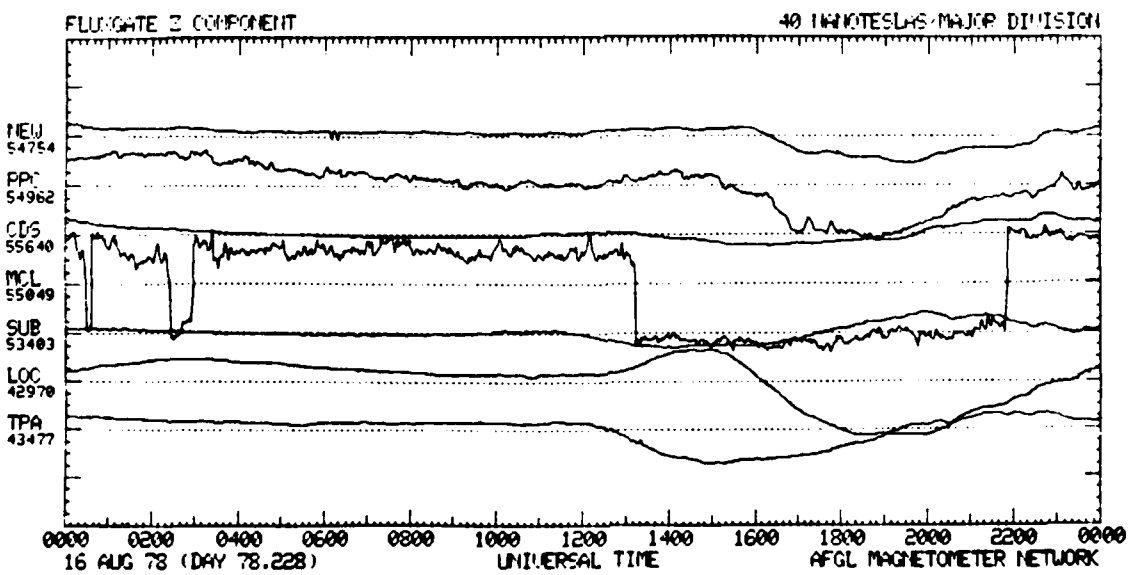
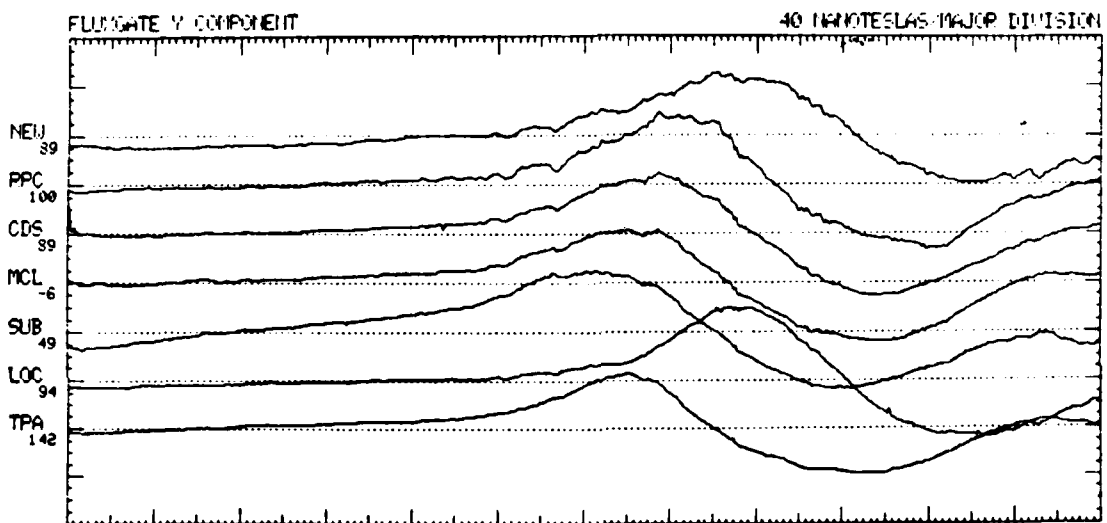
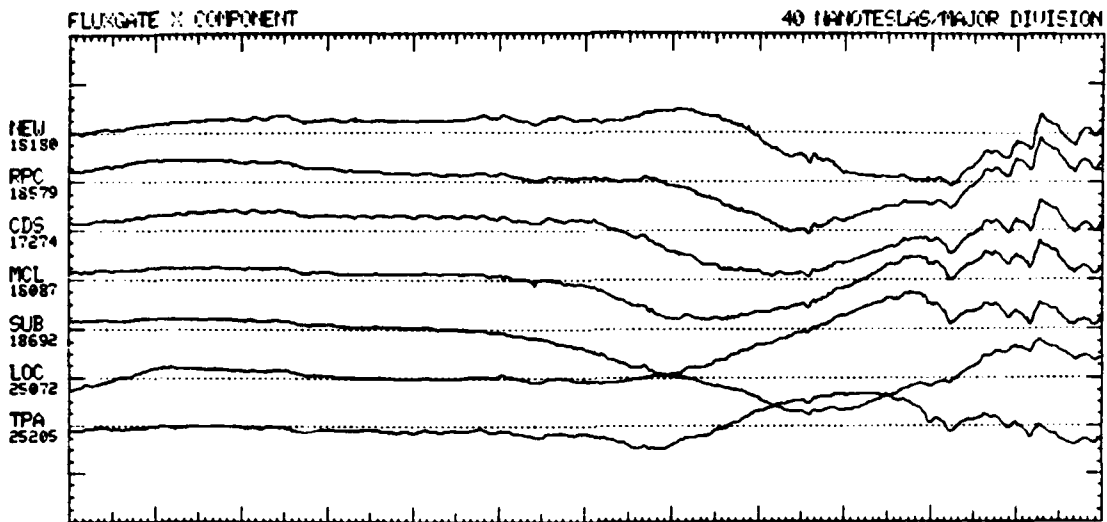
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11 AUG 78 (DAY 78.223) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

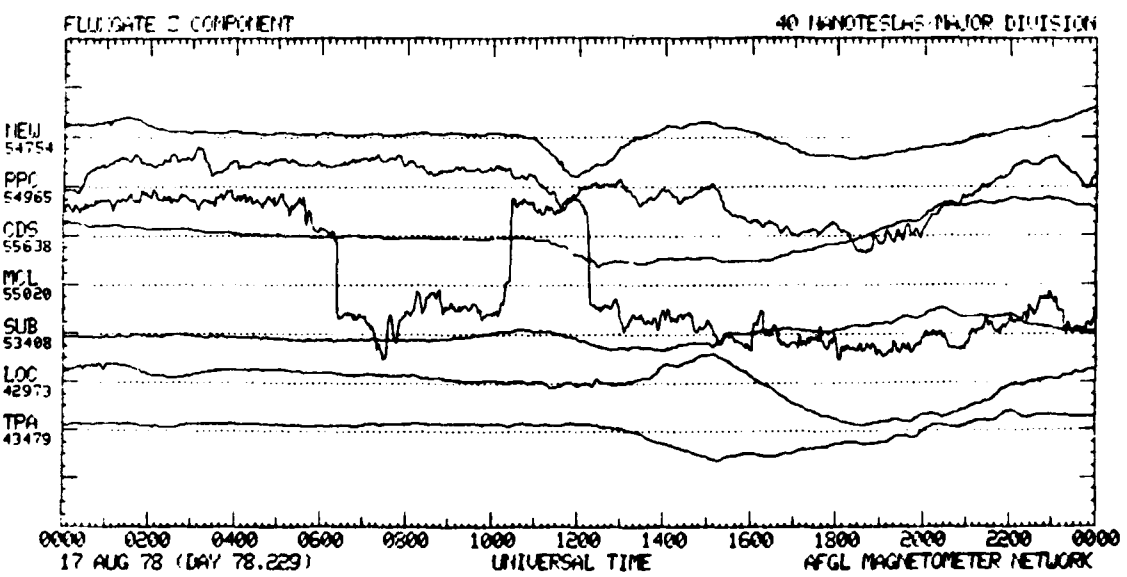
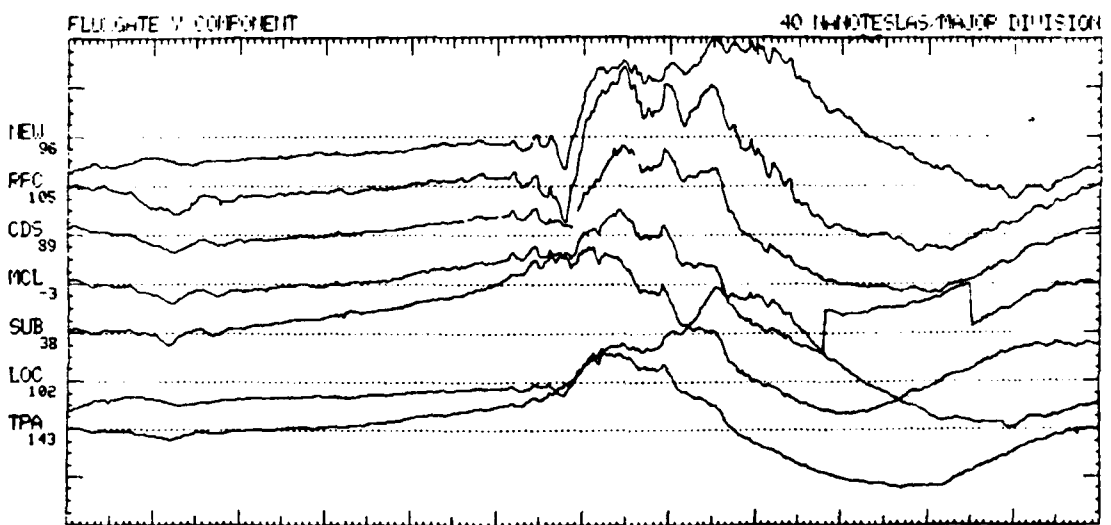
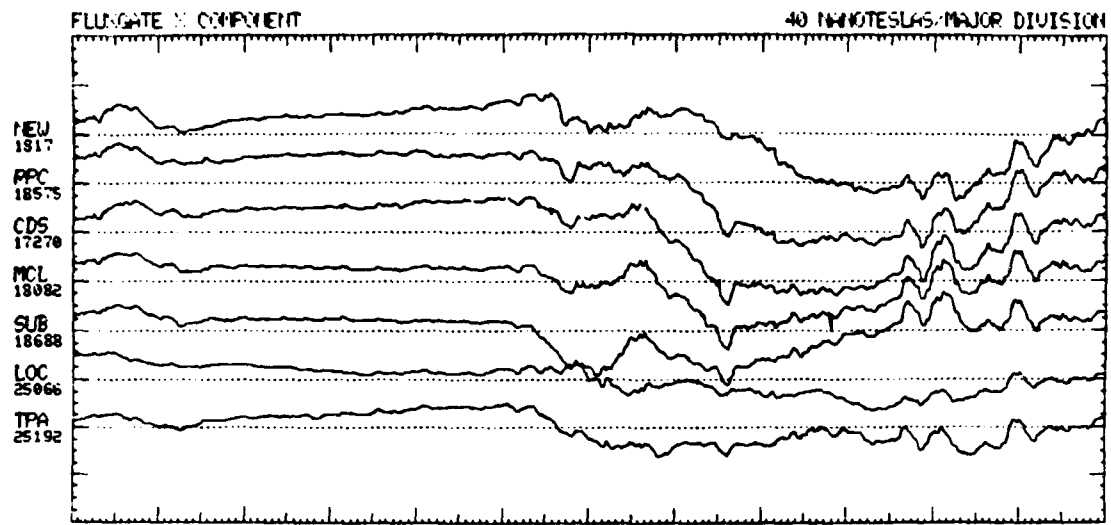


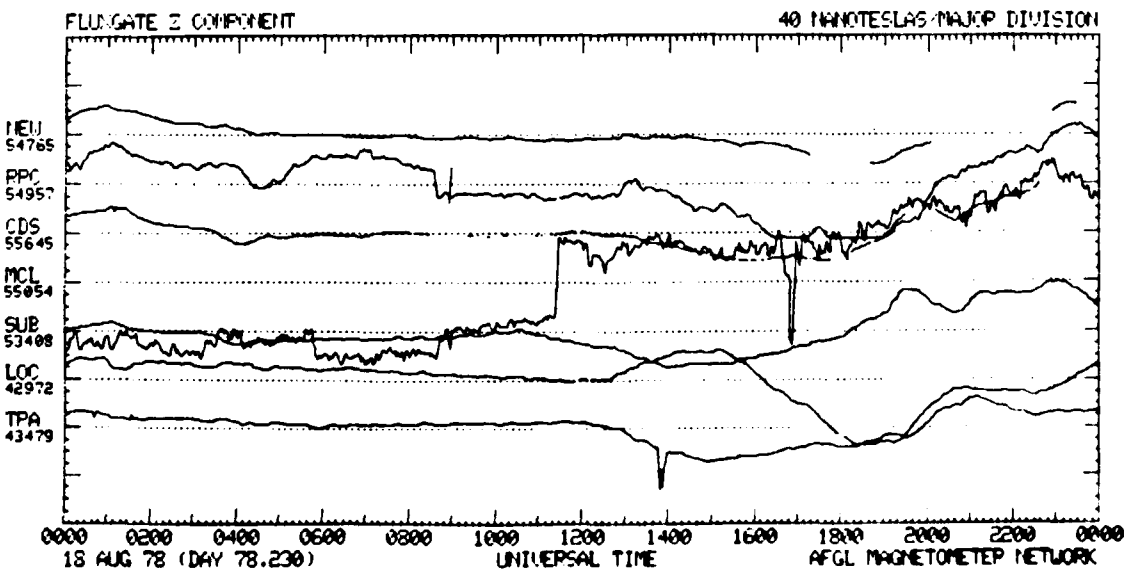
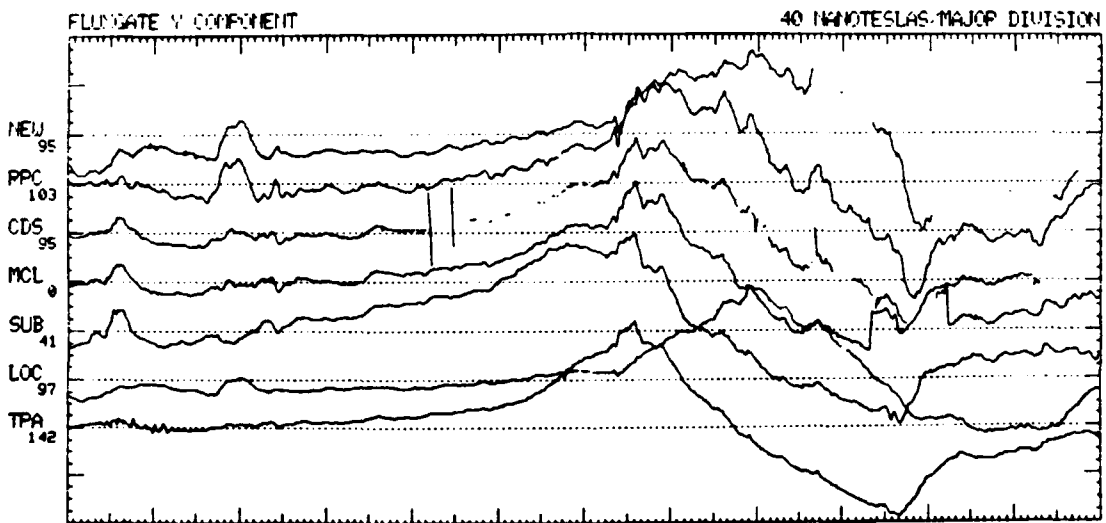
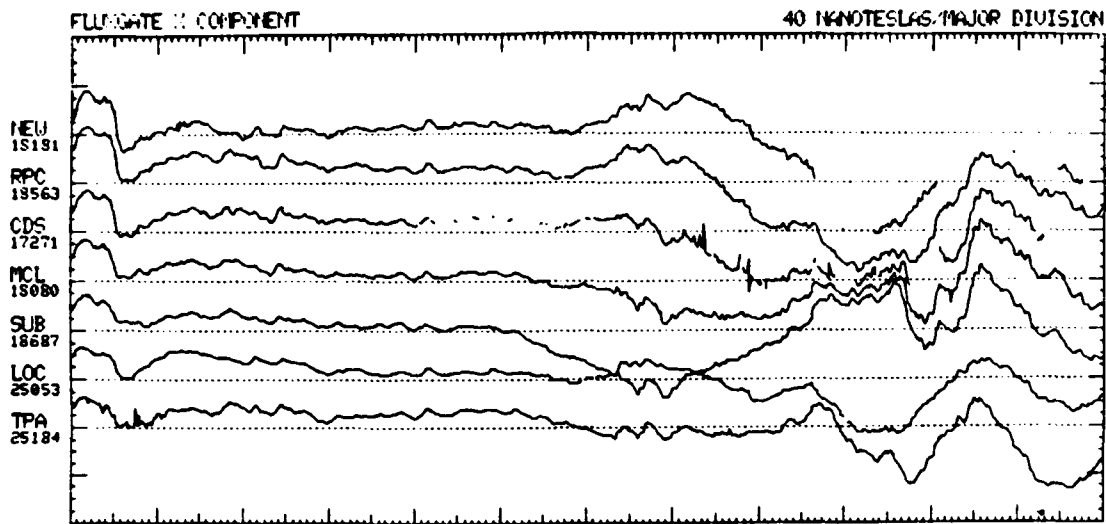


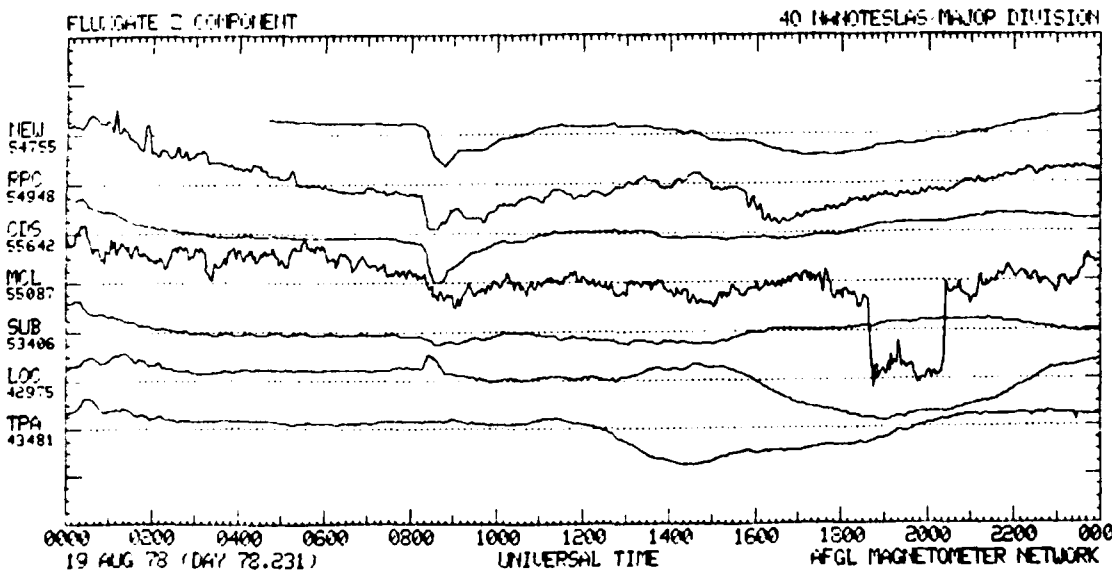
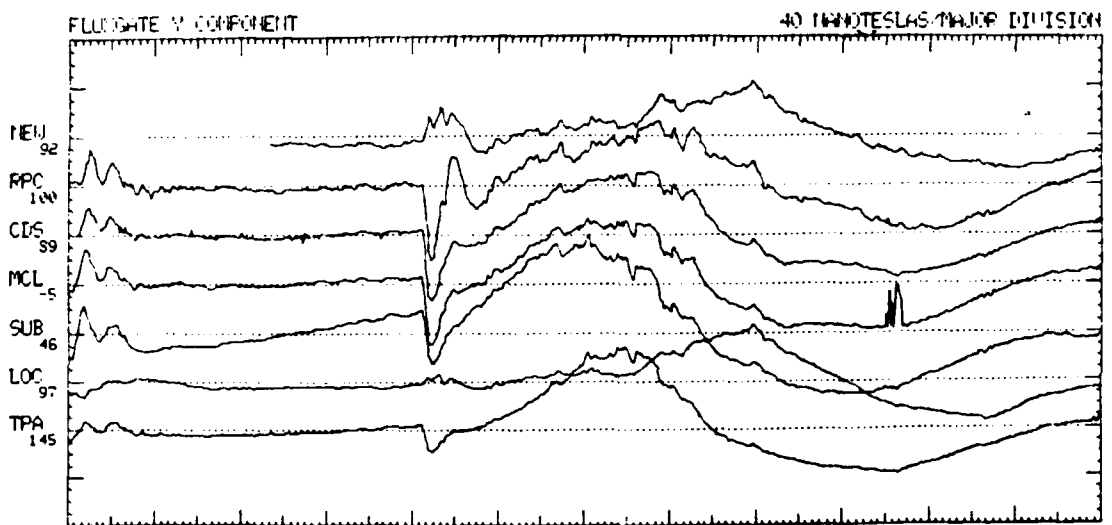
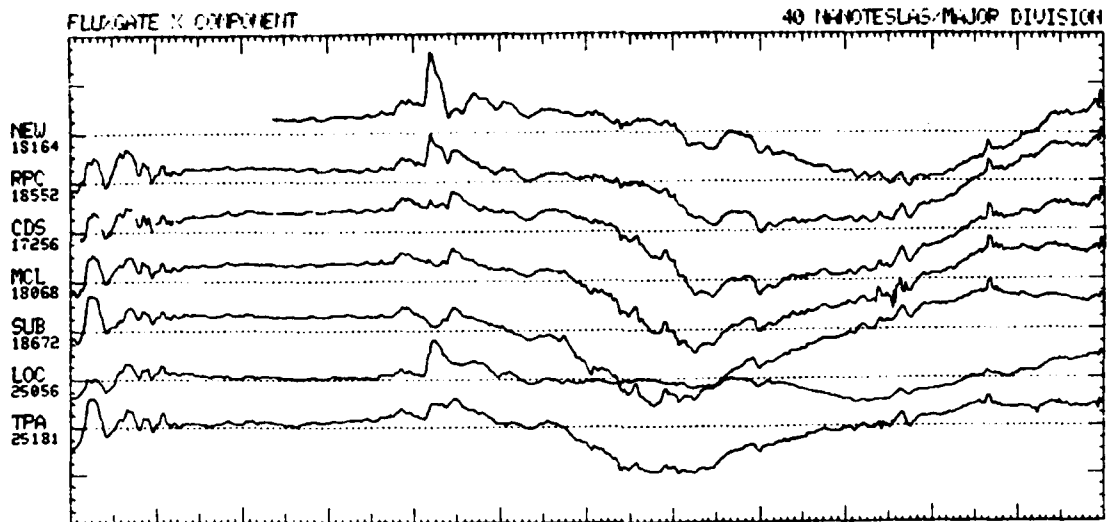


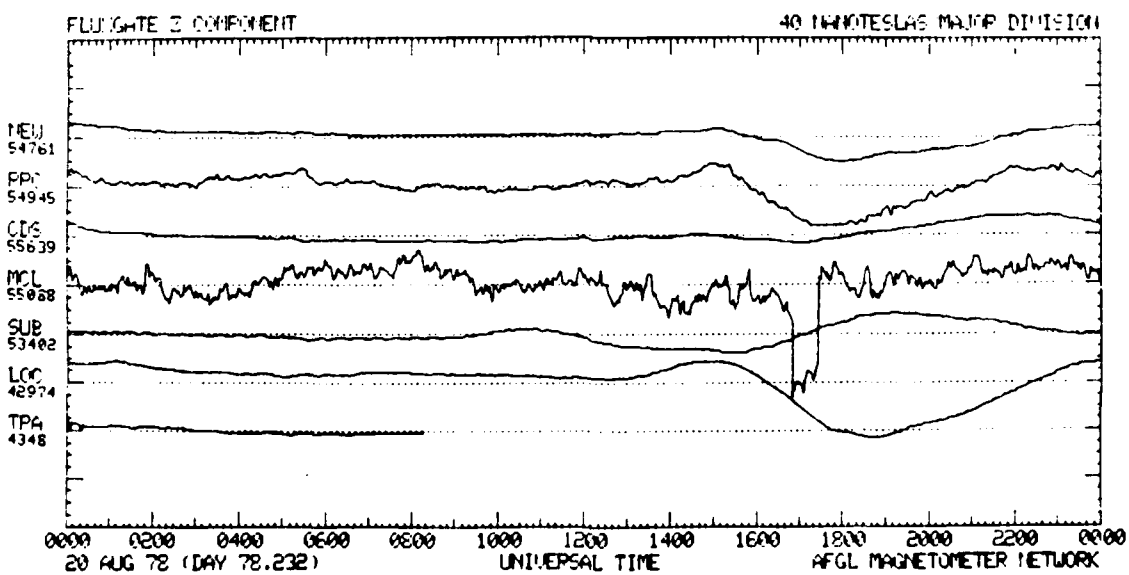
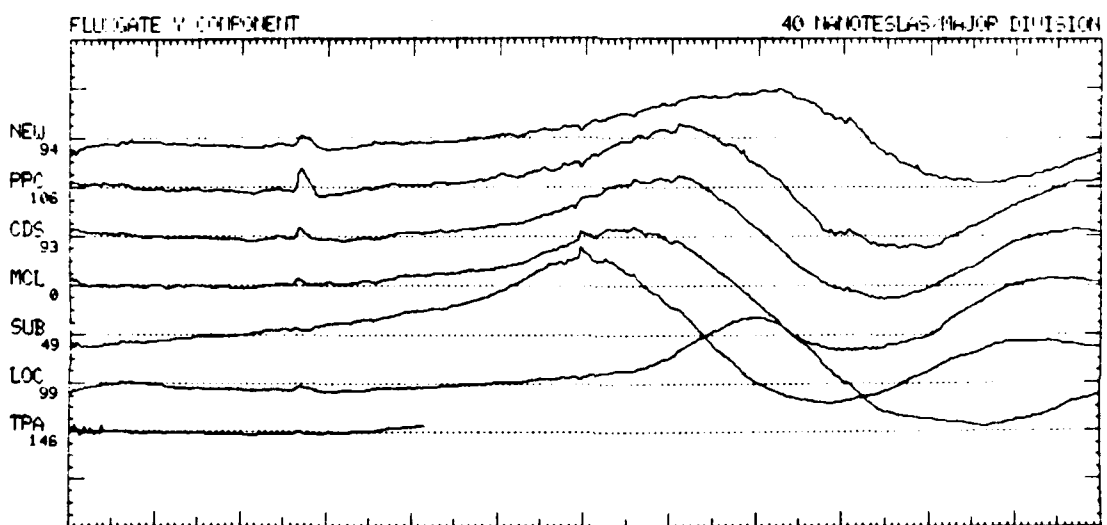
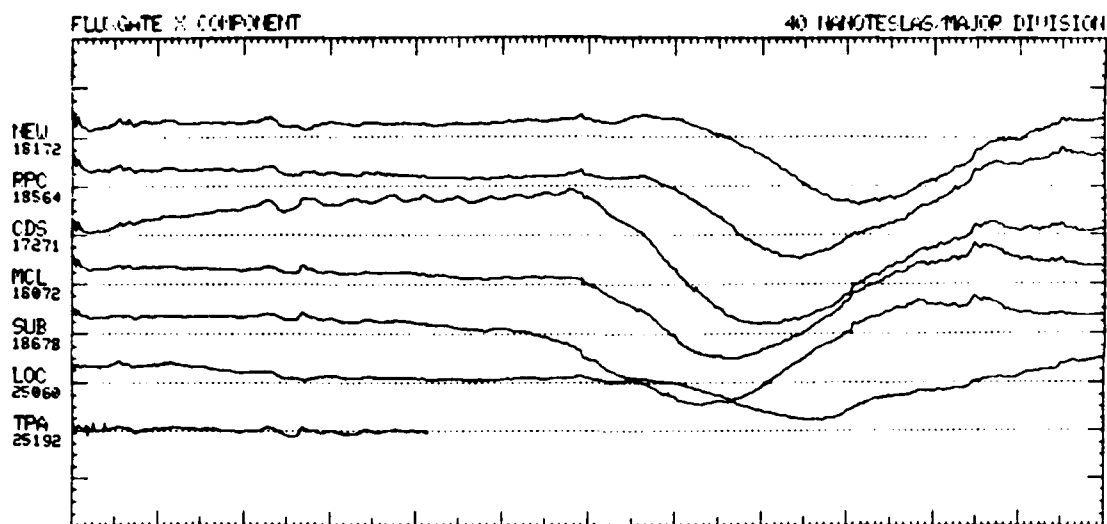


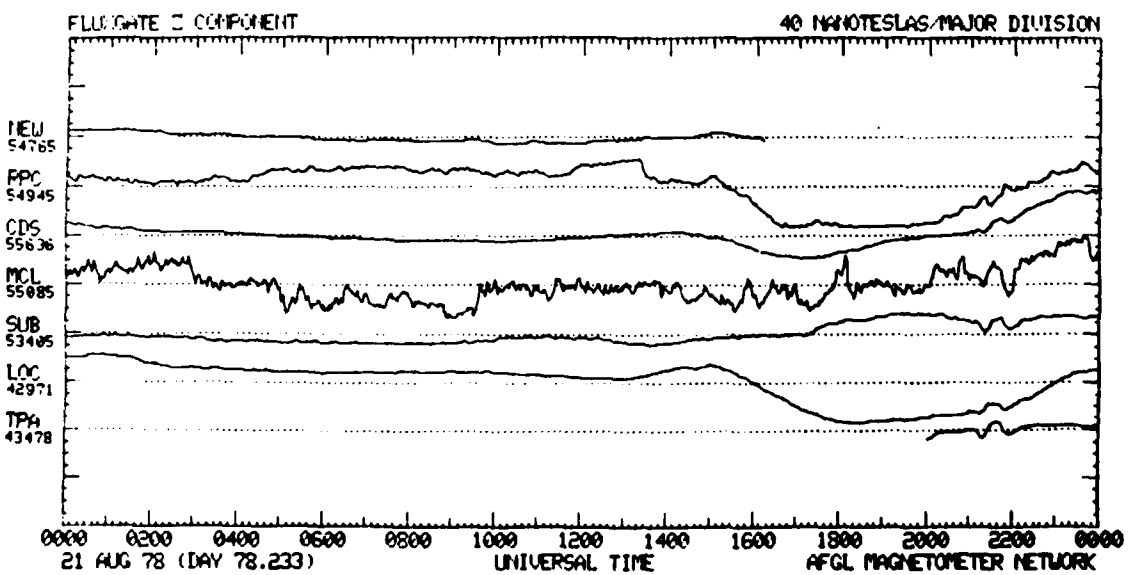
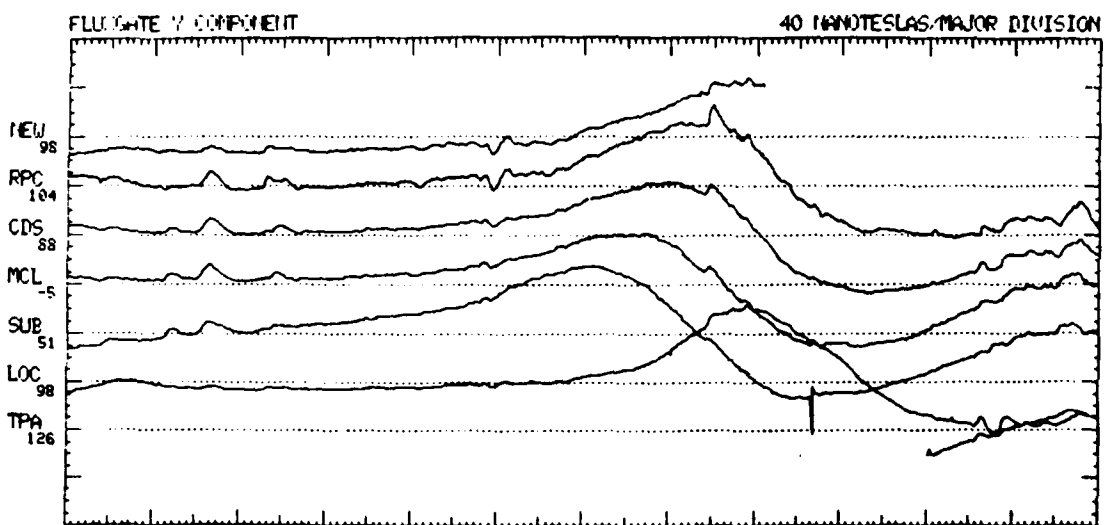
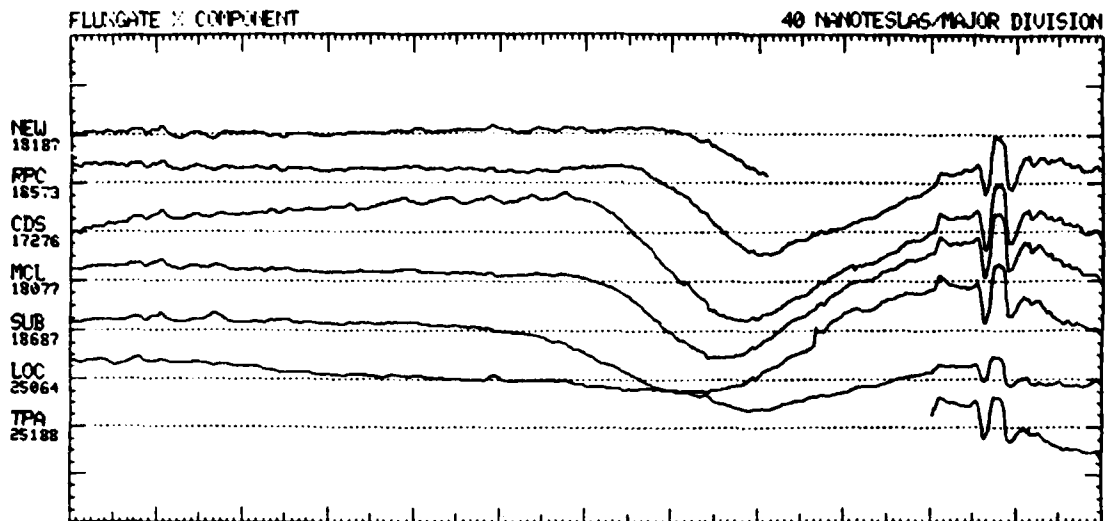


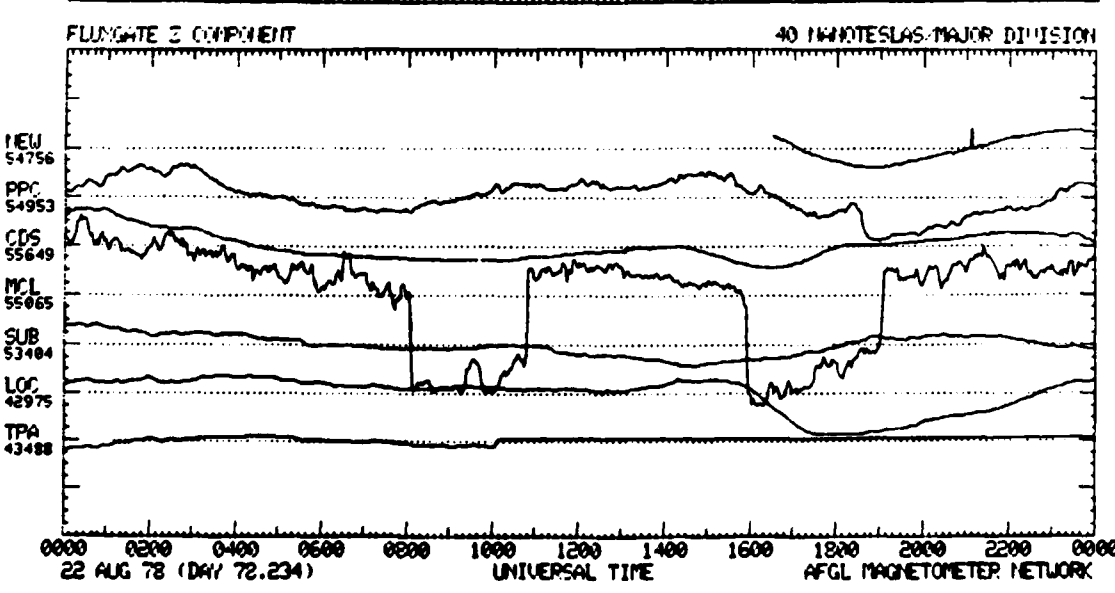
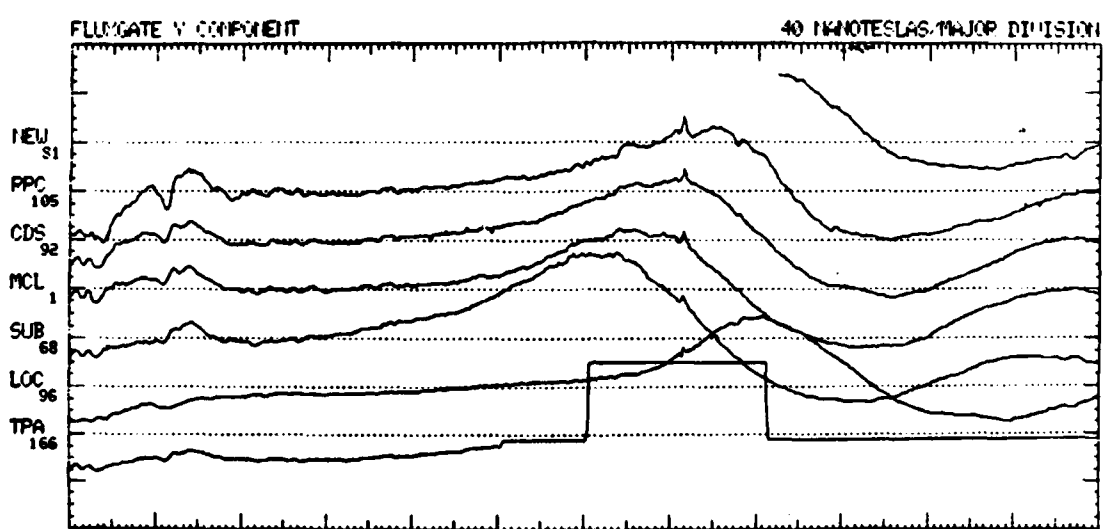
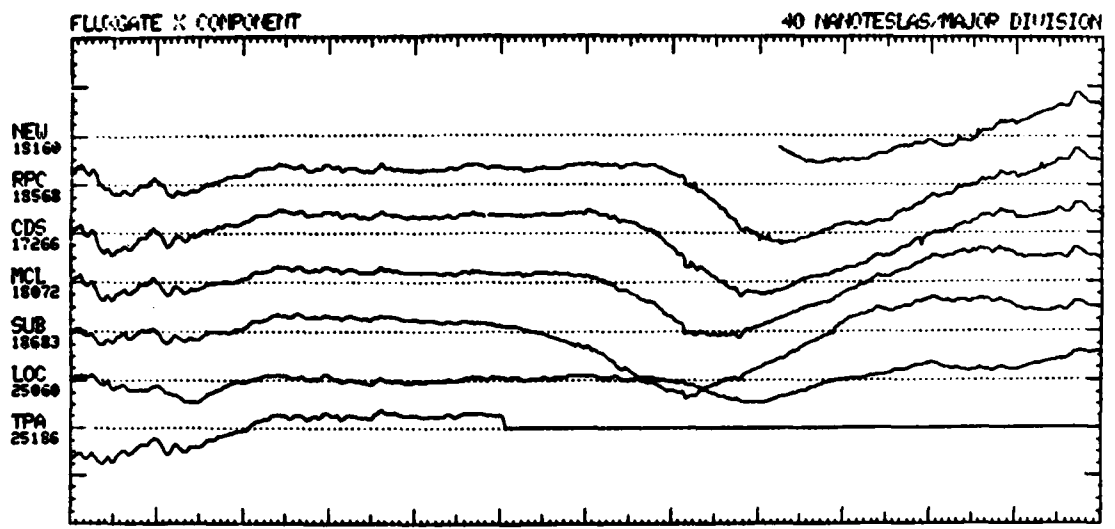




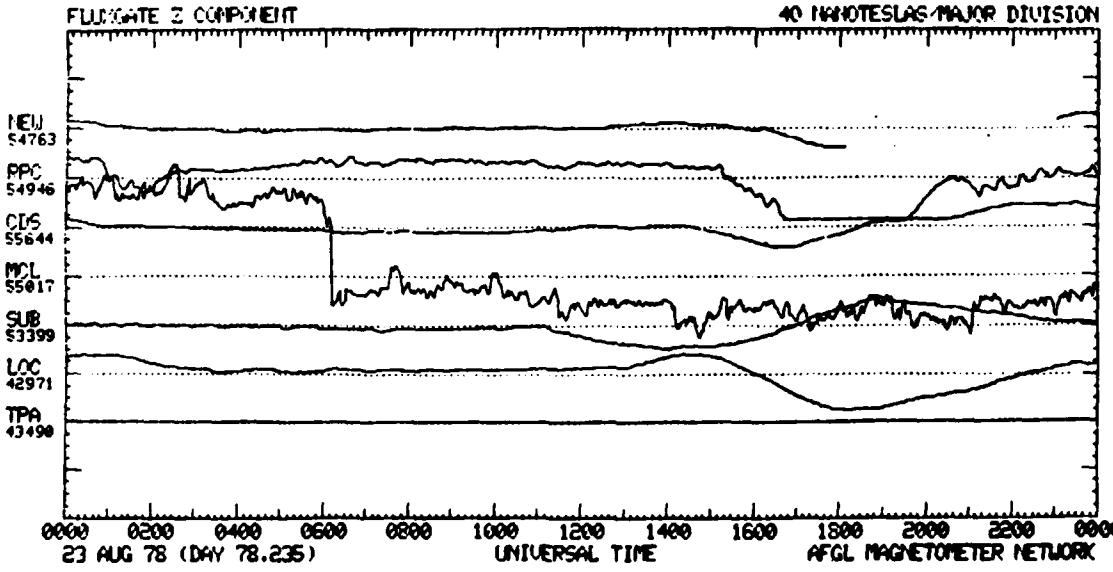
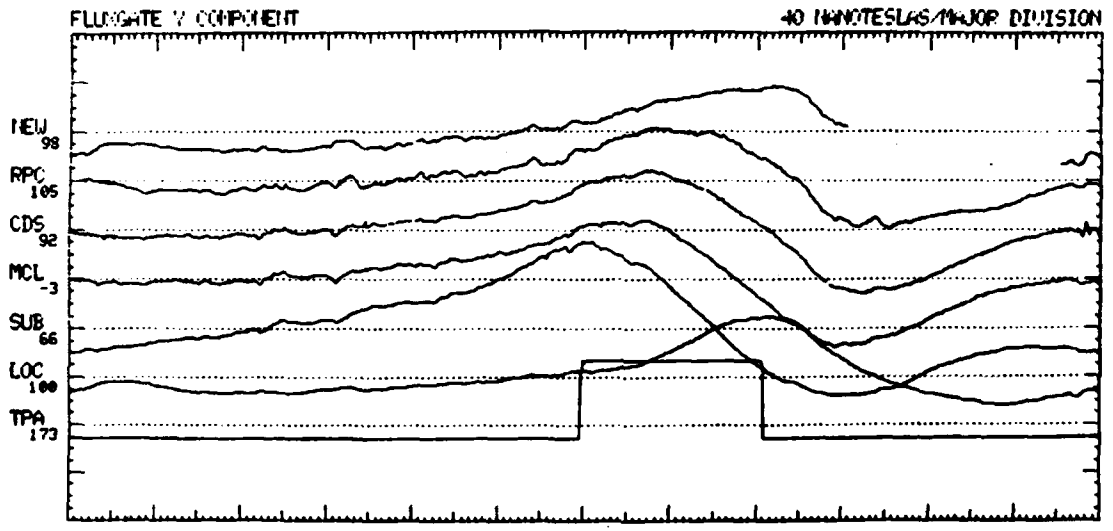
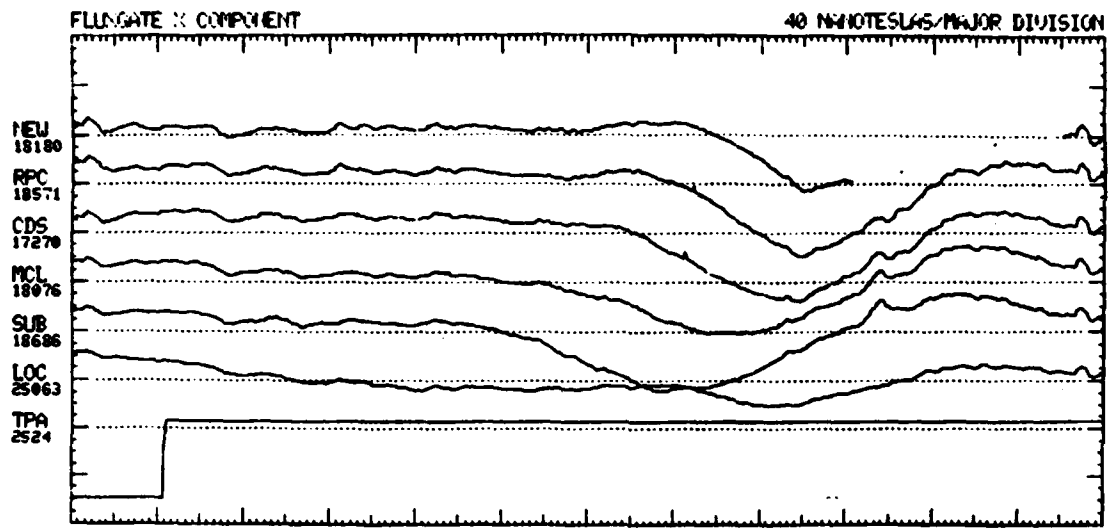


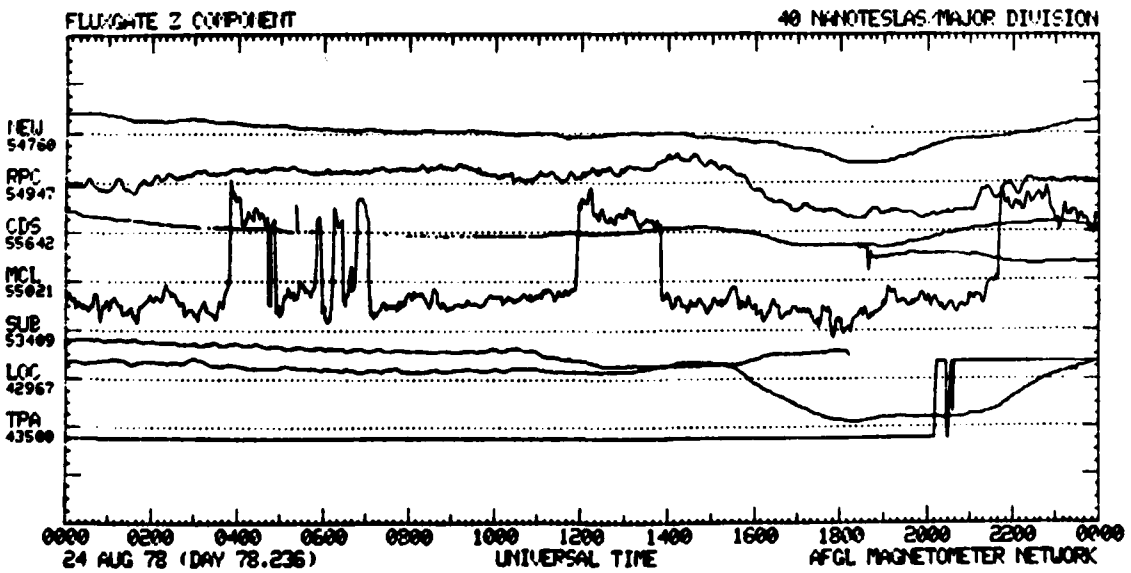
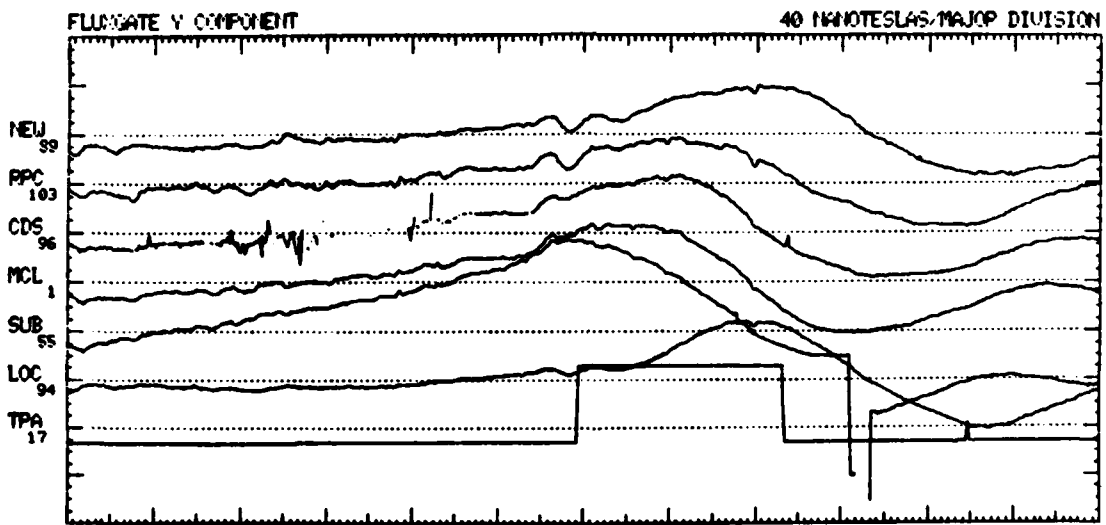
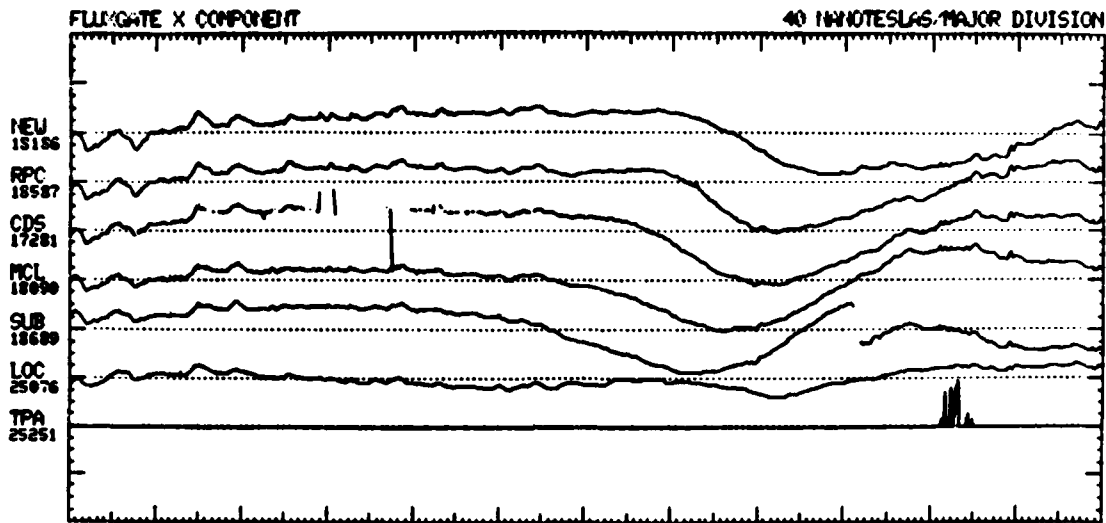


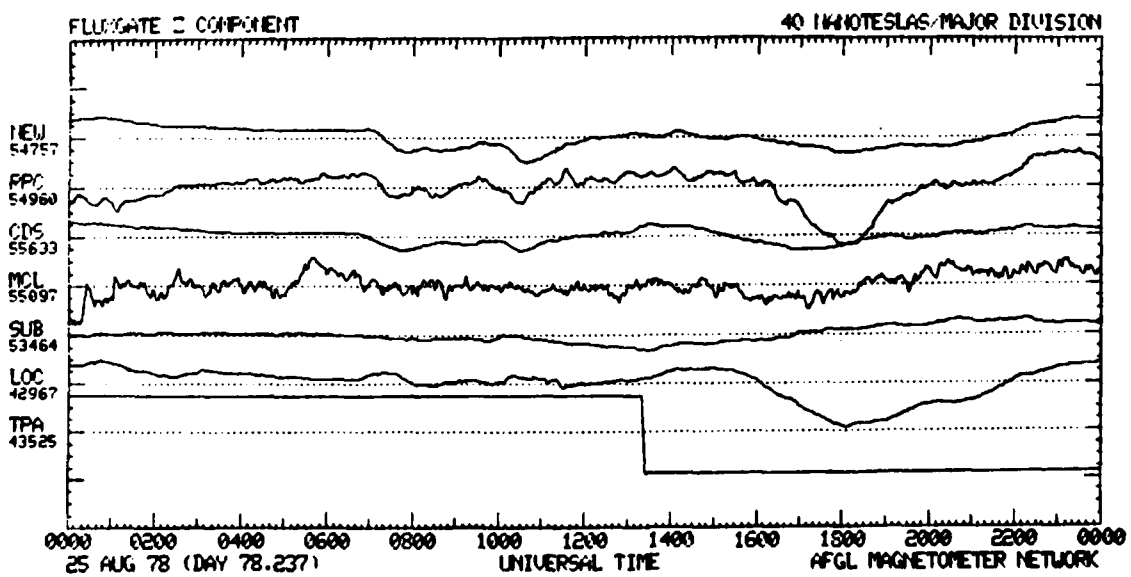
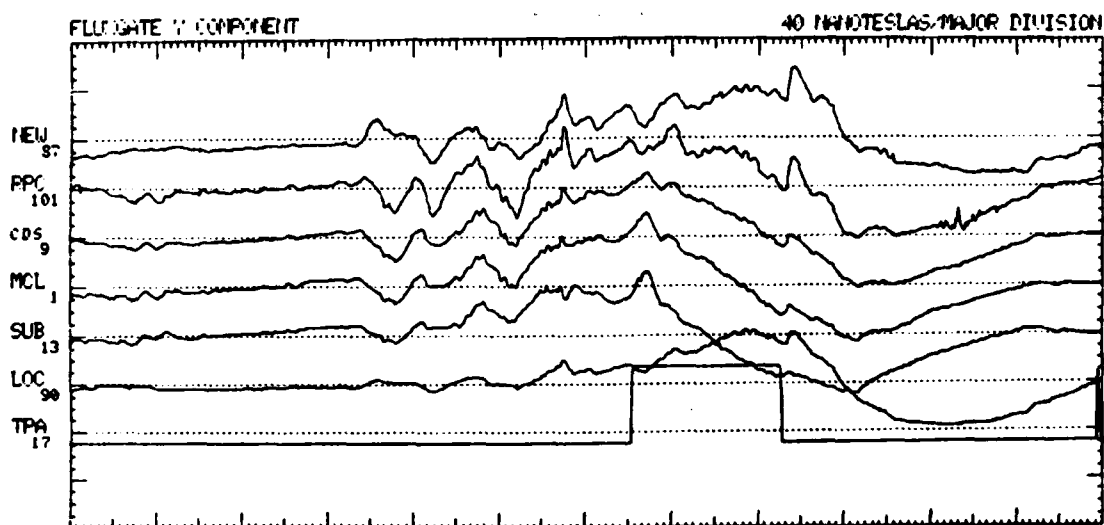
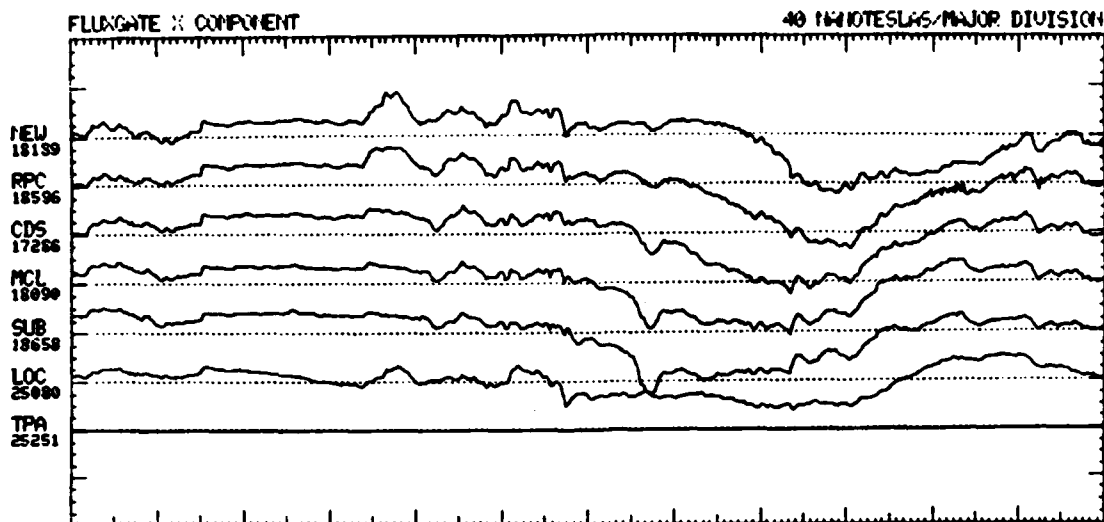


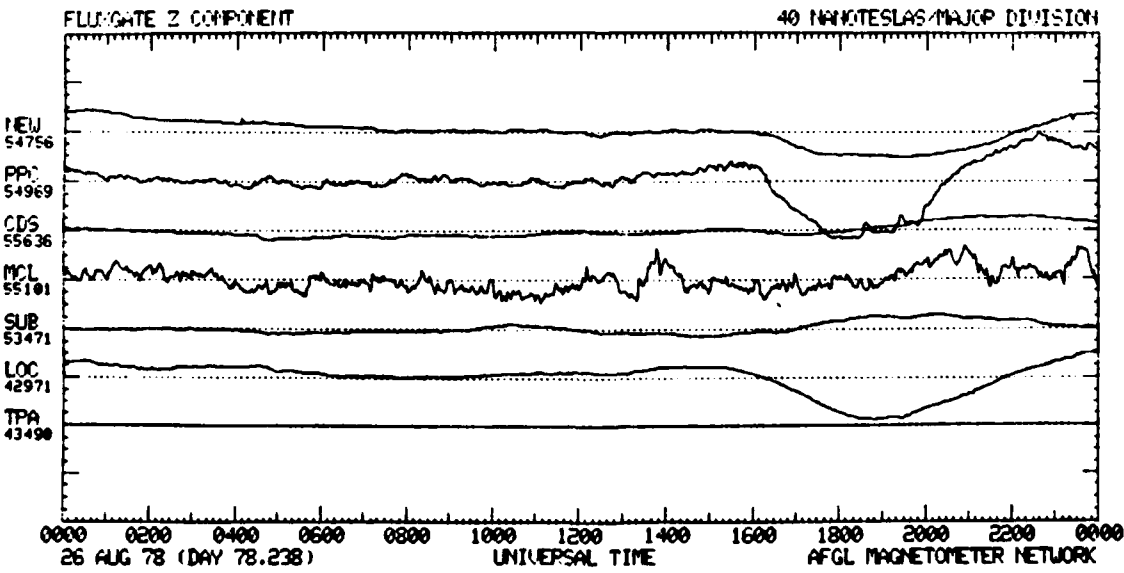
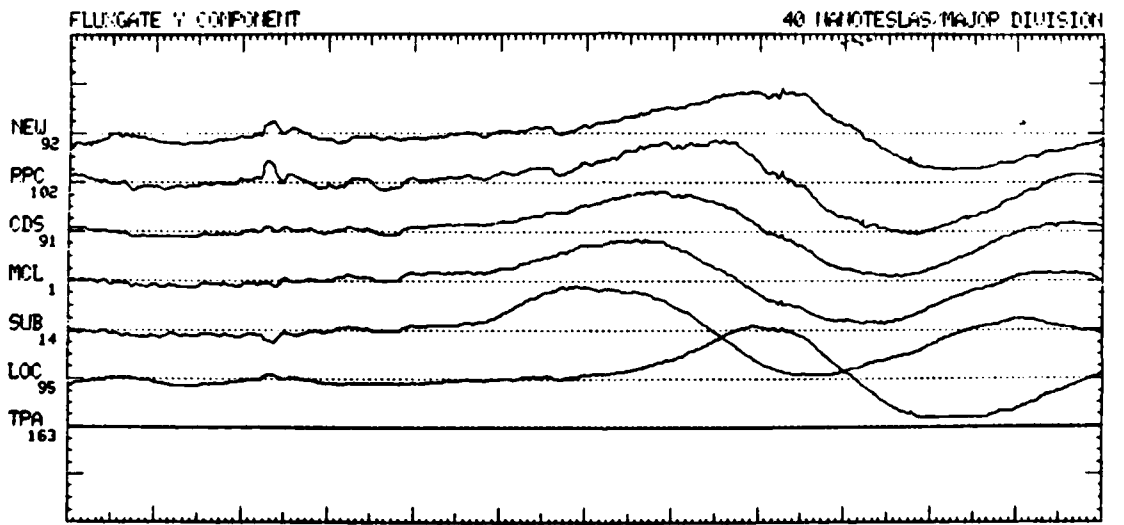
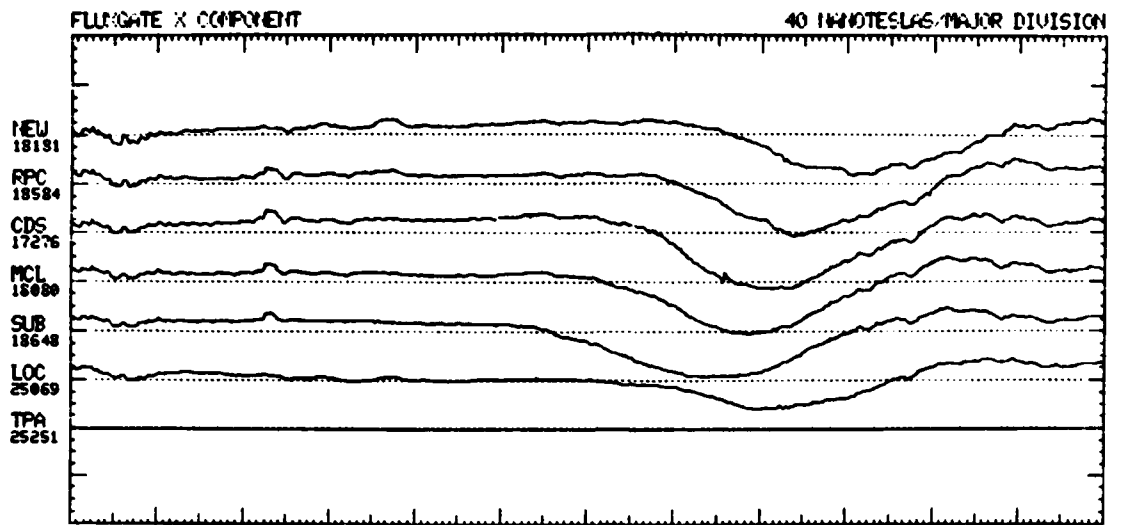


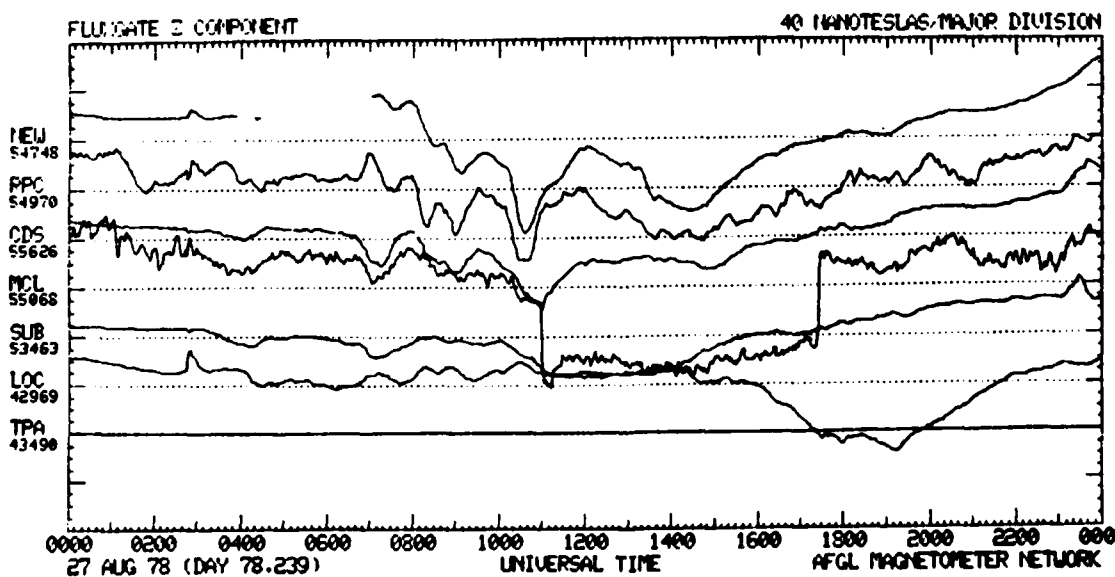
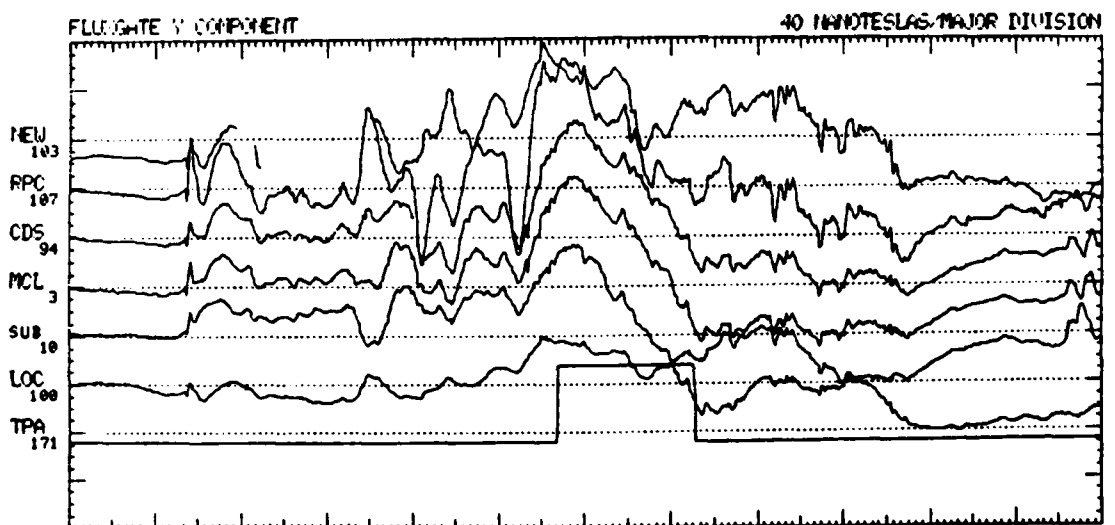
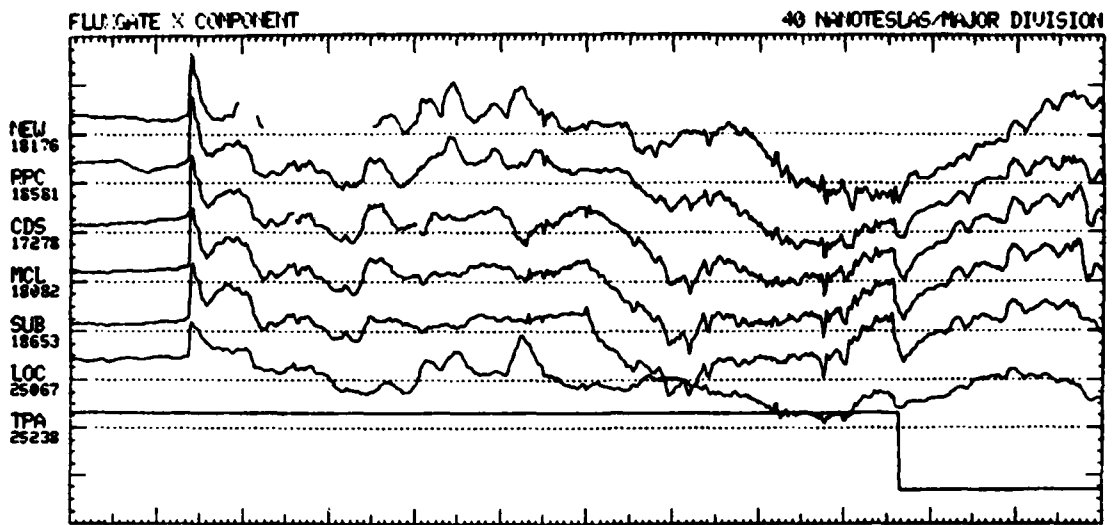
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22 AUG 78 (DAY 72.234) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



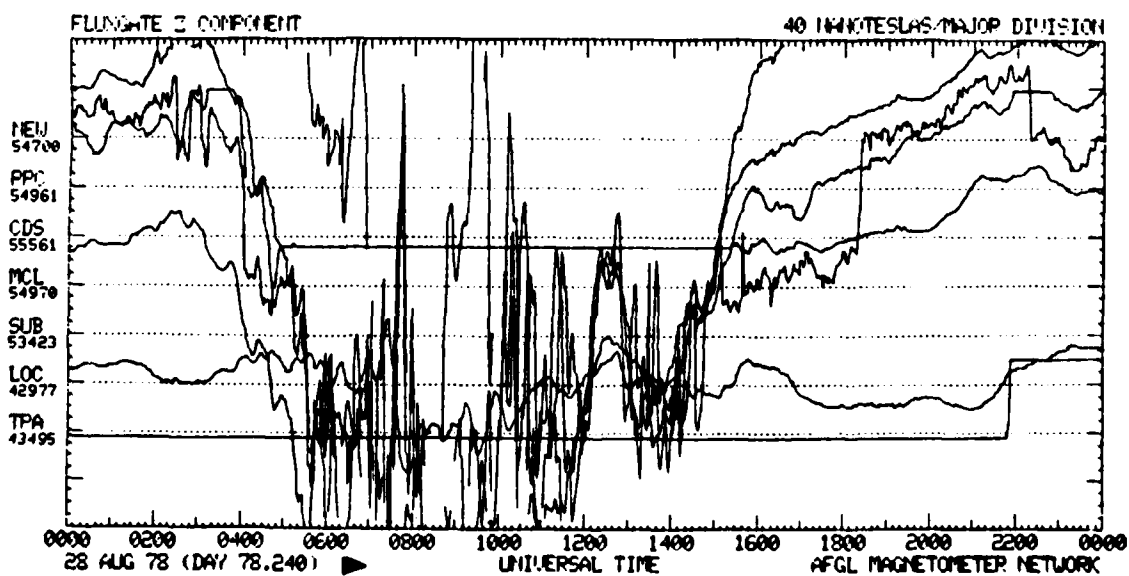
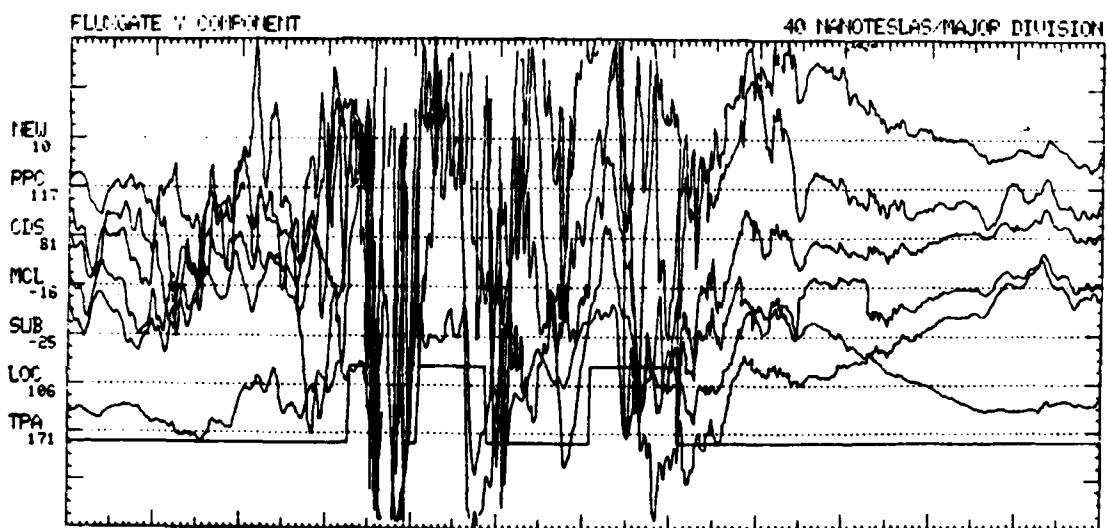
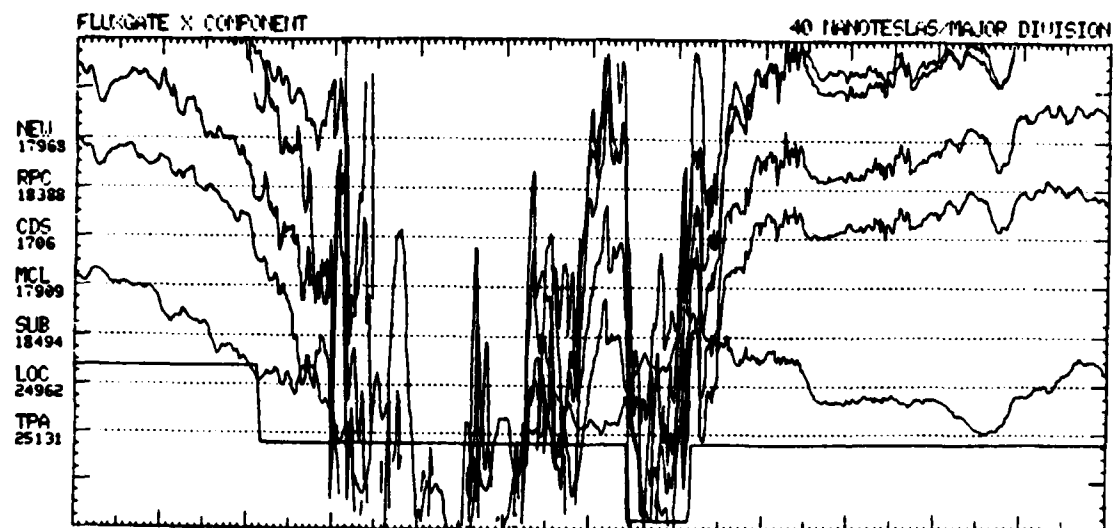


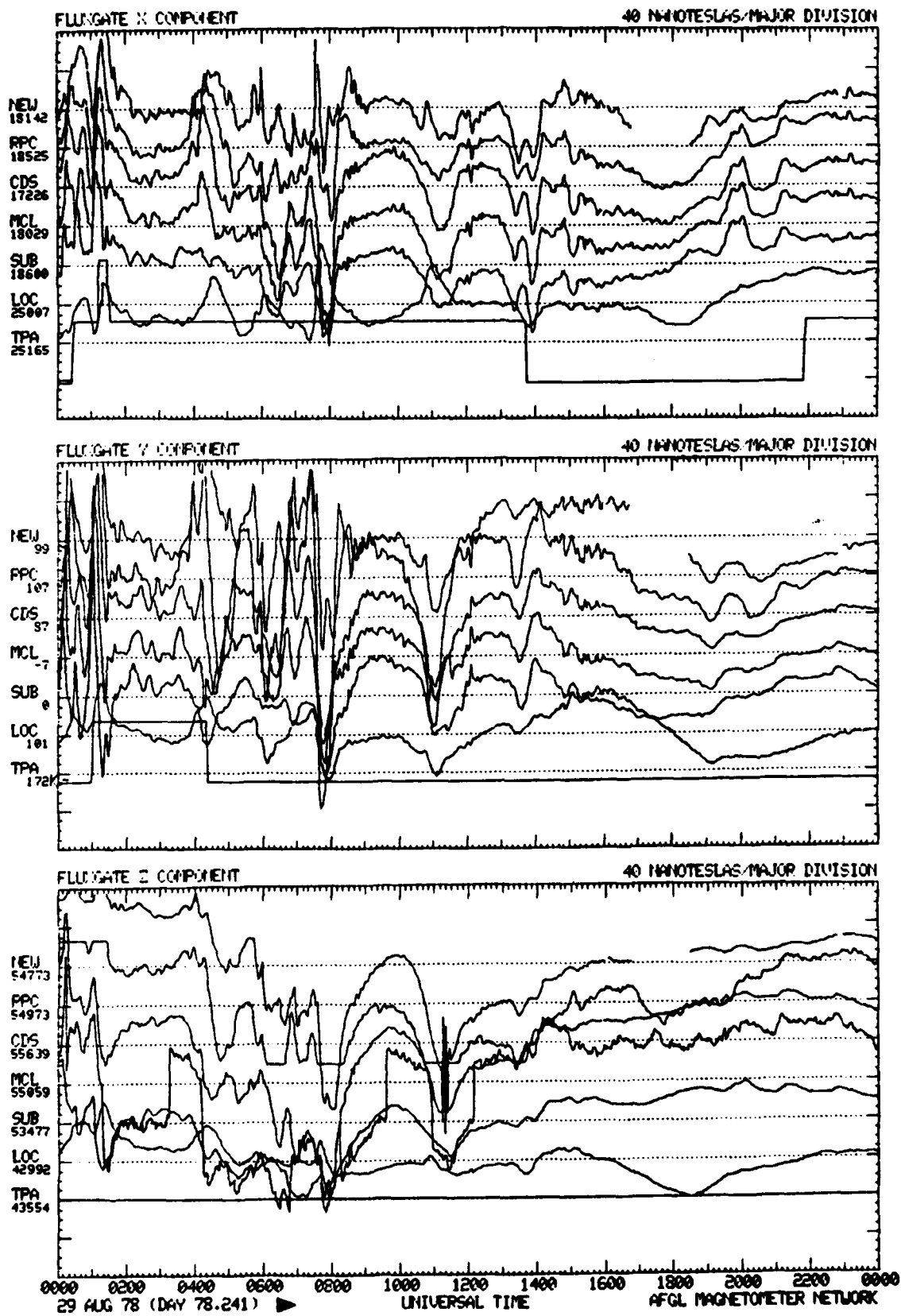


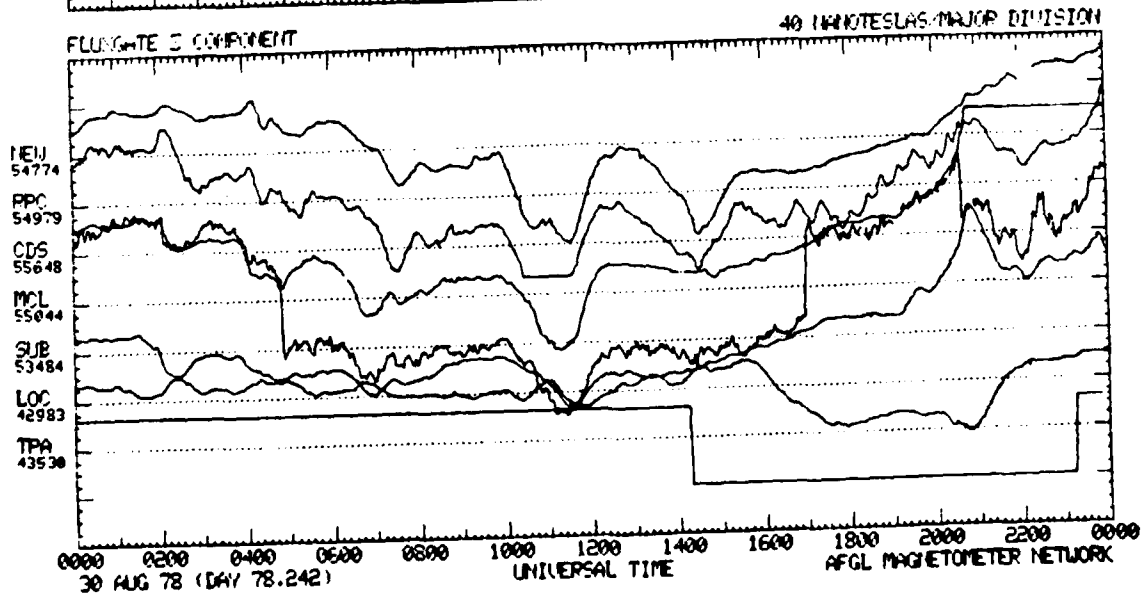
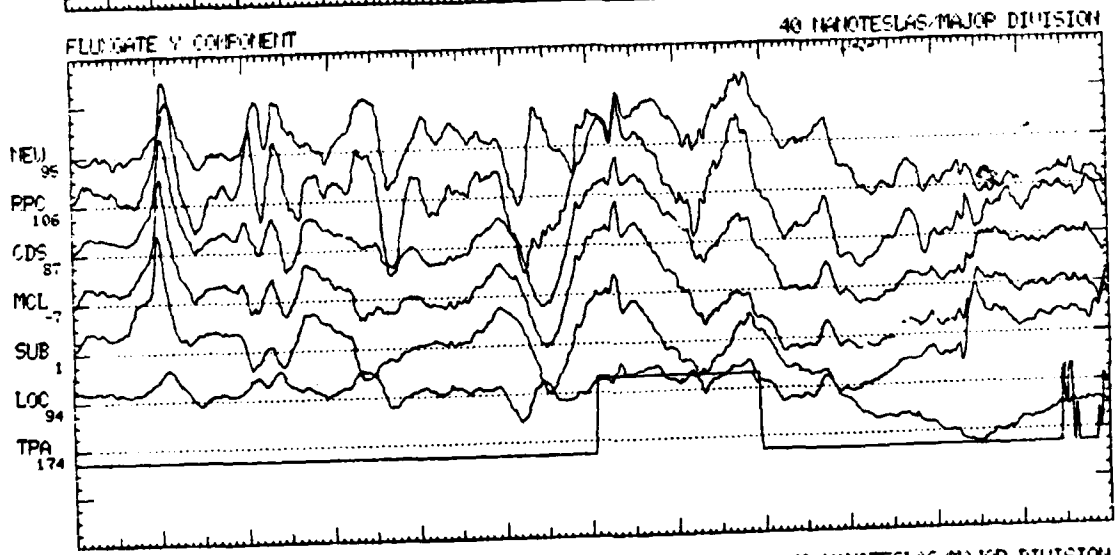
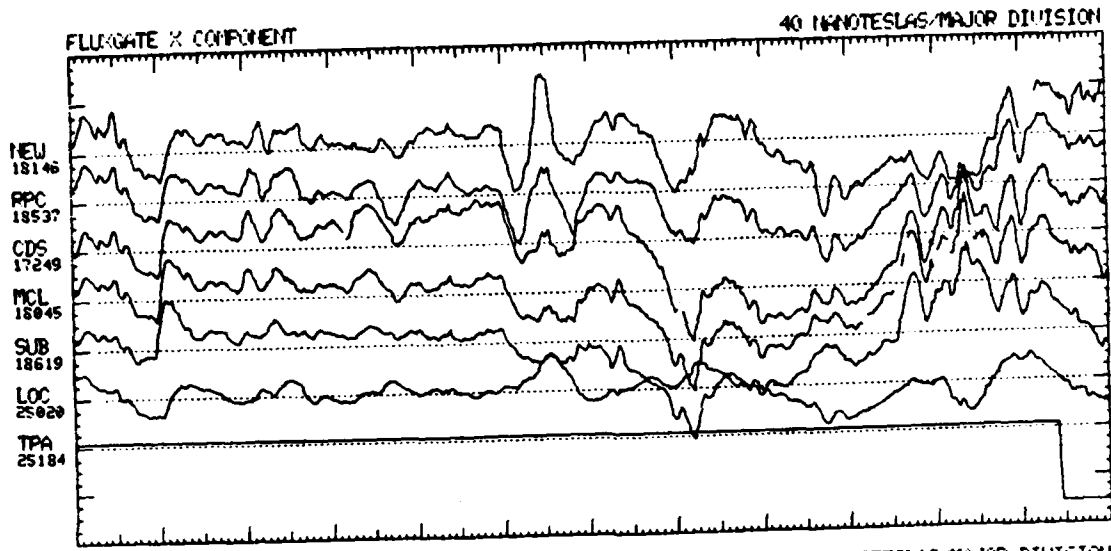


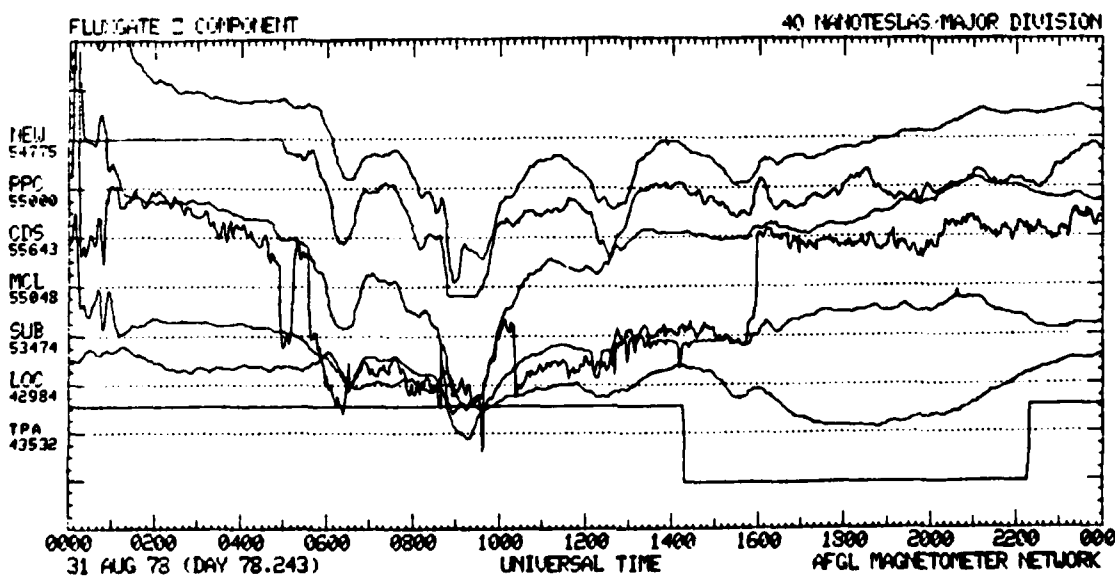
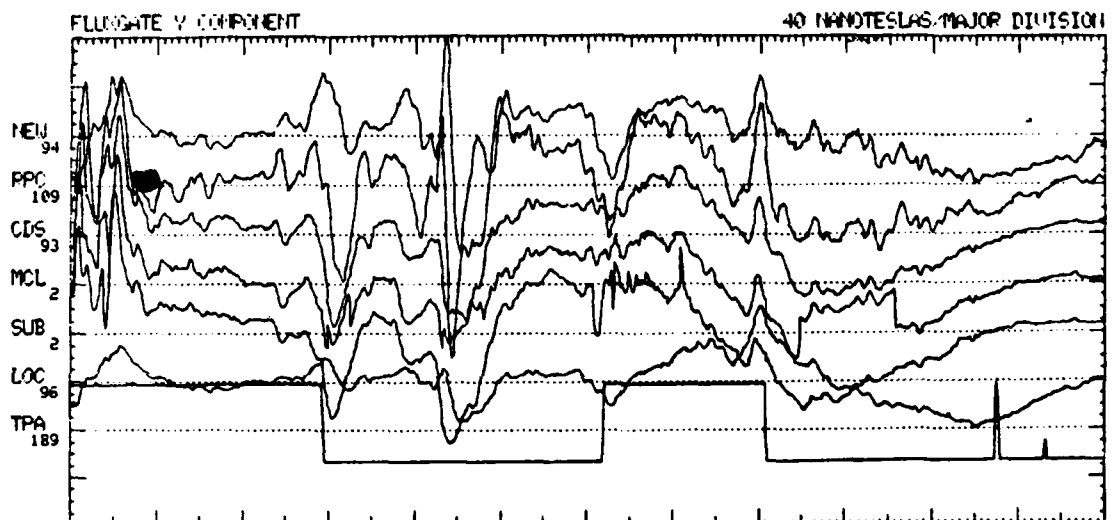
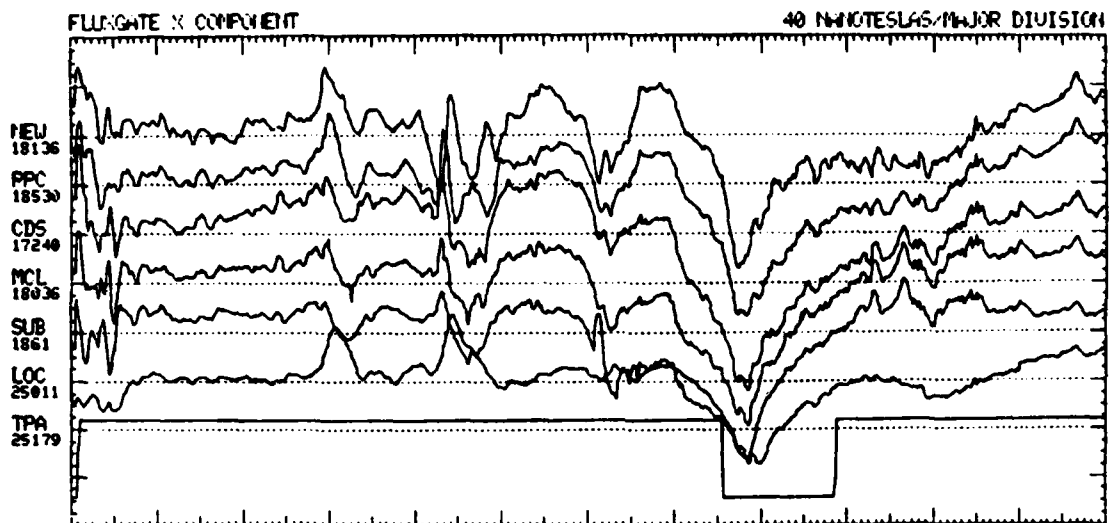


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27 AUG 78 (DAY 78.239) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK







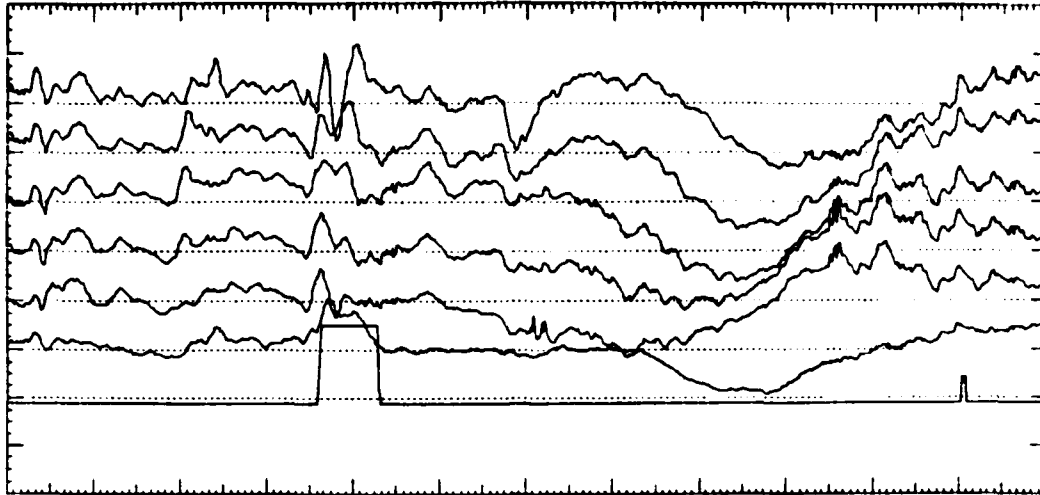


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 31 AUG 78 (DAY 78.243) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

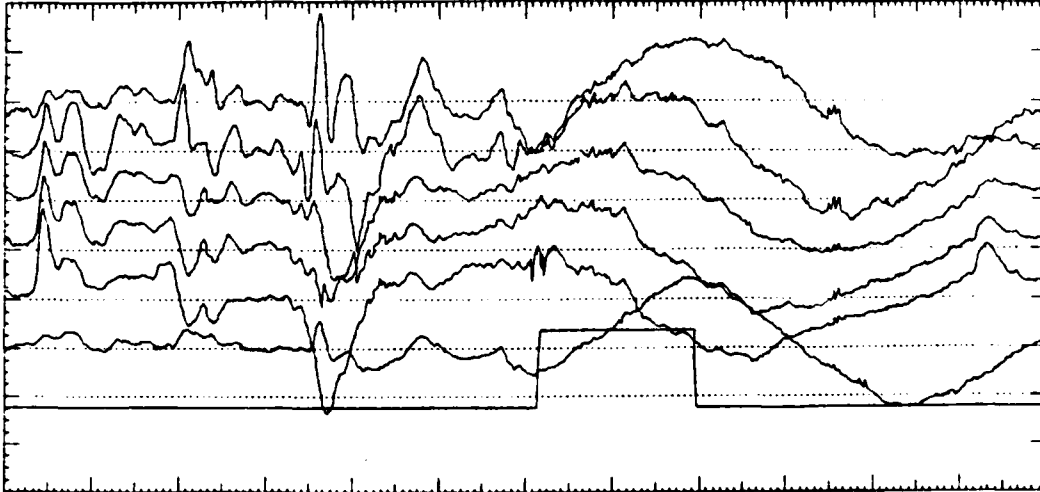
NEW
15151
RPC
18551
CDS
17255
MCL
18054
SUB
18626
LOC
25028
TPA
25191



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

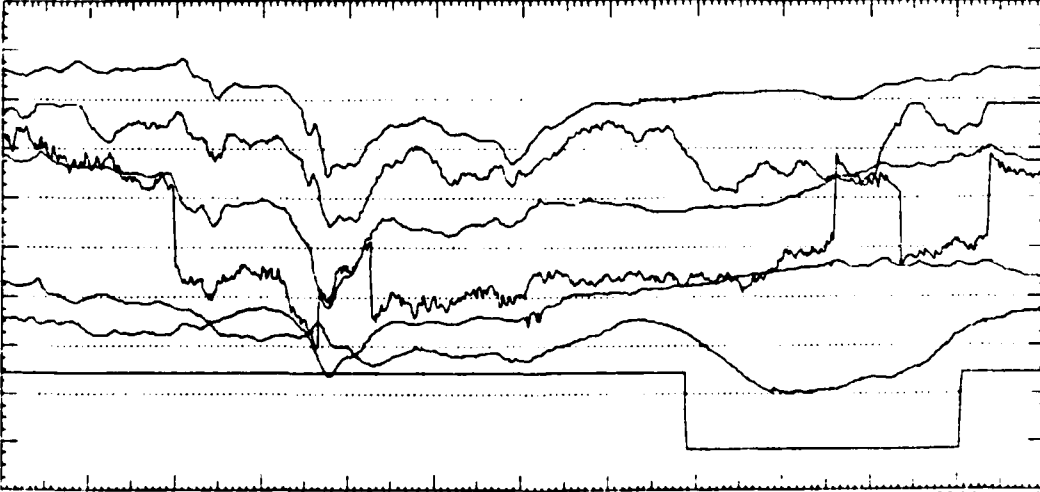
NEW
103
RPC
113
CDS
94
MCL
4
SUB
2
LOC
100
TPA
172



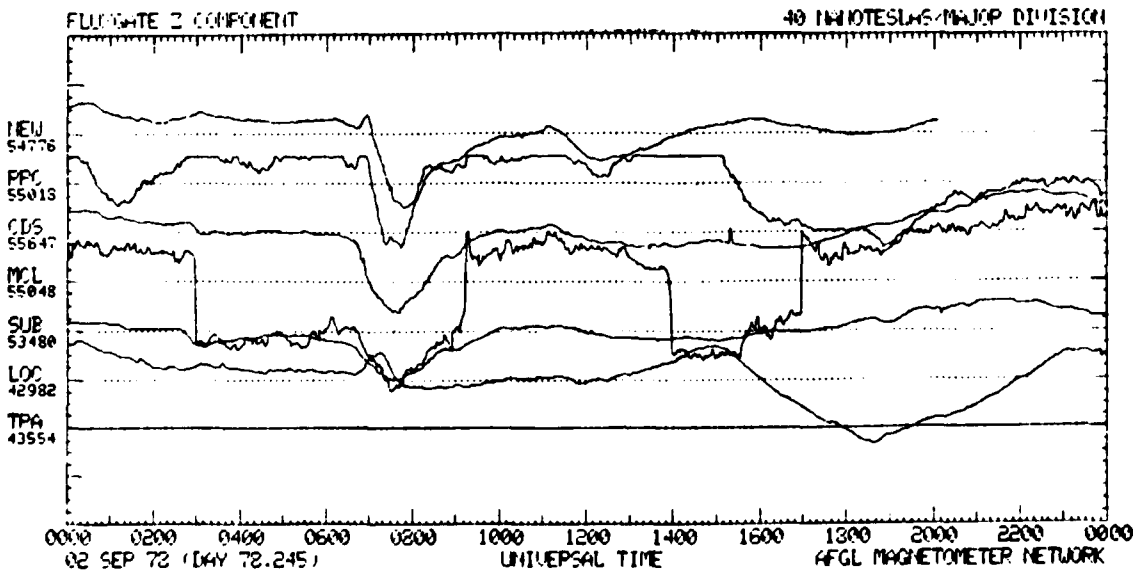
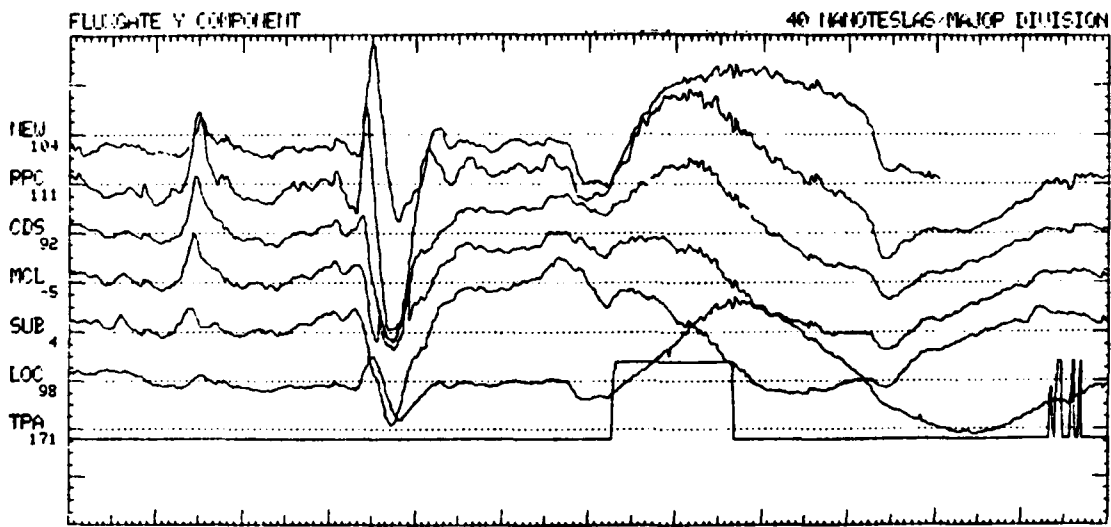
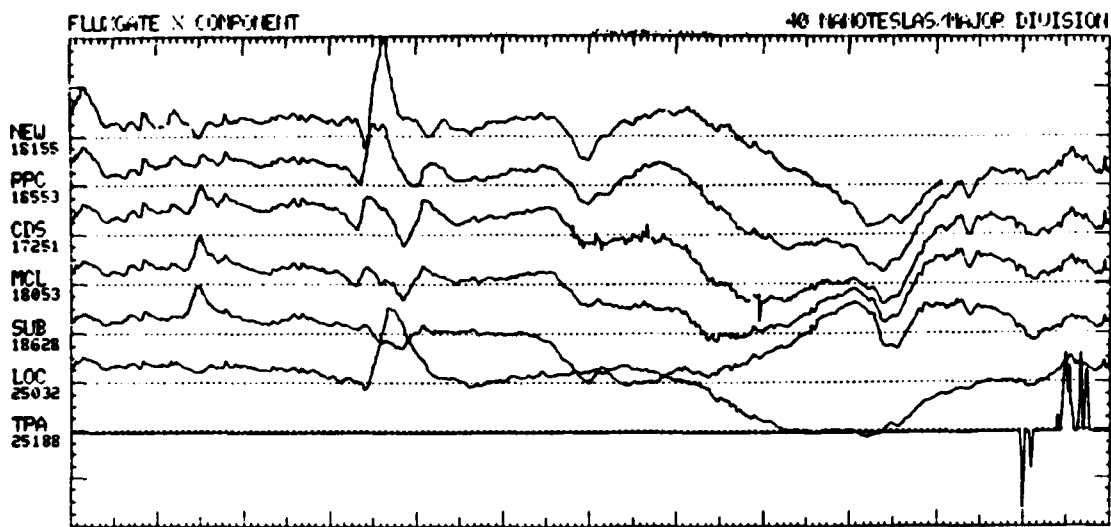
FLIGHTLINE Z COMPONENT

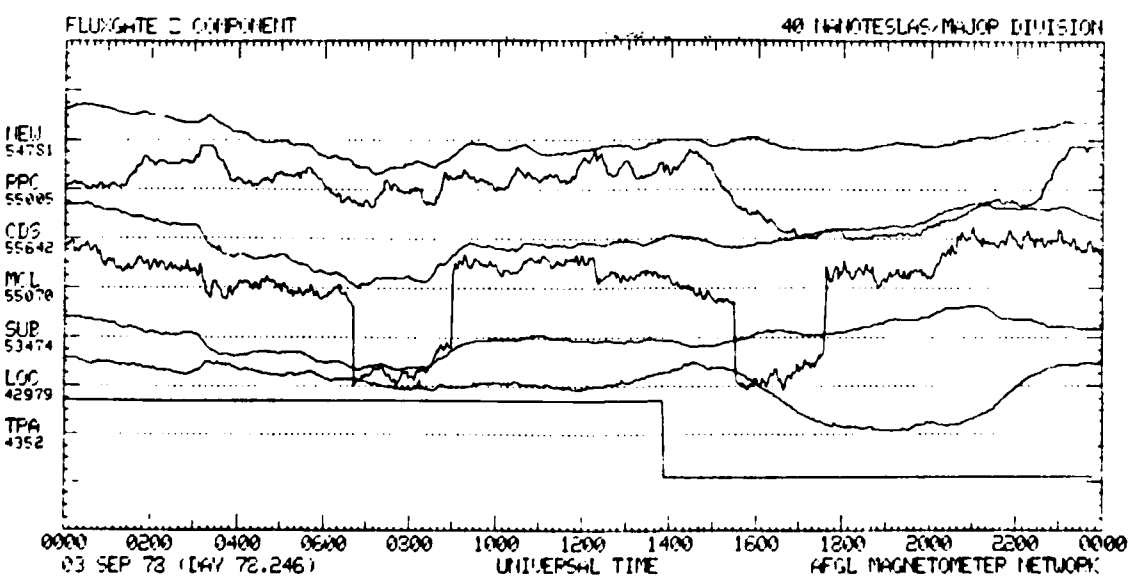
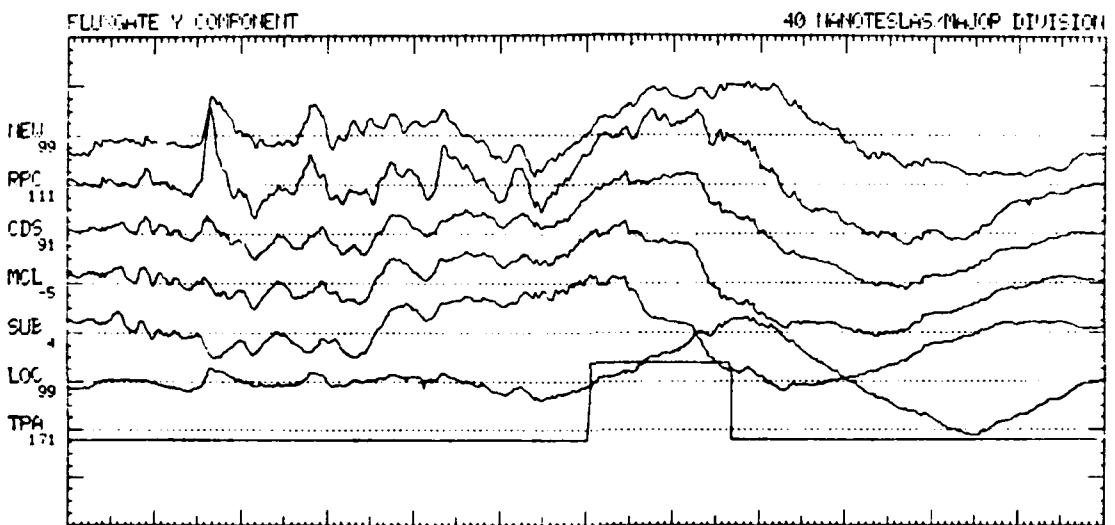
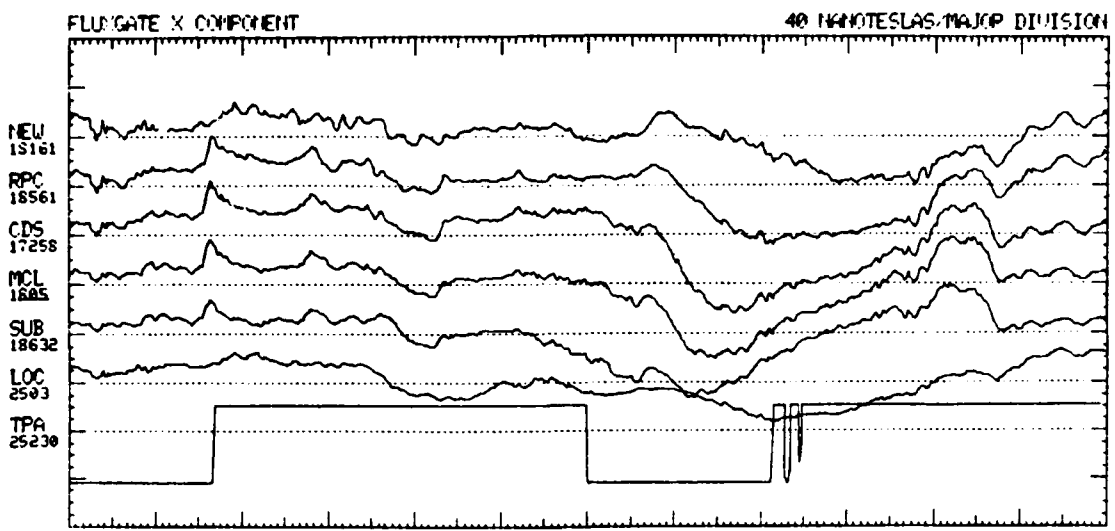
40 NANOTESLAS/MAJOR DIVISION

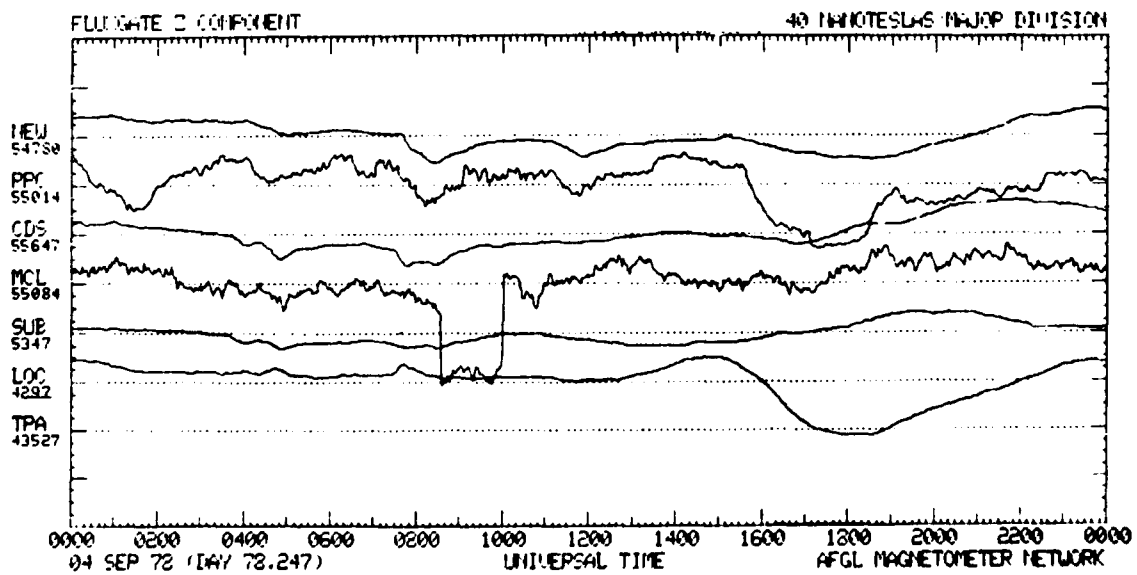
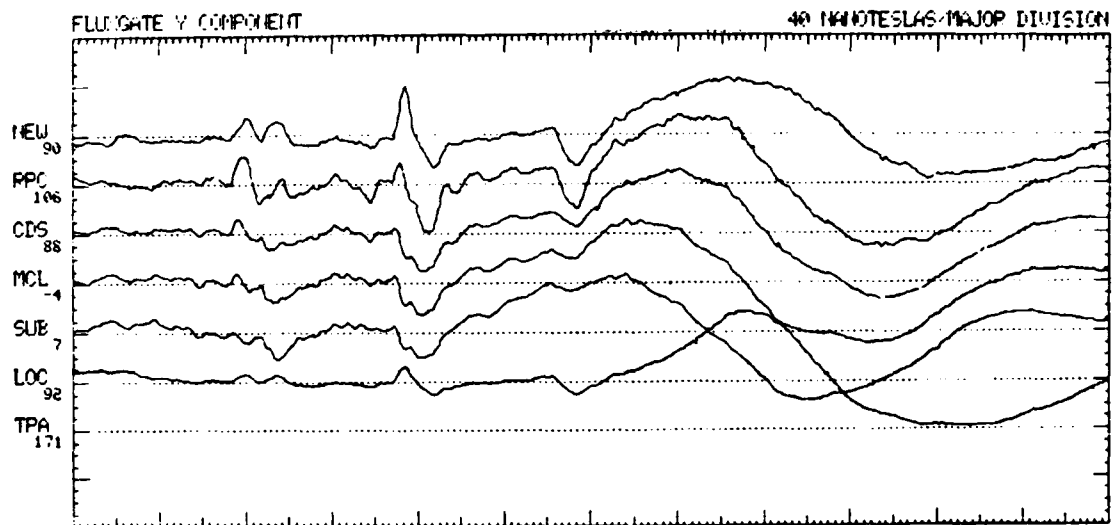
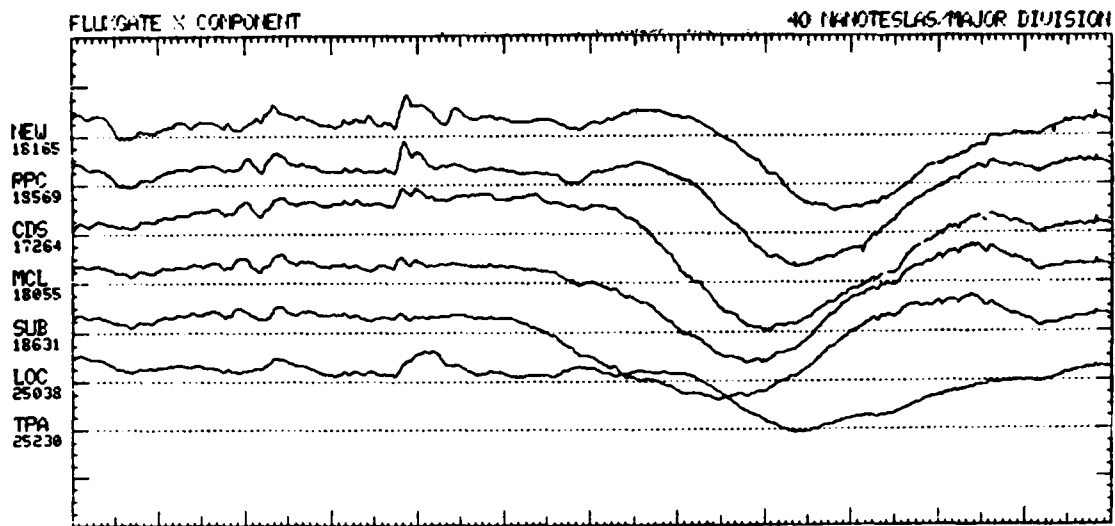
NEW
54772
RPC
55004
CDS
55636
MCL
55015
SUB
53472
LOC
42984
TPA
43537

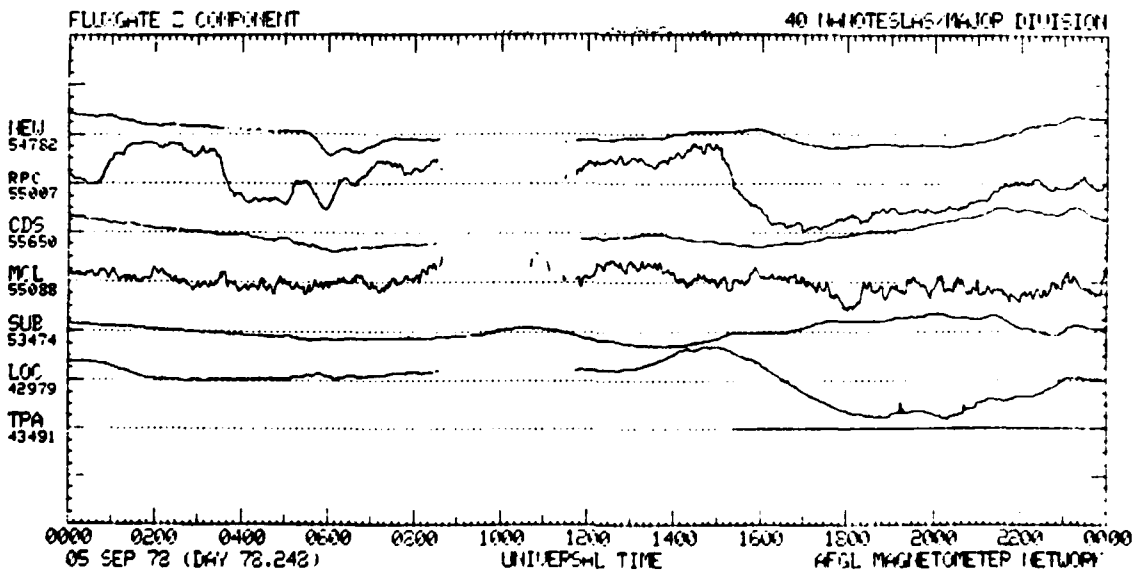
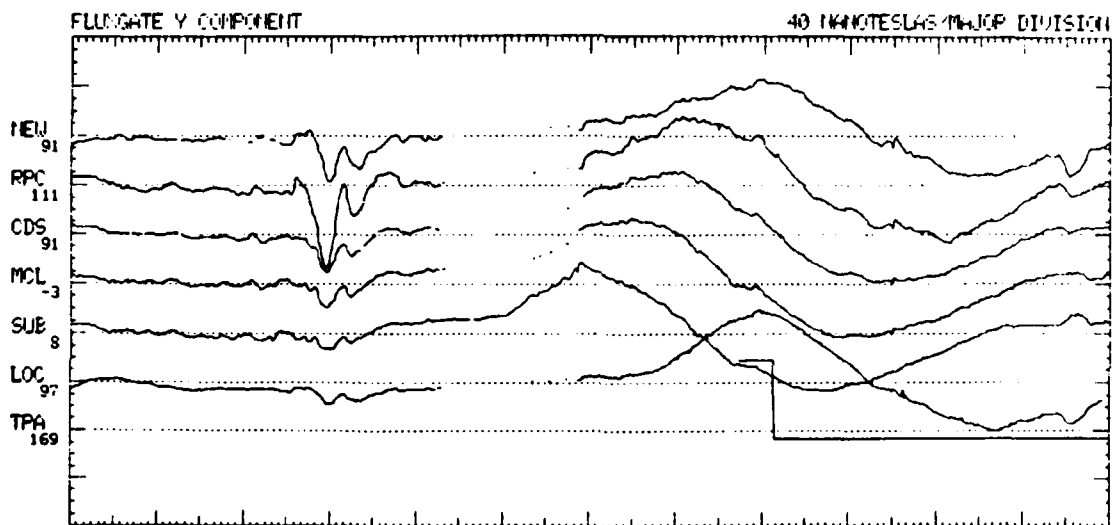
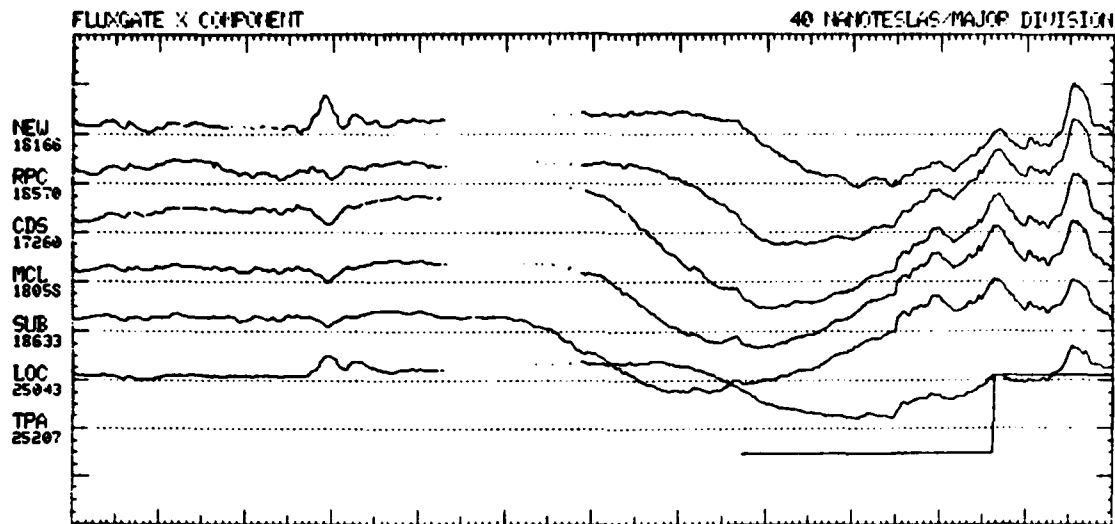


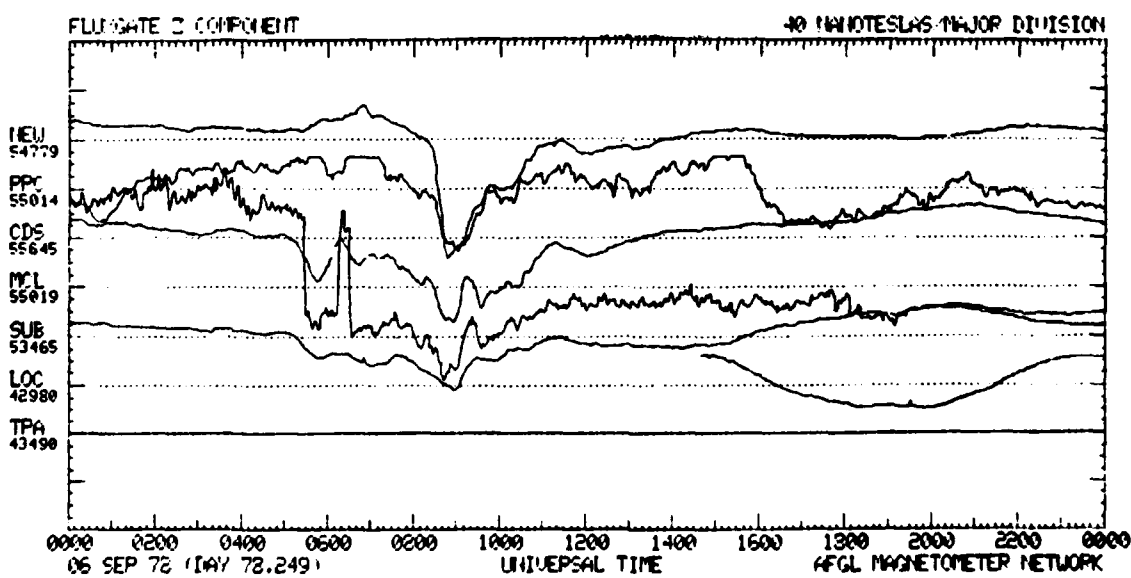
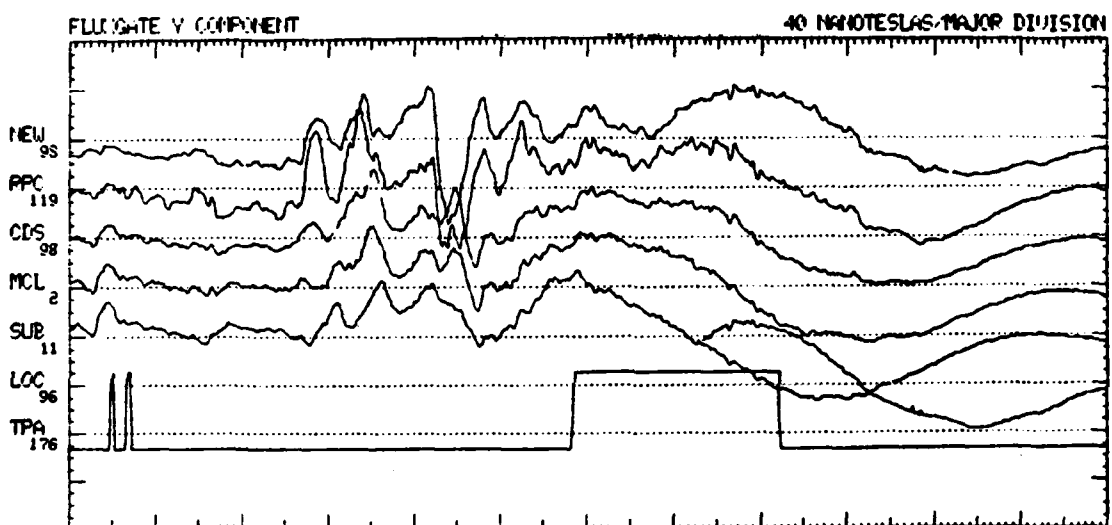
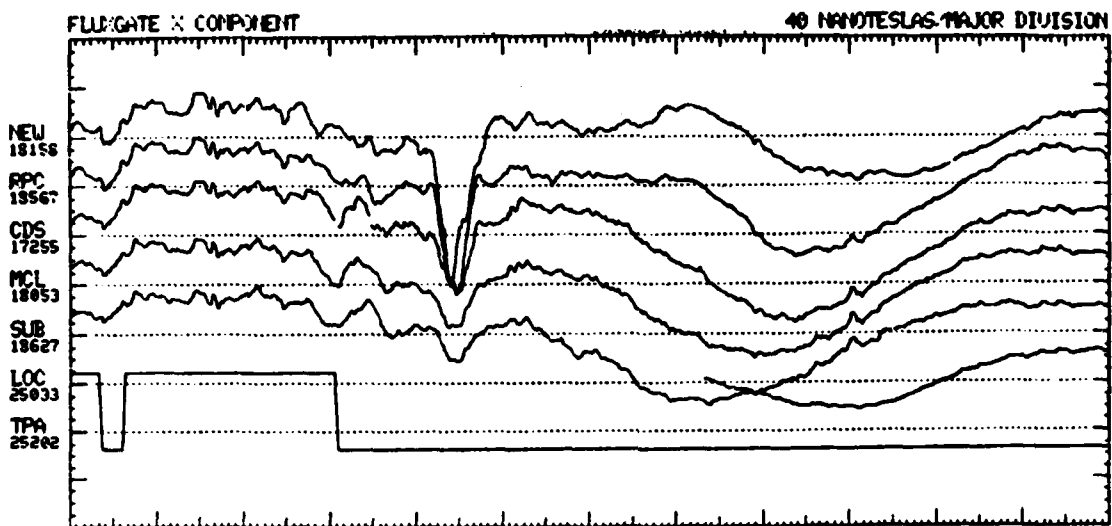
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01 SEP 73 (DAY 72.244) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



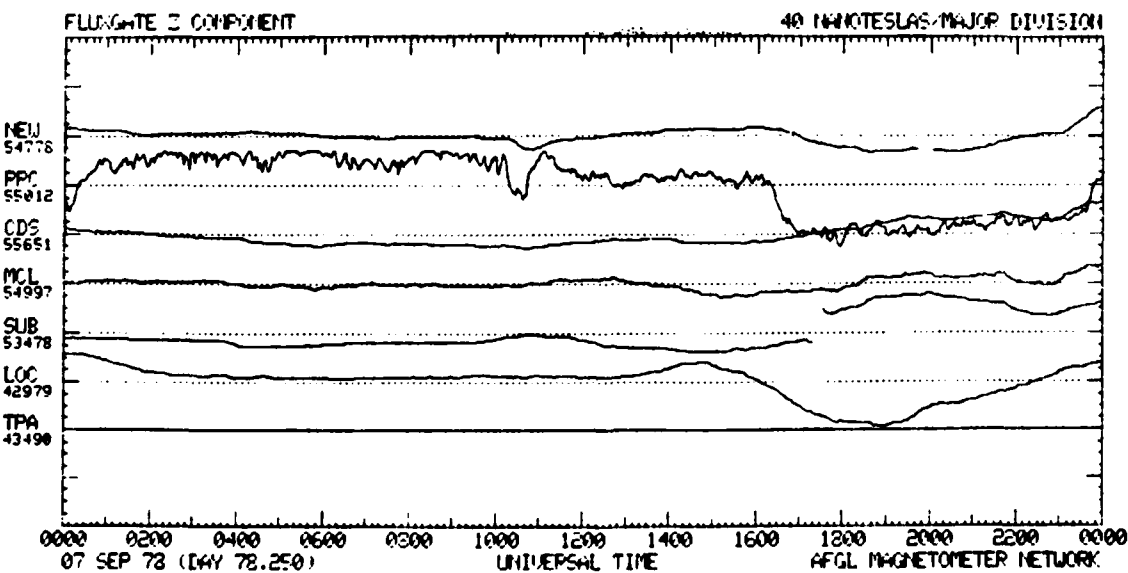
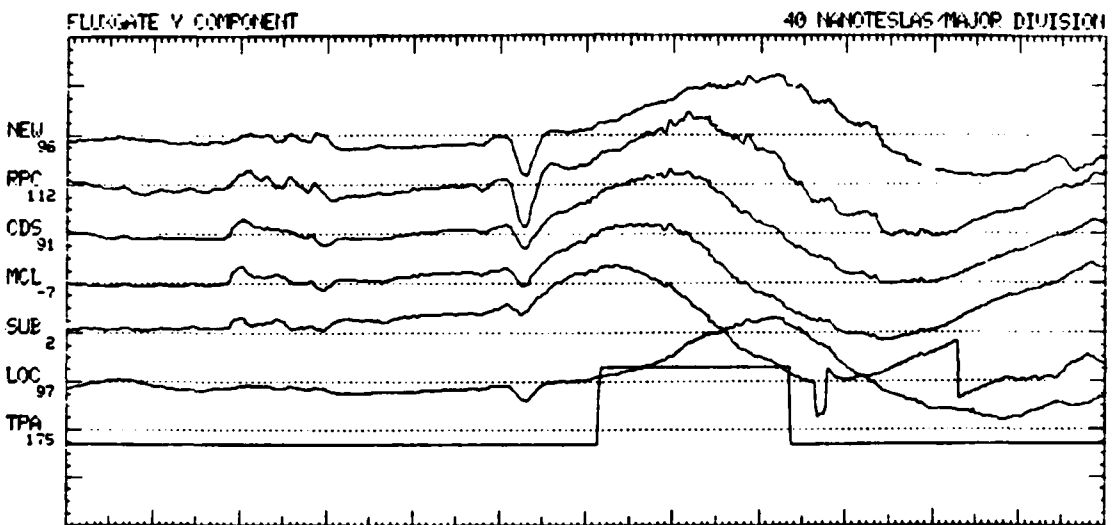
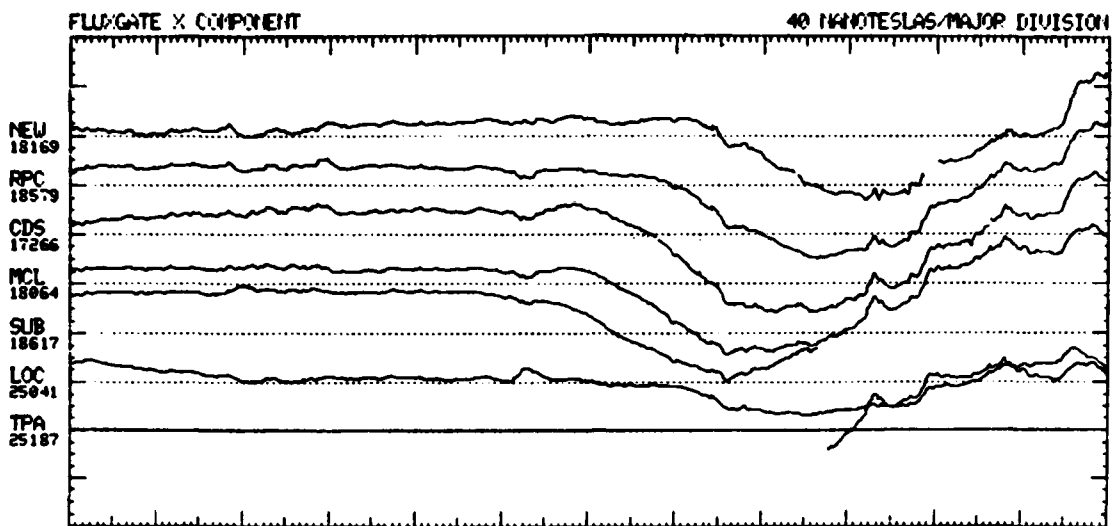


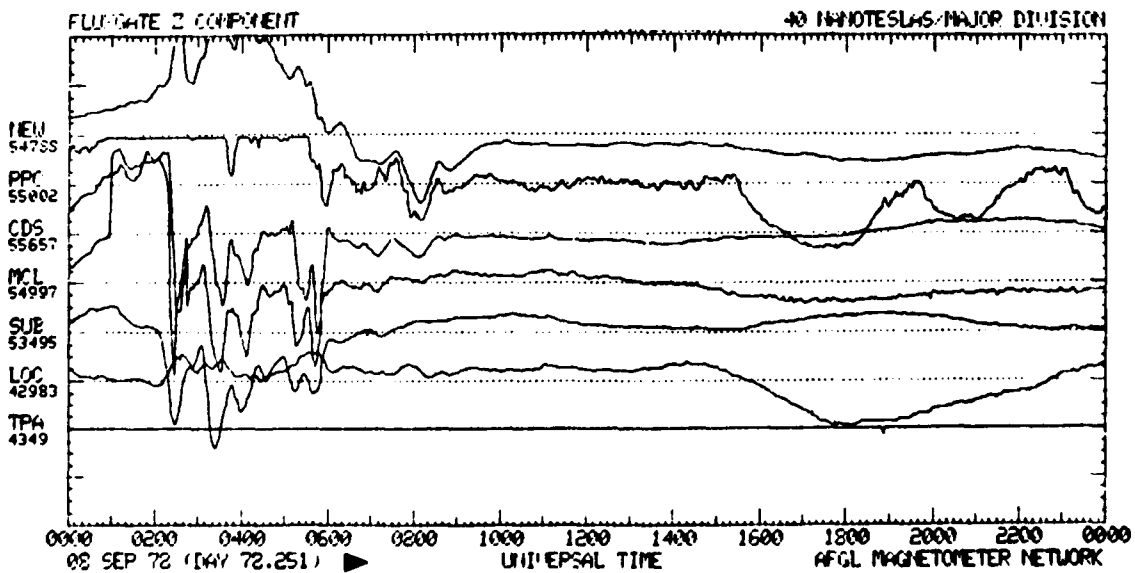
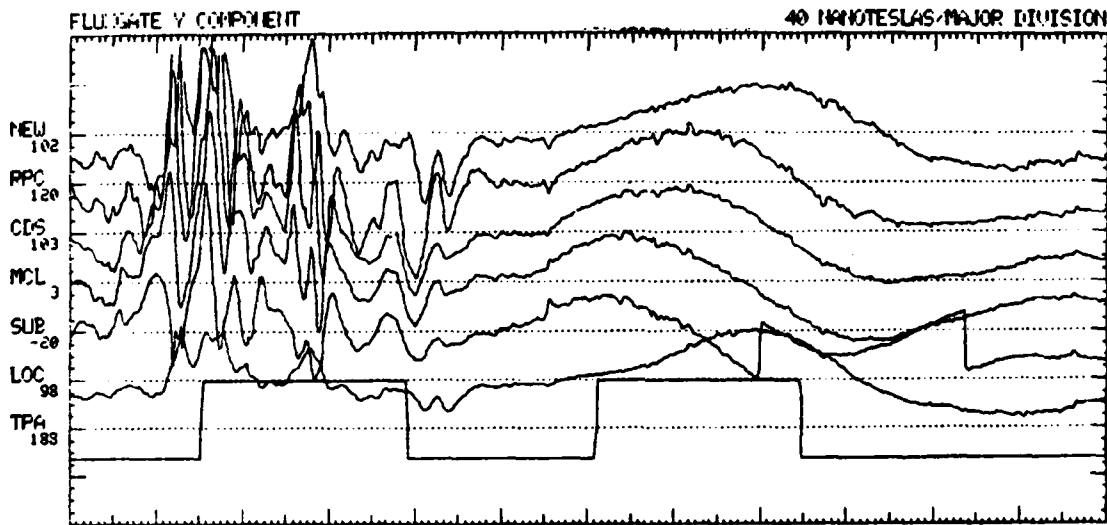
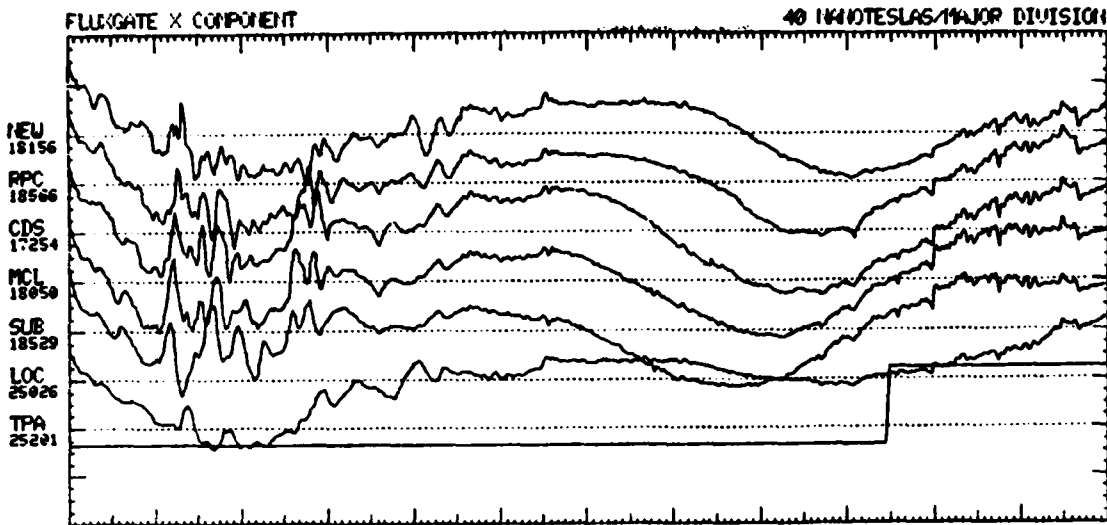


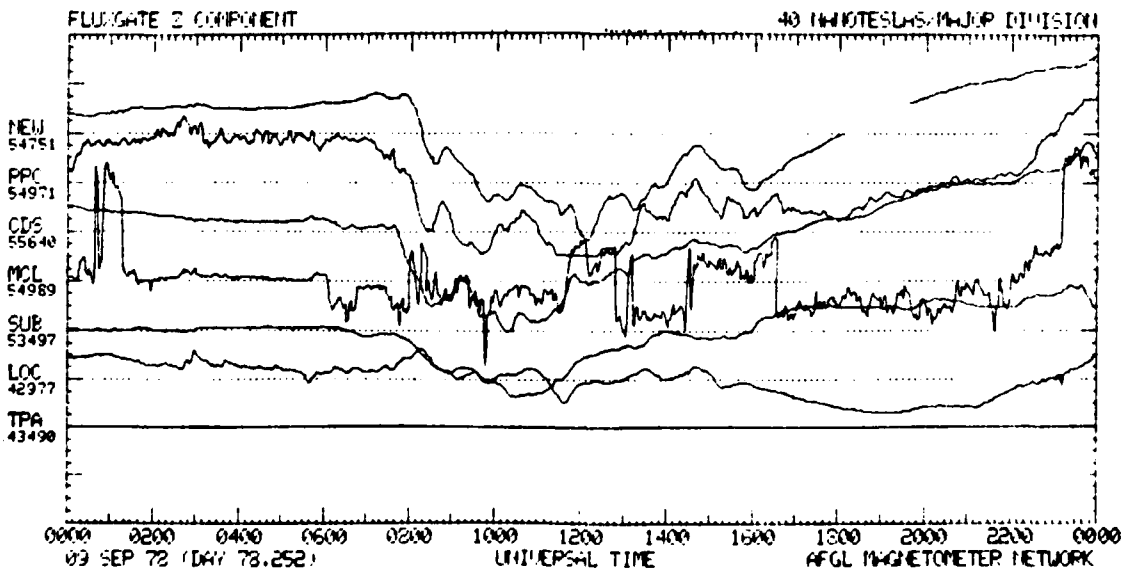
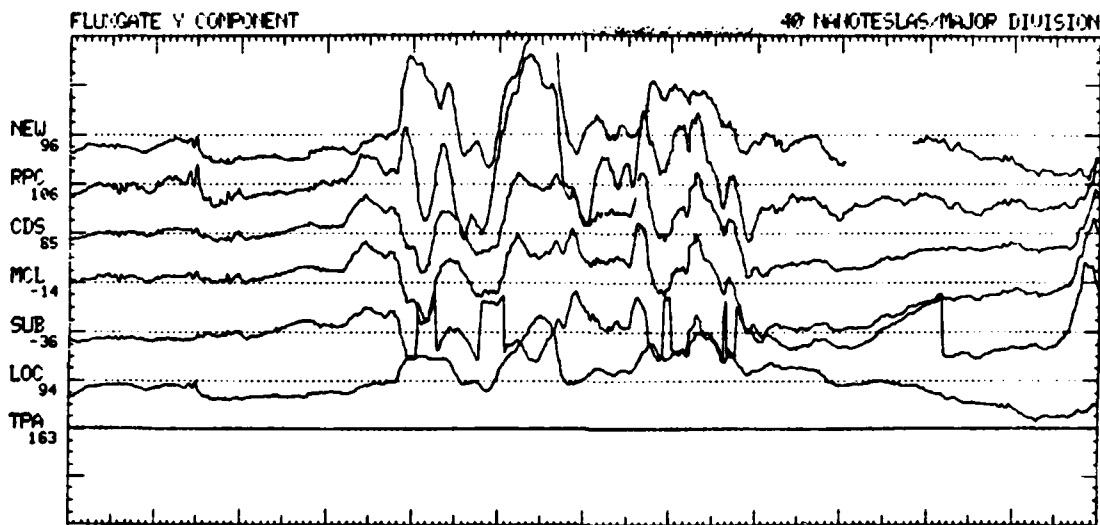
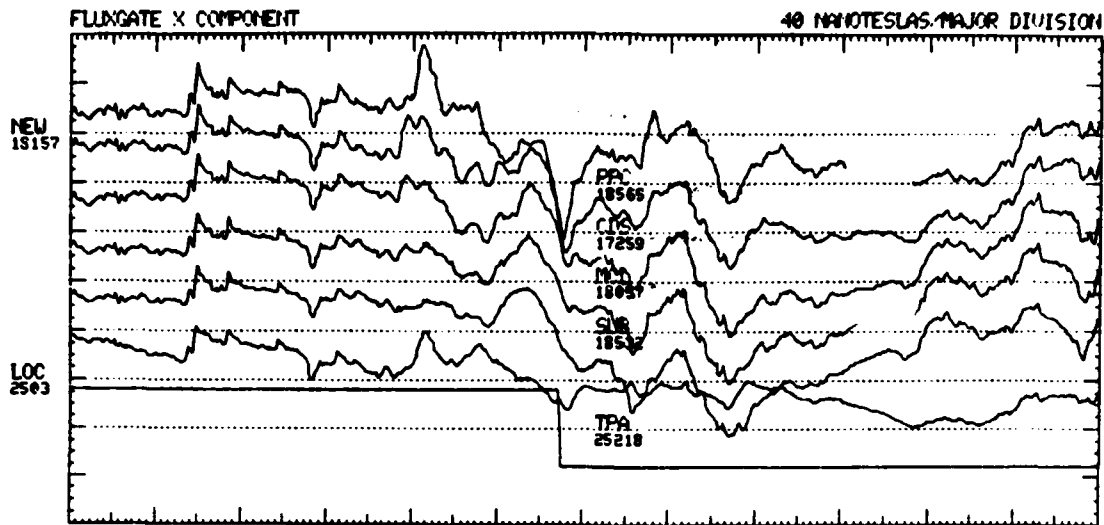


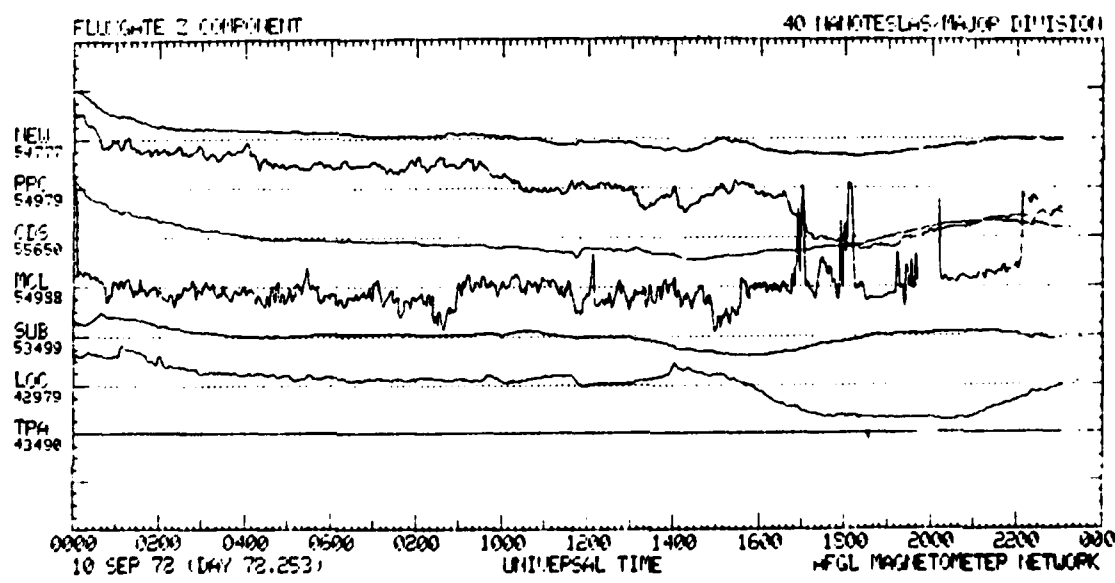
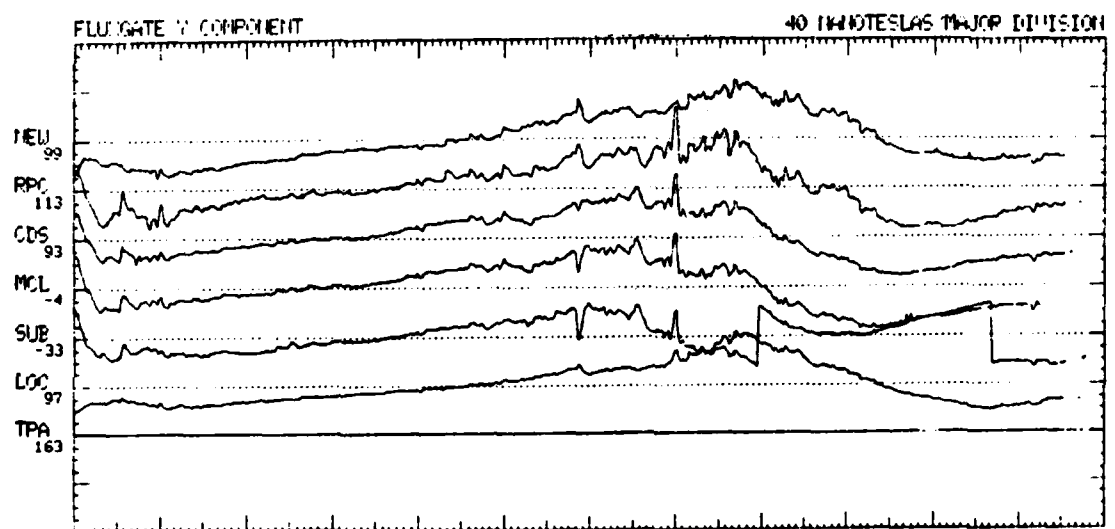
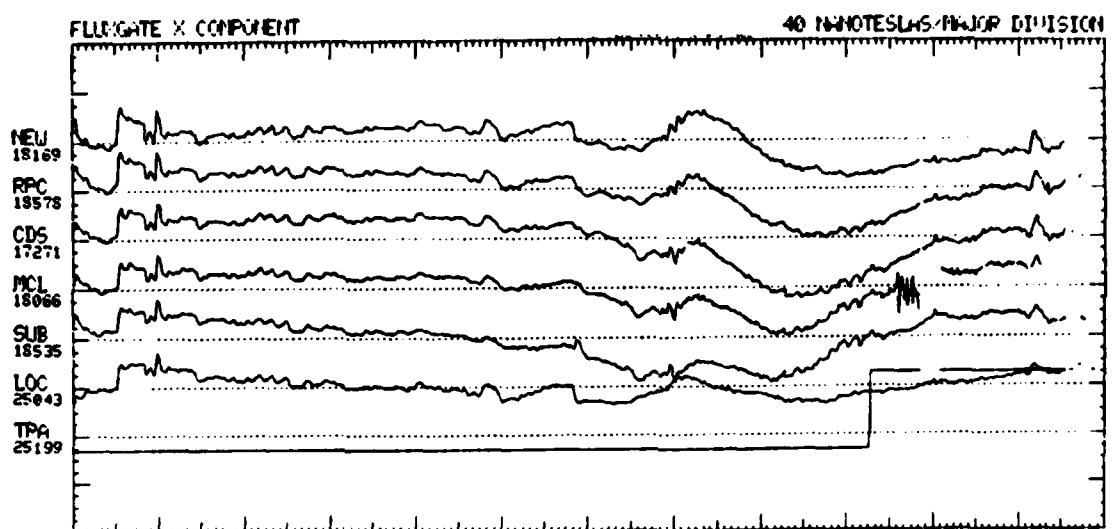


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 06 SEP 72 (DAY 72.249) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

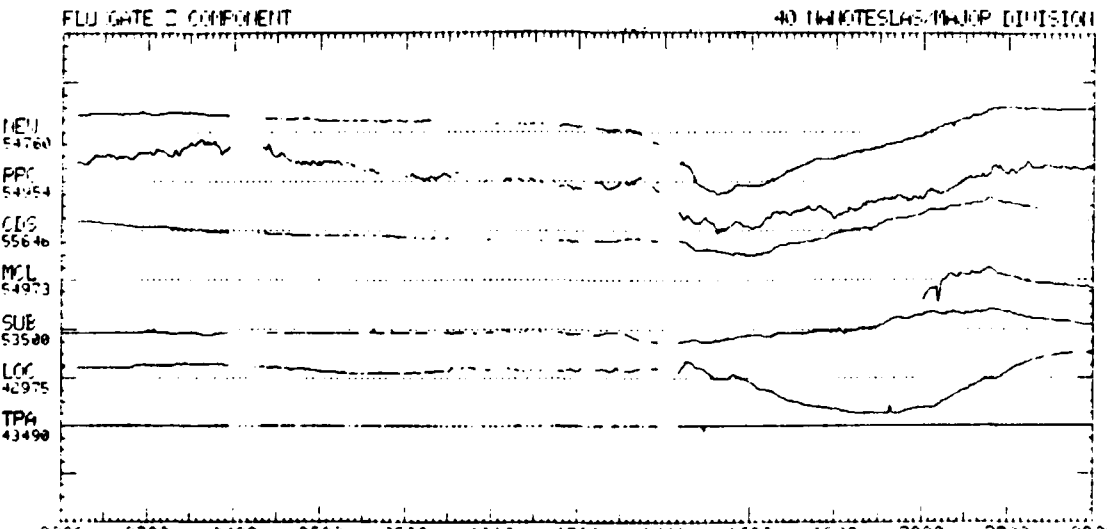
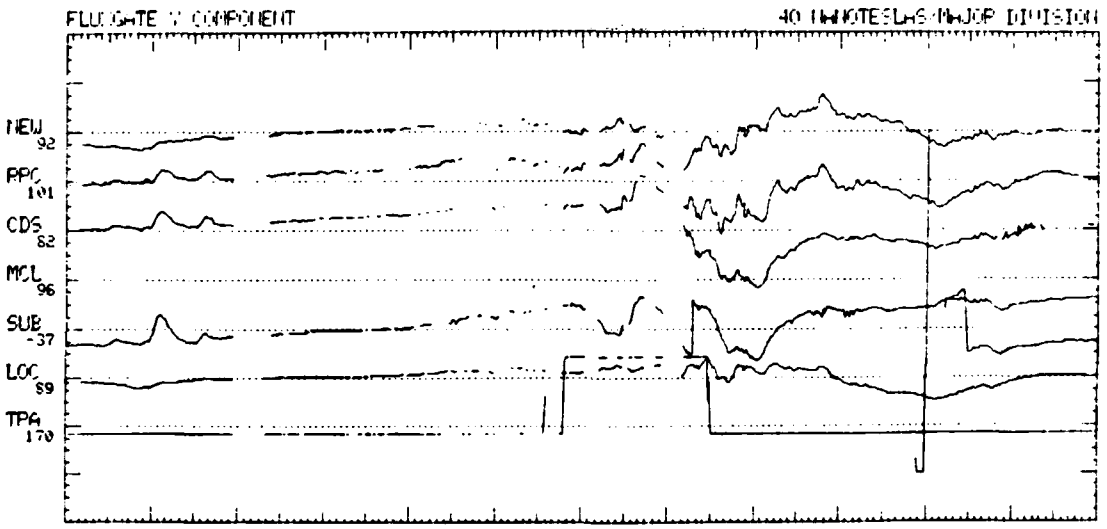
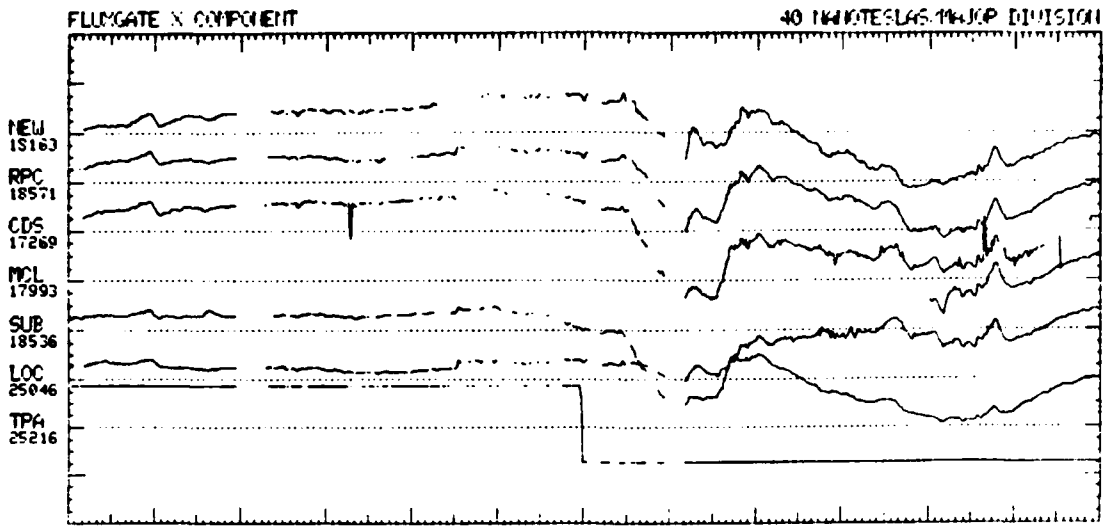








0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
 10 SEP 72 (DAY 72.253) UNIVERSAL TIME HFGI MAGNETOMETER NETWORK

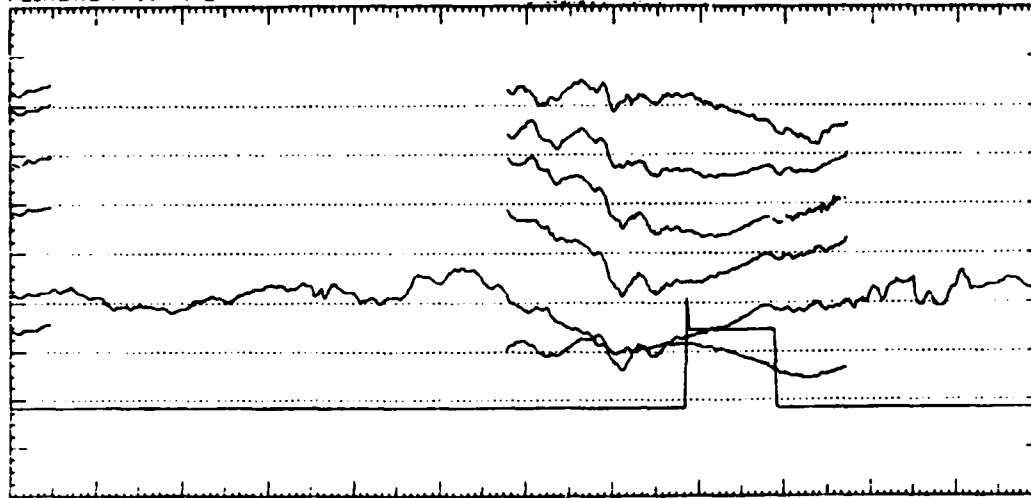


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 2400
 11 SEP 72 (DAY 72.254) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLLIGHT X COMPONENT

40 NANOTESLAS MAJOR DIVISION

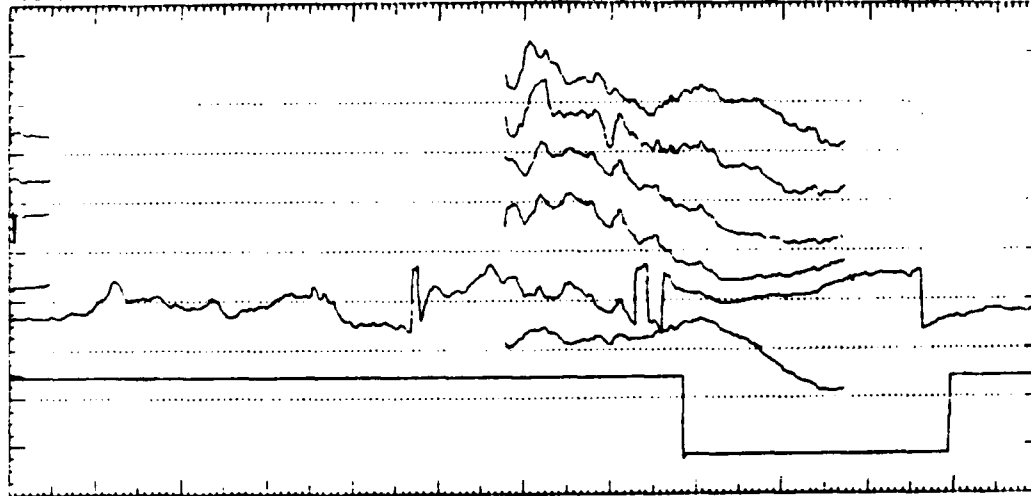
NEU
18150
RPC
18532
CDS
17246
MCL
17978
SUB
18546
LOC
25038
TPA
25193



FLLIGHT Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

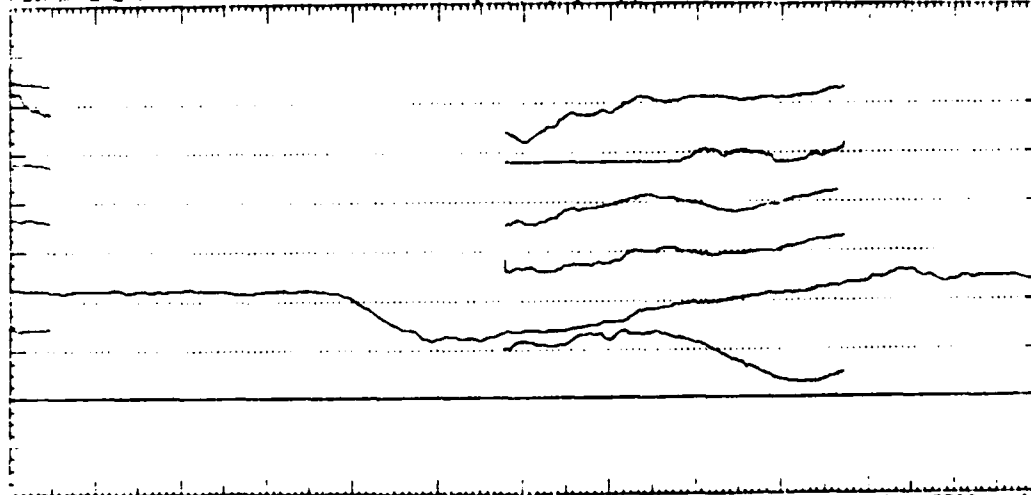
NEU
113
RPC
122
CDS
94
MCL
109
SUB
-35
LOC
11
TPA
146



FLLIGHT Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54760
RPC
54920
CDS
55620
MCL
54939
SUB
53493
LOC
42979
TPA
43490

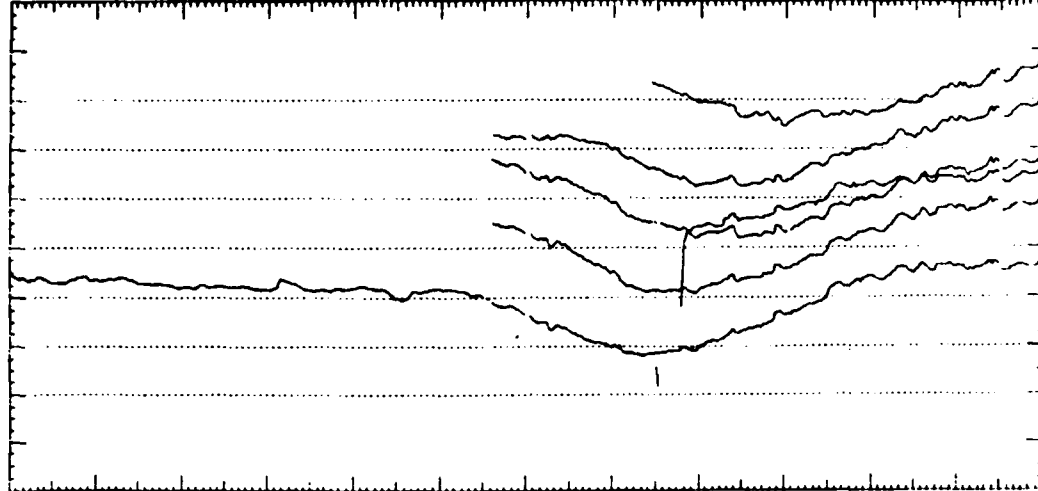


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
12 SEP 72 (DAY 72.255) UT/PSL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 THUNTESLAS MAJOR DIVISION

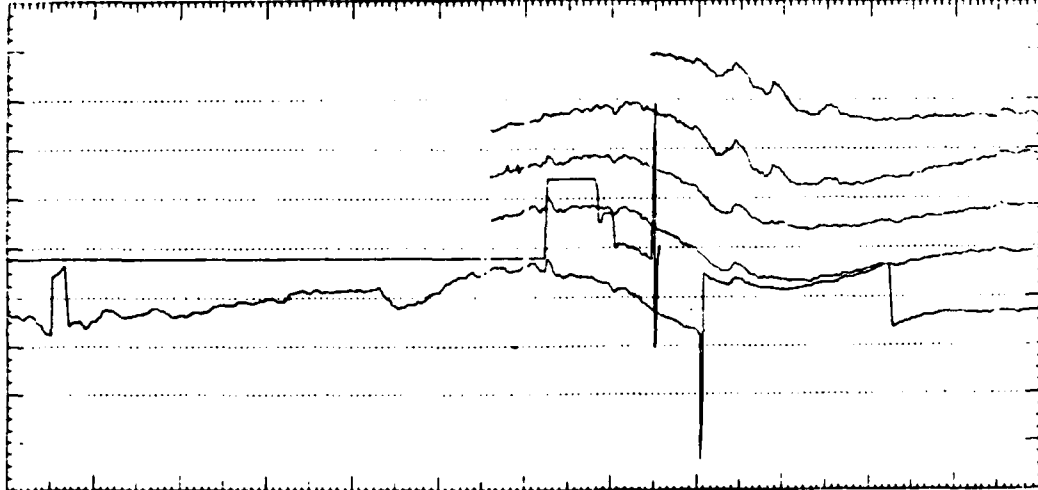
NEW 18153
RPC 18548
CDS 17266
MCL 17936
SUB 18540
LOC 25032
TPA 25275



FLIGHTLINE Y COMPONENT

40 THUNTESLAS MAJOR DIVISION

NEW 94
RPC 106
CDS 87
MCL 157
SUB -31
LOC 102
TPA 51

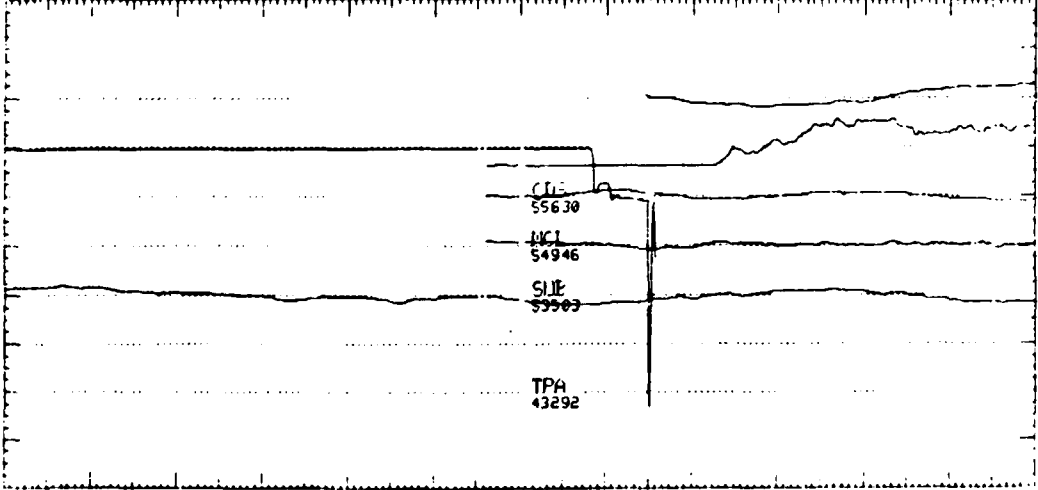


FLIGHTLINE Z COMPONENT

40 THUNTESLAS MAJOR DIVISION

NEW 54763
RPC 5492
LOC 42973

CDC 55630
MCL 54946
SJE 53503
TPA 43292

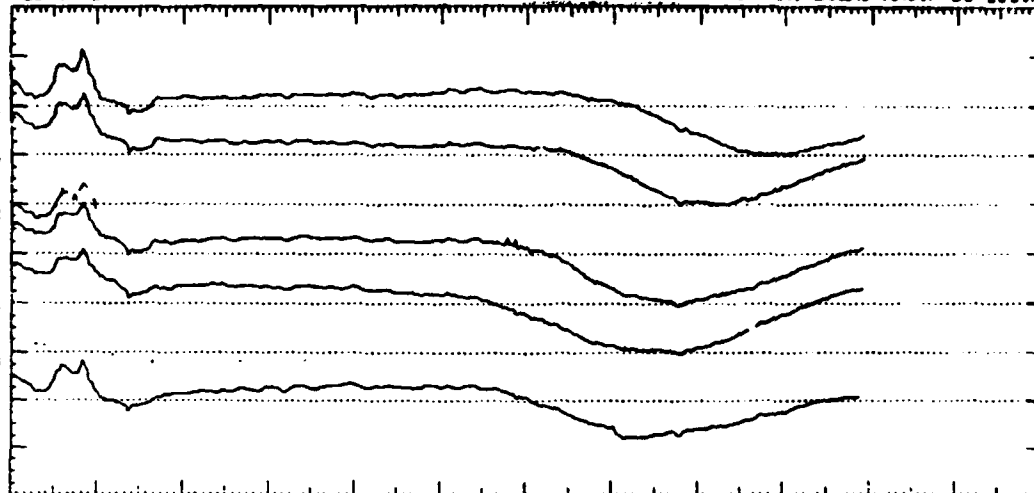


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
13 SEP 72 (DAY 72.256) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT 2 COMPONENT

40 MINUTES/MAJOR DIVISION

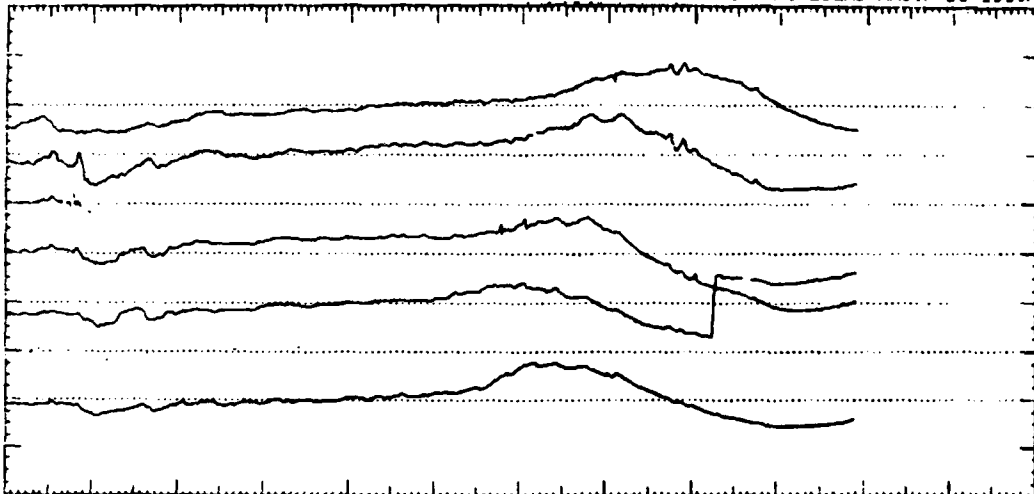
NEW 18172
RPC 18557
CDS 17302
MCL 19002
SUB 18537
LOC 25063
TPA 25440



FLIGHT 7 COMPONENT

40 MINUTES/MAJOR DIVISION

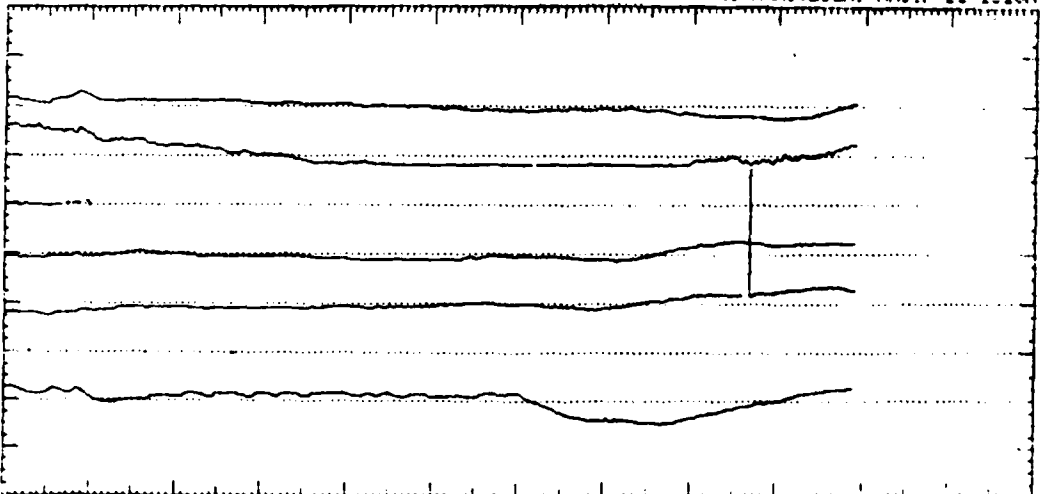
NEW 98
RPC 106
CDS 79
MCL 152
SUB 33
LOC 87
TPA 141



FLIGHT 2 COMPONENT

40 MINUTES/MAJOR DIVISION

NEW 54769
RPC 54920
CDS 55627
MCL 54949
SUB 53505
LOC 42988
TPA 42944

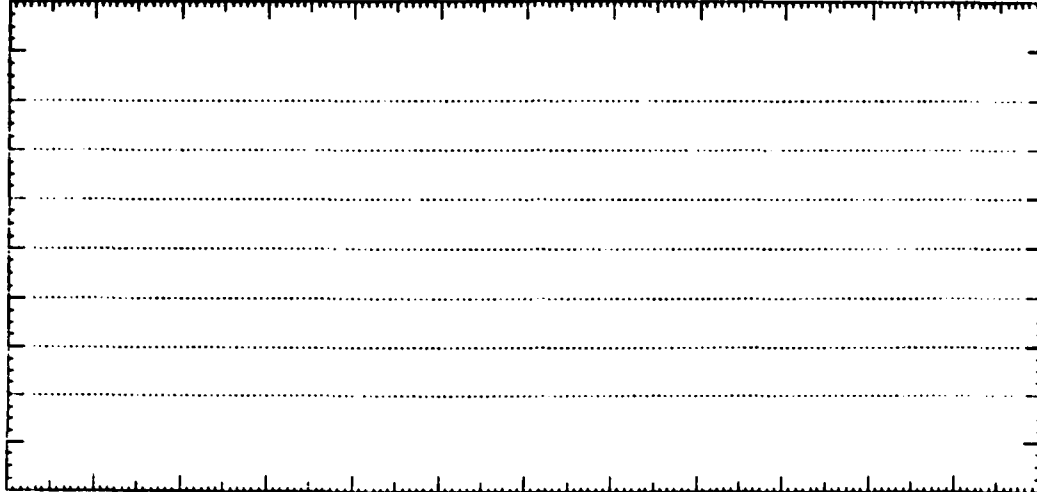


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
14 SEP 72 (047 78.257) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

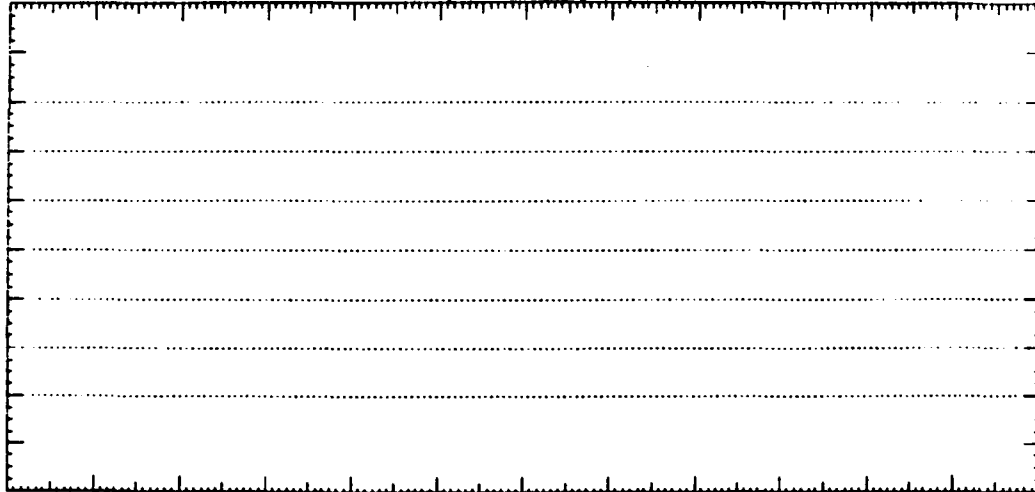
NEW
13172
RPC
13557
CDS
17302
MCL
18002
SUB
18537
LOC
25063
TPA
25440



FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

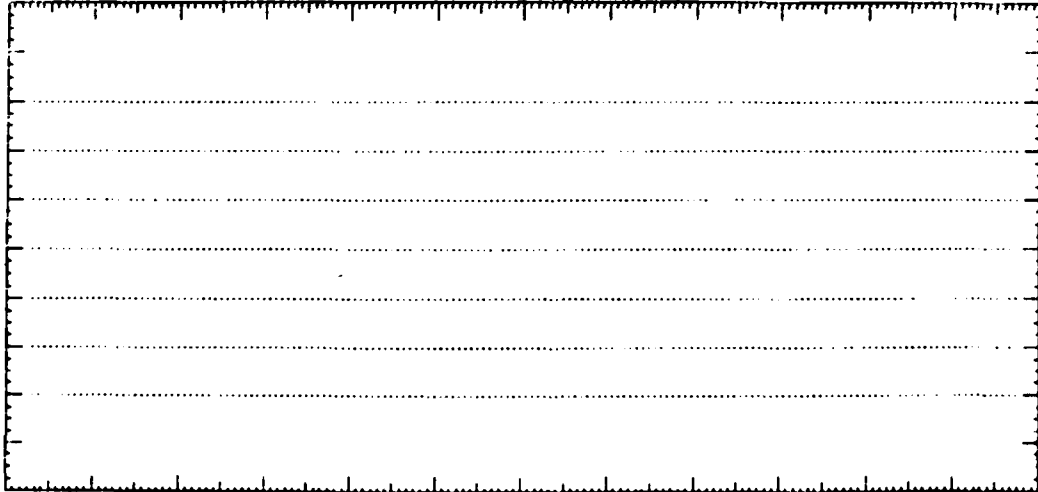
NEW
98
RPC
106
CDS
79
MCL
152
SUB
-33
LOC
87
TPA
-141



FLUNGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54769
RPC
54920
CDS
55627
MCL
54949
SUB
53505
LOC
42988
TPA
42944



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
15 SEP 78 (DAY 78.258) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU 18172
RPC 18557
CDS 17382
MCL 18082
SUB 18537
LOC 25063
TPA 25448

FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

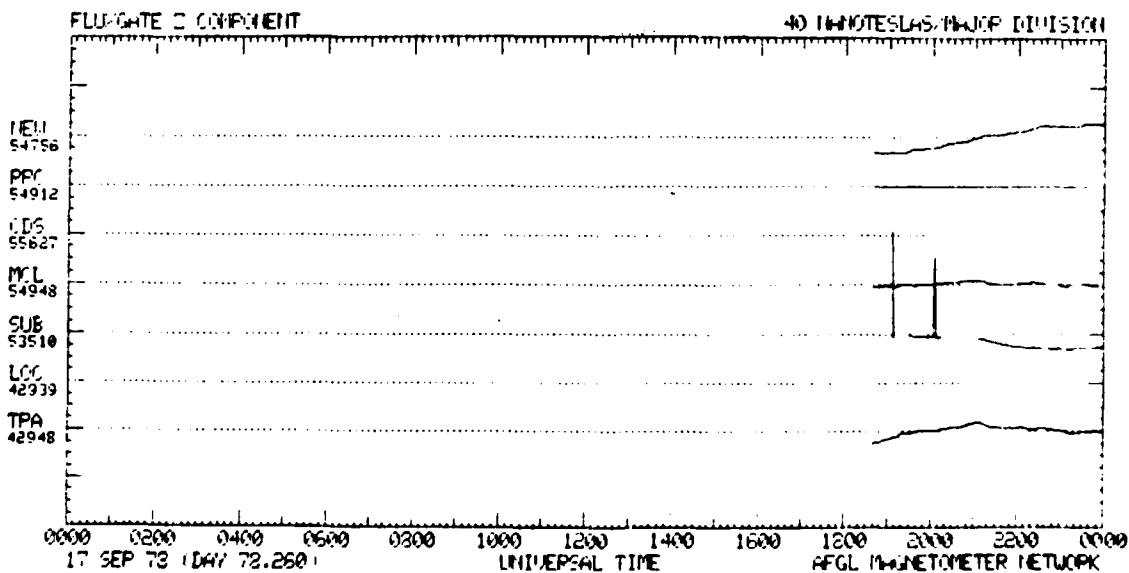
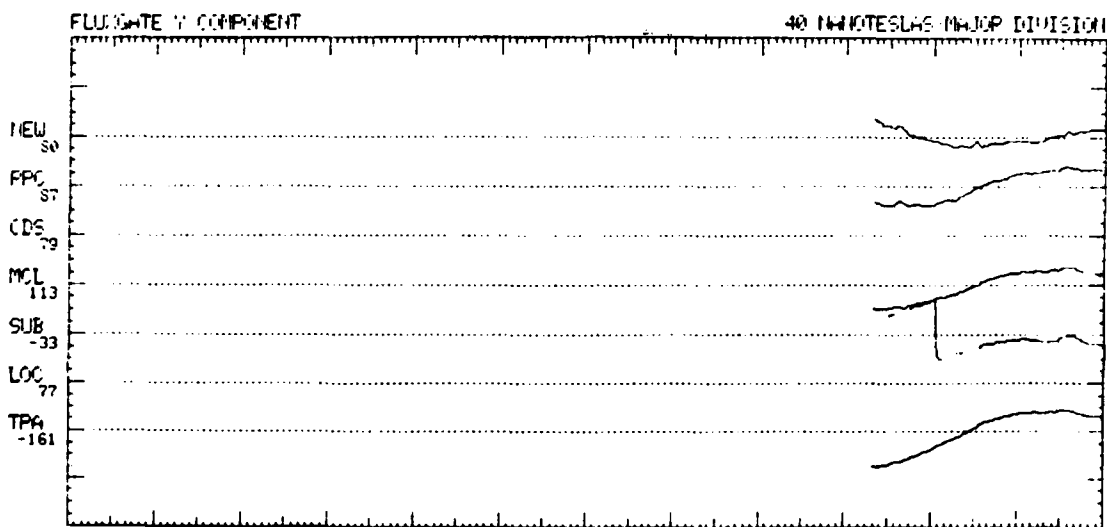
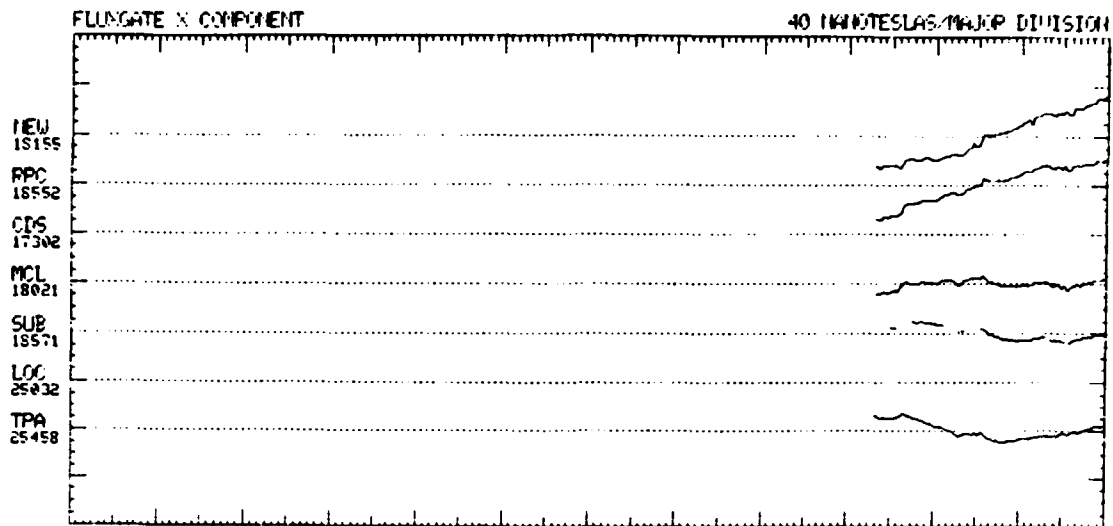
NEU 99
RPC 126
CDS 79
MCL 152
SUB -33
LOC 87
TPA -141

FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

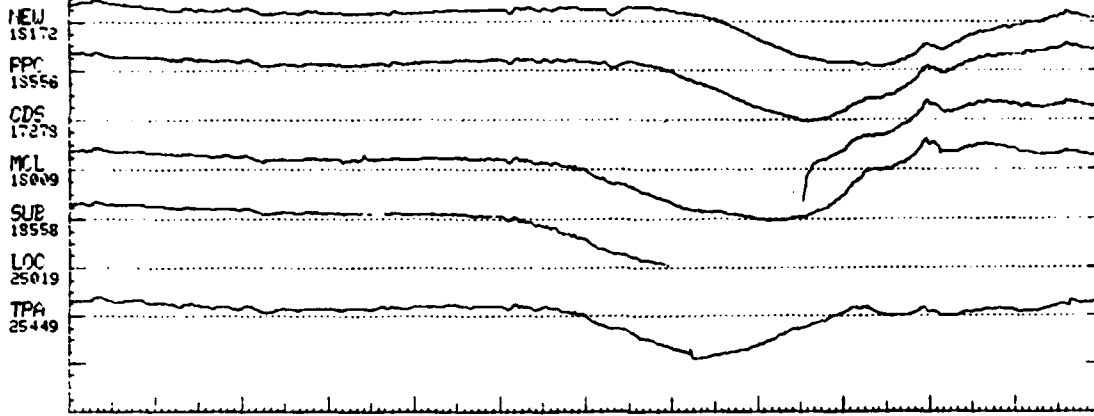
NEU 54759
RPC 54920
CDS 55627
MCL 54949
SUB 53505
LOC 42988
TPA 42944

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
16 SEP 78 (DAY 78.259) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



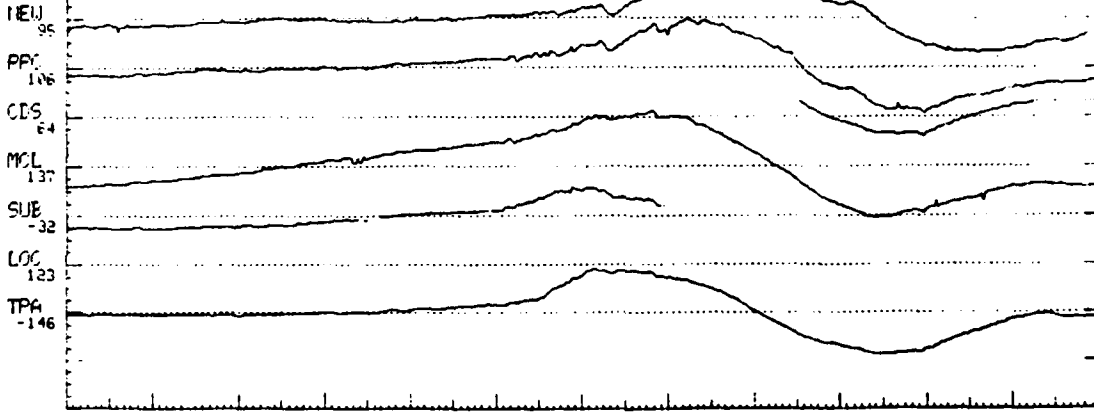
FLIGHT 1 COMPONENT

40 NANOTESLA-MAJOR DIVISION



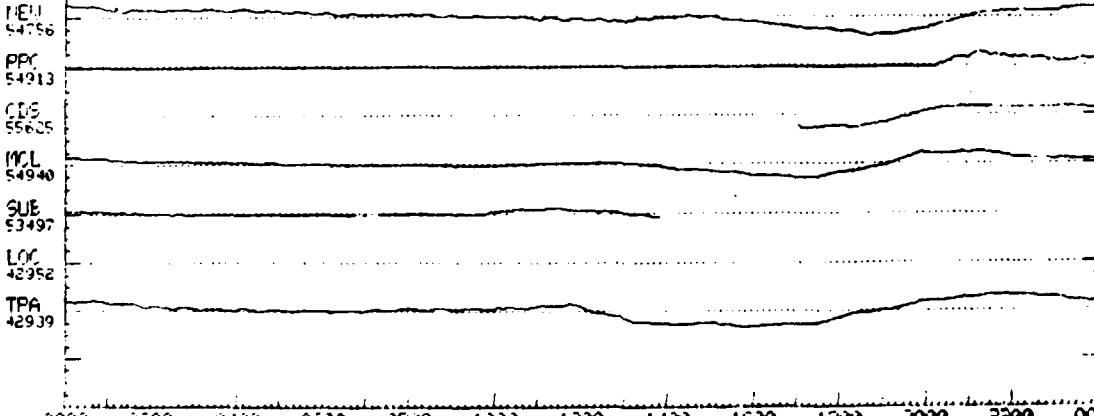
FLIGHT 1 COMPONENT

40 NANOTESLA-MAJOR DIVISION

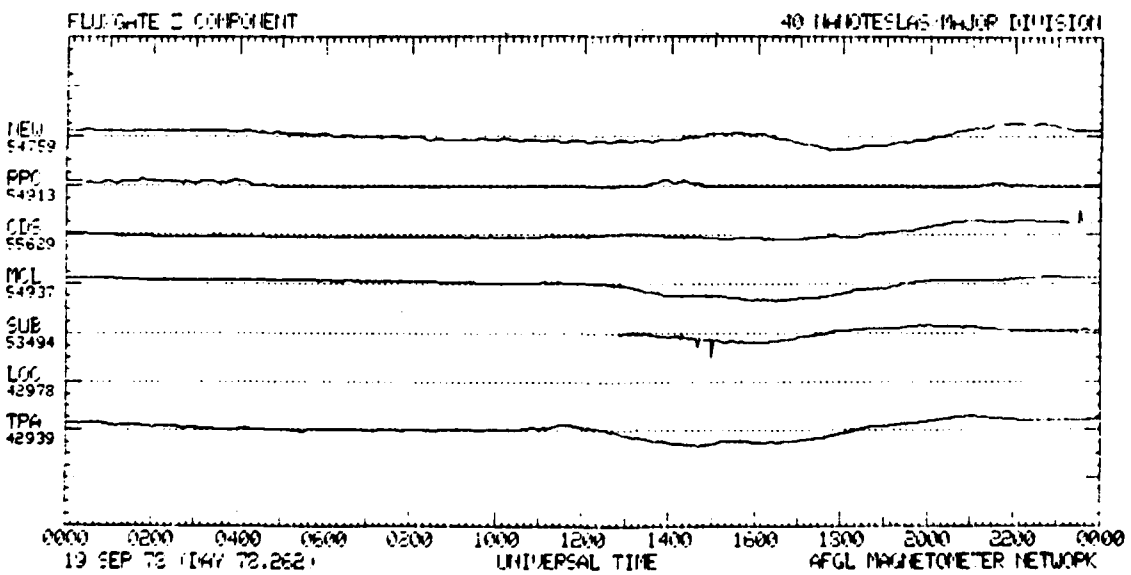
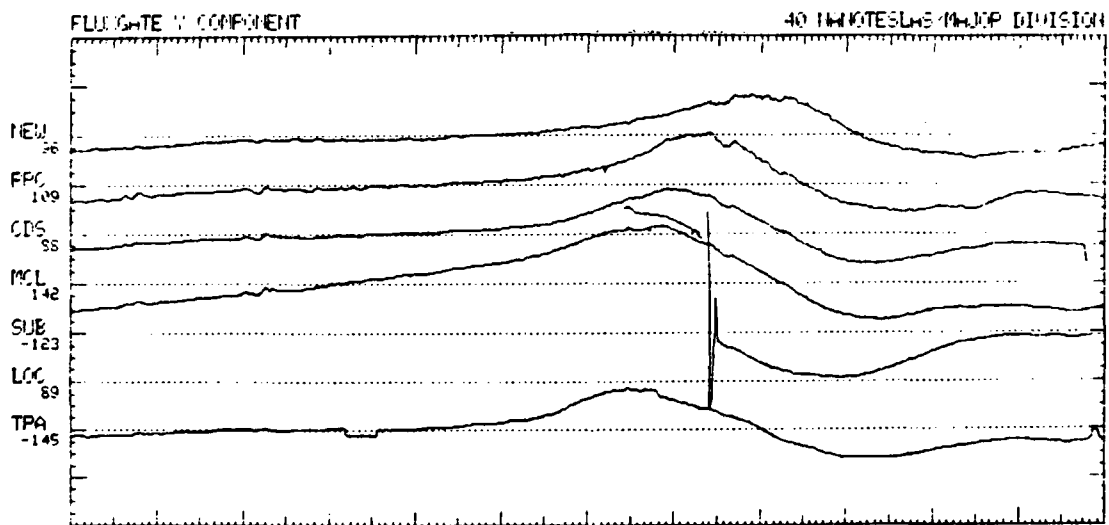
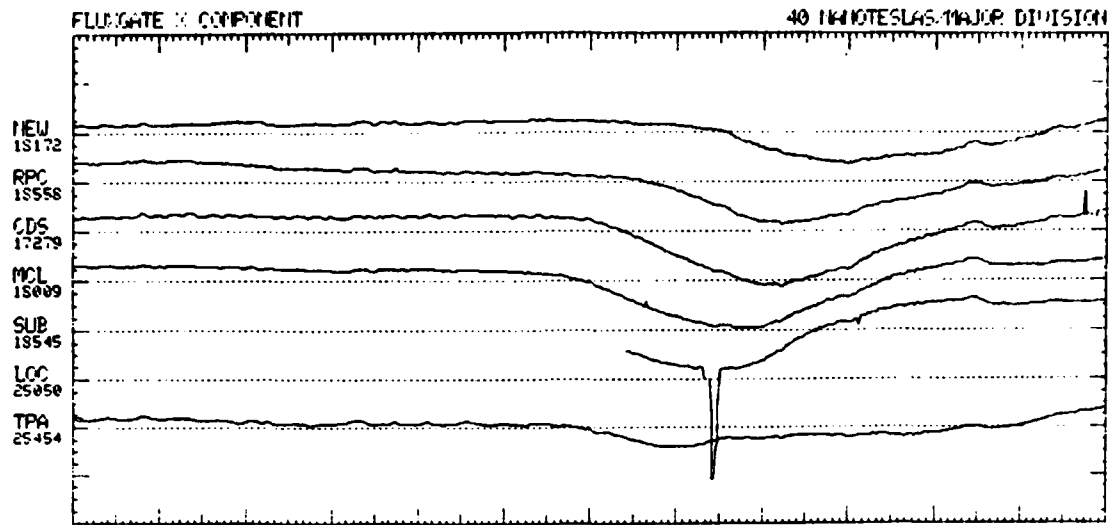


FLIGHT 2 COMPONENT

40 NANOTESLA-MAJOR DIVISION

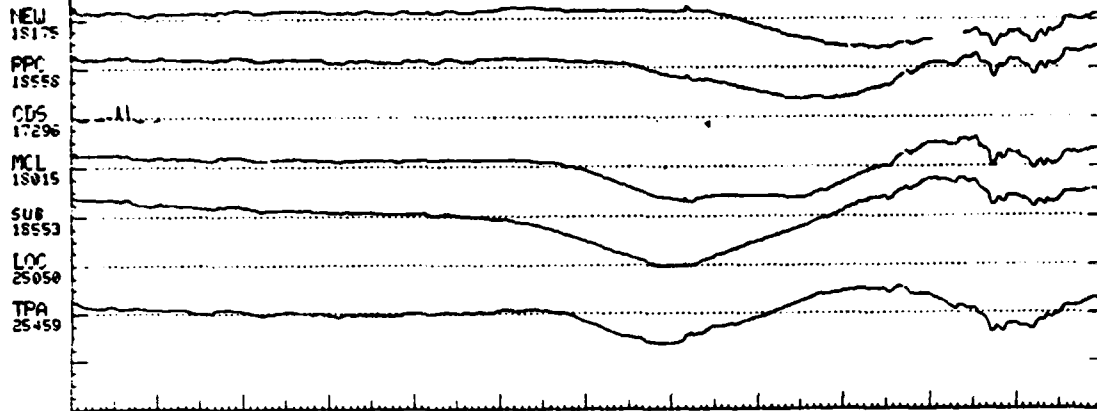


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 13 SEP 70 1047 78.861
 UNIFORM TIME AFGL MAGNETOMETER NETWORK



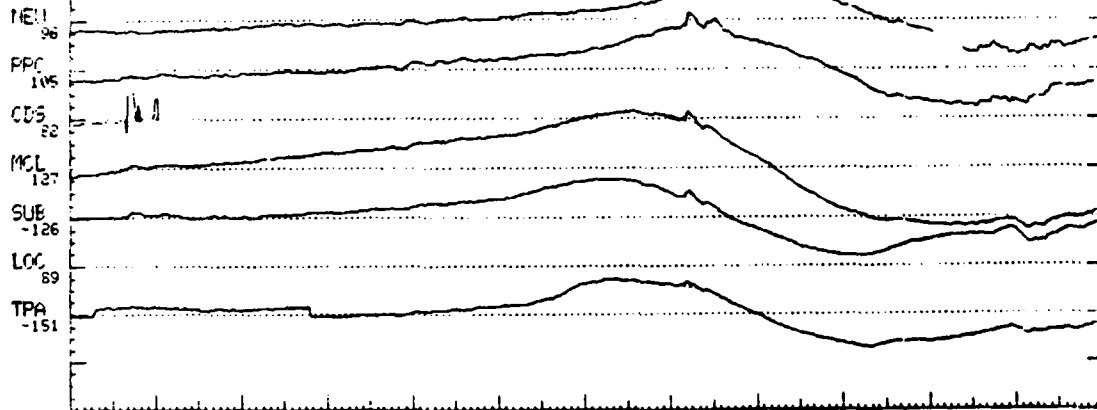
FLIGHTLINE X COMPONENT

40 INKOTESLAS/MAJOR DIVISION



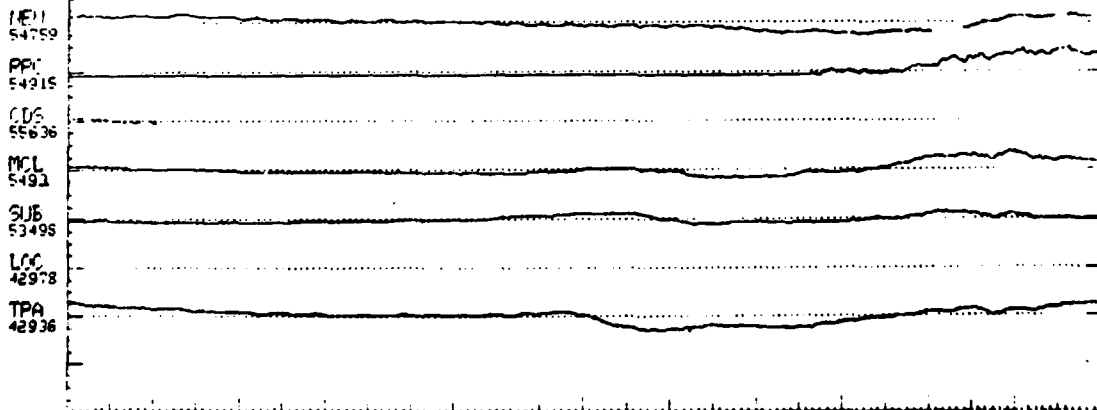
FLIGHTLINE Y COMPONENT

40 INKOTESLAS/MAJOR DIVISION

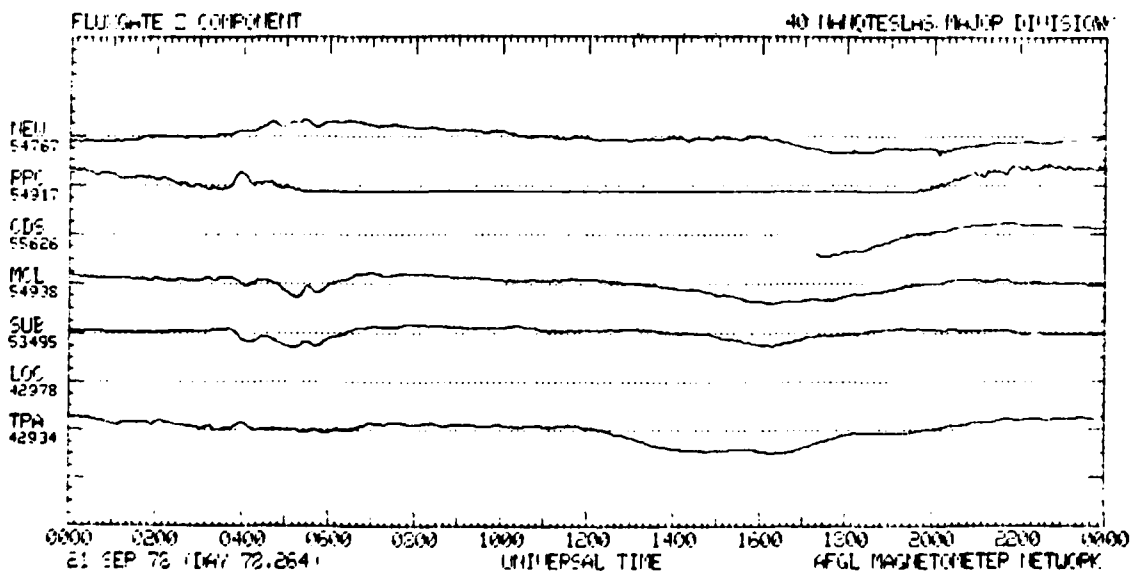
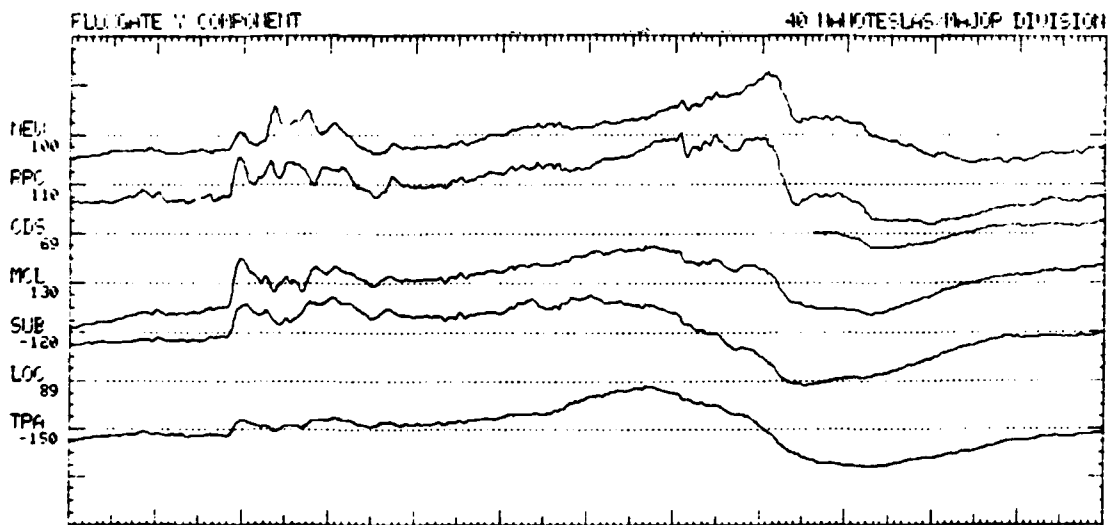
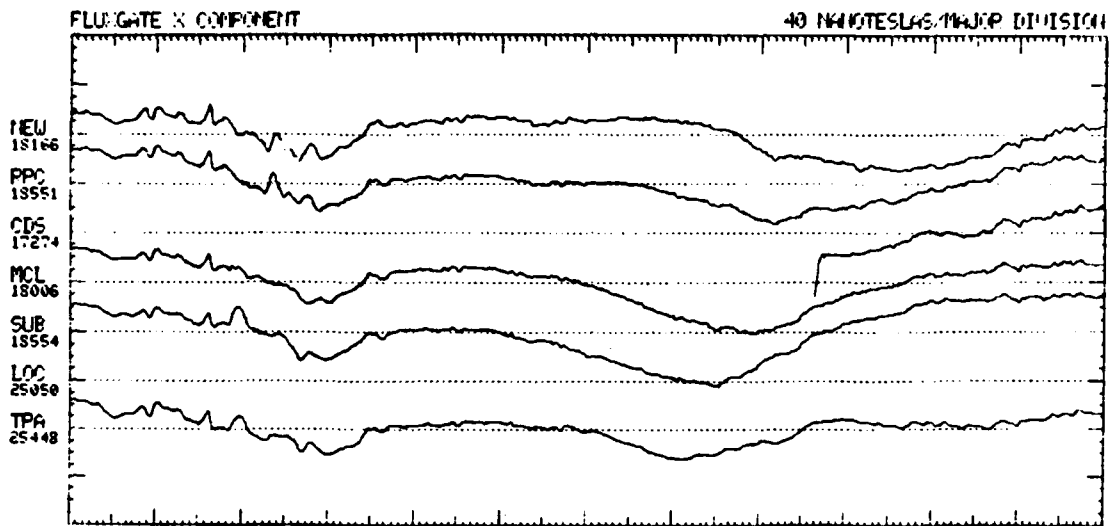


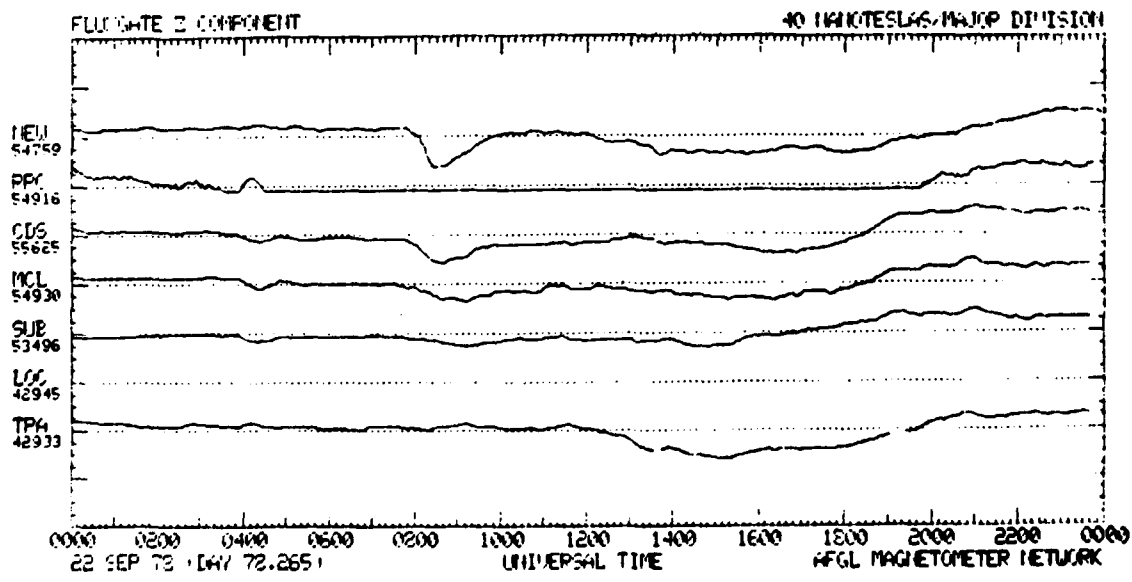
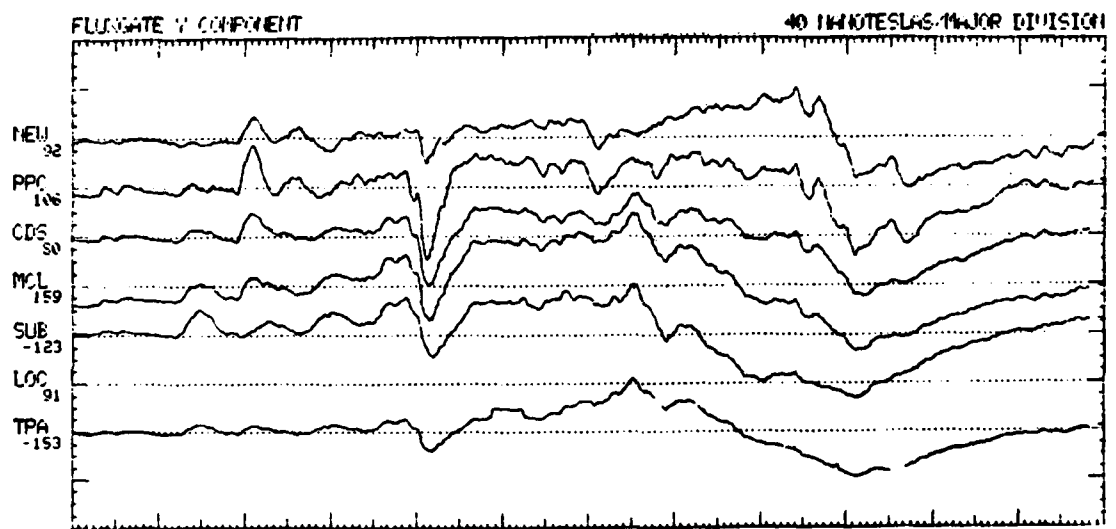
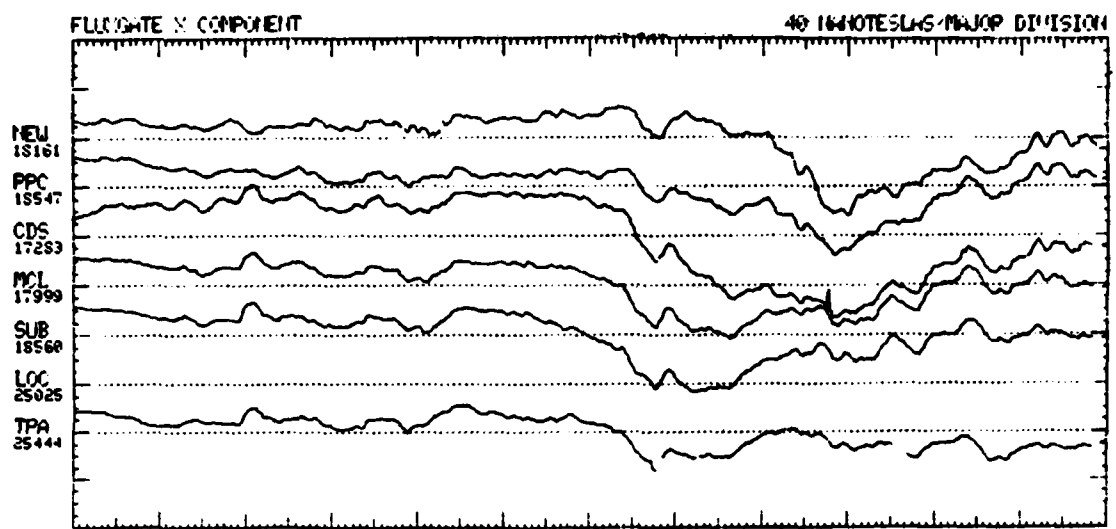
FLIGHTLINE Z COMPONENT

40 INKOTESLAS/MAJOR DIVISION



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 20 SEP 72 (DAY 72.253) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

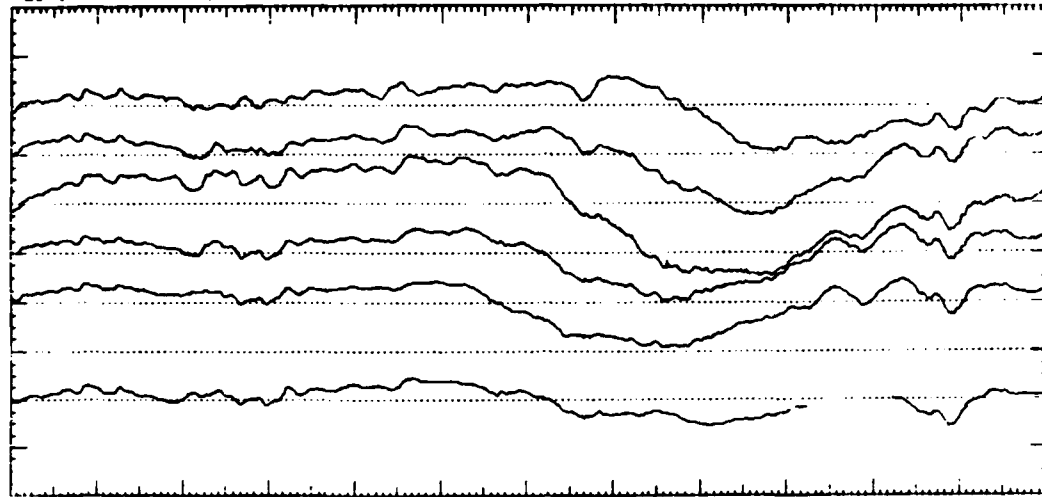




FLIGHT X COMPONENT

40 INWOTESLAS-MAJOR DIVISION

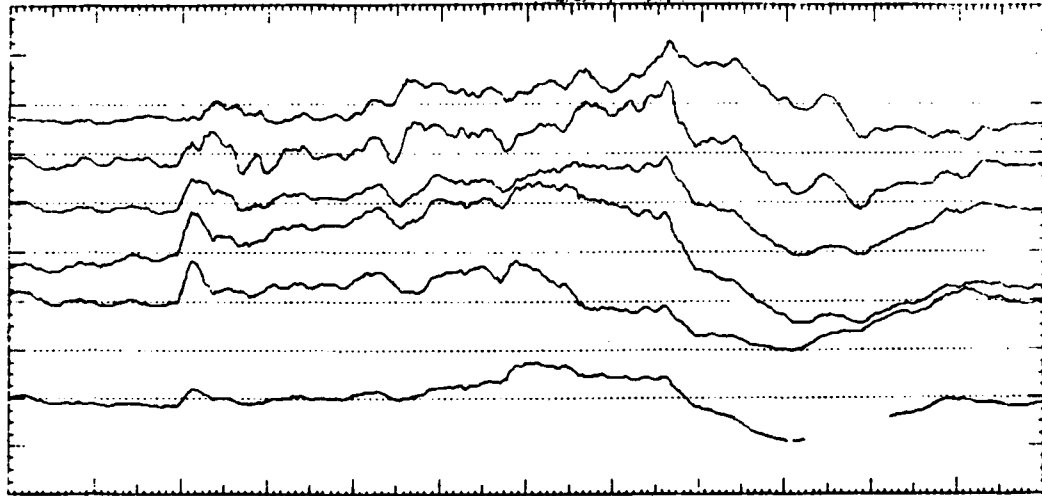
NEU
18157
RPC
19552
CDS
17282
MCL
17996
SUB
18553
LOC
25042
TPA
25437



FLIGHT Y COMPONENT

40 INWOTESLAS-MAJOR DIVISION

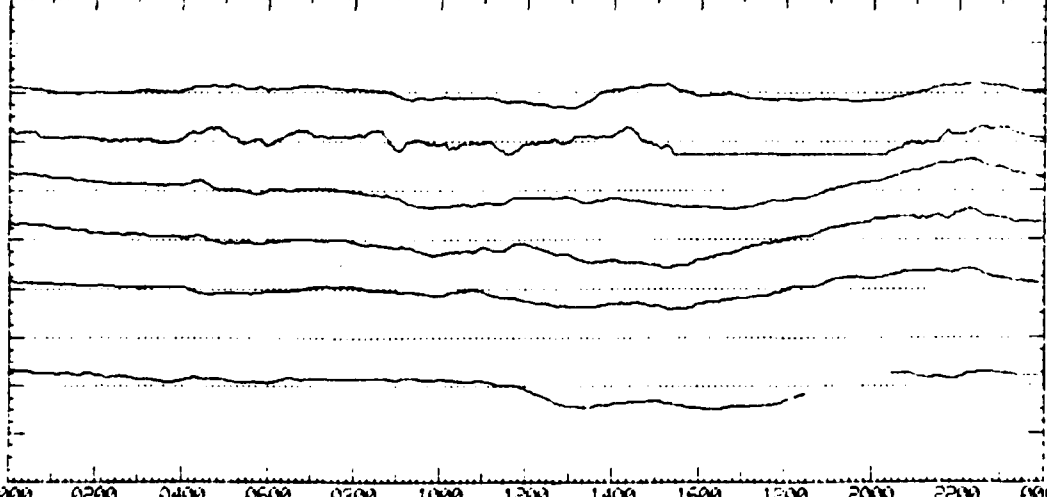
NEU
104
RPC
114
CDS
S
MCL
168
SUB
-11
LOC
105
TPA
-150



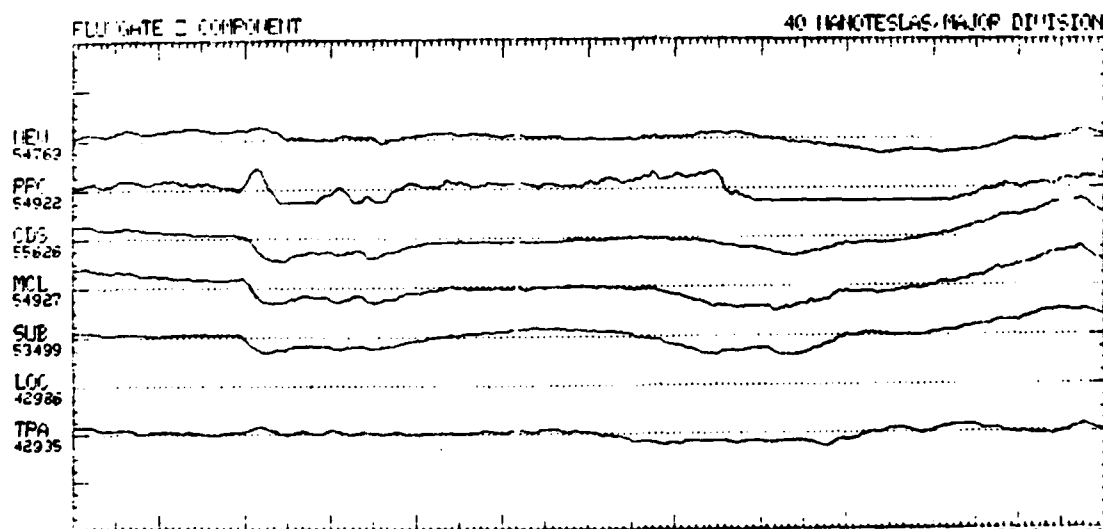
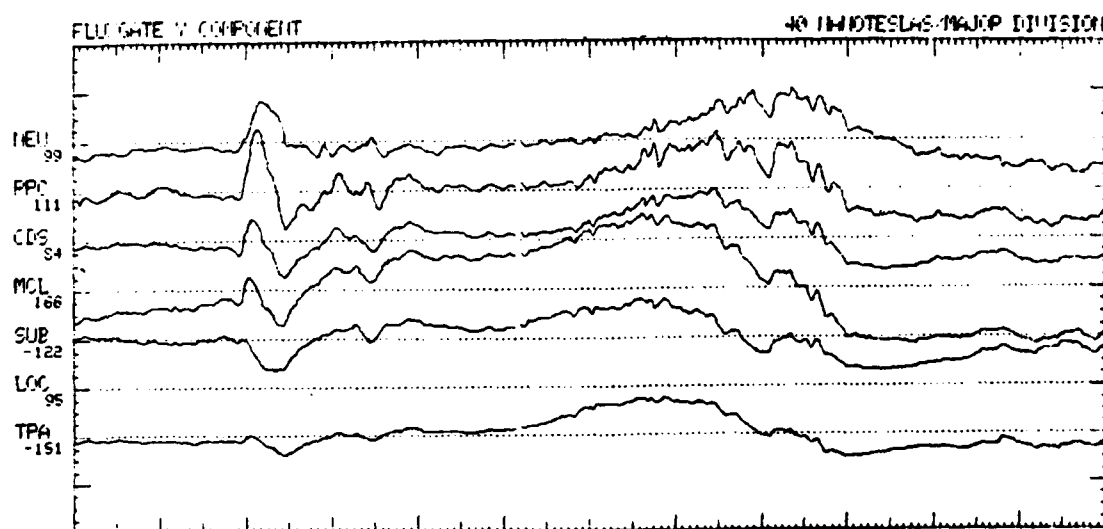
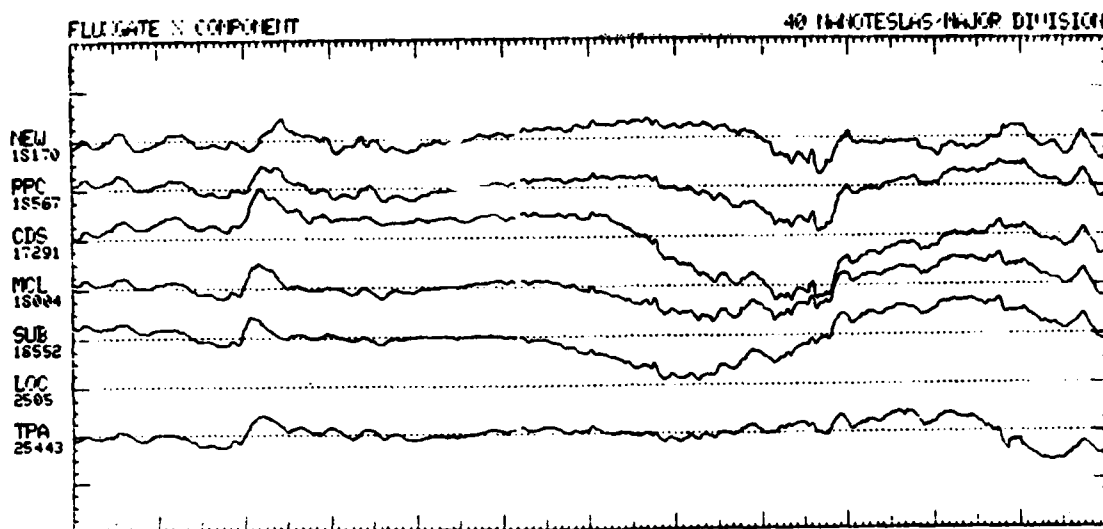
FLIGHT Z COMPONENT

40 INWOTESLAS-MAJOR DIVISION

NEU
54770
RPC
54922
CDS
55625
MCL
54929
SUB
53499
LOC
42986
TPA
42933



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
23 SEP 72 (147 72.266) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

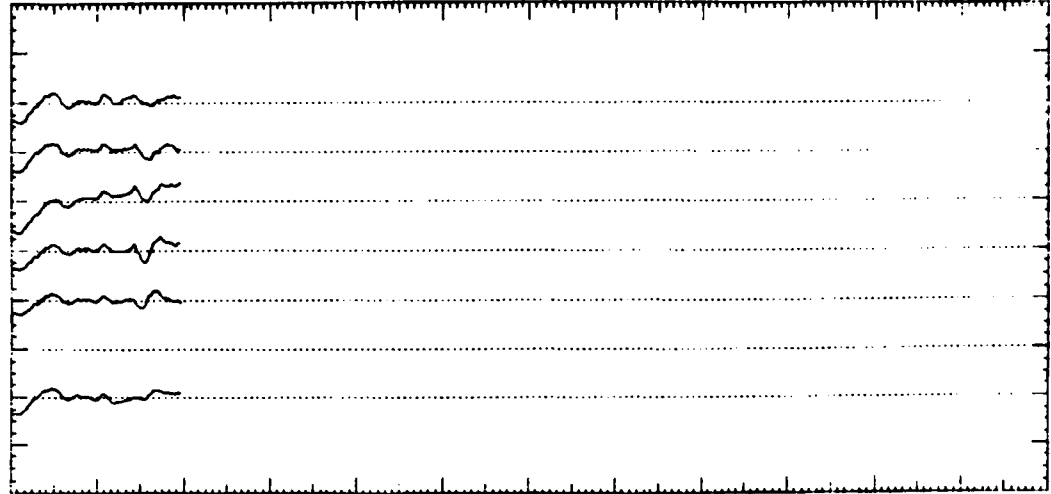


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 24 SEP 73 (147 73.267) UNIVERSAL TIME HFGL MAGNETOMETER NETWORK

FLIGHTGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

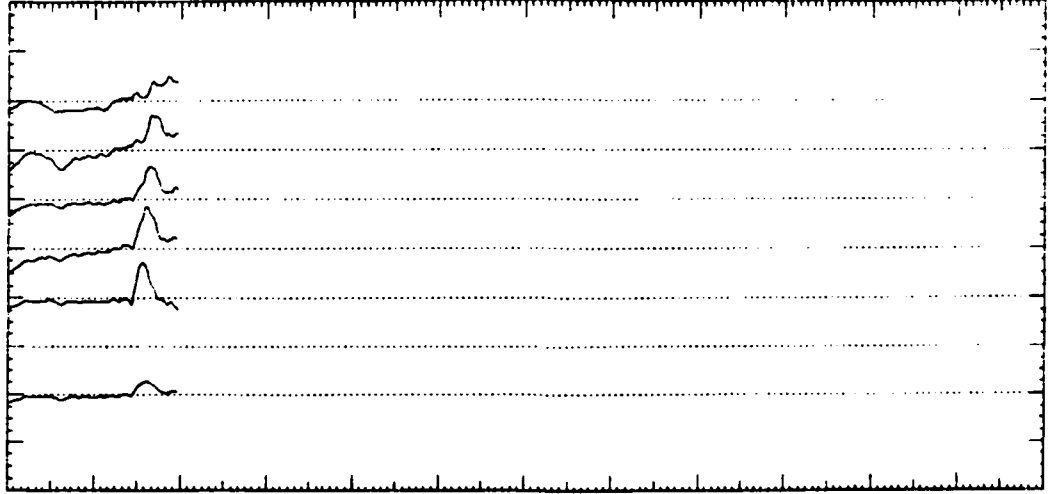
NEW
18171
RPC
18577
CDS
17301
MCL
18008
SUB
18558
LOC
25064
TPA
25441



FLIGHTGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

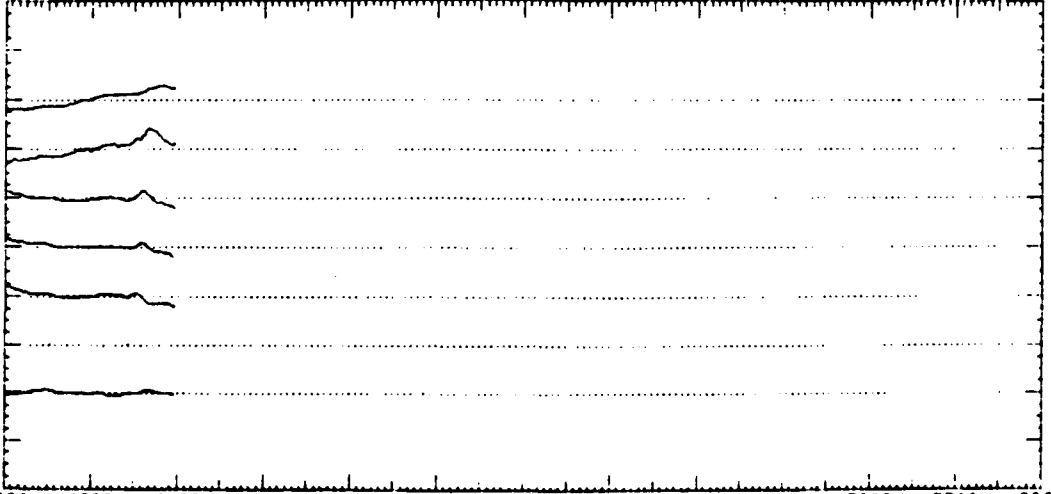
NEW
35
RPC
149
CDS
53
MCL
150
SUB
121
LOC
86
TPA
151



FLIGHTGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54781
RPC
54943
CDS
55640
MCL
54941
SUB
53506
LOC
42997
TPA
42932

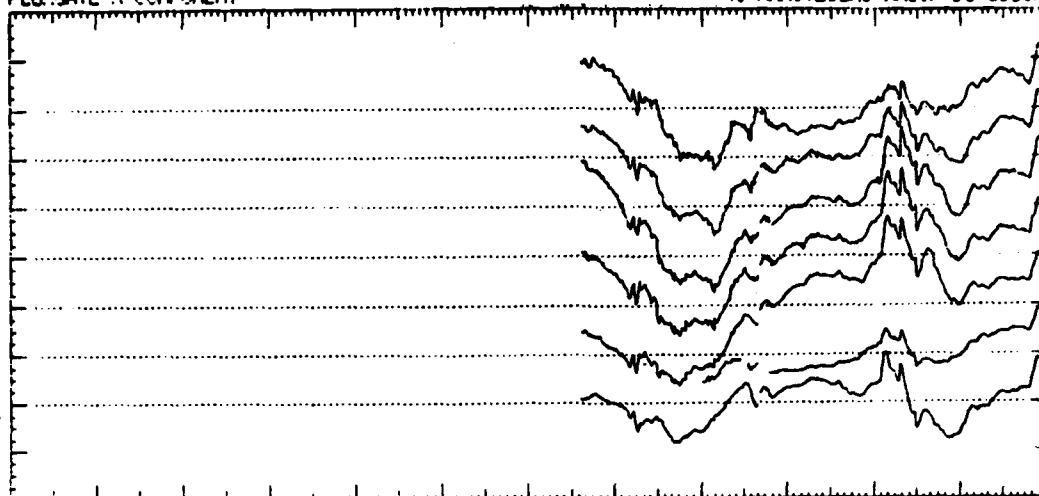


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
25 SEP 72 (IHW 72.262) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS MAJOR DIVISION

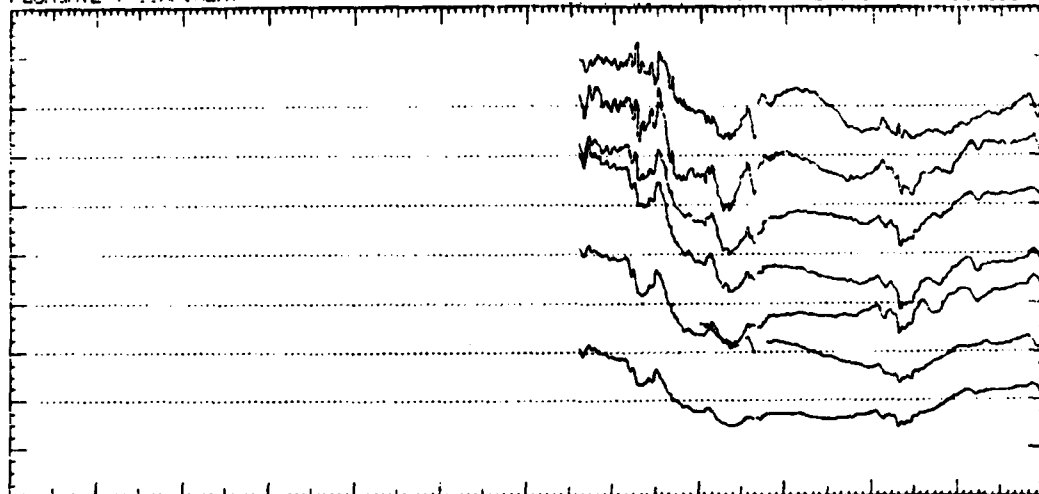
NEU
15142
RPC
15544
CDS
17249
MCL
17971
SUB
18515
LOC
25024
TPA
25416



FLIGHTLINE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

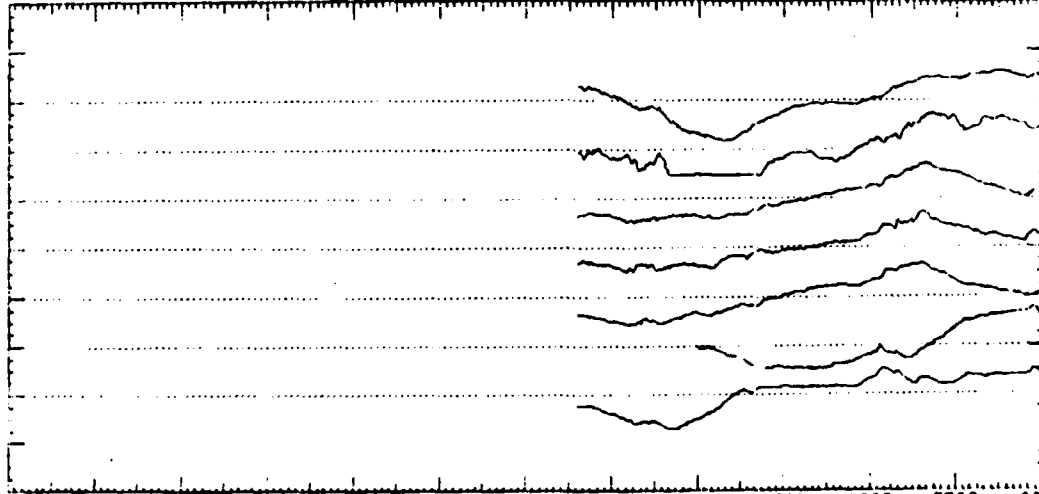
NEU
90
RPC
100
CDS
70
MCL
149
SUB
-149
LOC
34
TPA
-156



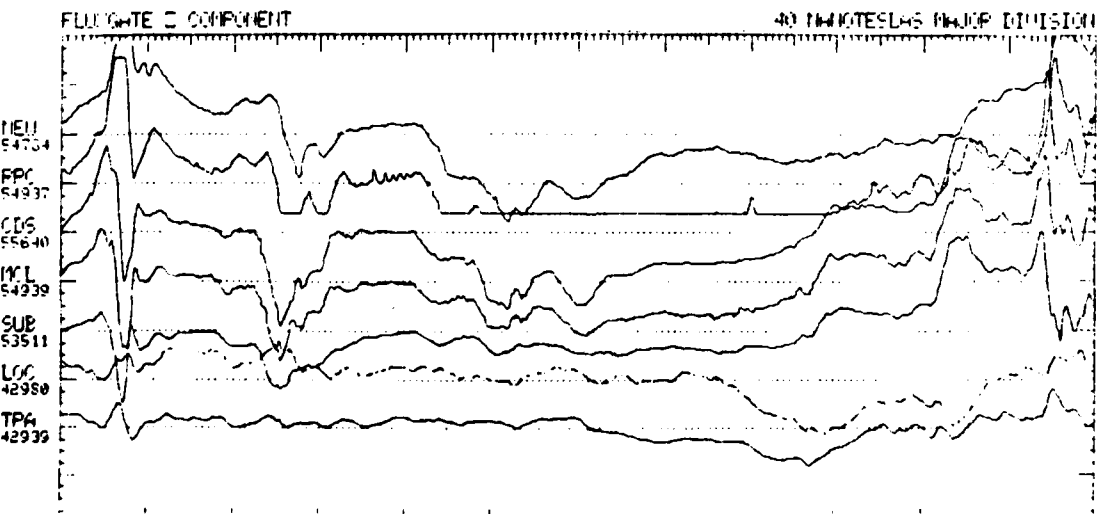
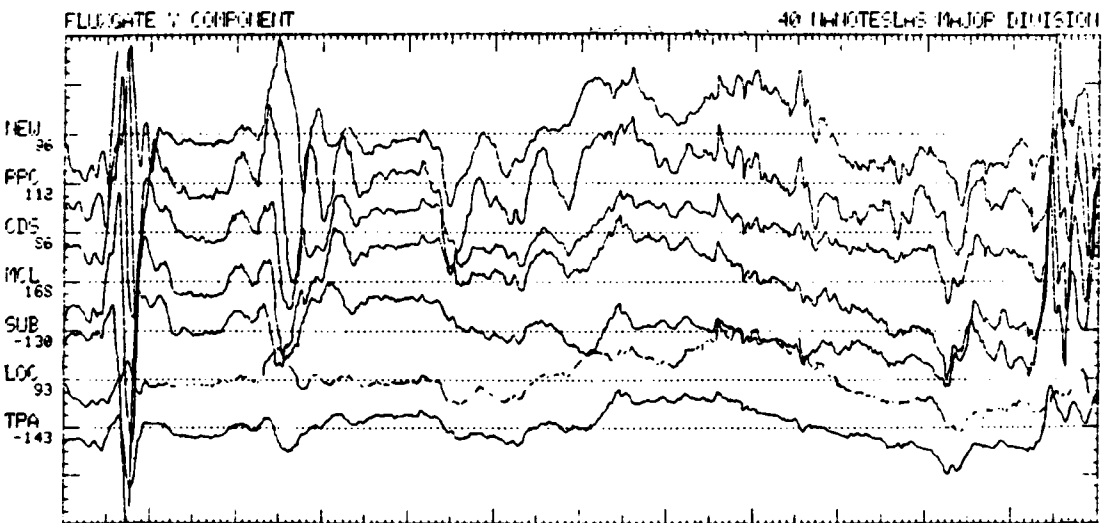
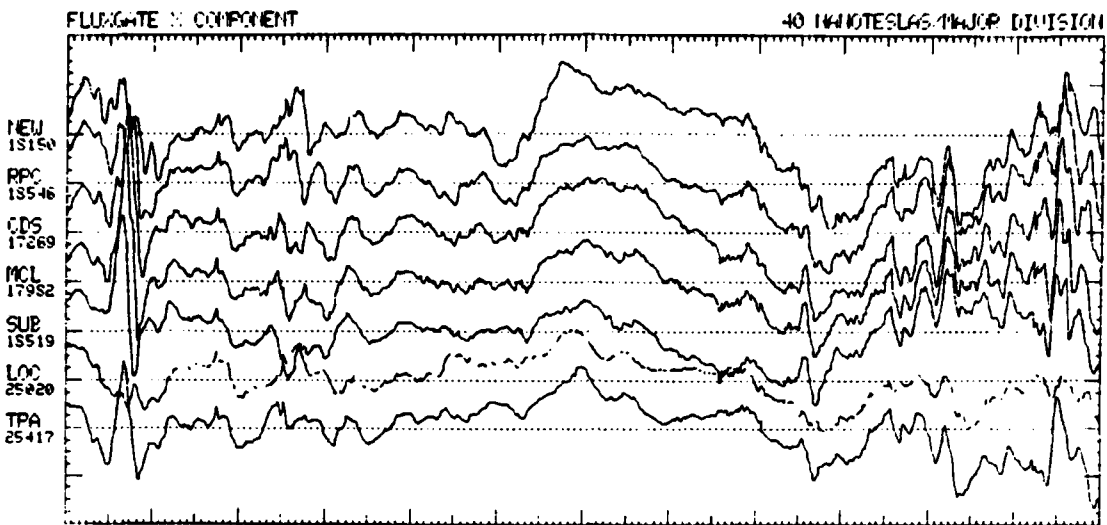
FLIGHTLINE Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54773
RPC
54933
CDS
55641
MCL
54938
SUB
53511
LOC
42973
TPA
42935



0900 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
26 SEP 73 (147 78.269) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

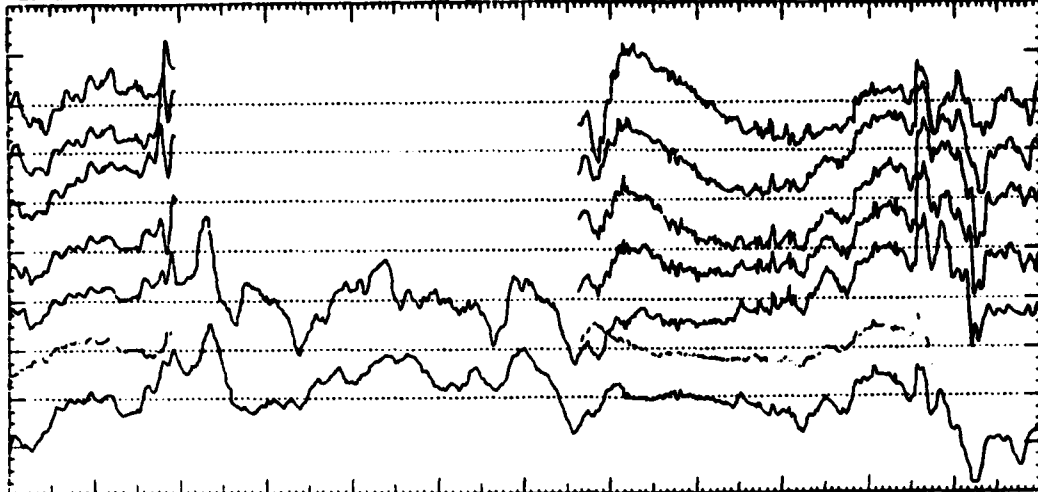


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 27 SEP 73 (DAY 73.270) ► UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

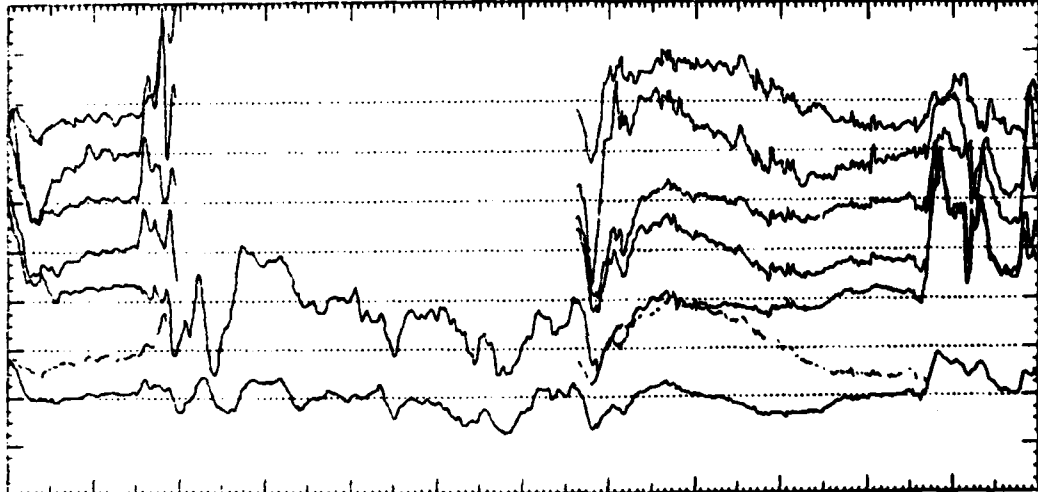
NEU
18130
RPC
18531
CDS
17254
MCL
17964
SUB
18509
LOC
25012
TPA
25410



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

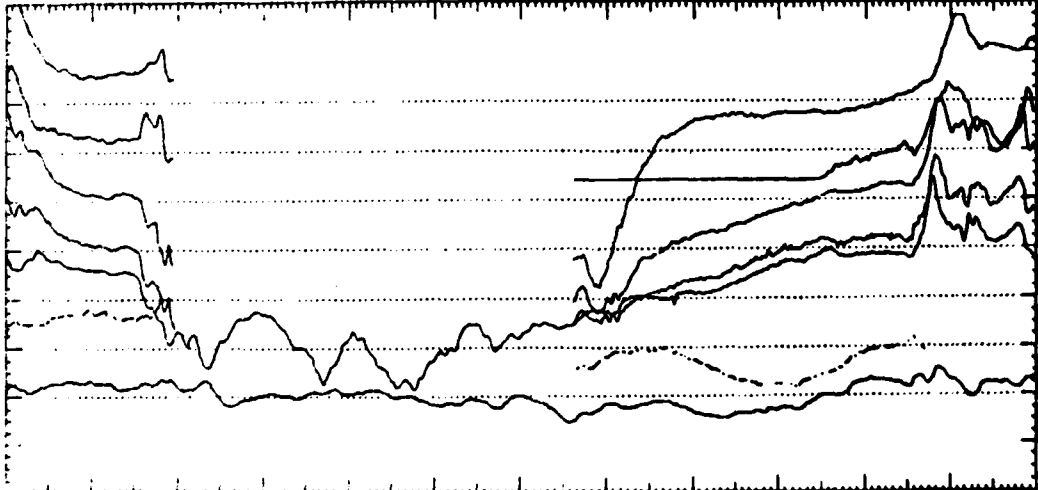
NEU
99
RPC
108
CDS
77
MCL
169
SUB
-143
LOC
94
TPA
-152



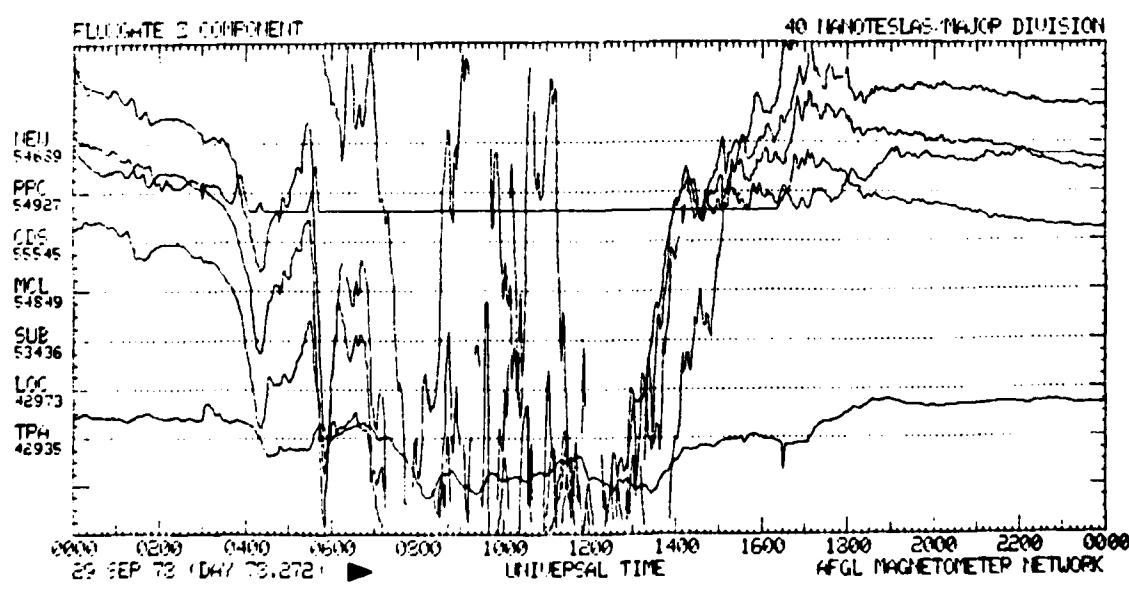
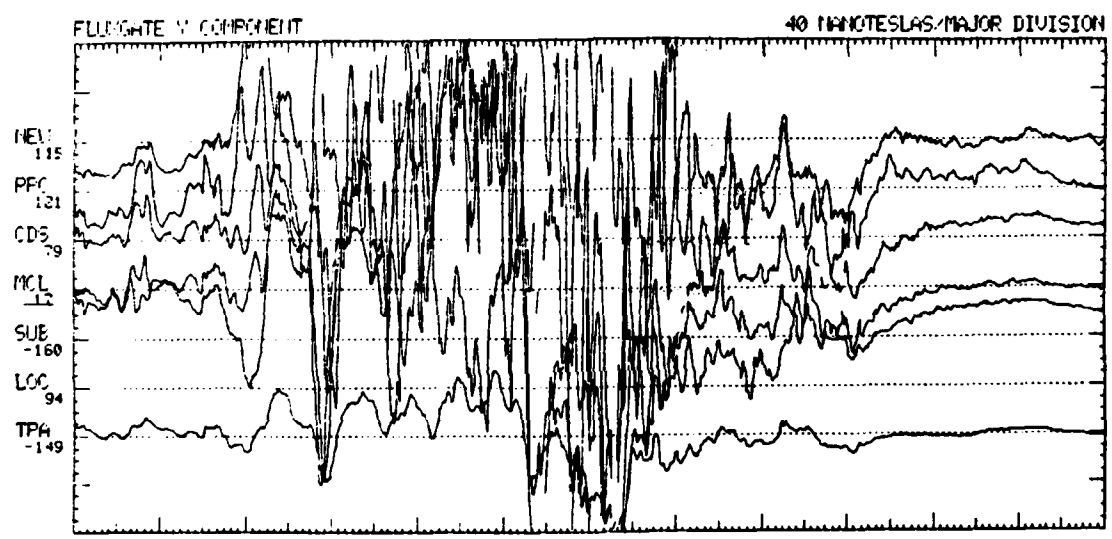
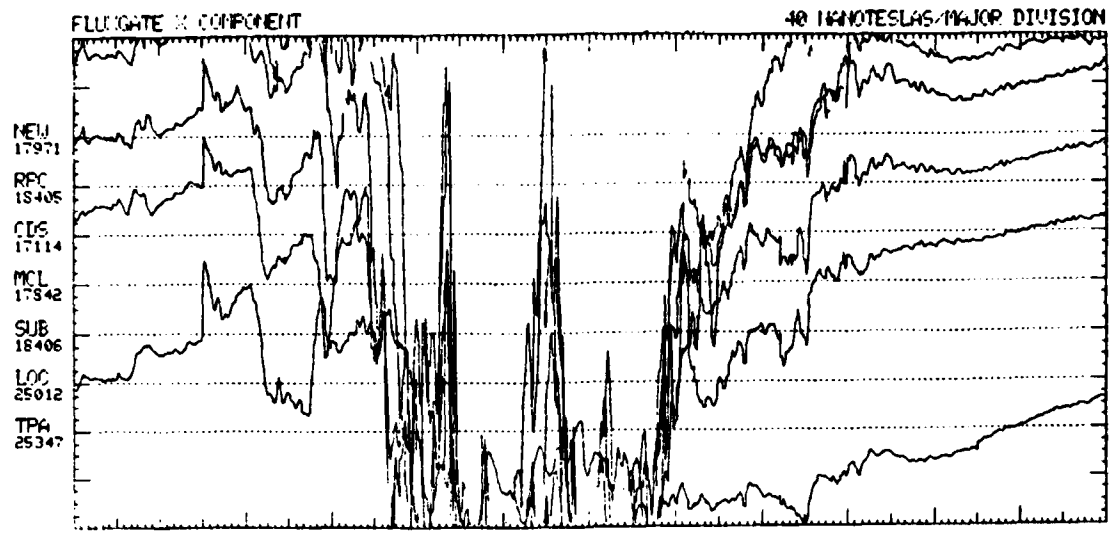
FLIGHTLINE Z COMPONENT

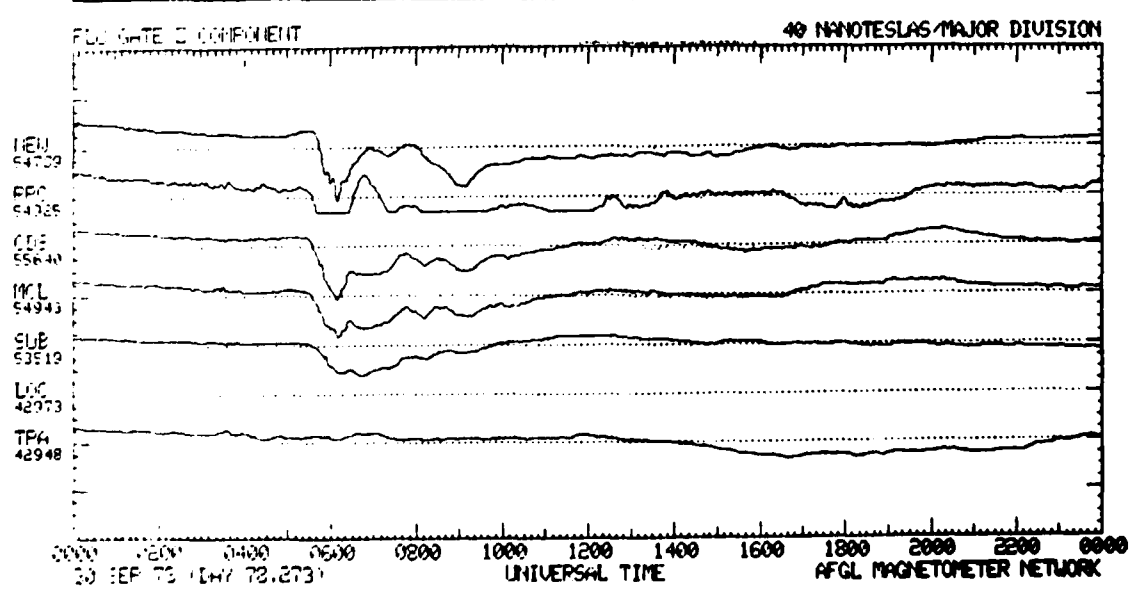
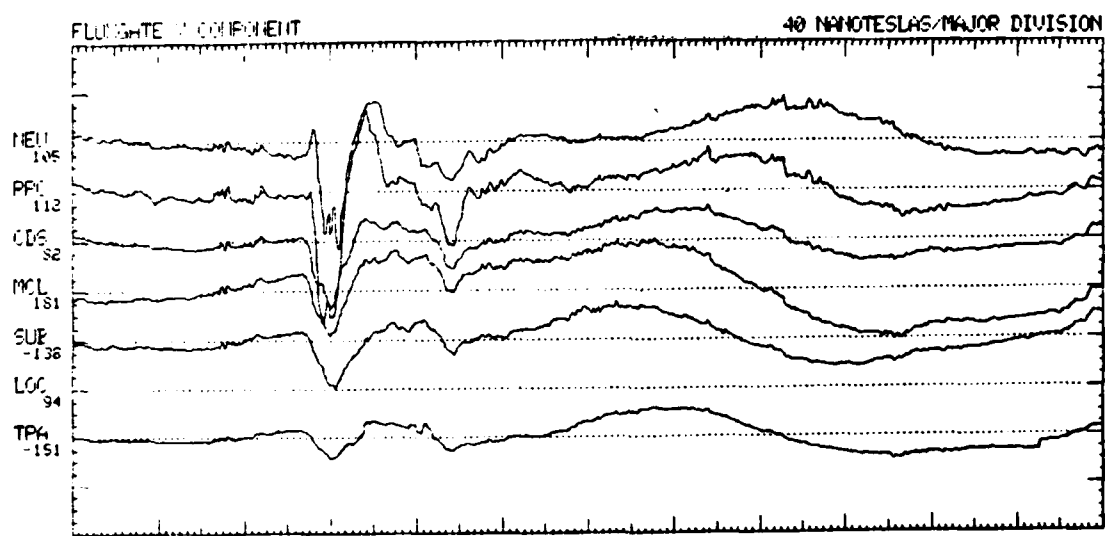
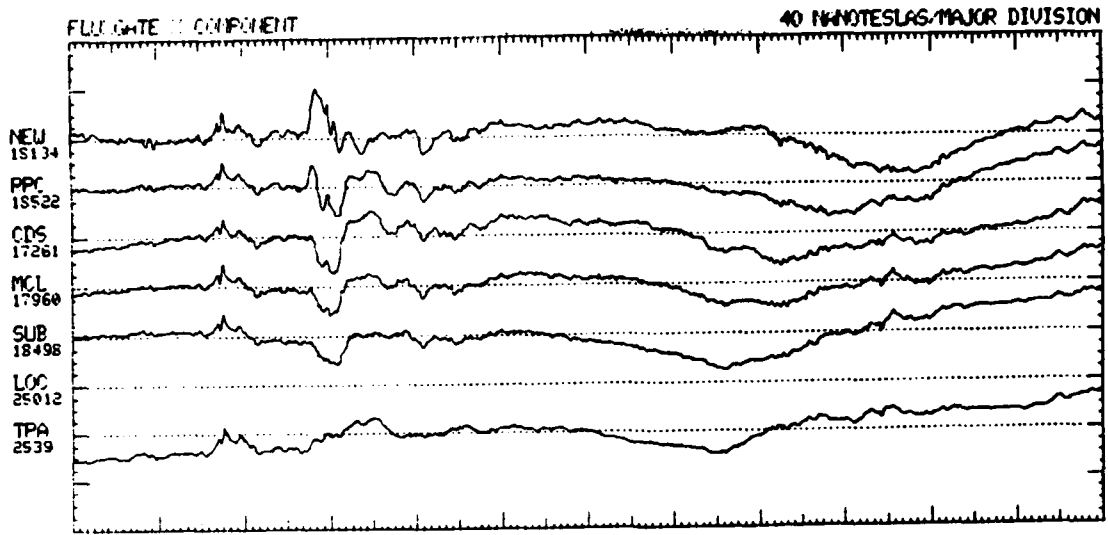
40 NANOTESLAS/MAJOR DIVISION

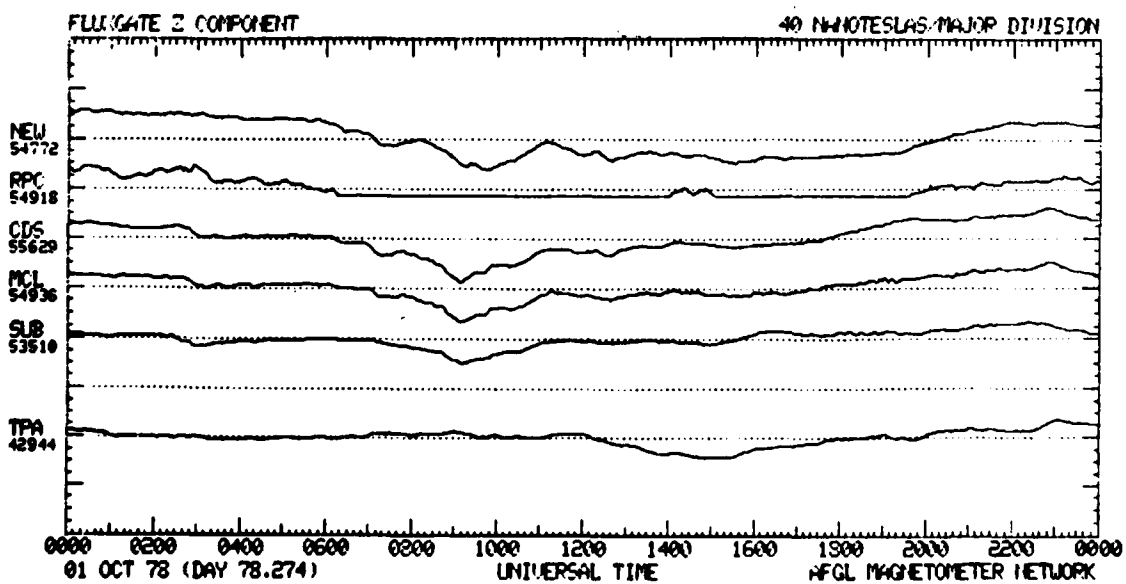
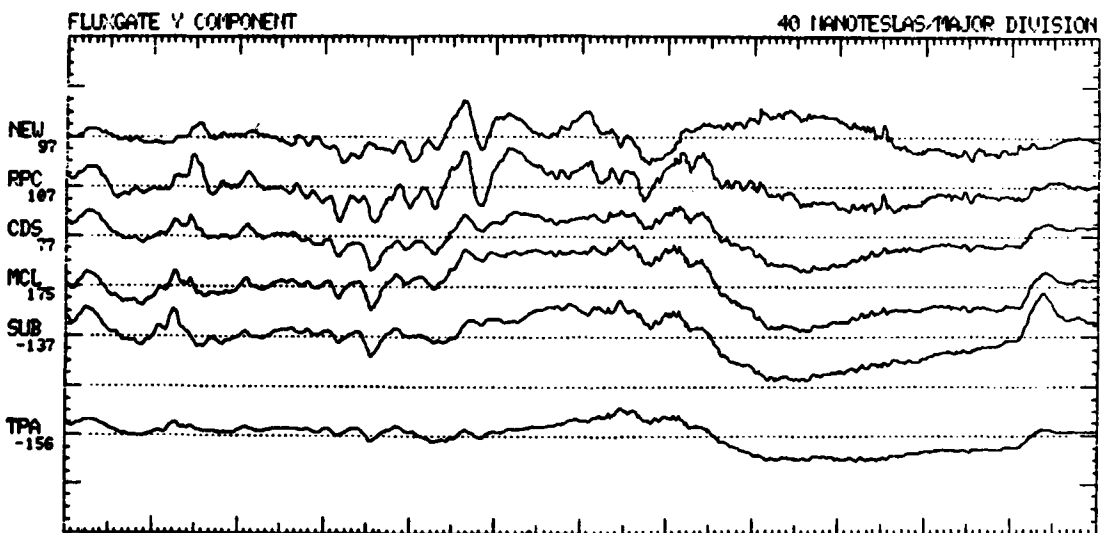
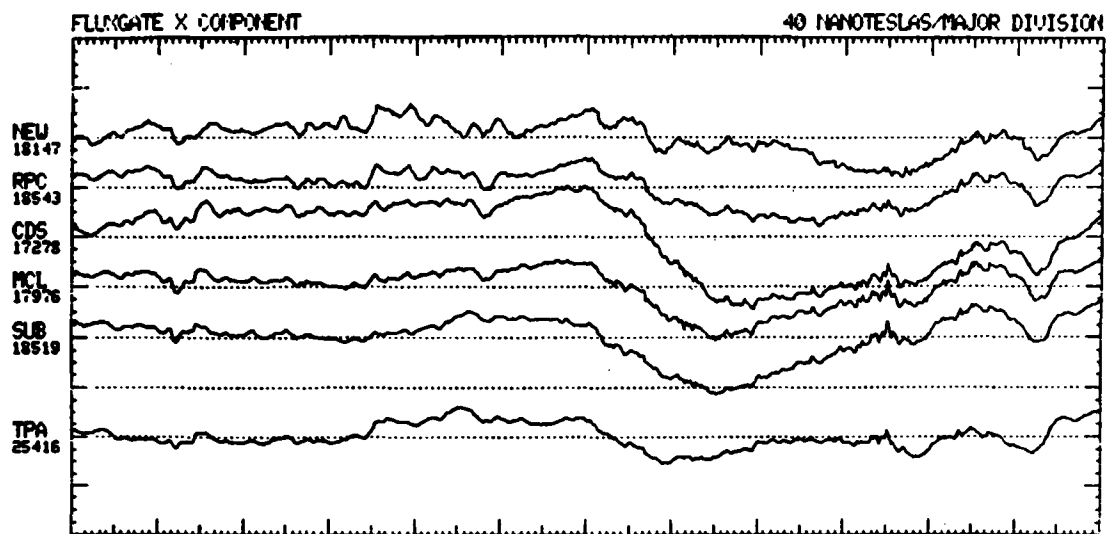
NEU
5422
RPC
54936
CDS
55645
MCL
54946
SUB
53495
LOC
42973
TPA
42939

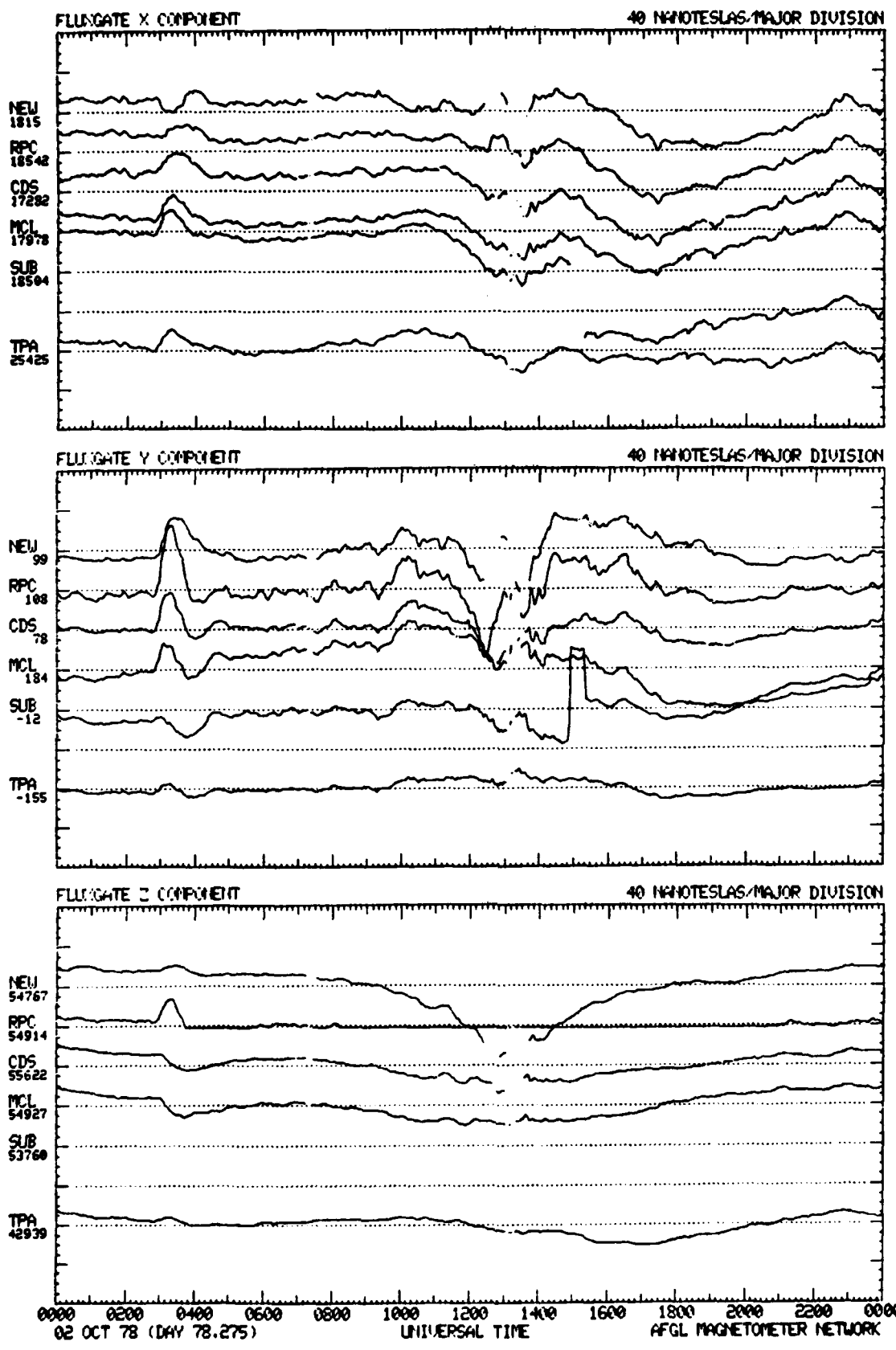


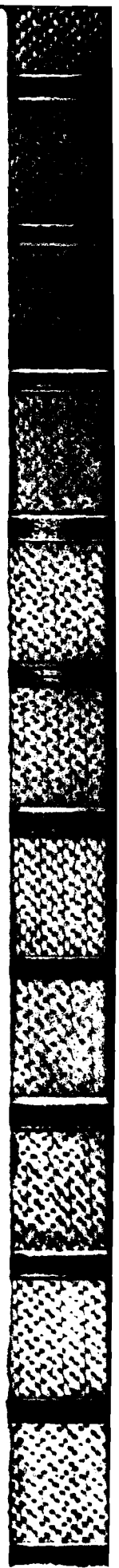
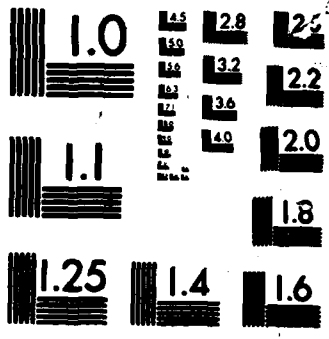
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23 SEP 73 (147 73.271) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

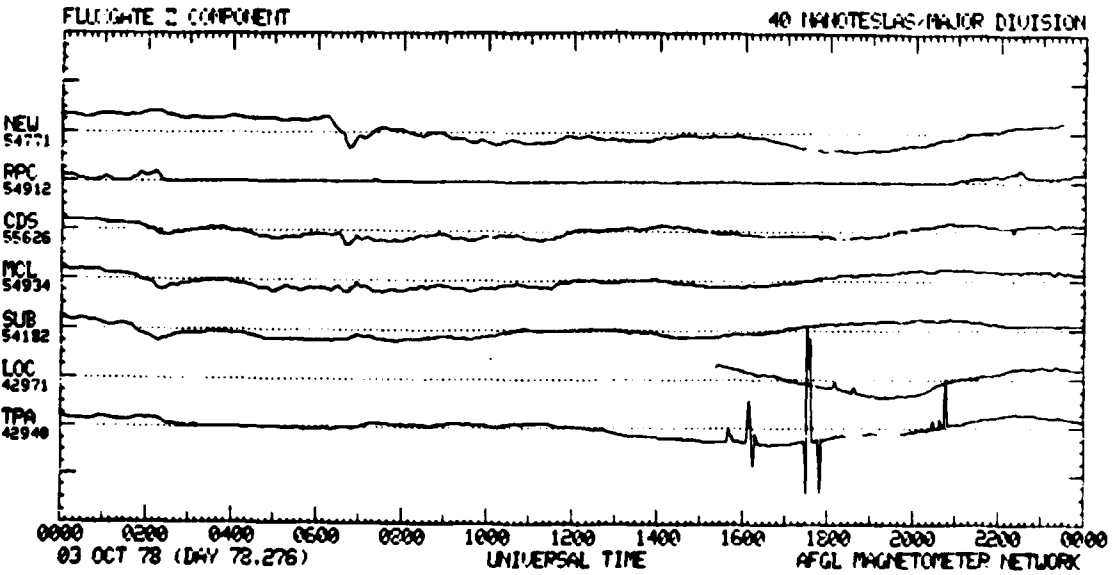
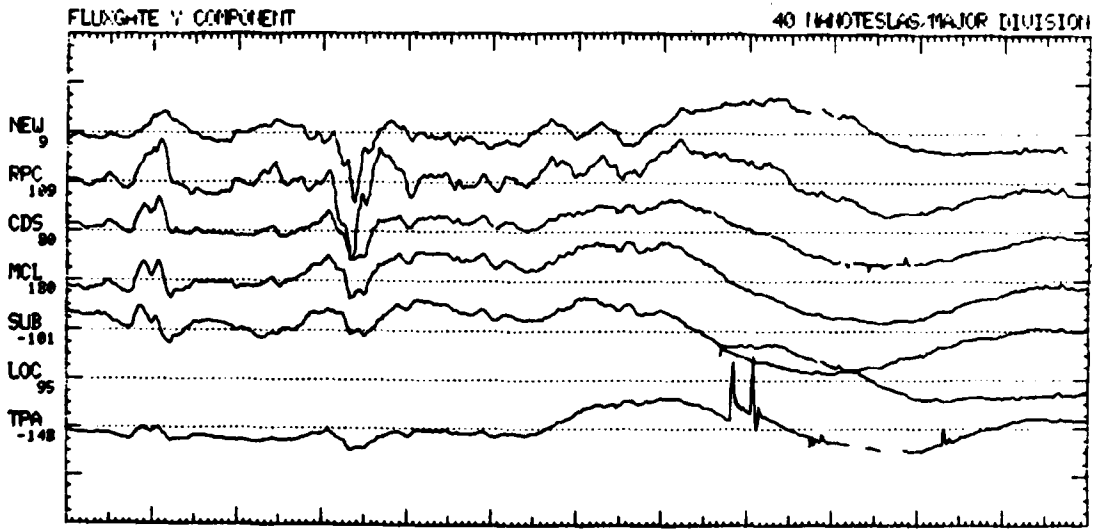
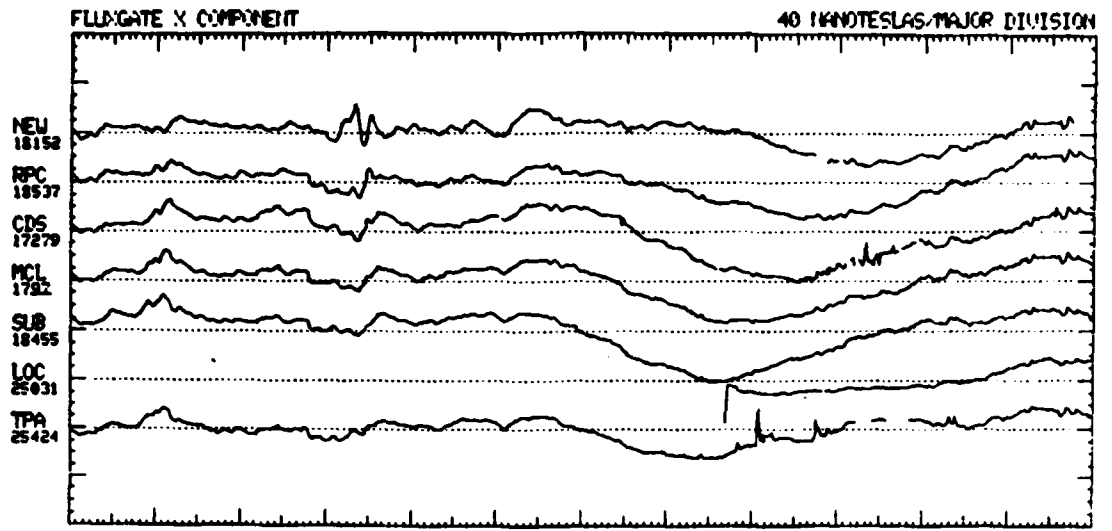








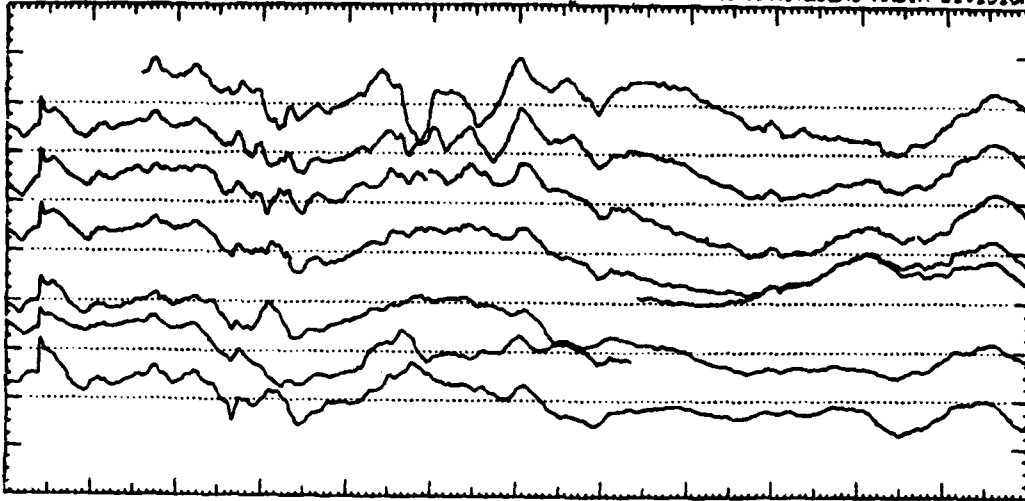




FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

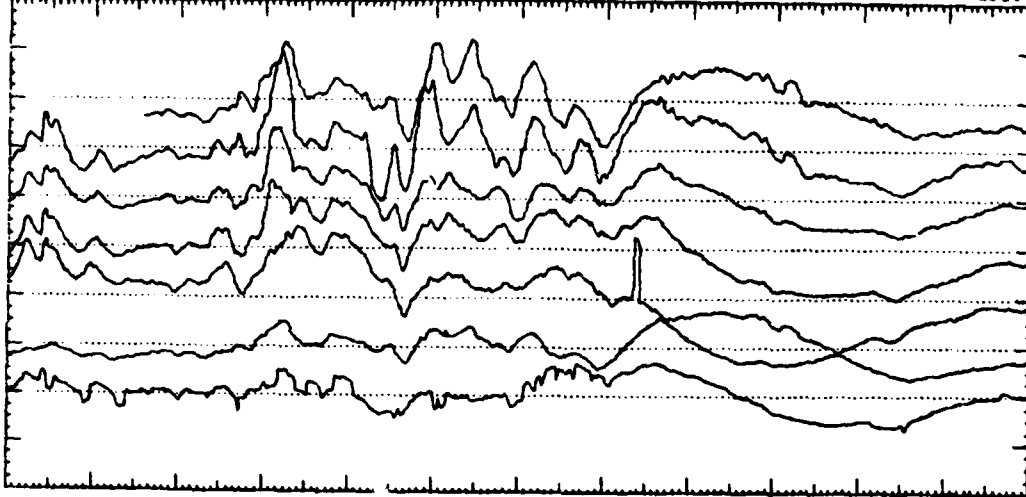
NEU
18145
RPC
18536
CDS
17281
MCL
17978
SUB
18471
LOC
25026
TPA
25422



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

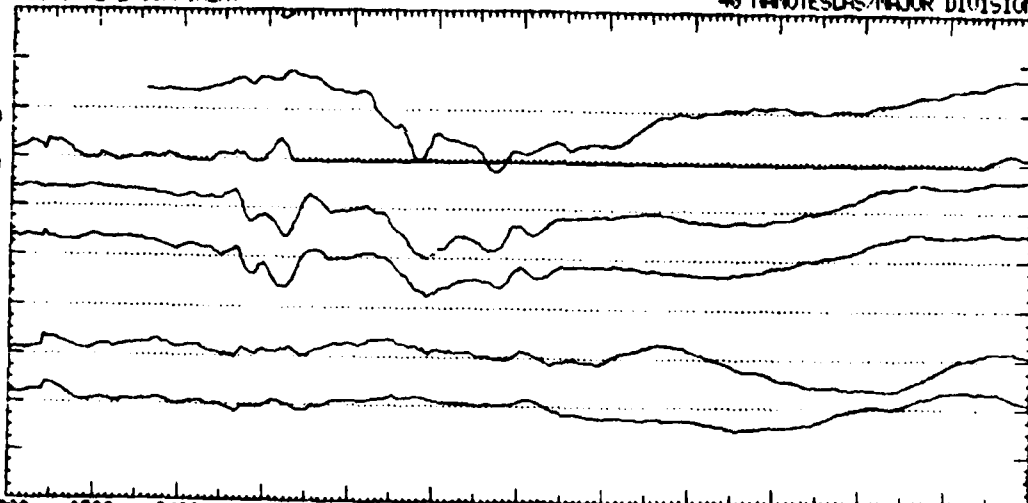
NEU
184
RPC
113
CDS
81
MCL
182
SUB
-112
LOC
94
TPA
-145



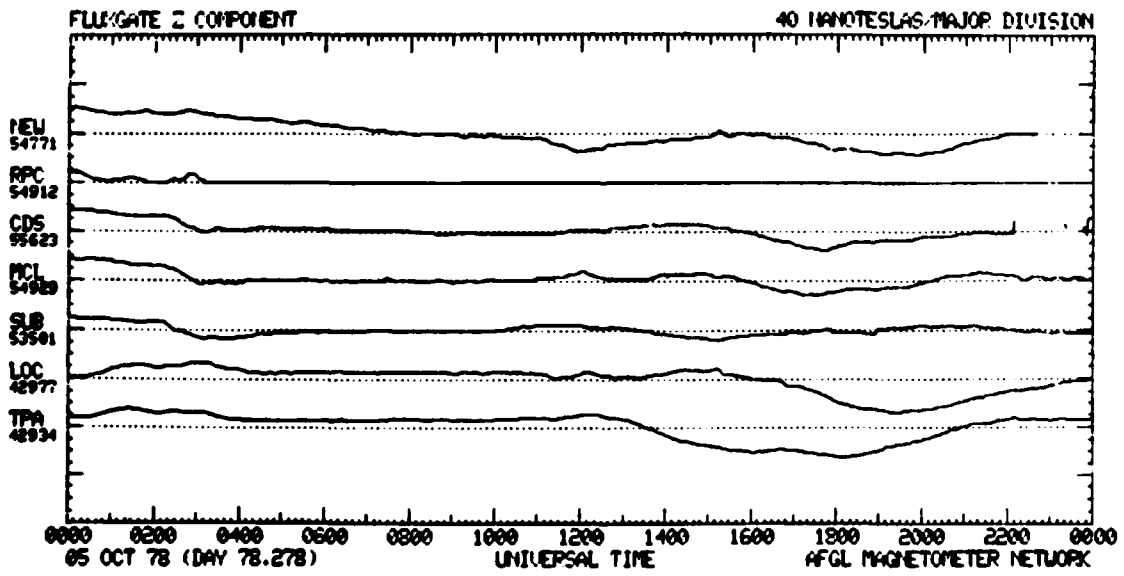
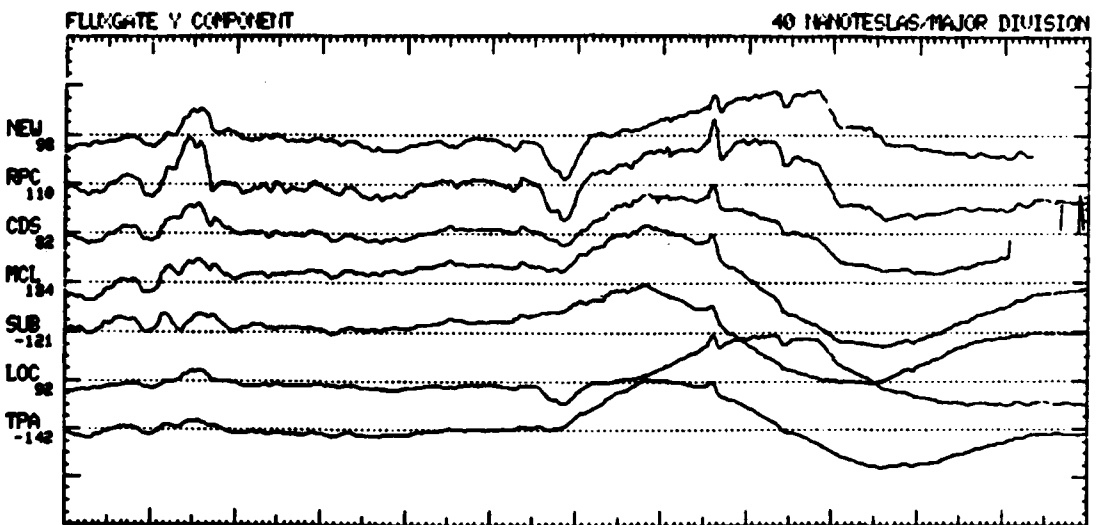
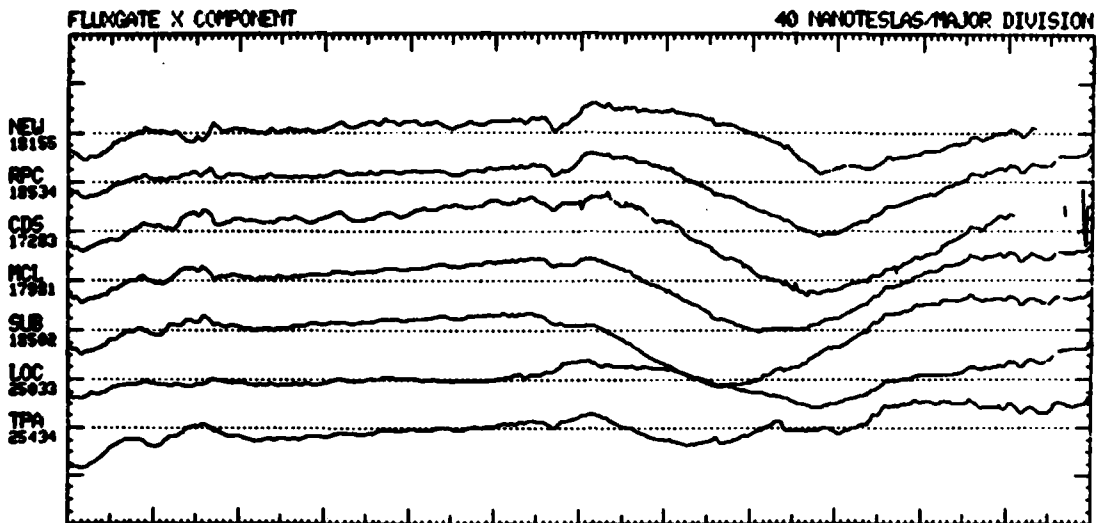
FLIGHTLINE Z COMPONENT

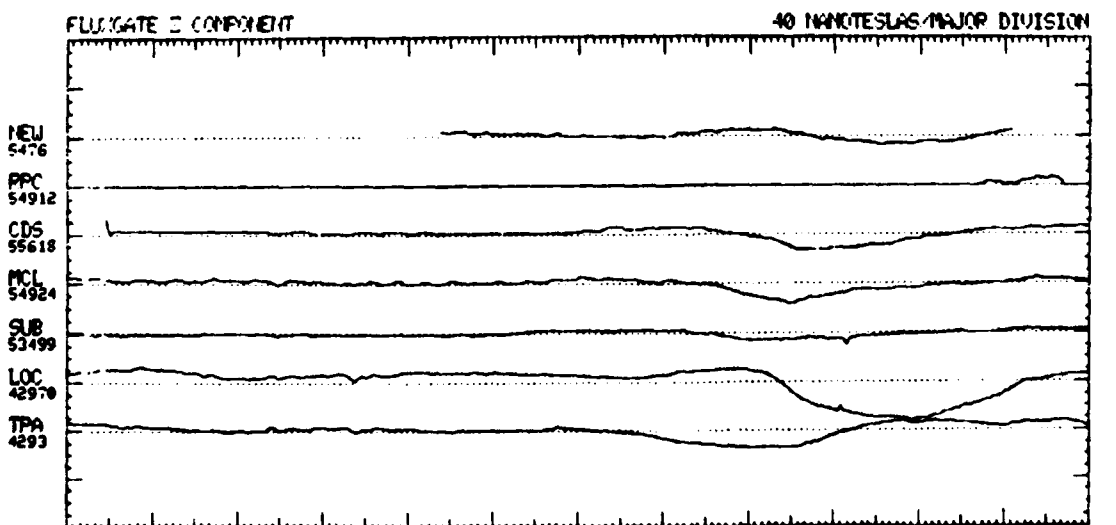
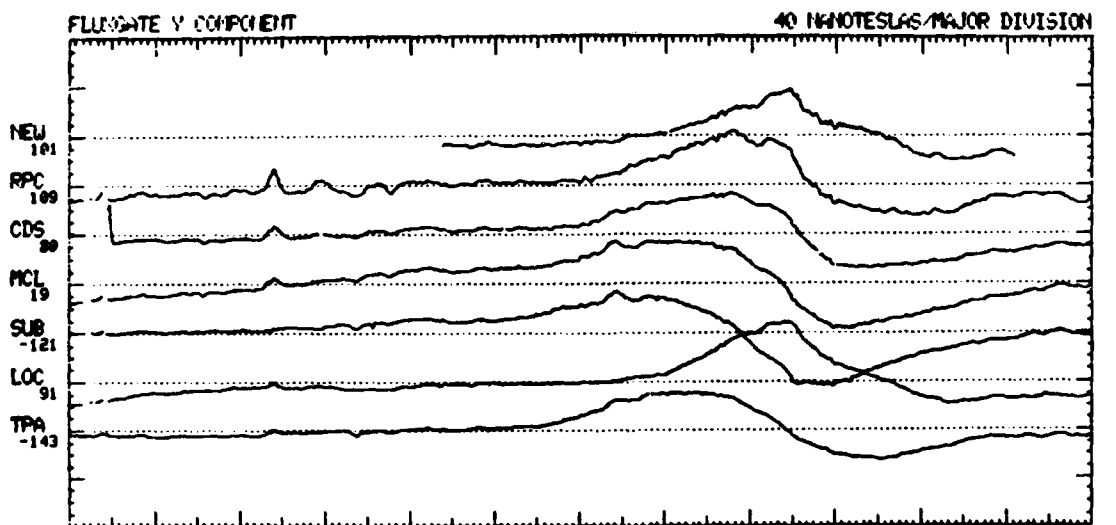
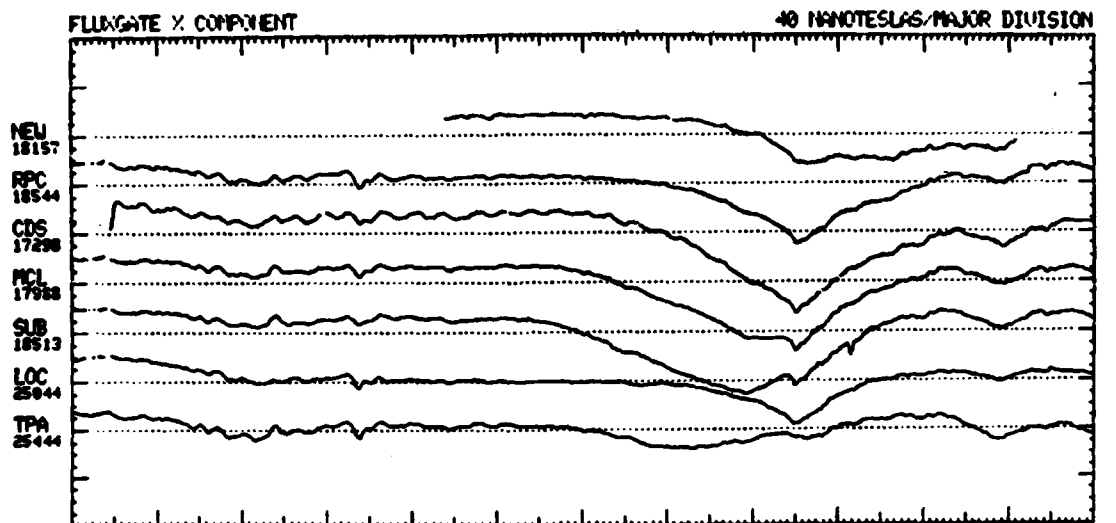
40 NANOTESLAS/MAJOR DIVISION

NEU
54763
RPC
54914
CDS
55615
MCL
54924
SUB
53911
LOC
42975
TPA
42937



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04 OCT 78 (DAY 78.277) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



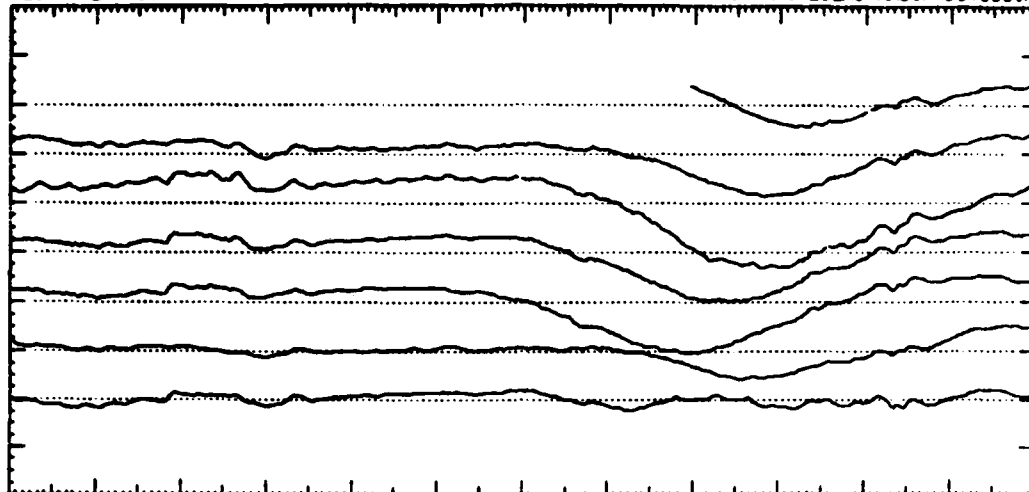


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 06 OCT 78 (DAY 78.279) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

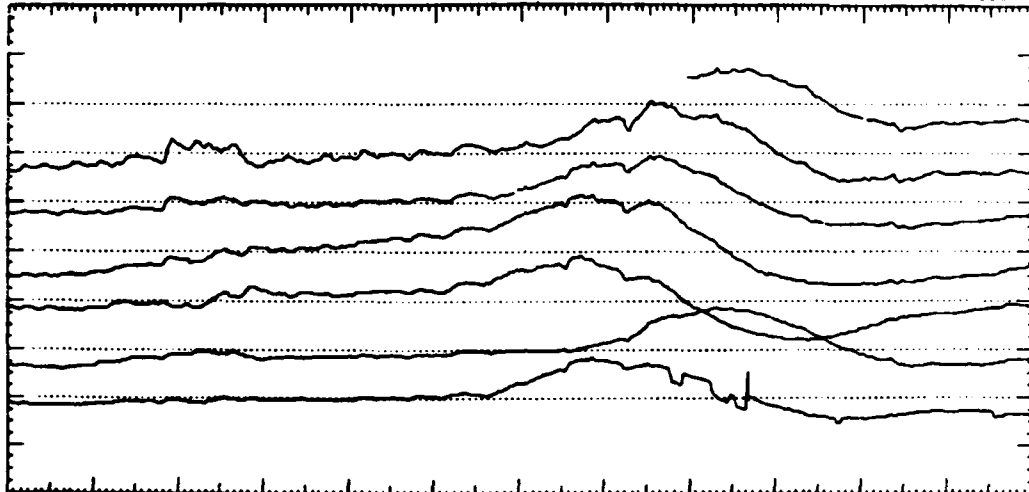
NEU
3814
RPC
18542
CDS
17286
MCL
17984
SUB
18513
LOC
25038
TPA
25448



FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

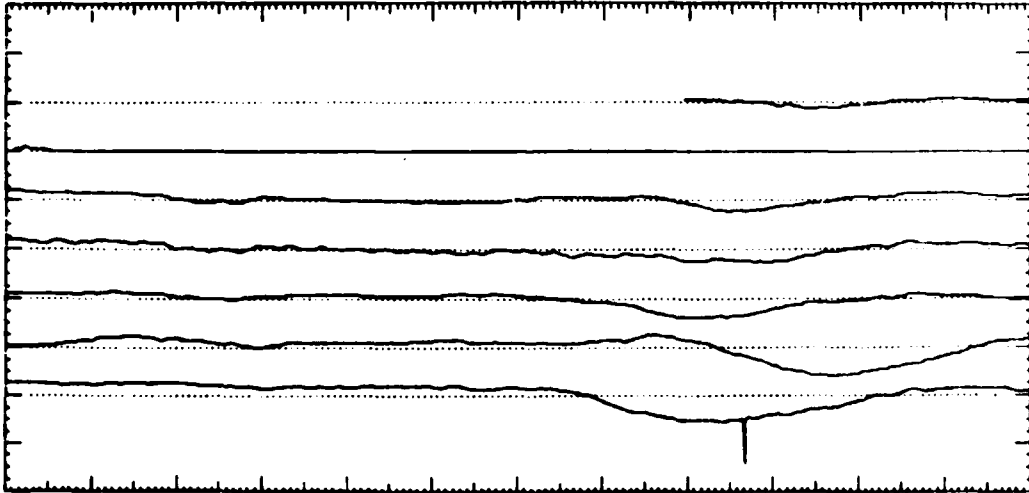
NEU
99
RPC
111
CDS
8
MCL
213
SUB
-11
LOC
92
TPA
-144



FLUNGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

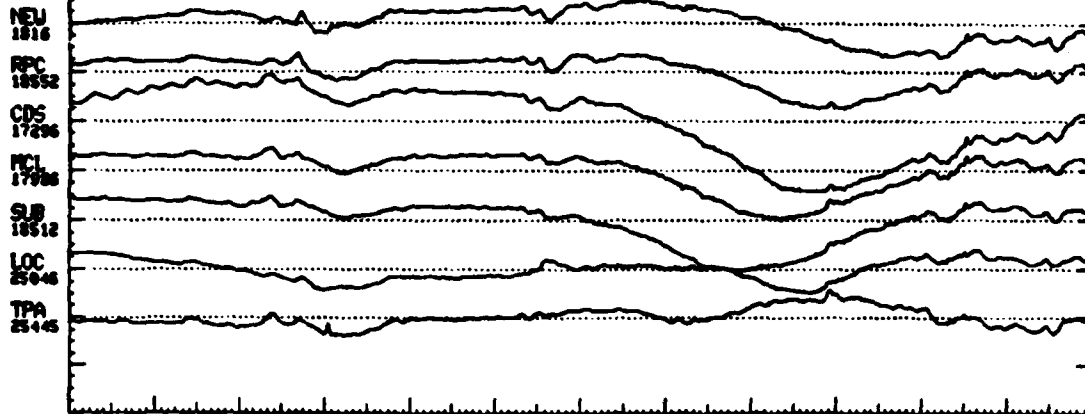
NEU
54768
RPC
54912
CDS
55616
MCL
54919
SUB
53497
LOC
42975
TPA
4292



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07 OCT 78 (DAY 78.290) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

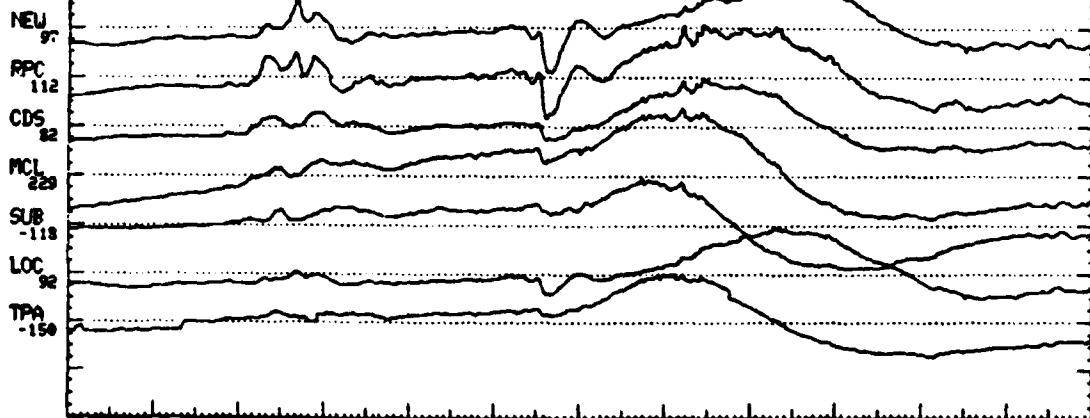
FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



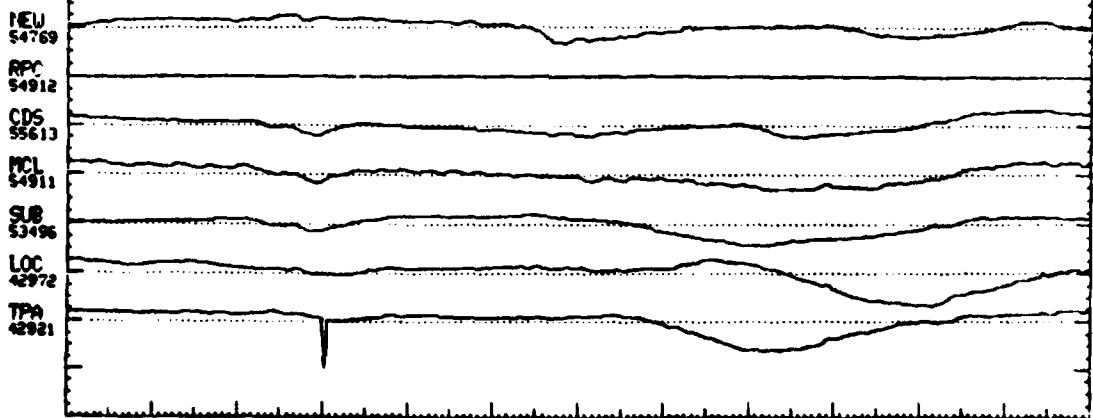
FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

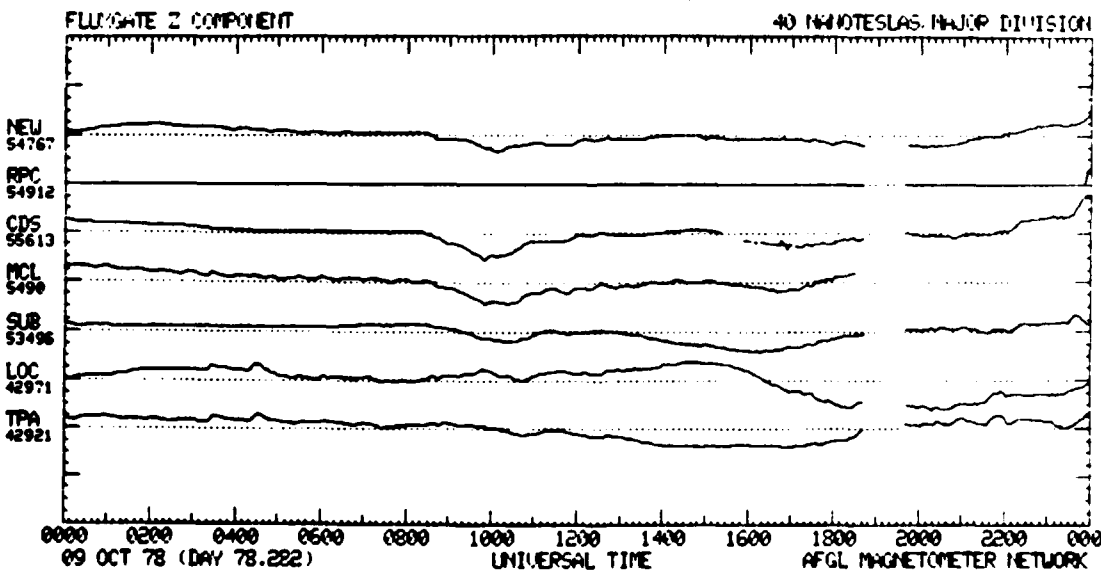
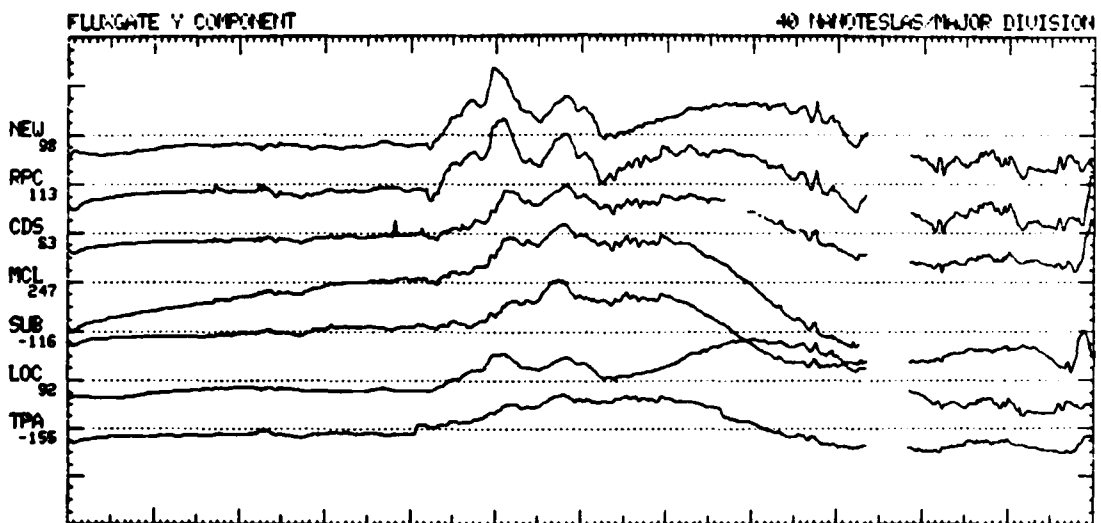
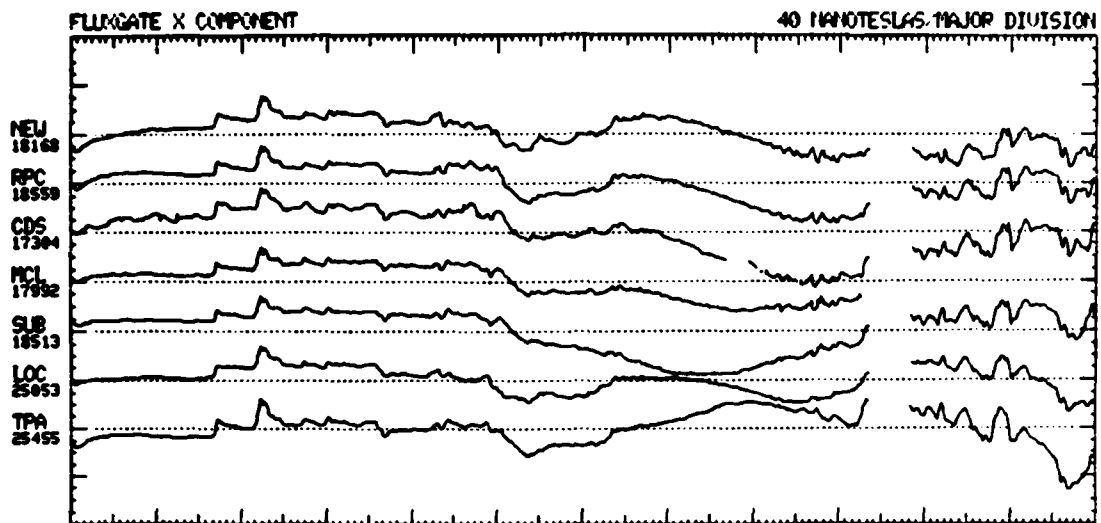


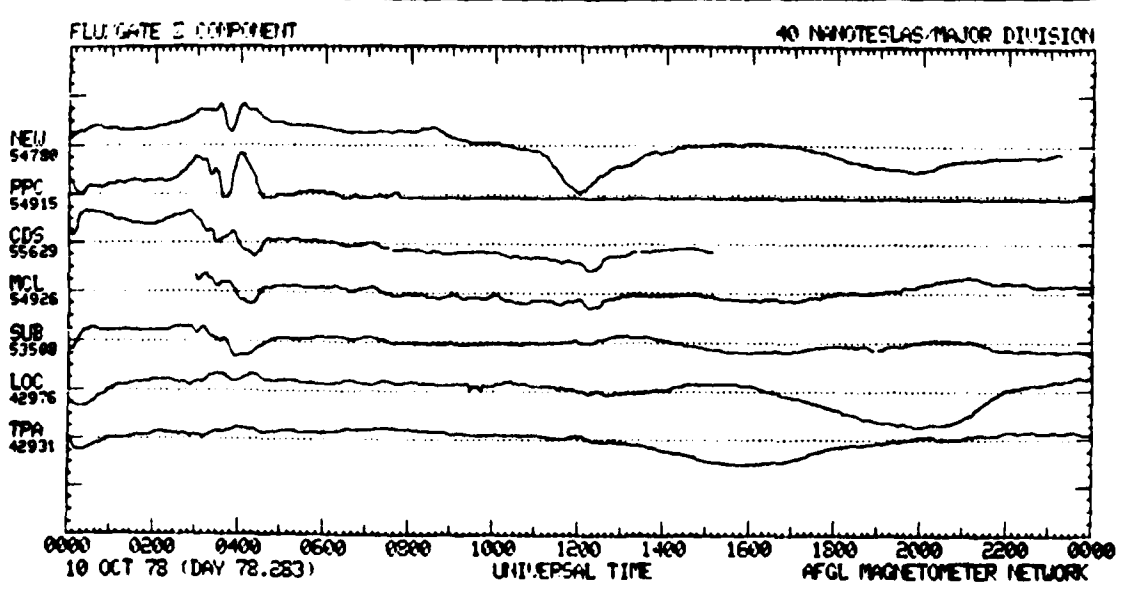
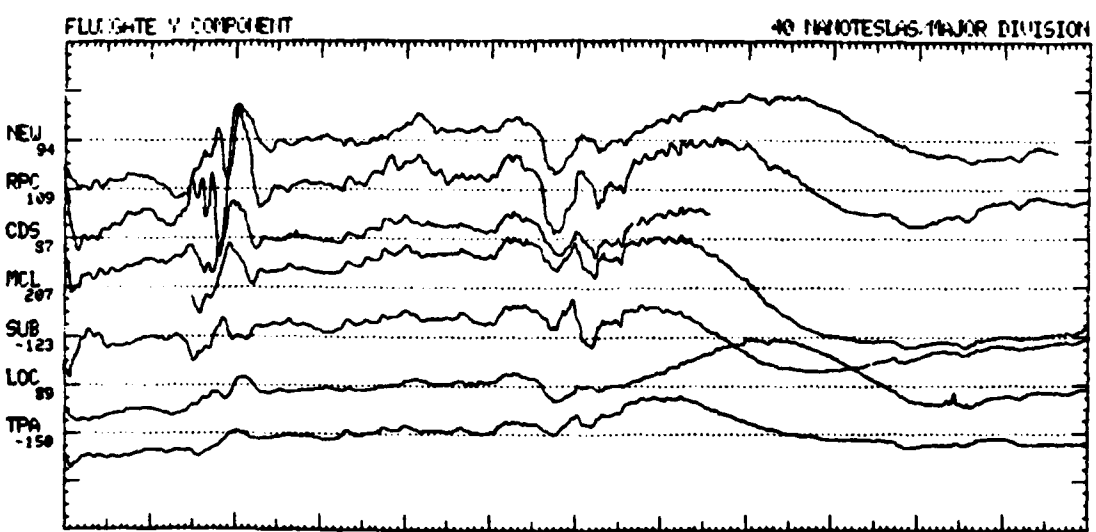
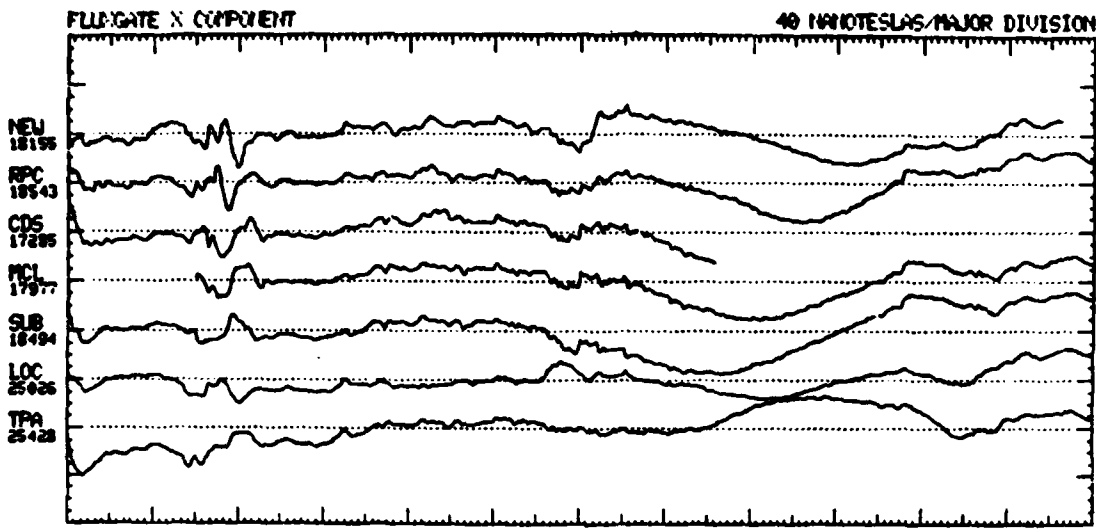
FLUXGATE Z COMPONENT

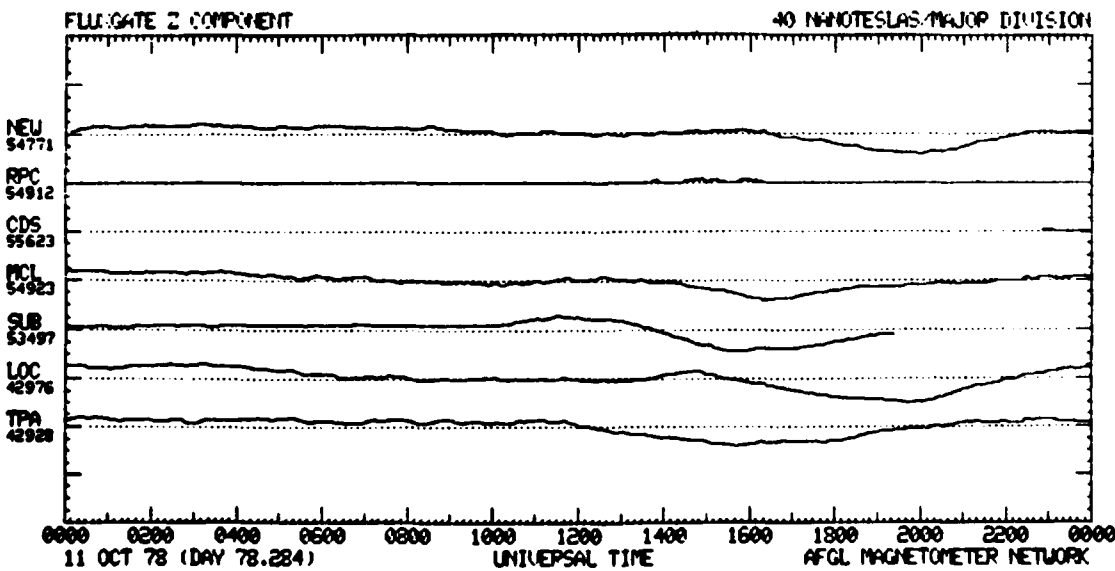
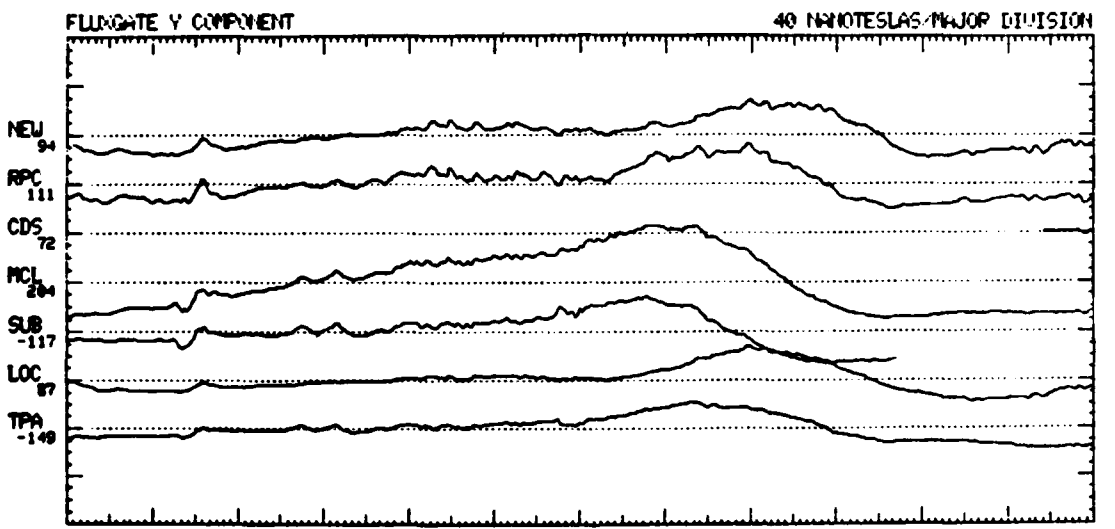
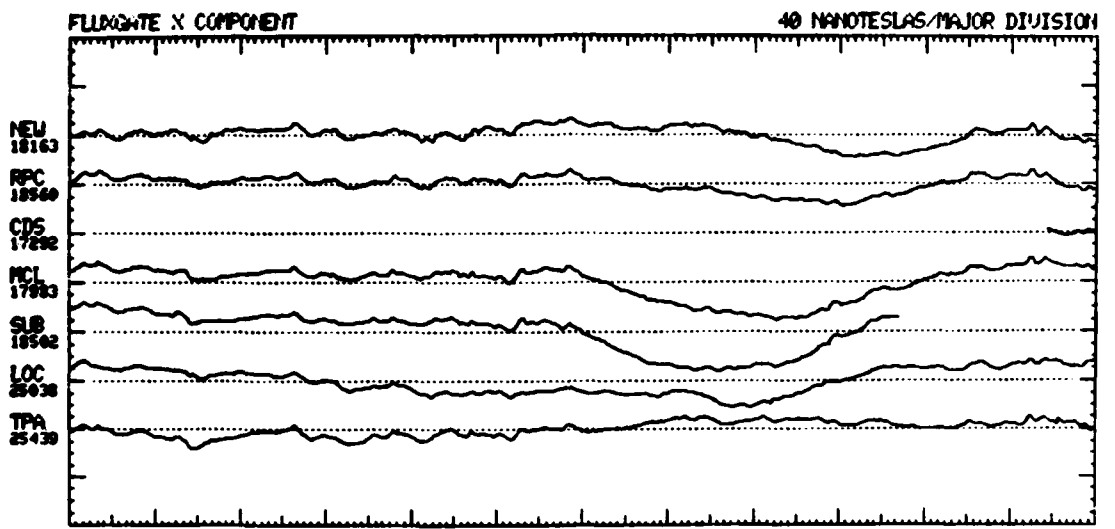
40 NANOTESLAS/MAJOR DIVISION

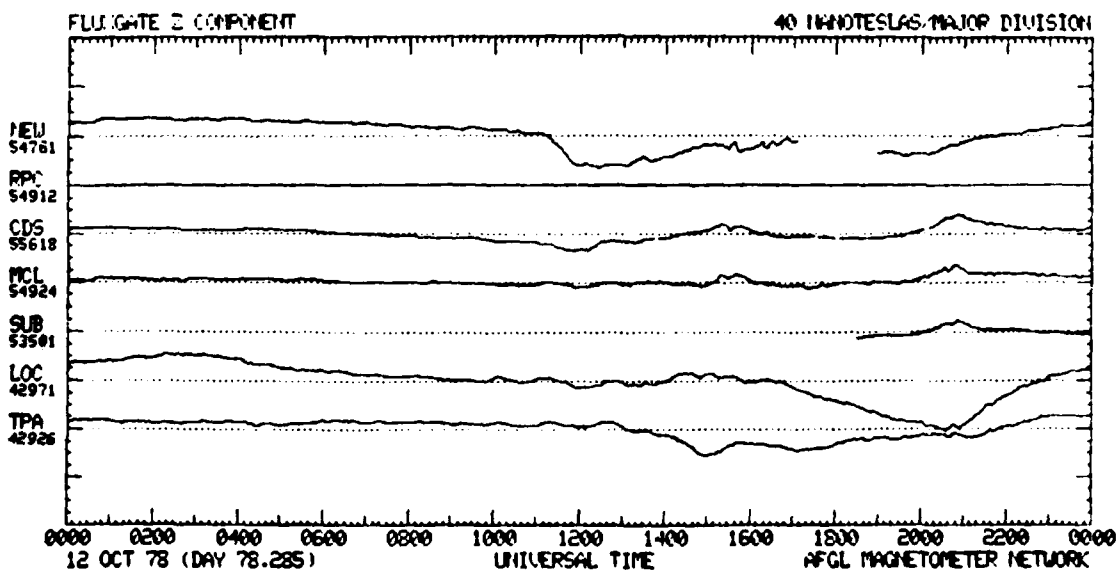
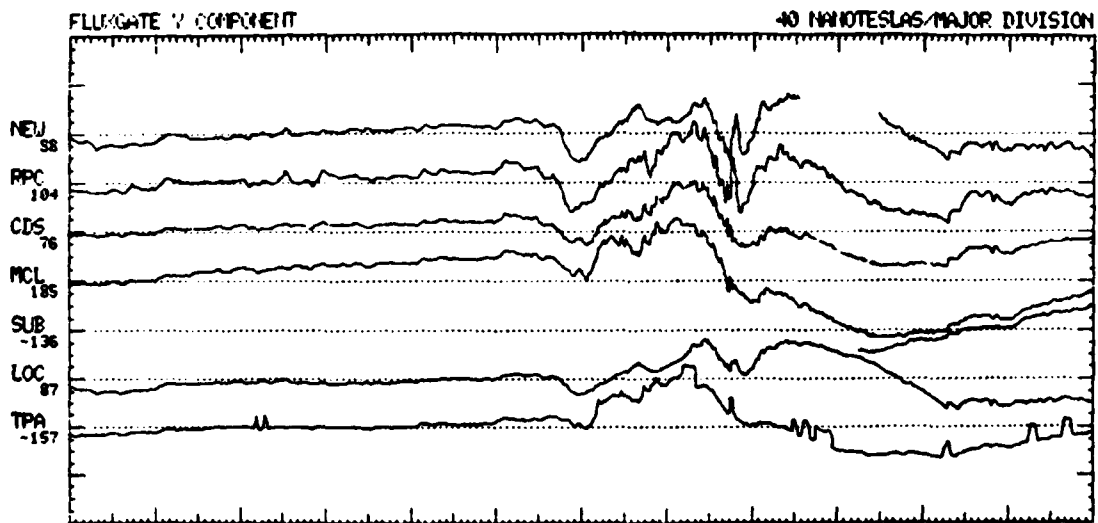
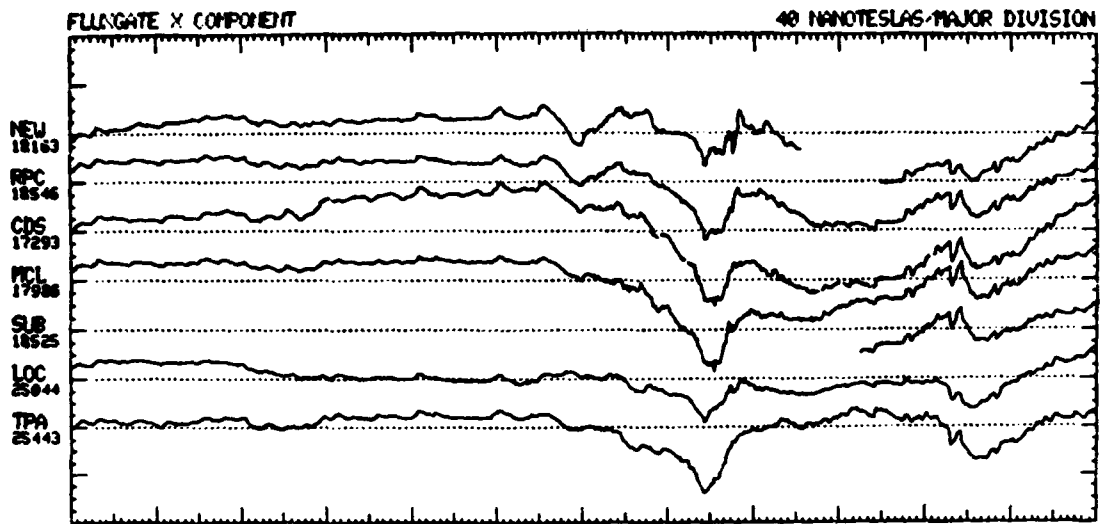


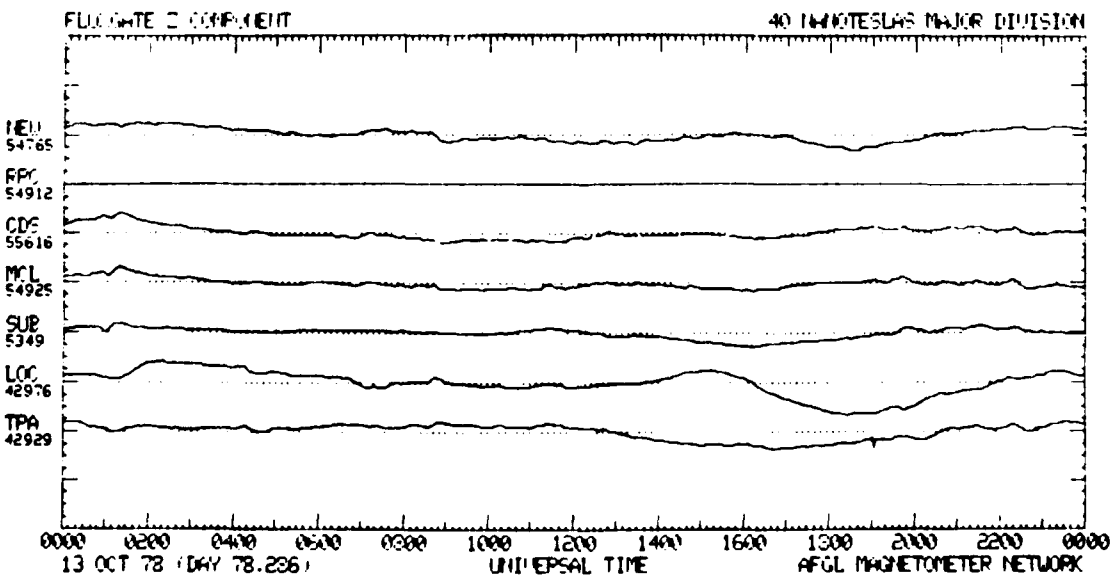
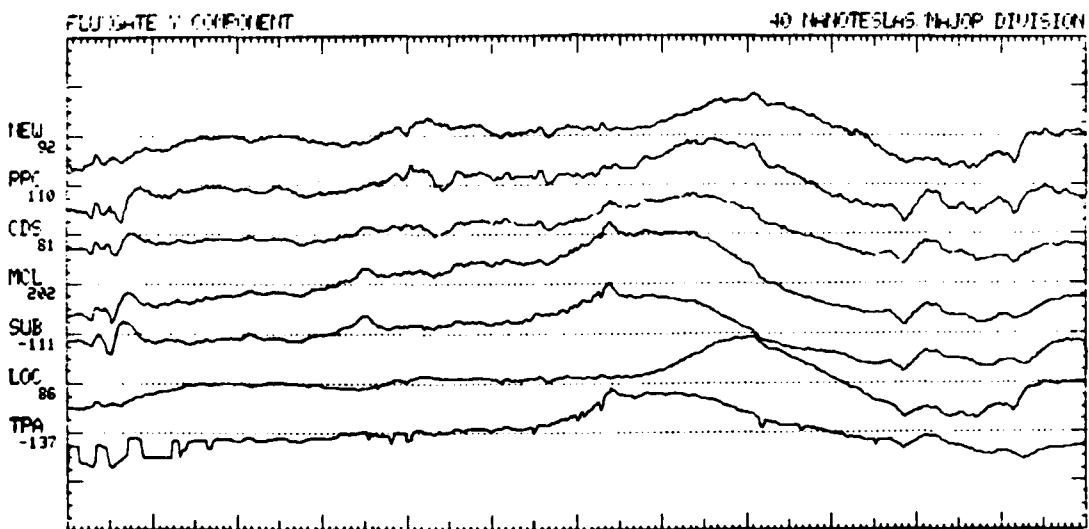
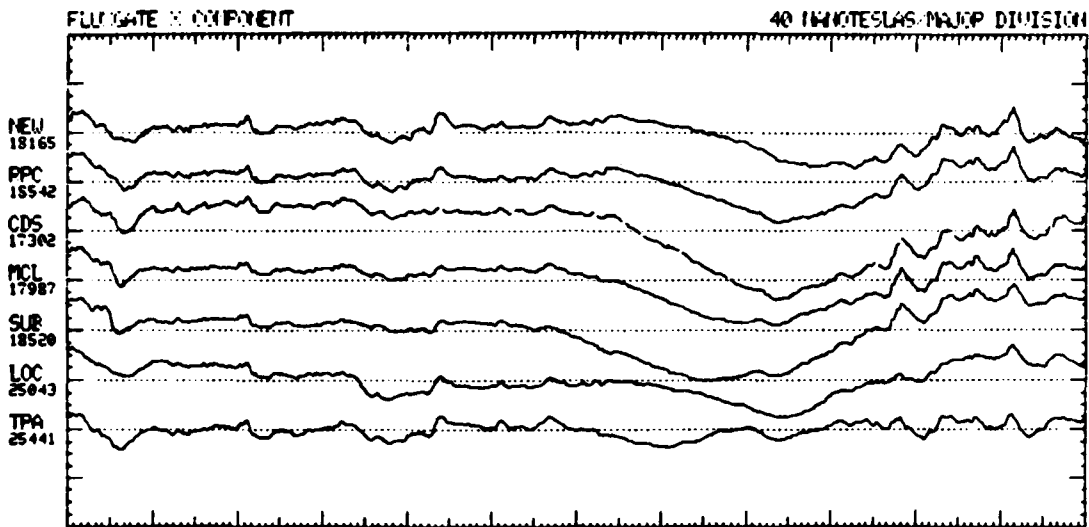
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08 OCT 78 (DAY 78.231) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



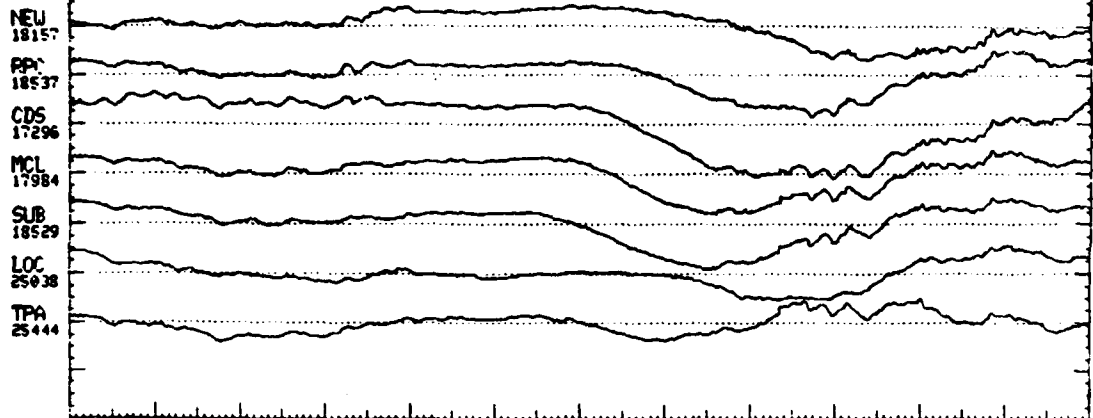




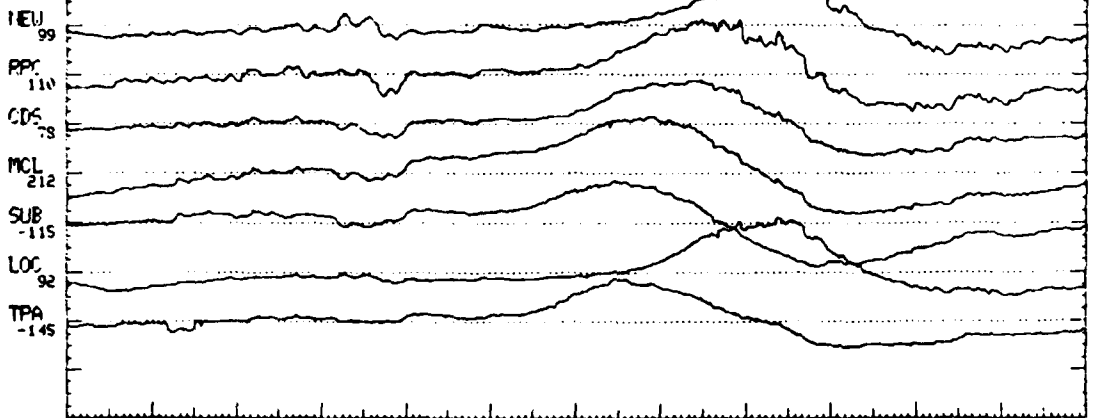




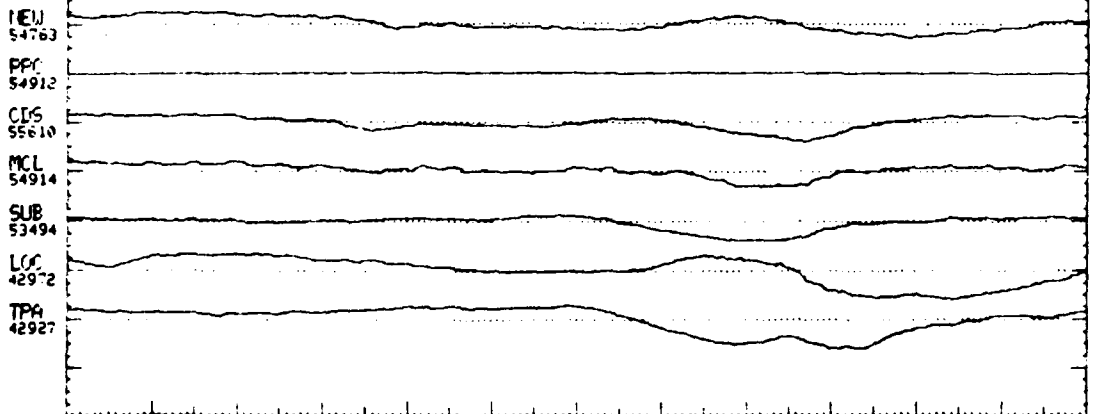
FLIGHT 11 COMPONENT 40 INWOTESLAS MAJOR DIVISION



FLIGHT 12 COMPONENT 40 INWOTESLAS MAJOR DIVISION



FLIGHT 13 COMPONENT 40 INWOTESLAS MAJOR DIVISION

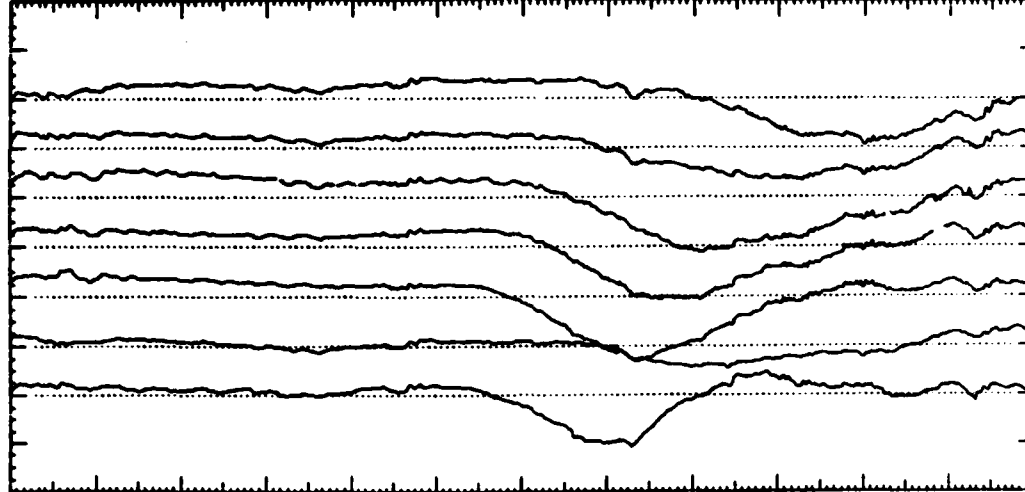


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 14 OCT 72 (DAY 72.227) UNIFORM TIME AFGL MAGNETOMETER NETWORK

FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

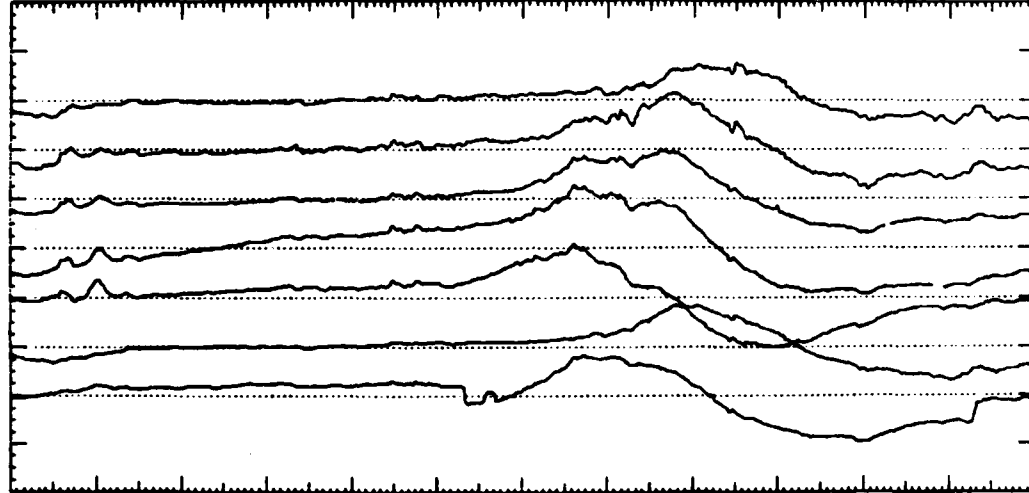
NEU
18160
RPC
18548
CDS
17303
MCL
17906
SUB
18531
LOC
25047
TPA
25442



FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

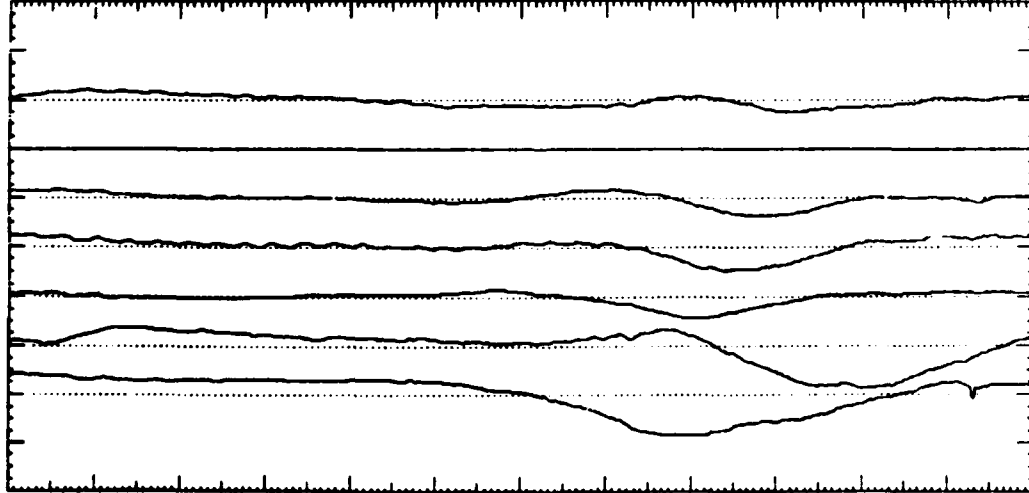
NEU
94
RPC
109
CDS
80
MCL
228
SUB
-115
LOC
85
TPA
-150



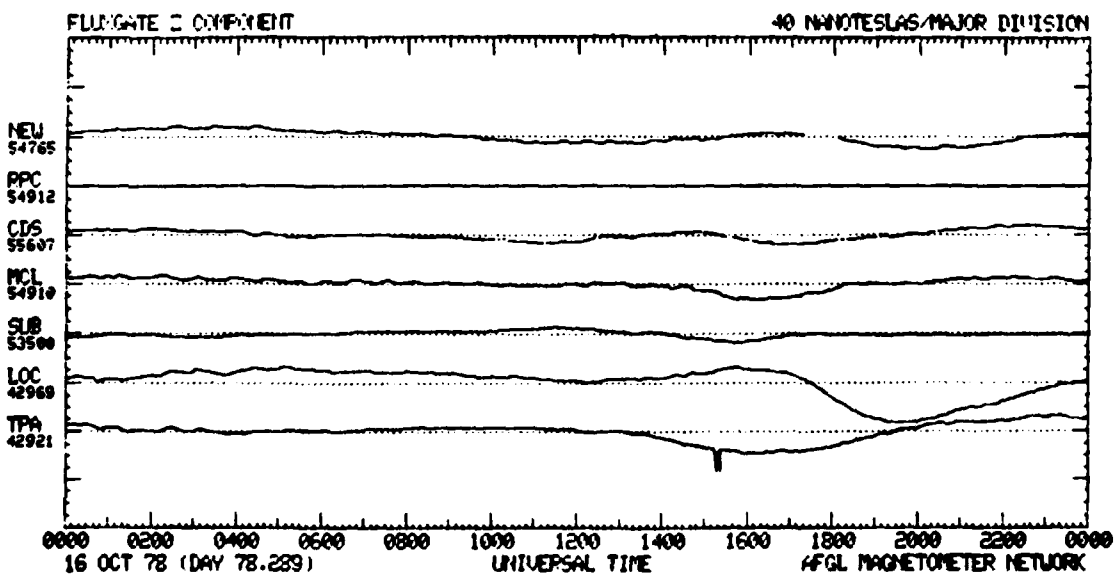
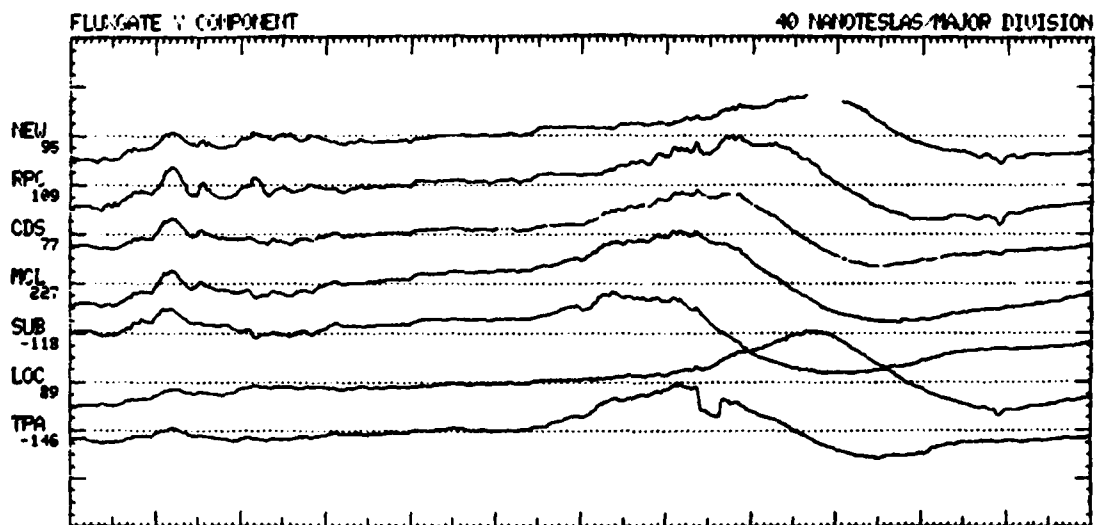
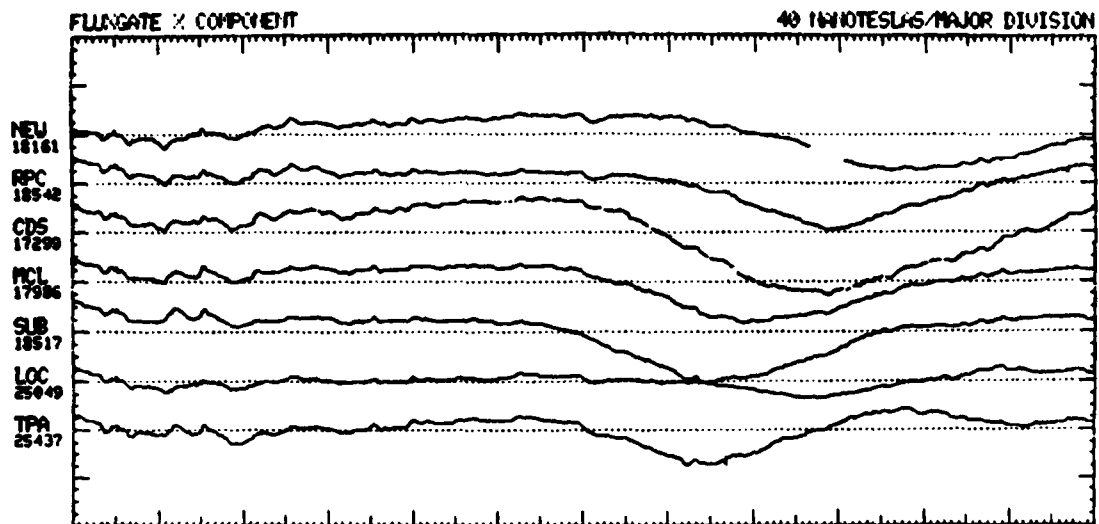
FLUNGATE Z COMPONENT

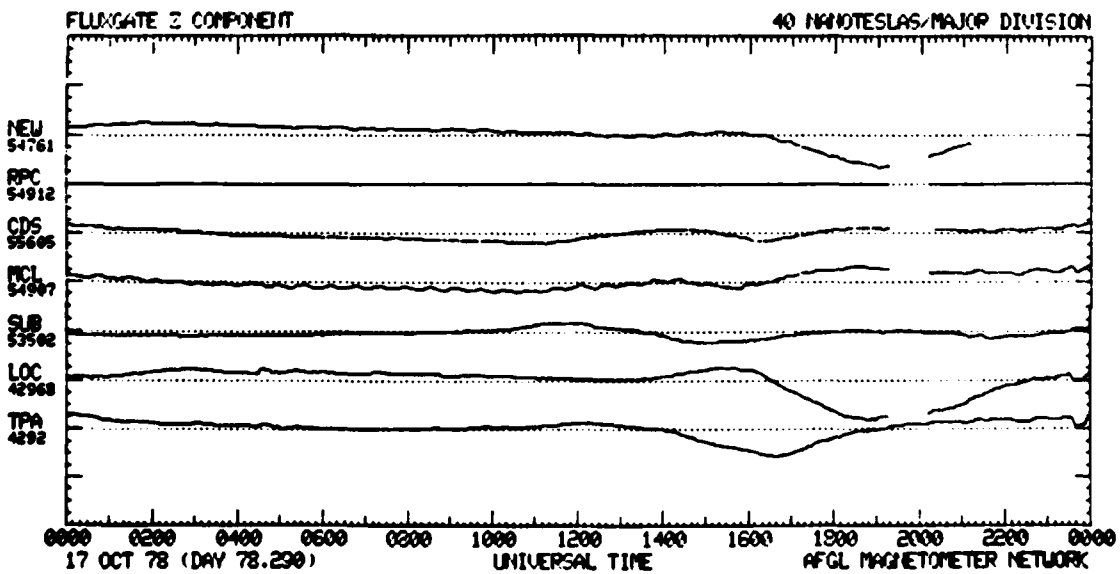
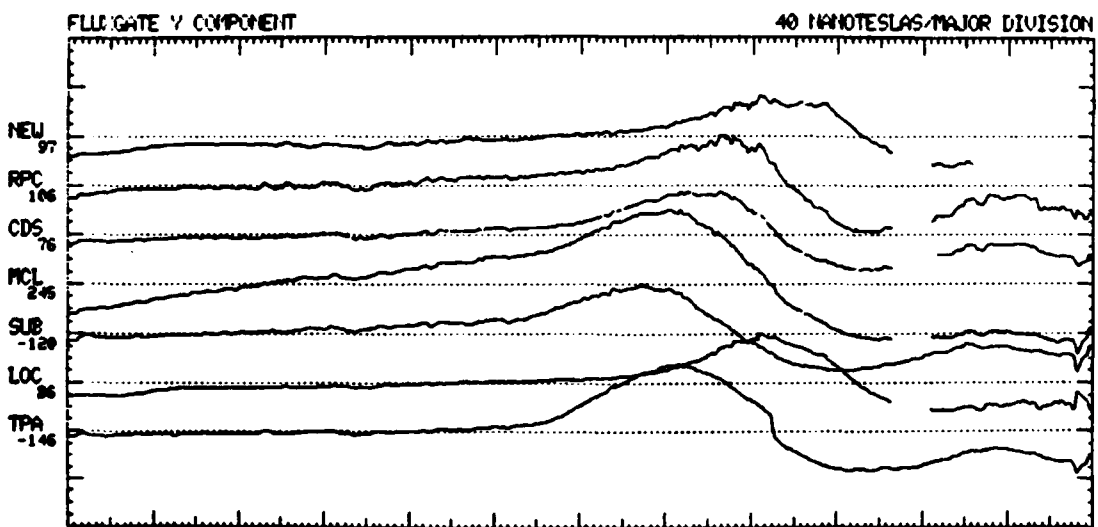
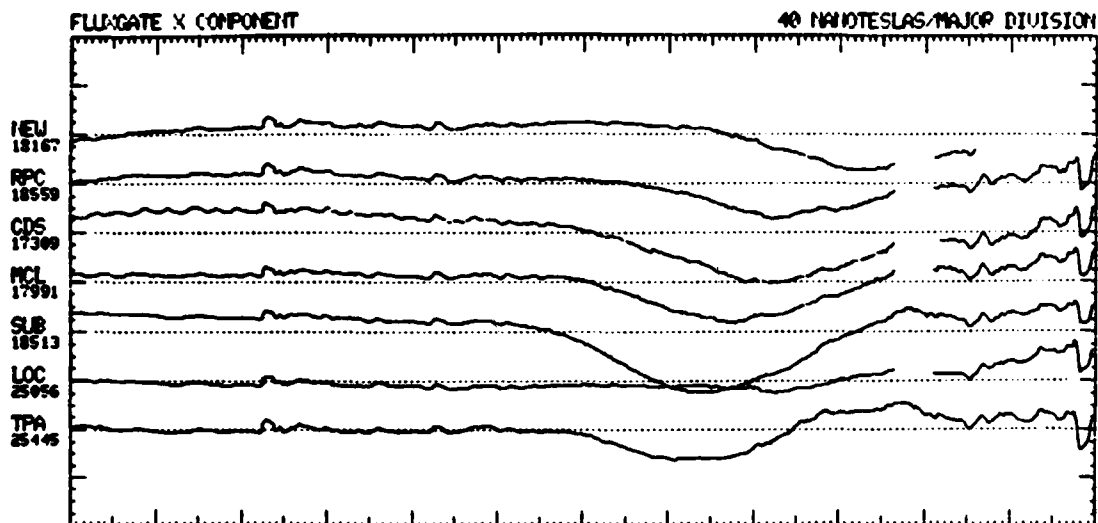
40 NANOTESLAS/MAJOR DIVISION

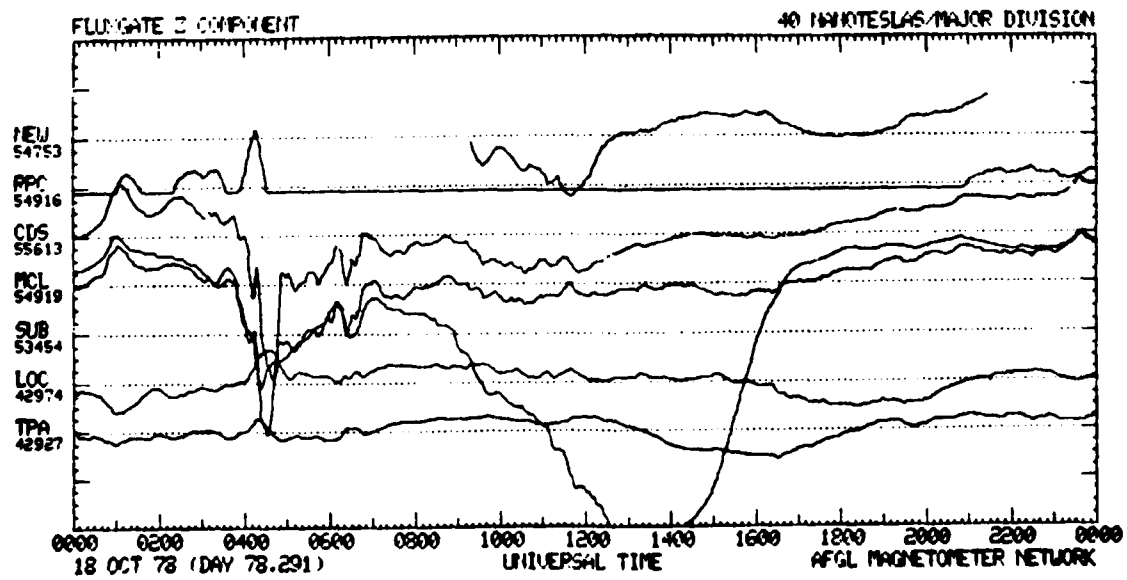
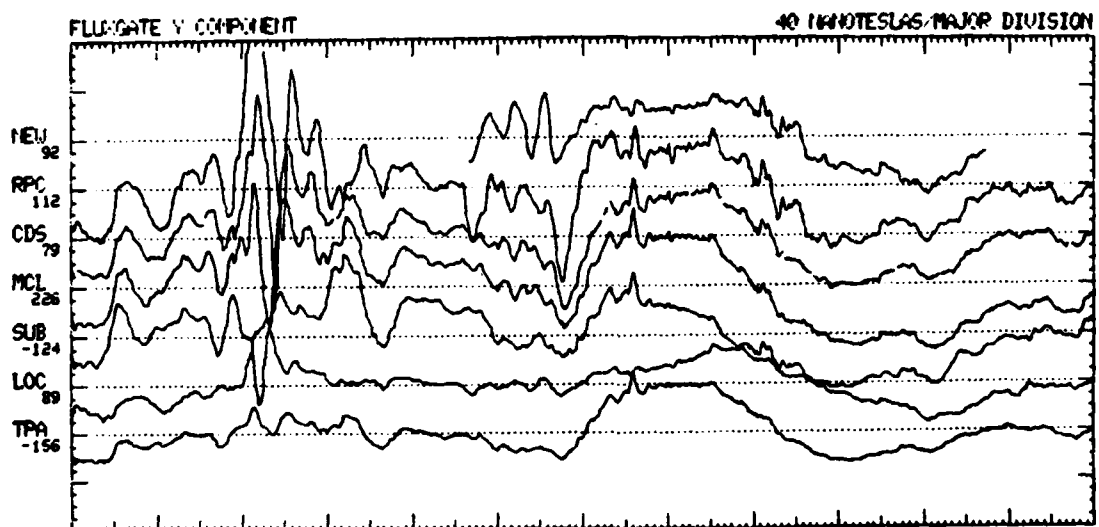
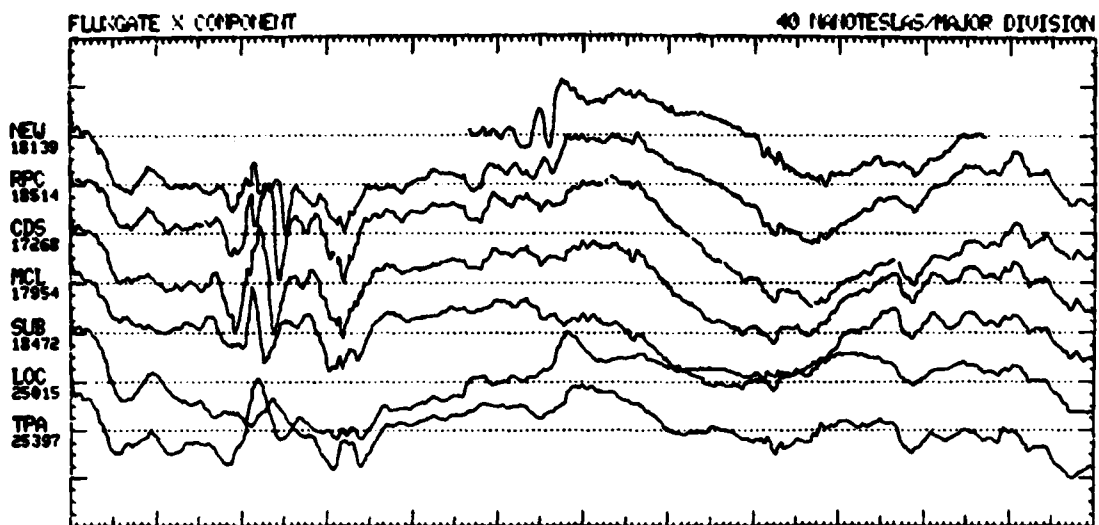
NEU
54764
RPC
54912
CDS
55609
MCL
54908
SUB
53493
LOC
42967
TPA
42919

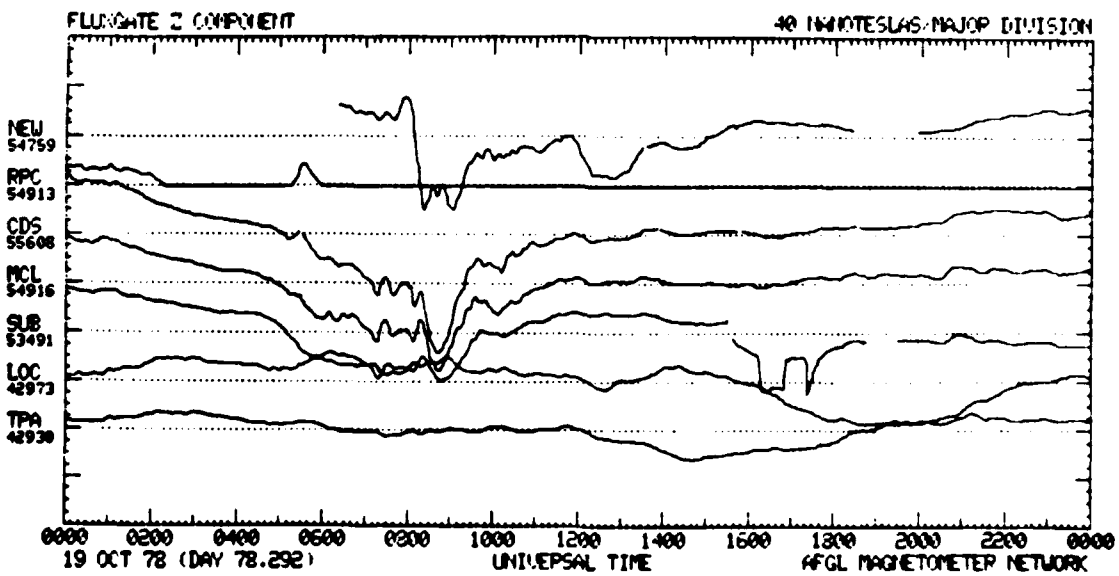
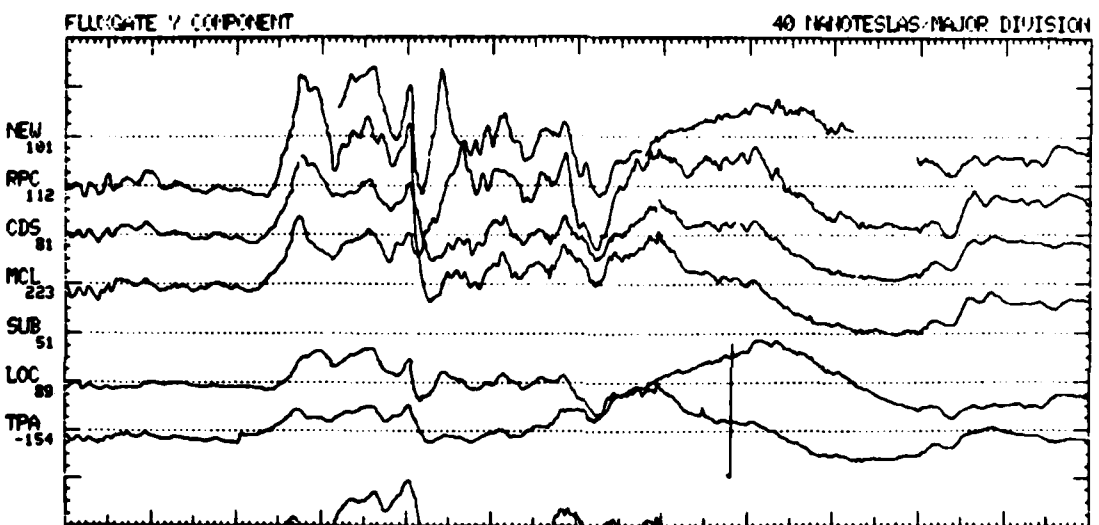
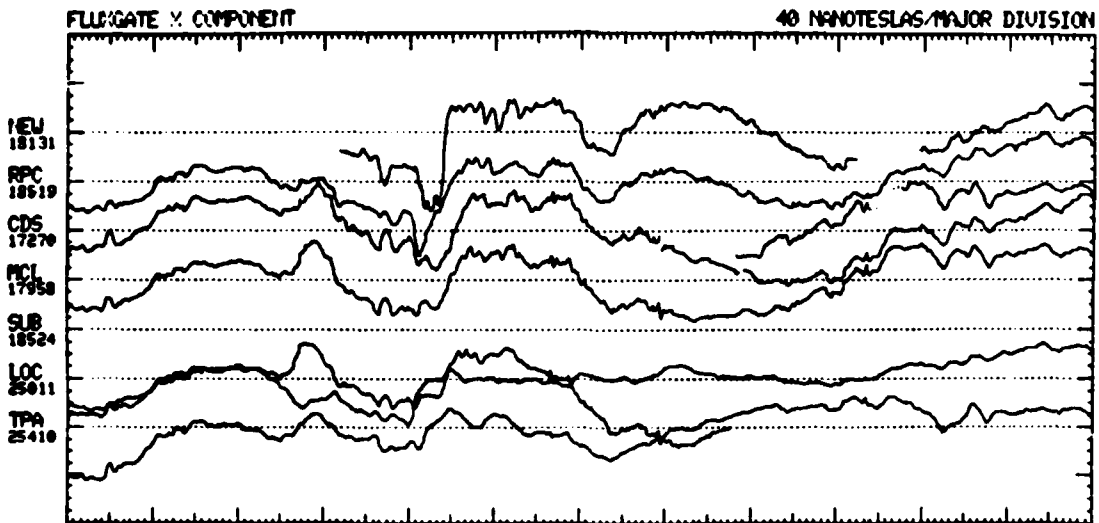


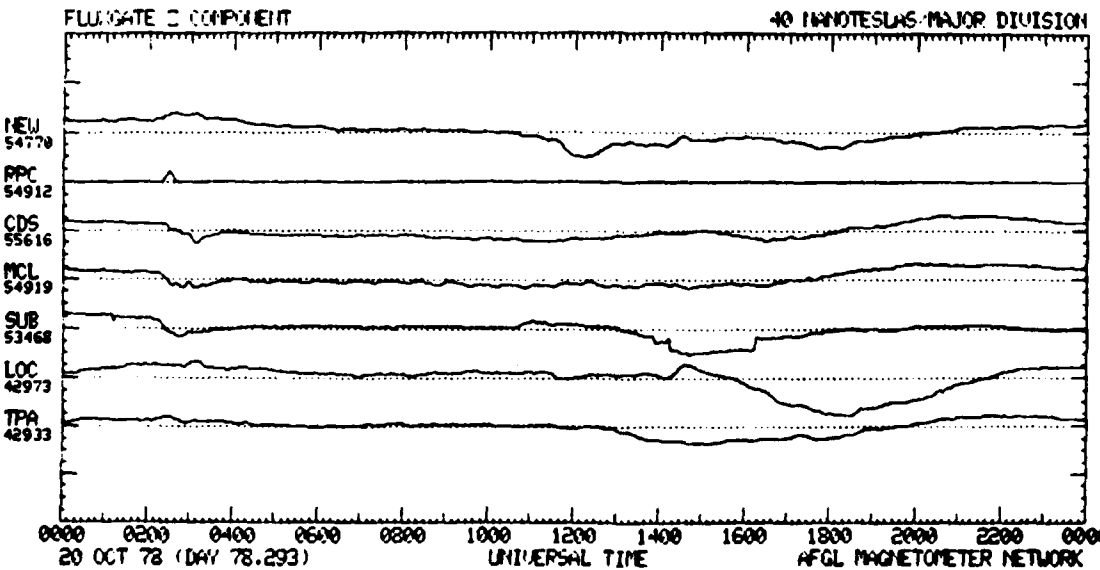
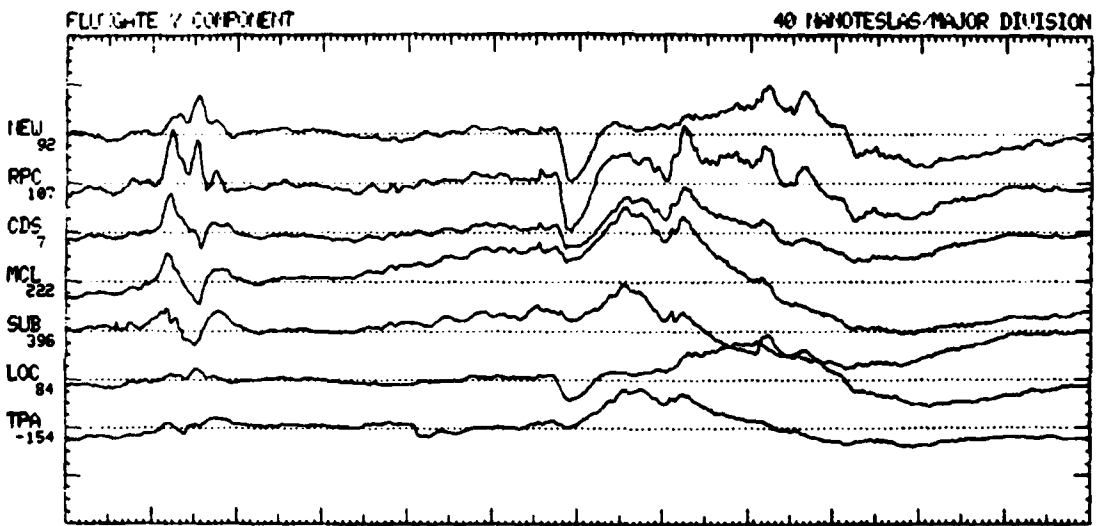
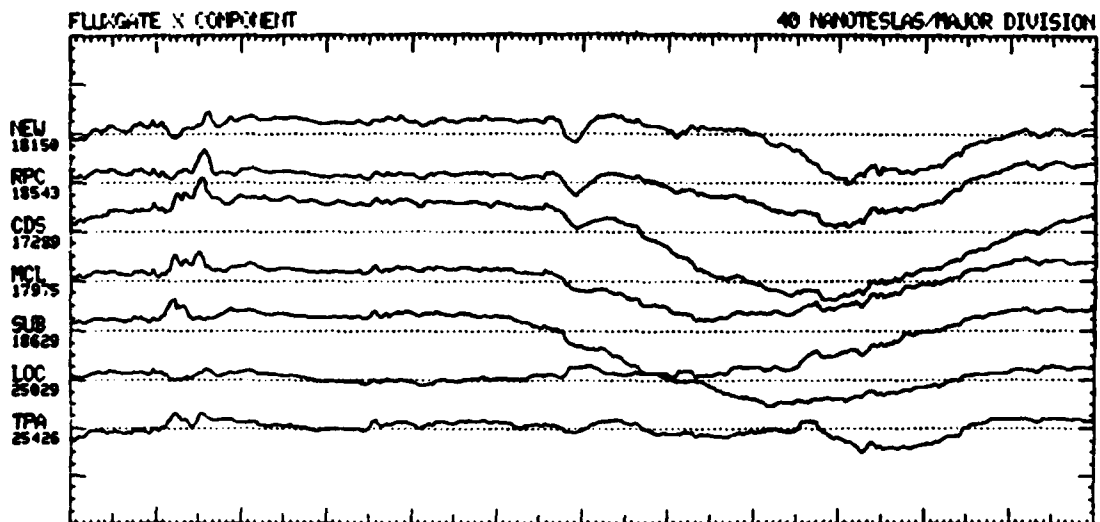
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15 OCT 78 (DAY 78.228) UNILEPSAL TIME AFGL MAGNETOMETER NETWORK

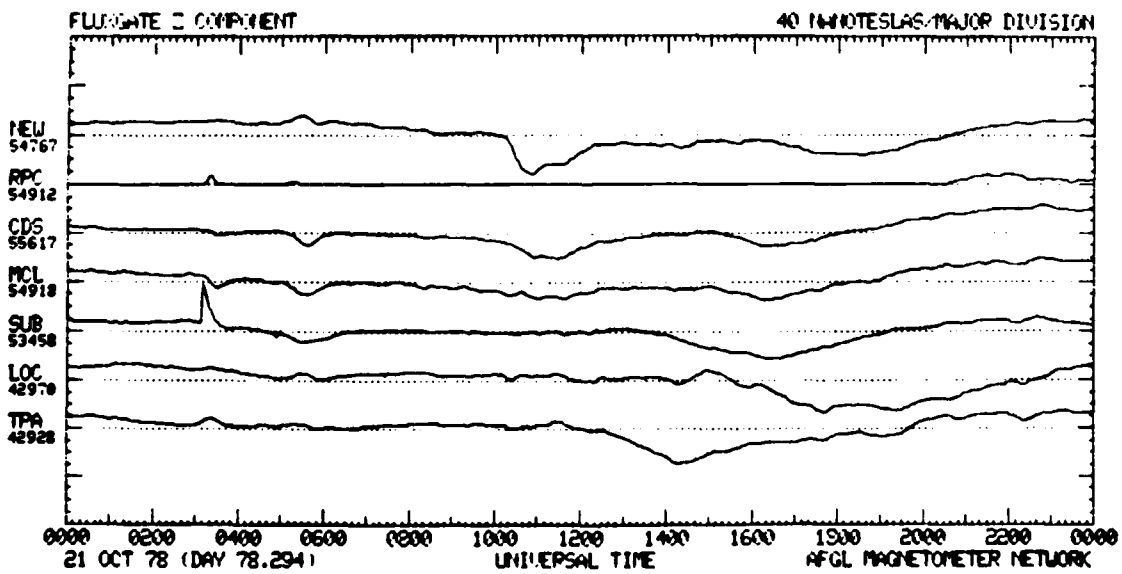
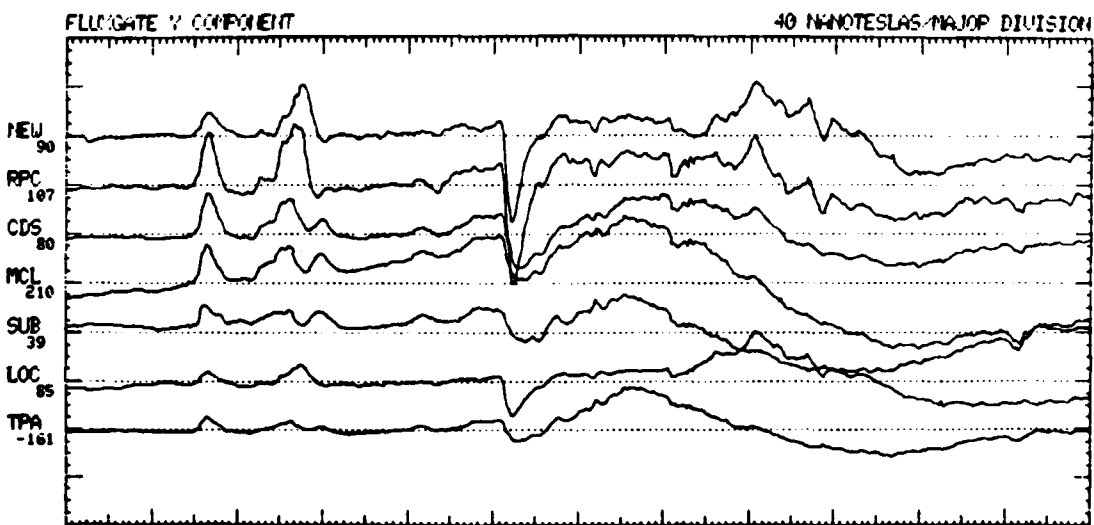
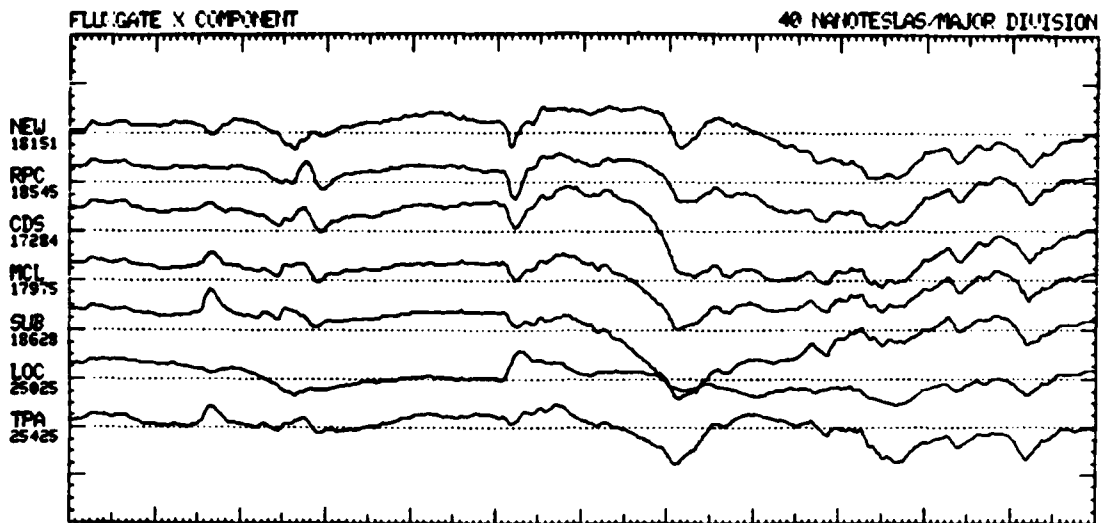








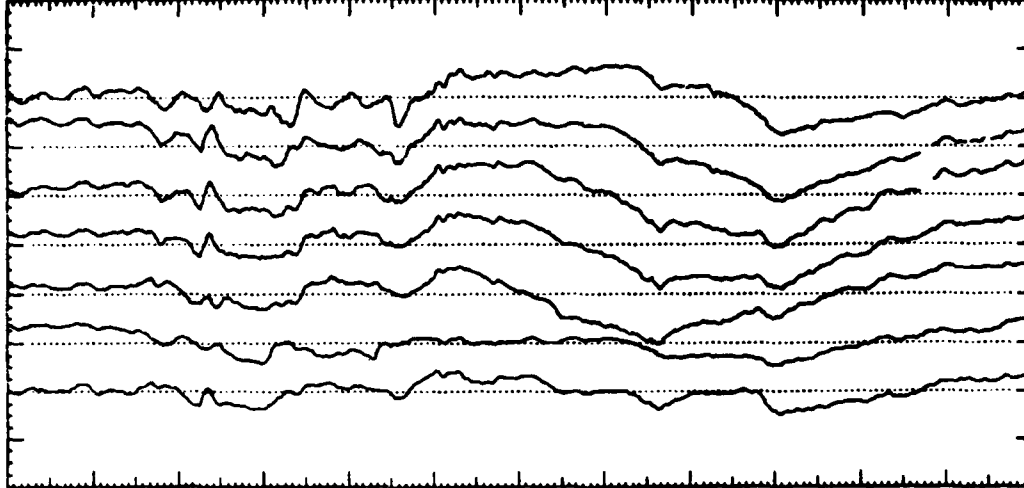




FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

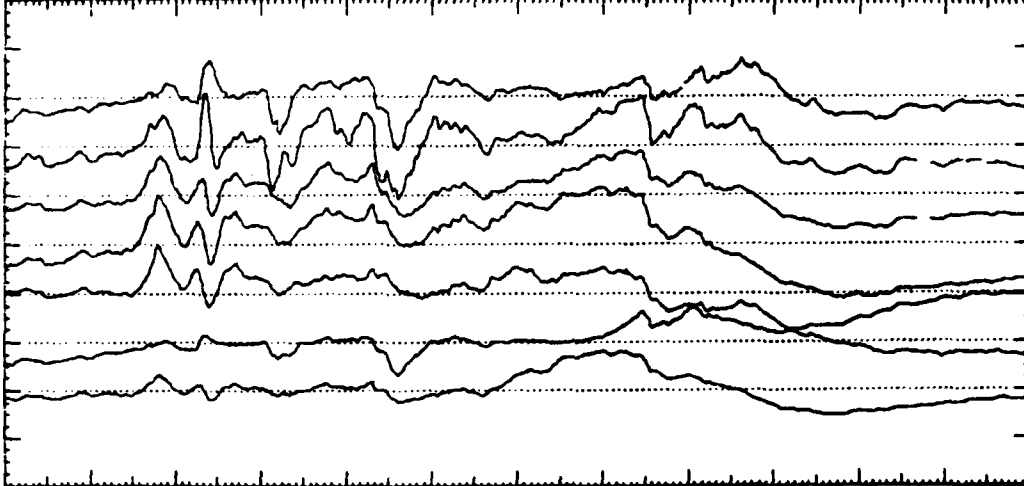
NEU
18143
RPC
18524
CDS
17281
MCL
17971
SUB
18527
LOC
25016
TPA
25422



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

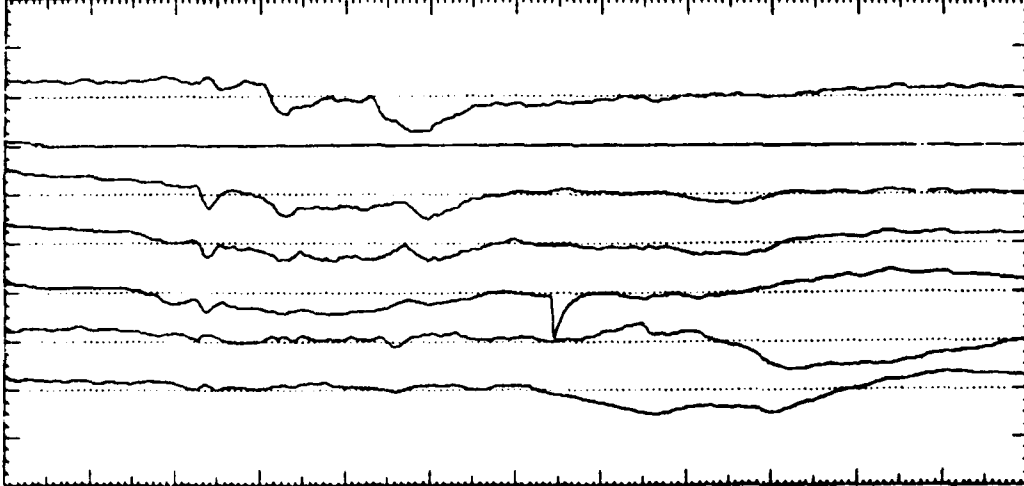
NEU
94
RPC
115
CDS
87
MCL
198
SUB
392
LOC
89
TPA
-157



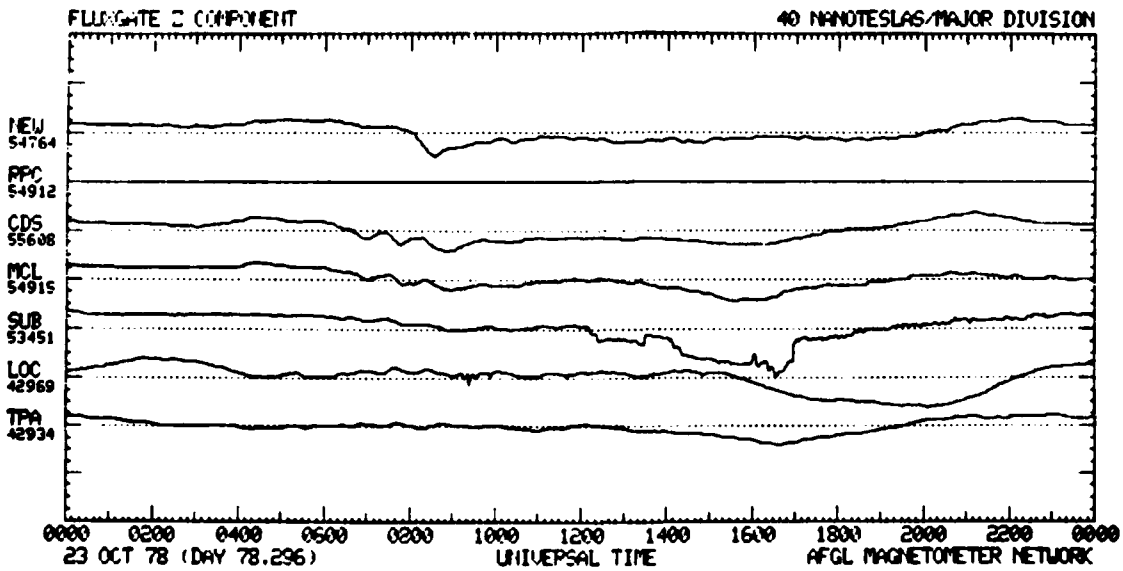
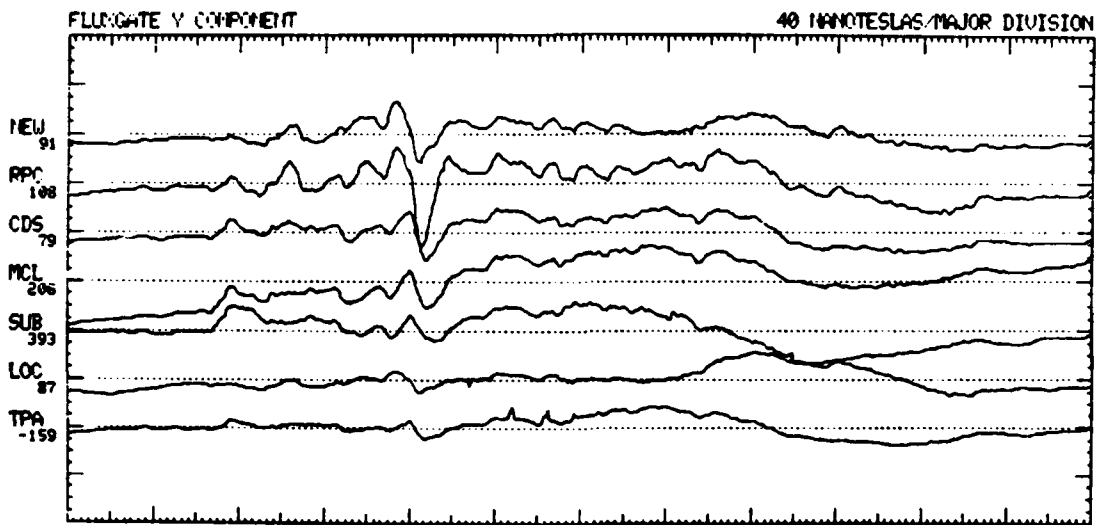
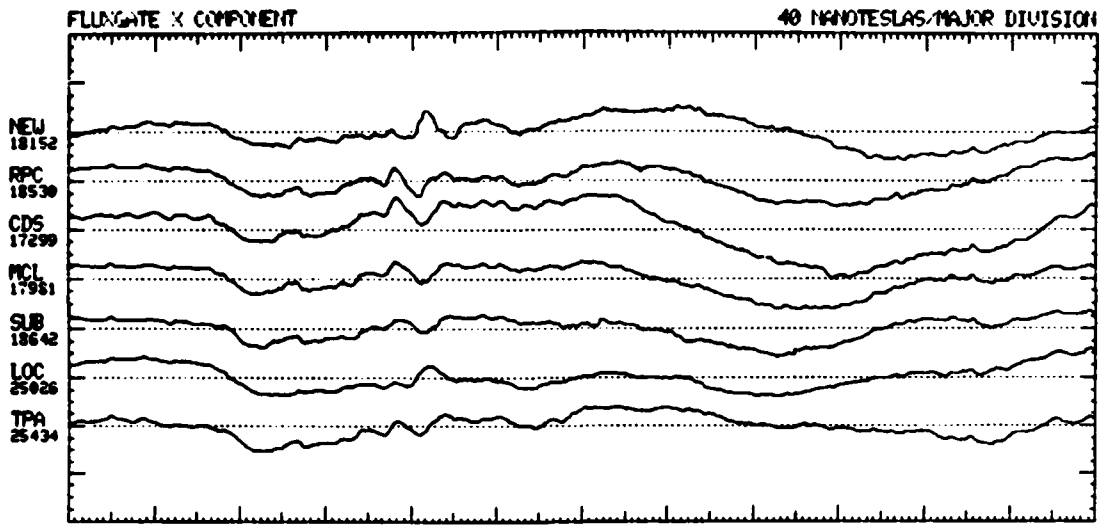
FLUXGATE Z COMPONENT

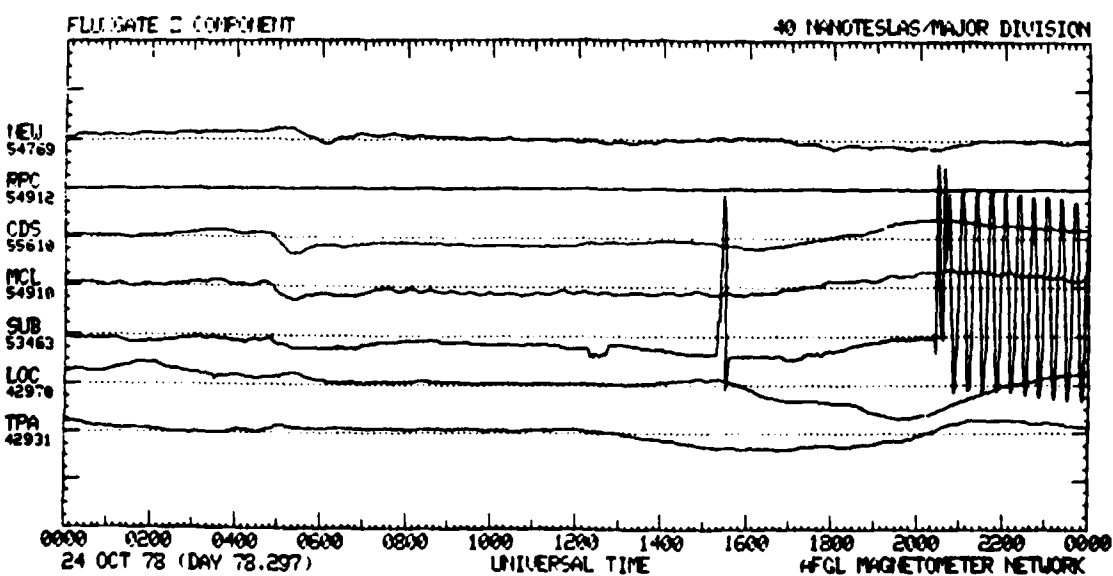
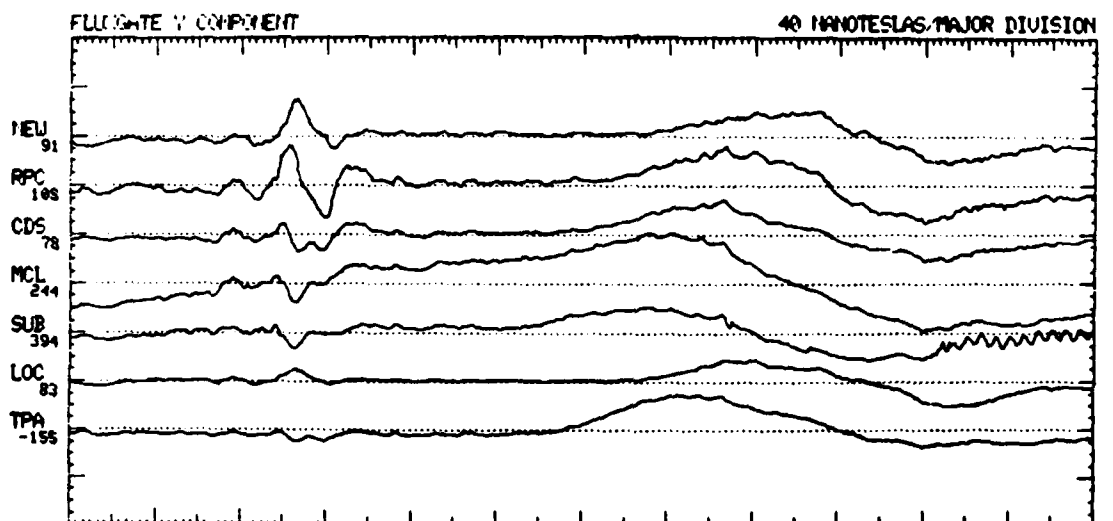
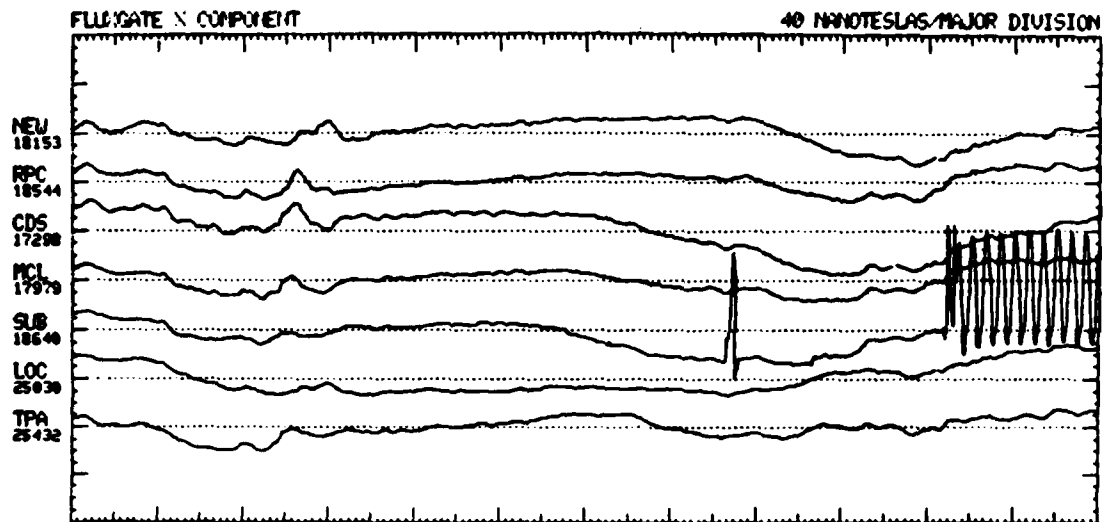
40 NANOTESLAS/MAJOR DIVISION

NEU
54766
RPC
54912
CDS
55615
MCL
54920
SUB
53455
LOC
42973
TPA
42930



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
22 OCT 78 (DAY 78.295) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



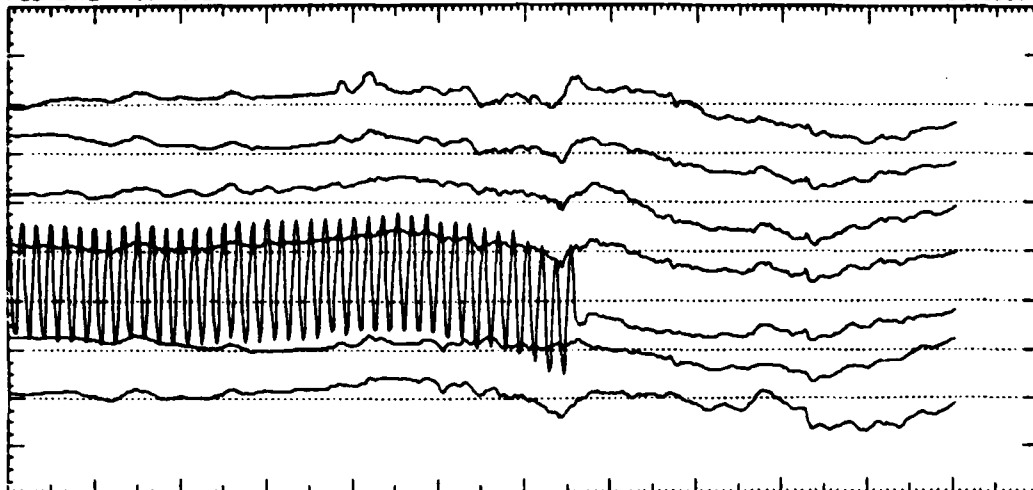


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 24 OCT 78 (DAY 78.297) UNIVERSAL TIME #FGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

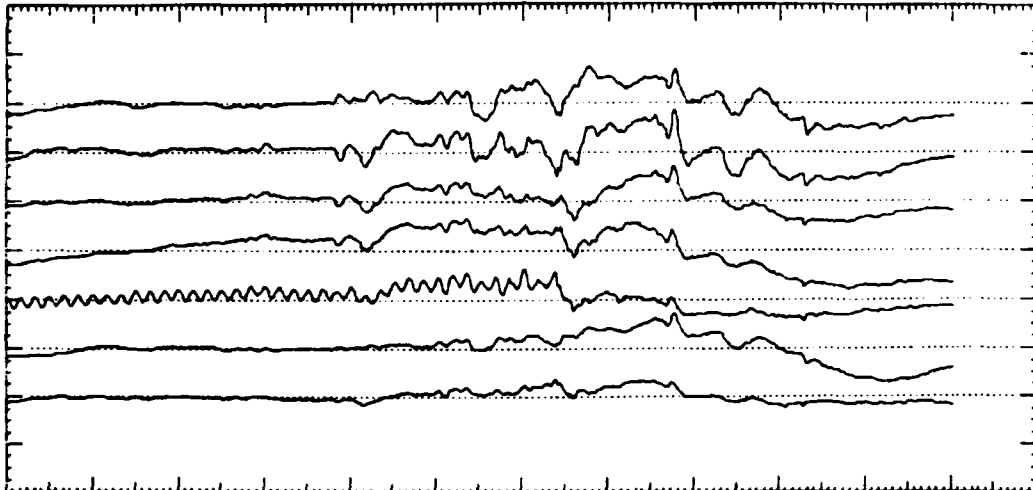
NEU
18162
RPC
18543
CDS
17304
MCL
1799
SUB
18655
LOC
25044
TPA
25441



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

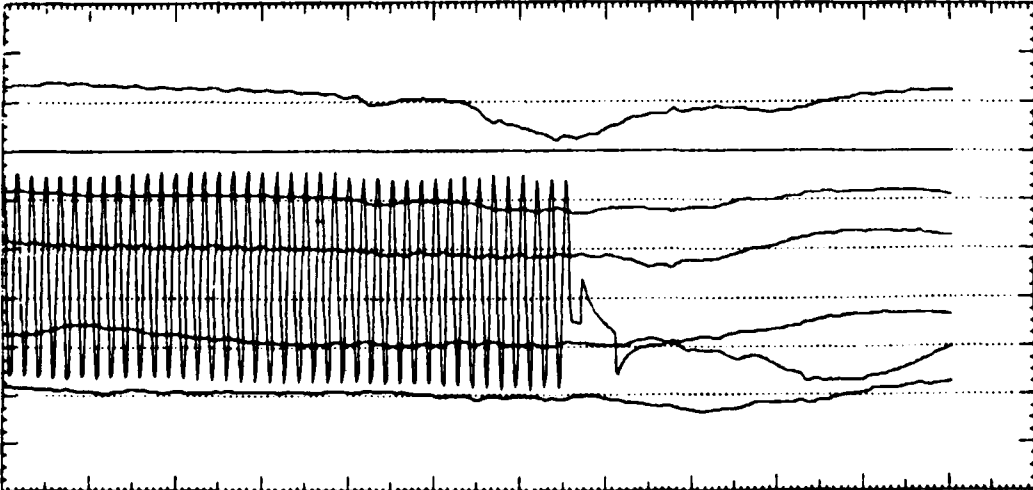
NEU
89
RPC
105
CDS
78
MCL
231
SUB
395
LOC
83
TPA
-159



FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54754
RPC
54912
CDS
55608
MCL
54909
SUB
53472
LOC
42967
TPA
42926

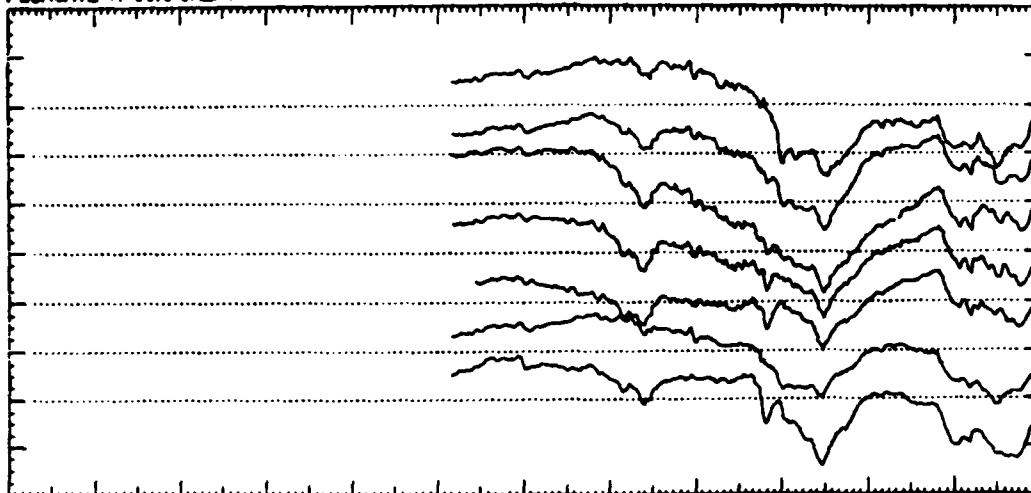


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
25 OCT 78 (DAY 78.293) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLURGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

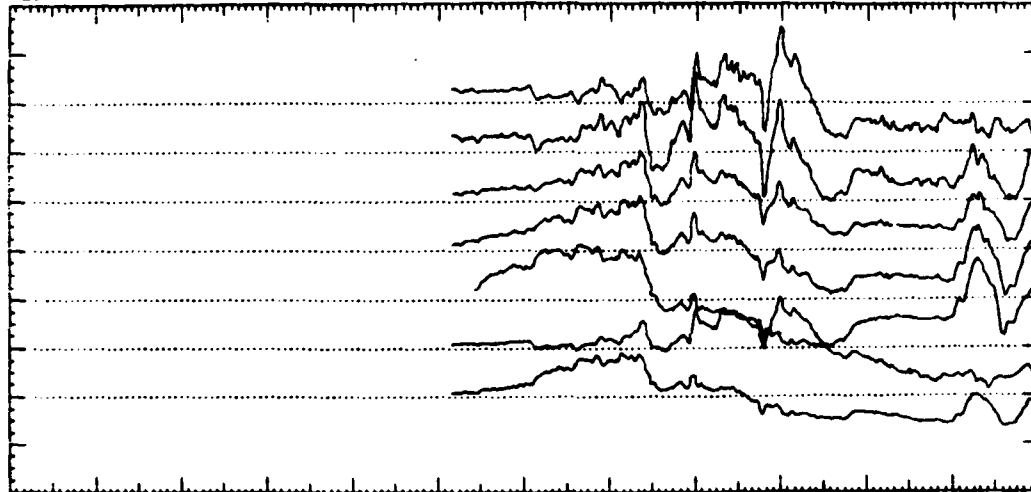
NEU
13151
RPC
18531
CDS
17290
MCL
17975
SUB
18638
LOC
25937
TPA
25428



FLURGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

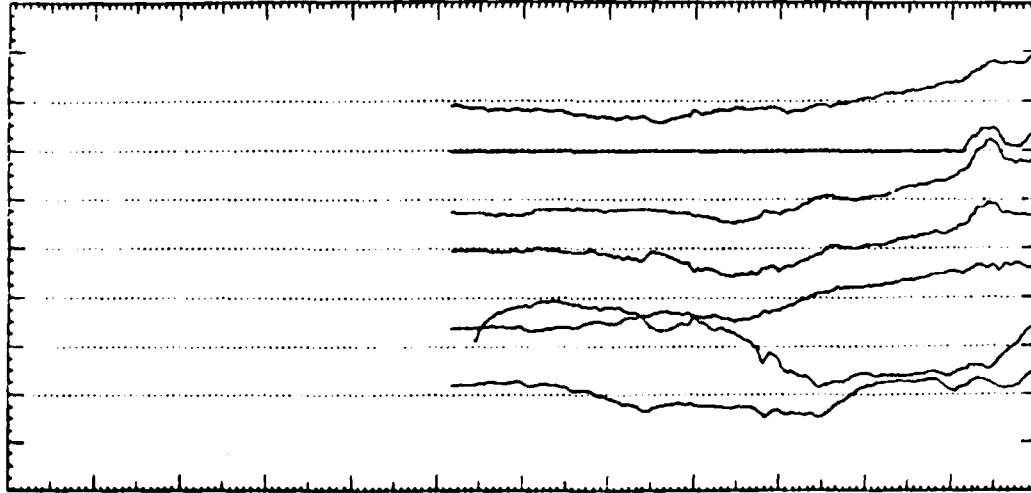
NEU
83
RPC
110
CDS
83
MCL
220
SUB
393
LOC
88
TPA
-154



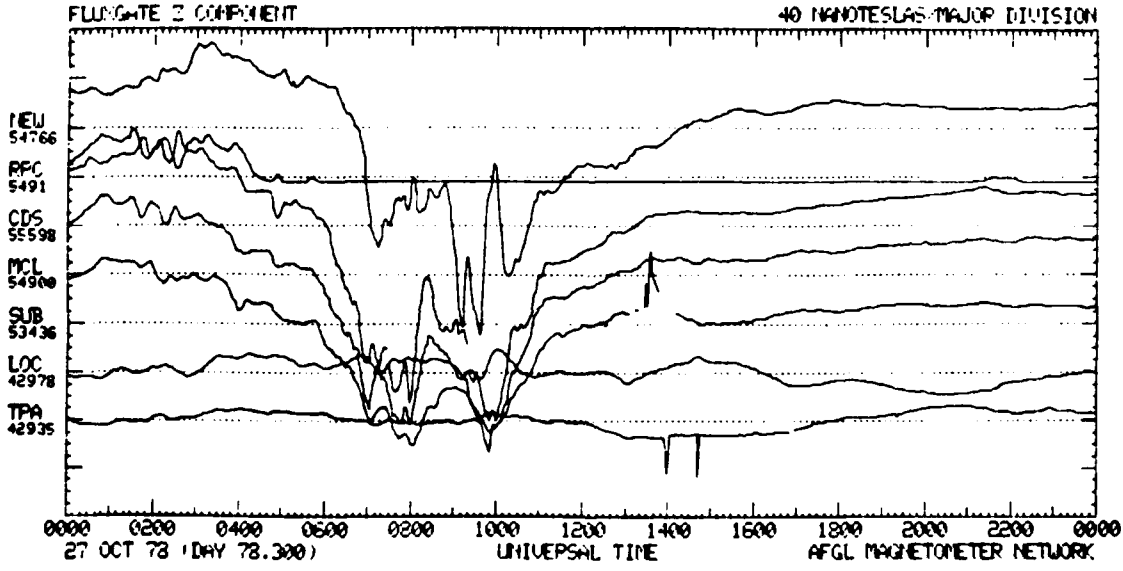
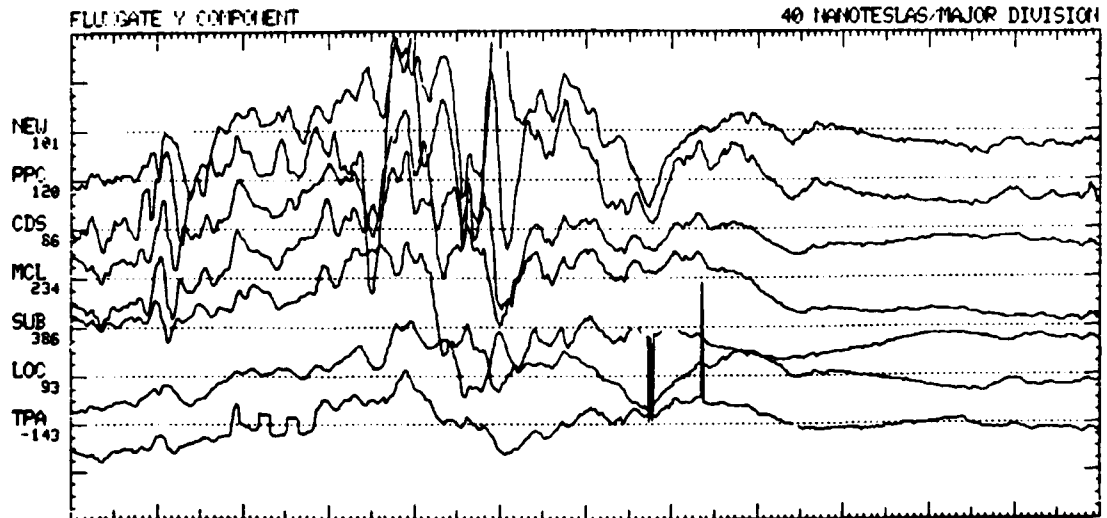
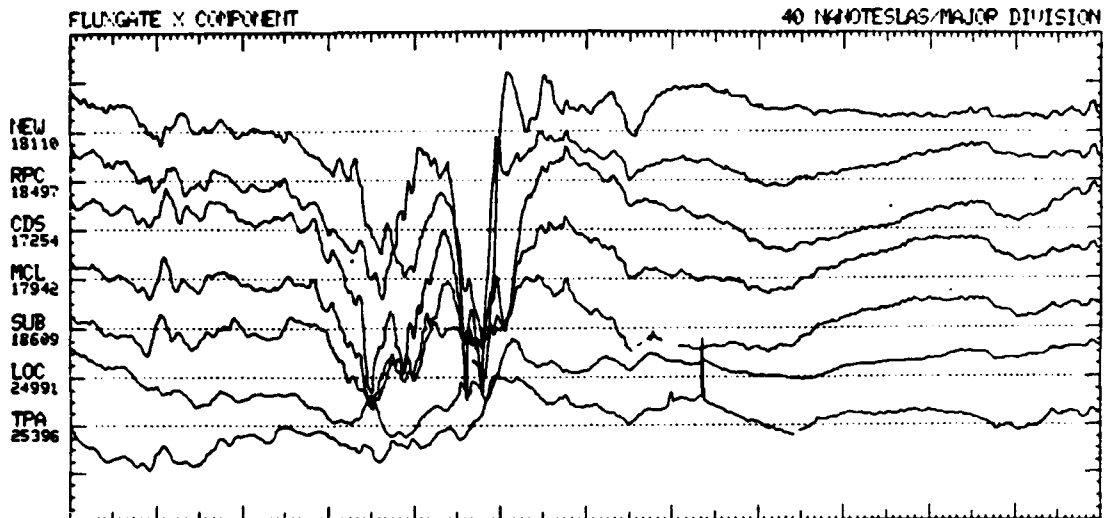
FLURGATE Z COMPONENT

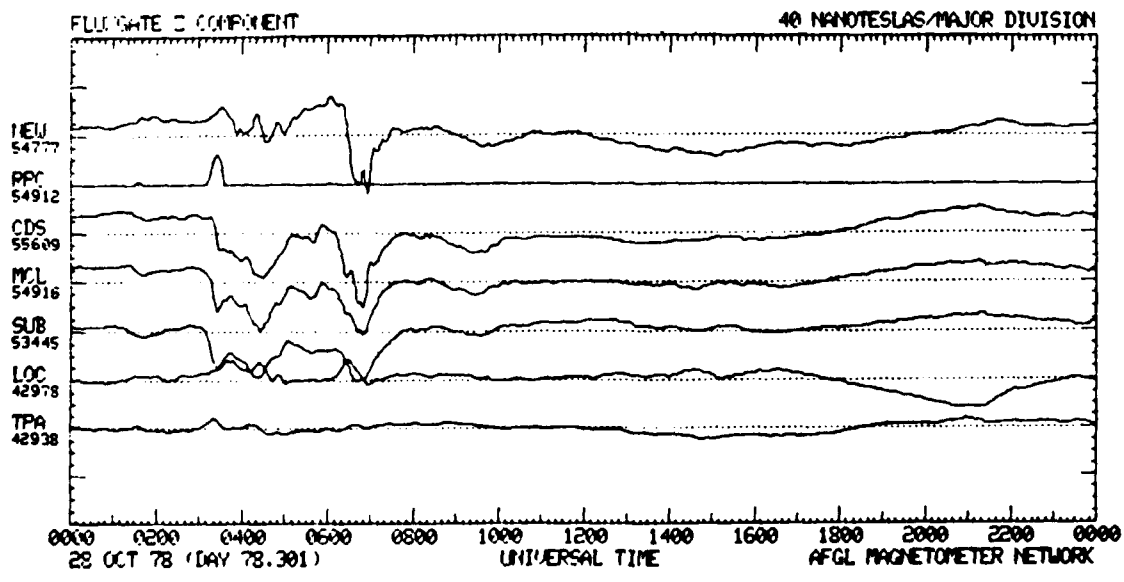
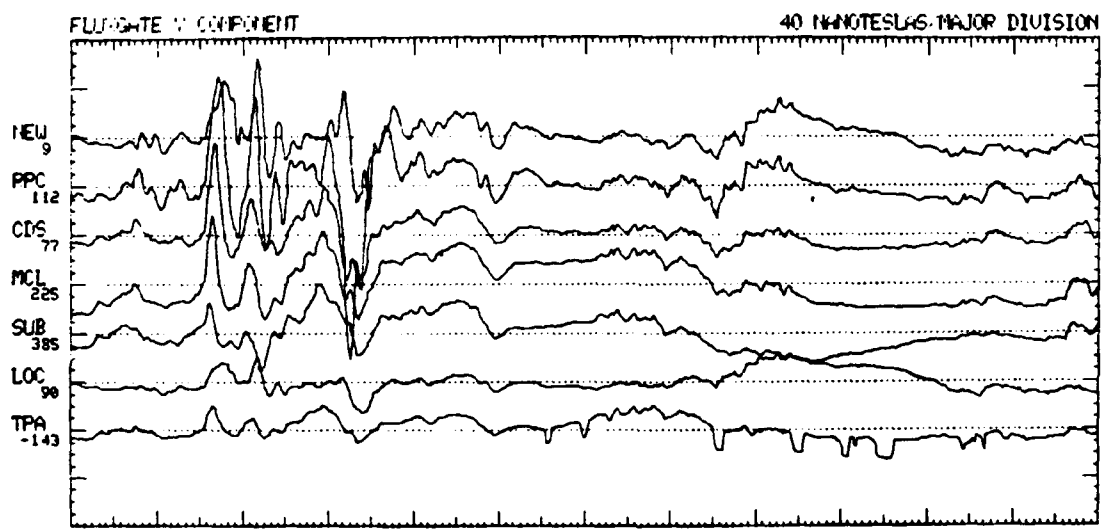
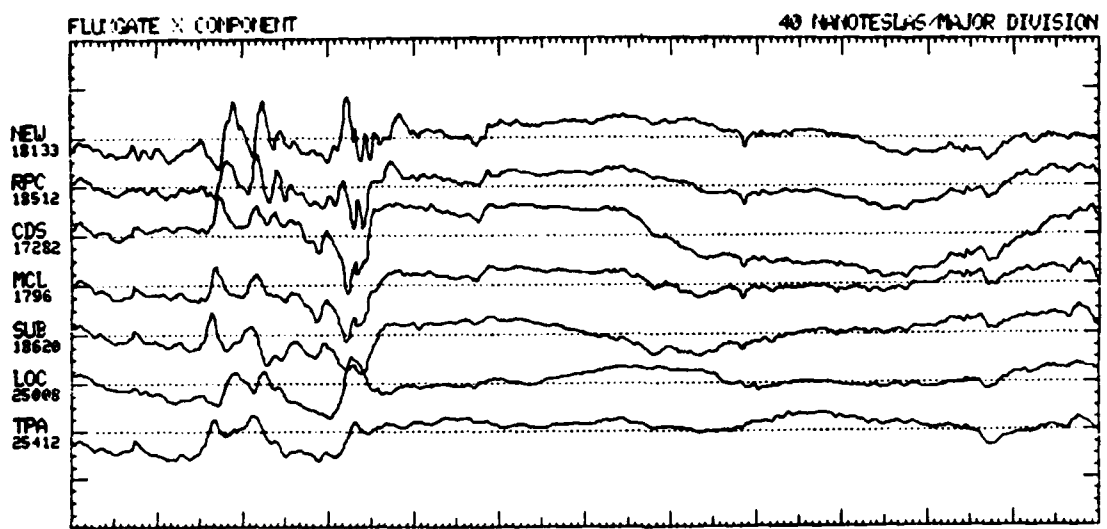
40 NANOTESLAS/MAJOR DIVISION

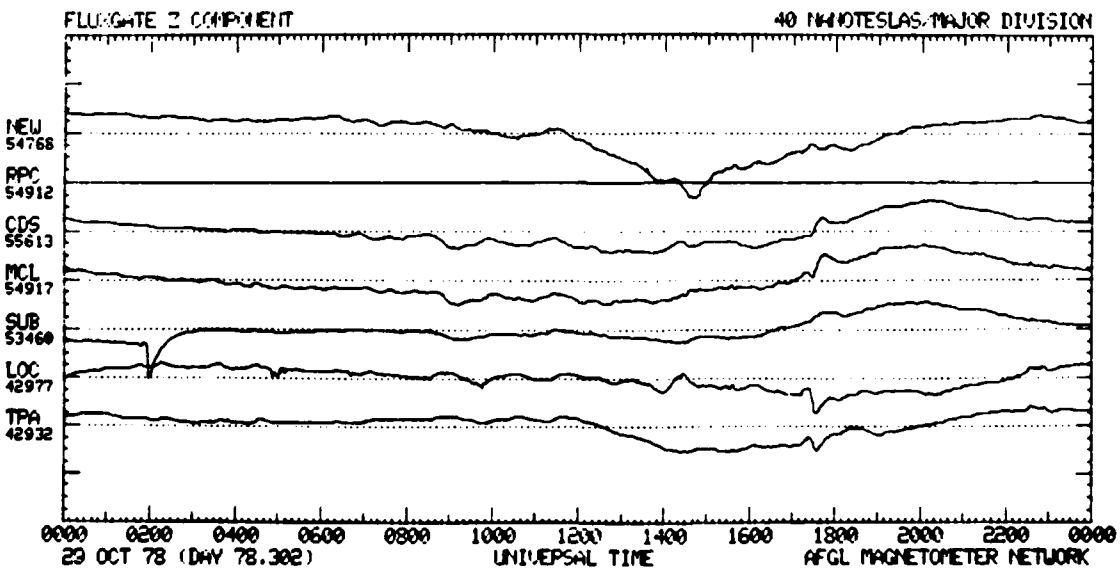
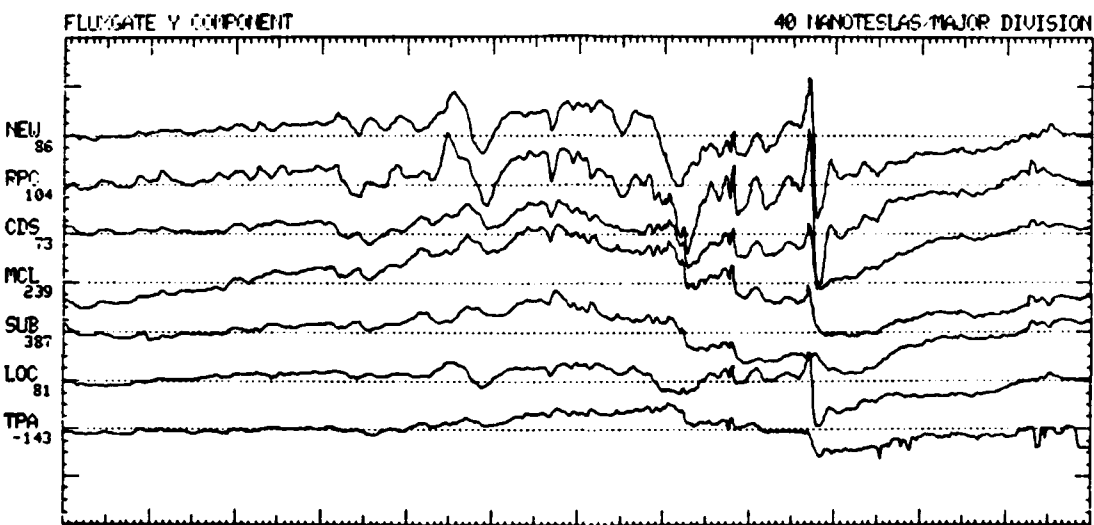
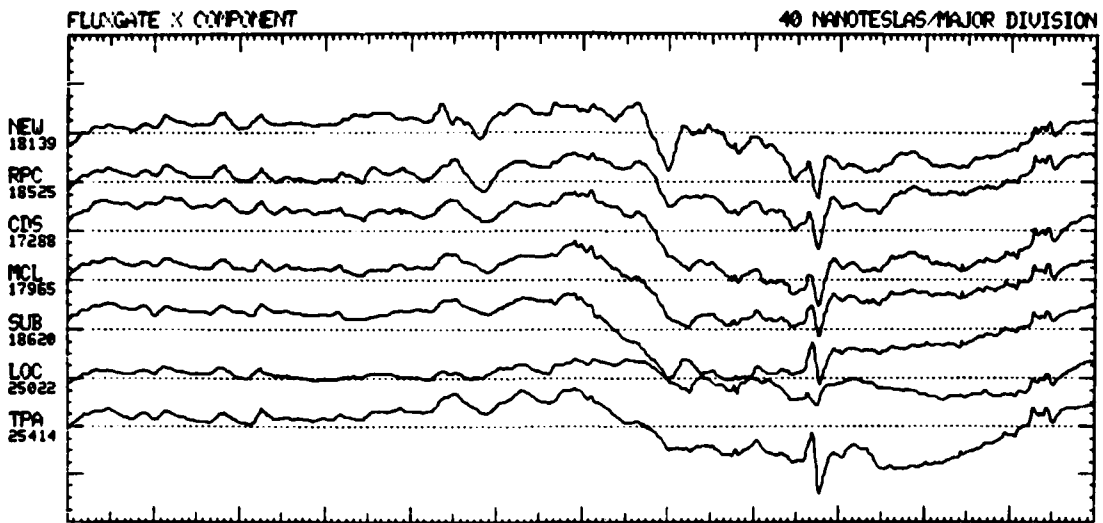
NEU
54759
RPC
54913
CDS
55613
MCL
54915
SUB
53450
LOC
42960
TPA
42921

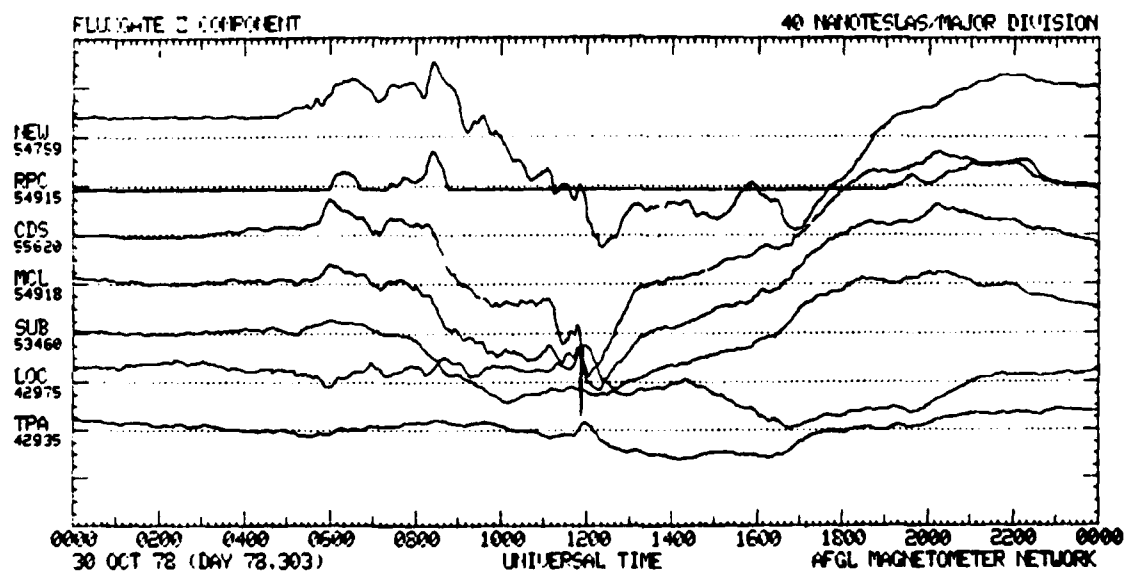
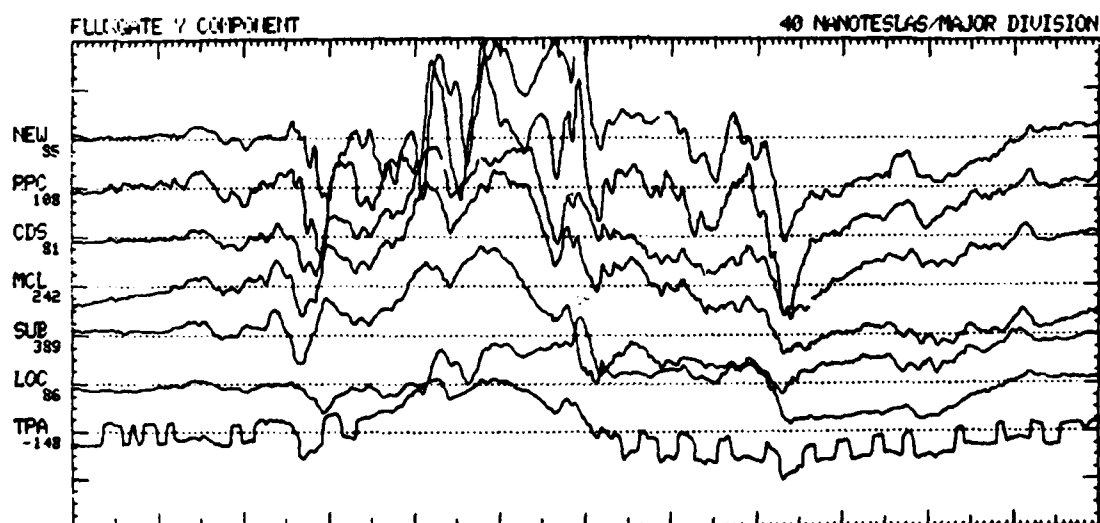
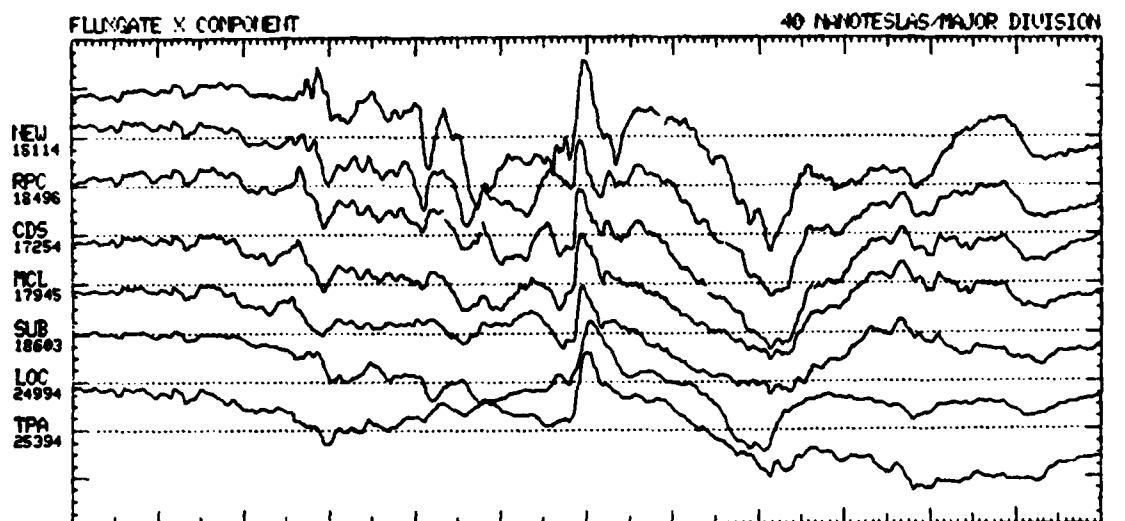


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26 OCT 78 (DAY 78.299) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



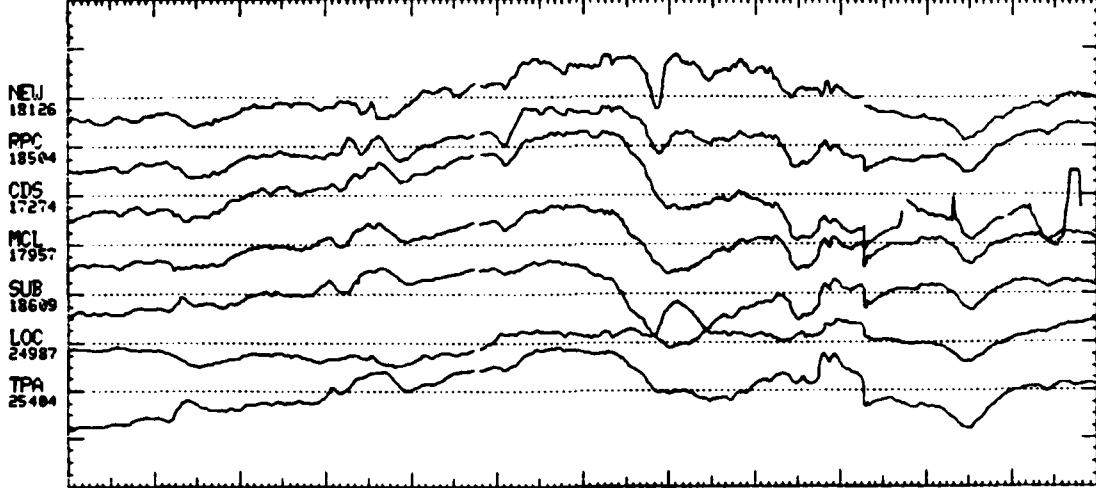






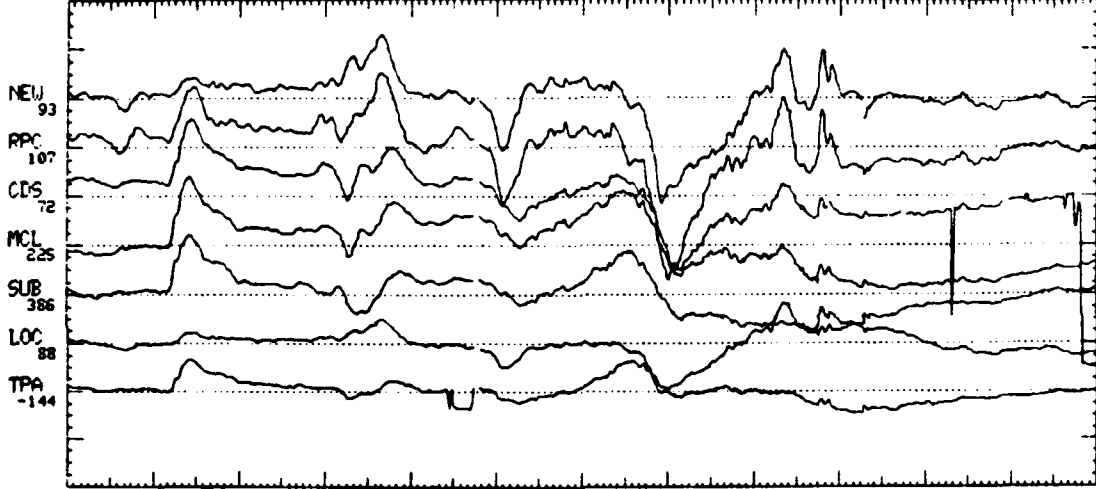
FLLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



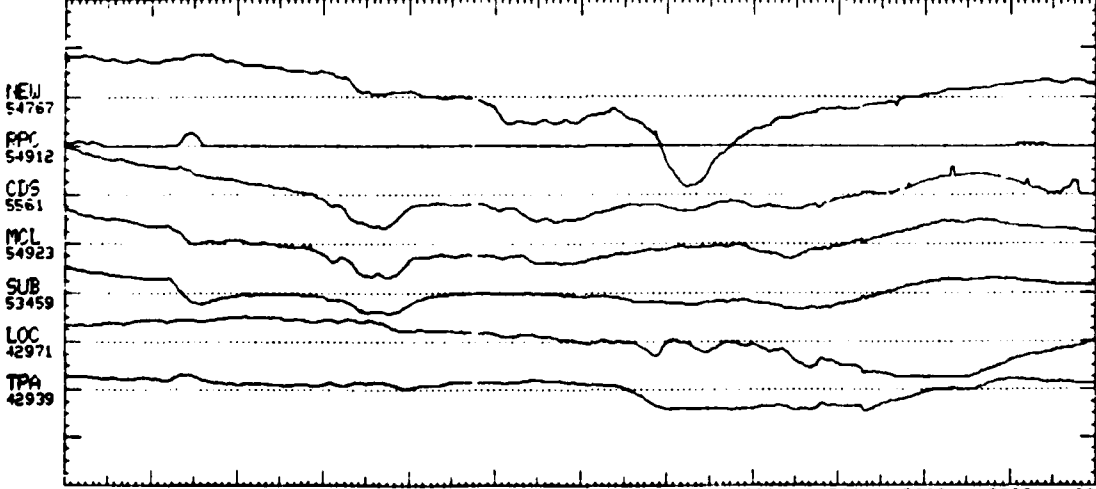
FLLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

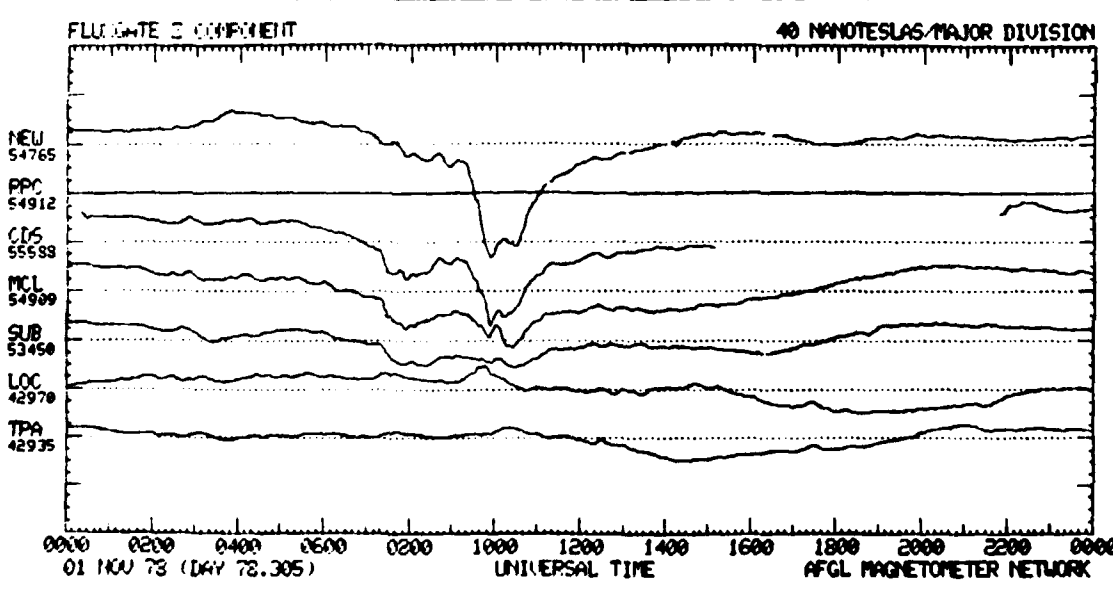
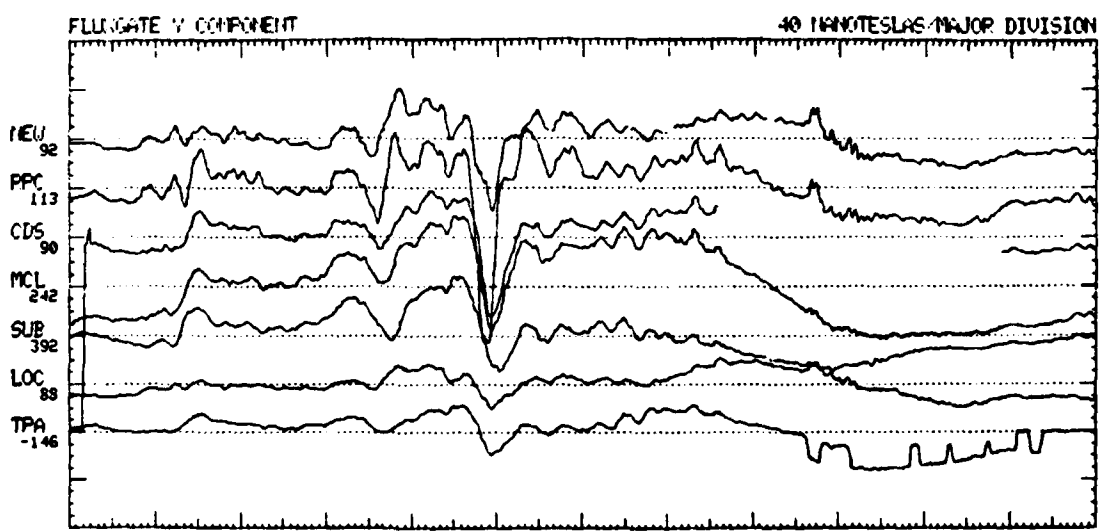
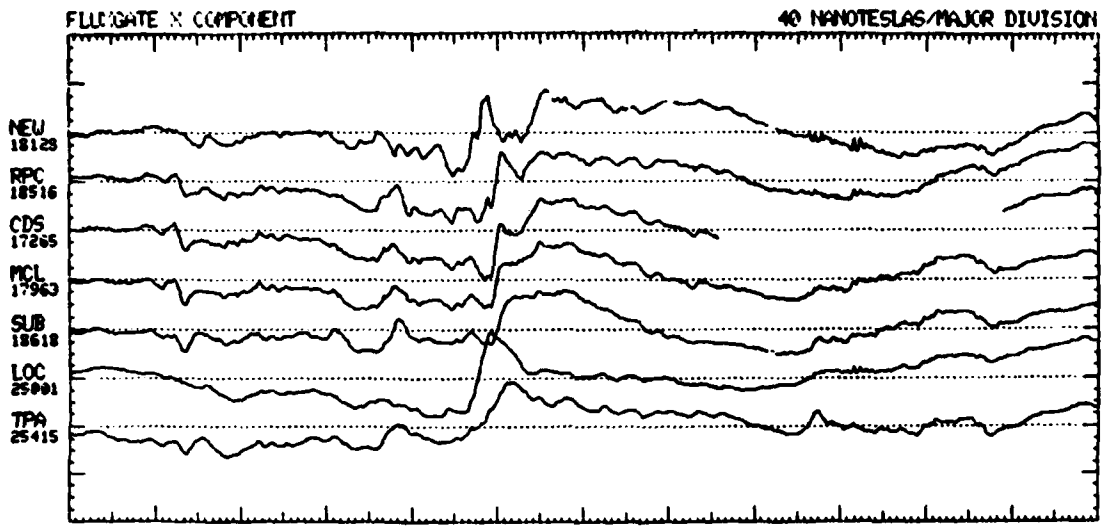


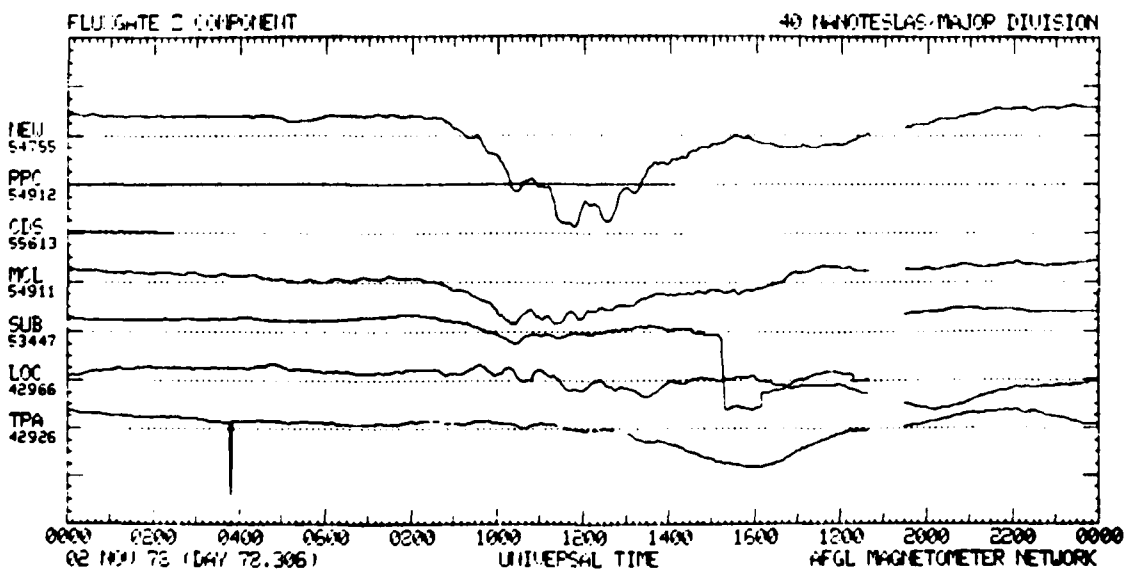
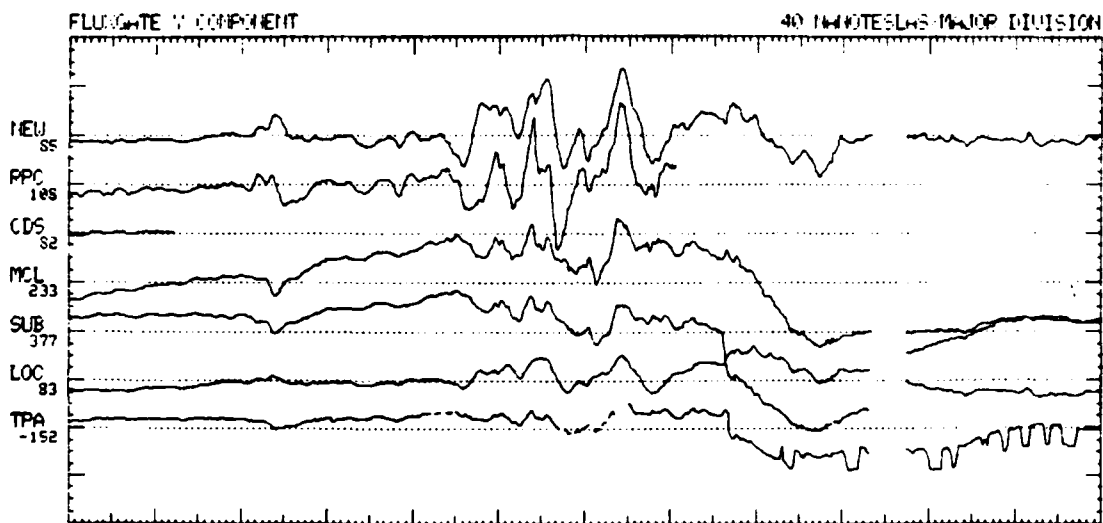
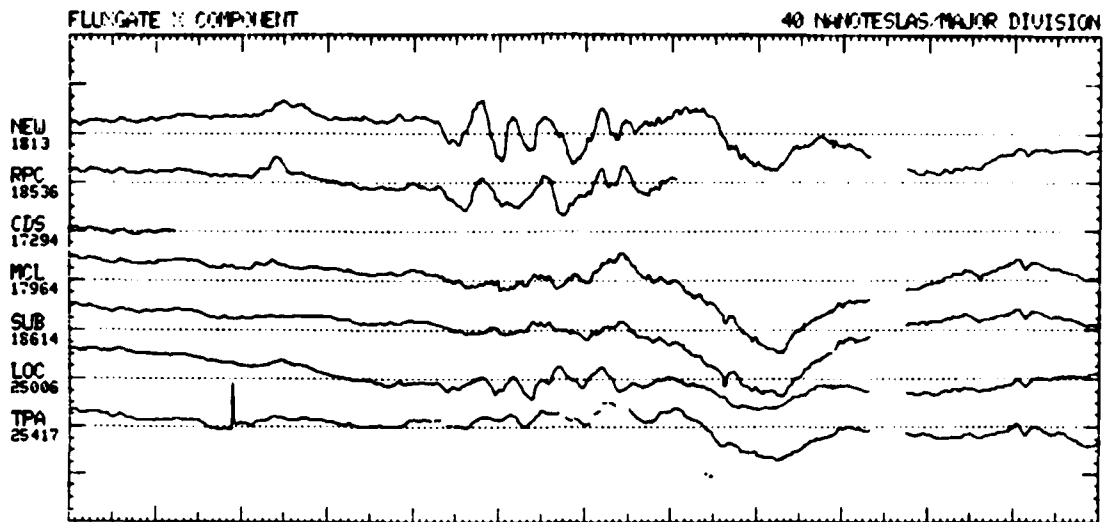
FLLIGHT Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION



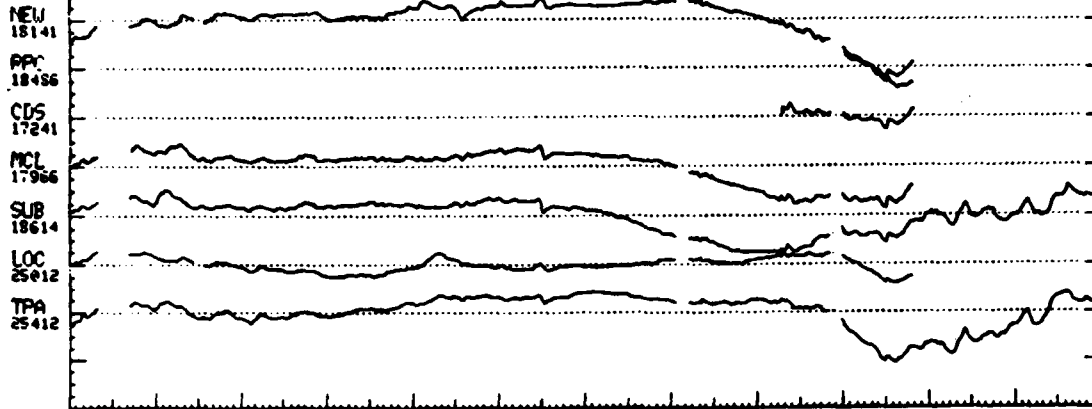
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31 OCT 78 (DAY 78.304) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK





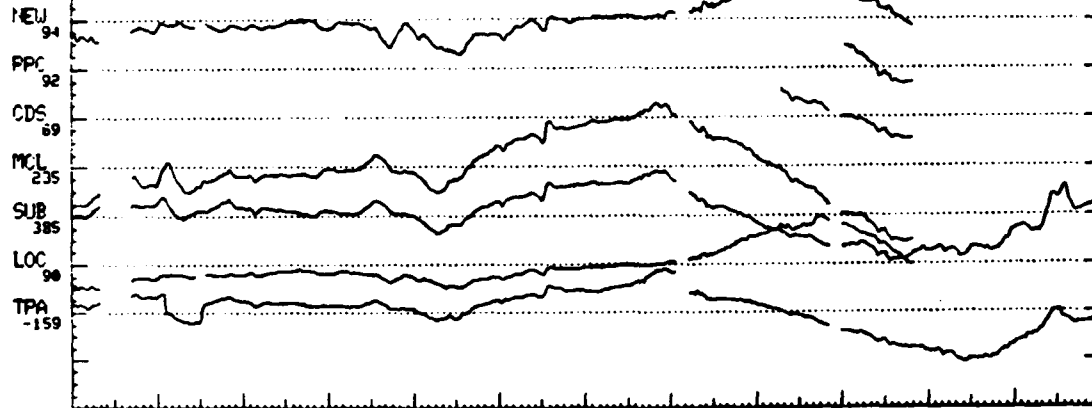
FLIGHT 1 COMPONENT

40 NANOTESLAS/MAJOR DIVISION



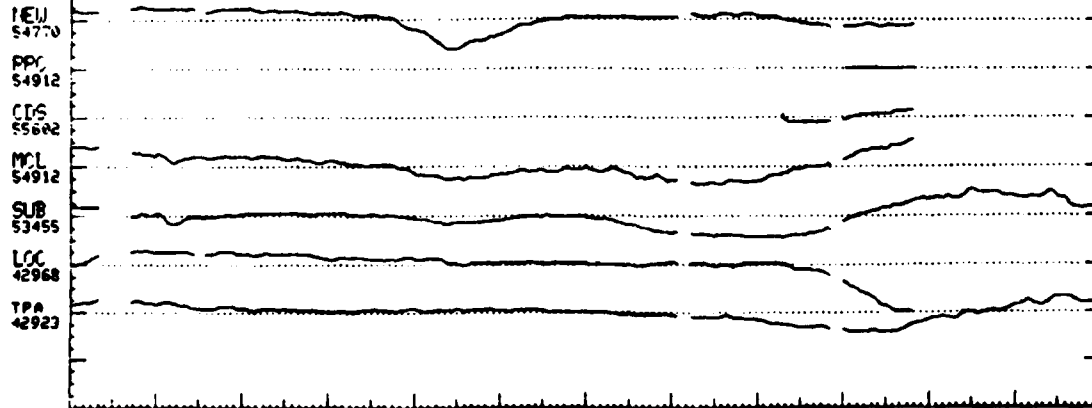
FLIGHT 1 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

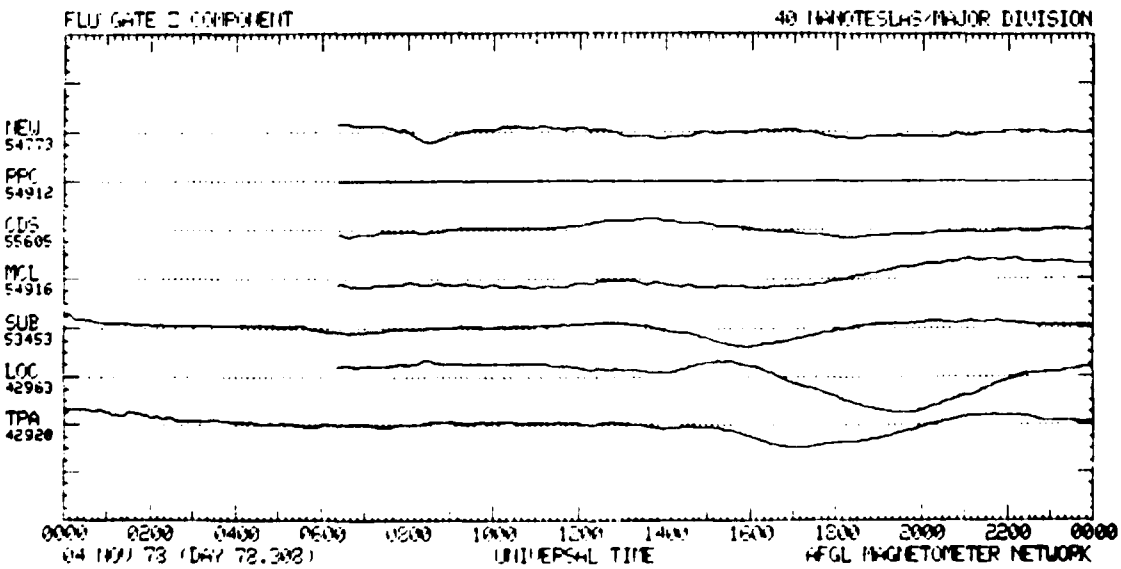
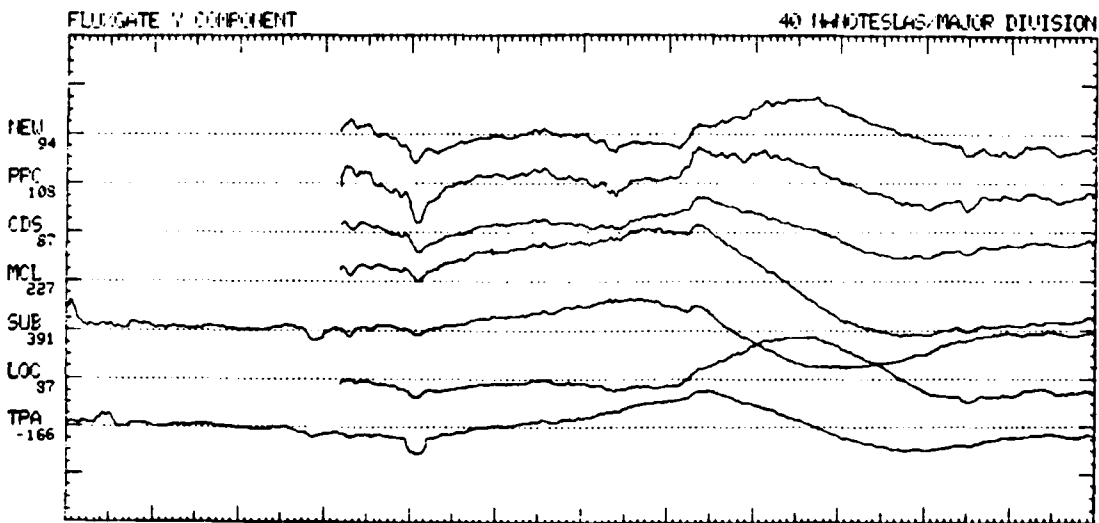
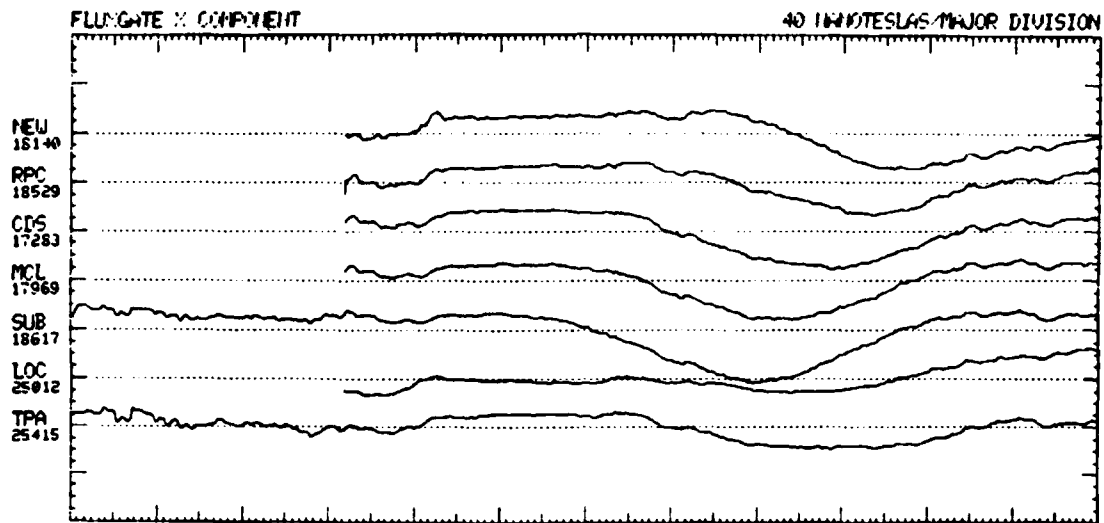


FLIGHT 2 COMPONENT

40 NANOTESLAS/MAJOR DIVISION



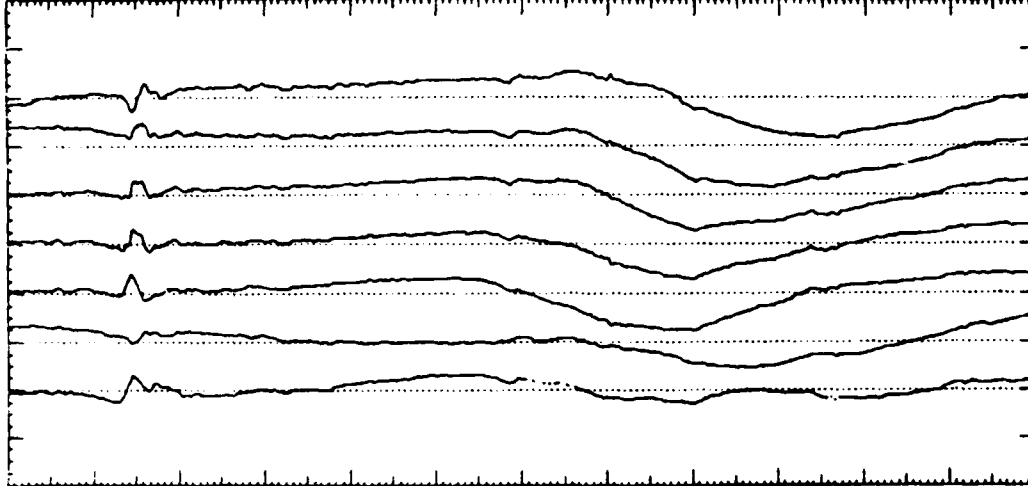
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 03 NOV 73 (DAY 78.207) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHT 11 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

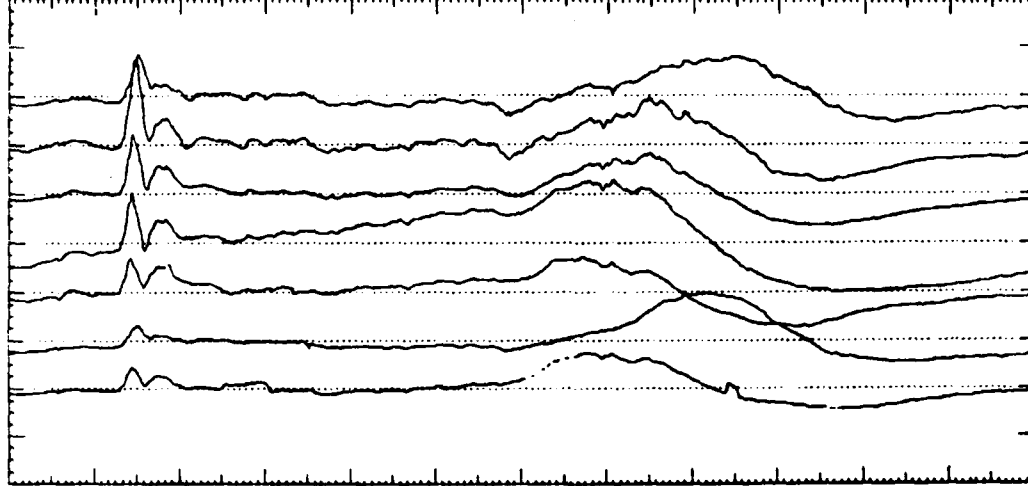
NEU
18144
PPC
1852
CDS
17294
MCL
17981
SUB
18627
LOC
25623
TPA
25422



FLIGHT 12 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

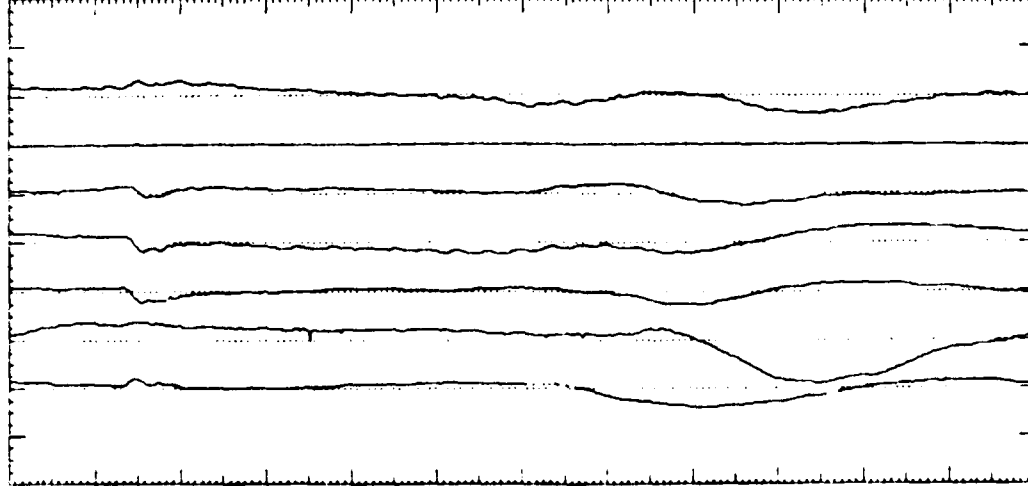
NEU
55
PPC
104
CDS
55
MCL
217
SUB
395
LOC
85
TPA
-169



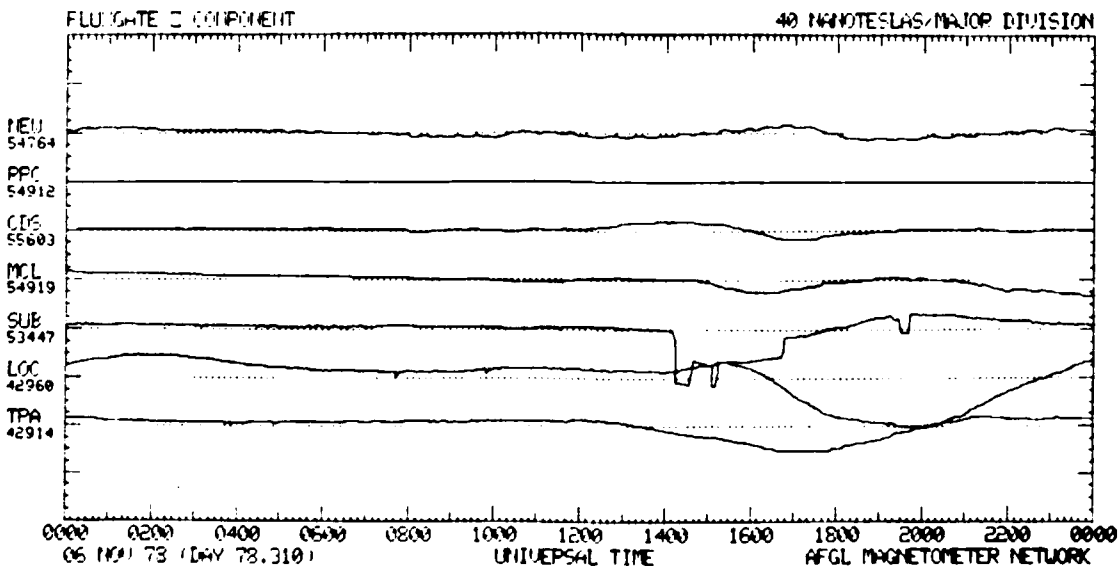
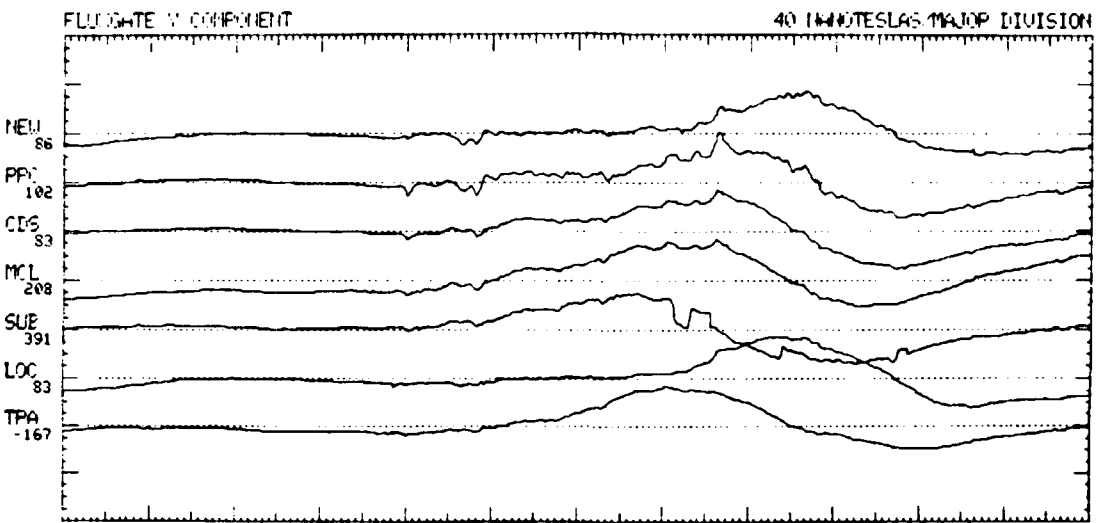
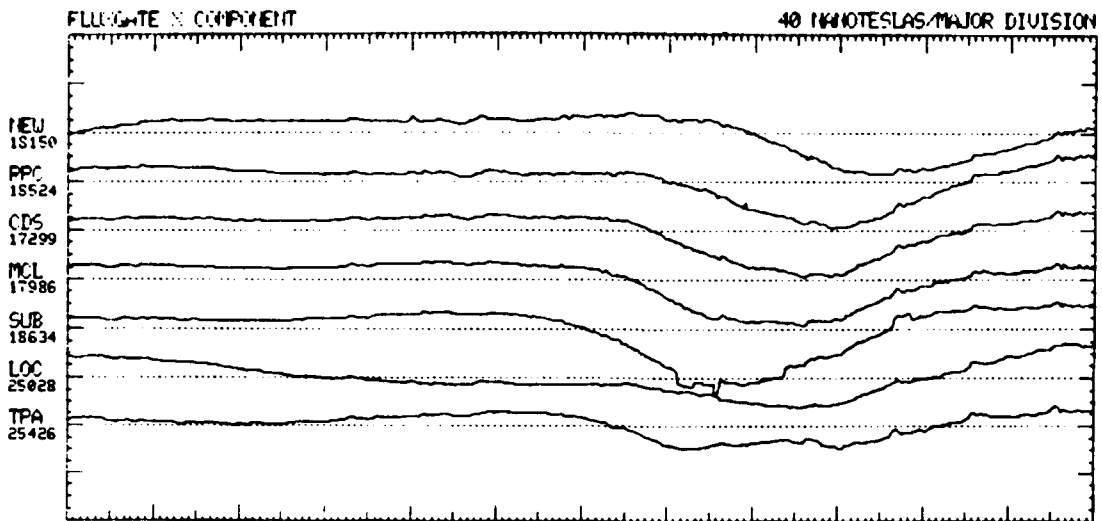
FLIGHT 13 COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54766
PPC
54912
CDS
55603
MCL
54919
SUB
53452
LOC
42966
TPA
42916



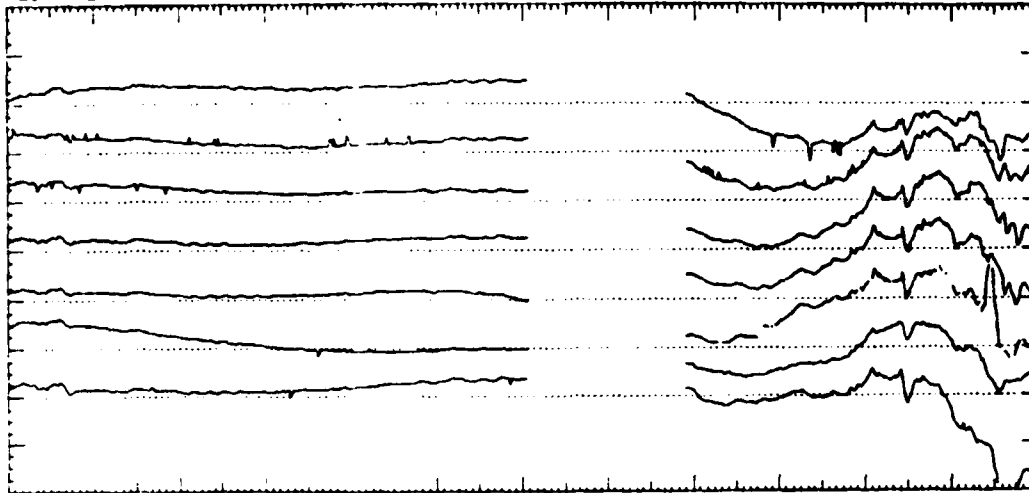
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05 NOV 73 (147 72.309) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHT GATE 2 COMPONENT

40 NANOTESLAS MAJOR DIVISION

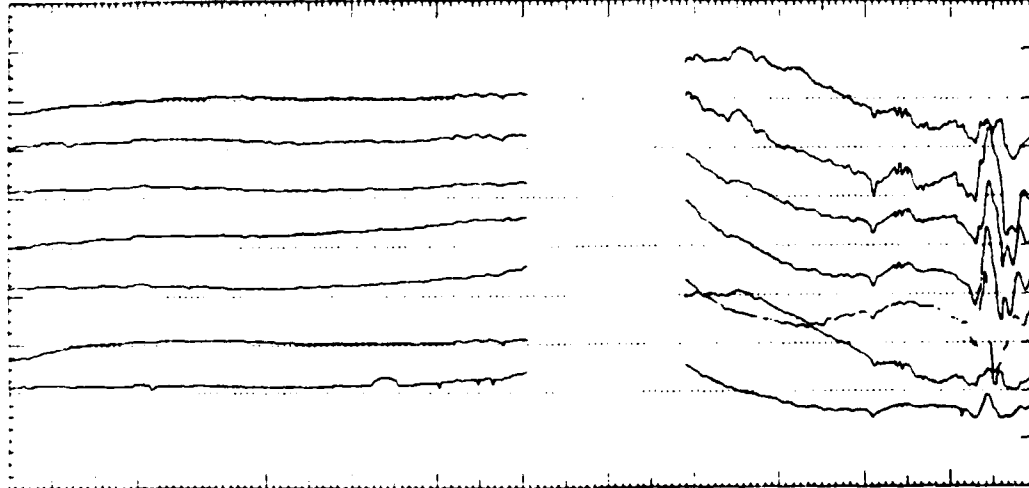
NEU
18152
PPC
15533
CDS
17299
MCL
17988
SUB
15645
LOC
25036
TPA
25430



FLIGHT GATE 2 COMPONENT

40 NANOTESLAS MAJOR DIVISION

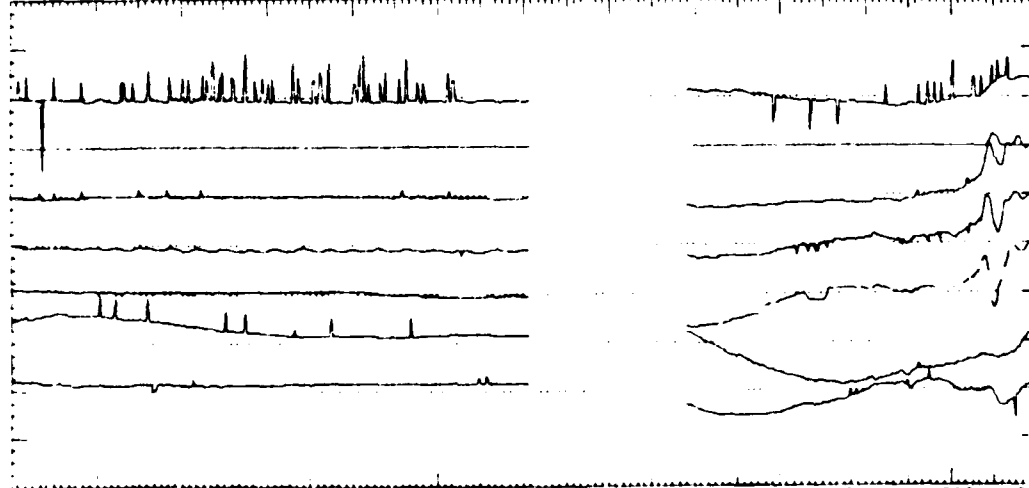
NEU
84
PPC
97
CDS
5
MCL
229
SUB
387
LOC
50
TPA
-173



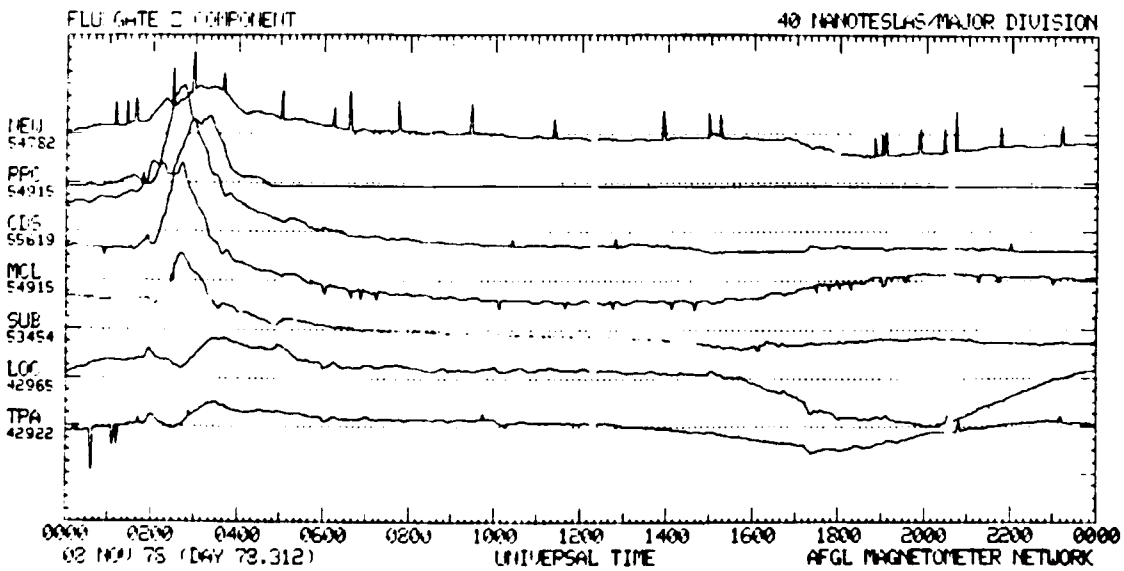
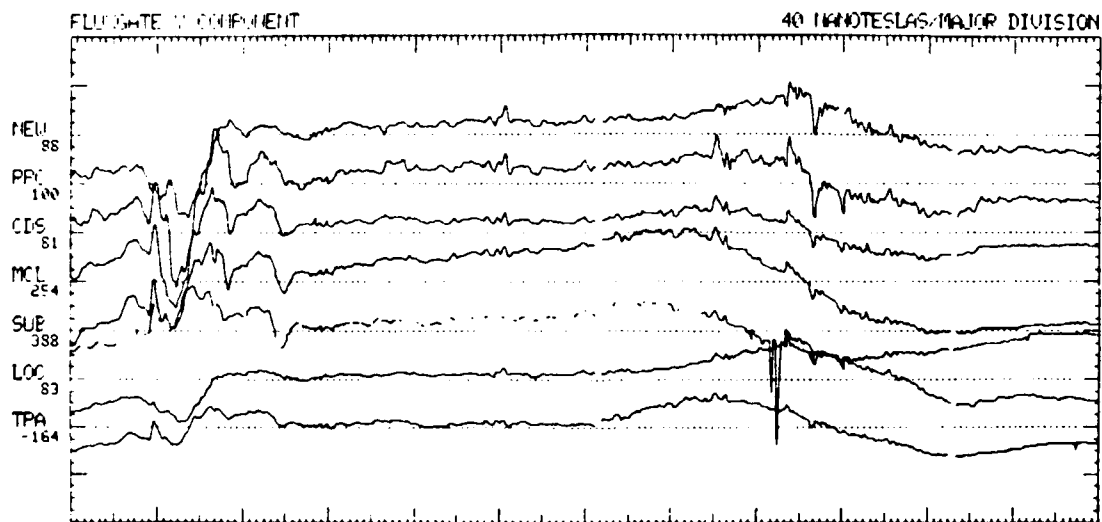
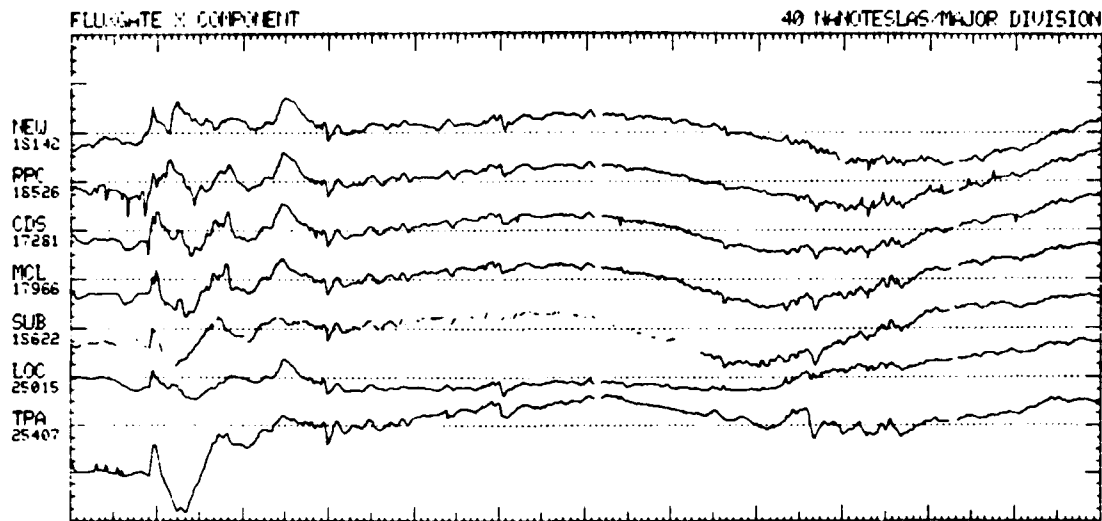
FLIGHT GATE 2 COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54765
PPC
54912
CDS
55604
MCL
54907
SUB
53446
LOC
42957
TPA
42911



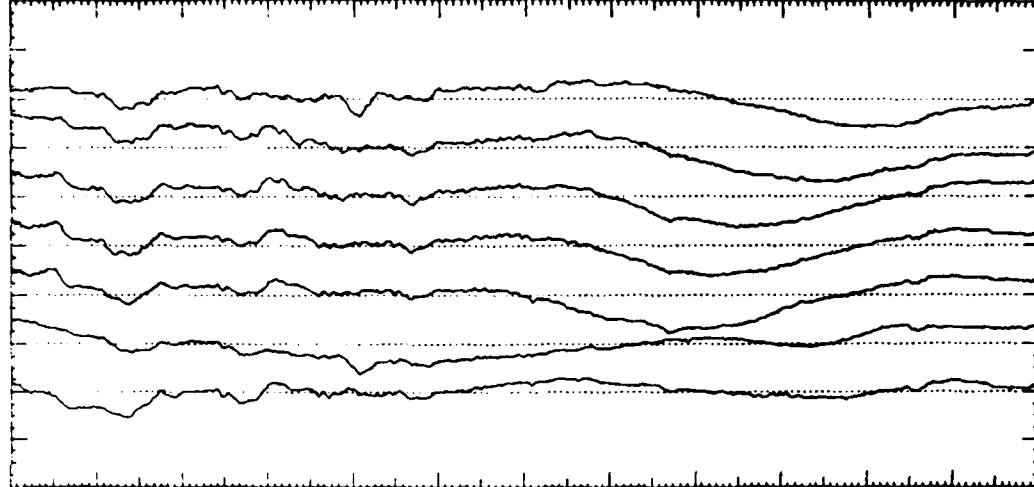
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UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

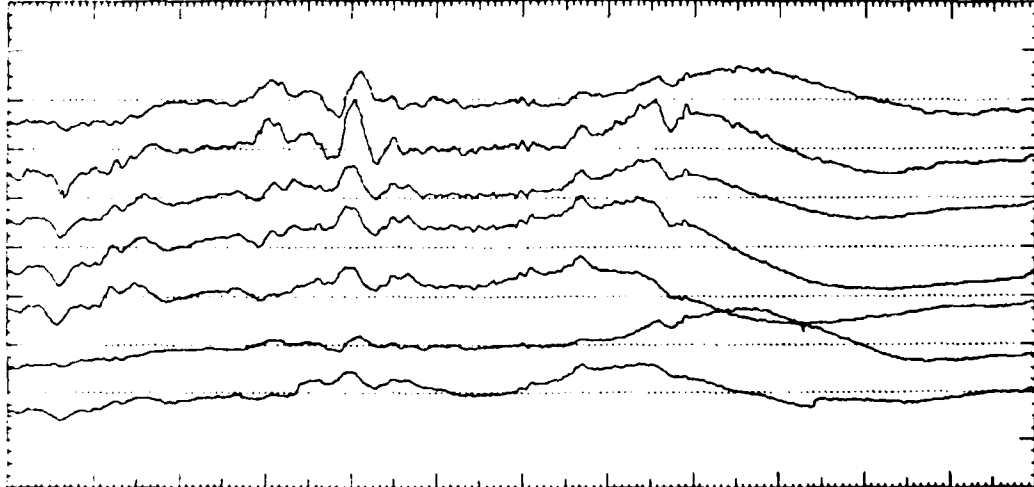
NEW
15146
PPC
15526
CDS
17291
MCL
17976
SUB
18628
LOC
25026
TPA
25418



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

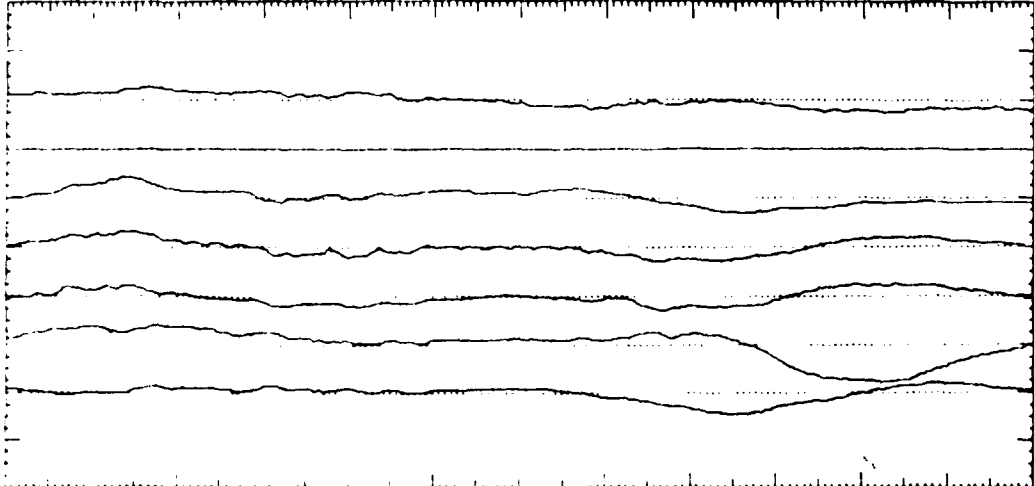
NEW
55
PPC
106
CDS
37
MCL
238
SUB
395
LOC
84
TPA
162



FLIGHTLINE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEW
54771
PPC
54910
CDS
55604
MCL
54915
SUB
53445
LOC
42967
TPA
42920

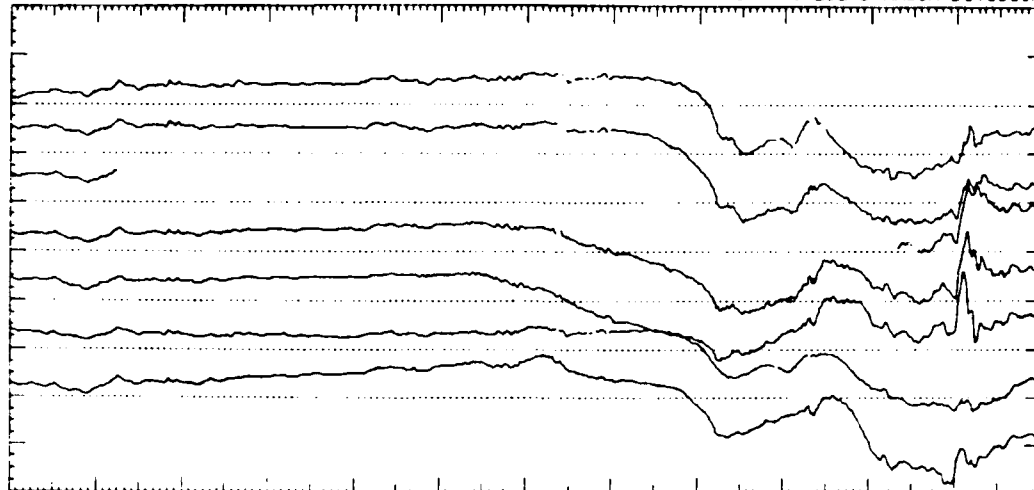


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09 1400 73 (DAY 72.213) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

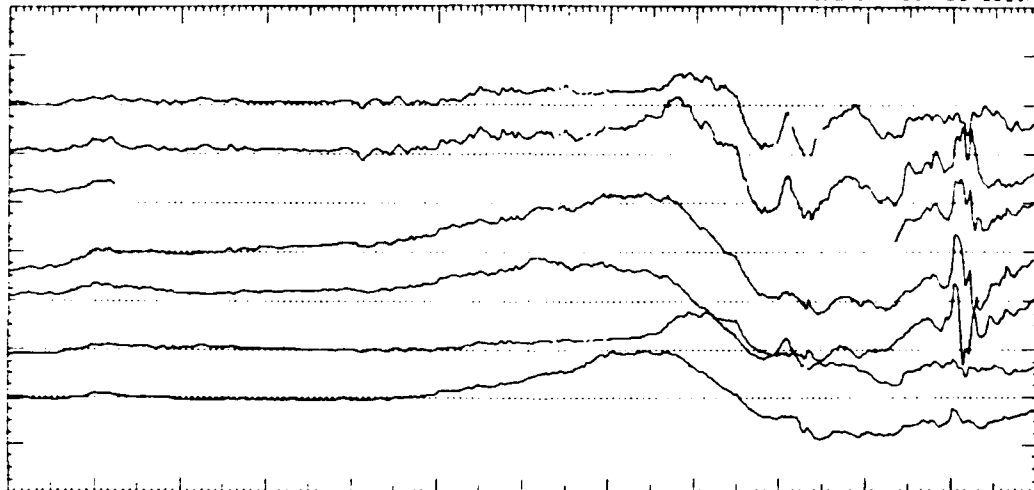
NEU 18140
PPC 18502
CDS 17282
MCL 17972
SUB 18623
LOC 25025
TPA 2541



FLIGHT Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

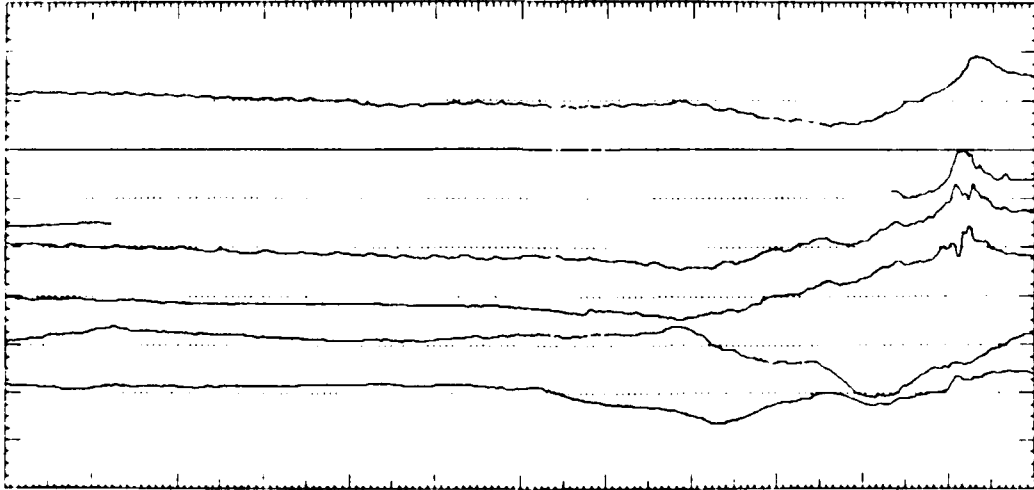
NEU 77
PPC 94
CDS 7
MCL 230
SUB 385
LOC 79
TPA -159



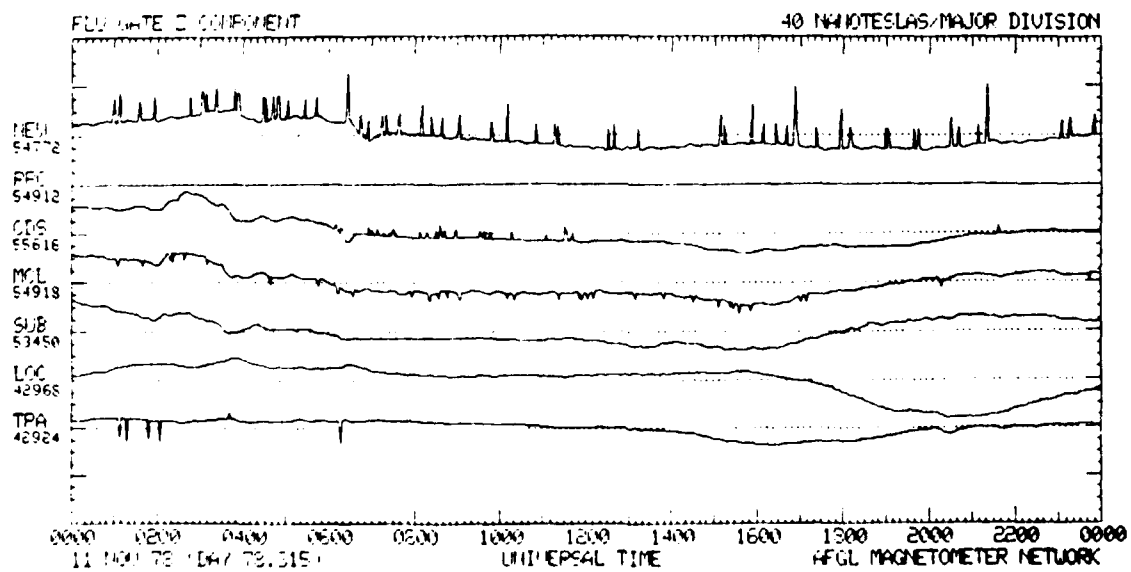
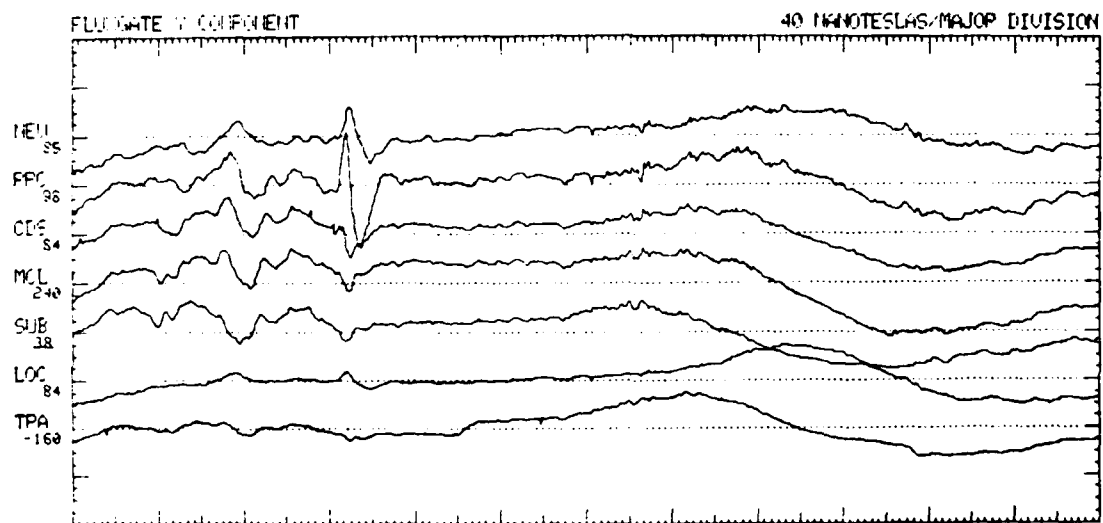
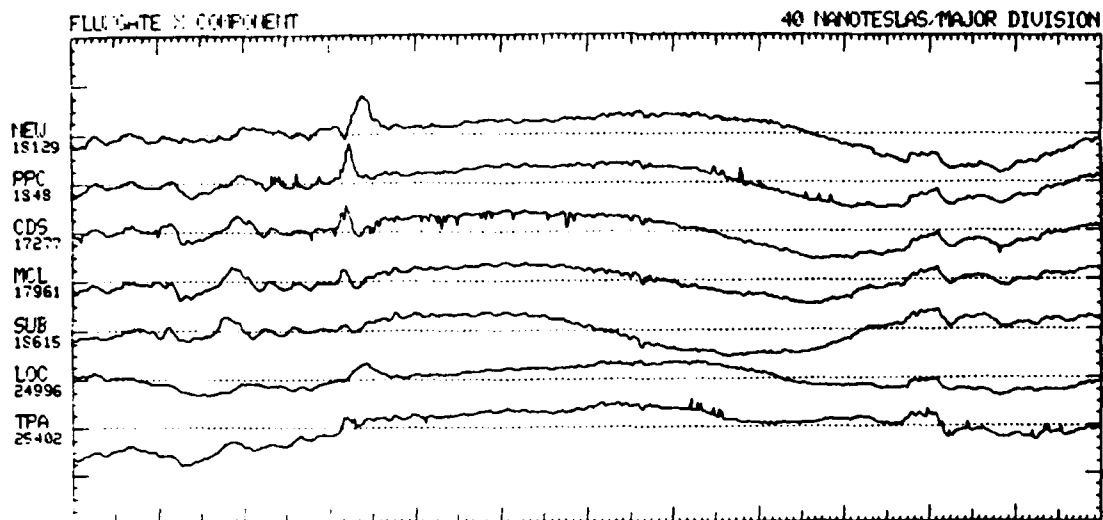
FLIGHT Z COMPONENT

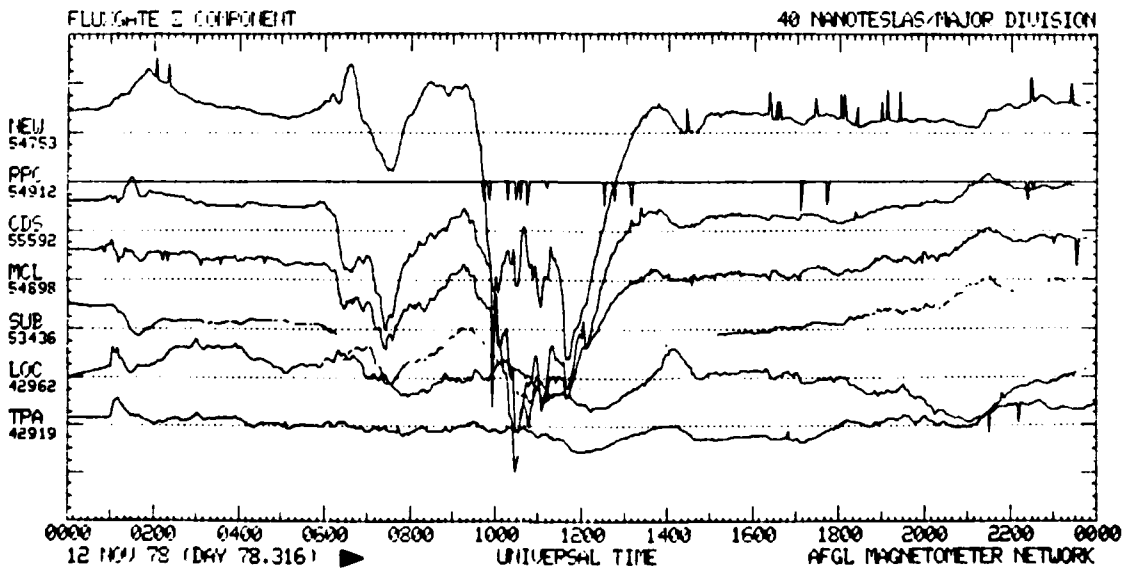
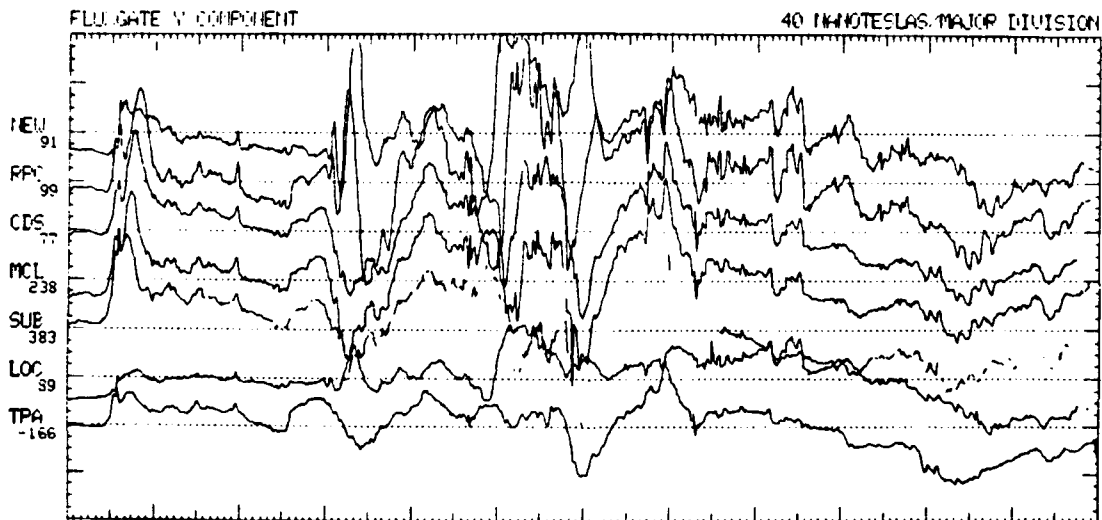
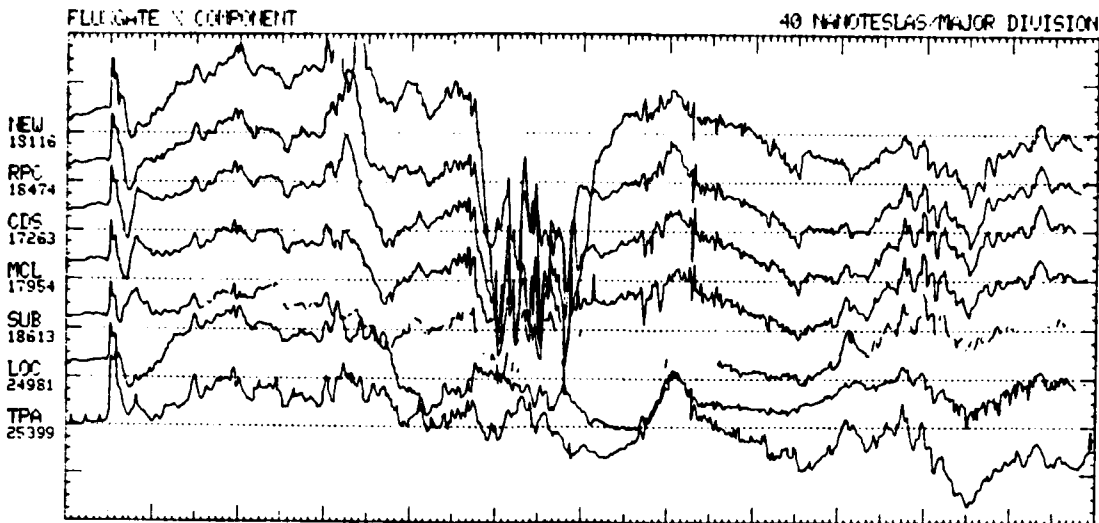
40 NANOTESLAS/MAJOR DIVISION

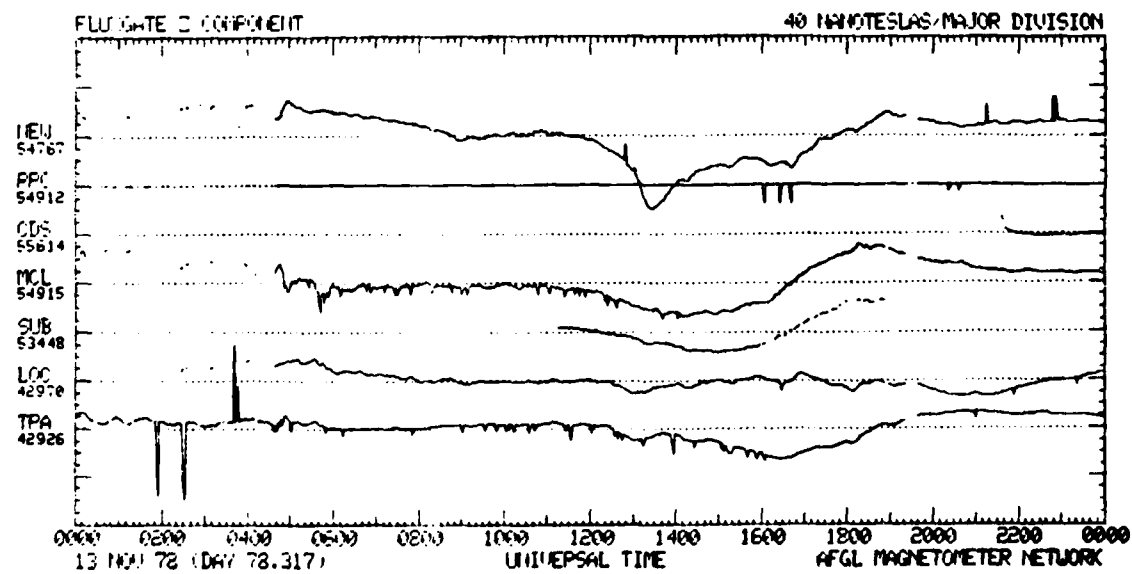
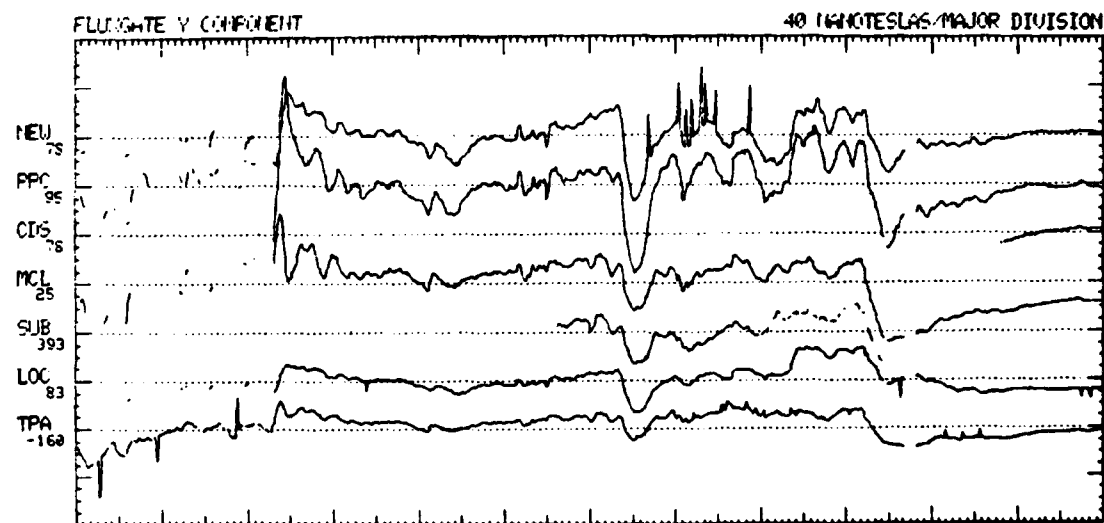
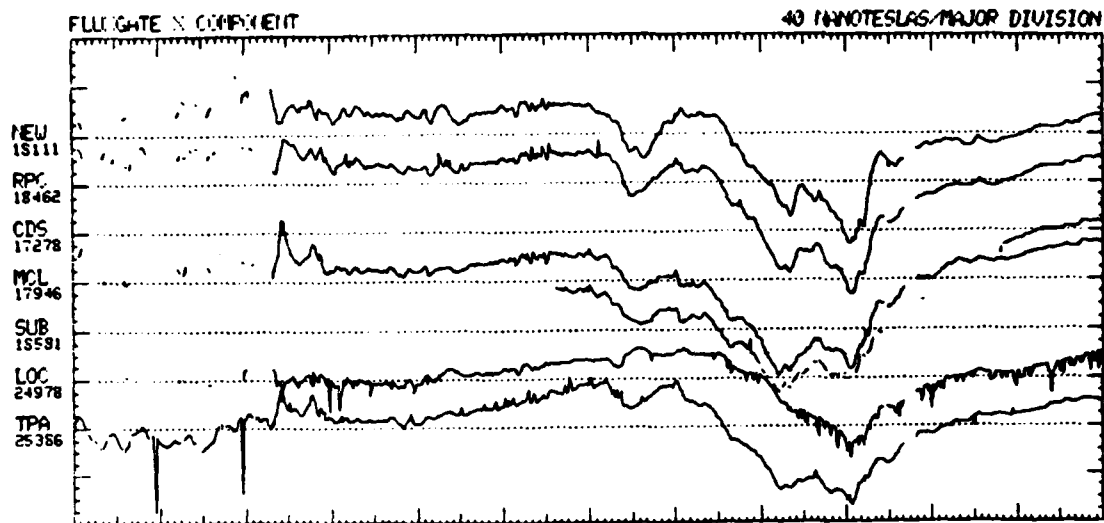
NEU 54759
PPC 5491
CDS 55623
MCL 54913
SUB 53444
LOC 42963
TPA 42915

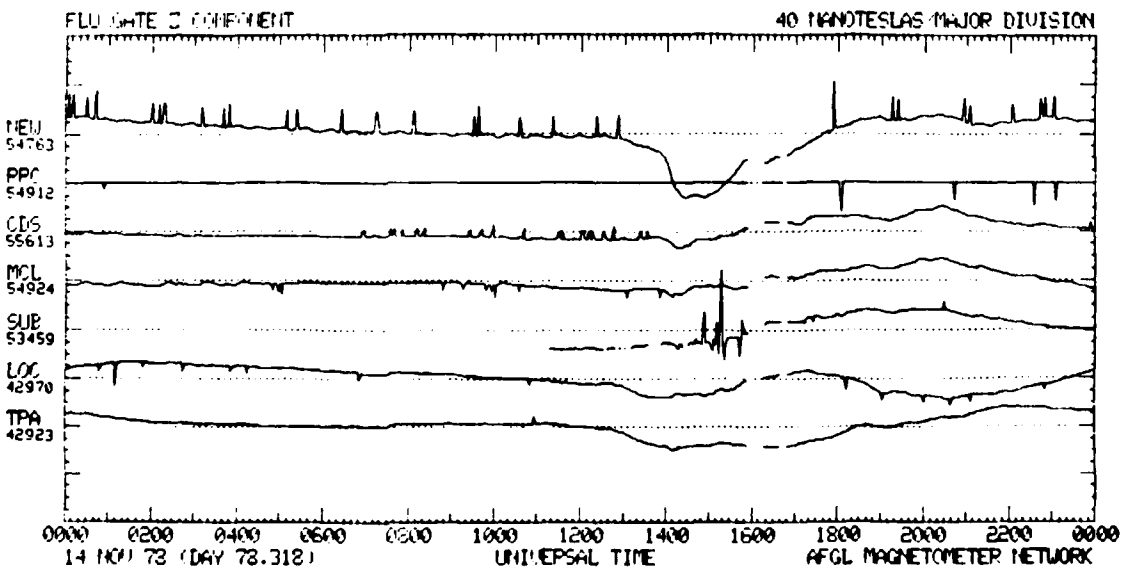
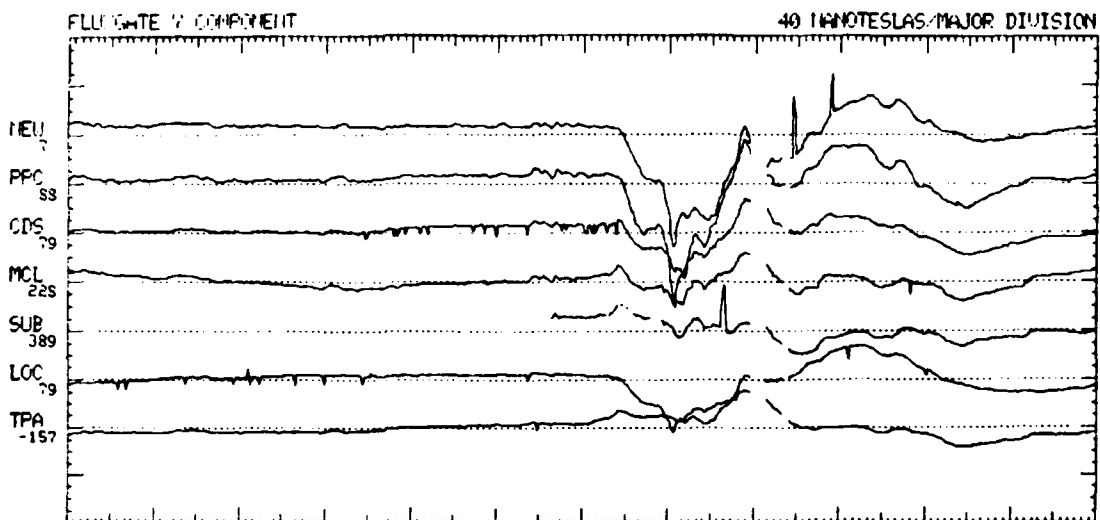
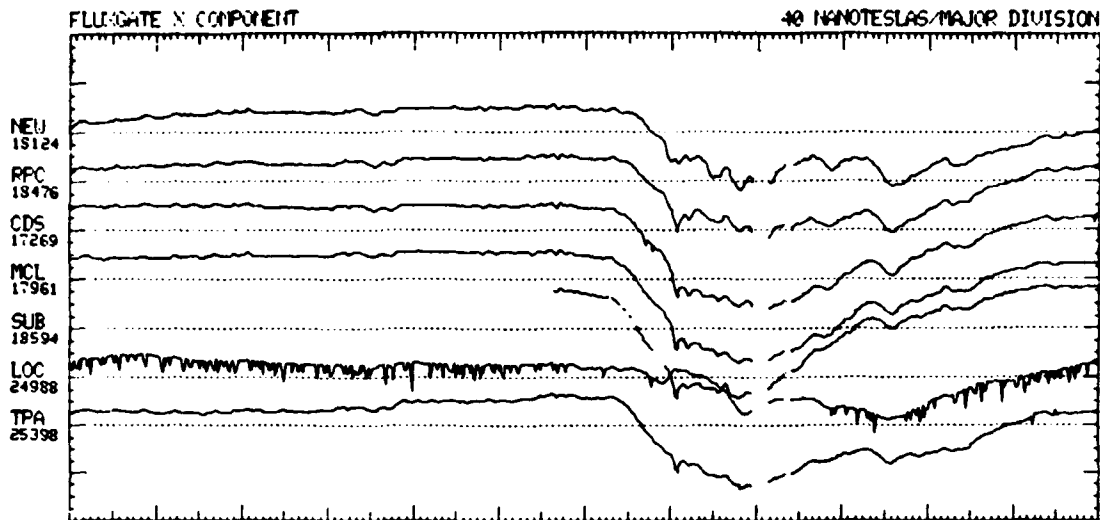


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10 NOV 78 (DAY 78.314) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



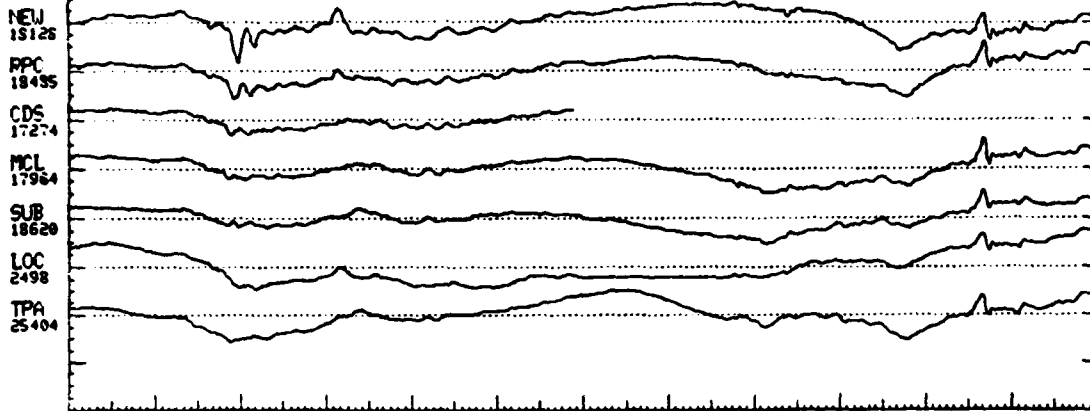






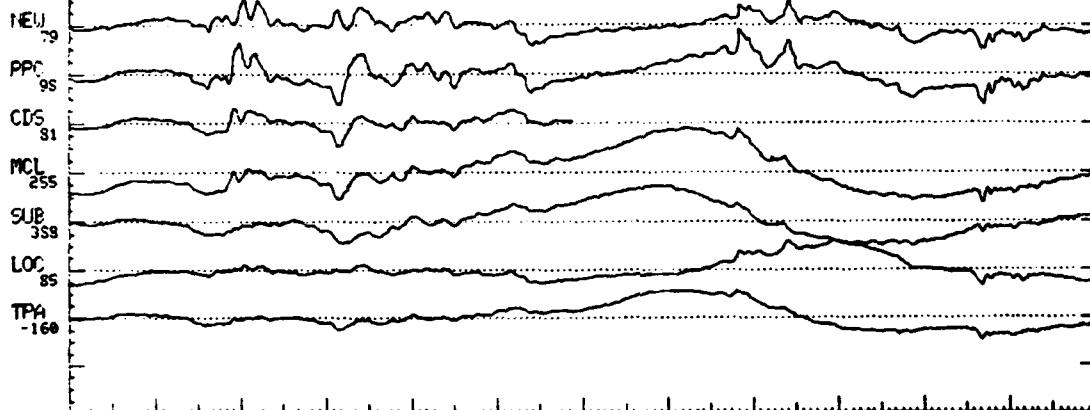
FLUGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



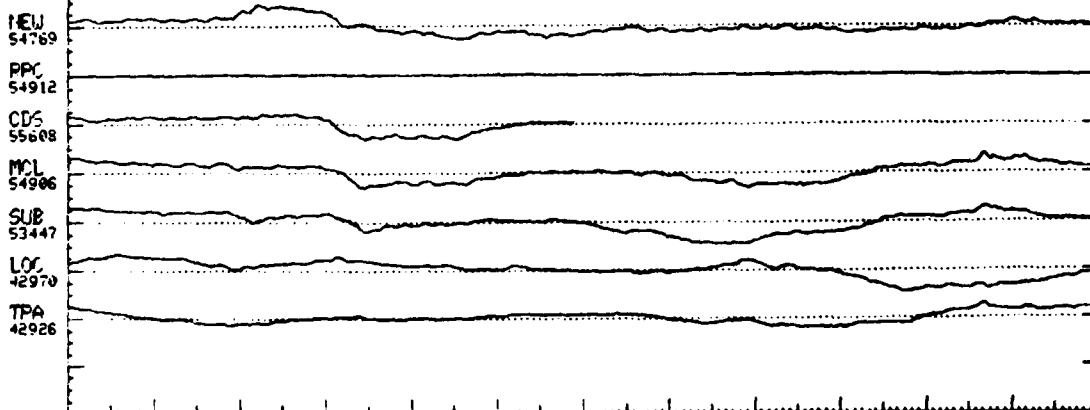
FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

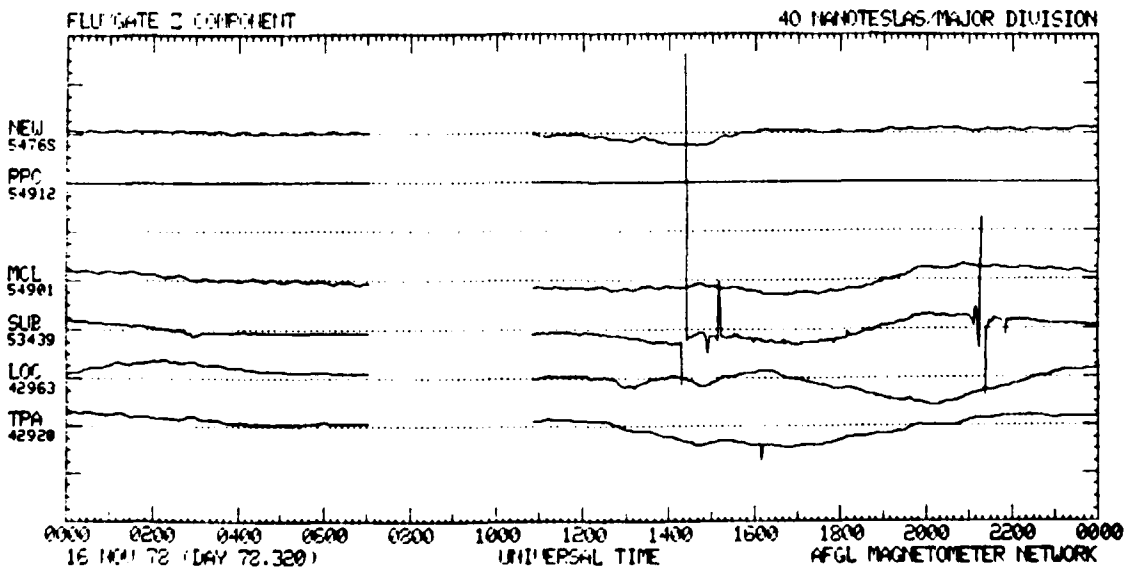
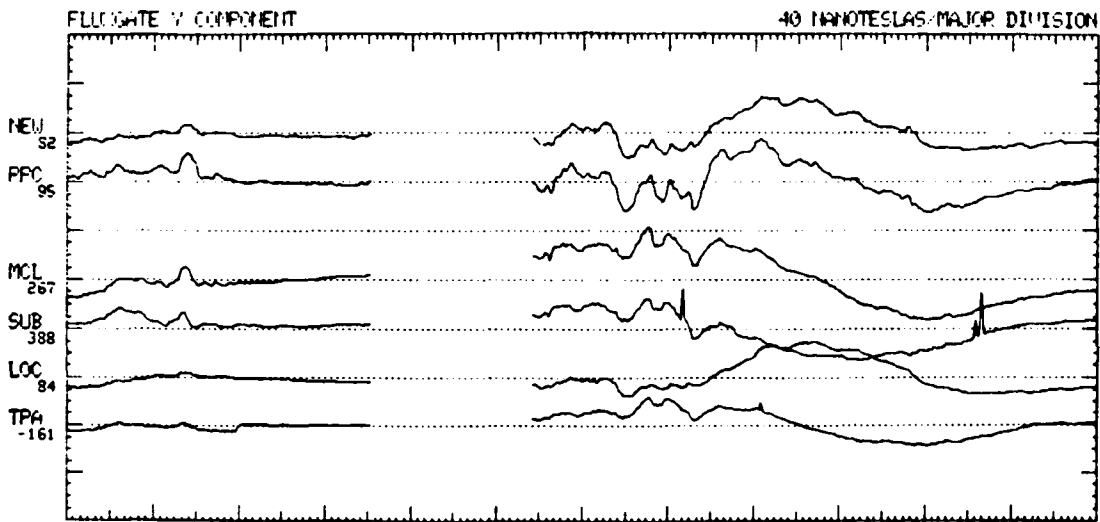
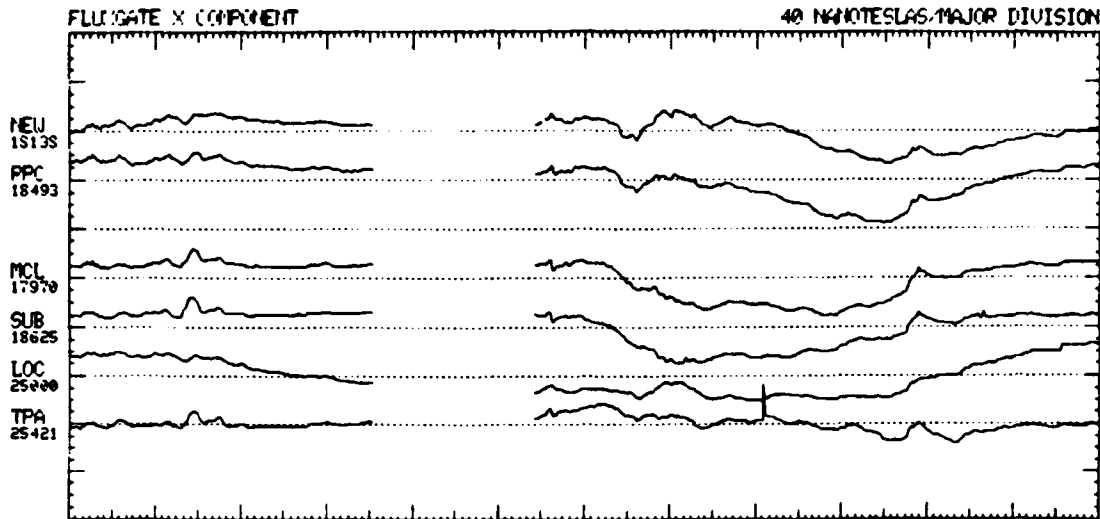


FLUGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION



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15 NOV 72 (DAY 78.319) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

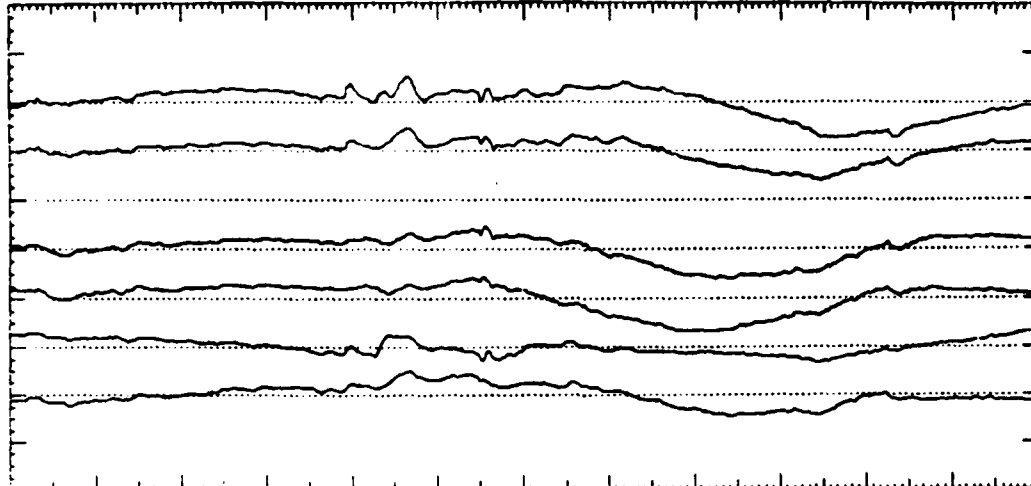


FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
18144
PPC
18505

MCL
17980
SUB
18627
LOC
25915
TPA
25425

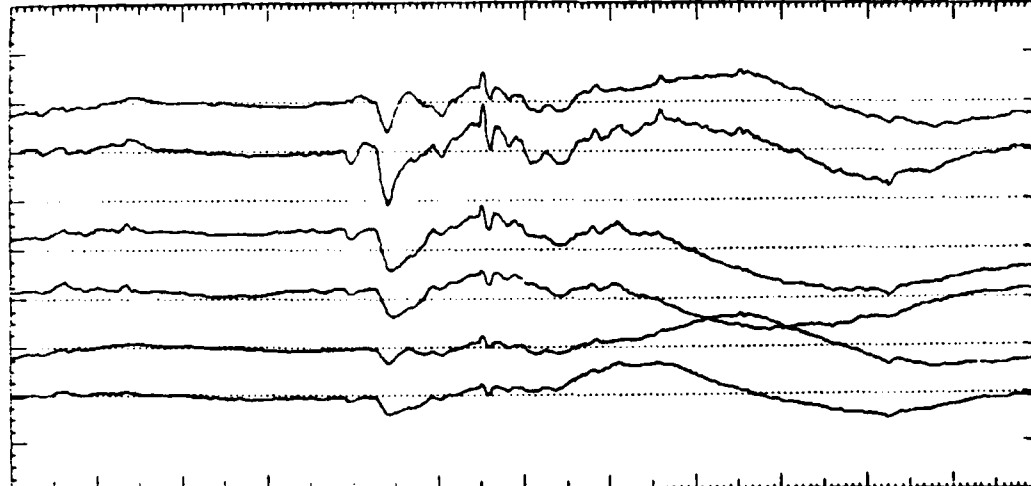


FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
84
PPC
97

MCL
259
SUB
389
LOC
94
TPA
-157

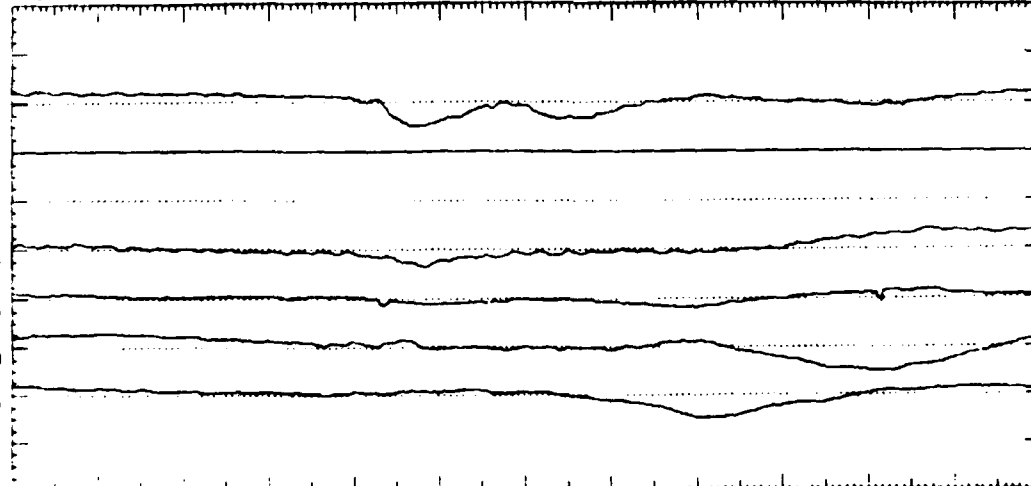


FLIGHTLINE Z COMPONENT

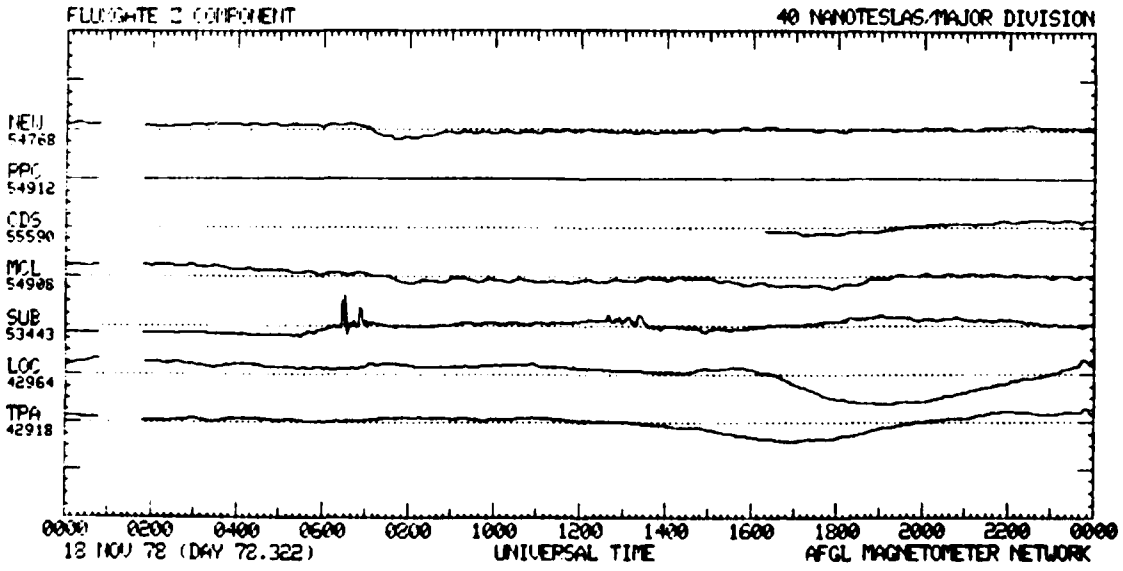
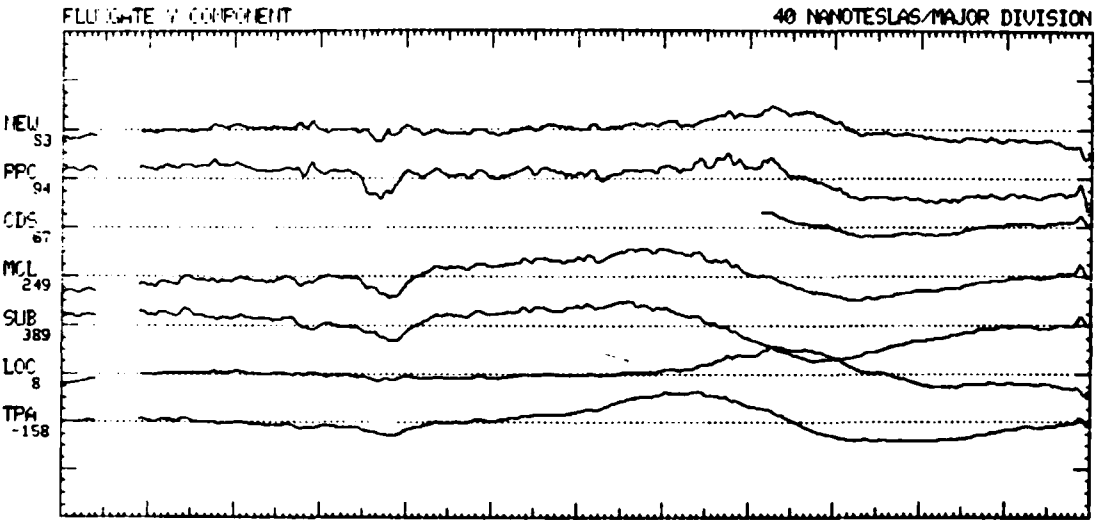
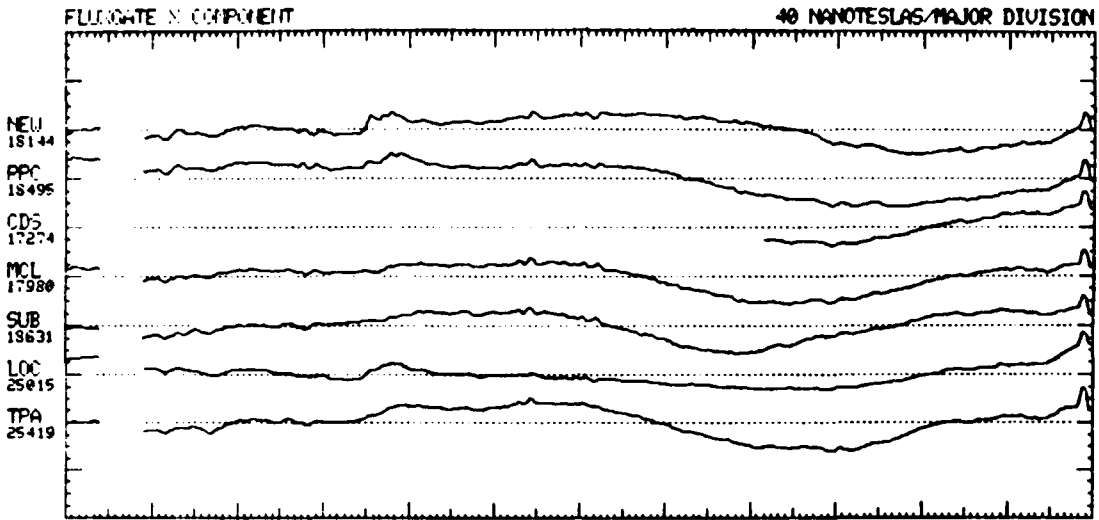
40 NANOTESLAS/MAJOR DIVISION

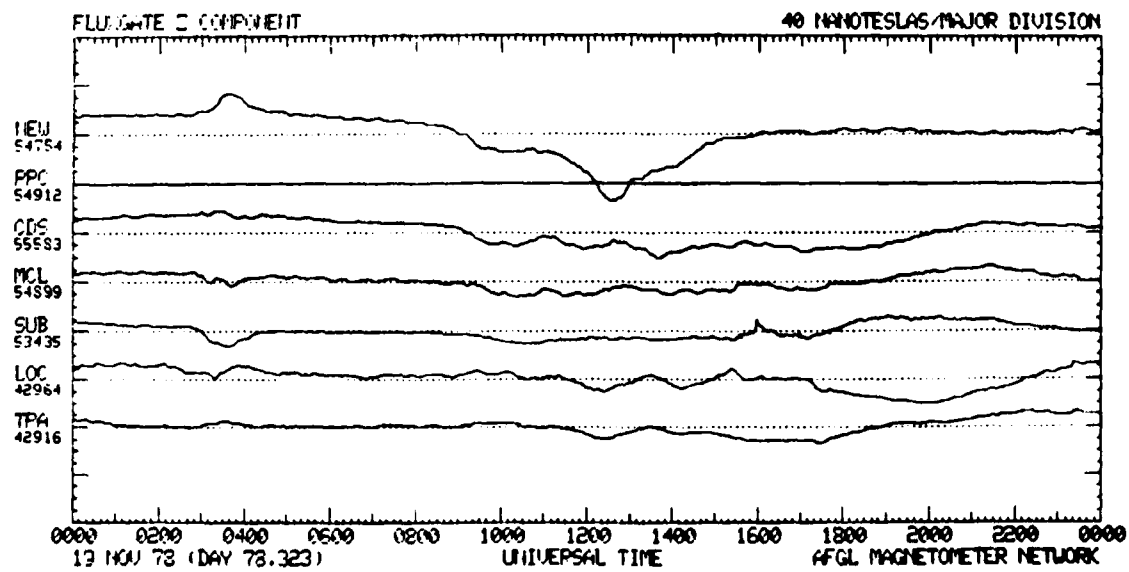
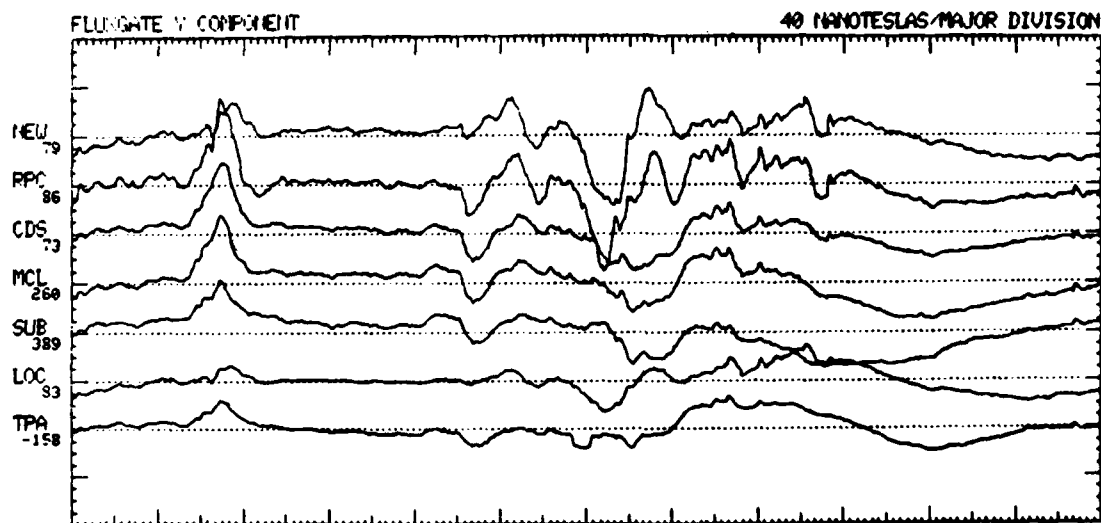
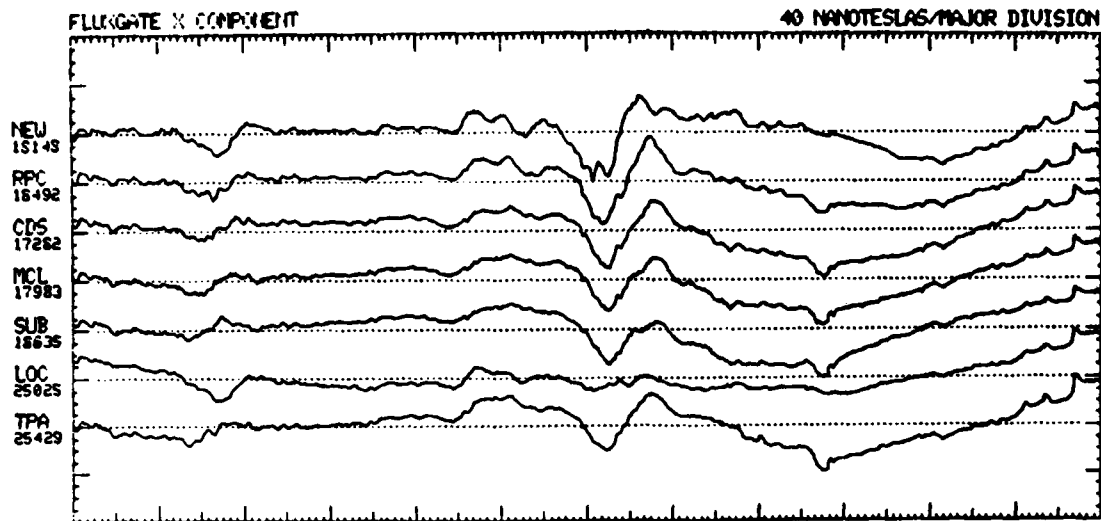
NEU
54765
PPC
54912

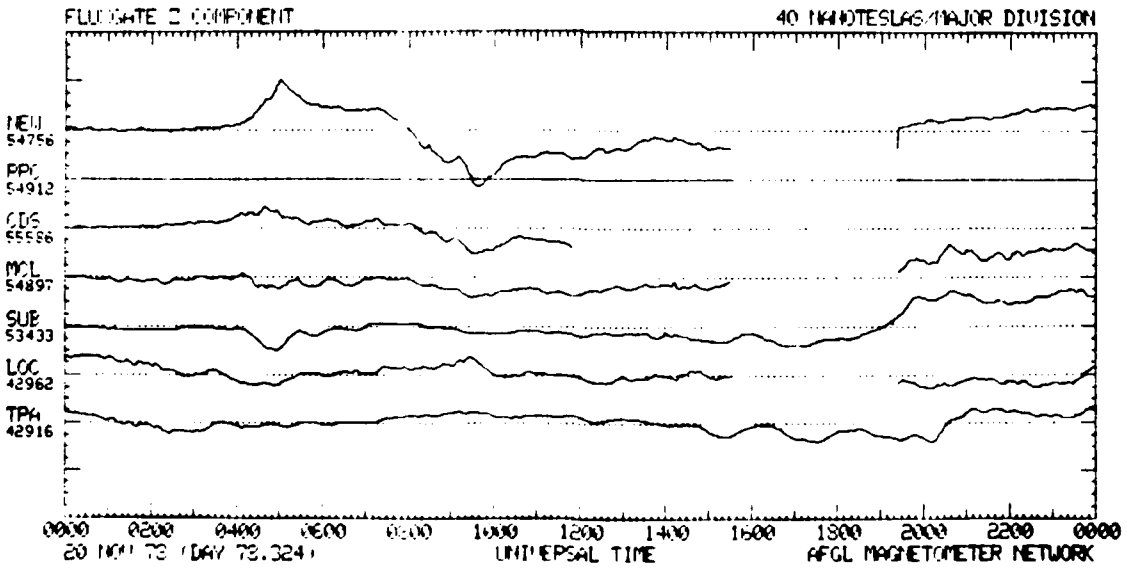
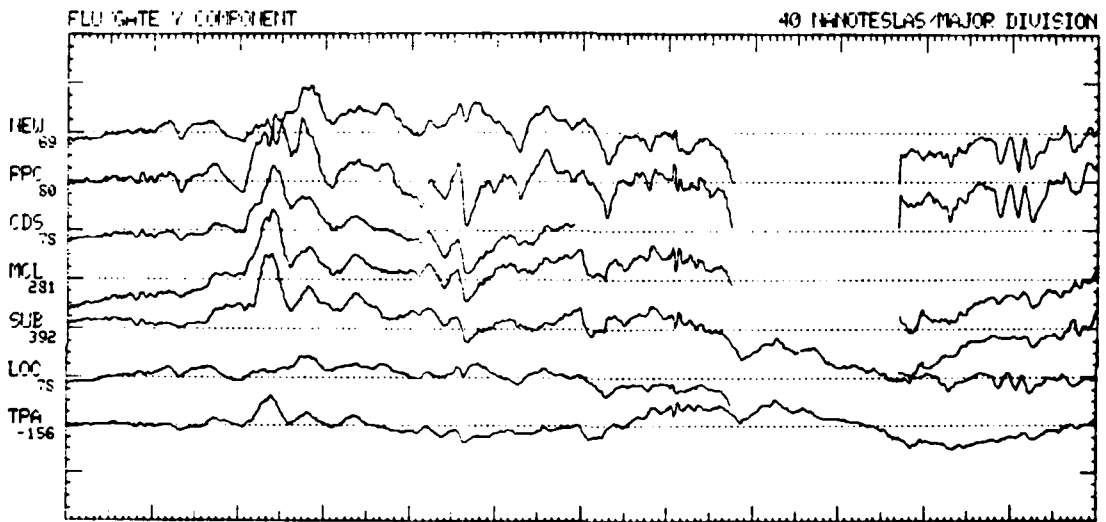
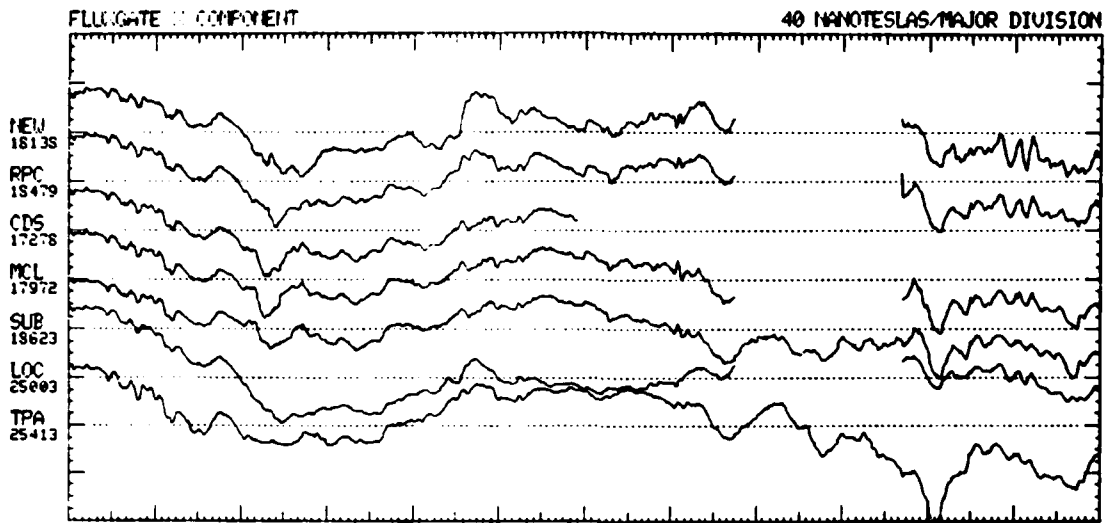
MCL
54903
SUB
53436
LOC
42963
TPA
42919

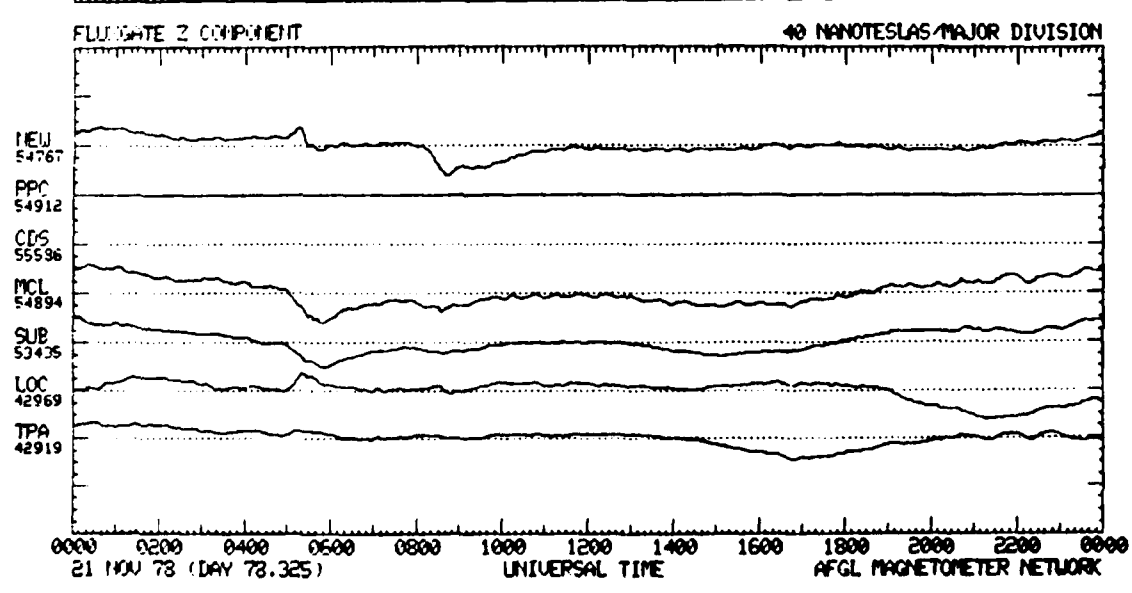
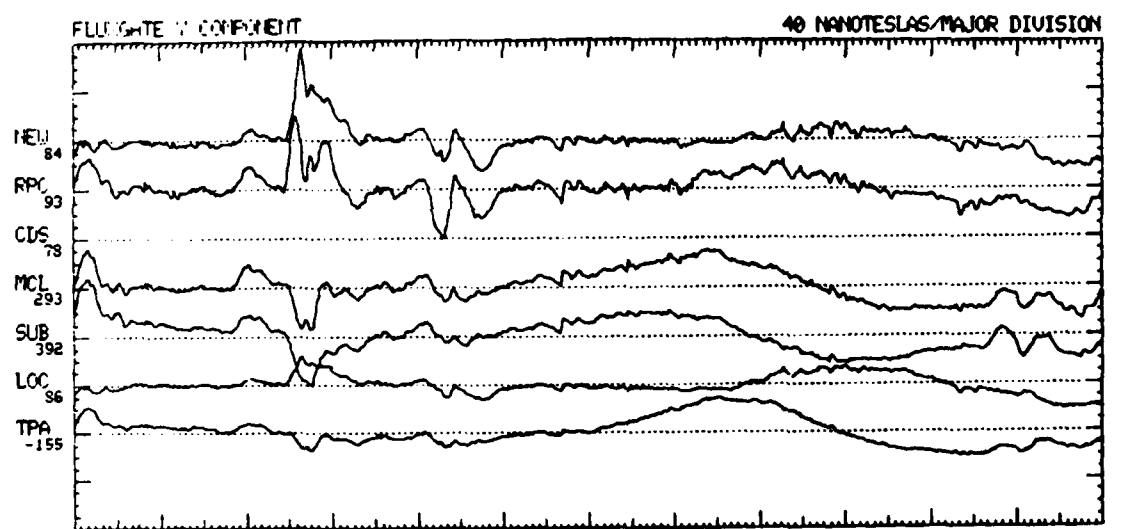
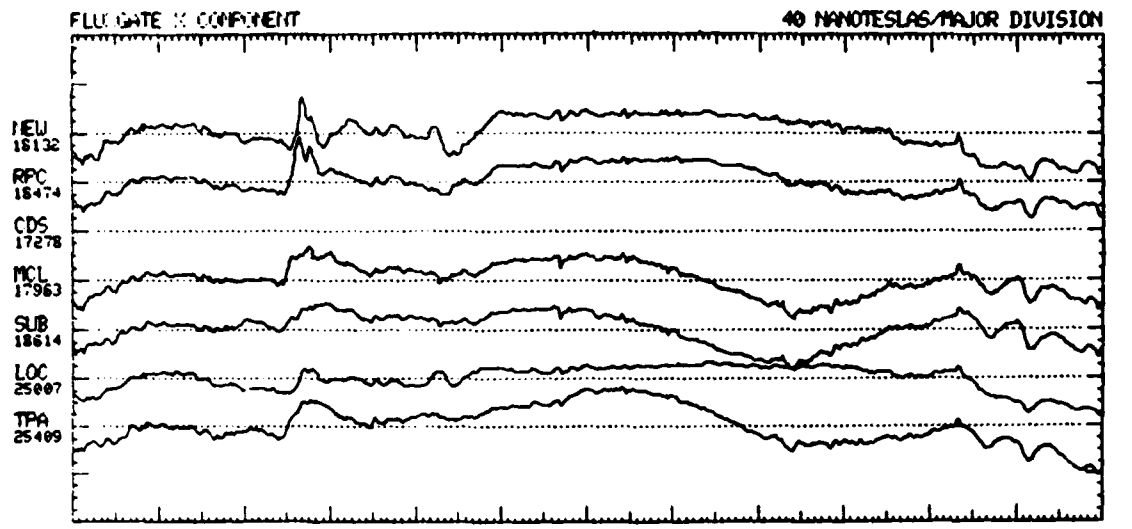


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17 NOV 78 (DAY 78.321) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK





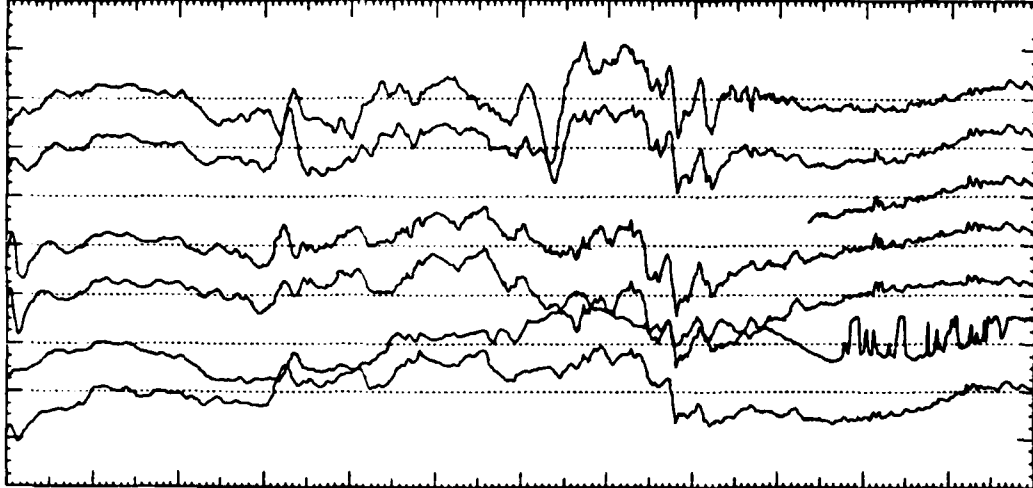




FLURGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

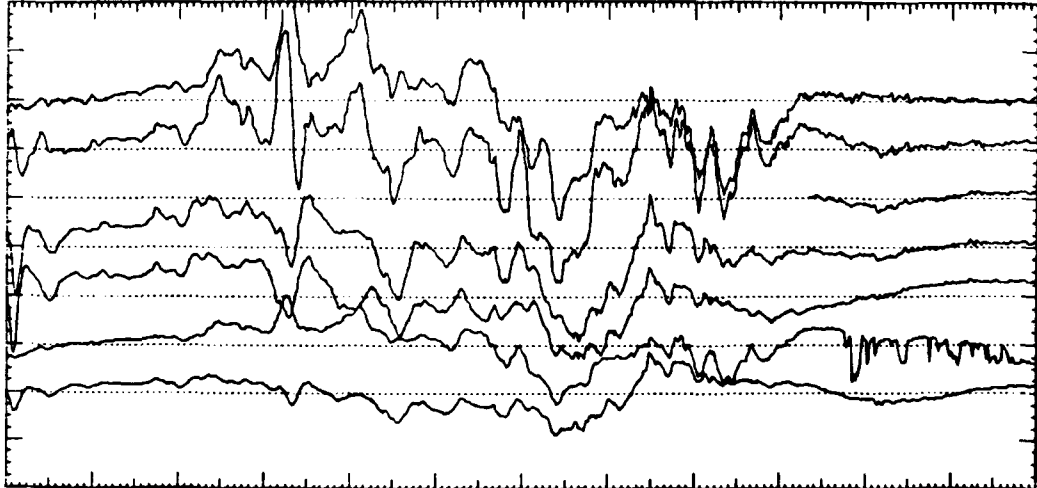
NEU 18122
RPC 18470
CDS 17256
MCL 17958
SUB 18607
LOC 25002
TPA 25408



FLURGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

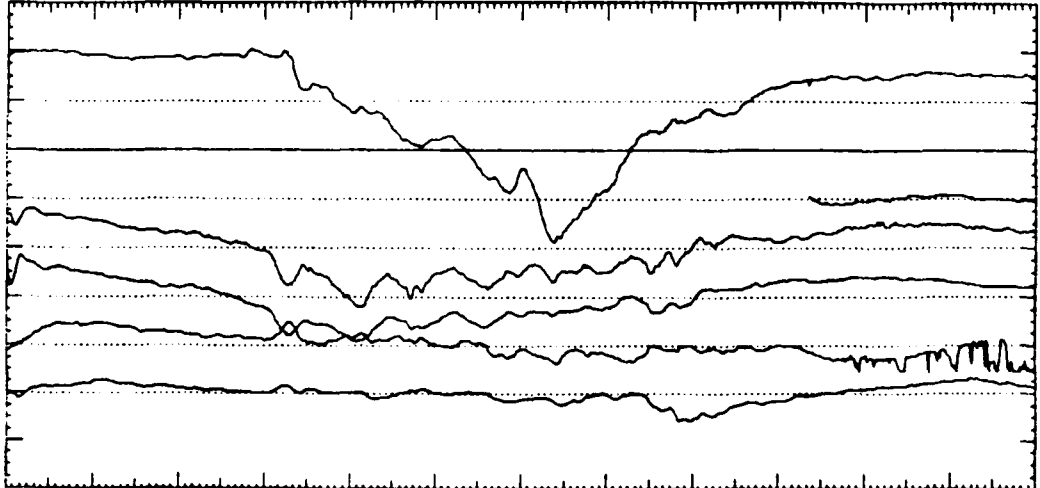
NEU 74
RPC 67
CDS 70
MCL 230
SUB 380
LOC 79
TPA -162



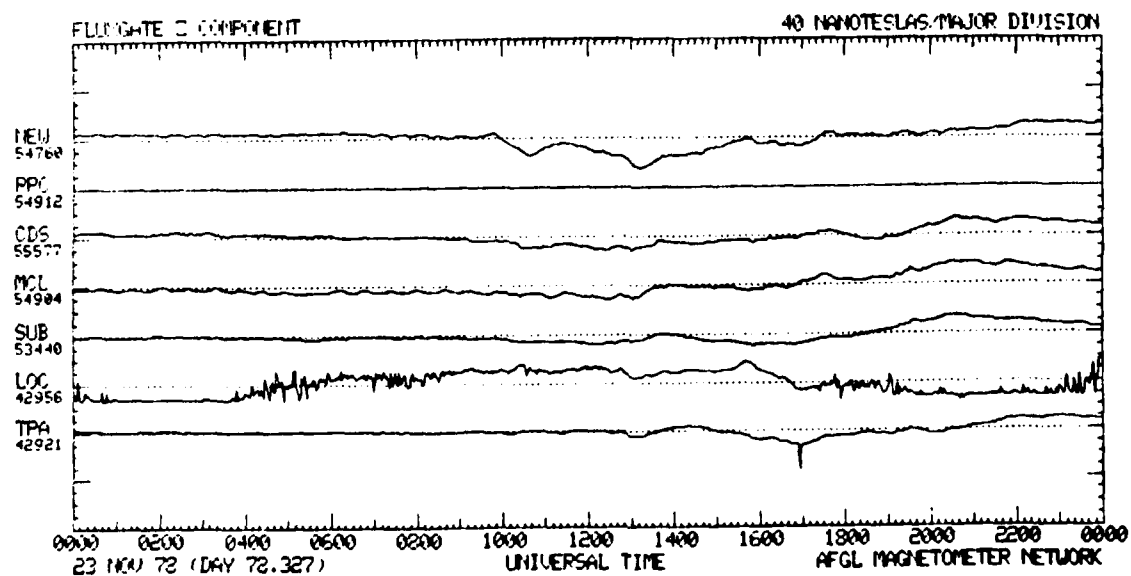
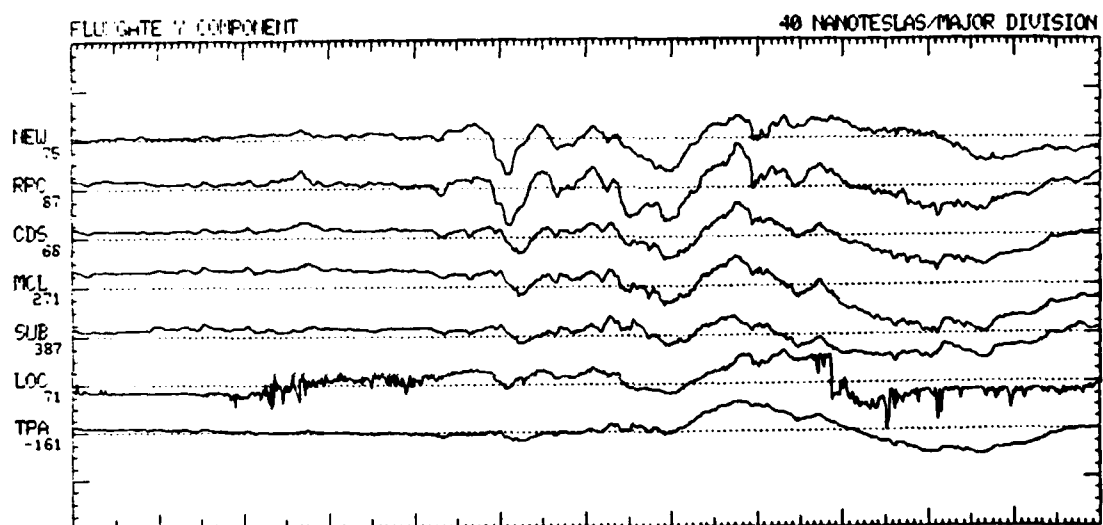
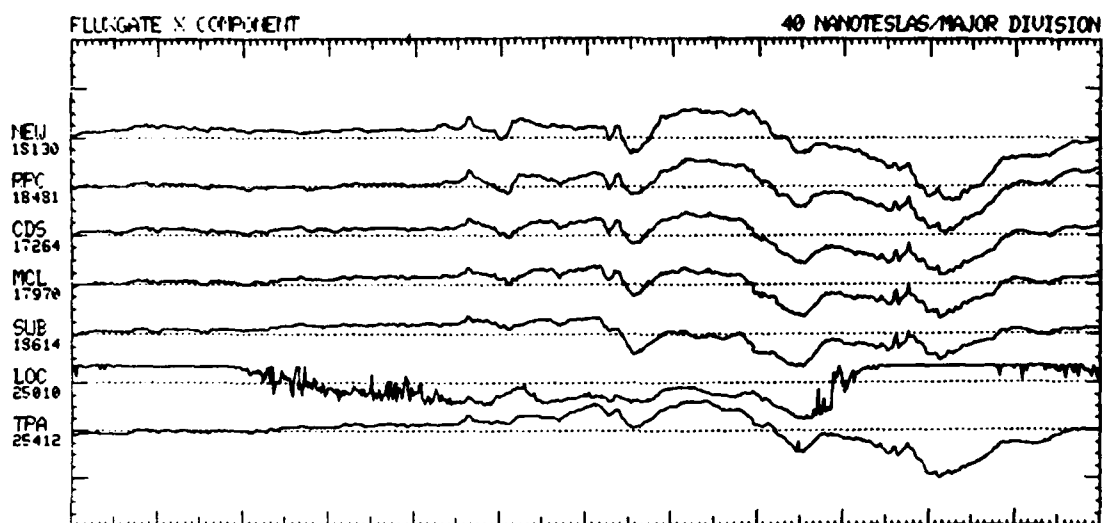
FLURGATE Z COMPONENT

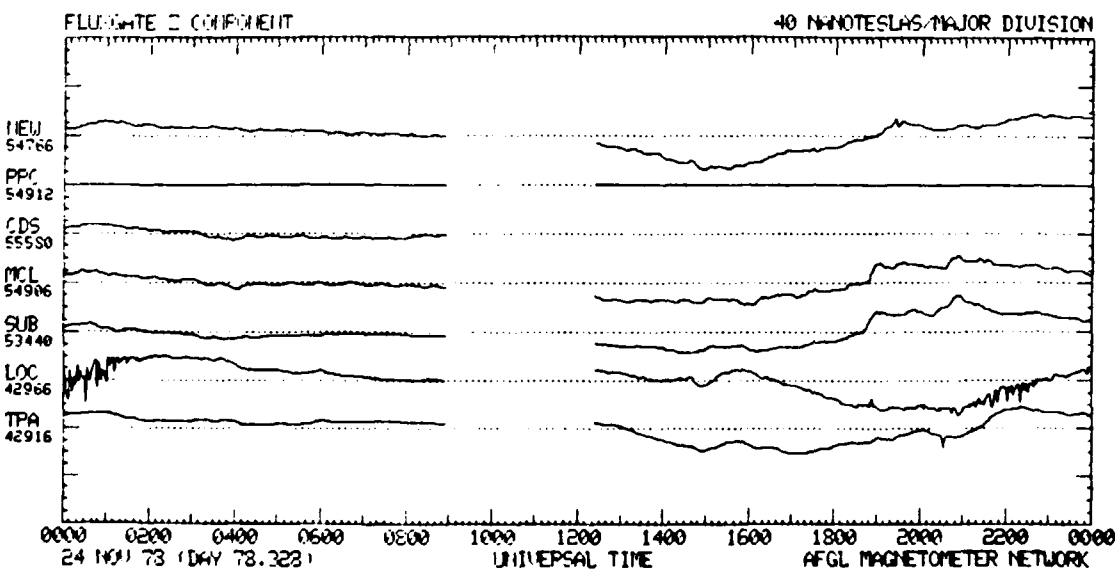
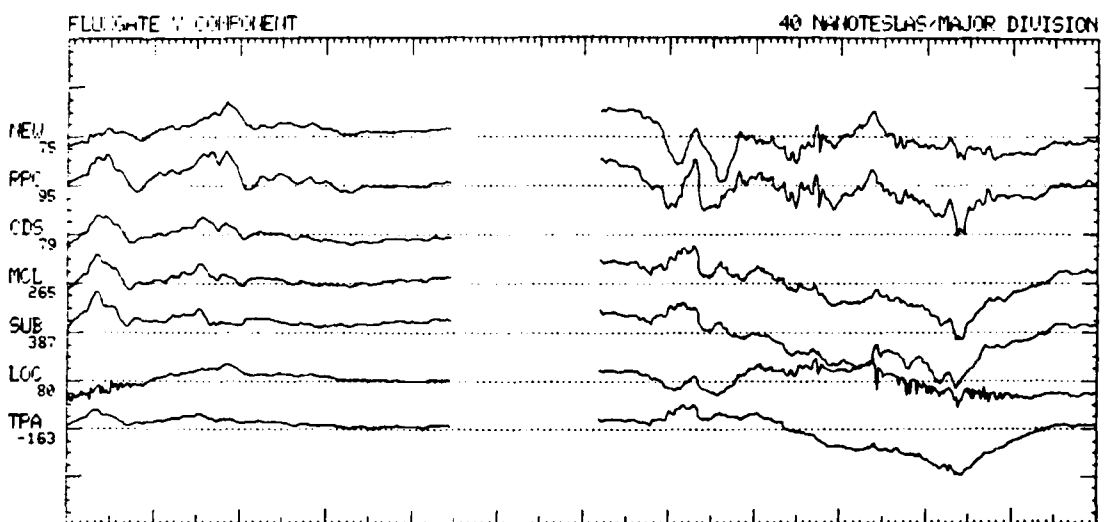
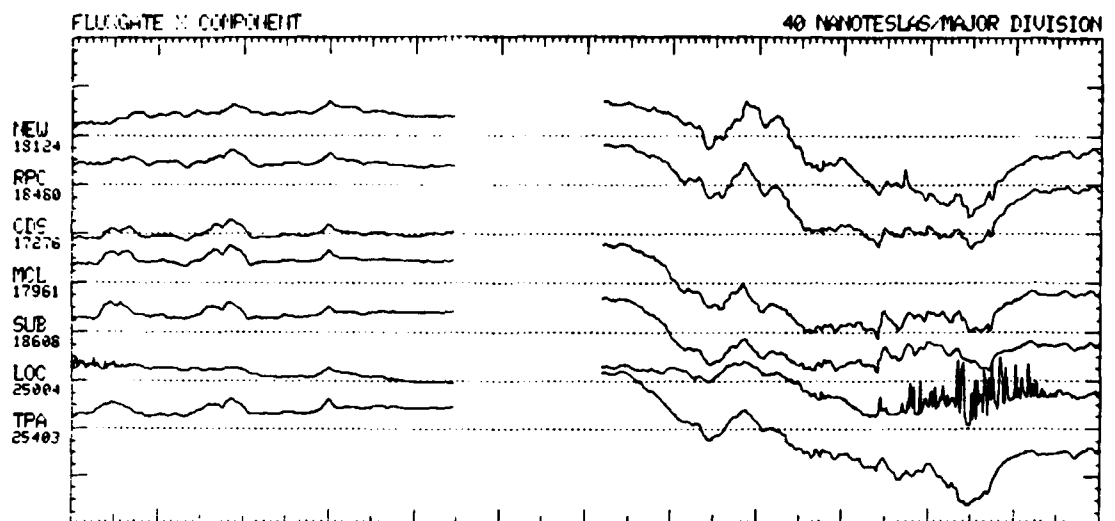
40 NANOTESLAS/MAJOR DIVISION

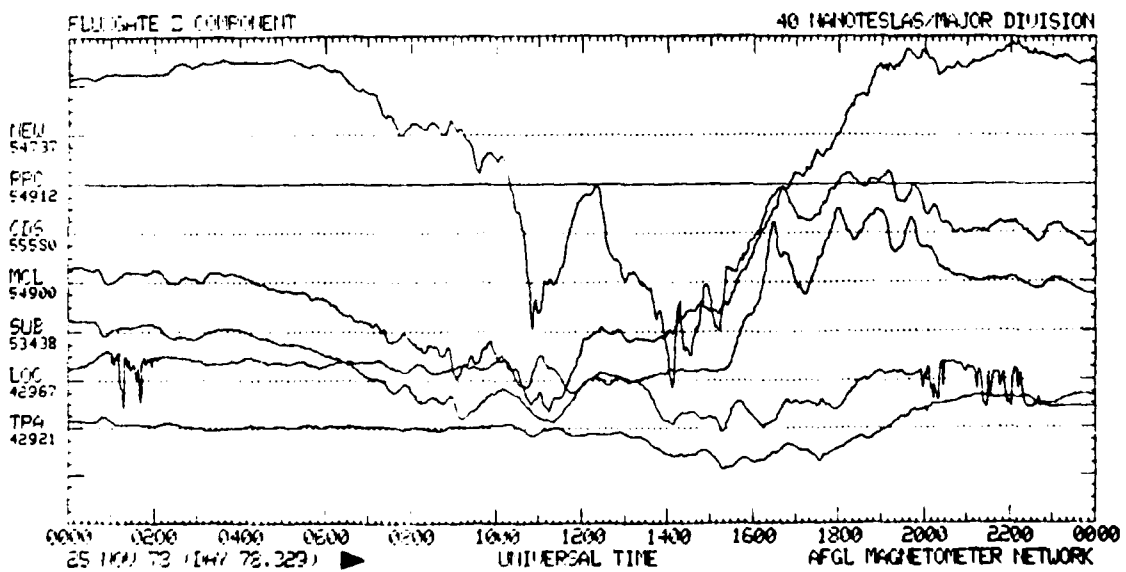
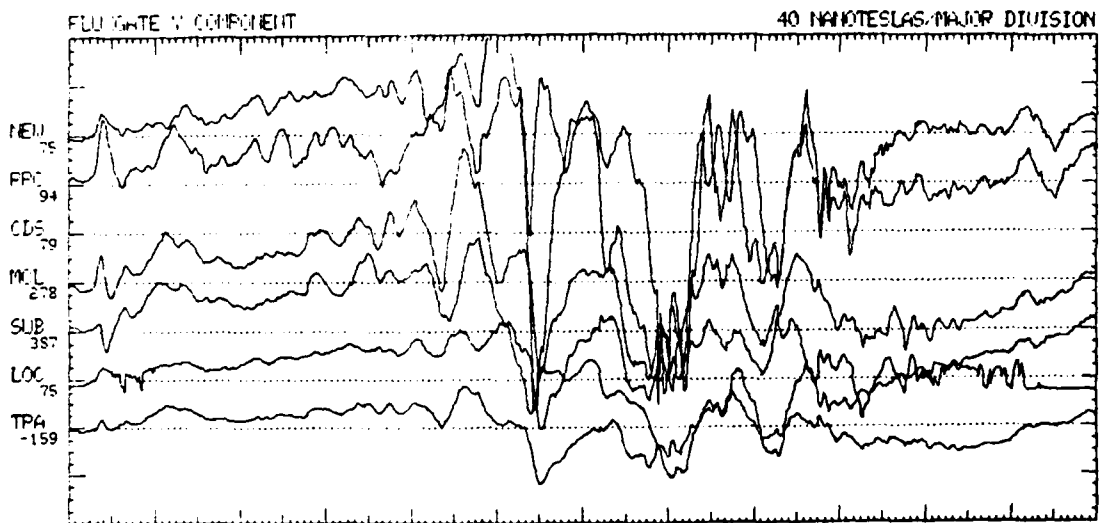
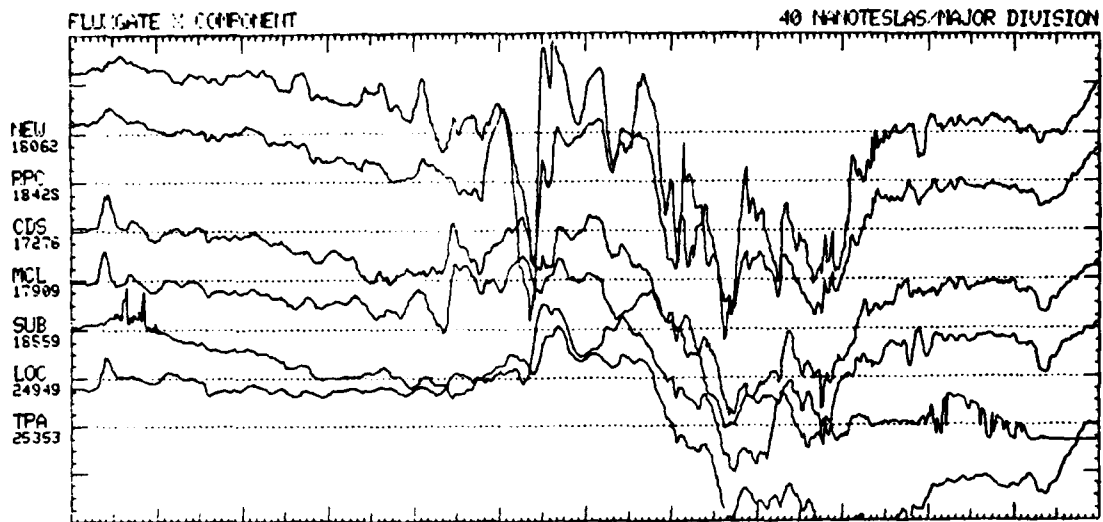
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RPC 54912
CDS 55582
MCL 54888
SUB 53431
LOC 42966
TPA 42919

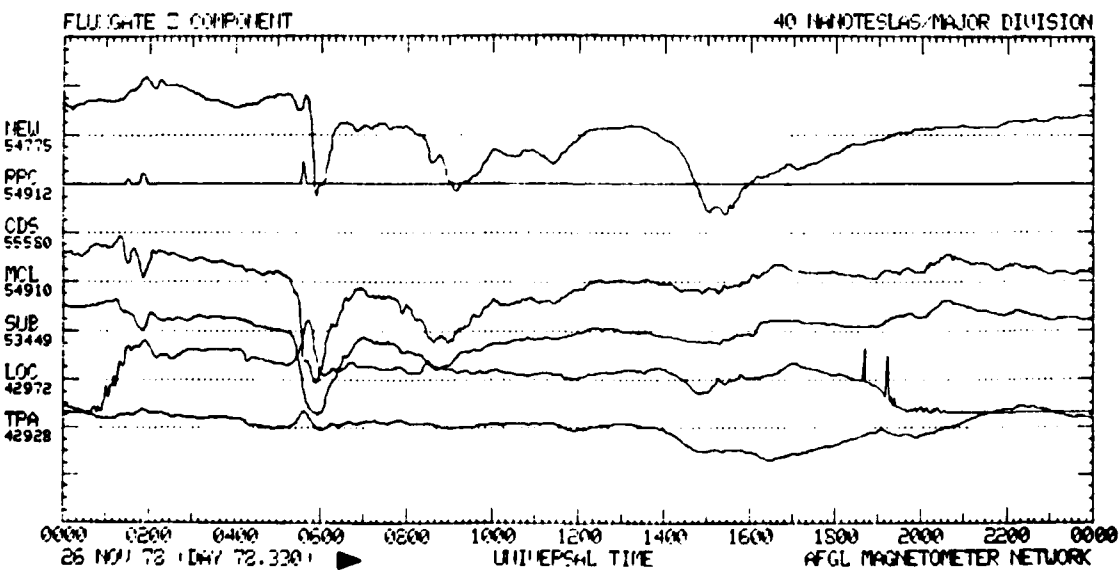
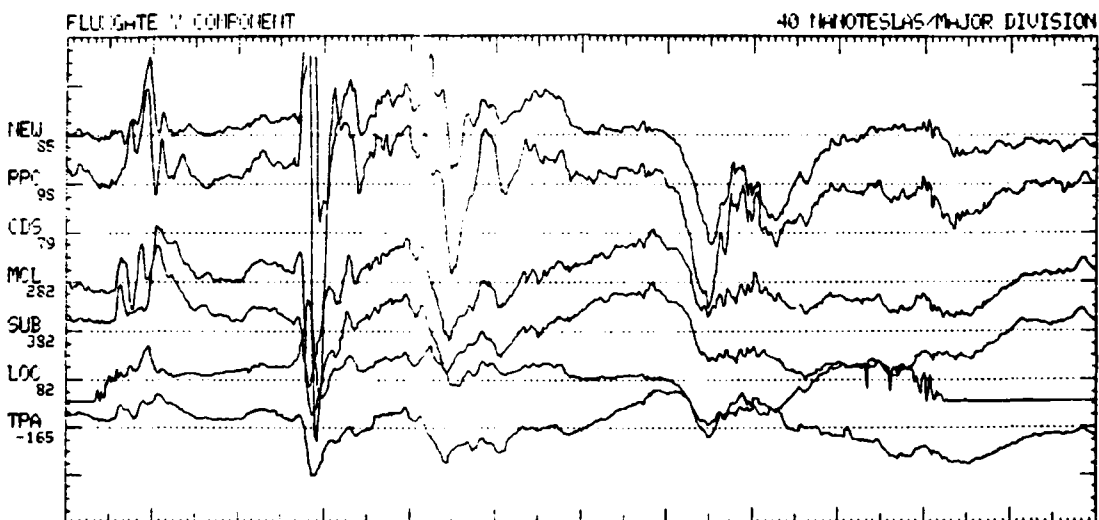
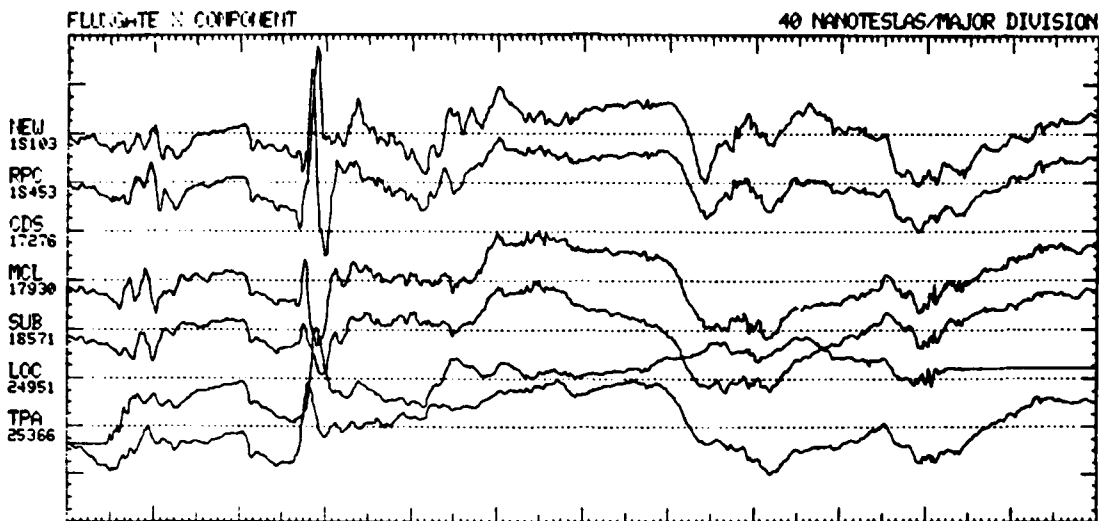


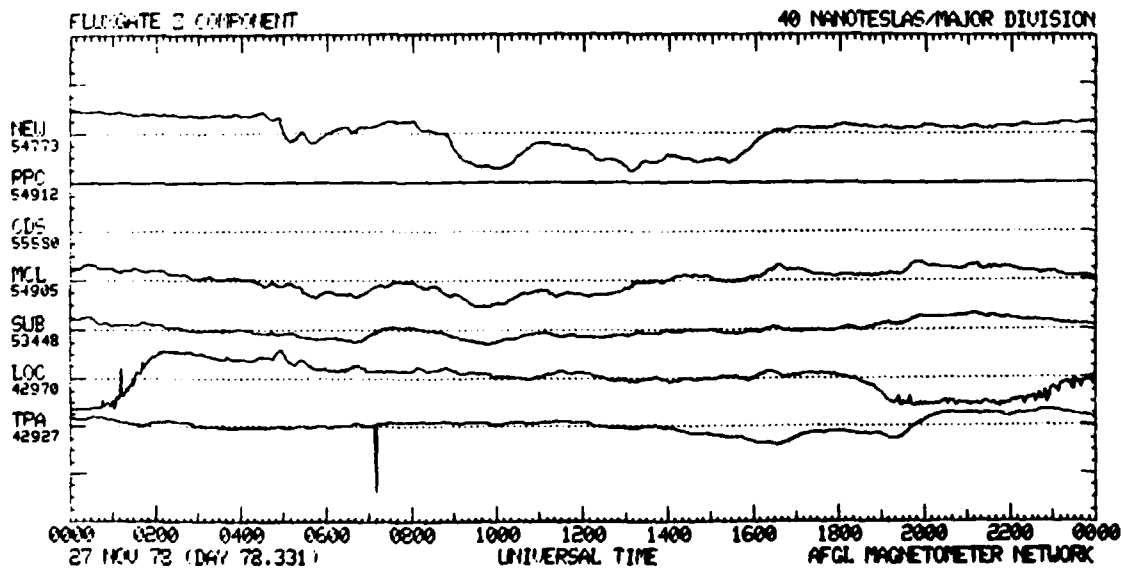
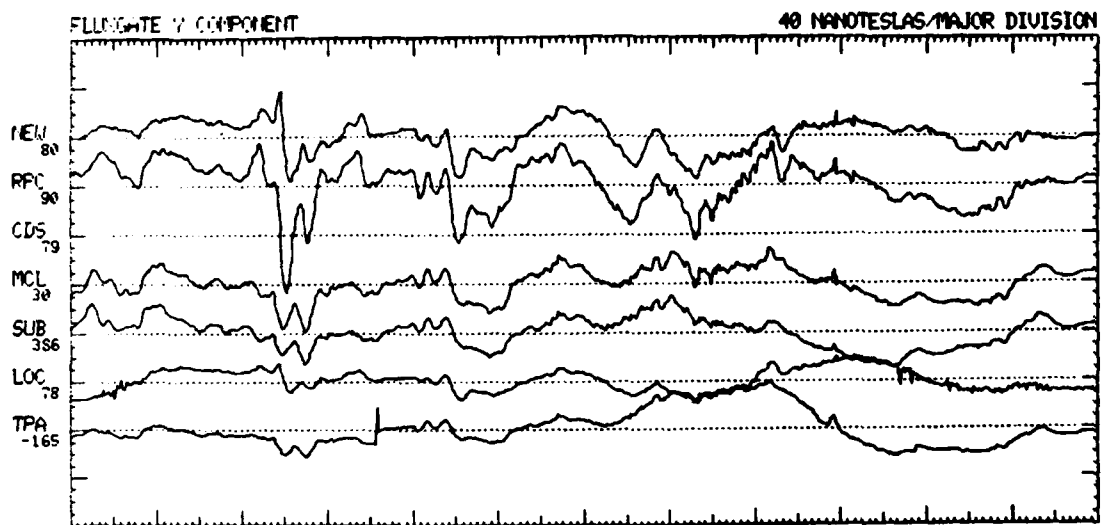
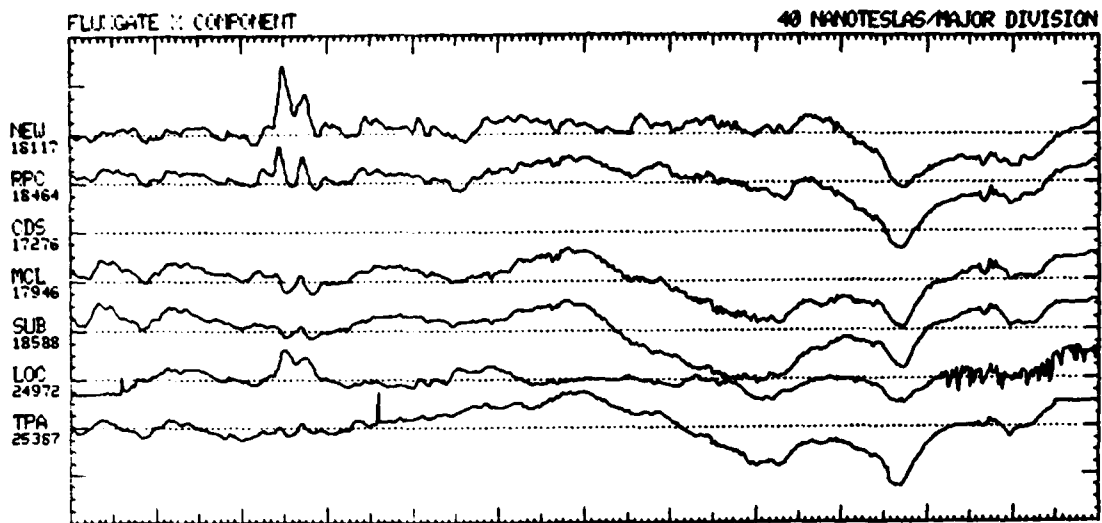
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22 NOV 78 (DAY 78.326) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK







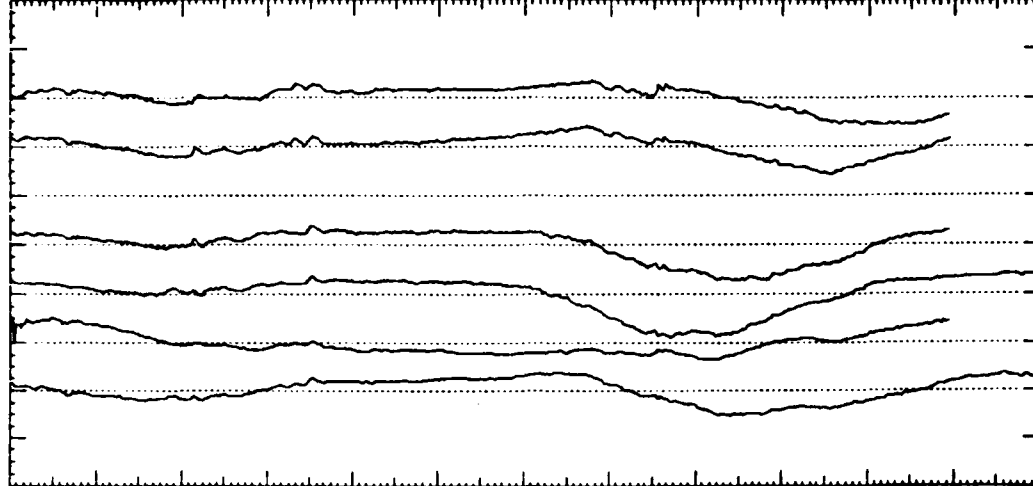




FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

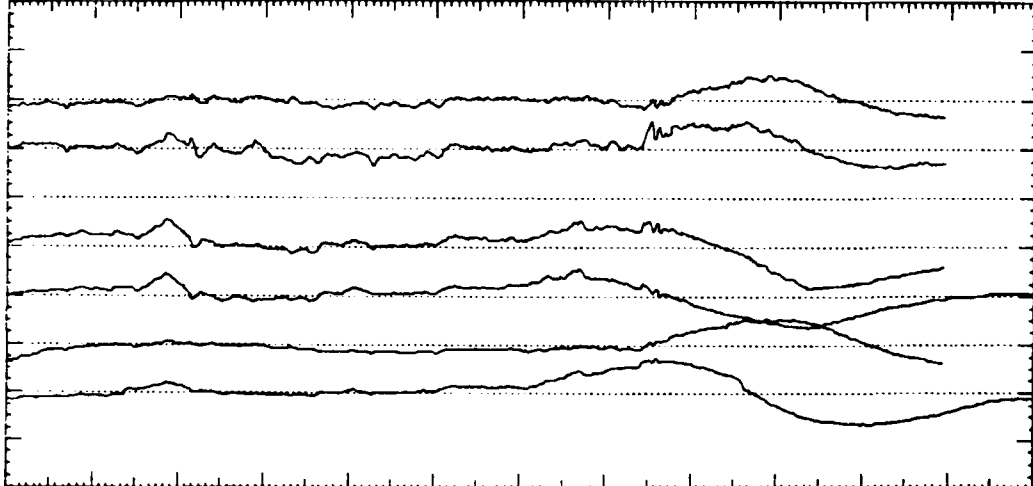
NEU
18128
RPC
13474
CDS
17276
MCL
17957
SUB
18609
LOC
24980
TPA
25401



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

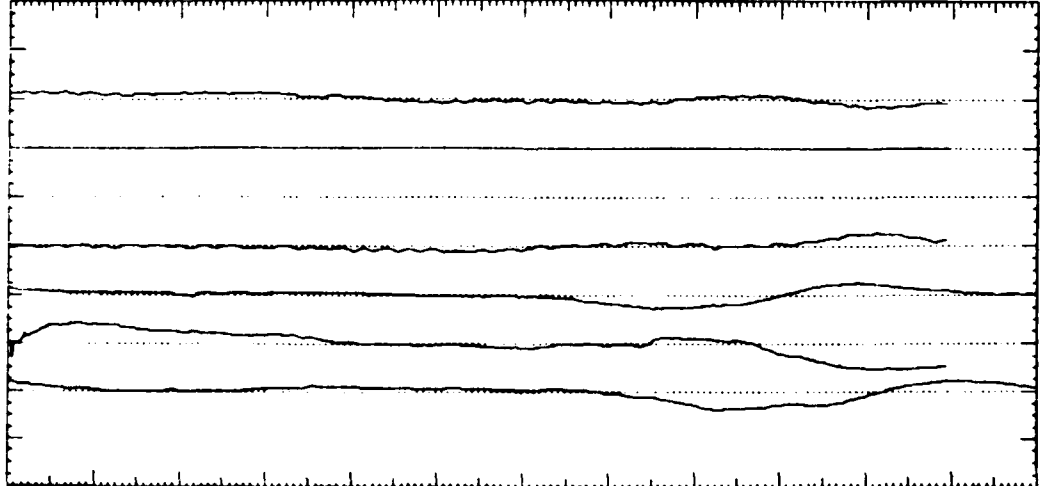
NEU
85
RPC
94
CDS
79
MCL
304
SUB
391
LOC
84
TPA
-163



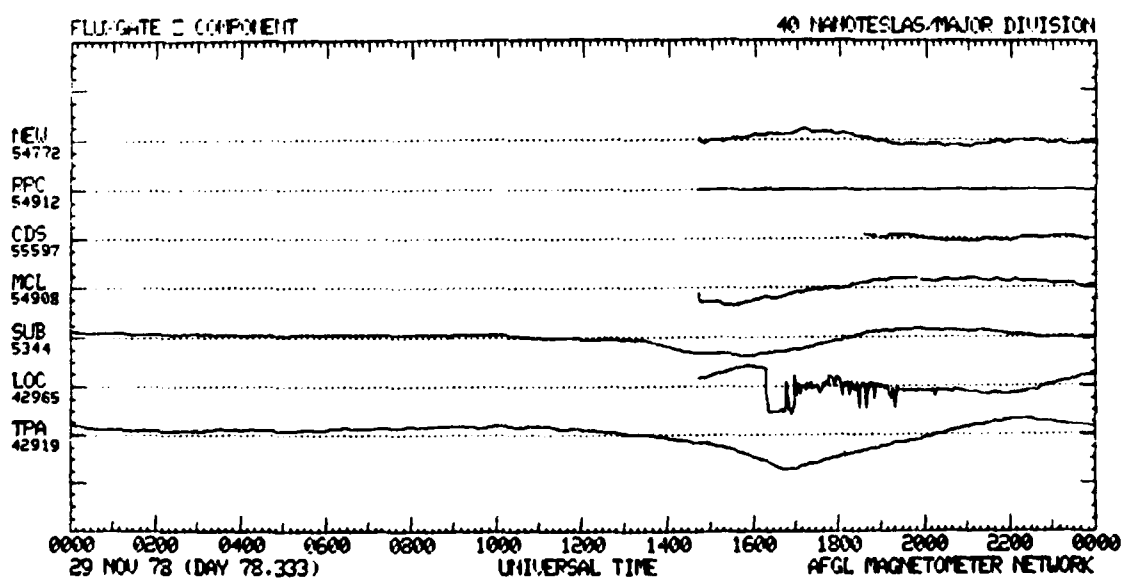
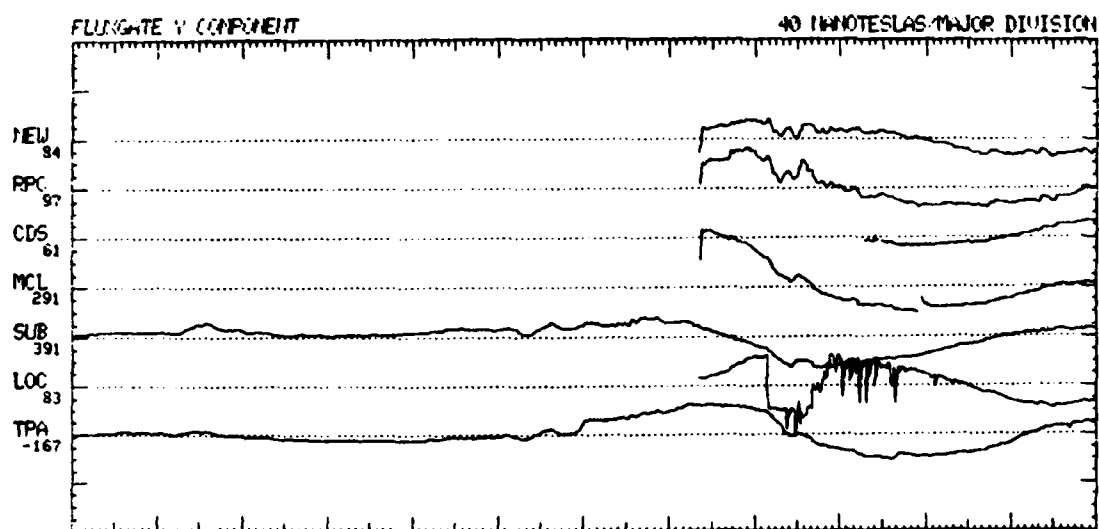
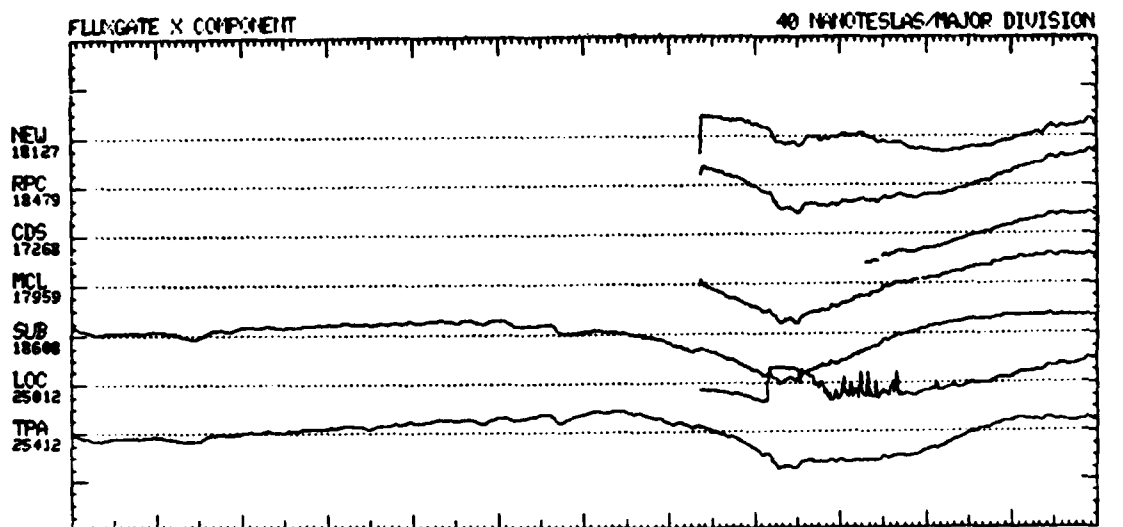
FLIGHTLINE Z COMPONENT

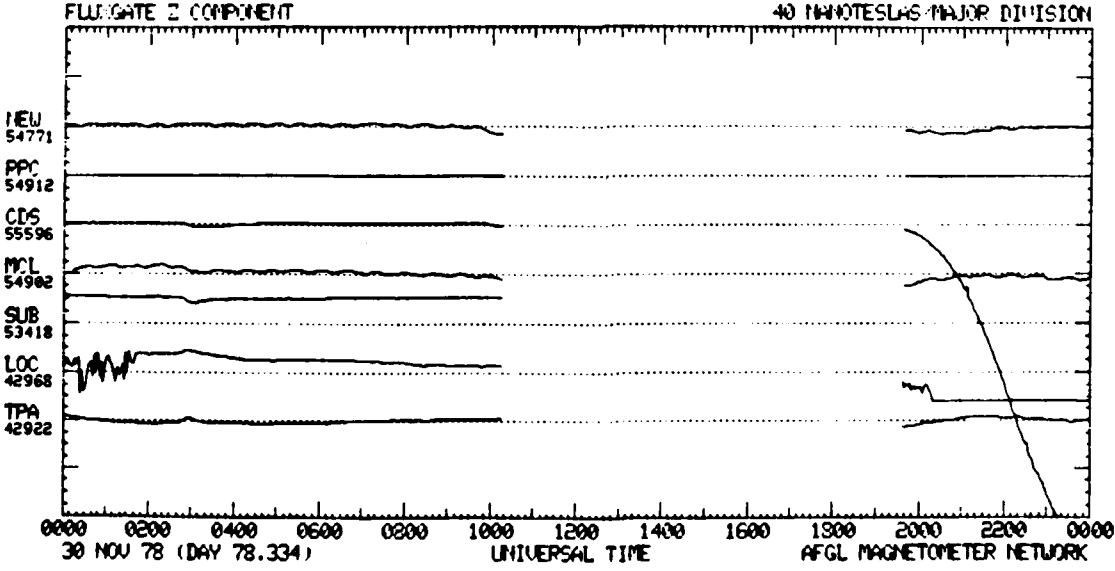
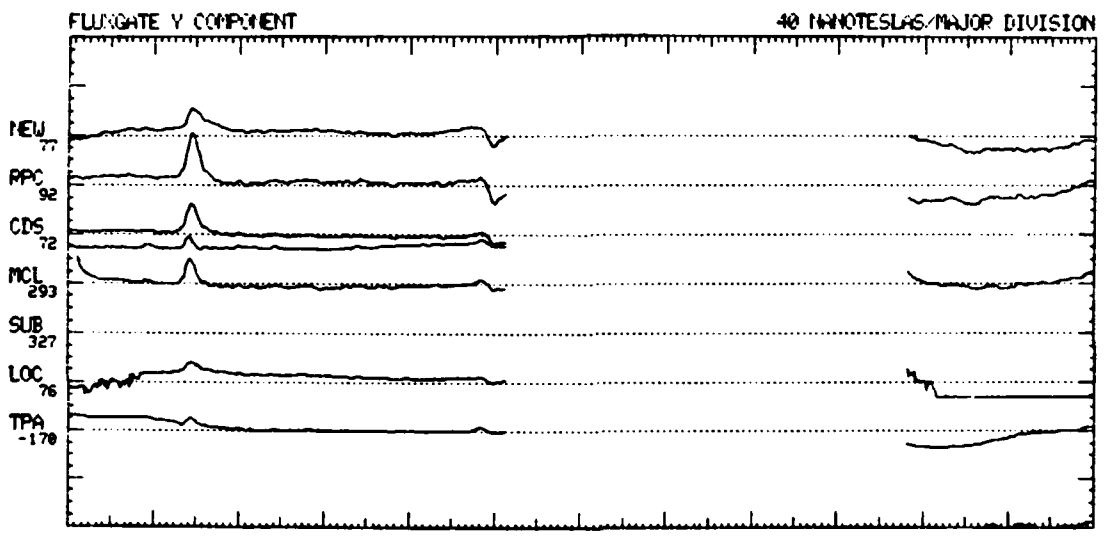
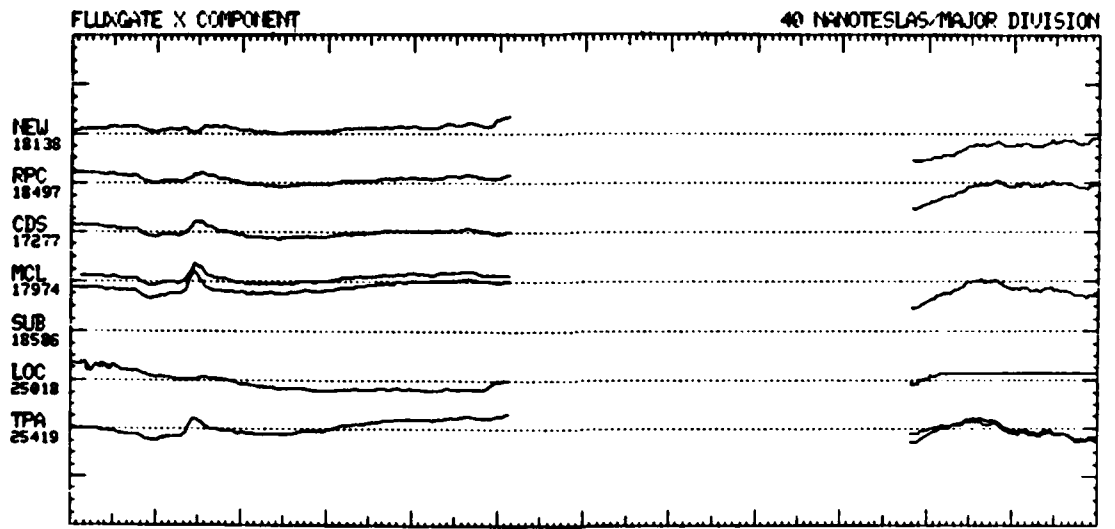
40 NANOTESLAS/MAJOR DIVISION

NEU
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RPC
54912
CDS
55580
MCL
54906
SUB
53446
LOC
42972
TPA
42925



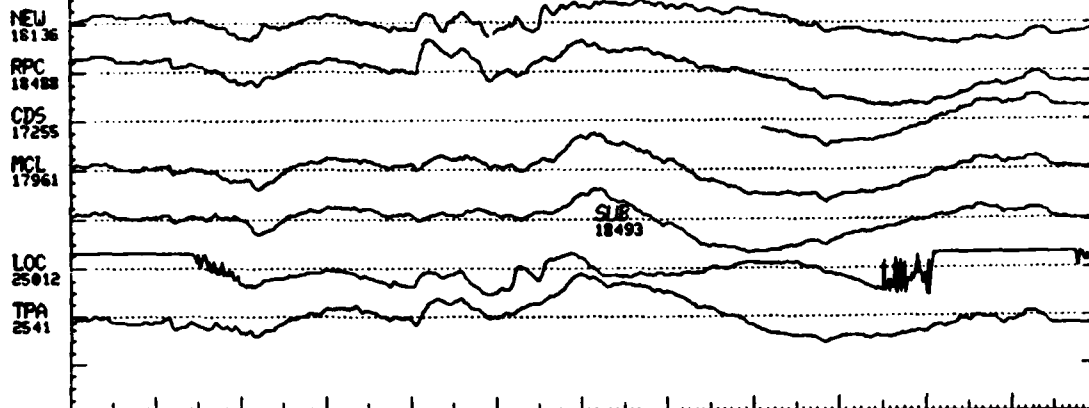
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28 NOV 78 (DAY 78.332) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK





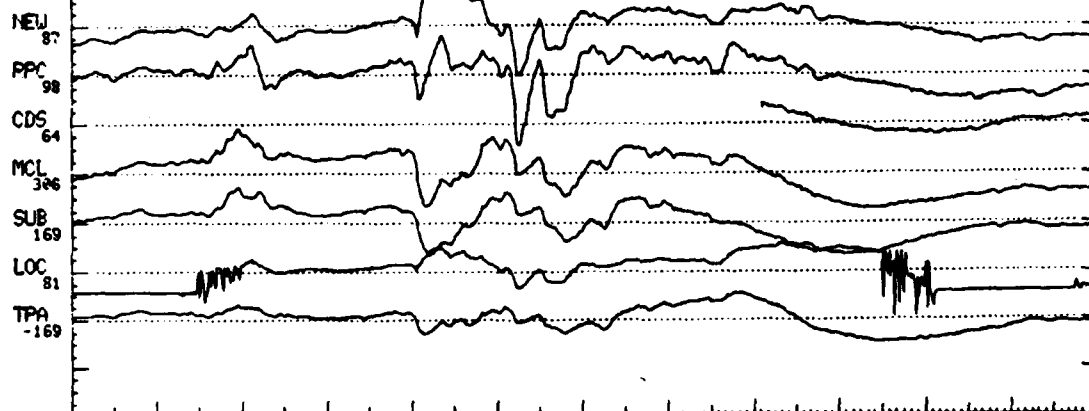
FLURGATE X COMPONENT

40 NANOTESLAS MAJOR DIVISION



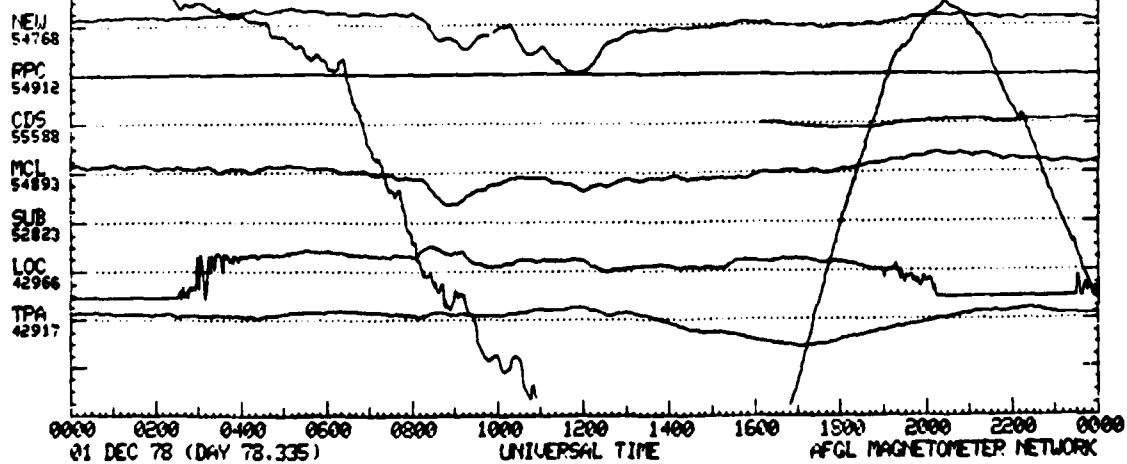
FLURGATE Y COMPONENT

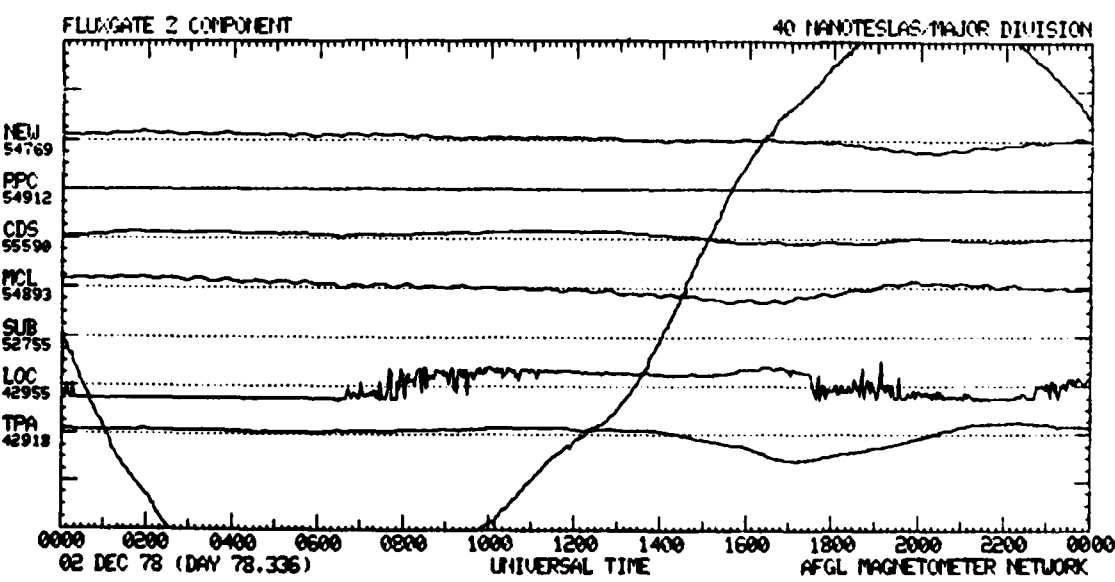
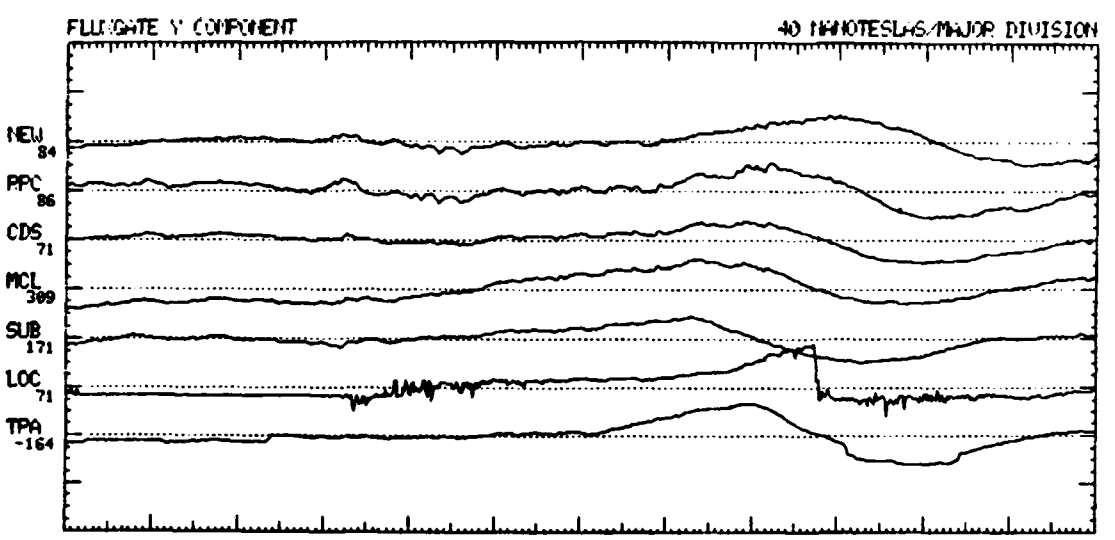
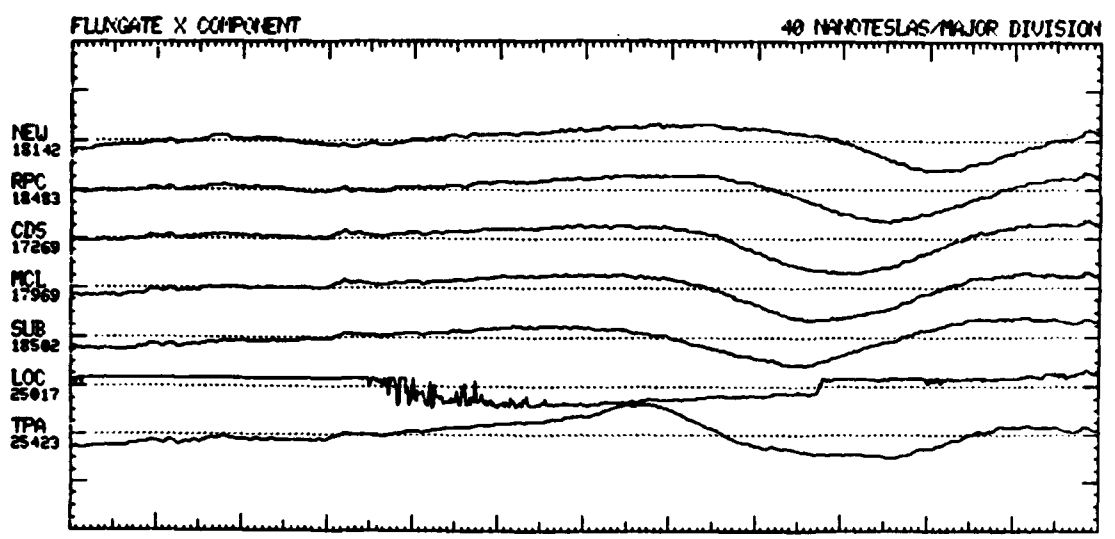
40 NANOTESLAS MAJOR DIVISION

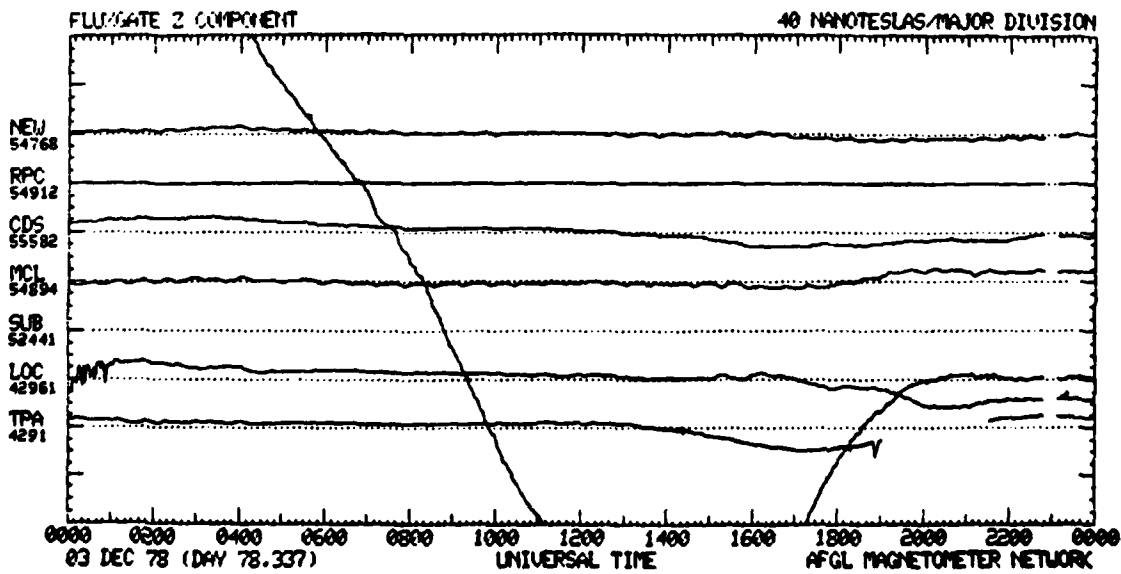
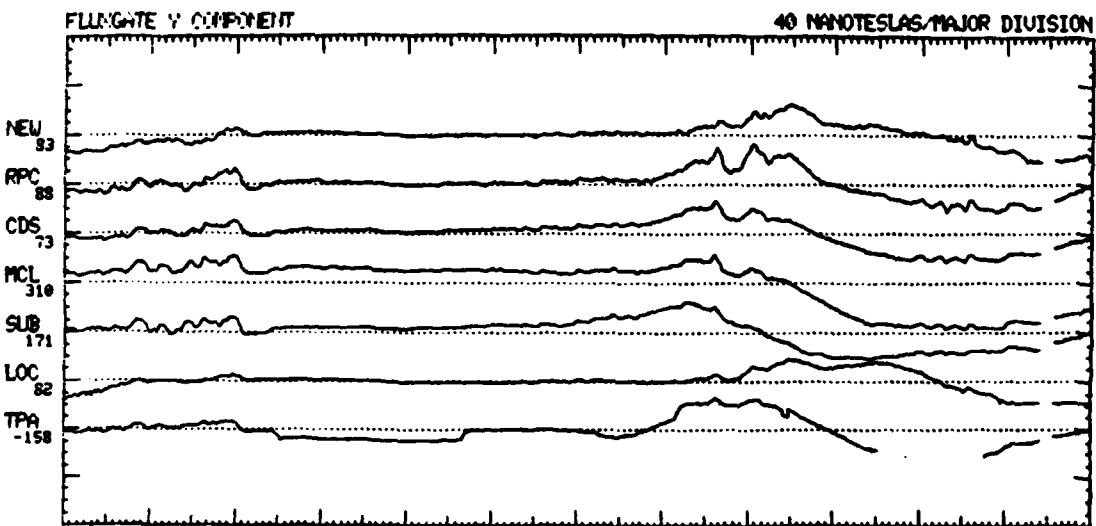
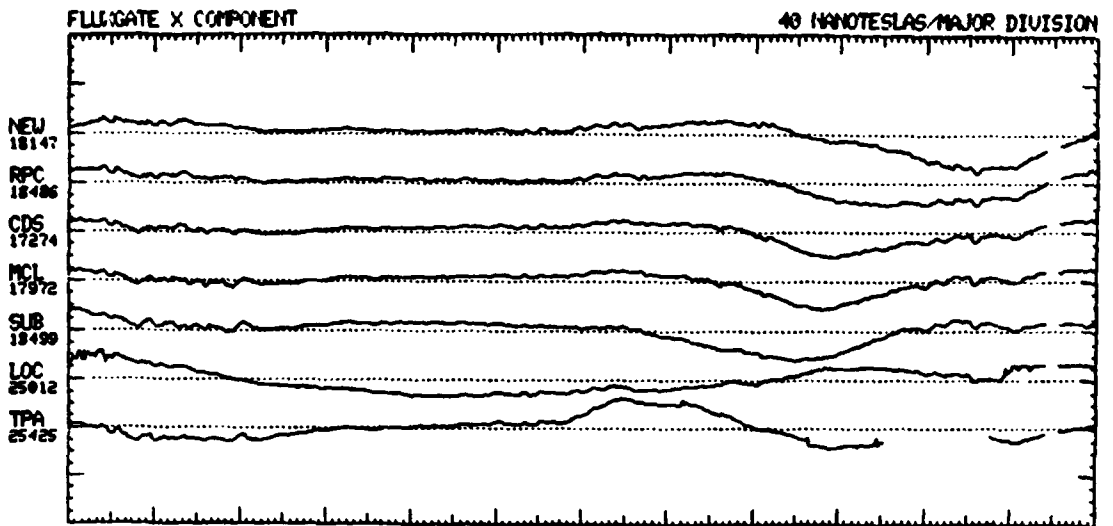


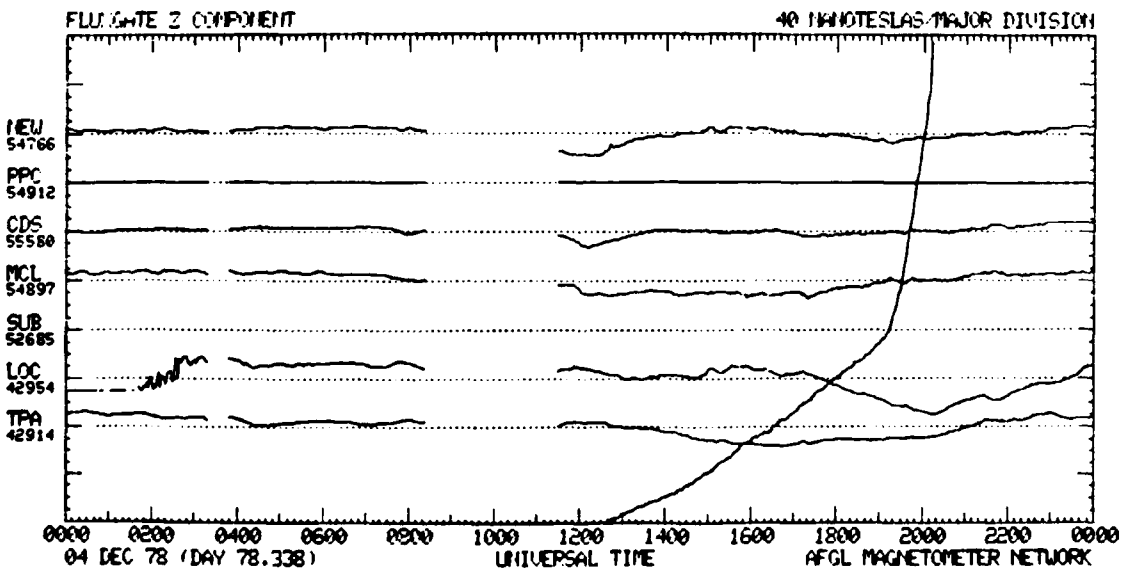
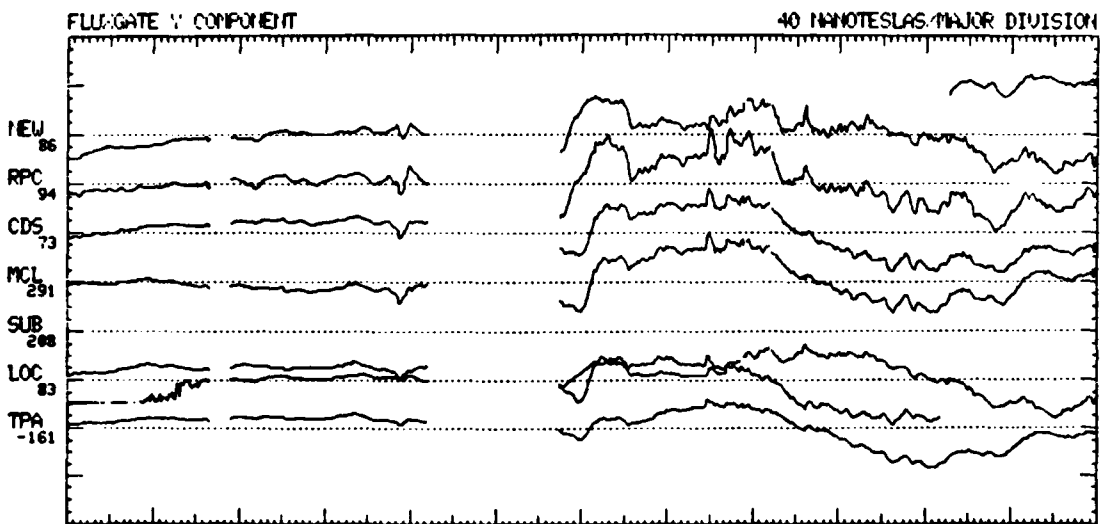
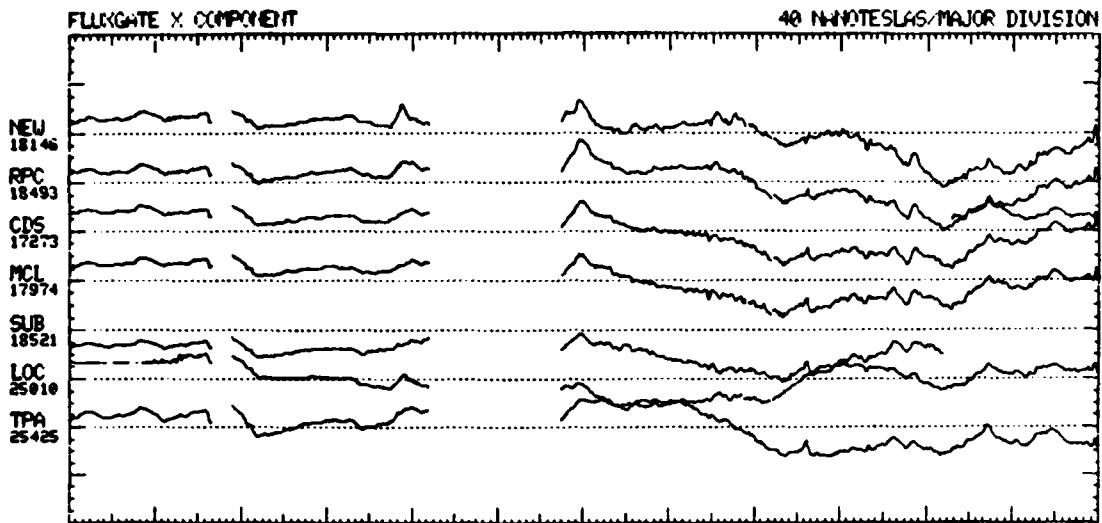
FLURGATE Z COMPONENT

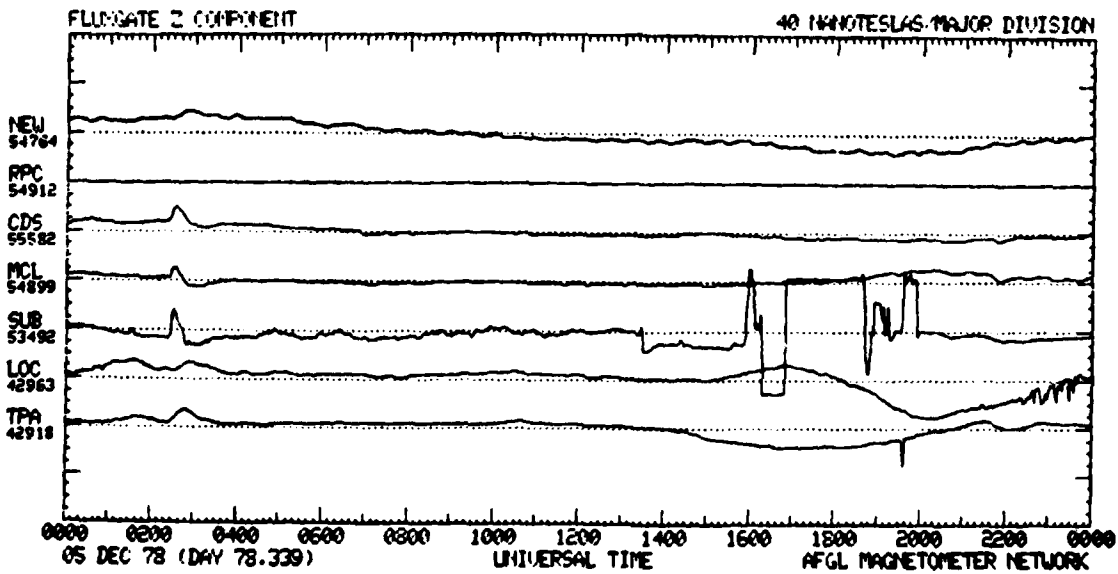
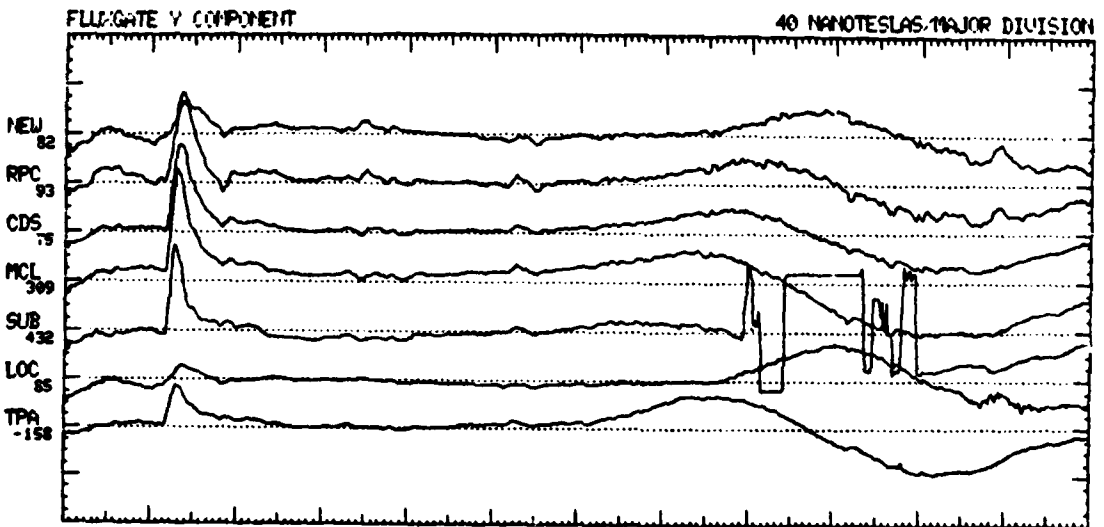
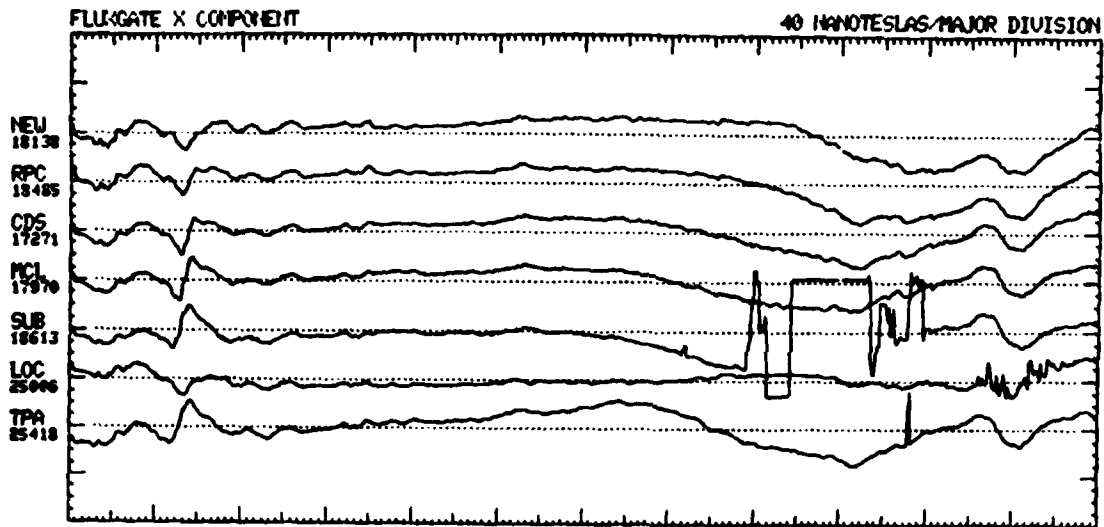
40 NANOTESLAS MAJOR DIVISION

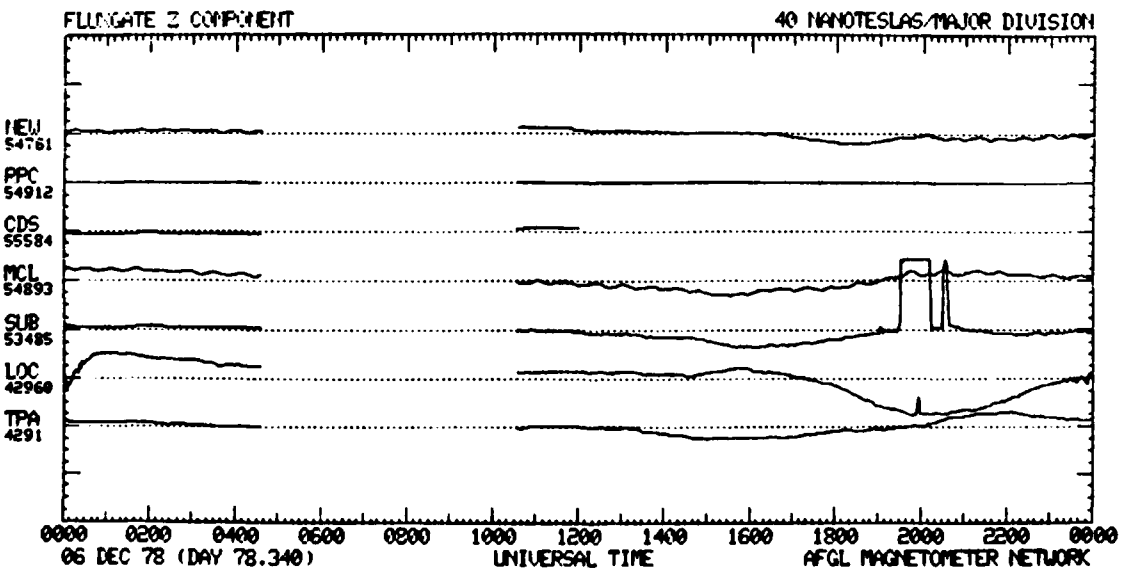
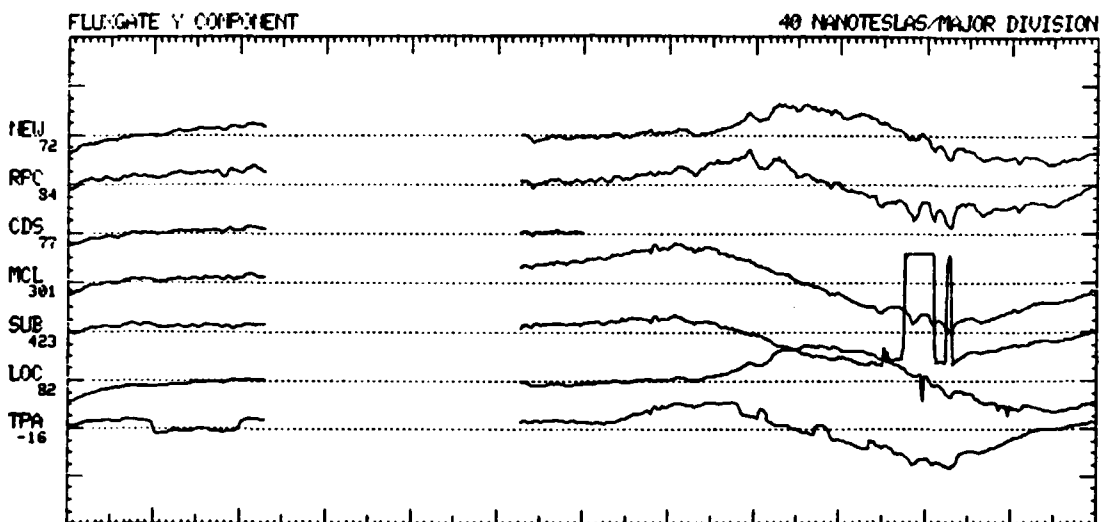
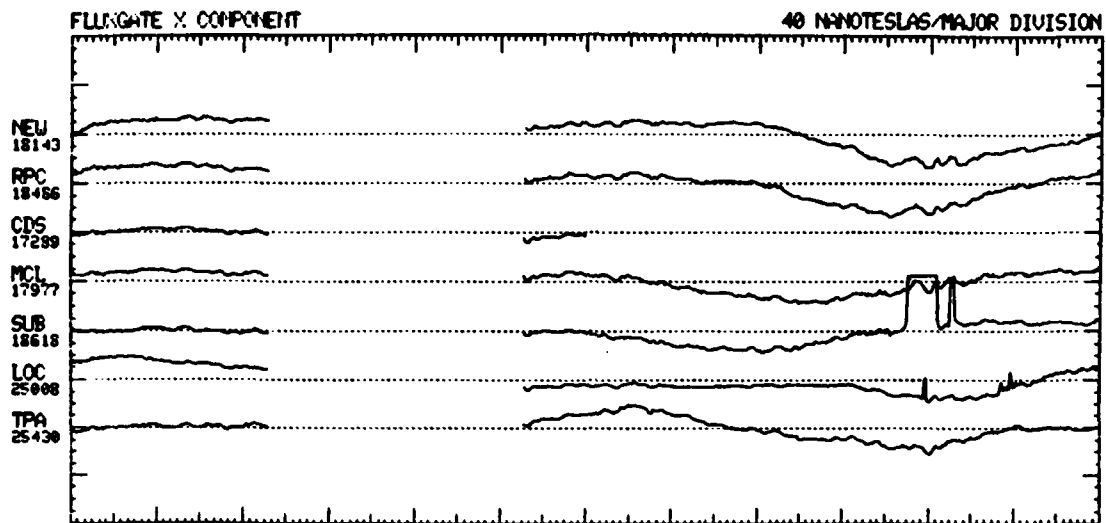






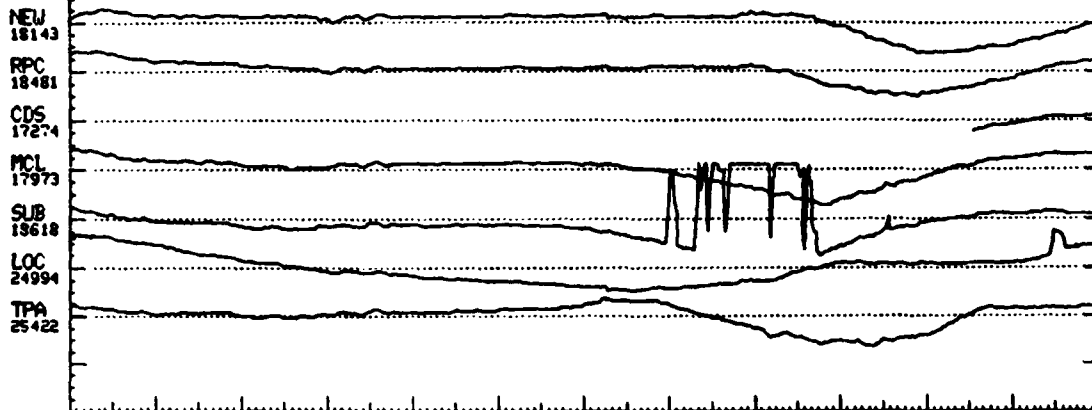






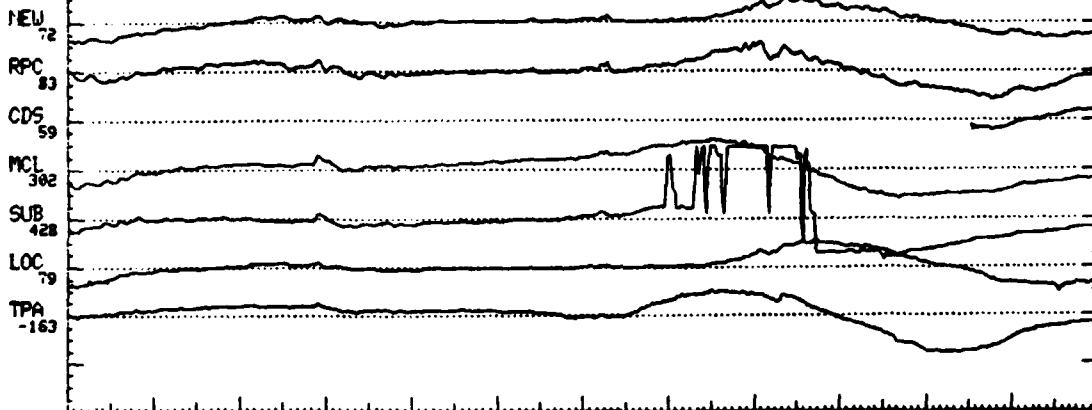
FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION



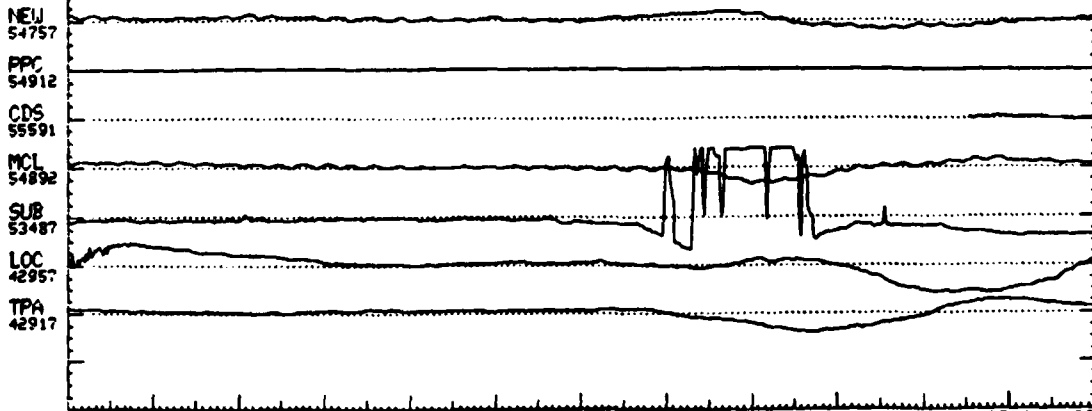
FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

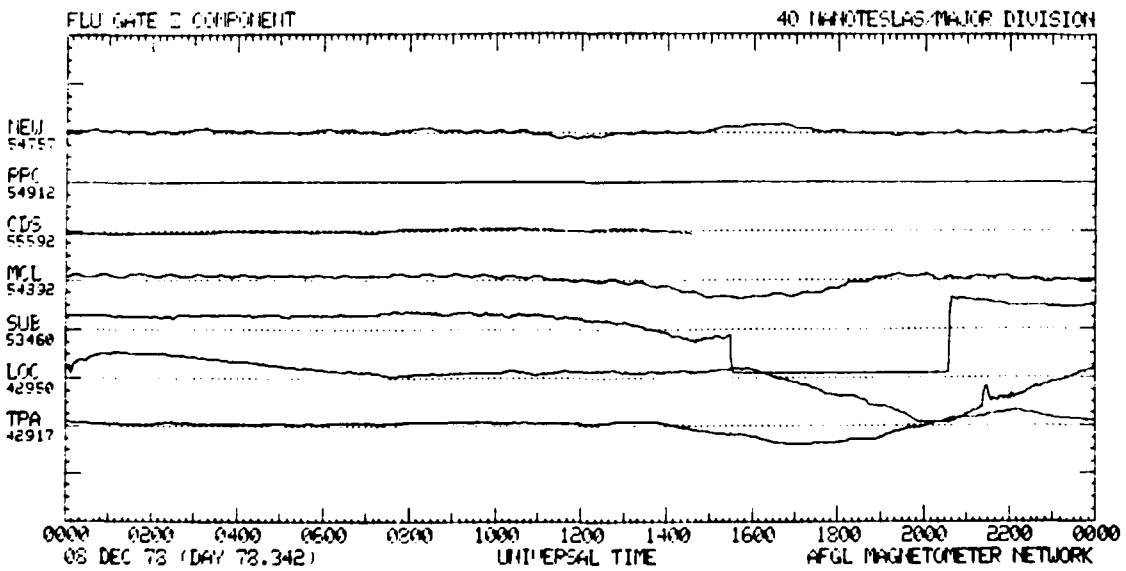
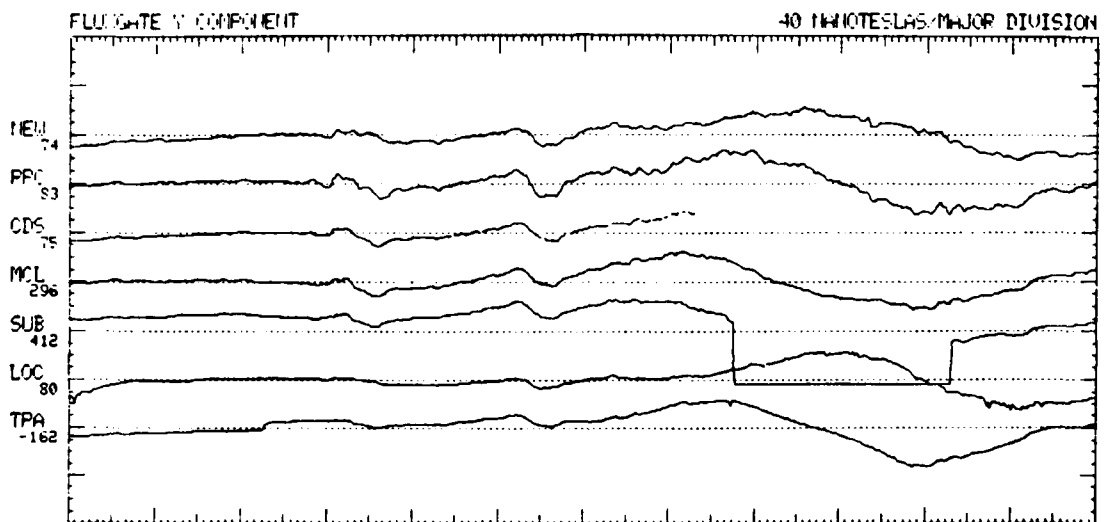
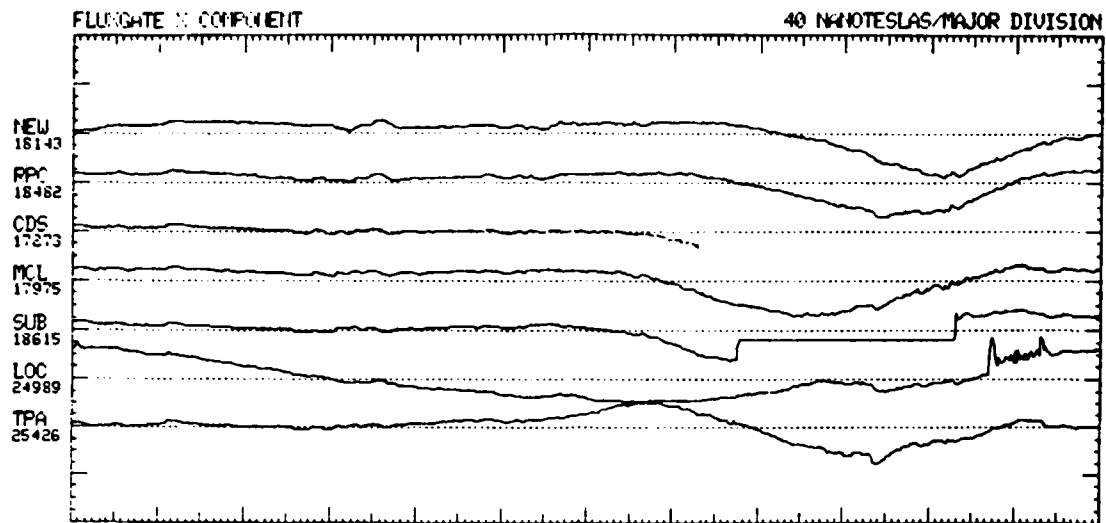


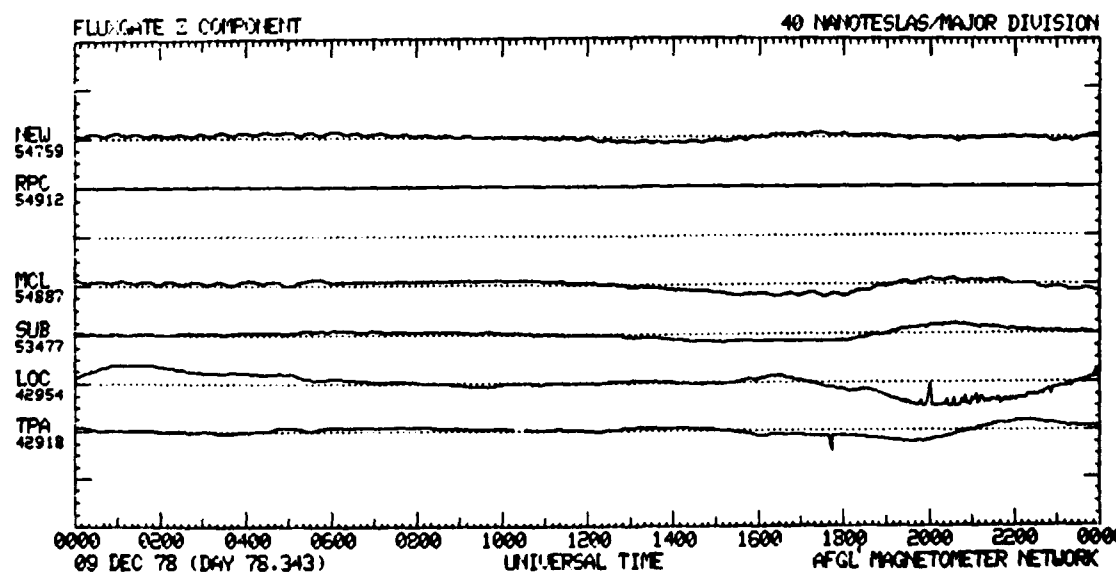
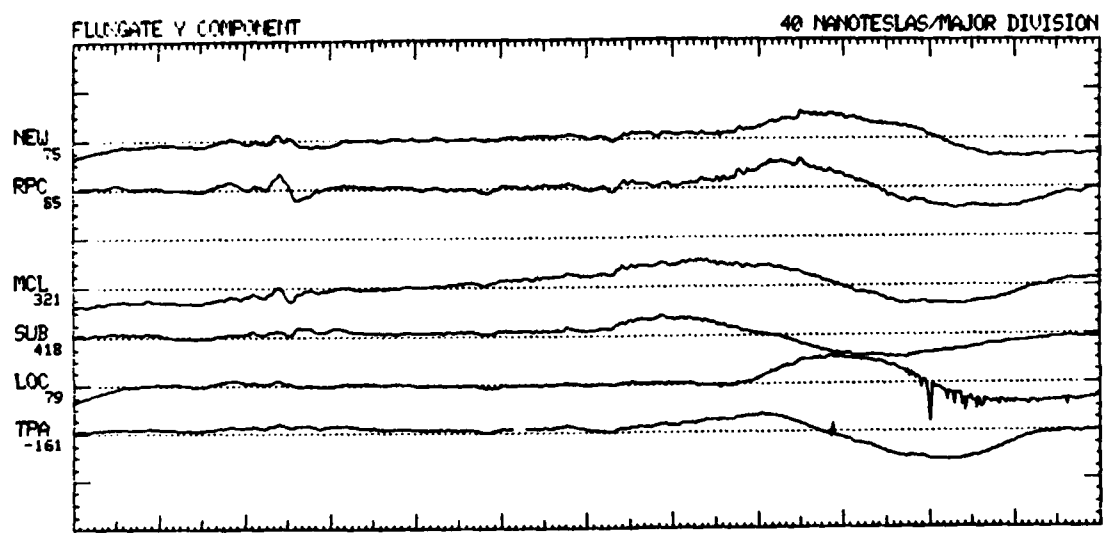
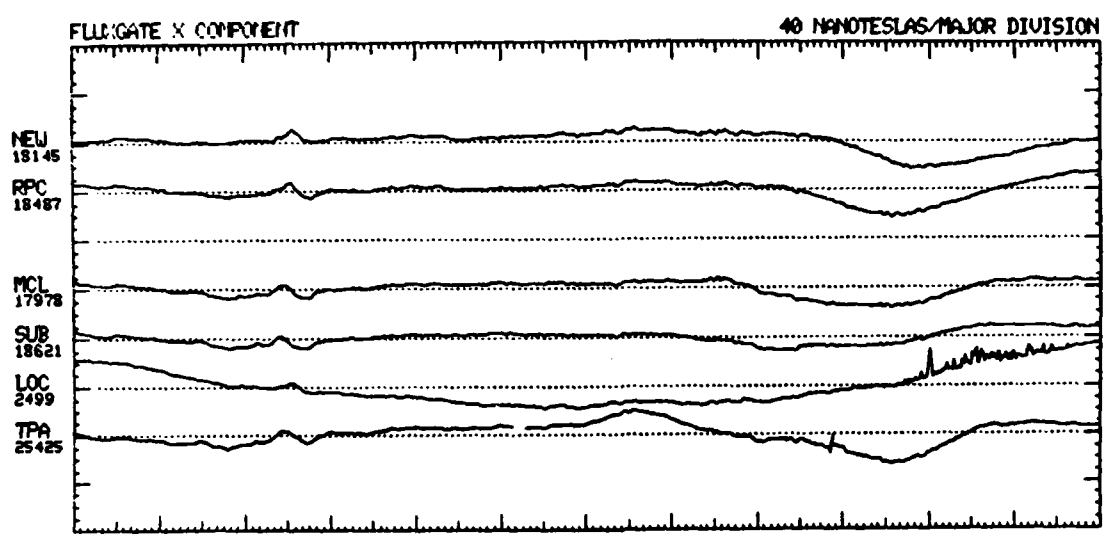
FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION



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 07 DEC 78 (DAY 78.341) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

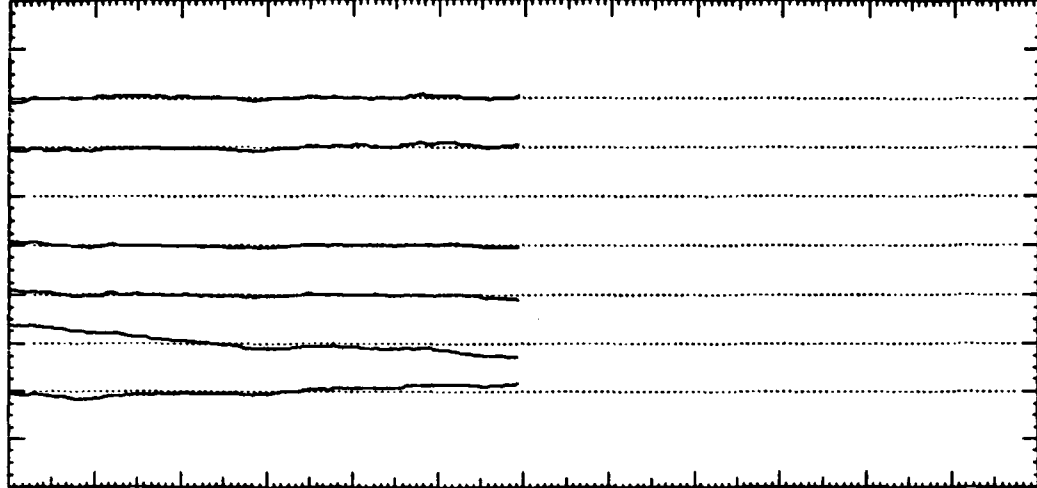




FLUXGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

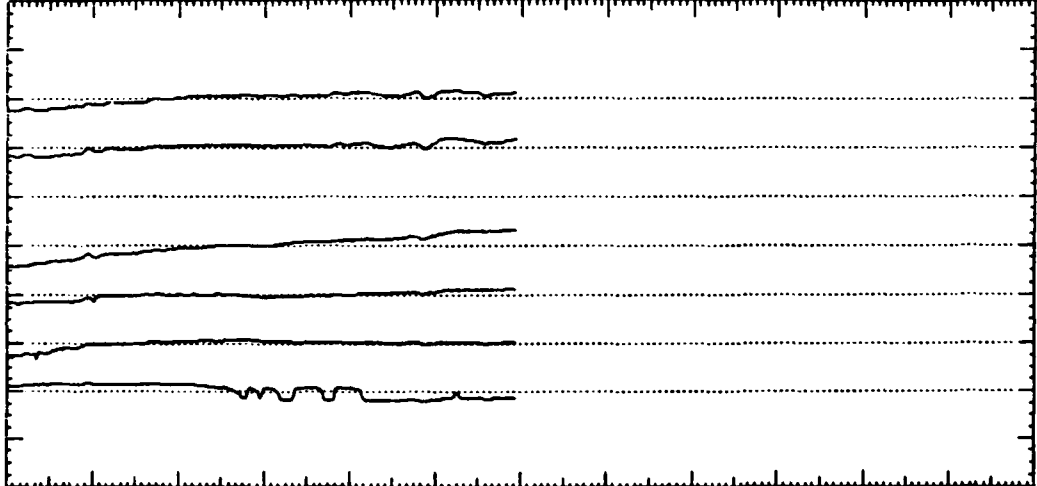
NEU
15150
RPC
13504
MCL
17980
SUB
18624
LOC
25011
TPA
25432



FLUXGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

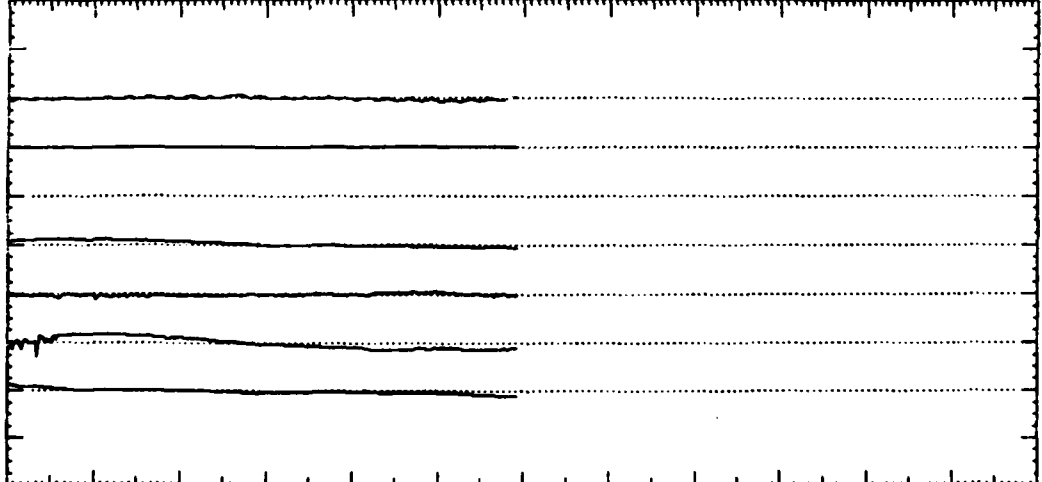
NEU
74
RPC
92
MCL
344
SUB
422
LOC
7
TPA
-165



FLUXGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54761
RPC
54912
MCL
54878
SUB
53478
LOC
42963
TPA
42916

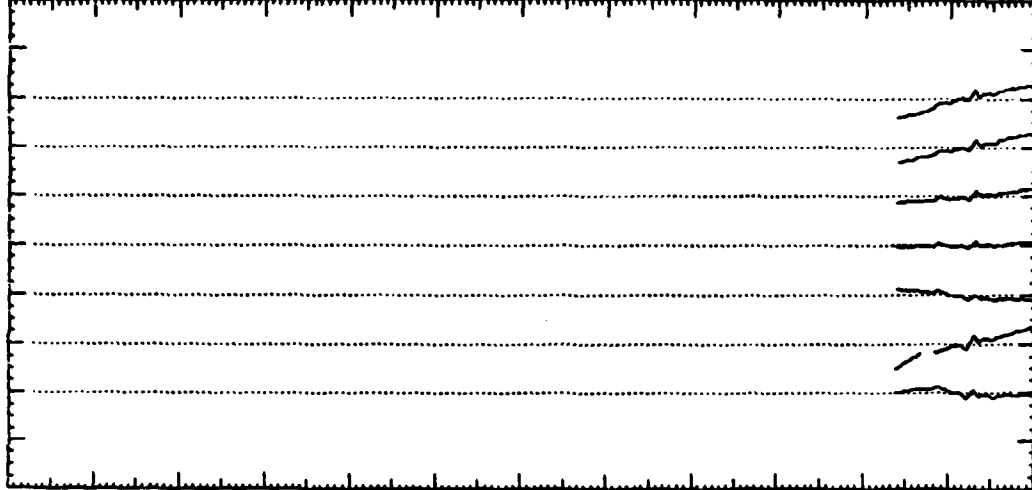


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
10 DEC 78 (DAY 78.344) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUNGATE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
18145
RPC
18509
CDS
17288
MCL
17989
SUB
18456
LOC
25032
TPA
25445



FLUNGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

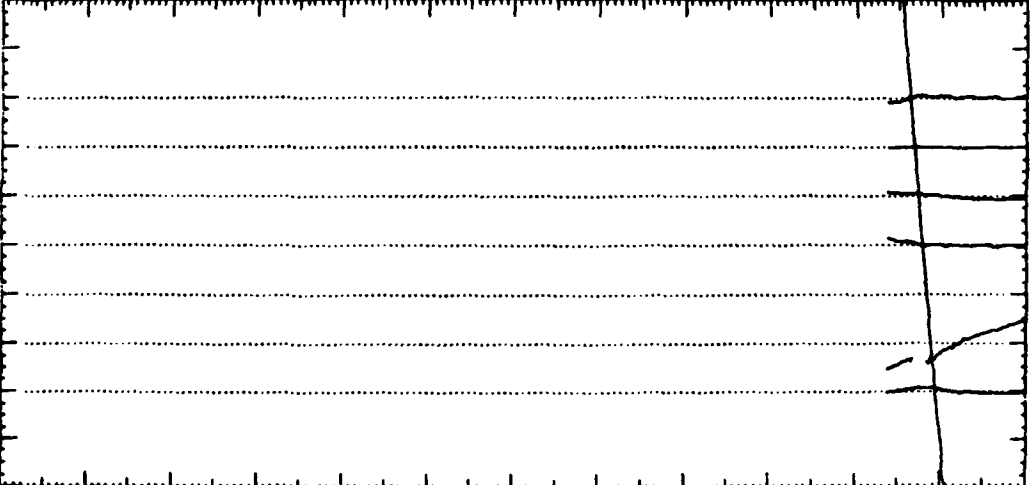
NEU
68
RPC
35
CDS
66
MCL
324
SUB
-145
LOC
68
TPA
-179



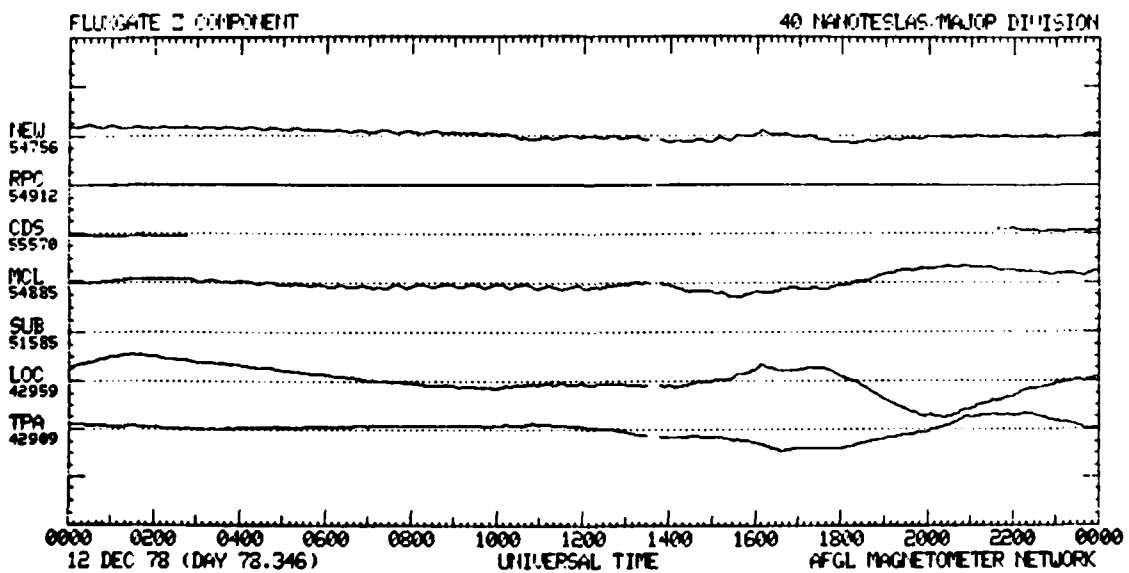
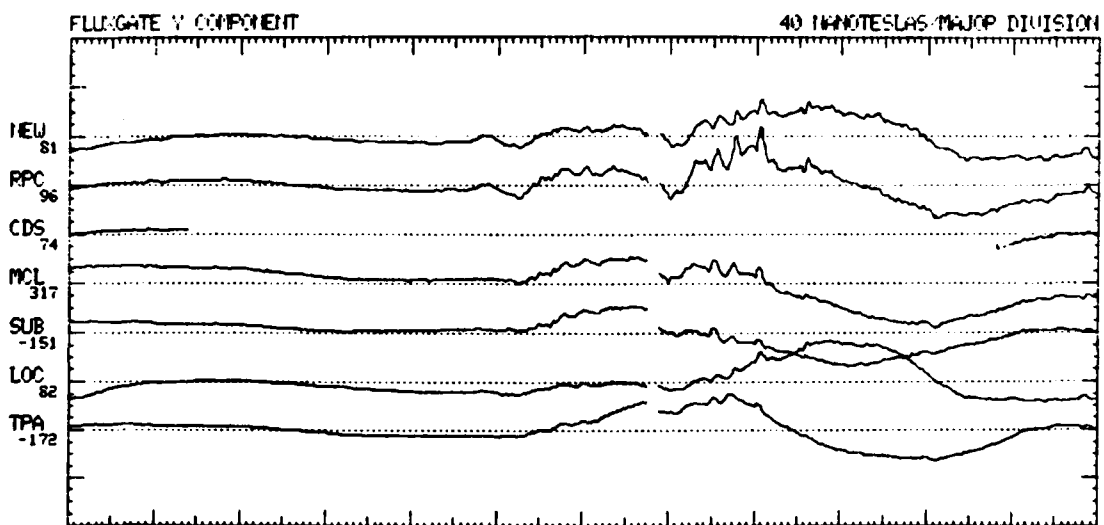
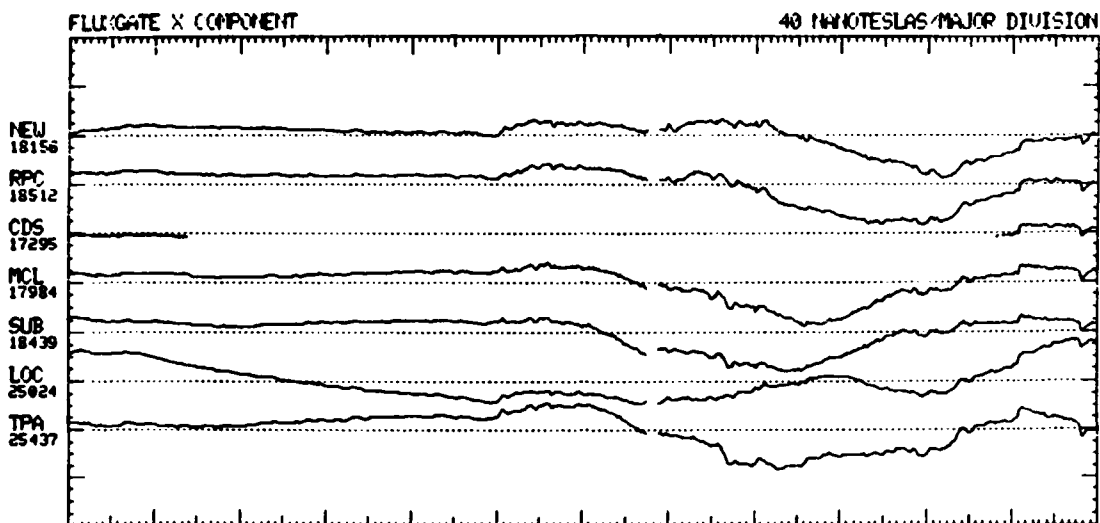
FLUNGATE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54763
RPC
54912
CDS
55572
MCL
54857
SUB
51585
LOC
42951
TPA
42915



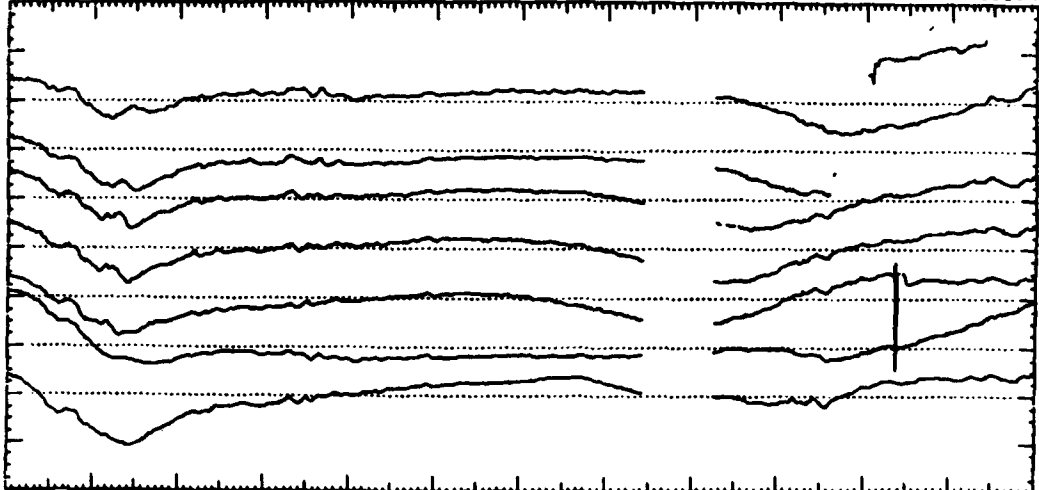
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
11 DEC 78 (DAY 78.345) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLIGHTLINE X COMPONENT

40 NANOTESLAS/MAJOR DIVISION

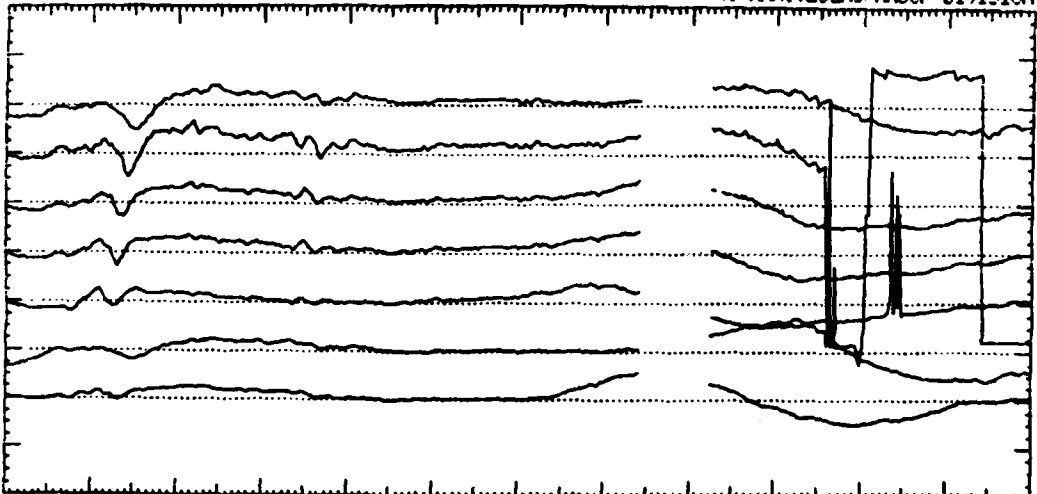
NEU
15139
RPC
18591
CDS
17276
MCL
1797
SUB
18428
LOC
25011
TPA
25419



FLIGHTLINE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

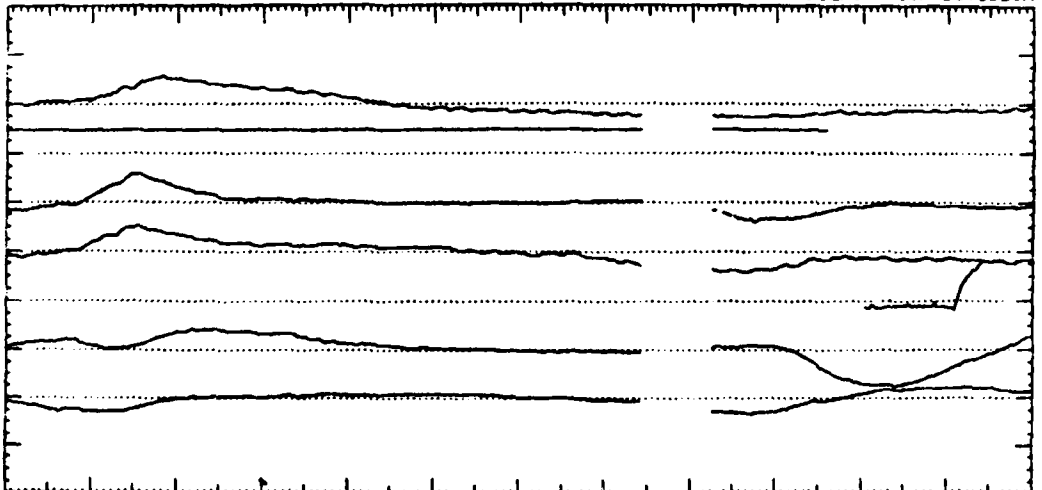
NEU
74
RPC
88
CDS
75
MCL
305
SUB
-150
LOC
80
TPA
-174



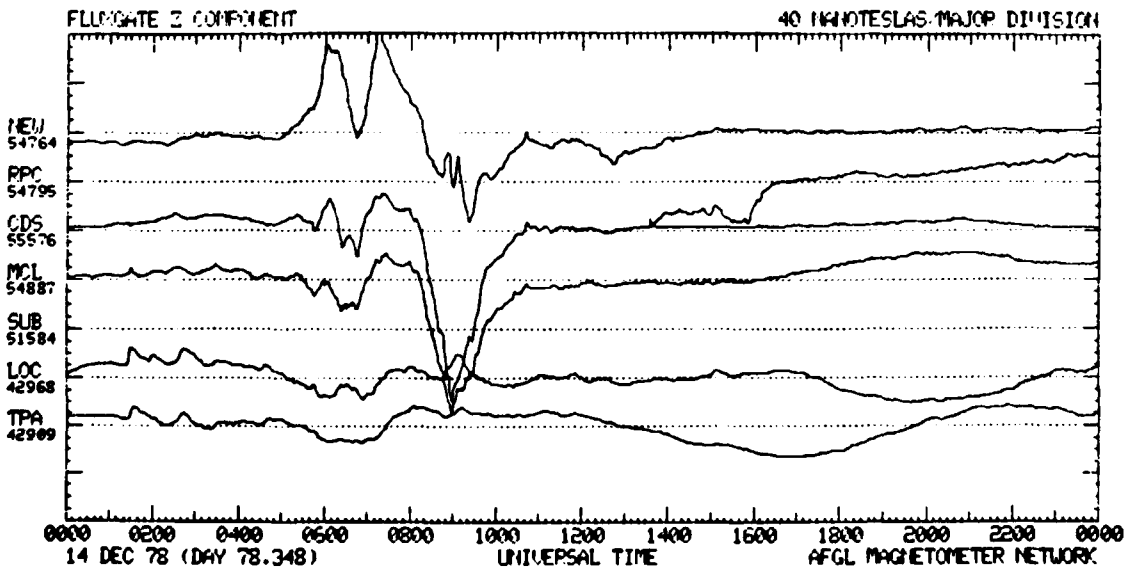
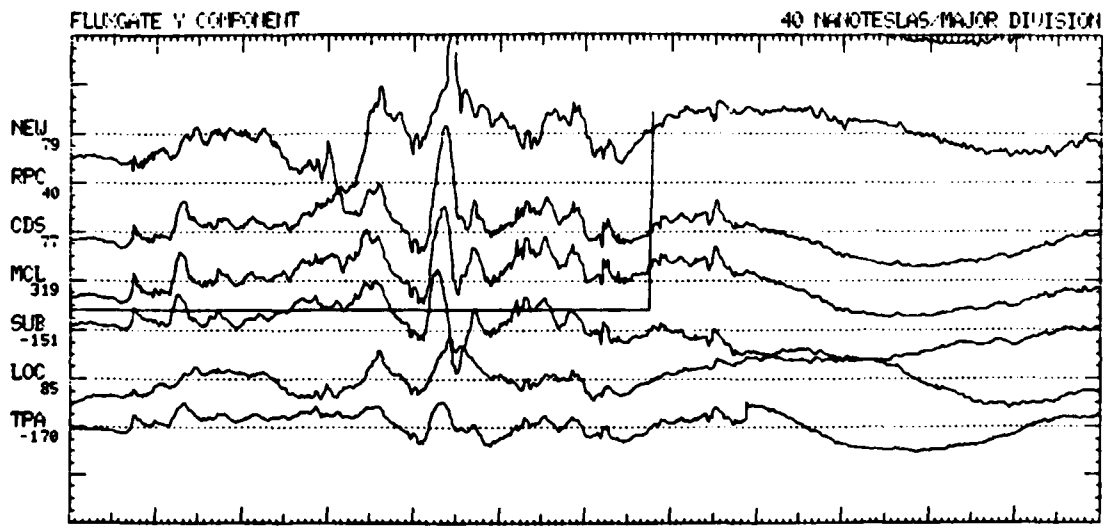
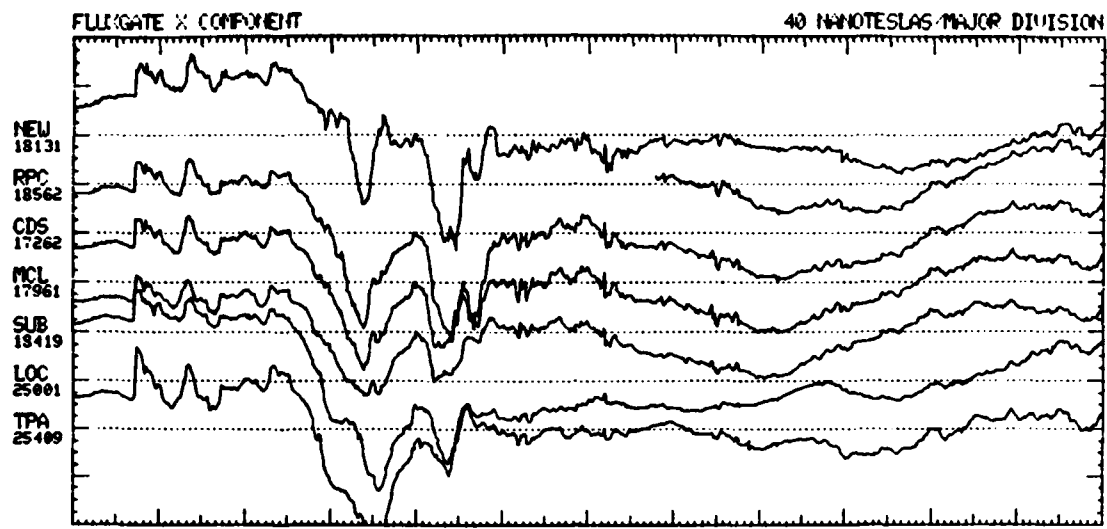
FLIGHTLINE Z COMPONENT

40 NANOTESLAS/MAJOR DIVISION

NEU
54759
RPC
54893
CDS
55581
MCL
54898
SUB
51584
LOC
4296
TPA
42913



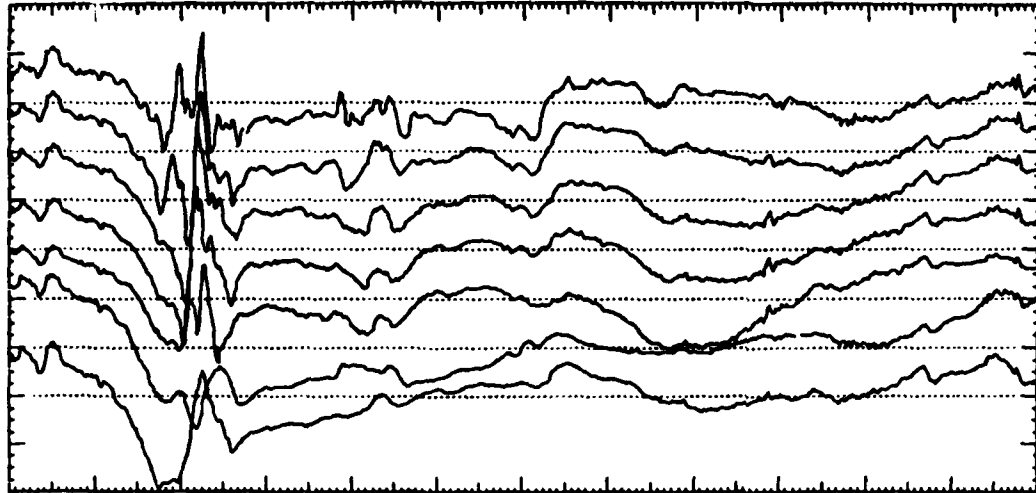
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13 DEC 78 (DAY 78.347) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

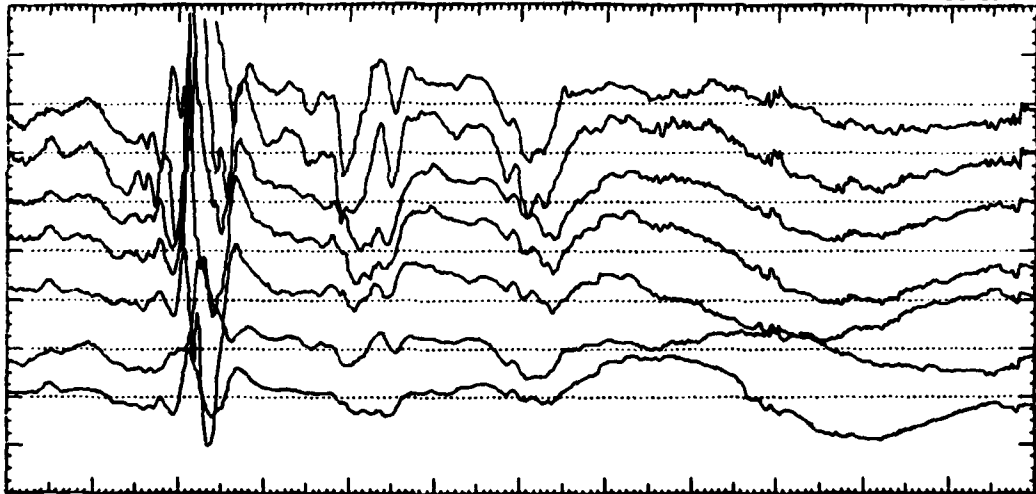
NEU
18116
RPC
18563
CDS
17299
MCL
17947
SUB
18398
LOC
24982
TPA
25387



FLUGATE Y COMPONENT

40 NANOTESLAS/MAJOR DIVISION

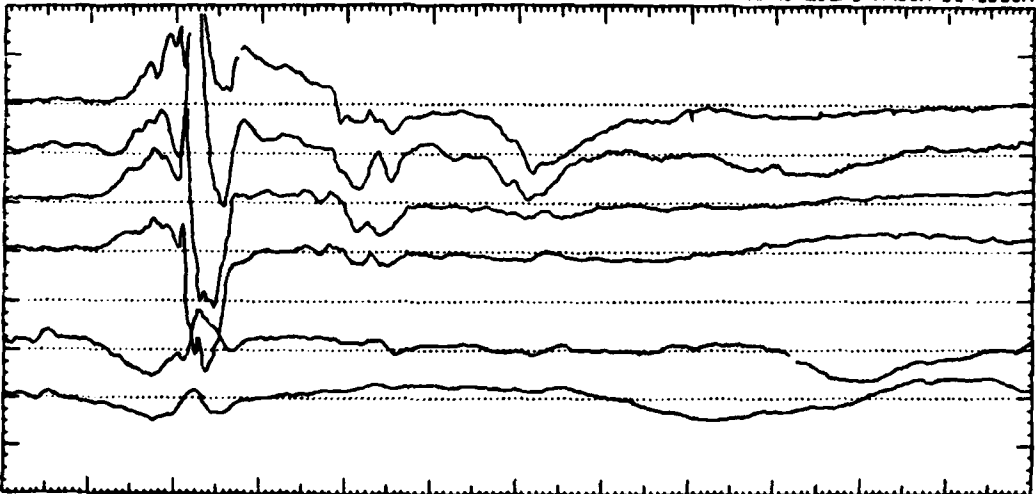
NEU
83
RPC
179
CDS
74
MCL
302
SUB
-158
LOC
83
TPA
-165



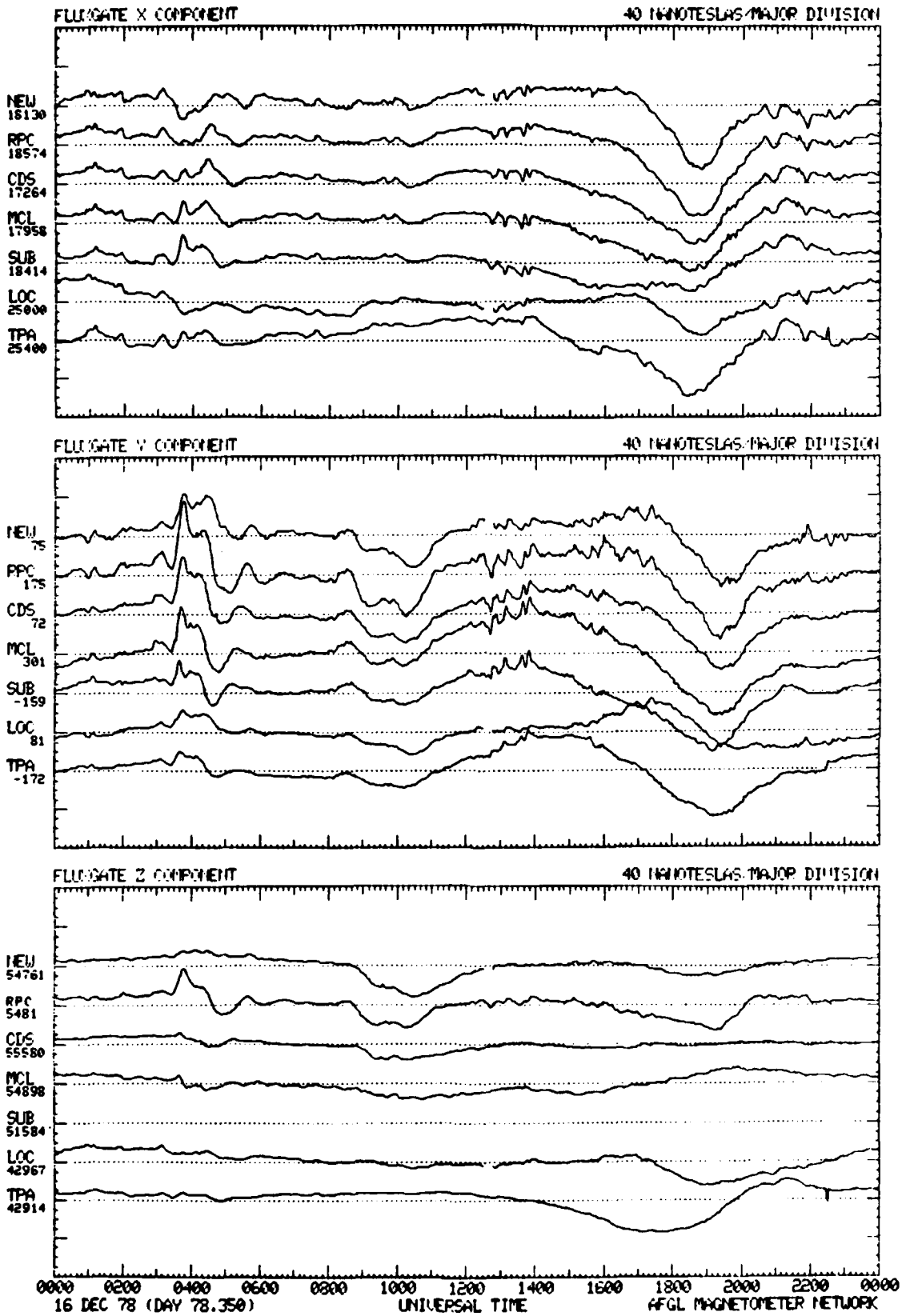
FLUGATE Z COMPONENT

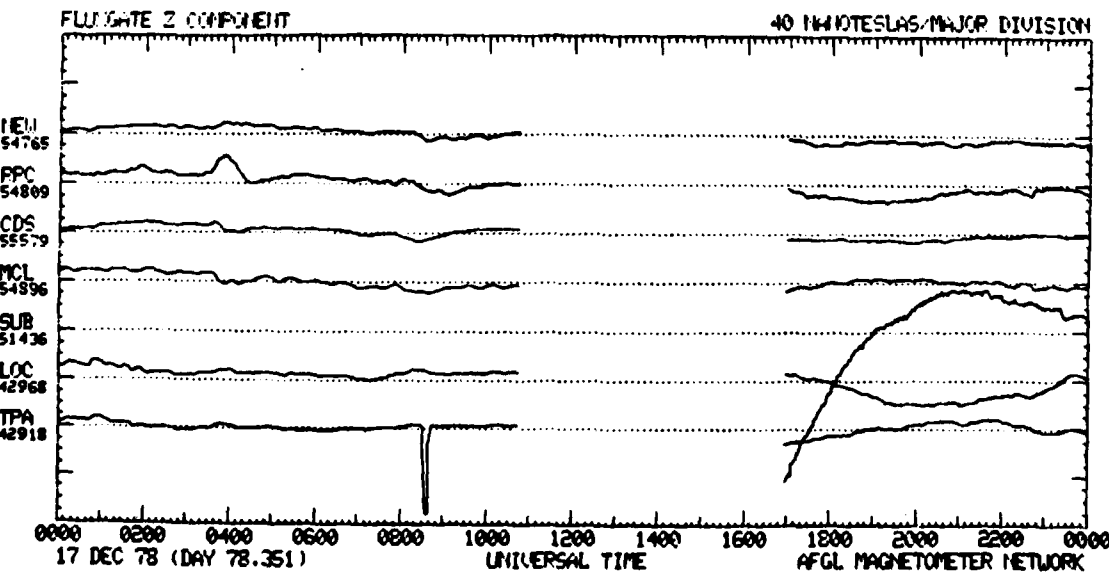
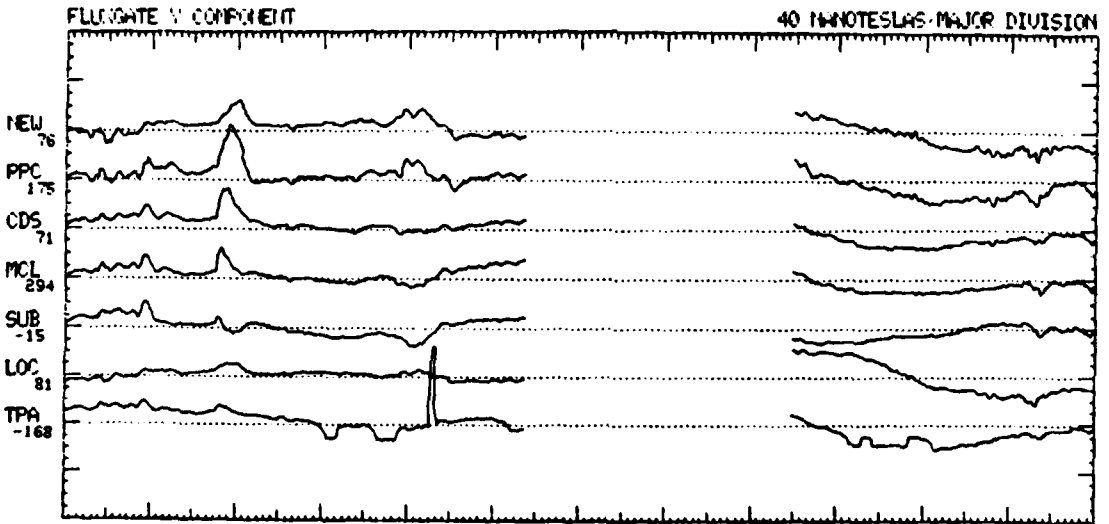
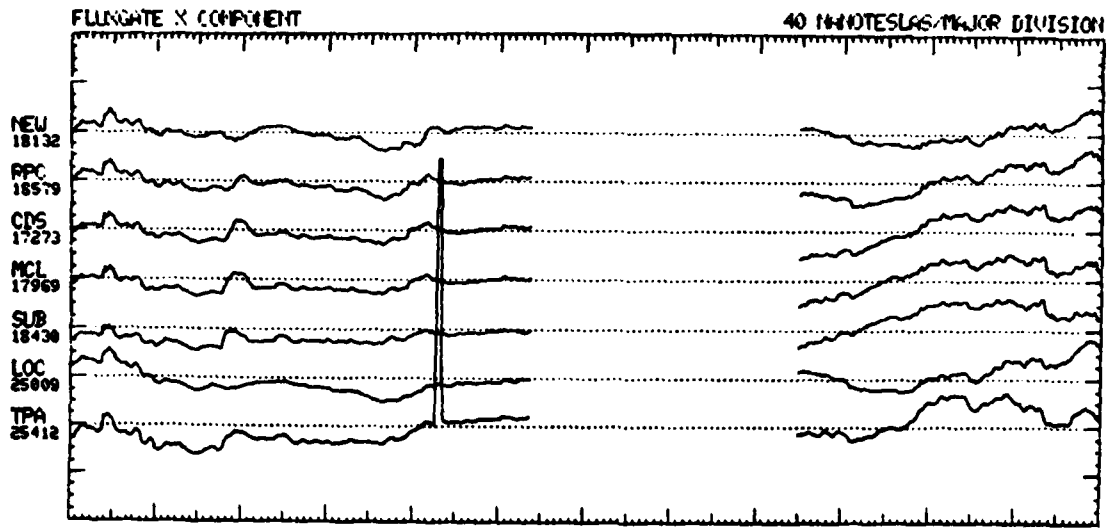
40 NANOTESLAS/MAJOR DIVISION

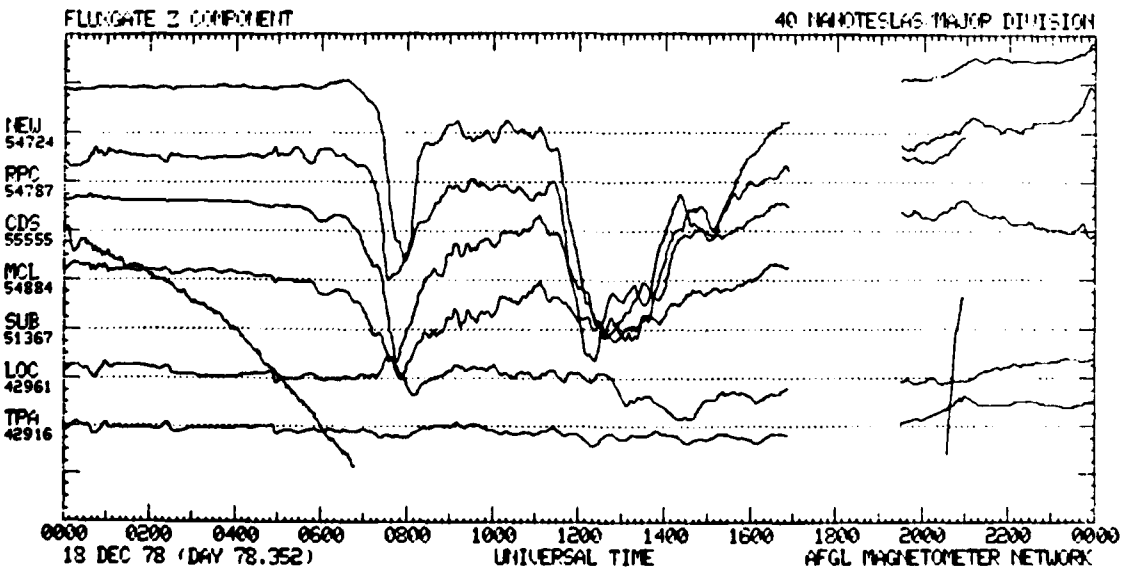
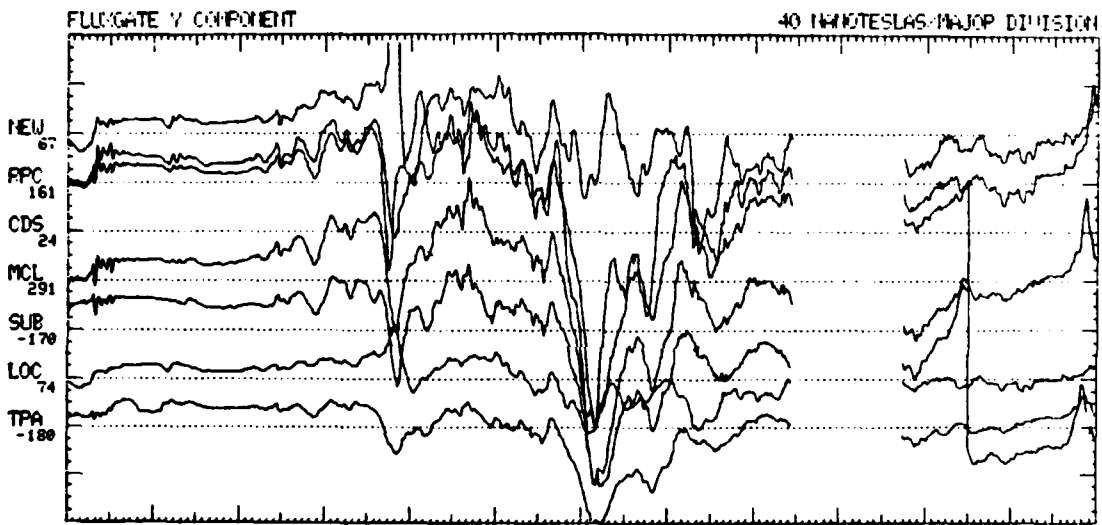
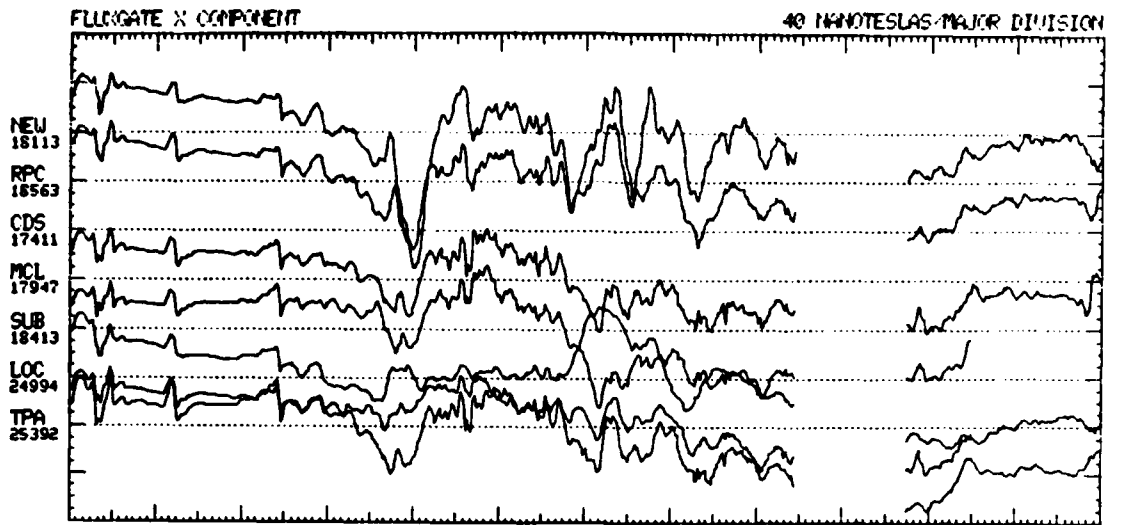
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RPC
54813
CDS
55575
MCL
54898
SUB
51584
LOC
42969
TPA
42916

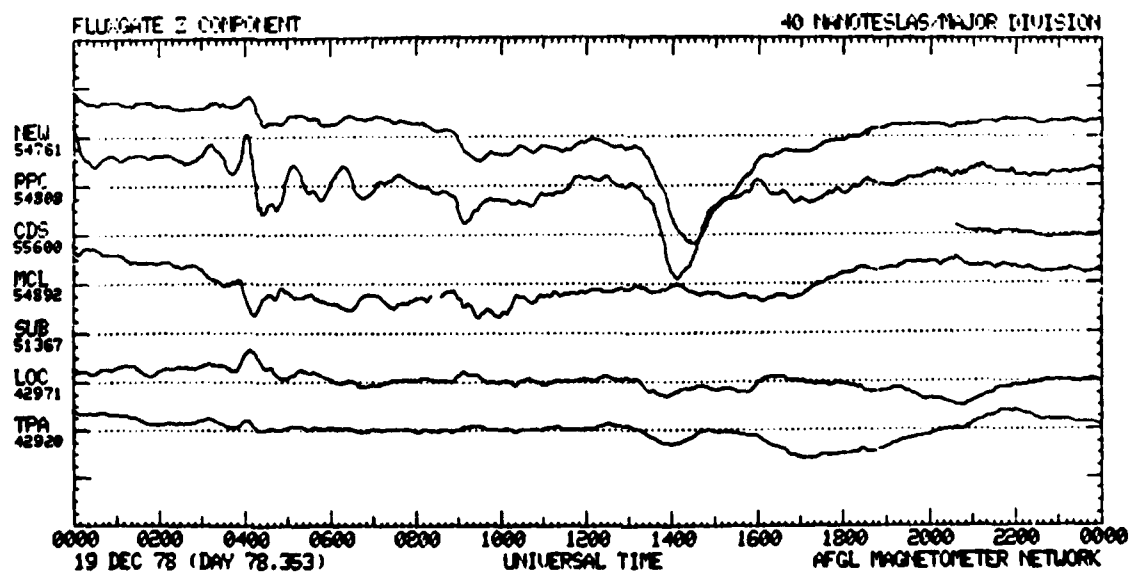
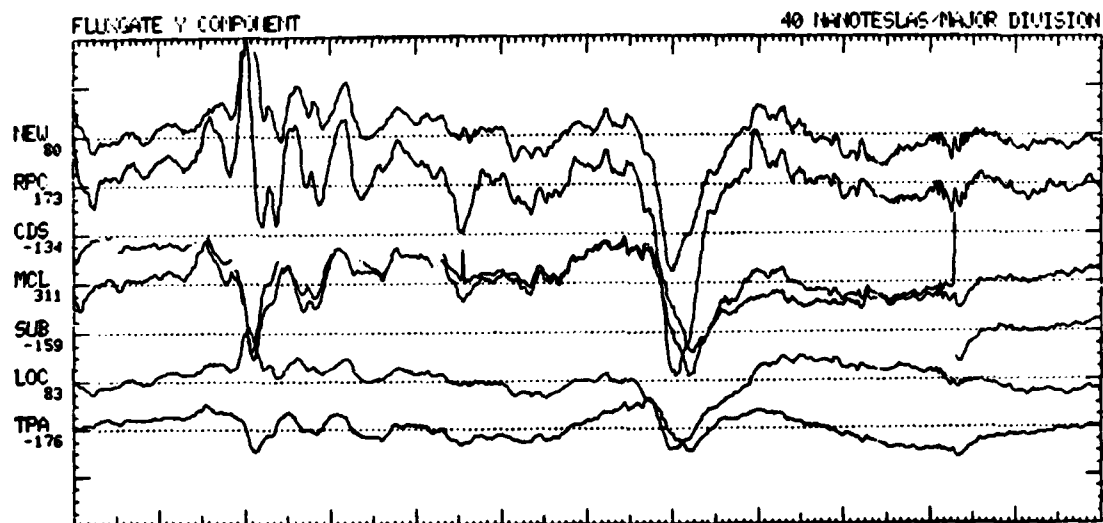
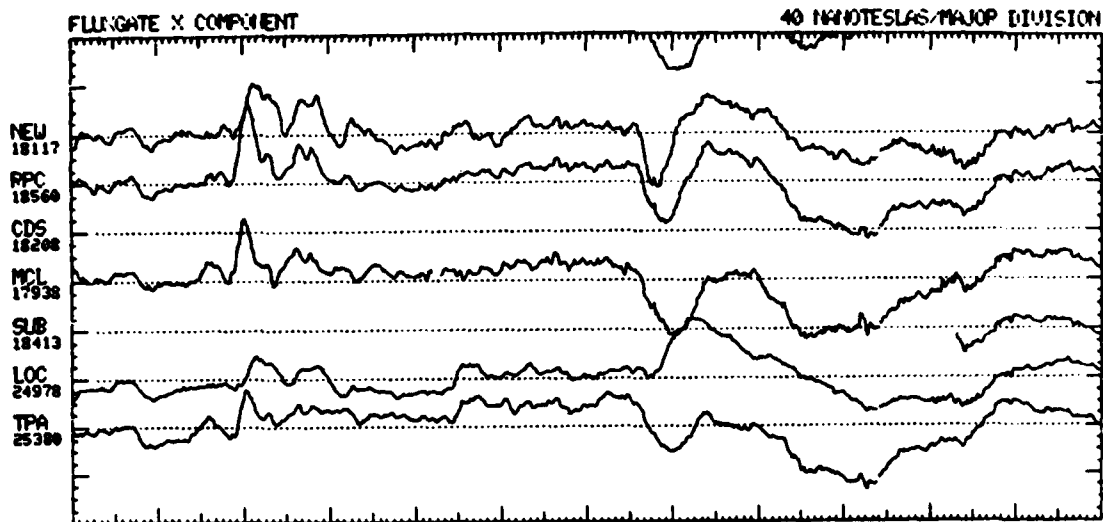


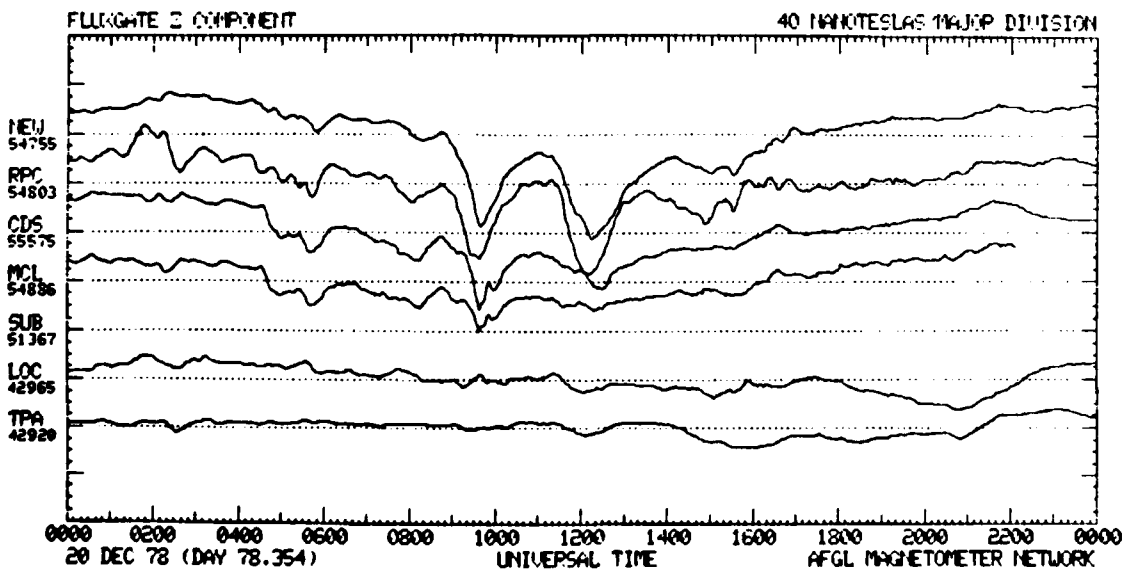
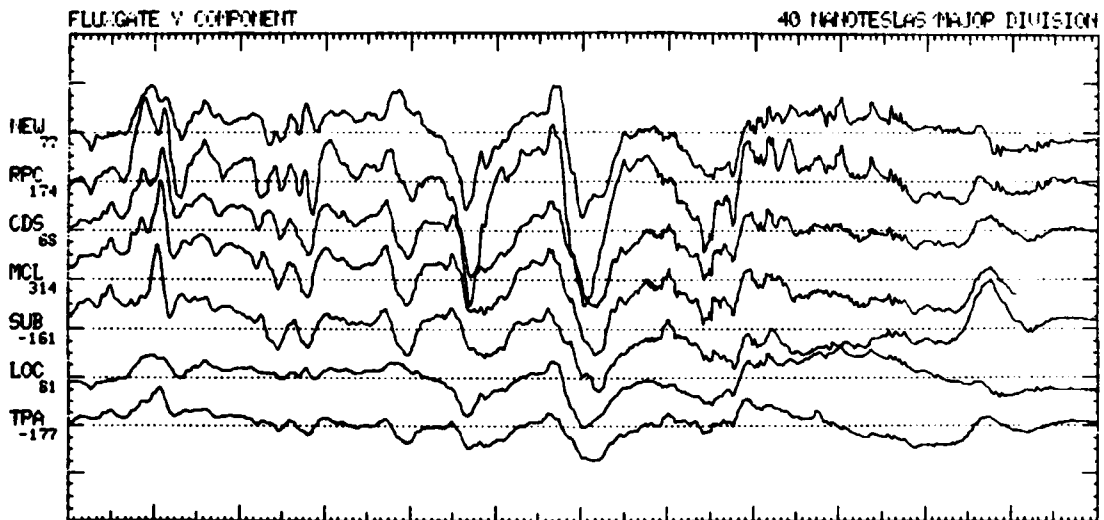
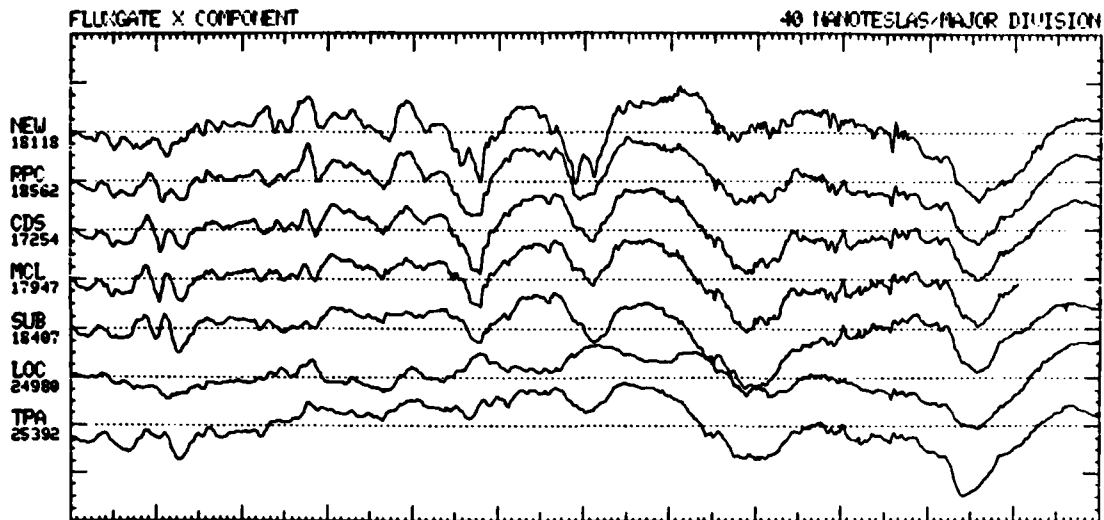
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
15 DEC 78 (DAY 78.349) ▶ UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

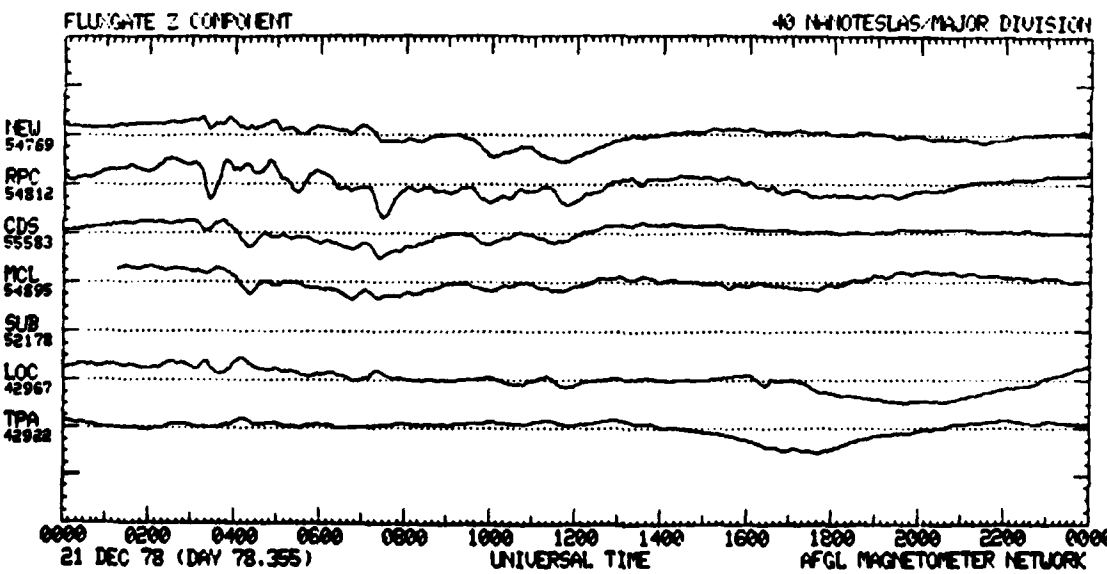
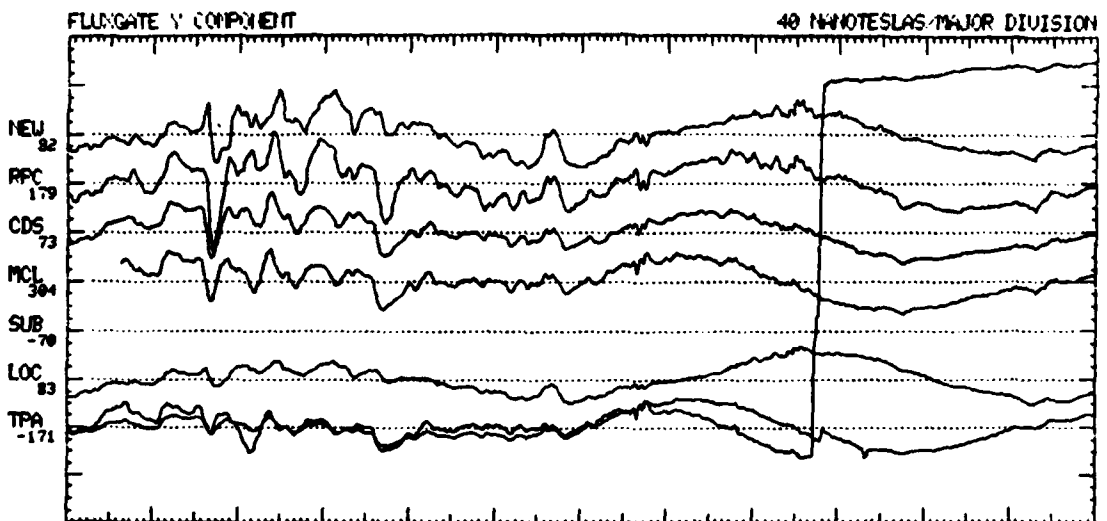
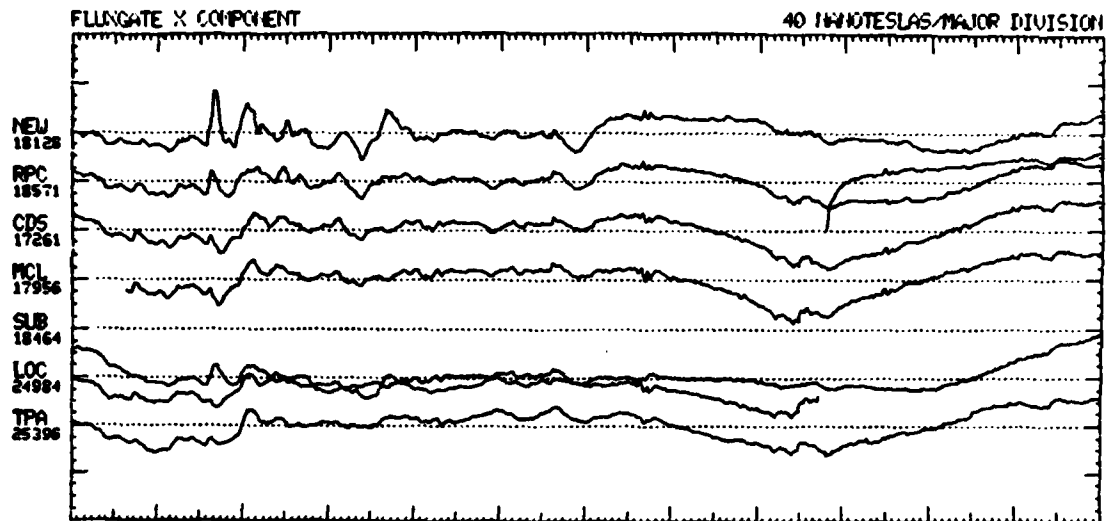


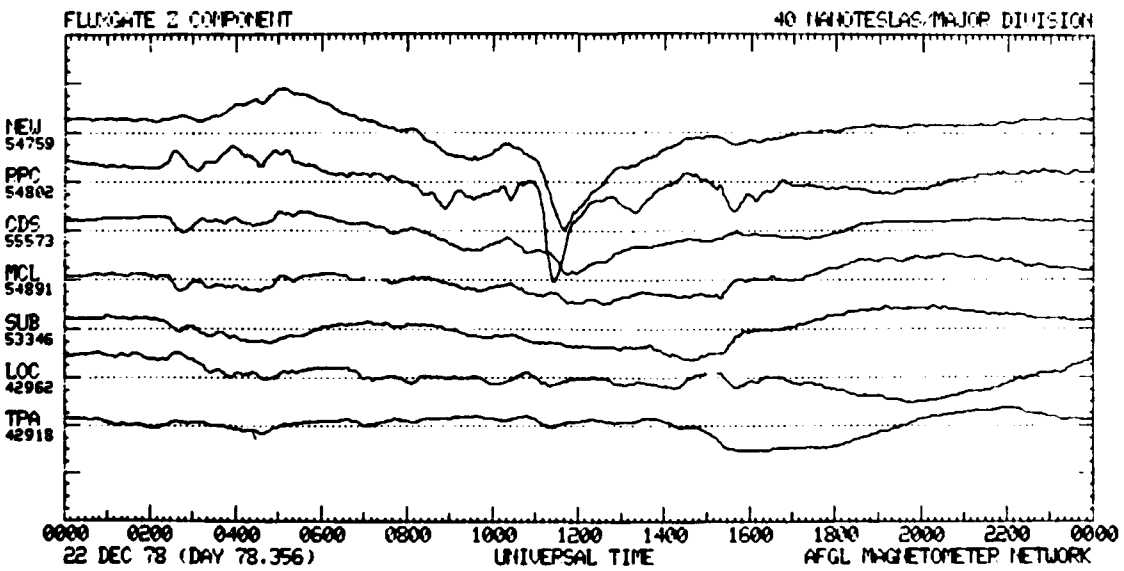
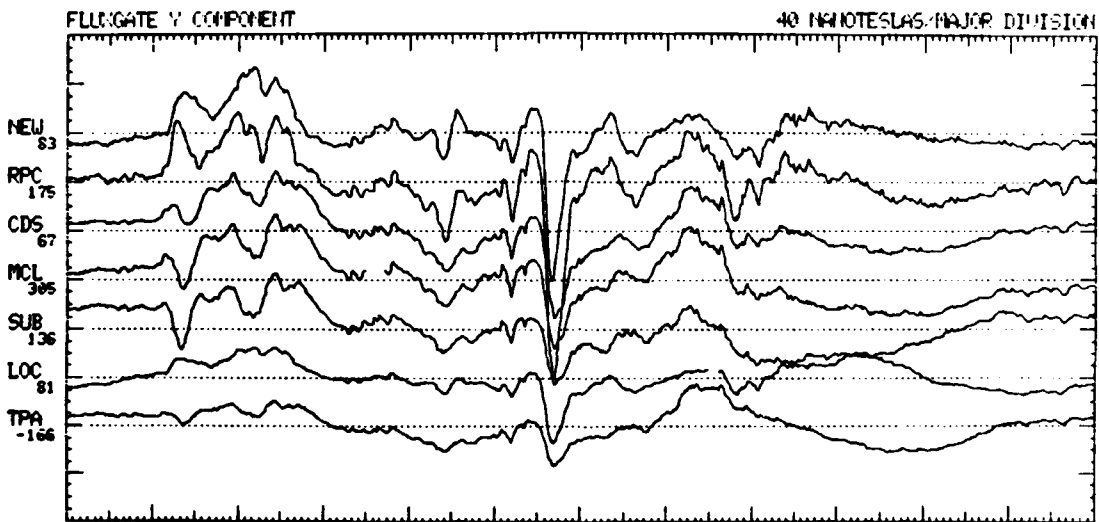
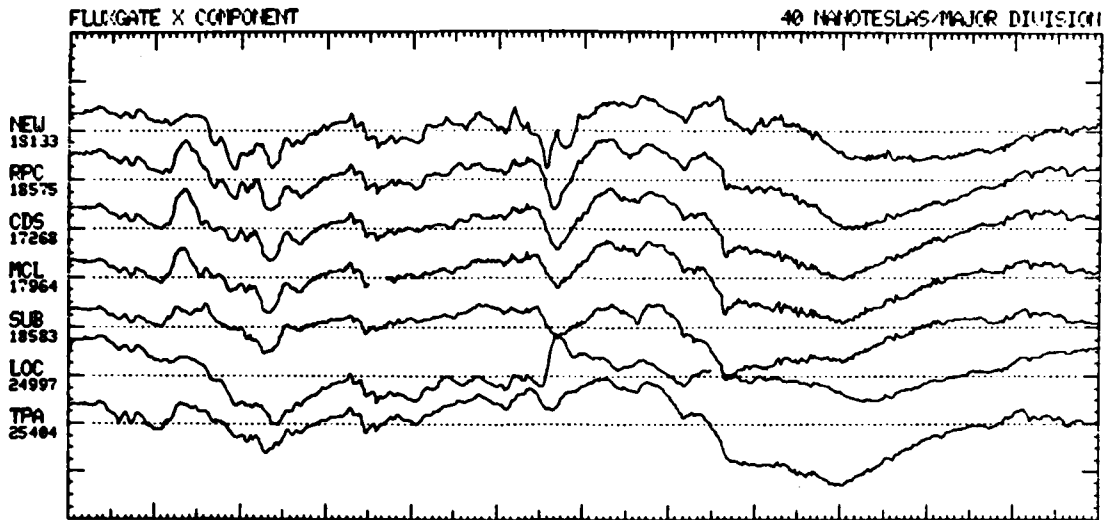


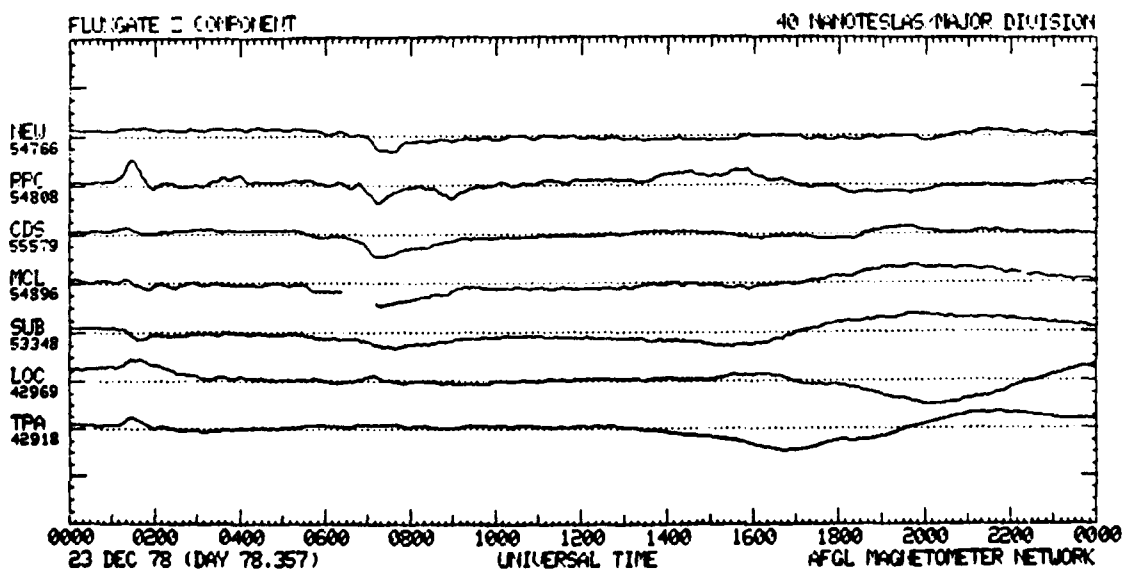
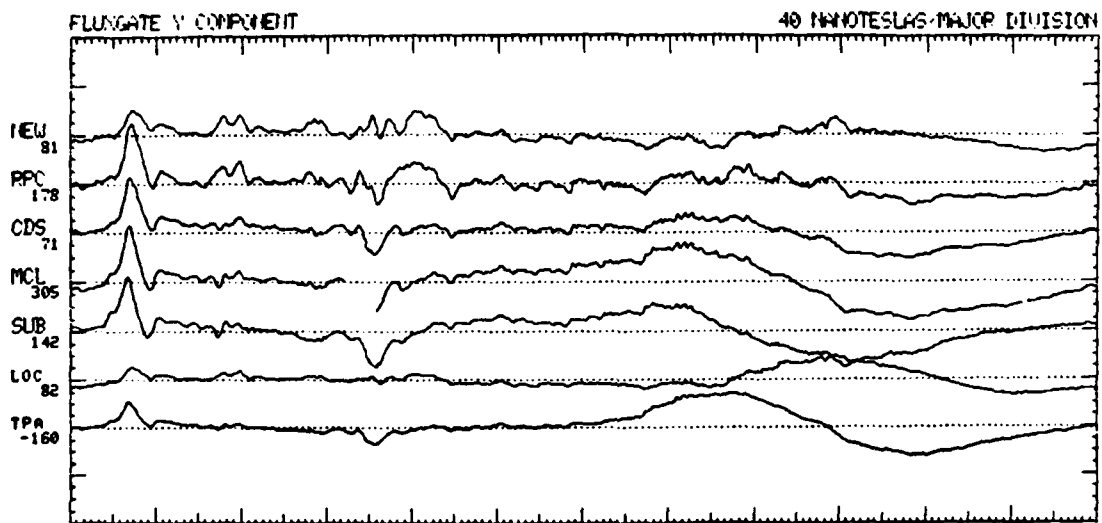
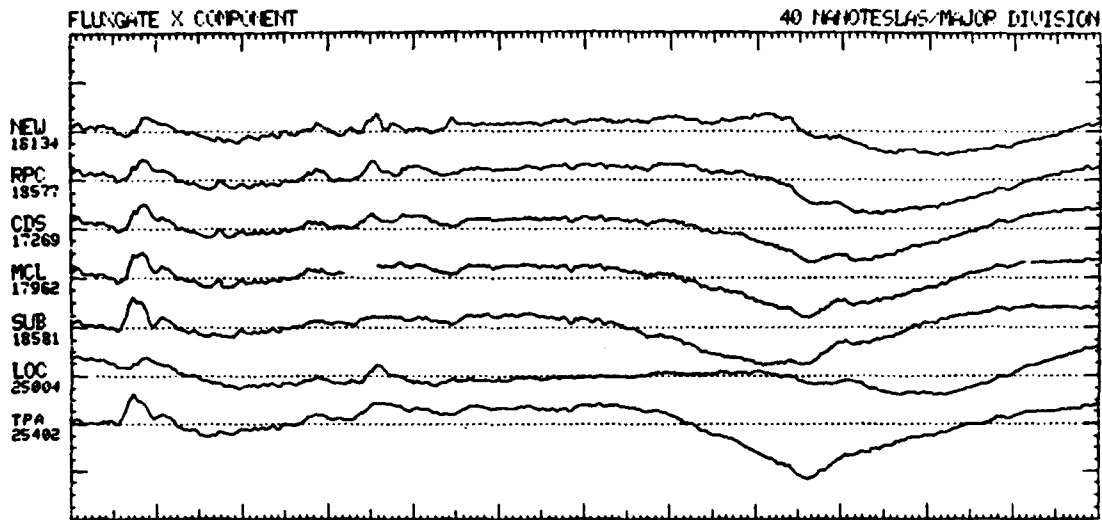


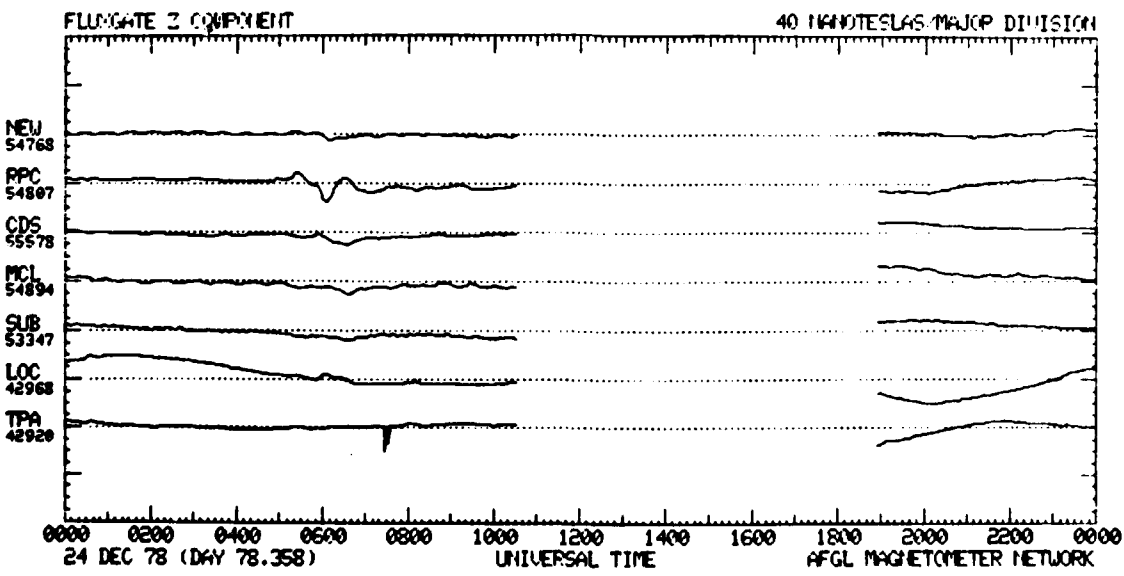
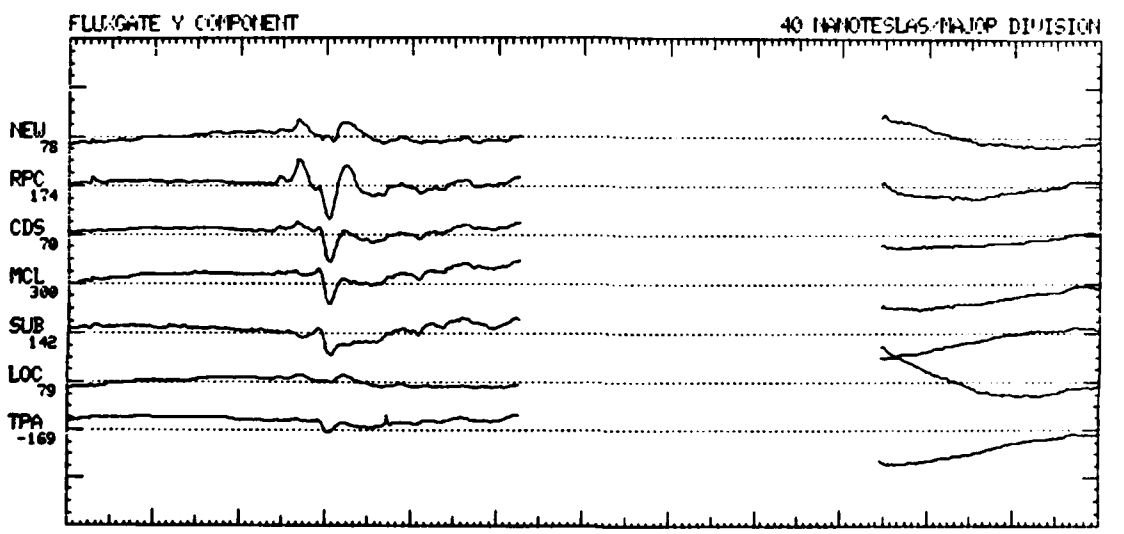
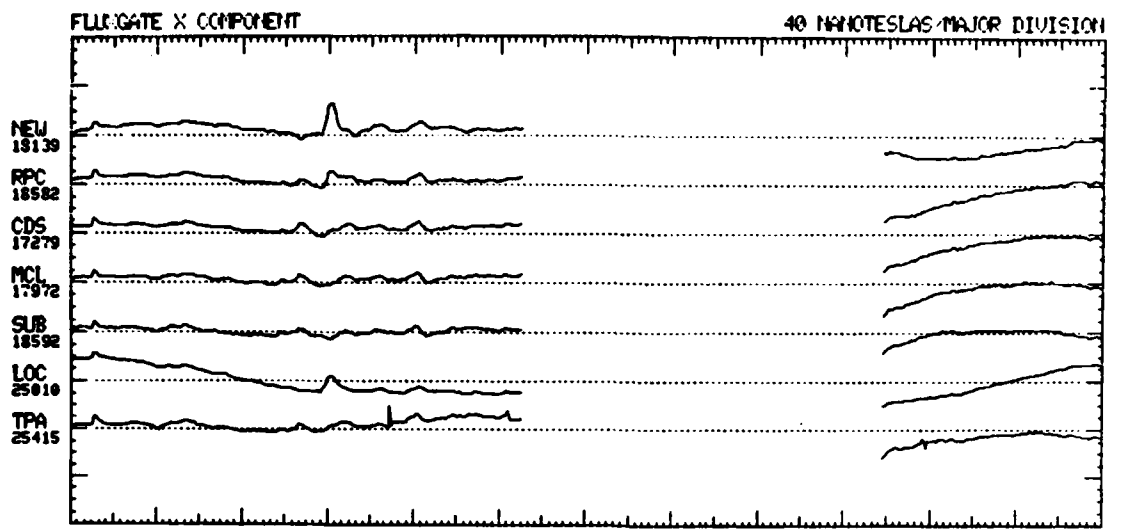


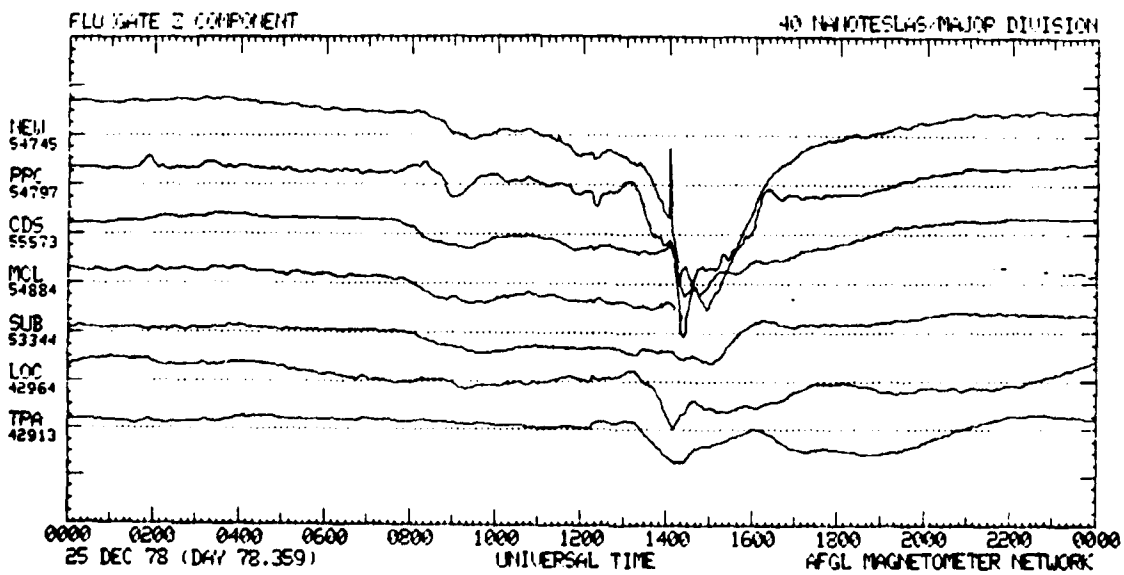
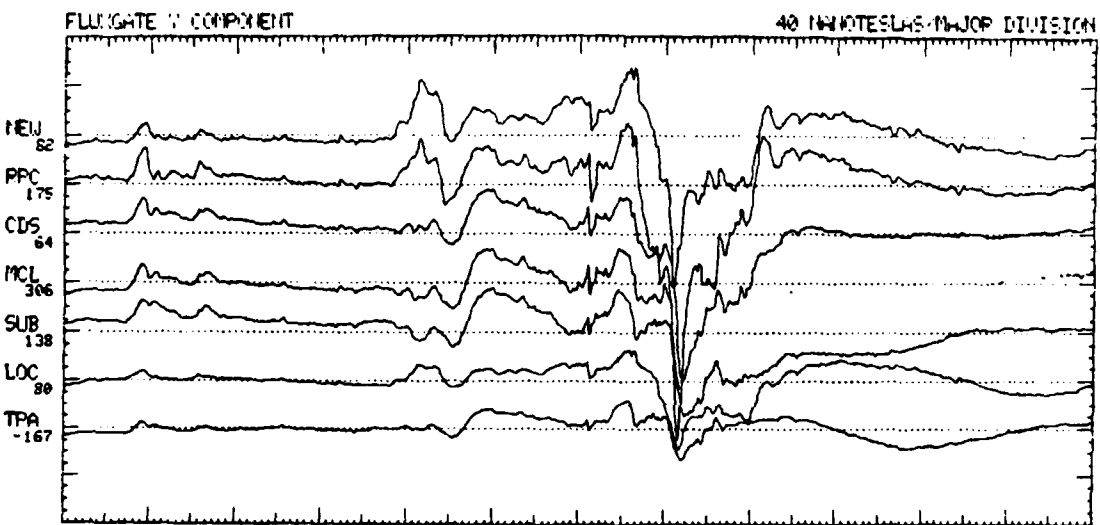
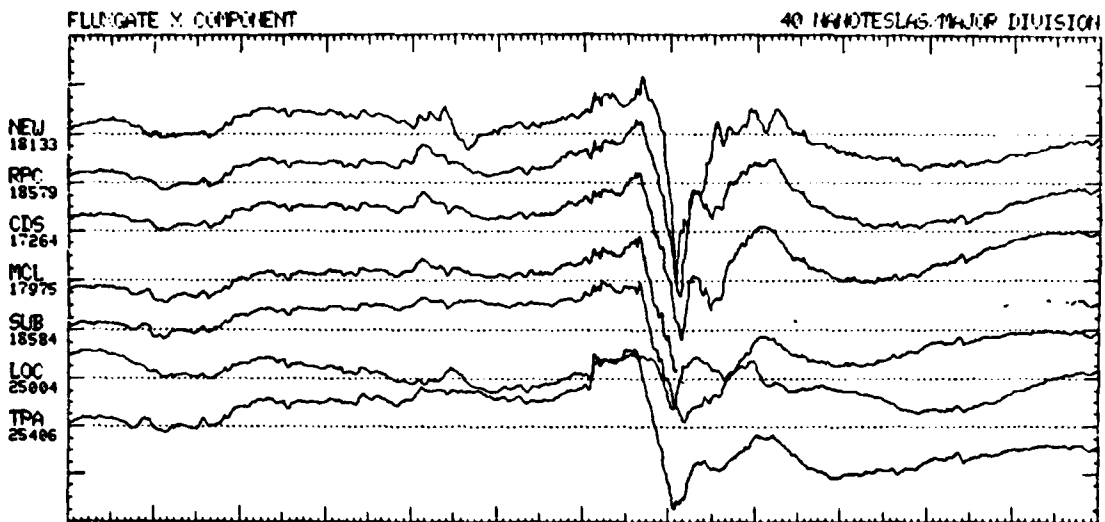








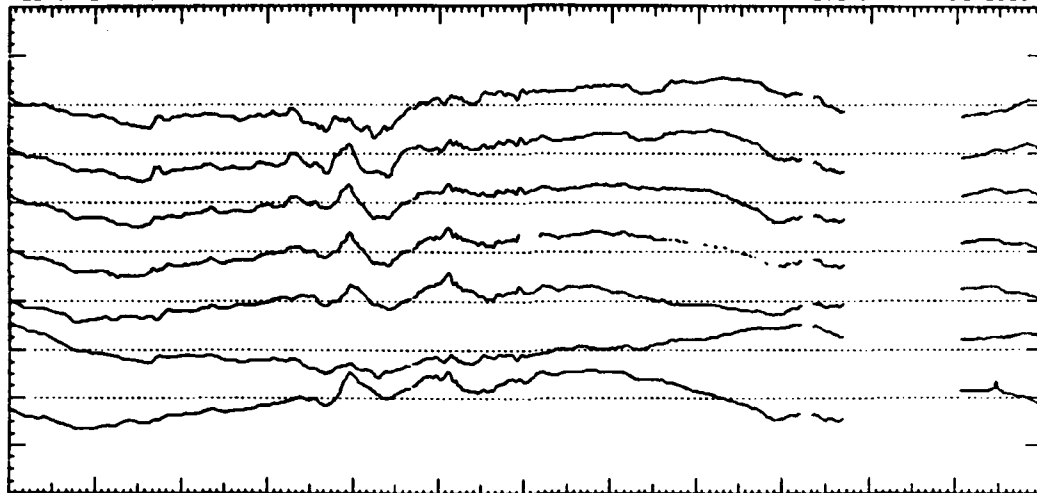




FLUGATE X COMPONENT

40 NANOTESLAS MAJOR DIVISION

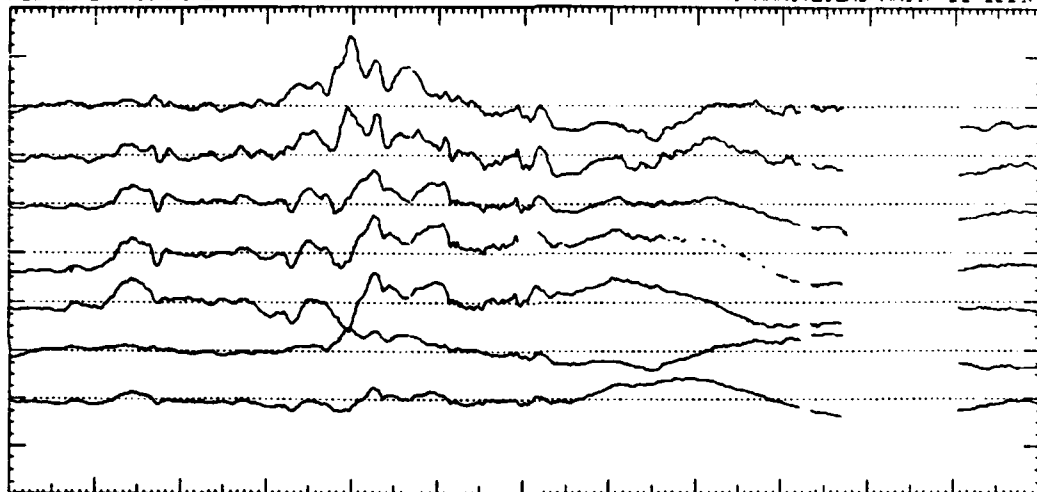
NEU
18126
RPC
18569
CDS
17257
MCL
17955
SUB
18581
LOC
24989
TPA
25398



FLUGATE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

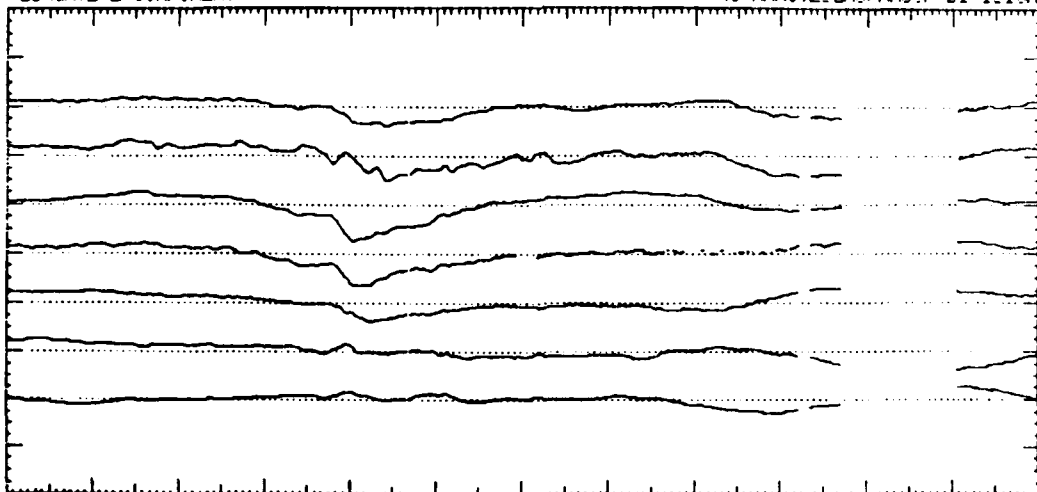
NEU
76
RPC
150
CDS
71
MCL
329
SUB
146
LOC
82
TPA
-161



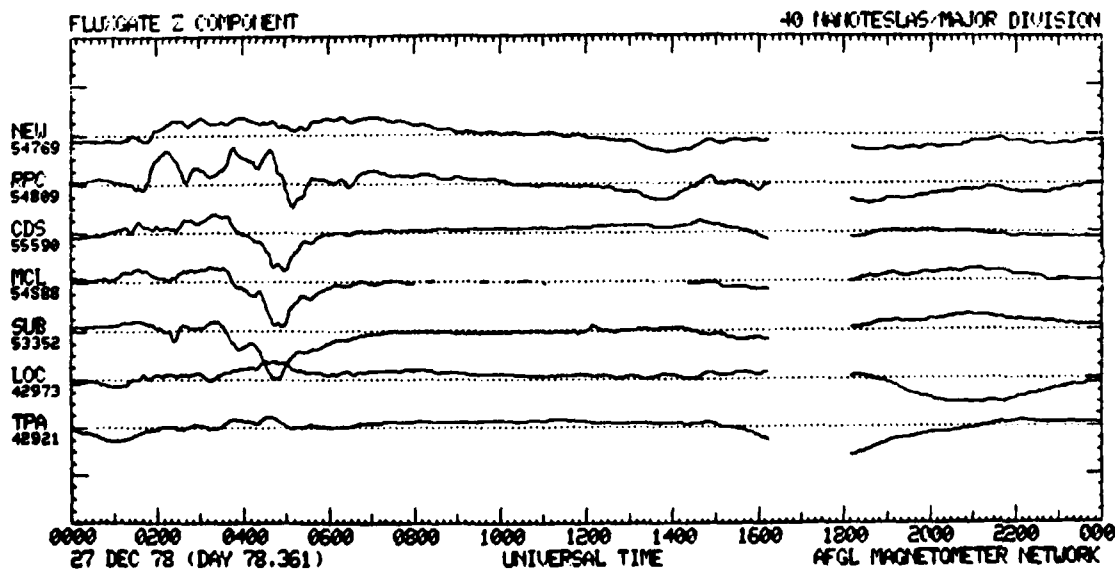
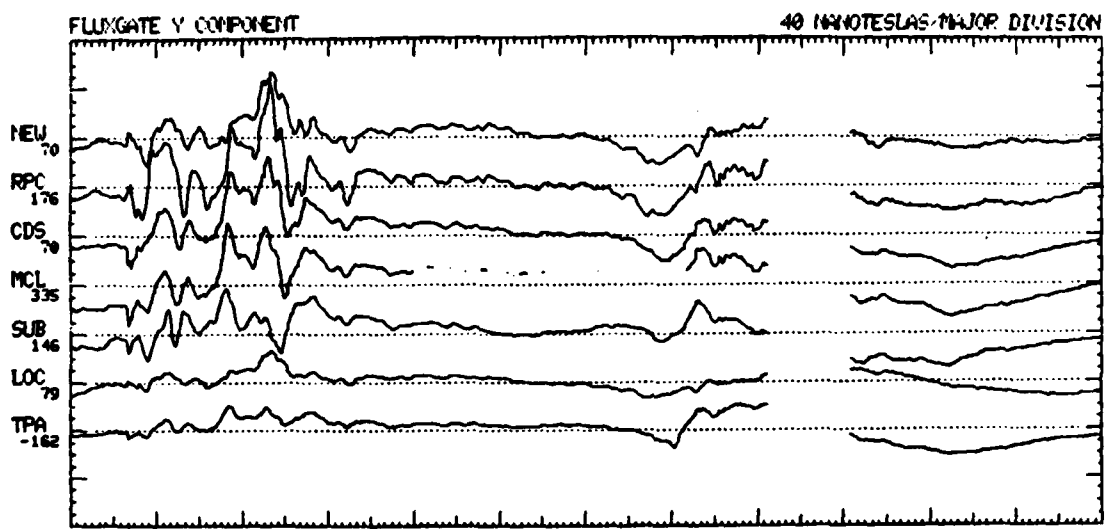
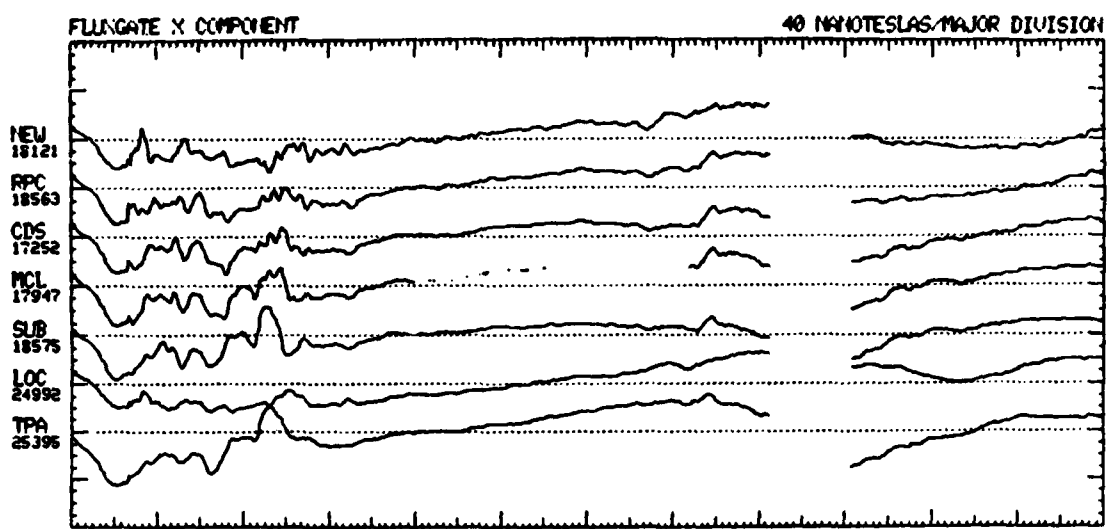
FLUGATE Z COMPONENT

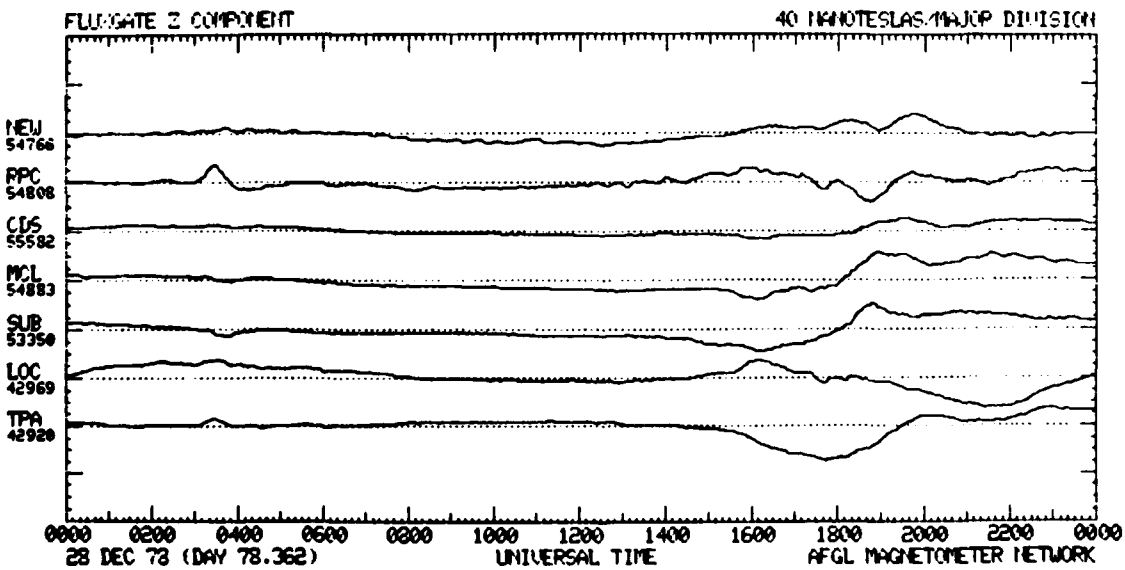
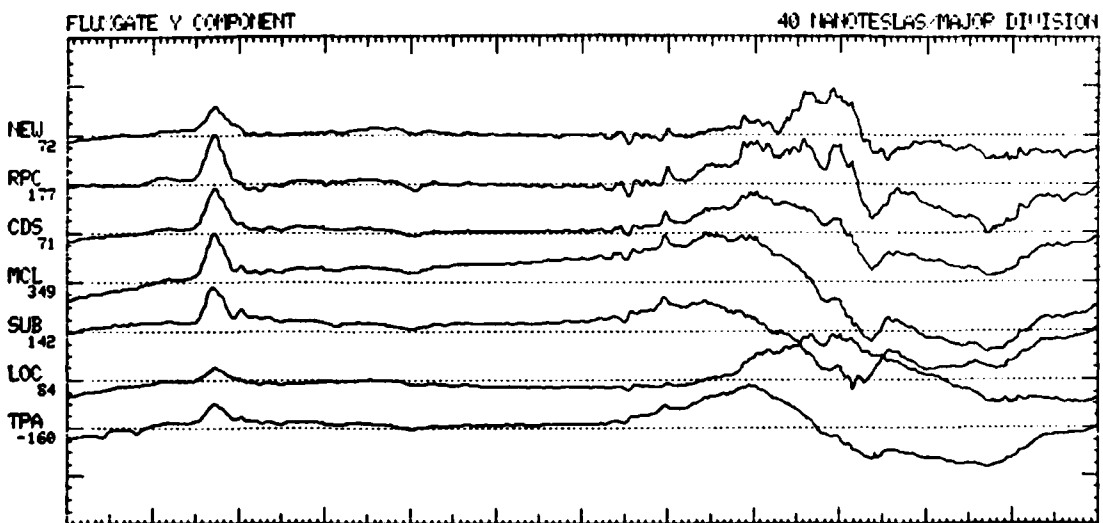
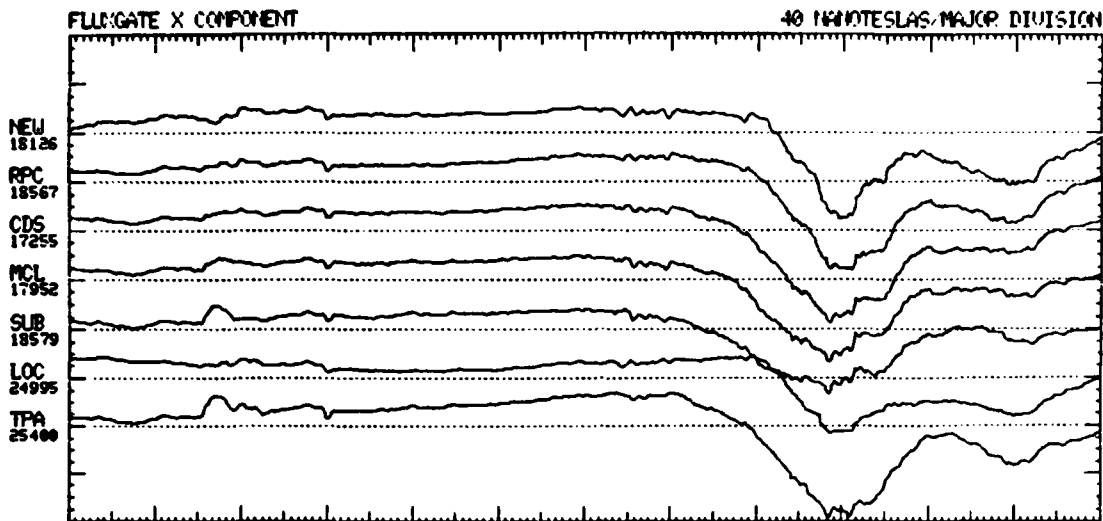
40 NANOTESLAS MAJOR DIVISION

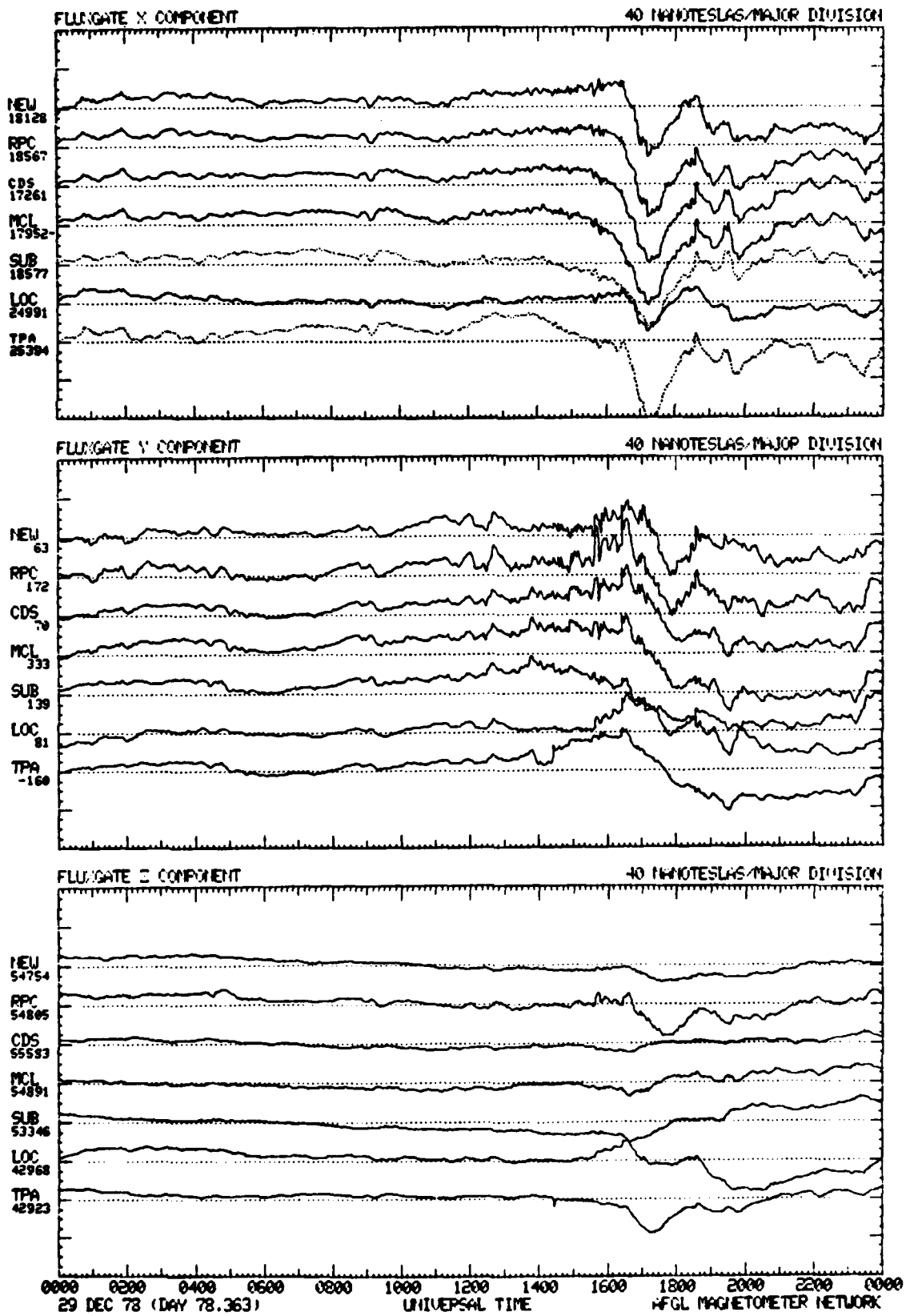
NEU
54760
RPC
54806
CDS
55583
MCL
54885
SUB
53349
LOC
42972
TPA
42920



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
26 DEC 78 (DAY 78.360) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



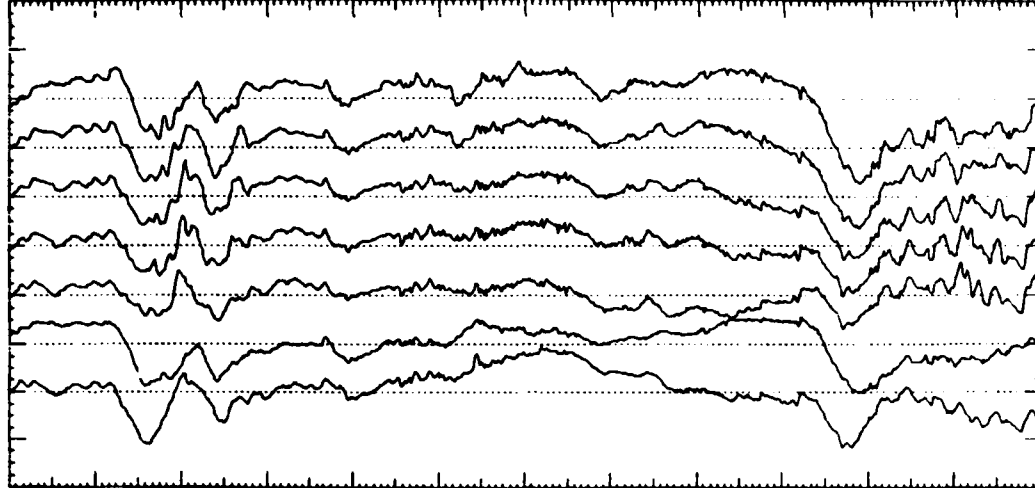




FLUGATE X COMPONENT

40 NANOTESLAS MAJOR DIVISION

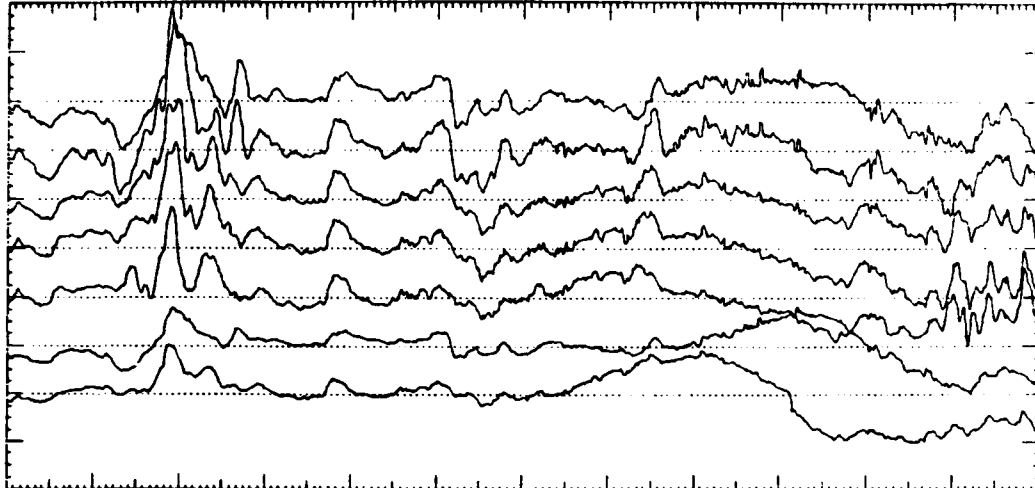
NEU
18117
PPC
18557
CDS
17255
MCL
17948
SUB
1857
LOC
24982
TPA
25384



FLUGATE Y COMPONENT

40 NANOTESLAS MAJOR DIVISION

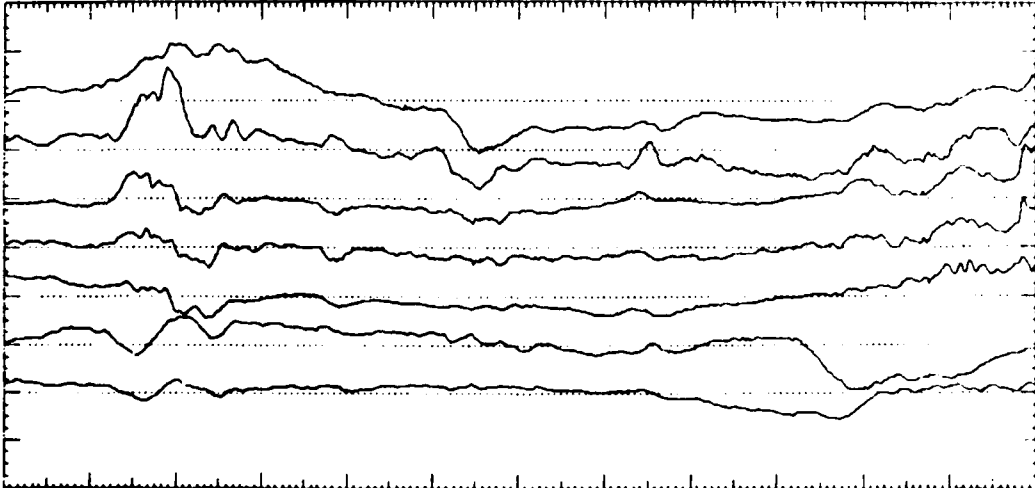
NEU
59
PPC
171
CDS
71
MCL
318
SUB
144
LOC
78
TPA
-159



FLUGATE Z COMPONENT

40 NANOTESLAS MAJOR DIVISION

NEU
54751
PPC
54808
CDS
55593
MCL
54991
SUB
53347
LOC
42968
TPA
42926

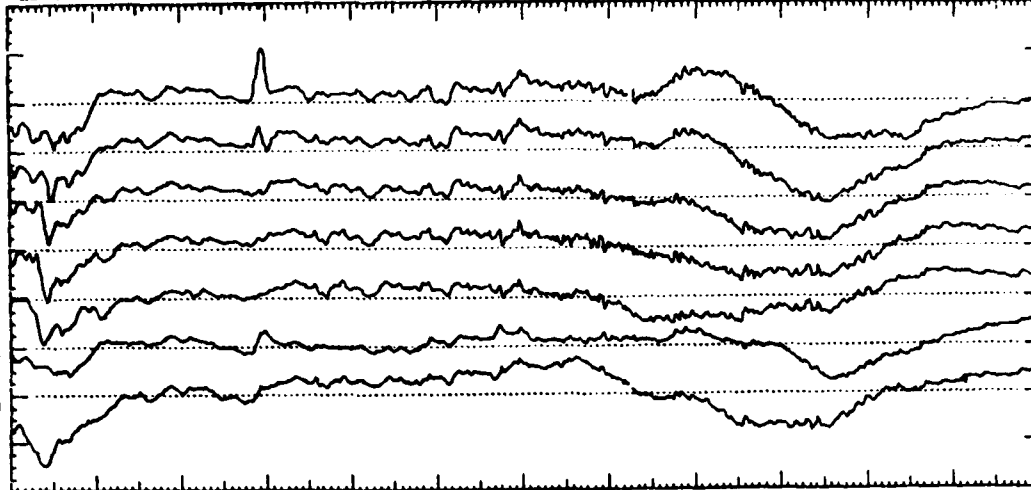


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
30 DEC 78 (DAY 78.364) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLIGHT X COMPONENT

40 INNOTESLAS-MAJOR DIVISION

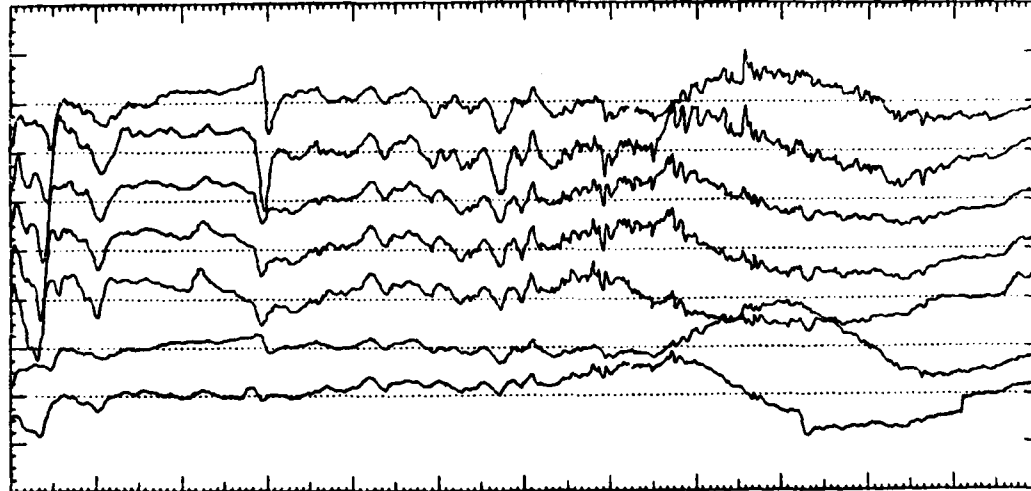
NEU
18121
RPC
18557
CDS
17245
MCL
17948
SUB
18572
LOC
24982
TPA
25383



FLIGHT Y COMPONENT

40 INNOTESLAS-MAJOR DIVISION

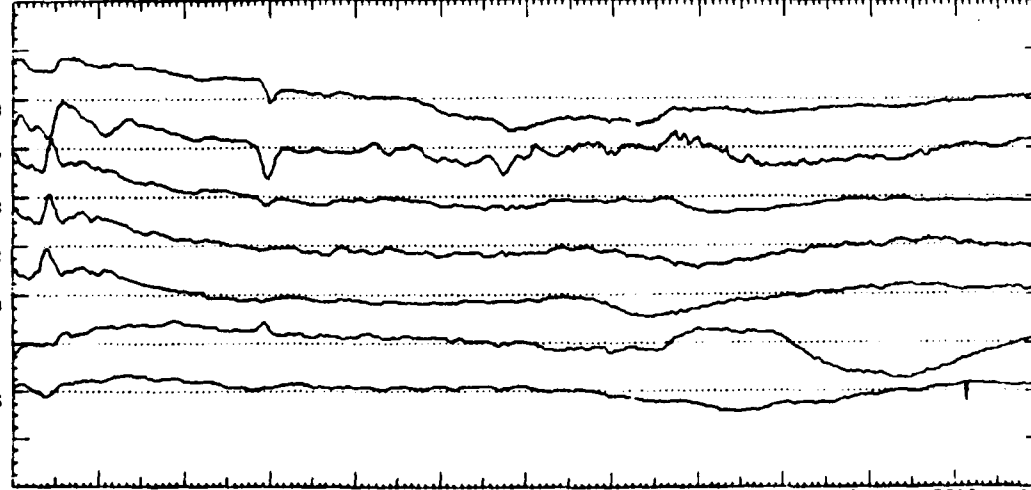
NEU
59
RPC
169
CDS
67
MCL
362
SUB
140
LOC
81
TPA
-166



FLIGHT Z COMPONENT

40 INNOTESLAS-MAJOR DIVISION

NEU
54743
RPC
54887
CDS
55598
MCL
54902
SUB
53353
LOC
42971
TPA
42926



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
31 DEC 78 (DAY 78.365) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

8. SUPPLEMENTARY PLOTS AT REDUCED AMPLITUDE

This section presents a stacked-magnetogram plot for each of the following days of 1978, using an amplitude scale of 160 or 400 nT per major division:

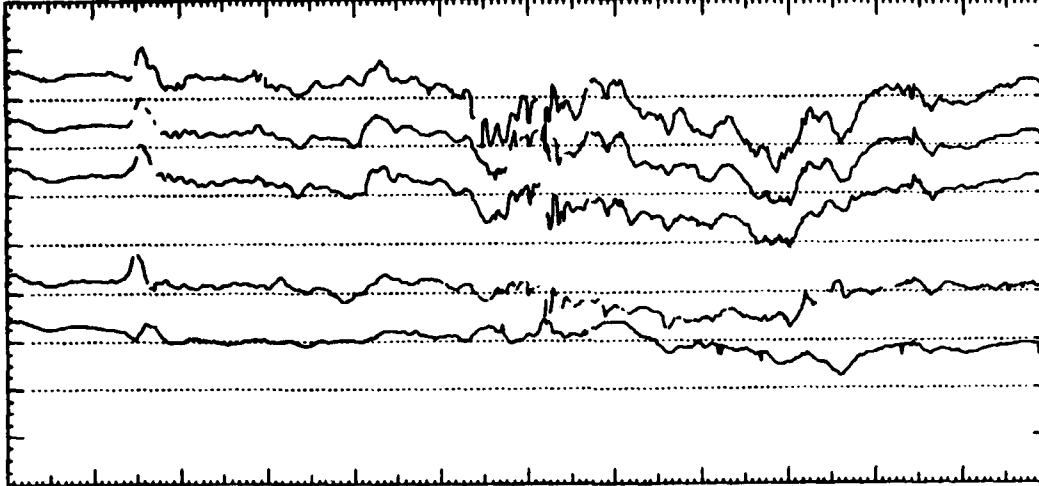
January	04, 05, 06, 29, 30
February	none
March	27
April	04, 05, 10, 11, 12, 14, 20, 24, 30
May	01, 02, 03, 04, 09, 30, 31
June	02, 03, 04, 05, 29
July	03, 04, 05, 13, 14
August	28, 29
September	08, 27, 28, 29
October	none
November	12, 25, 26
December	15

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
18959
RPC
18456
CDS
17247

SUB
18329
LOC
25957

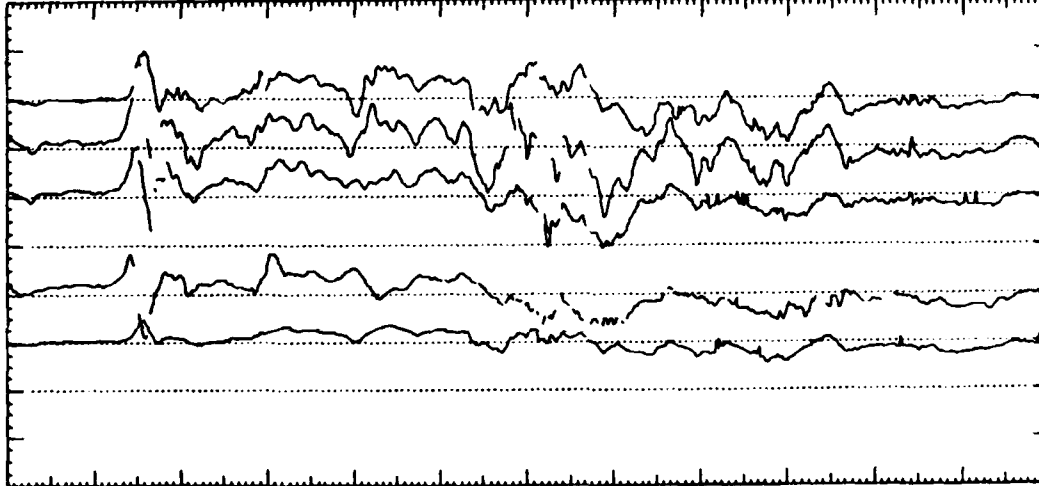


FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
70
RPC
81
CDS
62

SUB
-210
LOC
75

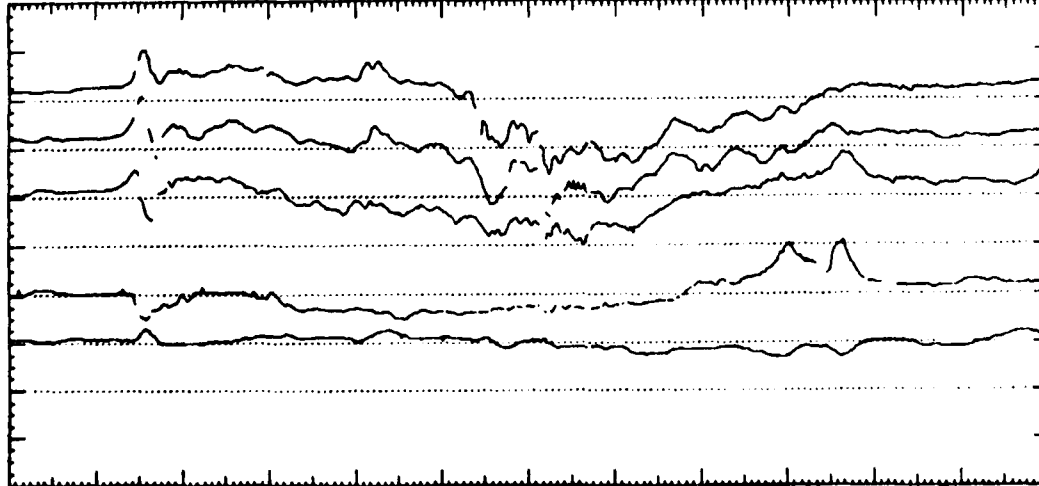


FLUXGATE Z COMPONENT

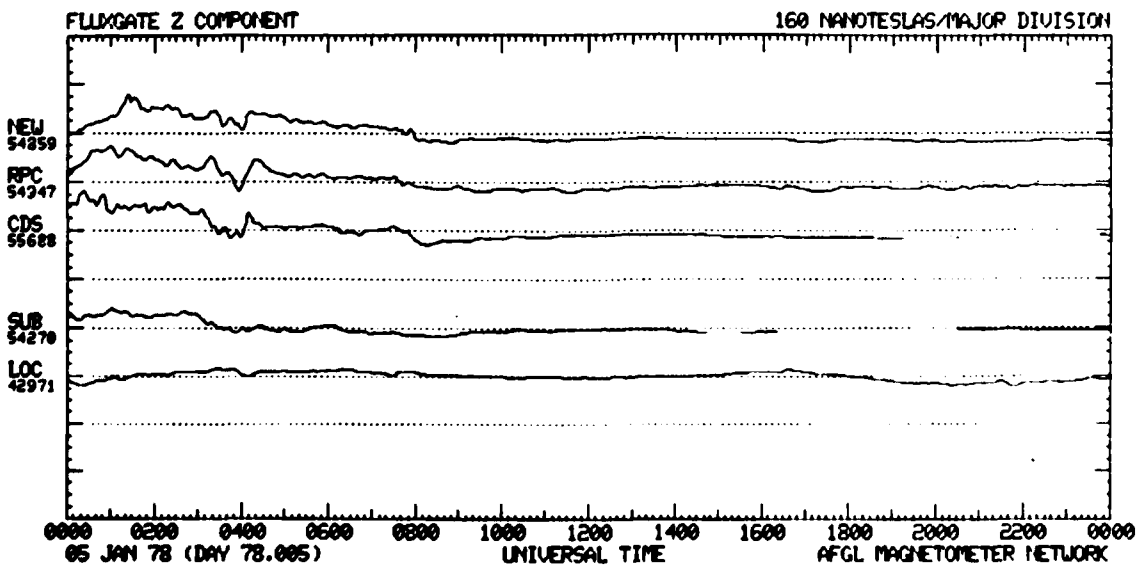
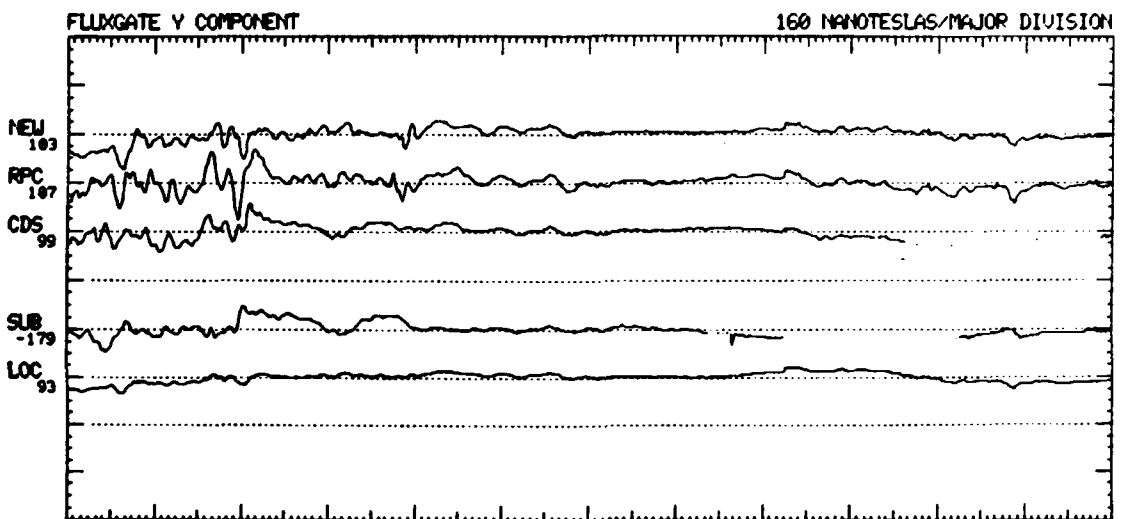
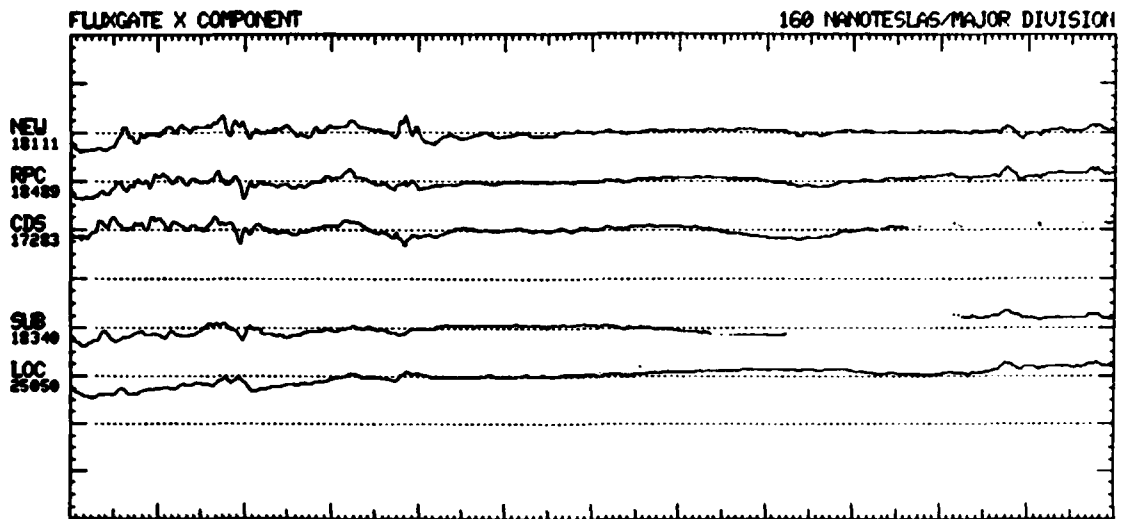
160 NANOTESLAS/MAJOR DIVISION

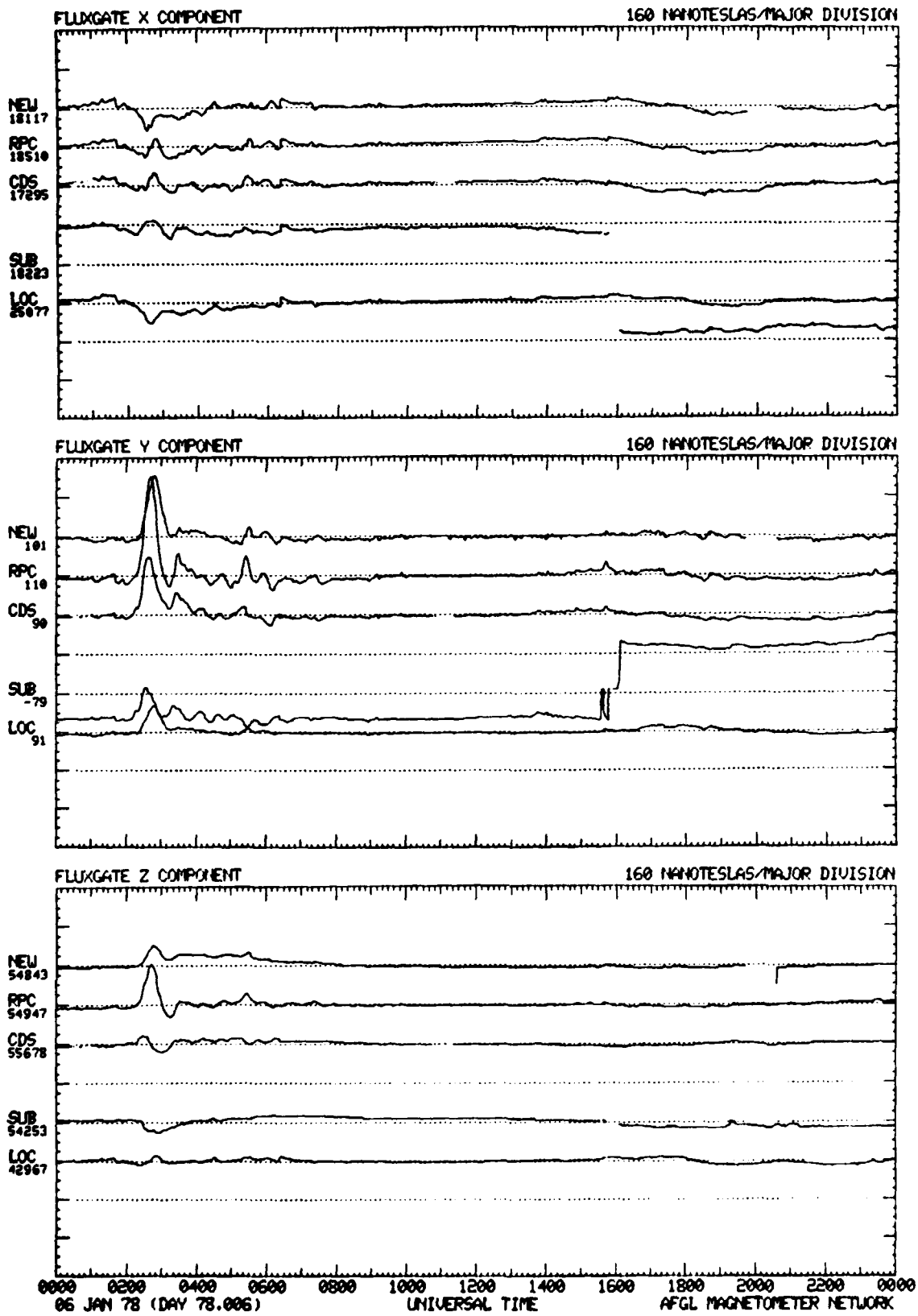
NEU
54793
RPC
54911
CDS
55661

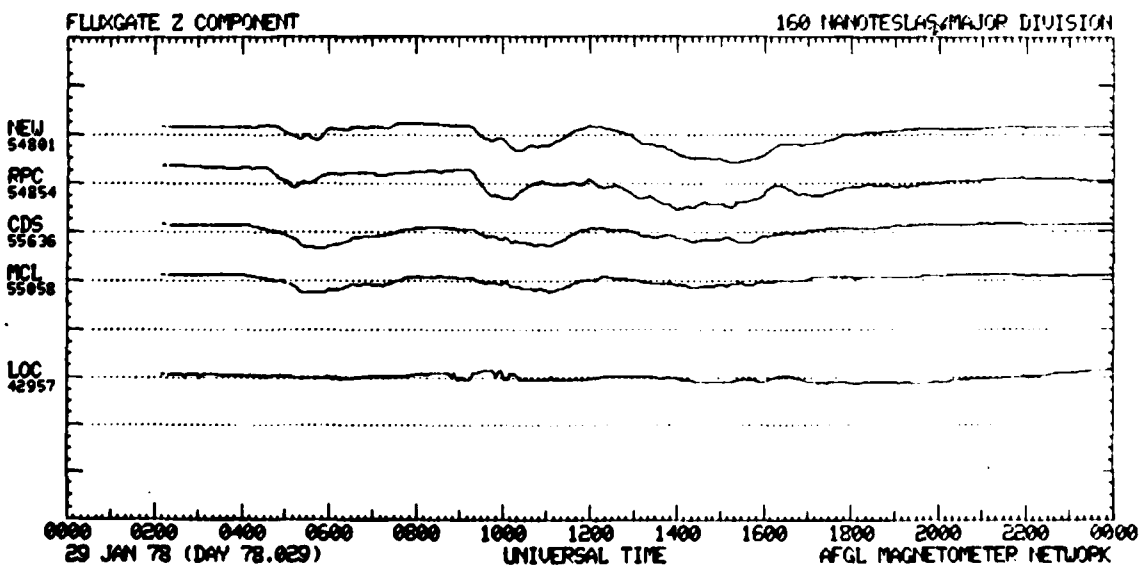
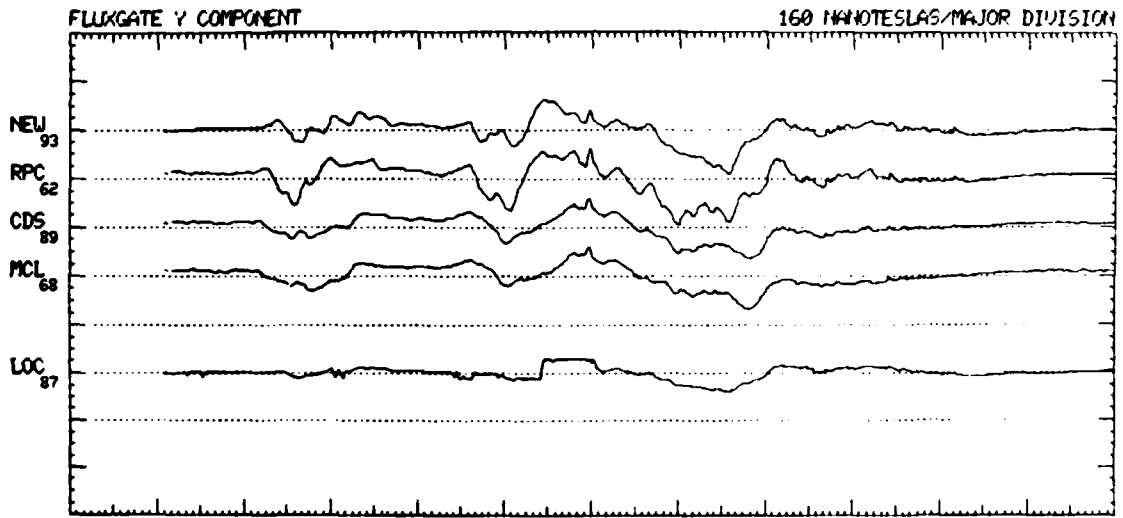
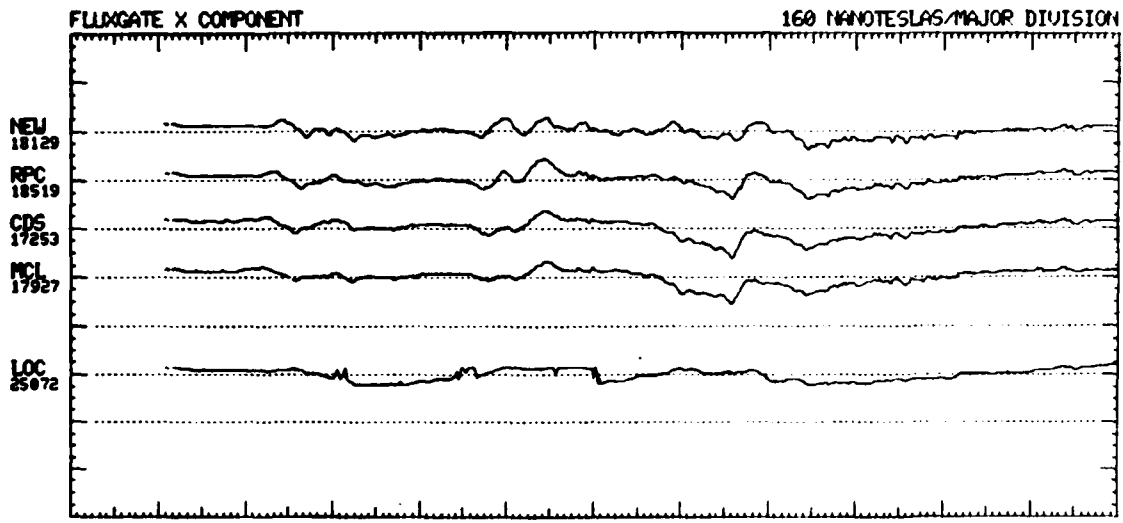
SUB
54273
LOC
42944



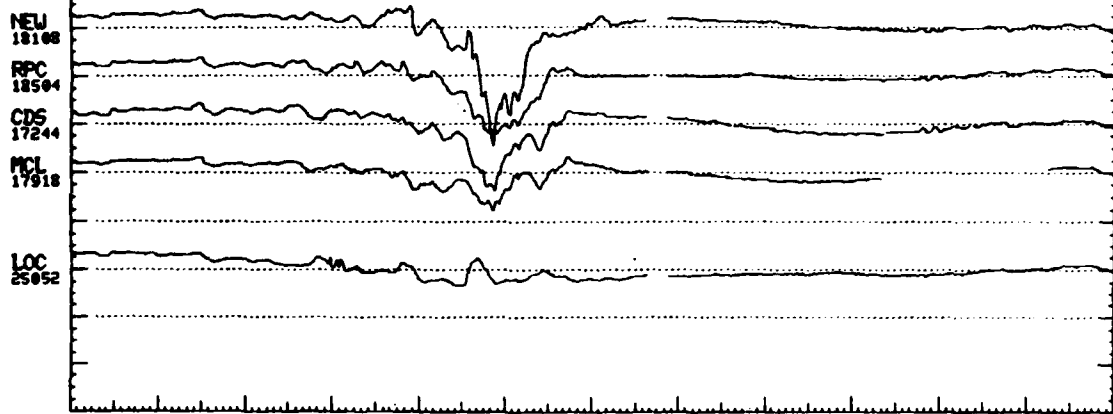
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
04 JAN 78 (DAY 78.004) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



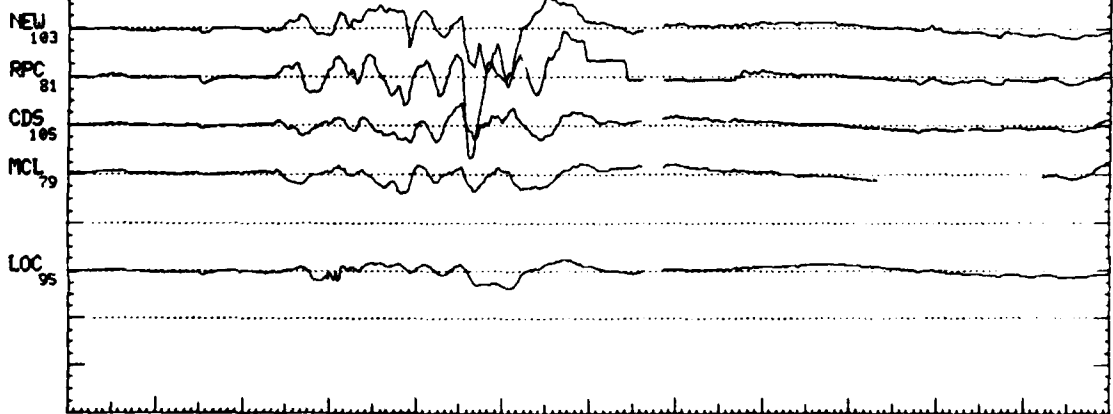




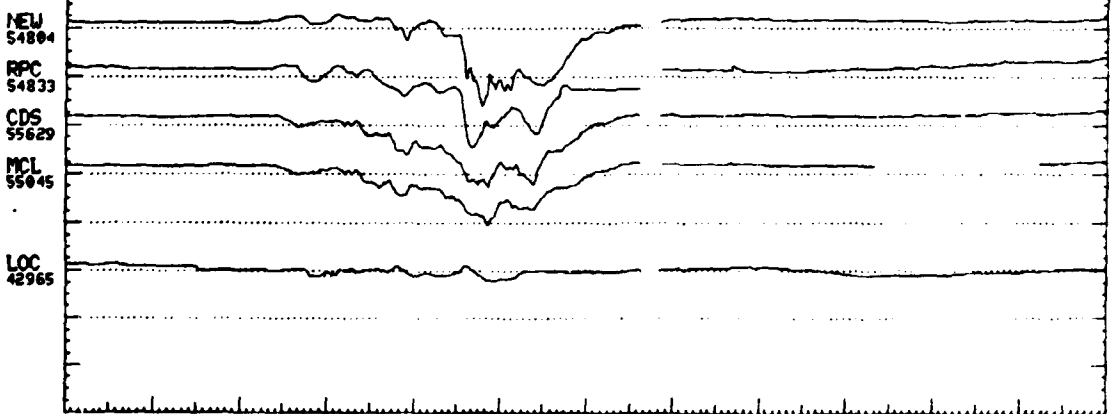
FLUXGATE X COMPONENT 160 NANOTESLAS/MAJOR DIVISION



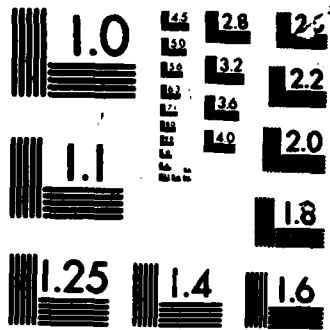
FLUXGATE Y COMPONENT 160 NANOTESLAS/MAJOR DIVISION



FLUXGATE Z COMPONENT 160 NANOTESLAS/MAJOR DIVISION



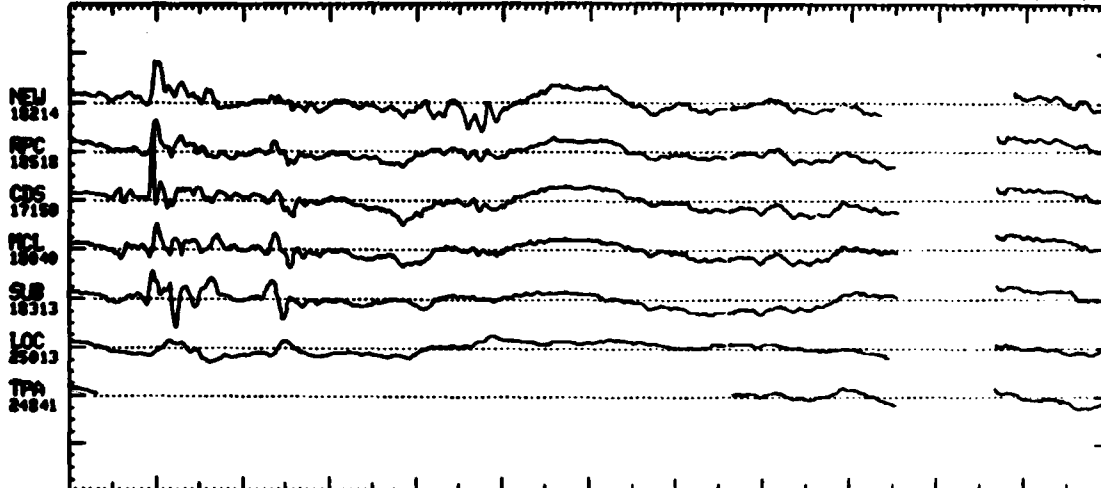
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
30 JAN 78 (DAY 78.030) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



UNIT

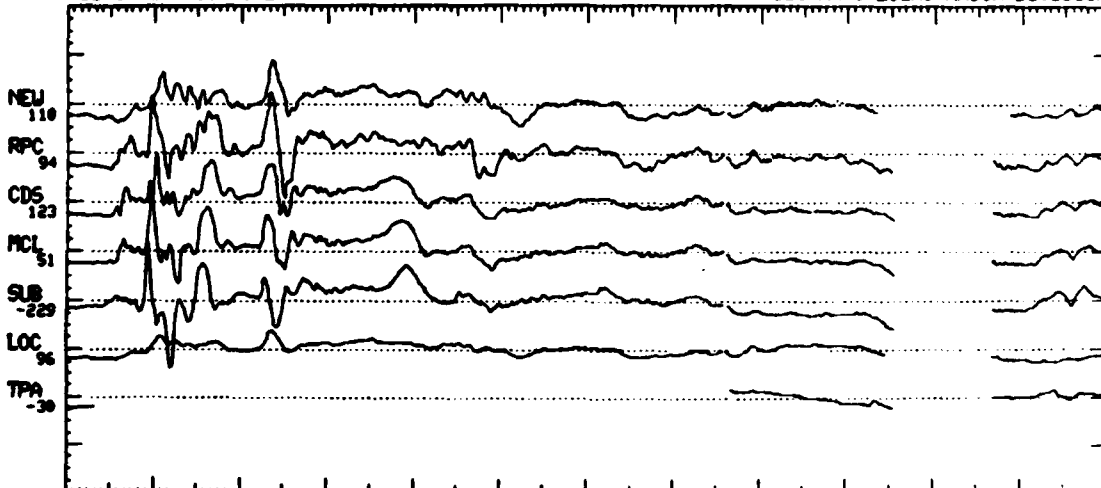
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



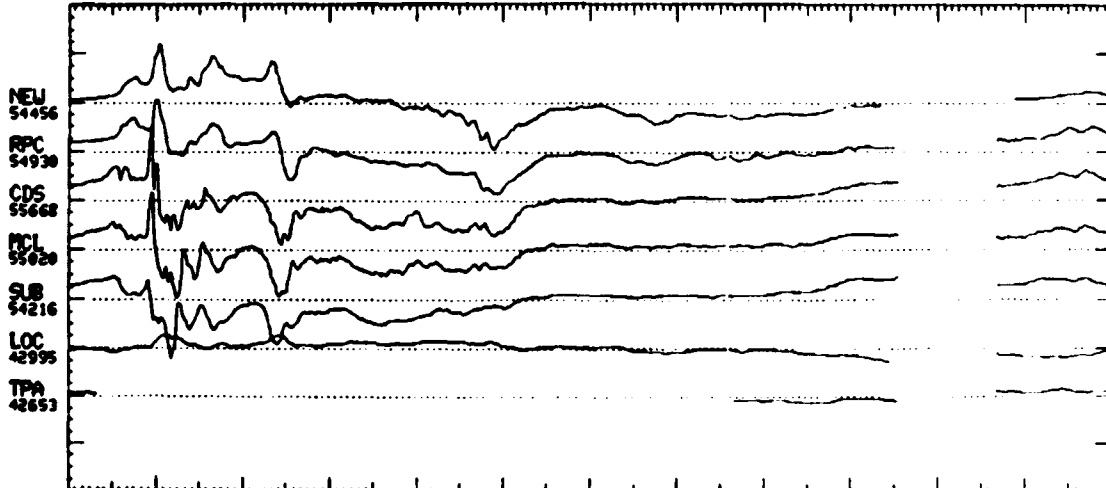
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

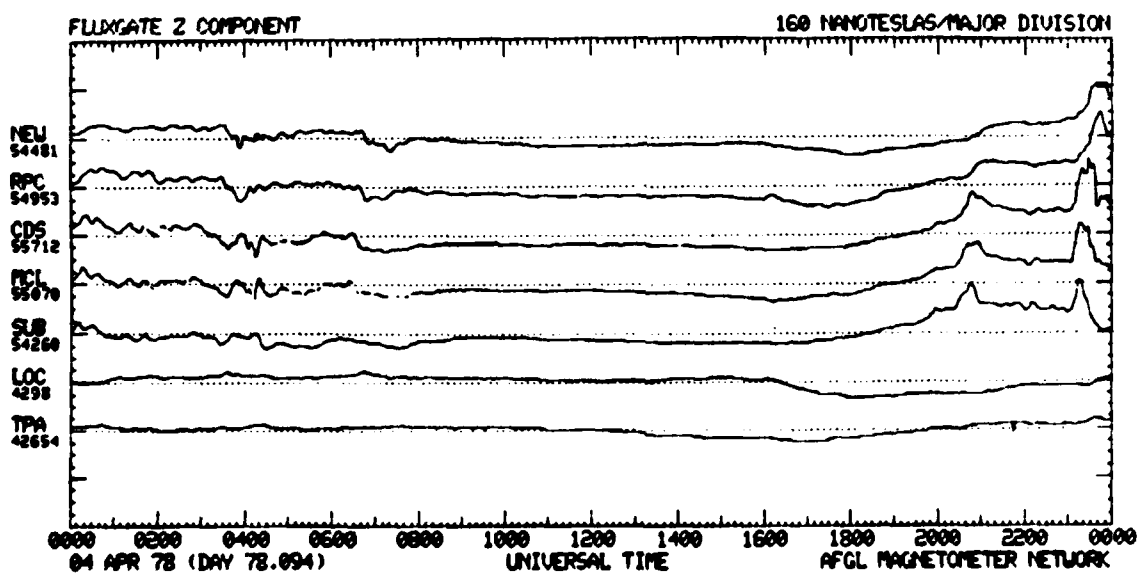
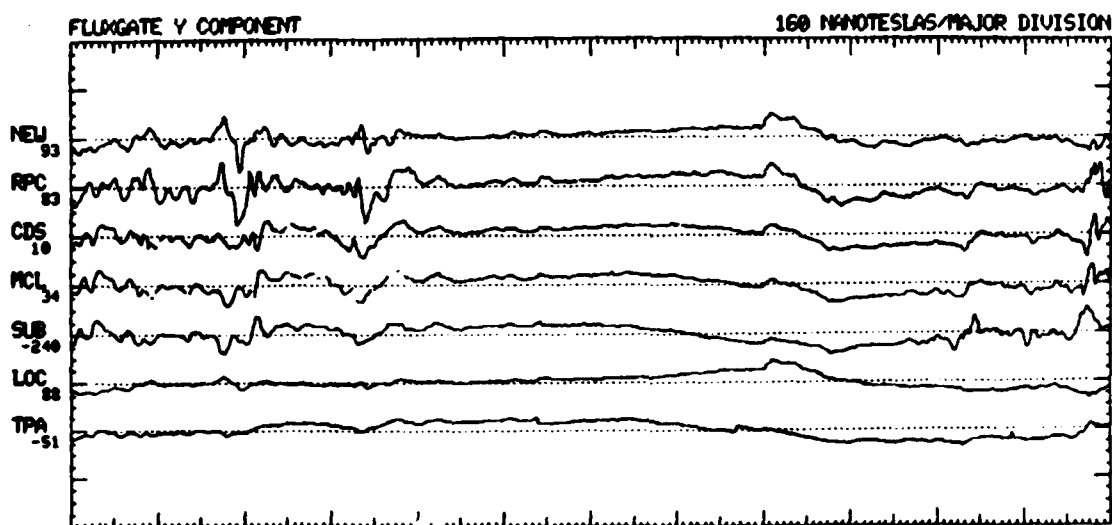
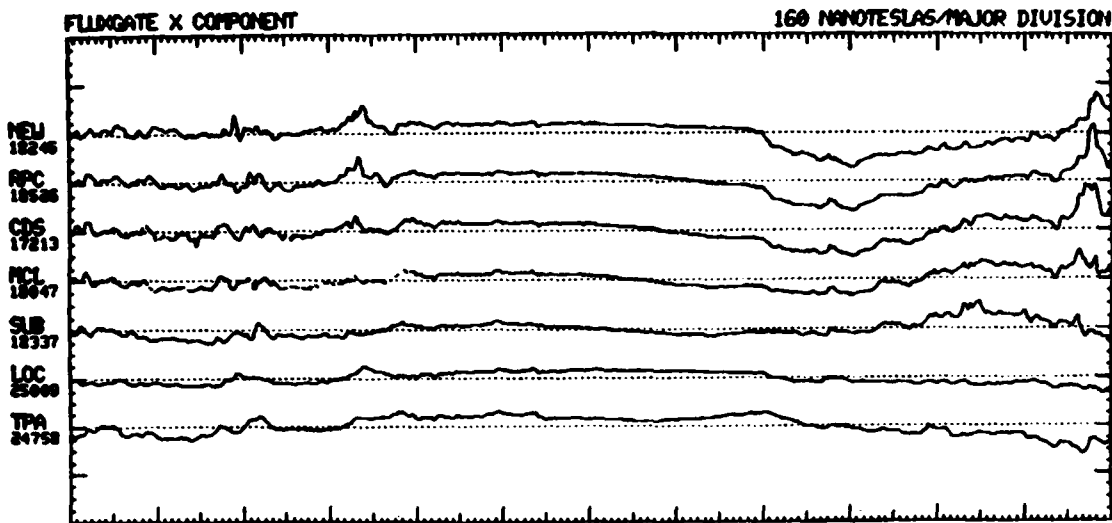


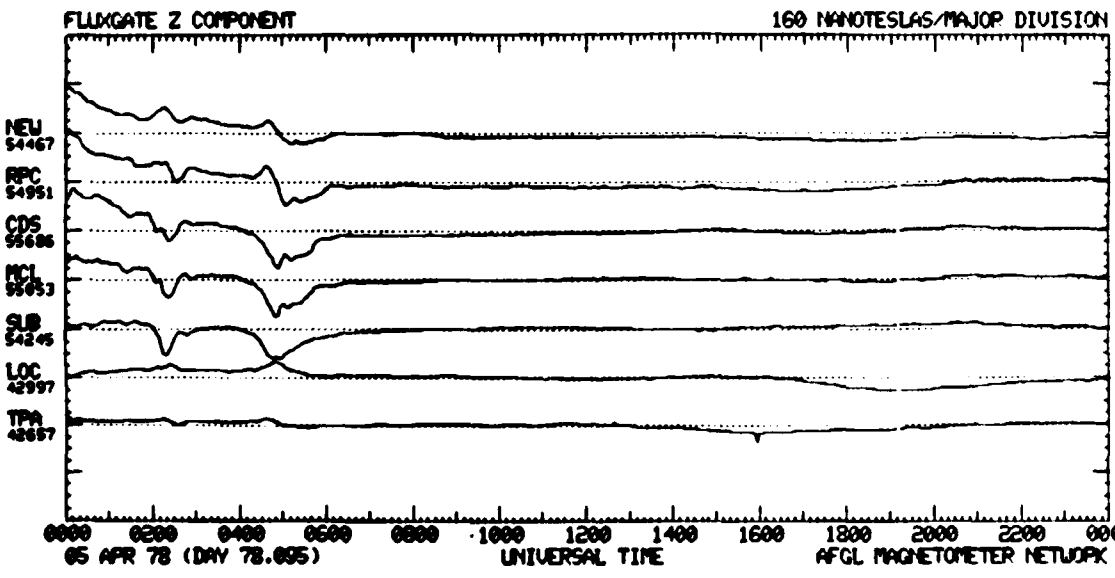
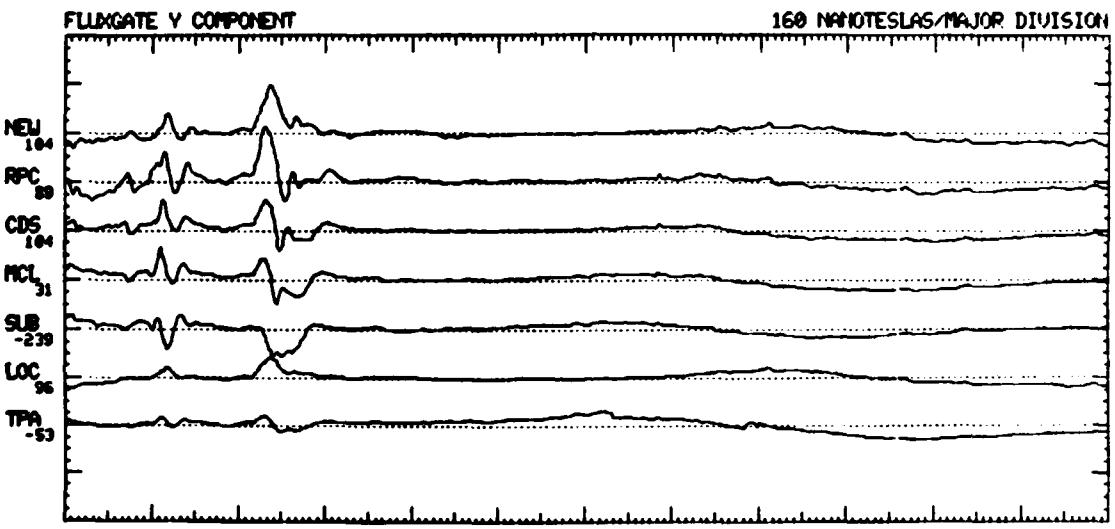
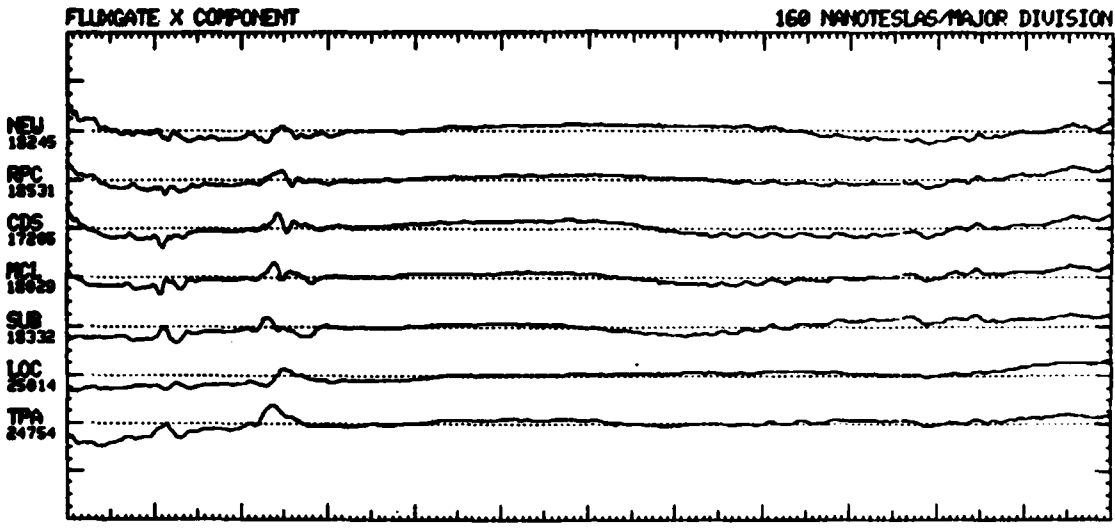
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
27 MAR 78 (DAY 78.086) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

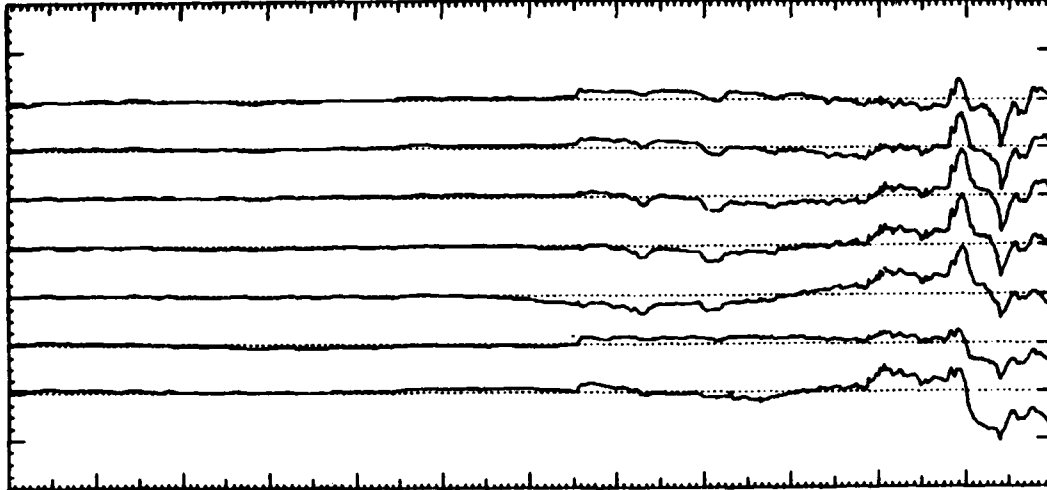




FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

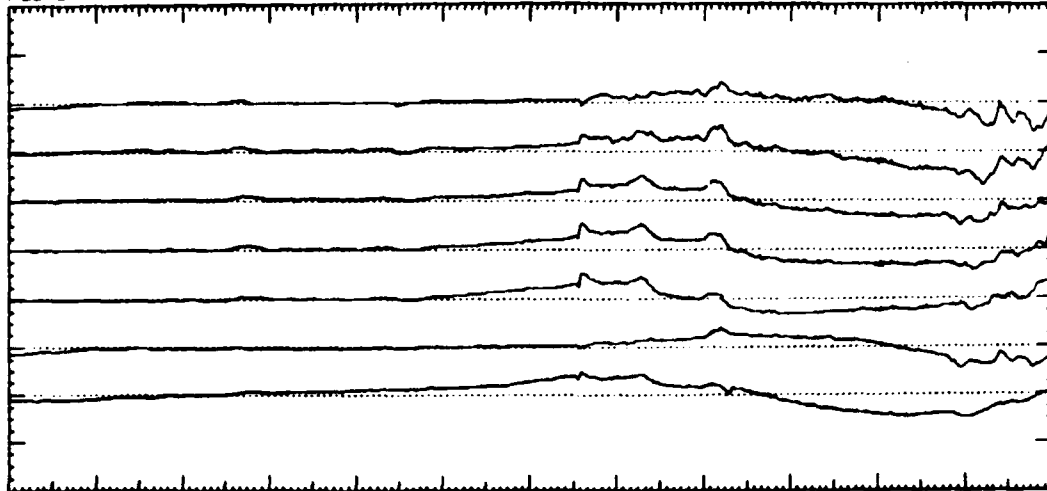
NEU
18286
RPC
18556
CDS
17842
MCL
18932
SUB
1837
LOC
25065
TPA
24704



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

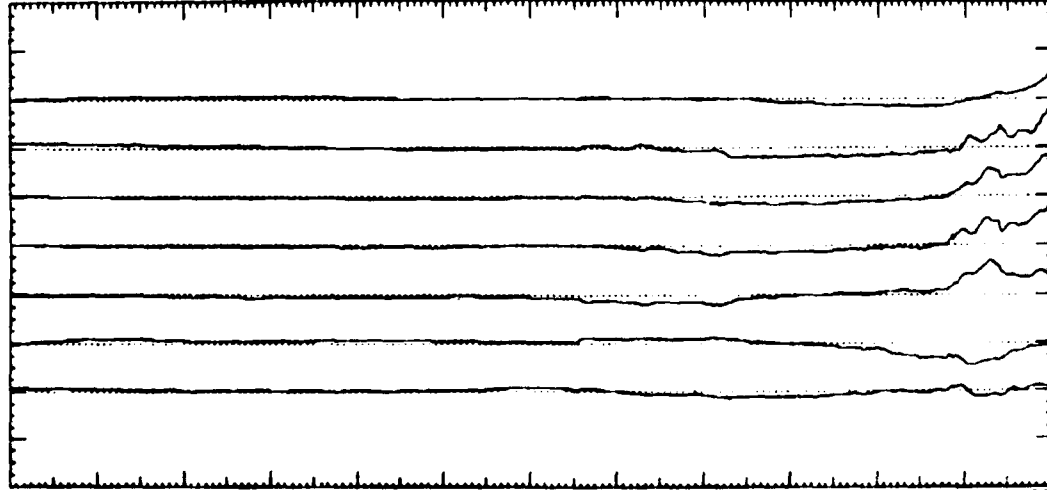
NEU
98
RPC
89
CDS
98
MCL
25
SUB
-231
LOC
94
TPA
-66



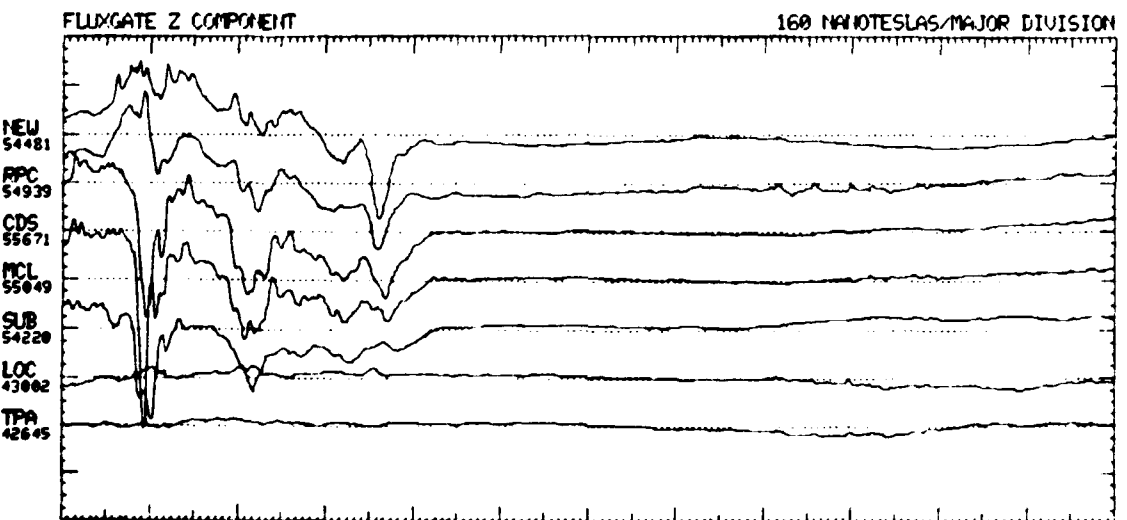
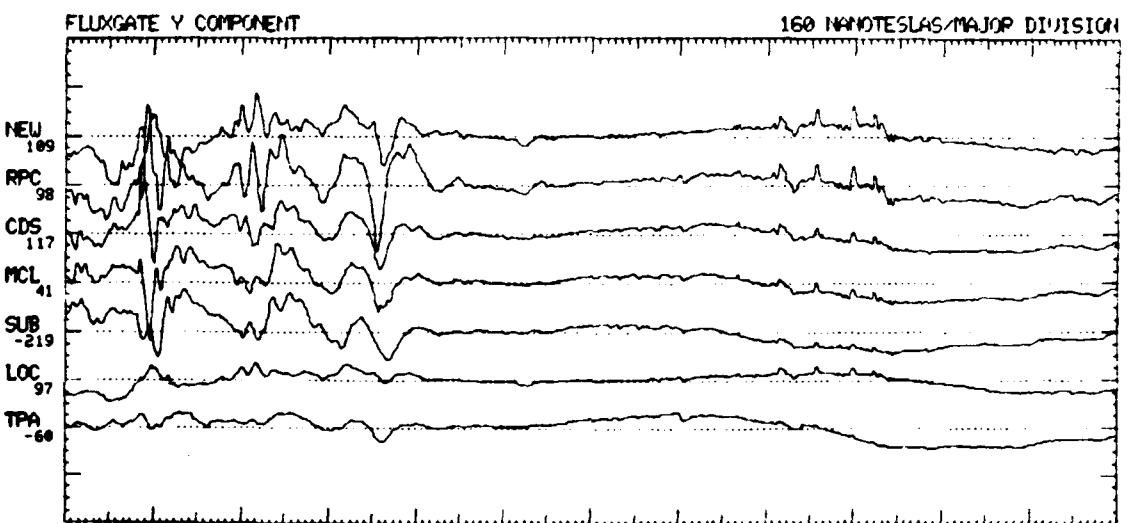
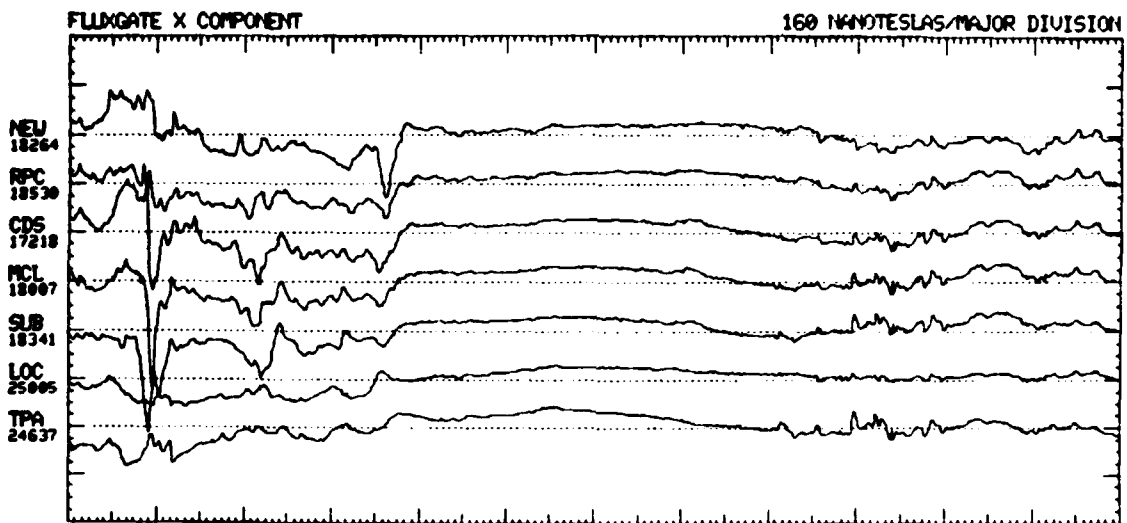
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54442
RPC
54899
CDS
55672
MCL
55958
SUB
54234
LOC
4298
TPA
42675



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
10 APR 78 (DAY 78.100) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

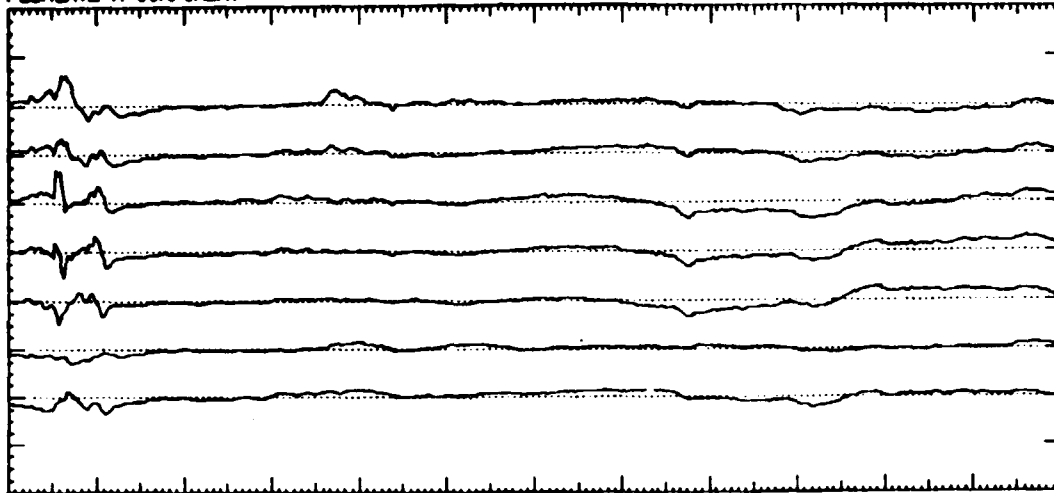


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 11 APR 78 (DAY 78.101) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

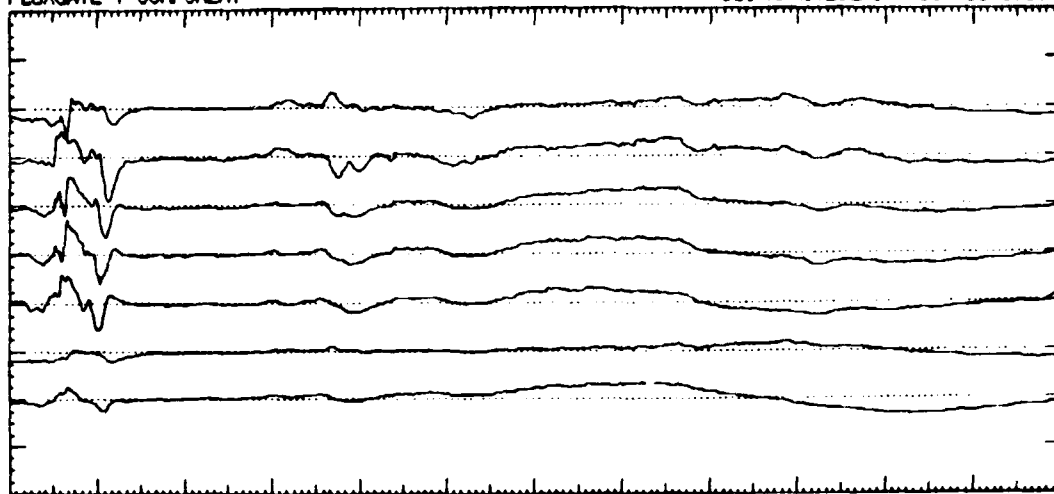
NEU
18253
RPC
1852
CDS
17207
MCL
18008
SUB
18344
LOC
25020
TPA
24638



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

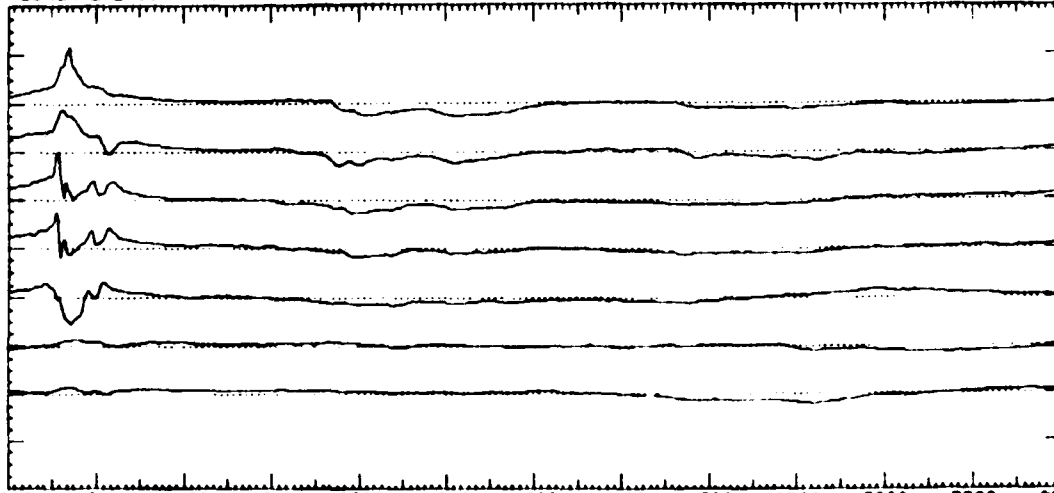
NEU
99
RPC
88
CDS
105
MCL
29
SUB
-228
LOC
94
TPA
-74



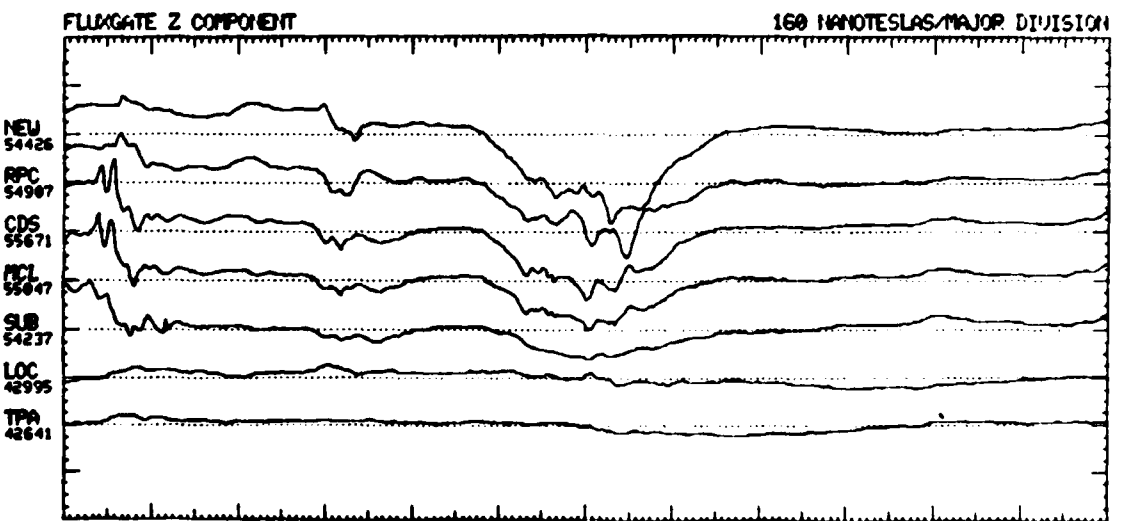
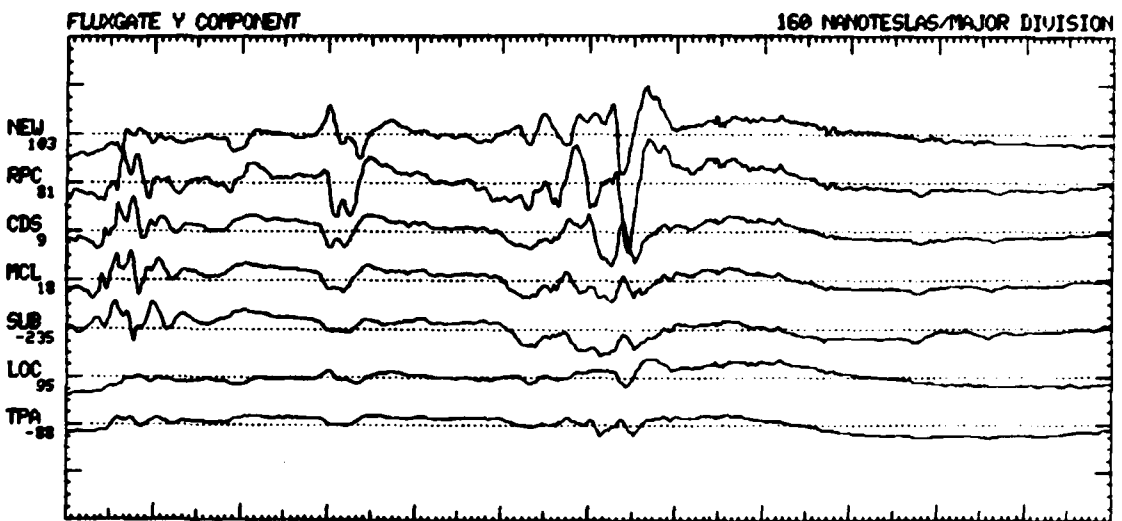
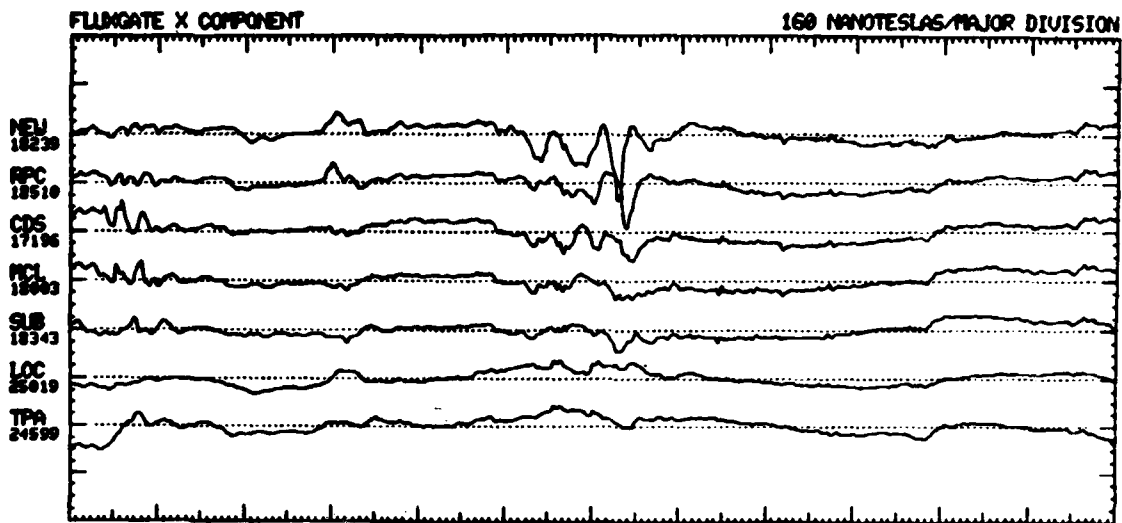
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54454
RPC
54921
CDS
5568
MCL
55056
SUB
5424
LOC
43001
TPA
42641



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
12 APR 78 (DAY 78.102) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

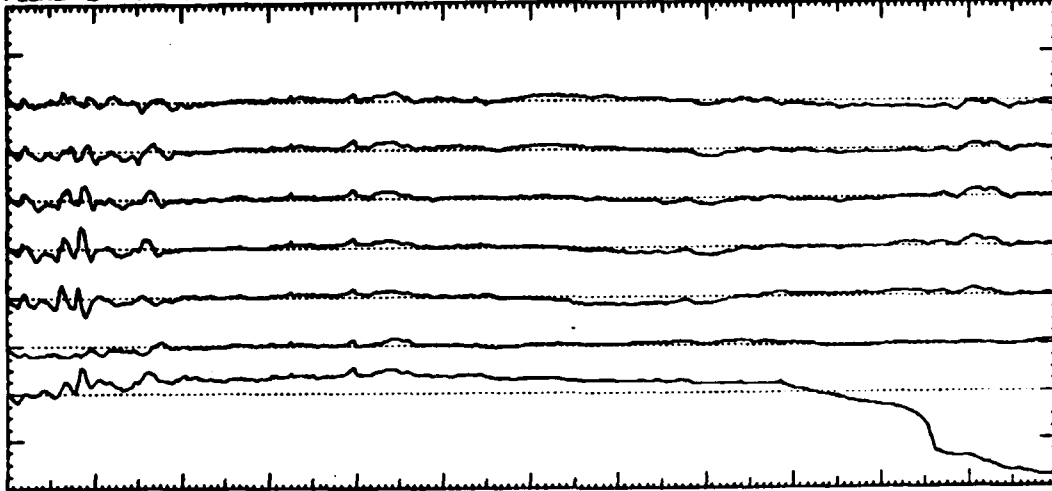


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
 14 APR 78 (DAY 78.104) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

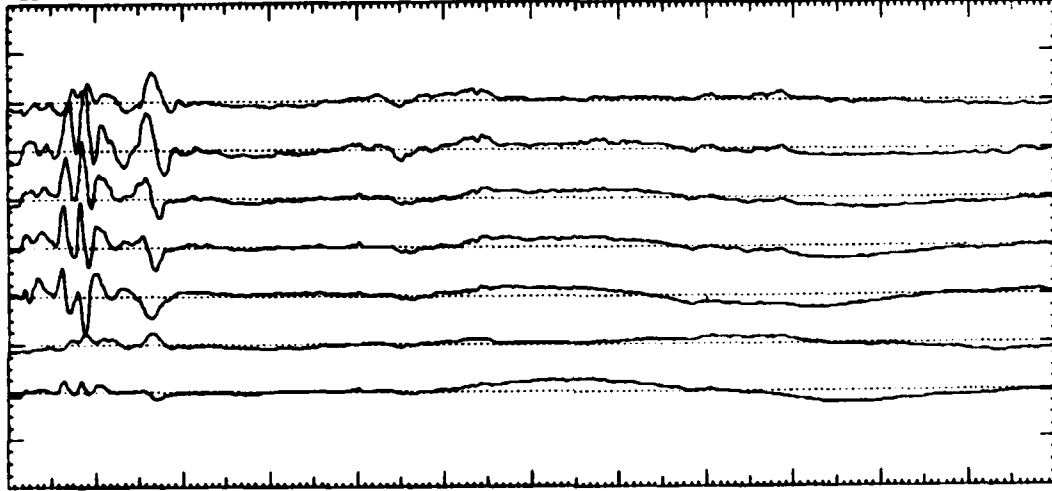
NEU
18267
RPC
18528
CDS
17225
MCL
18930
SUB
18165
LOC
25028
TPA
24340



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

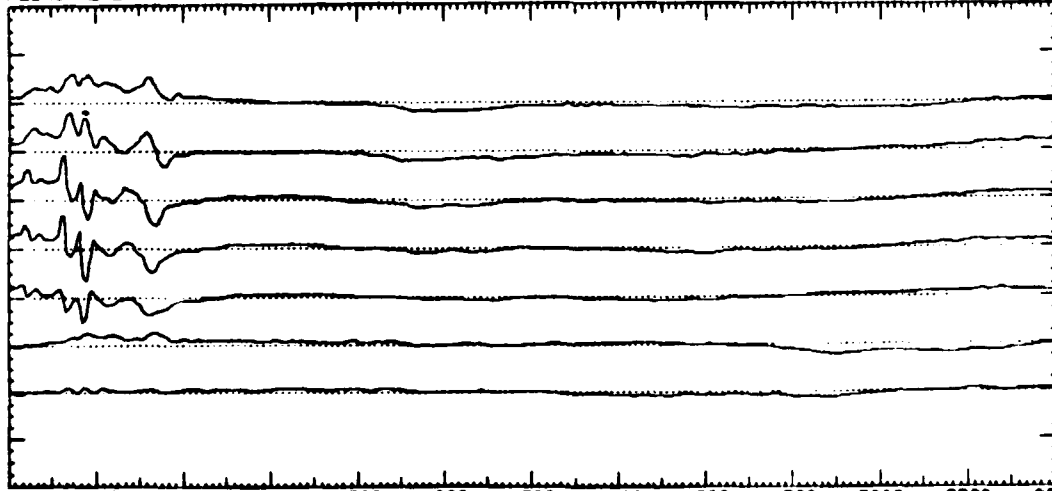
NEU
105
RPC
92
CDS
110
MCL
33
SUB
-128
LOC
97
TPA
-79



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54459
RPC
54919
CDS
55672
MCL
55044
SUB
54832
LOC
42997
TPA
42631

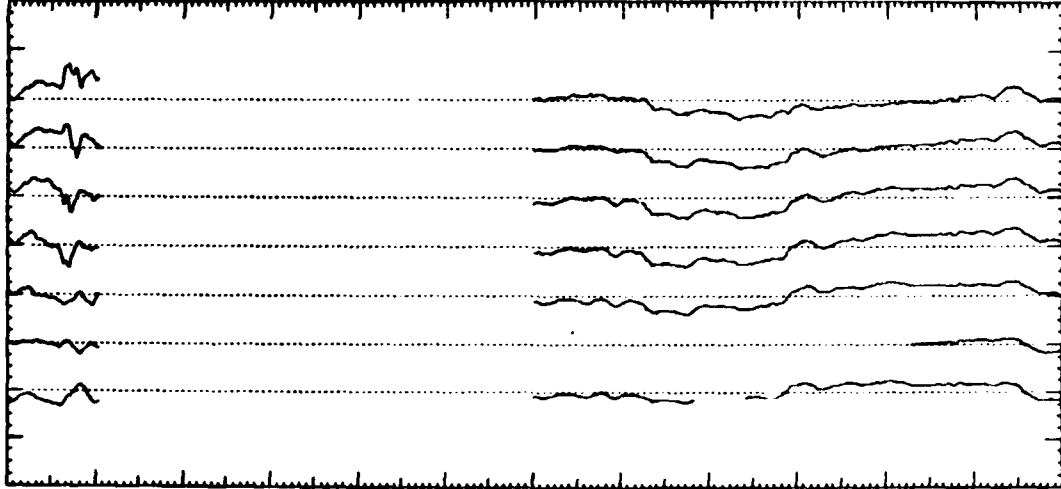


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
20 APR 78 (DAY 78.110) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

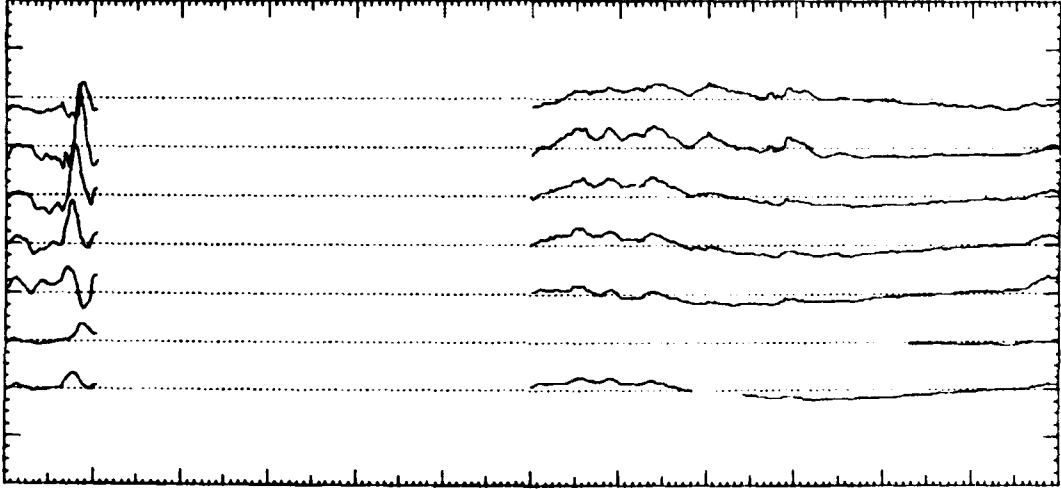
NEU
18249
RPC
18510
CDS
17208
MCL
18013
SUB
18156
LOC
25033
TPA
25155



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

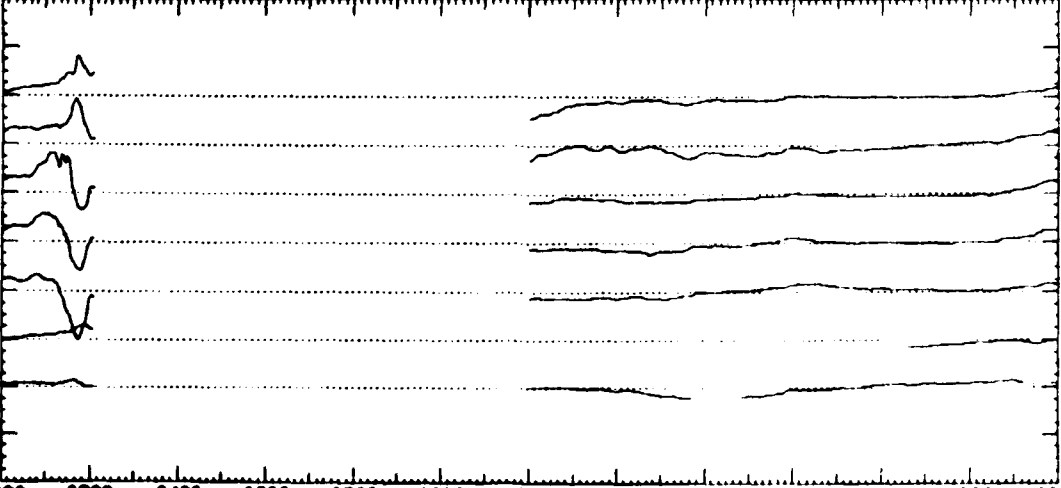
NEU
98
RPC
100
CDS
107
MCL
27
SUB
-131
LOC
66
TPA
140



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

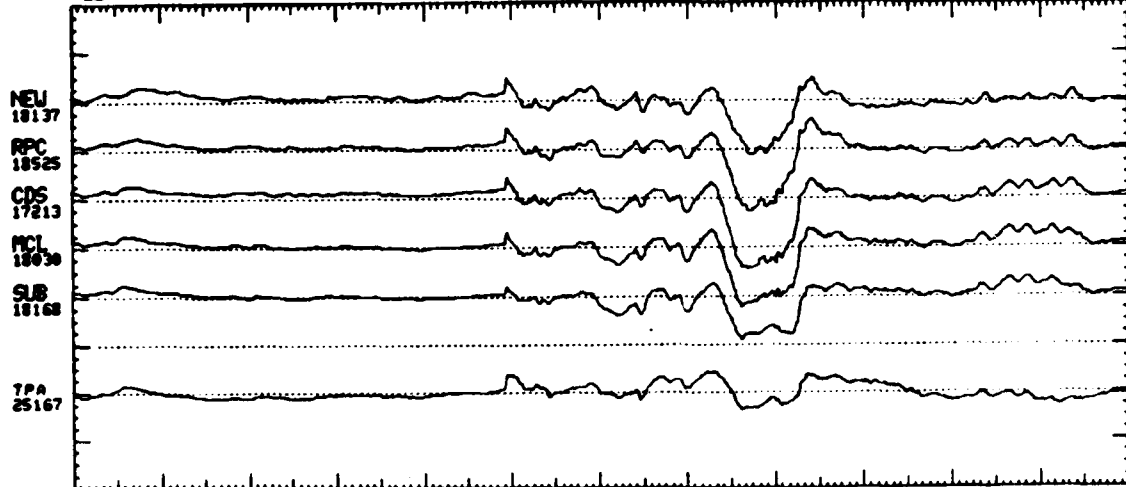
NEU
54457
RPC
54936
CDS
5567
MCL
55042
SUB
54826
LOC
42991
TPA
43486



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24 APR 78 (DAY 78.114) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

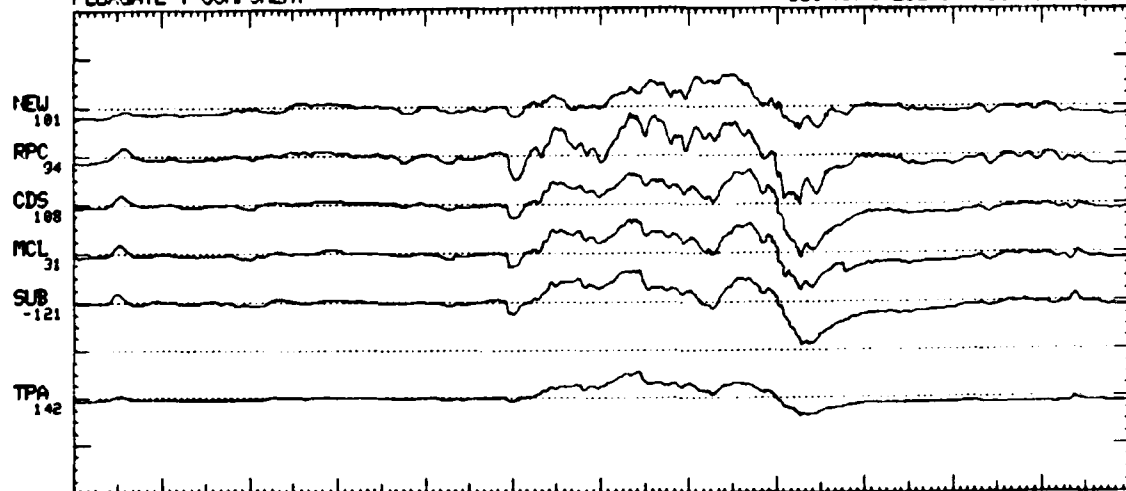
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



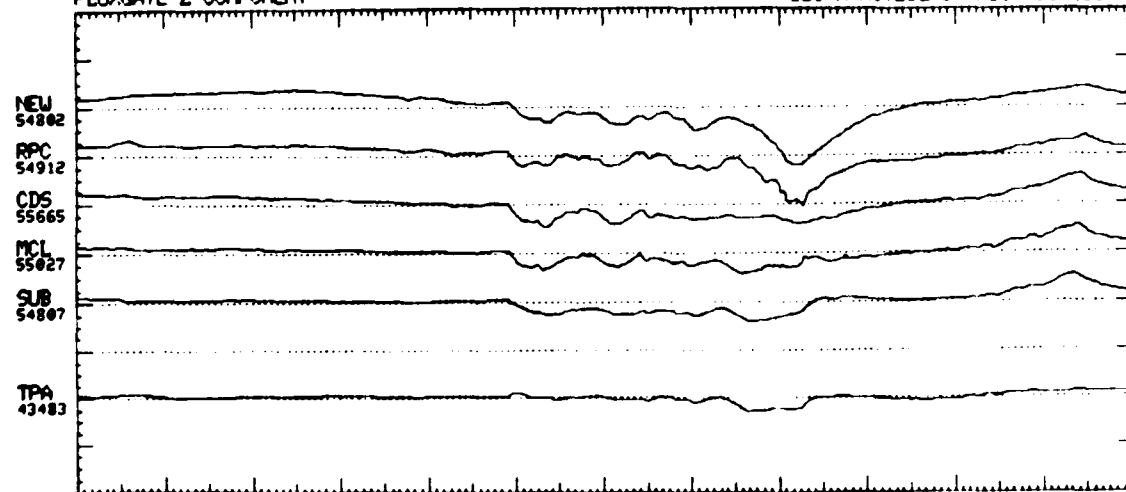
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

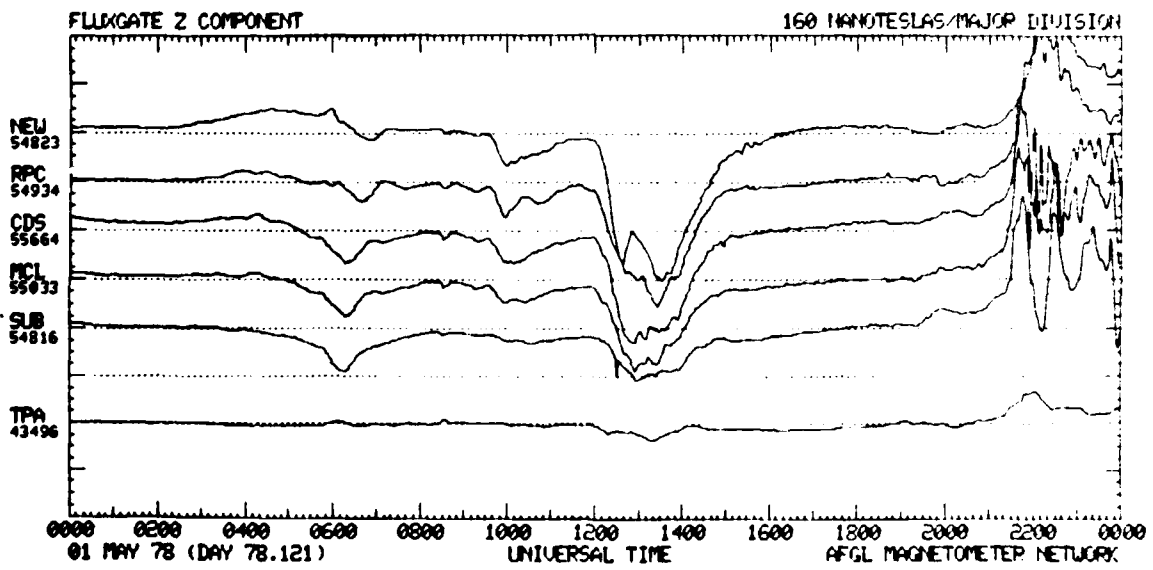
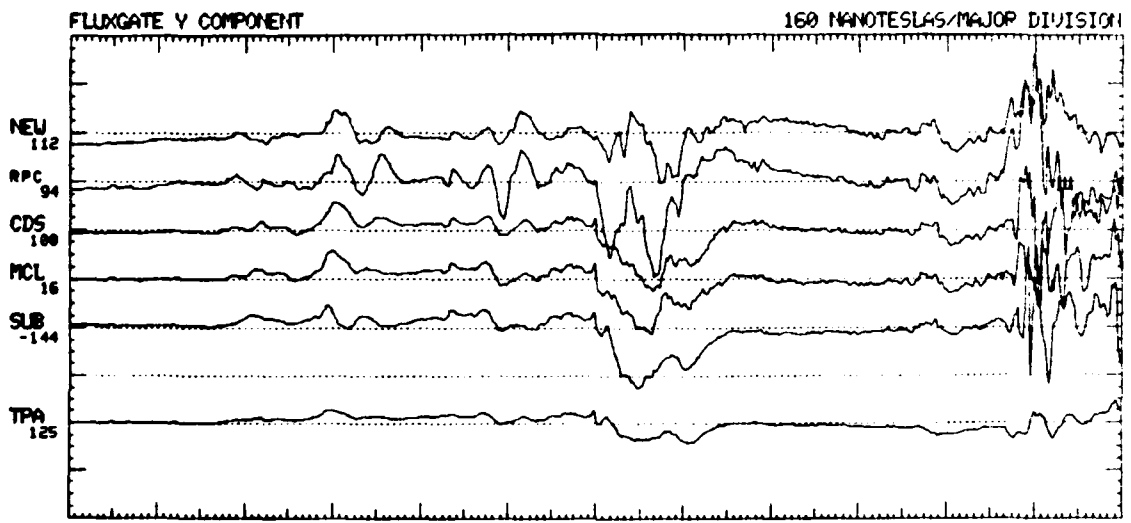
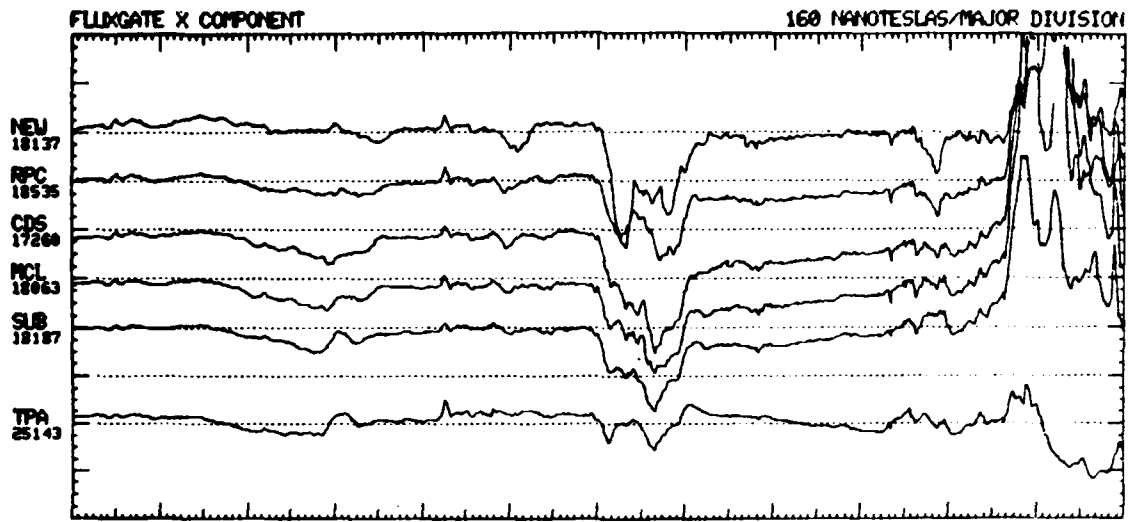


FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION



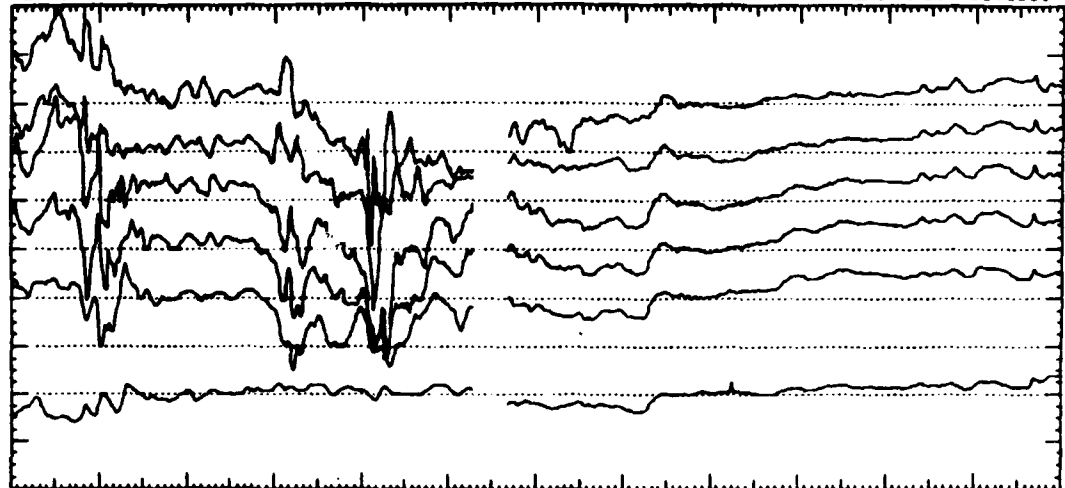
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30 APR 78 (DAY 78.120) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

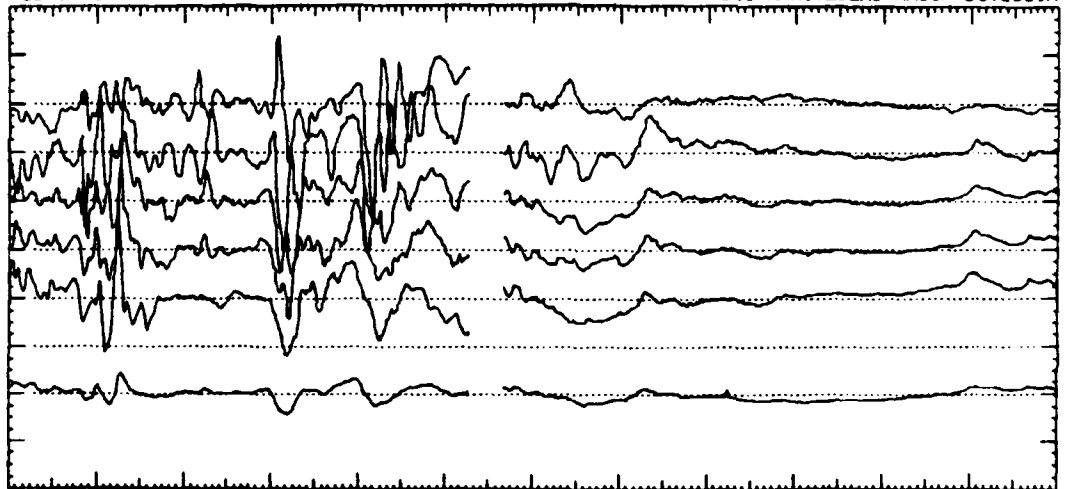
NEJ
18081
RPC
18456
CDS
17135
MCL
17954
SUB
18106
TPA
25104



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

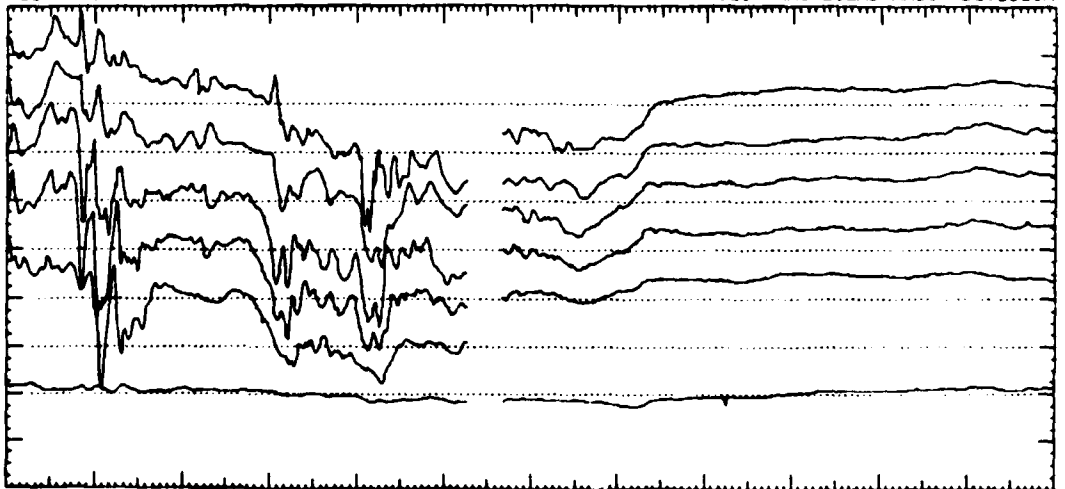
NEJ
110
RPC
91
CDS
95
MCL
11
SUB
-155
TPA
129



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEJ
54801
RPC
54905
CDS
55634
MCL
54991
SUB
54776
TPA
43503

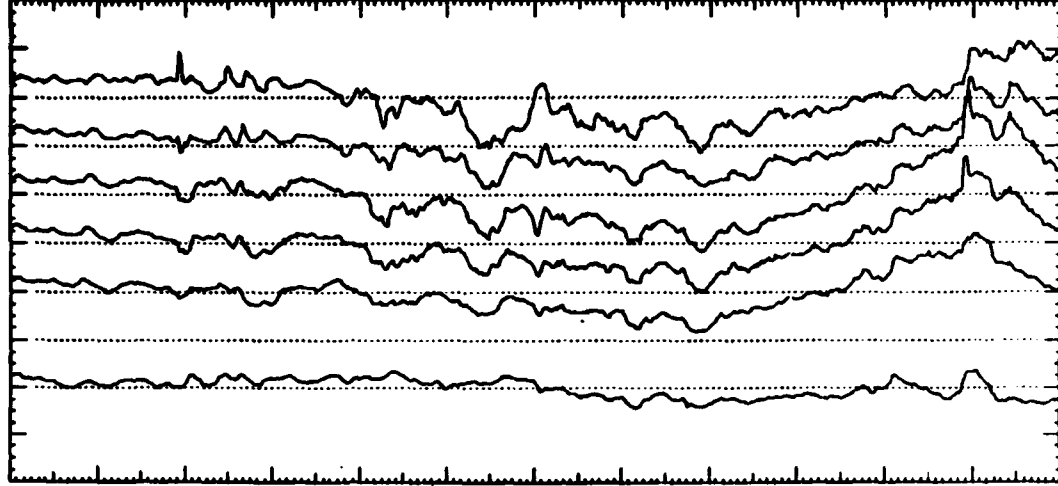


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
02 MAY 78 (DAY 78.122) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

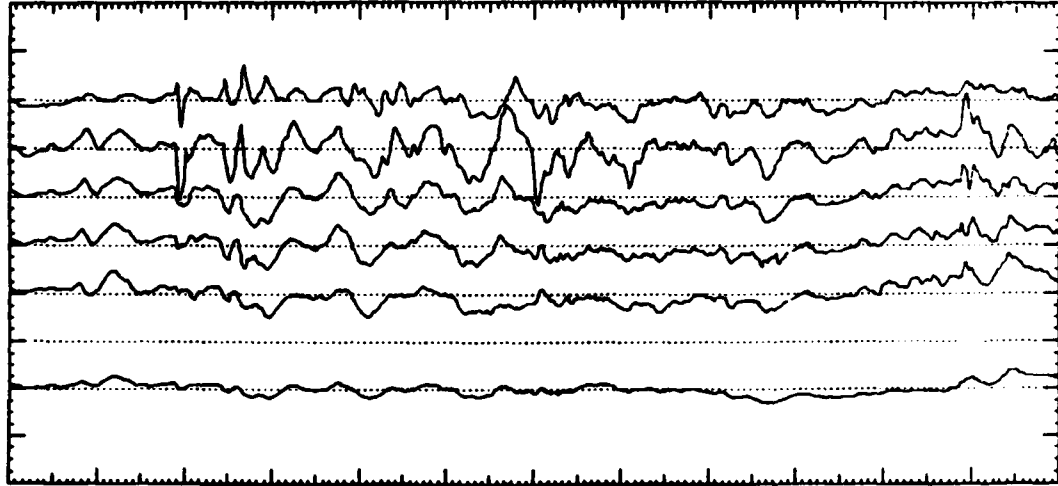
NEU
18102
RPC
18488
CDS
17177
HCL
17936
SUB
18142
TPA
85122



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

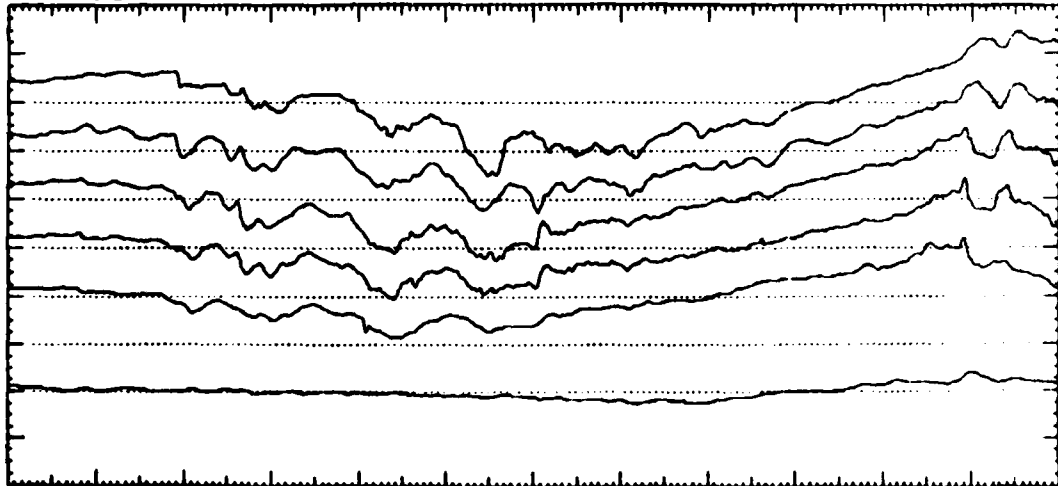
NEU
100
RPC
93
CDS
101
HCL
20
SUB
-134
TPA
133



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

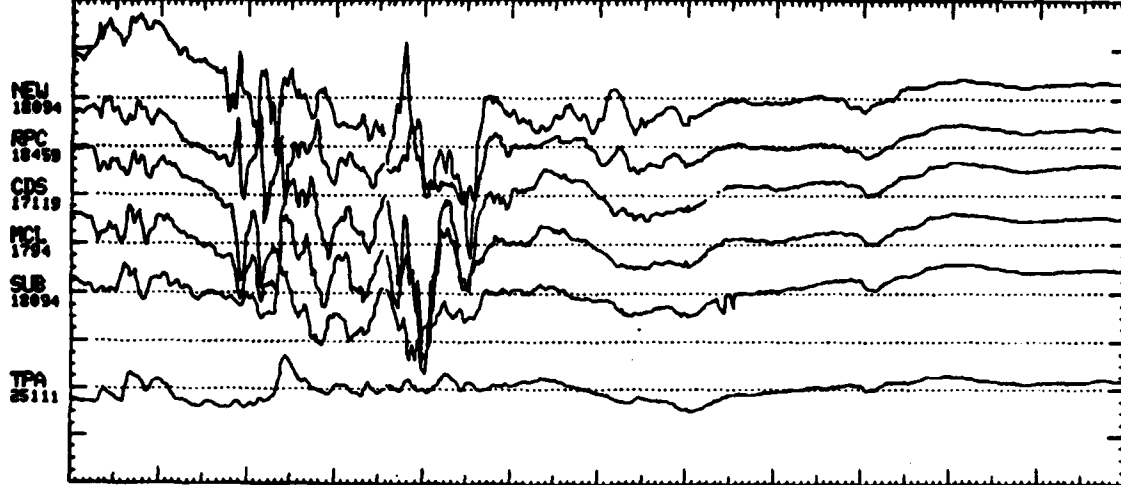
NEU
54788
RPC
54921
CDS
55660
HCL
55022
SUB
54804
TPA
47501



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
03 MAY 78 (DAY 78.123) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

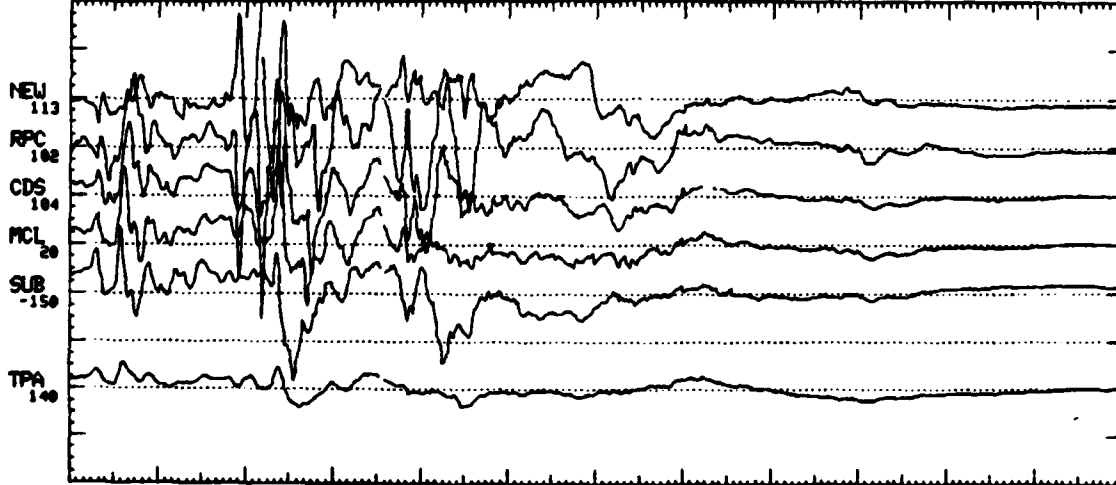
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



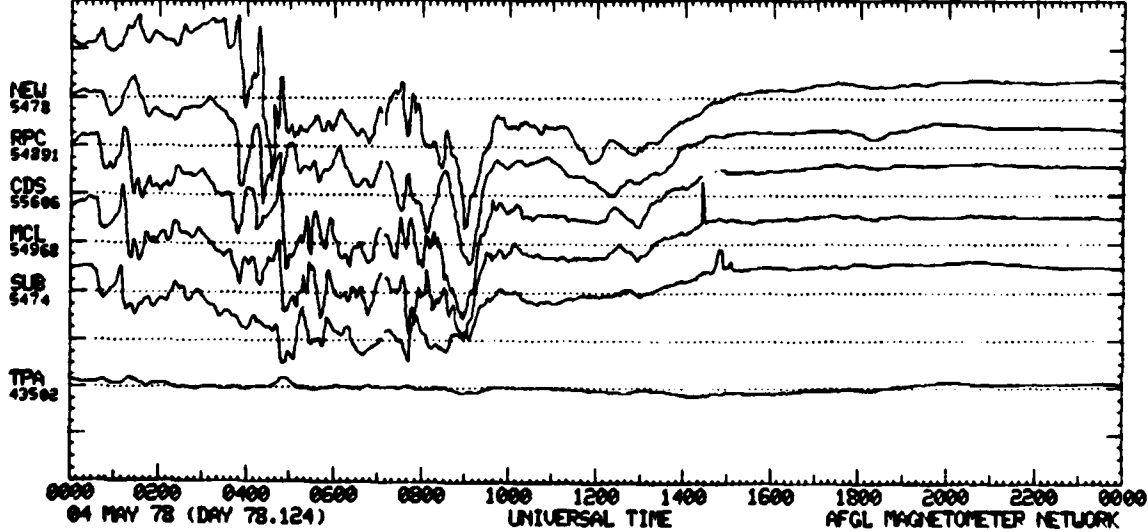
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

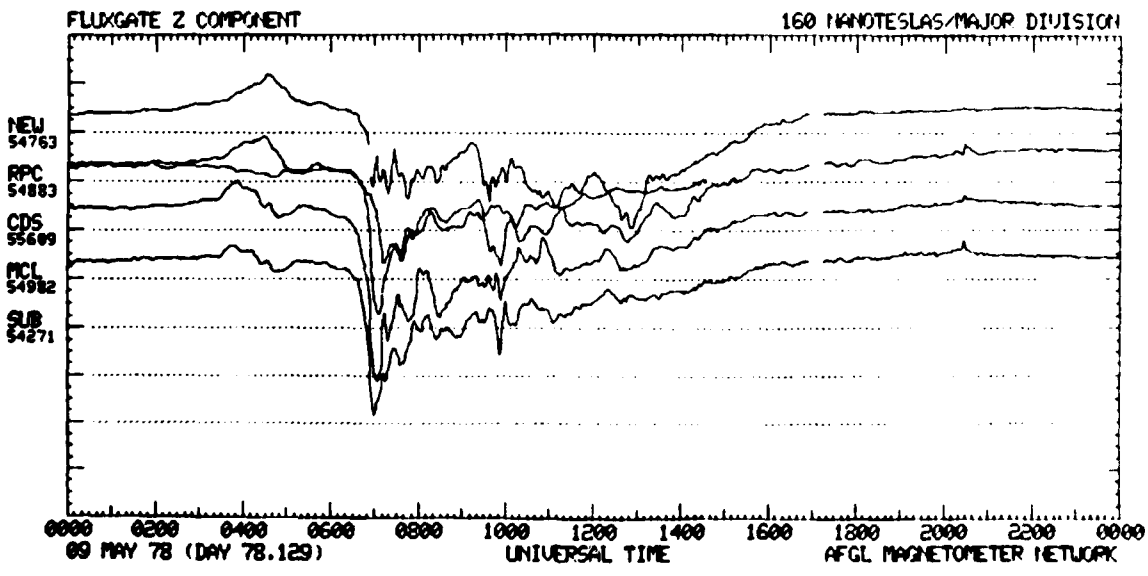
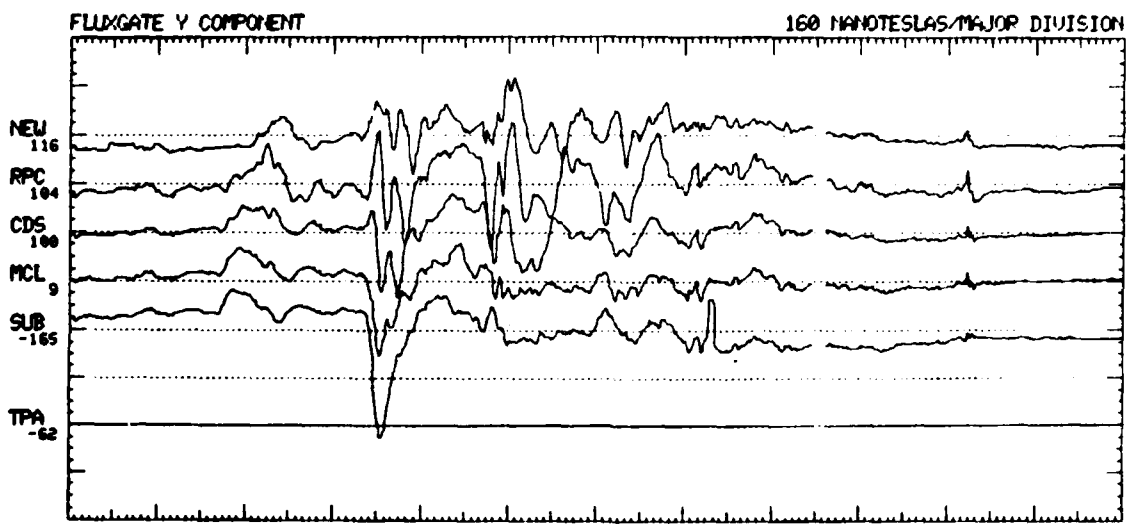
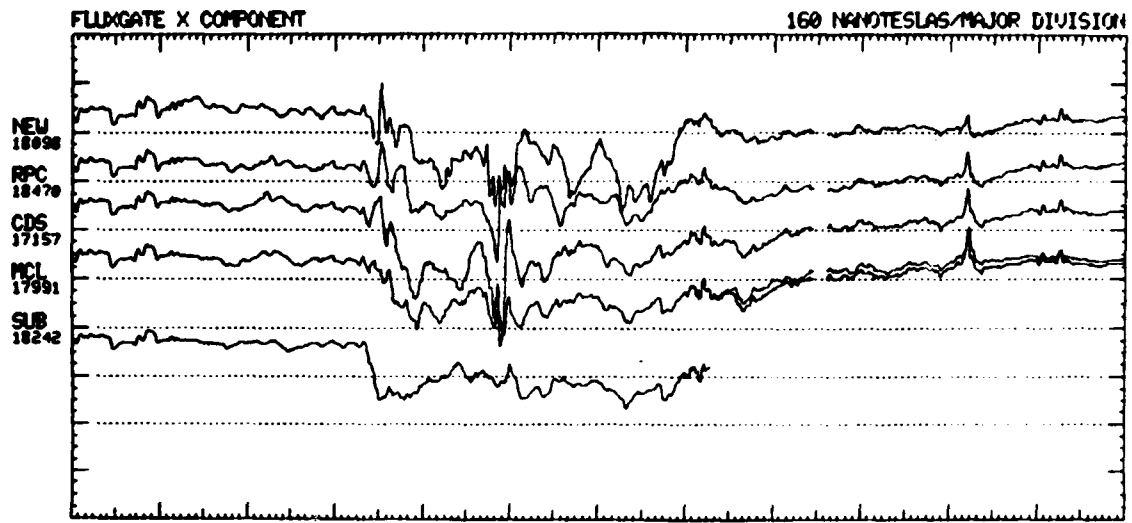


FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION



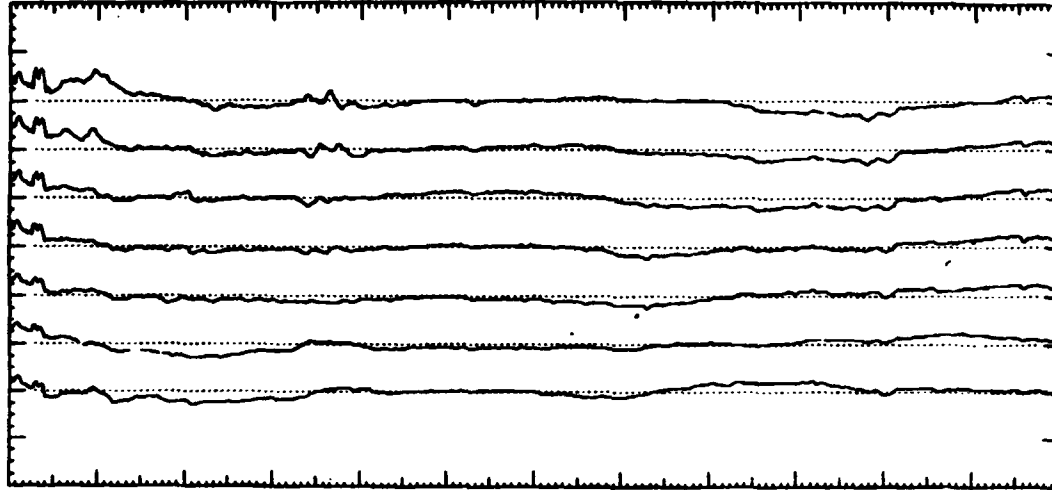
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04 MAY 78 (DAY 78.124) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

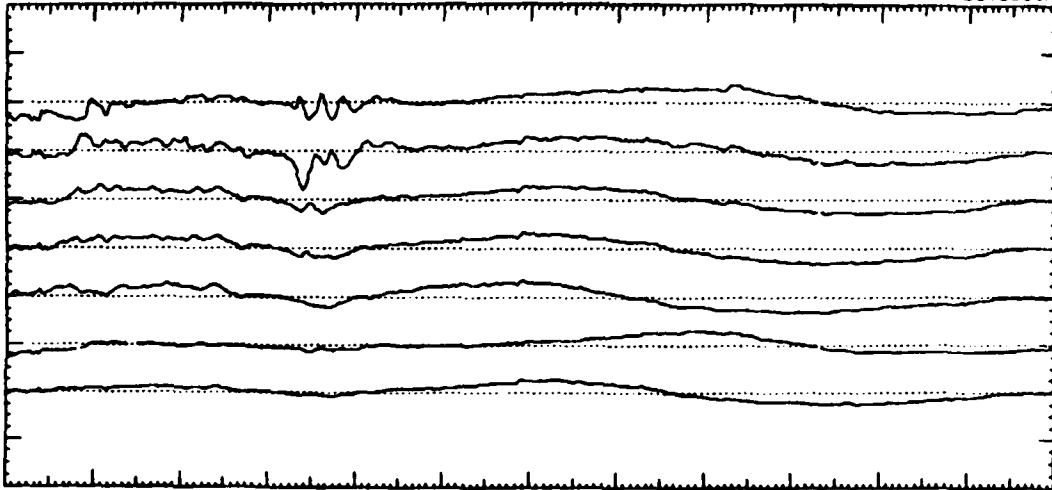
NEU
18161
RPC
18528
CDS
17817
PCL
18057
SUB
18521
LOC
25036
TPA
25171



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

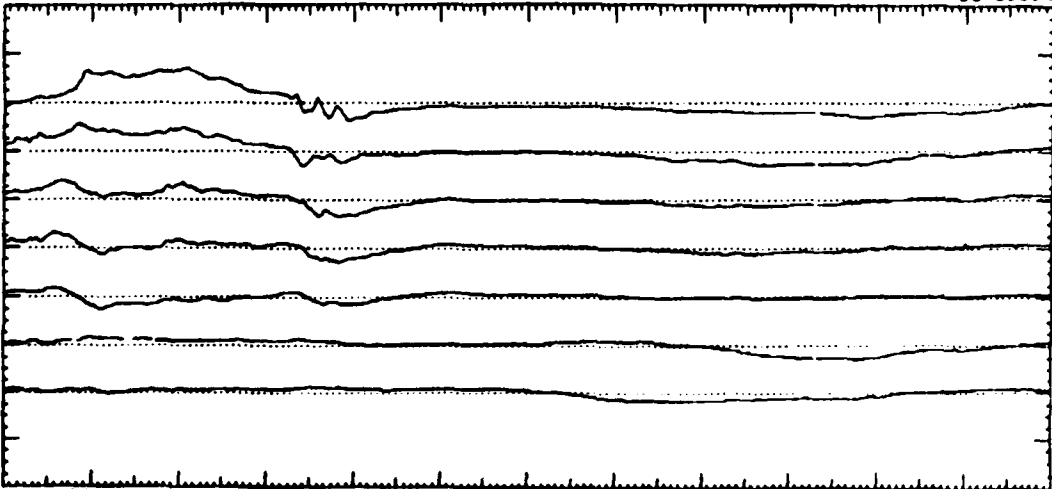
NEU
97
RPC
110
CDS
117
PCL
21
SUB
132
LOC
105
TPA
154



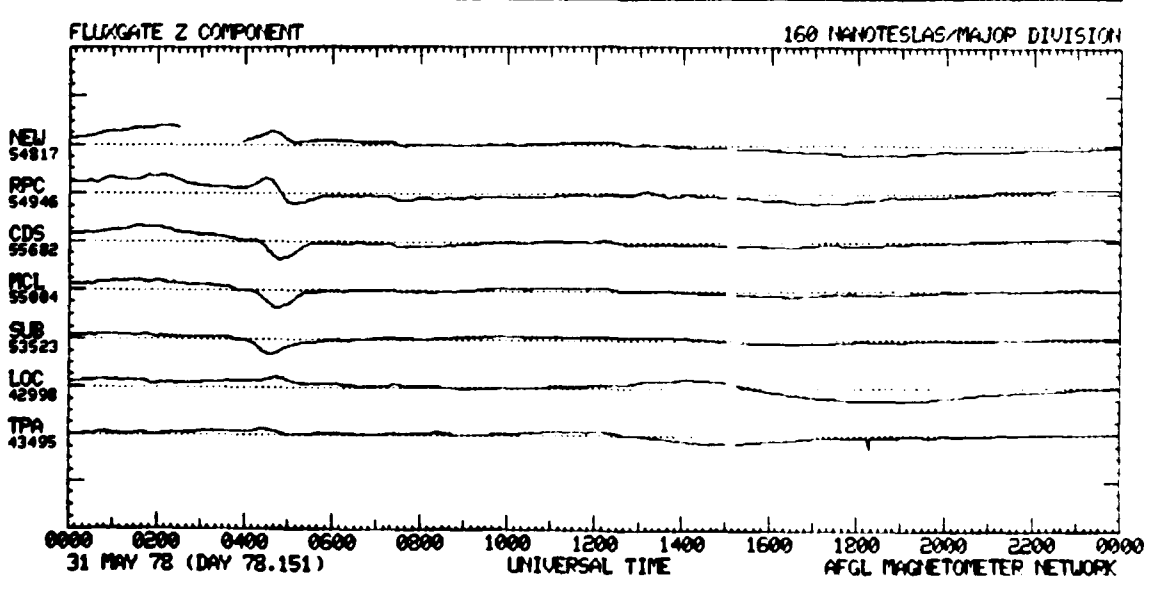
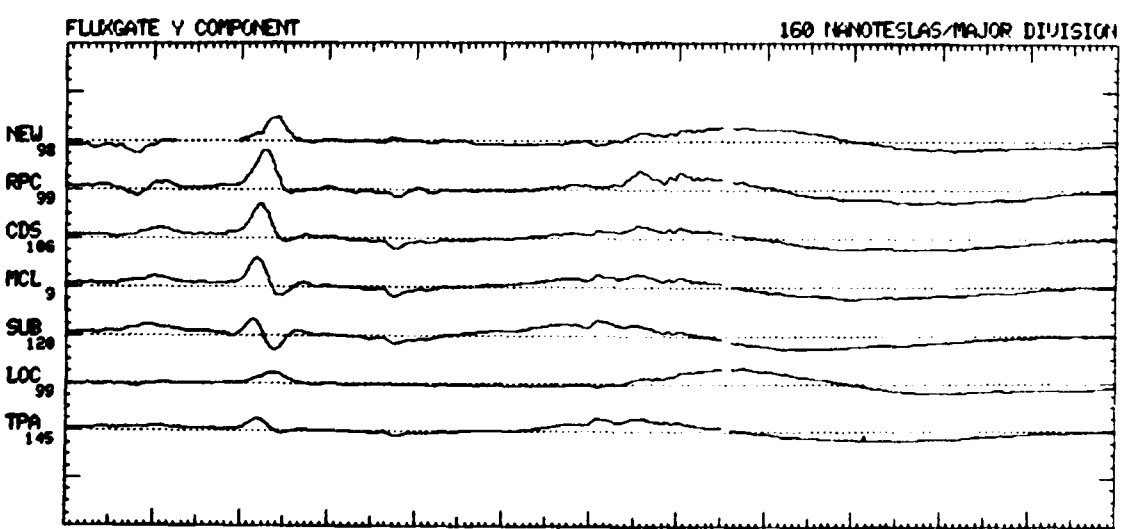
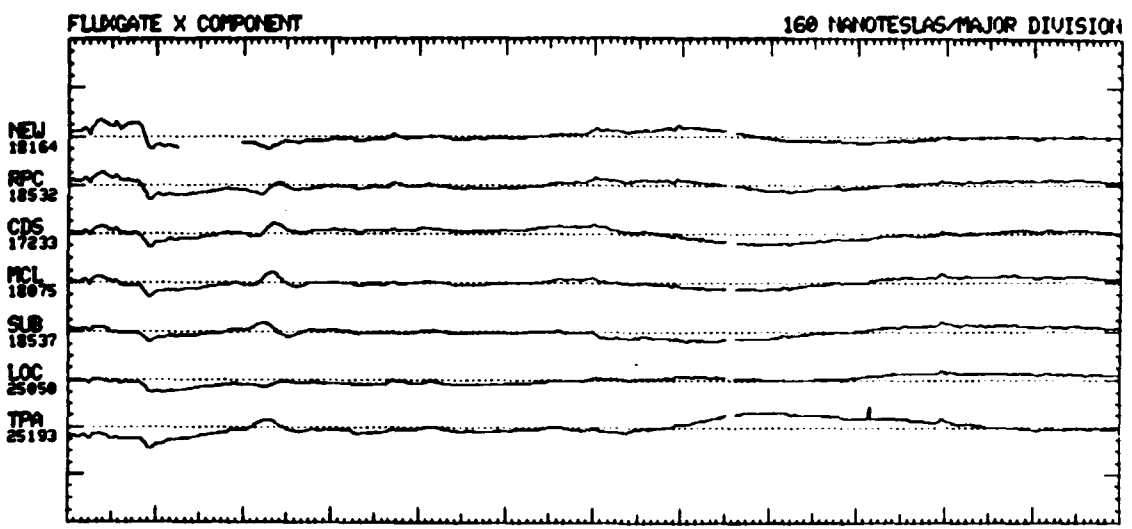
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54837
RPC
54971
CDS
55692
PCL
55911
SUB
53525
LOC
43004
TPA
43492



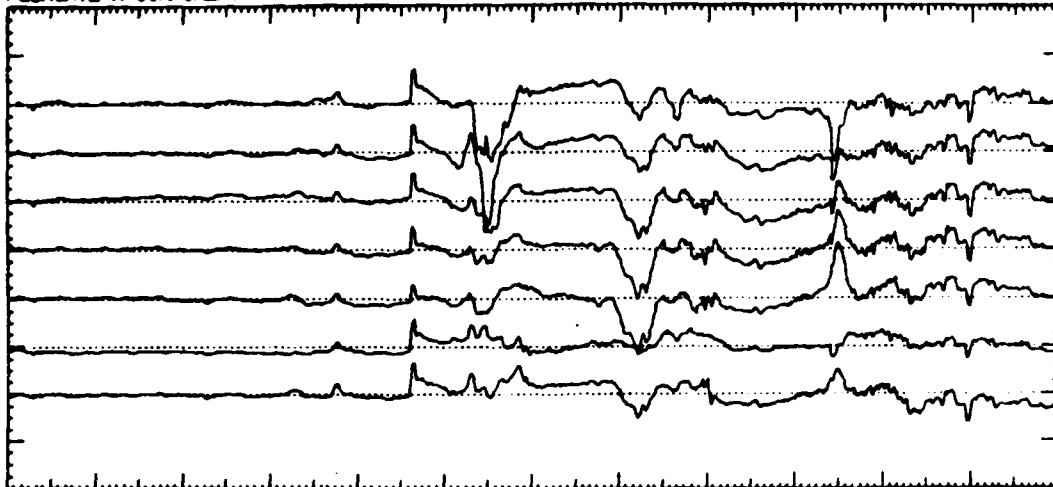
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
30 MAY 78 (DAY 78.150) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

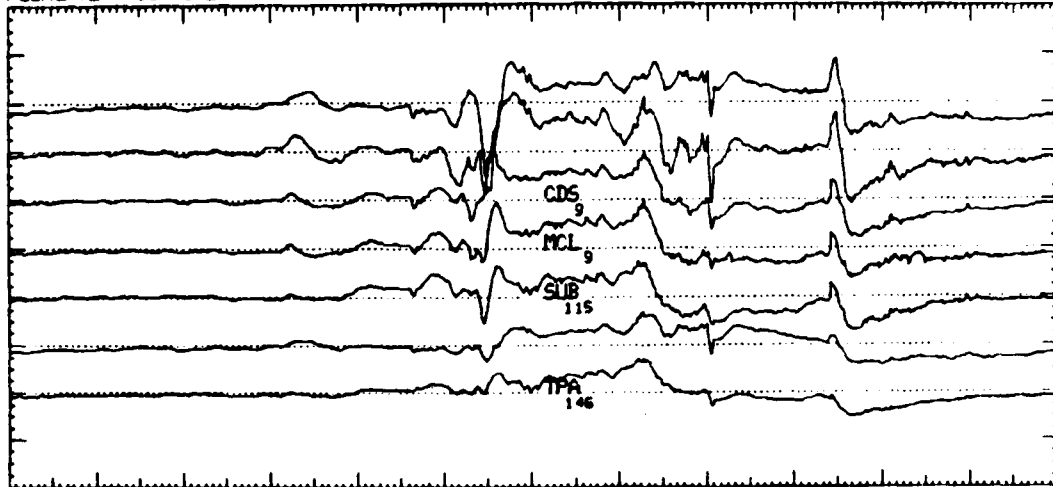
NEU
18176
RPC
18546
CDS
17243
MCL
18888
SUB
18555
LOC
25082
TPA
25208



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

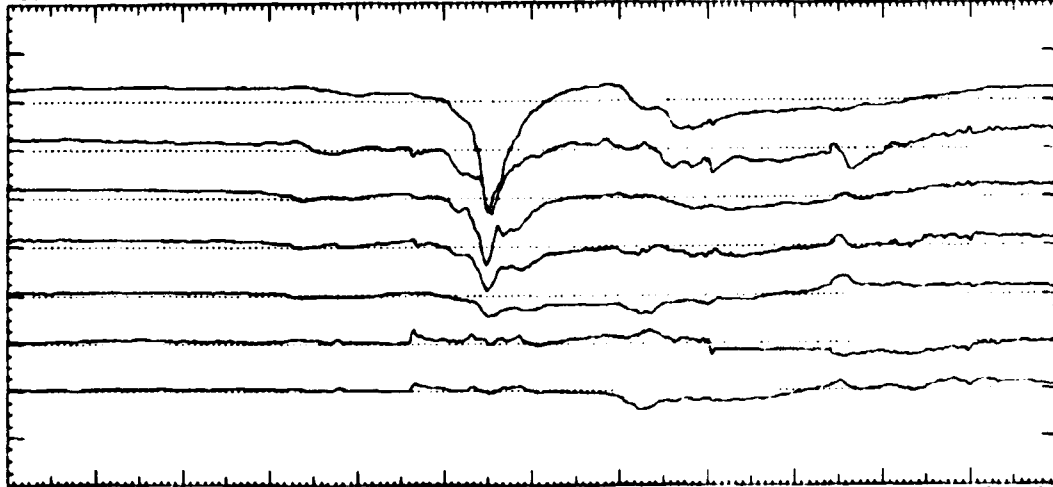
NEU
102
RPC
9
CDS
9
MCL
9
SUB
115
LOC
101
TPA
146



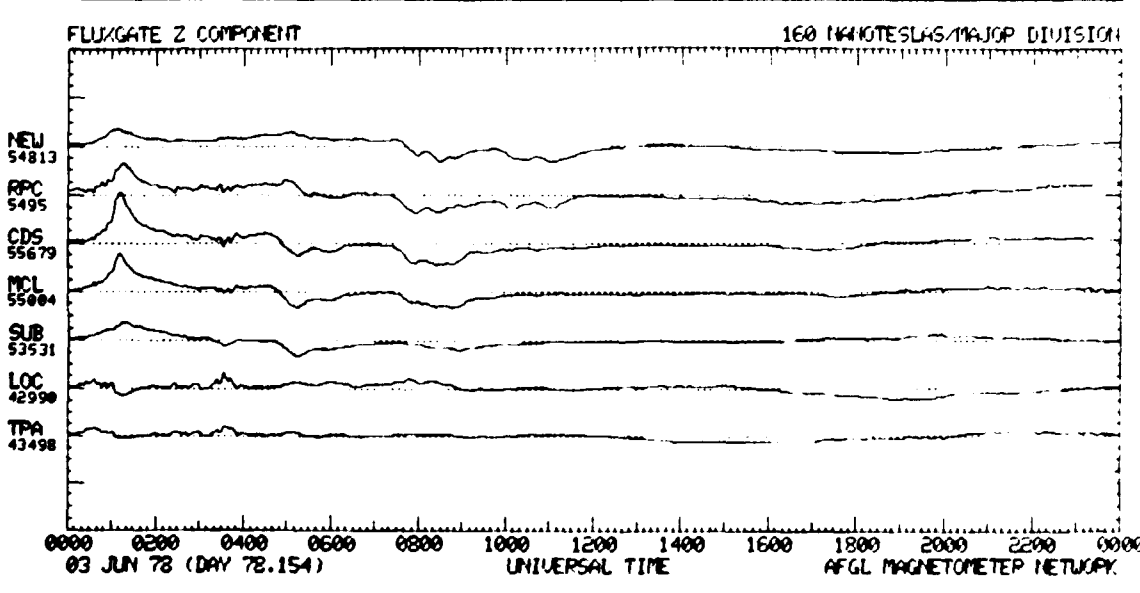
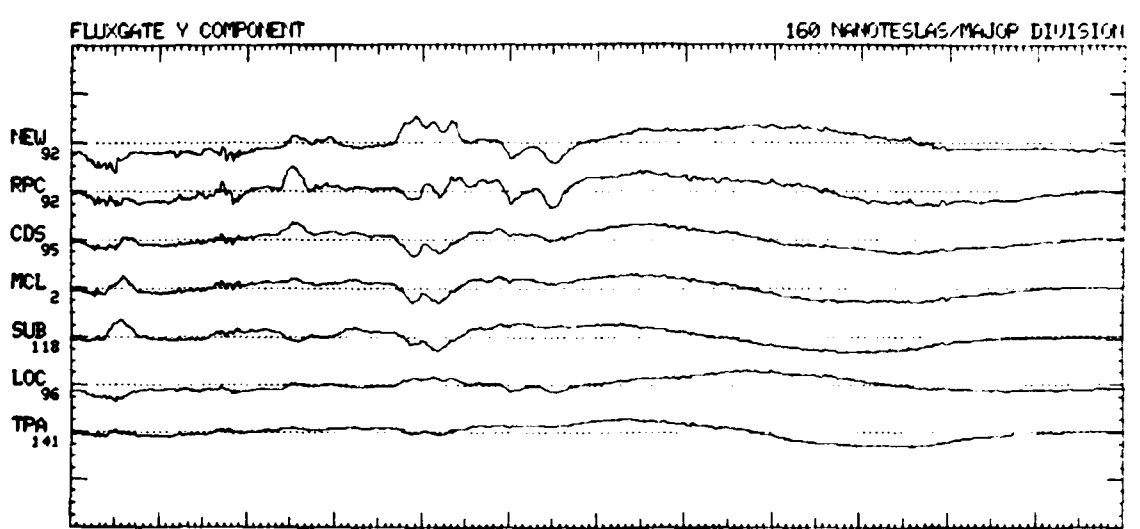
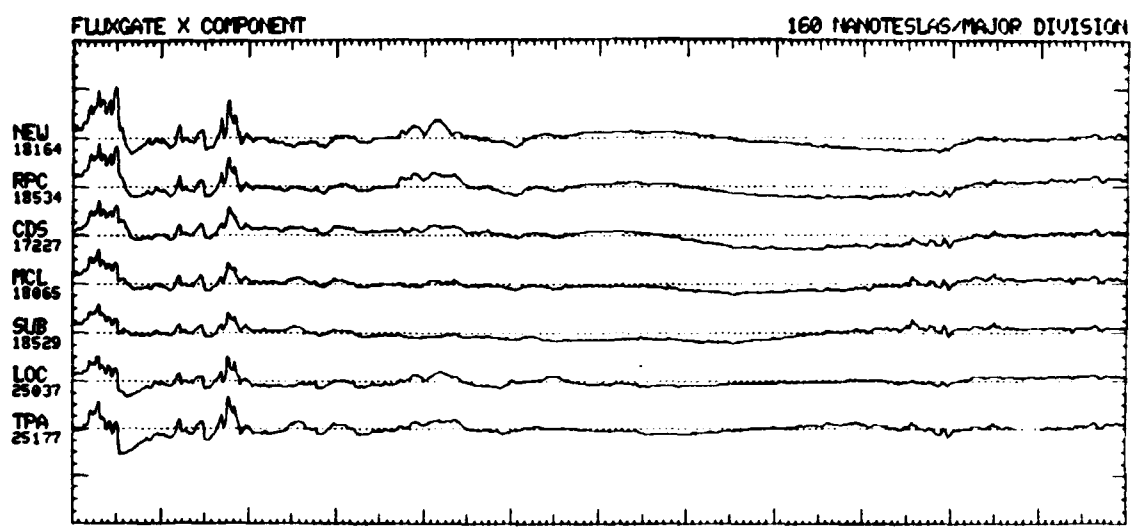
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

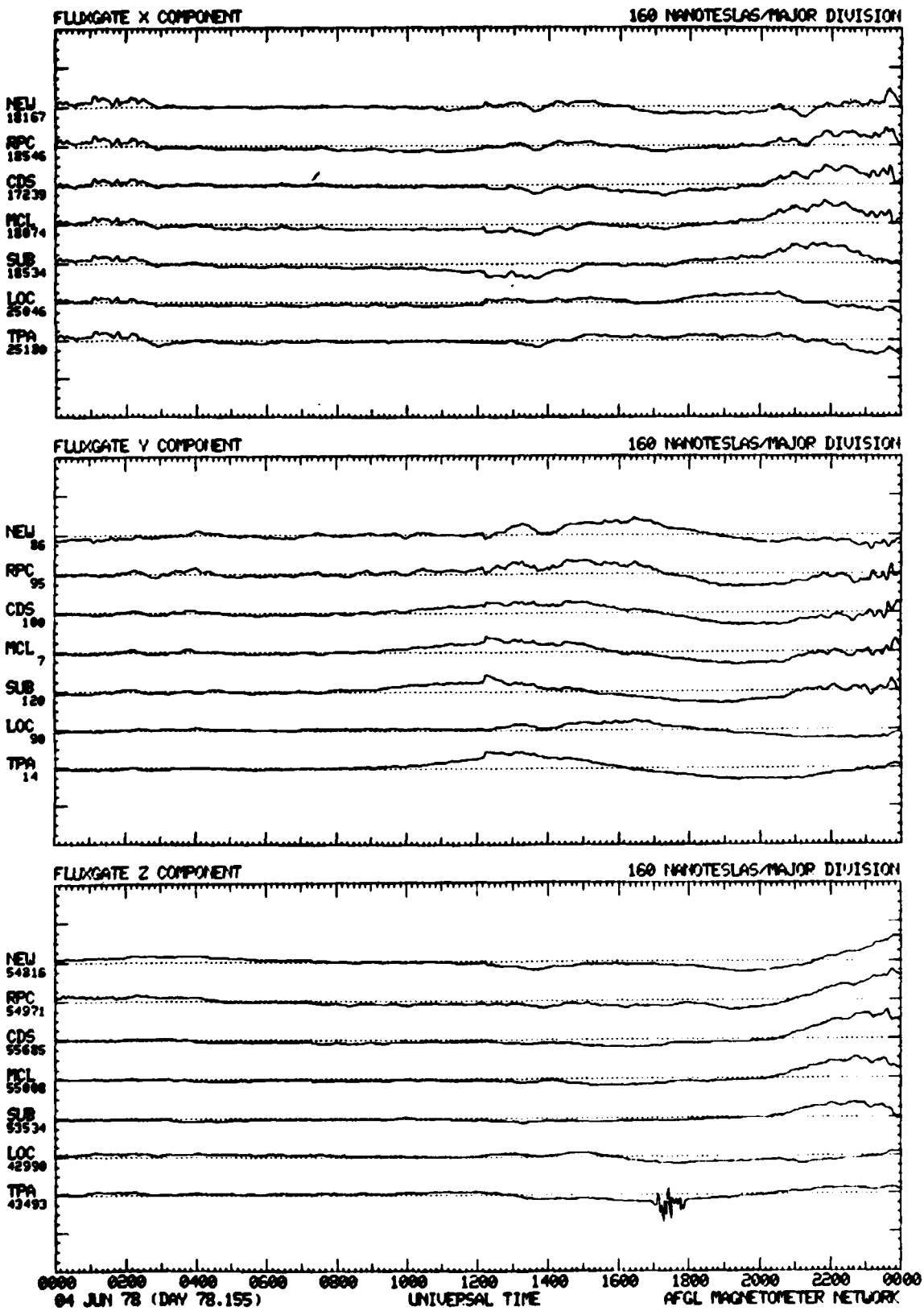
NEU
54773
RPC
54910
CDS
55648
MCL
54979
SUB
53509
LOC
42988
TPA
43489



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
02 JUN 78 (DAY 78.153) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



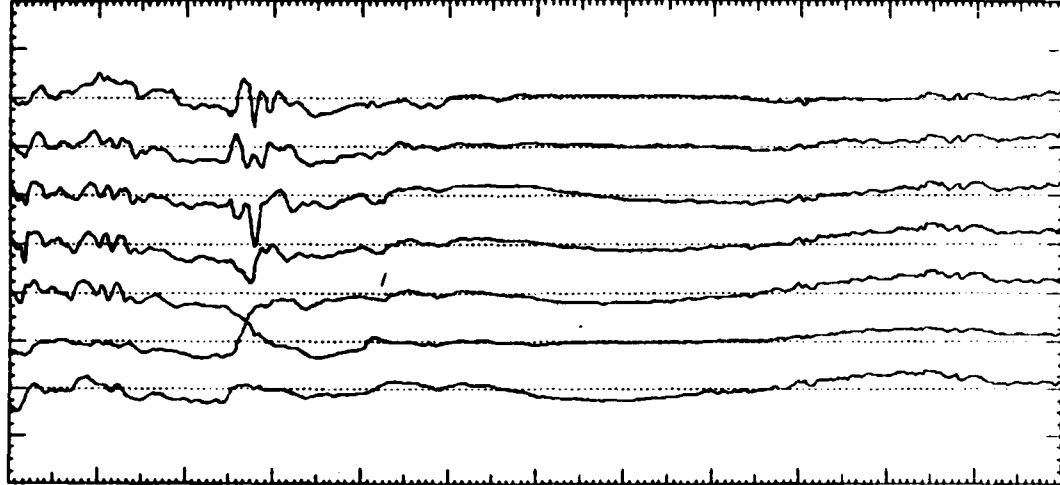
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 03 JUN 78 (DAY 78.154) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

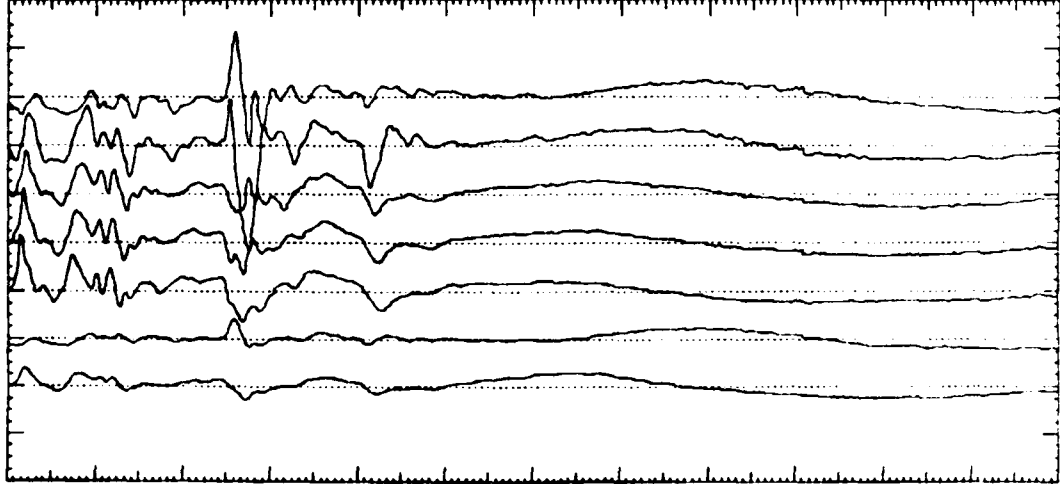
NEU
18166
RPC
18531
CDS
1721
MCL
18949
SUB
18506
LOC
25032
TPA
25168



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
95
RPC
106
CDS
107
MCL
13
SUB
122
LOC
103
TPA
147



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54822
RPC
54966
CDS
55665
MCL
5498
LOC
43003

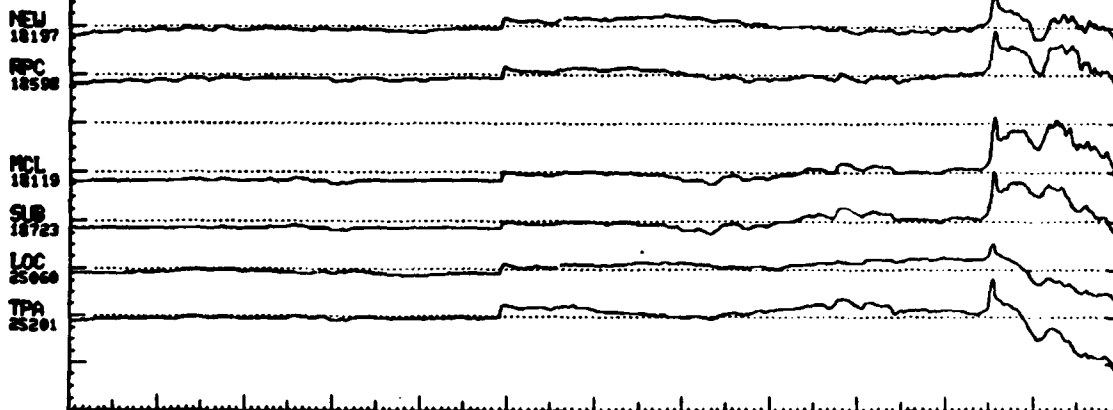
SUB
53512

TPA
43500

0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
05 JUN 78 (DAY 78.156) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

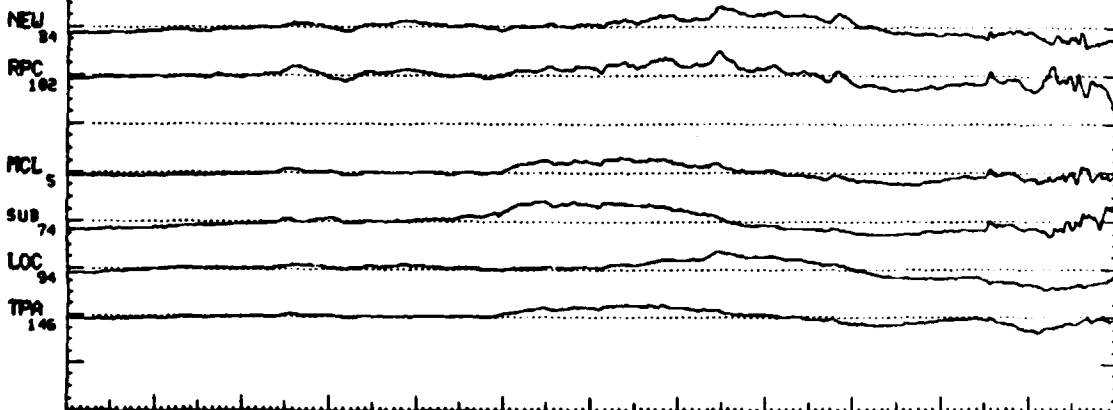
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



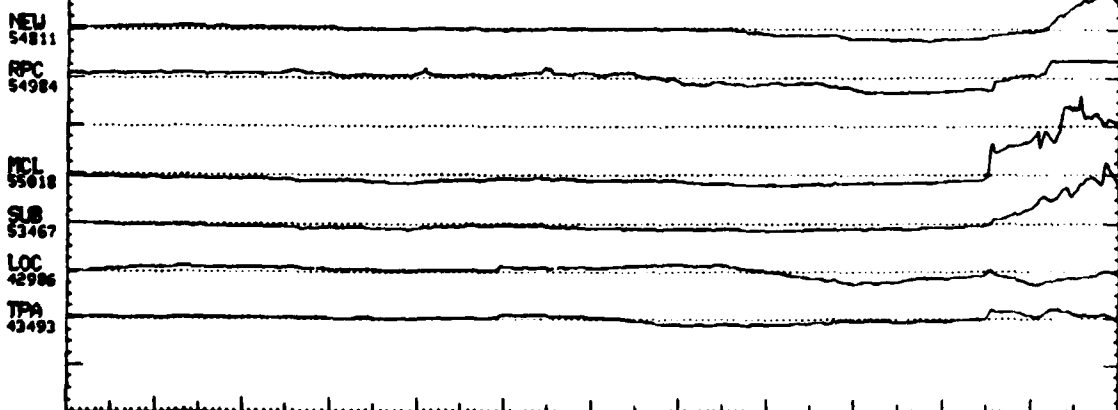
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

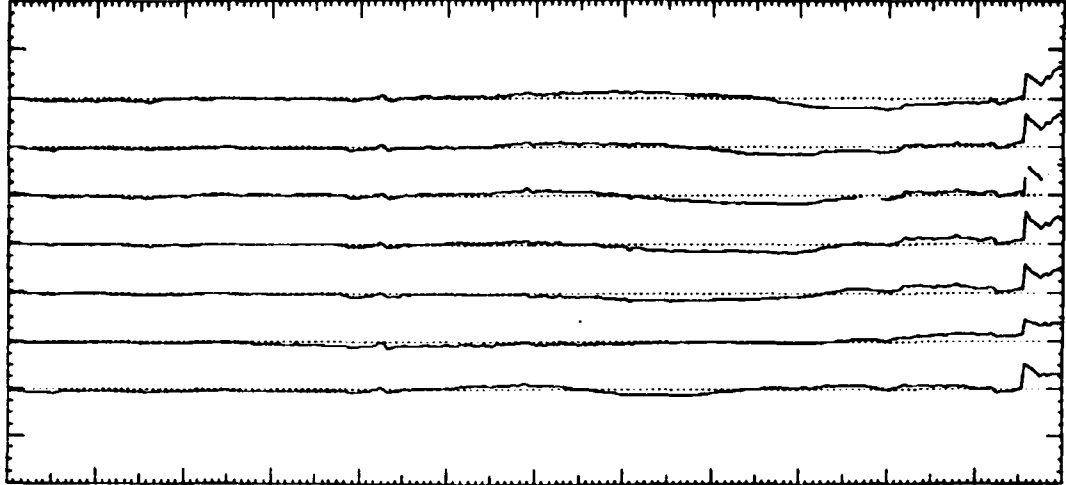


0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
29 JUN 78 (DAY 78.180) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

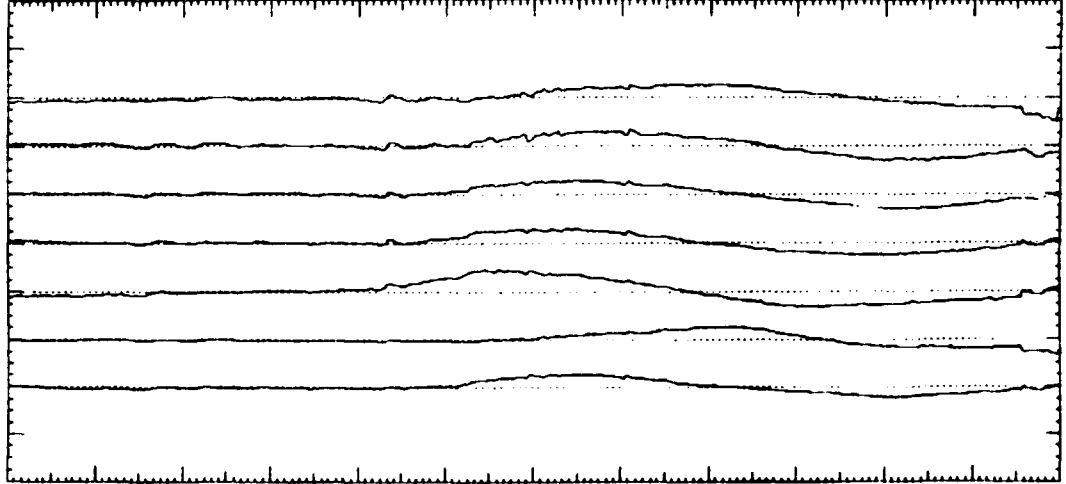
NEU
18190
RPC
18584
CDS
17249
MCL
18095
SUB
1869
LOC
25060
TPA
25205



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

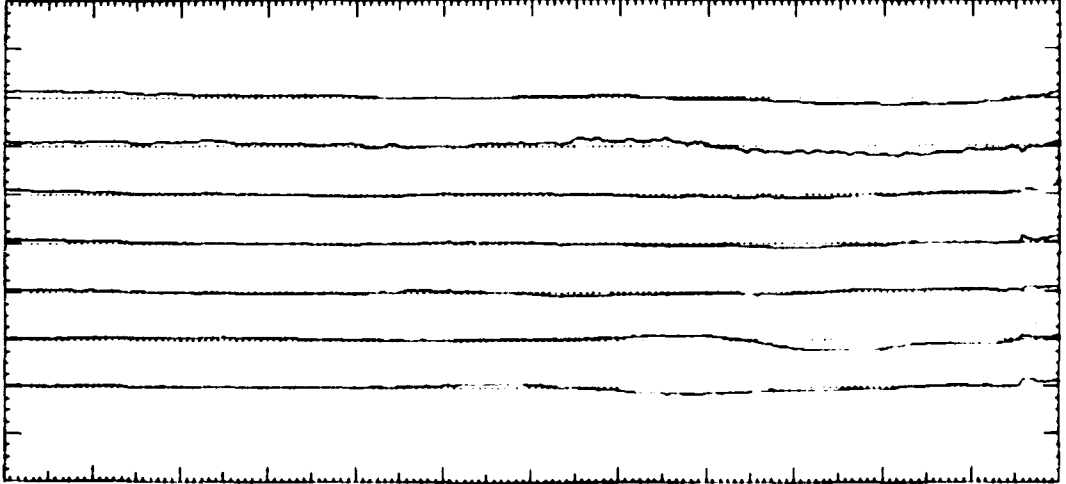
NEU
90
RPC
102
CDS
99
MCL
9
SUB
102
LOC
100
TPA
152



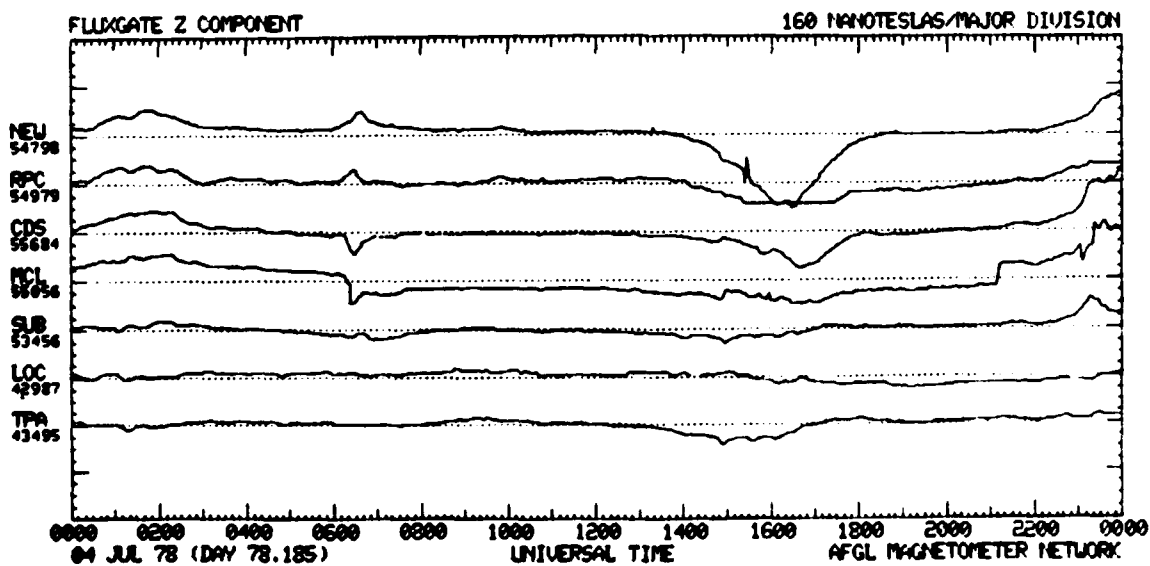
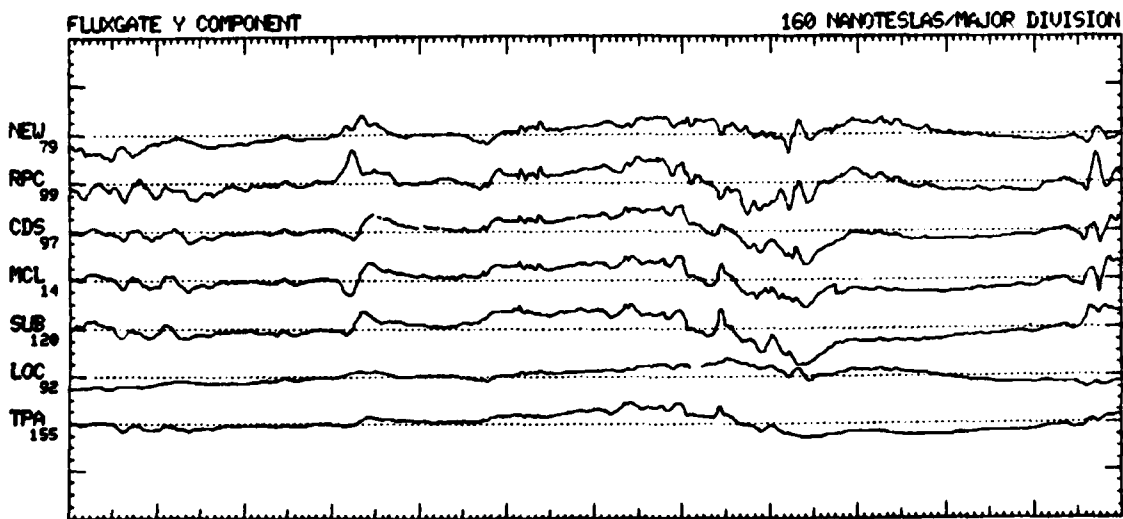
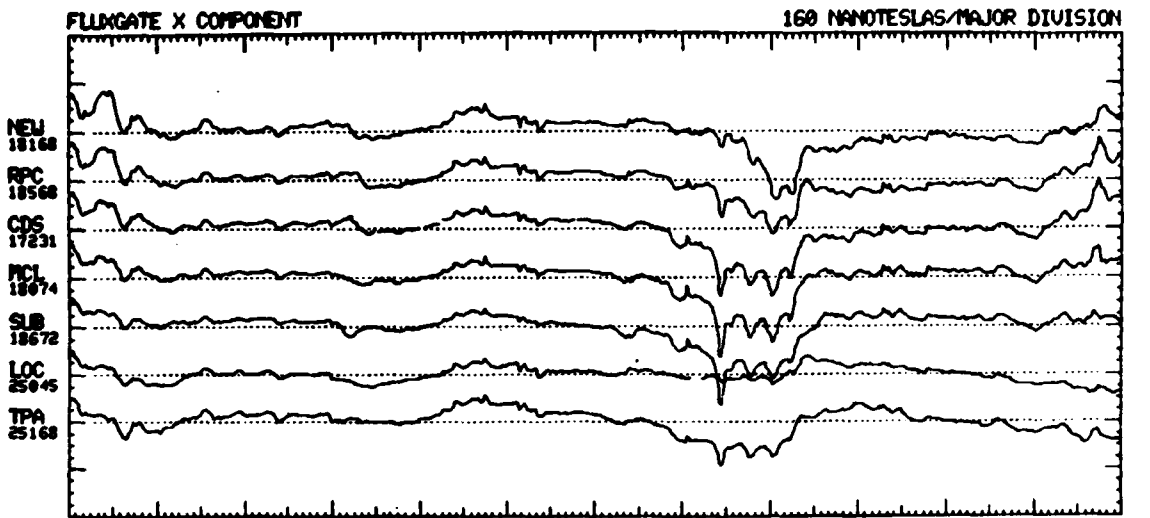
FLUXGATE Z COMPONENT

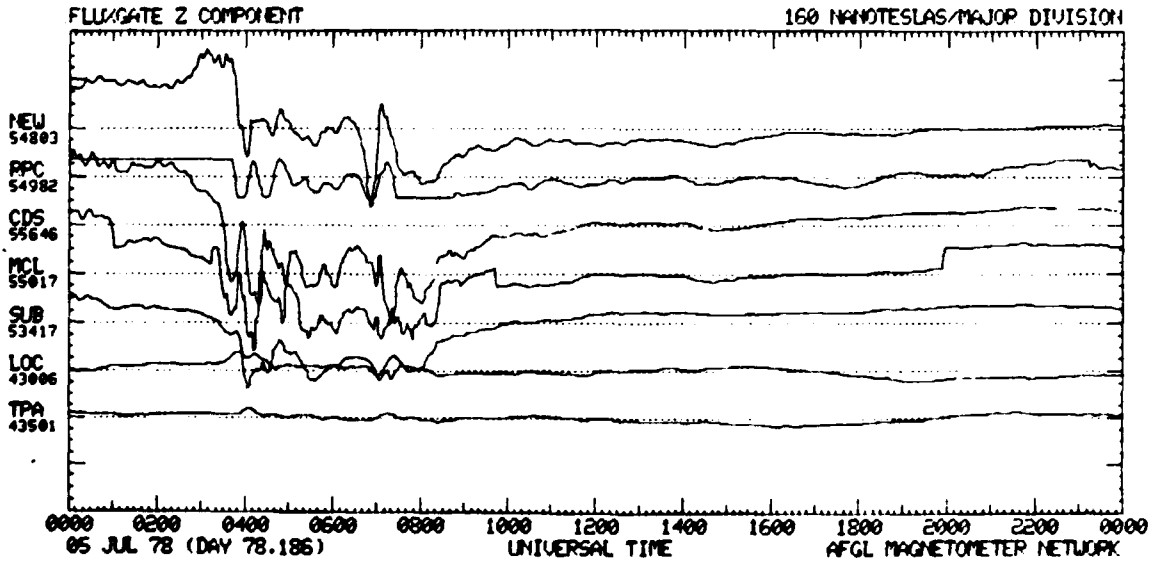
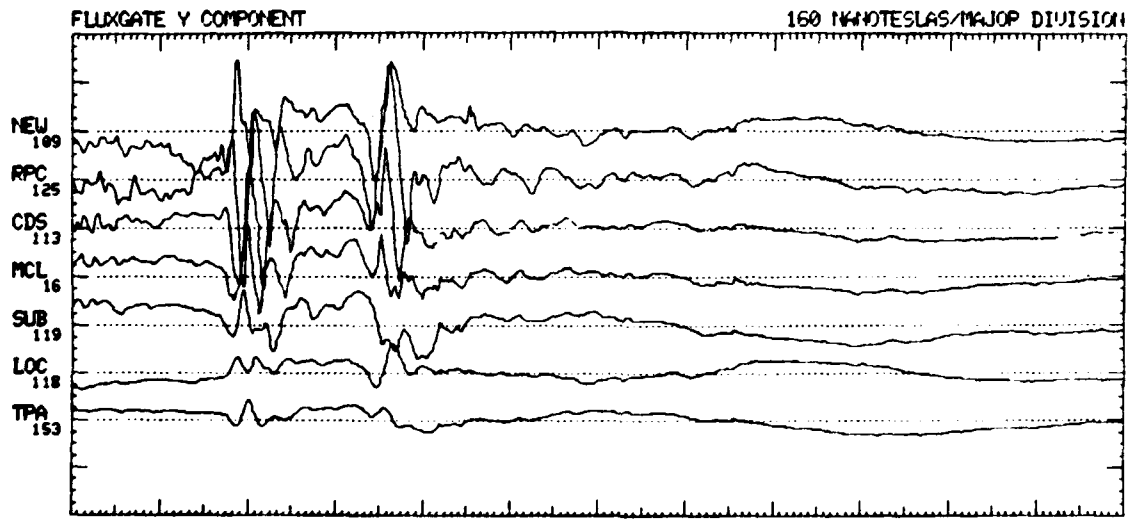
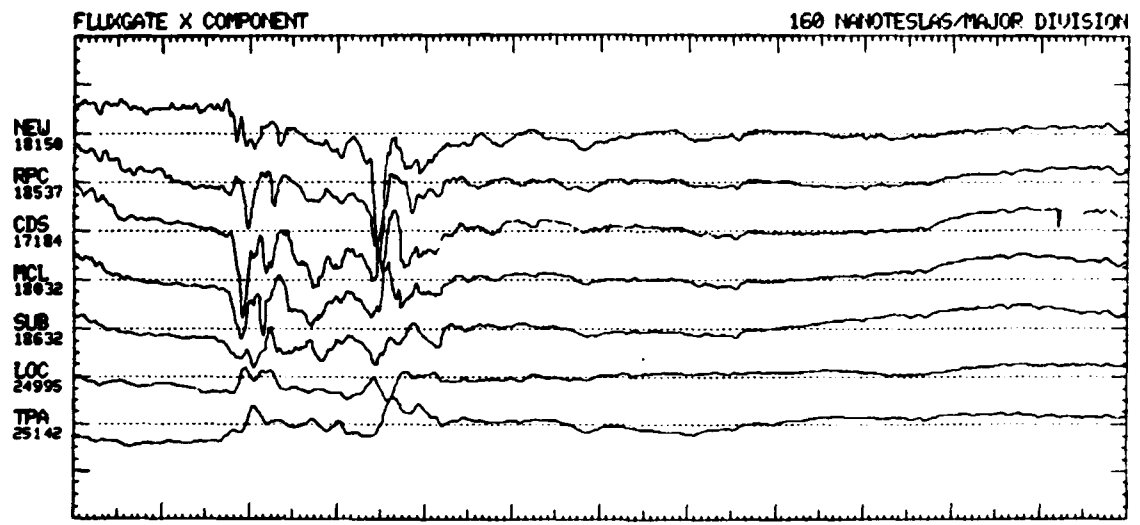
160 NANOTESLAS/MAJOR DIVISION

NEU
54799
RPC
54965
CDS
55663
MCL
55082
SUB
53447
LOC
42986
TPA
43492



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
03 JUL 78 (DAY 78.184) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

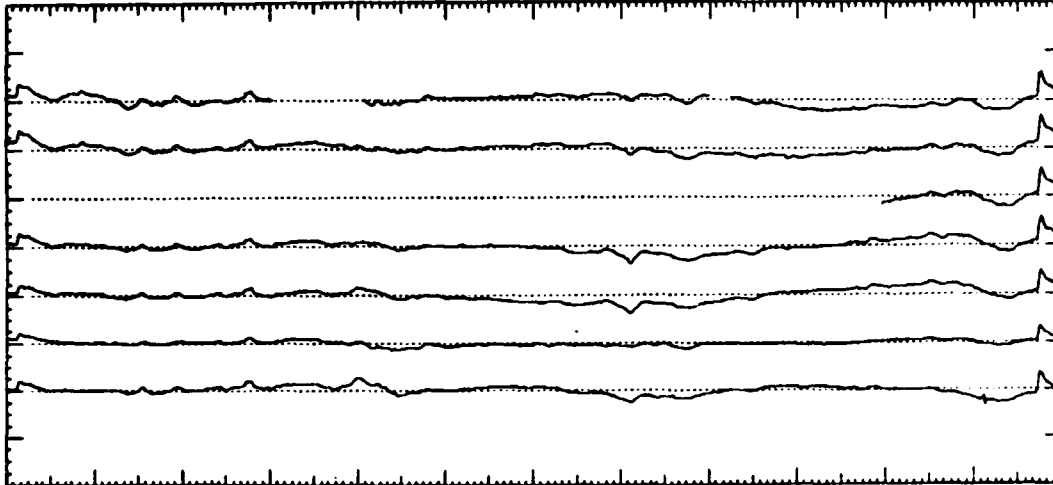




FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

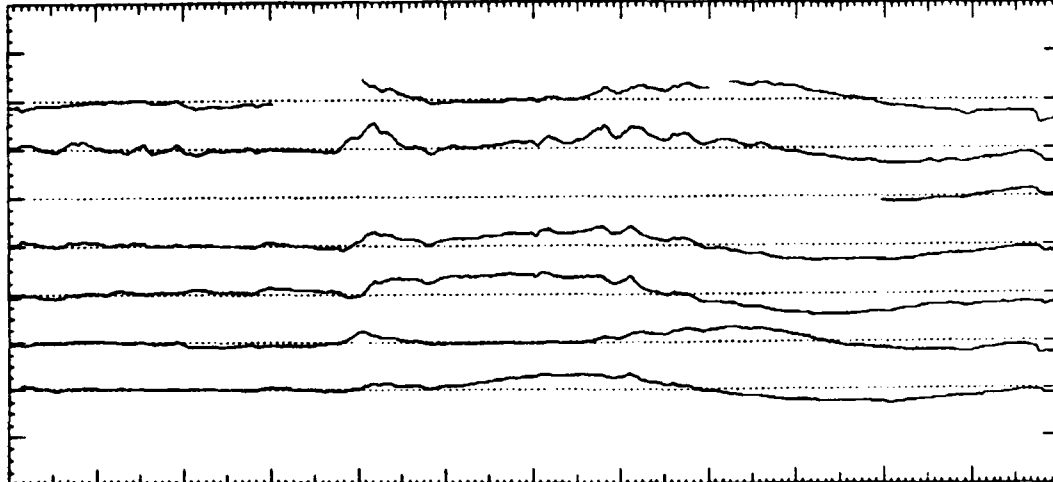
NEU
18191
RPC
18584
CDS
17261
MCL
18098
SUB
18700
LOC
25061
TPA
25200



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

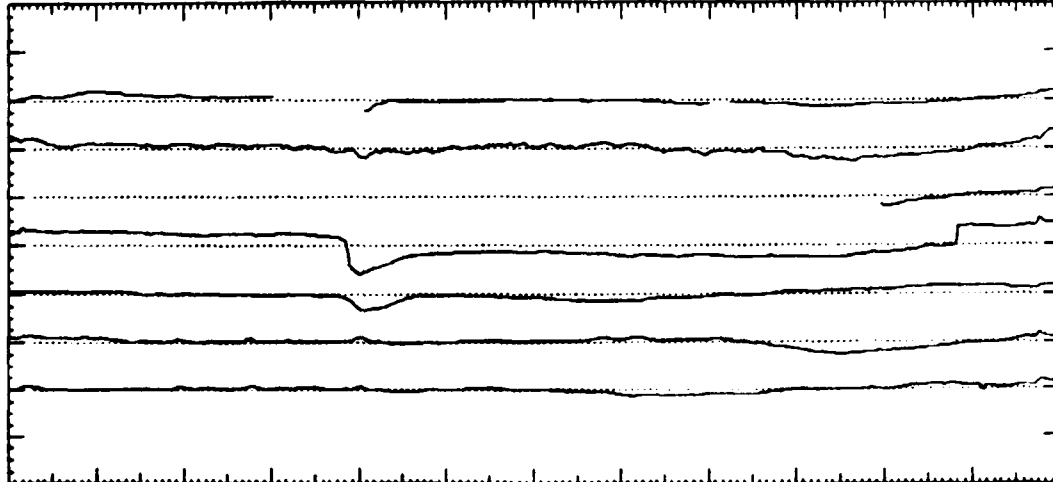
NEU
92
RPC
106
CDS
72
MCL
9
SUB
85
LOC
101
TPA
150



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

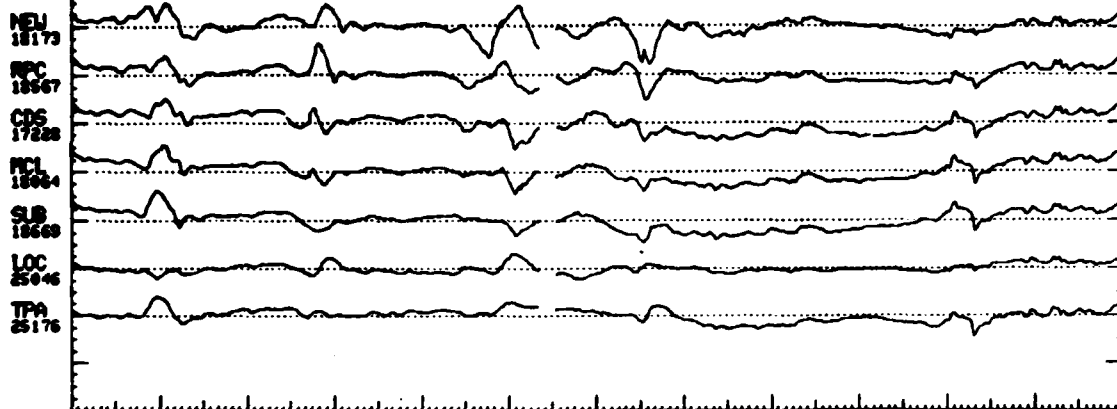
NEU
54795
RPC
5498
CDS
96691
MCL
95040
SUB
53429
LOC
42986
TPA
43489



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13 JUL 78 (DAY 78.194) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

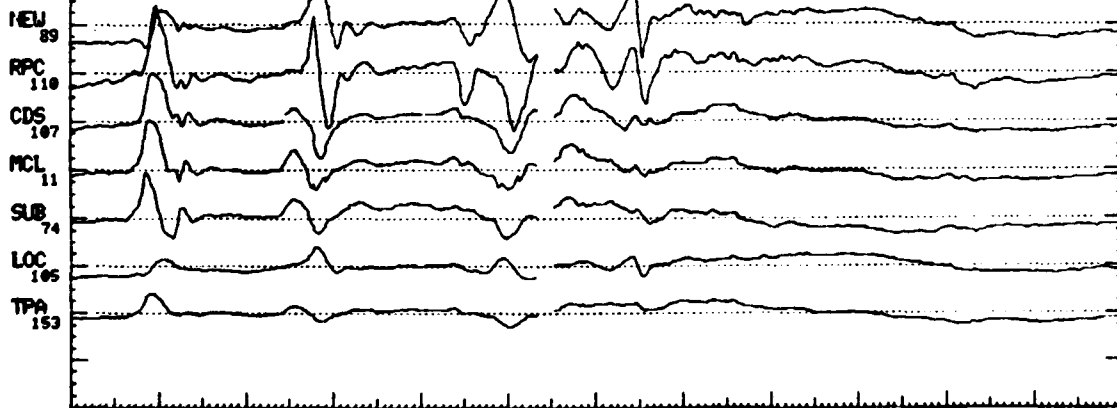
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



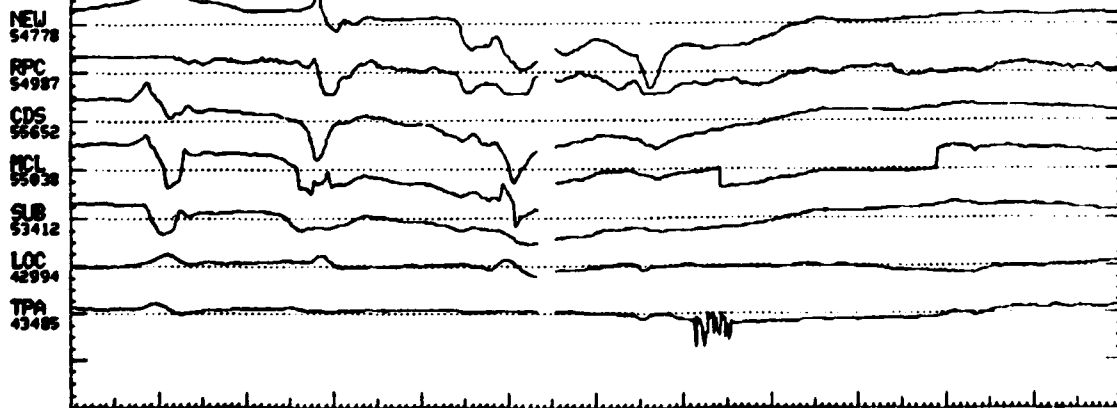
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

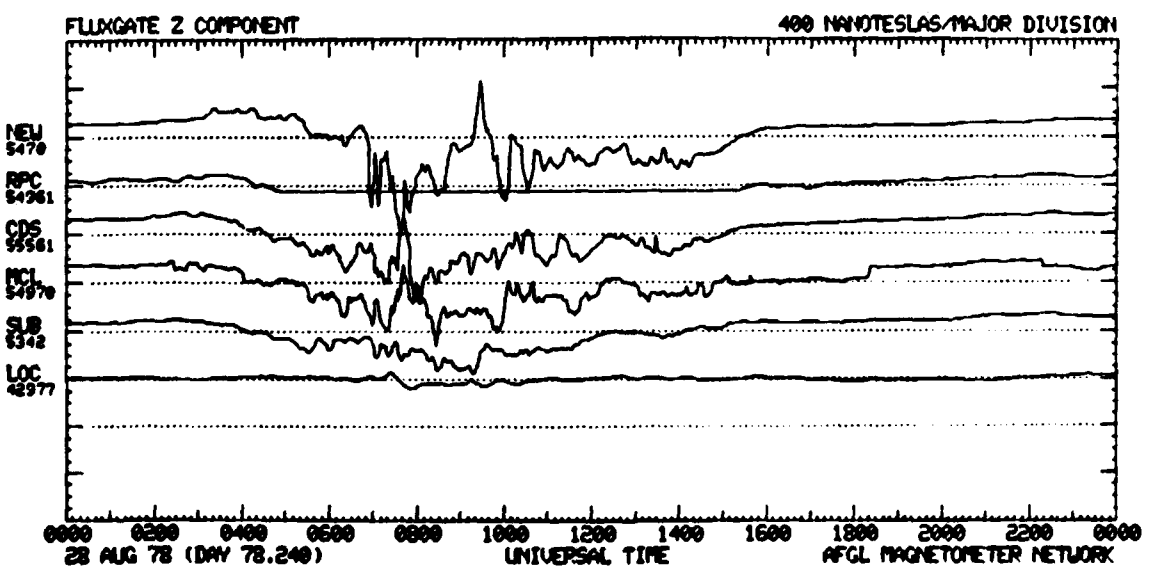
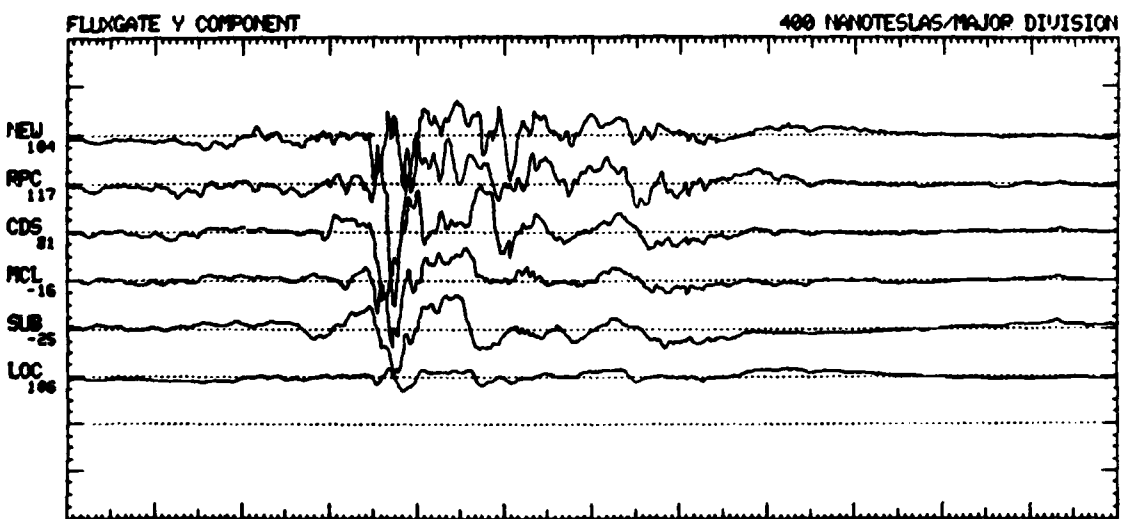
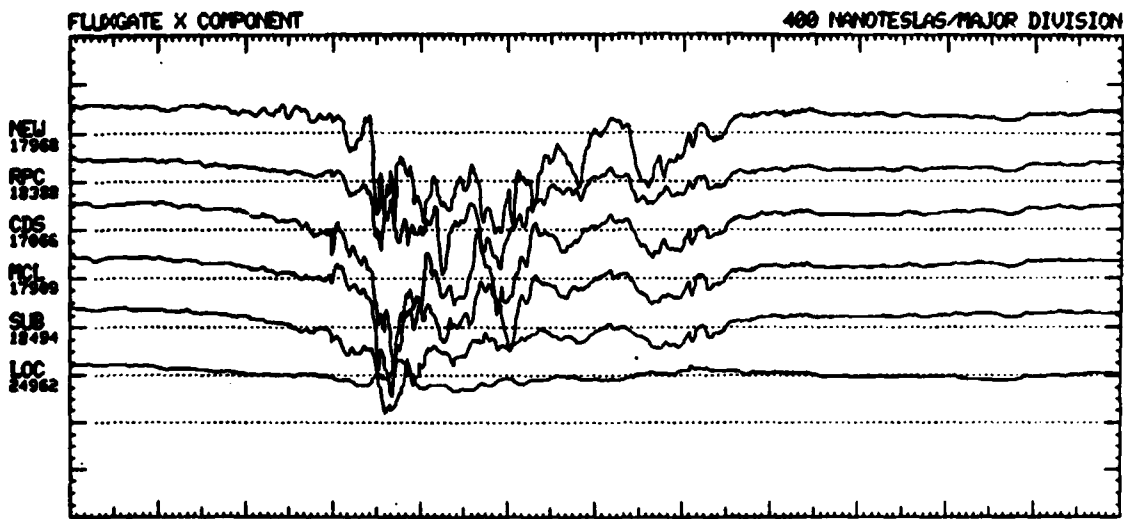


FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION



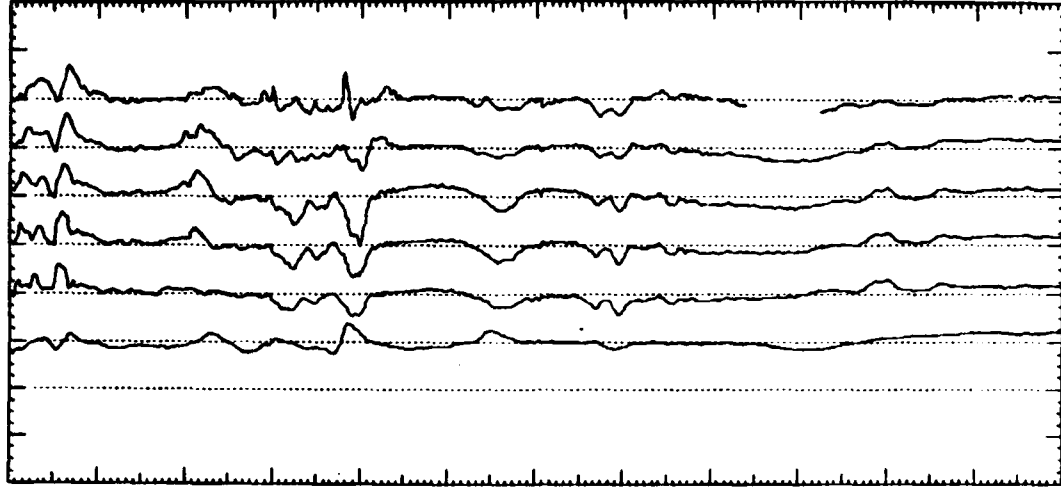
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
14 JUL 78 (DAY 78.195) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

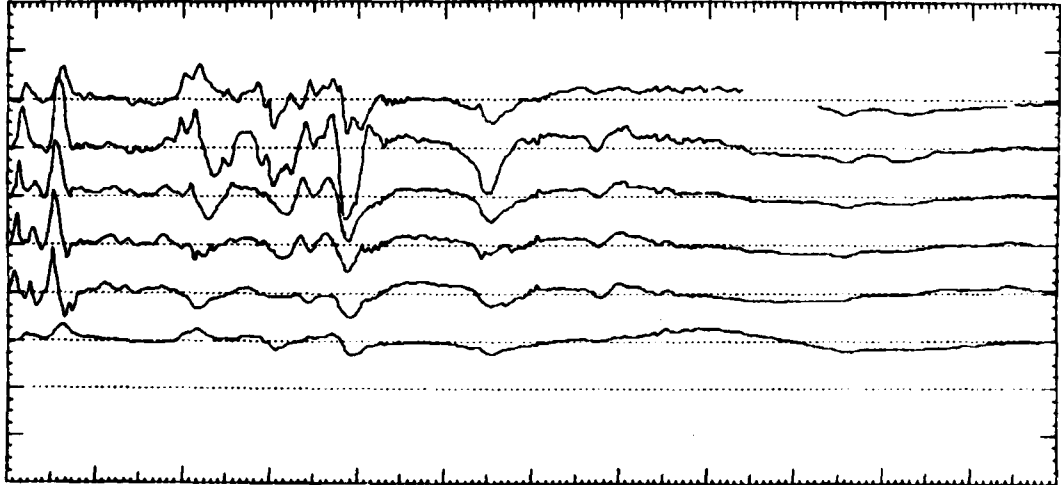
NEJ
18142
RPC
18525
CDS
17226
MCL
18029
SLB
18600
LOC
25007



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

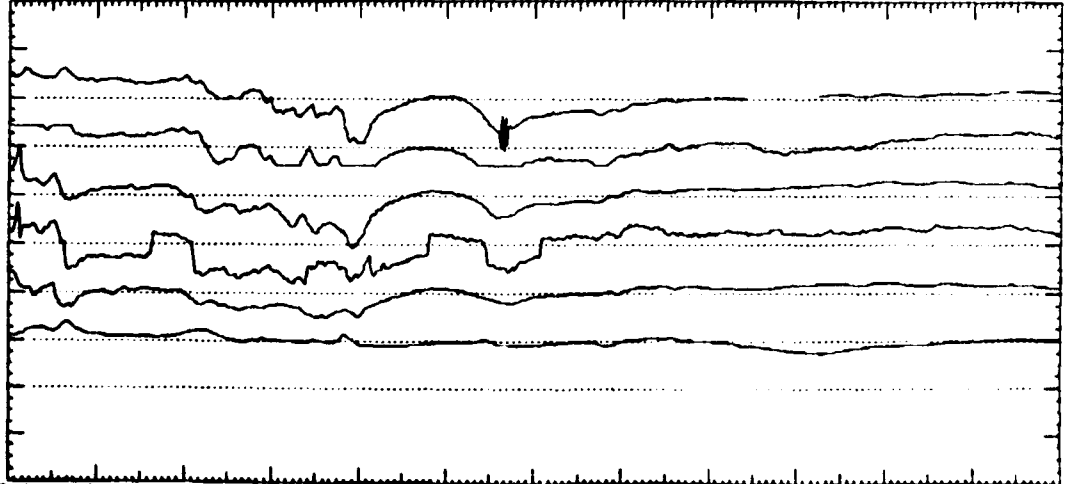
NEJ
99
RPC
107
CDS
87
MCL
-7
SLB
0
LOC
101



FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

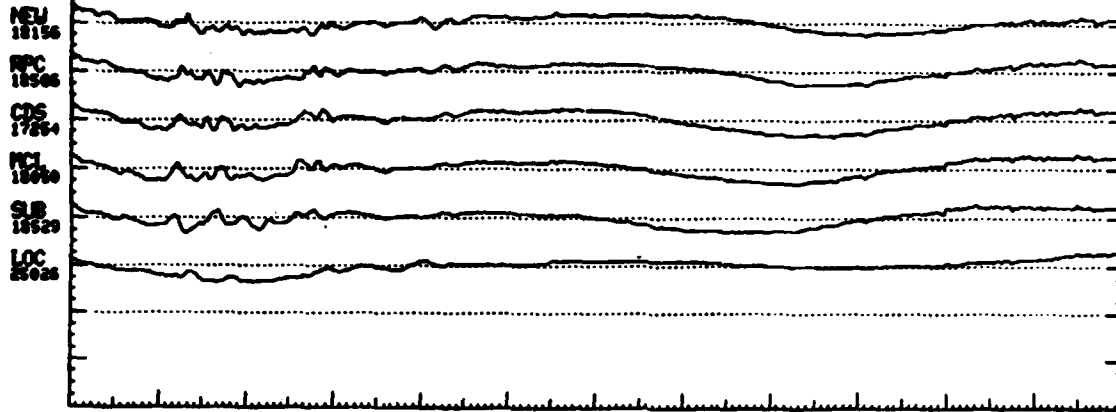
NEJ
54773
RPC
54973
CDS
55639
MCL
55059
SLB
53477
LOC
42998



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
29 AUG 78 (DAY 78.241) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK

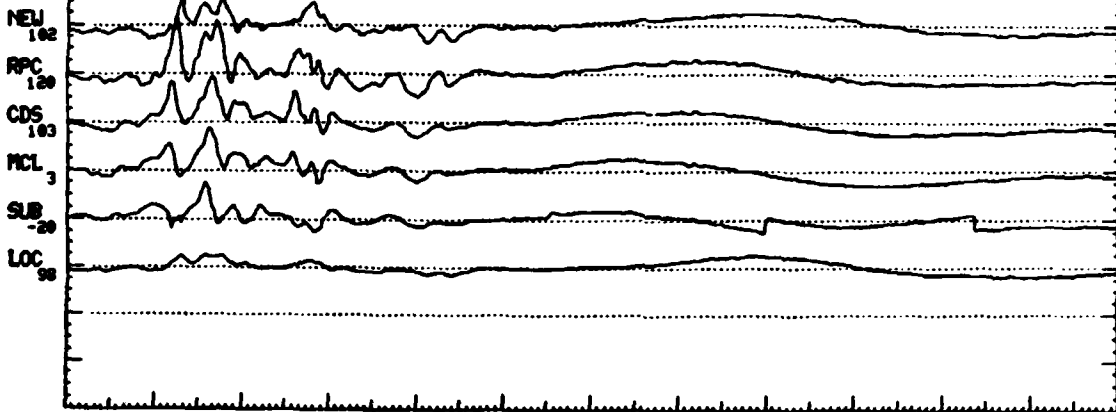
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



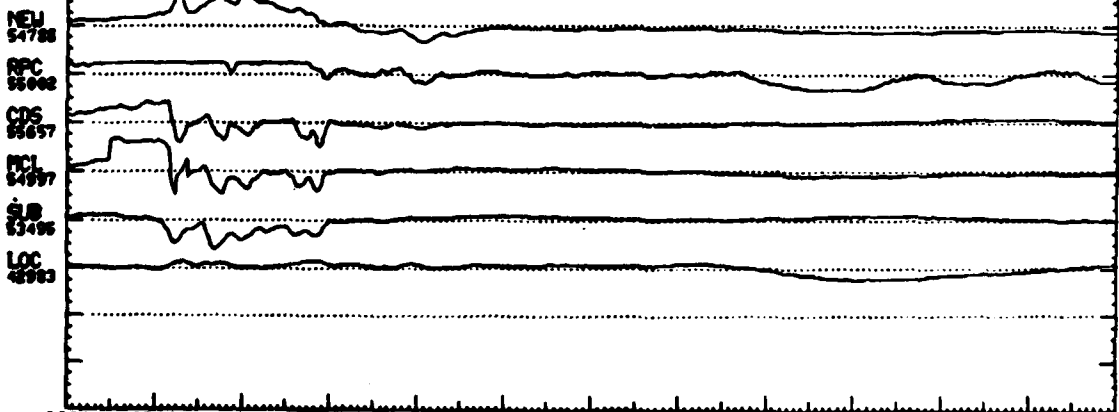
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

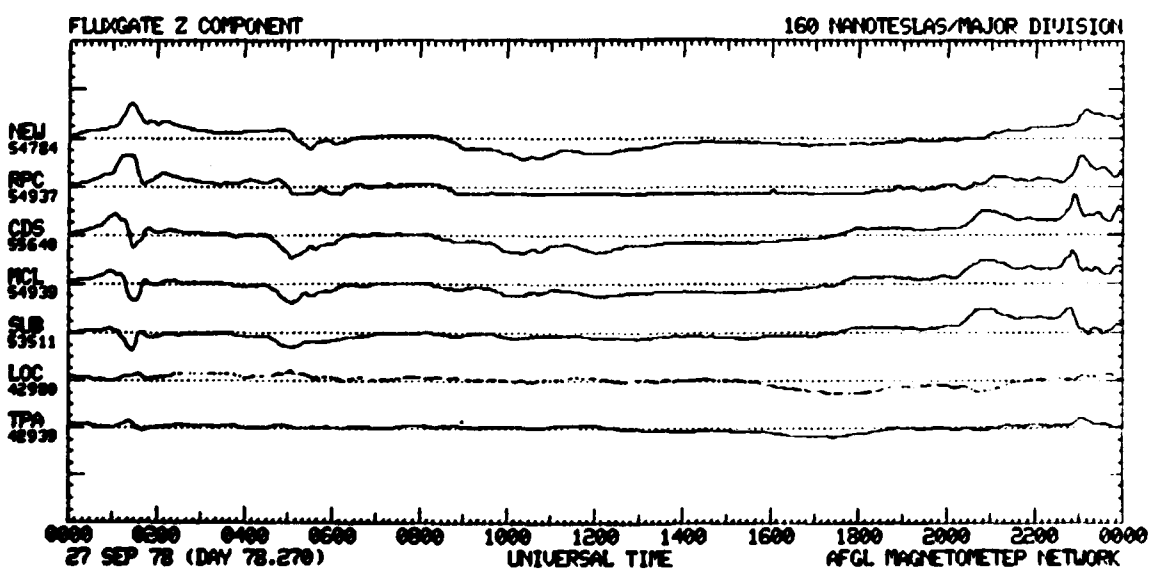
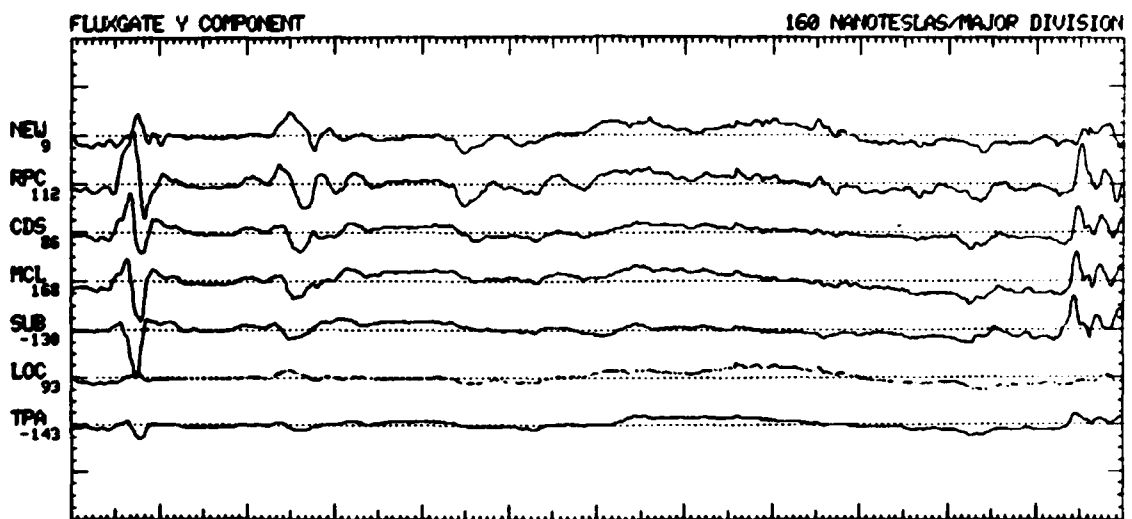
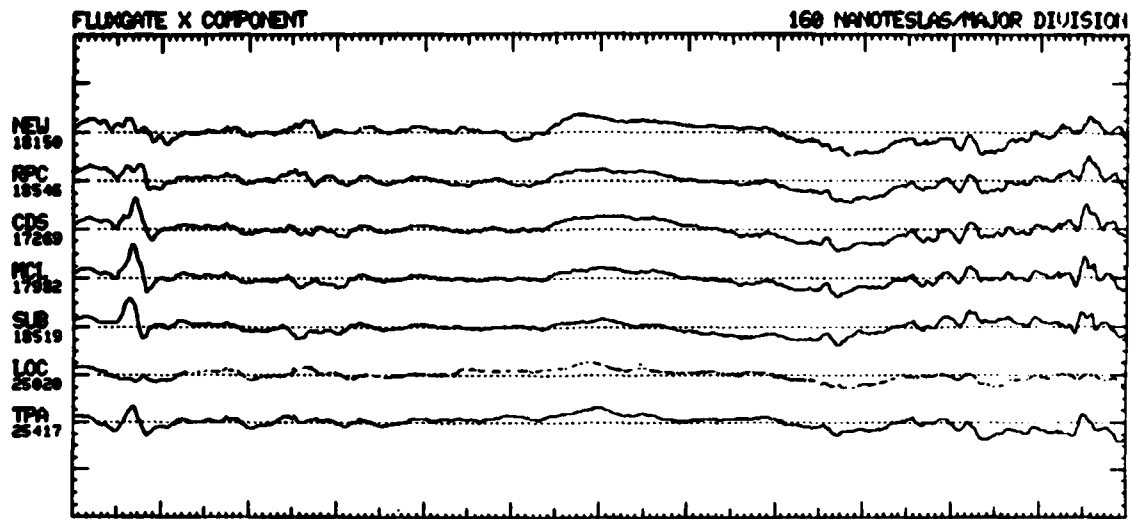


FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

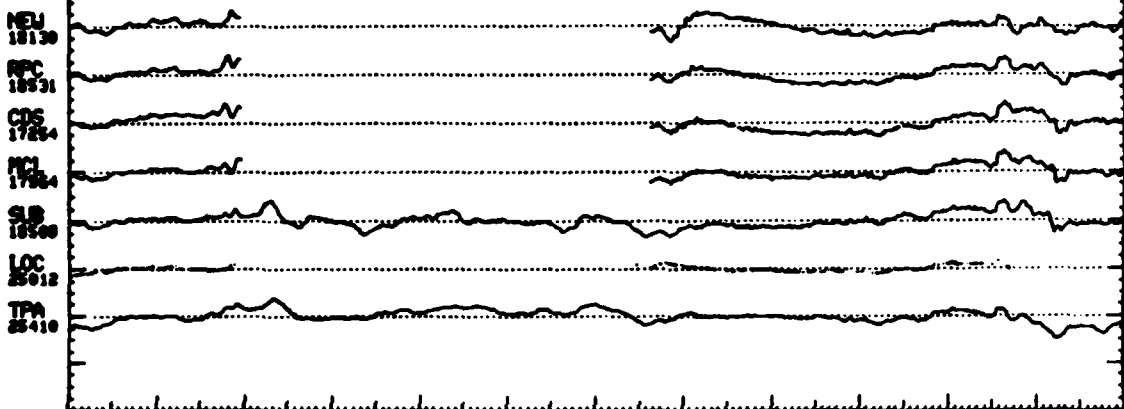


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08 SEP 78 (DAY 78.251) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



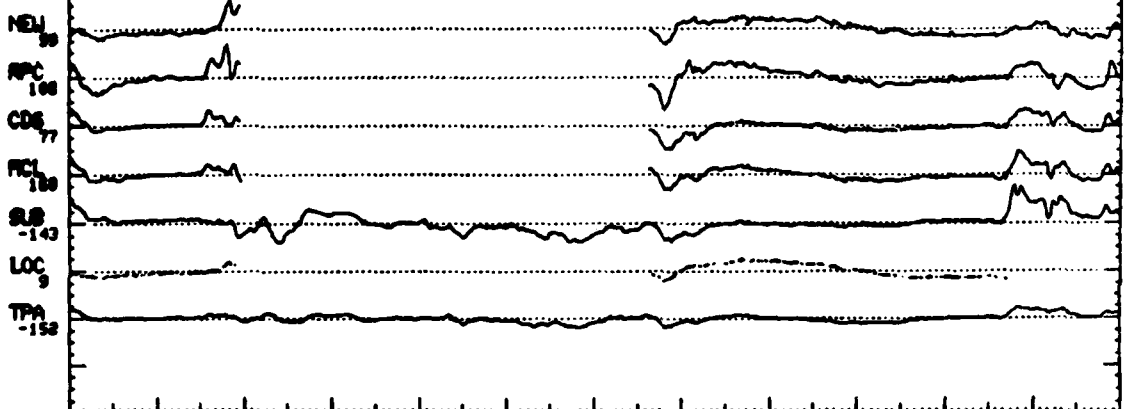
FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION



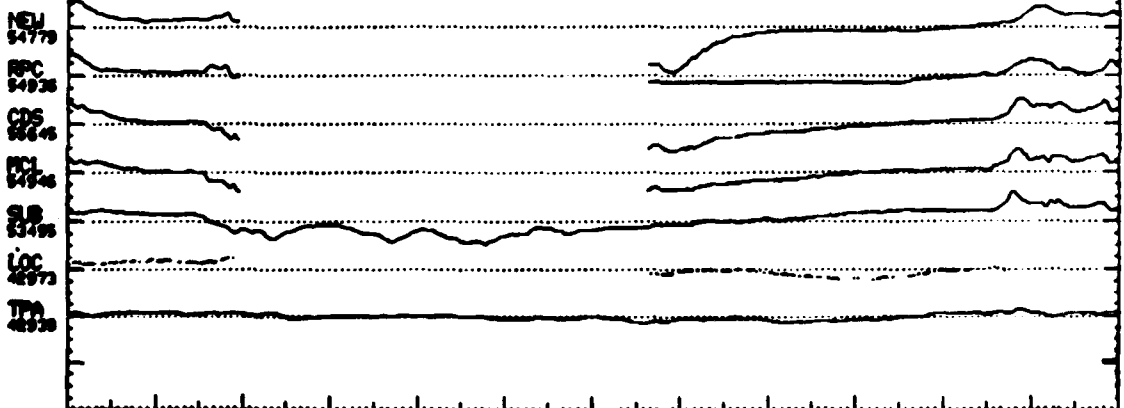
FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

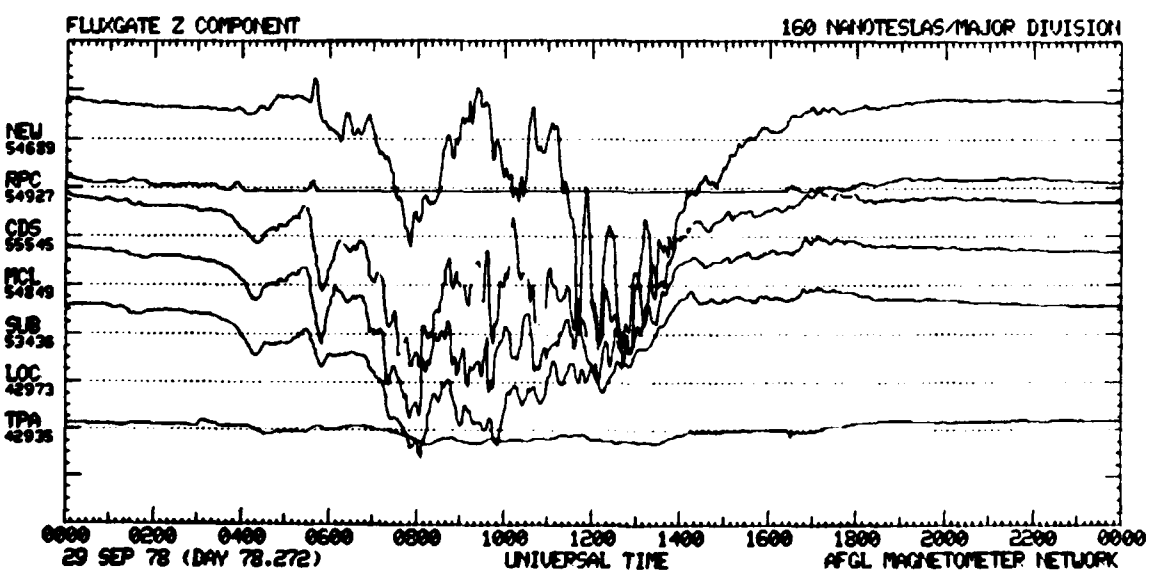
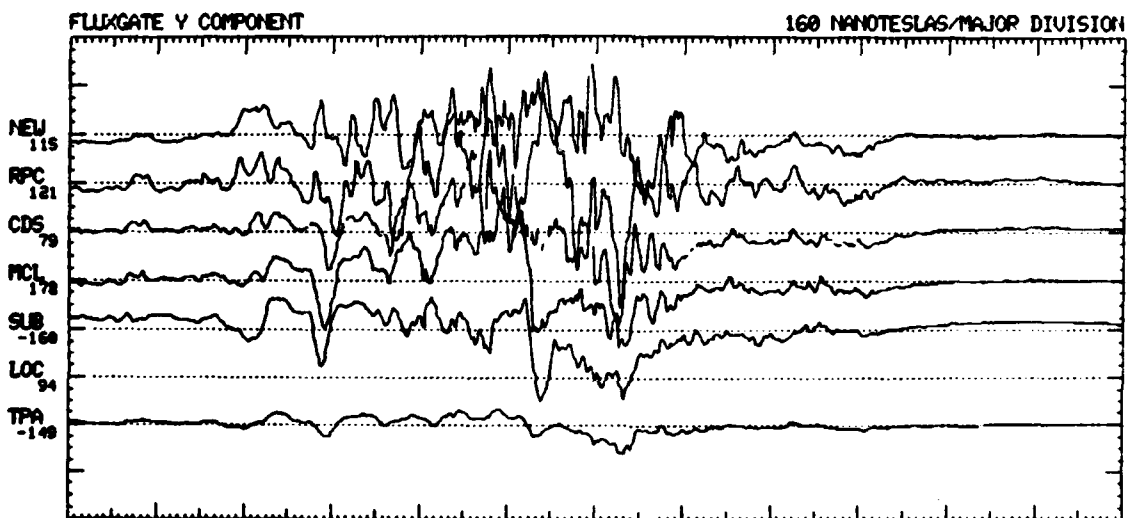
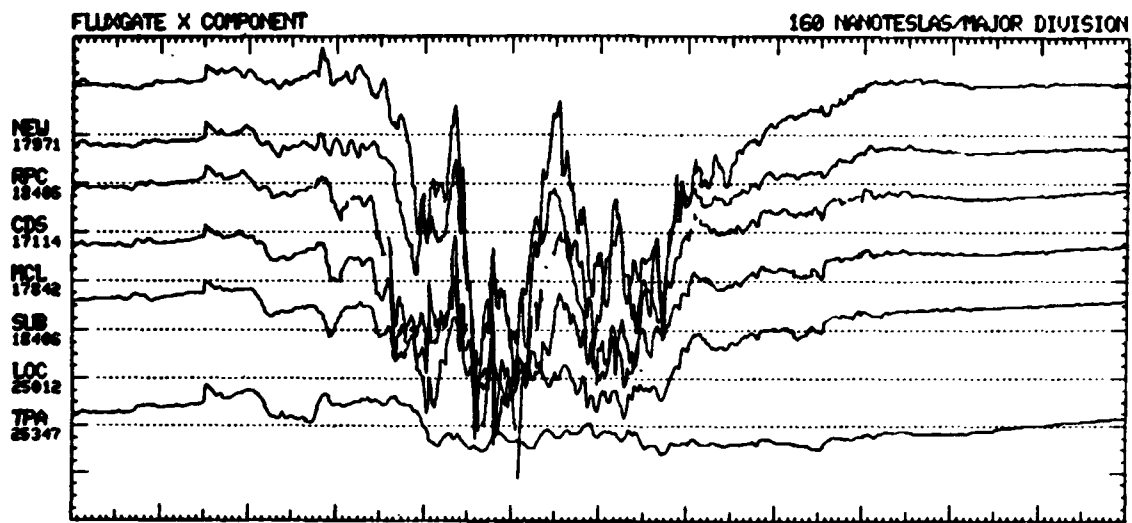


FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION



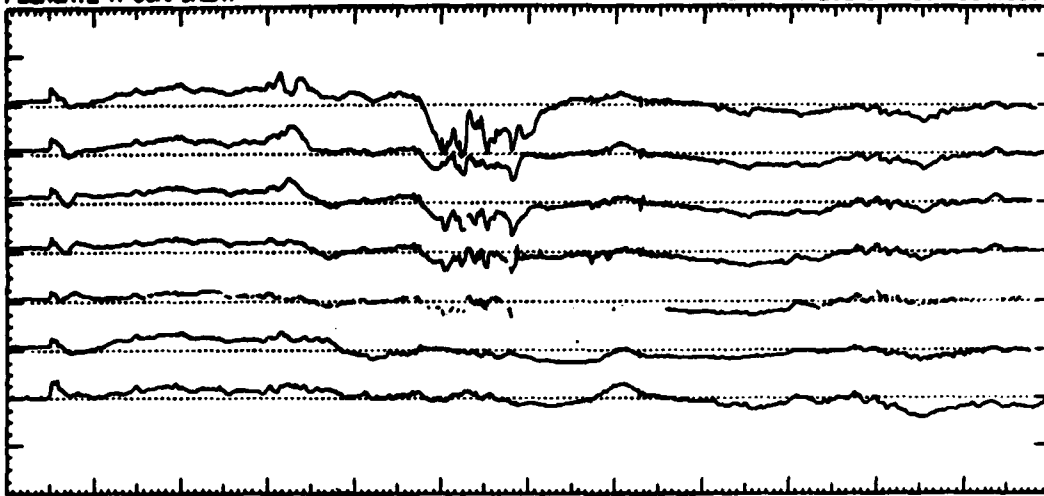
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28 SEP 78 (DAY 78.271) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

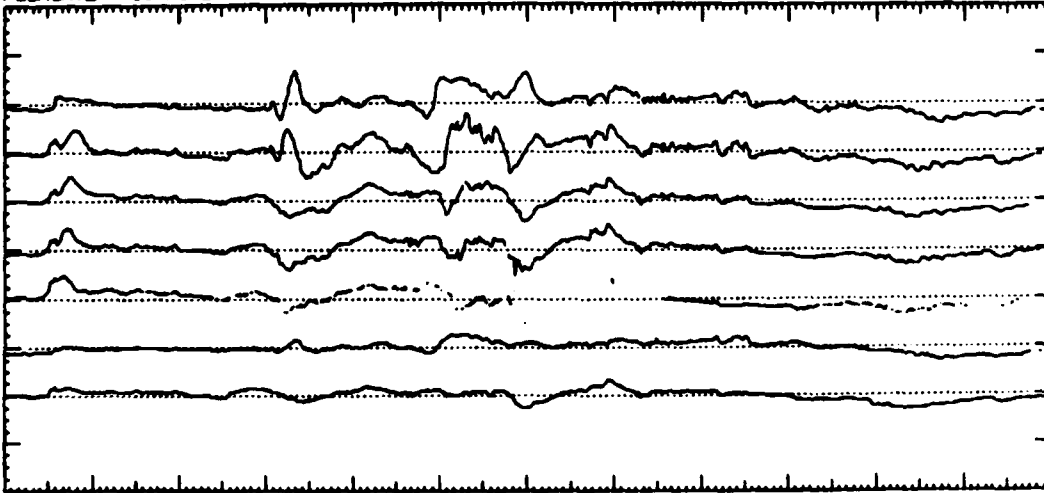
NEU
18118
RPC
18474
CDS
17883
PCI
17984
SUB
18813
LOC
84981
TPA
85388



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

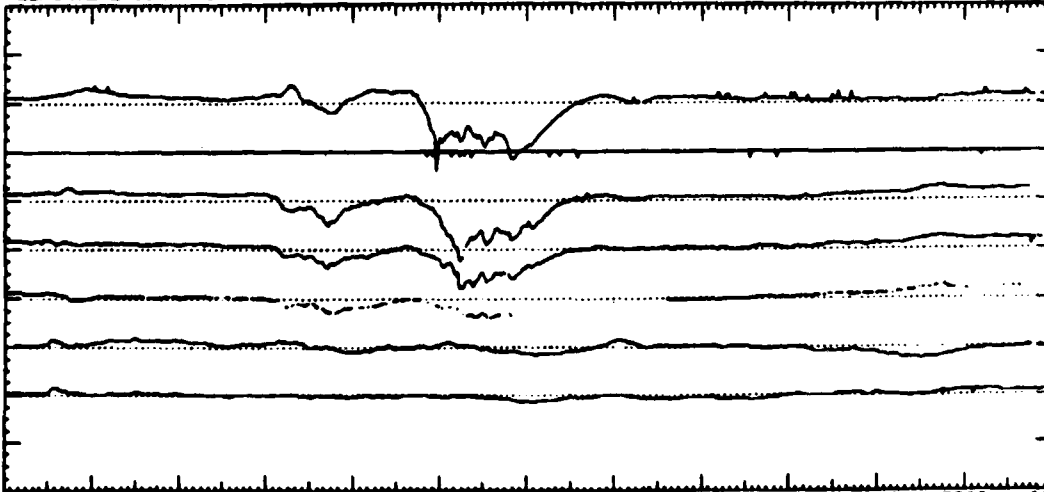
NEU
91
RPC
89
CDS
77
PCI
238
SUB
383
LOC
89
TPA
-166



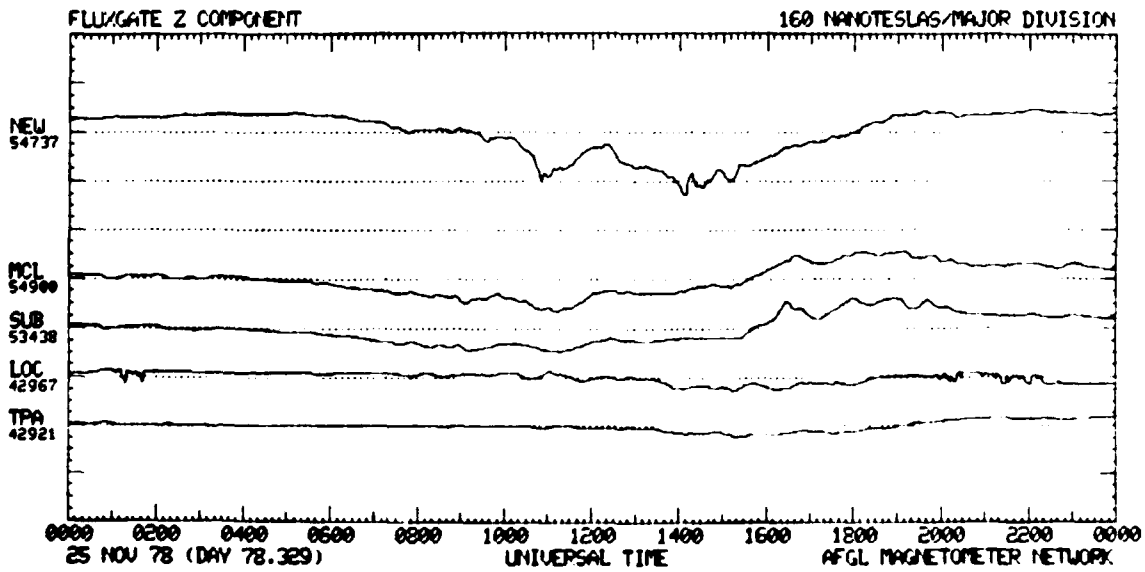
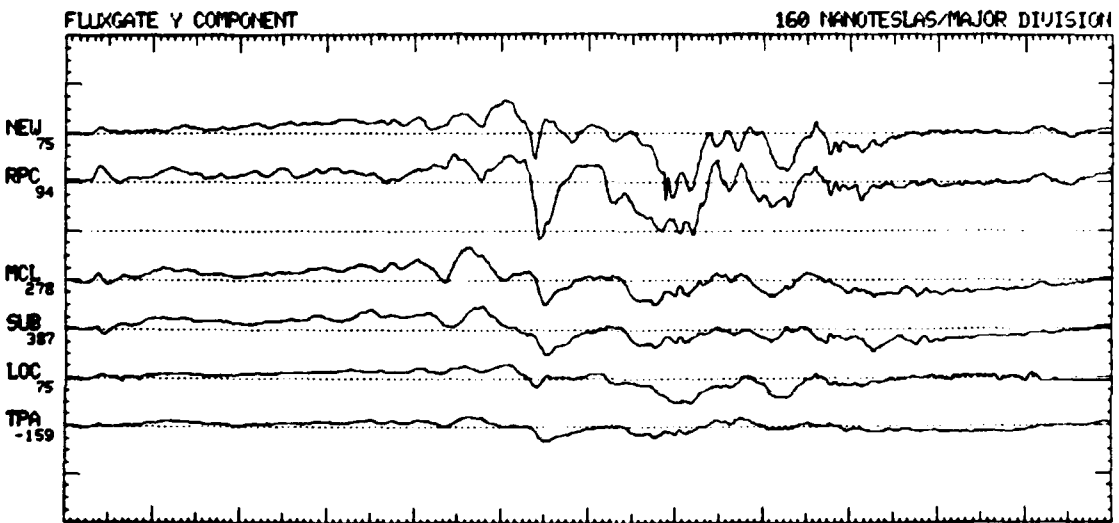
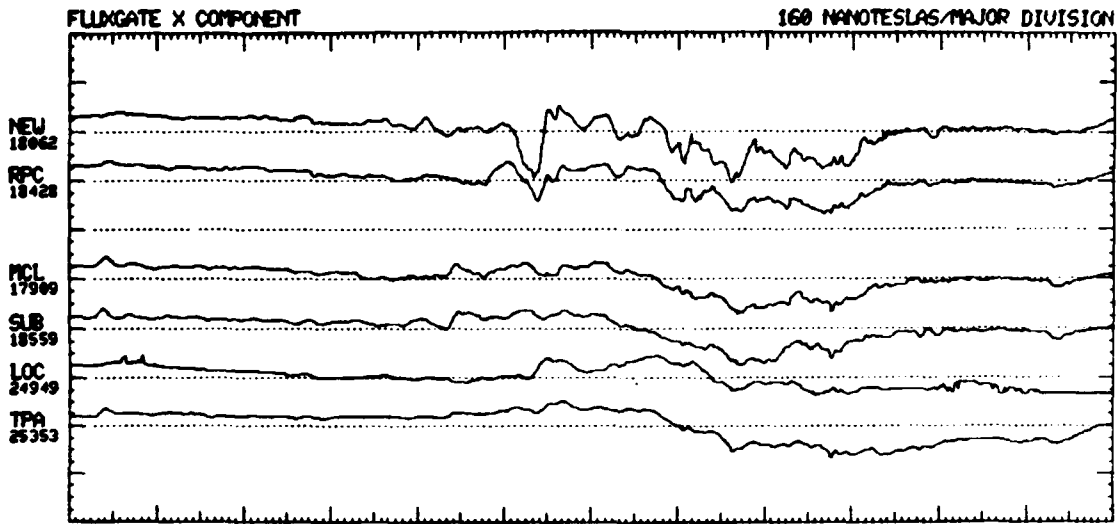
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54783
RPC
54918
CDS
55598
PCI
54898
SUB
53428
LOC
42982
TPA
42919



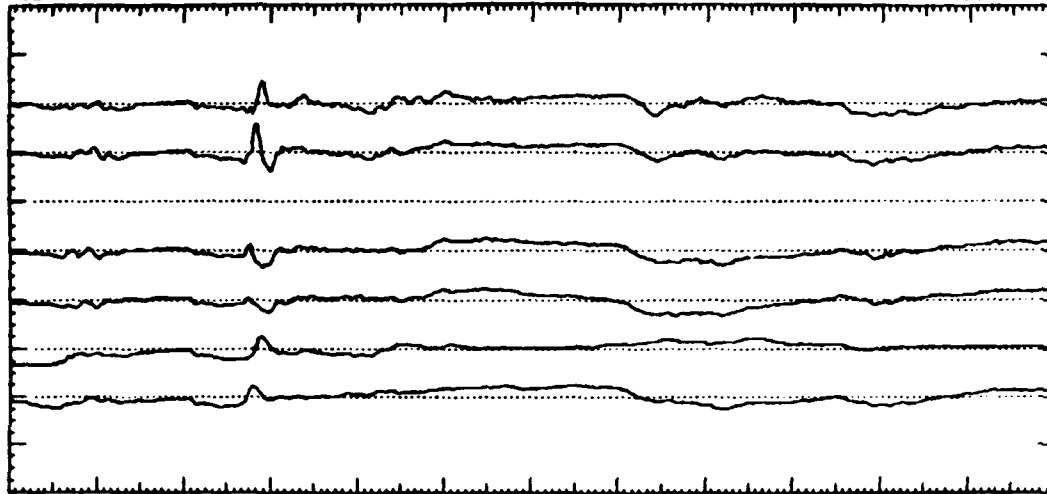
0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
12 NOV 78 (DAY 78.316) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



FLUXGATE X COMPONENT

160 NANOTESLAS/MAJOR DIVISION

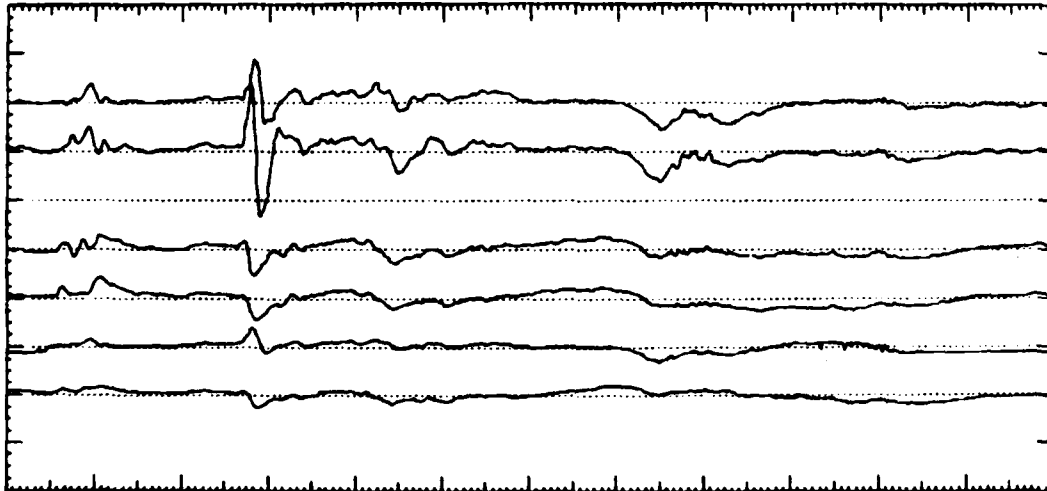
NEU
18103
RPC
18453
PCI
17930
SUB
18571
LOC
24951
TPA
25366



FLUXGATE Y COMPONENT

160 NANOTESLAS/MAJOR DIVISION

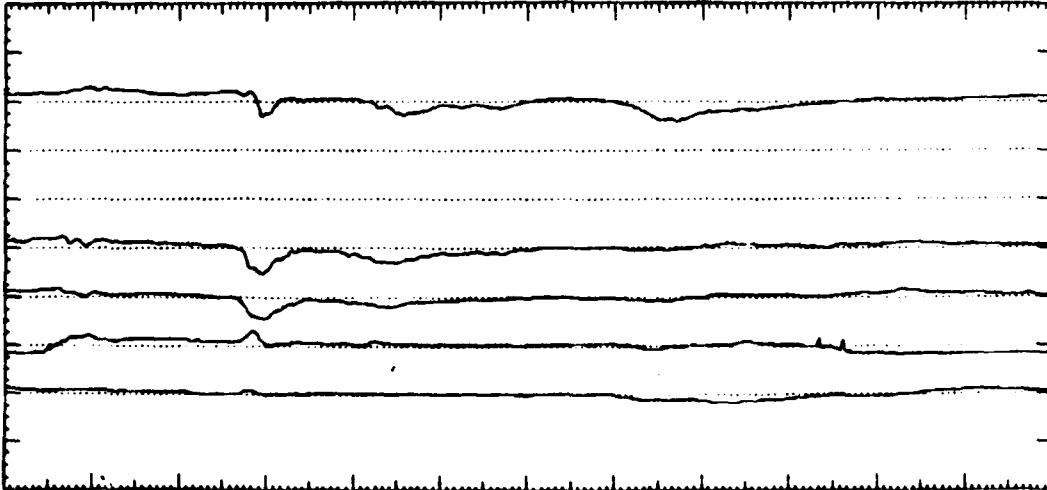
NEU
85
RPC
30
PCI
282
SUB
382
LOC
82
TPA
-165



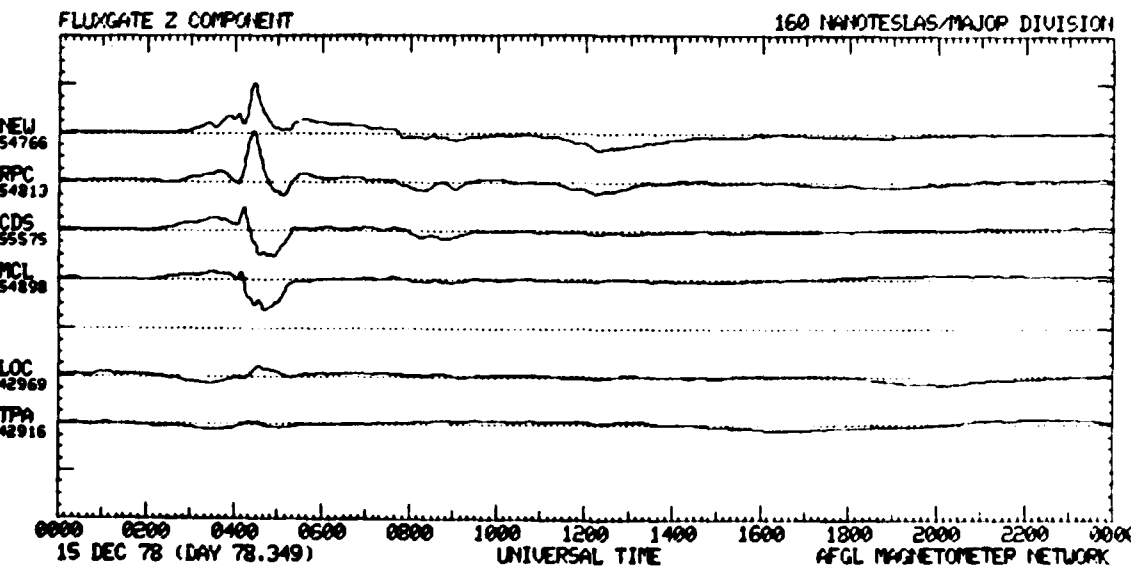
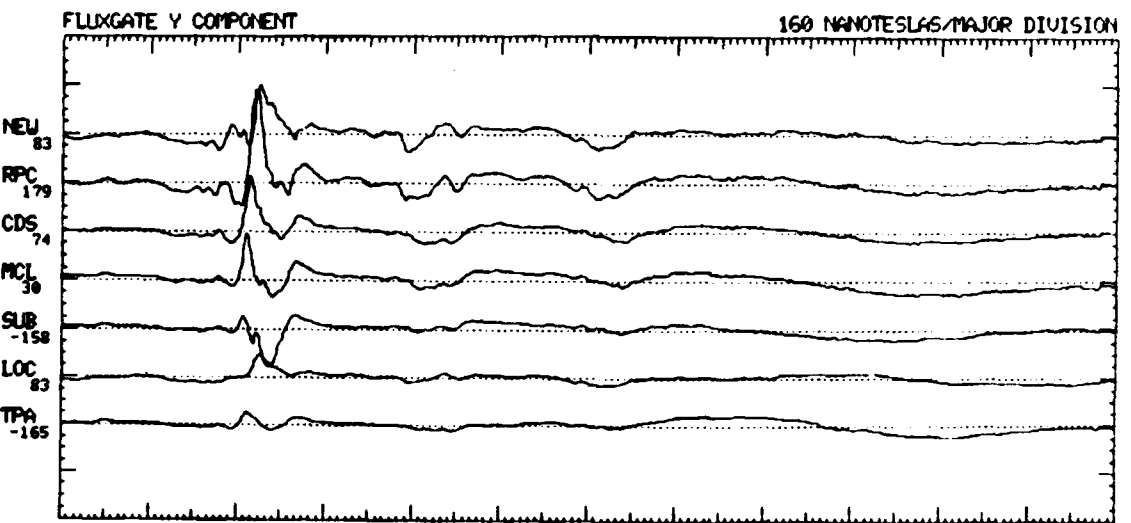
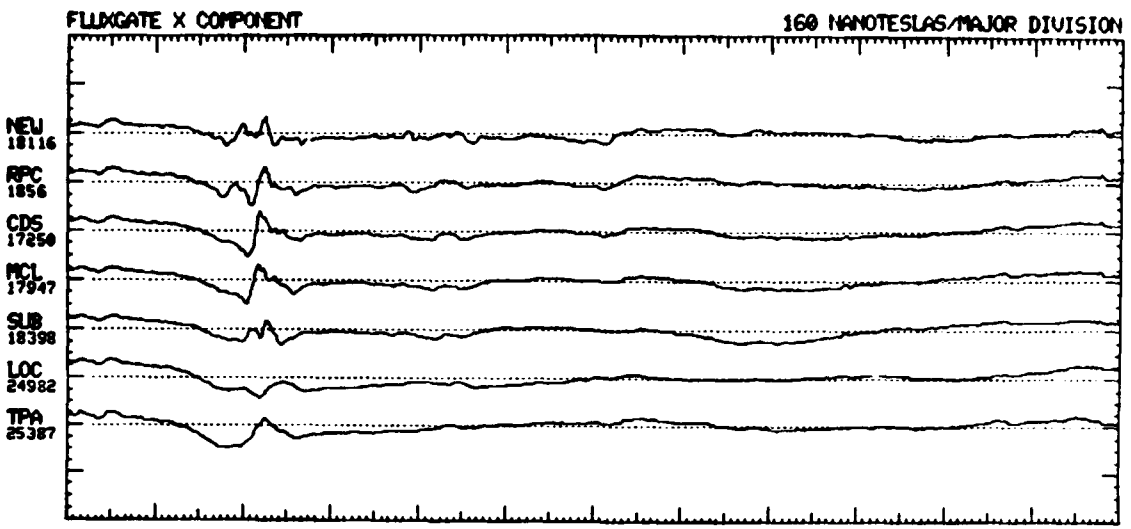
FLUXGATE Z COMPONENT

160 NANOTESLAS/MAJOR DIVISION

NEU
54775
PCI
54910
SUB
53440
LOC
4897
TPA
48928



0000 0200 0400 0600 0800 1000 1200 1400 1600 1800 2000 2200 0000
26 NOV 78 (DAY 78.330) UNIVERSAL TIME AFGL MAGNETOMETER NETWORK



END

DOTIC

8-86