

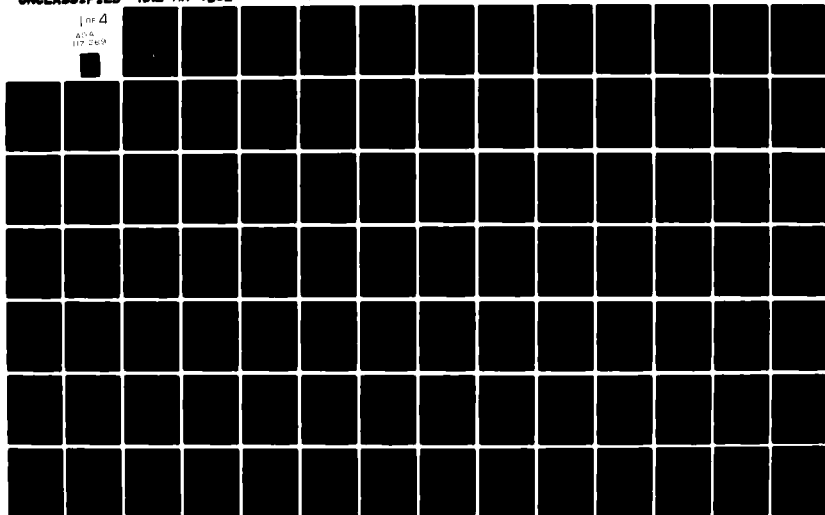
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AN ATLAS OF IONOSPHERIC F-REGION STRUCTURES AS DETERMINED BY TH-ETC(U)
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An Atlas of Ionospheric F-Region Structures as Determined by the NRL-747/S3-4 Ionospheric Irregularities Satellite Investigation

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Naval Research Laboratory in collaboration with the Air Force Space Test Program and the Office of Naval Research conducted an "in situ" ionospheric irregularities investigation using pulsed-plasma-probe instrumentation on the polar-orbiting STP/S3-4 satellite. The polar orbit made possible a global study of F-region ionospheric electron densities N_e , temperature T_e , irregularity structures δN_e and associated power spectral distributions $P_n(k)$. The data provide a fundamental base upon which to catalogue similarities and differences between polar and equatorial irregularities and ultimately sort out causal mechanisms coupling plasma instabilities, ionospheric irregularities, and associated effects (Continues)		

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20. ABSTRACT (Continued)

on communication and surveillance systems. In this report the experimental technique is briefly described, associated data sets outlined, and a complete catalogue of ionospheric density profiles is presented covering over 600 orbits of data during the period March-September 1978.

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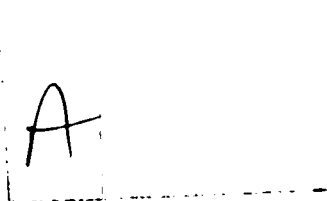
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**AN ATLAS OF IONOSPHERIC F-REGION STRUCTURES
AS DETERMINED BY THE NRL-747/S3-4 IONOSPHERIC IRREGULARITIES
SATELLITE INVESTIGATION**

1. INTRODUCTION

The Department of Defense has a continuing need for an improved understanding of plasma processes in the near-Earth charged-particle environment and their relationship(s) to military system operations in command, control, communication and intelligence (C³I). In recent years the need for improved understanding has turned from the definition of a quiescent laminar ionospheric model to an approach that recognizes that the ionosphere is more irregular than quiescent and that dynamic processes present significant challenges to systems-oriented predictive capabilities. With this perspective, the Naval Research Laboratory, in collaboration with the Air Force Space Test Program, conducted an "in situ" ionospheric irregularities investigation using pulsed-plasma-probe (P³) instrumentation on the polar-orbiting STP/S3-4 satellite. The investigation was part of a broader NRL effort in ionospheric research including rocket-borne experiments and complementary theoretical activities supported by the Defense Nuclear Agency and the Office of Naval Research.

The P³ is a specialized Langmuir probe using a pulse-modulated procedure for simultaneously measuring the ambient electron density N_e , temperature T_e , density fluctuation power spectra $\delta N_e^e \cdot P_n(k)$, and mean ion mass $\langle m_i \rangle$ under steady as well as highly irregular ionospheric plasma conditions¹⁻³.

The measurements of N_e and T_e provide the basic information on the laminar condition of the ionosphere, allowing for the determination of ultimate ionospheric response to varying conditions (solar, magnetospheric, and geophysical in origin), and the detection of potential triggering mechanisms believed responsible for the generation of ionospheric irregularities (e.g., steep gradients in N_e). While N_e and T_e help to identify zero-order conditions, the measurements of $\delta N_e^e \cdot P_n(k)$ were conducted in an effort to provide important test information for signal channel models as well as candidate instability mechanisms which might be activated in the ionospheric plasma. The simultaneous high-resolution measurements of mean-ion-mass $\langle m_i \rangle$ represented an exploratory aspect of the program in probing the ionospheric domains for evidence of coupling between electron density fluctuation power spectra and irregularities in ion composition.

Manuscript submitted October 21, 1981.

The S3-4 satellite was launched in March 1978 into a sun-synchronous (2230 LT nightside equatorial crossing) polar-orbit at lower F-region altitudes and operated successfully until planned termination in September 1978. The orbit (see Table 1 for detailed characteristics) made possible a global study of N_e , T_e and $P_n(k)$, an information set that will help catalogue similarities and differences between polar and equatorial irregularities and ultimately sort out first and second-order cause-effect relationships operating among plasma instabilities, ionospheric irregularities, and associated effects on C³I systems in the HF-EHF electromagnetic wave propagation domain.

Figure 1 presents a phenomenological perspective of various geoplasma domains covered in the S3-4 investigation. The schematic presentation is in the noon-midnight meridian, with the midnight equator at the very left of the Figure, the north polar cap in the center, and the noontime equator to the right. The ionospheric plasma "biteouts" illustrated at nighttime equatorial latitudes represent one of the most dramatic features of ionospheric structure studied in the S3-4 effort. These "biteouts" are naturally occurring ionospheric holes which can be three decades deep in depletion and can have widths ranging from fractions of a kilometer to tens of kilometers⁴⁻⁷. There can be major changes in ion chemistry which take place across the boundaries of the holes...changes which now appear to be trendable and strongly coupled to the mechanism(s) which generate the holes themselves^{8,9} and cascade the irregularity distributions from tens of kilometers to fractions of a meter^{10,11}. These irregularities, generally identified with the disturbed ionospheric state called equatorial spread-F, are responsible for nighttime equatorial scintillations known to seriously limit the reliability of communication satellites. Studies have shown that scintillations near 250 MHz can be very intense (e.g., Ref. 12), exceeding 25 db peak-to-peak, fading quite regularly into the system noise. Existing data show that UHF satellite systems can have 50% outages between 1800 and 2400 hours local time in equatorial regions, and the phenomenon is known to impair signal quality up through frequencies in the gigahertz domain (e.g., Ref. 13 and associated bibliography).

Outside the nighttime equatorial domain the regions of primary interest in the S3-4 study of F-region irregularities involve the main trough, auroral oval, and the ionospheric domains encompassing the ring current, polar wind and the cusp. The mid-latitude and dayside equatorial F-regions are generally very regular in structure and consequently of less interest.

Table 1 - S3-4 Orbital Characteristics

Inclination	96.4°
Altitude	165 (+ 5) km x 250 (+20 / -13) km
Argument of Perigee.....	126.4° (53.4°N dayside)
Average Orbital Velocity.....	7.53 km/sec
Operational Period (P ³ Data) ..	30 Mar - 10 Sep 1978

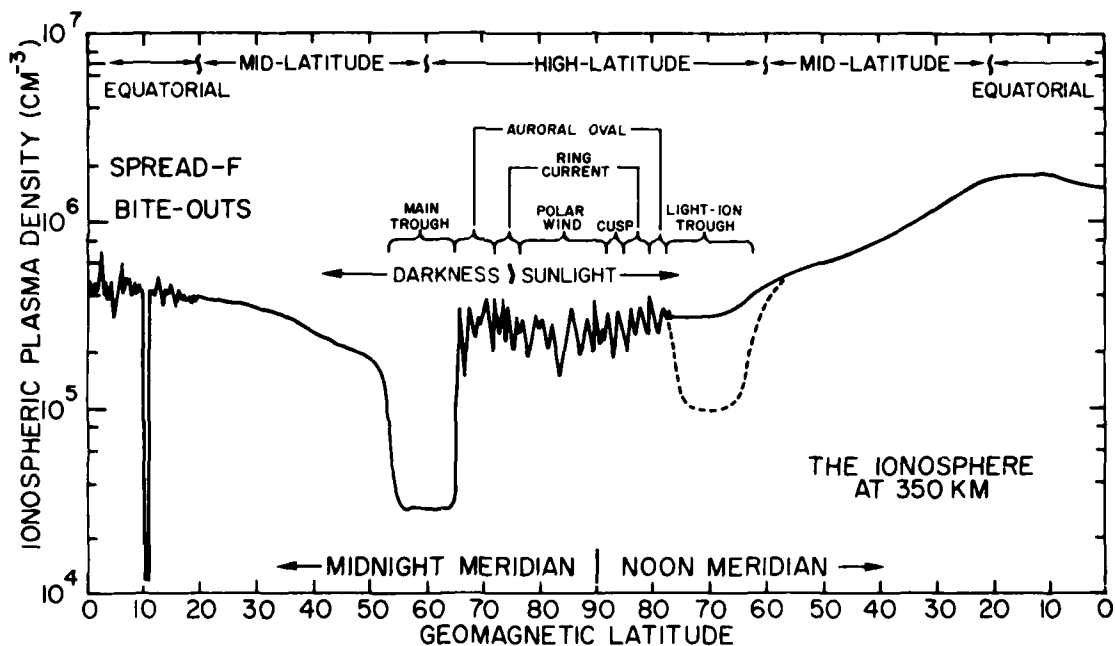


Fig. 1 - Phenomenological perspective of various geoplasma domains in the S3-4 investigation

Within the framework of the relatively simple picture in Figure 1, the improved plasma diagnostic capabilities on the S3-4 satellite and associated analysis efforts will attempt to assemble a relatively comprehensive catalogue of polar and equatorial irregularities along with an improved understanding of their cause-effect relationships. Indeed, some initial results have already been published^{7,14-16}. In the subsequent sections, the experimental technique will be described, associated data sets outlined, and a catalogue of S3-4 ionospheric plasma observations will be presented for the entire mission lifetime. The catalogue is intended as a compendium of preliminary results and as a major reference for more detailed studies and collaborative investigations.

2. TECHNICAL OVERVIEW

2.1 Total Payload Complement

The S3-4 payload comprised five independent experiments intended to observe and/or measure the sun glint/glare regions of the Earth, vacuum ultraviolet airglow and associated auroral morphology, atmospheric density distributions at orbital altitudes, cosmic ray background distributions, and ionospheric F-region irregularity structures. The instruments, associated experimenter institutions, and related measurement objectives are listed in Table 2. Additional details on instrumentation and payload configuration are compiled in LMSC/D573879 Report (Lockheed Missile and Space Corporation, Sunnyvale, CA) Revision D, dated 27 February 1978, and entitled "S77-2 Experiment: Flight Requirements and Operations Plan".

2.2 Probe Experiment and Relationship of Raw-Data to Ionospheric Parameters

The NRL-747 experiment employed the pulsed-plasma-probe (P^3) technique for direct high-resolution measurements of ionospheric F-region parameters. The instrument is a Langmuir-type probe using a special electronic procedure¹⁻³ for generating the classical Langmuir current-voltage characteristic¹⁷ illustrated in Figure 2.

The current drawn by the probe from the plasma is a function of the probe size and geometry, the probe voltages, and the plasma densities, particle distribution functions, and collision frequencies. Consequently, a current-voltage characteristic of a probe imbedded within a plasma is rich with information about that plasma.

Table 2 — S3-4 Experiment Complement

EXPERIMENT DESIGNATION	MEASUREMENT OBJECTIVES	EXPERIMENTER INSTITUTION
SRE/TRE (Space Resolved Experiment/ Time Resolved Experiment)	Sun glint/glare regions of the Earth; natural and man-made optical events of varying intensities and durations	Sandia Laboratories
CRL 246/VUV (Vacuum Ultraviolet)	Vacuum ultraviolet airglow and associated global morphology	Air Force Geophysics Laboratory
CRL 247/PFA (Particle Flux Accumulator), CCC (Cold Cathode Gauge, and ROCA (Rotating Calibration Accelerometer)	Atmospheric neutral densities, spatial/temporal variations, and associated aerodynamic drag	Air Force Geophysics Laboratory
NRL 747/P ³ (Pulsed Plasma Probe)	Ionospheric plasma density, temperature, and associated irregularity distributions	Naval Research Laboratory
ONR 305/Cosmic Rays	Cosmic ray survey and possible relationship to magnetospheric processes	University of Washington

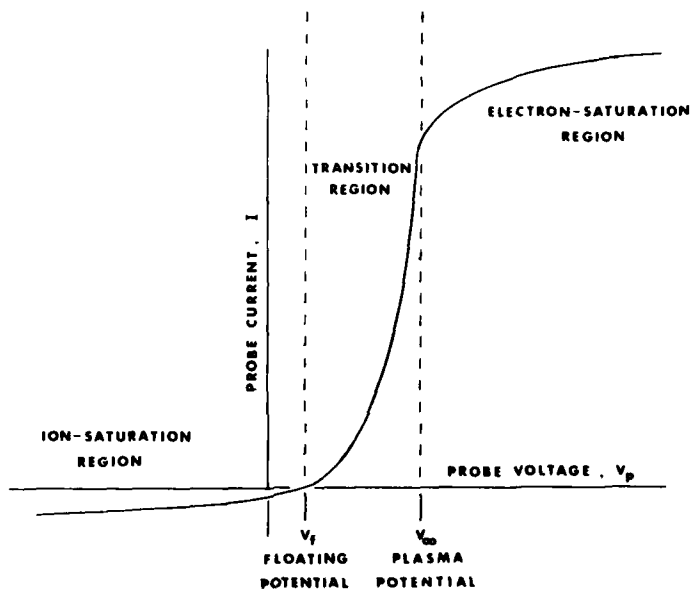


Fig. 2 — Classical Langmuir current-voltage characteristic for a cylindrical probe

In the simplest form applicable to the S3-4 experiment the current drawn by a cylindrical probe in the three regimes depicted in Figure 2 can be represented as

$$I = N_e A_p e \sqrt{2e/M_e \pi^2} (V_p - V_\infty)^{1/2} \equiv I_e(\text{sat}) \quad (1)$$

for electron saturation currents at probe potentials V_p substantially greater than the plasma potential V_∞ ; as P^3

$$I = N_e A_p e \sqrt{kT_e/2\pi M_e} \exp [e(V_p - V_\infty)/kT_e] \equiv I_e(\text{trans}) \quad (2)$$

in the transition (or retarding-field) region when ion currents can be ignored or accounted for in the analysis procedure; and as

$$I = N_e A_p e \sqrt{kT_i/2\pi M_i} \sqrt{\frac{2}{\pi} \left(\frac{|e(V_p - V_\infty)|}{kT_i} + \frac{M_i u^2}{2kT_i} \right)^{1/2}} \equiv I_i(\text{sat}) \quad (3)$$

for $M_i u^2/2 \sim |e(V_p - V_\infty)|$ with the probe axis perpendicular to the satellite velocity u , and for cases in which photo-emissive currents can be ignored ^{17,19}.

In equations (1)-(3) the quantities as yet unidentified are

N_e ... electron density

A_p ... probe area

T_e, T_i ... electron (ion) temperature

M_e, M_i ... electron (ion) mass

e ... unit electron charge

k ... Boltzmann constant

In general, the regions of probe current collection are analyzed independently with $I_e(\text{sat})$, $I_e(\text{trans})$, and $I_i(\text{sat})$ providing direct measurements of electron density N_e , temperature T_e , and ion mass M_i , respectively. Analysis procedures are relatively straightforward for conventional Langmuir probes in quiescent, homogeneous plasma environments. However, in highly irregular plasma environments (the primary focus in the S3-4 experiment) special procedures, both experimental and analytical, must be employed in order to make valid applications of equations (1)-(3). The P^3 technique has been designed for these purposes.

2.3 Features of the P^3 Technique

The P^3 technique uses a pulsed-voltage procedure for generating the raw current-voltage characteristic¹⁻³. The result is improved reliability and expanded versatility in Langmuir probe measurement. As a diagnostic tool, the P^3 technique reduces commonly found distortions in derived electron densities and energy distribution functions. A unique feature of the technique is its ability to measure simultaneously the electron temperature, density, and the density fluctuation power spectrum.

Fig. 3 shows two types of voltage waveforms that can be applied to the probe. Fig. 3(A) depicts a linear sawtooth sweep voltage which represents a conventional approach to Langmuir probe operation wherein some form of continuous voltage sweep is applied between voltage limits V_- and V_+ . Fig. 3(B) shows the pulse-modulated sweep which has been utilized with P^3 . The voltage pulses which follow the sawtooth envelope generate the probe's current-voltage characteristic. During the interpulse period, at constant voltage V_B , the collected probe current I_B (proportional to N in first order when $I_B = I(\text{sat})$) provides a direct measure of variations in the probe-plasma system. The pulse duty-cycle is short so that the probe rests at its baseline potential V_B for a period much longer than the pulse width.

The pulsing procedure will maintain the probe's surface condition and associated voltage drop at a more nearly constant level than when using a continuous, slowly-varying sweep voltage. In the presence of highly-irregular plasma conditions the resulting current-voltage characteristic can then be unfolded from the plasma density fluctuations ($\delta N \propto \delta I_B$) so that the electron temperature and density can be determined from the transition- and electron-saturation domains, respectively (see Refs. 20 and 21).

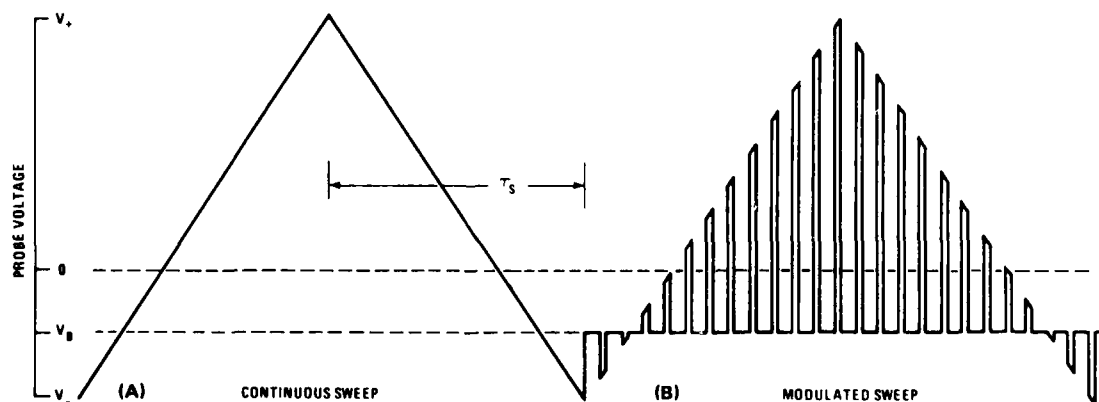


Fig. 3 — Two voltage-sweep modes for generating Langmuir-probe current-voltage characteristics. (A) Conventional approach, (B) pulse-modulated procedure utilized in the P^3 procedure.

2.4 Probe Configuration, Data Outputs, Commands

A pair of pulsed plasma probes was utilized in the mission of S3-4. One probe (designated the E-probe) was maintained with $V_B = V_{\infty}$, so that I_B -current collection was in the electron saturation region,

$$I_B(\text{E-probe}) = I_B^e = N_e \cdot \quad (4)$$

The second probe (the I-probe) was maintained with $V_B = V_f = V_{\infty}$ so that I_B -current collection was in the ion saturation region, that is

$$I_B(\text{I-probe}) = I_B^i. \quad (5)$$

The probes themselves were of tungsten rod .030" in diameter and 9" long, extended on booms approximately 17" in length. There were eight command modes of operation (shown in Table 3) designed to optimize the experiment. (The command modes are not to be confused with previous discussions of continuous-sweep and pulsed-sweep modes of operation.)

Data from each probe was accumulated at two rates: Formats A and C at 100 and 800 sps, respectively. Primary tasking involved Format A operating for one complete orbit at a time followed by a required three orbits for data downlinking. In this operational mode full-orbit data was accumulated at separations of approximately 90° in longitudinal crossings of the equator. Format A data provided in-track measurements of relative density profiles, irregularity scale size distributions, gradient scale lengths, estimates of ion mass variations and electron density fluctuation power spectra.

Because of the higher rate and limited telemetry subsystem capability, Format C was operated only over specified domains with primary interest focused on the nighttime geomagnetic equator ($\pm 20^\circ$) and the polar caps ($\pm 40^\circ$). To the list of Format A measurements, Format C added absolute electron density, thermal electron energy distributions, vehicle potential, and high frequency capabilities in power spectral analyses. Table 4 summarizes measurement capabilities in both formats.

During July and August 1978, the S3-4 experiment underwent special tasking to provide high-rate Format C data in support of an equatorial spread-F rocket and radar investigation in the Kwajalein (Marshall Island) sector. Orbits involved in that effort are detailed in Table 5 while Table 6 (see pp. 17-32) presents an entire listing of p3/S3-4 orbital coverage.

Table 3 - NRL-747 Command Modes

Note: Mode A was a simple non-swept fixed-bias mode designed for low data rate acquisition. Modes B and C operated one of the two probes with a fixed-bias potential while the second probe was swept in the pulsed-mode. Modes D through G were commandable adjustments to modes B and C which controlled the sweep center voltage relative to the spacecraft potential.

Mode A	Probe E at positive fixed voltage Probe I at negative fixed voltage
-----------	--

Mode B	Probe I at fixed negative voltage Probe E pulsed from positive fixed baseline voltage
-----------	--

Mode C	Probe I pulsed from negative fixed baseline voltage Probe C at fixed positive
-----------	--

Mode D	Mode B with positive sweep center offset
-----------	--

Mode E	Mode C with positive sweep center offset
-----------	--

Mode F	Mode B with negative sweep center offset
-----------	--

Mode G	Mode C with negative sweep center offset
-----------	--

Mode H	Calibrate
-----------	-----------

Table 4 -- Data Formats and Primary Measurement Capabilities

MEASUREMENT	FORMAT	RANGE	RESOLUTION	SAMPLE RATE
Electron Density N_e	A	$\sim 10^2 - 10^7 \text{ cm}^{-3}$ (Relative)	10 msec \sim 80 meters	100 sps
	C	$\sim 10^4 - 10^7 \text{ cm}^{-3}$ (Relative N_e) ----- $\sim 10^2 - 10^7 \text{ cm}^{-3}$ (Absolute N_e)	1.25 msec \sim 20 meters ----- \sim 300 msec \sim 2.4 km	400-800 sps (relative N_e) ----- \sim 3 sps (absolute N_e)
Electron Temperature T_e	C	$\sim 200 - 30,000^\circ\text{K}$	\sim 300 ms \sim 2.4 km	\sim 3 sps
Electron Density Irregularities δN_e	A	$\sim 10^2 - 10^7 \text{ cm}^{-3}$	\sim 0.4% - 100% \sim 80 meters	100 sps
	C	$\sim 10^2 - 10^7 \text{ cm}^{-3}$	\sim 0.4 - 100% \sim 20 meters	800 sps
Density Fluctuation Power Spectra $P_N(k)$	A	dc - 50 Hz	-	100 sps
	C	dc - 400Hz	-	800 sps

Table 5 — Special S3-4 Format C Tasking During Nighttime
Kwajalein Sector Equatorial Investigation

<u>REV</u>	<u>DATE</u>	<u>LONC(°E)*</u>	<u>REV</u>	<u>DATE</u>	<u>LONG(°E)*</u>
2121	25 July 78	195	2236	01 Aug 78	164
2122	25 July 78	174	2268	03 Aug 78	176
2123	25 July 78	150	2317	06 Aug 78	170
2137	26 July 78	201	2332	07 Aug 78	173
2139	26 July 78	154	2348	08 Aug 78	200
2154	27 July 78	183	2365	09 Aug 78	185
2170	28 July 78	188	2366	09 Aug 78	161
2186	29 July 78	194	2381	10 Aug 78	189
2187	29 July 78	172	2397	11 Aug 78	194
2202	30 July 78	199			
2219	31 July 78	181			

* These are the longitudes of nighttime equatorial crossings

3. DATA PRESENTATION

Initial reduction routines for bulk processing and plotting of P³/S3-4 data begin with an orbit-by-orbit plot of relative electron density as measured by ion- and electron-saturation currents, I_B^i and I_B^e respectively. A representative sample of this data collected on orbit 0244 is shown in Figure 4 where the abscissa coordinates are universal time (UT), local time (LT), altitude (ALT [km]), latitude (LAT), longitude (LONG)^{°E}, magnetic latitude (MLAT), L-shell value (L), and solar zenith angle (SZA). The probes' magnetic aspect angle (BA) is also plotted in the figure. The last two entries at the bottom of the abscissa heading include the mode of experiment operation (MODE) and an alarm (A) which identifies strong irregularity regions in I_B^e , I_B^i , T_e and V_∞ .

The left hand edge in Figure 4 corresponds to the satellite's ascending node (south-to-north) in the nighttime hemisphere near the south magnetic pole (MLAT = -90°). With increasing time (UT) the satellite passed through the nighttime equator (UT ~ 1932:00), over the nighttime auroral oval (UT ~ 1952:00) and into the dayside ionosphere (UT > 1952:00) where vehicle solar cell voltage biases the entire vehicle such that both probes draw approximately equal ion saturation currents.

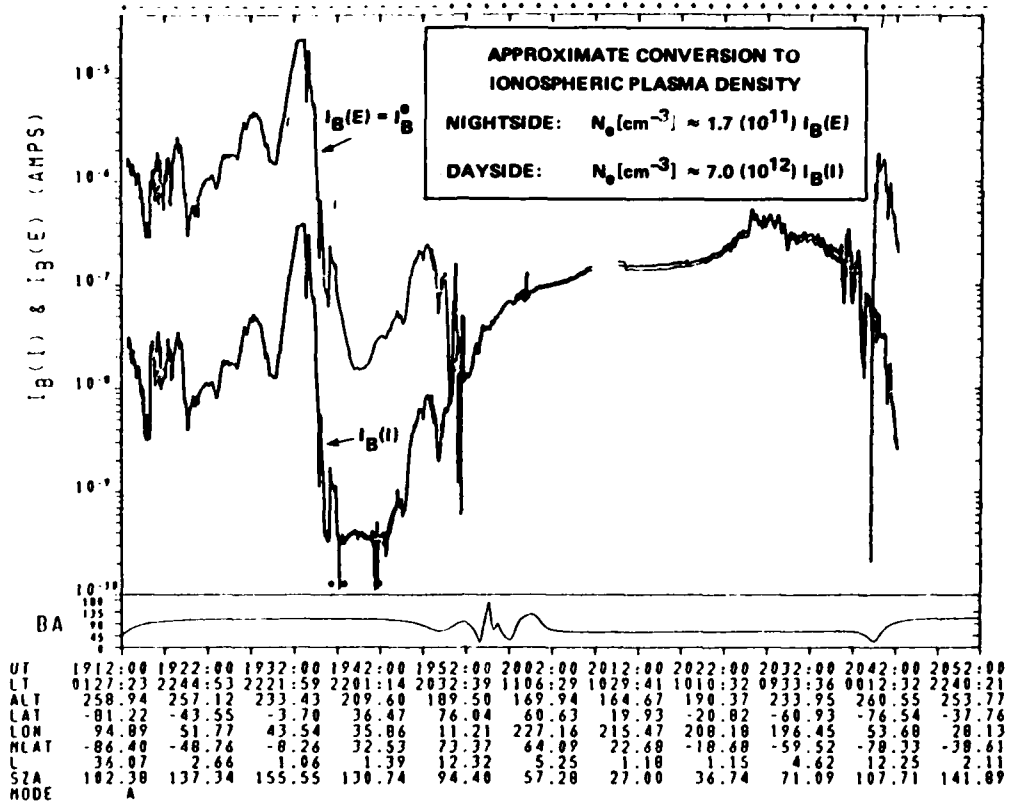


Fig. 4 — A representative sample of a full-orbit relative-electron-density profile (Format A) as measured by ion- and electron-saturation currents, $I_B^i \equiv I_B(I)$ and $I_B^e \equiv I_B(E)$ respectively. (See text for definition of abscissa coordinates.) Estimates for absolute values of electron densities can be achieved by the conversion $N_e [\text{cm}^{-3}] \approx 1.7 (10^{11}) I_B(E)$ [amps] for the nightside ionosphere, and $N_e [\text{cm}^{-3}] \approx 7.0 (10^{12}) I_B(I)$ for the dayside ionosphere.

The simultaneous measurements of electron- and ion-saturation currents, $I_B^e = I_B(E)$ and $I_B^i = I_B(I)$ respectively, provide confidence that the observed irregularities involve plasma variations and not just secondary effects (e.g., aspect sensitivities and variations in spacecraft potential). The header across the top of the figure identifies the experiment (NRL 747, the code designation for P³), the date on which the subject data was collected (03/31/78), the orbit number (REV 0244) and data rate (FORMAT A). The + and - symbols directly below the header identify power ON/OFF status of the spacecraft's solar cell subsystem (+/- indicates 28 volt bias ON/OFF).

A sample of Format C data collection is presented in Figure 5 for REV 0370, with all abscissa identifiers identical to those in the previous figure. For REV 0370, data acquisition

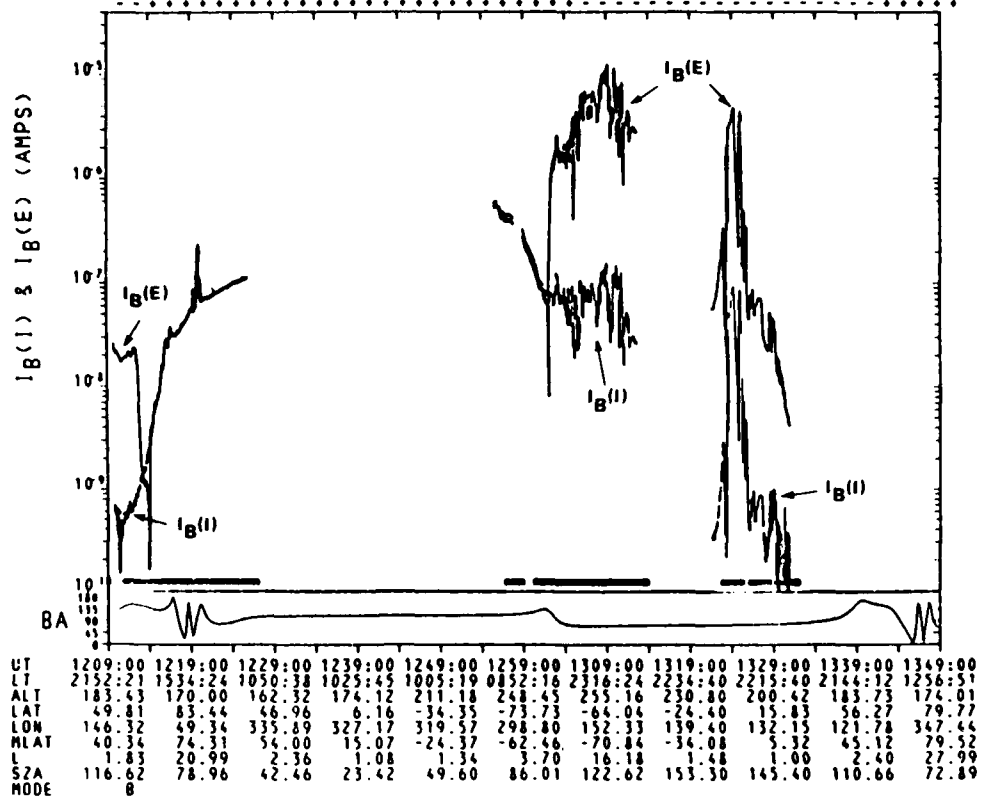


Fig. 5 — A representative sample of a partial-rev relative-electron-density profile (Format C) as measured by ion- and electron-saturation currents, $I_B^i \equiv I_B(I)$ and $I_B^e \equiv I_B(E)$ respectively. $N_e [cm^{-3}] \approx 1.7(10^{11}) I_B(E)$ [amps] for the nightside ionosphere, and $N_e [cm^{-3}] \approx 7.0(10^{12}) I_B(I)$ for the dayside ionosphere.

focused on the north polar cap (1209:00 < UT < 1229:00), the south polar cap (1259:00 ~ UT ~ 1309:00), and the nighttime equator (1321:00 ~ UT ~ 1331:00), a sequence flowing from left-to-right in the figure.

While data sets like those shown in Figures 4 and 5 provide maps of large scale ionospheric features, they represent only the beginnings of S3-4 analysis procedures. To date these maps have provided a macroscopic synopsis of ionospheric structure¹⁶ along with several more detailed studies of equatorial^{7,14} and high-latitude irregularity distributions¹⁵. Primary investigative objectives focusing on the data compiled here are directed toward the relationships between the large scale features (kilometers to tens of kilometers) and much smaller scale irregularities (tens of meters and less) believed to result from multi-stepped

plasma processes. To this end, the fundamental data sets ($I_B(E) = I_B^e$ and $(I_B(E)/I_B(I))^2 = (I_B^e/I_B^i)^2$) are fast-Fourier-analyzed to determine their fluctuation power spectra and relationships to gradient scale lengths, geomagnetic domains, and electron energy distribution functions. In addition, more complete analyses are underway to provide quantitative characterizations of the various geoplasma boundaries and to uncover trends in ionospheric signatures of the auroral oval, ring current, polar cap and the poleward edge of the midlatitude trough (e.g., density profiles and irregularity distributions). A quantitative synoptic model is expected to evolve from past^{7,14-16} and future efforts.

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Table 6 -- Complete Listing of P³/S3-4 Data Sets

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
03/30/78	0221	A	188	x		
03/30/78	0230	C	355	x*		
03/31/78	0244	A	39	x		
04/01/78	0249	C	293	x		
04/01/78	0254	A	178	x		
04/01/78	0258	A	89	x		
04/01/78	0262	A	1	x		
04/02/78	0274	A	96	x		
04/02/78	0277	A	30	x		
04/03/78	0282	A	281	x		
04/03/78	0287	A	168	x		
04/03/78	0291	A	80	x		
04/03/78	0295	A	350	x		
04/03/78	0301	C	223	x		
04/04/78	0306	A	110	x		
04/04/78	0308	A	60	x		
04/04/78	0312	A	335	x		
04/05/78	0322	A	115	x		
04/05/78	0325	A	48	x		
04/06/78	0329	A	319	x		
04/06/78	0335	C	191	x		
04/06/78	0339	A	98	x		
04/06/78	0343	A	10	x		
04/07/78	0347	A	280	x		
04/07/78	0353	C	151	x		
04/07/78	0357	A	59	x		
04/07/78	0360	A	353	x		
04/08/78	0364	A	264	x		
04/08/78	0370	C	135	x		
04/08/78	0373	A	66	x		
04/08/78	0377	A	338	x		
04/09/78	0382	A	227	x		
04/09/78	0388	C	98	x		
04/09/78	0390	A	50	x		
04/09/78	0393	A	343		x	
04/10/78	0398	A	233	x		
04/10/78	0405	C	81	x		
04/11/78	0412	A	282	x		
04/12/78	0433	A	179		x	
04/12/78	0441	A			x	

* I_B plots not available in hard copy or microfiche.
N_e and T_e are shown for comparison

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUATORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				<u>Complete</u>	<u>Noisy Tape, Partial REV</u>	<u>Not Currently Available</u>
04/13/78	0445	A	272		x	
04/13/78	0453	A	97		x	
04/14/78	0464	A	213		x	
04/14/78	0474	C	355		x	
04/15/78	0477	A	285		x	
04/15/78	0482	A	175		x	
04/15/78	0491	C	338		x	
04/16/78	0495	A	80		x	
04/16/78	0498	A	180		x	
04/16/78	0502	A	92		x	
04/16/78	0508	C	323		x	
04/17/78	0522	A	10		x	
04/17/78	0523	A	349		x	
04/17/78	0524	A	327		x	
04/18/78	0525	A	306		x	
04/18/78	0526	A	285		x	
04/18/78	0527	A	263		x	
04/18/78	0528	A	235		x	
04/18/78	0529	A	221		x	
04/18/78	0530	A	191	x		
04/18/78	0531	A	169	x		
04/18/78	0533	A	124	x		
04/18/78	0534	A	103	x		
04/18/78	0536	A	59		x	
04/18/78	0537	A	37		x	
04/18/78	0538	A	16		x	
04/18/78	0539	A	355		x	
04/18/78	0540	A	333		x	
04/19/78	0541	A	311		x	
04/19/78	0542	A	290		x	
04/19/78	0543	A	265		x	
04/19/78	0545	A	219		x	
04/19/78	0547	A	182	x		
04/19/78	0548	A	153	x		
04/19/78	0549	A	138	x		
04/19/78	0550	A	112	x		
04/19/78	0552	A	65	x		
04/19/78	0553	A	43		x	
04/19/78	0554	A	20		x	
04/19/78	0555	A	360		x	

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				<u>Complete</u>	<u>Noisy Tape, Partial REV</u>	<u>Not Currently Available</u>
04/19/78	0556	A	337	x		
04/20/78	0557	A	317	x		
04/20/78	0558	A	295	x		
04/20/78	0559	A	274	x		
04/20/78	0561	A	233	x		
04/20/78	0562	A	210	x		
04/20/78	0564	A	163	x		
04/21/78	0582	A	121		x	
04/21/78	0583	A	99		x	
04/21/78	0584	A	76		x	
04/21/78	0585	A	55		x	
04/21/78	0586	A	33		x	
04/21/78	0587	A	11		x	
04/22/78	0591	C	284		x	
04/22/78	0596	A	173		x	
04/22/78	0601	A	62		x	
04/22/78	0604	A	356		x	
04/23/78	0608	C	268		x	
04/23/78	0612	A	179		x	
04/23/78	0616	A	90		x	
04/23/78	0620	A	2		x	
04/24/78	0625	C	253		x	
04/24/78	0631	A	118		x	
04/24/78	0634	A	51		x	
04/25/78	0638	A	322		x	
04/25/78	0643	C	211		x	
04/25/78	0648	A	101		x	
04/25/78	0652	A	12		x	
04/26/78	0656	A	284		x	
04/26/78	0666	A	61		x	
04/26/78	0669	A	355		x	
04/27/78	0673	A	266		x	
04/27/78	0677	C	200		x	
04/27/78	0680	A	111		x	
04/27/78	0683	A	44		x	
04/27/78	0686	A	338		x	
04/28/78	0691	A	227		x	
04/28/78	0694	C	163		x	
04/28/78	0697	A	94		x	
04/28/78	0701	A	5		x	

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUATORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				Complete	Noisy Tape, Partial REV	Not Currently Available
04/29/78	0706	A	276		x	
04/29/78	0712	C	124		x	
04/29/78	0715	A	55		x	
04/30/78	0721	A	282		x	
04/30/78	0724	A	215		x	
04/30/78	0729	C	106		x	
04/30/78	0732	A	38		x	
04/30/78	0735	A	331		x	
05/01/78	0740	A	220		x	
05/01/78	0746	C	90		x	
05/01/78	0748	A	43		x	
05/02/78	0752	A	314		x	
05/02/78	0759	A	181		x	
05/02/78	0763	C	73		x	
05/02/78	0765	A	26		x	
05/03/78	0769	A	298		x	
05/03/78	0774	A	187		x	
05/03/78	0781	C	33		x	
05/04/78	0784	A	325		x	
05/04/78	0788	A	236		x	
05/04/78	0794	A	103		x	
05/04/78	0798	C	1		x	
05/05/78	0801	A	302		x	
05/05/78	0807	A	175		x	
05/05/78	0811	A	87		x	
05/08/78	0852	A	257		x	
05/09/78	0872	A	174		x	
05/13/78	0932	A	305		x	
05/16/78	0993	A	32		x	
05/17/78	1000	A	215		x	
05/17/78	1005	A	105		x	
05/17/78	1009	A	16		x	
05/18/78	1018	A	176		x	
05/18/78	1022	A	87		x	
05/18/78	1025	A	20		x	
05/19/78	1030	C	268		x	
05/19/78	1034	A	181		x	
05/19/78	1038	A	92		x	
05/19/78	1041	A	26		x	
05/20/78	1047	C	252	x		

Table 6 - Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
05/20/78	1053	A	120			
05/20/78	1055	A	53	x		
05/21/78	1060	A	325		x	
05/21/78	1065	C	214		x	
05/21/78	1070	A	103		x	
05/21/78	1073	A	37	x		
05/22/78	1077	A	308	x		
05/22/78	1082	C	197	x		
05/23/78	1099	C	200	x		
05/24/78	1110	A	206	x		
05/24/78	1121	A	52	x		
05/24/78	1124	A	345	x		
05/25/78	1129	A	234	x		
05/25/78	1136	A	79	x		
05/25/78	1139	A	12	x		
05/26/78	1151	C	107	x		
05/26/78	1154	A	40			
05/27/78	1168	C	90		x	
05/29/78	1203	C	33	x		
05/31/78	1229	A	177	x		
06/03/78	1271	C	324		x	
06/03/78	1276	A	215	x		
06/03/78	1281	A	104	x		
06/03/78	1287	A	327	x		
06/04/78	1290	A	268	x		
06/04/78	1291	A	238	x		
06/04/78	1294	A	172	x		
06/04/78	1295	A	150	x		
06/04/78	1302	A	354	x		
06/04/78	1303	A	332	x		
06/05/78	1304	A	310	x		
06/05/78	1305	A	288	x		
06/05/78	1306	A	269	x		
06/05/78	1307	A	243	x		
06/05/78	1308	A	221	x		
06/05/78	1309	A	199	x		
06/05/78	1310	A	177	x		
06/05/78	1311	A	159	x		
06/05/78	1312	A	132	x		
06/05/78	1313	A	111	x		

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				<u>Complete</u>	<u>Noisy Tape, Partial REV</u>	<u>Not Currently Available</u>
06/05/78	1314	A	88	x		
06/05/78	1315	A	66	x		
06/05/78	1316	A	44	x		
06/05/78	1317	A	29	x		
06/06/78	1326	A	182	x		
06/06/78	1327	A	160	x		
06/06/78	1334	A	9	x		
06/07/78	1337	C	300	x		
06/07/78	1350	A	13	x		
06/08/78	1359	A	174	x		
06/08/78	1363	A	85	x		
06/08/78	1366	A	19	x		
06/09/78	1371	C	267	x		
06/09/78	1375	A	180	x		
06/09/78	1379	A	91	x		
06/09/78	1383	A	362	x		
06/10/78	1394	A	118		x	
06/10/78	1397	A	51	x		
06/11/78	1401	A	323	x		
06/11/78	1410	A	123	x		
06/11/78	1414	A	34	x		
06/12/78	1418	A	305	x		
06/12/78	1423	C	195	x		
06/12/78	1428	A	80	x		
06/12/78	1431	A	17	x		
06/13/78	1435	A	289	x		
06/13/78	1440	C	178	x		
06/13/78	1444	A	89	x		
06/13/78	1447	A	22	x		
06/14/78	1457	C	161	x		
06/14/78	1461	A	72	x		
06/15/78	1470	A	233	x		
06/15/78	1475	C	122	x		
06/22/78	1589	C	114		x	
06/22/78	1593	A	25	x		
06/23/78	1598	A	275	x		
06/23/78	1602	A	185	x		
06/23/78	1607	C	74	x		
06/24/78	1614	A	279	x		
06/24/78	1618	A	190	x		

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUATORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
06/24/78	1624	C	57	x*		
06/24/78	1626	A	13	x		
06/25/78	1630	A	284	x		
06/25/78	1635	A	170	x		
06/25/78	1638	A	107	x		
06/27/78	1669	A	139	x		
06/27/78	1673	C	51	x		
06/27/78	1676	A	344	x		
06/28/78	1681	A	234	x		
06/28/78	1686	A	123	x		
06/28/78	1689	A	55	x		
06/28/78	1691	C	12	x		
06/29/78	1694	A	305	x		
06/29/78	1698	A	216	x		
06/29/78	1703	A	105	x		
06/29/78	1708	C	354	x		
06/30/78	1713	A	243	x		
06/30/78	1718	A	132	x		
06/30/78	1725	C	337	x		
07/01/78	1732	A	183	x		
07/01/78	1737	A	93	x		
07/01/78	1740	A	4	x		
07/02/78	1742	A	320	x		
07/02/78	1743	A	298	x		
07/02/78	1744	A	274	x		
07/02/78	1745	A	253	x		
07/02/78	1746	A	232	x		
07/02/78	1747	A	209		x	
07/02/78	1748	A	187	x		
07/02/78	1749	A	187	x		
07/02/78	1751	A	121	x		
07/02/78	1752	A	98	x		
07/02/78	1753	A	76	x		
07/02/78	1754	A	53	x		
07/02/78	1755	A	32	x		
07/02/78	1756	A	9	x		
07/02/78	1757	A	347	x		
07/03/78	1758	A	325	x		
07/03/78	1759	A	303	x		
07/03/78	1760	A	279	x		

* I_B plots not available in hard copy or microfiche
N_e and T_e are shown for comparison.

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				Complete	Noisy Tape, Partial REV	Not Currently Available
07/03/78	1761	A	258	x		
07/03/78	1763	A	214	x		
07/03/78	1764	A	192	x		
07/03/78	1765	A	170	x		
07/03/78	1766	A	148	x		
07/03/78	1767	A	125	x		
07/03/78	1768	A	103	x		
07/03/78	1769	A	83	x		
07/03/78	1770	A	59	x		
07/03/78	1771	A	37	x		
07/03/78	1772	A	15	x		
07/03/78	1773	A	353	x		
07/04/78	1774	A	331	x		
07/04/78	1775	A	309	x		
07/04/78	1776	A	286	x		
07/04/78	1777	A	264	x		
07/04/78	1779	A	218	x		
07/04/78	1781	A	176	x		
07/04/78	1782	A	153	x		
07/04/78	1783	A	132	x		
07/04/78	1784	A	109	x		
07/04/78	1785	A	87	x		
07/04/78	1786	A	65	x		
07/04/78	1787	A	42	x		
07/04/78	1788	A	20	x		
07/05/78	1791	A	310	x		
07/05/78	1797	A	180	x		
07/05/78	1801	A	92	x		
07/05/78	1804	A	25	x		
07/06/78	1808	C	293	x		
07/06/78	1813	A	186	x		
07/06/78	1817	A	98	x		
07/06/78	1821	A	8	x		
07/07/78	1830	A	169	x		
07/07/78	1834	A	80	x		
07/07/78	1837	A	14	x		
07/08/78	1841	A	285	x		
07/08/78	1848	A	130	x		
07/08/78	1851	A	63	x		
07/09/78	1864	A	135	x		

Table 6 - Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
07/09/78	1867	A	68	x		
07/09/78	1871	A	339	x		
07/10/78	1882	A	96	x		
07/10/78	1886	A	7	x		
07/11/78	1890	A	278	x		
07/12/78	1912	C	150	x		
07/12/78	1915	A	83	x		
07/12/78	1919	A	354	x		
07/13/78	1923	A	266	x		
07/13/78	1929	C				x
07/13/78	1932	A	66	x		
07/14/78	1948	A	72	x		
07/14/78	1951	A	5	x		
07/15/78	1955	A	276	x		
07/15/78	1959	A	188	x		
07/15/78	1964	C	78	x*		
07/16/78	1971	A	281	x		
07/16/78	1981	C	61	x		
07/16/78	1983	A	15	x		
07/17/78	1987	A	286	x		
07/17/78	1995	A	109	x		
07/17/78	1998	C	43	x		
07/17/78	2001	A	336	x		
07/18/78	2006	A	226	x		
07/18/78	2011	A	114	x		
07/18/78	2015	C	26	x		
07/19/78	2018	A	319	x**		
07/19/78	2023	A	208	x		
07/19/78	2029	A	75	x		
07/19/78	2033	C	347	x		
07/20/78	2036	A	280	x		
07/20/78	2041	A	169	x		
07/21/78	2050	C	330	x		
07/21/78	2052	A	285	x		
07/21/78	2057	A	174	x		
07/21/78	2064	A	15	x		
07/21/78	2065	A	356	x		
07/21/78	2066	A	335	x		
07/22/78	2067	A	313	x		

* I_B plots not available in hard copy or microfiche.
N_e and T_e are shown for comparison.

** I_B plots not available in hard copy or microfiche.
(I_B(E)/I_B(I))² is shown for comparison.

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUATORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
07/22/78	2068	A	291	x		
07/22/78	2069	A	270	x		
07/22/78	2071	A	227	x		
07/22/78	2072	A	198	x		
07/22/78	2073	A	175	x		
07/22/78	2074	A	153	x		
07/23/78	2083	A	319		x	
07/23/78	2084	A	296	x		
07/23/78	2085	A	275	x		
07/23/78	2086	A	253	x		
07/23/78	2087	A	225	x		
07/23/78	2088	A	203	x		
07/23/78	2089	A	158	x		
07/23/78	2091	A	181	x		
07/23/78	2092	A	114	x		
07/23/78	2093	A	92	x		
07/23/78	2094	A	70	x		
07/23/78	2095	A	49	x		
07/23/78	2096	A	27	x		
07/23/78	2097	A	6	x		
07/23/78	2098	A	345	x		
07/23/78	2099	A	323	x		
07/24/78	2100	A	302	x		
07/24/78	2101	A	280	x		
07/24/78	2102	A	258	x		
07/24/78	2103	A	237	x		
07/24/78	2104	A	208	x		
07/24/78	2105	A	186	x		
07/24/78	2106	A	171	x		
07/24/78	2108	A	119	x		
07/24/78	2109	A	98	x		
07/24/78	2110	A	74	x		
07/24/78	2111	A	54	x		
07/24/78	2112	A	32	x		
07/24/78	2113	A	12	x		
07/25/78	2116	A	305	x		
07/25/78	2121	C	195	x		
07/25/78	2122	C	174	x		
07/25/78	2123	C	150	x		
07/25/78	2127	A	62	x		

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				<u>Complete</u>	<u>Noisy Tape, Partial REV</u>	<u>Not Currently Available</u>
07/25/78	2131	A	333	x		
07/26/78	2137	C	201	x		
07/26/78	2139	C	154	x		
07/26/78	2142	A	88	x		
07/26/78	2146	A	360	x		
07/27/78	2154	C	183	x		
07/27/78	2159	A	70	x		
07/27/78	2163	A	342	x		
07/28/78	2170	C	188	x		
07/28/78	2177	A	33	x		
07/29/78	2181	A	281	x		
07/29/78	2186	C	194	x		
07/29/78	2187	C	172	x		
07/29/78	2191	A	82	x		
07/29/78	2194	A	15	x		
07/30/78	2198	A	286	x		
07/30/78	2202	C	199	x		
07/30/78	2207	A	87	x		
07/30/78	2211	A	358	x		
07/31/78	2215	A	270	x		
07/31/78	2219	C	181	x		
07/31/78	2223	A	92	x		
07/31/78	2227	A	4	x		
08/01/78	2231	A	275	x		
08/01/78	2236	C				x
08/01/78	2239	A	97	x		
08/01/78	2242	A	30	x		
08/02/78	2246	A	301	x		
08/02/78	2254	C				x
08/02/78	2256	A	80	x		
08/02/78	2259	A	13	x		
08/03/78	2263	A	285	x		
08/03/78	2268	C	176	x		
08/03/78	2273	A	63	x		
08/03/78	2277	A	334	x		
08/04/78	2285	A	157	x		
08/04/78	2289	A	68	x		
08/04/78	2292	A	50		x	
08/05/78	2296	A	273	x		
08/05/78	2303	A	118	x		

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				Complete	Noisy Tape, Partial REV	Not Currently Available
08/05/78	2308	A	7	x		
08/06/78	2312	A	278	x		
08/06/78	2317	C	170	x		
08/06/78	2321	A	79	x		
08/06/78	2324	A	12	x		
08/07/78	2328	A	283	x		
08/07/78	2332	C				x
08/07/78	2338	A	61	x		
08/07/78	2342	A	332	x		
08/08/78	2348	C	200	x		
08/08/78	2353	A	88	x		
08/08/78	2356	A	22	x		
08/09/78	2360	A	293	x		
08/09/78	2365	C	185	x		
08/09/78	2366	C	161	x		
08/09/78	2370	A	72	x		
08/09/78	2374	A	244	x		
08/10/78	2379	A	233	x		
08/10/78	2381	C	189	x		
08/10/78	2386	A	77	x		
08/10/78	2389	A	10	x		
08/11/78	2393	A	281	x		
08/11/78	2397	C	194	x		
08/11/78	2405	A	16	x		
08/11/78	2406	A	353	x		
08/11/78	2407	A	353	x		
08/12/78	2408	A	331	x		
08/12/78	2409	A	309	x		
08/12/78	2410	A	287	x		
08/12/78	2411	A	265	x		
08/12/78	2413	A	222	x		
08/12/78	2414	A	153	x		
08/12/78	2416	A	110	x		
08/12/78	2417	A	110	x		
08/12/78	2419	A	88	x		
08/12/78	2420	A	65	x		
08/12/78	2421	A	43	x		
08/12/78	2422	A	21	x		
08/12/78	2423	A	359	x		
08/13/78	2425	A	315	x		

Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				<u>Complete</u>	<u>Noisy Tape, Partial REV</u>	<u>Not Currently Available</u>
08/13/78	2426	A	270	x		
08/13/78	2427	A	248	x		
08/13/78	2428	A	228	x		
08/13/78	2430	A	178	x		
08/13/78	2431	A	157	x		
08/13/78	2432	A	136	x		
08/13/78	2433	A	113	x		
08/13/78	2434	A	93	x		
08/13/78	2435	A	93	x		
08/13/78	2436	A	70	x		
08/13/78	2437	A	28	x		
08/13/78	2438	A	26	x		
08/13/78	2439	A	4	x		
08/13/78	2440	A	341	x		
08/14/78	2441	A	320	x		
08/14/78	2442	A	296	x		
08/14/78	2443	A	275	x		
08/14/78	2444	A	232	x		
08/14/78	2449	A	118	x		
08/14/78	2451	A	97	x		
08/14/78	2452	A	76	x		
08/14/78	2453	A	31	x		
08/15/78	2458	C	281	x		
08/15/78	2461	A	213	x		
08/15/78	2466	A	102	x		
08/15/78	2470	A	14	x		
08/16/78	2475	A	264	x		
08/16/78	2479	A	174	x		
08/16/78	2483	A	84	x		
08/16/78	2487	A	256	x		
08/17/78	2492	C	248	x		
08/17/78	2495	A	178	x		
08/17/78	2499	A	90	x		
08/17/78	2502	A	23	x		
08/18/78	2506	A	294	x		
08/18/78	2509	C	230	x		
08/18/78	2518	A	29	x		
08/19/78	2527	C	192	x		
08/19/78	2532	A	78	x		
08/20/78	2539	A	283	x		

Table 6 - Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUATORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
08/20/78	2544	C	175	x		
08/20/78	2548	A	83	x		
08/20/78	2552	A	354	x		
08/21/78	2556	A	266	x		
08/23/78	2590	A	233	x		
08/23/78	2598	A	54	x		
08/24/78	2602	A	325	x		
08/24/78	2616	A	14	x		
08/25/78	2620	A	285	x		
08/25/78	2625	A	181	x		
08/25/78	2630	C	66	x		
08/25/78	2632	A	25	x		
08/26/78	2641	A	183	x		
08/26/78	2647	C	53	x		
08/26/78	2650	A	349	x		
08/27/78	2655	A	230	x		
08/28/78	2668	A	303	x		
08/28/78	2672	A	213	x		
08/28/78	2682	C	355	x		
08/29/78	2686	A	262	x		
08/29/78	2690	A	173	x		
08/29/78	2694	A	85	x		
08/29/78	2699	C	338	x		
08/30/78	2706	A	179	x		
08/30/78	2711	A	68	x		
08/31/78	2717	C	322	x		
08/31/78	2720	A	228	x		
08/31/78	2725	A	118	x		
08/31/78	2730	A	5	x		
08/31/78	2731	A	343	x		
09/01/78	2732	A	320	x		
09/01/78	2733	A	298	x		
09/01/78	2734	A	282	x		
09/01/78	2735	A	254	x		
09/01/78	2736	A	231	x		
09/01/78	2737	A	209	x		
09/01/78	2738	A	194	x		
09/01/78	2739	A	165	x		
09/01/78	2740	A	143	x		
09/01/78	2742	A	99	x		

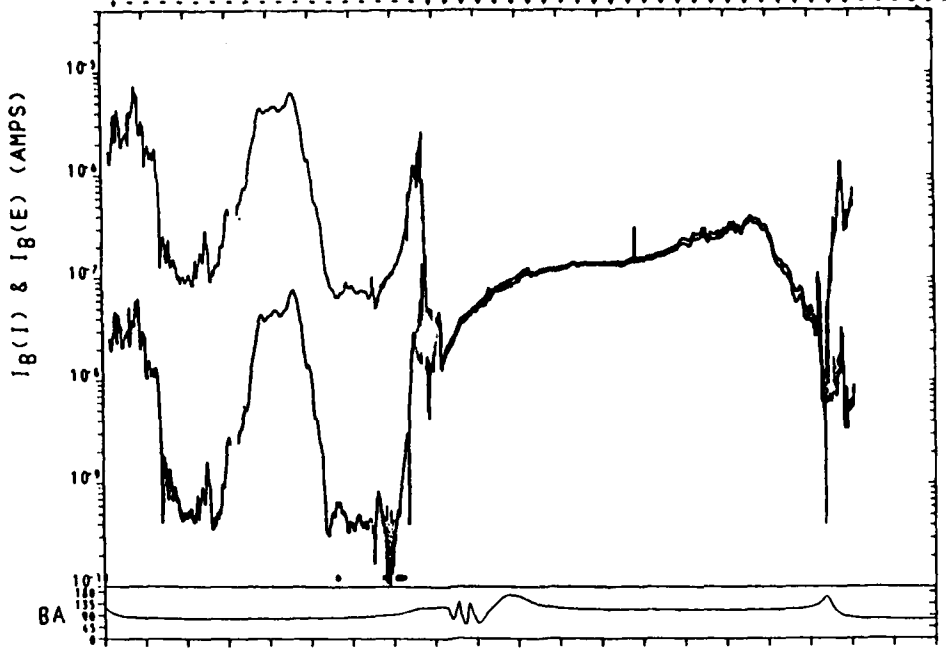
Table 6 — Complete Listing of P³/S3-4 Data Sets (Continued)

DATE	REV. NO.	FORMAT	APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]	DATA STATUS		
				Complete	Noisy Tape, Partial REV	Not Currently Available
09/01/78	2743	A	77	x		
09/01/78	2744	A	54	x		
09/01/78	2745	A	32	x		
09/01/78	2747	A	348	x		
09/01/78	2748	A	325	x		
09/02/78	2749	A	304	x		
09/02/78	2750	A	286	x		
09/02/78	2751	A	266	x		
09/02/78	2752	A	244	x		
09/02/78	2753	A	222	x		
09/02/78	2754	A	192	x		
09/02/78	2755	A	170	x		
09/02/78	2756	A	148	x		
09/02/78	2757	A	126	x		
09/02/78	2758	A	103	x		
09/02/78	2759	A	82	x		
09/02/78	2760	A	59	x		
09/02/78	2761	A	38	x		
09/02/78	2762	A	15	x		
09/02/78	2764	A	331	x		
09/03/78	2765	A	309	x		
09/03/78	2766	A	287	x		
09/03/78	2767	A	264	x		
09/03/78	2768	A	242	x		
09/03/78	2770	A	219	x		
09/03/78	2771	A	198	x		
09/03/78	2772	A	176	x		
09/03/78	2773	A	131	x		
09/03/78	2774	A	108	x		
09/03/78	2775	A	87	x		
09/03/78	2776	A	64	x		
09/03/78	2777	A	42	x		
09/04/78	2793	A	48	x		
09/05/78	2804	A	164	x		
09/05/78	2808	A	80	x		
09/05/78	2811	A	9	x		

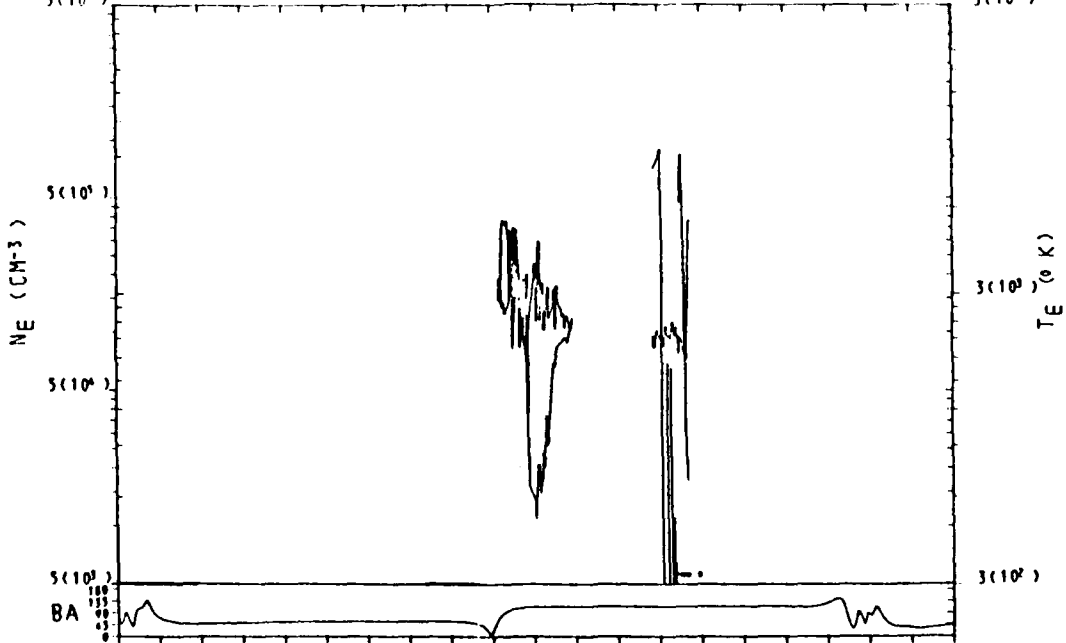
Table 6 — Complete Listing of P³/S3-4 Data Sets (Concluded)

<u>DATE</u>	<u>REV. NO.</u>	<u>FORMAT</u>	<u>APPROX. LONGITUDE OF NIGHTSIDE EQUA- TORIAL CROSSING [Degrees East]</u>	<u>DATA STATUS</u>		
				Complete	Noisy Tape, Partial REV	Not Currently Available
09/06/78	2816	A	263	x		
09/06/78	2820	A	170	x		
09/06/78	2825	A	59	x		
09/06/78	2829	A	230	x		
09/07/78	2839	A	109	x		
09/07/78	2841	A	64		x	
09/07/78	2842	A	47	x		
09/07/78	2845	A	335	x		
09/08/78	2851	C	206	x		
09/08/78	2856	A	91	x		
09/09/78	2860	A	2	x		
09/09/78	2864	A	274	x		
09/10/78	2883	A	216	x		

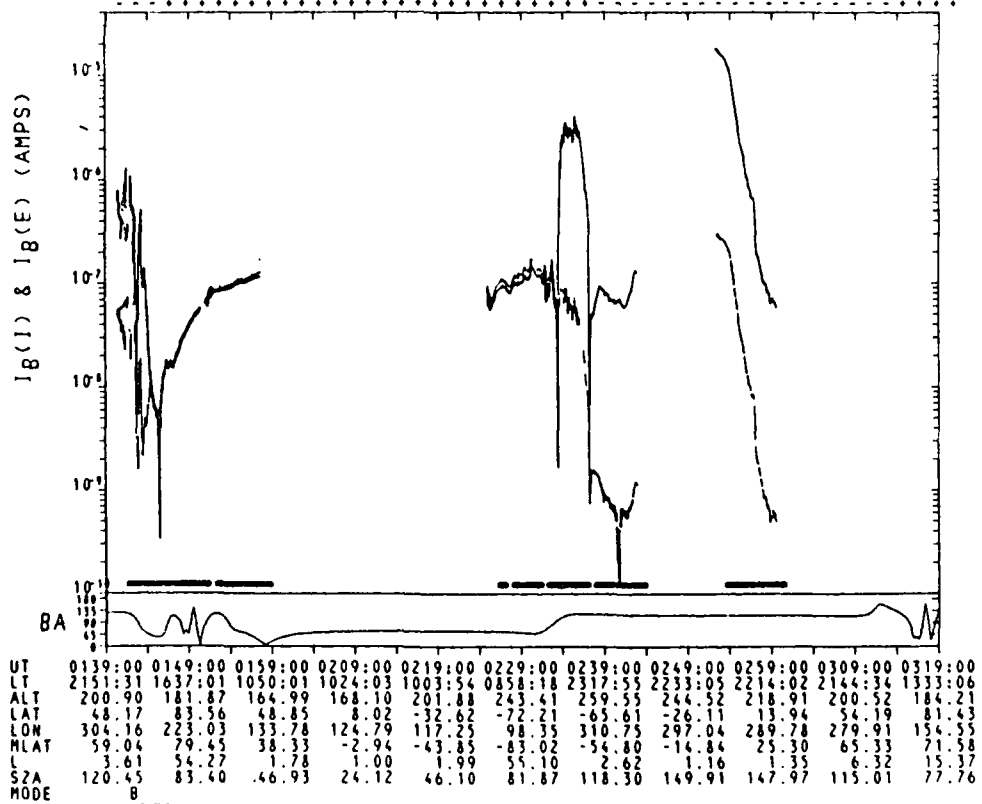
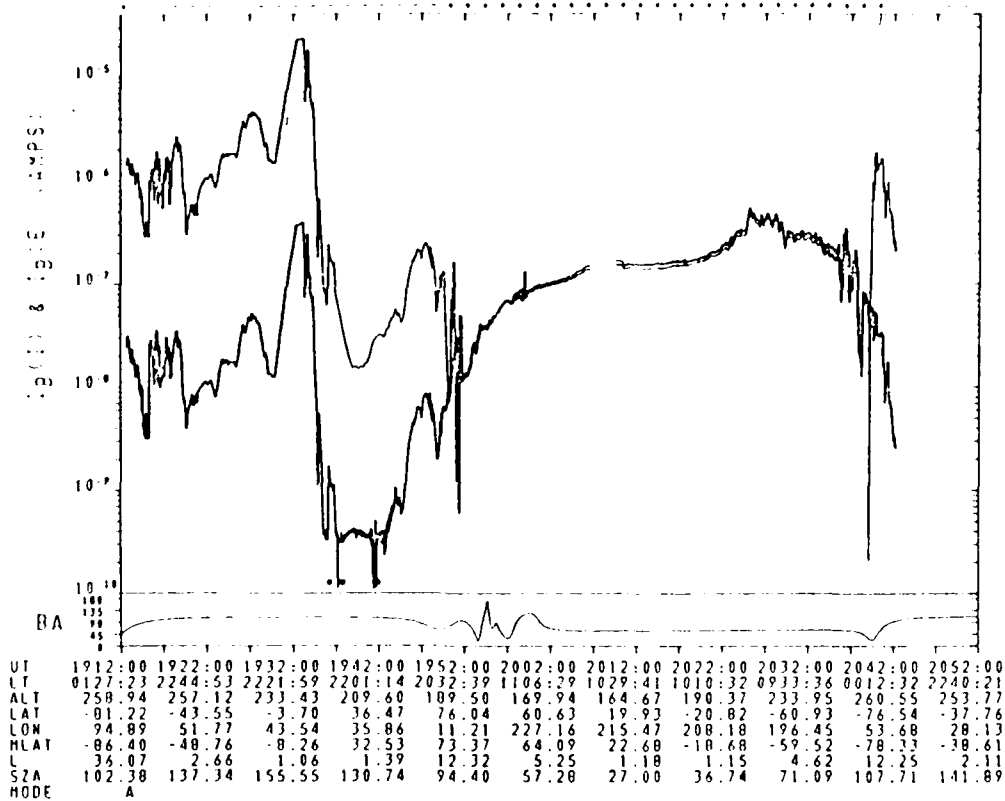
ATLAS S3-4 RELATIVE ELECTRON DENSITY PROFILES

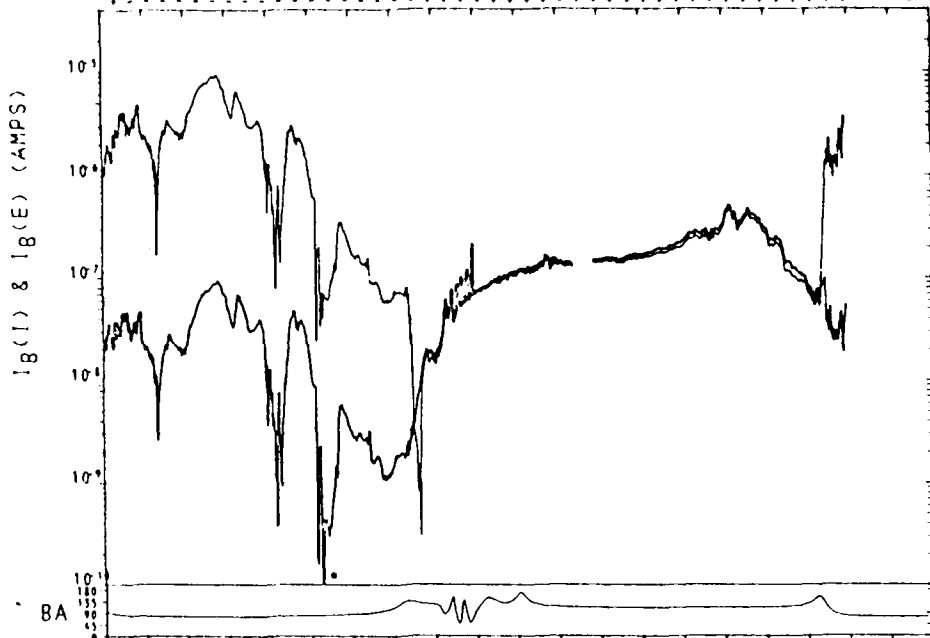


UT	0916:00	0926:00	0936:00	0946:00	0956:00	1006:00	1016:00	1026:00	1036:00	1046:00	1056:00
LT	0146:43	2245:08	2221:48	2201:06	2035:00	1106:35	1029:21	1010:12	0933:46	0014:51	2240:01
ALT	252.14	244.85	217.46	193.96	178.34	165.11	164.78	191.64	232.01	252.90	240.28
LAT	-81.84	-44.40	-4.40	35.94	75.70	60.93	20.23	-20.48	-60.58	-76.82	-37.98
LOW	248.83	200.94	192.60	184.93	160.90	16.30	4.49	357.20	345.59	203.36	177.15
MLAT	-71.66	-43.01	-5.65	32.39	66.89	59.55	22.74	-15.87	-53.15	-72.08	-41.45
L	7.68	2.07	1.02	1.41	8.50	3.63	1.05	1.37	2.74	10.77	1.95
SZA	100.97	136.09	155.51	131.58	95.26	58.11	27.57	36.20	70.29	106.86	141.18
MODE	A										

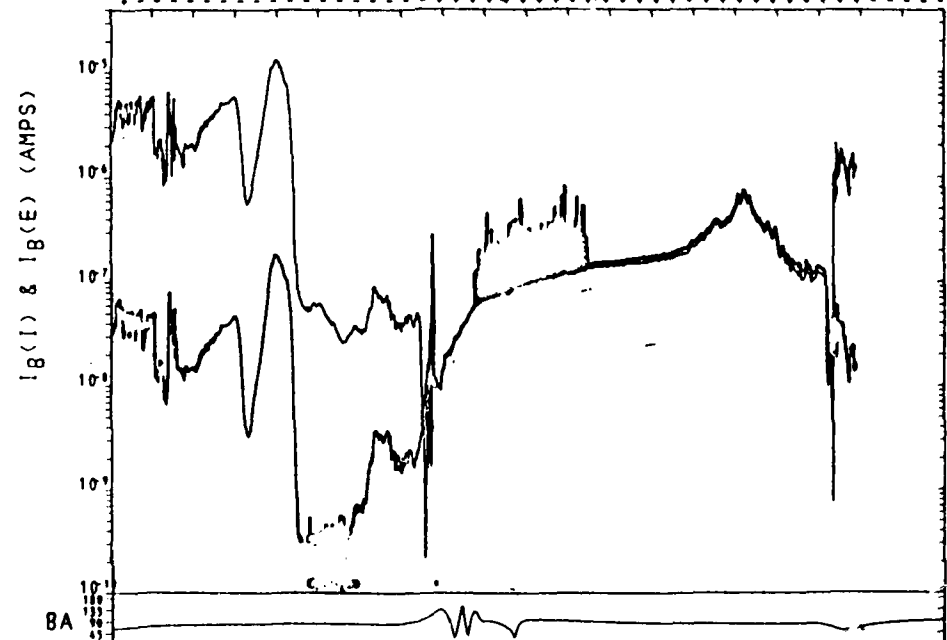


UT	2143:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00	2325:00
LT	1817:42	1053:01	1025:04	1005:22	0910:29	2126:12	2234:16	2214:51	2147:07	1427:29	1043:43
ALT	171.70	160.99	166.19	197.66	235.02	246.74	227.67	200.24	184.70	175.16	166.70
LAT	82.63	51.88	11.08	-29.57	-69.35	-68.42	-28.87	11.36	51.82	82.73	44.98
LOW	309.29	195.62	186.13	178.71	162.48	13.91	358.43	351.07	341.64	229.23	171.30
MLAT	84.91	49.76	8.28	-32.97	-73.56	-64.80	-24.31	16.54	57.69	80.04	38.86
L	153.86	2.33	1.03	1.49	21.64	4.61	1.59	1.04	2.81	60.49	1.65
SZA	86.70	49.97	24.58	43.29	78.69	115.23	147.80	149.71	117.53	80.29	44.17
MODE	B										

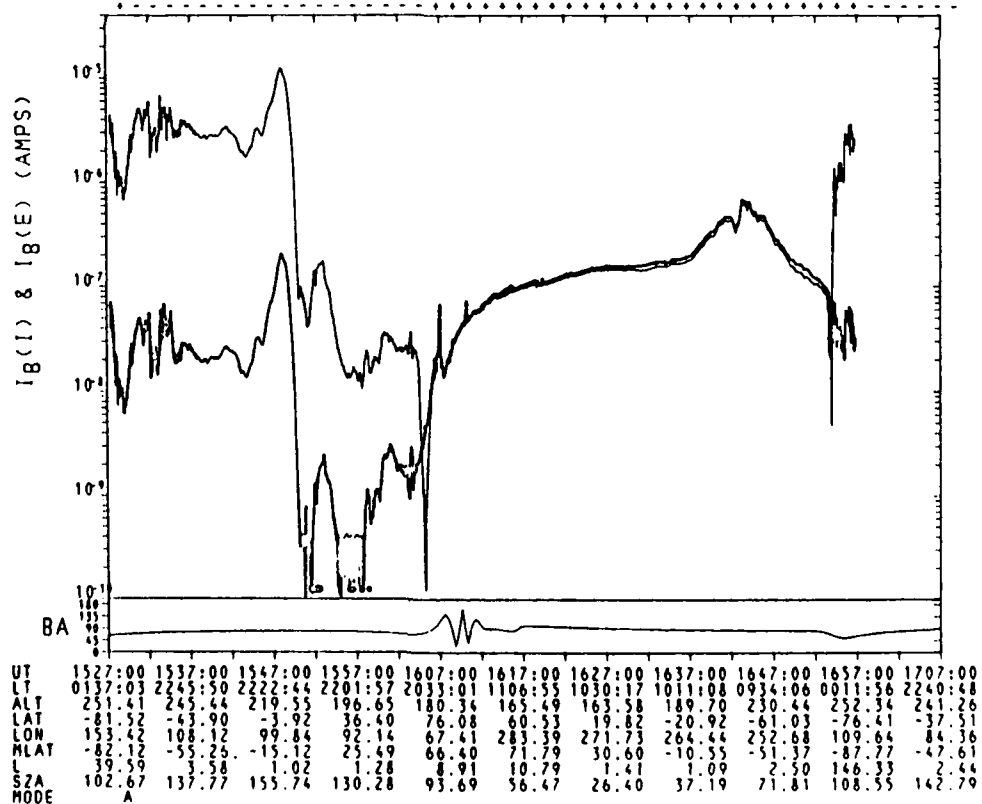
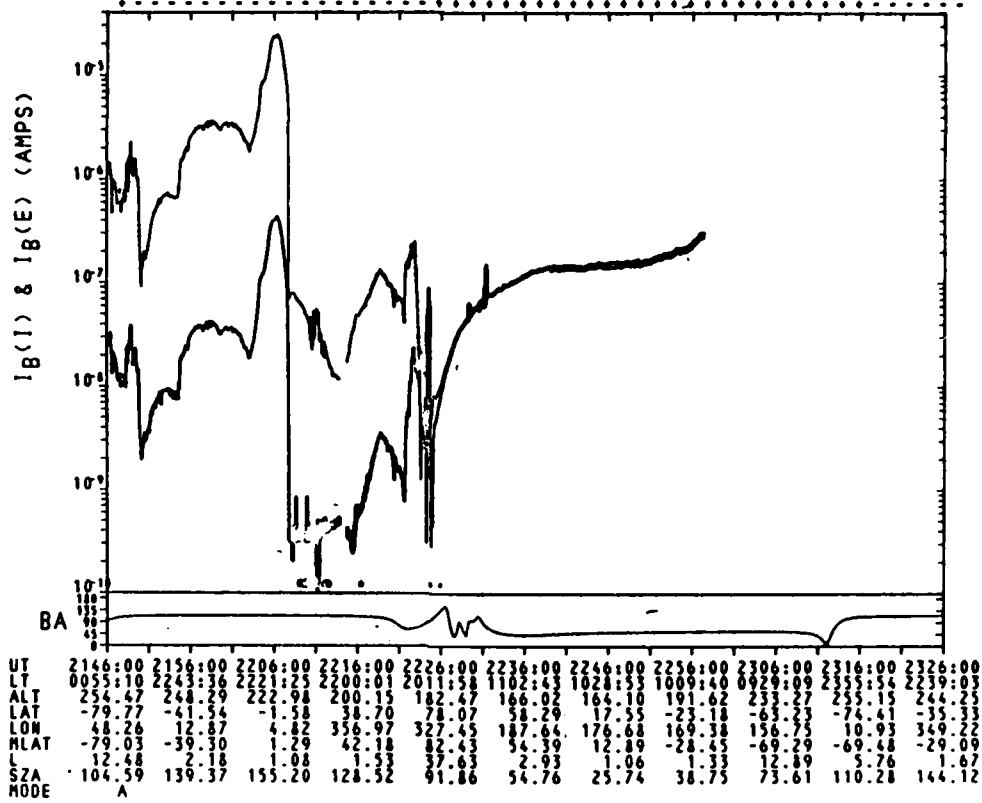


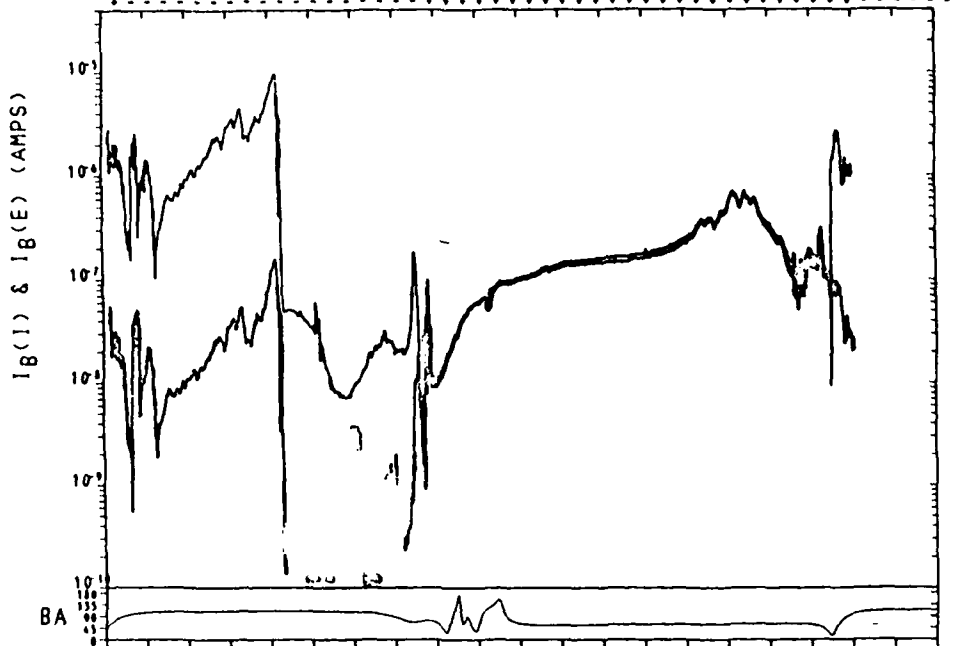


UT	0958:00	1008:00	1018:00	1028:00	1038:00	1048:00	1058:00	1108:00	1118:00	1128:00	1138:00
LT	0102:54	2243:54	2221:32	2200:21	2019:16	1103:51	1029:06	1009:55	0930:42	0001:07	2239:22
ALT	258.50	253.96	229.12	205.49	186.40	168.44	165.29	192.56	235.32	259.47	250.29
LAT	-80.18	-42.11	-2.22	38.00	77.42	59.06	18.33	-22.39	-62.45	-75.16	-36.20
LON	227.23	189.98	181.88	174.09	146.32	4.96	353.77	346.48	334.17	189.28	166.36
MLAT	-71.87	-42.95	-5.57	32.50	67.31	60.01	22.90	-15.94	-53.57	-73.04	-41.73
L	8.69	2.07	1.02	1.42	9.55	3.46	1.06	1.35	2.65	13.76	1.97
SZA	103.92	138.73	155.33	129.26	92.72	55.63	26.17	38.04	72.71	109.35	143.29
MODE	A										

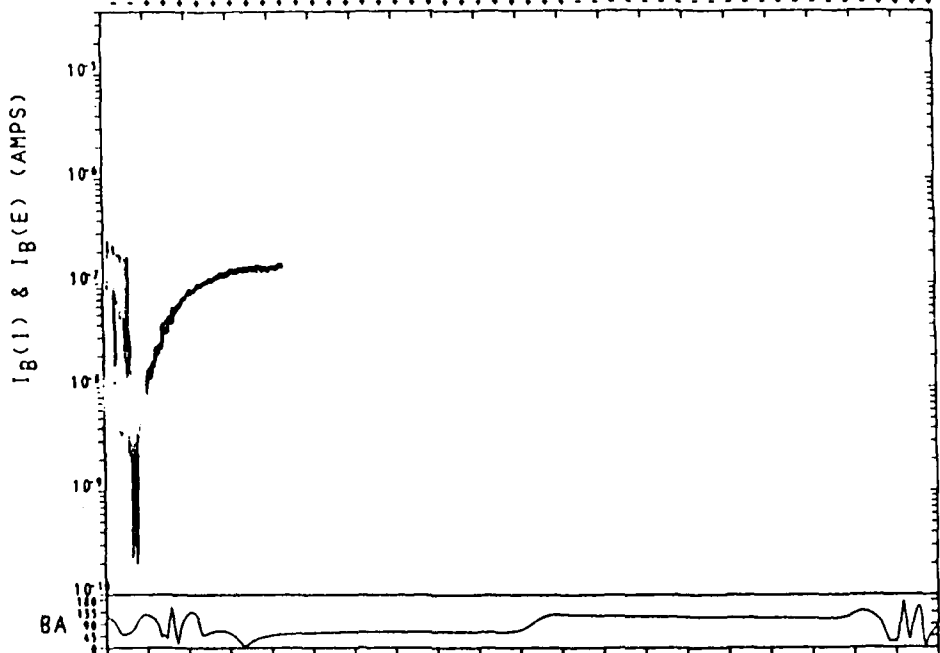


UT	1552:00	1602:00	1612:00	1622:00	1632:00	1642:00	1652:00	1702:00	1712:00	1722:00	1732:00
LT	0103:06	2243:58	2221:36	2200:24	2018:36	1103:44	1029:08	1009:57	0930:33	0000:18	2239:26
ALT	256.53	251.39	226.33	203.05	184.66	167.43	164.72	191.45	234.25	257.44	247.57
LAT	-80.19	-42.10	-2.18	38.06	77.50	58.96	18.23	-22.30	-62.56	-75.05	-36.06
LON	138.76	101.47	93.38	85.58	57.63	276.42	265.26	257.97	245.63	100.55	77.84
MLAT	-84.45	-53.33	-13.09	27.55	68.56	69.89	28.32	-12.70	-53.56	-85.89	-45.46
L	73.67	3.19	1.00	1.34	10.48	9.37	1.32	1.11	2.80	75.60	2.25
SZA	104.00	138.83	155.33	129.13	92.56	55.45	26.06	38.17	72.90	109.55	143.49
MODE	A										

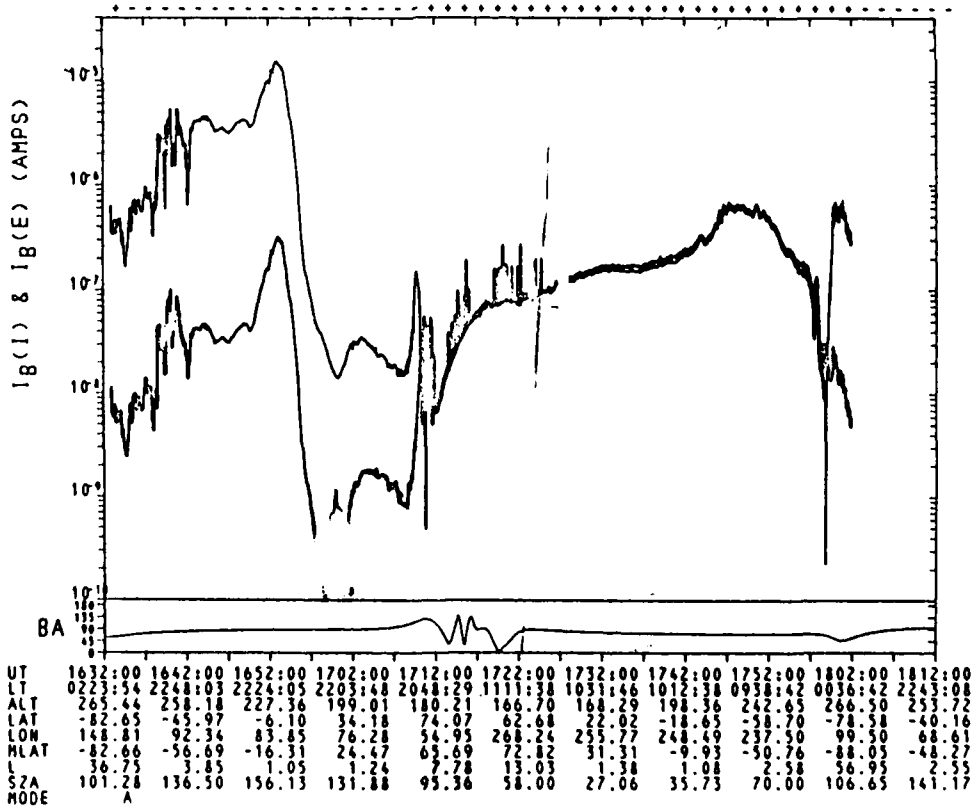
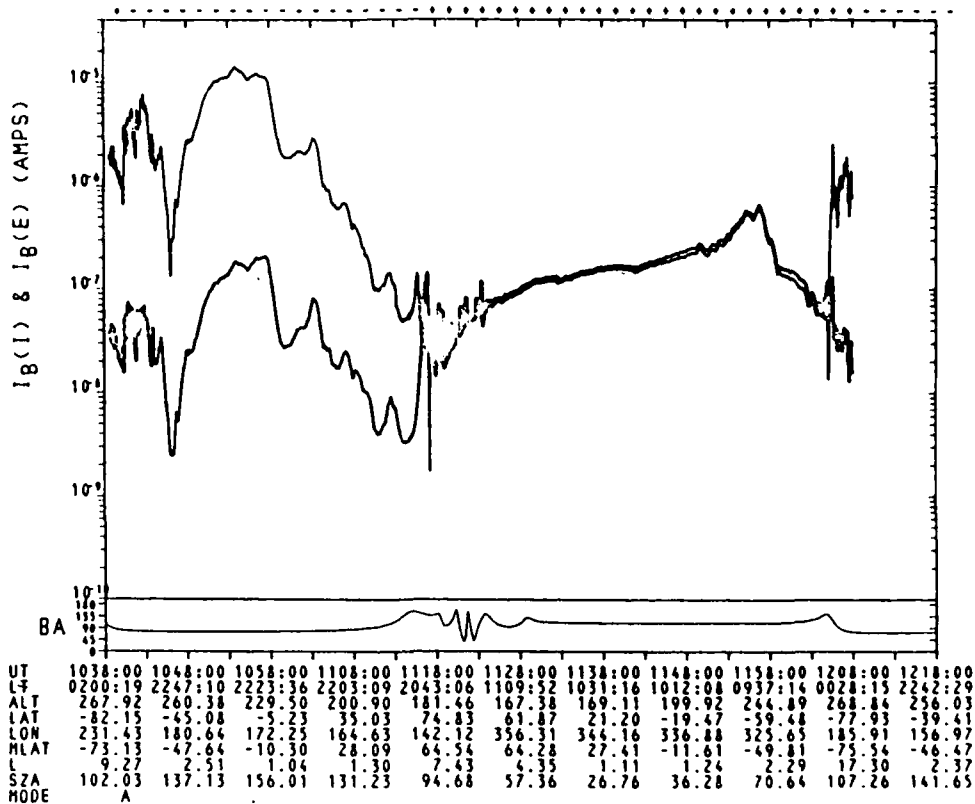


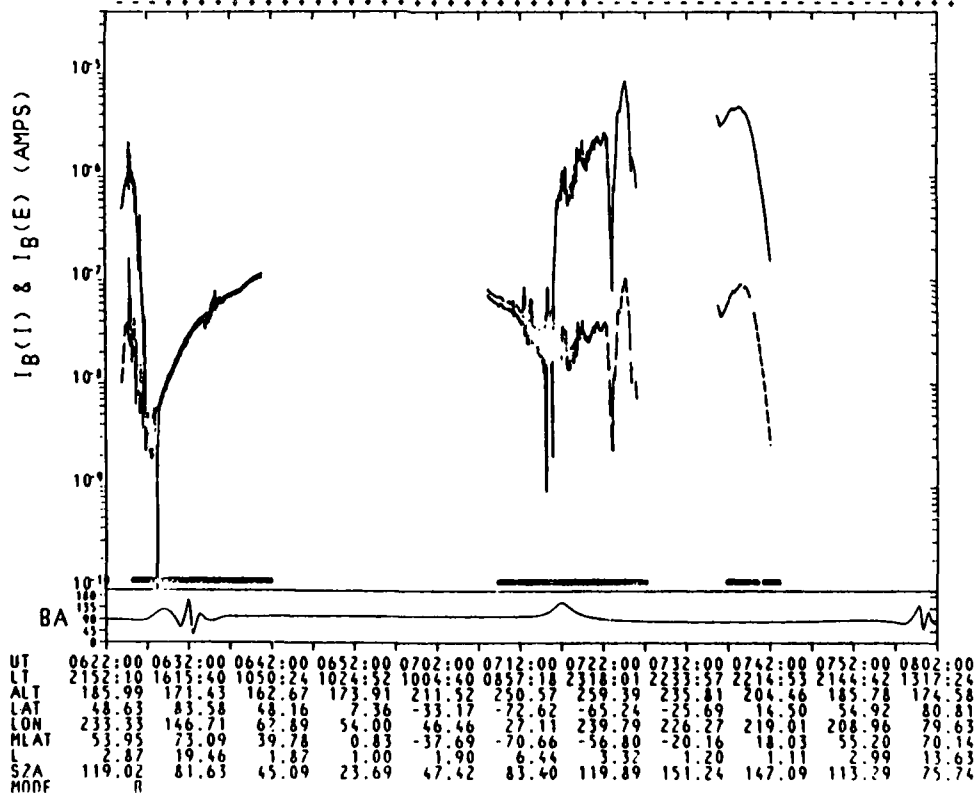
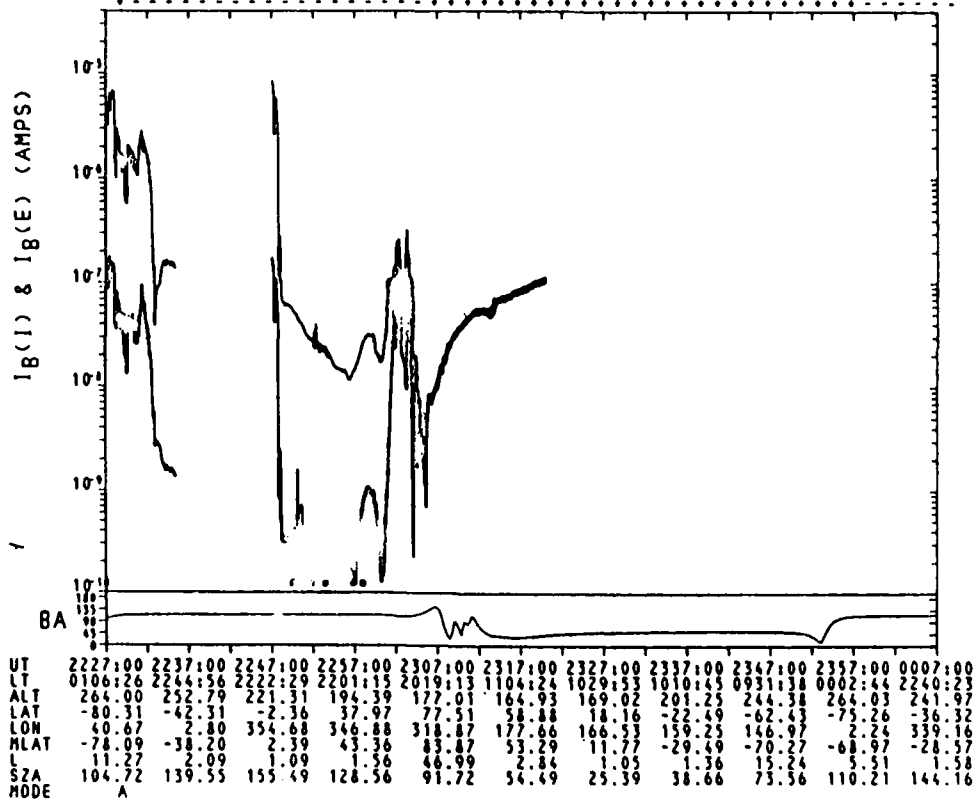


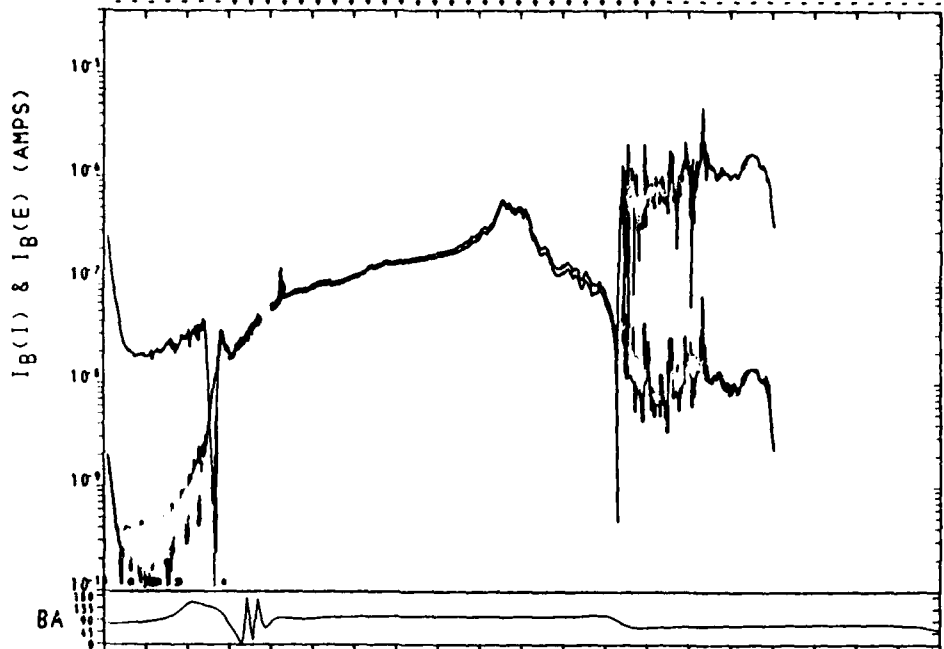
UT	1952:00	2002:00	2012:00	2022:00	2032:00	2042:00	2052:00	2102:00	2112:00	2122:00	2132:00
LT	0150:30	2246:26	2223:04	2202:24	2037:17	1108:03	1030:38	1011:28	0935:08	0016:20	2241:14
ALT	249.47	243.64	217.72	194.99	179.13	164.73	162.39	188.37	228.68	250.44	239.30
LAT	-81.92	-44.51	-4.51	35.82	75.57	61.07	20.37	-20.38	-60.51	-76.86	-38.00
LON	90.61	42.01	33.66	26.00	2.21	217.41	205.35	198.26	186.64	44.47	18.20
MLAT	-85.48	-47.85	-7.21	33.74	74.57	62.57	21.17	-20.18	-61.01	-76.84	-36.90
L	10.20	2.63	1.08	1.36	13.01	4.65	1.16	1.16	5.28	10.32	2.06
SZA	102.16	137.35	155.35	130.72	94.15	56.88	26.58	36.83	71.39	108.16	142.49
MODE	A										



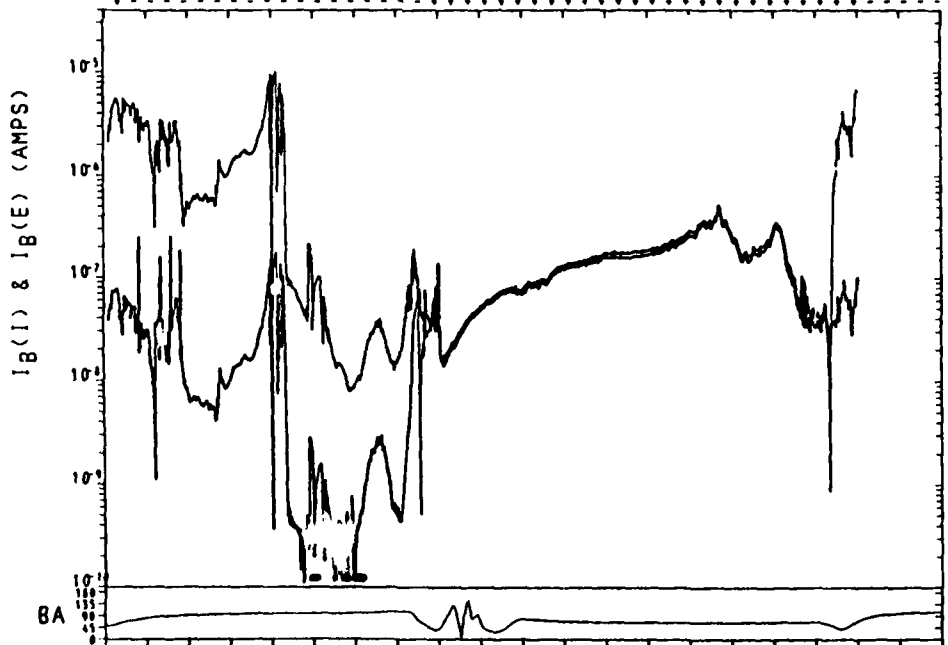
UT	0222:00	0232:00	0242:00	0252:00	0302:00	0312:00	0322:00	0332:00	0342:00	0352:00	0402:00
LT	2140:30	1240:25	1042:17	1020:28	0957:59	0740:36	2300:59	2229:11	2210:18	2130:02	1152:18
ALT	191.41	173.87	165.42	182.75	226.19	264.65	268.81	242.60	211.26	188.57	171.67
LAT	57.45	78.85	39.32	-1.46	-41.85	-80.10	-56.97	-17.33	22.79	63.03	73.80
LON	-290.50	152.98	120.94	112.99	104.87	68.02	293.62	285.17	277.95	263.38	118.45
MLAT	68.81	69.12	28.16	-12.80	-53.16	-82.41	-45.66	-6.00	33.90	72.83	62.53
L	7.74	11.32	1.37	1.00	3.15	18.93	1.91	1.10	1.33	13.11	6.79
SZA	111.36	73.90	38.44	25.72	54.58	90.89	126.88	154.66	141.28	106.16	68.66
MODE	A										



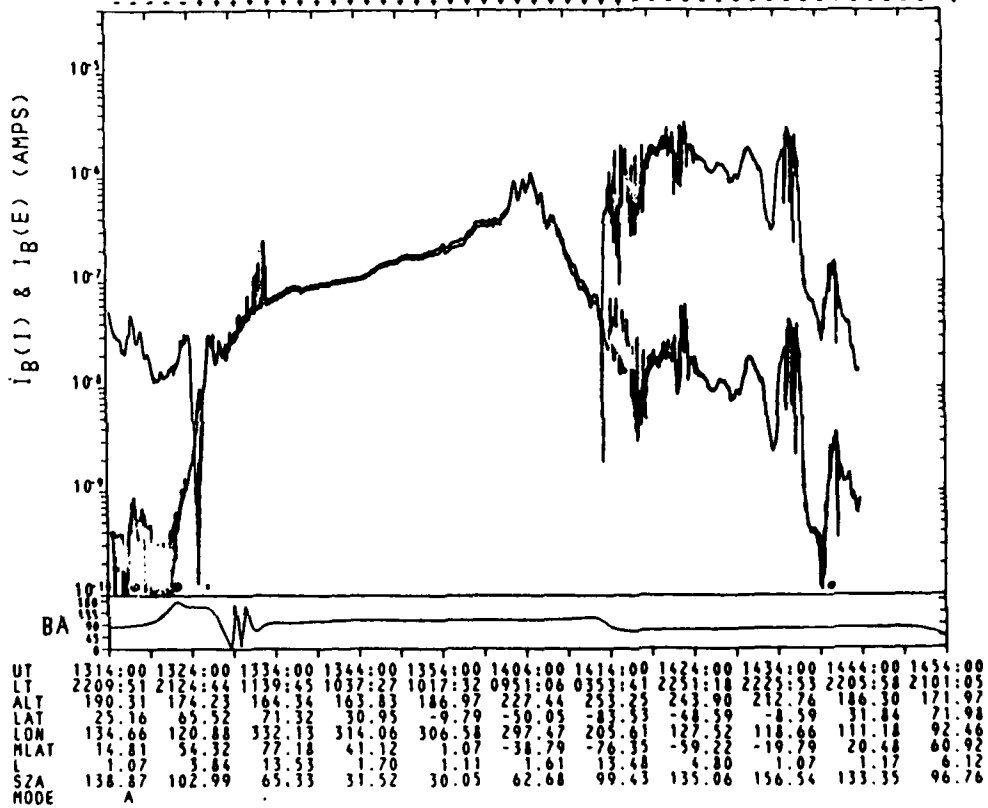
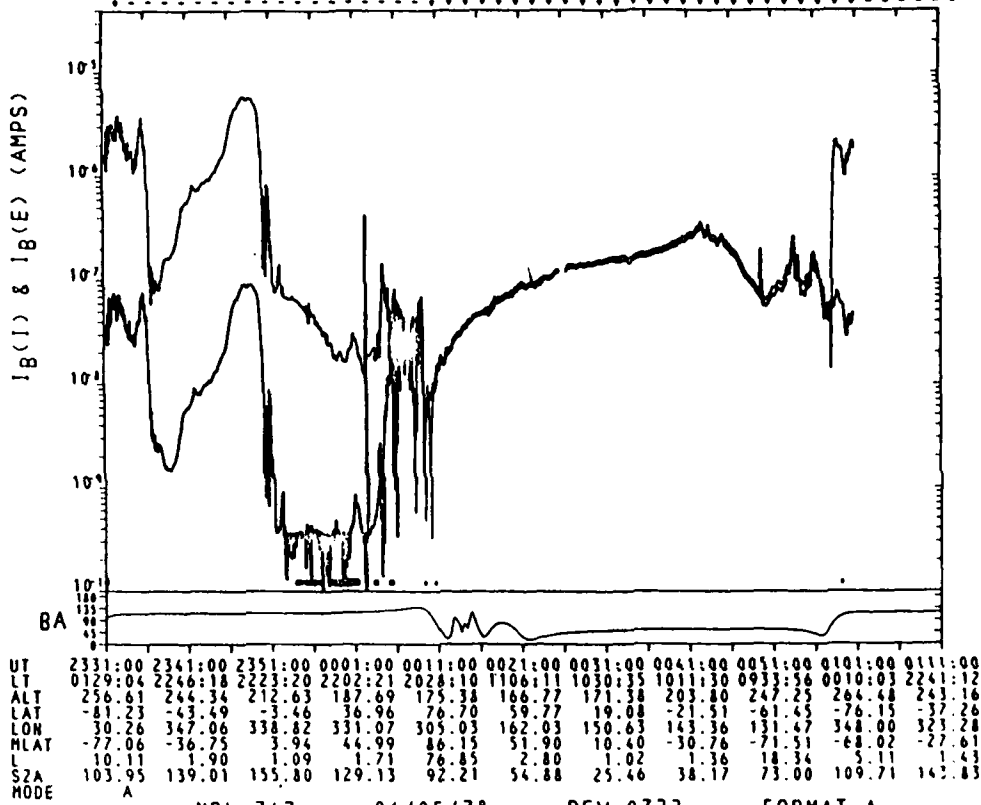


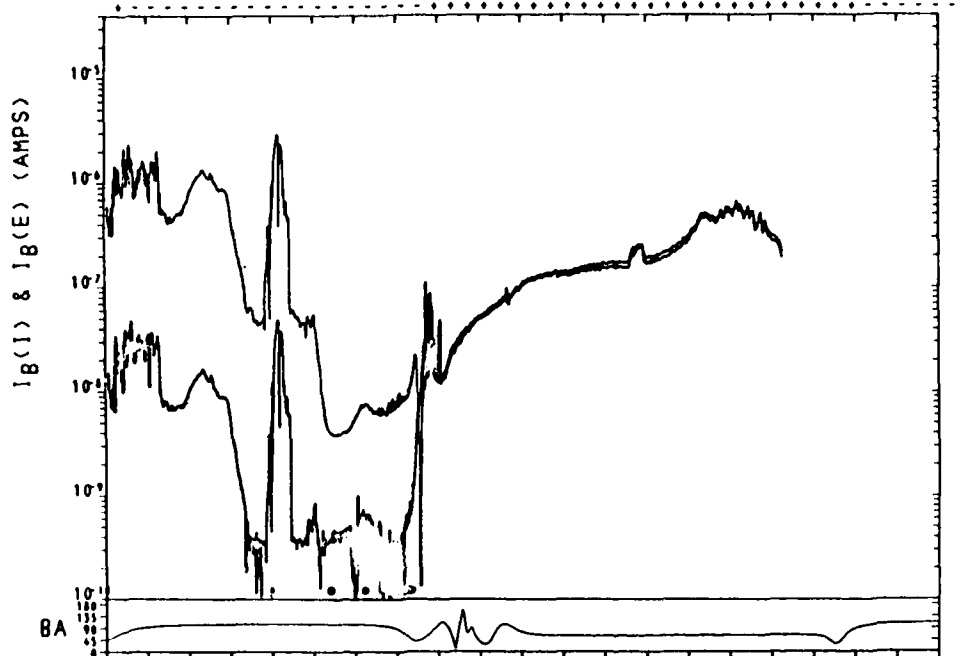


UT	1337:00	1347:00	1357:00	1407:00	1417:00	1427:00	1437:00	1447:00	1457:00	1507:00	1517:00
LT	2213:56	2141:42	1245:44	1043:04	1021:09	0958:48	0745:52	2301:50	2229:44	2210:47	2130:11
ALT	203.41	182.62	169.17	163.74	181.31	222.16	256.52	257.00	228.94	198.75	179.83
LAT	16.60	57.01	79.17	39.69	-1.09	-41.48	-79.85	-57.18	-17.42	22.85	63.19
LOM	130.00	119.44	342.95	309.78	301.80	293.72	257.98	124.47	113.95	106.71	96.06
MLAT	5.94	45.78	80.04	50.19	10.00	-30.15	-69.30	-67.97	-28.74	11.50	52.13
L	1.00	2.49	28.51	2.32	1.15	1.37	6.27	10.96	1.25	1.02	3.11
SZA	145.58	111.28	73.70	38.15	25.59	54.70	91.13	127.27	155.03	140.91	105.51
MODE	A										

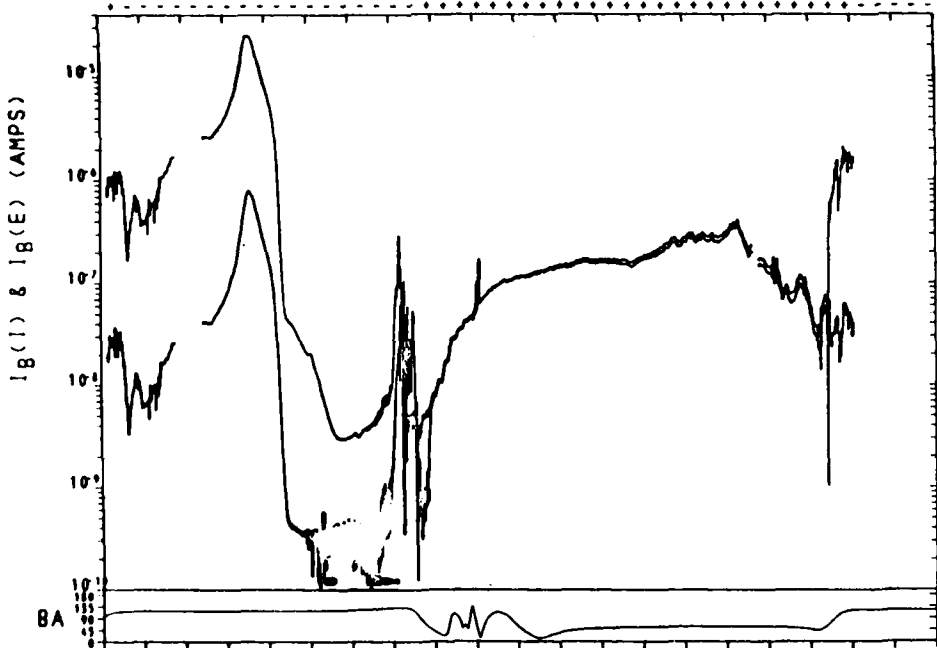


UT	1737:00	1747:00	1757:00	1807:00	1817:00	1827:00	1837:00	1847:00	1857:00	1907:00	1917:00
LT	0154:37	2247:26	2223:54	2203:18	2040:02	1109:09	1031:24	1012:18	0936:40	0022:12	2242:21
ALT	259.22	248.64	217.03	190.44	174.65	164.09	167.77	197.97	239.78	259.47	243.49
LAT	-82.11	-44.90	-4.91	35.46	75.31	61.31	20.63	-20.03	-60.06	-77.37	-38.65
LOM	126.16	75.86	67.48	59.83	36.51	251.29	259.35	232.08	220.67	79.55	52.09
MLAT	-85.57	-53.93	-13.30	27.69	69.01	69.15	27.64	-13.64	-54.47	-83.75	-44.06
L	50.58	3.25	1.05	1.31	9.38	8.65	1.26	1.11	3.22	25.47	2.27
SZA	102.59	137.78	156.07	130.49	93.73	56.36	26.12	36.97	71.61	108.35	142.73
MODE	A										

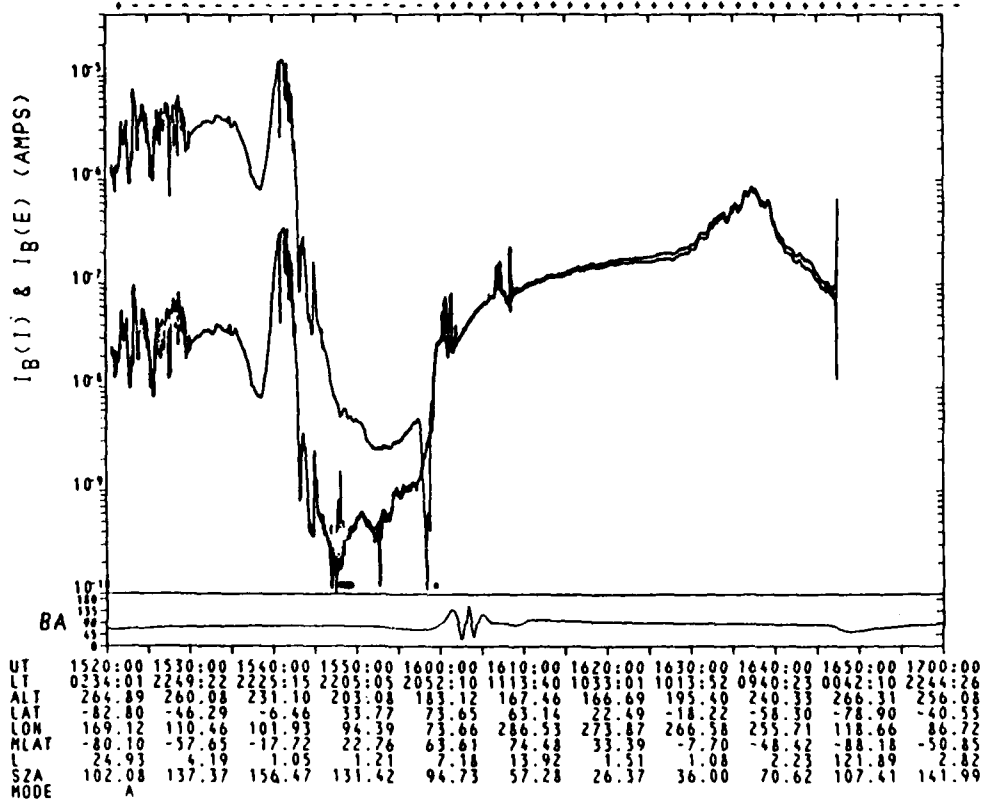
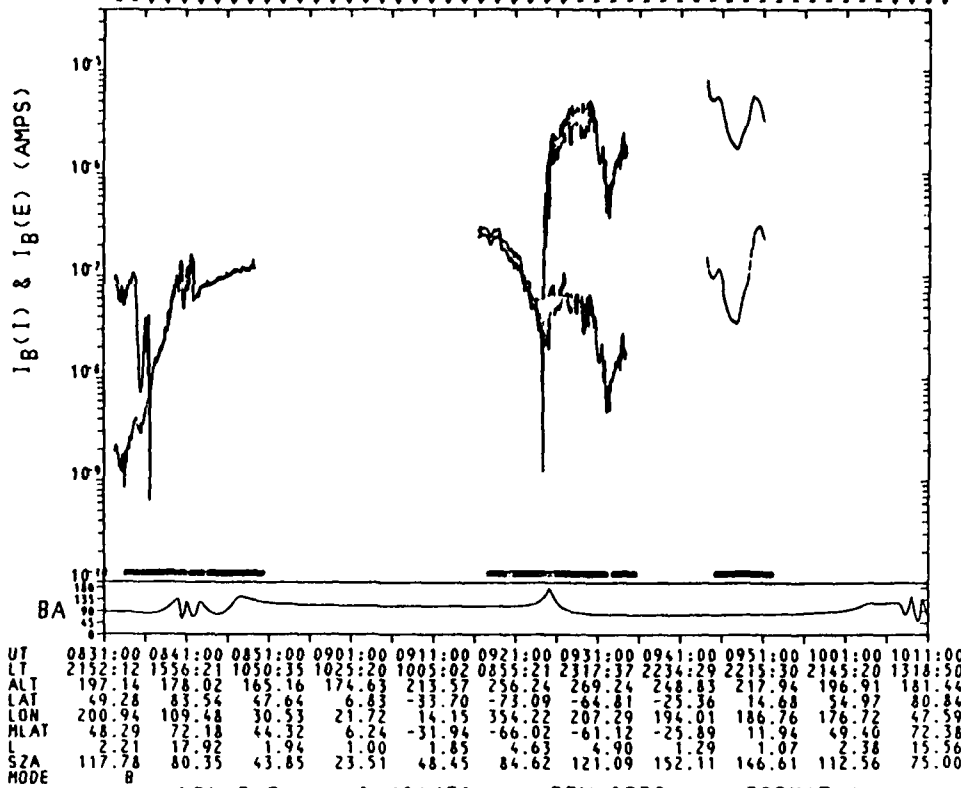


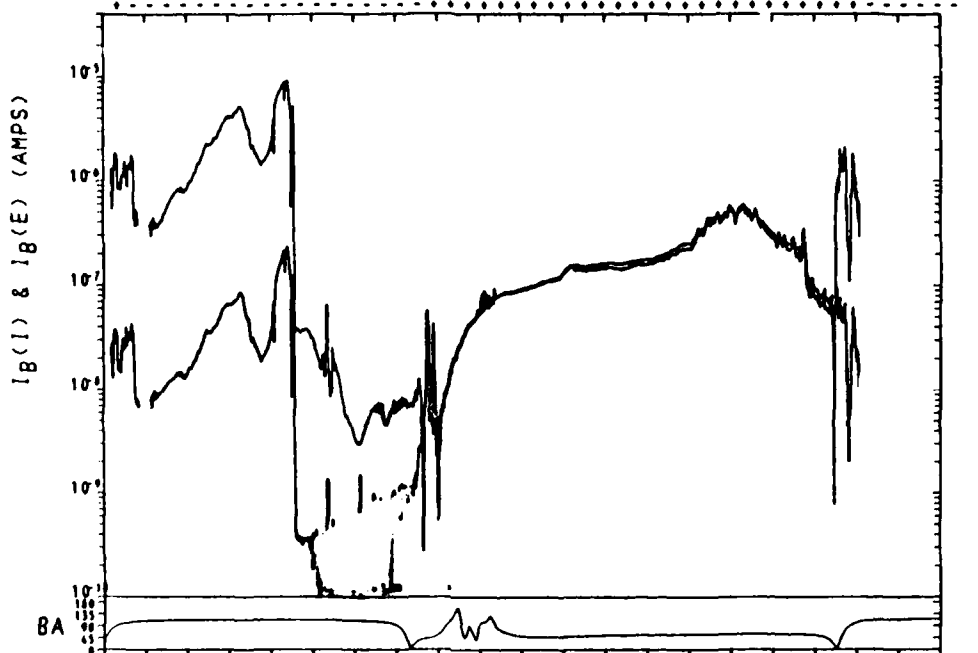


UT	1840:00	1850:00	1900:00	1910:00	1920:00	1930:00	1940:00	1950:00	2000:00	2010:00	2020:00
LT	0154:51	2247:33	2224:06	2203:21	2036:34	1108:27	1031:29	1012:23	0935:56	0016:40	2242:10
ALT	251.48	238.73	207.06	182.45	169.61	161.57	166.33	195.65	234.74	251.09	233.01
LAT	-82.00	-44.63	-4.54	35.93	75.79	60.77	20.07	-20.60	-60.64	-76.79	-37.90
LOW	109.39	60.07	51.71	44.02	19.82	235.29	223.55	216.27	204.66	62.34	36.22
MLAT	-86.64	-51.28	-10.53	30.58	71.81	65.78	24.34	-16.94	-57.73	-80.12	-40.34
L	43.89	2.88	1.06	1.36	11.01	6.10	1.20	1.13	4.03	15.11	2.14
SZA	103.14	138.40	156.08	129.80	92.87	55.46	25.59	37.61	72.50	109.34	143.69
MODE	A										

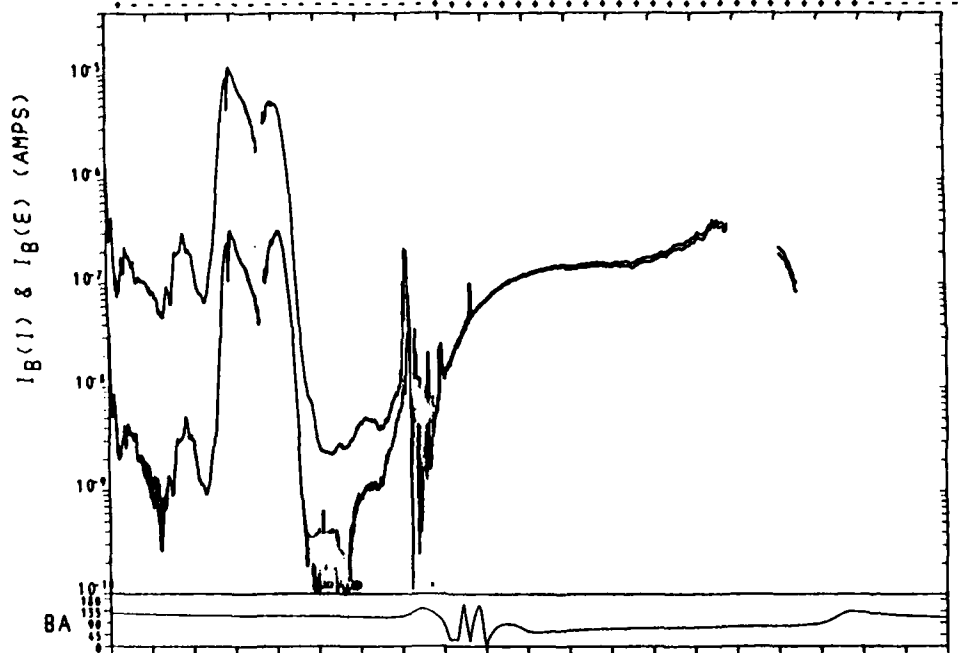


UT	0034:00	0044:00	0054:00	0104:00	0114:00	0124:00	0134:00	0144:00	0154:00	0204:00	0214:00
LT	0240:06	2249:25	2225:11	2205:06	2054:17	1114:30	1033:03	1013:52	0940:52	0047:53	2244:38
ALT	268.09	265.27	237.22	208.65	187.04	169.39	167.08	195.52	241.58	269.84	261.69
LAT	-82.89	-46.55	-6.78	33.39	73.25	63.59	22.94	-17.77	-52.86	-79.27	-41.06
LOW	32.19	332.01	323.46	315.94	295.73	148.29	135.42	128.13	117.38	341.63	308.32
MLAT	-78.04	-37.74	2.66	43.37	84.40	54.09	12.66	-28.48	-69.06	-70.19	-30.23
L	11.15	1.78	1.10	1.79	55.76	3.37	1.04	1.25	12.01	5.85	1.41
SZA	101.66	136.93	156.45	131.91	95.34	57.92	26.77	35.55	70.01	106.75	141.36
MODE	A										

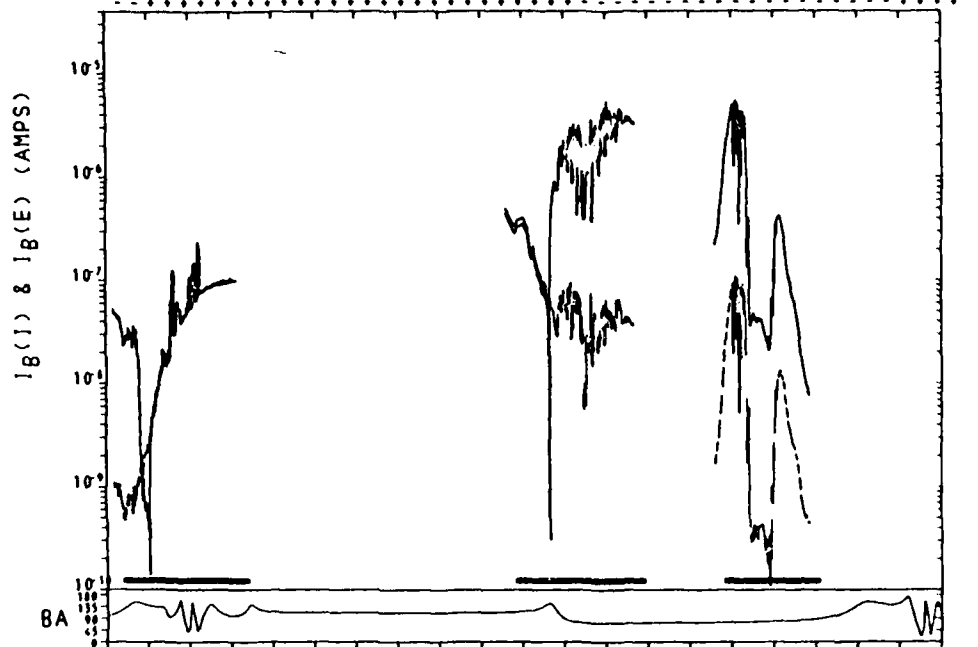




UT	2114:00	2124:00	2134:00	2144:00	2154:00	2204:00	2214:00	2224:00	2234:00	2244:00	2254:00
LT	0251:49	2250:00	2225:35	2205:30	2055:00	1114:53	1033:22	1014:11	0941:12	0047:55	2244:52
ALT	262.53	257.67	228.63	200.87	181.54	166.52	163.89	194.15	238.38	263.96	253.50
LAT	-83.05	-46.86	-7.00	33.25	73.18	63.62	22.97	-17.74	-57.84	-79.26	-40.97
LON	85.06	22.10	13.50	5.97	345.85	198.32	183.44	178.14	167.40	31.58	358.31
MLAT	-84.23	-46.20	-5.71	35.15	75.92	61.25	19.82	-21.51	-62.32	-76.16	-36.11
L	24.75	2.58	1.14	1.29	12.82	4.33	1.15	1.17	6.17	9.41	1.97
SZA	101.63	137.00	156.56	131.79	95.11	57.62	26.52	35.69	70.27	107.09	141.76
MODE	A										



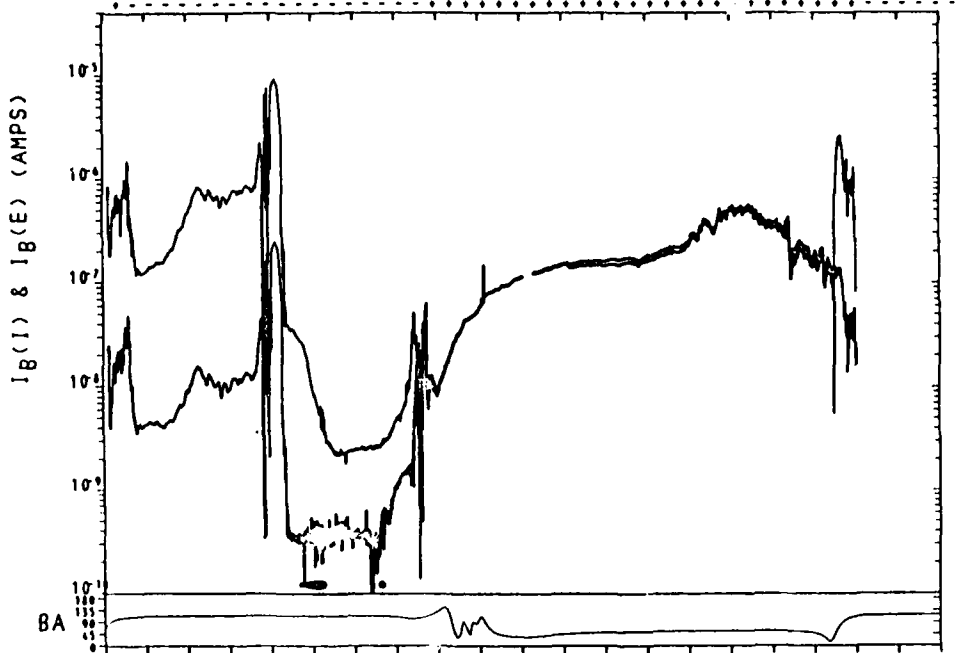
UT	0309:00	0319:00	0329:00	0339:00	0349:00	0359:00	0409:00	0419:00	0429:00	0439:00	0449:00
LT	0117:16	2246:29	2223:50	2202:48	2026:17	1106:33	1031:17	1012:09	0933:55	0007:29	2241:51
ALT	261.71	252.59	222.67	196.25	178.27	164.66	166.73	197.56	240.87	262.12	248.01
LAT	-80.75	-42.89	-2.95	37.36	76.96	59.52	18.79	-21.49	-61.49	-75.73	-36.84
LON	332.65	292.45	284.29	276.53	249.90	107.47	96.15	88.87	76.81	292.70	268.79
MLAT	-70.84	-31.54	8.36	48.38	81.67	48.16	7.71	-32.46	-70.56	-64.38	-26.12
L	6.13	1.40	1.11	2.46	69.02	2.84	1.00	1.42	8.95	4.17	1.30
SZA	105.37	140.32	155.76	128.17	91.17	53.82	24.75	38.91	74.13	110.94	144.98
MODE	A										



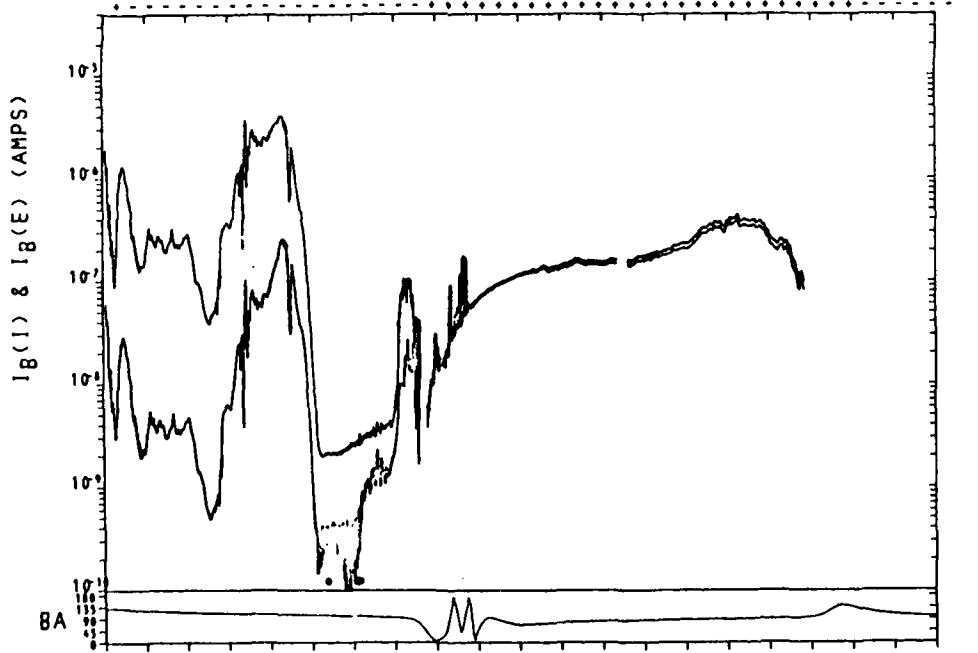
UT	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00	1205:00	1215:00	1225:00	1235:00	1245:00
LT	2152:26	1550:00	1050:45	1025:36	1005:16	0854:36	2317:20	2234:40	2219:39	2144:59	1308:44
ALT	190.08	173.83	163.70	174.48	212.59	252.04	262.51	239.98	209.10	187.41	171.63
LAT	49.41	83.52	47.43	6.63	-33.89	-73.29	-64.56	-25.03	15.11	55.48	80.38
LOW	162.42	69.31	351.99	343.21	335.63	315.46	168.64	155.47	148.22	138.05	6.49
MLAT	41.87	73.16	51.56	13.22	-25.70	-62.64	-68.22	-32.58	6.17	45.23	76.90
L	1.55	19.24	2.15	1.04	1.48	3.72	10.71	1.46	1.00	2.28	21.67
SZA	117.31	79.77	43.25	23.43	48.92	85.20	121.74	152.65	146.11	111.72	74.02
MODE	B										



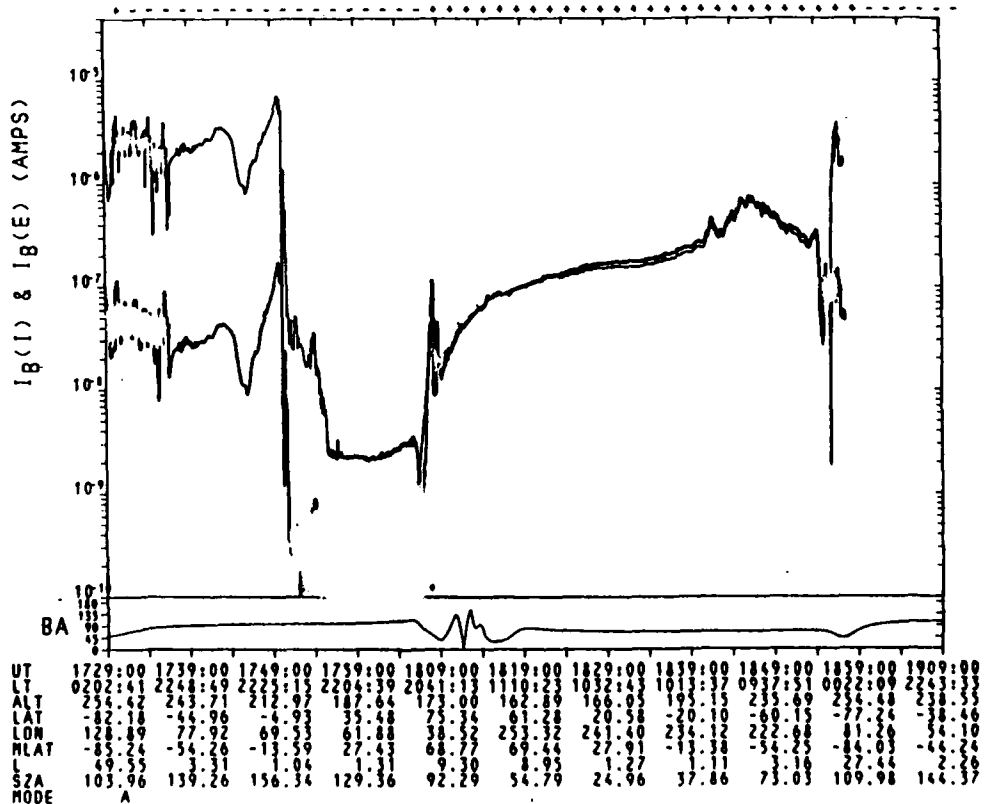
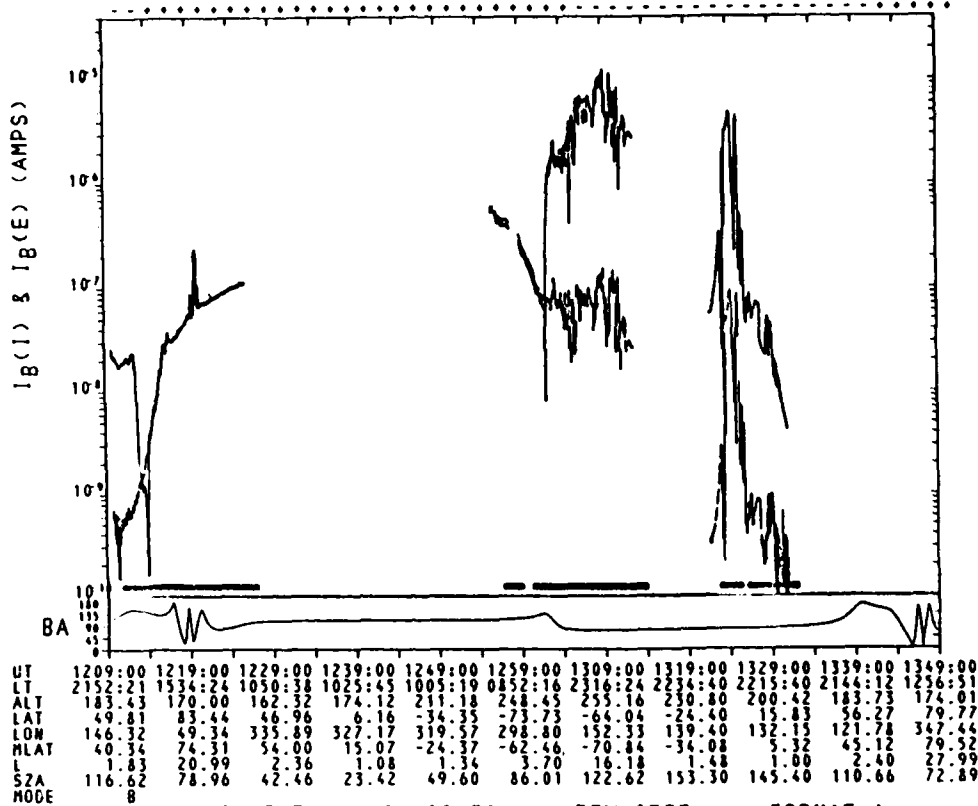
UT	1754:00	1804:00	1814:00	1824:00	1834:00	1844:00	1854:00	1904:00	1914:00	1924:00	1934:00
LT	0150:56	2248:06	2224:46	2204:08	2059:23	1109:42	1032:18	1013:11	0937:12	0020:40	2243:10
ALT	260.06	251.02	220.73	194.22	177.16	164.68	166.77	196.61	239.23	260.47	246.30
LAT	-81.89	-44.54	-4.59	35.74	75.53	61.09	20.39	-20.28	-60.32	-77.13	-38.40
LOW	119.77	71.57	63.23	55.57	31.88	246.96	235.11	227.83	216.34	74.70	47.83
MLAT	-86.32	-53.00	-12.39	28.57	69.83	68.21	26.71	-14.59	-55.42	-82.69	-43.04
L	51.62	3.10	1.05	1.33	9.84	7.81	1.24	1.12	3.42	21.86	2.23
SZA	104.05	139.22	156.21	129.41	92.44	55.00	25.16	37.80	72.87	109.73	144.05
MODE	A										

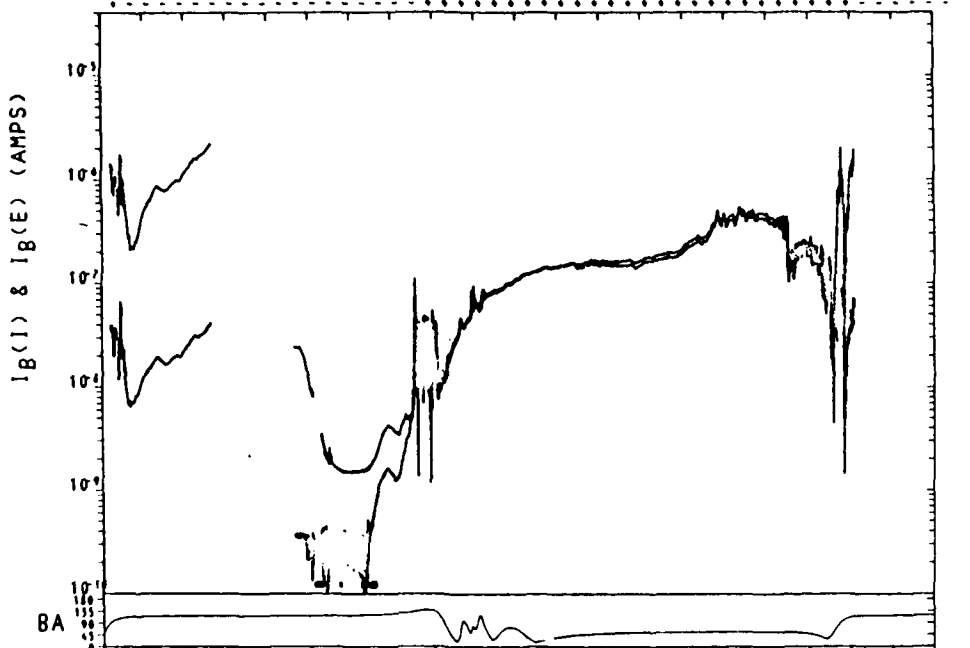


UT	2219:00	2229:00	2239:00	2249:00	2259:00	2309:00	2319:00	2329:00	2339:00	2349:00	2359:00
LT	0224:32	2249:23	2223:26	2205:04	2048:01	1112:22	1033:01	1013:53	0939:26	0032:47	2244:08
ALT	255.78	249.60	219.46	192.97	176.26	164.09	165.71	194.50	236.75	258.51	244.85
LAT	-82.63	-45.85	-5.90	34.45	74.76	162.35	21.67	-19.02	-59.10	-71.18	-39.59
LDN	324.66	276.80	268.47	260.79	236.67	92.08	80.33	73.05	61.45	279.19	235.01
MLAT	-71.38	-33.30	6.19	45.70	78.42	49.84	10.10	-29.55	-66.79	-65.37	-28.60
L	6.41	1.45	1.06	2.13	31.30	3.10	1.09	1.38	6.10	4.59	1.37
SZA	104.27	139.48	156.49	130.48	93.57	56.06	25.62	36.87	71.79	108.68	143.22
MODE	A										

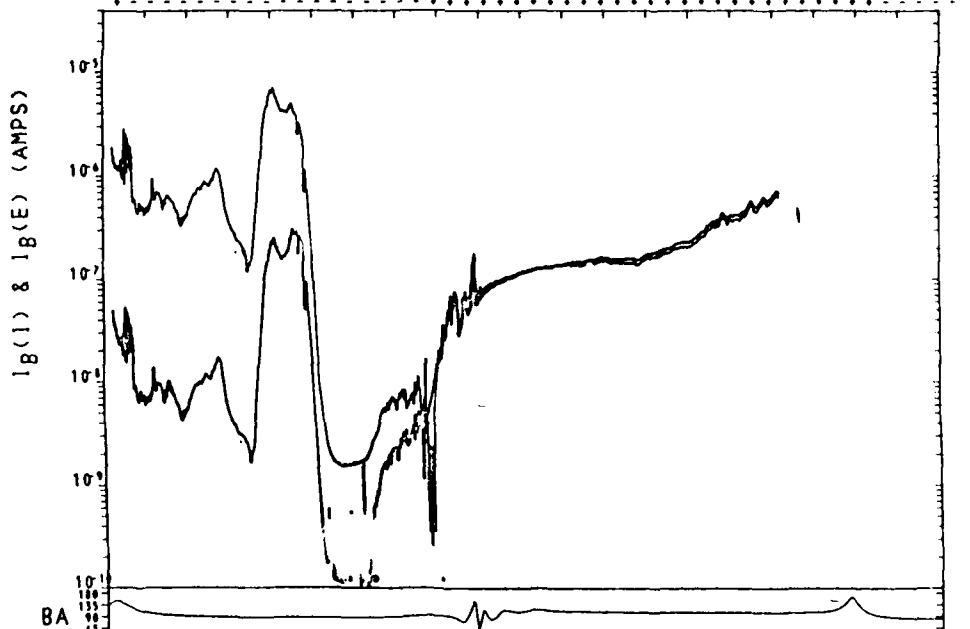


UT	0413:00	0423:00	0433:00	0443:00	0453:00	0503:00	0513:00	0523:00	0533:00	0543:00	0553:00
LT	0149:31	2248:09	2224:50	2204:08	2037:39	1109:19	1032:18	1013:11	0936:48	0017:45	2243:02
ALT	255.78	245.82	215.42	189.83	174.16	162.88	165.56	195.03	236.41	256.08	240.80
LAT	-81.85	-44.43	-4.42	35.96	75.76	60.82	20.11	-20.58	-60.62	-76.84	-38.01
LDN	324.66	276.80	268.47	260.79	236.67	92.08	80.33	73.05	61.45	279.19	235.01
MLAT	-71.38	-33.30	6.19	45.70	78.42	49.84	10.10	-29.55	-66.79	-65.37	-28.60
L	6.41	1.45	1.06	2.13	31.30	3.10	1.09	1.38	6.10	4.59	1.37
SZA	104.27	139.48	156.19	129.10	92.05	54.59	24.93	38.12	73.29	110.20	144.50
MODE	A										

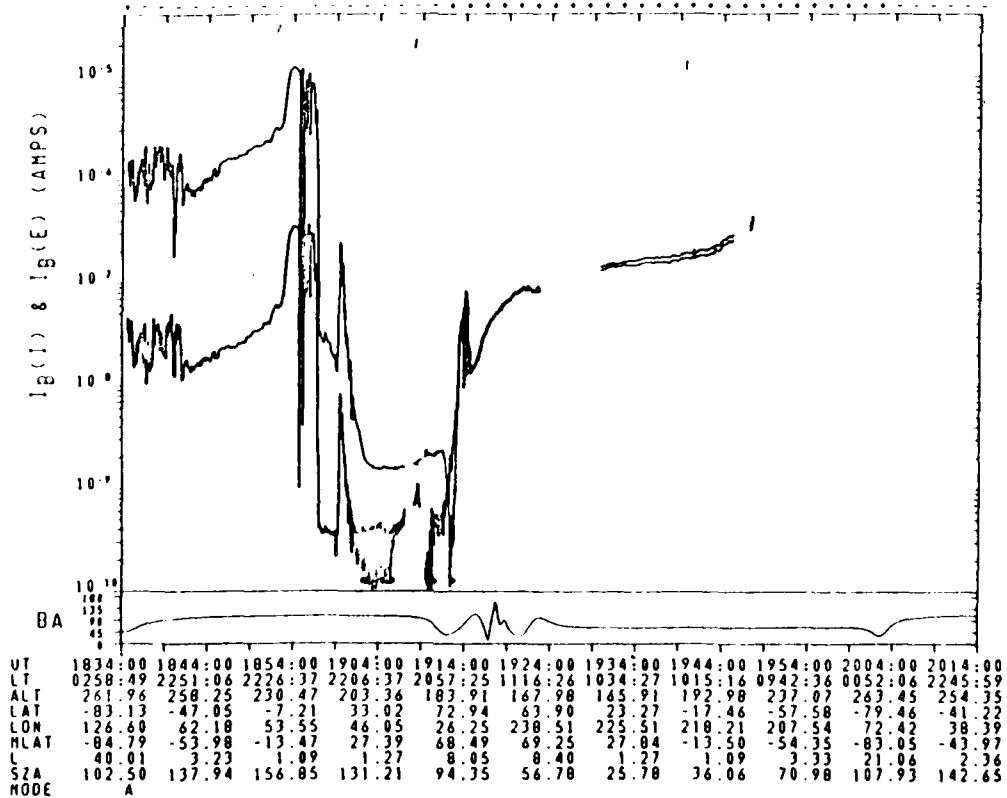
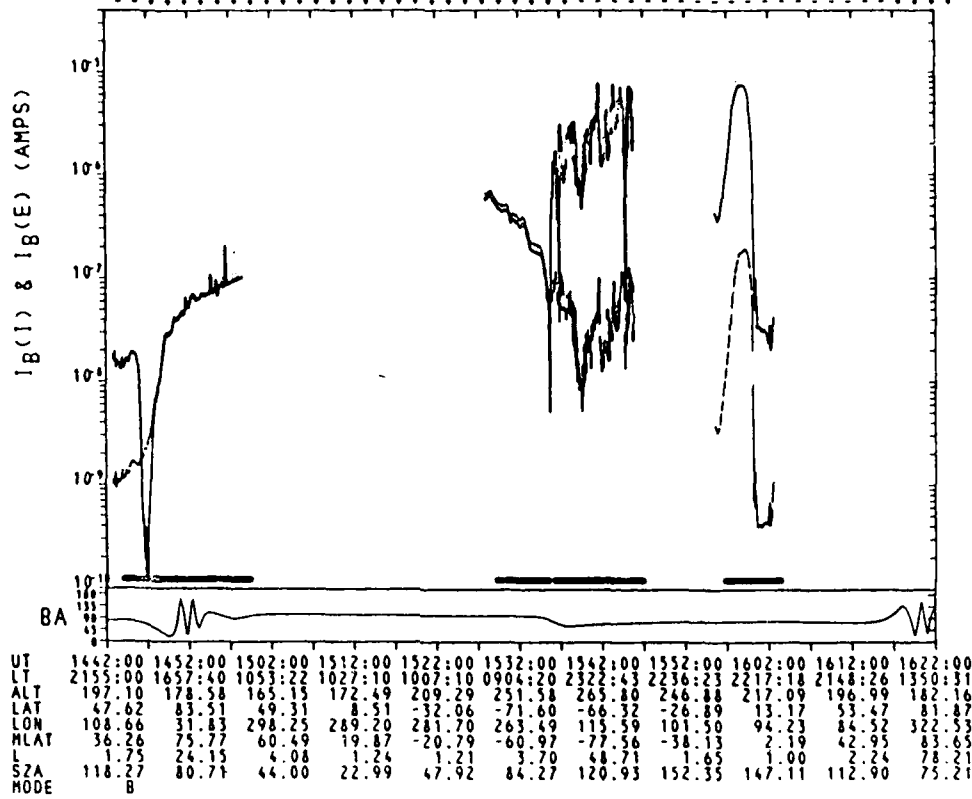


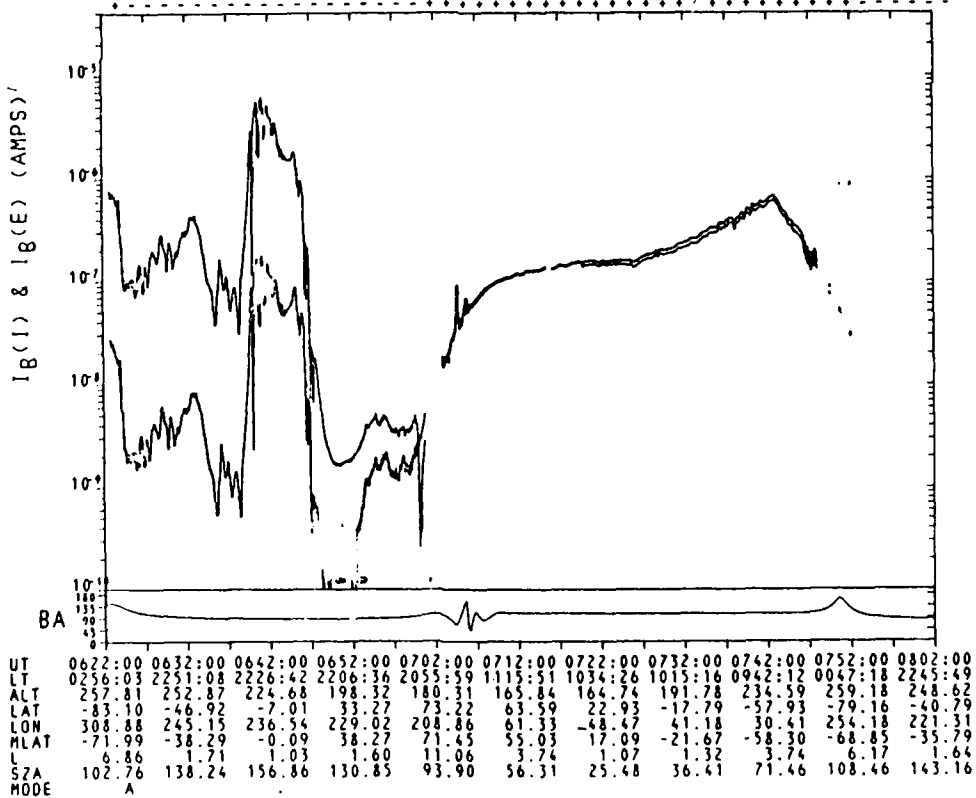
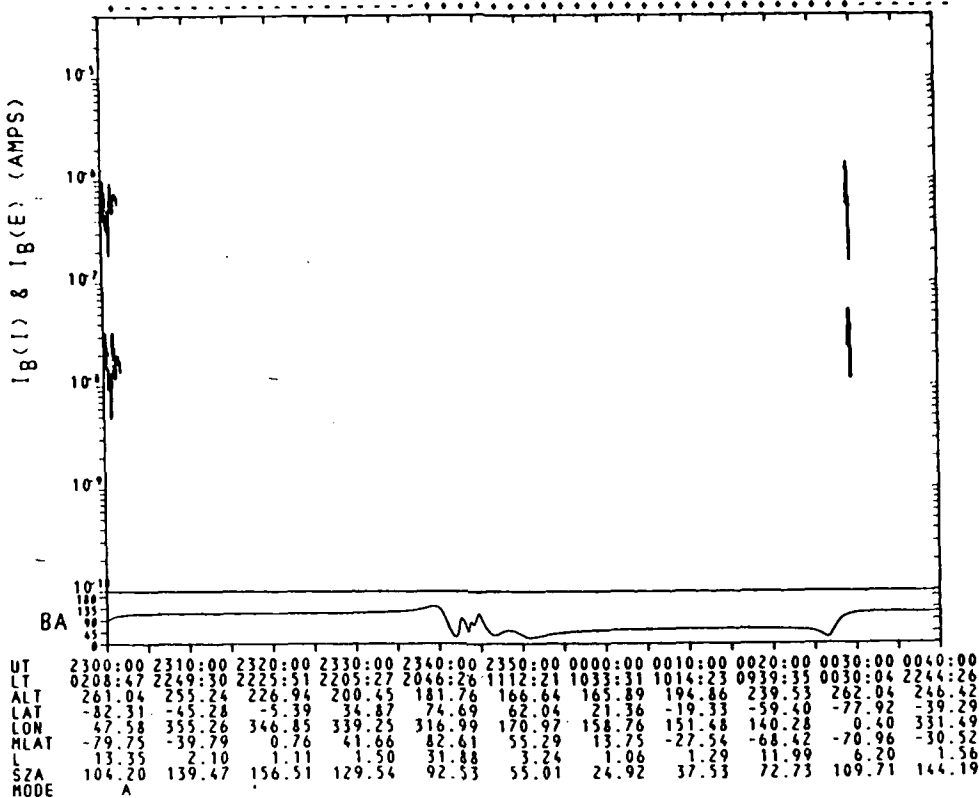


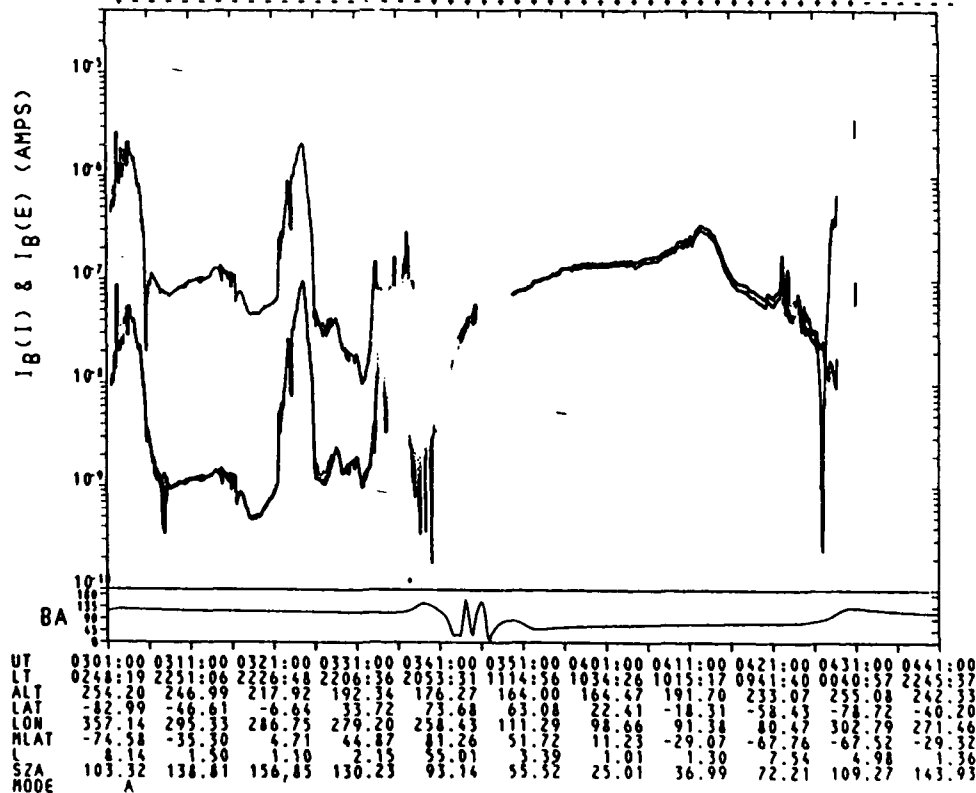
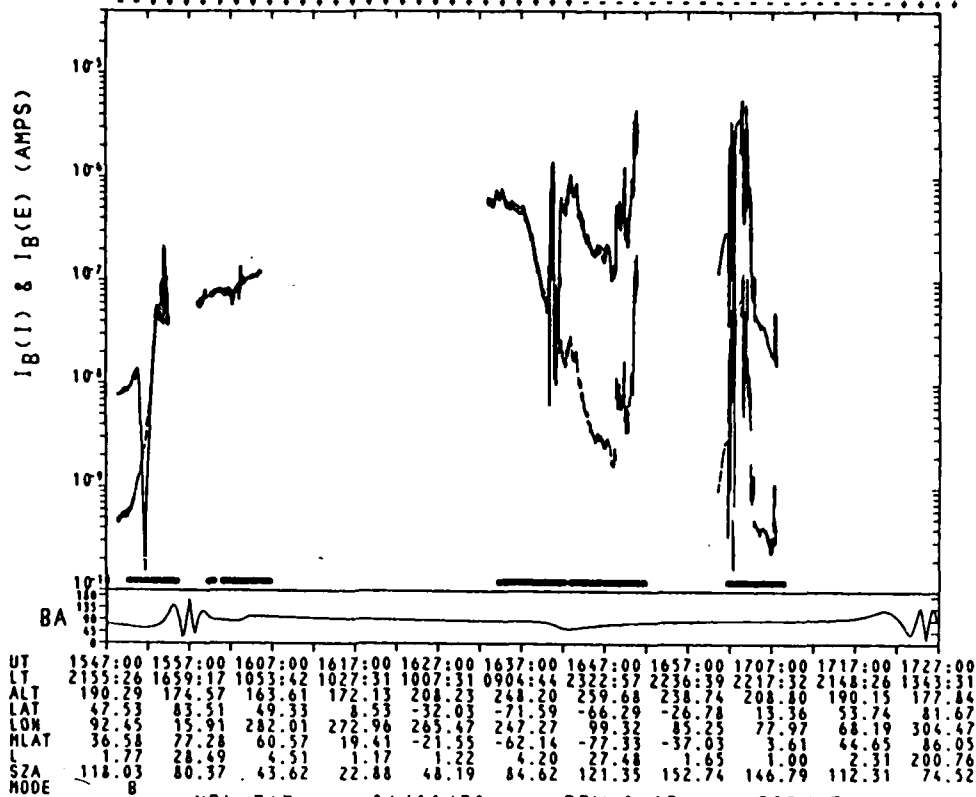
UT	2322:00	2332:00	2342:00	2352:00	0002:00	0012:00	0022:00	0032:00	0042:00	0052:00	0102:00
LT	0355:26	2252:37	2227:12	2207:33	2106:36	1121:08	1035:08	1015:44	0944:29	0112:27	2246:38
ALT	265.94	266.24	240.00	211.77	189.39	165.53	152.90	175.10	223.77	259.09	257.24
LAT	-83.54	-68.78	-9.04	31.09	71.06	65.85	25.16	-15.74	-56.08	-80.53	-42.57
LOW	68.81	350.61	341.75	334.34	316.60	167.73	153.73	146.38	136.07	5.56	326.61
MLAT	-82.32	-42.46	-2.03	38.73	79.79	58.46	16.82	-24.67	-65.75	-73.60	-33.21
L	18.51	2.17	-1.14	1.41	19.27	4.01	1.09	-1.20	8.75	7.49	1.59
SZA	100.65	136.20	156.98	133.07	96.49	58.87	26.96	34.65	69.33	100.36	141.27
MODE	A										

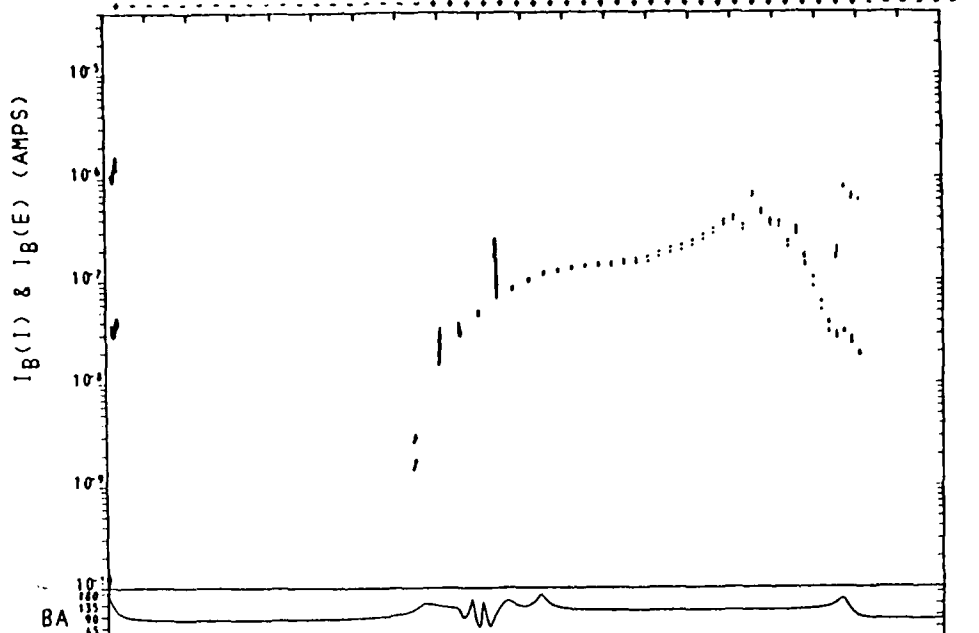


UT	0645:00	0655:00	0705:00	0715:00	0725:00	0735:00	0745:00	0755:00	0805:00	0815:00	0825:00
LT	0404:08	2252:56	2227:24	2207:46	2107:24	1121:49	1035:30	1016:11	0945:39	0126:55	2247:40
ALT	264.75	264.20	237.46	209.39	188.31	170.63	166.51	192.16	237.23	266.89	260.78
LAT	-83.56	-49.01	-9.24	30.92	70.91	66.04	25.47	-15.27	-55.44	-81.11	-43.44
LOW	320.21	239.91	231.03	223.62	206.03	57.14	43.05	35.73	25.59	258.41	216.10
MLAT	-72.80	-40.99	-3.18	34.97	69.06	57.88	20.49	-18.16	-55.03	-70.48	-39.27
L	7.25	1.86	1.04	1.48	8.42	4.35	1.11	1.27	3.32	6.82	1.82
SZA	100.54	136.13	157.03	133.14	96.53	58.93	27.00	34.34	68.82	105.73	140.71
MODE	A										

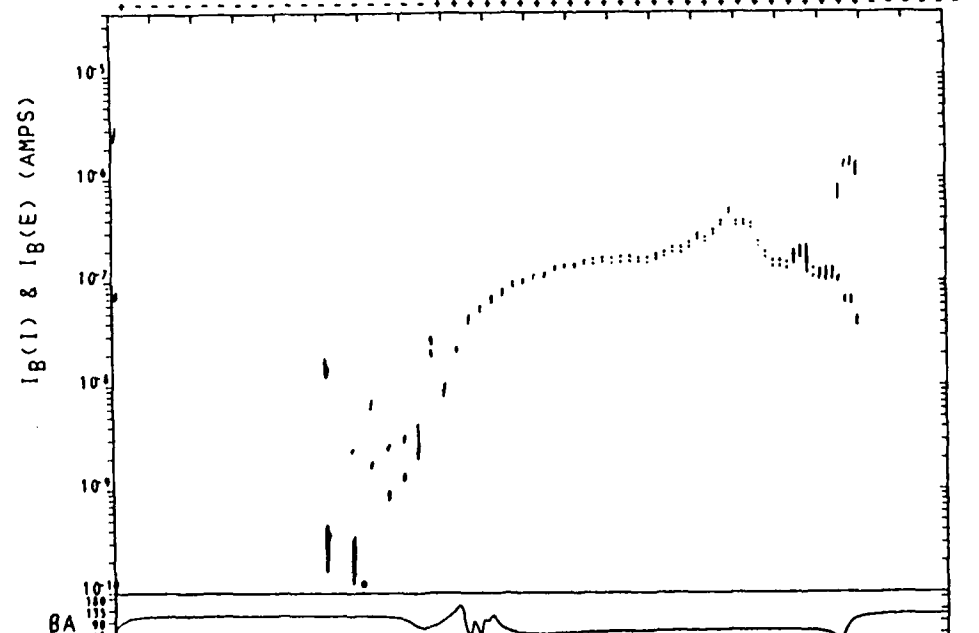




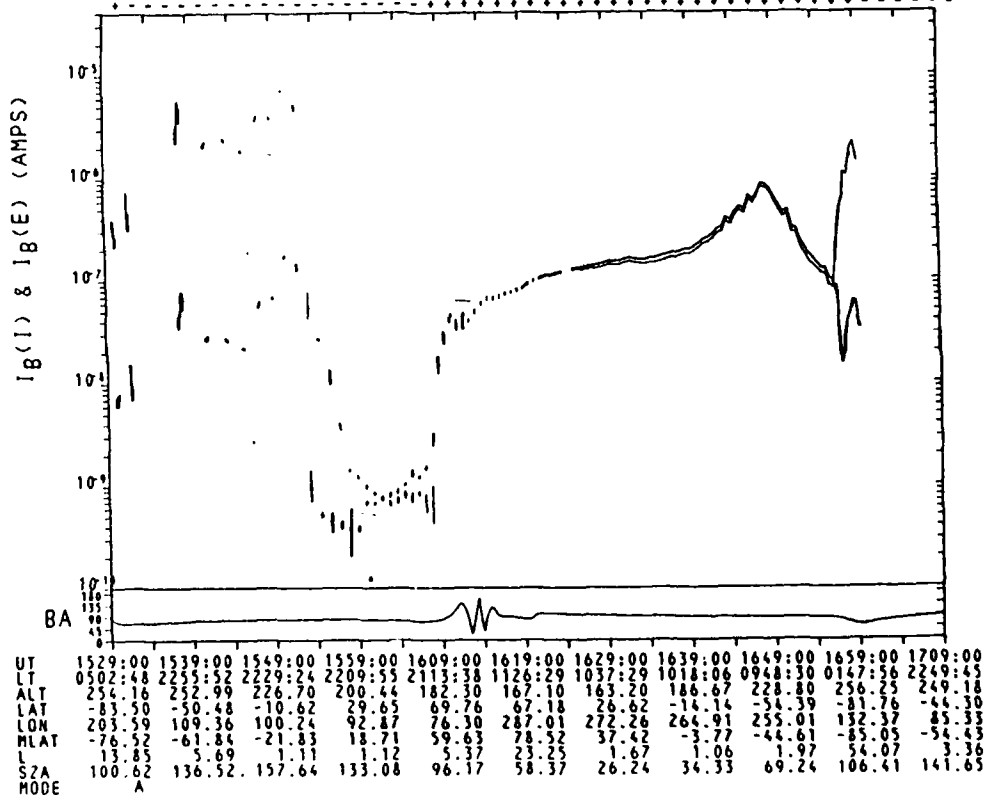
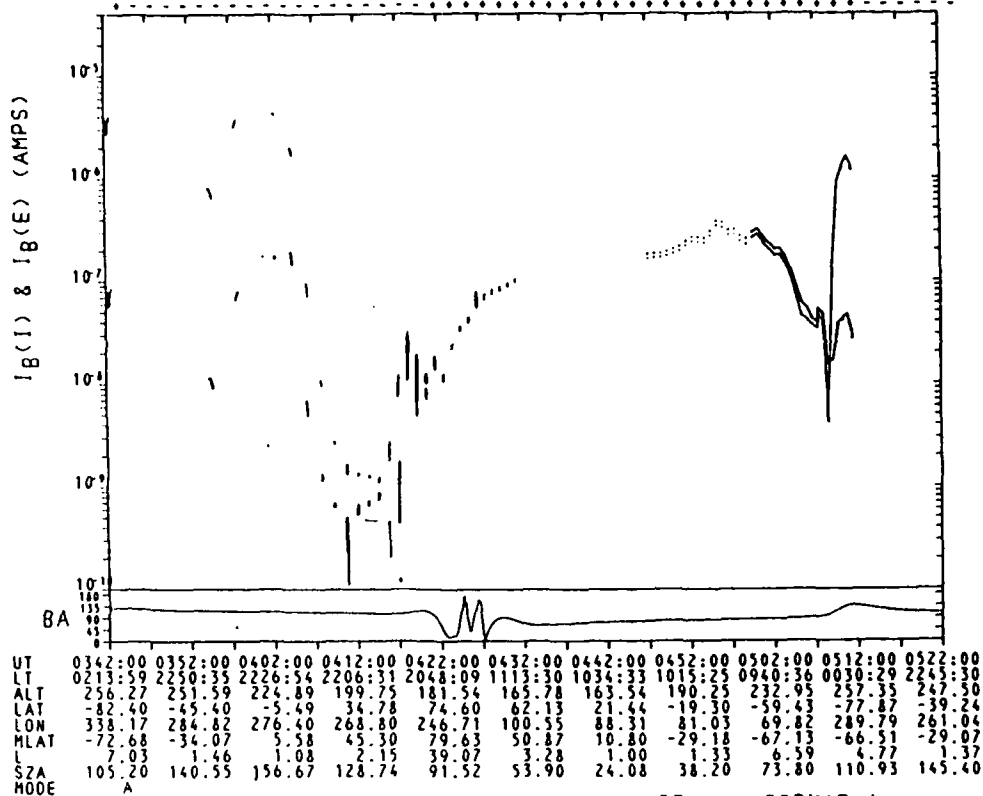


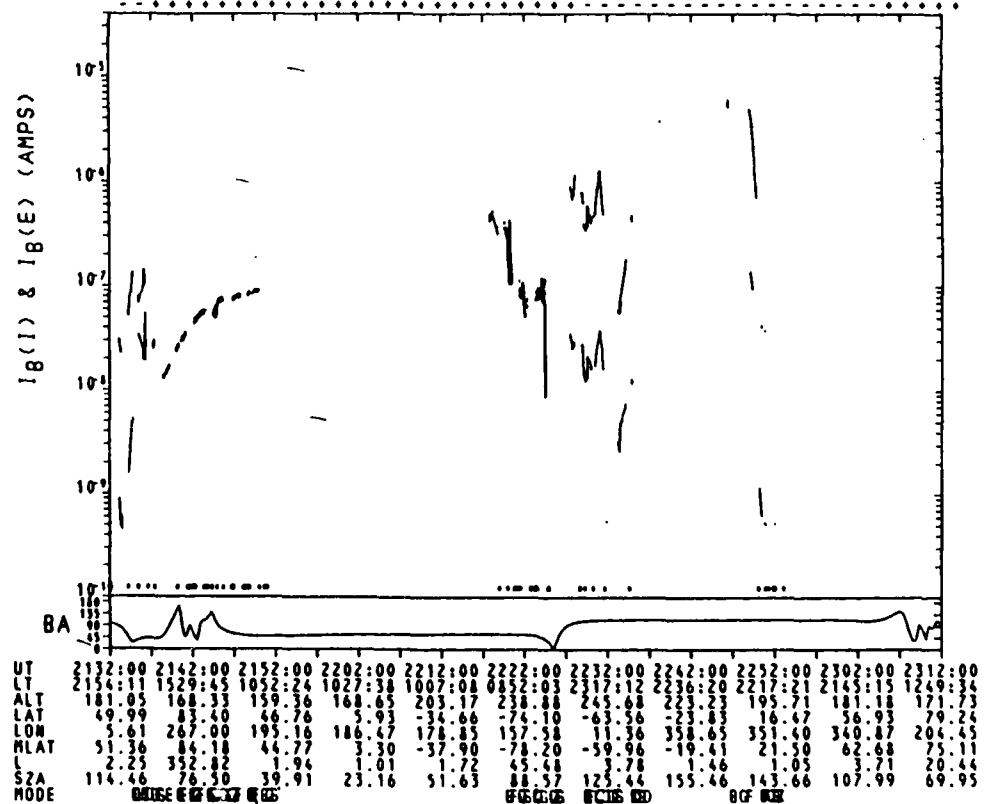
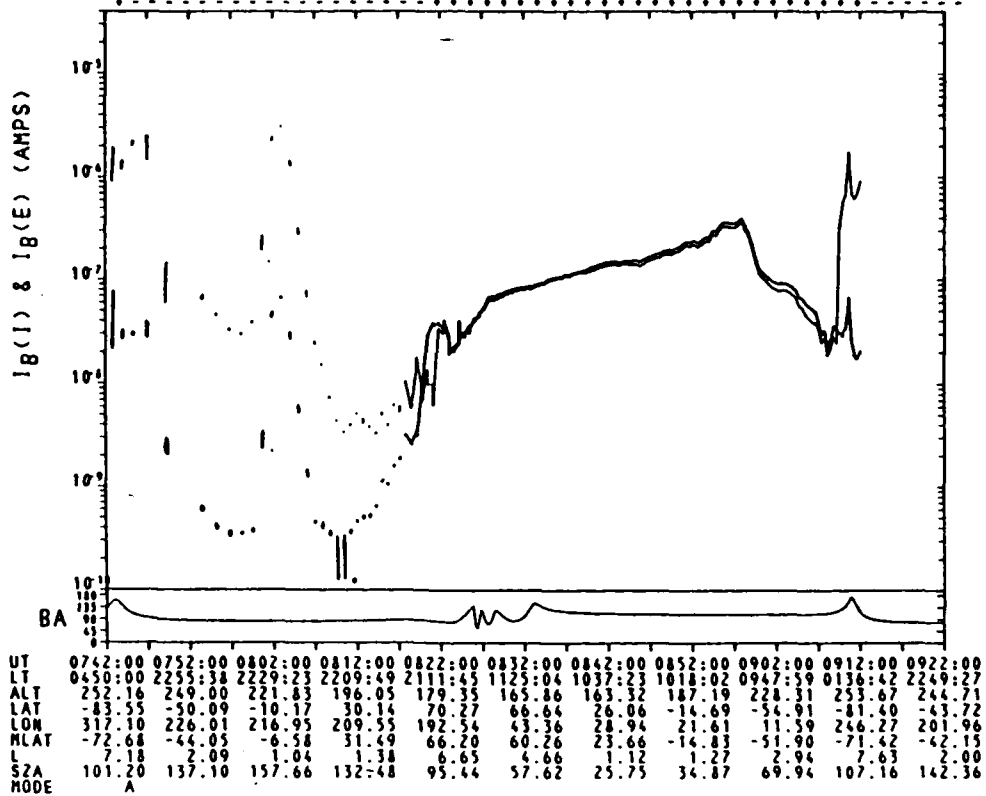


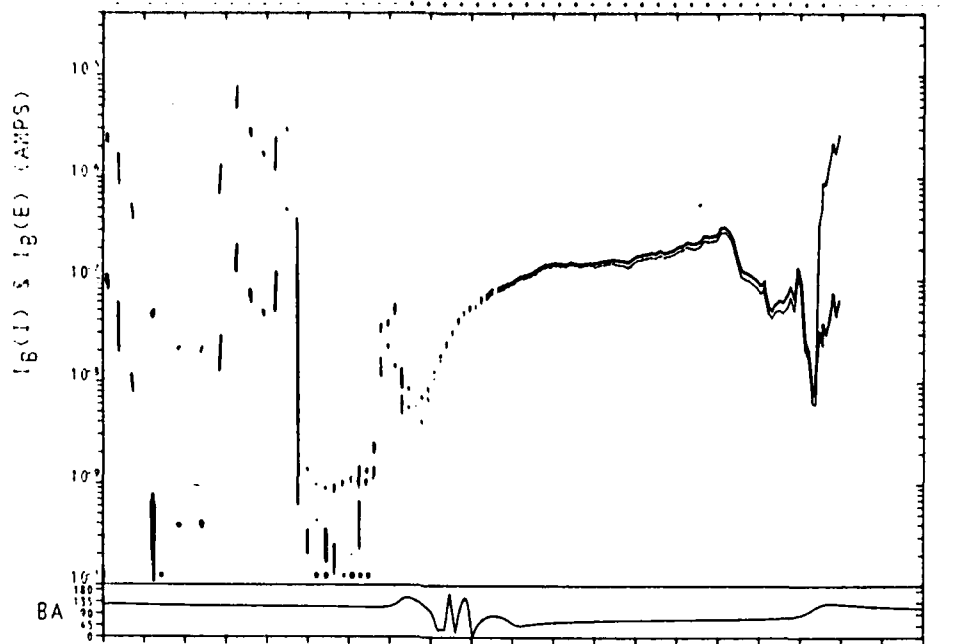
UT	0959:00	1009:00	1019:00	1029:00	1039:00	1049:00	1059:00	1109:00	1119:00	1129:00	1139:00
LT	0403:52	2253:51	2228:21	2208:42	2108:06	1122:38	1036:27	1017:08	0946:28	0124:43	2248:29
ALT	261.23	261.72	236.57	209.73	188.94	170.47	164.82	189.04	233.45	263.35	258.42
LAT	-83.56	-48.94	-9.16	31.00	70.97	65.98	25.40	-15.36	-55.57	-80.99	-43.44
LON	271.44	191.43	182.56	175.15	157.50	8.63	354.58	347.25	337.08	209.15	167.49
MLAT	-72.40	-49.21	-12.26	25.83	62.13	65.37	29.68	-9.13	-47.20	-74.38	-48.35
L	7.61	2.68	1.06	1.25	5.59	5.22	1.13	-1.23	-2.24	11.80	5.59
SZA	101.70	137.36	157.36	132.24	95.39	57.71	26.00	35.00	69.95	107.03	142.04
MODE	A										



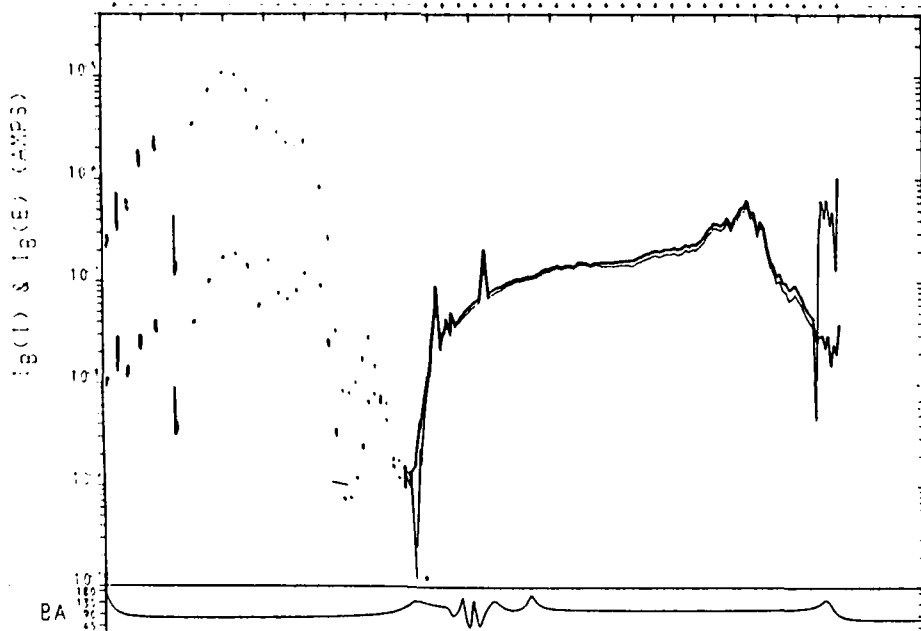
UT	2148:00	2158:00	2208:00	2218:00	2228:00	2238:00	2248:00	2258:00	2308:00	2318:00	2328:00
LT	0225:55	2250:58	2227:03	2206:48	2051:32	1114:40	1034:47	1015:38	0961:30	0036:52	2245:34
ALT	258.40	254.70	228.29	202.63	183.61	167.03	164.10	190.59	233.94	259.60	250.81
LAT	-82.63	-45.88	-6.00	36.24	74.08	62.70	22.03	-18.71	-38.85	-78.38	-39.86
LON	69.67	13.43	4.95	357.39	336.07	189.36	176.88	169.59	154.56	19.90	349.66
MLAT	-82.63	-43.60	-3.08	37.78	78.48	58.82	17.33	-24.03	-64.91	-73.88	-33.61
L	19.15	2.40	1.13	1.35	17.22	3.76	1.11	1.22	7.93	7.75	1.82
SZA	104.69	140.08	156.79	129.28	92.13	54.51	24.36	37.69	73.18	110.29	144.84
MODE	A										



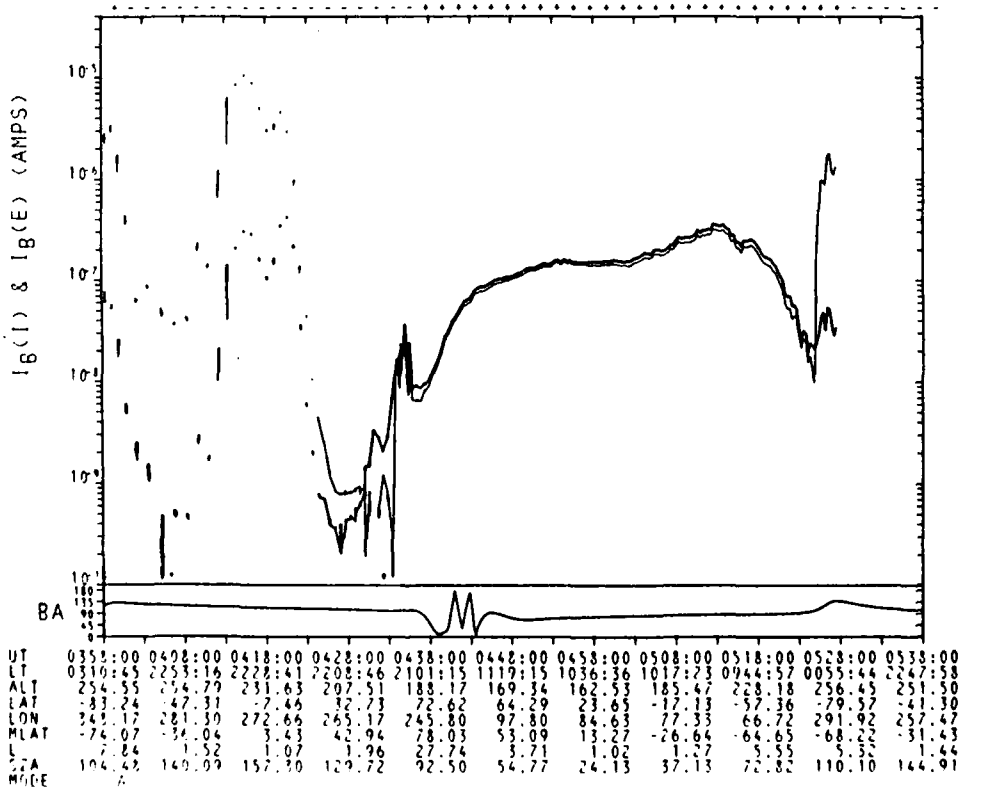
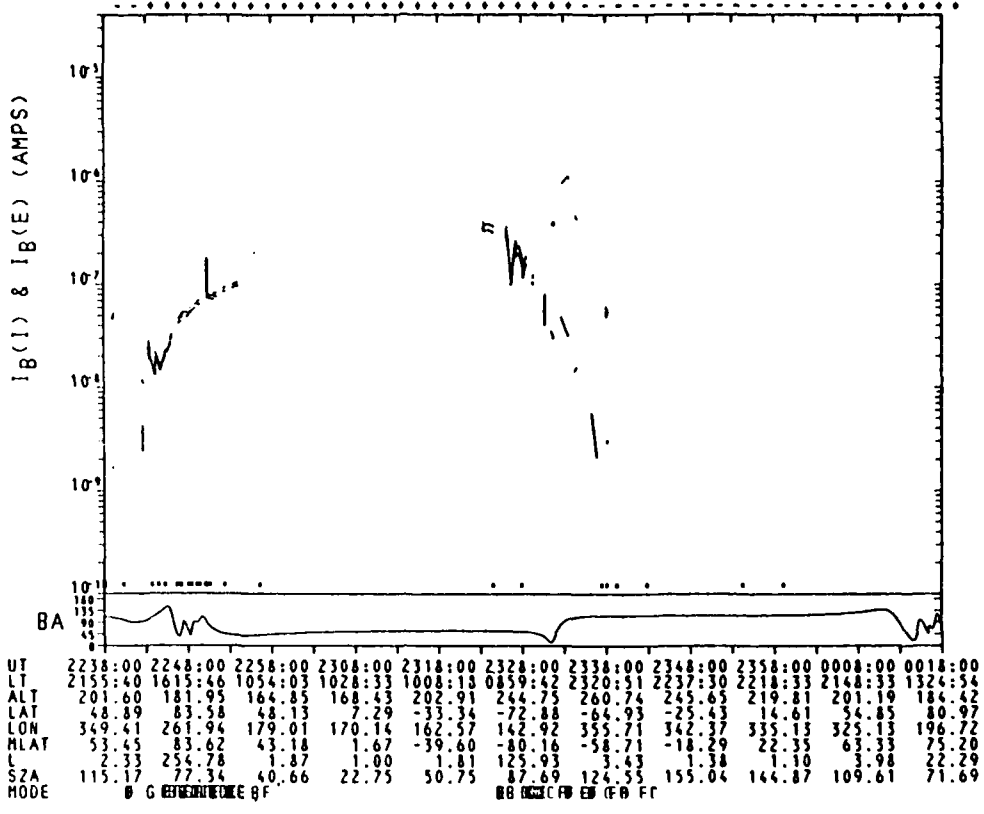


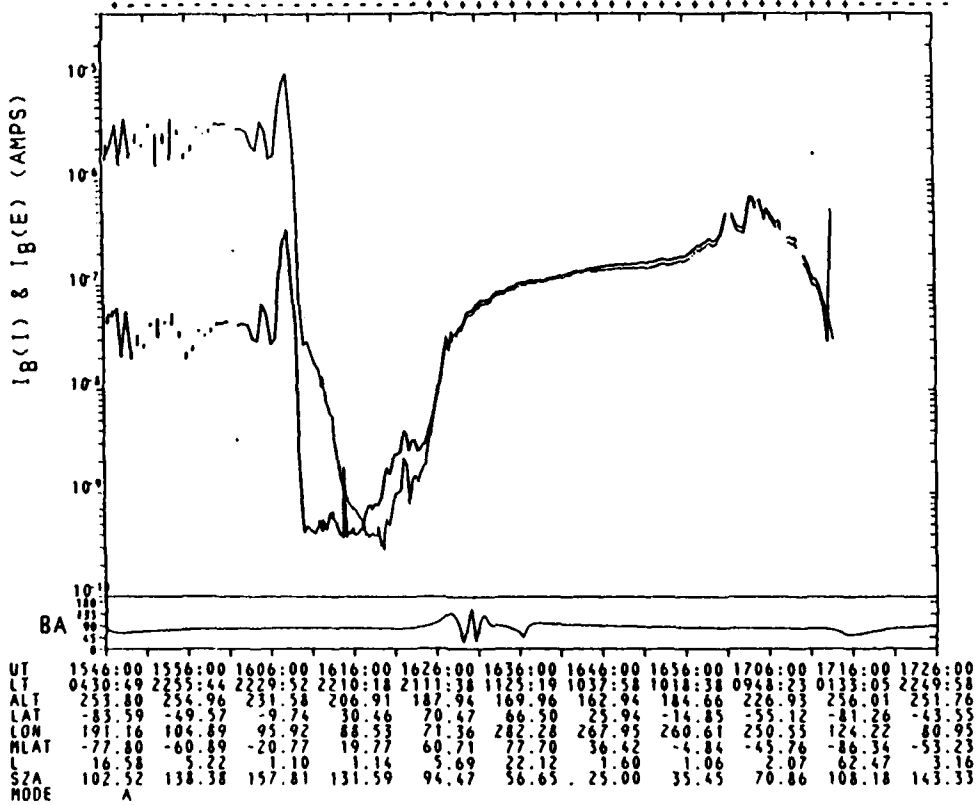
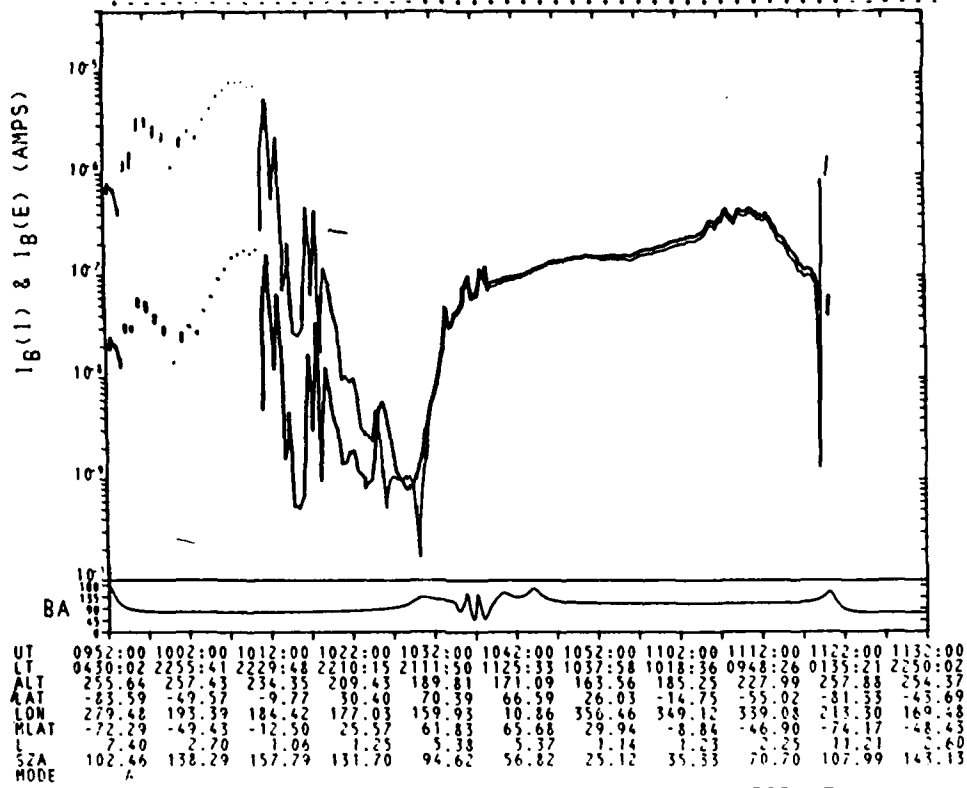


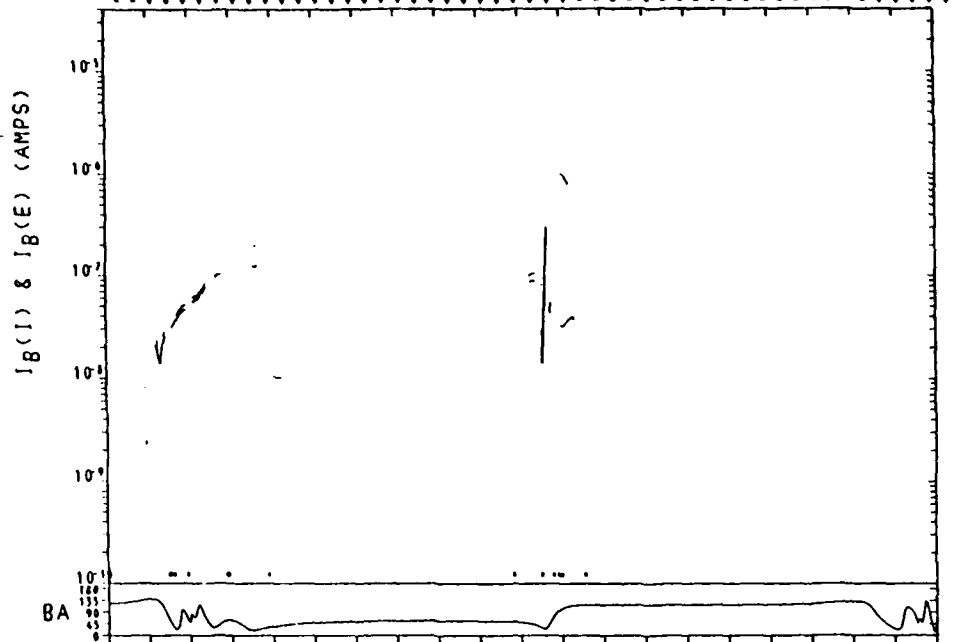
UT	0252:00	0302:00	0312:00	0322:00	0332:00	0342:00	0352:00	0402:00	0412:00	0422:00	0437:00
LT	0124:13	2249:02	2226:18	2205:10	2025:36	1108:19	1033:34	1014:27	0935:20	0004:42	2243:42
ALT	244.20	233.46	205.17	183.20	170.22	159.71	161.70	189.19	227.37	243.98	228.01
LAT	-30.95	-42.96	-2.83	37.63	77.29	59.11	18.36	-22.37	-62.45	-75.08	-35.92
LOW	333.10	296.01	288.62	220.84	253.45	111.63	100.44	93.16	80.88	295.72	272.97
MLAT	-71.60	-71.42	2.53	48.84	82.52	47.76	7.13	-33.23	-71.68	-63.76	-74.97
L	6.34	-1.41	1.12	2.51	90.40	2.77	1.00	1.44	16.26	3.97	1.27
STA	192.07	143.22	155.76	125.66	88.04	50.46	22.68	41.13	77.29	114.54	142.51
MODE											



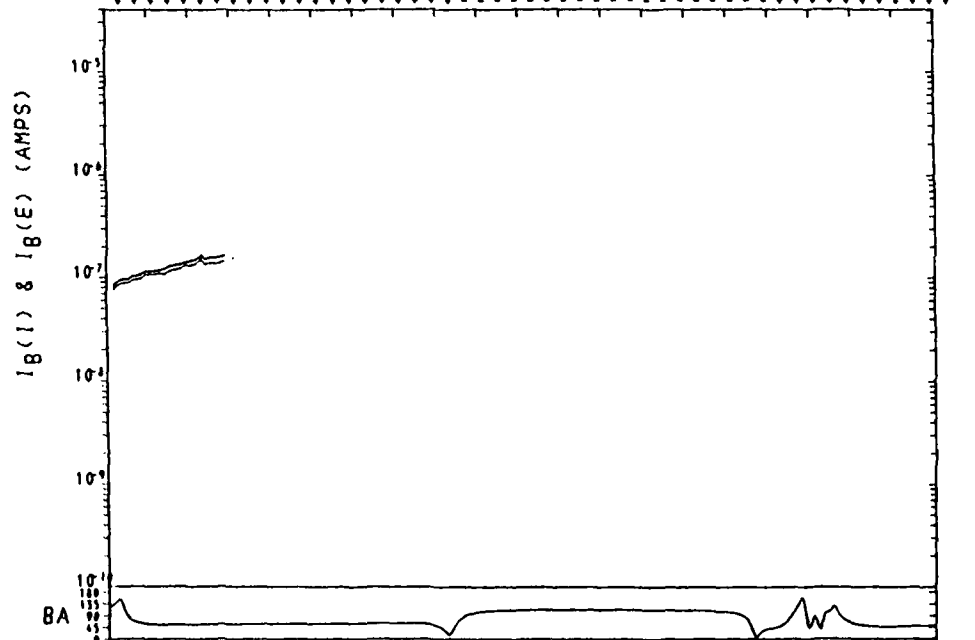
UT	1015:00	1025:00	1035:00	1045:00	1055:00	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00
LT	0412:25	2254:57	2229:22	2209:49	2110:41	1124:46	1037:36	1018:15	0947:55	0132:05	2249:40
ALT	259.45	263.40	241.75	216.71	195.26	173.96	164.44	185.71	229.72	261.92	260.76
LAT	-33.58	-49.14	-9.40	30.69	70.60	66.42	25.86	-14.93	-55.19	-81.75	-45.59
LOW	249.32	127.52	173.62	171.23	153.95	4.97	350.68	43.84	333.26	706.80	163.70
MLAT	-72.47	-52.17	-13.24	24.86	61.42	66.65	30.65	8.03	-46.33	-74.81	-49.39
L	7.89	2.31	1.57	1.25	5.38	5.74	1.15	1.21	16.16	12.58	1.71
STA	152.56	153.32	157.77	131.71	24.25	57.61	25.32	25.26	70.55	107.73	142.86
MODE											



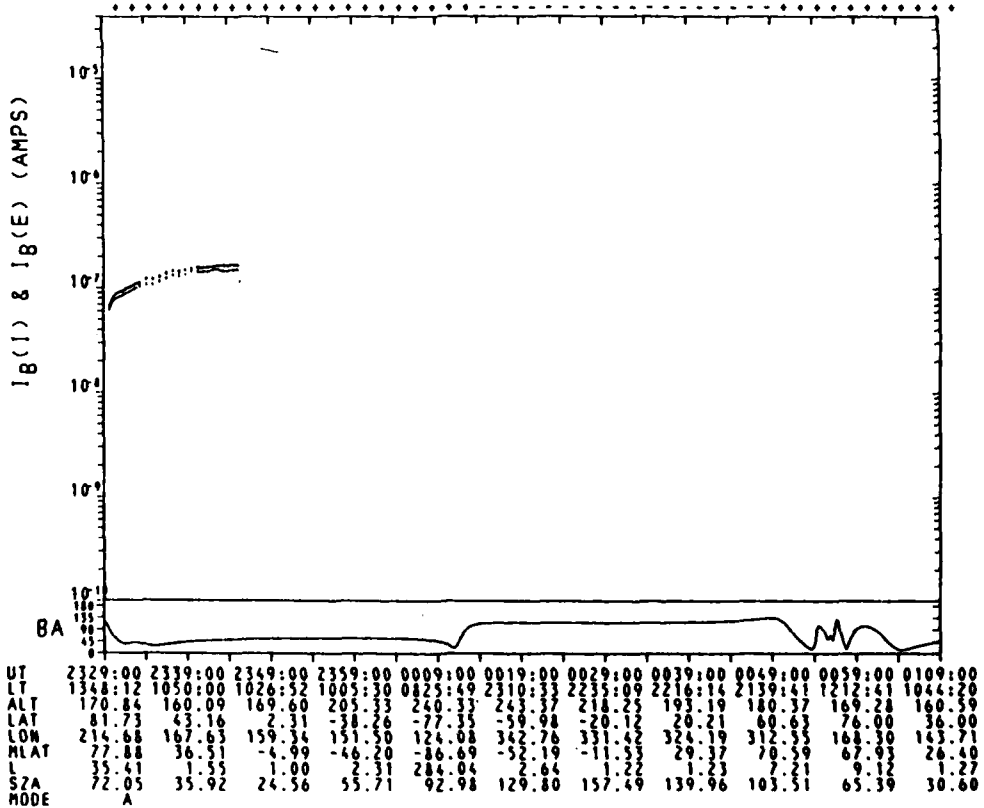
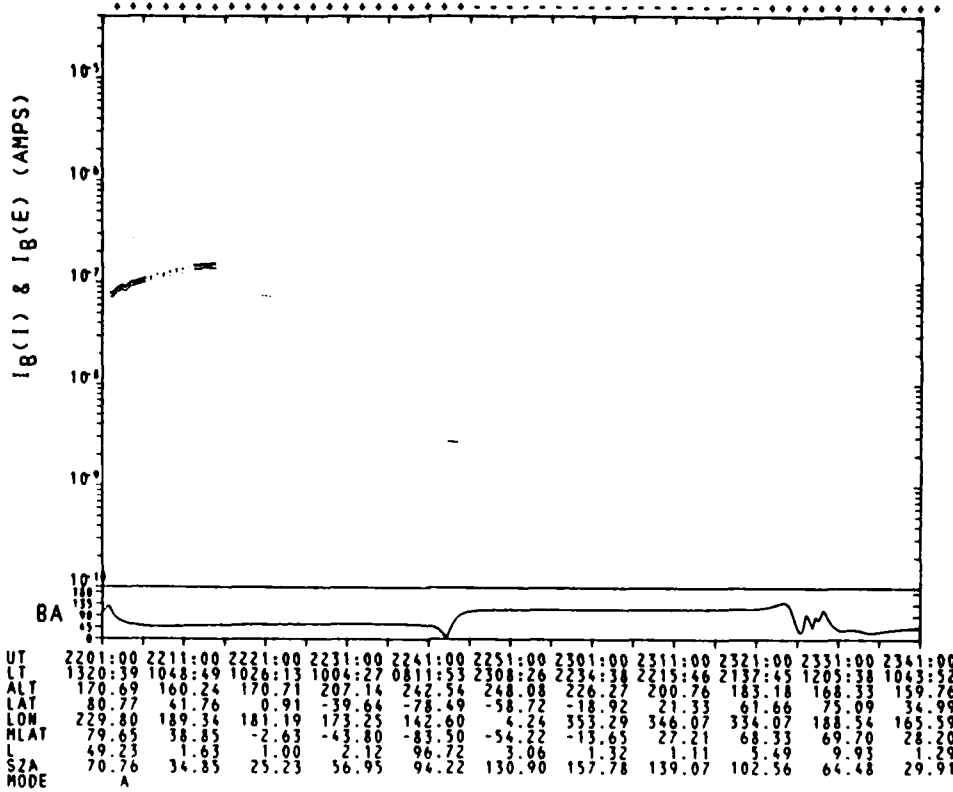


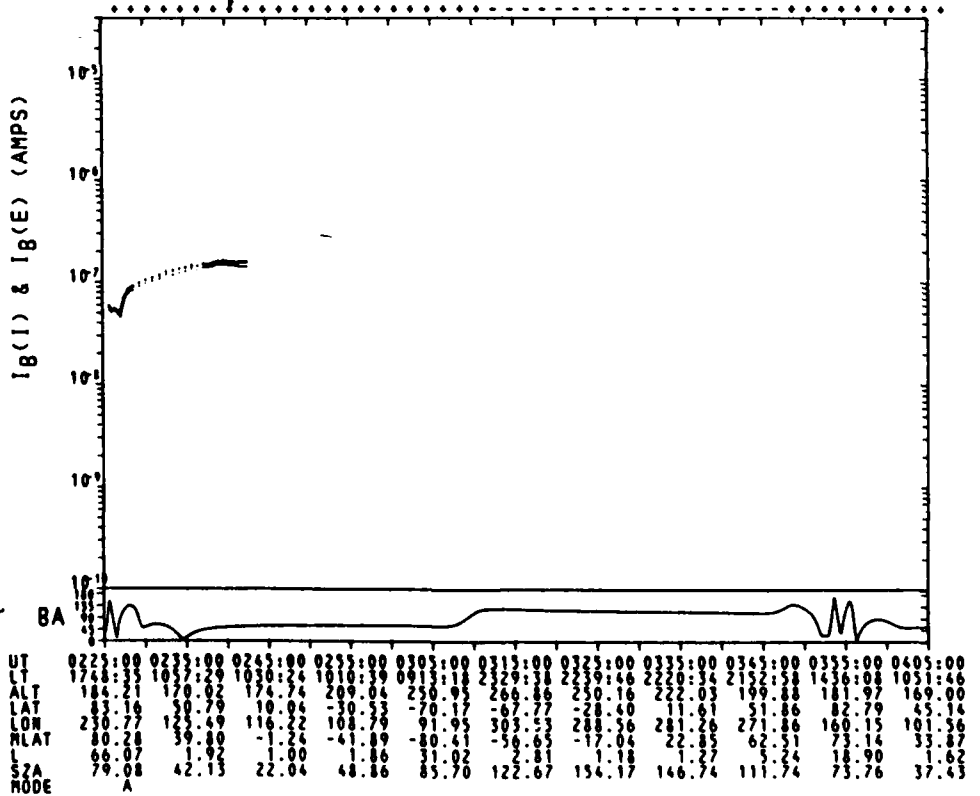
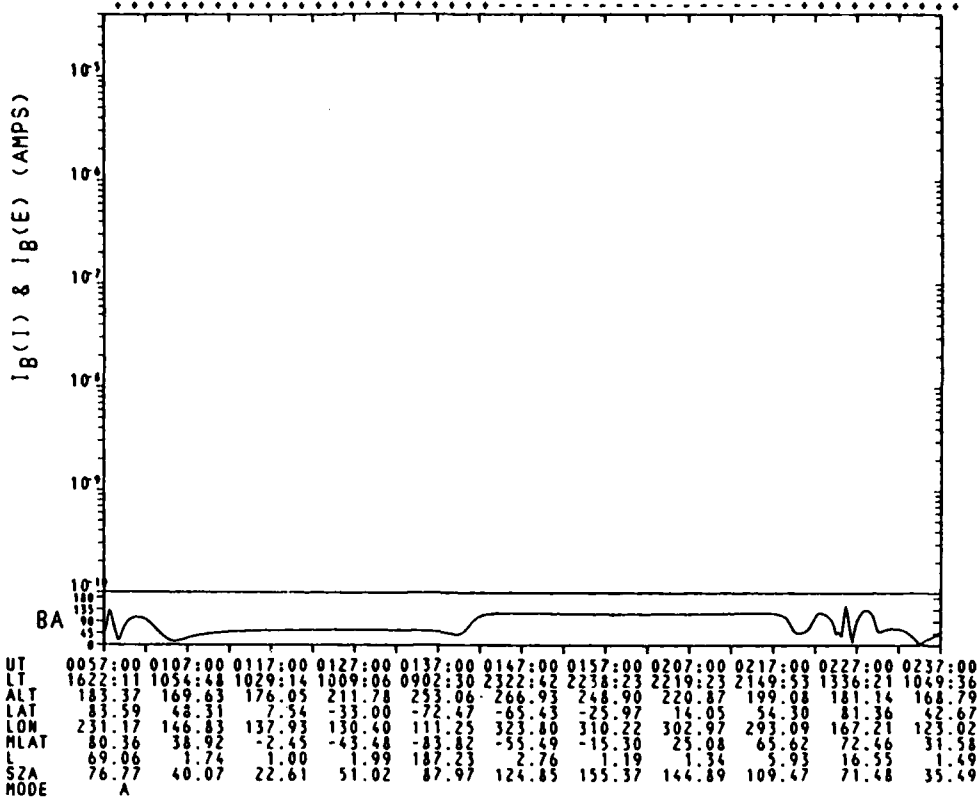


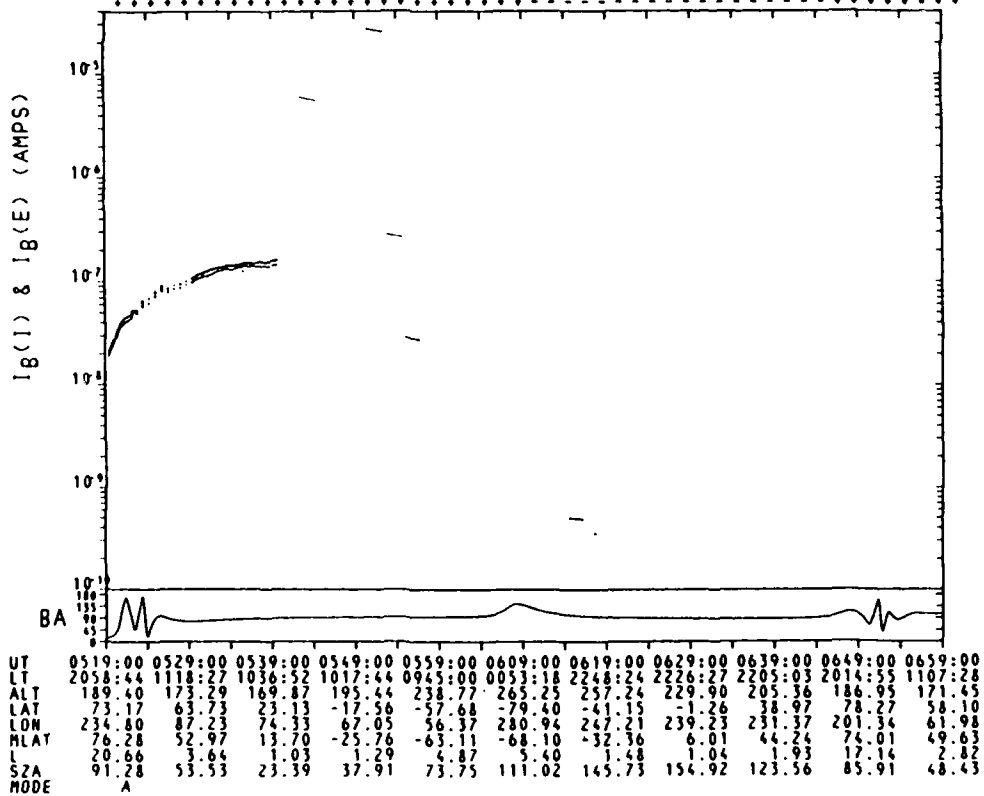
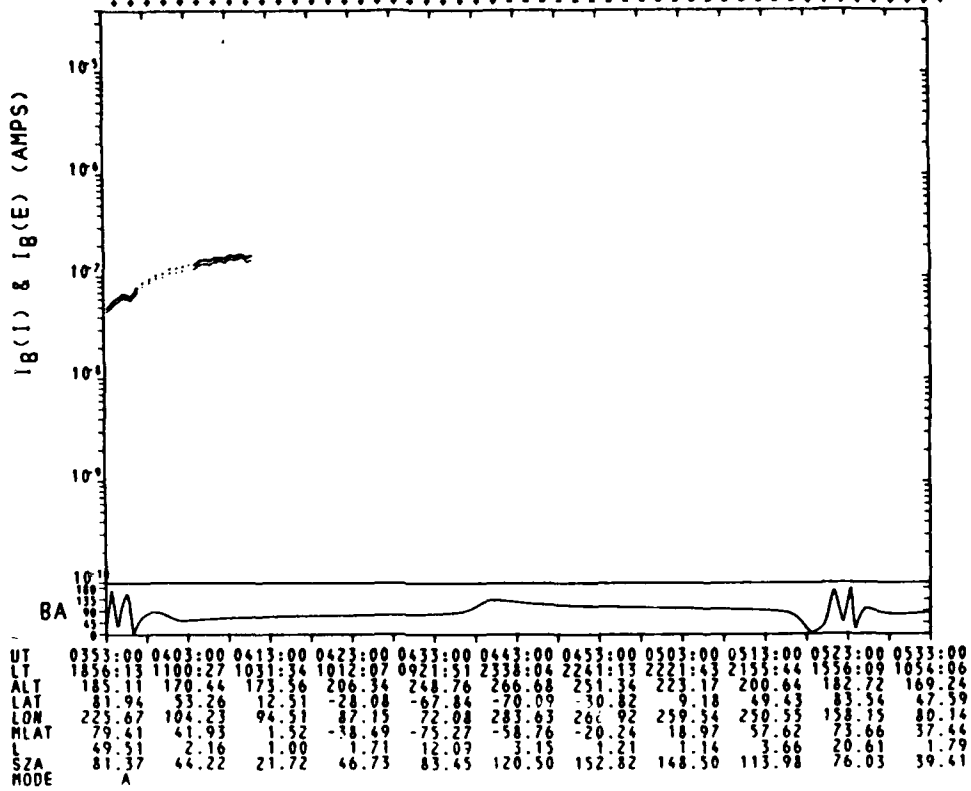
UT	2343:00	2353:00	0003:00	0013:00	0023:00	0033:00	0043:00	0053:00	0103:00	0113:00	0123:00
LT	2155:19	1552:22	1053:39	1028:31	1008:09	0856:20	2319:23	2237:22	2218:25	2147:30	1307:43
ALT	194.26	177.04	162.67	168.14	202.56	242.14	254.85	237.29	211.12	194.05	179.74
LAT	49.48	83.52	47.44	6.60	-34.01	-73.51	-64.23	-24.63	15.50	55.81	80.21
LONG	333.02	239.78	162.60	153.82	146.22	123.77	339.03	326.02	318.79	308.36	176.11
HLAT	56.92	81.32	39.97	-1.54	-42.77	-83.58	-55.84	-15.37	25.30	66.28	72.33
L	2.75	92.79	1.73	1.00	1.99	1154.31	2.92	1.25	1.21	5.38	15.21
SZA	114.30	76.36	39.72	22.91	51.64	88.67	123.58	155.69	143.98	108.38	70.56
MODE		C	D	D	D	D	E	E	E	E	B

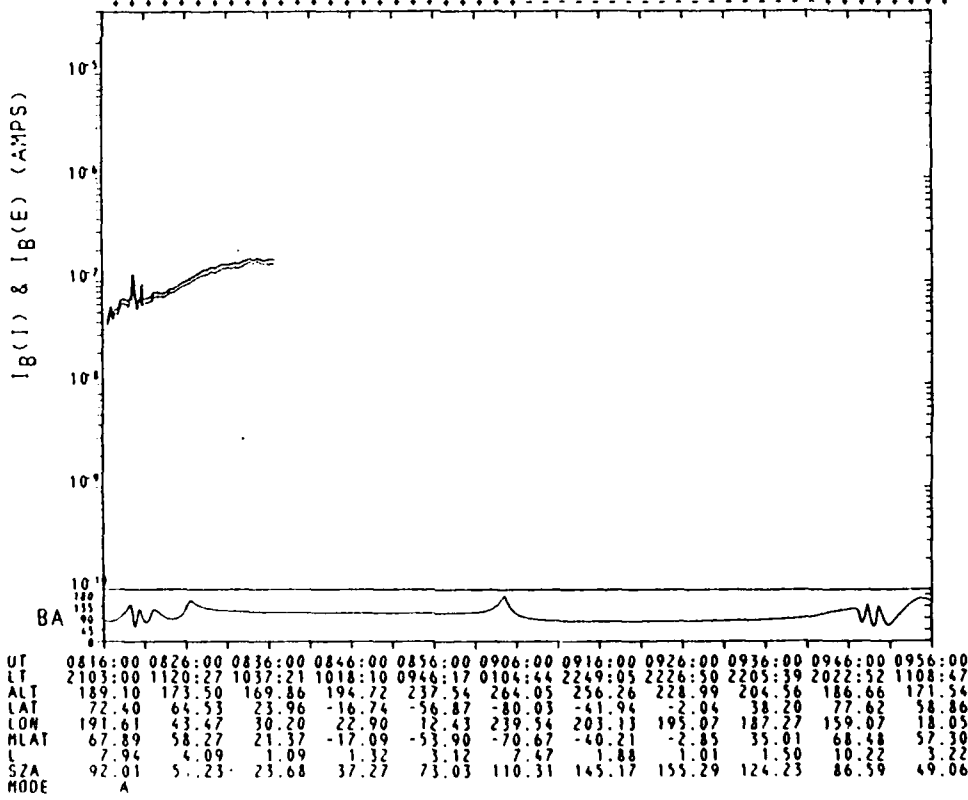
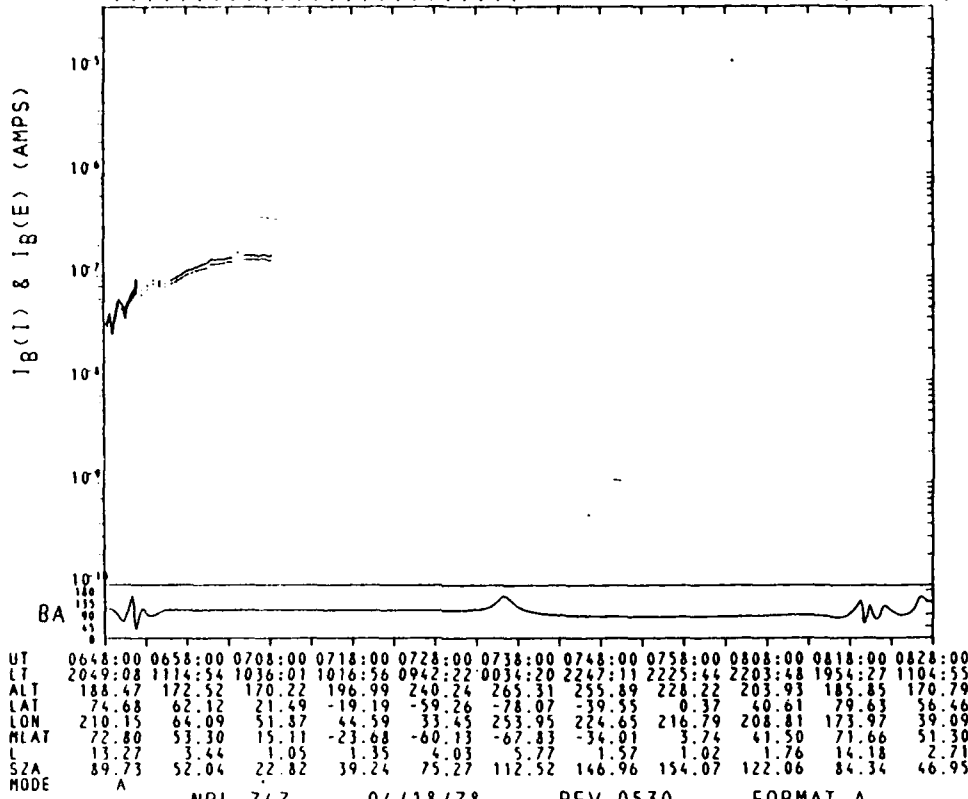


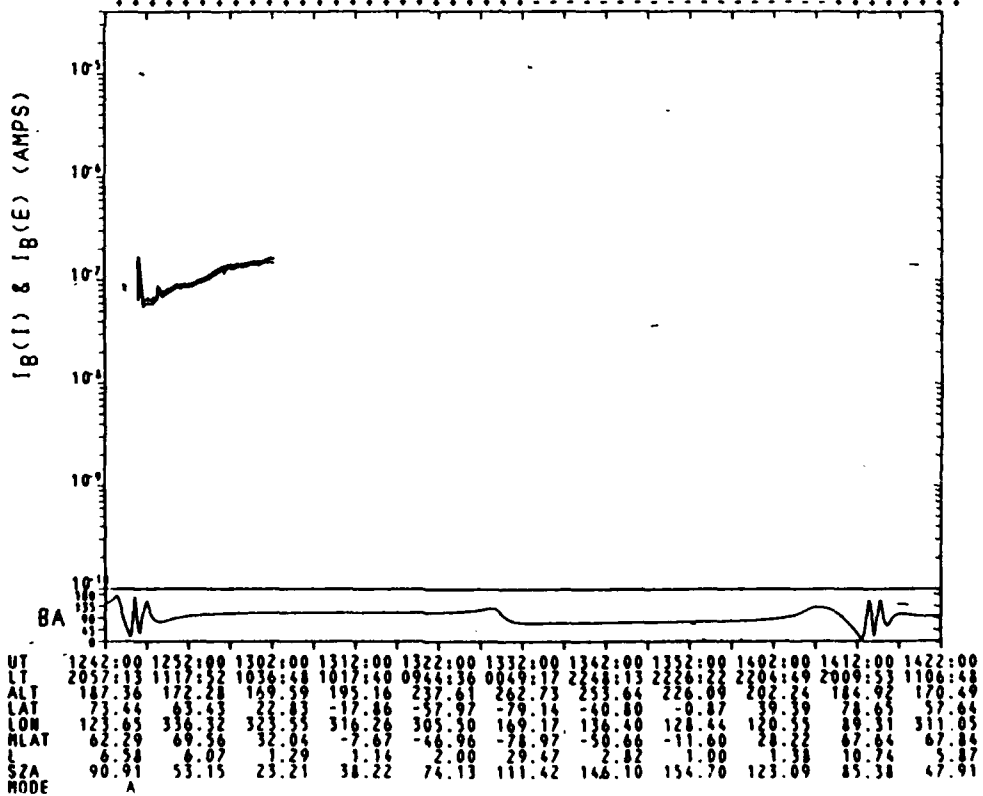
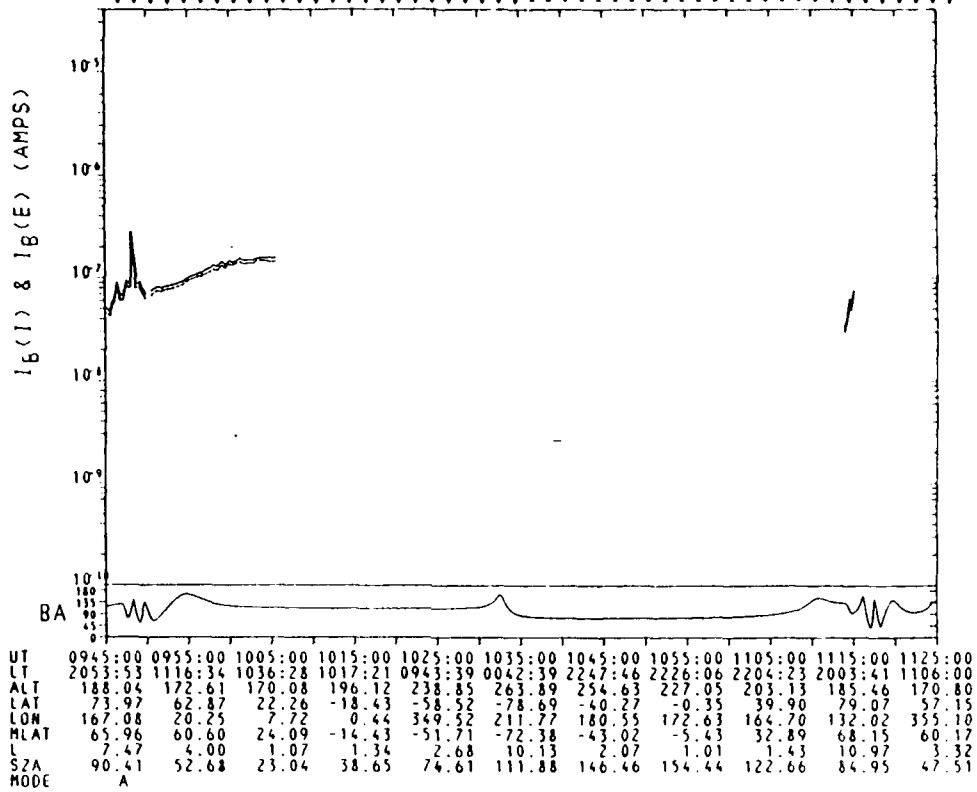
UT	2034:00	2044:00	2054:00	2104:00	2114:00	2124:00	2134:00	2144:00	2154:00	2204:00	2214:00
LT	1216:37	1044:40	1023:43	0959:36	0837:20	2300:35	2231:39	2212:48	2124:28	1137:31	1040:23
ALT	169.15	160.27	174.71	213.23	245.96	247.03	223.32	198.67	181.68	166.81	160.34
LAT	76.20	36.23	-4.61	-45.07	-62.38	-53.40	-13.32	26.77	66.99	69.95	29.30
LONG	235.04	210.53	202.31	193.87	180.72	24.03	-14.29	7.09	352.30	203.26	186.48
HLAT	73.38	37.53	-3.94	-45.03	-63.75	-52.81	-12.29	28.62	69.39	67.76	26.40
L	31.39	1.57	1.01	2.22	43.66	1.10	1.14	6.54	7.39	7.39	1.26
SZA	65.66	30.80	28.37	61.89	99.26	135.56	158.29	134.48	97.46	59.47	26.50
MODE		A									

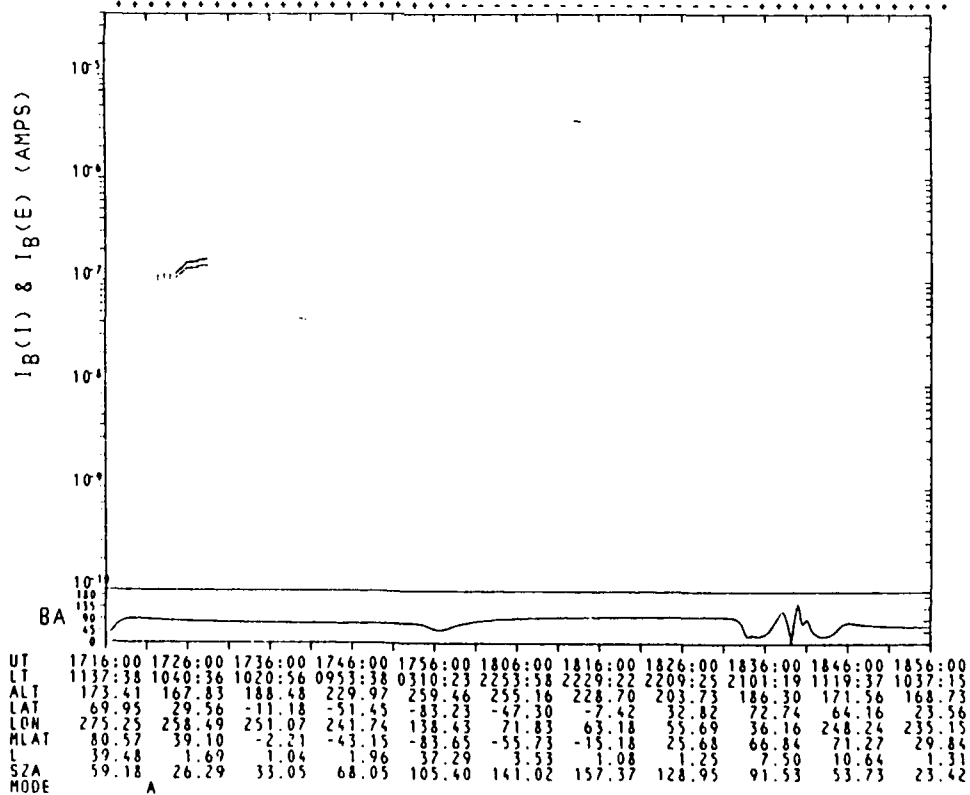
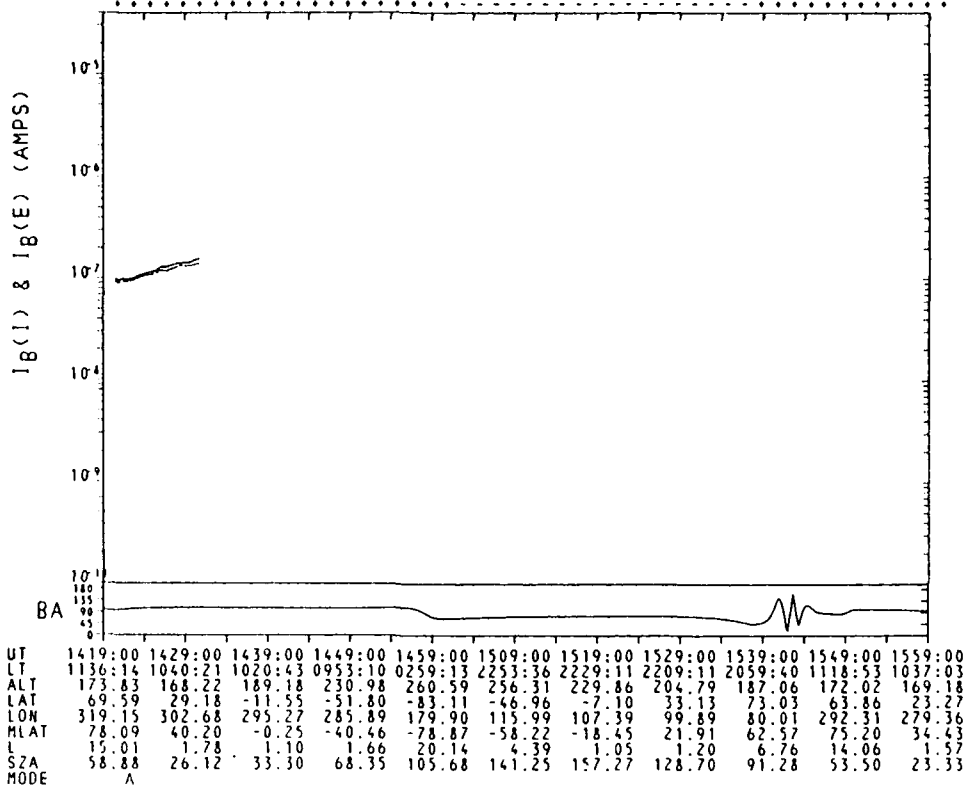


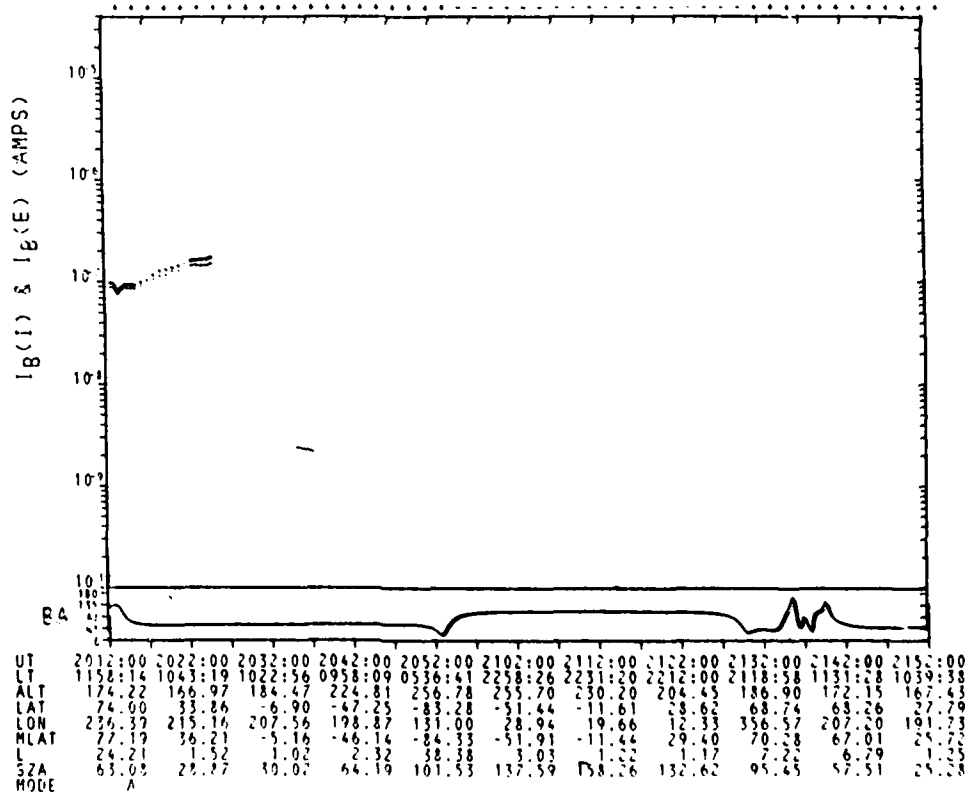
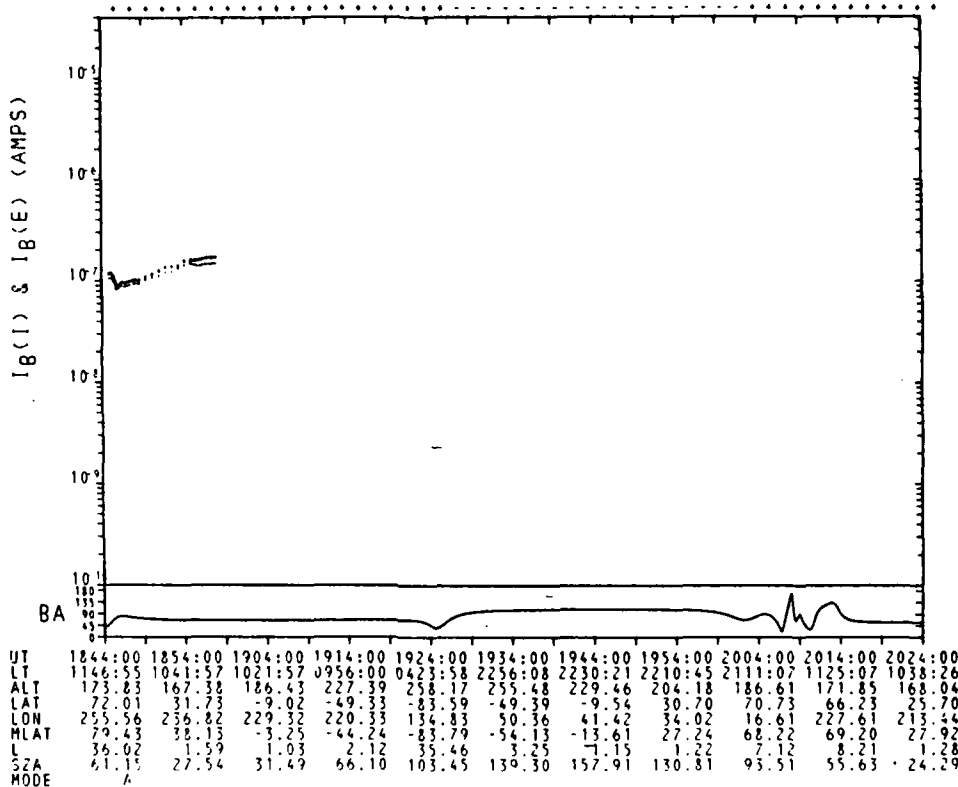


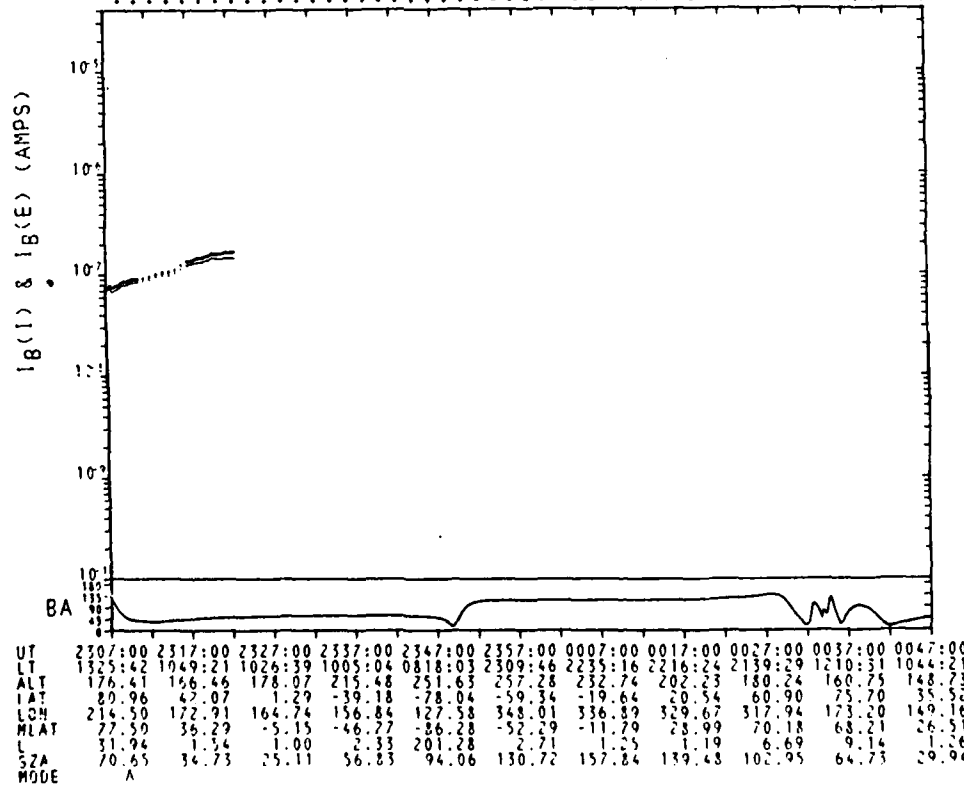
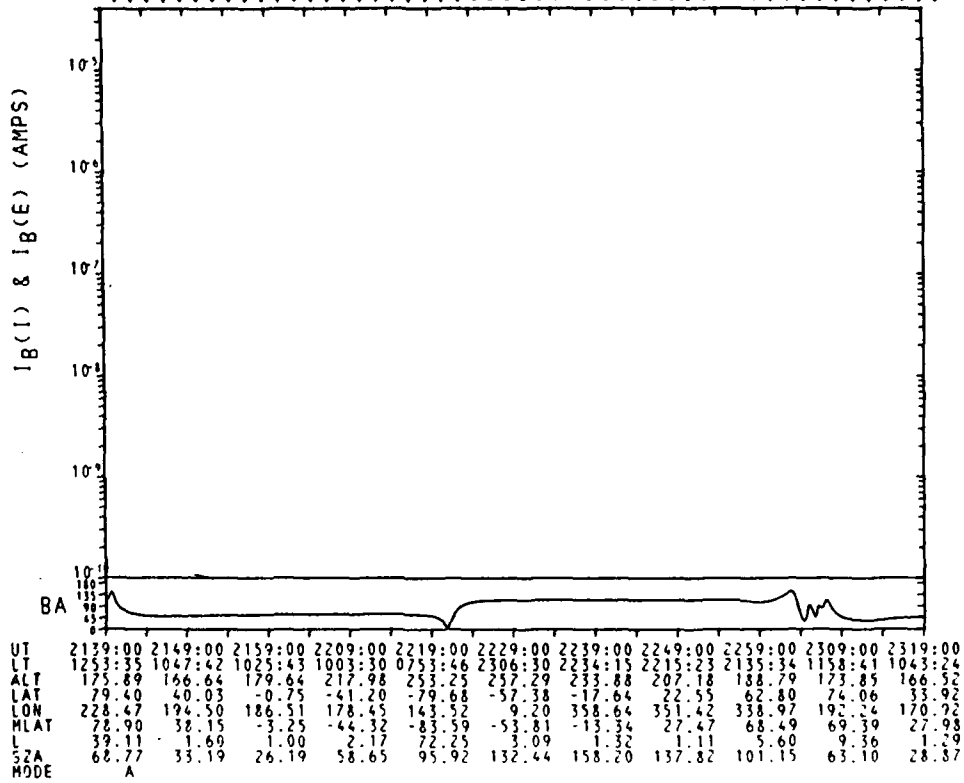


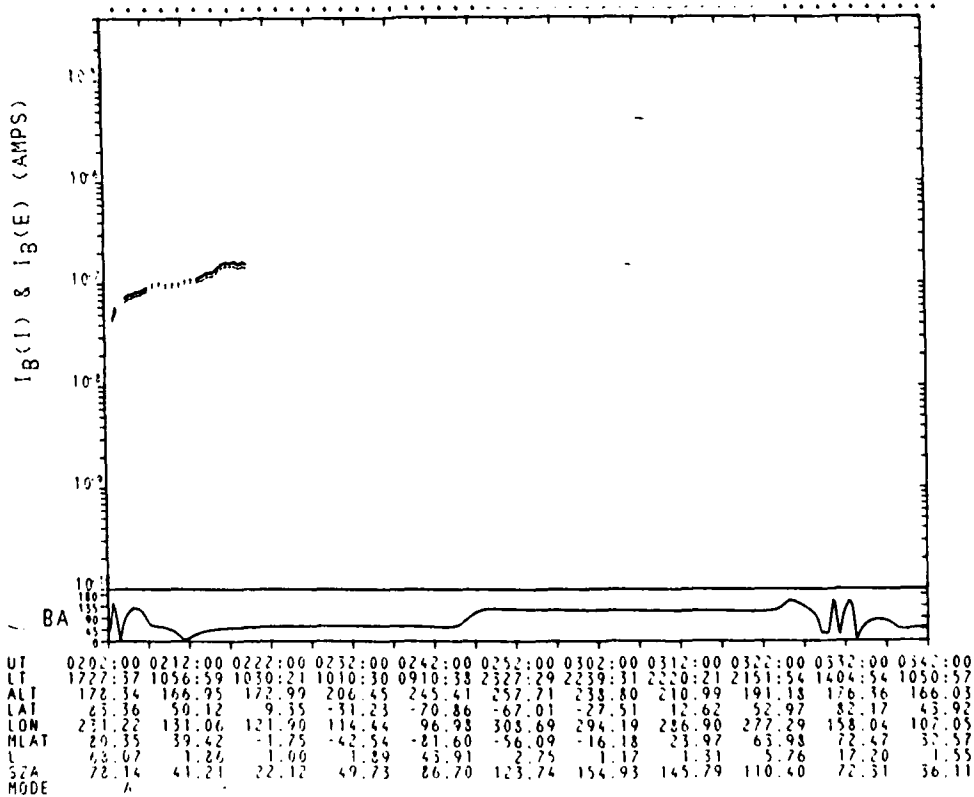
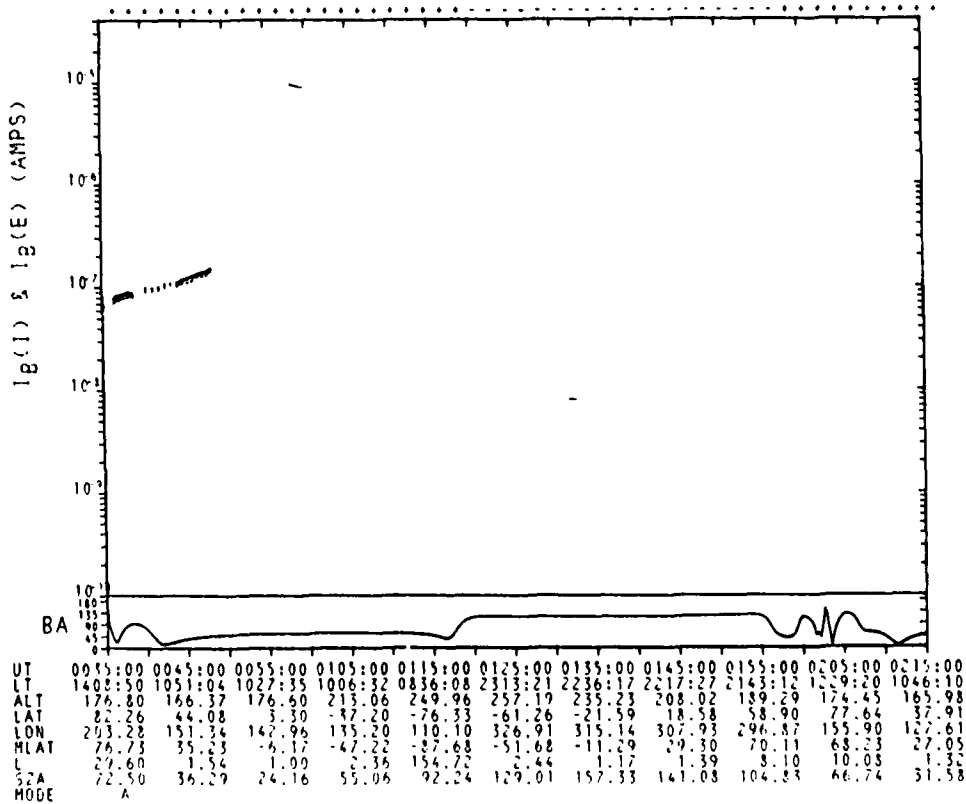


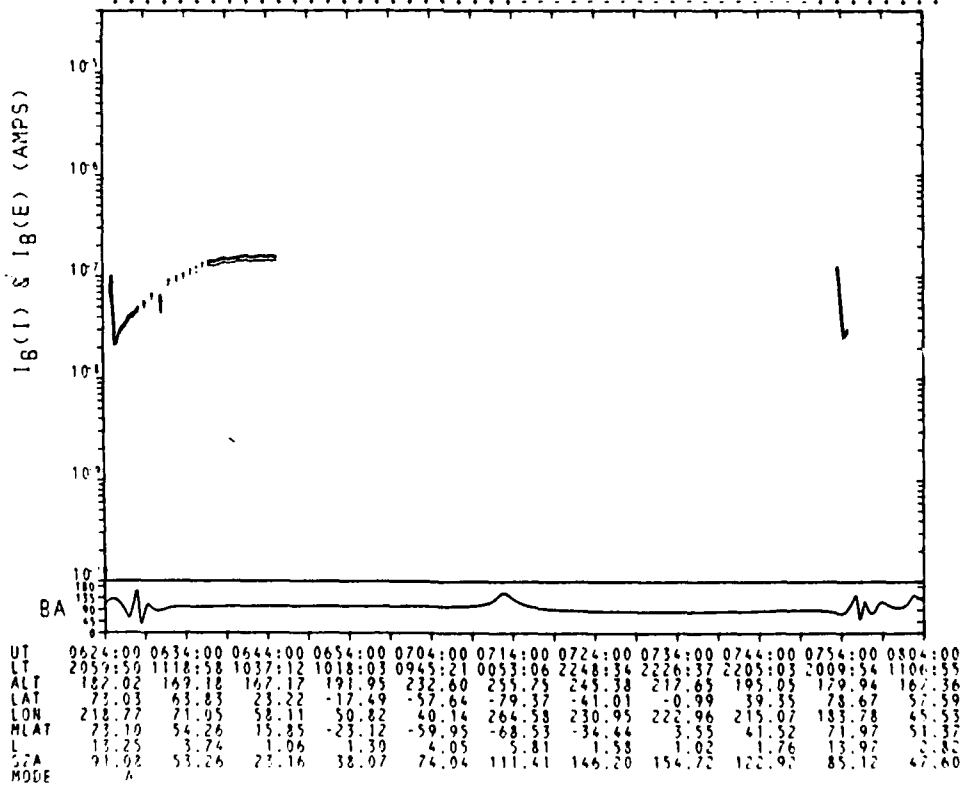
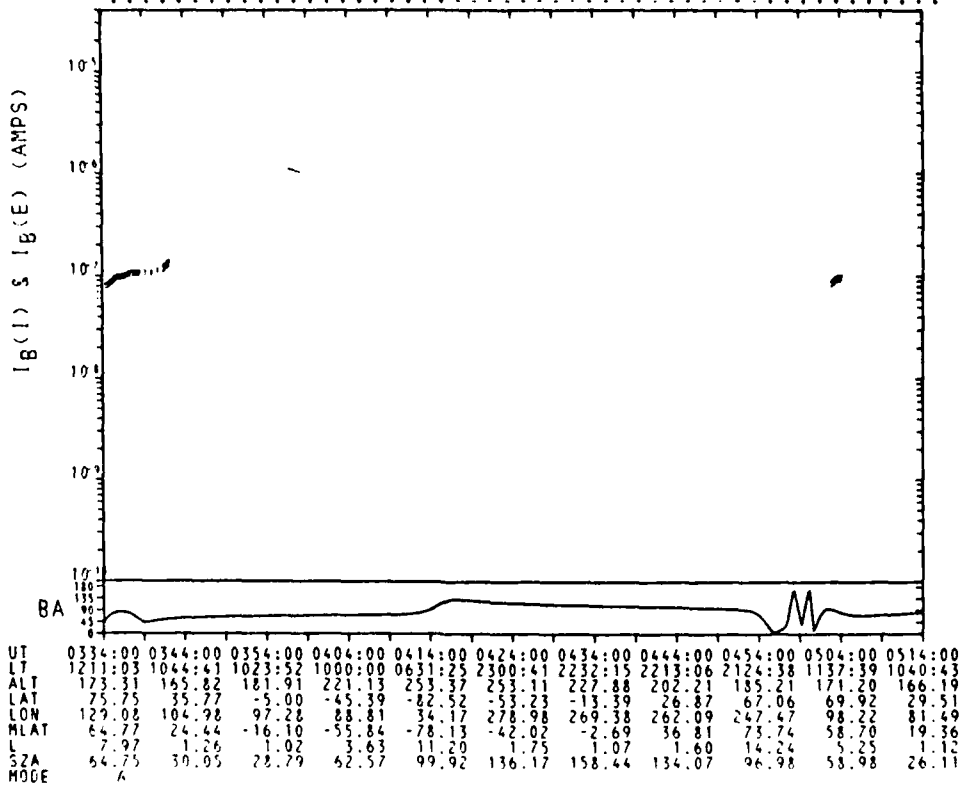


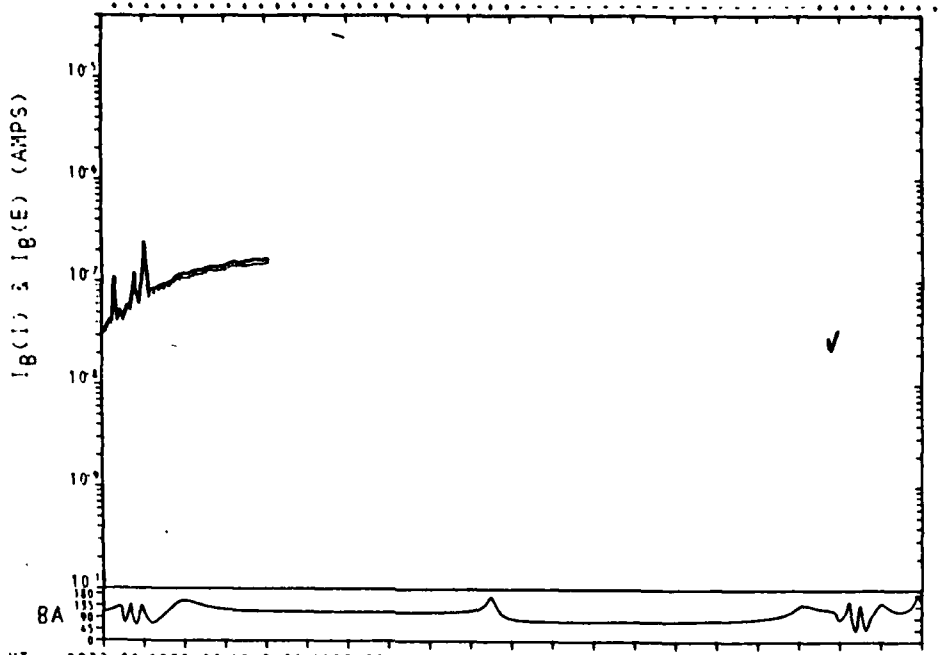




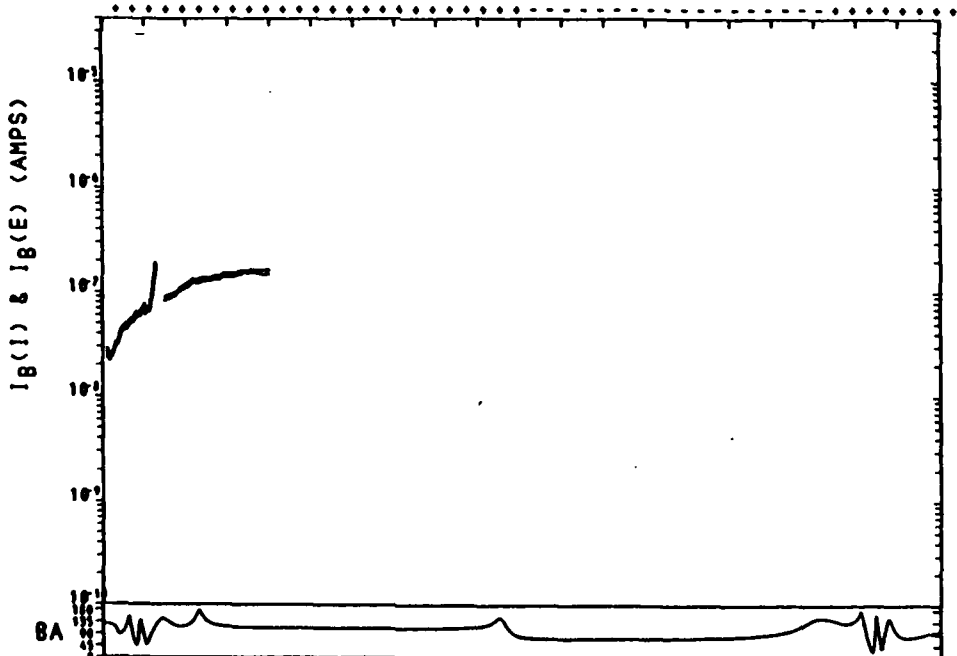




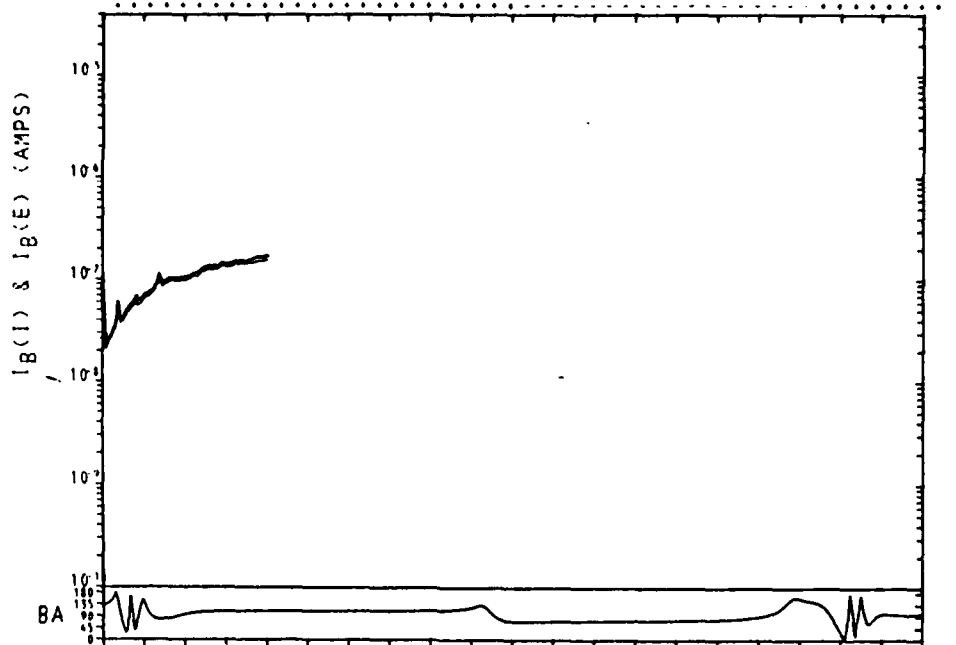




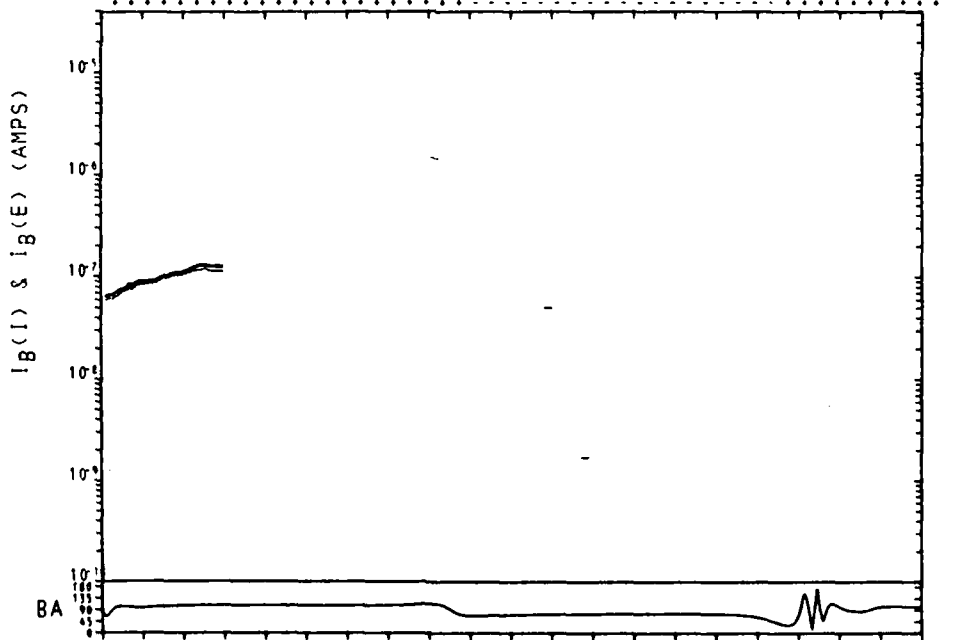
UT	0922:00	0932:00	0942:00	0952:00	1002:00	1012:00	1022:00	1032:00	1042:00	1052:00	1102:00
LT	2049:32	1115:11	1036:19	1017:14	0942:37	0034:07	2247:23	2225:56	2203:51	1949:21	1104:38
ALT	183.36	170.23	169.64	196.12	237.21	259.31	247.45	219.10	196.23	180.92	168.67
LAT	74.66	62.11	21.48	-19.20	-59.27	-78.03	-39.42	0.59	40.91	79.93	56.06
LON	171.68	25.60	13.38	6.11	354.95	215.33	186.14	178.28	170.26	134.13	0.45
MLAT	67.11	58.93	22.22	-16.24	-53.24	-71.41	-41.10	-3.49	54.73	69.07	53.10
L	9.19	3.74	1.06	1.37	3.87	9.19	1.93	1.01	1.49	12.04	3.03
SZA	89.38	51.64	22.56	39.49	75.63	112.95	147.43	153.86	121.46	85.61	46.20
MODE	A										



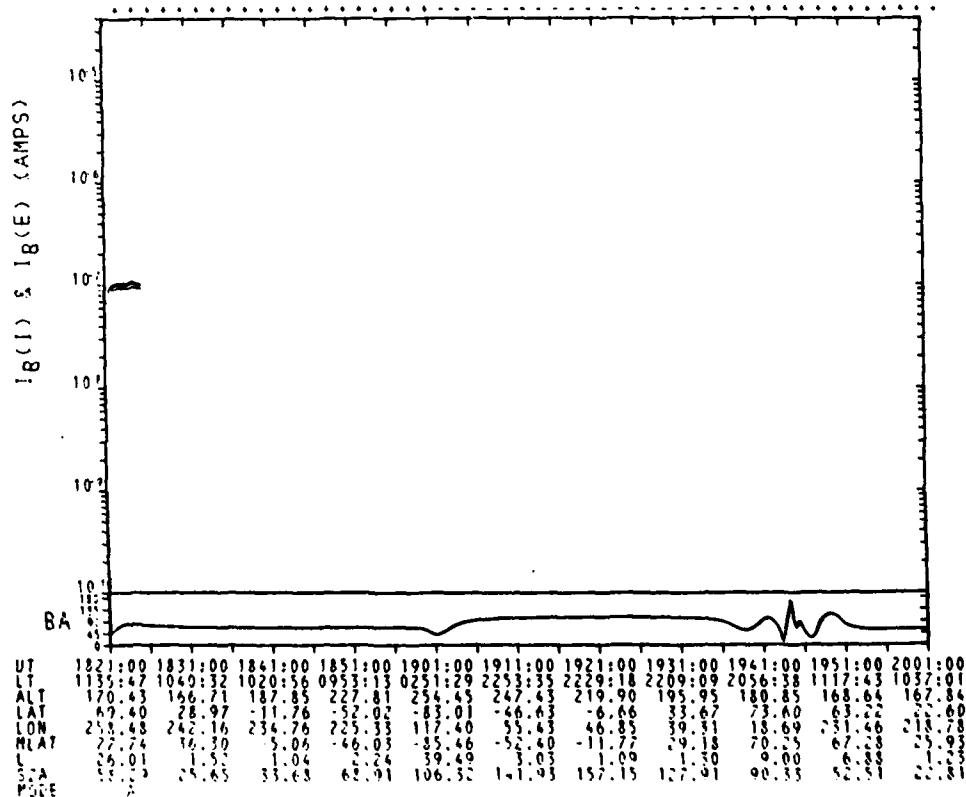
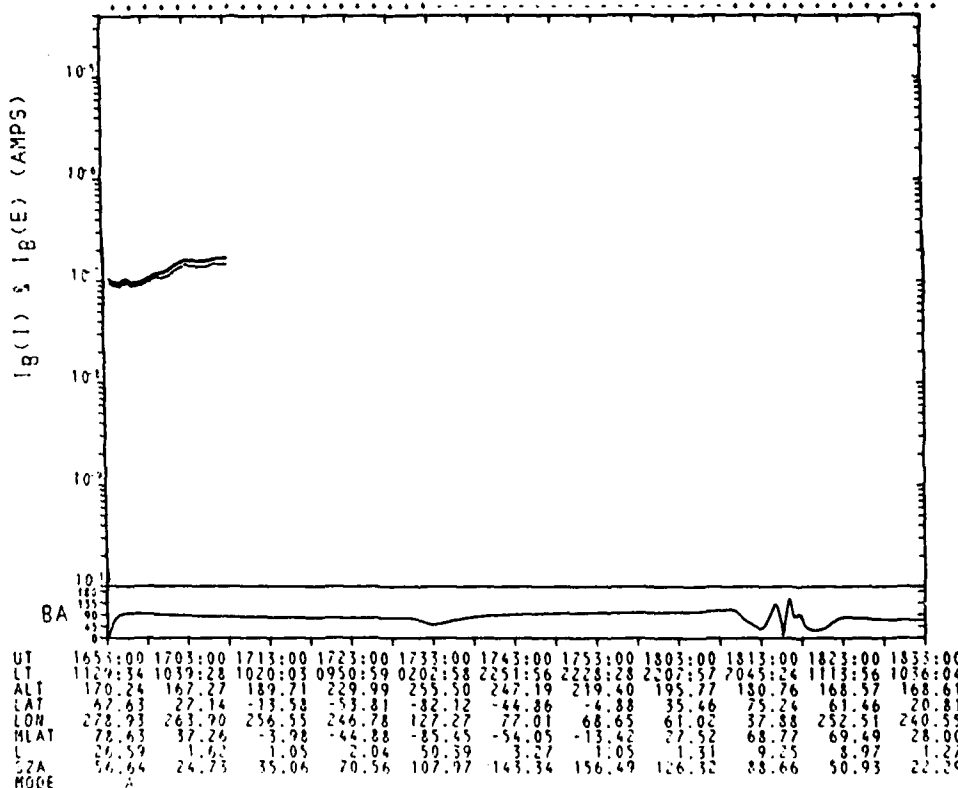
UT	1050:00	1100:00	1110:00	1120:00	1130:00	1140:00	1150:00	1200:00	1210:00	1220:00	1230:00
LT	2101:11	1119:41	1037:24	1018:14	0945:32	0057:54	2248:55	2226:50	2203:23	2014:39	1107:40
ALT	183.47	170.53	168.86	193.94	234.94	258.40	247.94	219.81	196.67	181.28	168.87
LAT	74.79	64.09	23.50	-17.19	-57.94	-79.64	-41.37	-1.38	38.94	78.31	58.02
LON	152.49	64.72	351.05	344.36	333.76	199.27	164.53	156.50	148.64	118.46	339.21
MLAT	63.38	64.84	28.36	-10.47	-48.33	-74.69	-47.10	-0.67	29.84	67.03	64.01
L	6.37	4.71	1.12	1.23	7.29	13.39	2.64	1.82	1.36	10.09	4.03
SZA	91.26	53.43	23.22	37.87	73.80	111.15	145.98	154.90	123.24	85.46	47.92
MODE	A										

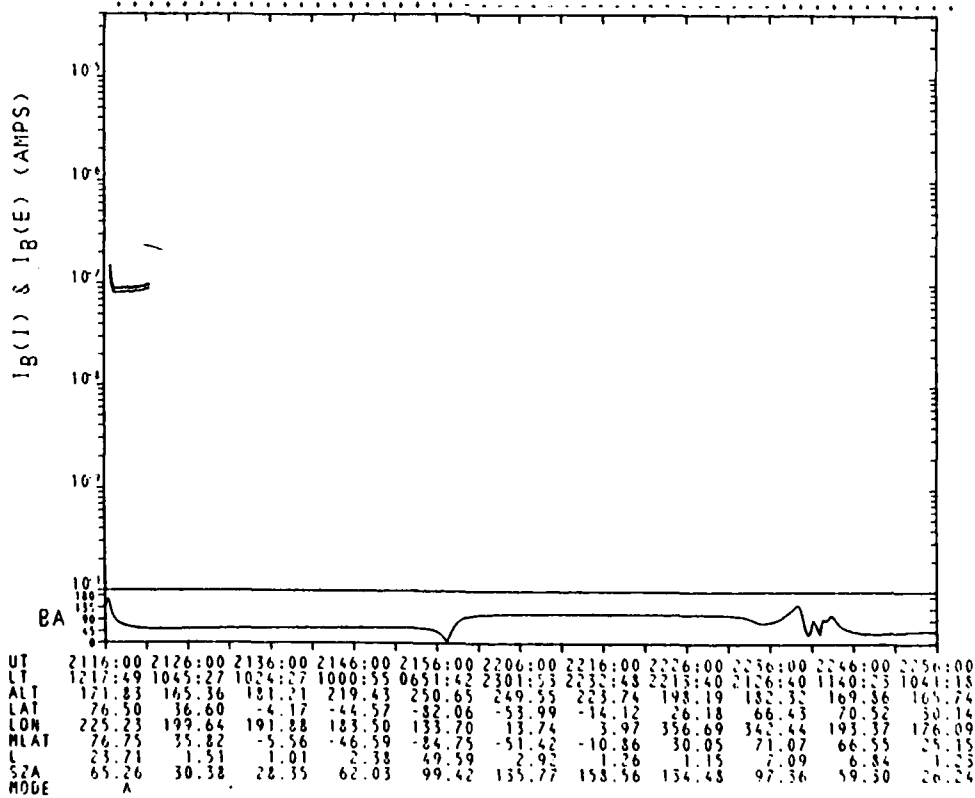
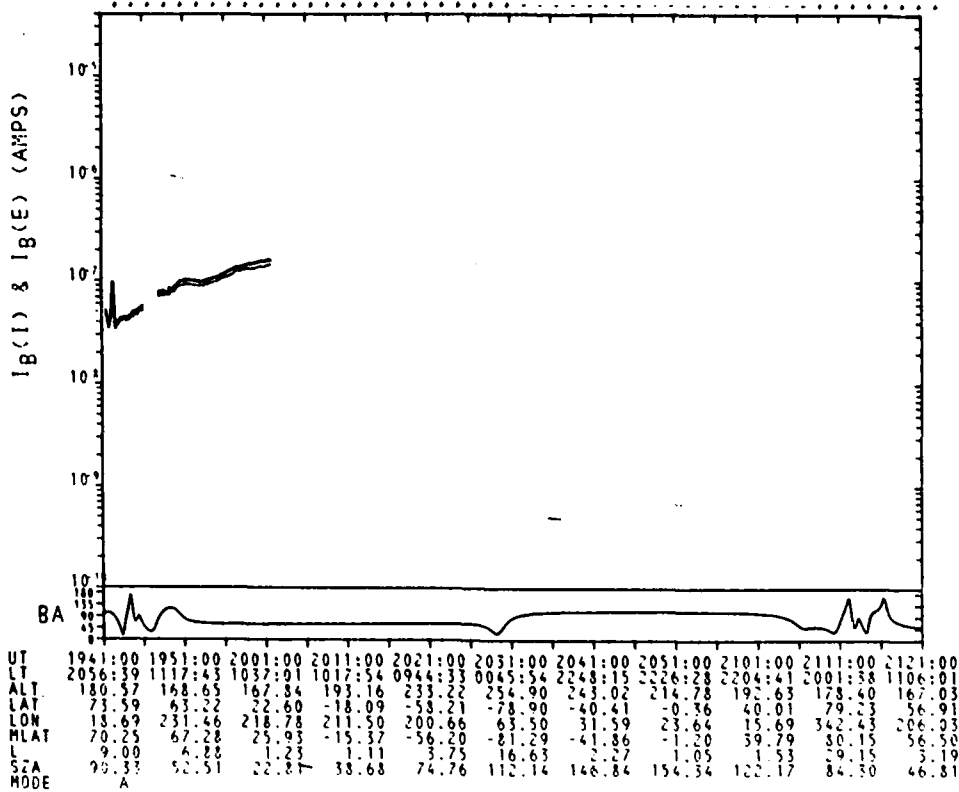


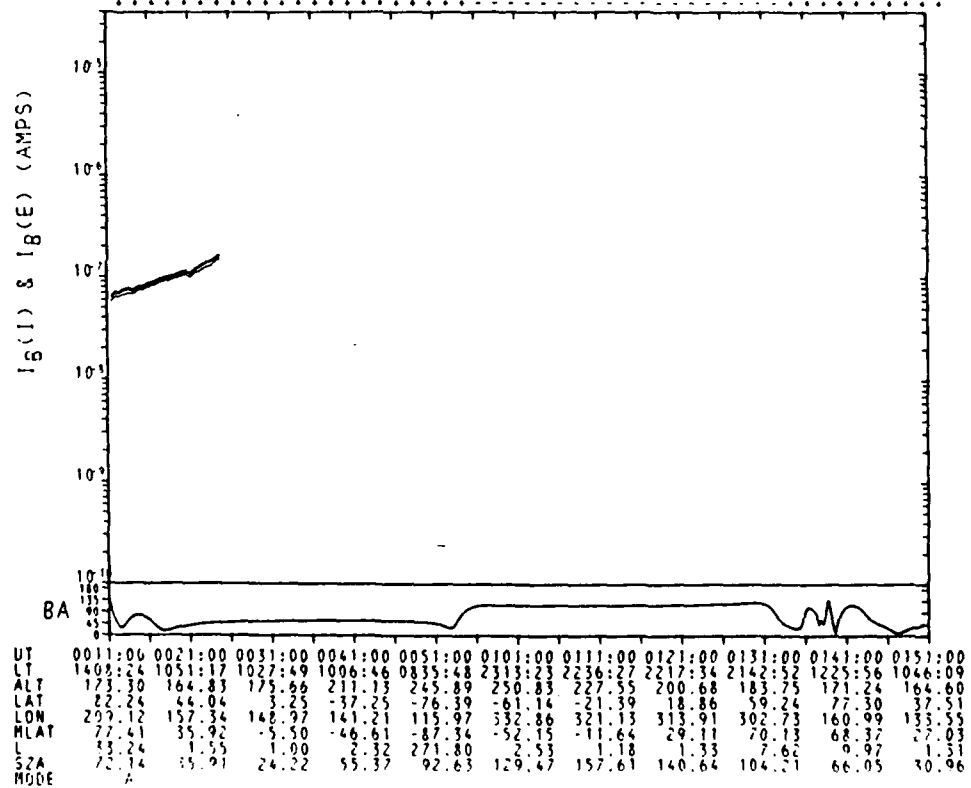
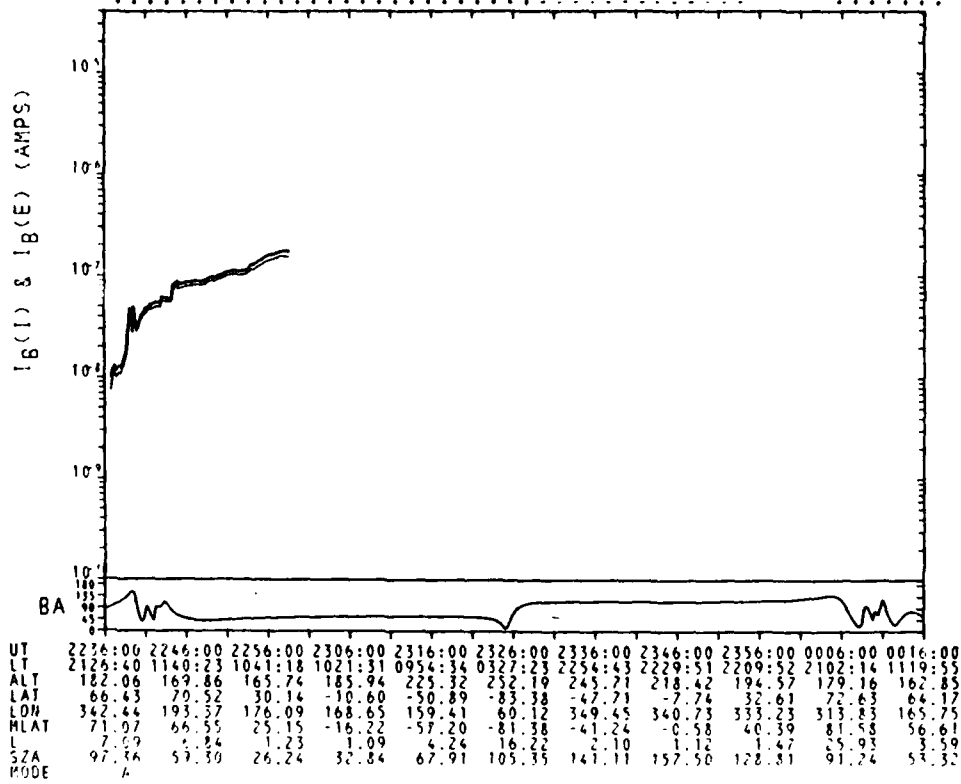
UT	1219:00	1229:00	1239:00	1249:00	1259:00	1309:00	1319:00	1329:00	1339:00	1349:00	1359:00
LT	2049:08	1115:05	1036:19	1017:13	0942:31	0033:12	2247:20	2225:55	2203:47	1947:16	1104:26
ALT	127.44	149.66	169.25	195.66	236.45	258.13	245.98	217.62	195.20	180.09	168.17
LAT	74.72	67.04	21.40	-19.27	-59.36	-77.95	-39.32	0.71	41.05	80.04	55.91
LOW	127.33	341.33	329.12	321.85	310.67	170.84	141.88	134.02	125.99	89.36	316.15
MLAT	63.68	67.35	29.92	-9.60	-48.59	-78.08	-48.56	-9.61	50.10	69.00	65.58
L	7.22	5.12	1.20	1.16	2.11	27.88	5.56	1.00	1.43	17.31	4.81
SZA	89.28	51.53	27.51	39.59	75.75	113.08	147.55	155.78	171.50	85.44	46.05
MODE	A										

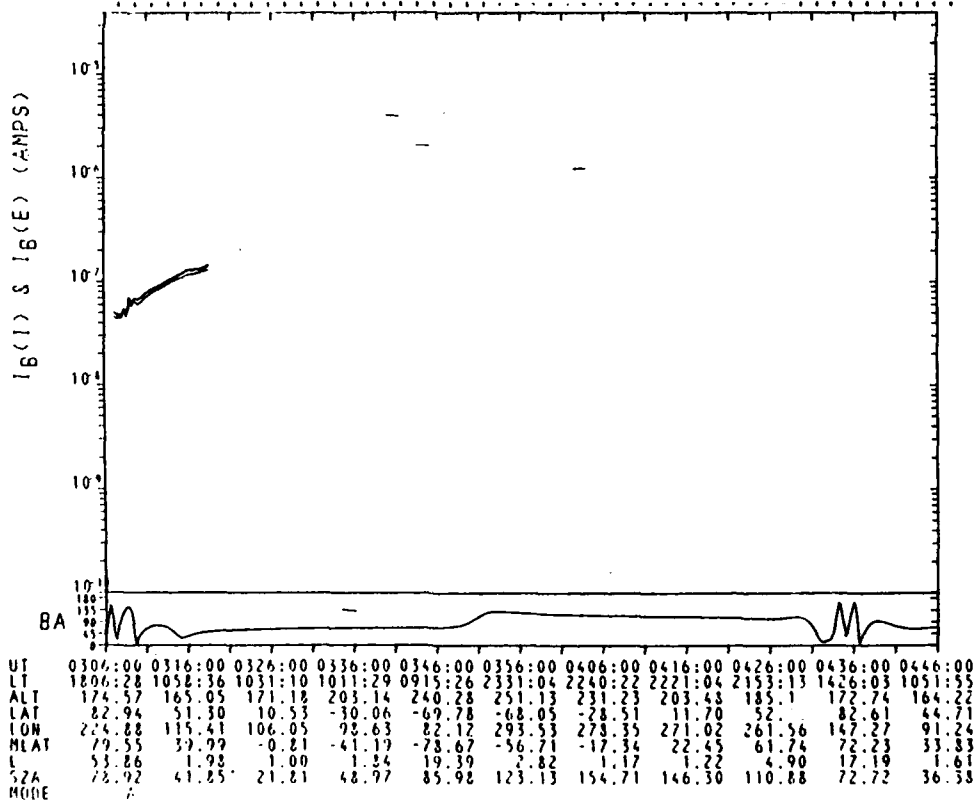
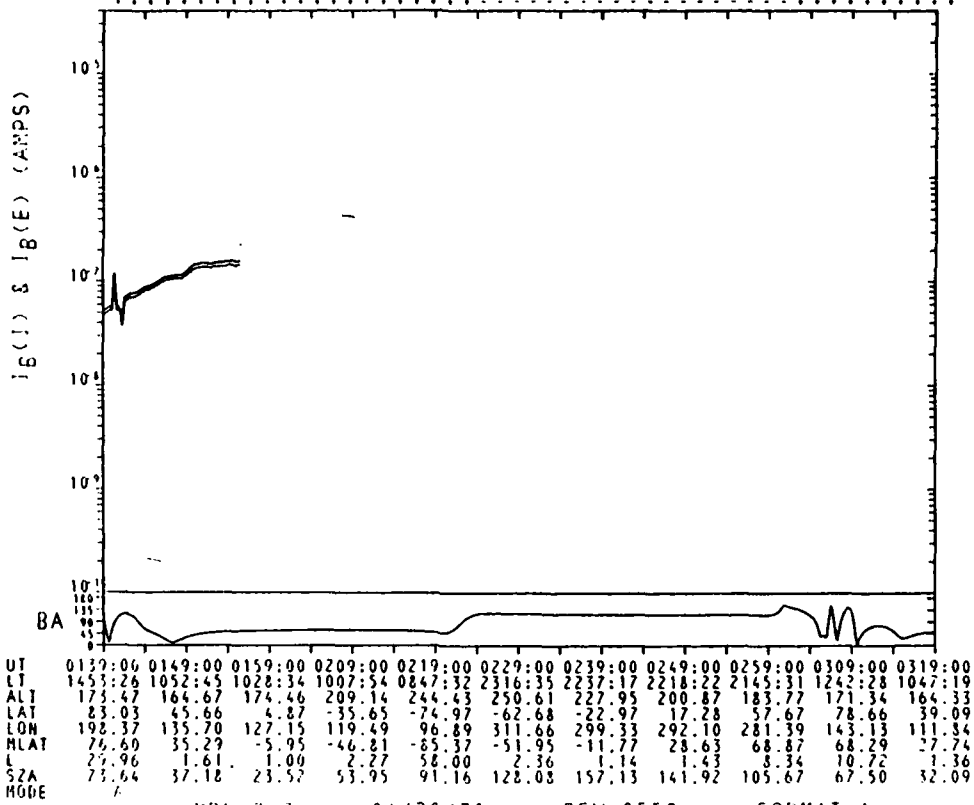


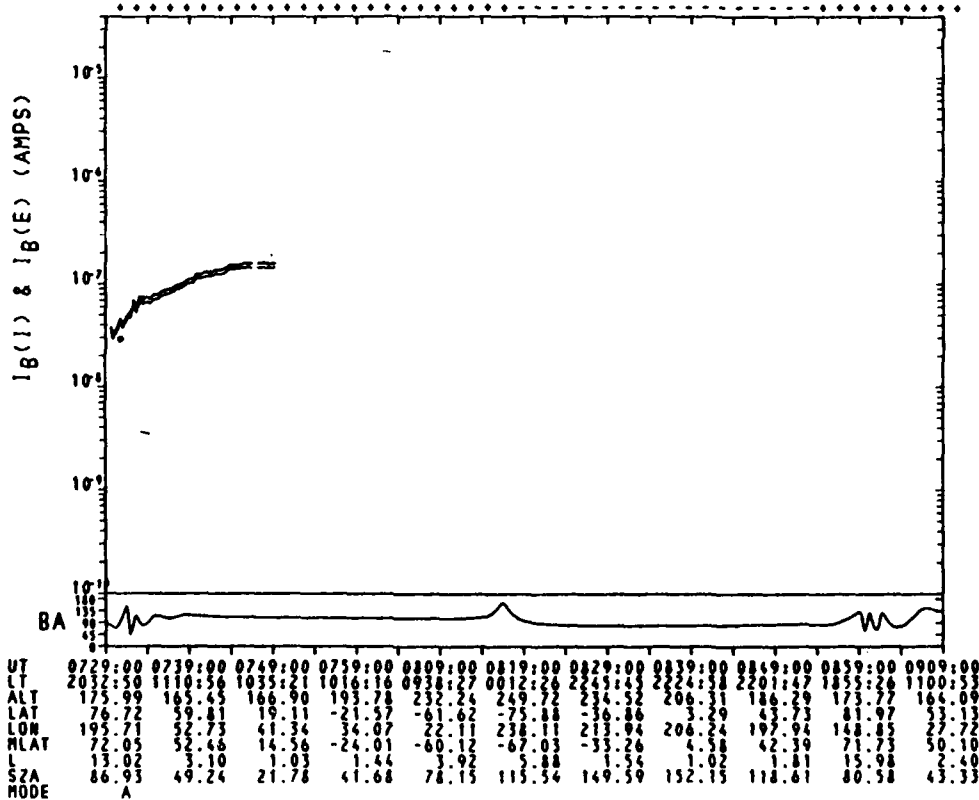
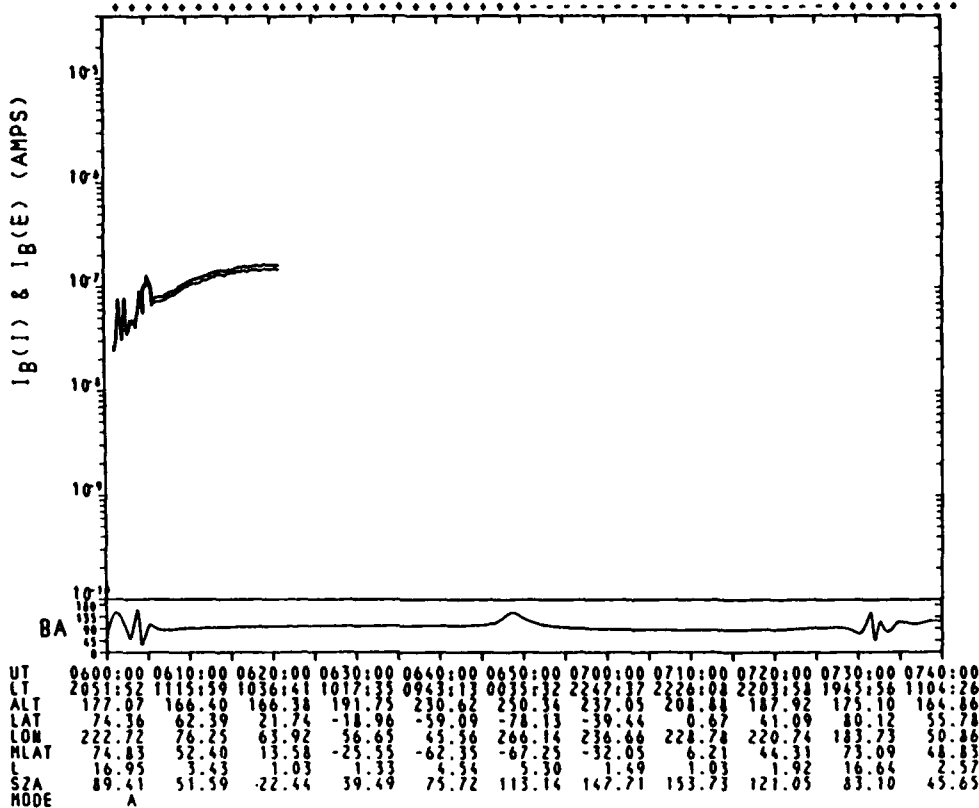
UT	1352:00	1402:00	1412:00	1422:00	1432:00	1442:00	1452:00	1502:00	1512:00	1522:00	1532:00
LT	1409:40	1050:54	1027:34	1006:27	0833:44	2312:53	2236:15	2217:24	2142:41	1225:34	1046:01
ALT	175.74	146.59	177.56	213.98	249.86	255.69	232.79	205.46	187.44	173.73	166.34
LAT	82.06	43.74	2.96	-37.52	-76.60	-60.95	-21.25	18.95	59.28	77.28	37.50
LOW	1.96	312.07	303.68	295.90	270.22	127.51	-115.85	108.64	97.46	315.68	288.29
MLAT	78.28	54.01	13.96	-26.23	-65.59	-71.43	-32.53	7.59	48.11	84.40	48.86
L	28.81	2.56	1.17	1.29	4.71	17.79	1.37	1.00	2.86	51.48	7.48
SZA	72.00	35.87	24.34	55.50	92.72	129.49	157.56	140.66	104.29	66.17	31.10
MODE	A										

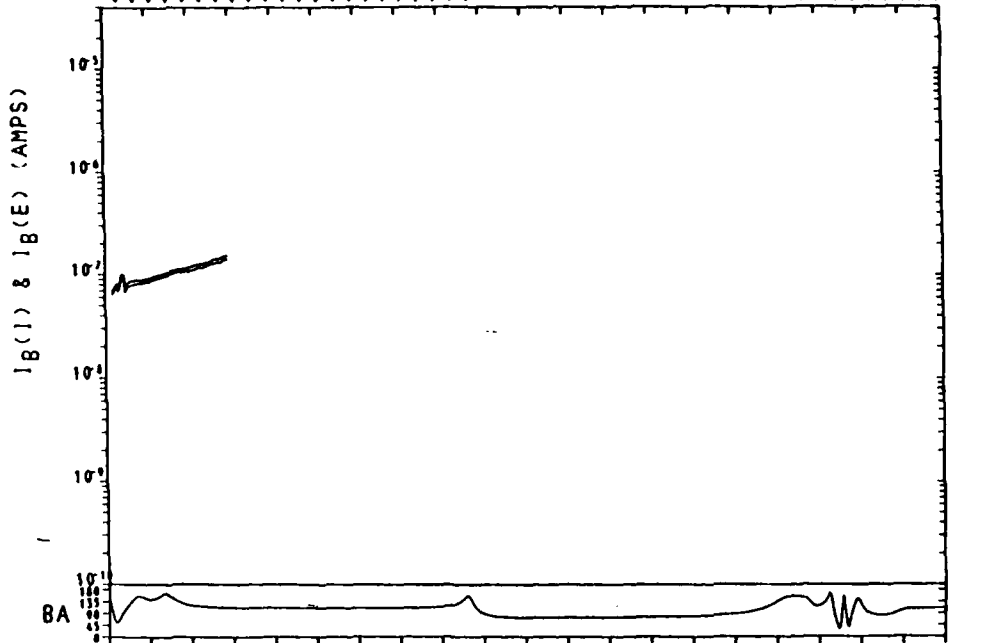




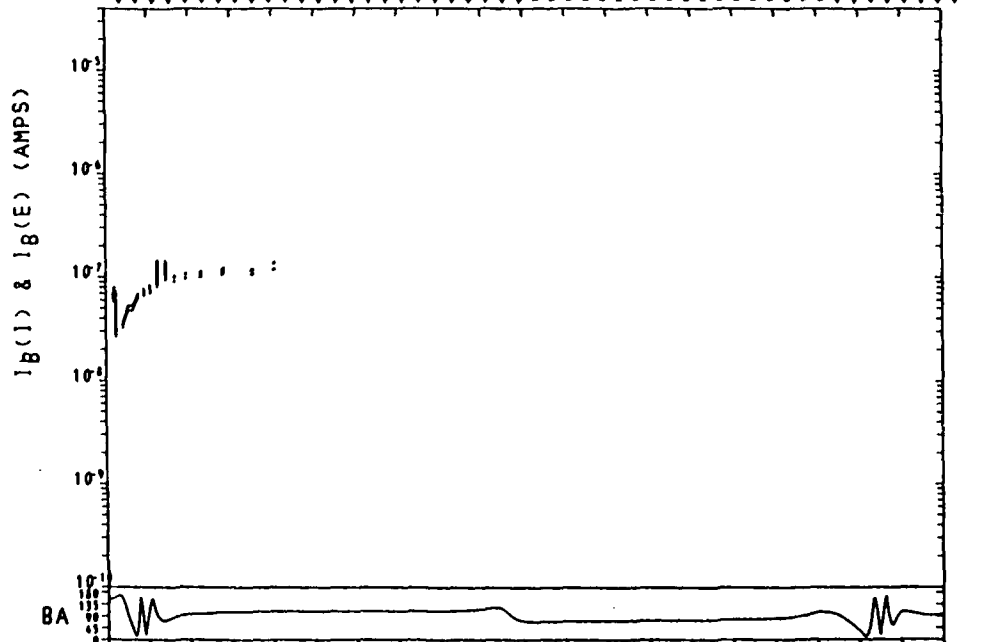




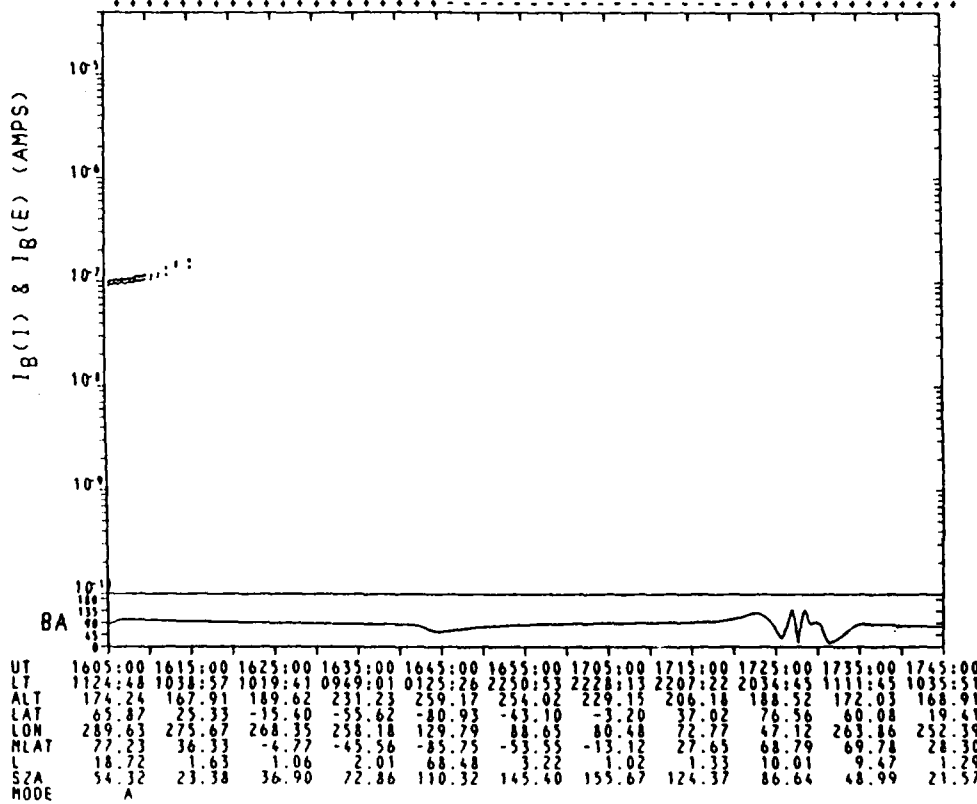
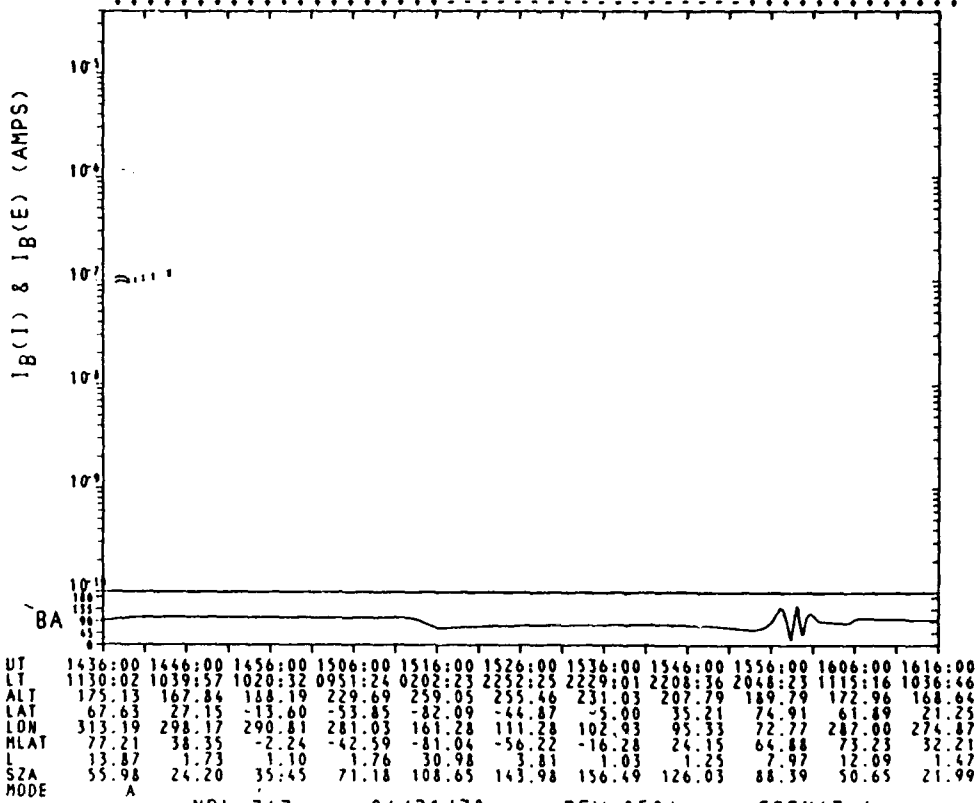


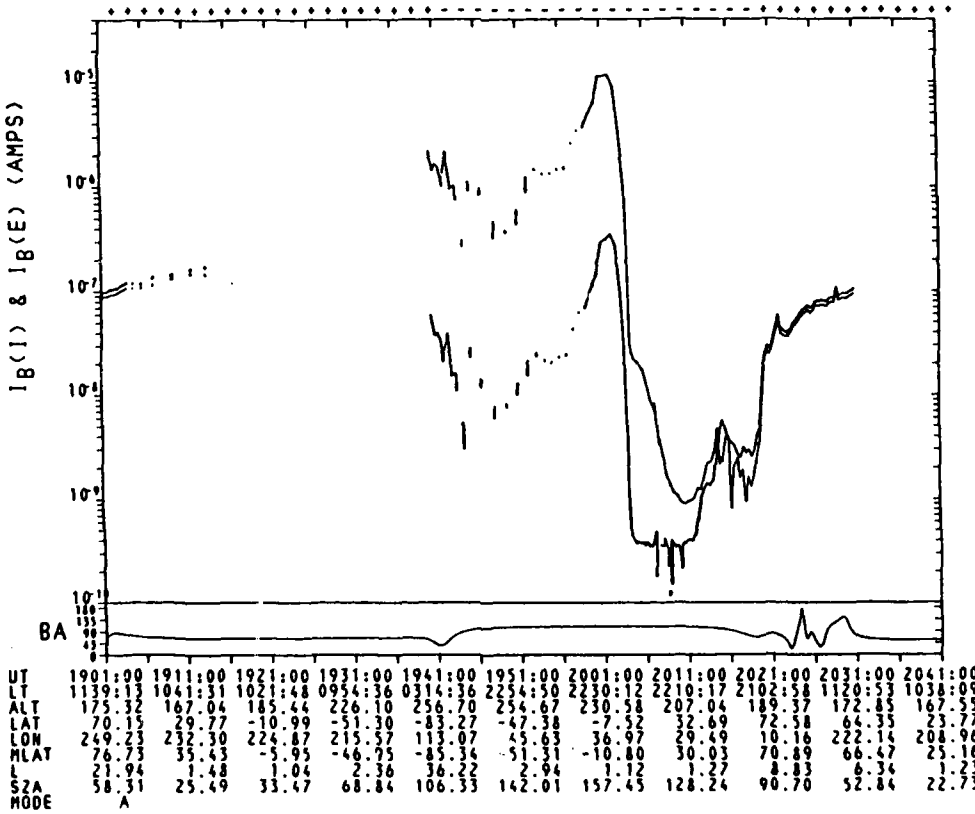
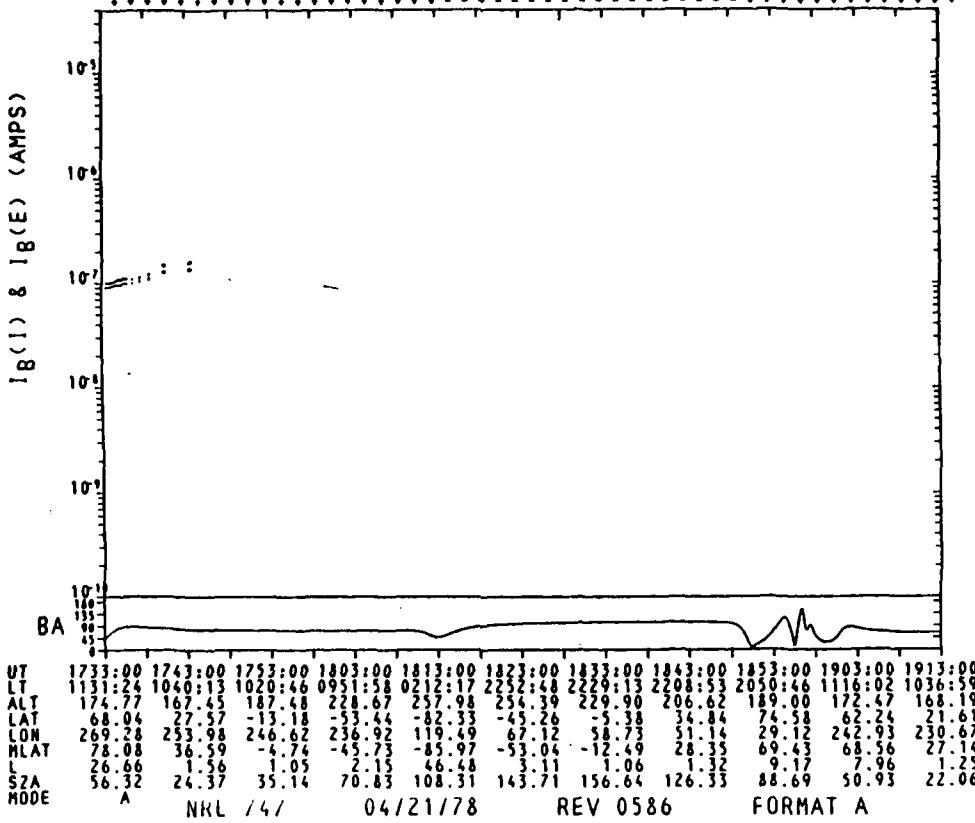


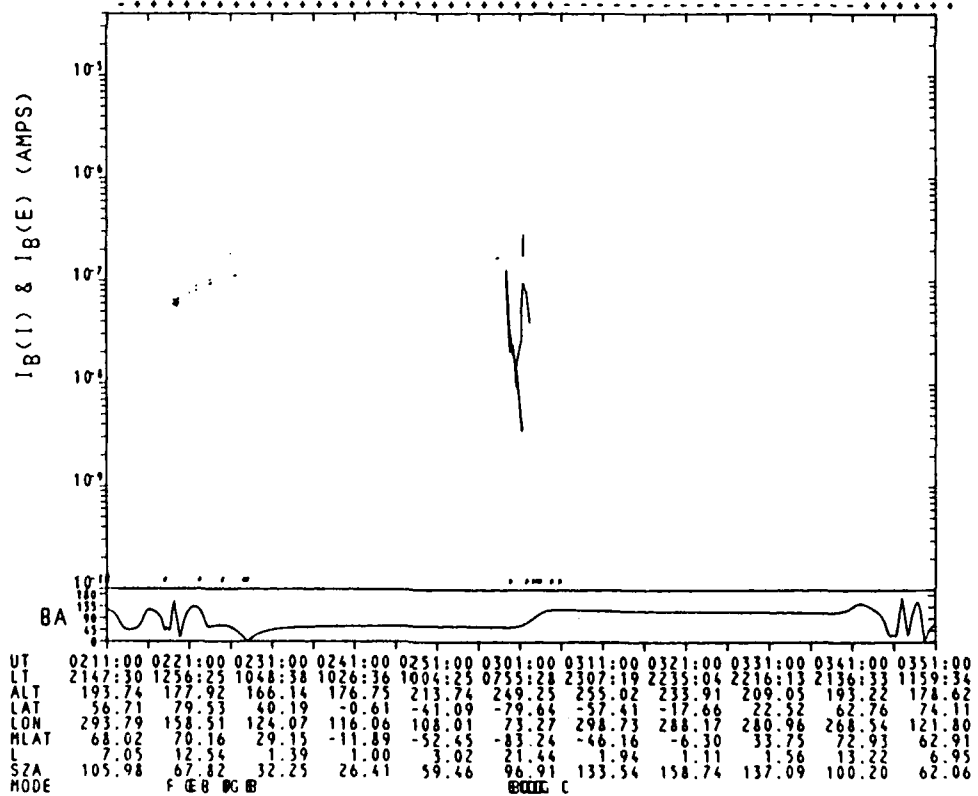
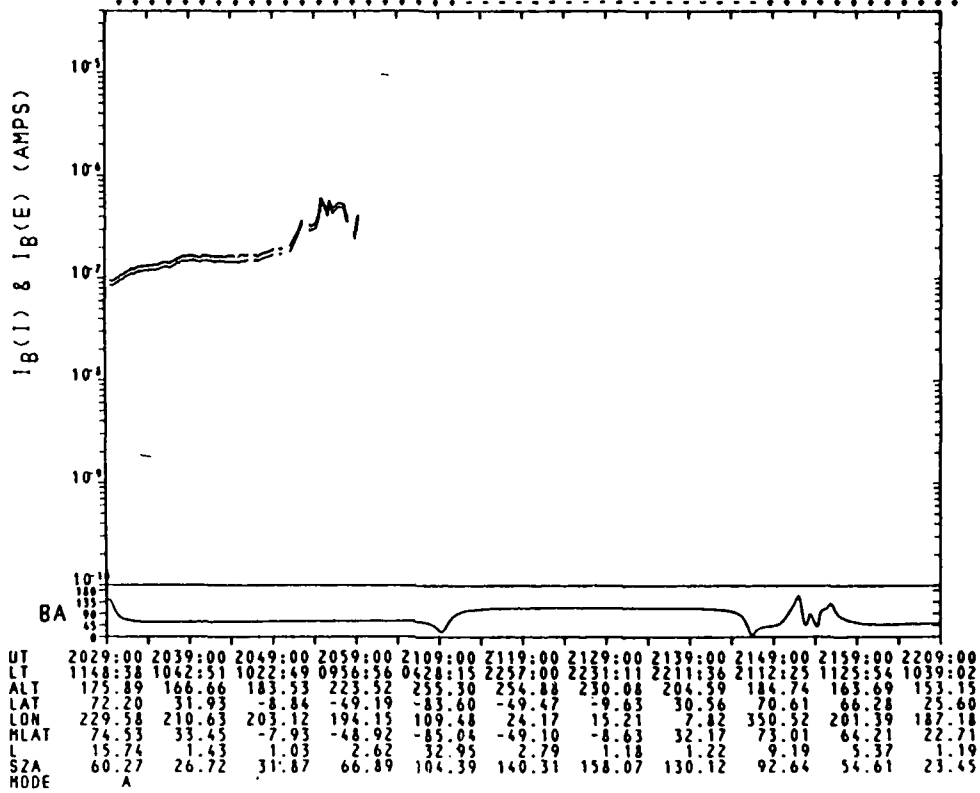
UT	1030:00	1040:00	1050:00	1100:00	1110:00	1120:00	1130:00	1140:00	1150:00	1200:00	1210:00
LT	1449:41	1052:45	1028:36	1007:55	0847:07	2316:34	2237:21	2218:26	2145:28	1241:46	1047:22
ALT	173.64	165.88	176.12	210.88	245.63	251.02	227.82	200.57	183.68	171.98	165.58
LAT	82.98	45.54	4.77	-35.74	-75.03	-62.62	-22.91	17.35	57.75	78.59	39.05
LON	64.66	2.93	354.39	346.72	324.02	178.88	160.58	159.35	148.61	10.18	339.08
MLAT	72.93	47.63	9.46	-29.10	-64.86	-64.46	-28.68	9.87	48.39	75.30	45.75
L	18.35	1.94	1.04	1.65	4.19	7.12	-2.34	1.03	2.51	16.56	45.70
SZA	73.40	36.96	23.57	54.13	91.35	128.27	157.24	141.78	105.49	67.30	31.91
MODE	A										

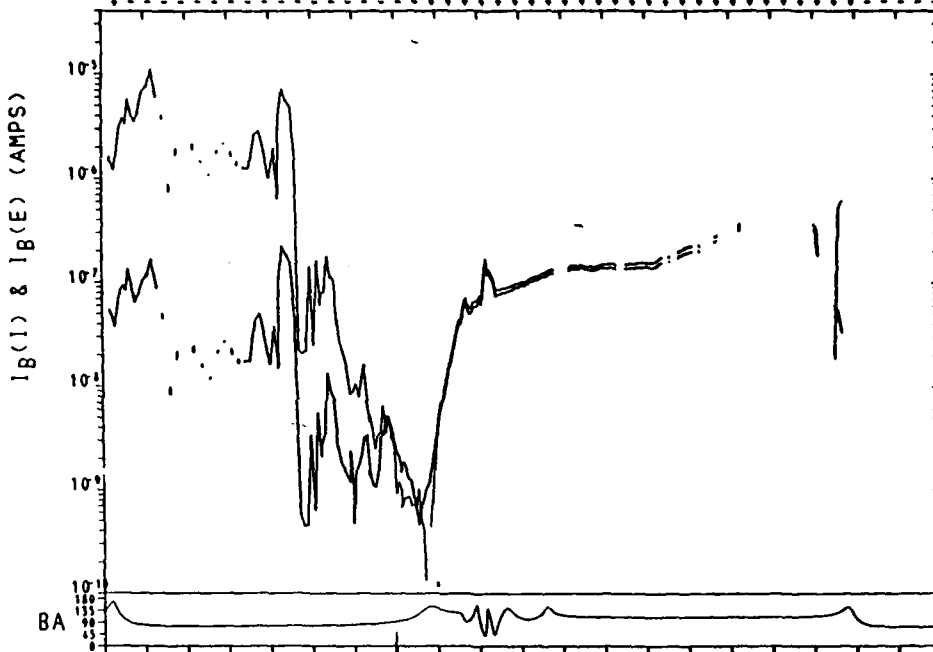


UT	1258:00	1308:00	1318:00	1328:00	1338:00	1348:00	1358:00	1408:00	1418:00	1428:00	1438:00
LT	2107:52	1153:30	1038:39	1019:25	0948:18	0117:18	2230:29	2227:59	2207:01	2031:00	1110:58
ALT	191.71	174.75	168.28	190.36	232.25	260.12	255.01	230.23	207.23	119.30	172.47
LAT	71.59	65.39	24.84	-15.89	-56.09	-40.59	-42.65	-2.75	37.45	74.94	59.66
LON	122.15	333.56	319.85	312.54	302.26	172.01	135.80	124.68	116.94	90.43	307.92
MLAT	60.41	71.84	34.47	-5.40	-44.95	-75.12	-55.86	-13.70	26.18	65.92	70.13
L	5.73	7.41	1.39	1.12	-1.98	24.03	1.17	1.01	1.32	9.15	7.22
SZA	91.78	55.91	27.21	37.26	73.27	110.71	145.71	155.46	124.01	86.28	48.65
MODE	A										

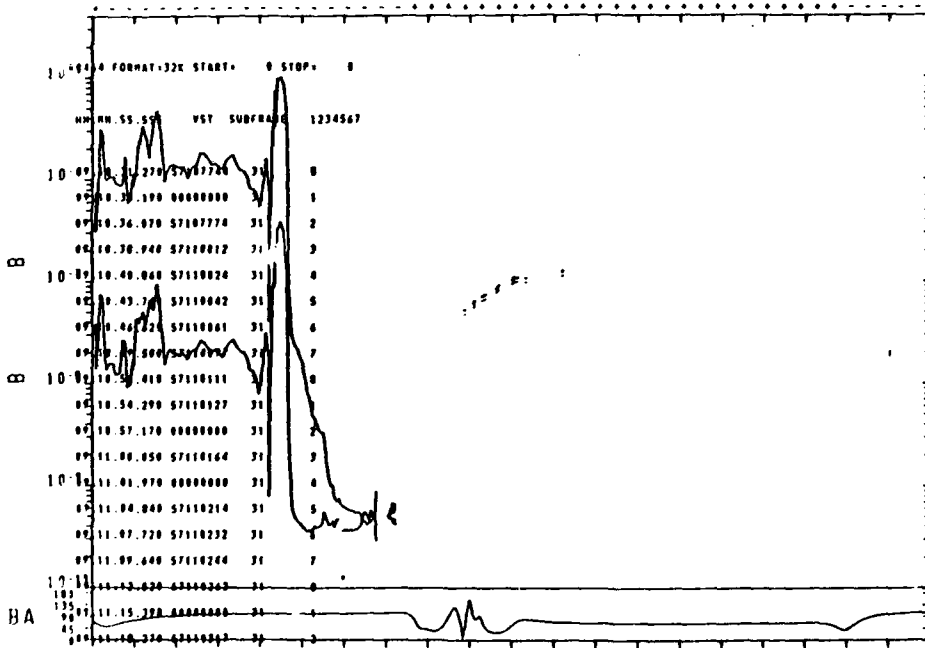




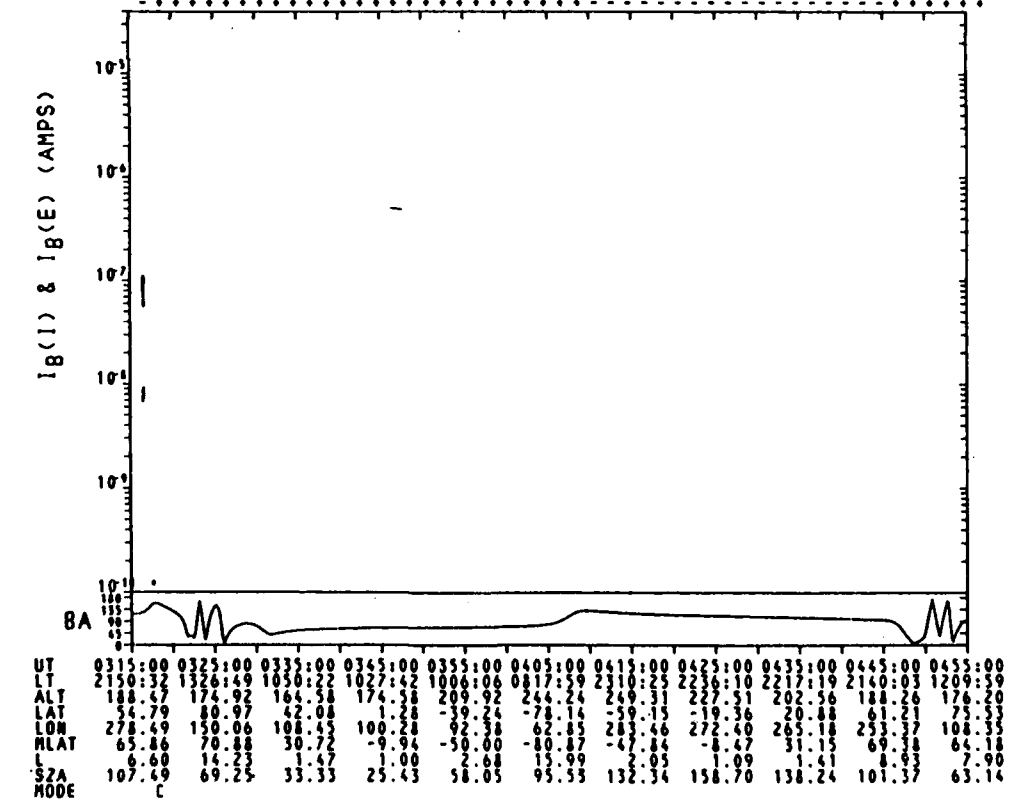
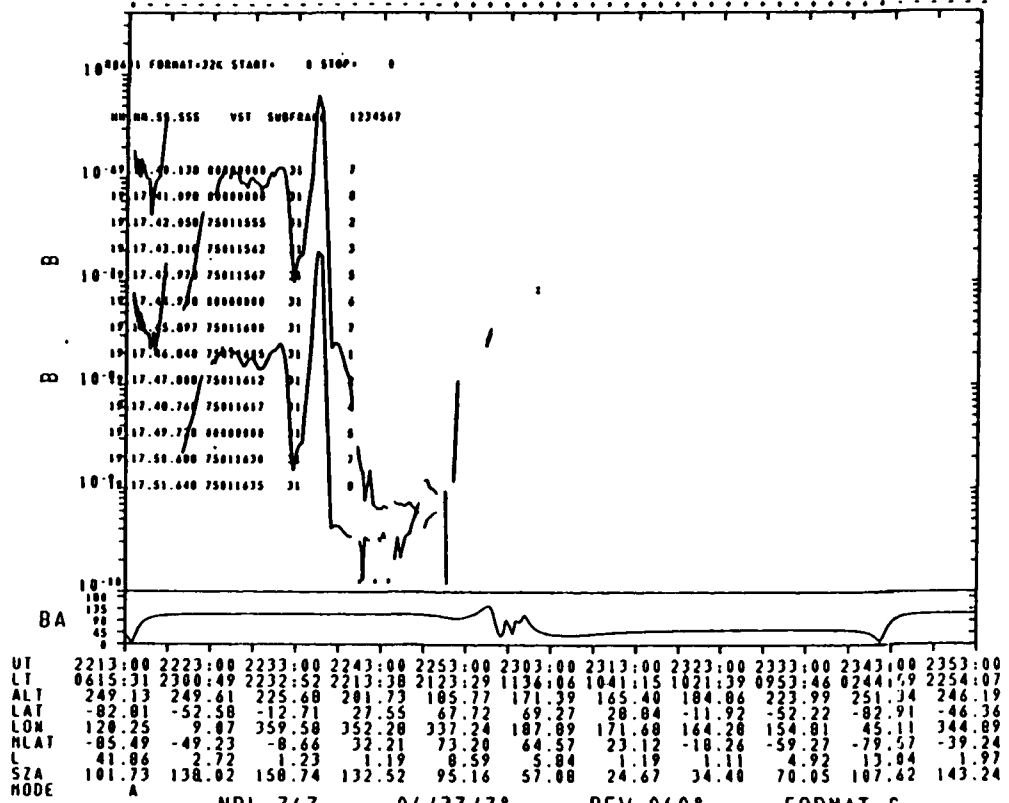


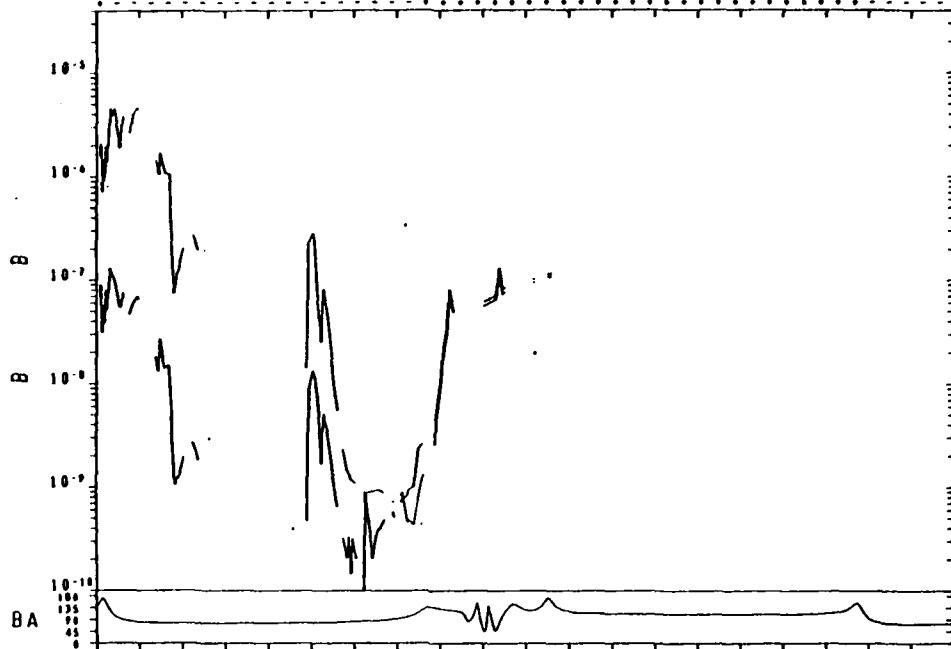


UT	1025:00	1035:00	1045:00	1055:00	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00	1205:00
LT	0638:53	2301:49	2233:12	2214:06	2126:34	1160:09	1041:48	1022:03	0954:58	0321:02	2255:09
ALT	252.59	255.01	231.83	207.22	189.94	174.21	166.95	185.71	225.64	255.11	251.98
LAT	-82.38	-53.44	-13.67	26.53	66.68	70.33	29.96	-10.40	-51.11	-83.32	-47.55
LOW	303.07	186.34	176.69	169.41	155.03	5.93	348.84	341.40	332.13	231.15	162.18
MLAT	-71.15	-54.52	-17.78	20.49	57.76	69.82	35.19	-3.71	-42.24	-74.09	-53.49
L	6.47	3.52	1.12	1.15	4.10	7.50	1.25	1.15	1.95	9.91	3.38
SZA	100.77	137.08	158.80	133.54	96.32	58.25	25.40	33.45	68.86	106.38	142.10
MODE	A										

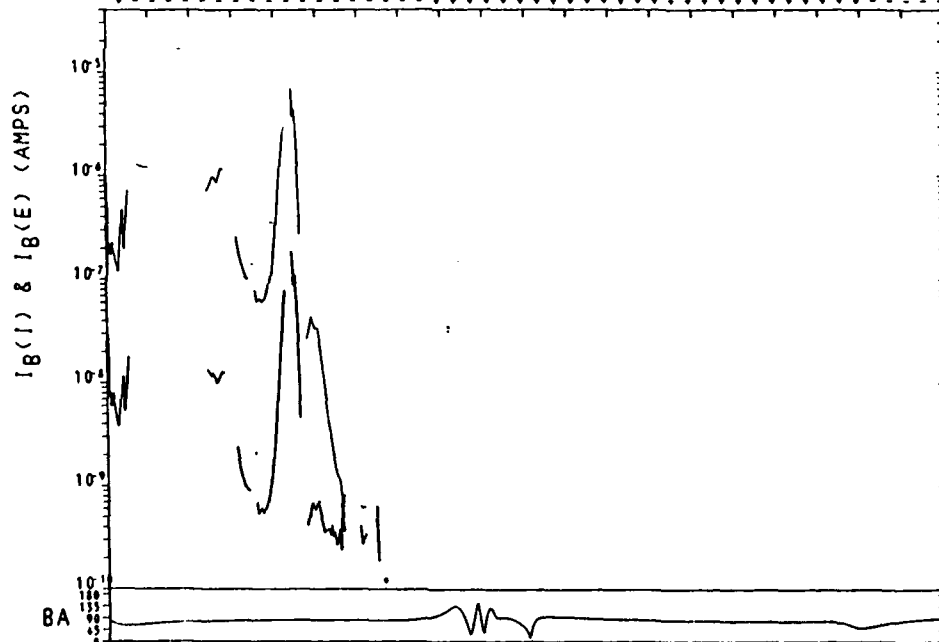


UT	1025:00	1035:00	1045:00	1055:00	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00	1205:00
LT	0638:53	2301:49	2233:12	2214:06	2126:34	1160:09	1041:48	1022:03	0954:58	0321:02	2255:09
ALT	252.59	255.01	231.83	207.22	189.94	174.21	166.95	185.71	225.64	255.11	251.98
LAT	-82.38	-53.44	-13.67	26.53	66.68	70.33	29.96	-10.40	-51.11	-83.32	-47.55
LOW	303.07	186.34	176.69	169.41	155.03	5.93	348.84	341.40	332.13	231.15	162.18
MLAT	-71.15	-54.52	-17.78	20.49	57.76	69.82	35.19	-3.71	-42.24	-74.09	-53.49
L	6.47	3.52	1.12	1.15	4.10	7.50	1.25	1.15	1.95	9.91	3.38
SZA	102.99	139.13	158.50	131.36	93.94	55.91	24.06	35.41	71.22	108.76	144.19
MODE	A										

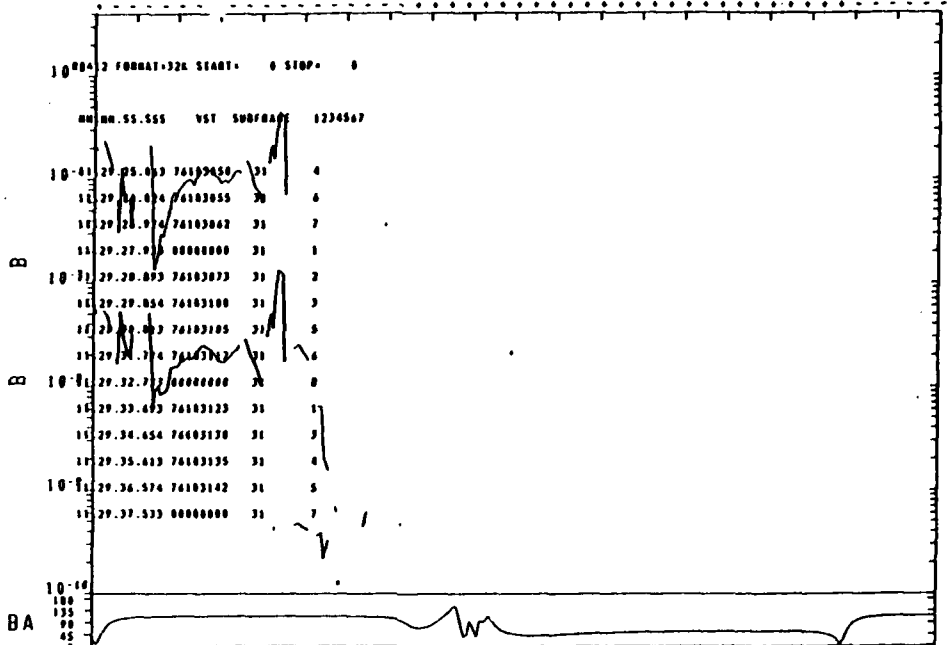




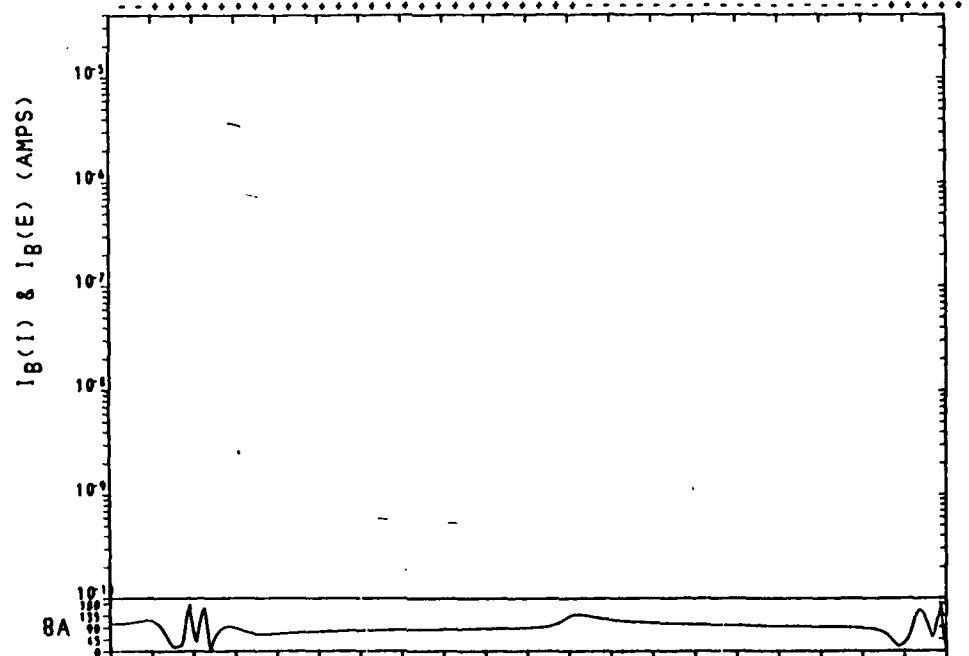
UT	1001:00	1011:00	1021:00	1031:00	1041:00	1051:00	1101:00	1111:00	1121:00	1131:00	1141:00
LT	0559:52	2308:17	2232:43	2213:25	2121:38	1134:03	1041:00	1021:29	0953:11	0228:34	2253:41
ALT	248.97	247.95	223.37	199.64	184.46	171.06	166.01	185.97	224.75	250.75	244.31
LAT	-83.94	-52.85	-12.15	28.14	68.31	68.68	28.23	-12.52	-52.88	-82.64	-45.77
LON	299.31	191.91	182.52	175.20	159.75	10.35	354.59	347.21	337.63	223.98	167.76
MLAT	-71.75	-52.07	-15.19	23.03	59.83	67.60	32.44	-6.33	-44.56	-74.12	-58.77
L	6.85	3.07	1.08	1.20	4.62	6.31	1.19	1.19	2.11	18.32	2.91
SZA	102.39	138.64	158.69	131.88	94.43	56.35	24.23	34.94	70.74	108.32	143.88
MODE	A										



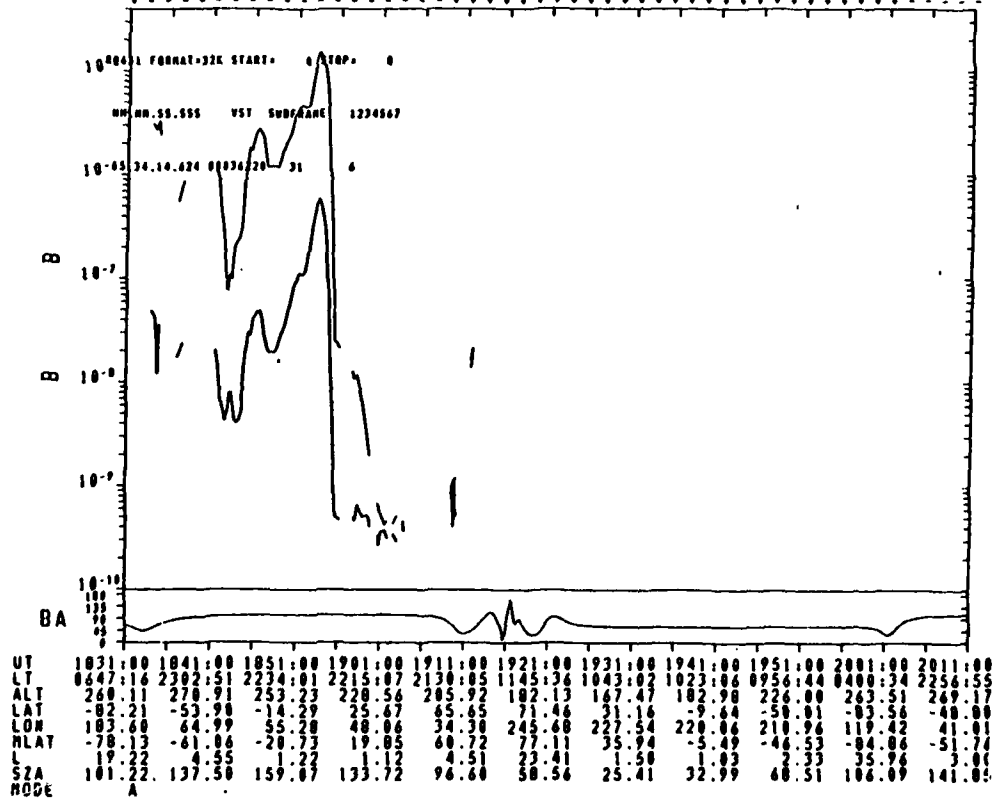
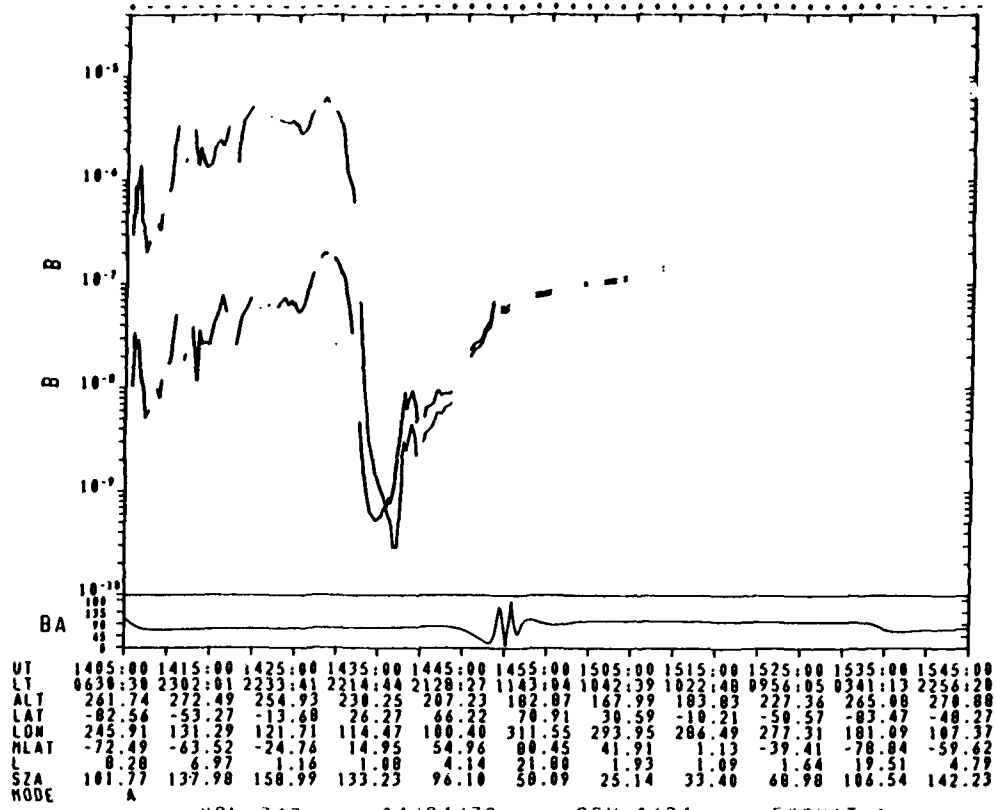
UT	1555:00	1605:00	1615:00	1625:00	1635:00	1645:00	1655:00	1705:00	1715:00	1725:00	1735:00
LT	0509:34	2258:32	2232:02	2212:32	2115:52	1128:44	1040:06	1020:45	0951:07	0147:33	2252:12
ALT	247.40	244.45	219.40	196.38	182.08	169.40	165.33	186.26	224.68	248.73	240.54
LAT	-83.49	-50.51	-10.56	29.77	69.90	67.06	26.54	-14.20	-54.66	-81.68	-44.08
LON	198.22	102.97	93.84	86.46	69.80	280.31	265.85	258.52	248.61	125.22	78.88
MLAT	-77.04	-61.78	-21.48	19.23	60.28	78.17	36.85	-4.39	-45.32	-85.96	-53.51
L	14.92	5.55	1.12	1.16	5.48	24.25	1.61	1.05	2.05	33.95	3.19
SZA	103.90	140.03	158.37	130.37	92.79	54.74	23.38	38.35	72.37	109.97	145.31
MODE	A										

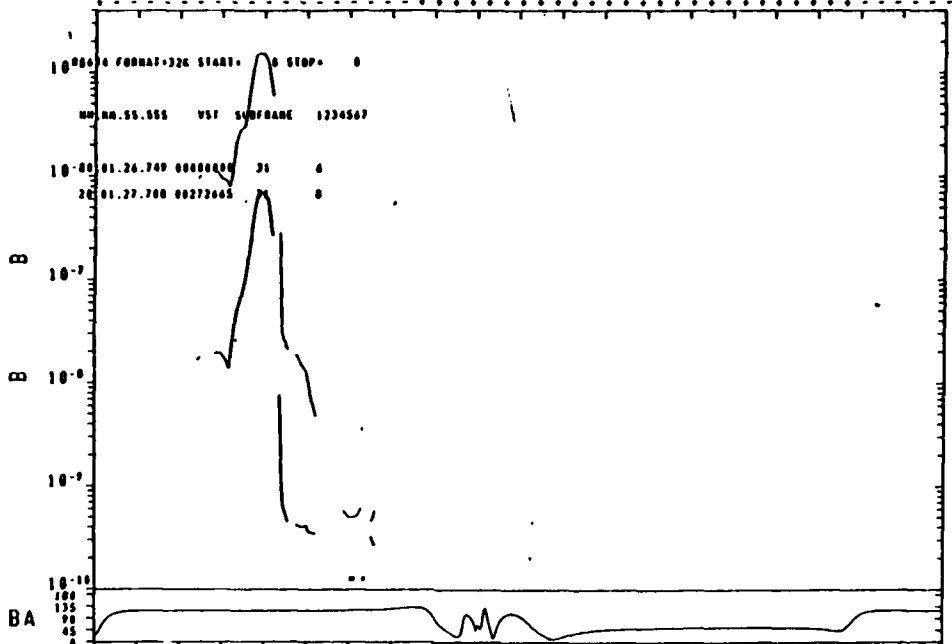


UT	2149:00	2159:00	2209:00	2219:00	2229:00	2239:00	2249:00	2259:00	2309:00	2319:00	2329:00
LT	0527:01	2259:27	2232:37	2213:29	2122:40	1135:48	1041:24	1021:48	0953:48	0243:13	2254:30
ALT	265.98	277.01	260.22	235.70	211.29	184.76	168.82	185.51	230.45	269.01	275.60
LAT	-03.38	-51.26	-11.70	28.20	68.03	69.14	28.74	-12.86	-52.38	-82.00	-46.53
LON	114.08	14.68	5.47	358.19	342.98	193.77	177.67	170.27	168.77	50.62	358.94
MLAT	-85.21	-48.99	-8.77	31.73	72.35	65.41	24.05	-17.37	-58.38	-88.24	-48.31
L	35.97	2.75	1.23	1.19	8.12	6.15	1.21	1.10	4.60	14.15	2.08
SZA	103.50	139.48	158.63	131.71	94.54	56.62	24.35	34.70	70.49	108.00	143.43
MODE	A										

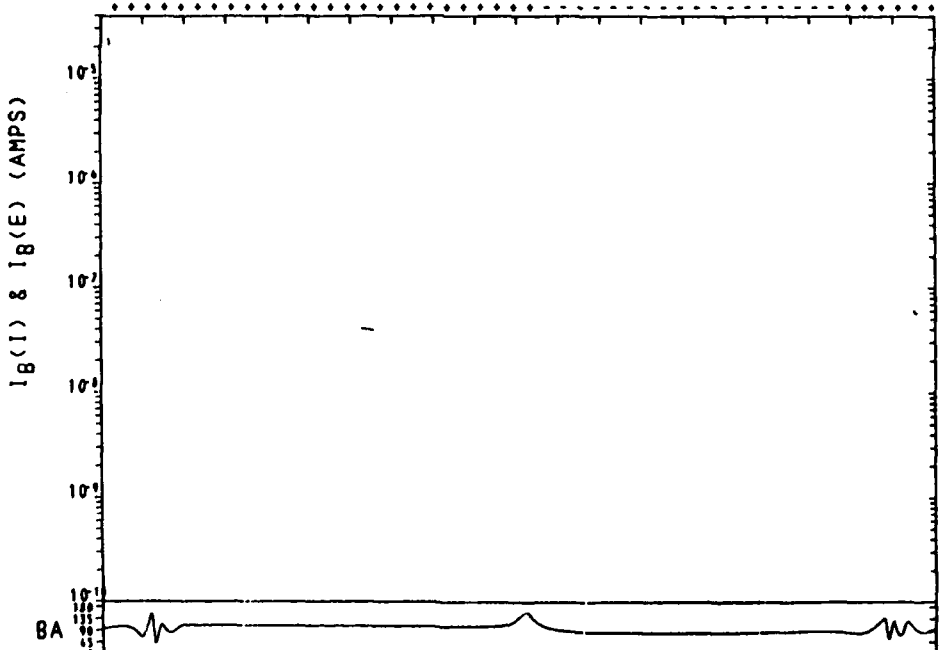


UT	0419:00	0429:00	0439:00	0449:00	0459:00	0509:00	0519:00	0529:00	0539:00	0549:00	0559:00
LT	2159:02	1707:45	1057:39	1031:20	1011:23	0909:18	2127:10	2240:34	2221:36	2153:35	1420:32
ALT	221.37	196.69	173.27	171.75	205.31	251.51	274.85	265.14	242.09	220.96	198.97
LAT	47.69	83.50	49.61	8.82	-31.82	-71.44	-66.51	-27.72	12.59	52.63	82.50
LON	264.57	189.25	94.22	85.14	77.65	59.63	271.60	237.45	250.21	240.70	124.94
MLAT	57.71	75.97	38.58	-1.56	-41.25	-75.91	-55.53	-17.44	21.27	59.10	71.31
L	3.84	27.77	1.90	1.00	1.92	10.87	2.80	1.17	1.17	3.90	15.95
SZA	113.85	75.88	39.04	22.11	51.60	88.90	125.95	156.45	144.82	109.20	71.16
MODE											

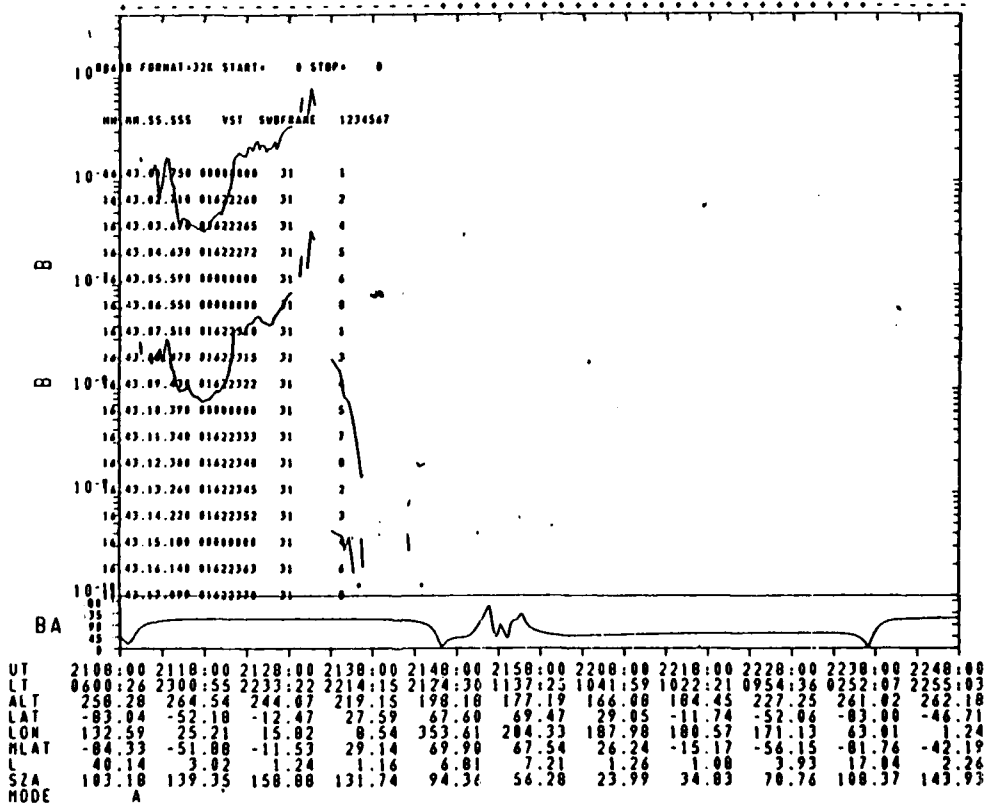
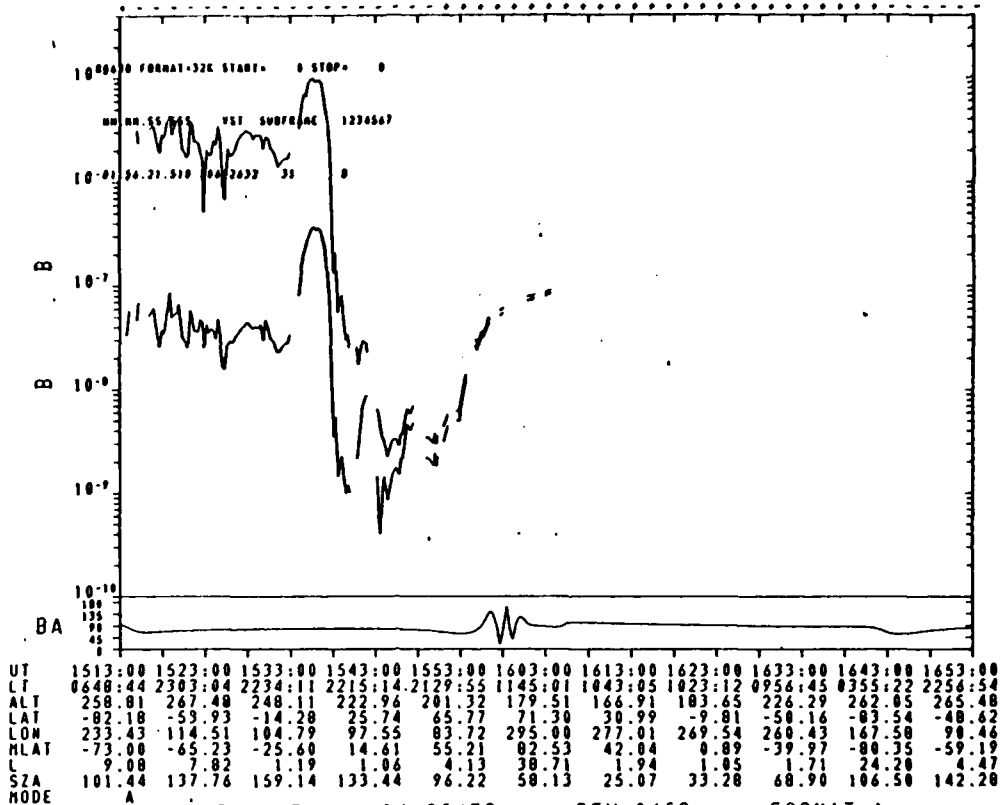


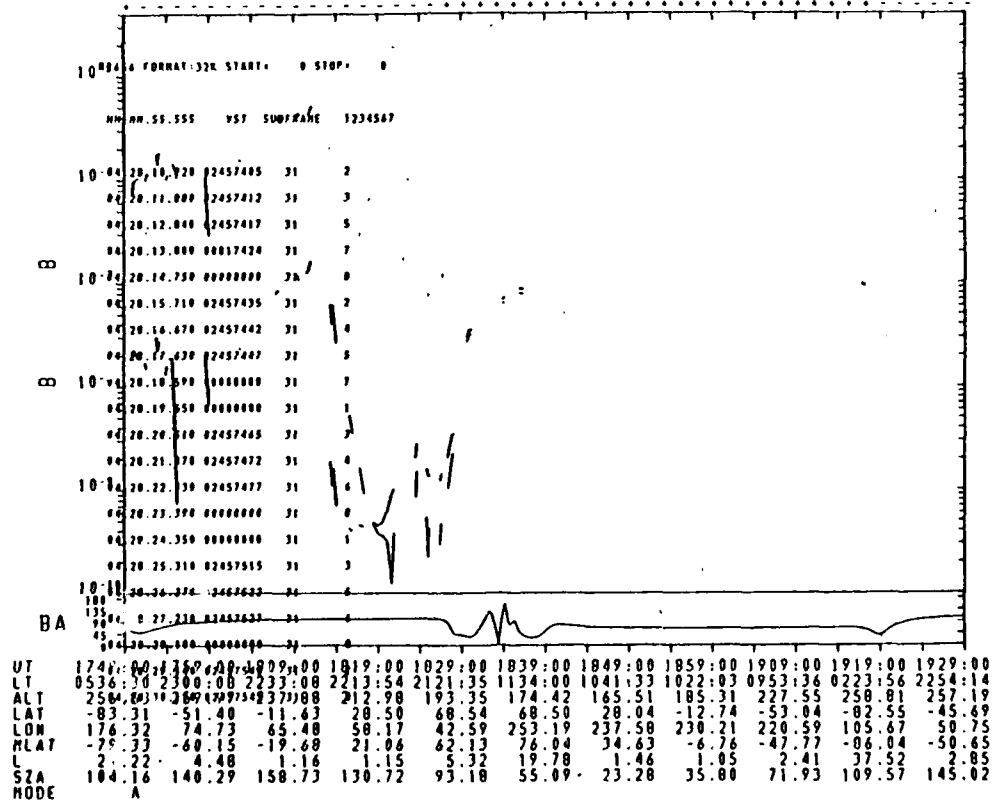
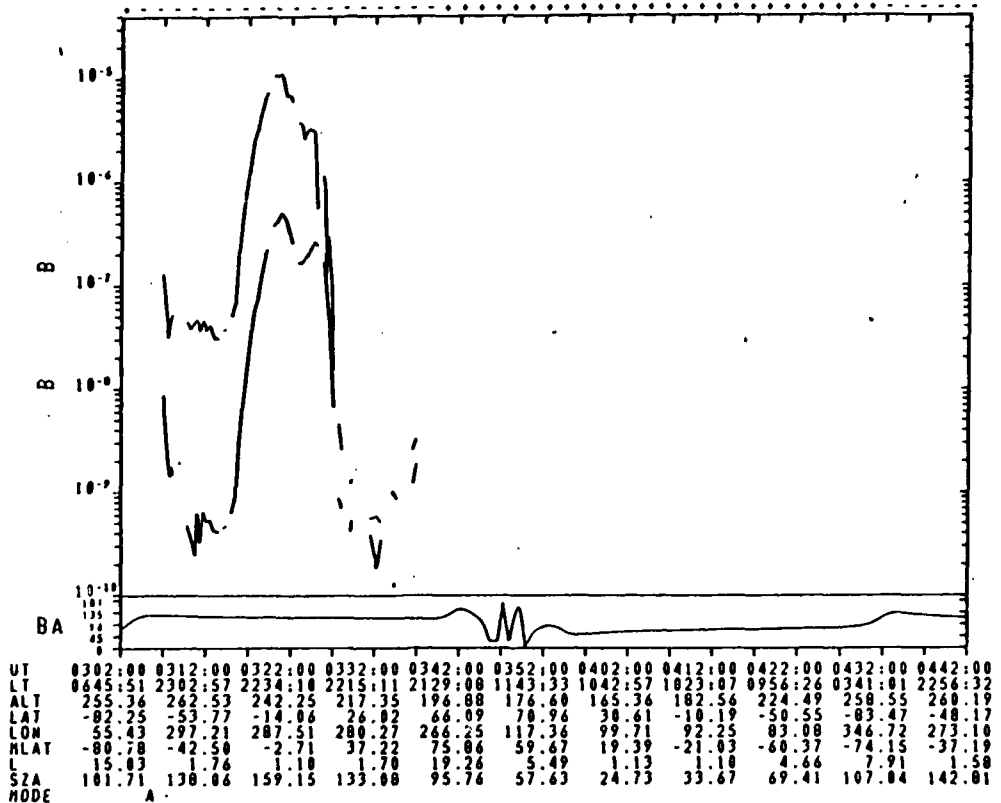


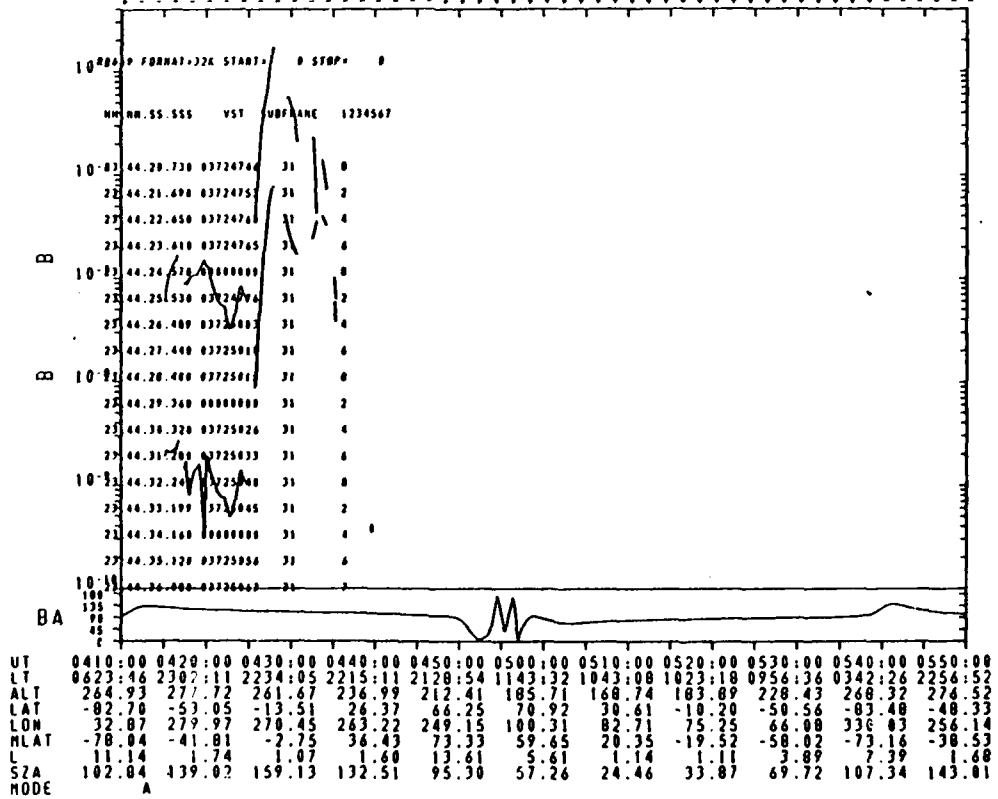
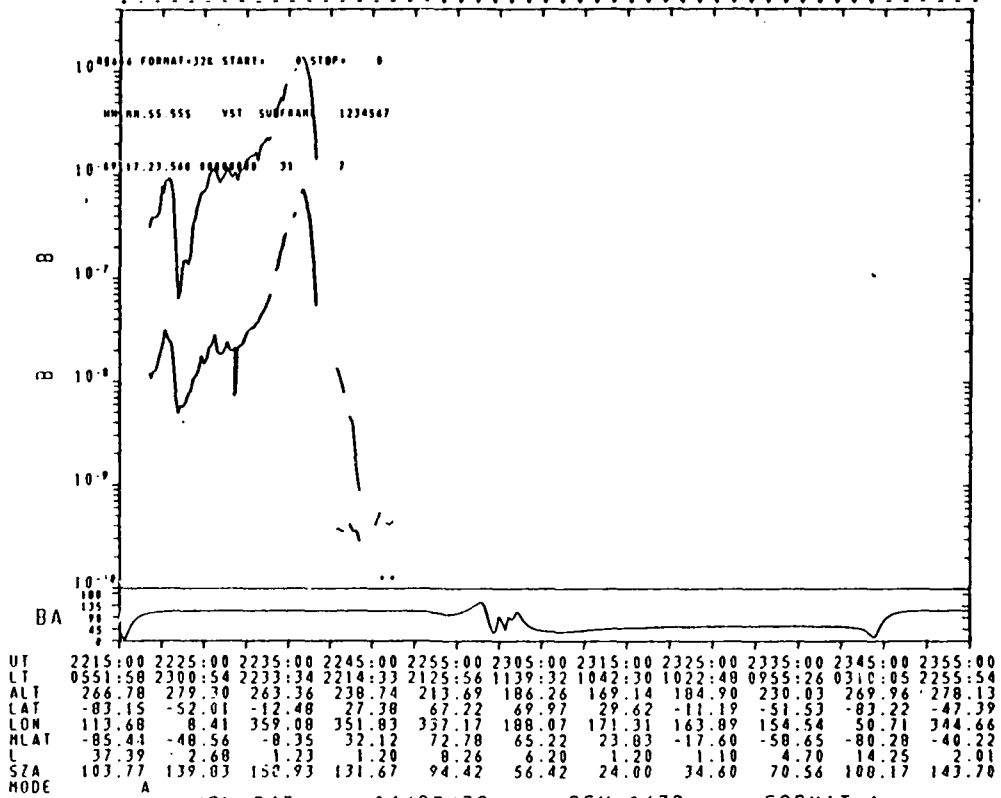
UT	0026:00	0036:00	0046:00	0056:00	0106:00	0116:00	0126:00	0136:00	0146:00	0156:00	0206:00
LT	0621:54	2301:41	2233:35	2214:34	2127:06	1140:59	1042:24	1022:38	0955:33	0321:50	2255:49
ALT	259.07	268.23	249.67	225.10	203.05	180.08	166.60	183.26	226.23	262.33	266.31
LAT	-82.72	-52.93	-13.28	26.72	66.70	70.40	30.04	-10.77	-51.11	-83.33	-47.67
LOX	88.50	335.94	326.42	319.16	304.77	155.76	138.62	131.18	121.90	21.01	311.97
HLAT	-84.77	-44.48	-4.14	36.41	77.31	61.40	20.00	-21.27	-62.11	-77.02	-37.04
L	27.03	2.10	1.14	1.47	15.32	5.31	1.14	1.18	5.99	10.10	1.61
SZA	102.21	138.42	158.97	132.73	95.50	57.46	24.72	33.90	69.62	107.21	142.86
MODE	A										

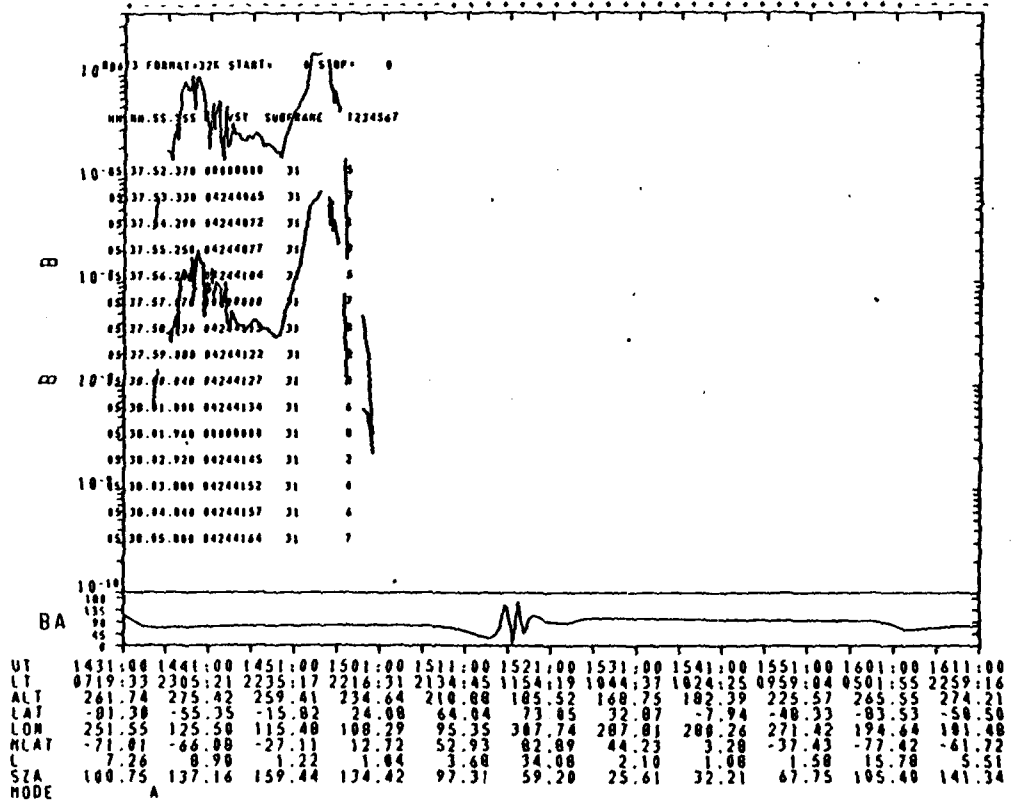
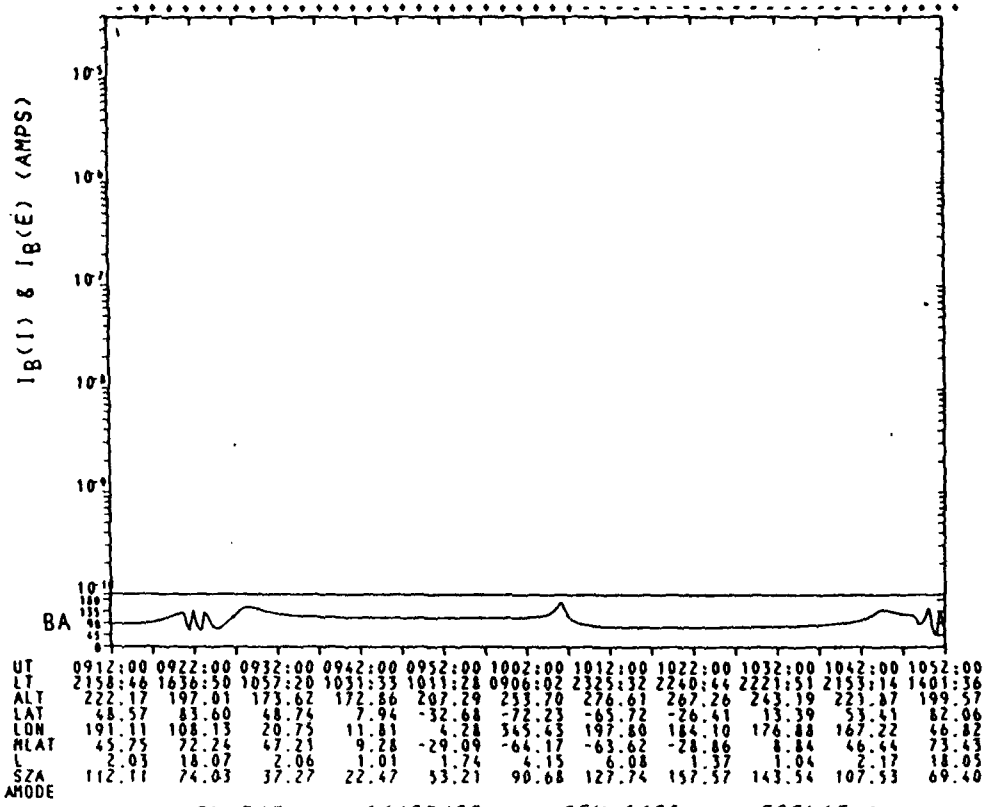


UT	0700:00	0710:00	0720:00	0730:00	0740:00	0750:00	0800:00	0810:00	0820:00	0830:00	0840:00
LT	2133:29	1151:47	1043:55	1023:47	0958:09	0444:00	2258:13	2232:13	2112:50	2116:43	1129:31
ALT	201.85	179.87	163.47	180.33	222.33	239.26	264.37	264.37	219.97	198.03	172.61
LAT	65.38	72.66	32.43	-2.33	-18.78	-83.38	-49.92	-10.22	29.84	69.77	47.23
LOX	217.88	69.95	30.49	4.00	34.03	313.00	224.02	215.06	207.71	191.18	41.88
HLAT	63.94	62.94	26.10	-12.76	-30.38	-75.37	-44.22	-6.98	30.84	63.34	61.04
L	97.69	6.70	1.25	1.10	5.87	7.17	2.12	1.08	1.37	6.31	4.87
SZA	97.69	59.58	26.01	32.13	67.50	105.12	41.06	158.32	129.88	92.40	54.36
MODE	B										







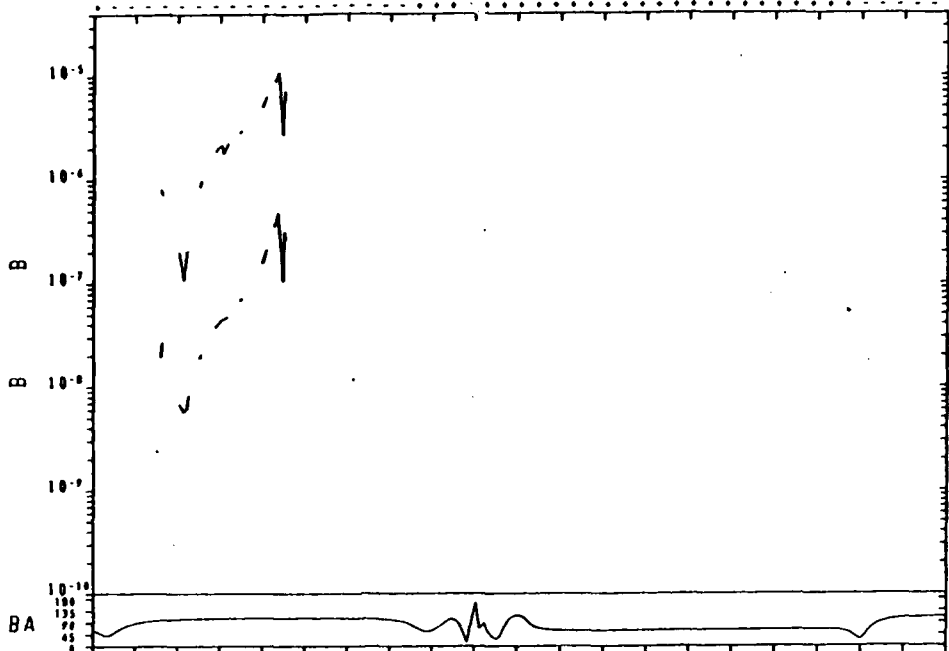


NRL 747

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REV 0683

FORMAT A



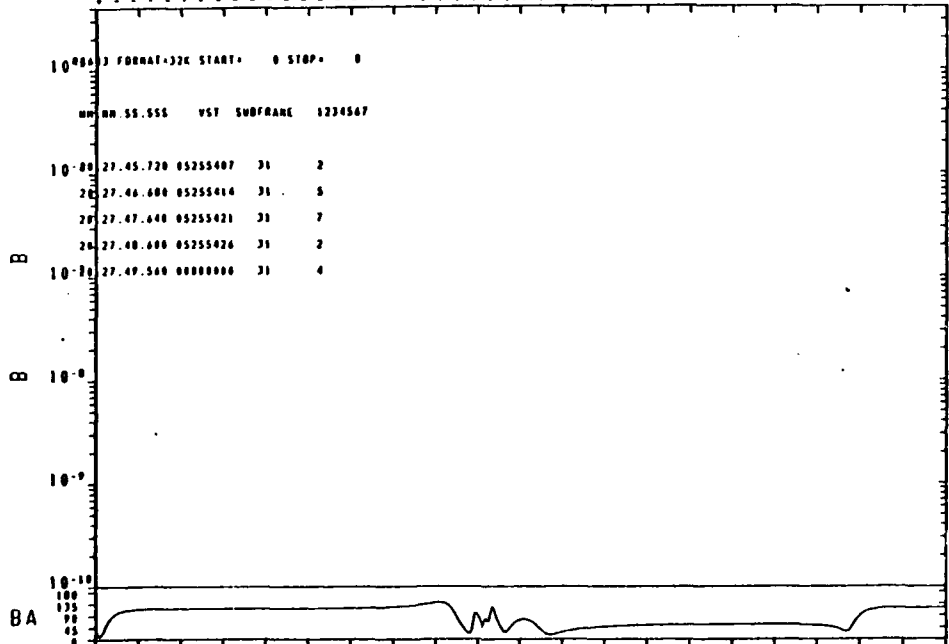
UT	1858:00	1900:00	1918:00	1928:00	1938:00	1948:00	1958:00	2008:00	2018:00	2028:00	2038:00
LT	0608:39	2301:37	2233:55	2214:55	2126:54	1140:32	1042:46	1023:03	0955:51	0316:40	2256:12
ALT	263.16	273.46	255.76	230.95	207.55	182.78	167.96	184.49	228.58	266.24	271.83
LAT	-82.94	-52.50	-12.90	27.04	66.96	70.18	29.82	-10.98	-51.31	-83.28	-47.54
LOW	147.87	57.81	48.38	41.13	28.63	237.54	220.60	213.16	203.86	101.57	33.95
MLAT	-80.37	-58.47	-18.18	22.37	63.18	74.50	33.33	-8.08	-49.08	-85.21	-49.18
L	25.63	3.93	1.20	1.15	5.07	15.54	1.42	1.04	2.62	31.59	2.79
SZA	107.53	139.69	159.05	131.76	94.42	56.35	23.89	34.60	70.61	100.25	143.85
MODE											

NRL 747

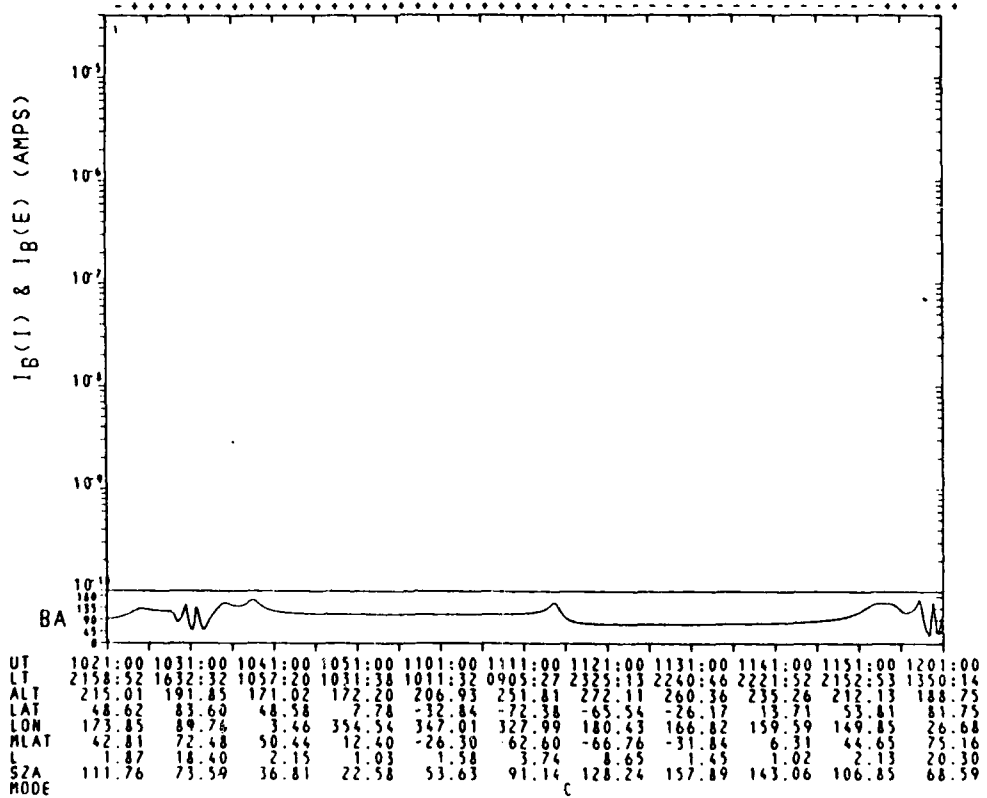
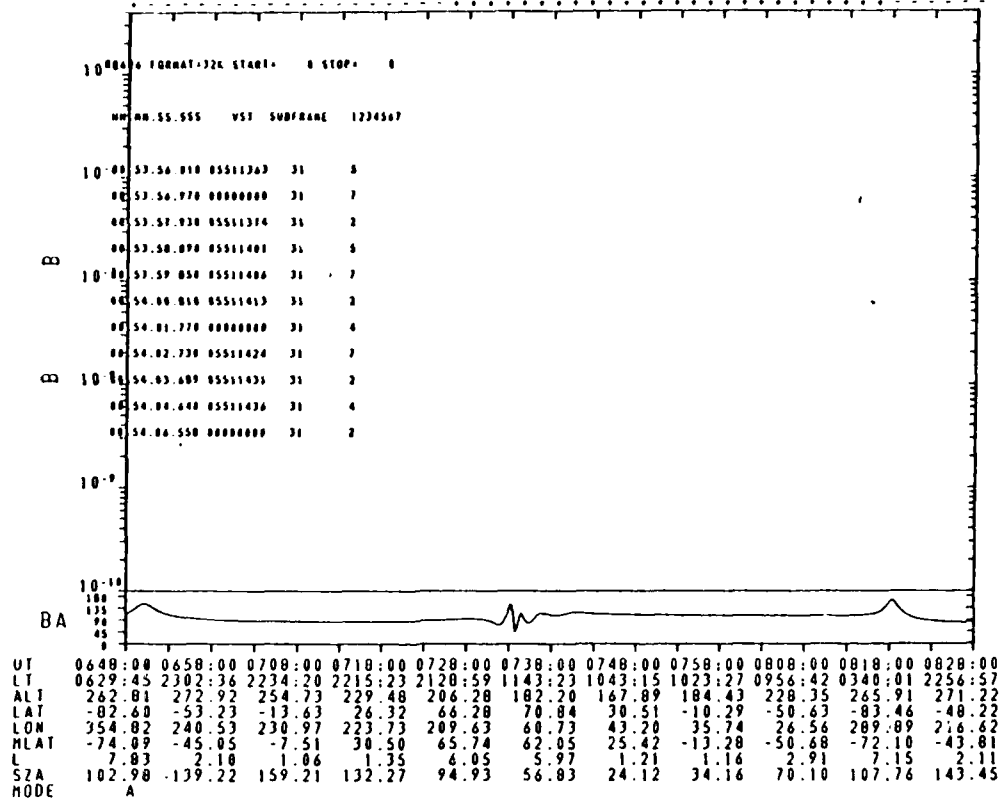
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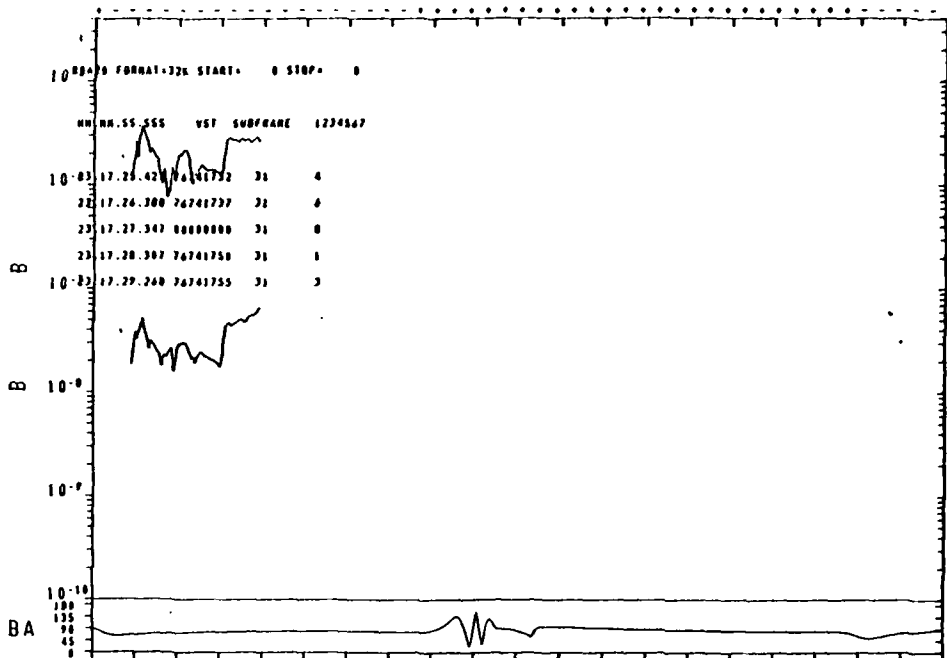
REV 0686

FORMAT A

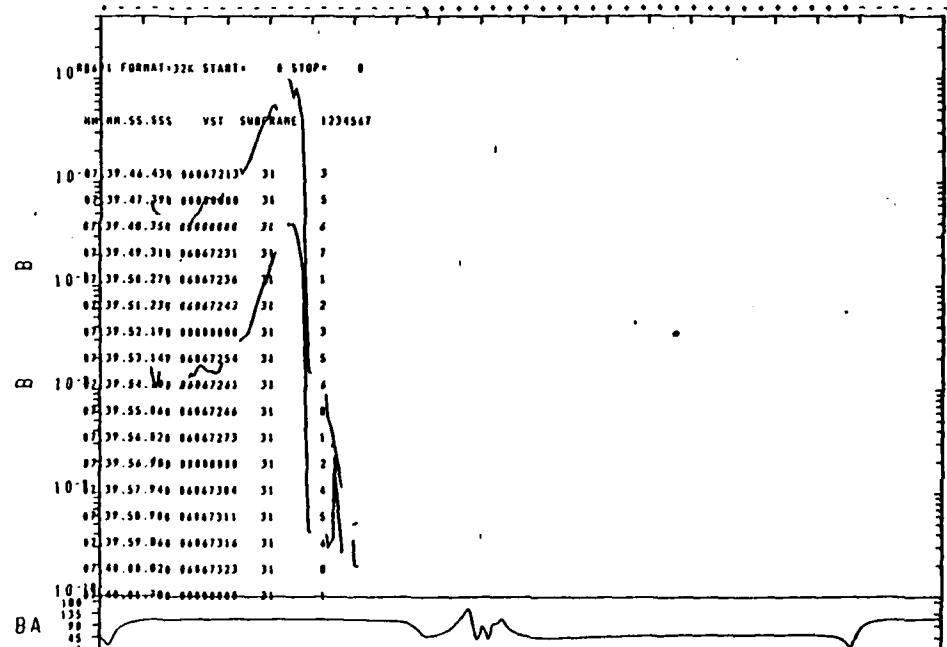


UT	2324:00	2334:00	2344:00	2354:00	0004:00	0014:00	0024:00	0034:00	0044:00	0054:00	0104:00
LT	0631:14	2302:38	2234:19	2215:21	2129:01	1143:13	1043:03	1023:10	0956:05	0322:12	2256:07
ALT	261.42	271.96	254.21	229.39	205.96	177.72	156.66	170.89	217.12	259.66	267.87
LAT	-82.56	-53.27	-13.67	26.29	66.25	70.83	30.40	-10.54	-51.02	-83.34	-47.64
LOW	186.21	351.56	341.97	334.74	320.65	171.70	154.16	146.69	137.41	36.44	327.42
MLAT	-86.85	-46.95	-6.63	33.94	74.83	63.63	22.05	-19.47	-60.63	-78.67	-38.31
L	37.80	2.41	1.20	1.27	10.22	5.86	1.16	1.11	5.43	11.88	1.76
SZA	102.84	139.08	159.21	132.38	95.06	56.91	24.15	34.31	70.39	108.15	143.82
MODE											

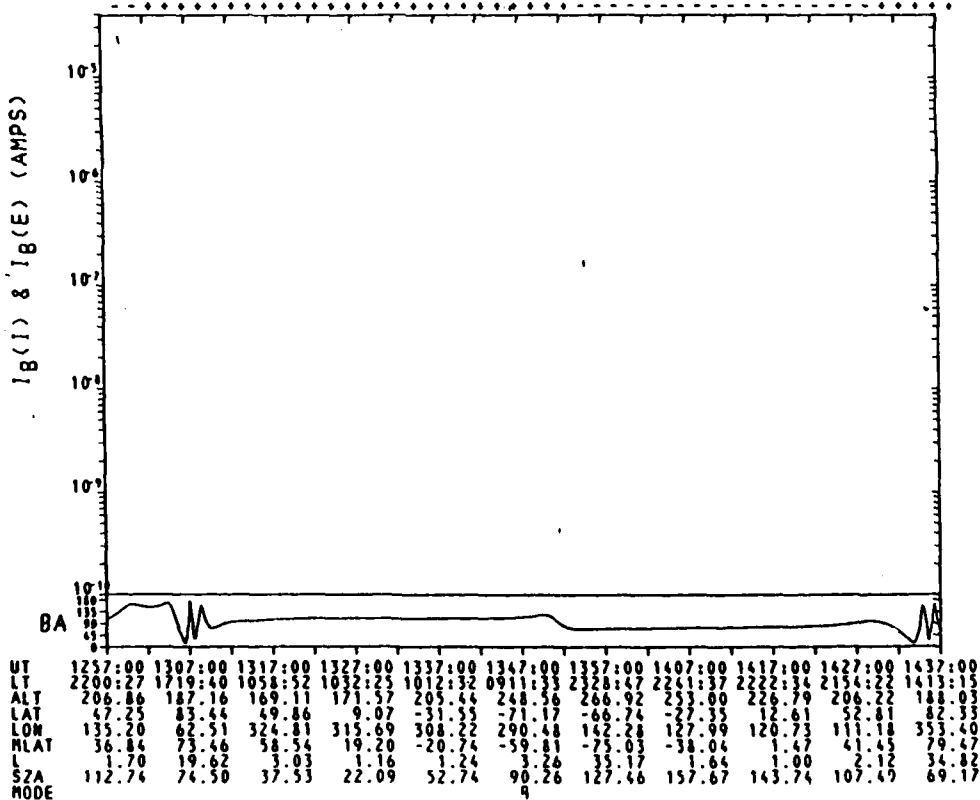
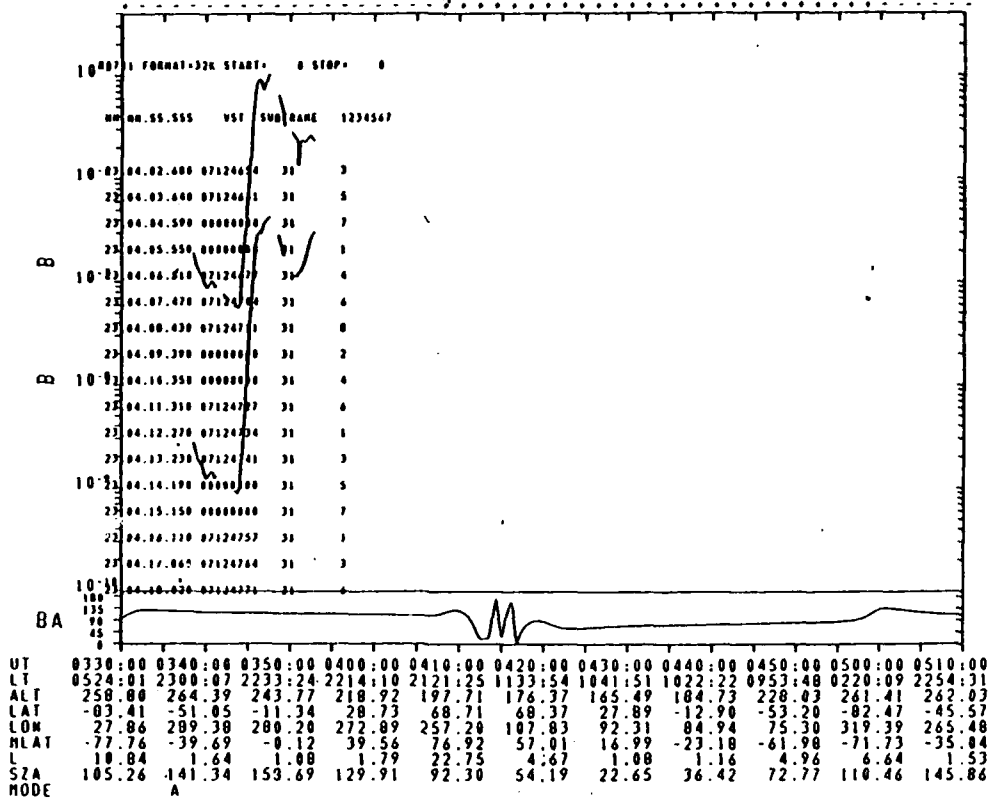


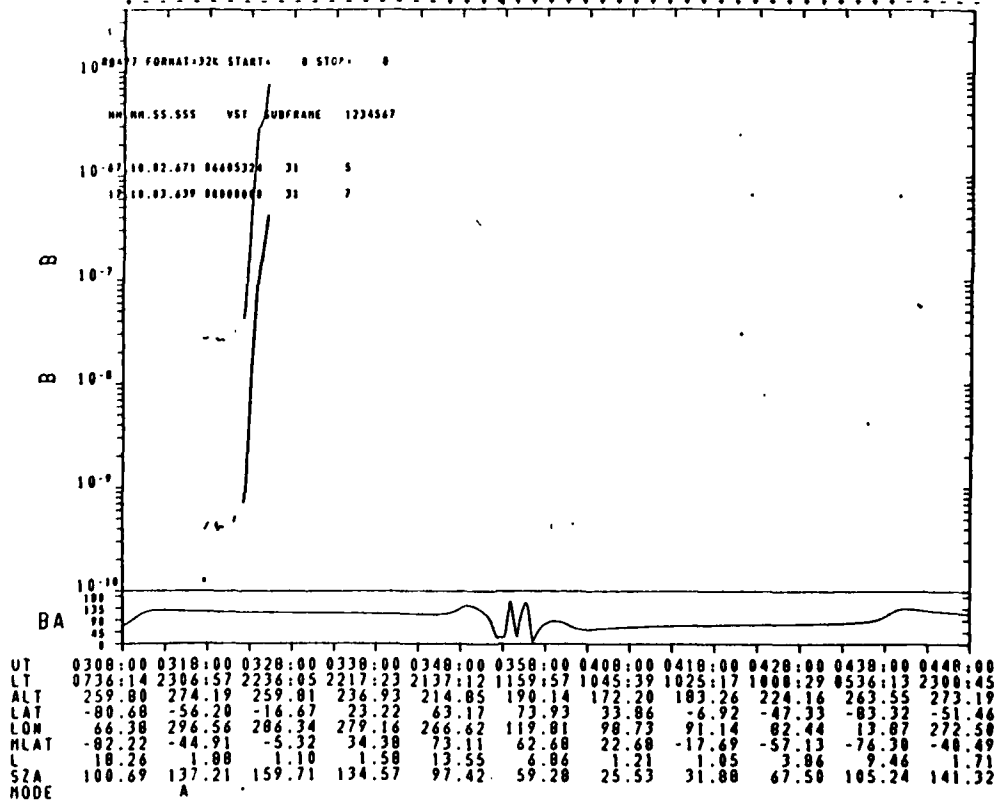
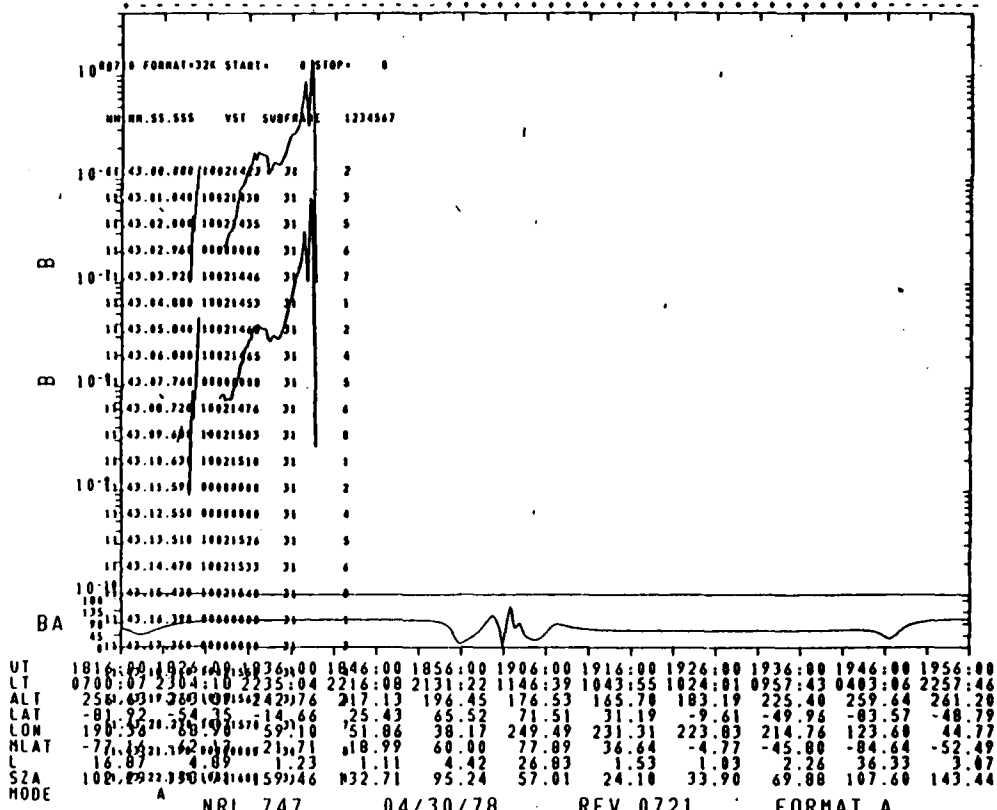


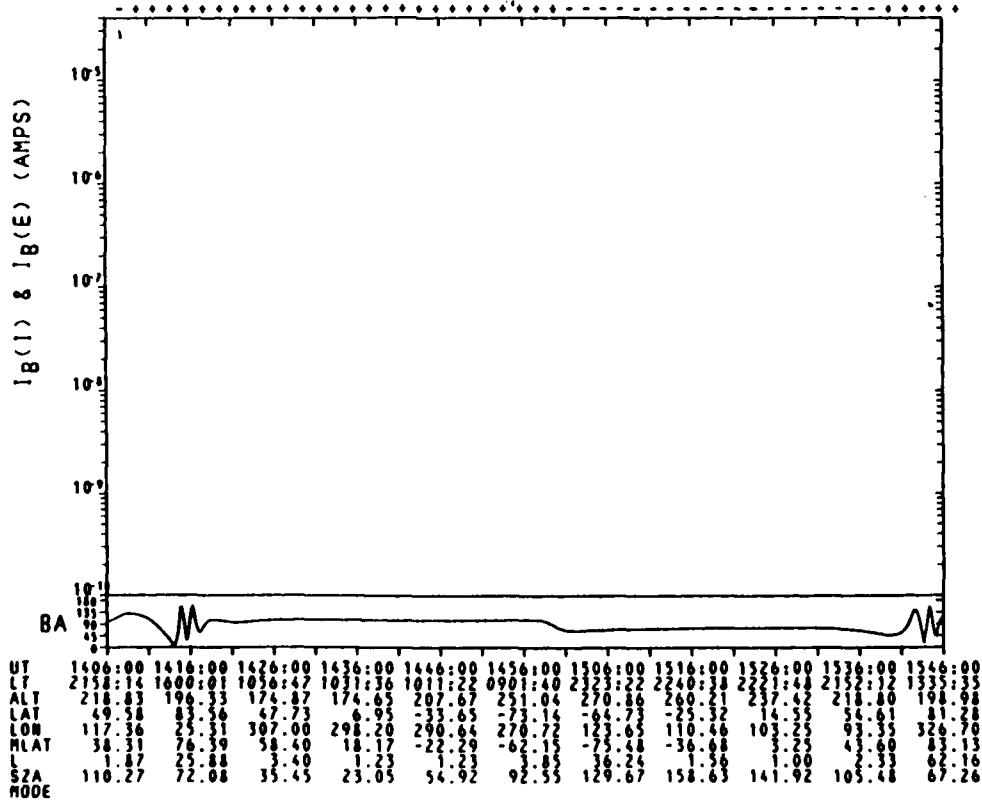
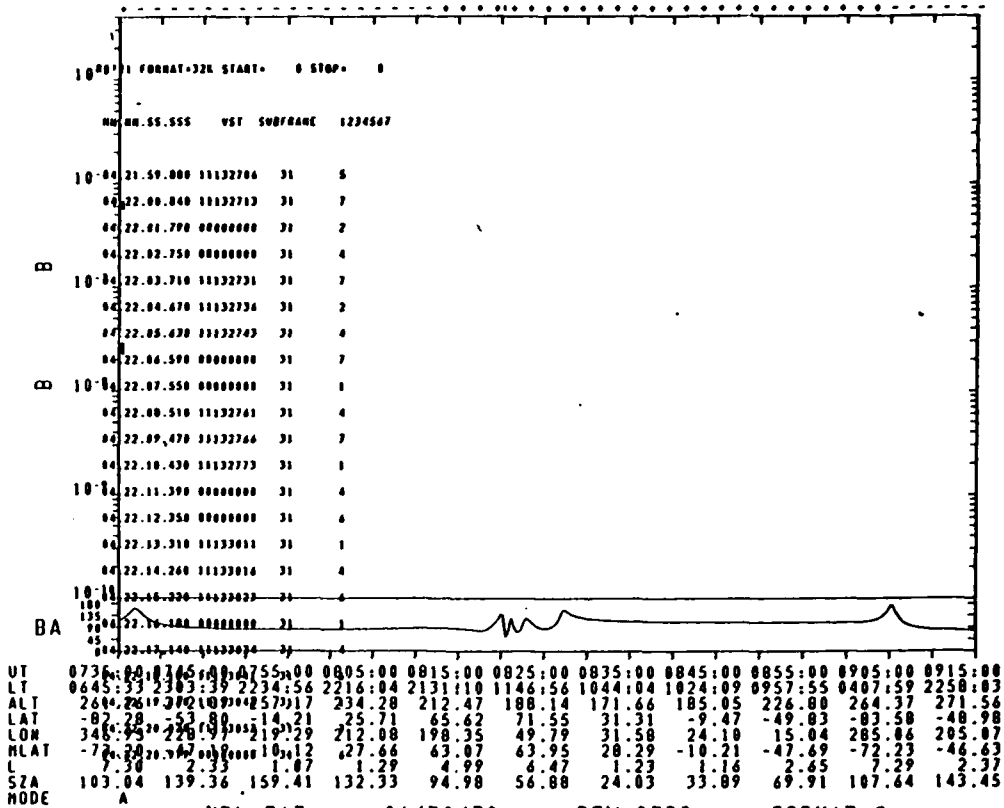
UT	1540:00	1550:00	1600:00	1610:00	1620:00	1630:00	1640:00	1650:00	1700:00	1710:00	1720:00
LT	0255:00	2303:54	2234:58	2215:57	2131:25	1147:10	1043:50	1023:54	0957:41	0408:46	2257:48
ALT	259.87	269.87	251.35	226.13	203.68	180.71	166.94	183.04	226.17	263.22	268.89
LAT	-82.04	-54.19	-14.57	25.42	65.43	71.65	31.36	-9.44	-49.88	-83.58	-49.88
LOX	228.16	187.85	90.08	90.86	77.22	288.66	270.33	262.84	253.79	164.86	83.82
MLAT	-73.30	-65.55	-25.70	14.68	55.31	83.01	42.81	0.74	-48.28	-88.75	-58.93
L	9.54	7.81	1.20	1.85	4.08	49.42	1.91	1.84	1.75	25.48	4.31
SZA	102.15	138.50	159.38	132.99	95.65	57.50	24.48	33.56	69.43	107.11	142.92
MODE	A										

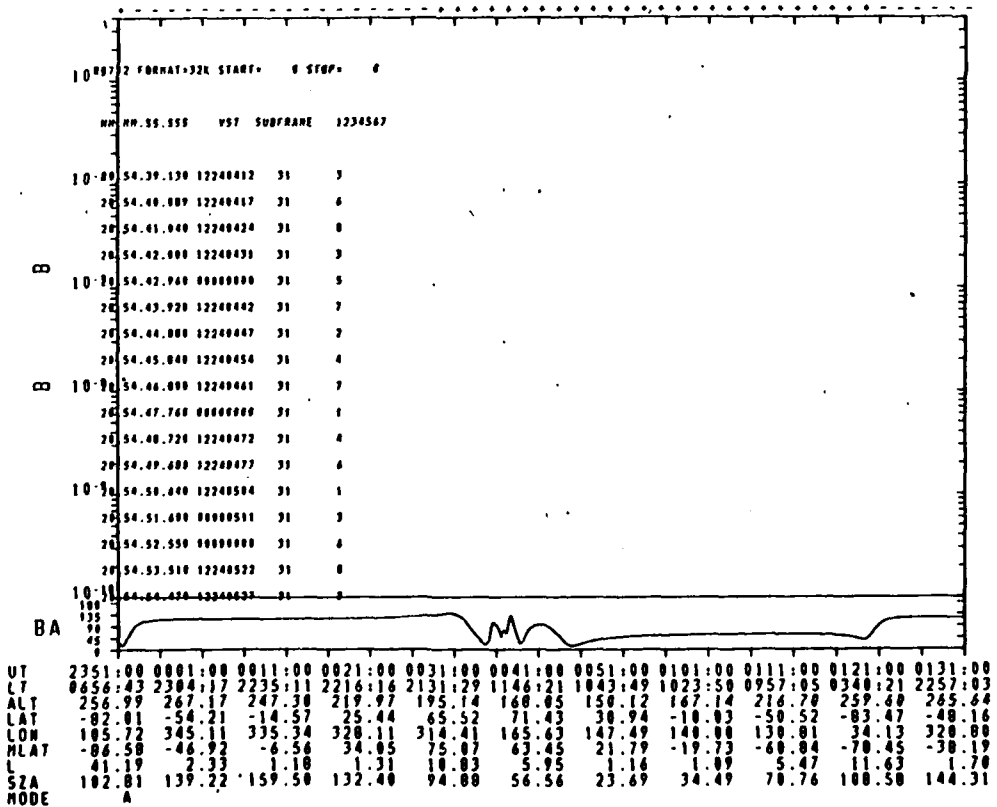
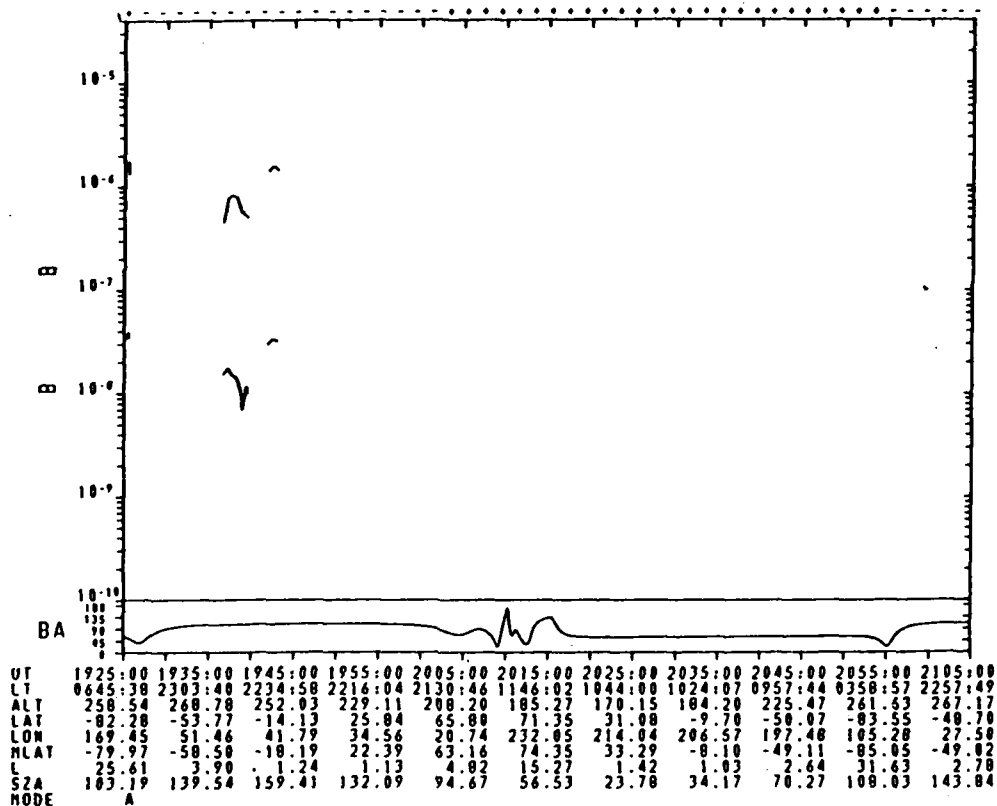


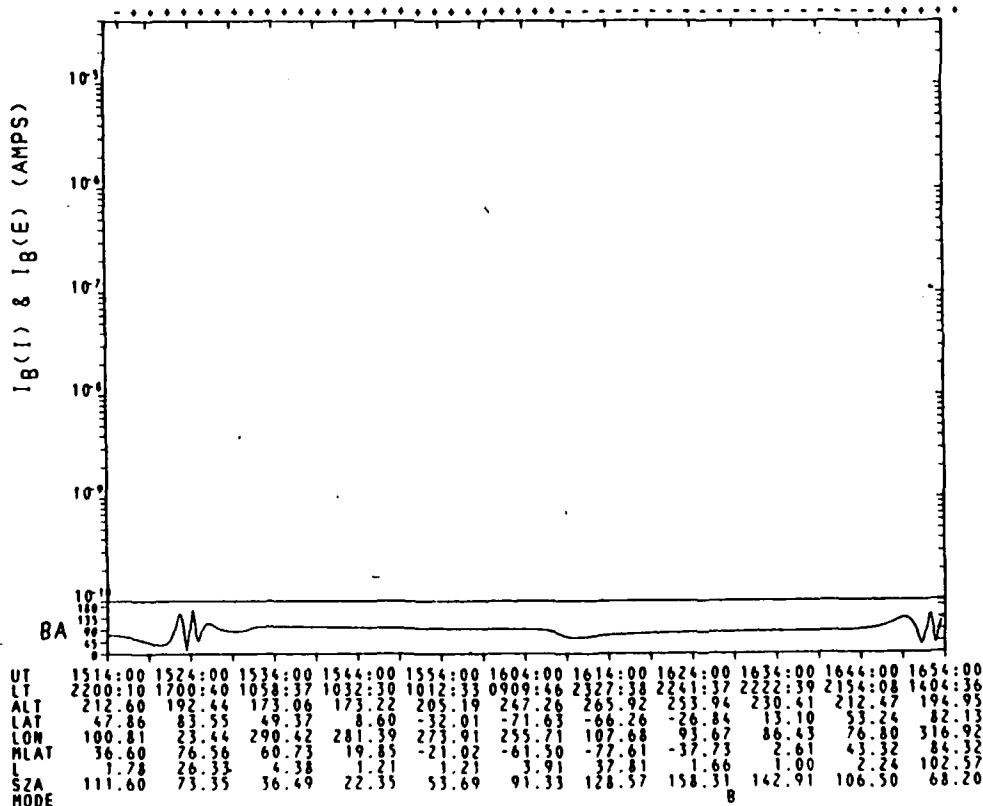
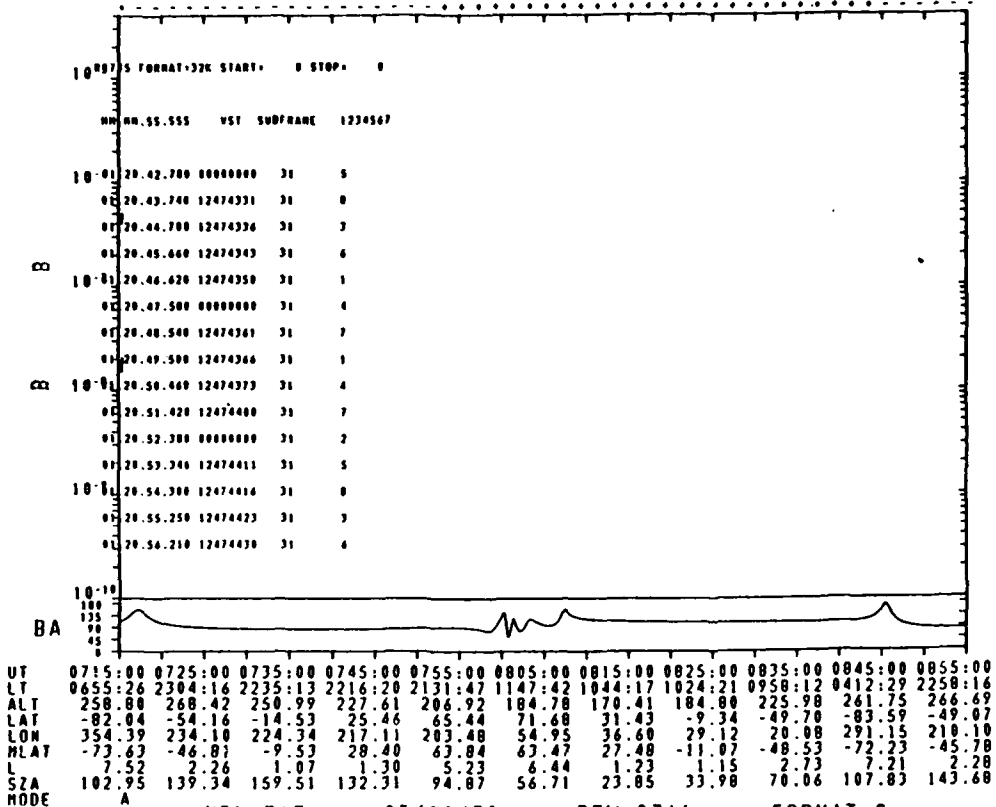
UT	2135:00	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00
LT	0621:54	2302:18	2234:15	2215:13	2127:33	1141:09	1043:00	1023:16	0956:07	0319:02	2256:23
ALT	259.20	267.22	247.71	222.61	200.74	178.56	166.11	183.58	226.77	262.19	265.15
LAT	-82.78	-52.98	-13.24	26.79	66.89	70.29	29.91	-18.89	-51.23	-83.38	-47.56
LOX	131.09	18.69	9.17	1.92	347.50	198.40	181.36	173.93	164.64	62.87	354.71
MLAT	-84.67	-51.31	-10.98	29.65	70.41	67.20	25.86	-15.57	-56.58	-81.78	-41.92
L	43.29	2.95	1.25	1.15	6.86	7.14	1.25	1.88	4.86	16.94	2.19
SZA	103.44	139.69	159.16	131.70	94.25	56.10	23.65	34.75	70.84	108.53	144.19
MODE	A										

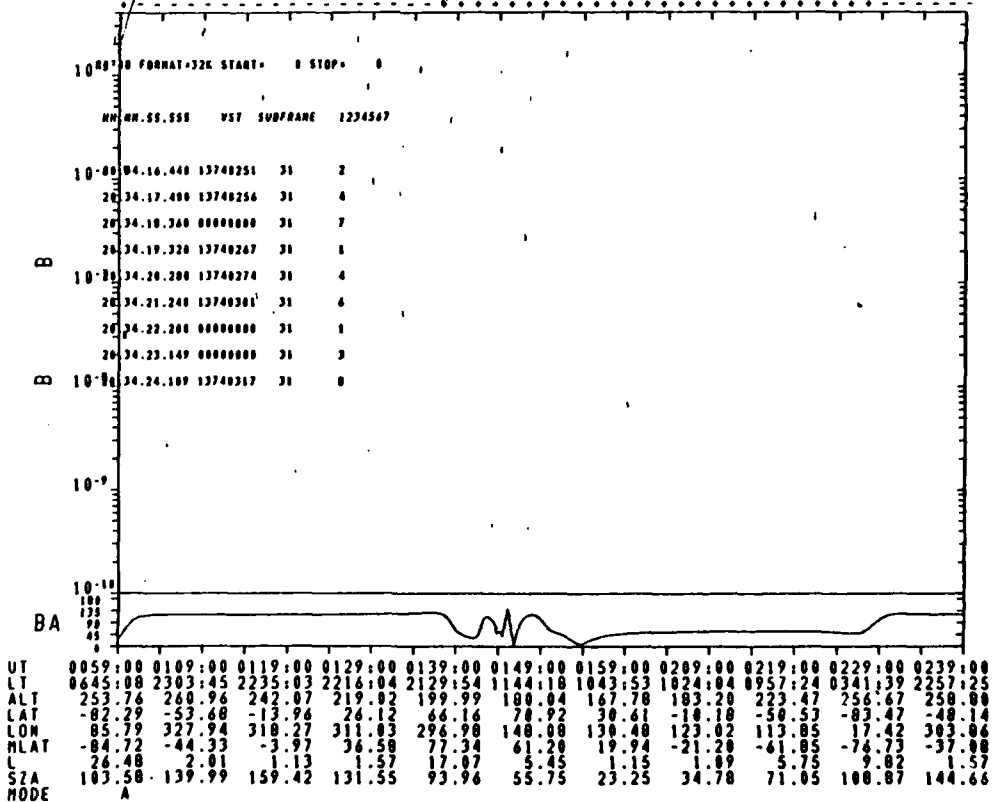
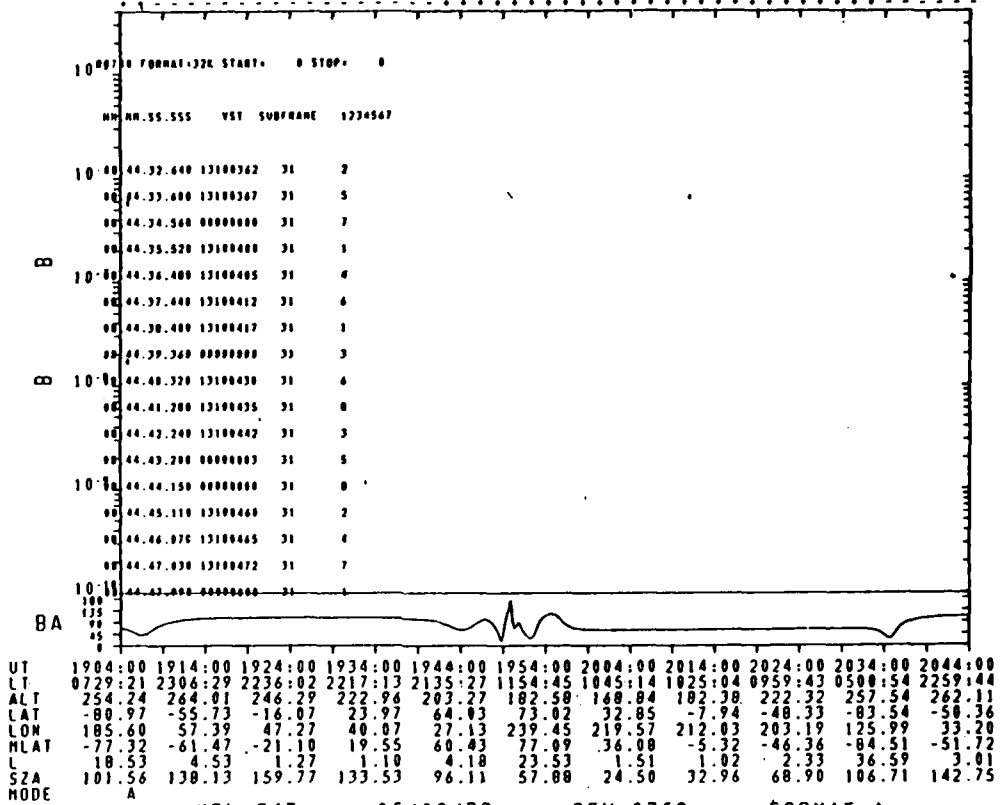


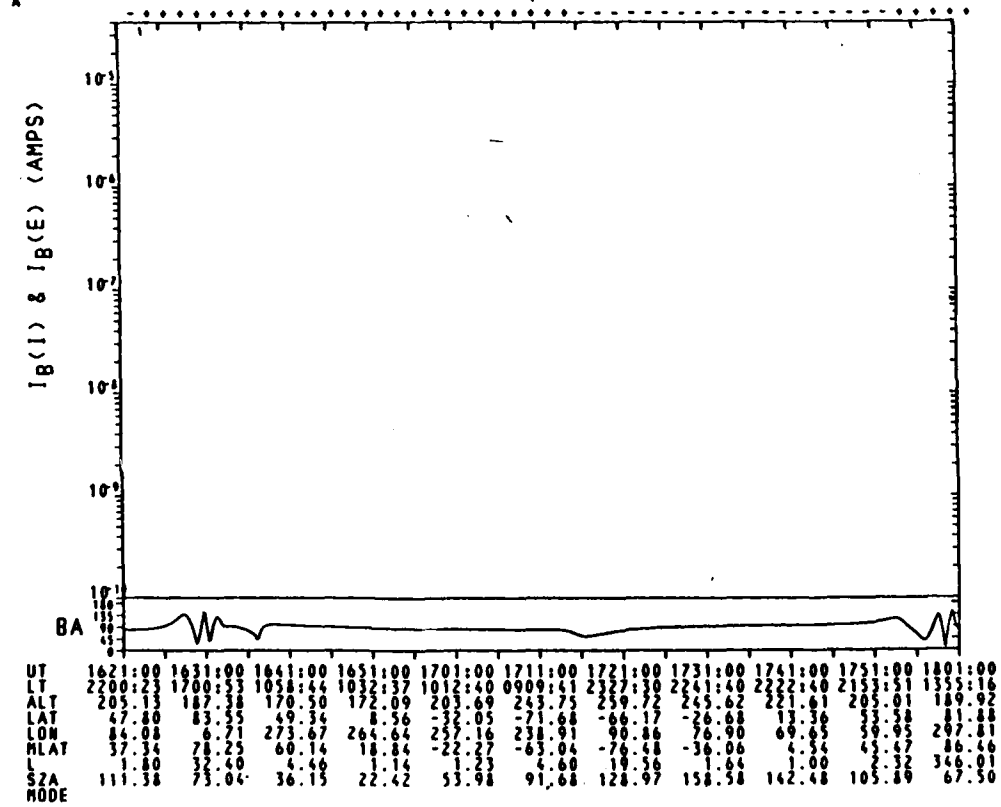
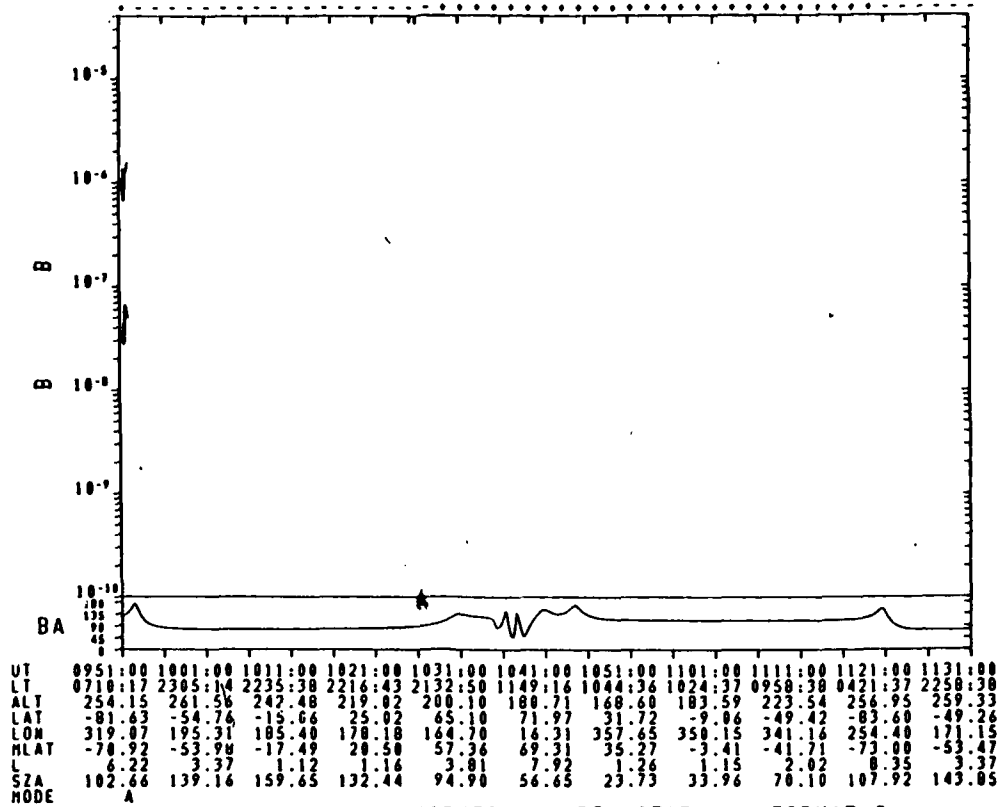


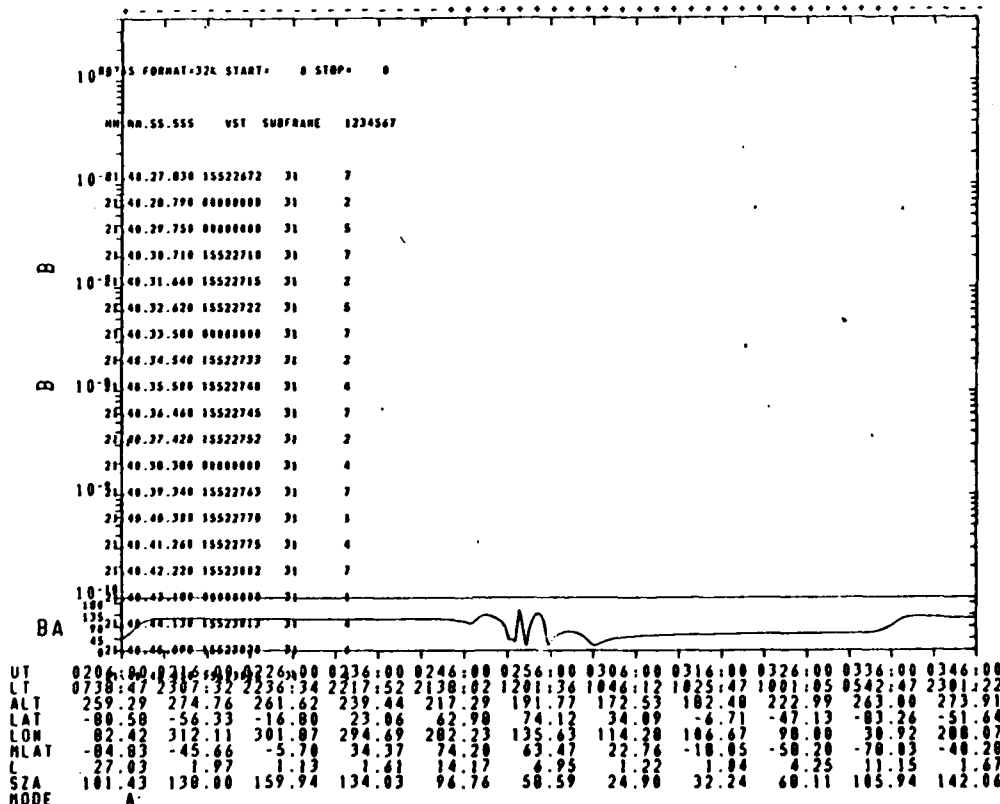
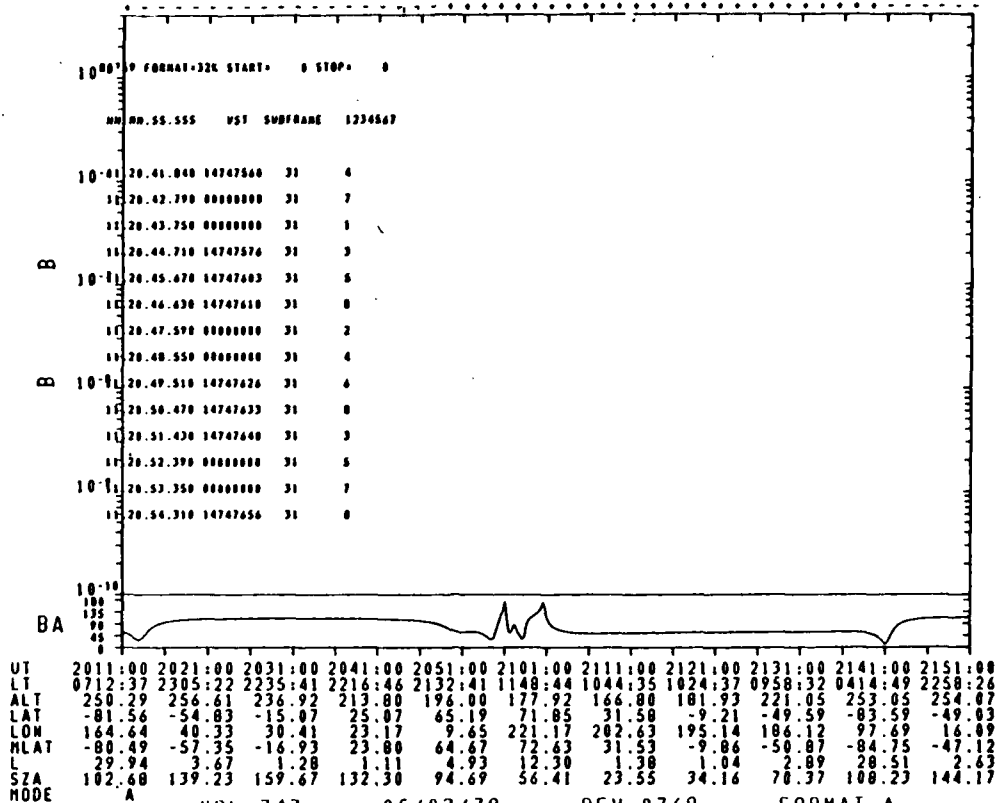


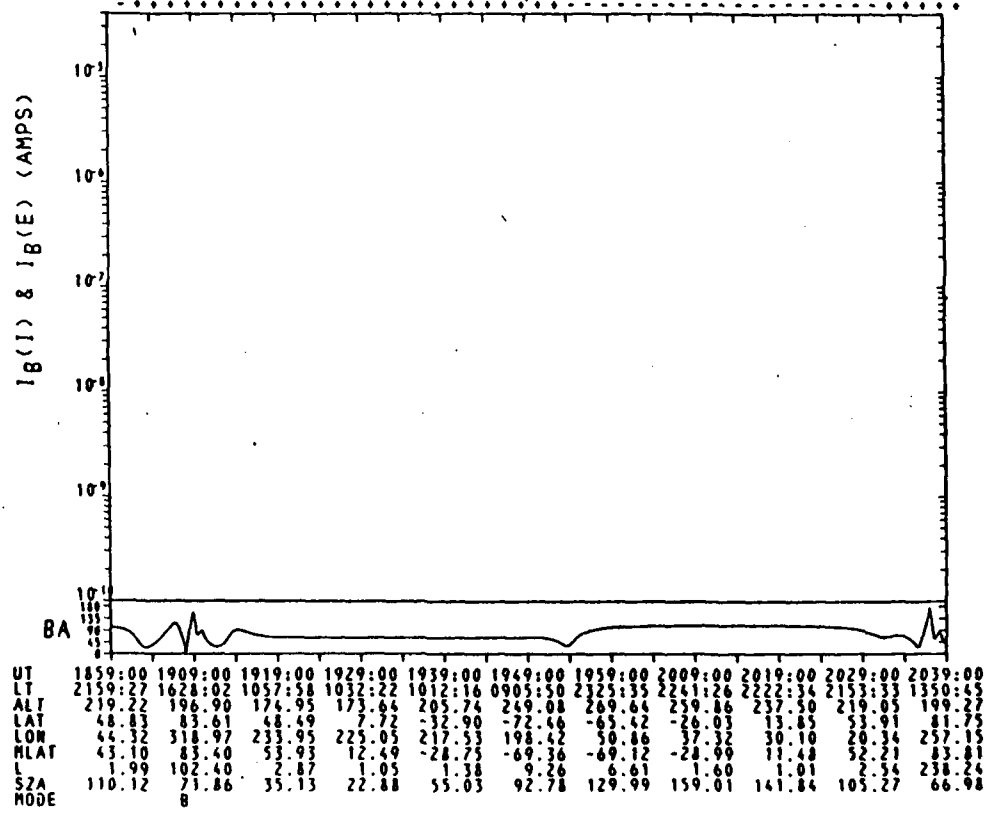
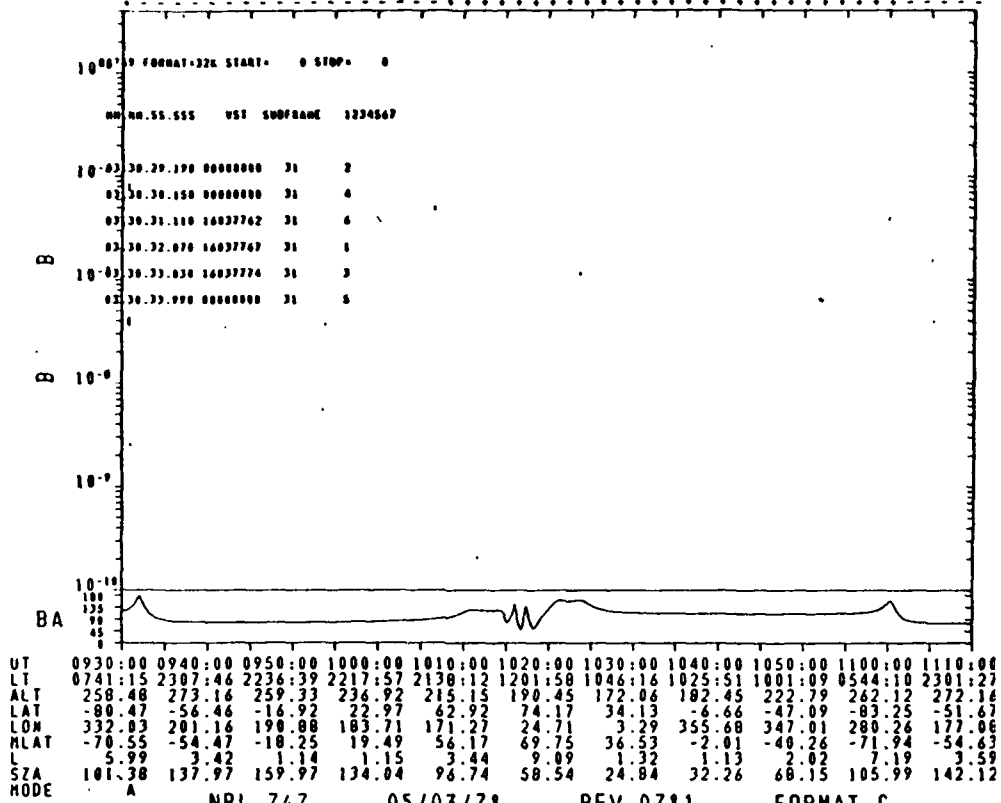


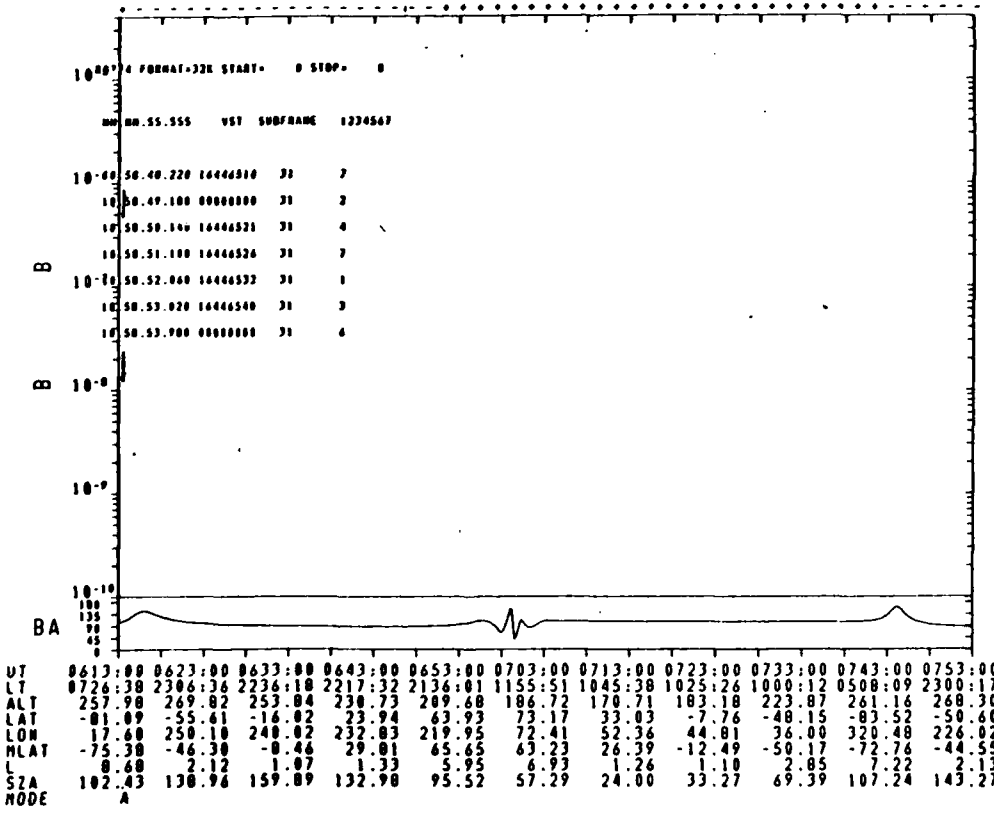
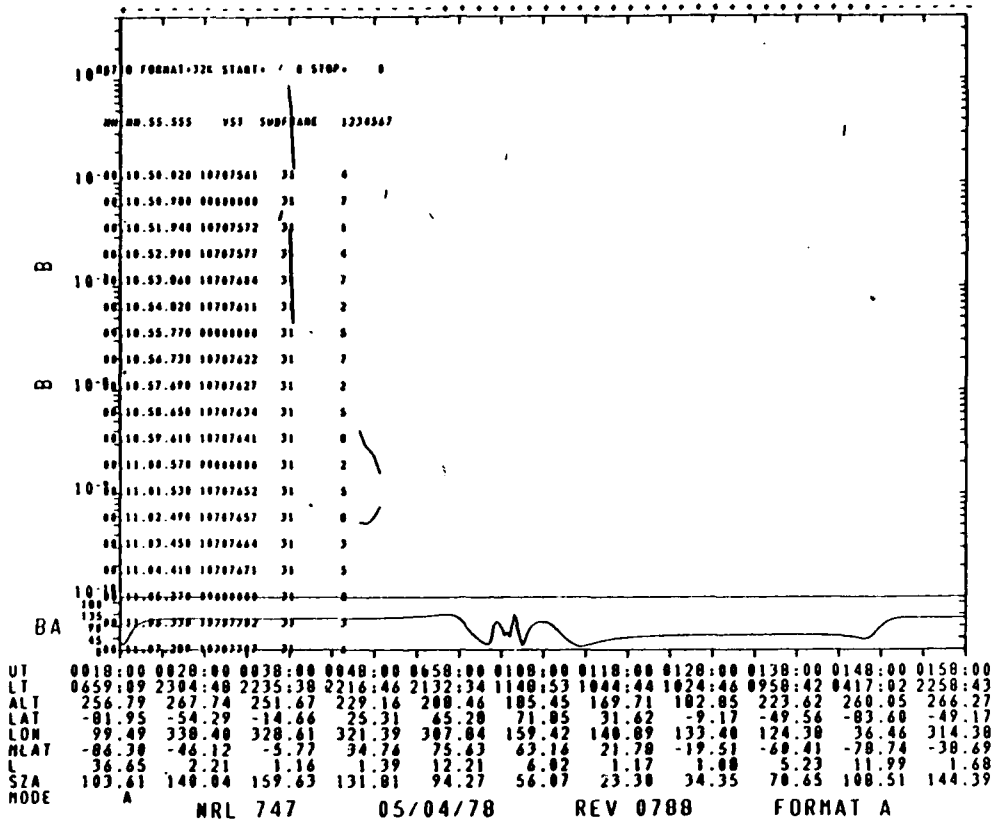


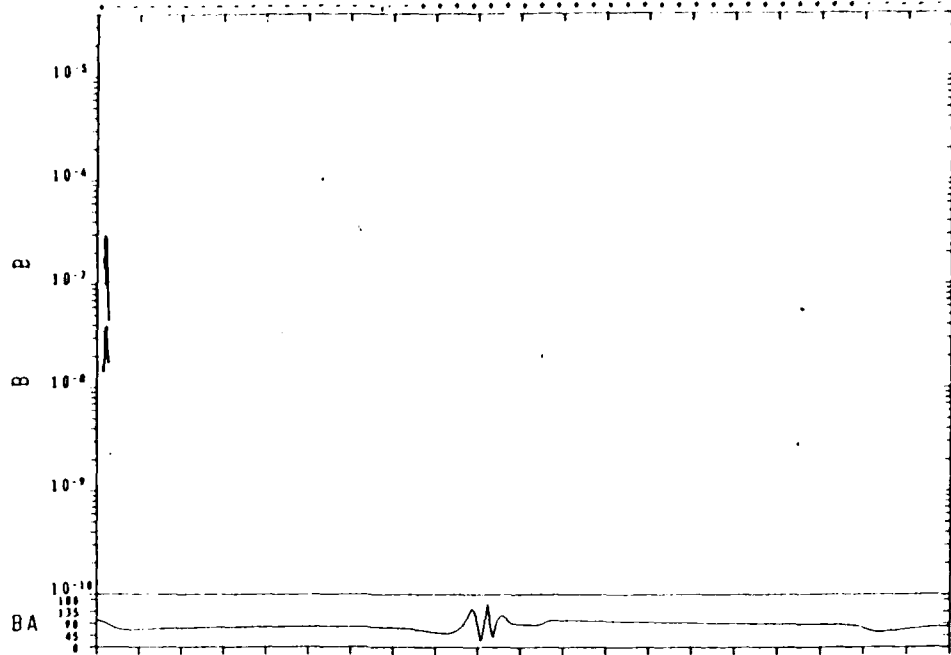




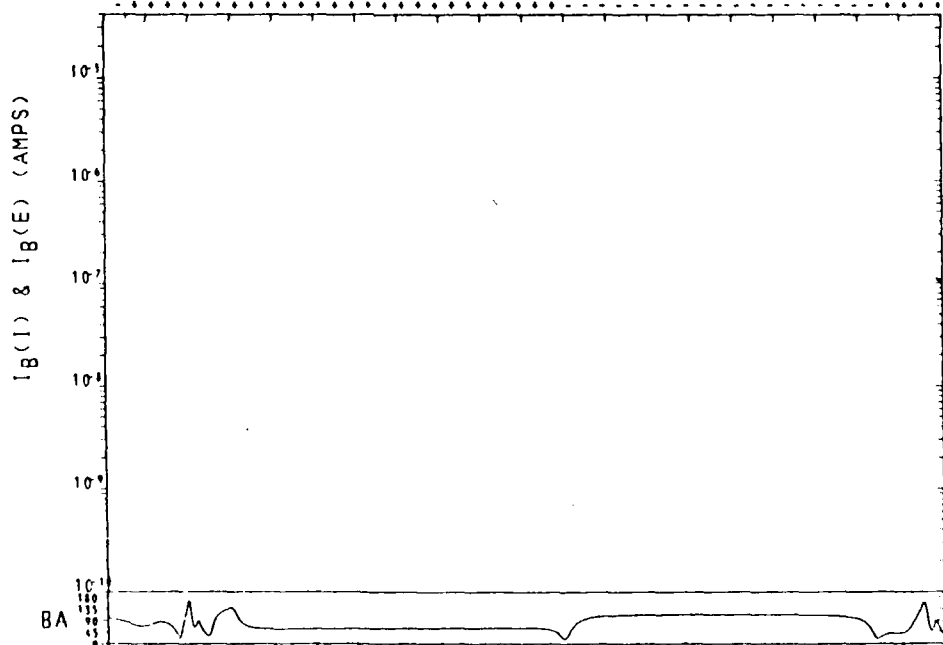




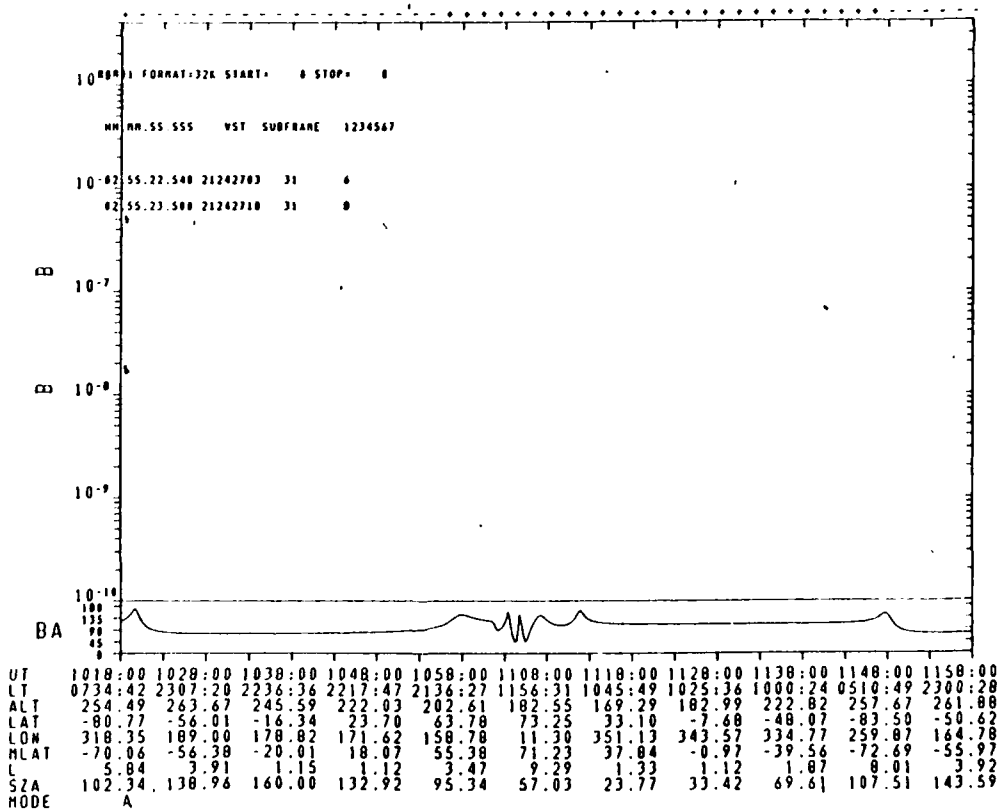
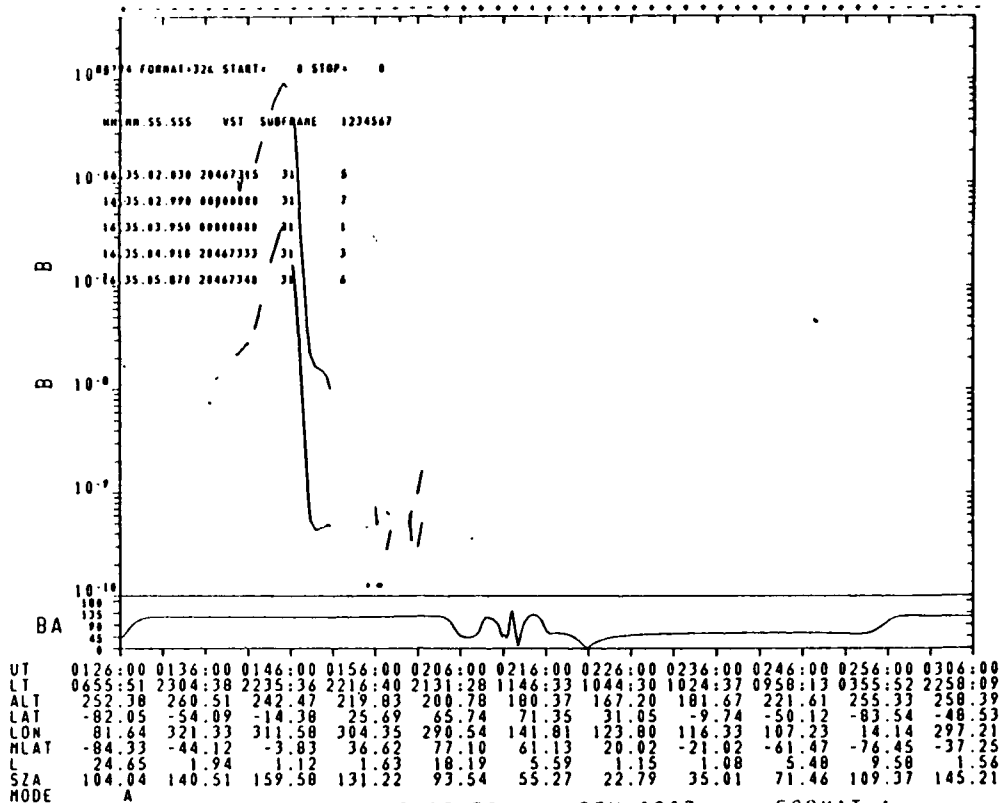


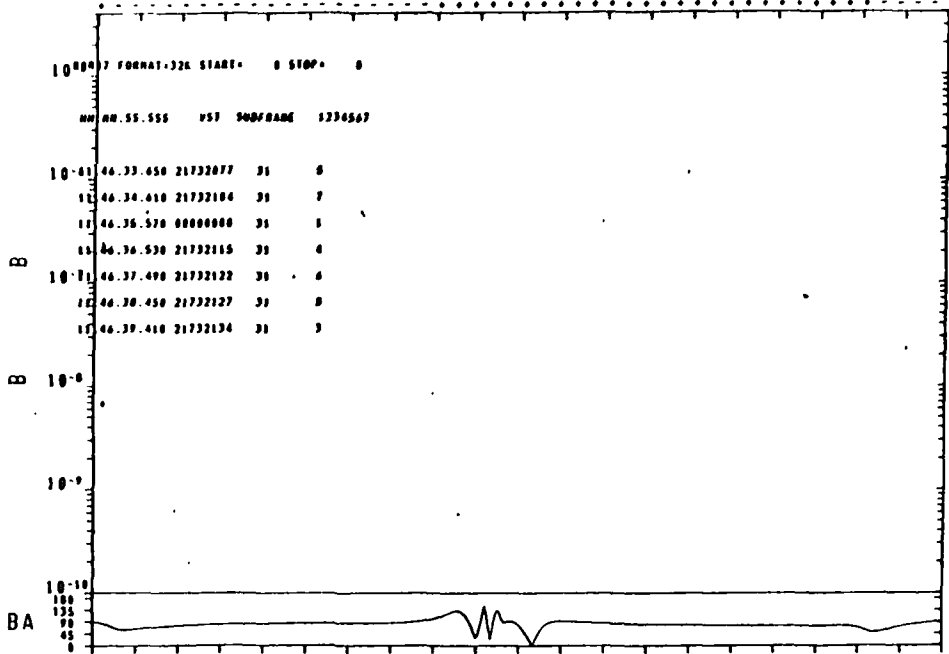


UT	1505:00	1515:00	1525:00	1535:00	1545:00	1555:00	1605:00	1615:00	1625:00	1635:00	1645:00
LT	0740:35	2307:44	2236:41	2217:56	2137:30	1159:16	1046:04	1025:45	1000:49	0527:13	2300:54
ALT	254.51	265.97	249.59	226.56	206.36	184.60	169.32	181.54	221.39	257.91	264.33
LAT	-80.52	-56.36	-16.73	23.27	63.31	73.74	33.62	-7.17	-47.58	-83.40	-51.11
LON	248.08	117.37	107.11	99.92	87.31	300.25	279.45	271.88	263.14	192.24	93.16
HLAT	-70.50	-67.56	-28.08	12.05	52.55	84.47	44.78	3.67	-37.20	-77.61	-61.86
L	7.08	10.10	1.25	1.03	3.57	51.51	2.14	1.06	1.60	16.34	5.39
SZA	101.78	138.42	160.01	133.49	96.02	57.75	24.25	32.87	68.95	106.83	142.95
MODE	A										

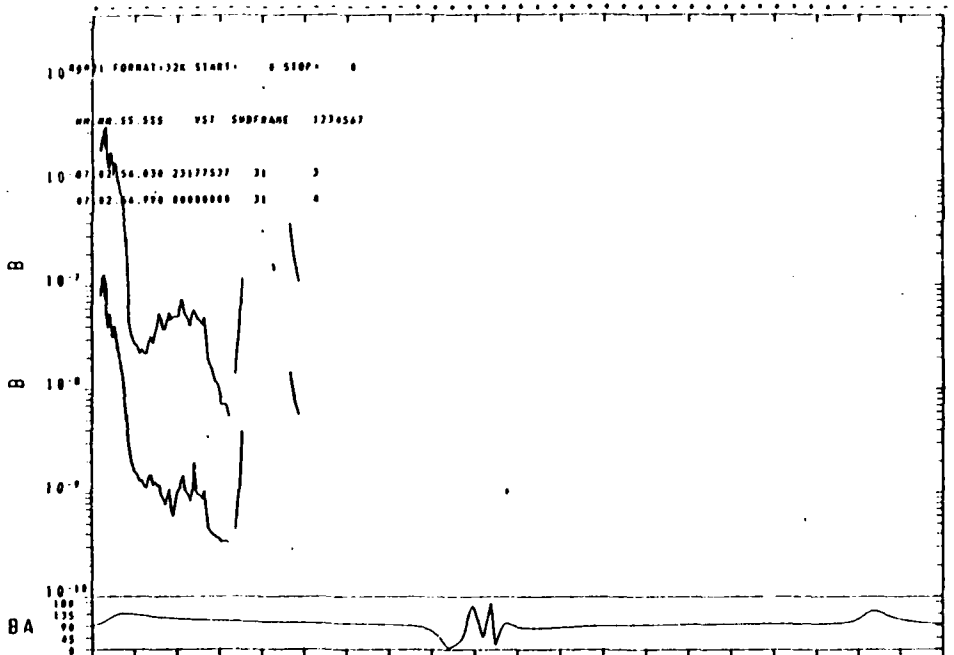


UT	2007:00	2017:00	2027:00	2037:00	2047:00	2057:00	2107:00	2117:00	2127:00	2137:00	2147:00
LT	2200:51	1711:31	1059:19	1033:01	1013:06	0911:33	2328:37	2242:07	2223:07	2154:44	1409:00
ALT	211.74	191.85	172.22	171.74	203.04	244.80	263.64	252.13	229.03	211.44	192.09
LAT	47.56	83.50	49.66	8.88	-31.75	-71.40	-96.47	-27.04	12.92	53.07	82.23
LON	27.65	312.81	217.26	208.19	200.71	182.74	34.59	20.46	13.21	3.62	242.68
HLAT	44.78	84.02	51.85	10.44	-30.80	-71.30	-66.83	-26.68	13.87	54.67	82.03
L	1.96	130.42	2.55	1.04	1.43	12.87	5.45	1.64	1.02	2.60	109.35
SZA	111.03	72.70	35.80	22.39	54.24	92.01	129.32	158.87	142.41	105.79	67.42
MODE	C										

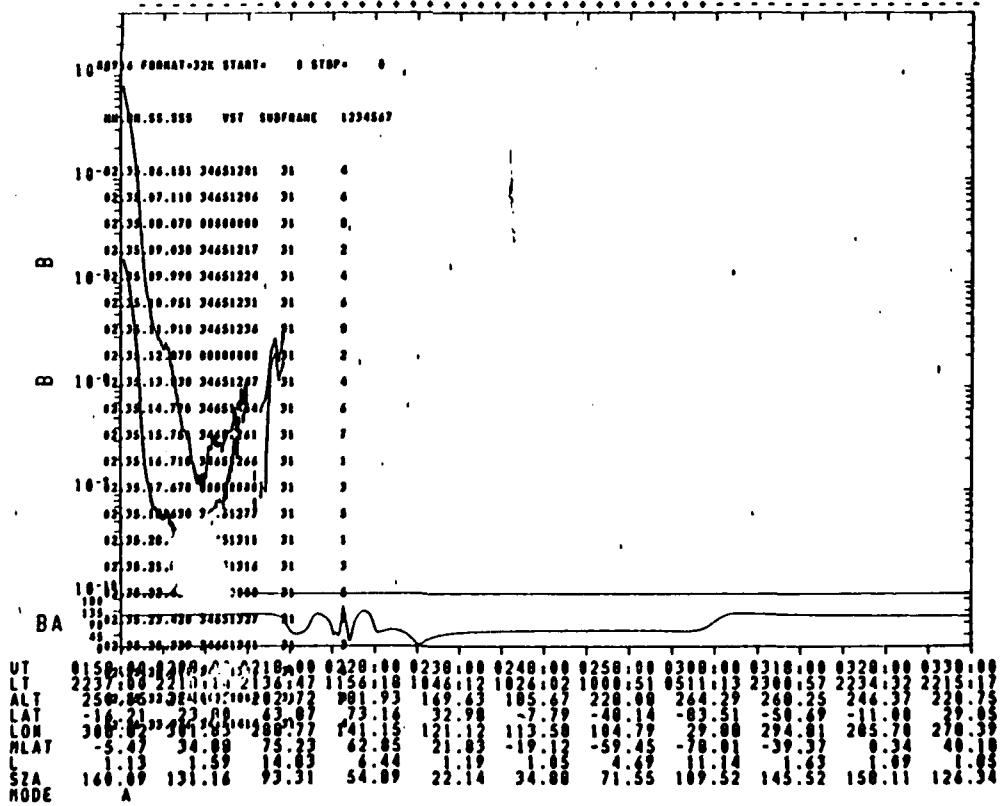
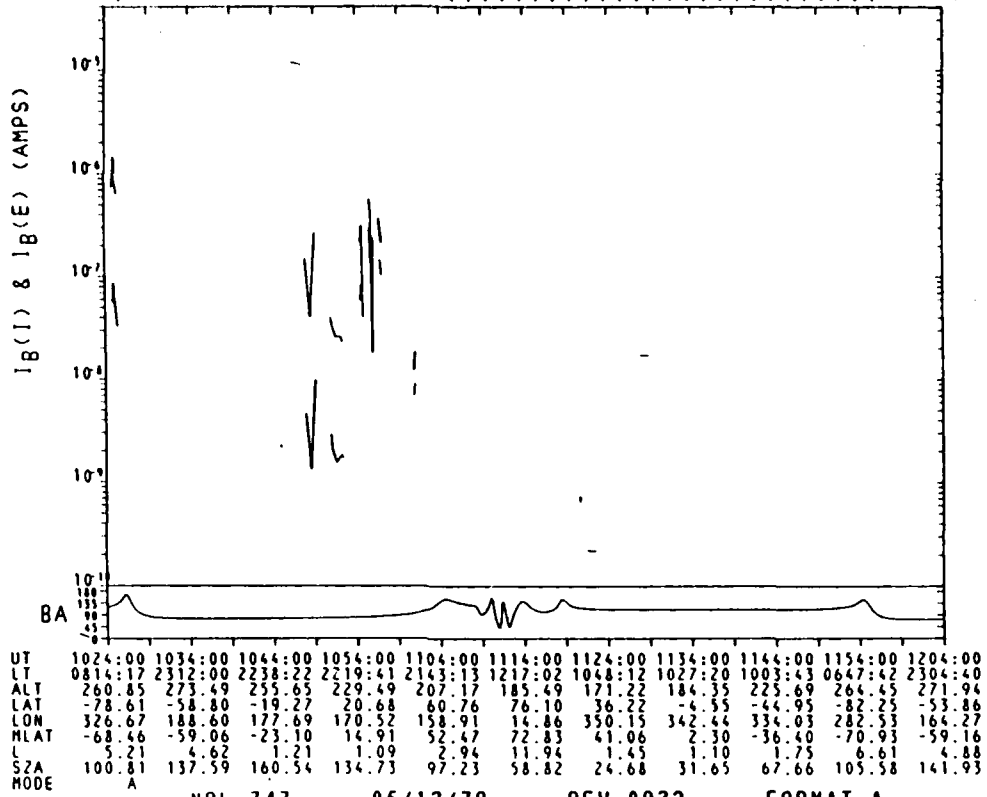


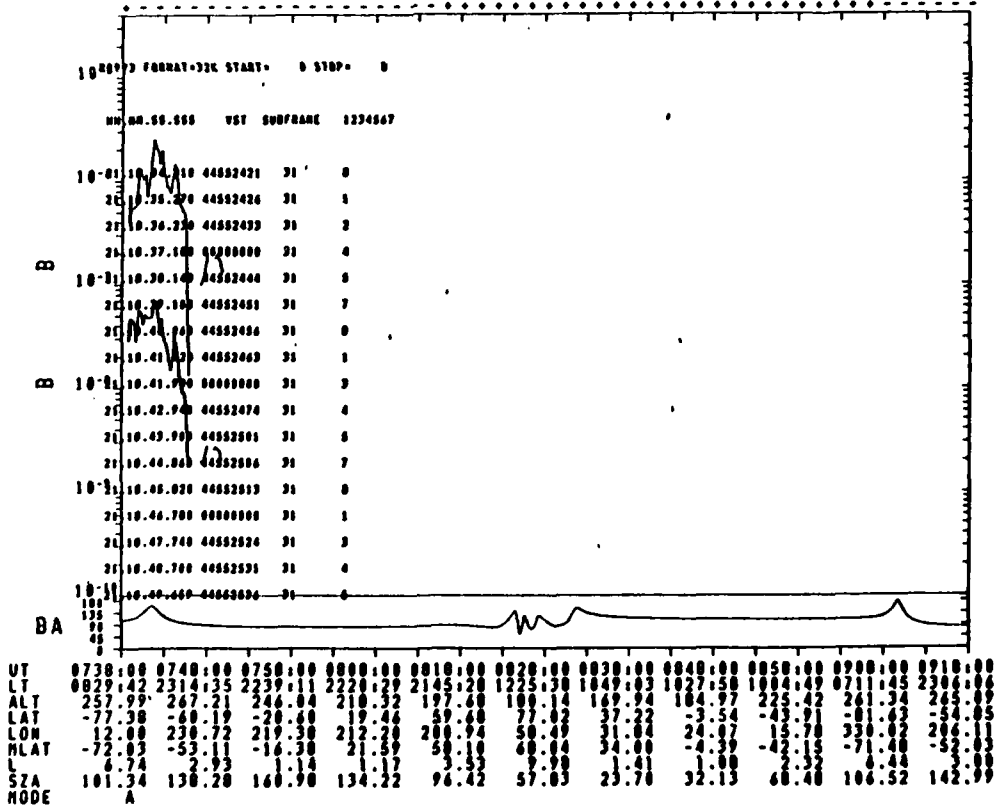
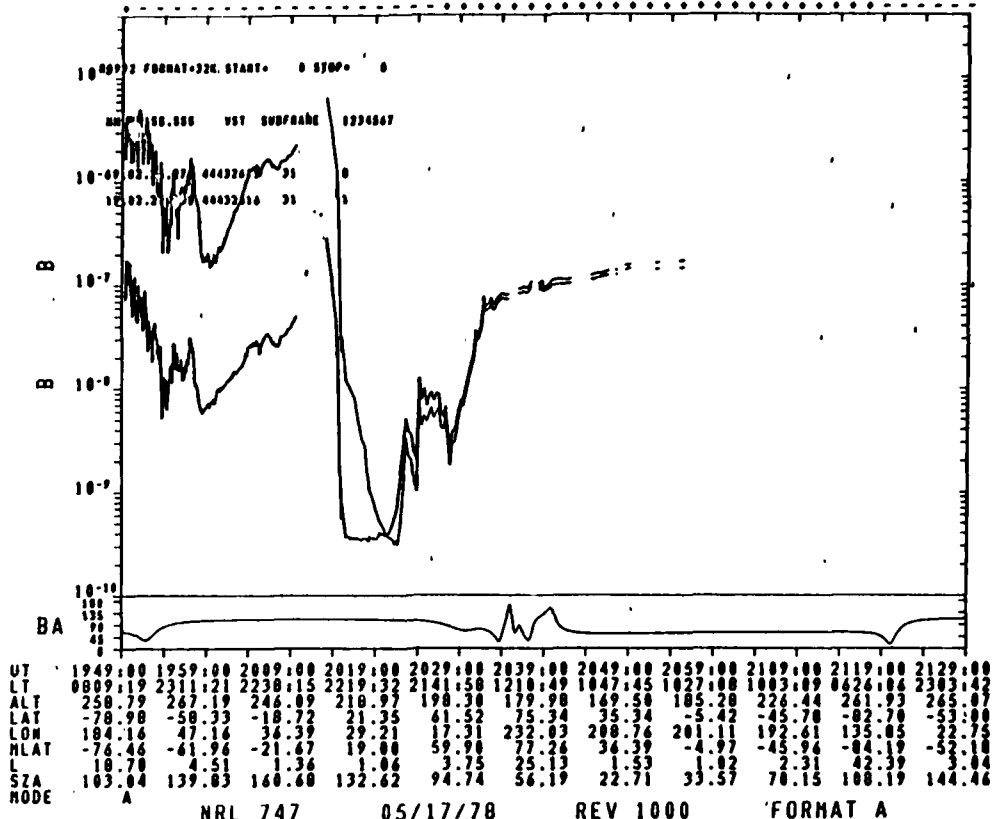


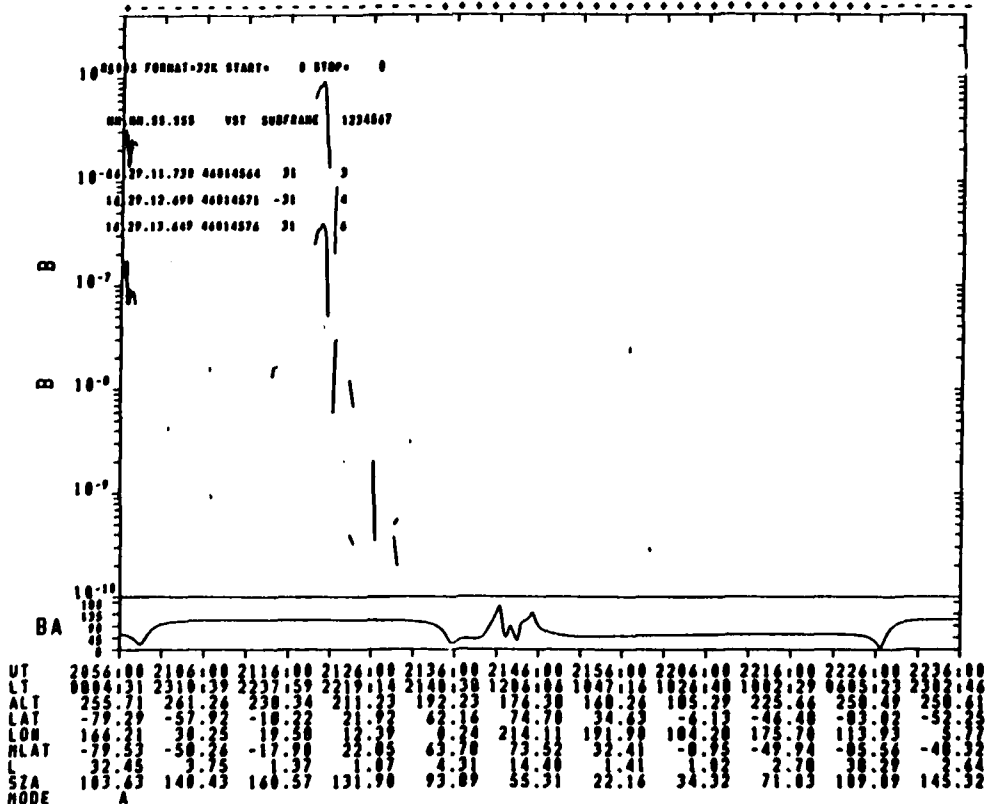
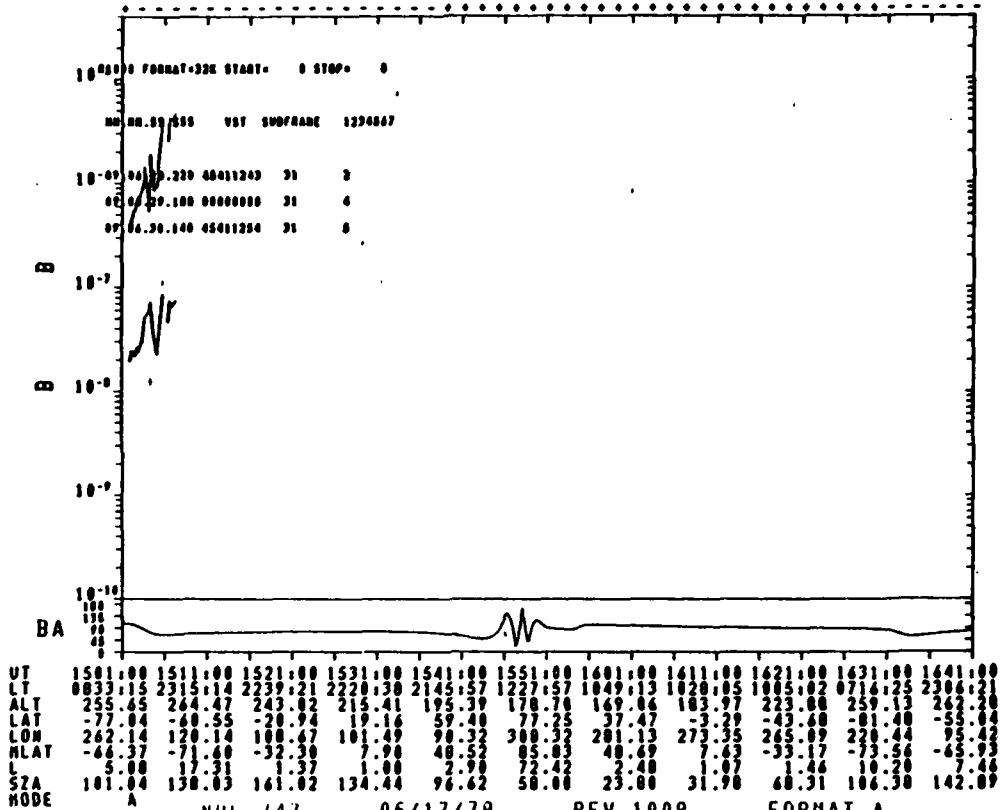
UT	1612:00	1622:00	1632:00	1642:00	1652:00	1702:00	1712:00	1722:00	1732:00	1742:00	1752:00
LT	0804:17	2310:15	2237:34	2218:50	2140:30	1207:56	1047:05	1026:30	1002:17	0612:04	2302:32
ALT	252.00	261.93	244.40	220.72	201.62	182.31	168.74	181.34	223.89	263.02	268.45
LAT	-79.26	-57.92	-18.26	21.00	61.92	75.00	34.99	5.79	-46.20	-82.92	-52.51
LON	237.24	101.23	90.56	83.37	71.32	285.65	262.93	255.29	246.73	186.68	76.80
MLAT	-70.17	-69.11	-20.96	11.52	52.37	86.27	44.97	3.63	-37.40	-78.03	-61.52
L	7.29	10.52	1.31	1.01	3.30	130.05	2.00	1.03	1.66	17.99	4.89
SZA	100.55	137.34	160.23	134.56	97.00	58.72	24.80	31.98	67.91	105.80	142.05
MODE	A										

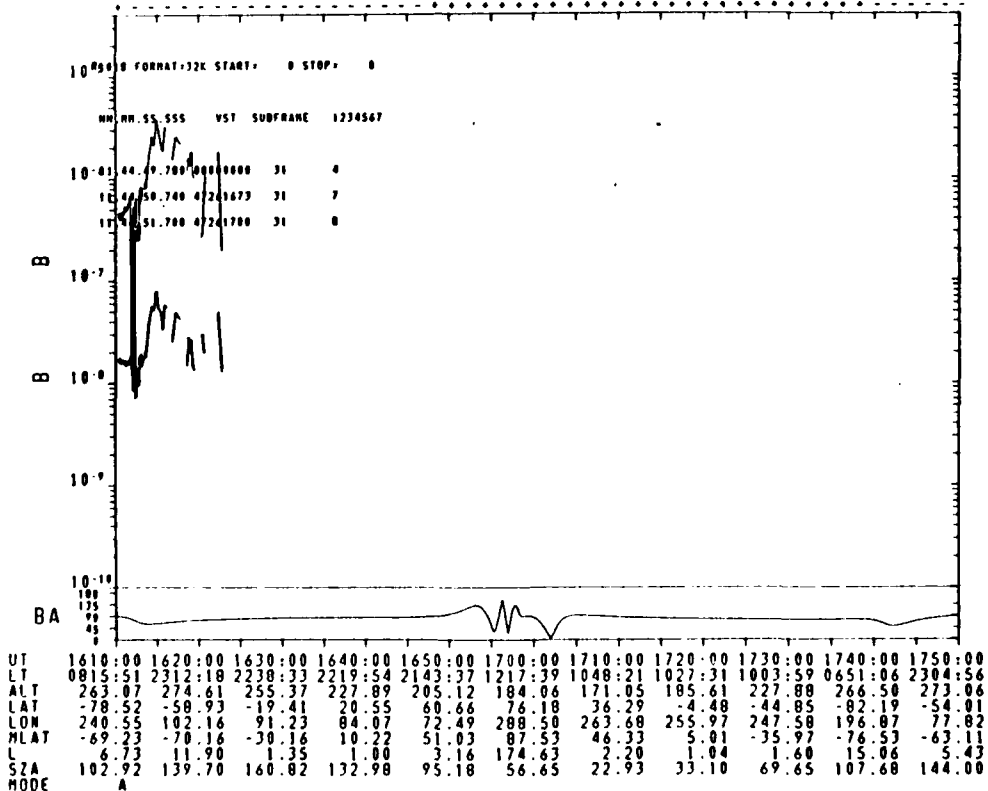
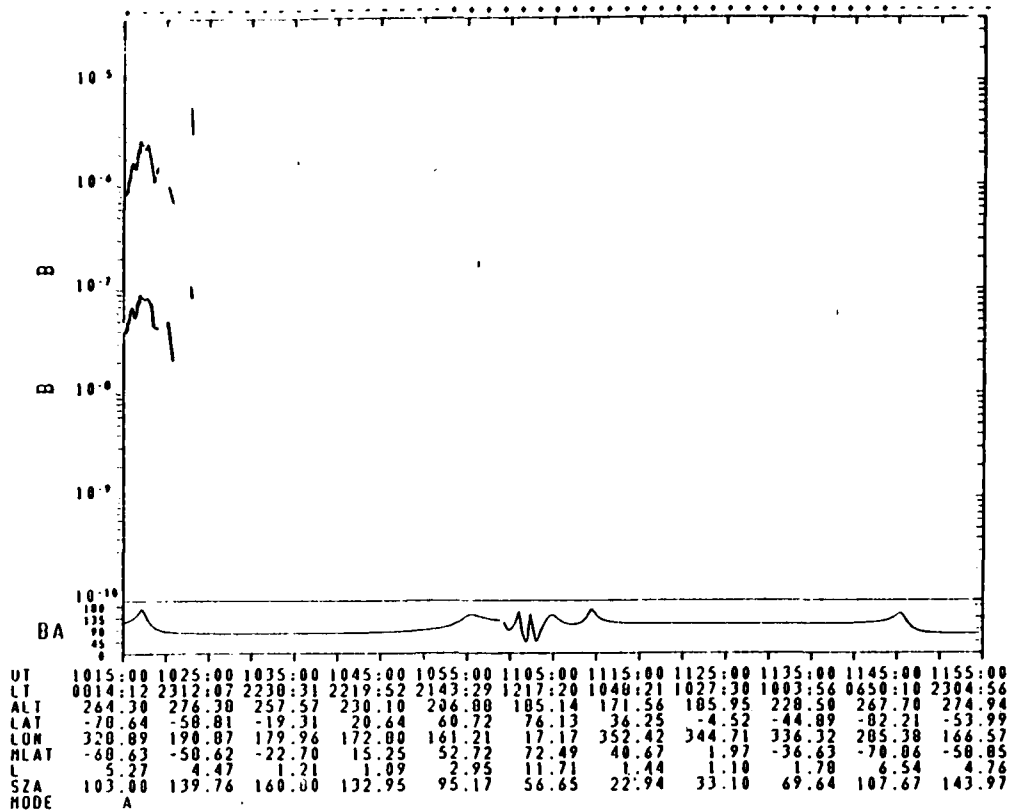


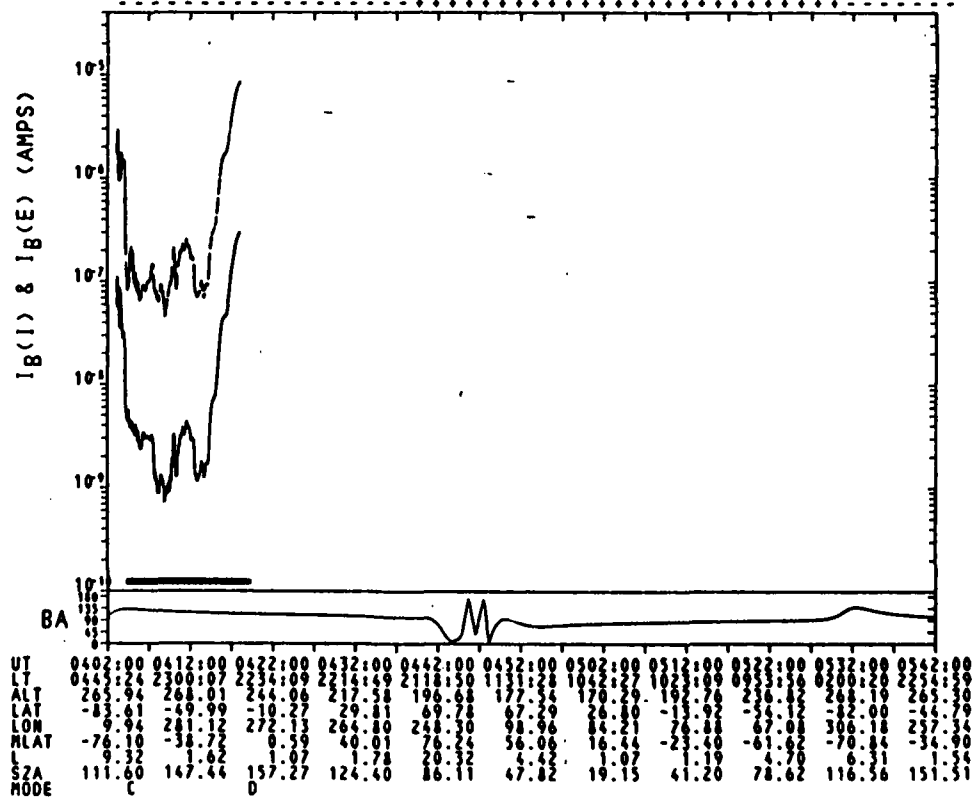
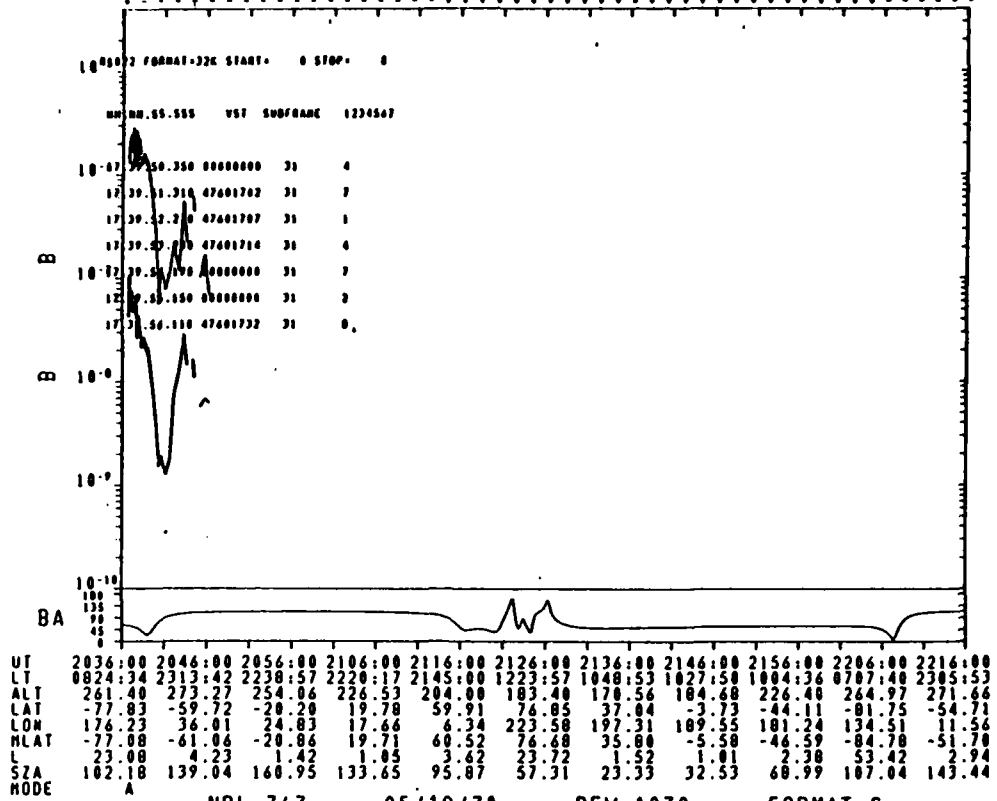
UT	0450:00	0500:00	0510:00	0520:00	0530:00	0540:00	0550:00	0600:00	0610:00	0620:00	0630:00
LT	0755:32	2309:20	2237:20	2210:42	2139:25	1203:25	1046:47	1026:22	1001:50	0551:30	2302:04
ALT	255.71	263.92	243.44	217.74	197.77	179.50	160.71	184.01	224.45	259.07	261.74
LAT	-79.79	-57.30	-17.44	22.44	62.60	74.34	34.24	-6.53	-44.90	-83.10	-51.83
LON	45.50	271.49	248.90	253.79	241.47	94.97	73.32	45.71	57.00	351.99	247.13
MLAT	-70.60	-46.34	-7.50	31.49	60.62	63.19	24.04	-14.64	-52.95	-74.31	-42.89
L	11.91	2.00	1.00	1.39	0.00	7.30	1.24	1.04	3.00	7.99	1.93
SZA	101.07	130.59	160.30	133.43	95.76	57.34	23.79	33.00	69.20	107.13	143.33
MODE	A										

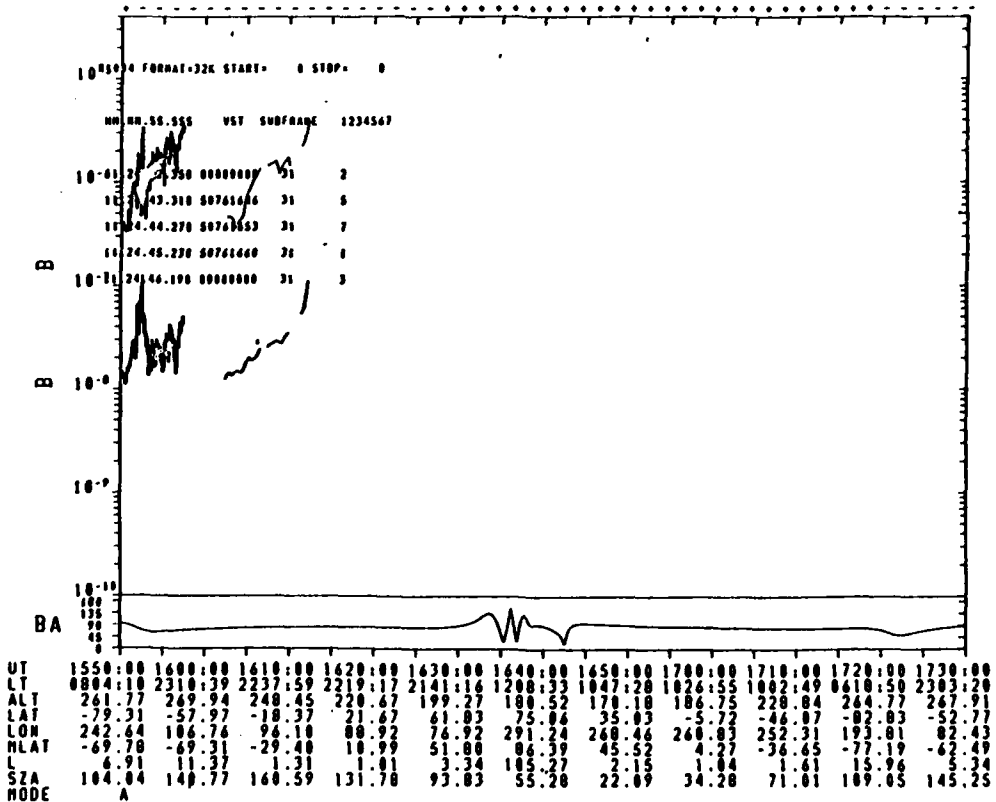
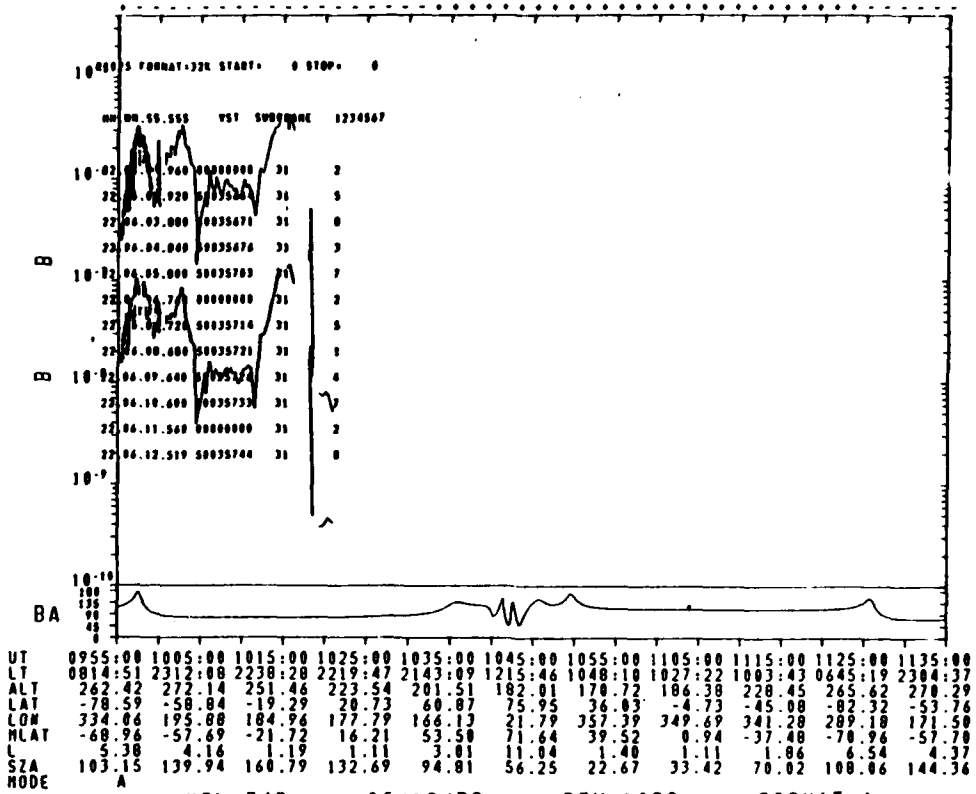


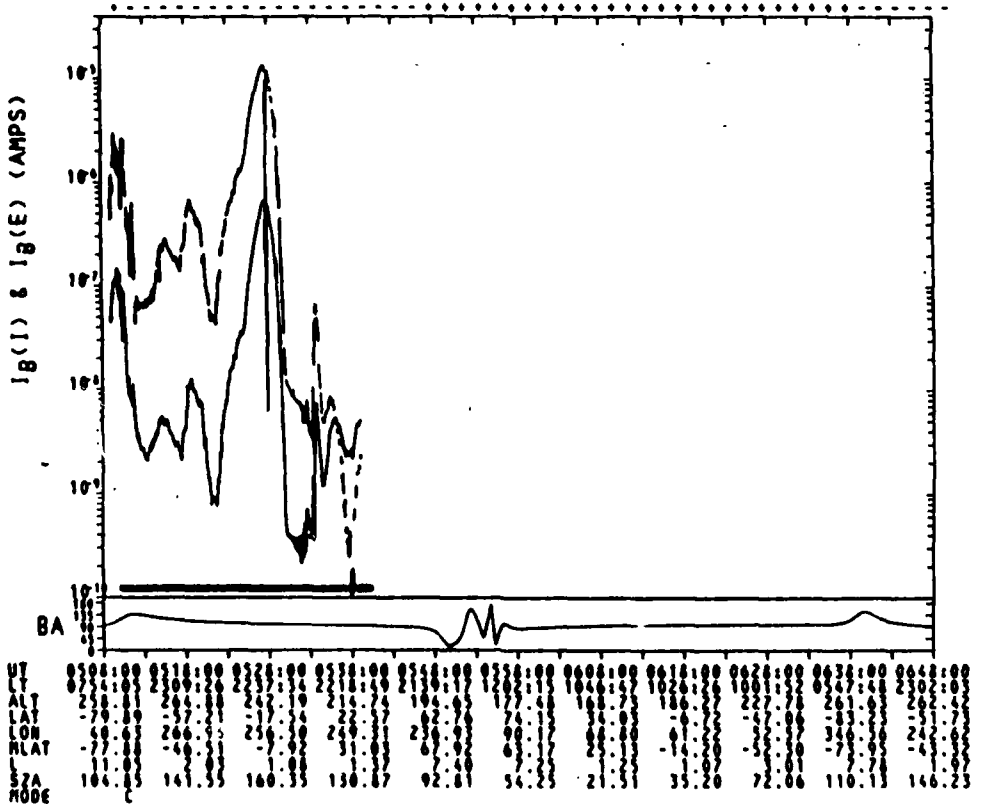
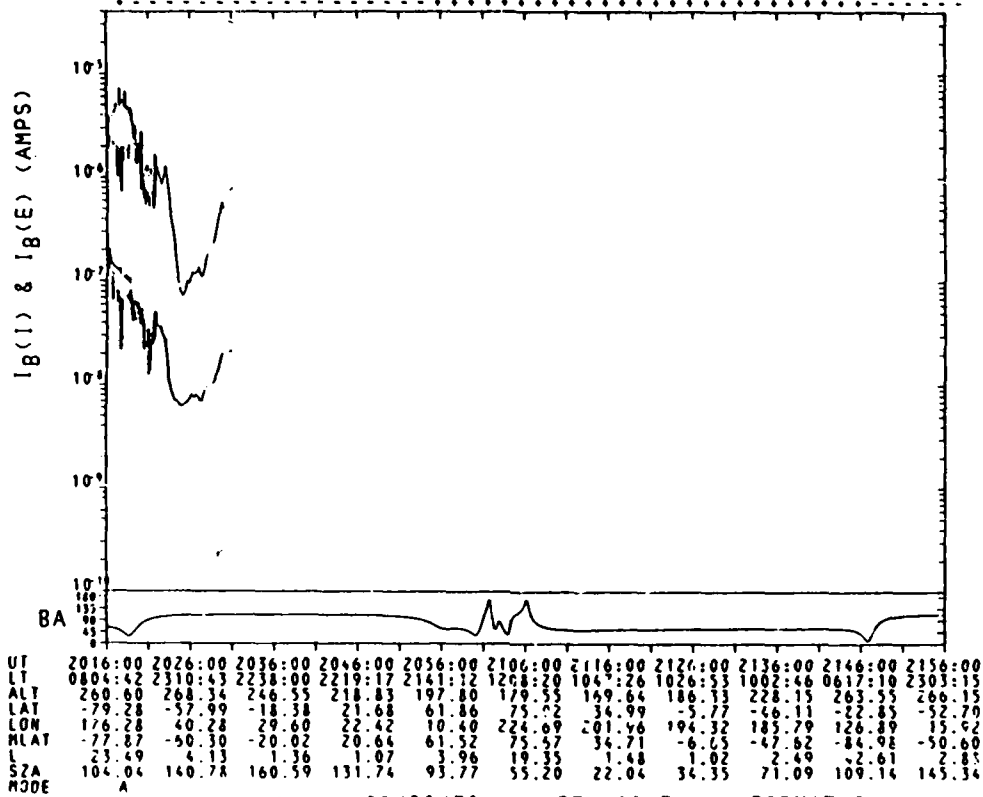


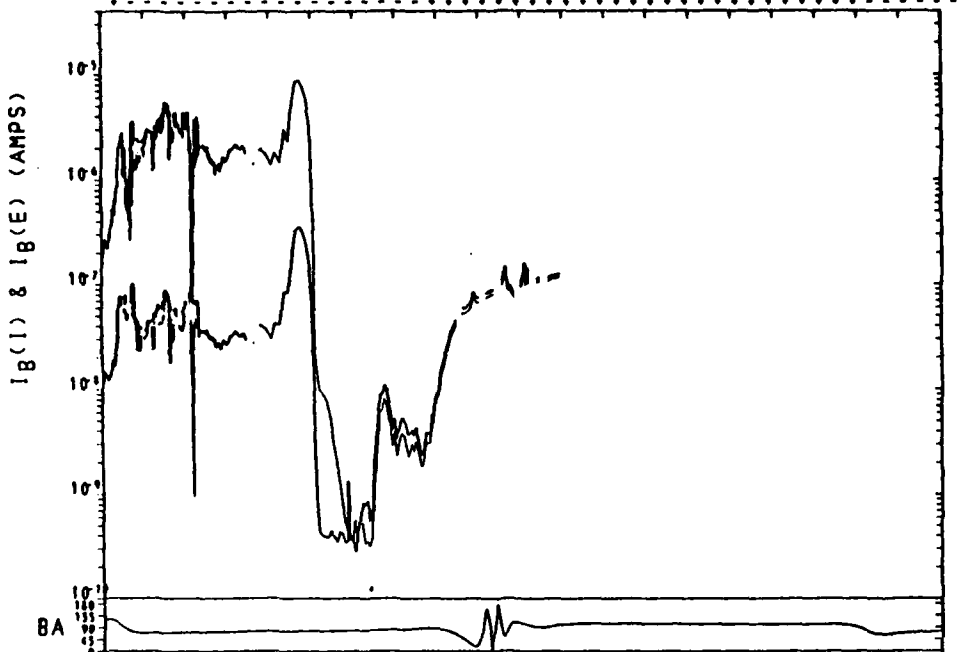




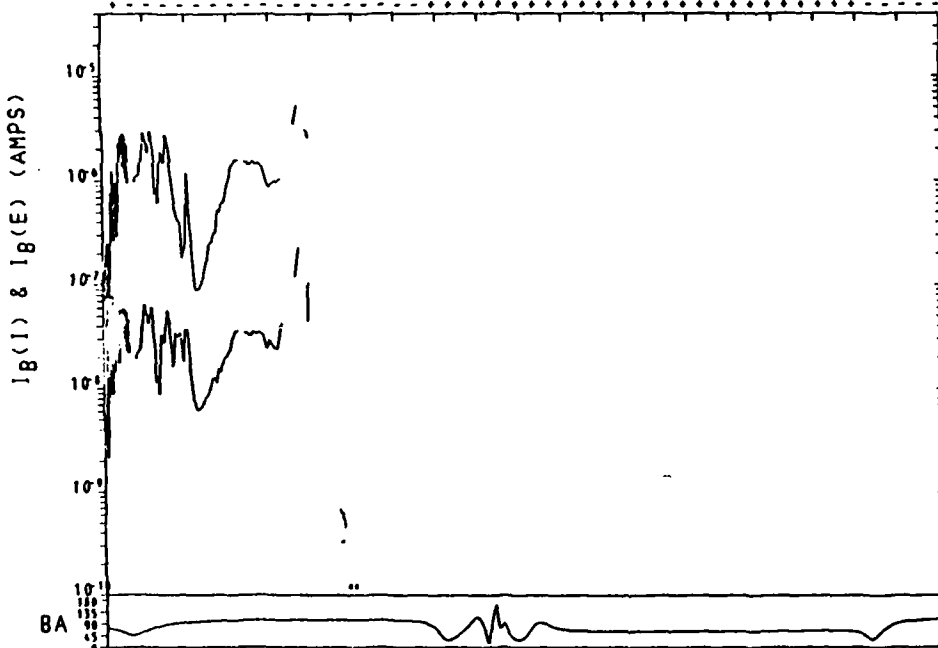




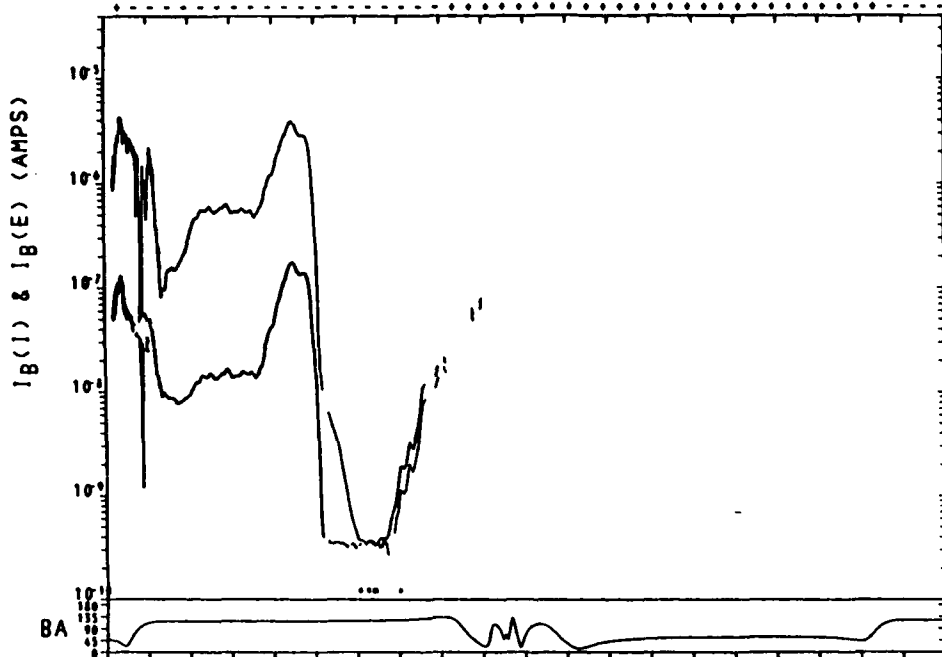




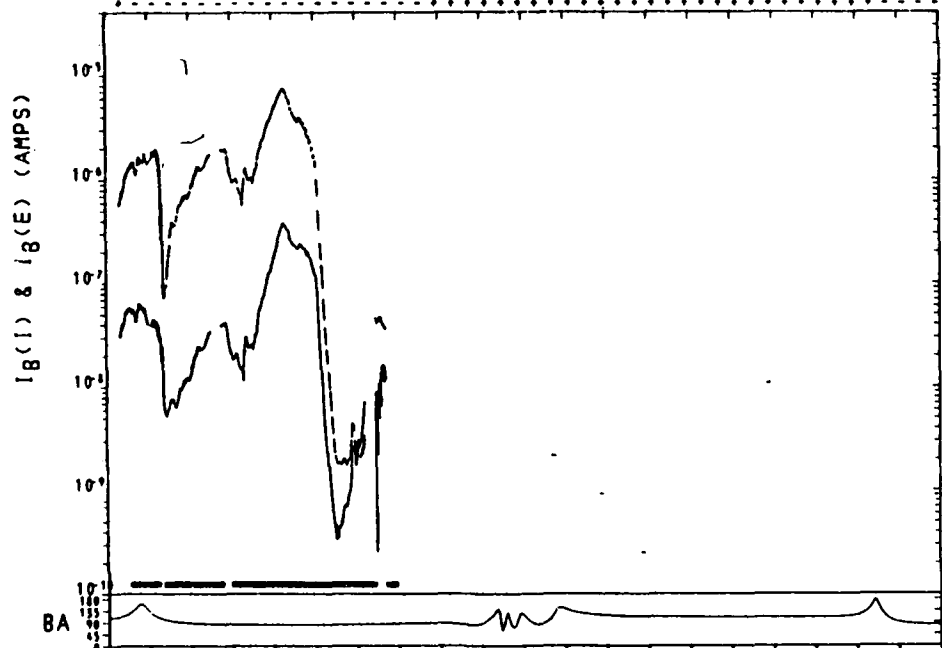
UT	1400:00	1410:00	1420:00	1430:00	1440:00	1450:00	1500:00	1510:00	1520:00	1530:00	1540:00
LT	0810:30	2311:26	2238:10	2219:26	2141:50	1210:25	1047:36	1027:00	1003:03	0626:23	2303:35
ALT	259.35	265.79	242.92	214.90	194.75	178.14	169.64	186.80	228.05	262.23	263.43
LAT	-78.90	-58.46	-18.80	21.31	61.53	75.31	35.30	-5.45	-45.79	-82.70	-53.01
LOW	271.73	136.46	123.65	116.47	106.57	319.22	296.01	288.36	279.87	223.21	110.01
MLAT	-67.80	-68.24	-29.78	10.03	50.20	82.61	46.57	5.91	-34.56	-74.23	-64.37
L	5.42	11.68	1.29	1.02	3.17	32.47	2.22	1.11	1.48	10.47	7.08
SZA	103.75	140.54	160.68	131.94	93.93	55.34	22.09	34.20	70.93	108.99	145.23
MODE	A										



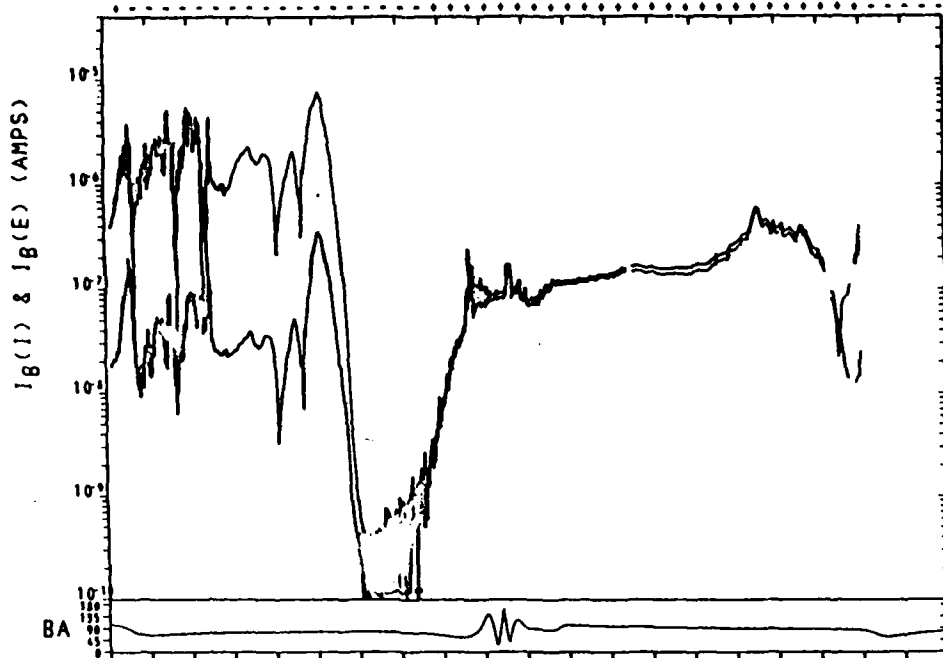
UT	1826:00	1836:00	1846:00	1856:00	1906:00	1916:00	1926:00	1936:00	1946:00	1956:00	2006:00
LT	0802:09	2310:18	2237:49	2219:04	2140:21	1205:23	1047:05	1026:39	1002:20	0604:24	2302:39
ALT	258.62	263.92	240.52	212.71	193.08	177.01	169.17	186.62	227.90	261.26	261.33
LAT	-79.43	-57.77	-18.10	22.03	62.25	74.62	34.54	-6.21	-46.53	-83.04	-52.55
LOW	203.15	67.69	57.07	49.48	37.70	251.46	229.39	221.78	213.20	151.21	43.28
MLAT	-74.03	-65.71	-24.78	15.96	57.02	80.58	39.57	-1.80	-42.78	-82.29	-55.49
L	12.29	5.80	1.31	1.06	3.65	48.24	1.66	1.02	2.03	33.26	3.43
SZA	104.42	141.16	160.50	131.26	93.19	54.60	21.68	34.86	71.68	109.74	145.91
MODE	A										



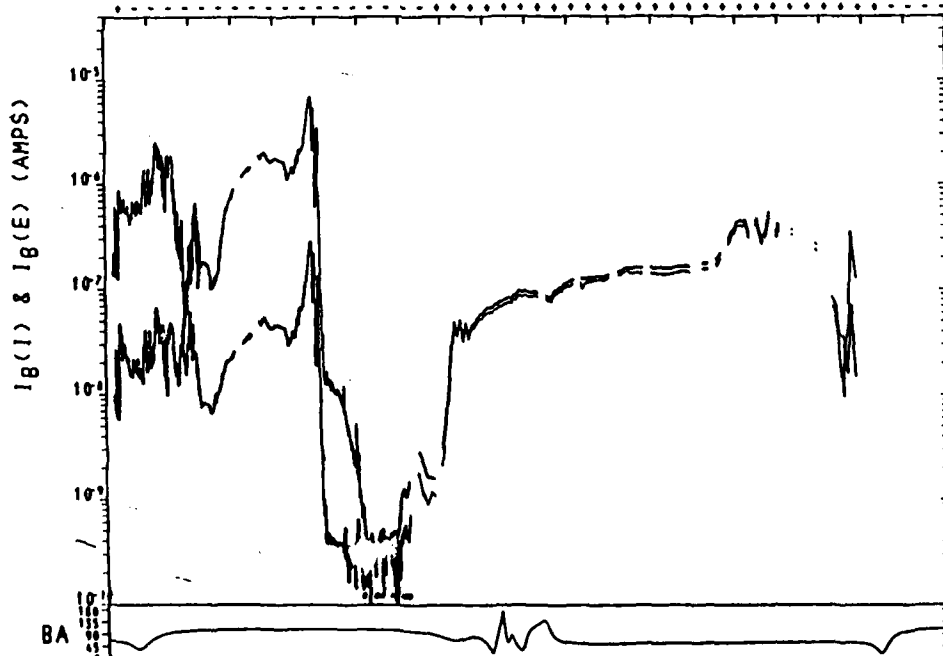
UT	0020:00	0030:00	0040:00	0050:00	0100:00	0110:00	0120:00	0130:00	0140:00	0150:00	0200:00
LT	0841:55	2317:22	2239:55	2221:16	2148:34	1246:26	1050:24	1028:45	1006:22	0748:38	2309:00
ALT	263.74	278.74	260.89	232.52	208.26	186.13	171.72	184.37	226.44	267.76	277.58
LAT	-76.10	-61.69	-22.27	17.64	57.75	78.76	39.28	-1.49	-41.90	-40.17	-56.95
LOW	124.60	340.96	329.10	321.93	311.26	173.23	141.72	133.80	125.71	88.77	316.37
MLAT	-85.83	-53.62	-13.38	27.08	67.92	70.86	29.46	-11.82	-52.70	-85.94	-46.36
L	738.73	2.75	1.24	1.22	5.93	12.73	1.36	1.00	3.10	33.29	2.04
SZA	100.76	137.72	161.22	135.18	97.52	58.94	24.34	31.07	67.32	105.37	141.94
MODE	A										



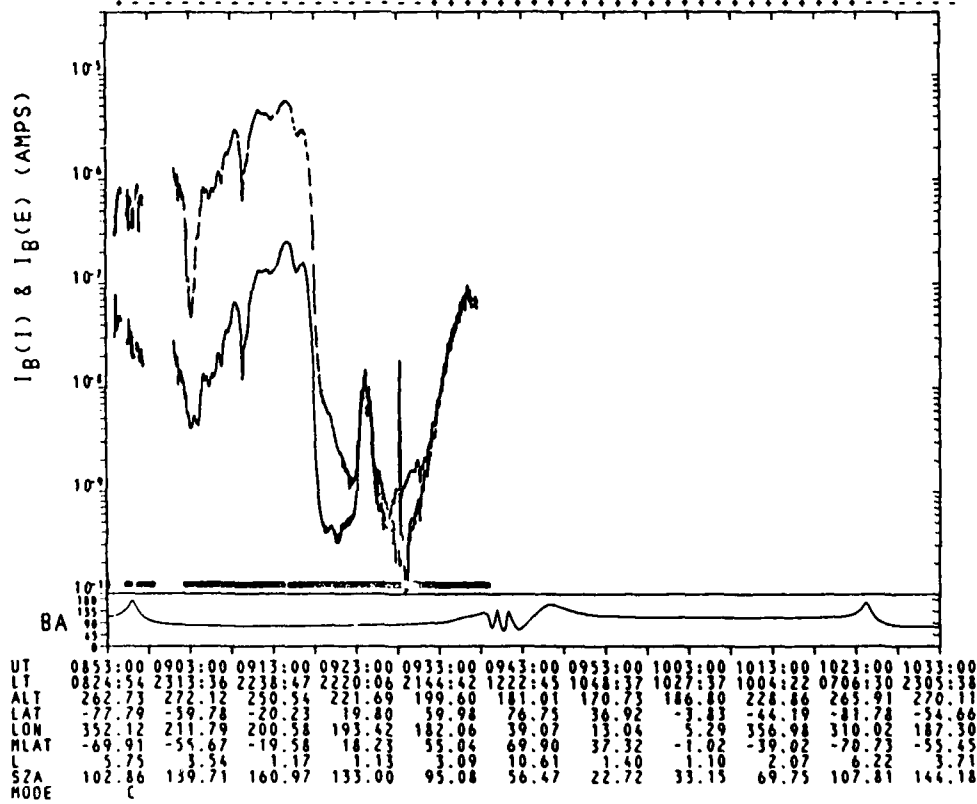
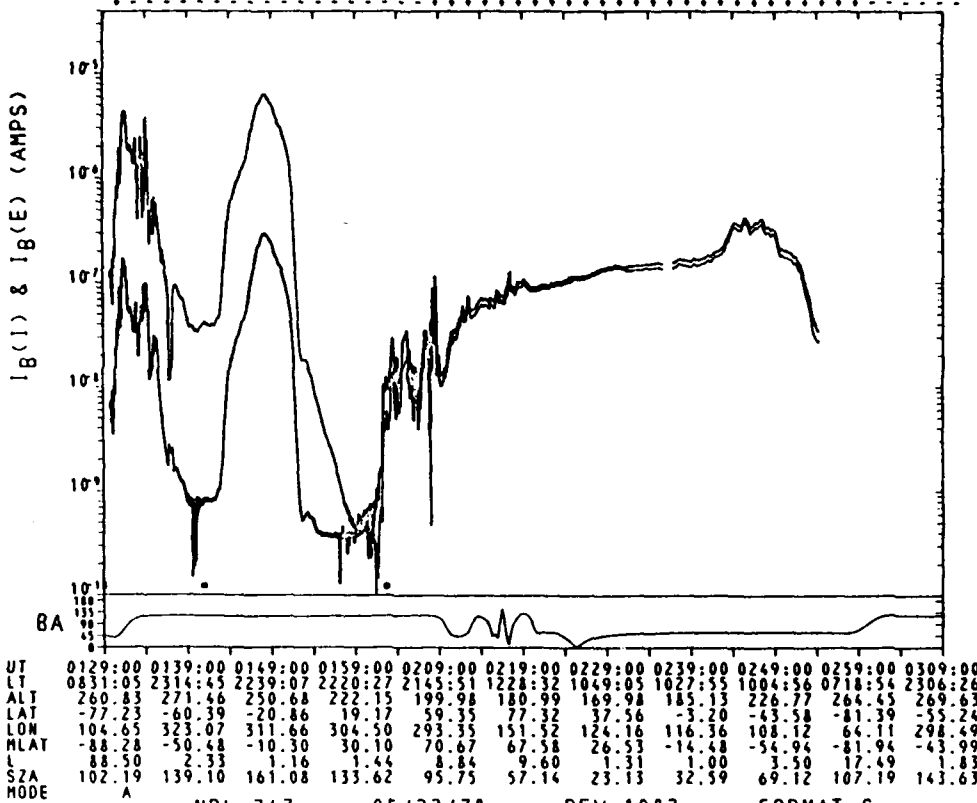
UT	0744:00	0754:00	0804:00	0814:00	0824:00	0834:00	0844:00	0854:00	0904:00	0914:00	0924:00
LT	0839:35	2316:44	2239:44	2221:05	2147:59	1241:55	1050:06	1028:34	1006:04	0742:55	2308:27
ALT	263.90	277.51	258.64	230.02	206.30	185.16	171.87	185.37	227.38	267.67	276.10
LAT	-76.37	-61.40	-21.95	17.99	58.12	78.44	38.89	-1.88	-42.27	-80.44	-56.59
LOW	13.02	229.80	218.05	210.89	200.12	61.10	30.65	22.76	14.64	336.35	205.23
MLAT	-71.38	-54.39	-17.93	19.89	56.49	69.10	35.84	-2.51	-40.35	-70.82	-53.84
L	6.49	3.11	1.16	1.15	3.23	11.33	1.48	1.06	2.23	6.11	3.29
SZA	101.10	138.05	161.20	134.81	97.10	58.51	24.04	31.42	67.73	105.78	142.32
MODE	C										

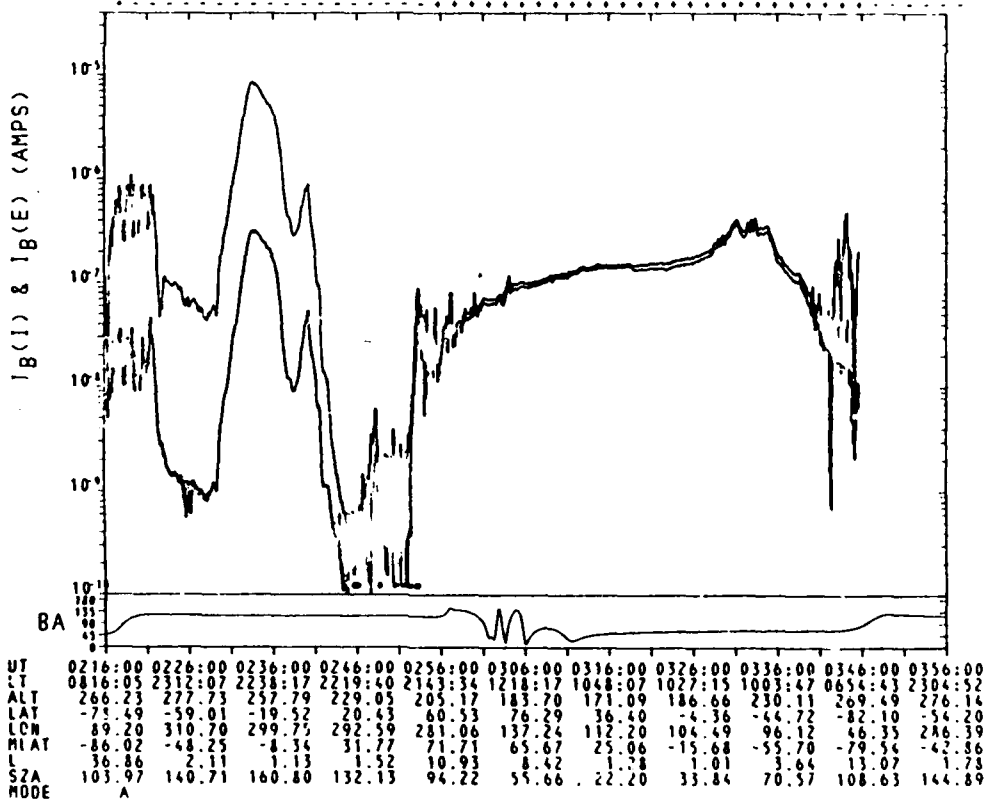
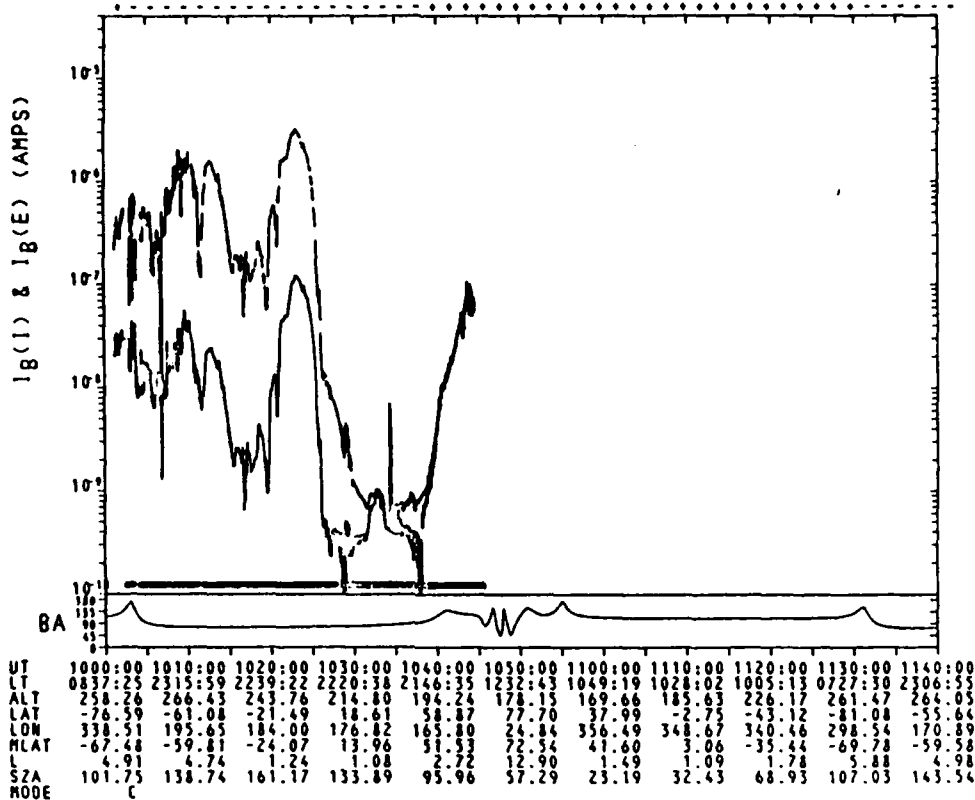


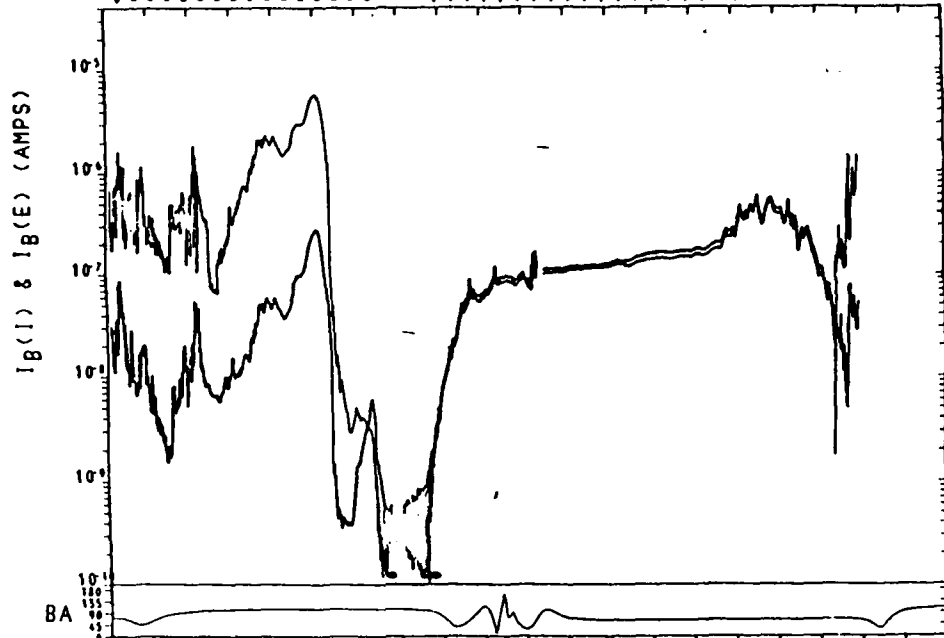
UT	1508:00	1518:00	1528:00	1538:00	1548:00	1558:00	1608:00	1618:00	1628:00	1638:00	1648:00
LT	0831:46	2314:57	2239:13	2220:34	2146:16	1230:55	1049:18	1028:04	1005:11	0724:27	2306:53
ALT	263.17	275.00	255.05	226.46	203.44	183.25	171.10	185.73	227.85	266.78	273.41
LAT	-77.17	-60.49	-20.99	18.98	59.13	77.54	37.82	-2.94	-43.31	-81.20	-55.54
LOW	260.07	118.36	106.93	99.77	88.69	307.36	279.45	271.64	263.42	220.74	93.85
HLAT	-66.61	-71.63	-32.34	7.77	48.33	86.15	48.98	7.88	-32.94	-73.31	-66.32
L	5.20	17.13	1.38	1.00	2.87	81.02	2.51	1.07	1.46	10.03	7.62
SZA	102.03	138.92	161.09	133.86	96.05	57.46	23.35	32.31	68.78	106.84	143.28
MODE	A										



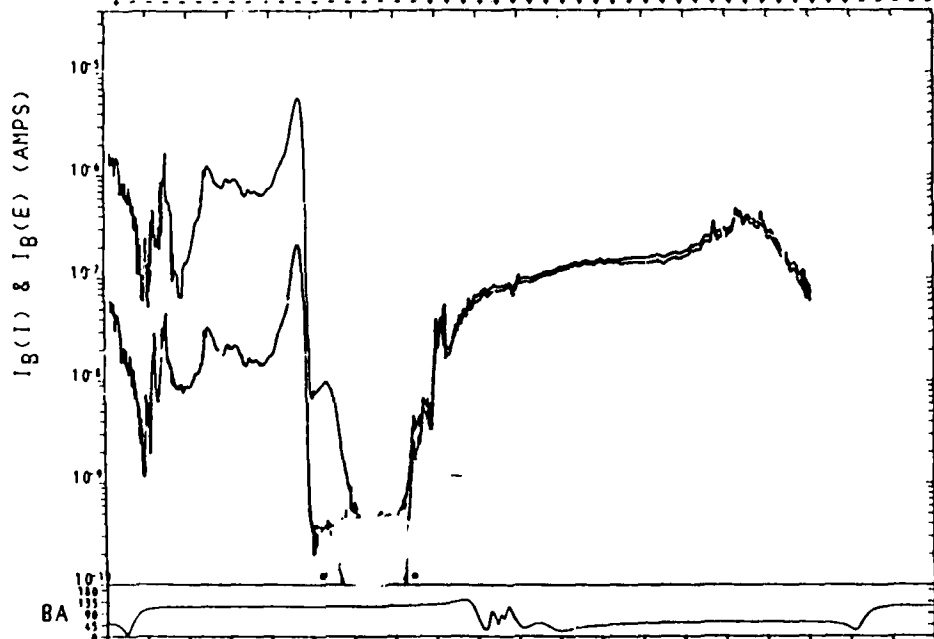
UT	1934:00	1944:00	1954:00	2004:00	2014:00	2024:00	2034:00	2044:00	2054:00	2104:00	2114:00
LT	0838:03	2316:17	2239:34	2220:54	2147:22	1237:39	1049:46	1028:21	1005:42	0735:57	2307:46
ALT	261.60	273.67	253.74	225.11	202.32	182.58	170.64	184.87	226.49	265.31	271.98
LAT	-76.53	-61.19	-21.69	18.30	58.47	78.11	38.48	-2.28	-42.67	-80.73	-56.15
LOW	195.14	52.20	40.52	33.35	22.47	242.54	213.07	205.22	197.96	157.12	27.57
HLAT	-73.11	-65.58	-25.37	15.22	56.11	80.80	40.29	-1.09	-42.09	-81.47	-56.09
L	12.77	5.48	1.45	1.03	3.12	57.59	1.69	1.01	1.99	9.55	3.47
SZA	101.38	138.33	161.18	134.45	96.66	58.04	23.72	31.81	68.20	106.27	142.79
MODE	A										



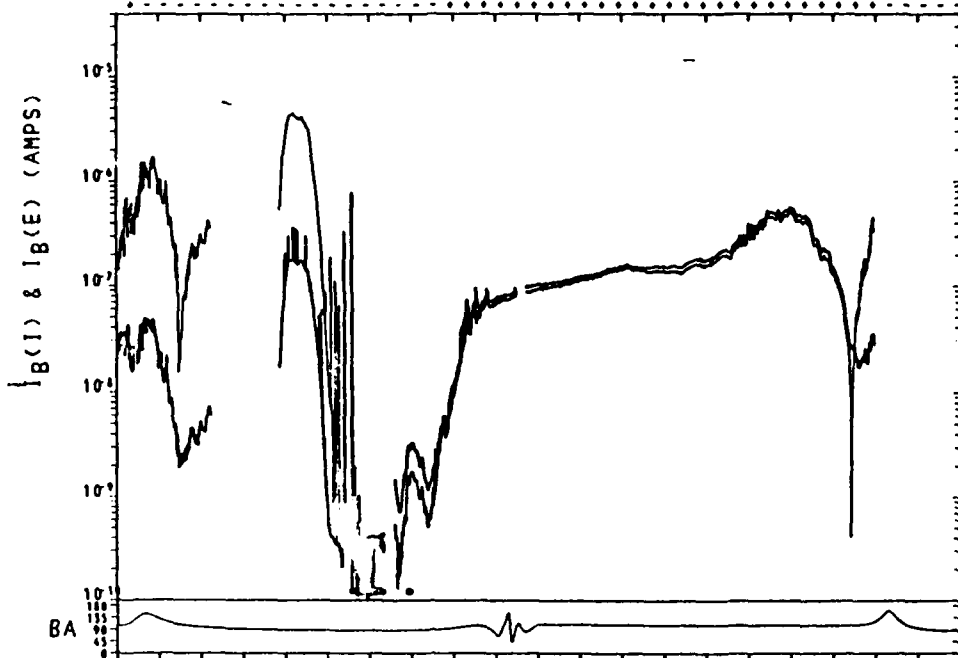




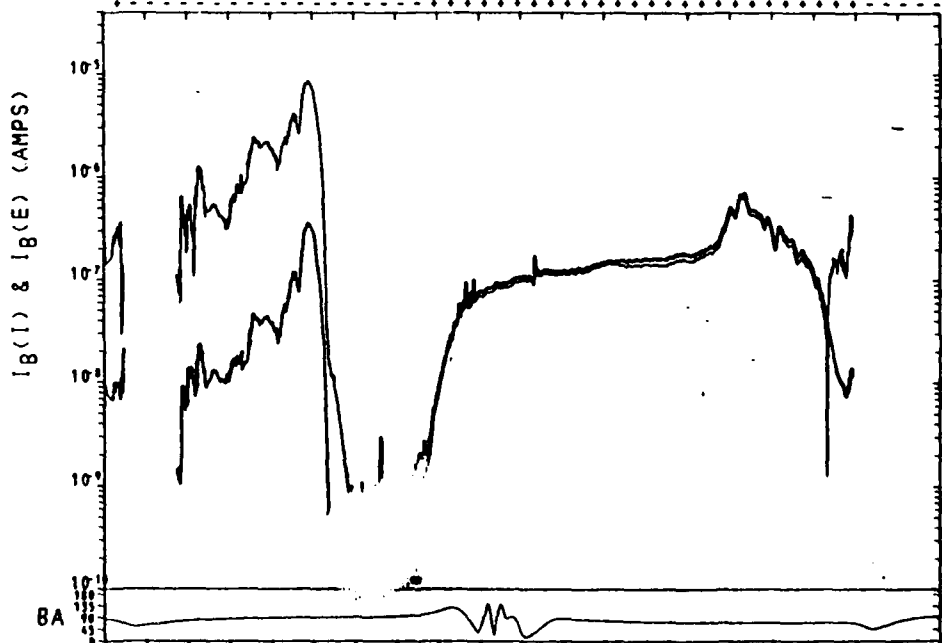
UT	1832:00	1842:00	1852:00	1902:00	1912:00	1922:00	1932:00	1942:00	1952:00	2002:00	2012:00
LT	0828:00	2313:59	2238:46	2220:07	2145:14	1226:02	1048:42	1027:37	1004:32	0714:11	2305:56
ALT	262.64	273.28	252.47	223.61	200.90	181.38	170.15	185.63	227.89	265.98	271.38
LAT	-77.51	-60.11	-20.88	19.42	59.60	77.11	37.32	-3.45	-43.82	-81.54	-55.03
LDN	208.19	67.18	25.88	48.72	37.50	255.20	228.36	220.59	212.32	167.24	42.67
MLAT	-71.93	-67.32	-27.03	13.59	54.54	82.77	42.09	0.70	-40.31	-80.12	-58.00
L	10.16	6.59	1.39	1.04	3.17	97.03	1.79	1.02	1.87	28.19	3.78
SZA	103.01	139.86	161.02	132.93	95.01	56.39	22.61	33.18	69.84	107.92	144.30
MODE	A										



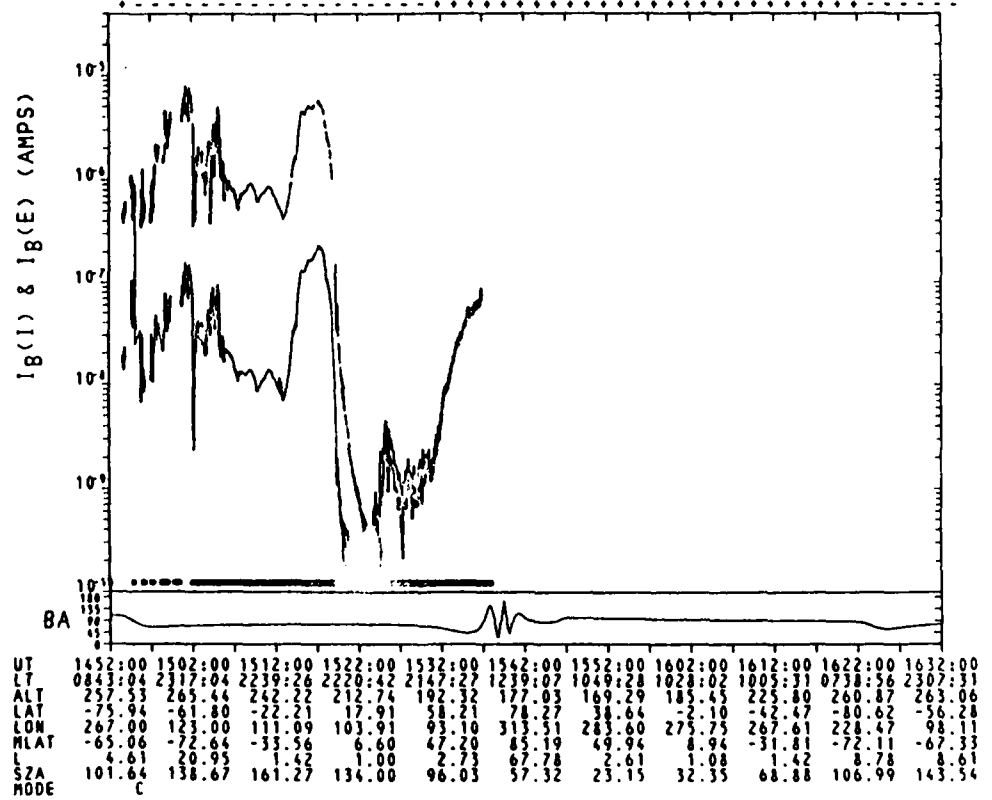
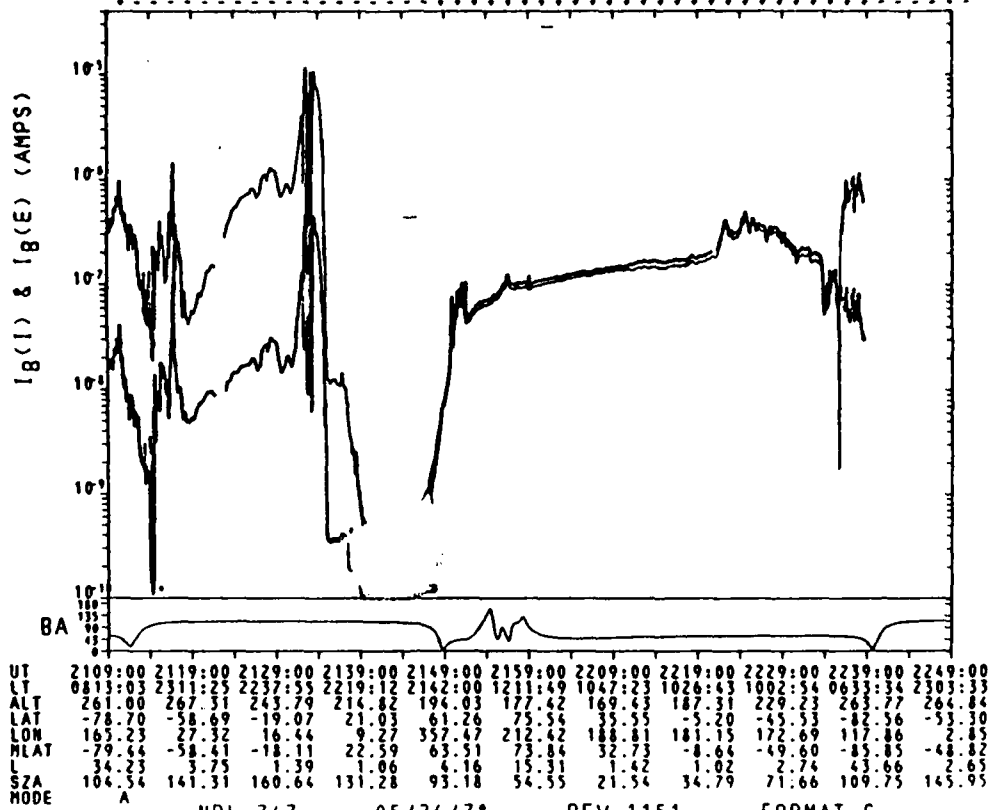
UT	2258:00	2308:00	2318:00	2328:00	2338:00	2348:00	2358:00	0008:00	0018:00	0028:00	0038:00
LT	0831:07	2314:35	2238:55	2220:15	2145:40	1228:26	1048:52	1027:42	1004:44	0719:56	2306:10
ALT	261.04	271.55	250.58	221.78	199.43	180.43	169.56	185.44	229.90	268.93	271.40
LAT	-77.21	-60.42	-20.89	19.14	59.33	77.33	37.57	-3.19	-43.54	-81.36	-55.30
LDN	142.47	0.84	349.42	342.25	331.11	189.30	161.91	154.12	145.88	102.18	336.24
MLAT	-83.03	-55.26	-14.93	25.70	66.67	71.62	30.19	-11.20	-52.20	-27.01	-46.83
L	128.10	3.13	1.34	1.11	4.87	12.79	1.35	1.03	3.10	42.72	2.23
SZA	102.72	139.61	161.07	133.15	95.23	56.60	22.73	33.00	69.61	107.69	144.10
MODE	A										

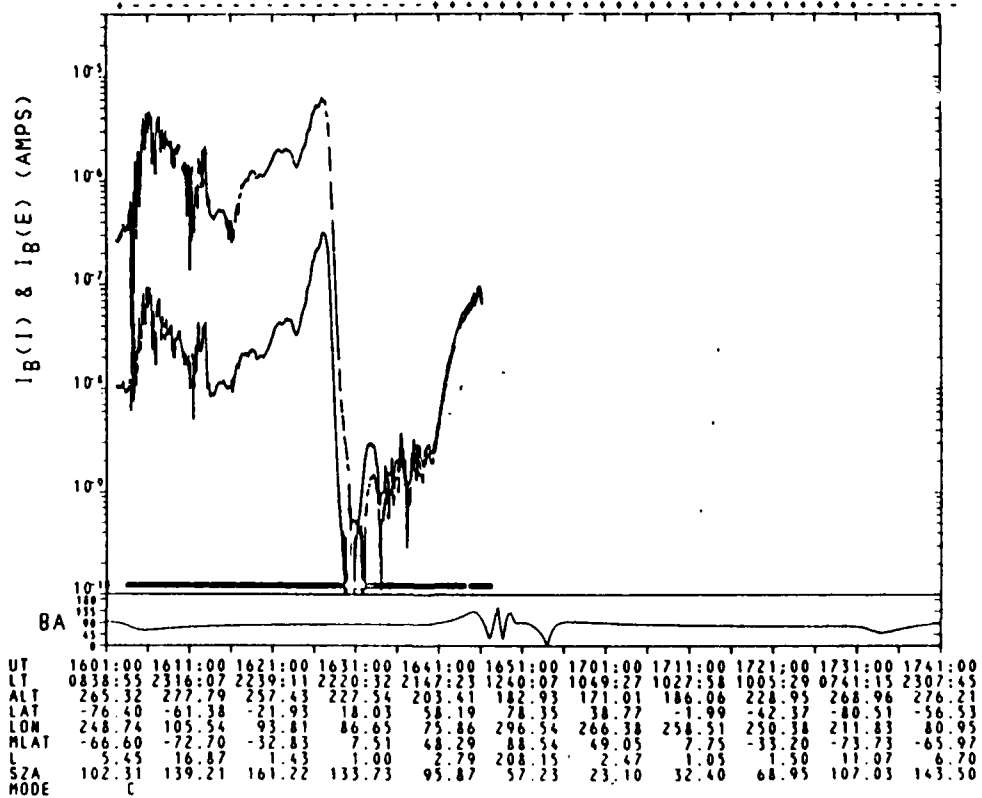
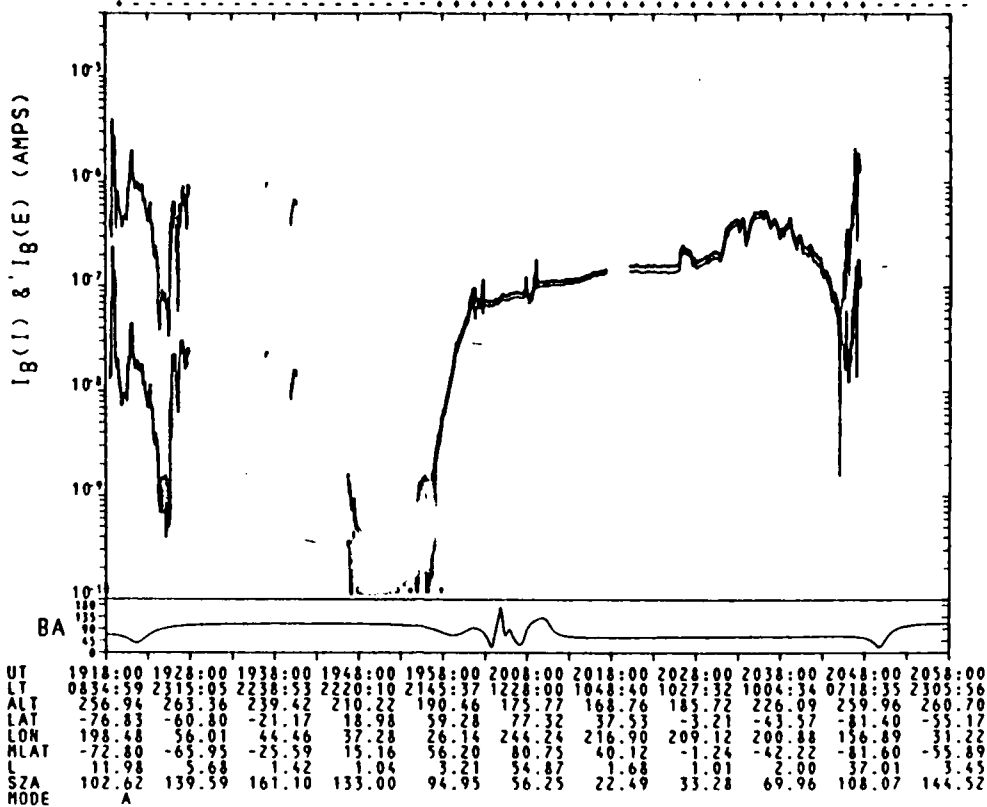


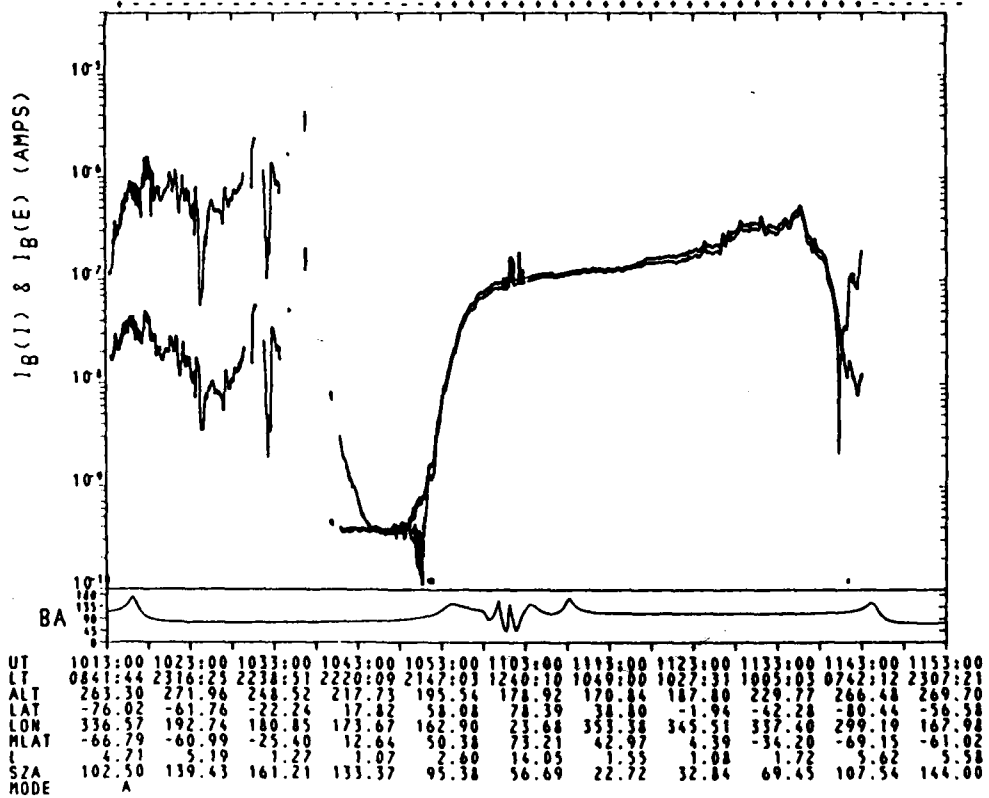
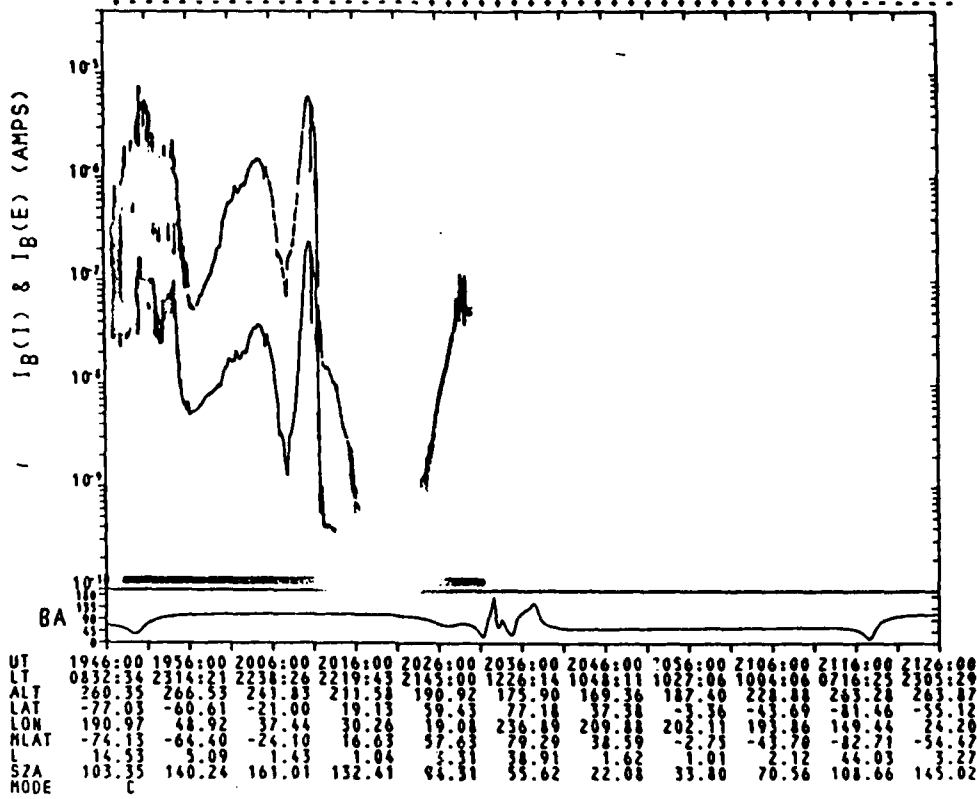
UT	0622:00	0632:00	0642:00	0652:00	0702:00	0712:00	0722:00	0732:00	0742:00	0752:00	0802:00
LT	0800:20	2309:49	2237:28	2218:45	2140:09	1205:23	1046:48	1026:21	1002:04	0605:16	2302:24
ALT	260.98	267.88	245.12	216.76	195.59	177.73	168.72	186.48	228.80	263.82	265.43
LAT	-79.53	-57.69	-18.07	22.02	62.21	74.68	34.59	-6.17	-46.50	-83.02	-52.33
LOW	23.78	248.65	238.07	230.89	218.74	72.54	50.40	42.79	34.22	332.60	224.30
MLAT	-75.20	-48.49	-10.78	27.58	63.87	64.67	28.23	-10.55	-48.24	-72.88	-46.49
L	8.61	2.30	1.09	1.27	5.15	7.81	1.31	1.09	2.69	7.20	2.29
SZA	105.40	142.08	160.36	130.48	92.37	53.78	21.14	35.51	72.48	110.57	146.64
MODE	A										

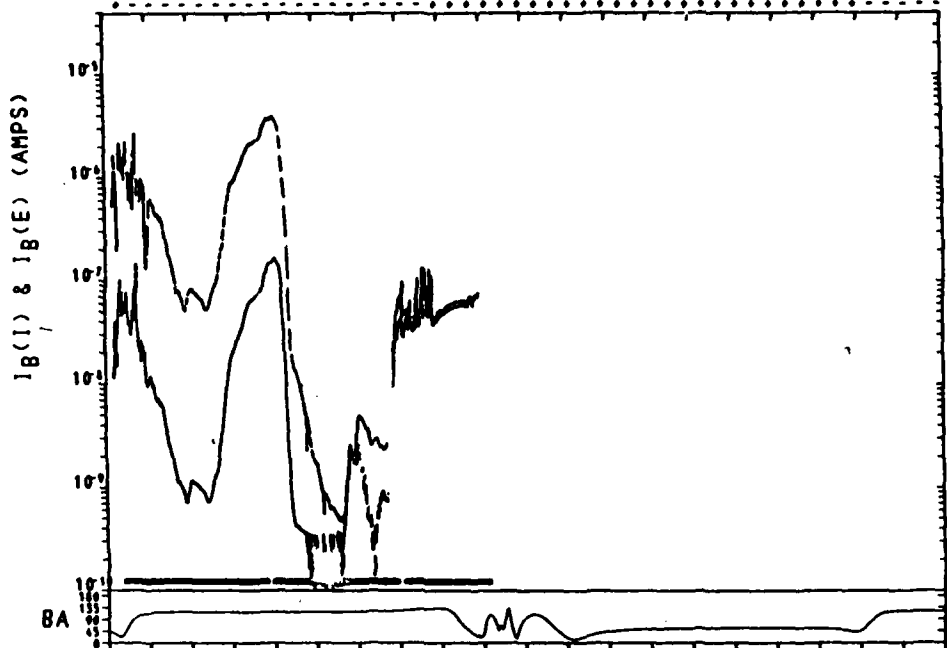


UT	1643:00	1653:00	1703:00	1713:00	1723:00	1733:00	1743:00	1753:00	1803:00	1813:00	1823:00
LT	0816:09	2311:52	2238:04	2219:23	2142:42	1214:24	1047:58	1026:54	1003:16	0643:18	2304:02
ALT	262.11	269.15	246.02	216.91	195.06	178.51	169.09	187.54	229.52	264.97	266.84
LAT	-78.48	-58.97	-19.37	20.71	60.93	75.87	35.91	-4.83	-45.17	-82.17	-53.68
LOW	232.50	93.93	82.98	75.81	64.14	279.56	255.37	247.69	239.28	189.78	89.47
MLAT	-69.91	-69.71	-29.45	11.14	52.14	88.49	45.01	3.67	-37.31	-77.80	-61.58
L	7.36	10.31	1.35	1.01	3.24	208.12	2.04	1.03	1.68	18.07	4.75
SZA	104.26	141.03	160.72	131.61	93.55	54.92	21.74	34.46	71.29	109.37	145.60
MODE	A										

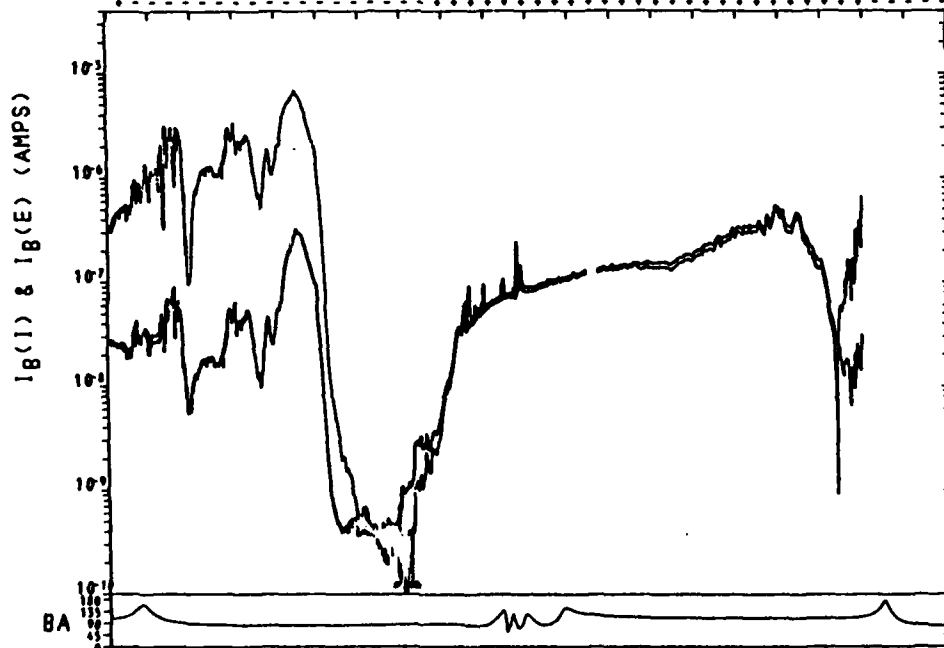




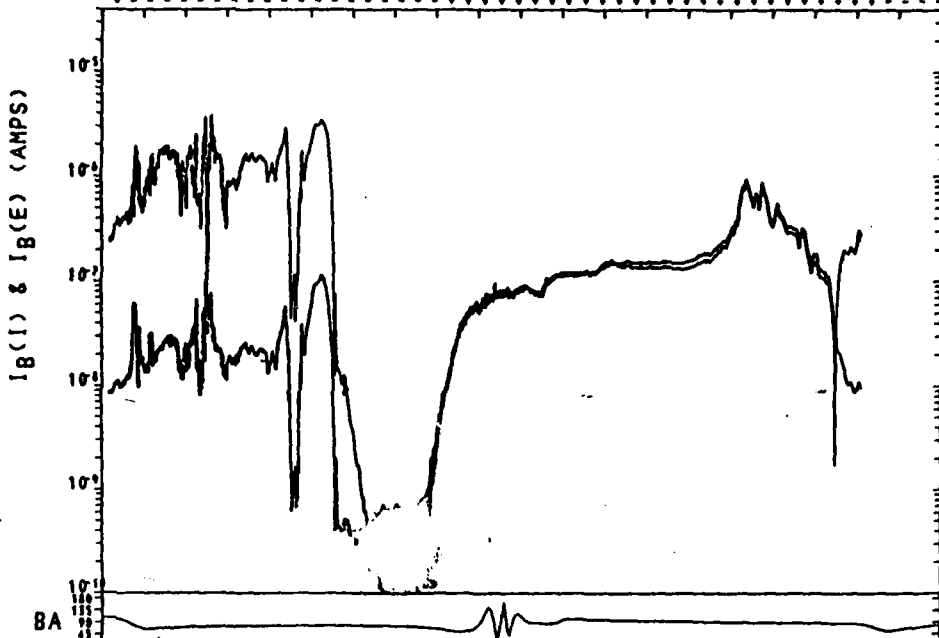




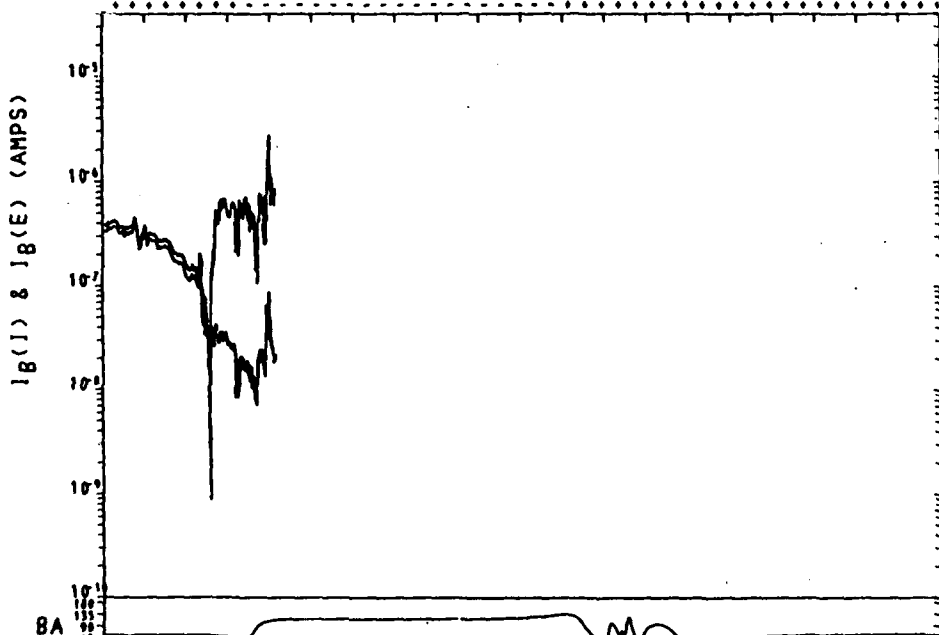
UT	0022:00	0032:00	0042:00	0052:00	0102:00	0112:00	0122:00	0132:00	0142:00	0152:00	0202:00
LT	0812:38	2310:57	2237:18	2218:45	2143:09	1220:26	1047:24	1026:28	1003:19	0710:07	2304:59
ALT	280.46	293.11	272.77	242.08	215.59	192.17	179.03	195.00	241.28	283.35	291.89
LAT	-78.67	-58.94	-19.59	20.22	60.22	76.64	38.86	-3.83	-44.11	-81.65	-55.08
LOM	117.14	339.22	328.31	321.17	309.77	166.59	140.84	133.10	124.82	79.02	315.23
MLAT	-88.47	-50.74	-10.63	29.73	70.50	68.32	26.98	-14.21	-54.95	-84.10	-44.61
L	126.51	6.51	1.21	1.28	7.38	9.64	1.29	1.02	3.56	24.01	1.94
SZA	105.77	142.27	160.53	130.87	92.95	54.45	21.44	34.68	71.53	109.52	145.61
MODE	C										



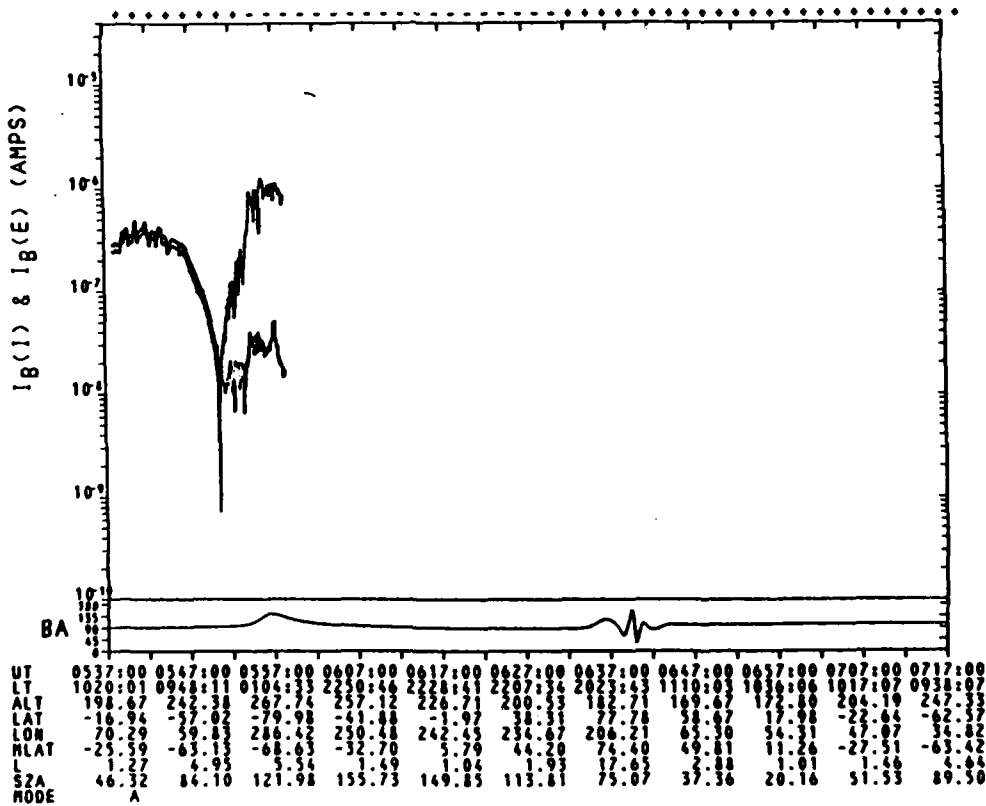
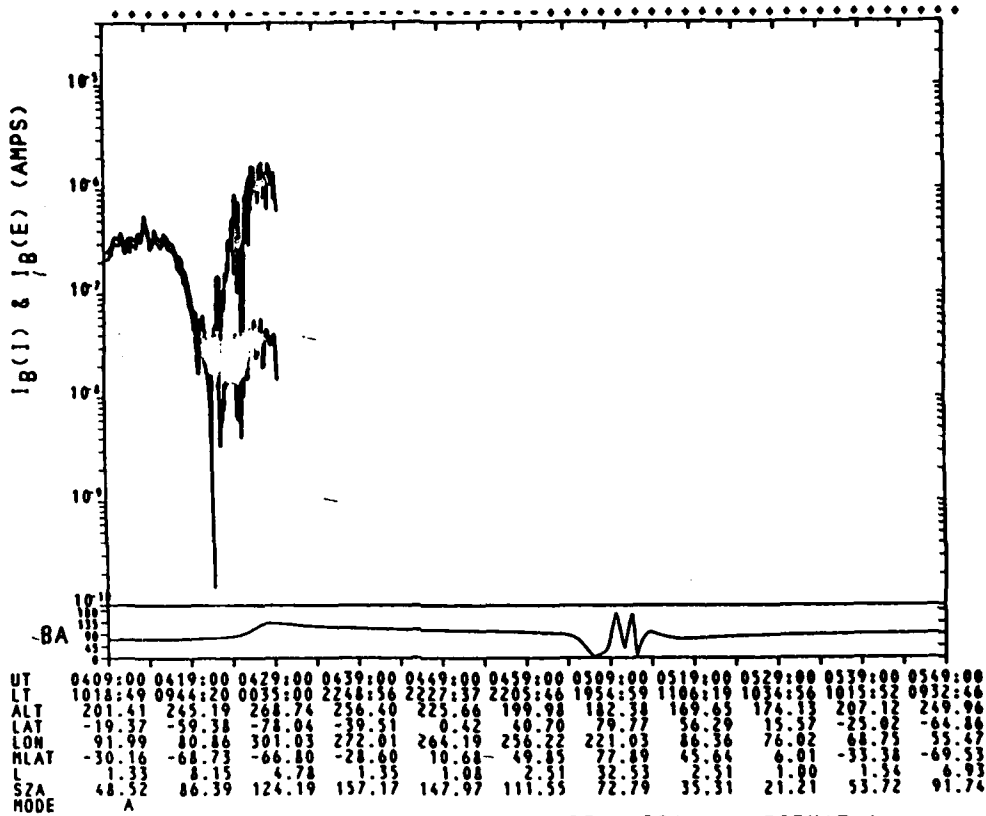
UT	0742:00	0752:00	0802:00	0812:00	0822:00	0832:00	0842:00	0852:00	0902:00	0912:00	0922:00
LT	0839:24	2313:32	2238:20	2219:40	2146:34	1239:30	1048:32	1027:04	1004:37	0741:56	2306:59
ALT	286.84	277.04	256.64	223.21	199.43	180.83	171.34	184.17	231.33	269.96	274.93
LAT	-76.25	-61.56	-22.09	17.91	58.12	78.38	38.79	-1.95	-42.30	-80.43	-56.93
LOM	13.83	230.38	218.58	211.41	200.64	61.37	31.33	2.26	15.13	316.98	285.74
MLAT	-71.40	-54.47	-17.98	19.91	56.60	69.03	35.63	-2.68	-40.47	-70.88	-53.78
L	6.51	3.12	1.16	1.15	3.24	11.25	1.47	-2.68	6.23	6.18	6.18
SZA	103.14	139.98	161.11	132.91	94.94	56.29	22.48	33.19	69.86	107.95	144.31
MODE	A										

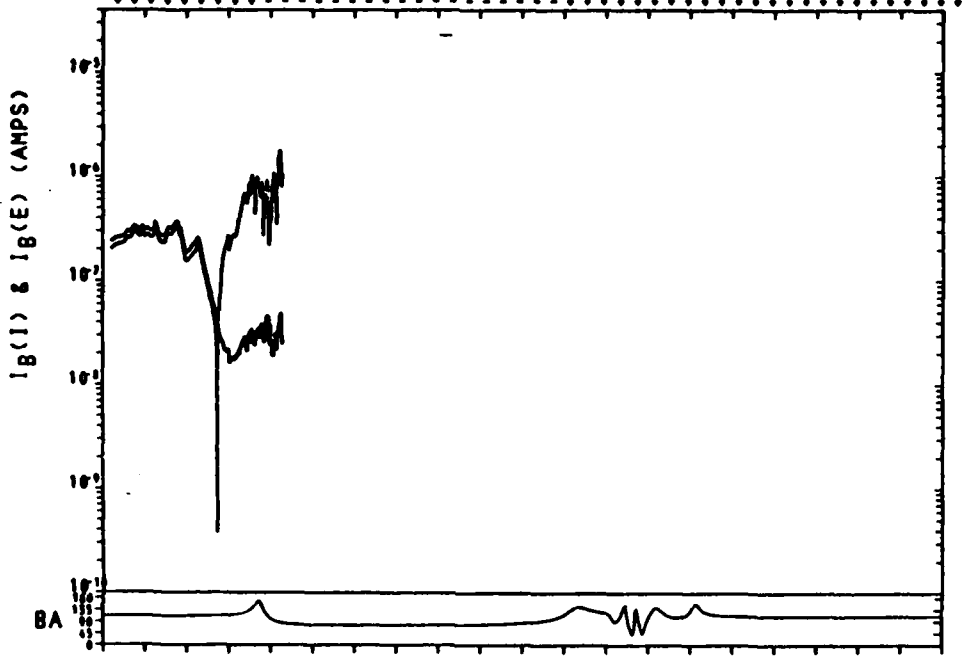


UT	1505:00	1515:00	1525:00	1535:00	1545:00	1555:00	1605:00	1615:00	1625:00	1635:00	1645:00
LT	0855:22	2320:21	2239:29	2220:43	2149:54	1308:32	1050:10	1028:00	1006:18	0811:27	2310:12
ALT	262.49	274.26	252.42	221.25	197.82	179.47	170.36	185.53	227.25	266.19	272.78
LAT	-74.16	-63.80	-24.35	15.67	55.92	80.18	41.00	0.23	-40.13	-78.74	-58.70
LON	267.10	120.86	108.13	100.94	90.74	317.49	280.80	272.76	264.83	233.62	95.81
MLAT	-63.28	-74.77	-35.71	4.42	45.02	84.60	52.21	11.13	-29.66	-70.04	-69.58
L	4.15	30.03	1.52	1.00	2.47	76.13	2.89	1.09	1.38	7.38	10.41
SZA	100.96	138.00	161.42	134.90	97.04	58.33	23.77	31.44	67.84	105.94	142.55
MODE	A										

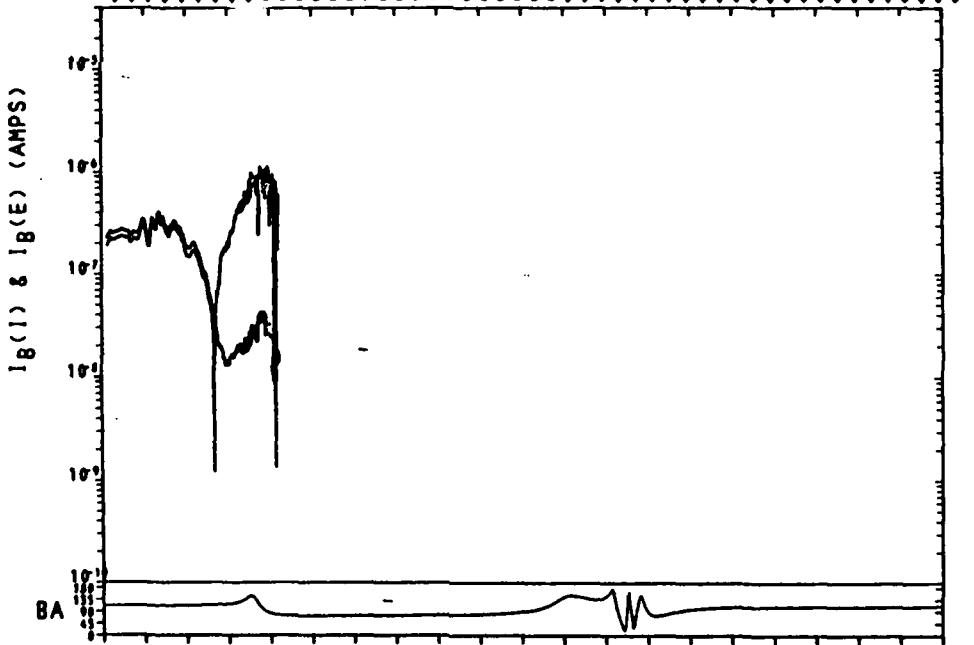


UT	2343:00	2353:00	0003:00	0013:00	0023:00	0033:00	0043:00	0053:00	0103:00	0113:00	0123:00
LT	1019:08	0945:18	0041:21	2249:20	2227:46	2203:51	1954:18	1105:48	1034:34	1015:24	0931:21
ALT	201.62	245.94	268.82	248.75	208.52	178.11	161.40	152.25	162.66	203.81	252.20
LAT	-18.79	-58.82	-78.33	-40.05	-0.02	40.47	79.80	56.01	15.13	-25.50	-65.31
LON	158.56	147.60	9.11	338.61	330.71	322.74	287.55	157.72	142.42	155.12	121.61
MLAT	-25.96	-60.76	-72.52	-32.17	8.49	49.60	88.74	47.12	5.54	-35.61	-76.21
L	1.26	9.82	6.96	1.67	1.07	2.08	1203.54	2.32	1.00	1.52	41.38
SZA	47.97	85.82	123.63	156.83	148.32	111.78	72.77	35.10	21.45	54.17	92.18
MODE	A										

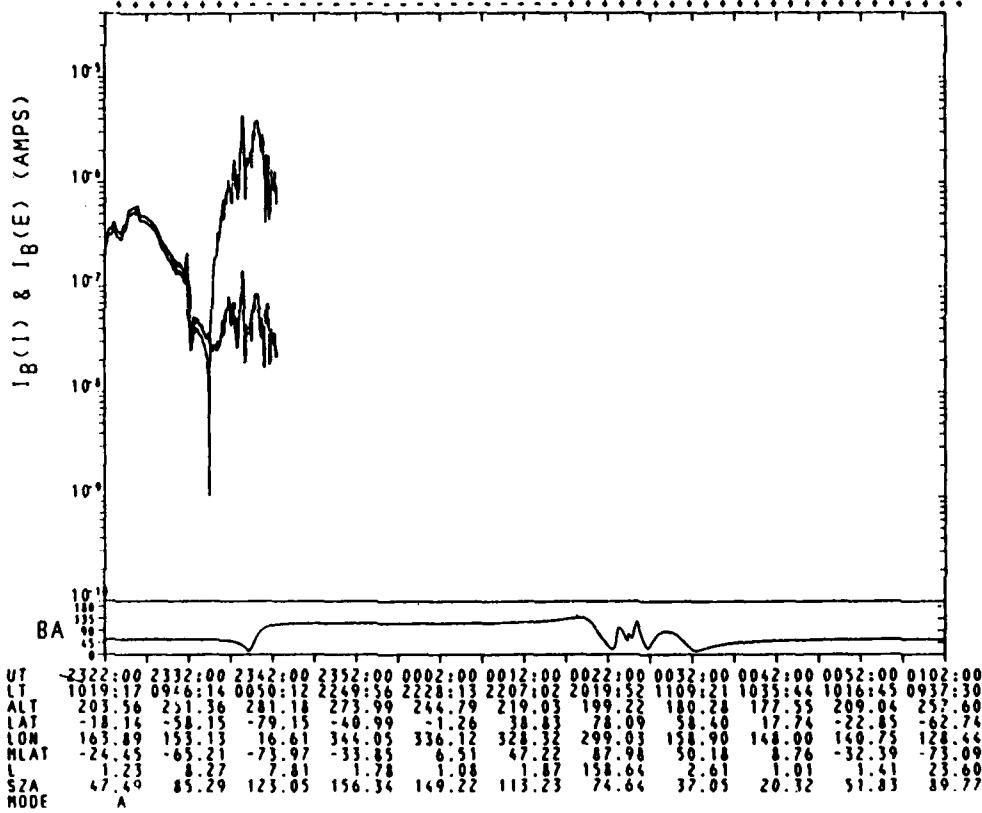
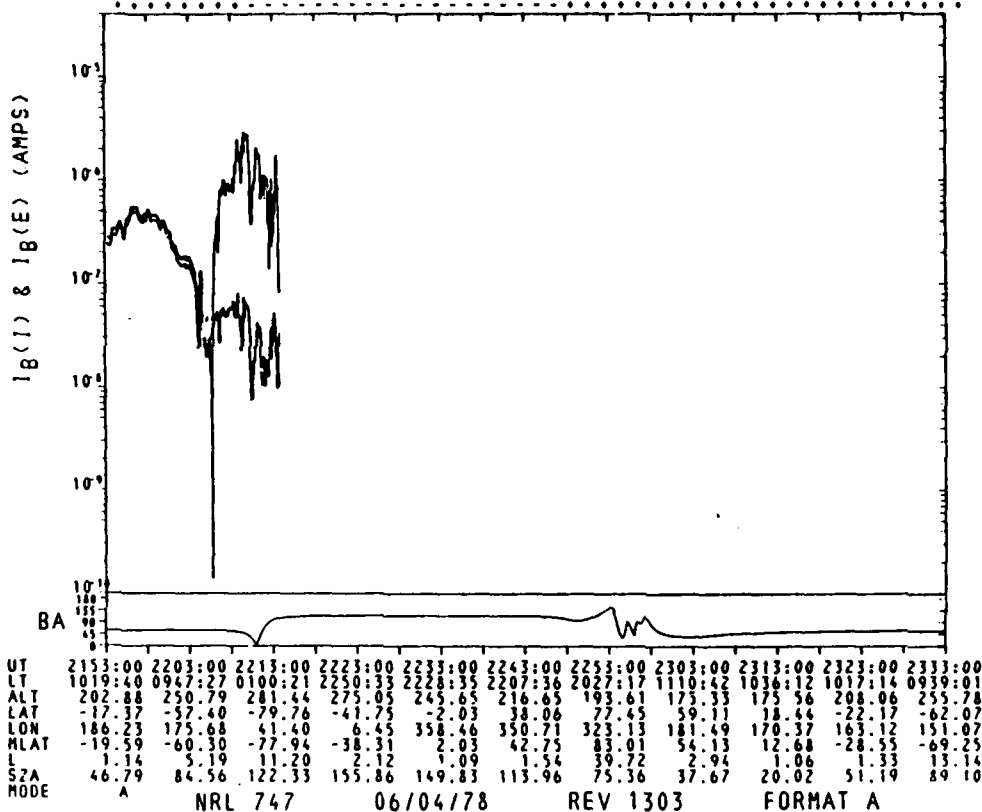


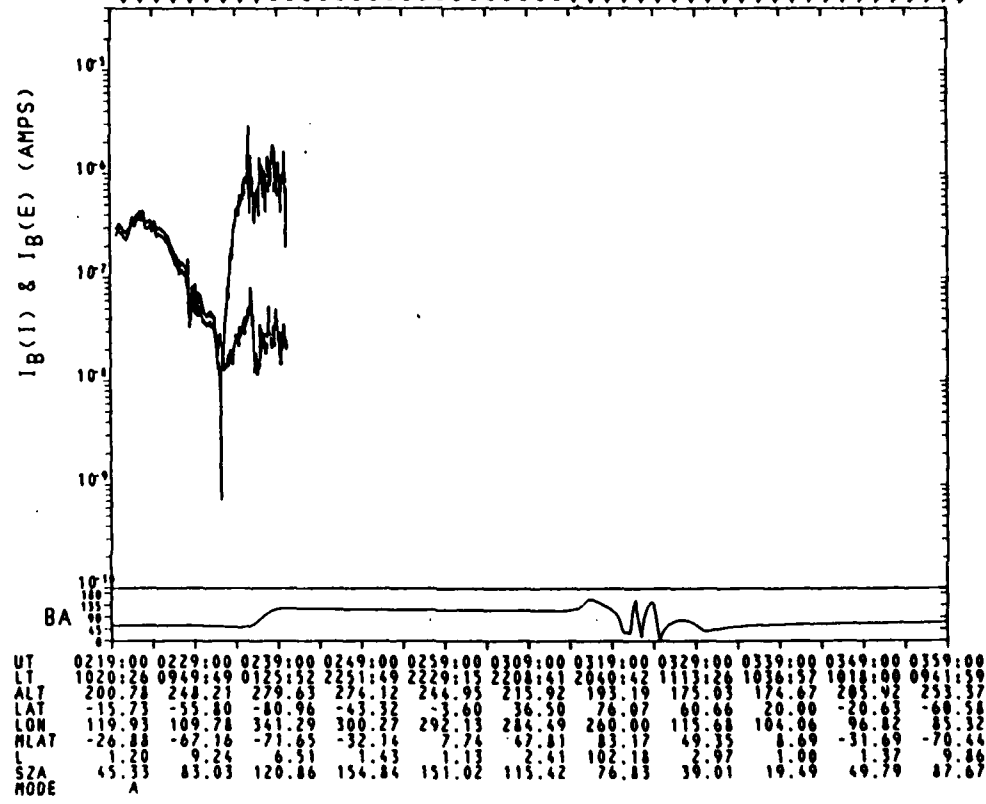
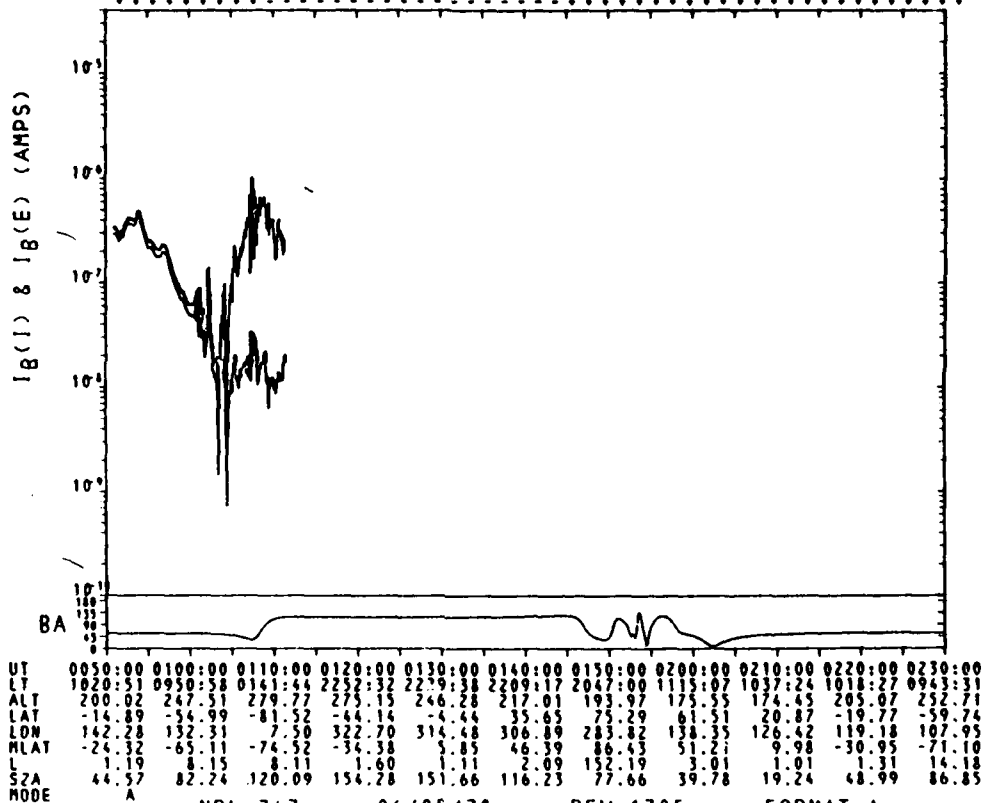


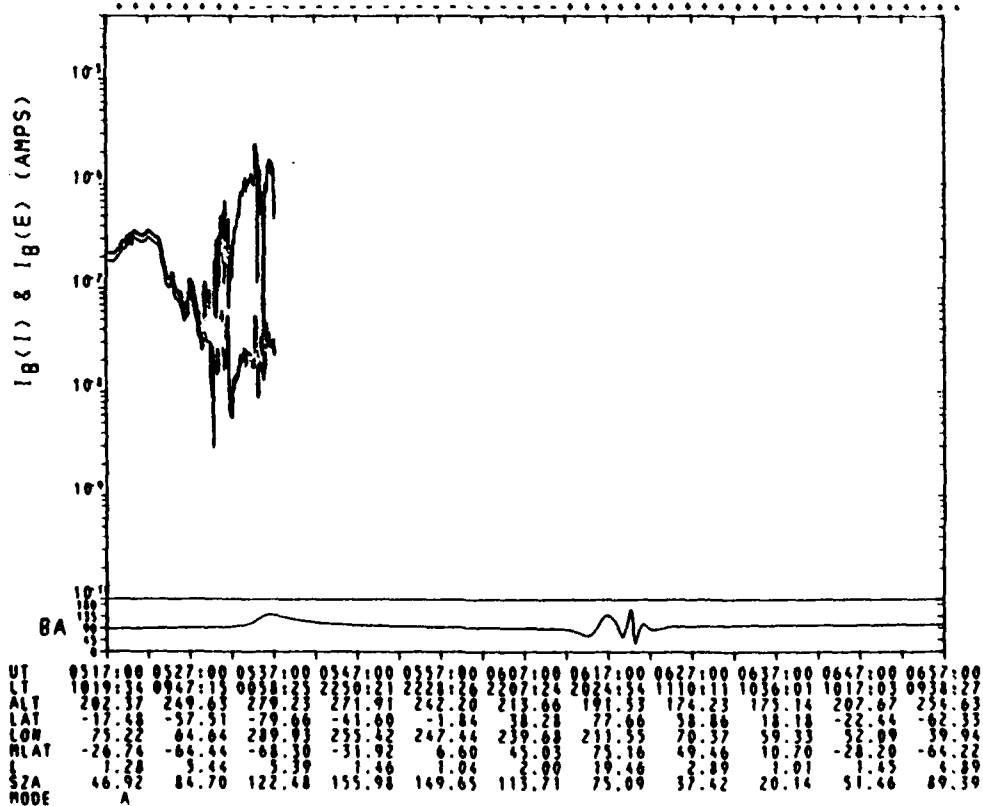
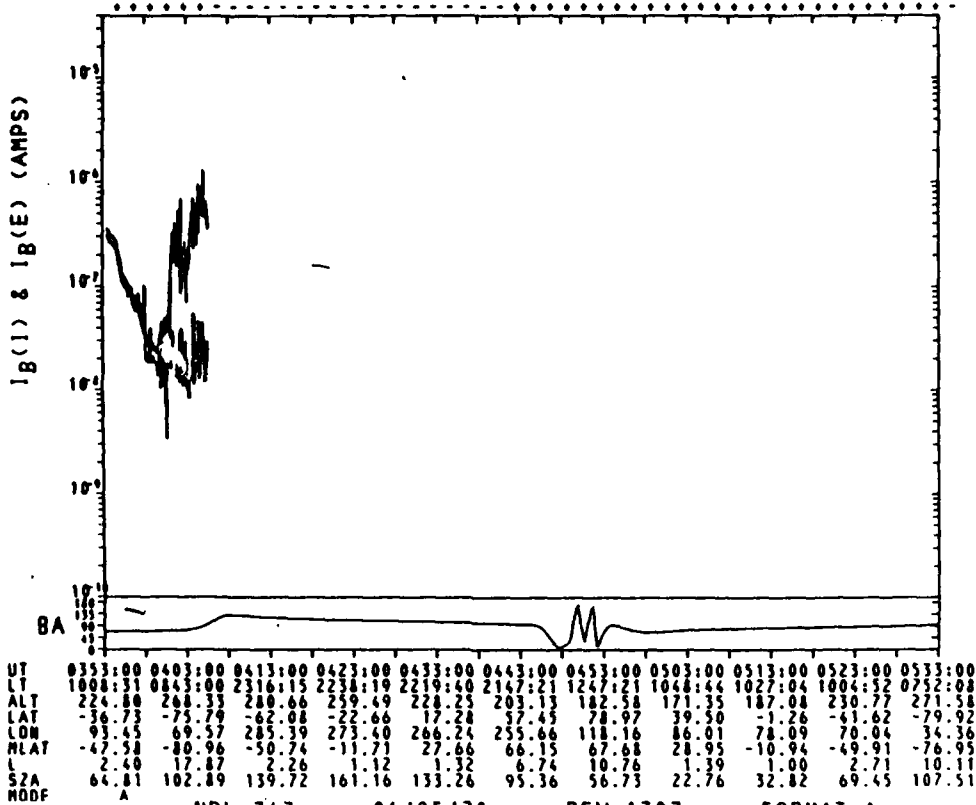
UT	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00	1113:00	1123:00	1133:00	1143:00
LT	1021:04	0951:23	0159:43	2252:43	2229:43	2209:14	2044:39	1114:29	1037:19	1018:22	0942:58
ALT	199.61	243.79	271.10	262.01	231.28	209.81	185.33	172.10	174.39	204.93	248.89
LAT	-14.66	-14.76	-81.64	-44.22	-4.36	39.88	75.60	61.12	20.48	-20.13	-60.10
LOW	4.06	354.14	230.23	184.47	176.22	168.60	144.96	359.91	348.12	340.89	329.33
NLAT	-11.61	-48.79	-72.81	-46.06	-8.73	29.53	65.47	62.89	26.02	-12.85	-50.79
L	1.27	2.54	9.13	2.34	1.03	1.33	8.00	4.04	1.09	1.27	2.40
SZA	44.29	81.94	119.84	154.18	151.66	116.09	77.41	39.50	19.32	49.25	87.12
MODE	A										

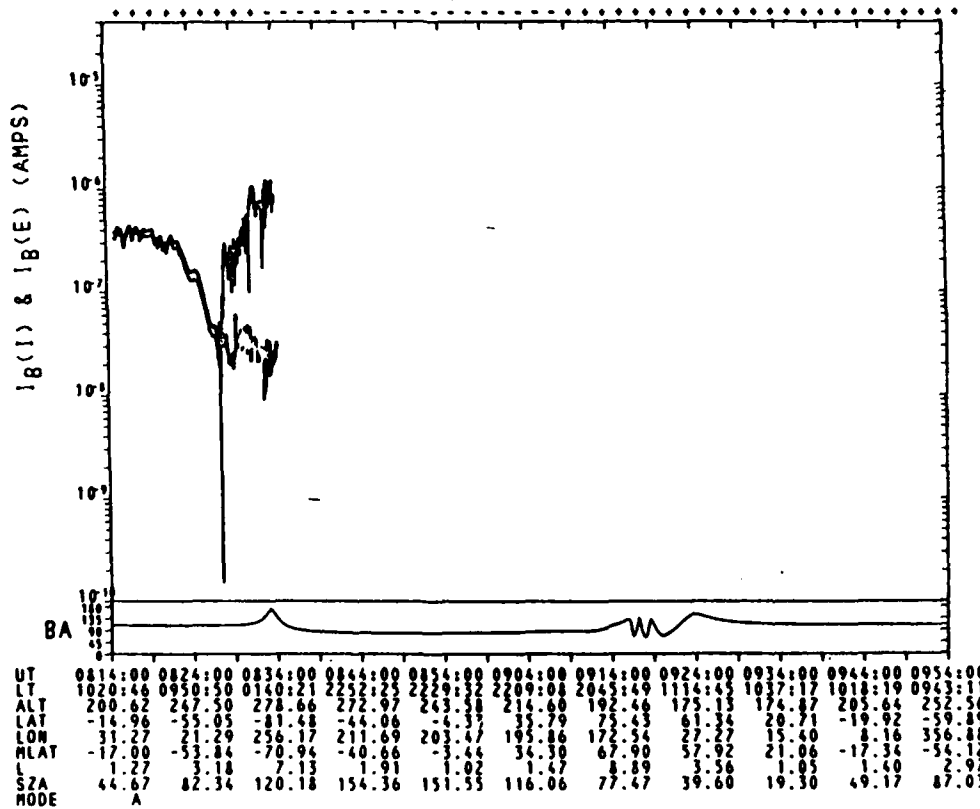
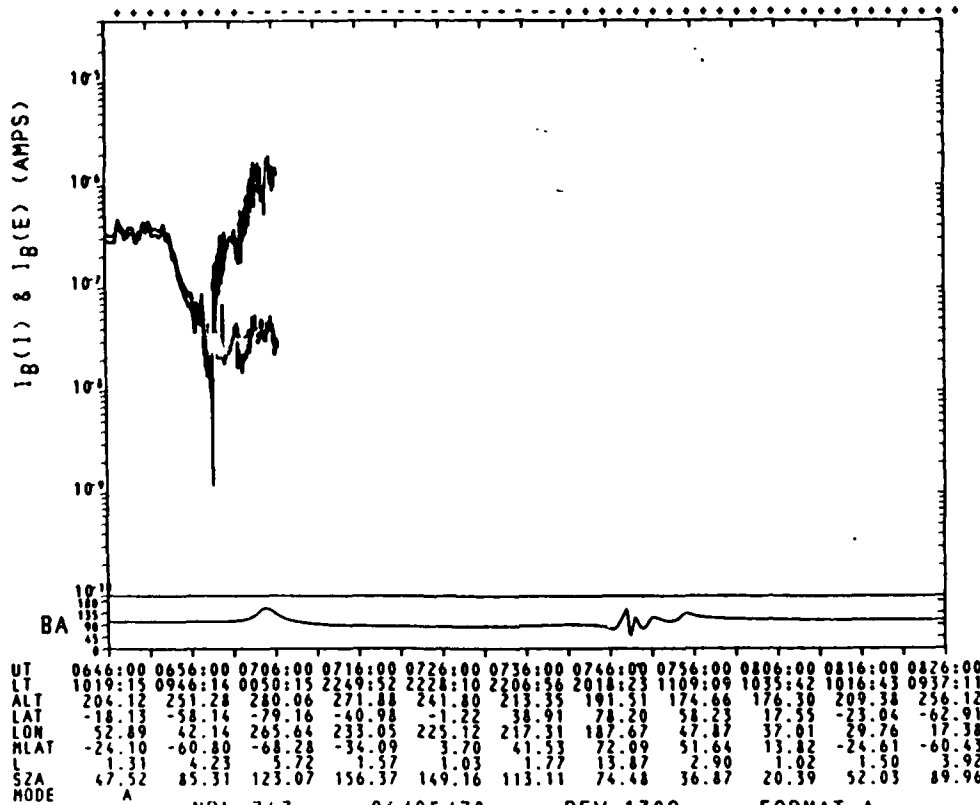


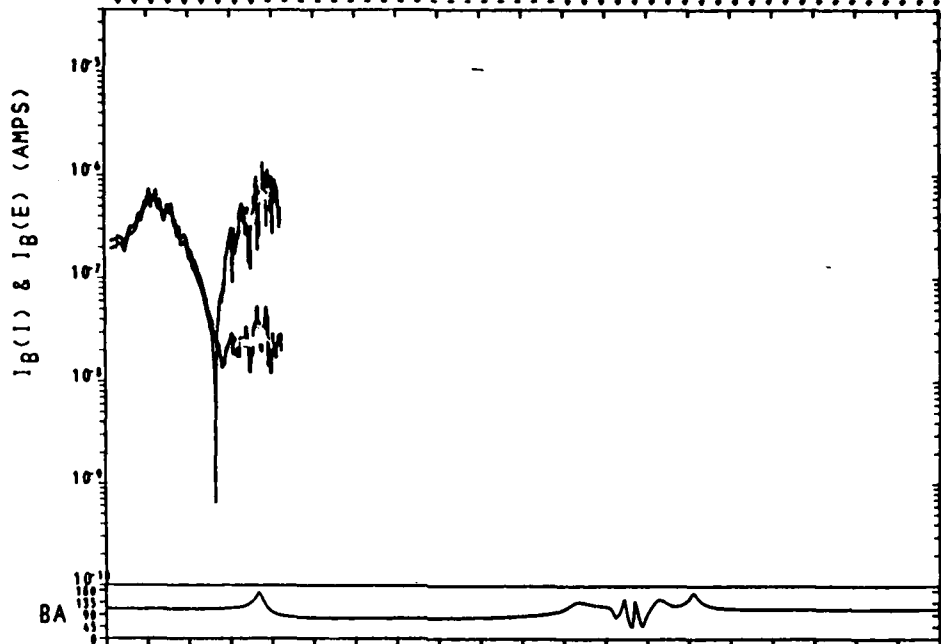
UT	1112:00	1142:00	1152:00	1202:00	1212:00	1222:00	1232:00	1242:00	1252:00	1302:00	1312:00
LT	1020:22	0949:24	0118:48	2251:30	2229:04	2209:12	2032:34	1111:43	1036:34	1017:37	0940:33
ALT	200.82	244.88	270.88	260.46	239.44	209.46	184.45	171.68	174.86	206.29	249.90
LAT	-16.09	-14.16	-80.66	-42.80	-7.92	39.36	76.91	59.68	19.00	-21.69	-61.30
LOW	341.64	331.39	291.25	161.92	153.92	149.10	119.77	326.98	325.69	318.45	306.60
NLAT	-8.97	-47.13	-75.10	-48.04	-10.98	27.98	65.66	63.98	27.99	-11.59	-50.34
L	1.22	2.18	13.39	2.66	1.03	1.31	8.85	4.59	1.19	1.17	2.74
SZA	45.58	83.30	121.17	155.14	150.56	114.70	75.99	38.20	19.79	50.61	88.52
MODE	A										



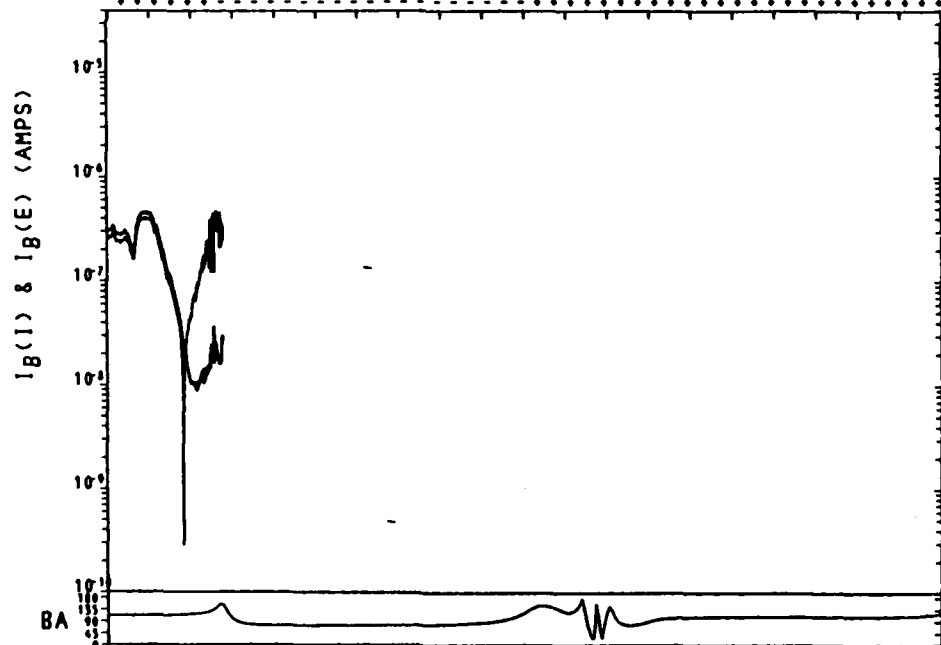




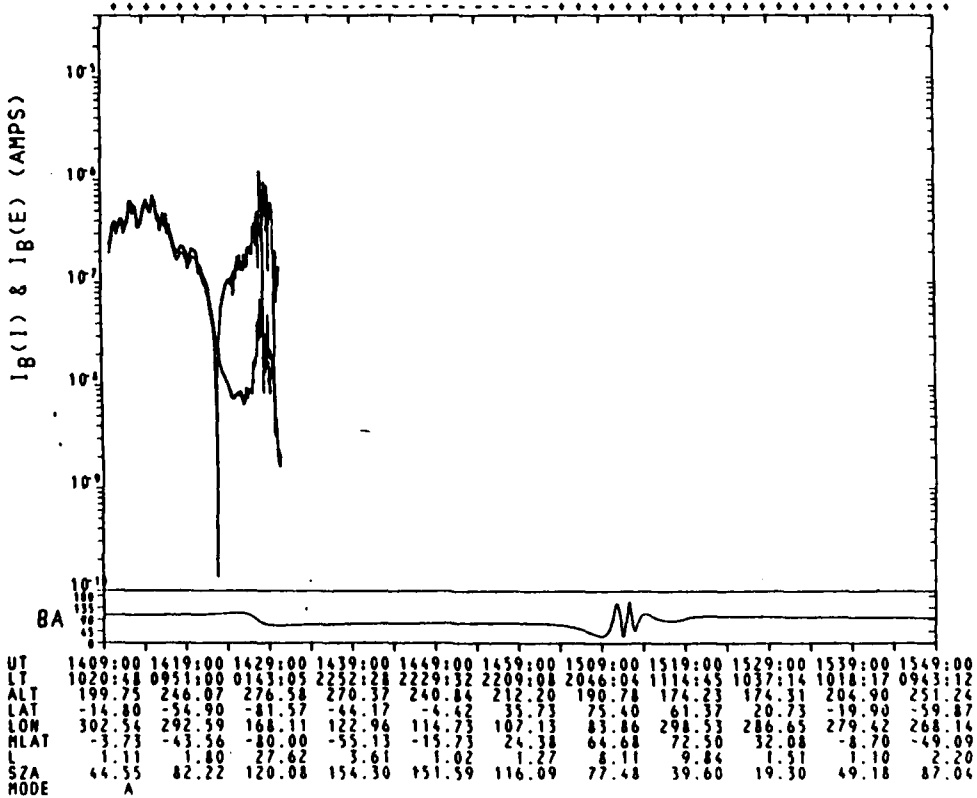
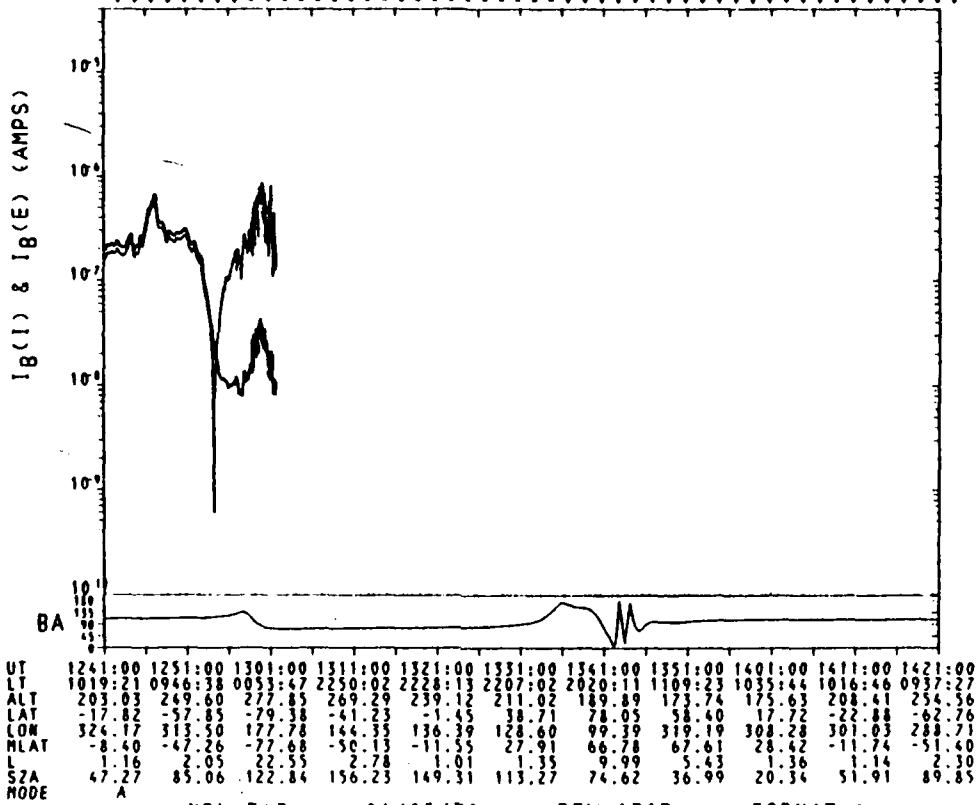


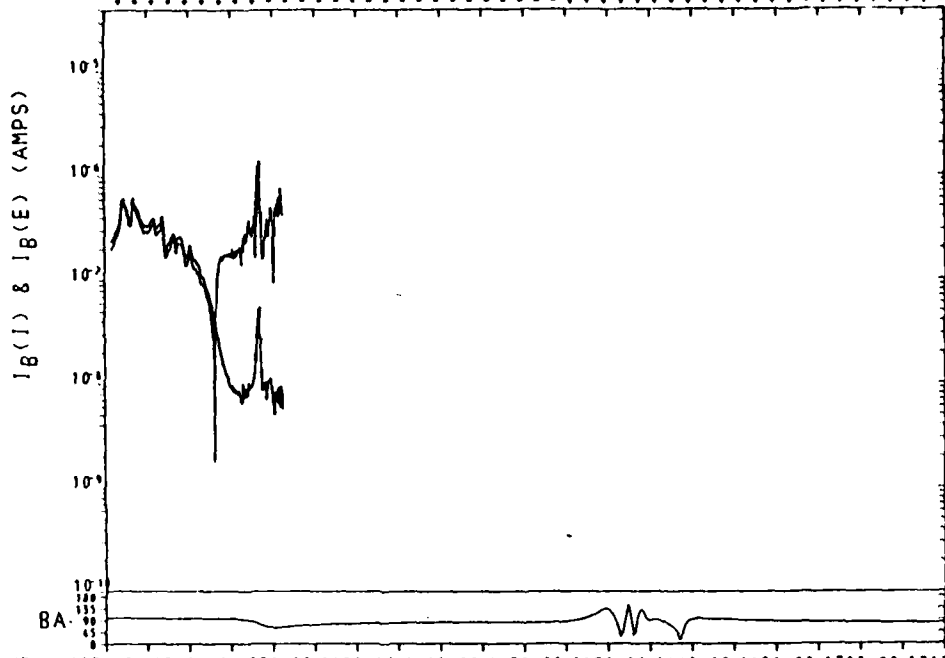


UT	0943:00	0953:00	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00	1113:00	1123:00
LT	1020:19	0949:33	0123:09	2251:38	2229:07	2208:28	2038:37	1112:56	1036:47	1017:69	0941:27
ALT	201.36	248.17	278.40	271.76	242.10	213.39	191.58	174.69	175.97	200.50	253.20
LAT	-15.88	-55.95	-80.85	-43.15	-3.41	36.73	76.29	60.40	19.75	-20.88	-60.81
LOW	8.91	358.72	229.62	189.24	181.11	173.43	148.49	6.57	33.03	34.79	334.20
HLAT	-13.53	-50.66	-72.20	-44.09	-6.88	31.15	68.38	61.32	24.42	-14.33	-51.98
L	1.30	2.72	8.80	2.16	1.02	1.13	8.61	3.73	1.97	1.33	2.53
SZA	45.50	83.21	121.04	154.98	150.84	115.17	76.55	38.75	19.59	50.05	87.94
MODE	A										

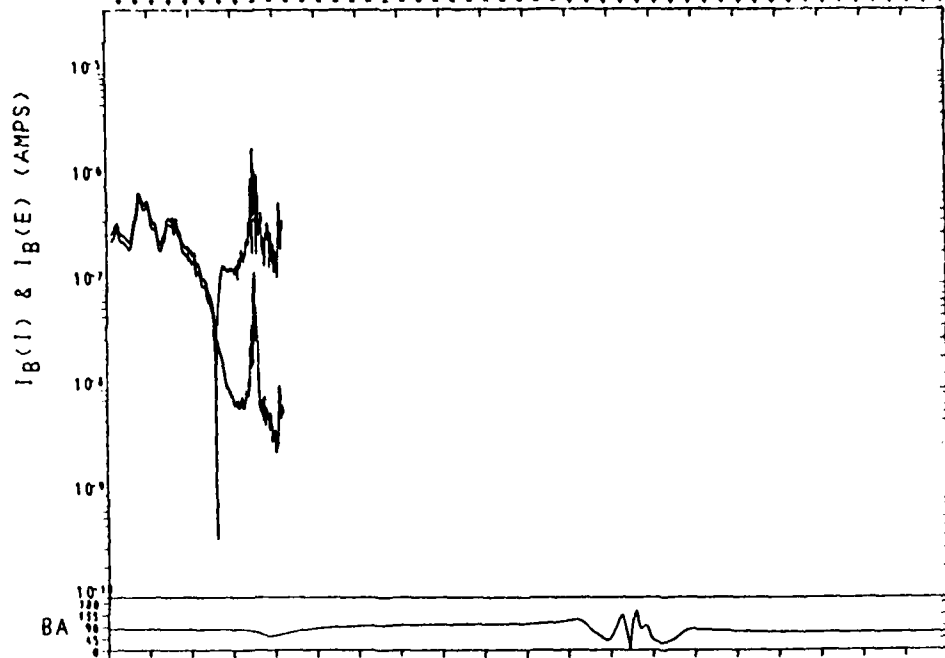


UT	1116:00	1126:00	1136:00	1146:00	1156:00	1206:00	1216:00	1226:00	1236:00	1246:00	1256:00
LT	1010:38	0905:22	2324:51	2240:16	2221:24	2152:29	1348:39	1051:40	1024:44	1007:33	0933:05
ALT	270.62	264.46	279.31	259.70	228.23	203.10	183.28	171.44	184.62	228.31	268.02
LAT	-32.96	-72.33	-65.69	-26.36	13.38	33.79	81.74	63.21	7.66	-37.96	-76.88
LOW	343.33	324.33	176.80	163.13	153.94	146.21	22.75	336.00	327.66	319.98	293.88
HLAT	-23.86	-62.30	-67.61	-32.65	5.66	4.26	75.60	50.34	11.33	-27.99	-67.54
L	1.34	3.68	69.58	1.48	1.01	2.13	21.08	2.03	1.05	1.42	4.46
SZA	61.29	99.36	136.47	161.48	136.53	98.87	60.17	25.05	29.90	66.01	104.09
MODE	A										

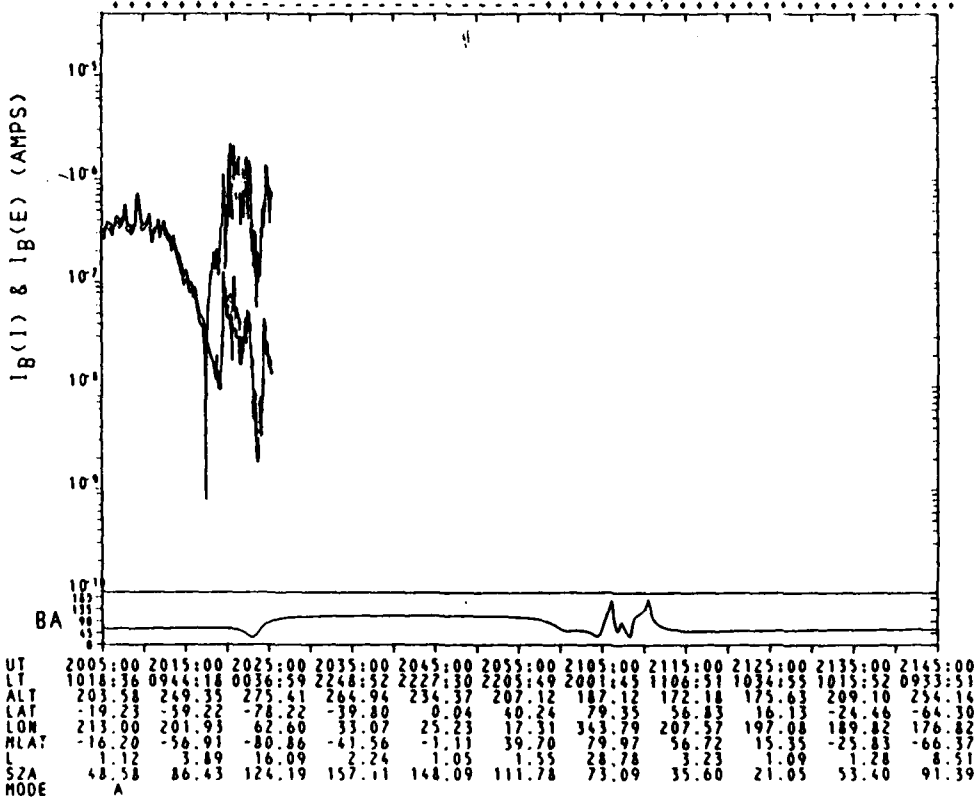
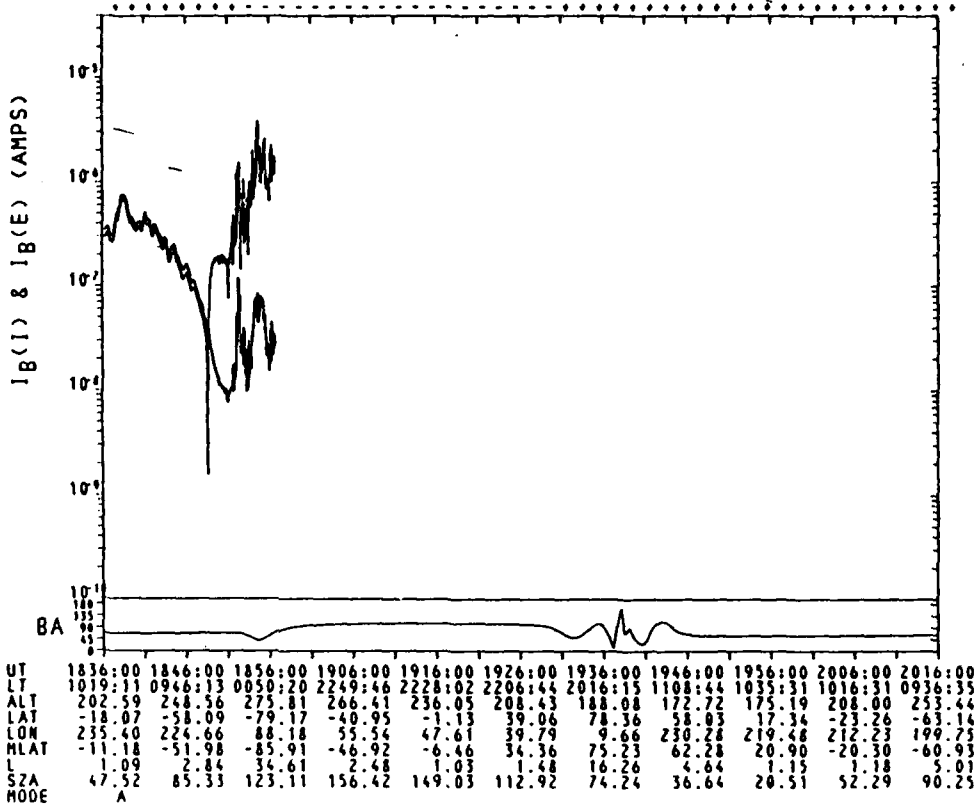




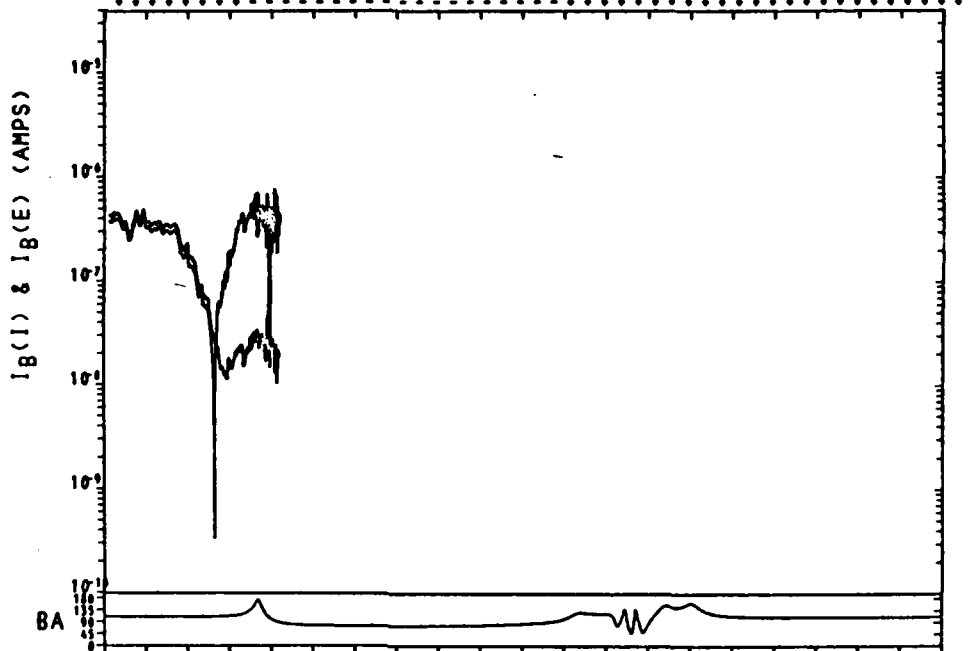
UT	1538:00	1548:00	1558:00	1608:00	1618:00	1628:00	1638:00	1648:00	1658:00	1708:00	1718:00
LT	1020:17	0949:33	0123:05	2251:33	2229:03	2208:23	2037:52	1112:40	1036:40	1017:44	0941:13
ALT	200.67	246.92	276.39	269.12	239.29	210.98	189.91	173.65	174.59	205.92	252.00
LAT	-15.86	-55.93	-80.85	-43.13	-3.36	36.80	76.38	60.29	19.64	-20.98	-60.93
LON	280.17	269.98	140.87	100.68	92.36	84.69	59.56	275.76	264.26	257.03	245.40
MLAT	-4.64	-45.08	-84.07	-54.32	-14.21	26.36	67.35	71.16	29.83	-11.29	-52.00
L	1.08	1.93	60.26	3.38	1.02	1.31	9.38	10.65	1.36	1.10	2.64
SZA	45.51	83.22	121.06	155.01	150.78	115.07	76.43	38.64	19.64	50.18	88.07
MODE	A										



UT	1707:00	1717:00	1727:00	1737:00	1747:00	1757:00	1807:00	1817:00	1827:00	1837:00	1847:00
LT	1019:45	0947:58	0103:36	2250:39	2228:33	2207:35	2028:05	1110:40	1036:06	1017:08	0939:02
ALT	201.62	247.75	276.13	267.80	237.69	209.72	189.02	173.26	174.88	206.95	252.74
LAT	-16.96	-57.00	-80.05	-42.06	-2.26	37.91	77.37	59.18	18.51	-22.11	-62.02
LON	257.78	247.34	114.25	78.01	69.98	62.25	36.87	253.01	241.87	234.63	222.61
MLAT	-7.19	-47.95	-88.33	-51.41	-11.00	29.78	70.94	67.40	25.94	-15.28	-56.03
L	1.07	2.25	76.12	2.90	1.02	1.39	11.58	7.41	1.23	1.13	1.45
SZA	46.50	84.26	122.07	155.72	149.93	114.01	75.35	37.65	20.04	51.71	88.14
MODE	A										

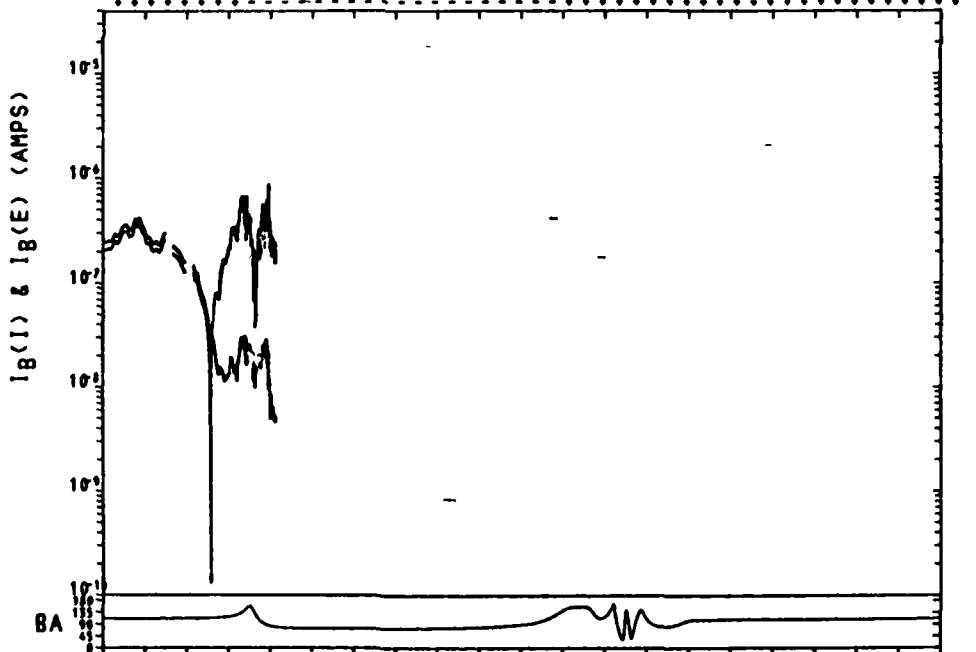


I_B(I) & I_B(E) (AMPS)

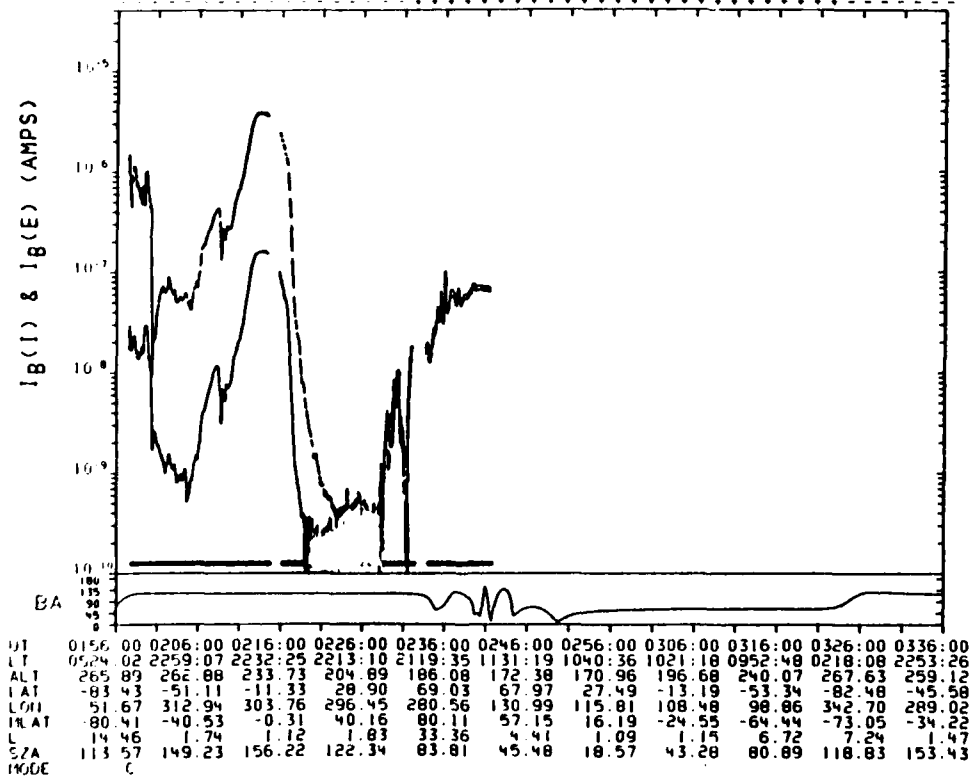
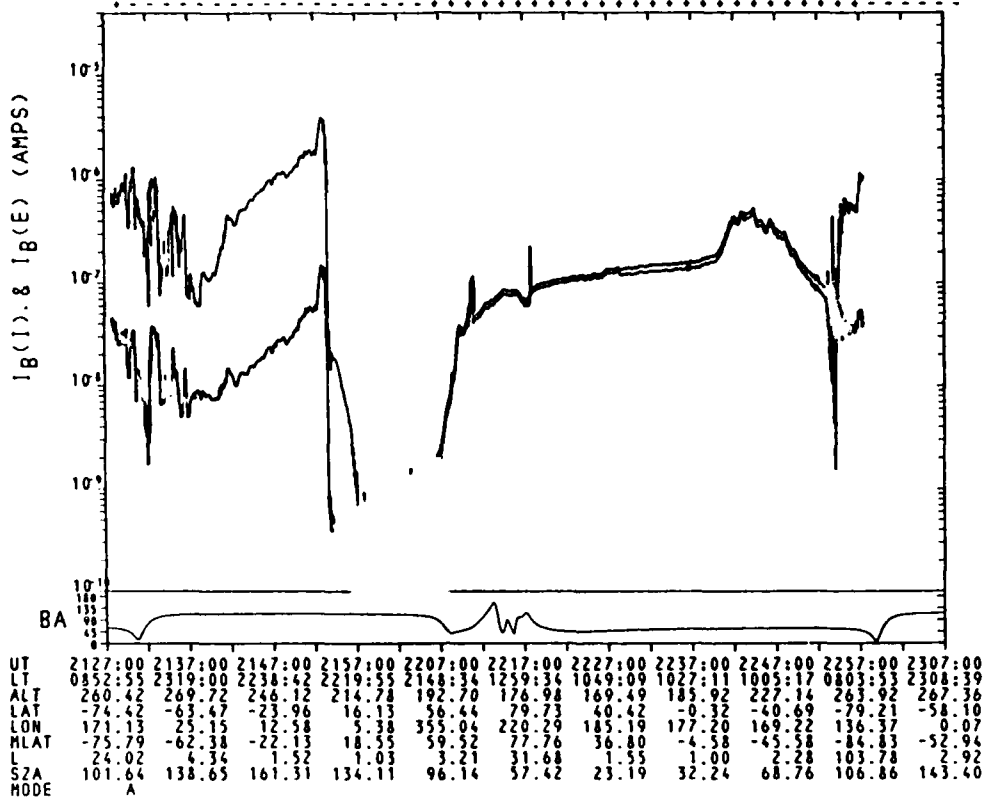


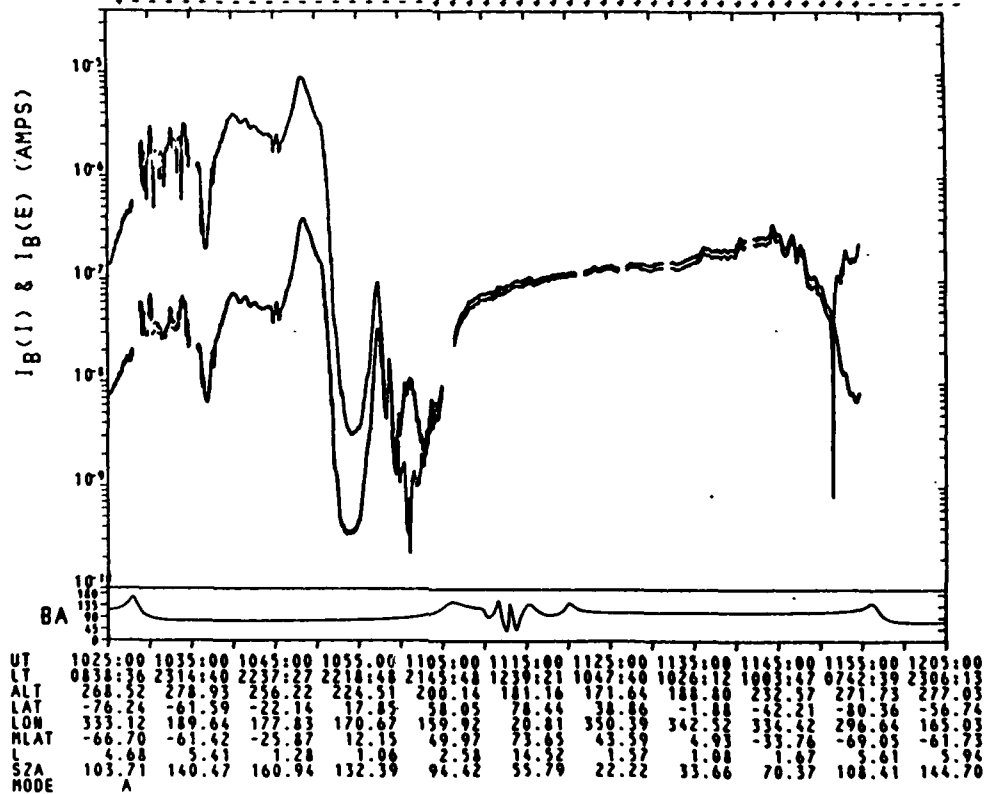
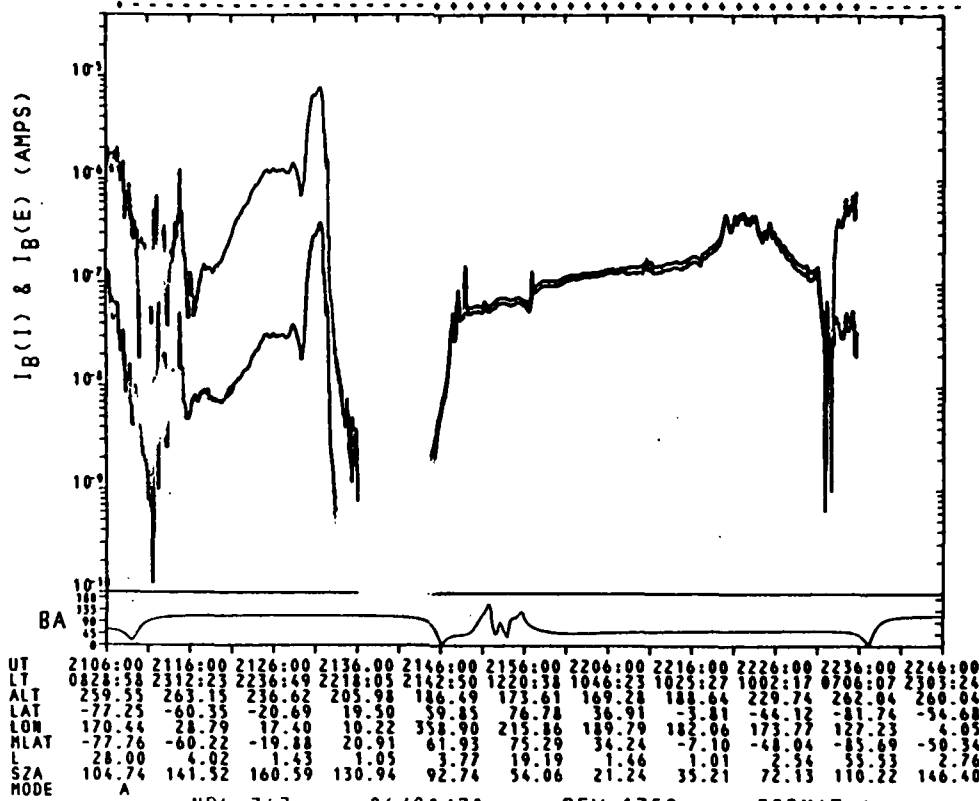
UT	0923:00	0933:00	0943:00	0953:00	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00
LT	1019:55	0948:45	0115:07	2231:01	2228:40	2207:50	2032:20	1111:27	1036:13	1017:16	0932:00
ALT	202.05	247.30	274.65	263.88	234.27	206.43	186.96	175.84	175.67	207.45	232.00
LAT	-16.33	-56.30	-80.31	-42.68	-2.84	37.40	76.94	59.60	18.99	21.61	3.60
LONG	-13.98	3.30	232.66	194.33	18.03	178.33	151.96	59.72	357.93	350.70	336.80
RLAT	1.30	-51.89	-71.66	-42.68	-2.84	37.40	67.26	59.72	22.77	-15.86	-3.60
RLONG	1.30	2.87	8.32	42.68	0.02	1.63	9.26	9.72	1.03	1.36	2.70
SZA	46.02	83.75	121.58	155.58	150.29	114.42	75.74	37.99	19.90	50.84	88.74
MODE	A										

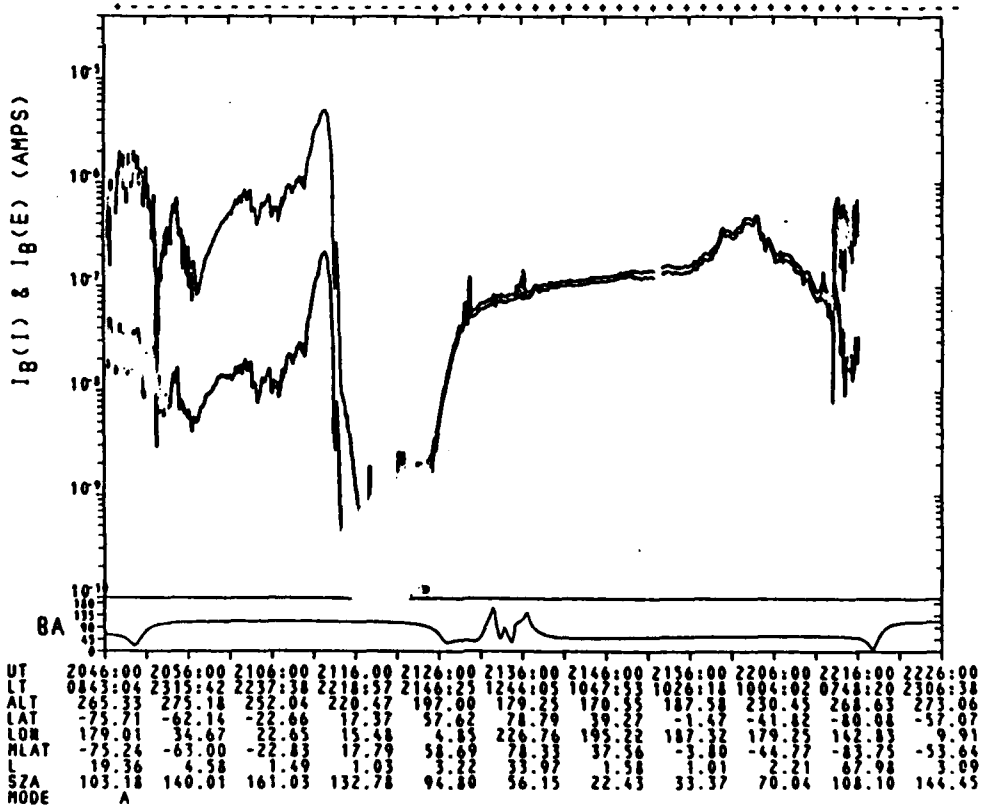
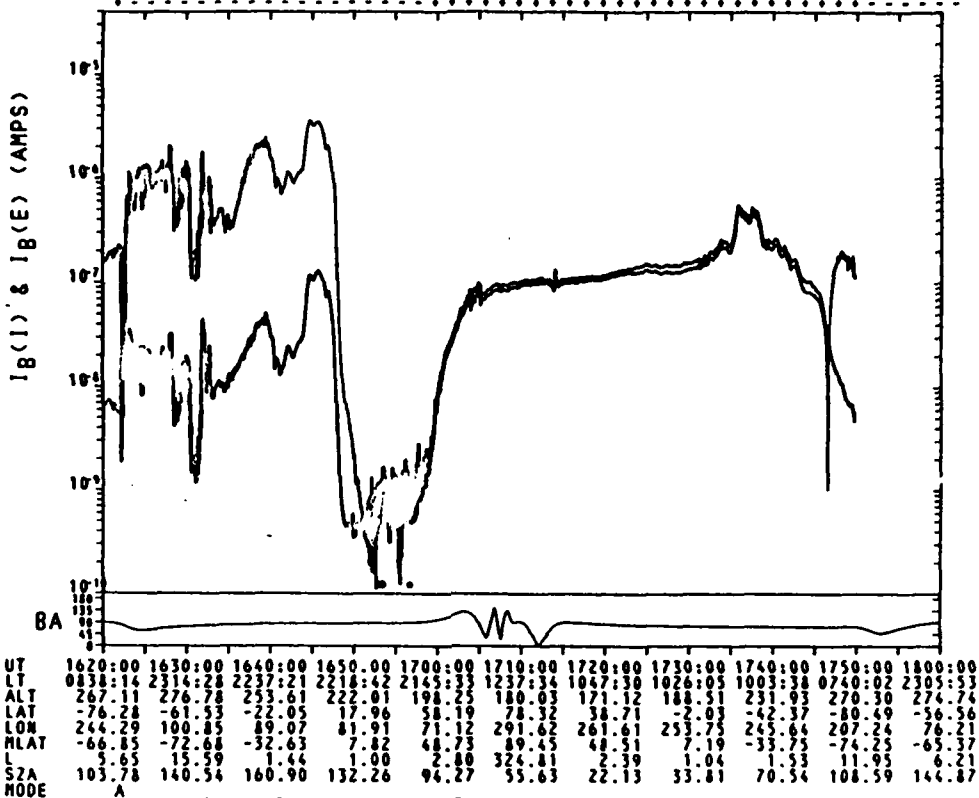
I_B(I) & I_B(E) (AMPS)

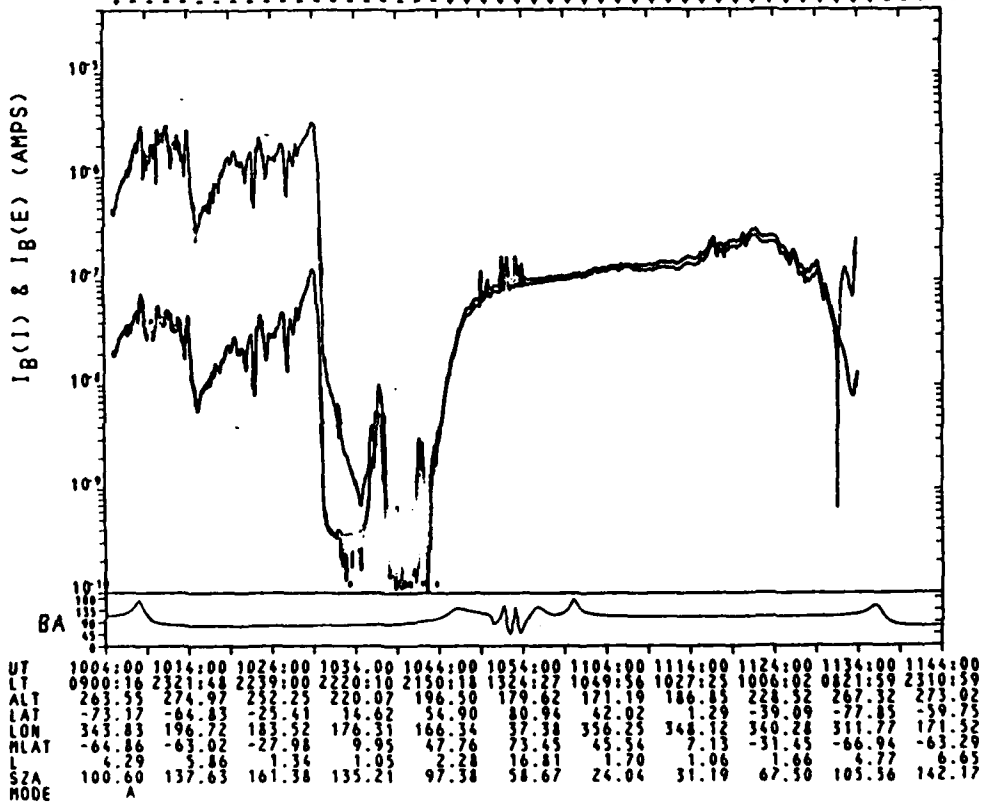
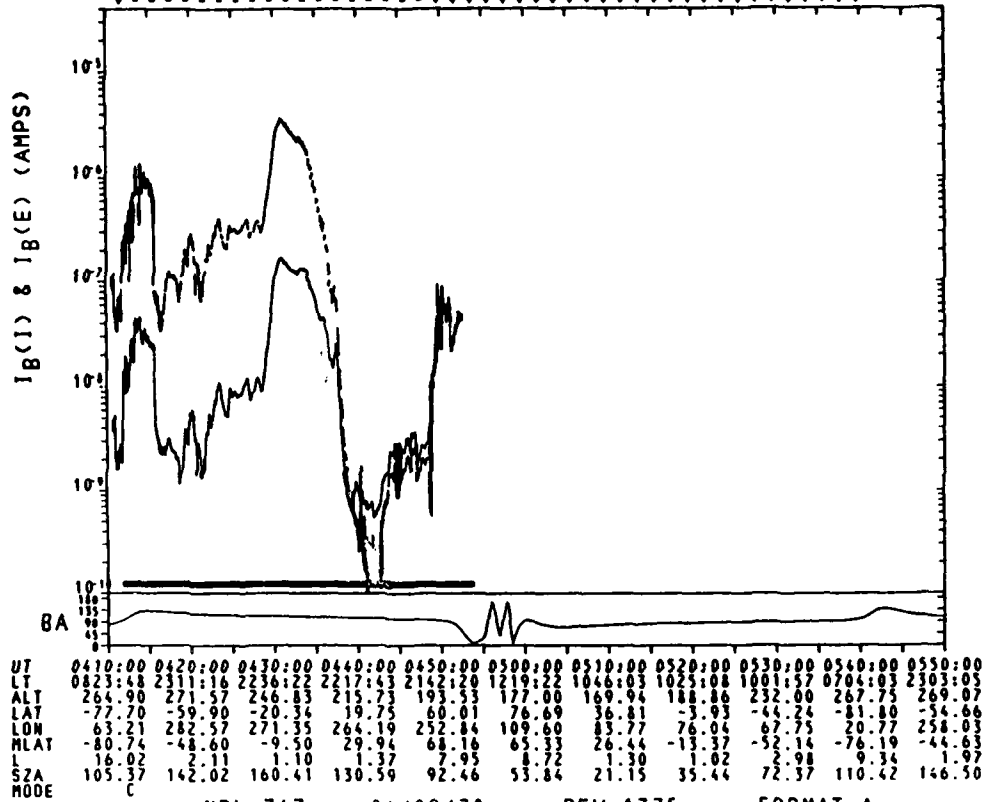


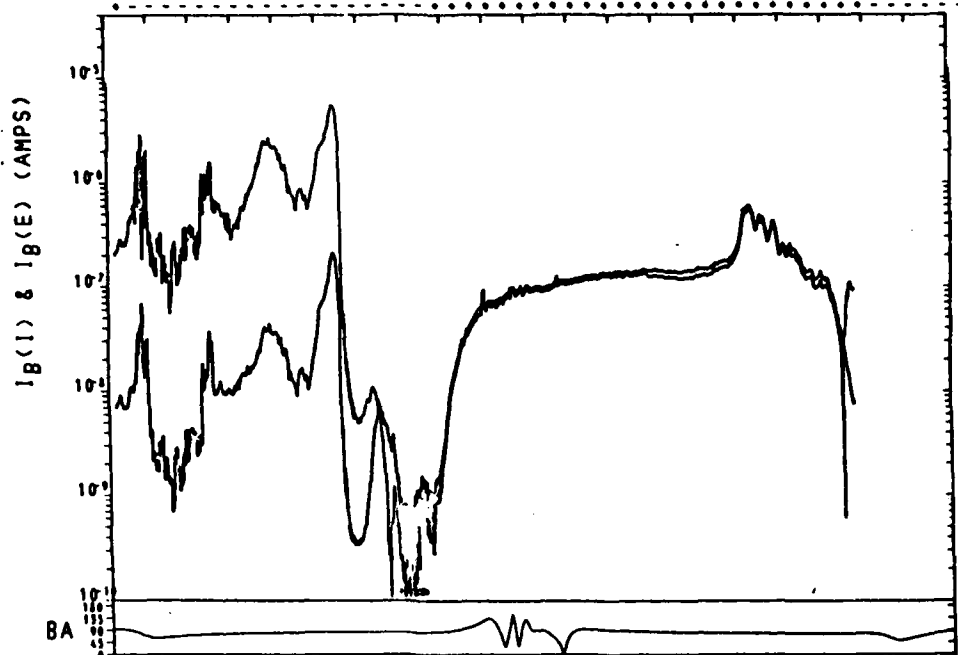
UT	1052:00	1102:00	1112:00	1122:00	1132:00	1142:00	1152:00	1202:00	1212:00	1222:00	1232:00
LT	1019:18	0946:22	0956:46	2230:01	2228:40	2207:50	2032:20	1111:27	1036:13	1017:16	0932:00
ALT	203.15	248.28	274.33	263.74	234.27	206.43	186.96	175.84	175.67	207.45	232.00
LAT	-17.57	-53.28	-79.57	-51.42	-3.37	35.86	78.09	59.60	18.99	21.61	3.60
LONG	-31.46	340.85	205.82	171.63	16.30	155.86	126.63	34.60	333.79	328.88	336.80
RLAT	-12.01	-49.64	-73.78	-43.84	-1.07	30.43	66.93	60.83	22.77	-15.86	-3.60
RLONG	1.29	2.64	11.79	2.32	1.07	1.37	9.26	8.72	1.03	1.23	2.70
SZA	47.13	84.93	122.72	156.17	149.31	113.22	74.52	36.88	20.40	52.01	89.41
MODE	A										



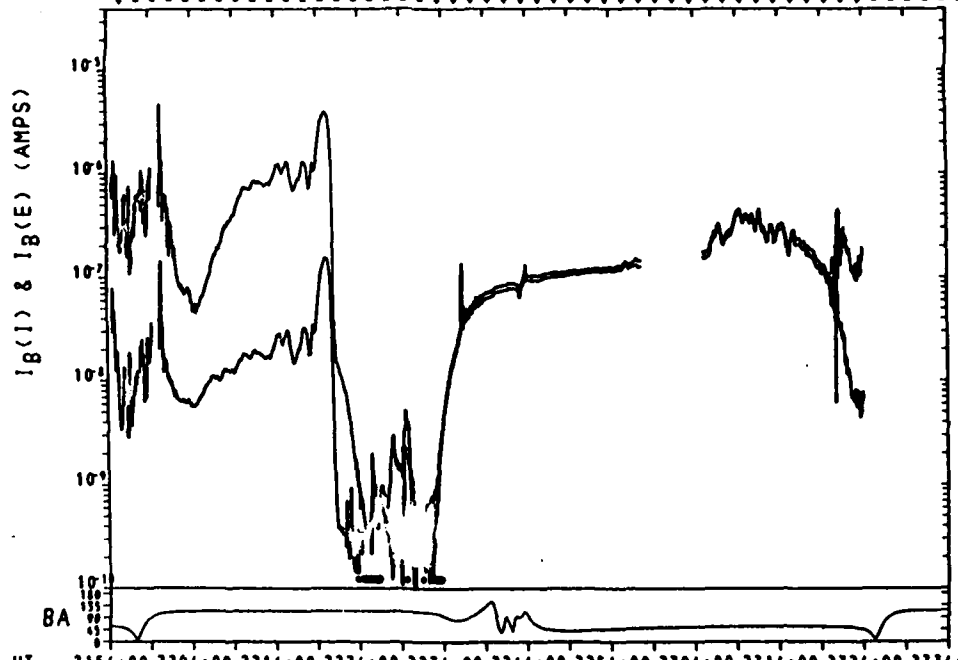




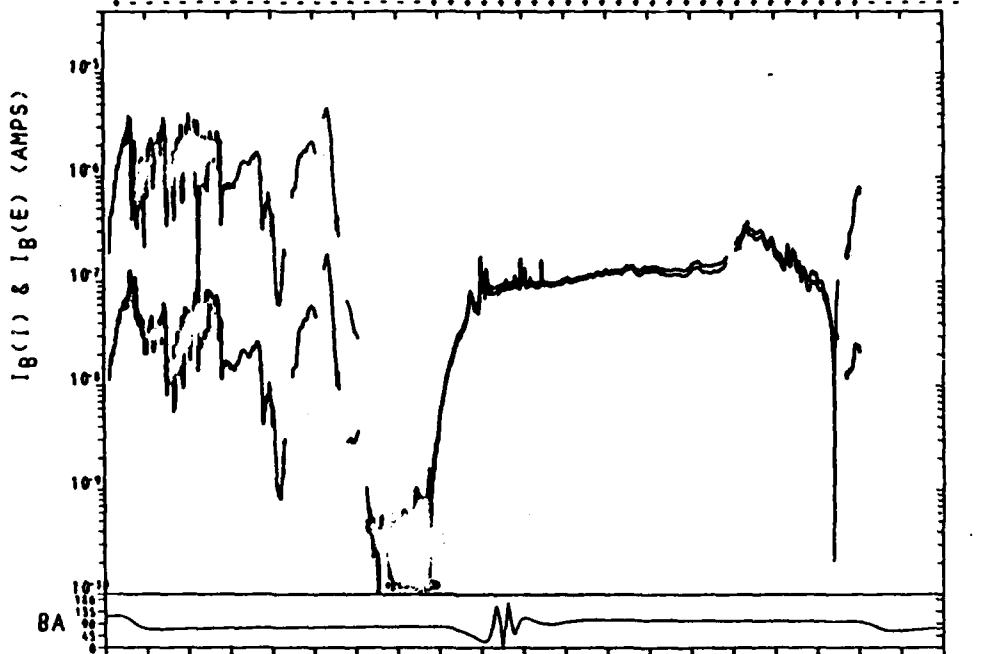




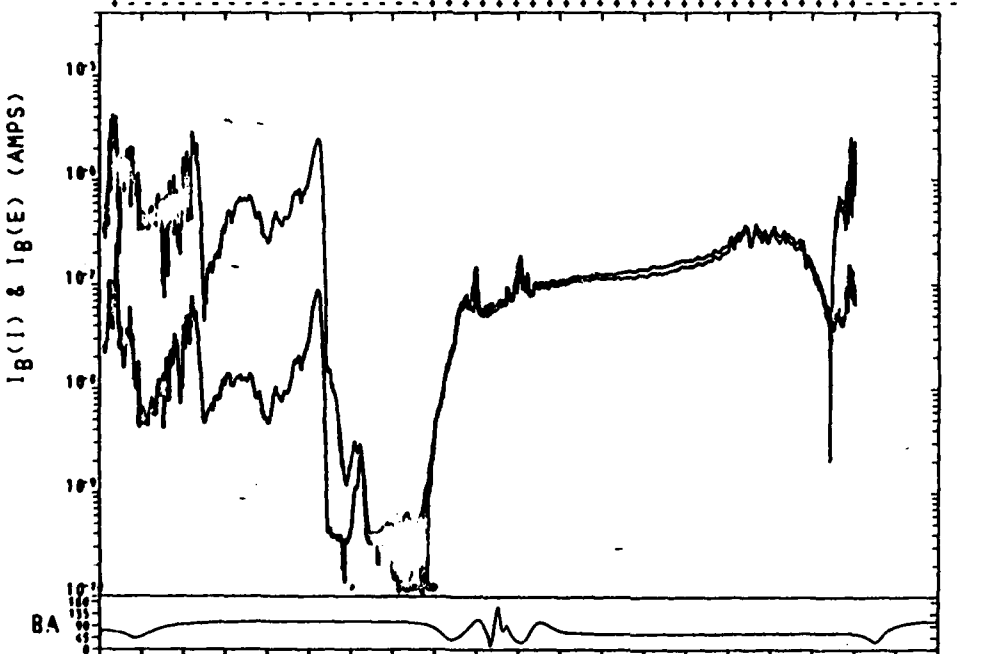
UT	1559:00	1609:00	1619:00	1629:00	1639:00	1649:00	1659:00	1709:00	1719:00	1729:00	1739:00
LT	0854:13	2319:09	2238:21	2219:35	2148:38	1304:16	1048:55	1026:59	1003:07	0809:03	2308:52
ALT	262.96	272.60	248.89	216.94	194.22	178.21	170.70	187.35	229.05	268.50	270.62
LAT	-74.16	-63.78	-24.30	15.76	36.06	80.05	40.83	0.09	-40.26	-78.84	-58.58
LOW	253.59	107.32	94.62	87.43	77.19	303.70	267.26	259.24	251.31	219.80	82.25
HLAT	-64.10	-75.12	-35.24	5.19	46.08	87.01	51.17	9.90	-31.02	-71.55	-68.13
L	4.58	24.62	1.53	1.00	2.32	173.01	2.72	1.06	-1.43	8.96	7.93
SZA	101.64	138.60	161.27	134.16	96.23	57.53	23.30	32.17	68.64	106.70	143.21
MODE	A										



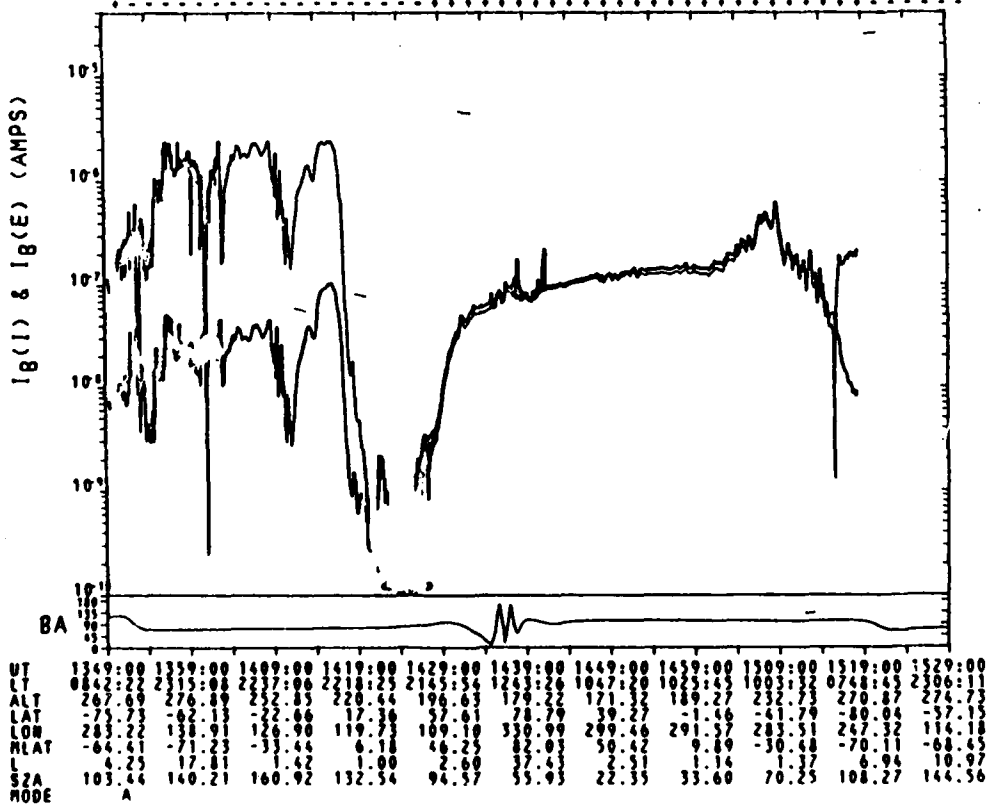
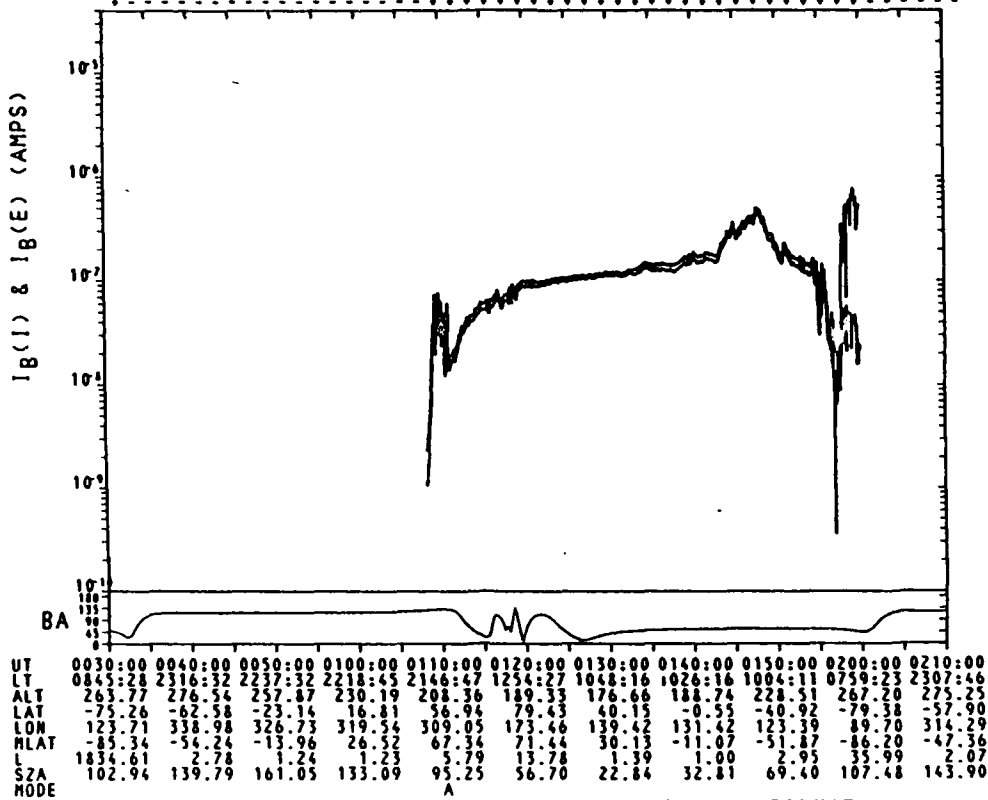
UT	2154:00	2204:00	2214:00	2224:00	2234:00	2244:00	2254:00	2304:00	2314:00	2324:00	2334:00
LT	0843:59	2315:44	2237:28	2218:44	2146:03	1242:17	1047:35	1026:02	1003:43	0746:06	2106:10
ALT	262.42	269.79	244.93	213.32	191.57	176.46	170.08	188.00	229.84	265.57	267.28
LAT	-75.57	-62.25	-22.71	17.40	57.71	78.68	39.13	-1.61	-41.94	-80.18	-58.90
LOW	162.29	17.73	5.66	358.48	347.81	209.37	178.19	170.30	162.23	125.32	352.84
HLAT	-78.26	-59.89	-19.59	21.11	62.11	75.48	34.29	-7.07	-48.05	-86.70	-50.65
L	38.20	3.86	1.47	1.05	3.64	21.06	1.47	1.01	2.54	86.52	2.66
SZA	103.13	140.00	161.00	132.66	94.61	55.93	22.31	33.57	70.26	108.32	144.67
MODE	A										

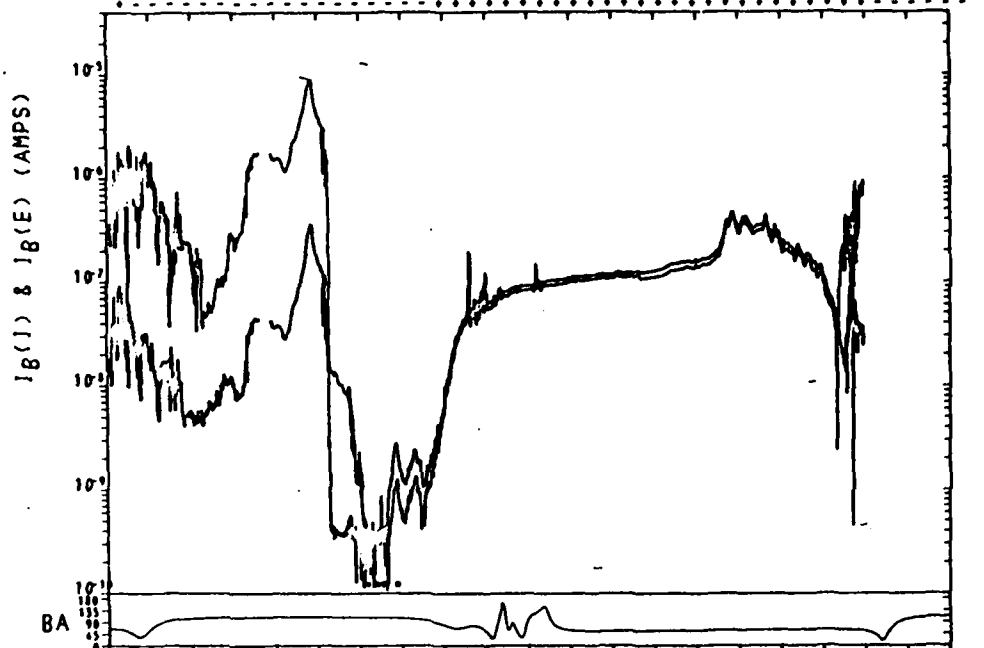


UT	1409:00	1419:00	1429:00	1439:00	1449:00	1459:00	1509:00	1519:00	1529:00	1539:00	1549:00
LT	0852:56	2318:29	2238:01	2219:14	2147:53	1258:14	1048:24	1026:28	1004:37	0803:45	2307:57
ALT	260.82	267.97	242.67	210.76	189.65	175.95	170.51	188.09	228.96	264.09	265.42
LAT	-74.33	-63.57	-24.03	16.10	56.45	79.71	40.39	-0.33	-40.67	-79.18	-58.13
LON	280.81	134.70	122.08	114.89	104.55	329.63	294.68	286.69	278.73	246.02	109.57
MLAT	-63.04	-73.17	-35.08	4.79	45.13	82.52	51.69	11.02	-29.48	-69.41	-69.49
L	3.95	24.60	1.48	1.00	2.48	44.71	2.72	1.13	1.35	6.64	11.91
SZA	101.89	138.86	161.20	133.77	95.77	57.05	23.01	32.59	69.71	107.17	143.66
MODE	A										

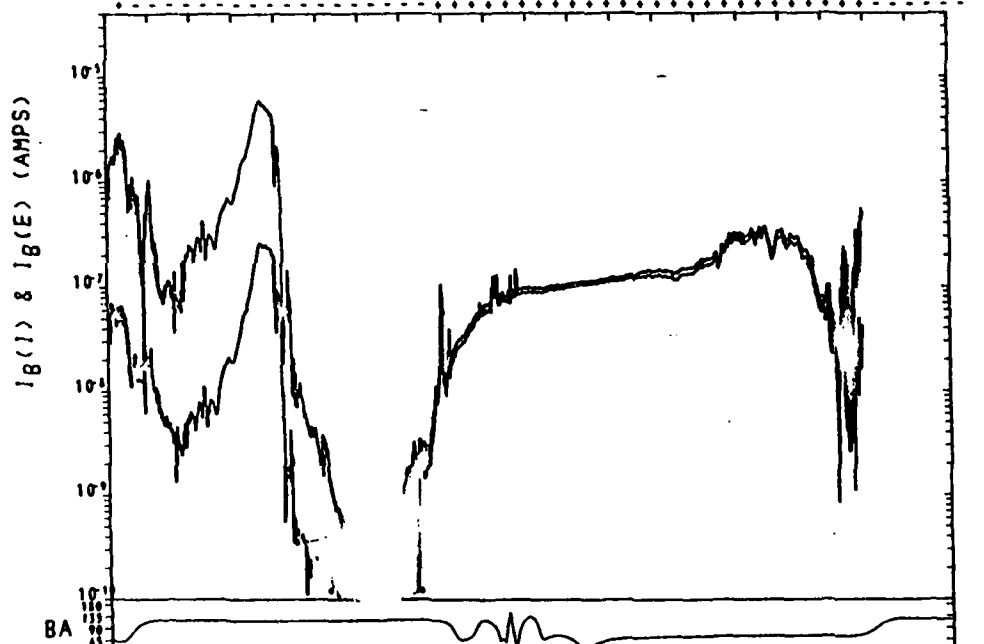


UT	1835:00	1845:00	1855:00	1905:00	1915:00	1925:00	1935:00	1945:00	1955:00	2005:00	2015:00
LT	0847:47	2316:39	2257:32	2218:47	2146:31	1246:22	1047:40	1026:02	1003:52	0731:30	2306:30
ALT	260.13	265.98	240.05	208.43	187.99	174.91	170.10	188.28	229.08	263.12	263.16
LAT	-75.06	-62.77	-23.19	16.97	57.33	78.98	39.49	-1.23	-41.57	-79.90	-57.23
LON	213.03	67.75	55.47	48.28	37.72	260.18	228.00	220.09	212.06	176.46	42.71
MLAT	-69.27	-69.91	-29.52	11.25	52.36	84.38	44.13	2.78	-38.18	-78.14	-60.07
L	8.09	7.82	1.48	1.02	2.83	221.42	1.91	1.02	1.76	23.35	4.11
SZA	102.67	139.59	161.06	132.97	94.91	56.20	22.49	33.34	69.97	108.04	144.45
MODE	A										

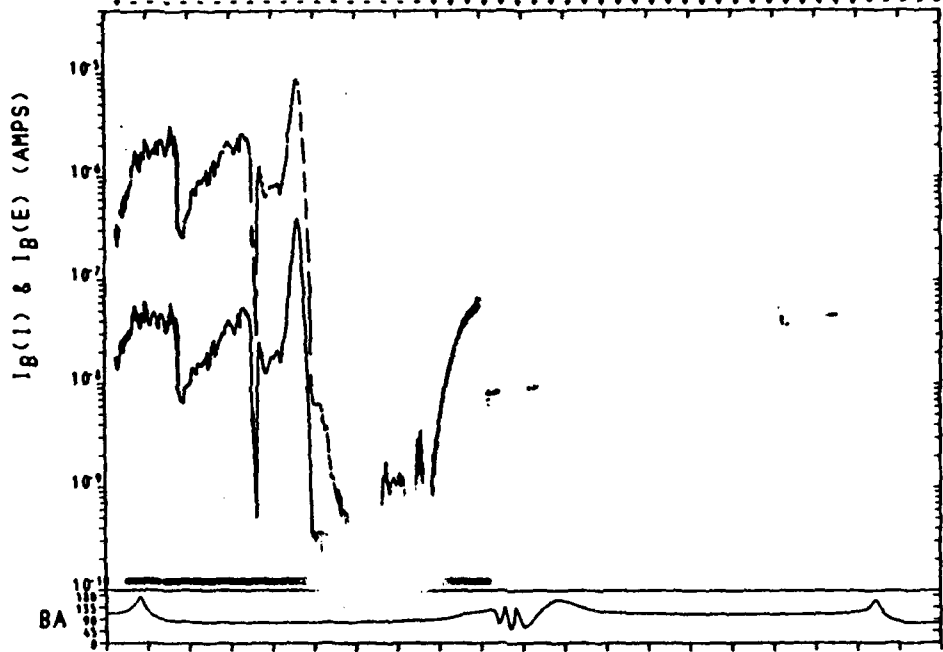




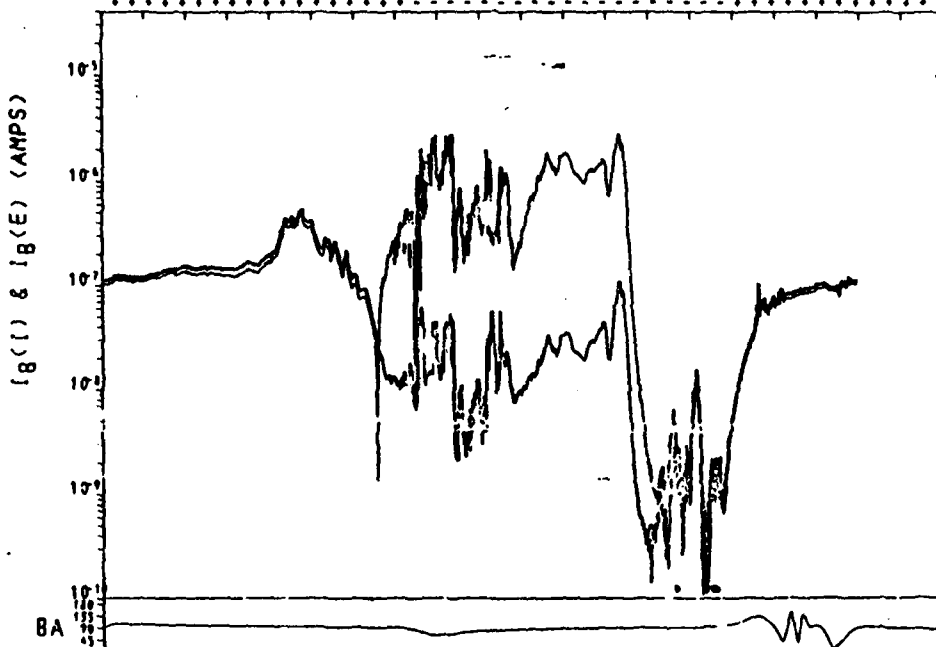
UT	1944:00	1954:00	2004:00	2014:00	2024:00	2034:00	2044:00	2054:00	2104:00	2114:00	2124:00
LT	0837:33	2313:47	2236:42	2218:01	2144:41	1234:54	1046:44	1025:22	1002:51	0736:31	2304:59
ALT	266.35	274.20	249.45	217.31	194.29	177.72	170.66	149.20	232.41	269.31	271.74
LAT	-76.29	-61.50	-21.99	-07	52.34	78.16	38.51	-2.23	-42.55	-80.62	-56.37
LOX	193.28	49.83	38.06	30.89	20.06	240.11	210.57	202.73	194.60	155.52	-25.14
RLAT	-73.22	-65.40	-25.19	15.47	56.44	80.38	39.42	-1.52	-42.45	-81.71	-55.82
L	13.21	5.38	1.46	1.03	56.12	51.79	1.67	1.01	2.02	42.13	3.42
SZA	104.06	140.79	160.75	131.88	93.84	55.20	21.93	34.25	70.99	109.02	145.24
MODE	A										



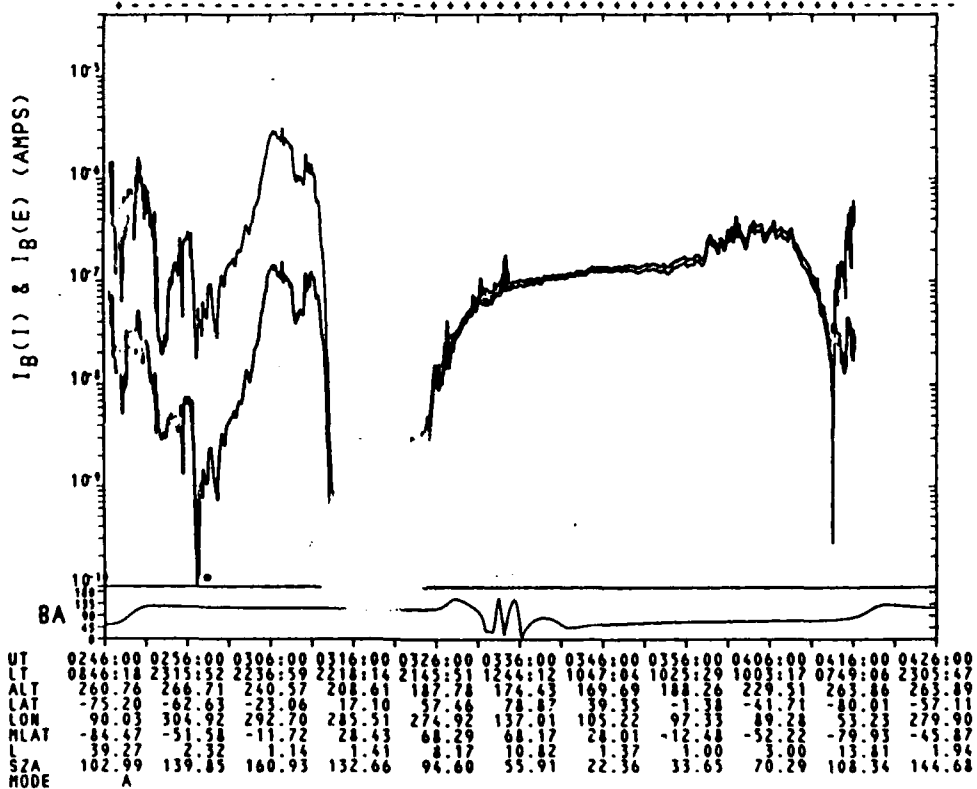
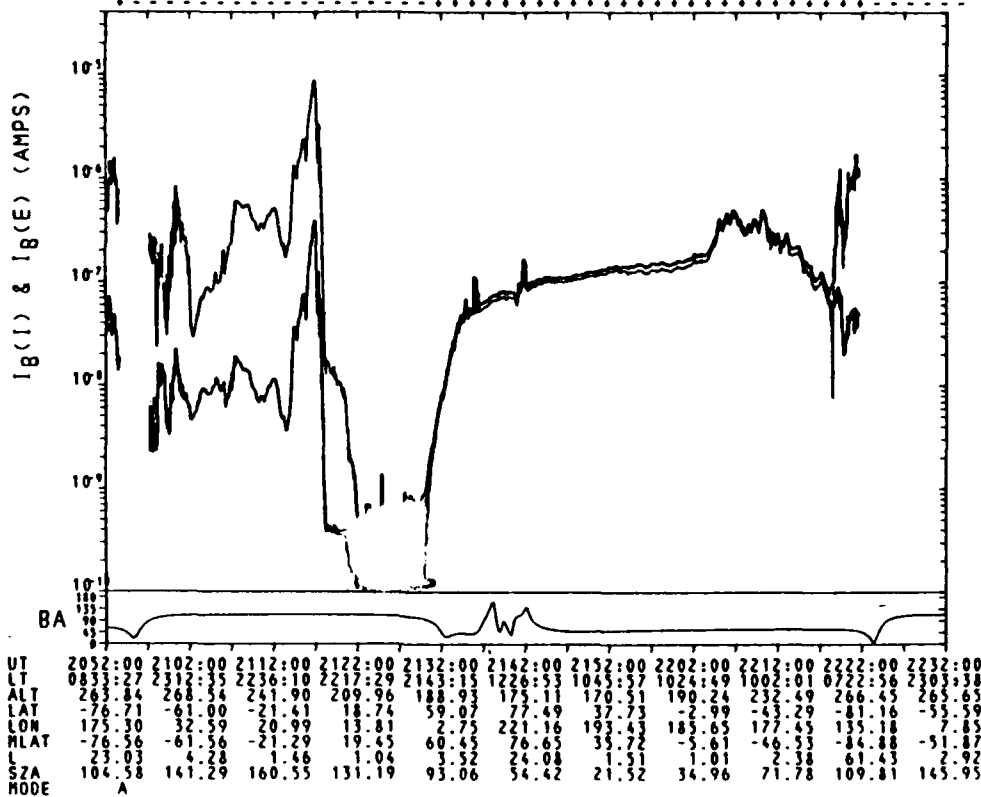
UT	0139:00	0149:00	0159:00	0209:00	0219:00	0229:00	0239:00	0249:00	0259:00	0309:00	0319:00
LT	0827:00	2311:24	2235:59	2217:19	2142:22	1221:36	1045:41	1024:42	1001:40	0711:00	2302:58
ALT	265.21	271.14	255.47	213.74	191.70	176.08	170.07	189.59	232.71	267.98	268.47
LAT	-71.36	-60.29	-20.72	19.34	59.67	76.98	37.13	-3.59	-43.90	-81.57	-55.01
LOX	101.90	320.50	309.15	301.98	290.74	148.05	121.57	111.83	101.57	60.40	295.90
RLAT	-87.99	-50.17	-9.99	30.45	71.02	67.00	26.00	-14.92	-55.23	-81.41	-43.71
L	72.52	2.29	1.13	1.46	9.37	9.17	1.30	1.00	3.56	16.33	1.82
SZA	105.23	141.87	160.39	130.66	92.54	53.92	21.24	35.41	72.50	110.33	146.39
MODE	A										

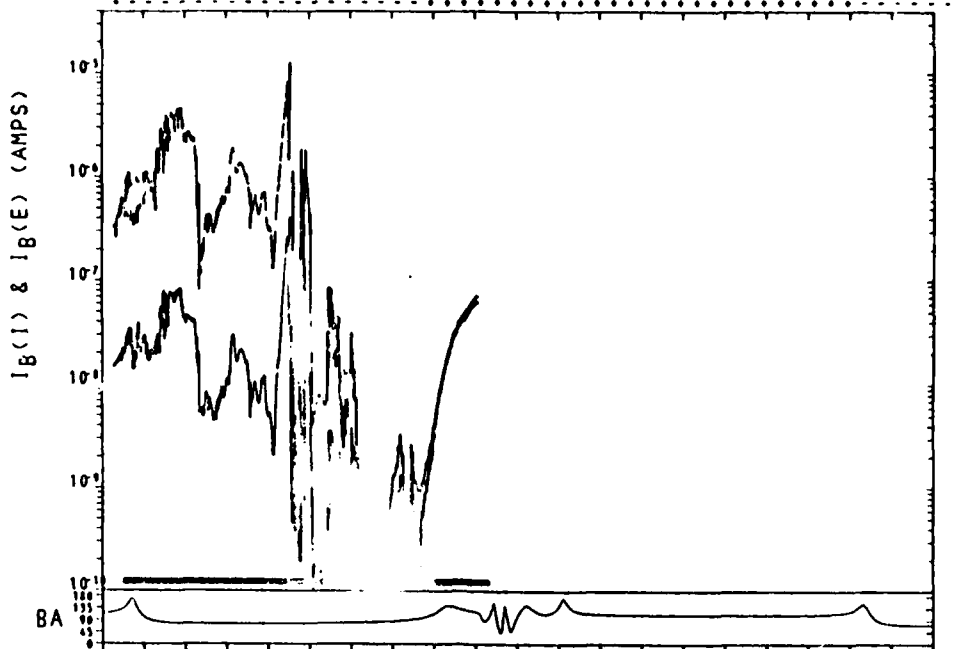


UT	0902:00	0912:00	0922:00	0932:00	0942:00	0952:00	1002:00	1012:00	1022:00	1032:00	1042:00
LT	0855:23	2318:55	2337:53	2219:06	2148:18	1306:20	1048:29	1026:23	1004:42	0810:51	2308:41
ALT	265.74	274.34	269.82	217.02	193.94	178.24	171.57	188.97	233.14	268.59	272.86
LAT	-74.05	-63.91	-24.45	15.61	55.91	80.16	40.97	0.25	-40.09	-78.68	-58.79
LOX	358.01	211.65	198.89	191.69	181.49	48.50	11.34	3.33	355.59	324.63	186.59
HLAT	-67.36	-59.55	-24.04	13.79	51.08	71.73	41.34	3.33	-34.79	-68.39	-59.44
L	0.01	4.38	1.23	1.08	2.54	16.35	1.38	1.09	1.90	1.20	4.77
SZA	101.75	138.66	161.19	134.06	96.15	57.46	23.30	32.27	68.70	106.73	143.20
MODE	C										

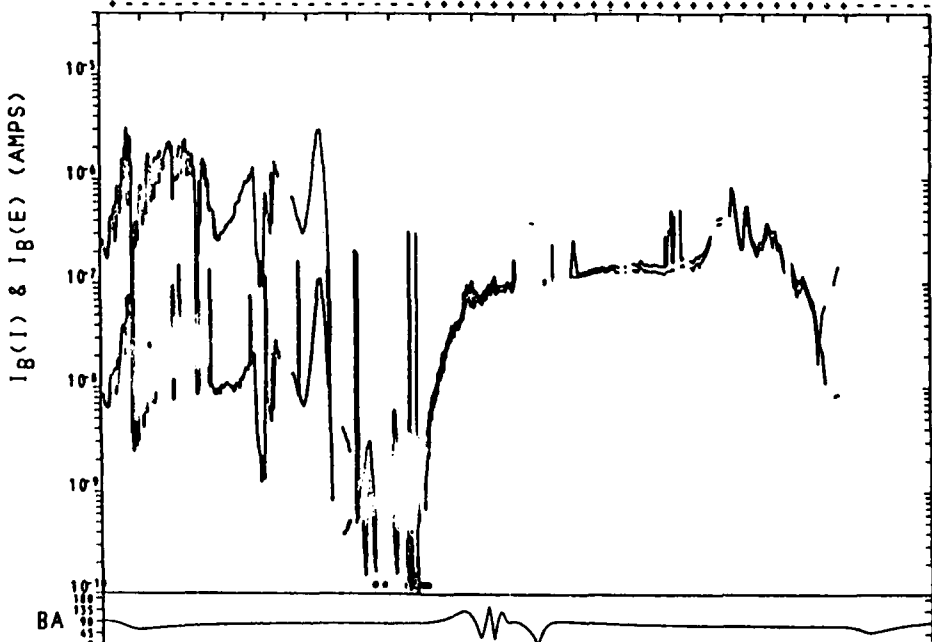


UT	1551:00	1601:00	1611:40	1621:00	1631:00	1641:00	1651:00	1701:00	1711:00	1721:00	1731:00
LT	1118:47	1037:12	1018:14	0948:10	0059:22	2244:58	2229:59	2205:30	2026:07	1108:03	1034:23
ALT	178.52	174.76	234.42	248.45	273.07	260.03	227.59	199.92	187.50	171.43	176.95
LAT	64.49	23.31	-17.31	-57.32	-79.80	-41.08	-1.78	33.51	17.36	51.47	17.80
LOX	291.88	278.98	271.74	261.22	127.02	-91.93	83.93	76.14	47.21	206.70	255.78
HLAT	75.28	34.46	-6.46	-47.01	-86.52	-52.40	-12.02	28.18	70.60	68.54	27.12
L	14.19	1.57	1.08	2.07	98.82	3.94	1.00	1.34	11.47	8.43	1.27
SZA	41.30	19.00	47.49	85.23	122.99	156.28	148.93	112.78	74.06	36.51	20.73
MODE	A										

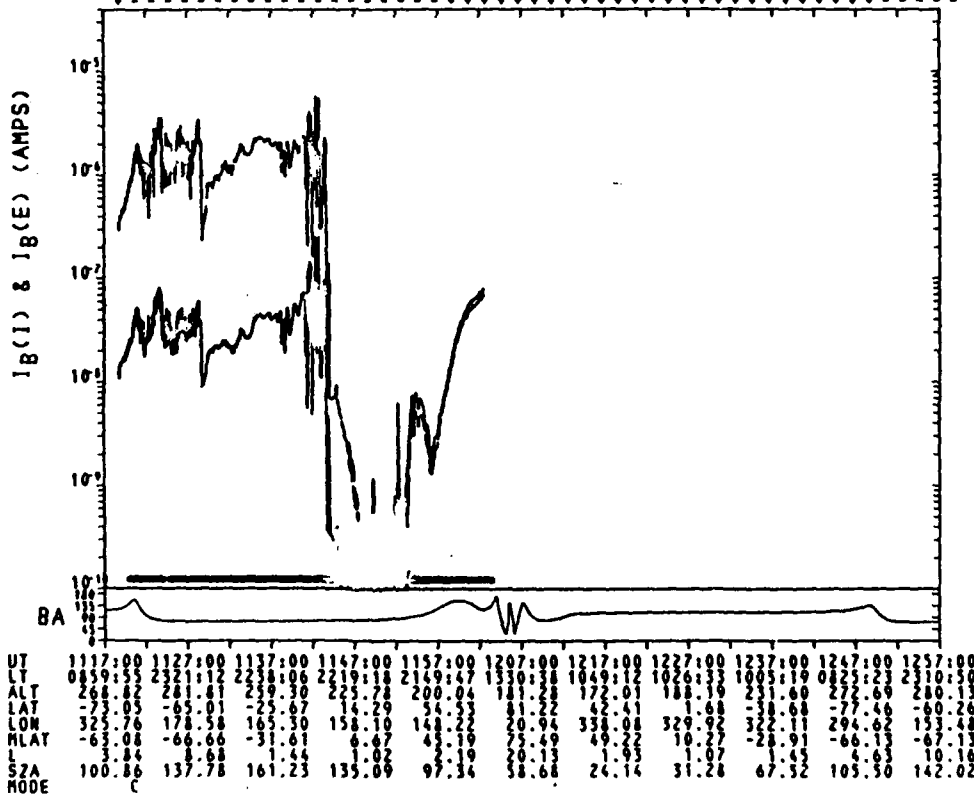
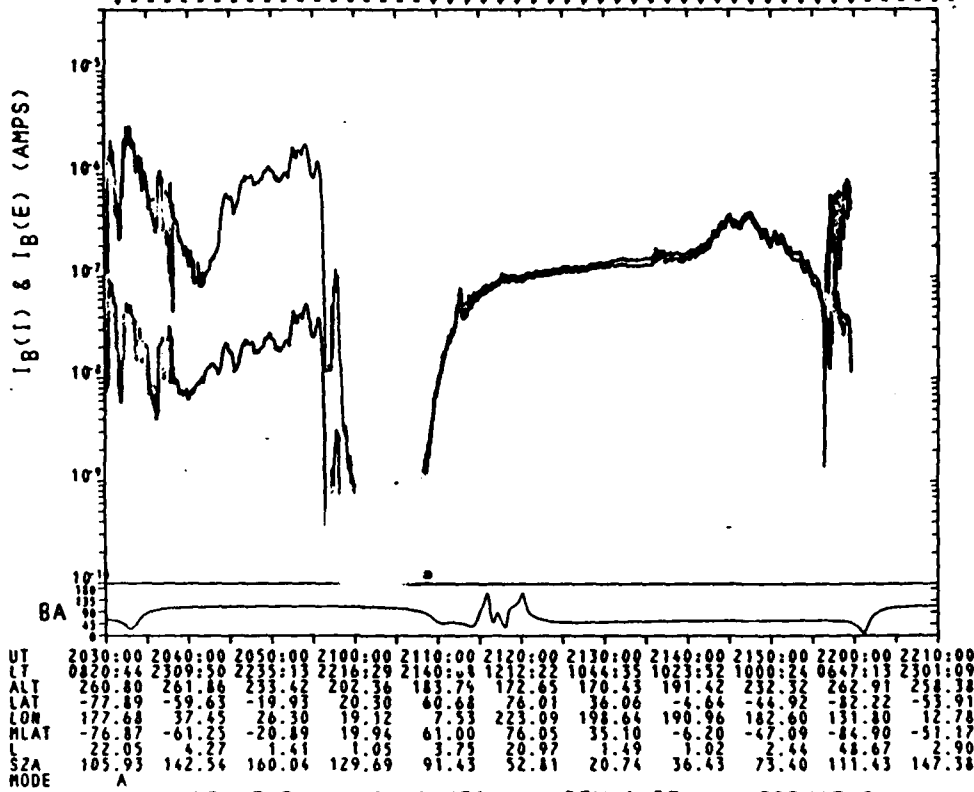


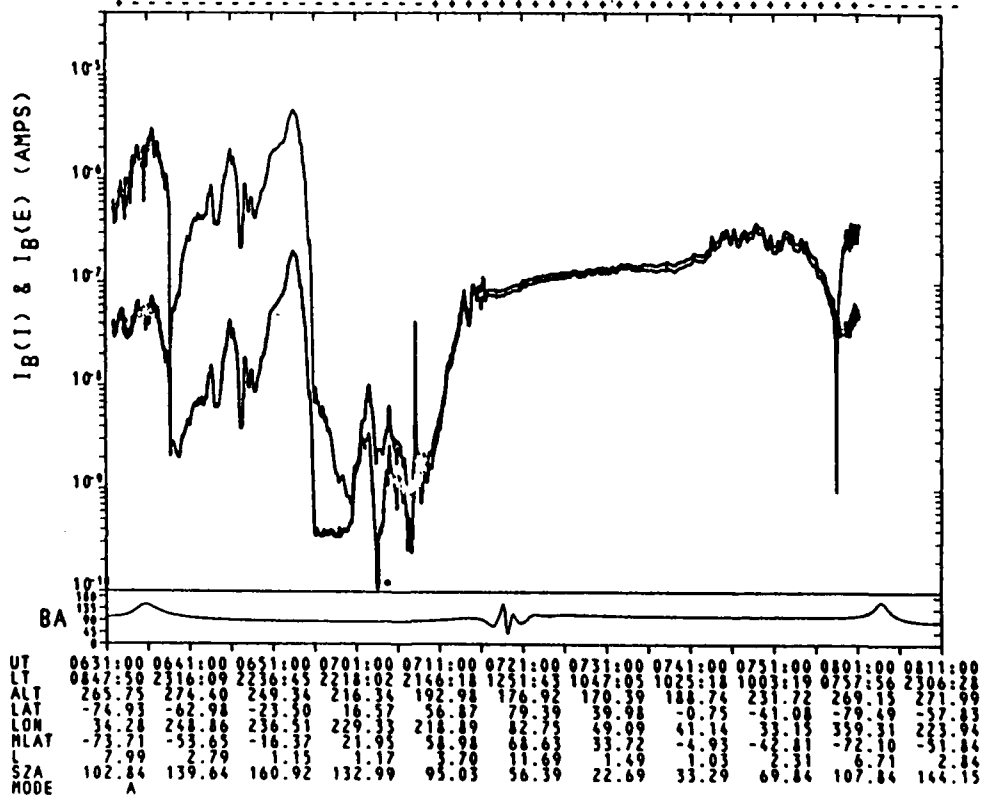
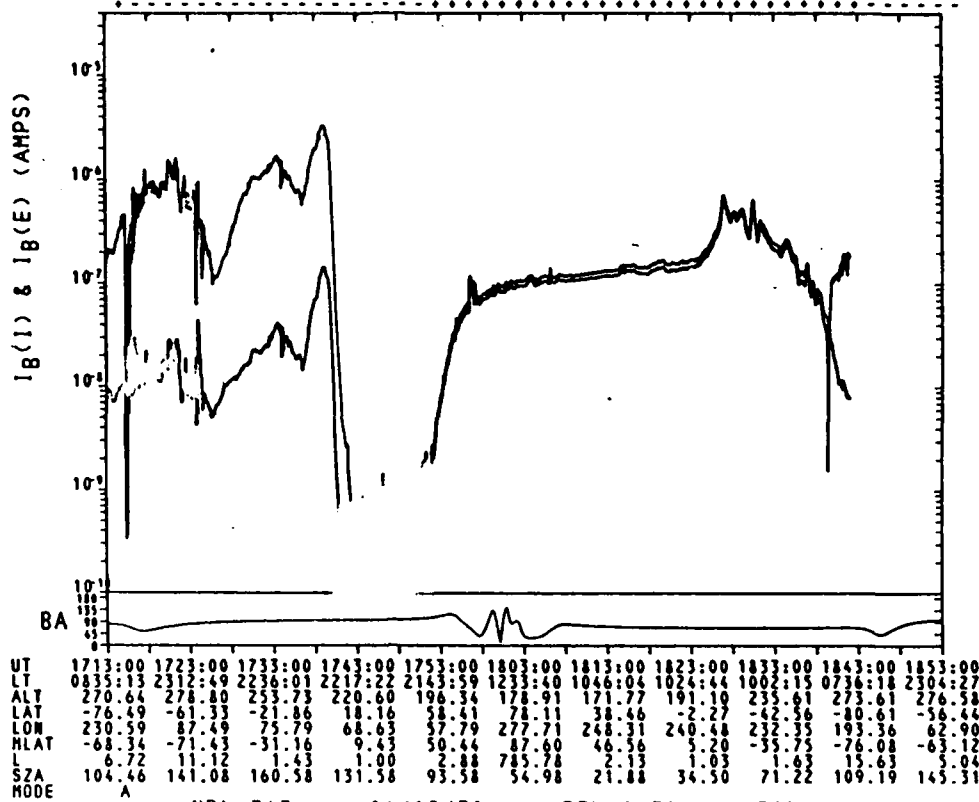


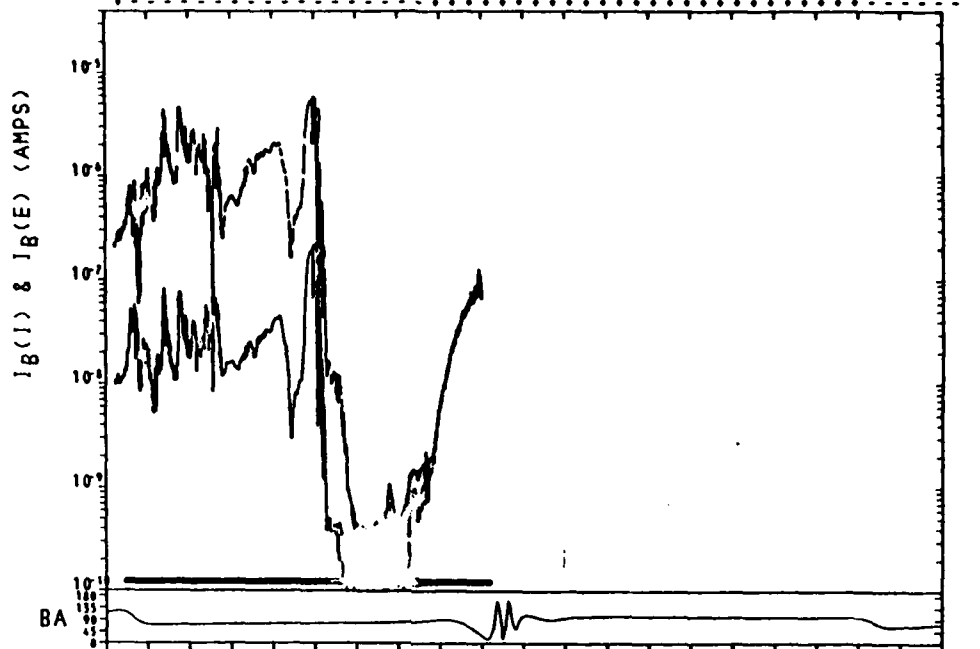
UT	1007:00	1019:00	1029:00	1039:00	1049:00	1059:00	1109:00	1119:00	1129:00	1139:00	1149:00
LT	0850:36	2317:18	2237:17	2218:30	2146:59	1253:05	1047:34	1025:44	1003:47	0759:25	2308:56
ALT	261.82	267.81	241.40	209.07	188.25	175.38	171.09	189.59	230.58	264.92	266.99
LAT	-74.58	-63.30	-23.74	16.41	56.77	79.44	40.05	-0.65	-40.97	-79.41	-57.85
LDW	340.37	194.54	182.04	174.85	164.62	24.49	354.61	346.66	338.67	305.88	169.45
MLAT	-65.81	-62.04	-26.65	11.45	49.31	73.35	43.95	5.47	-33.09	-68.26	-61.93
L	4.68	5.53	1.30	1.06	2.46	15.16	1.60	1.07	1.89	5.24	5.97
SZA	102.37	139.27	161.04	133.26	95.24	56.55	22.75	33.08	69.62	107.66	144.06
MODE	C										



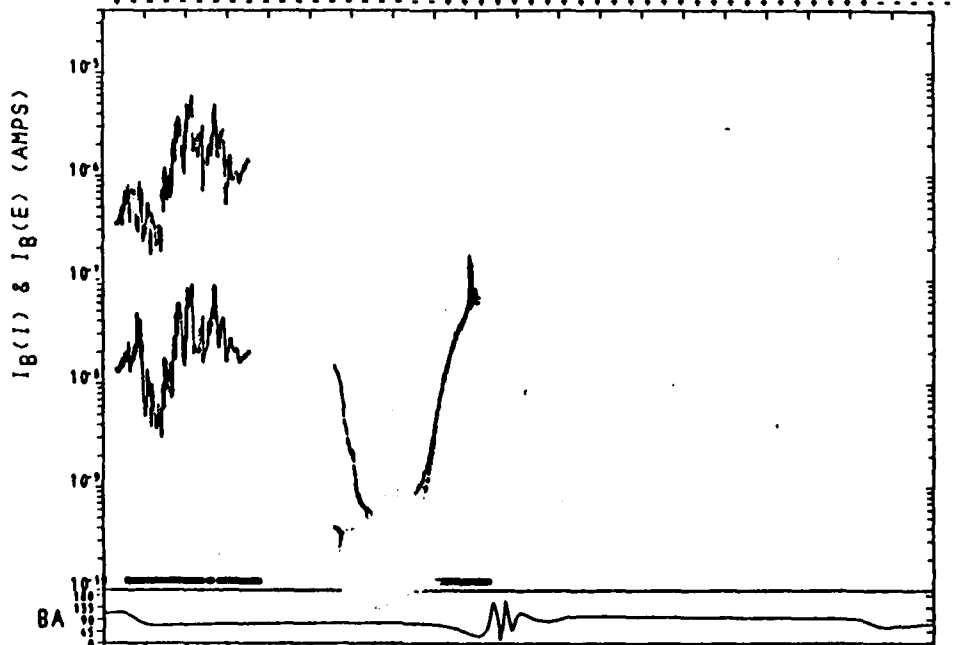
UT	1604:00	1614:00	1624:00	1634:00	1644:00	1654:00	1704:00	1714:00	1724:00	1734:00	1744:00
LT	0832:11	2312:05	2235:54	2217:11	2142:34	1223:31	1045:32	1024:30	1001:37	0716:41	2302:58
ALT	261.64	264.40	236.61	205.03	185.62	173.82	170.83	191.02	232.23	264.12	261.20
LAT	-76.83	-60.84	-21.19	19.01	59.38	77.20	37.89	-3.31	-43.49	-81.38	-55.25
LDW	247.03	104.51	92.96	85.78	74.62	292.37	265.57	257.61	249.49	205.66	79.73
MLAT	-67.14	-72.14	-32.05	8.55	49.58	88.43	47.59	6.35	-34.52	-75.04	-64.57
L	5.68	15.43	1.40	1.00	2.95	197.62	2.32	1.04	1.54	12.69	6.02
SZA	104.76	141.47	160.45	130.88	92.70	54.06	21.35	35.29	72.13	110.16	146.27
MODE	A										



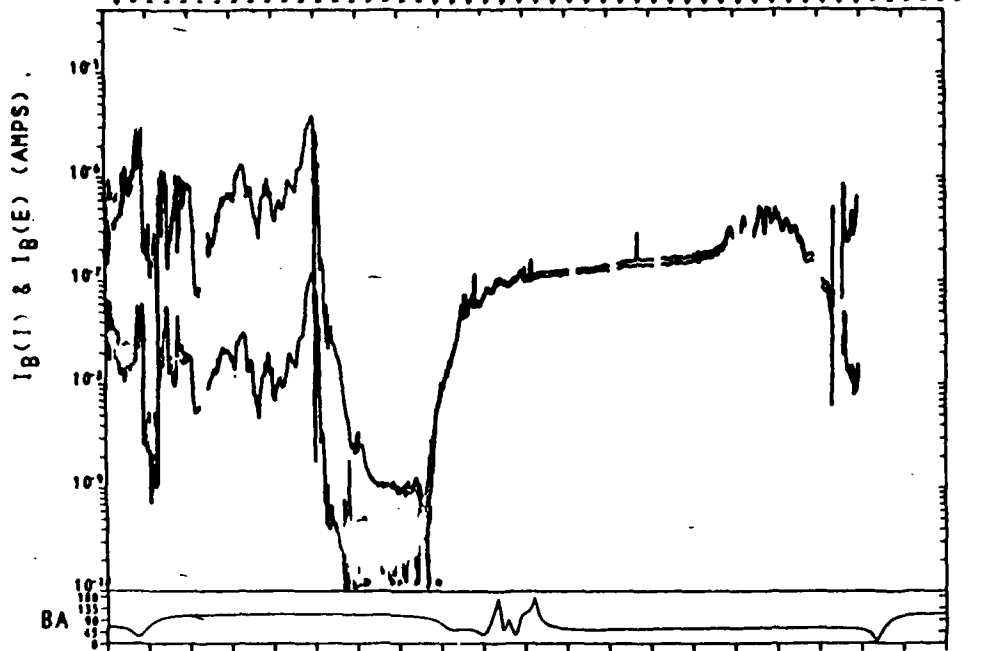




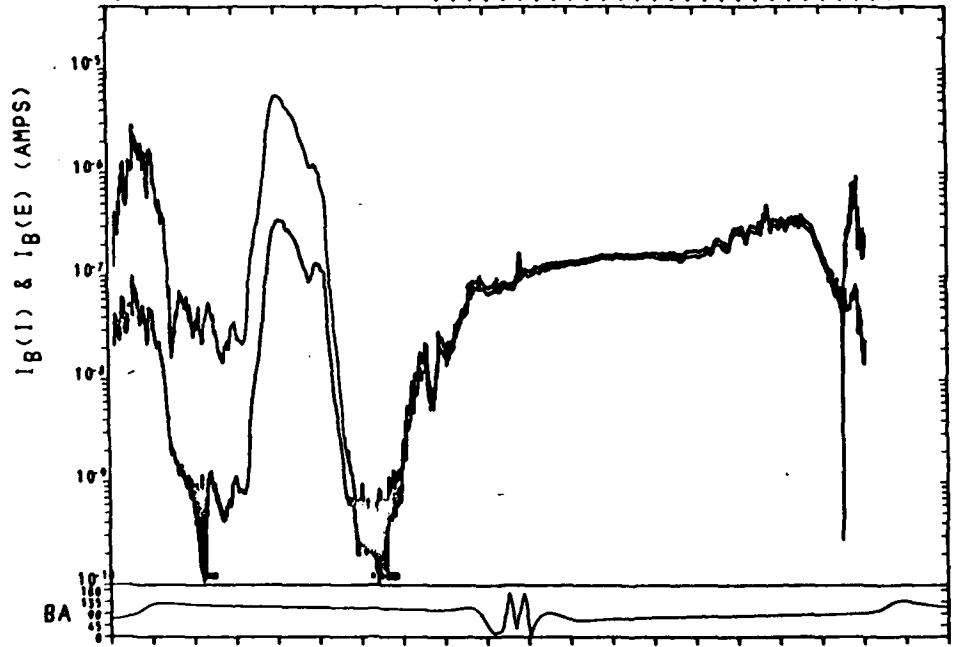
UT	1355:00	1405:00	1415:00	1425:00	1435:00	1445:00	1455:00	1505:00	1515:00	1525:00	1535:00
LT	0848:23	2316:20	2236:45	2218:01	2146:22	1252:59	1047:06	1025:17	1003:22	0759:59	2306:39
ALT	267.09	274.91	249.23	215.99	192.87	177.51	171.66	190.40	233.33	270.26	272.52
LAT	-74.84	-63.09	-23.81	16.46	56.77	79.47	40.09	-0.62	-40.94	-79.36	-57.99
LON	283.43	117.92	125.52	118.36	107.93	332.08	293.11	290.16	282.18	244.83	113.00
MLAT	-63.51	-72.28	-34.47	5.23	45.41	82.03	51.29	10.73	-29.66	-69.37	-69.32
FLAT	4.03	21.11	1.66	1.00	2.51	39.93	2.62	1.14	1.36	6.55	12.03
SZA	102.76	139.55	160.92	133.07	95.11	56.46	22.75	33.21	69.73	107.71	144.02
MODE	C										



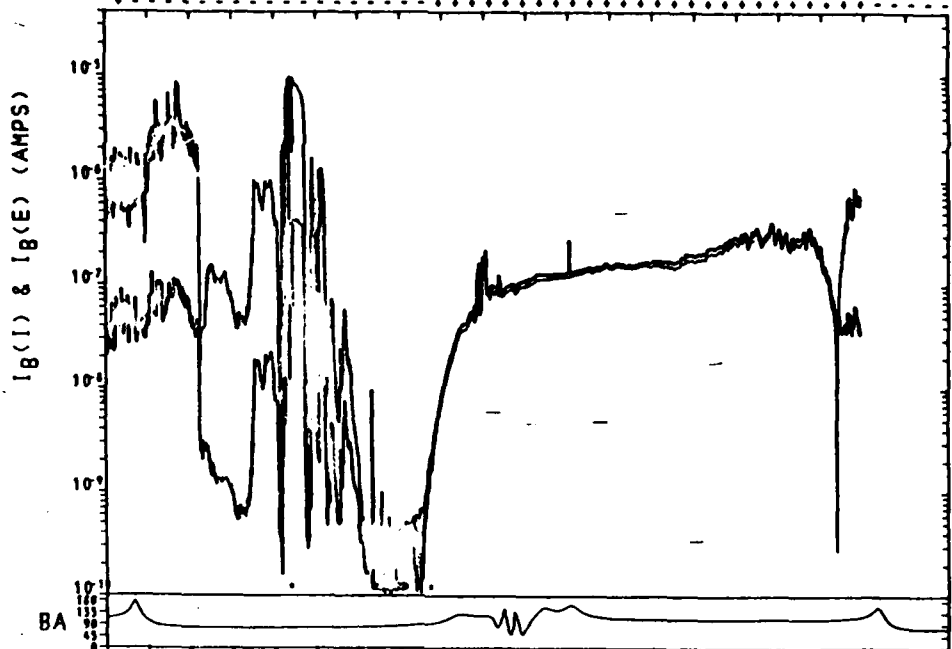
T	1426:00	1436:00	1446:00	1456:00	1506:00	1516:00	1526:00	1536:00	1546:00	1556:00	1606:00
LT	0951:21	2329:32	2436:27	2217:34	2148:01	1327:02	1047:17	1025:17	1003:22	0821:12	2308:14
ALT	256.82	265.40	241.68	210.17	188.83	174.84	168.29	183.89	223.63	239.68	262.96
LAT	-75.48	-65.40	-21.68	14.17	56.83	81.16	42.30	1.32	-38.83	-77.69	-59.83
LON	279.30	181.40	133.66	110.86	100.93	332.24	290.79	282.64	274.82	246.78	166.83
MLAT	-61.23	-75.38	-37.68	2.86	47.29	82.14	33.66	12.83	-27.81	-67.97	-71.18
FLAT	3.58	18.37	1.77	1.88	2.58	48.92	3.01	1.13	1.34	6.00	14.01
SZA	100.54	137.49	160.88	134.81	97.03	58.40	24.15	31.81	68.00	106.00	142.47
MODE	C										



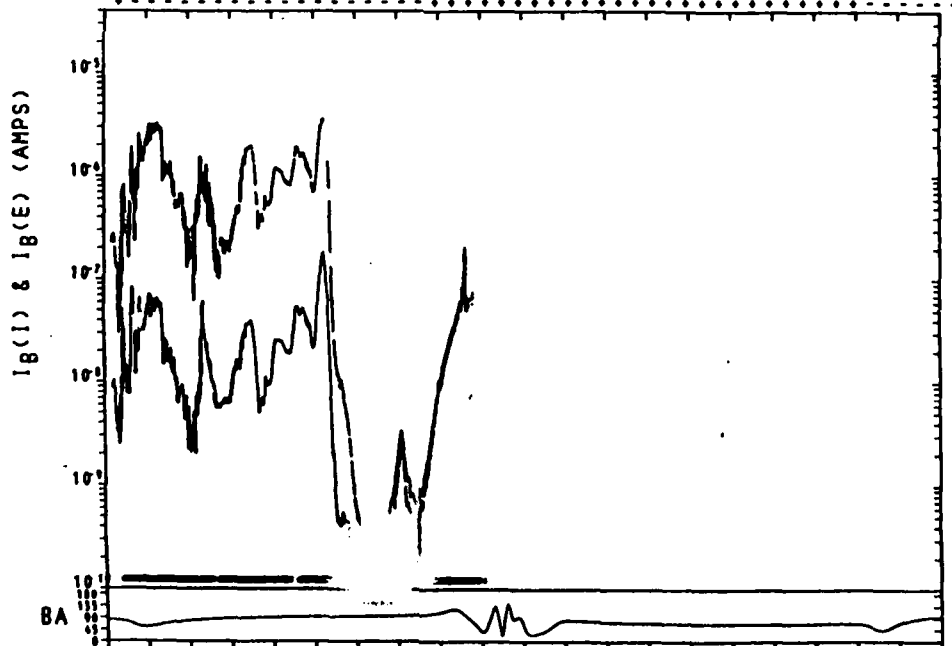
UT	2021:00	2031:00	2041:00	2051:00	2101:00	2111:00	2121:00	2131:00	2141:00	2151:00	2201:00
LT	0841:42	2112:51	2234:36	2215:52	2142:55	1235:50	1044:31	1023:04	1000:41	0737:01	2302:37
ALT	256.31	261.54	235.97	205.18	155.49	172.43	167.63	185.54	225.49	250.05	258.55
LAT	-75.52	-62.24	-22.60	17.59	57.97	71.43	38.80	-1.95	-42.50	-80.50	-56.43
LOW	185.65	40.94	28.88	21.69	10.94	231.69	201.36	193.50	185.40	146.98	15.89
MLAT	-73.94	-64.32	-24.01	16.78	57.83	78.99	38.29	-3.06	-44.03	-83.08	-54.12
L	15.55	4.94	1.49	1.03	3.17	38.22	1.61	1.01	2.14	55.23	3.18
SZA	103.67	140.39	160.35	131.73	93.72	55.15	22.20	34.64	71.28	109.27	145.38
MODE	A										



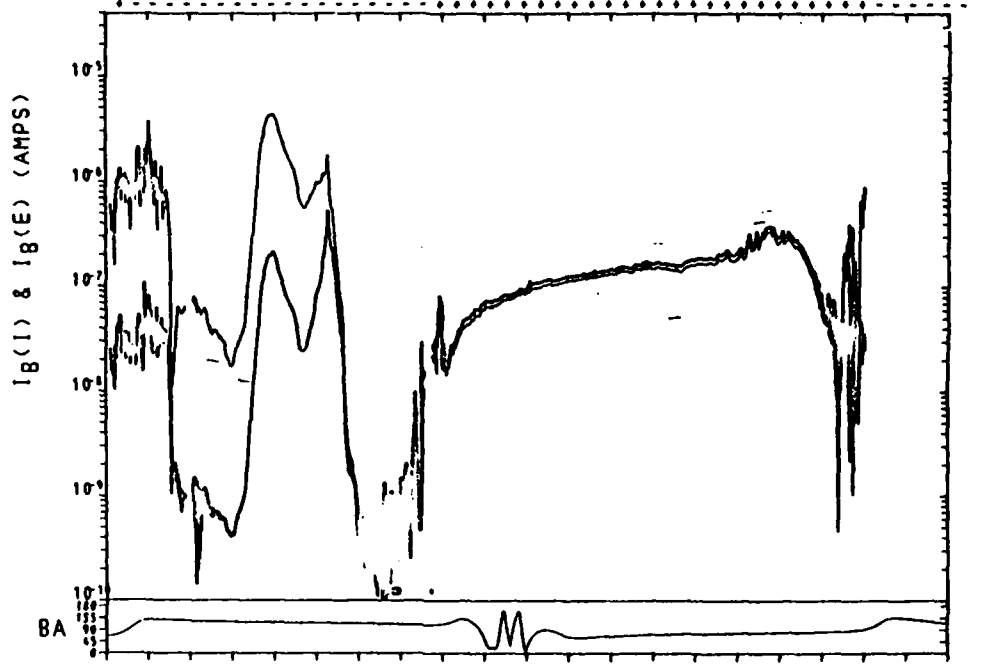
UT	0344:00	0354:00	0404:00	0414:00	0424:00	0434:00	0444:00	0454:00	0504:00	0514:00	0524:00
LT	0856:24	2318:22	2236:00	2217:18	2147:32	1329:56	1047:20	1025:39	1003:54	0822:35	2301:37
ALT	264.96	283.60	245.36	237.69	211.32	157.98	171.95	182.39	204.98	269.12	282.48
LAT	-73.35	-64.68	-25.38	14.47	54.57	81.27	42.52	1.93	-24.71	-77.56	-60.14
LOW	78.59	291.58	278.50	271.32	261.46	134.48	91.33	83.16	75.34	47.64	260.65
MLAT	-81.04	-53.33	-14.21	25.23	64.12	70.39	31.64	-8.45	-47.78	-77.82	-49.44
L	21.69	2.48	1.15	1.28	5.83	14.02	31.50	1.00	2.47	11.36	2.25
SZA	101.43	138.20	160.80	134.54	97.00	58.55	24.31	31.69	67.88	105.85	142.22
MODE	A										



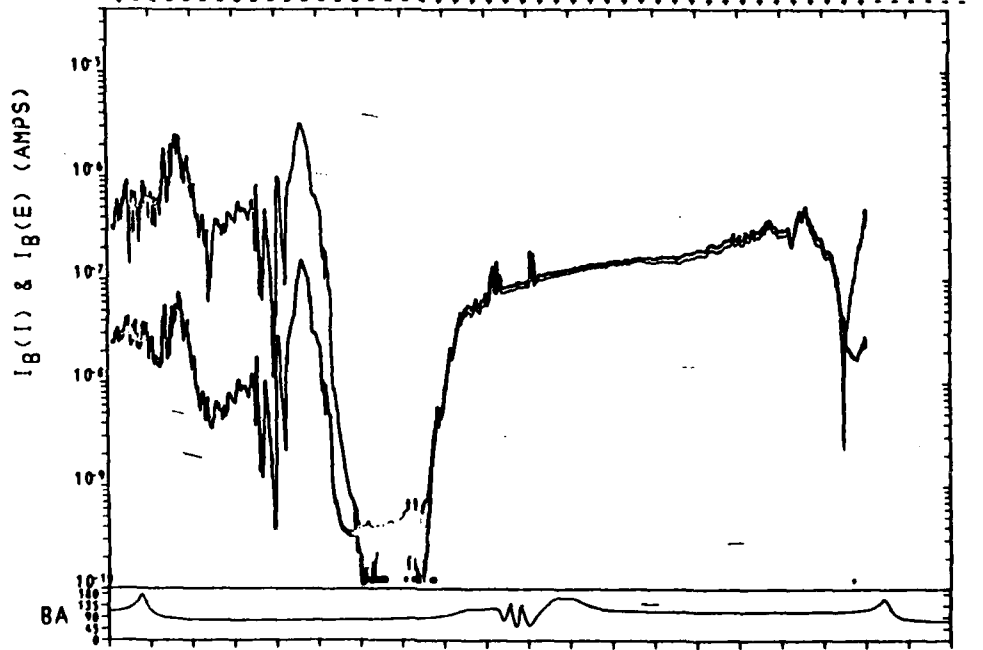
UT	0940:00	0950:00	1000:00	1010:00	1020:00	1030:00	1040:00	1050:00	1100:00	1110:00	1120:00
LT	0839:09	2312:20	2234:30	2235:55	2143:46	1245:16	1045:02	1023:20	1001:11	0749:39	2303:58
ALT	266.83	281.75	263.31	235.53	208.03	185.51	171.37	184.93	228.22	270.55	280.67
LAT	-73.82	-62.05	-22.66	17.24	37.35	79.10	39.66	-1.11	-41.51	-79.86	-57.40
LOW	345.29	201.09	189.13	181.99	171.45	34.33	1.77	353.84	345.81	310.42	176.50
RLAT	-67.43	-59.69	-24.20	13.55	50.87	72.38	42.19	3.78	-34.63	-68.86	-60.13
L	4.93	4.62	1.25	1.08	2.59	13.96	1.54	1.07	1.81	5.43	5.14
SZA	103.99	160.54	160.34	132.04	94.32	55.90	22.67	33.98	70.54	108.49	144.55
MODE	A										



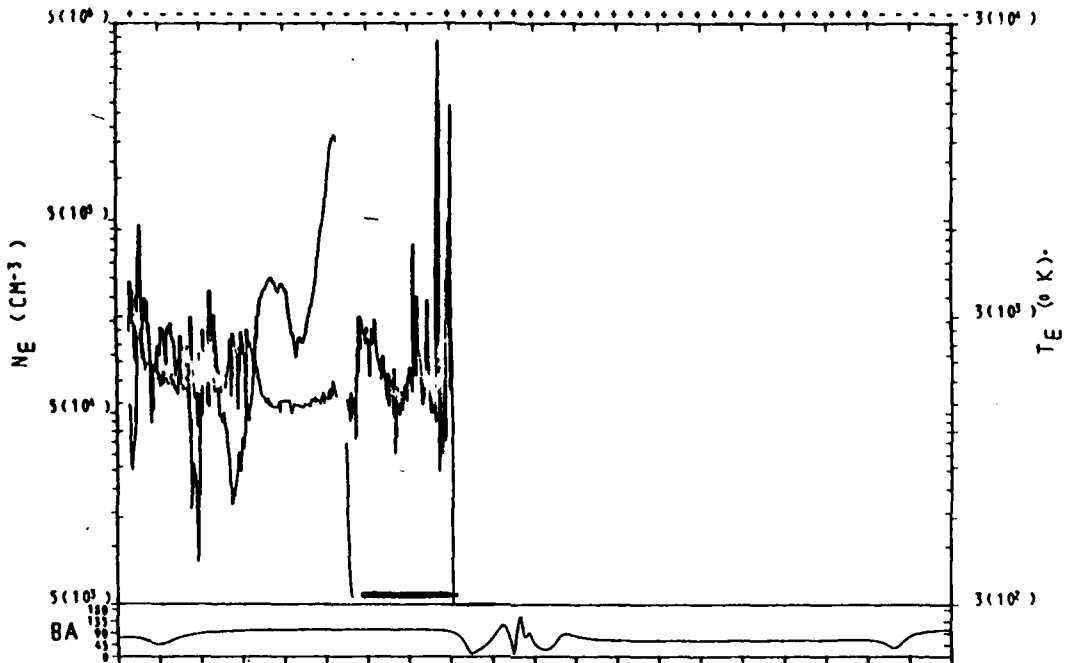
UT	1704:00	1714:00	1724:00	1734:00	1744:00	1754:00	1804:00	1814:00	1824:00	1834:00	1844:00
LT	0837:48	2311:58	2234:18	2235:43	2143:16	1241:12	1044:42	1023:07	1000:52	0744:41	2303:20
ALT	263.19	271.98	239.79	230.04	205.27	183.75	170.54	184.61	227.61	268.68	277.52
LAT	-73.98	-61.86	-22.43	17.50	37.65	78.84	39.33	-1.44	-41.86	-79.12	-57.05
LOW	233.97	89.98	78.10	70.95	60.36	282.33	258.70	242.81	234.74	198.20	65.36
RLAT	-67.54	-72.29	-31.98	8.69	49.36	88.61	47.76	6.36	-34.68	-75.14	-65.39
L	6.24	12.41	1.56	1.00	2.79	13.52	2.23	1.03	1.58	13.95	5.39
SZA	104.16	160.70	160.26	131.80	94.89	55.61	22.52	34.26	78.85	108.80	144.84
MODE	C										



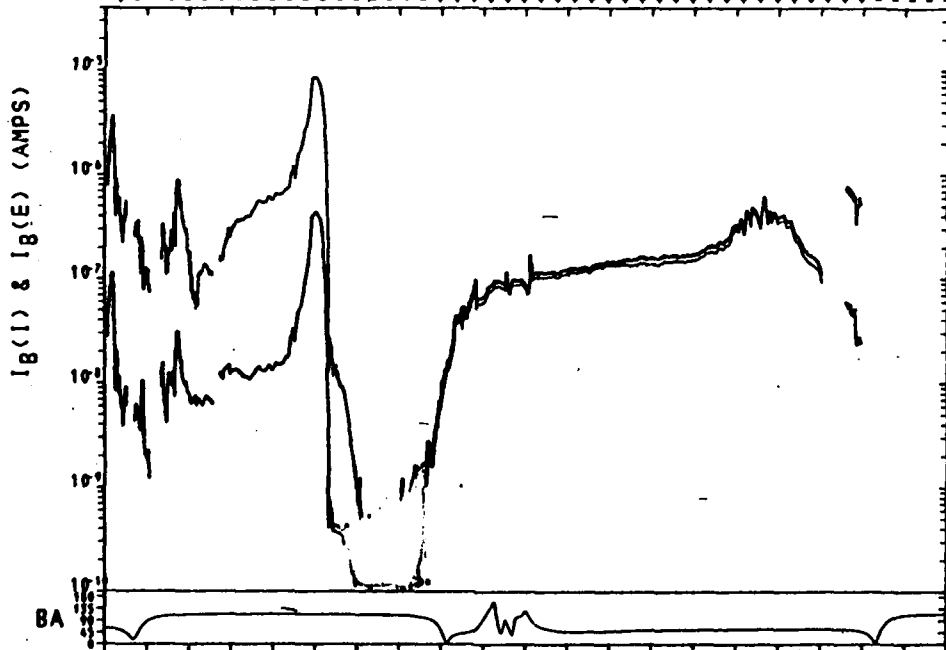
UT	0325:00	0335:00	0345:00	0355:00	0405:00	0415:00	0425:00	0435:00	0445:00	0455:00	0505:00
LT	0842:55	2313:08	2234:33	2215:54	2144:01	1247:37	1045:00	1023:15	1001:10	0751:27	2303:53
ALT	261.62	274.93	255.26	225.61	201.74	181.53	169.24	183.19	225.24	265.36	273.30
LAT	-75.34	-62.52	-23.06	16.91	57.10	79.27	59.84	-0.94	-41.55	-79.76	-57.47
LOW	80.02	295.08	282.93	275.77	265.30	128.70	95.55	87.61	79.59	44.66	270.27
MLAT	-82.72	-51.20	-11.77	27.93	67.05	68.23	28.77	-11.48	-50.90	-78.45	-46.60
L	25.11	2.28	1.13	1.36	7.41	11.15	1.39	11.00	2.82	11.76	46.60
SZA	103.47	140.11	160.39	132.32	94.56	56.10	22.81	33.86	70.38	108.36	144.47
MODE	A										



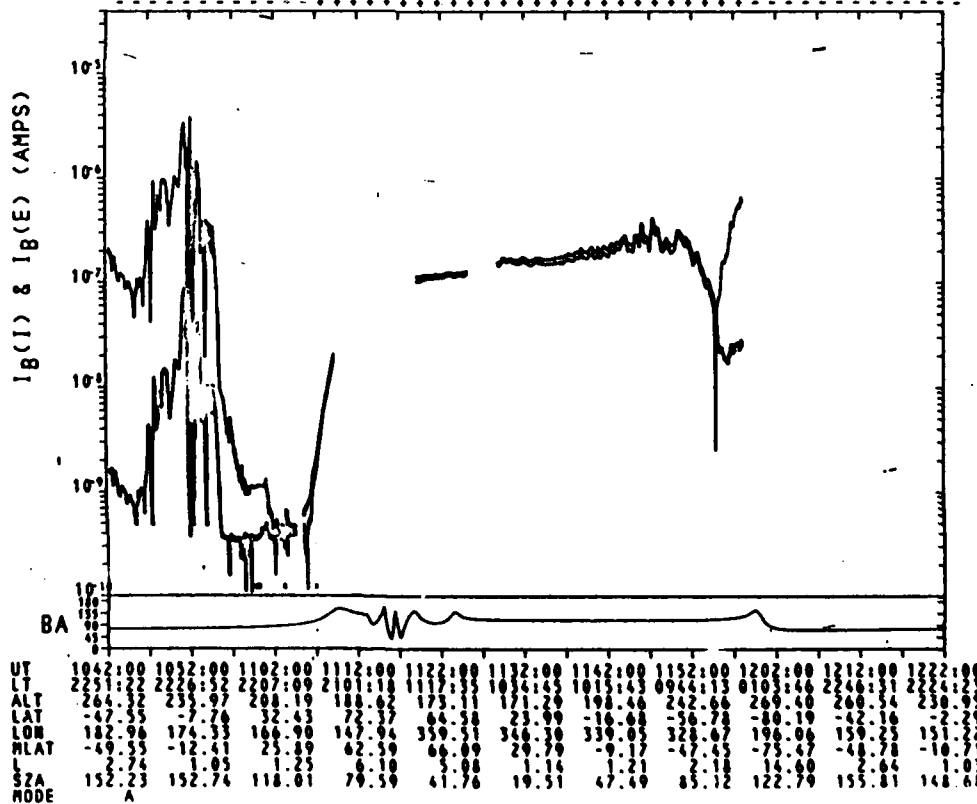
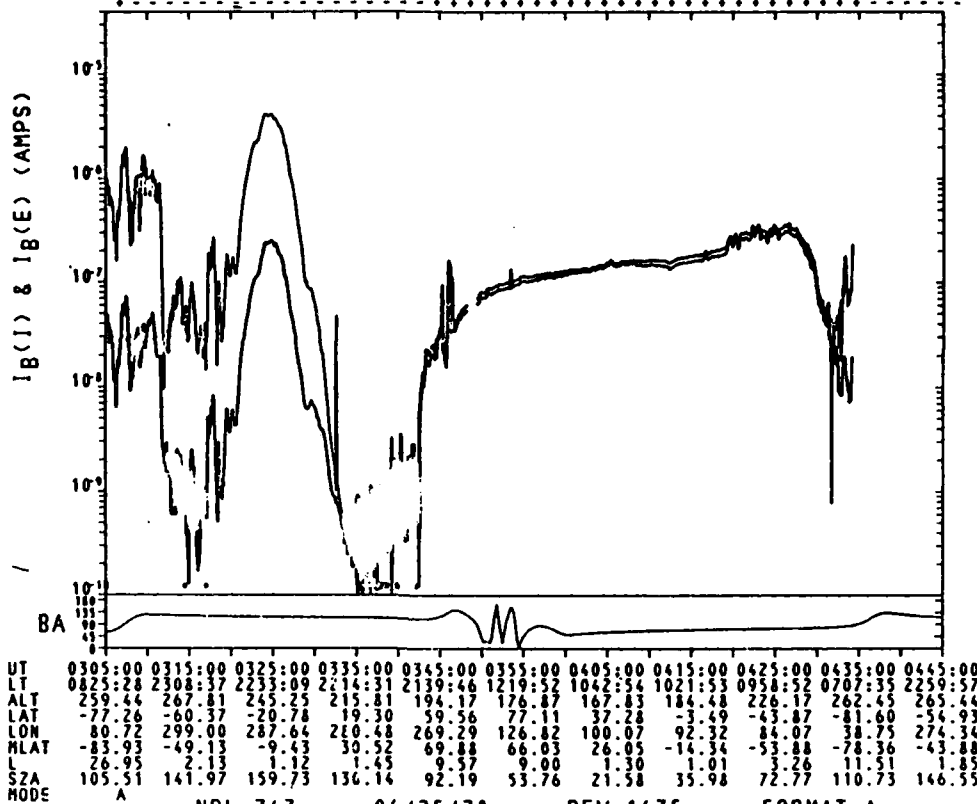
UT	0920:00	0930:00	0940:00	0950:00	1000:00	1010:00	1020:00	1030:00	1040:00	1050:00	1100:00
LT	0851:33	2316:06	2235:14	2216:32	2146:00	1308:06	1046:03	1023:50	1002:33	0809:43	2306:12
ALT	262.31	276.64	257.16	226.95	202.70	182.67	170.41	183.82	225.35	266.24	275.07
LAT	-74.09	-63.86	-24.43	15.51	55.70	80.39	41.27	0.51	-39.91	-78.58	-58.91
LOW	353.46	207.09	194.37	182.19	177.06	45.99	7.08	359.02	351.12	320.69	182.11
MLAT	-66.82	-60.28	-24.33	12.83	50.16	72.24	42.71	4.42	-33.88	-63.06	-60.43
L	5.82	4.67	1.27	1.03	2.48	13.00	1.61	1.06	1.83	3.10	5.17
SZA	102.18	138.91	160.62	133.58	95.90	57.43	23.62	32.70	69.02	106.98	143.24
MODE	A										

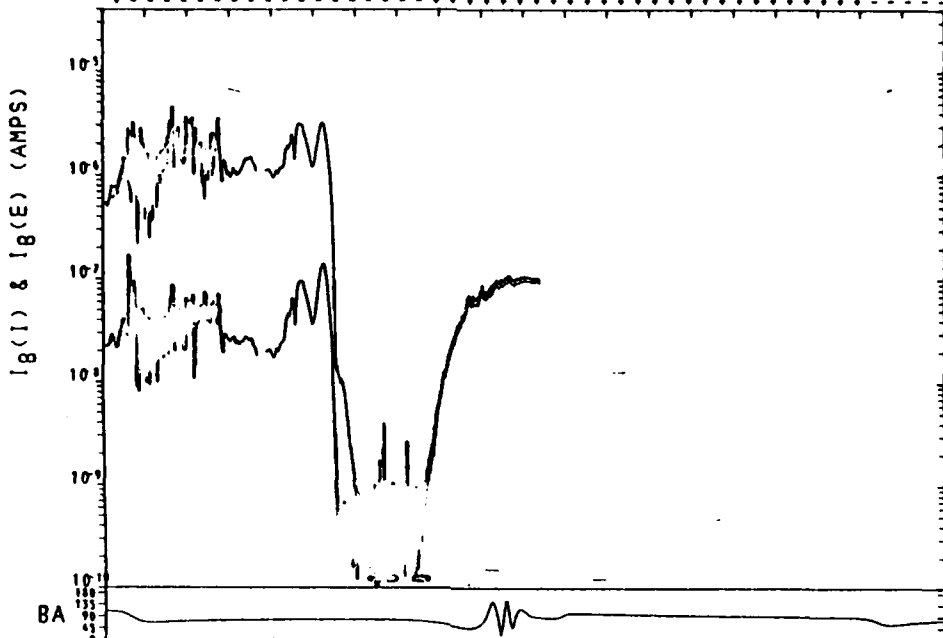


UT	1812:00	1822:00	1832:00	1842:00	1852:00	1902:00	1912:00	1922:00	1932:00	1942:00	1952:00
LT	0855:48	2118:07	2335:36	2216:50	2147:02	1921:02	1046:34	1024:03	1002:42	0817:22	2307:13
ALT	253.09	272.99	253.36	212.49	199.78	180.87	169.26	182.22	222.96	262.92	271.27
LAT	-73.23	-64.73	-75.31	14.69	54.93	80.95	42.93	1.26	-39.18	-77.98	-49.27
CON	221.23	-74.61	-61.48	54.29	44.34	275.34	234.22	226.10	218.26	189.42	-49.39
RLAT	-66.50	-72.88	-32.58	8.02	48.09	86.62	47.75	6.32	-34.75	-75.02	-63.55
L	0.29	18.48	1.56	1.00	2.52	5511.12	2.18	1.02	1.59	15.77	4.90
SZA	101.29	138.11	160.71	134.31	96.68	58.15	24.08	32.11	68.33	106.51	142.66
MODE	C										

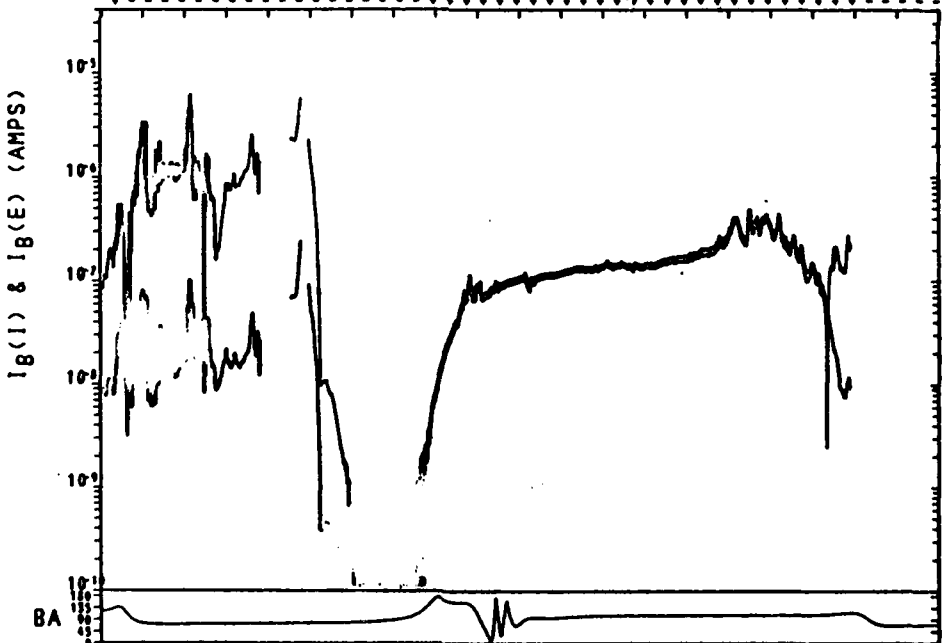


UT	2110:00	2120:00	2130:00	2140:00	2150:00	2200:00	2210:00	2220:00	2230:00	2240:00	2250:00
LT	0840:12	2112:11	2334:09	2215:39	2143:00	1240:17	1044:24	1022:49	1000:32	0742:47	2302:50
ALT	269.16	271.04	249.75	219.92	197.25	178.98	168.67	183.79	225.45	263.50	268.98
LAT	-73.06	-62.13	-22.64	17.40	57.64	78.79	39.23	-1.32	-51.92	-80.20	-56.88
CON	173.14	28.63	16.63	9.46	338.84	220.66	189.19	181.29	173.22	130.29	-52.80
RLAT	-76.27	-61.84	-21.63	19.00	59.90	77.32	36.40	-5.00	-46.02	-84.87	-72.39
L	23.84	4.29	1.59	1.05	3.34	28.21	1.34	1.01	2.32	77.79	2.92
SZA	103.81	140.42	160.25	131.87	94.04	55.57	22.53	34.35	70.93	108.89	144.95
MODE	A										

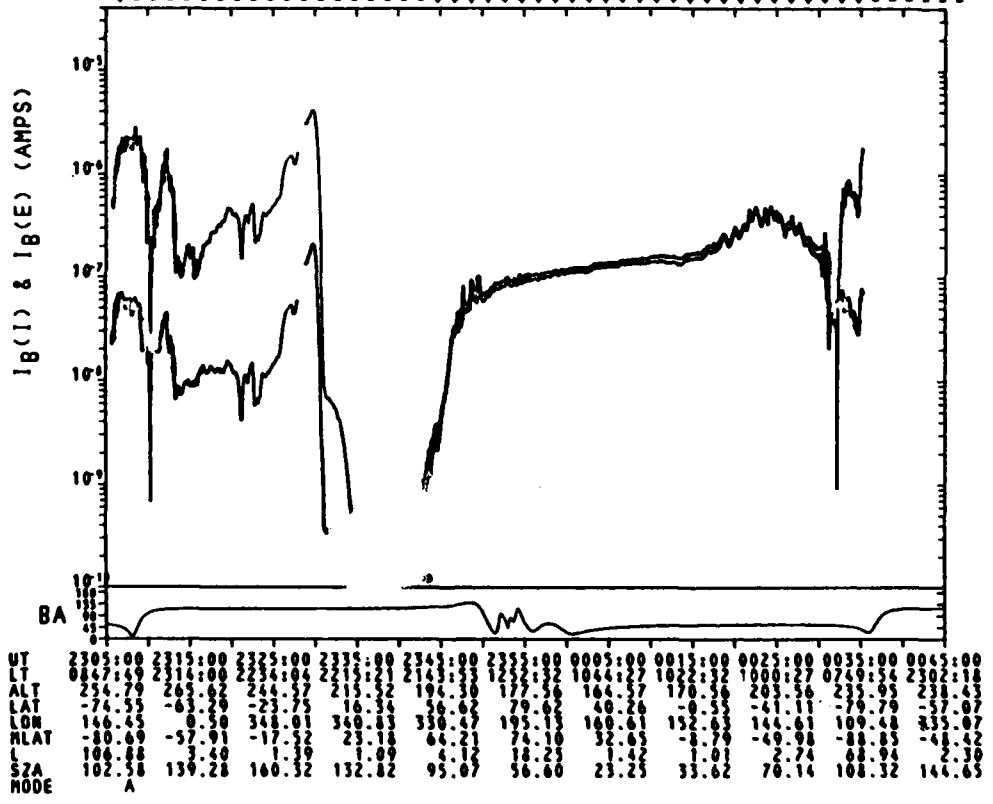
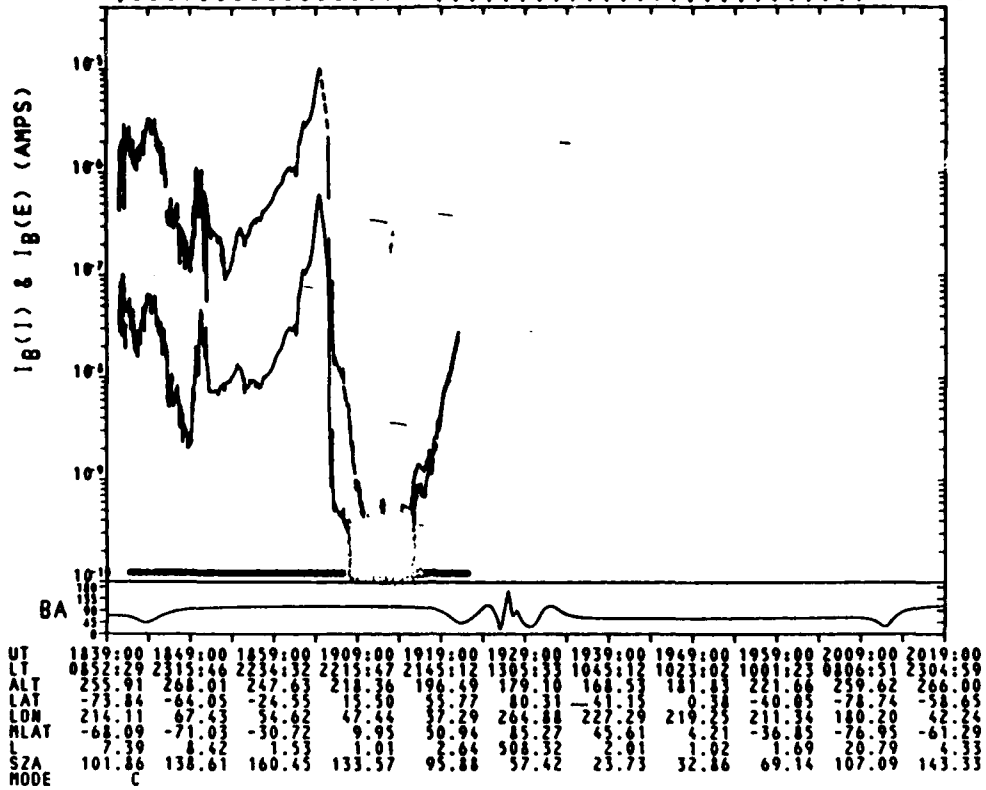


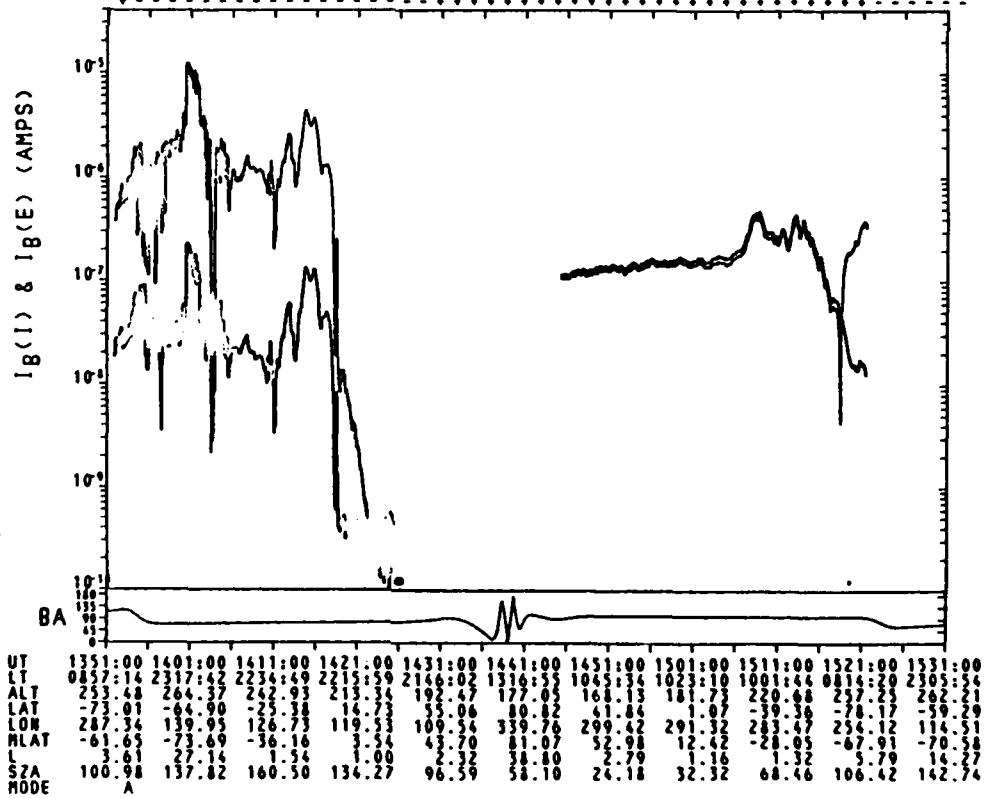
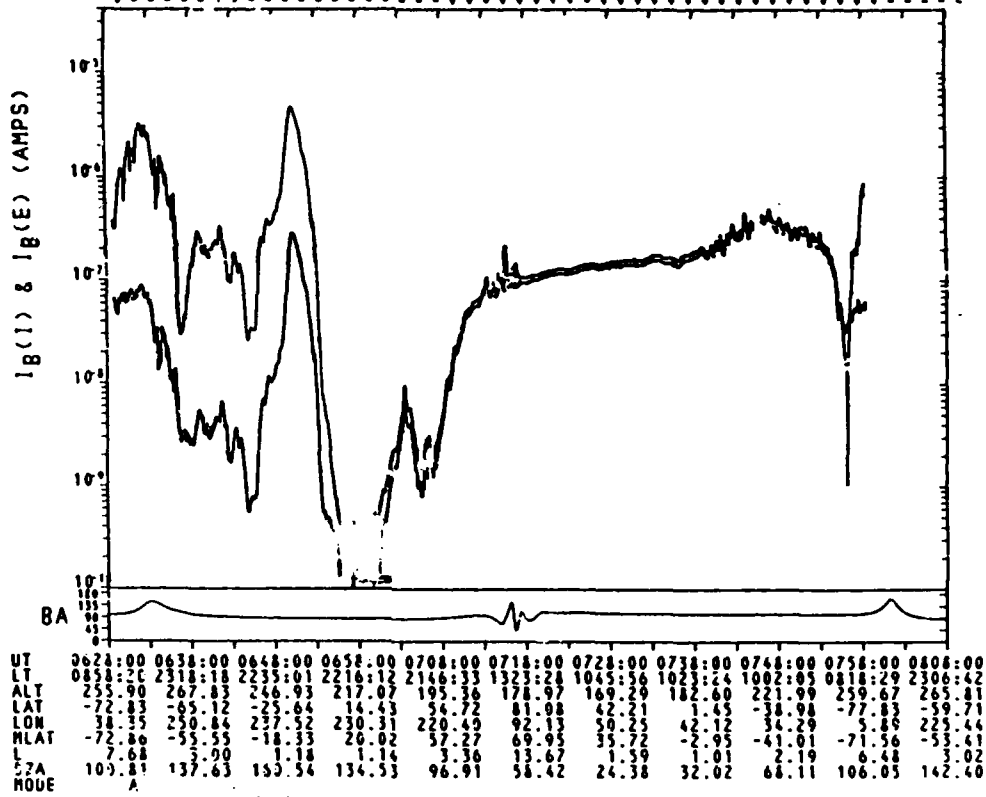


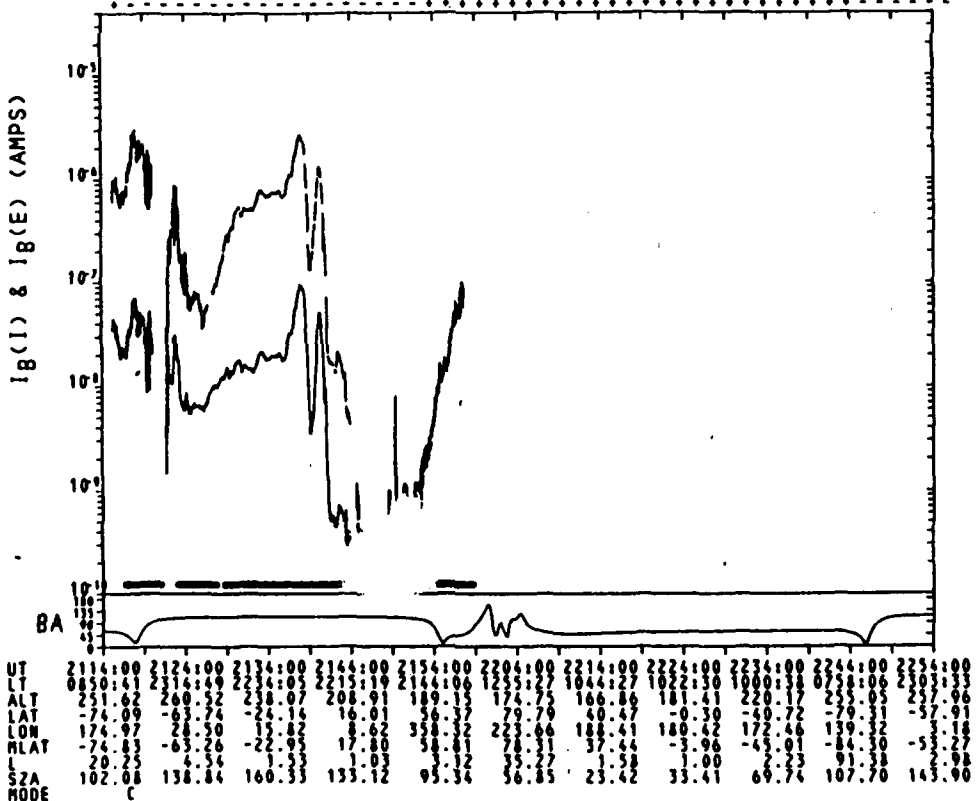
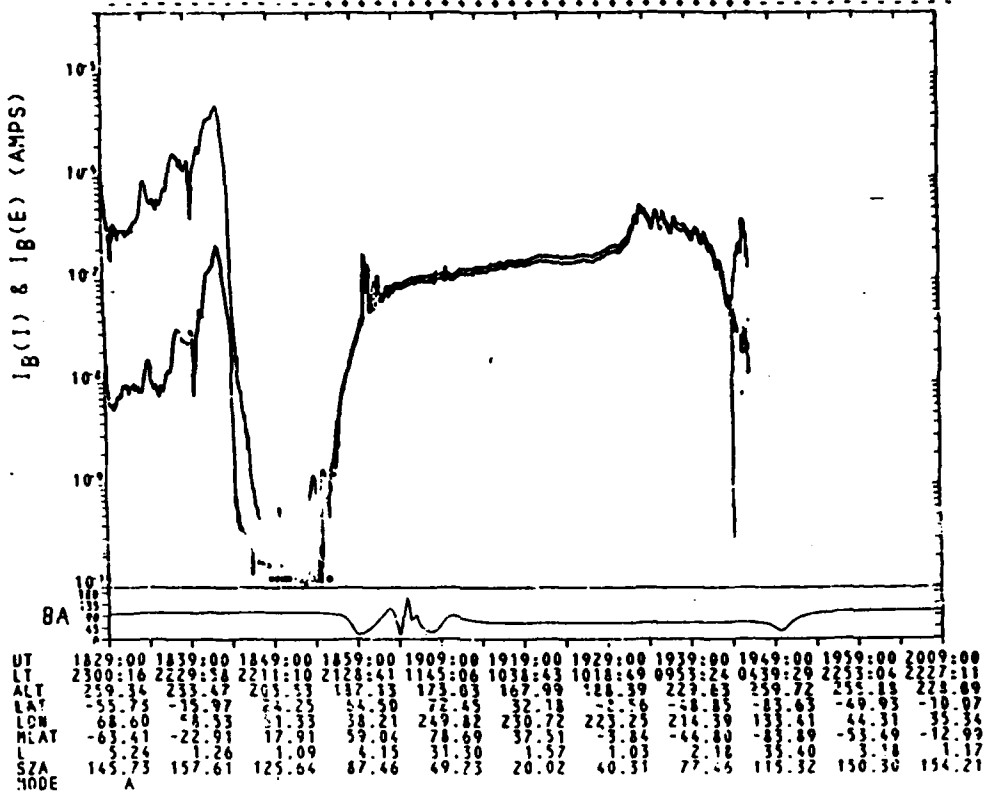
UT	1454:00	1504:00	1514:00	1524:00	1534:00	1544:00	1554:00	1604:00	1614:00	1624:00	1634:00
LT	0844:49	2313:22	2234:19	2215:37	2143:41	1246:22	1044:36	1022:54	1000:49	0750:23	2303:23
ALT	258.39	268.14	245.89	215.81	194.06	177.48	168.55	183.97	224.89	261.74	265.94
LAT	-75.05	-62.79	-23.26	16.83	57.11	79.21	39.76	-1.00	-41.40	-79.80	-57.37
LOW	268.33	122.97	110.70	103.53	93.05	316.22	283.28	275.35	267.33	232.23	97.97
MLAT	-64.13	-73.63	-34.61	5.52	46.11	84.86	51.04	10.02	-30.75	-71.09	-68.40
L	4.34	24.85	1.46	1.00	2.59	70.32	2.74	1.09	1.40	7.99	9.50
SZA	103.15	139.82	160.35	132.38	94.56	56.07	22.84	33.94	70.43	108.39	144.51
MODE	A										

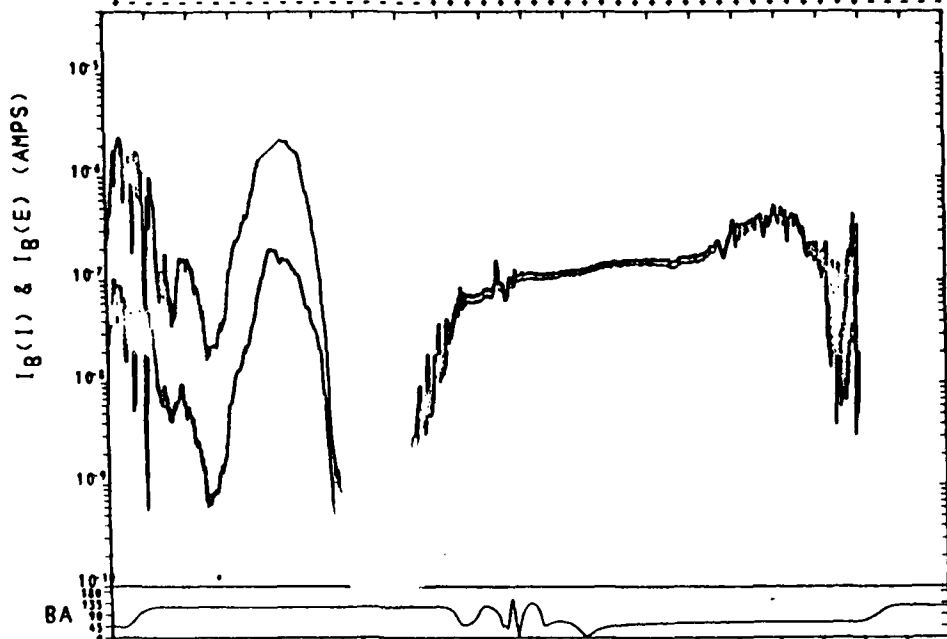


UT	1245:00	1255:00	1305:00	1315:00	1325:00	1335:00	1345:00	1355:00	1405:00	1415:00	1425:00
LT	0837:55	2311:07	2233:26	2214:47	2144:01	1239:50	1043:37	1022:08	0959:47	0738:51	2301:24
ALT	259.89	270.20	249.11	219.83	197.74	179.76	169.33	184.20	223.42	262.93	269.24
LAT	-73.89	-61.91	-22.39	17.69	57.72	78.59	39.32	-1.00	-42.16	-80.38	-57.94
LOW	298.95	134.73	142.84	133.67	124.89	348.19	333.38	307.30	209.62	261.63	129.63
MLAT	-64.60	-68.45	-31.69	7.42	46.89	79.24	49.01	9.86	-30.93	-69.63	-66.93
L	6.18	11.78	1.40	1.00	4.00	74.37	2.16	1.10	1.39	8.00	9.93
SZA	103.97	140.52	160.06	131.63	93.84	55.42	22.56	34.58	71.11	109.05	145.03
MODE	A										

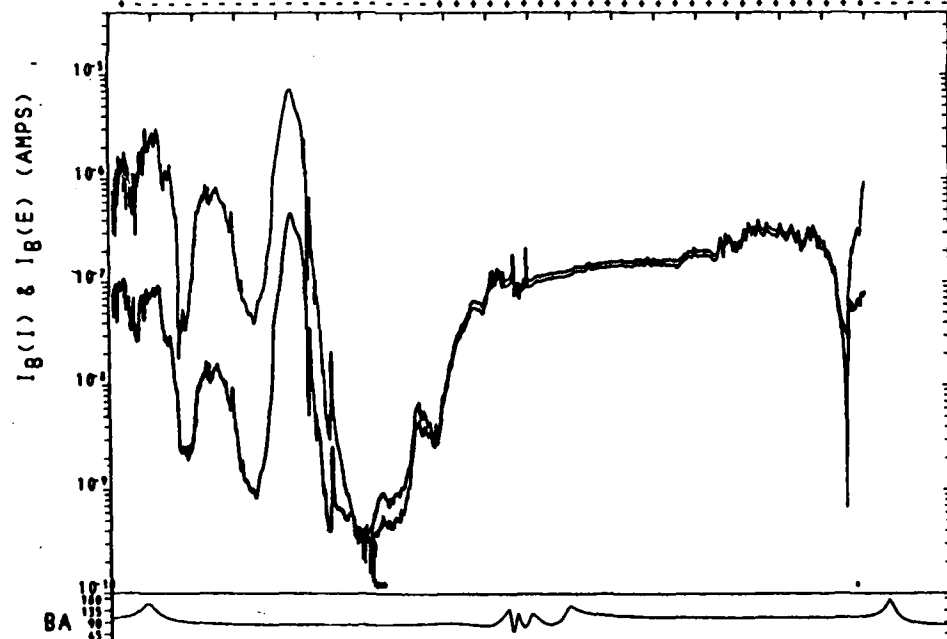




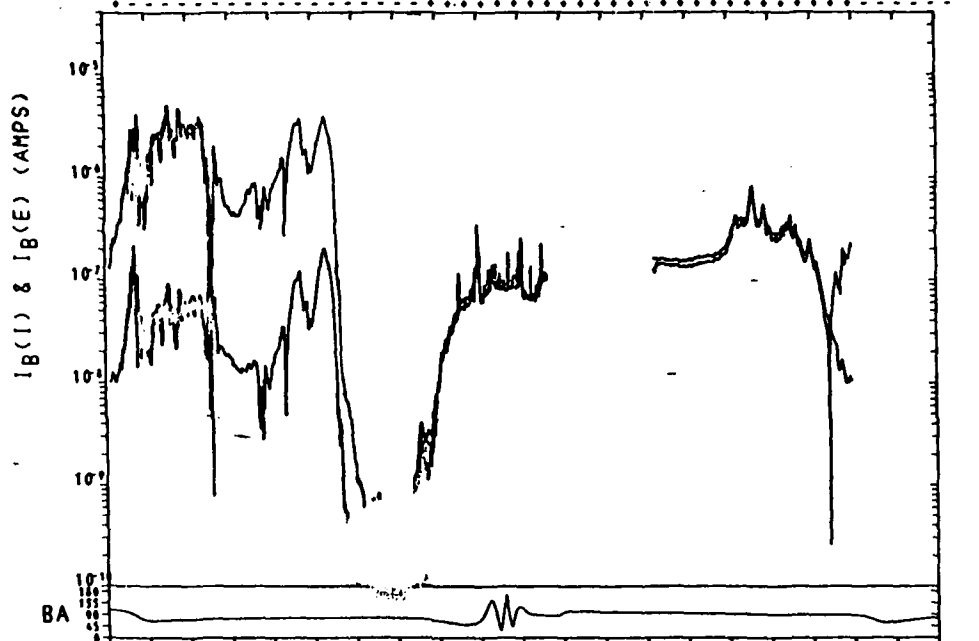




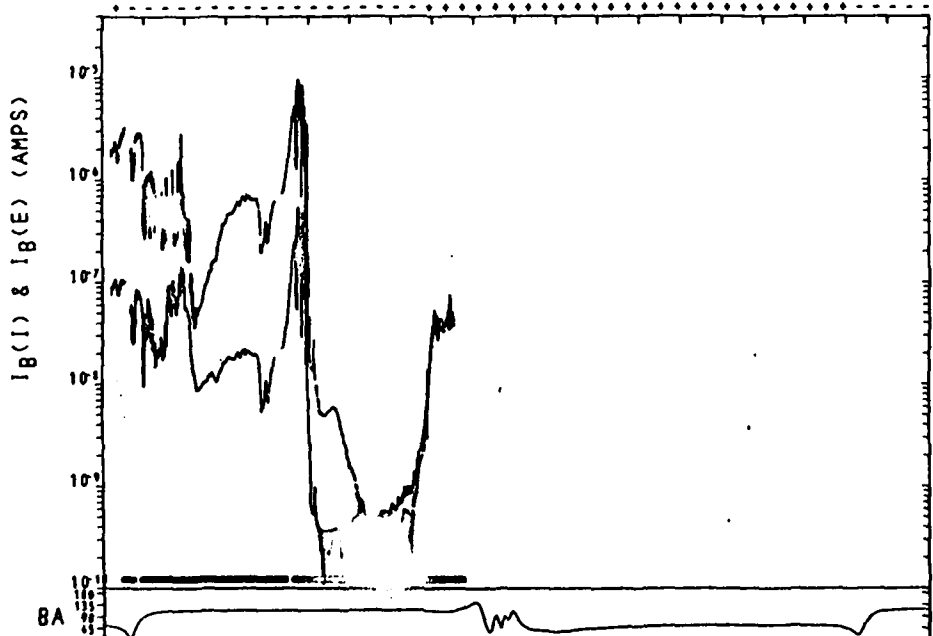
UT	0141:00	0151:00	0201:00	0211:00	0221:00	0231:00	0241:00	0251:00	0301:00	0311:00	0321:00
LT	0837:19	2310:51	2233:12	2214:39	2142:35	1244:37	1063:49	1022:07	1000:00	0743:30	2302:42
ALT	265.80	282.52	266.19	237.82	212.32	188.37	172.05	183.73	226.42	269.30	281.62
LAT	-75.90	-61.96	-22.58	17.27	57.34	79.15	39.74	-1.05	-41.47	-79.85	-57.44
LOX	104.88	320.77	308.86	301.72	291.20	154.21	121.51	113.59	105.36	70.25	296.22
RLAT	-87.09	-51.84	-11.83	28.35	68.69	69.49	28.60	-12.37	-52.80	-82.75	-46.12
SLA	103.99	2.42	1.16	1.41	7.63	11.77	1.38	1.00	3.09	20.00	1.95
SLA	103.96	140.40	160.02	131.99	94.41	56.12	23.04	34.01	70.44	108.34	144.30
MODE	A										



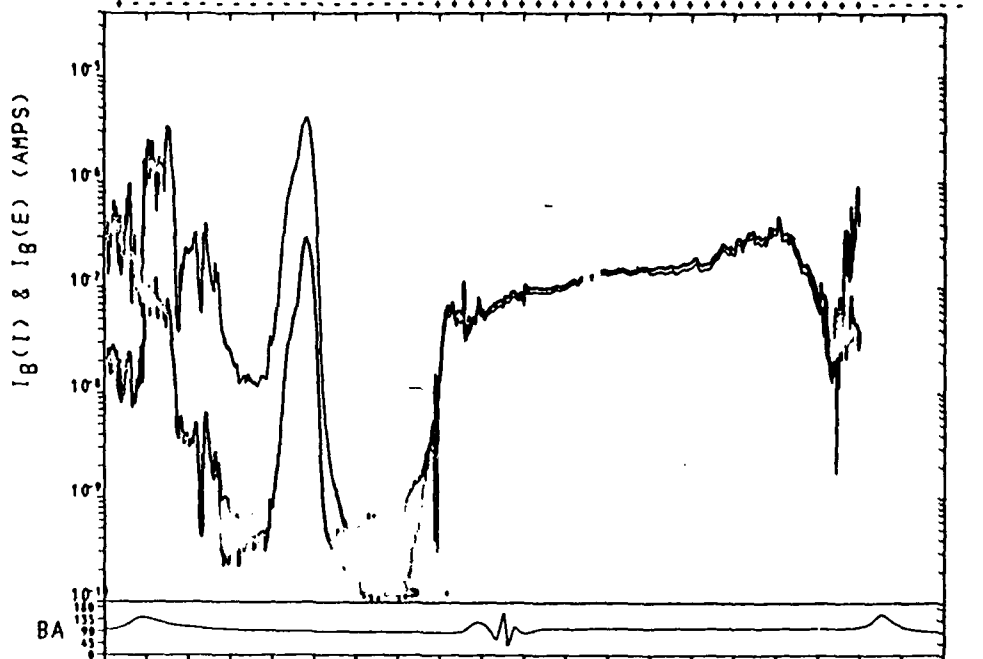
UT	0736:00	0746:00	0756:00	0806:00	0816:00	0826:00	0836:00	0846:00	0856:00	0906:00	0916:00
LT	0846:51	2313:41	2233:32	2215:15	2144:31	1303:16	1066:49	1022:40	1000:00	0743:30	2302:42
ALT	294.21	281.51	263.52	236.87	211.71	188.31	172.04	183.70	226.42	269.30	281.62
LAT	-74.21	-61.50	-22.54	17.27	56.01	78.21	41.08	-1.05	-41.47	-79.85	-57.44
LOX	104.88	320.77	308.86	301.72	291.20	154.21	121.51	113.59	105.36	70.25	296.22
RLAT	-87.09	-51.84	-11.83	28.35	68.69	69.49	28.60	-12.37	-52.80	-82.75	-46.12
SLA	103.99	2.42	1.16	1.41	7.63	11.77	1.38	1.00	3.09	20.00	1.95
SLA	102.64	139.21	160.28	133.20	93.69	57.57	23.79	32.04	69.18	107.08	143.19
MODE	A										



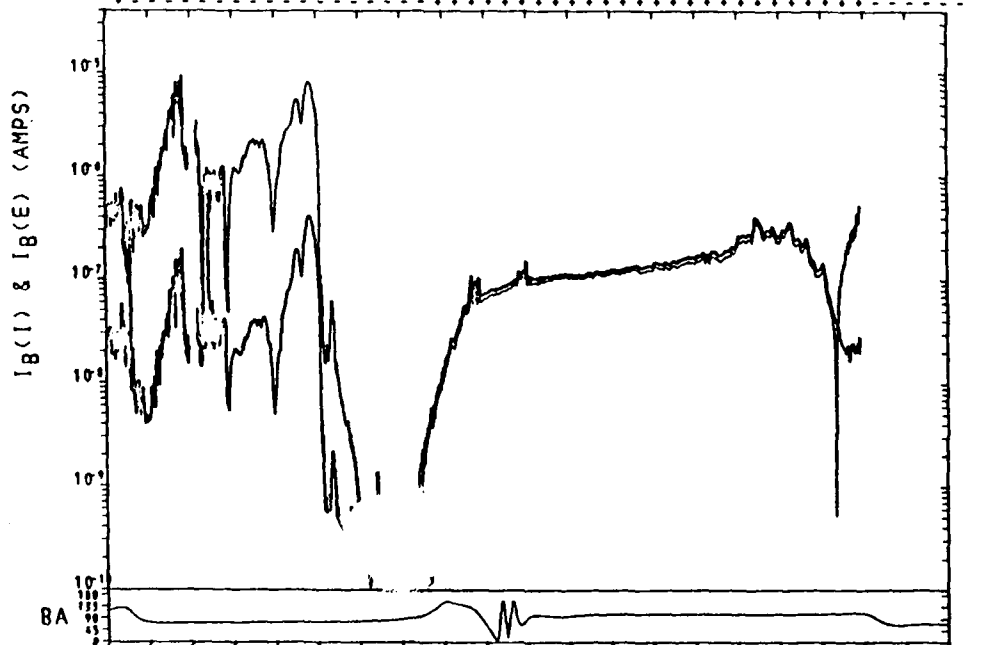
UT	1500:00	1510:00	1520:00	1530:00	1540:00	1550:00	1600:00	1610:00	1620:00	1630:00	1640:00
LT	0847:22	2313:46	2233:49	2215:12	2144:26	1502:31	1044:42	1022:55	1000:53	0809:14	2304:32
ALT	262.50	278.97	262.14	235.64	209.06	186.79	171.58	182.85	224.24	266.45	277.92
LAT	-74.57	-63.37	-23.98	15.92	56.04	80.18	41.03	0.25	-40.19	-78.83	-58.63
LON	267.67	121.77	109.29	102.13	91.94	318.96	282.01	273.98	266.06	234.64	96.97
MLAT	-63.68	-74.28	-35.34	4.64	45.08	84.42	52.27	11.19	-29.64	-70.02	-69.59
L	4.24	27.67	1.50	1.00	2.48	72.60	2.90	1.09	1.37	7.33	10.57
SZA	102.54	139.13	160.27	133.22	95.69	57.35	23.79	32.98	69.22	107.12	143.24
MODE	A										



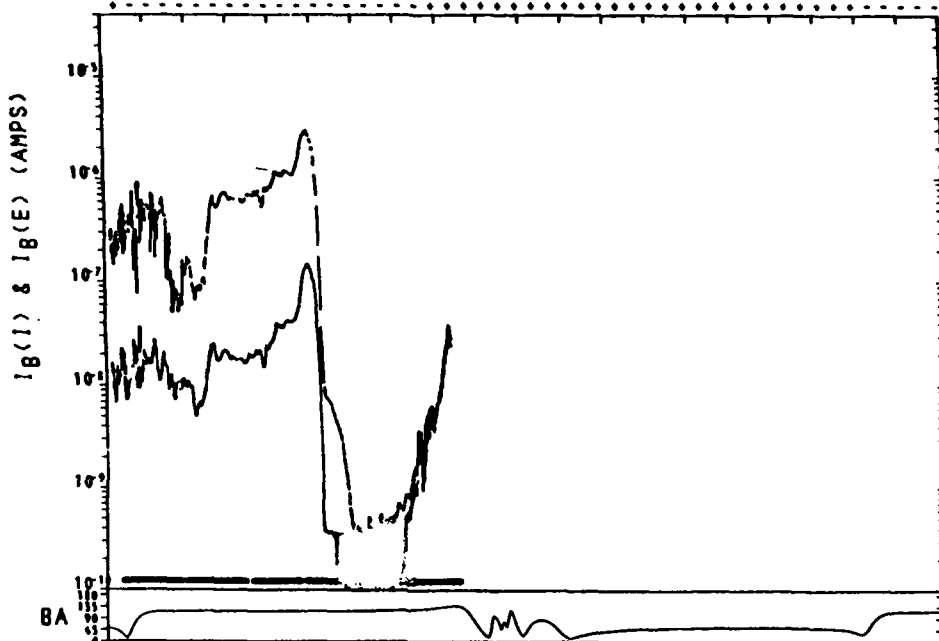
UT	2224:00	2234:00	2244:00	2254:00	2304:00	2314:00	2324:00	2334:00	2344:00	2354:00	0004:00
LT	0842:48	2312:12	2233:22	2214:55	2143:09	1230:44	1043:59	1022:08	1000:09	0754:17	2303:04
ALT	261.27	276.14	238.26	229.74	205.86	186.43	170.17	182.78	224.15	264.97	273.10
LAT	-73.19	-62.68	-23.25	16.09	56.86	79.43	19.17	-6.01	-41.04	-79.97	-55.77
LON	154.55	10.40	108.79	351.94	340.84	204.95	470.84	162.88	154.89	120.02	345.02
MLAT	-70.33	-58.08	-18.76	21.99	42.64	71.36	34.10	-7.33	-48.40	-87.65	-50.44
L	55.03	8.66	1.45	1.04	6.72	21.42	1.46	1.01	2.17	102.87	2.56
SZA	103.17	139.72	160.12	132.53	96.92	56.58	23.33	33.66	70.01	107.91	143.95
MODE	C										



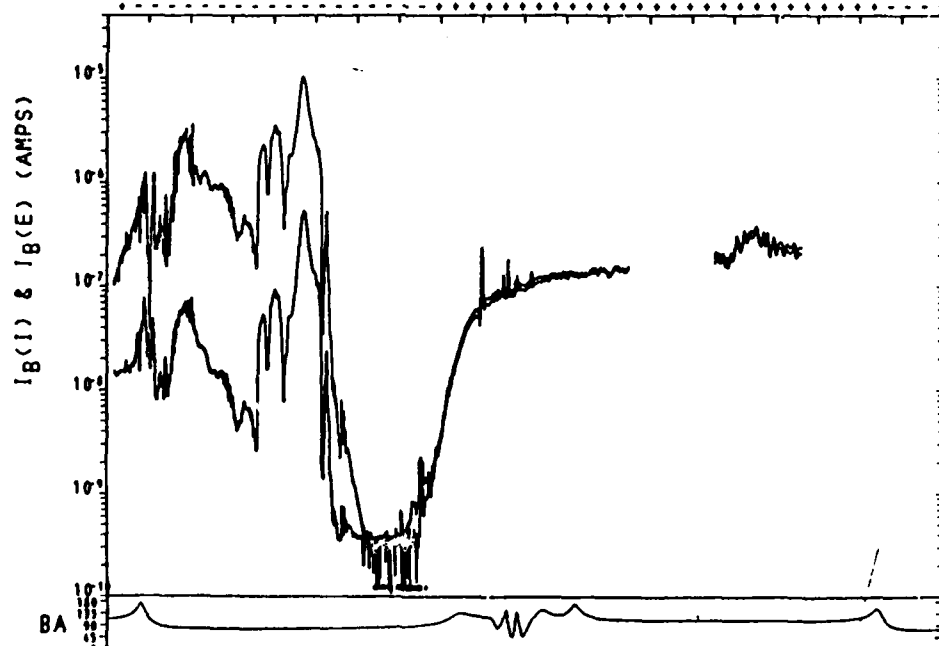
UT	0544:00	0558:00	0608:00	0618:00	0628:00	0638:00	0648:00	0658:00	0708:00	0718:00	0728:00
LT	0831:23	2309:01	2232:29	2213:54	2140:32	1230:03	1042:38	1021:19	0958:45	0728:23	2300:27
ALT	260.68	273.16	253.84	225.41	202.40	182.12	169.46	183.30	225.03	264.20	271.49
LAT	-76.56	-61.18	-21.68	18.31	58.48	78.12	38.47	-2.31	-42.72	-80.81	-56.09
LONG	41.71	258.62	246.98	239.84	229.00	88.88	59.52	51.69	43.55	3.47	233.98
RLAT	-76.16	-51.02	-13.12	25.43	62.46	67.13	30.70	-8.32	-46.42	-73.58	-48.70
RLONG	9.73	2.43	1.12	1.23	4.70	10.21	1.41	1.03	2.50	7.49	2.43
SZA	104.59	141.01	159.74	131.08	93.36	55.04	22.47	35.04	71.59	109.48	145.33
MODE	A										



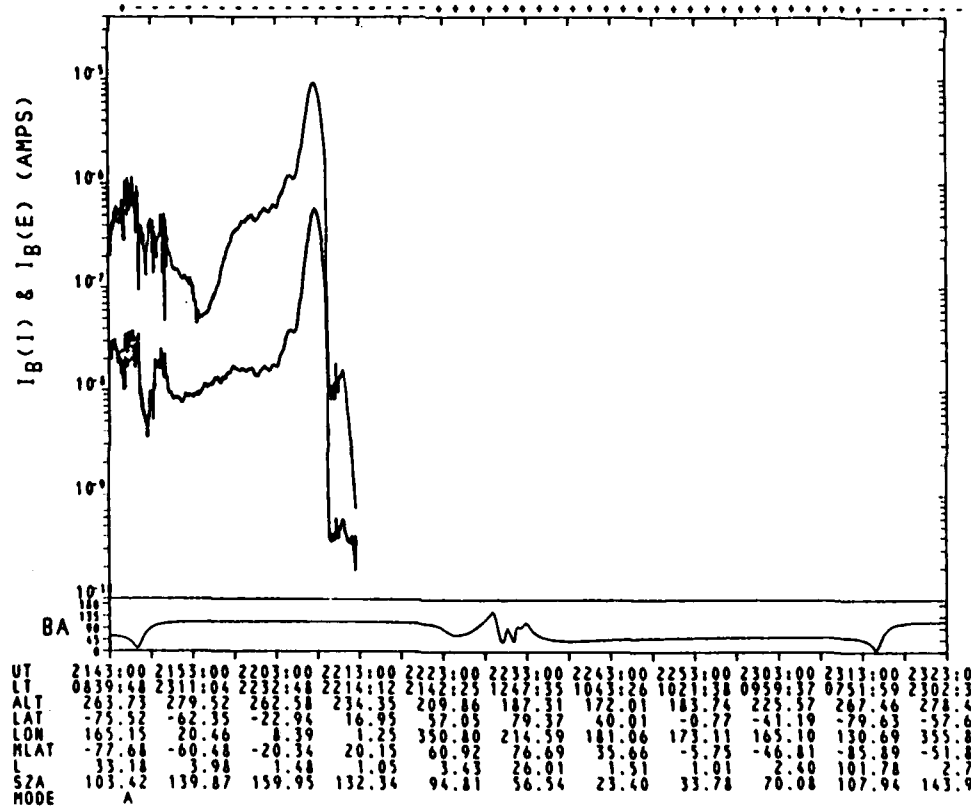
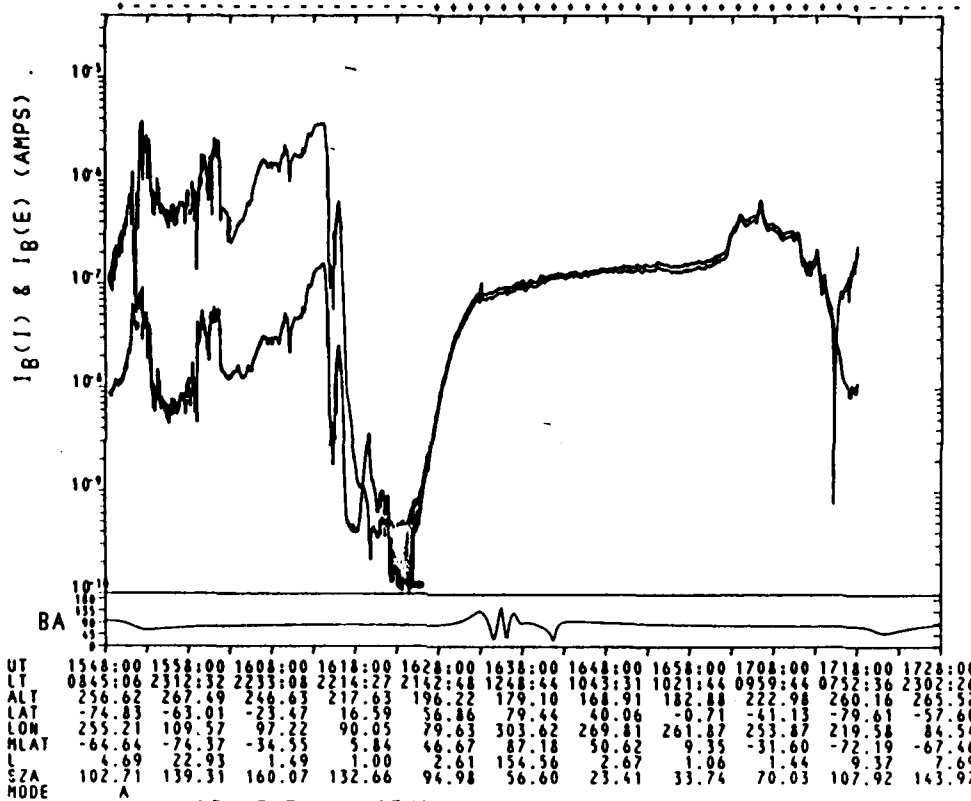
UT	1312:00	1322:00	1332:00	1342:00	1352:00	1402:00	1412:00	1422:00	1432:00	1442:00	1452:00
LT	0831:59	2309:54	2232:40	2214:04	2141:12	1235:12	1042:35	1021:27	0959:04	0736:47	2301:08
ALT	261.53	273.82	254.24	225.42	202.34	182.44	170.15	184.07	225.78	264.90	272.16
LAT	-76.14	-61.64	-22.45	17.83	58.01	78.42	38.95	-1.82	-42.73	-80.44	-56.60
LONG	291.62	147.85	136.05	128.90	118.18	339.18	388.95	300.75	292.65	256.58	128.17
RLAT	-64.79	-69.39	-32.19	7.09	46.75	40.43	49.65	9.31	-30.88	-70.04	-67.18
RLONG	4.27	13.53	1.48	1.00	2.61	28.64	2.29	1.14	1.98	6.70	10.31
SZA	104.14	140.59	159.85	131.51	93.82	55.49	22.74	34.64	71.11	108.99	144.89
MODE	A										

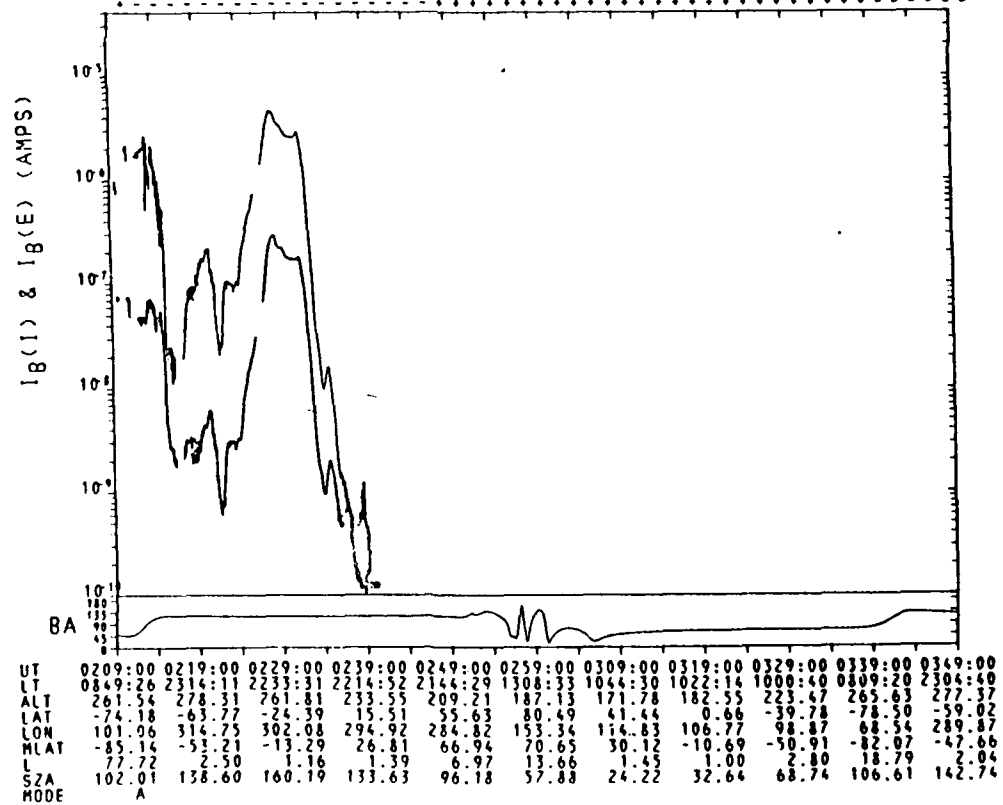
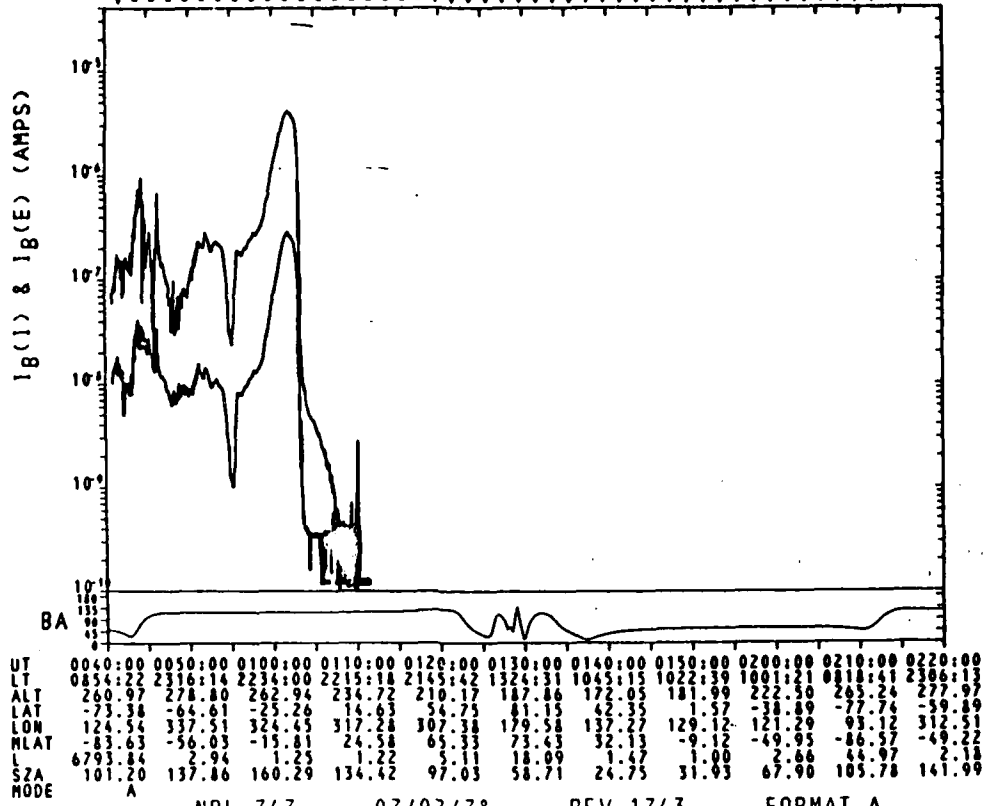


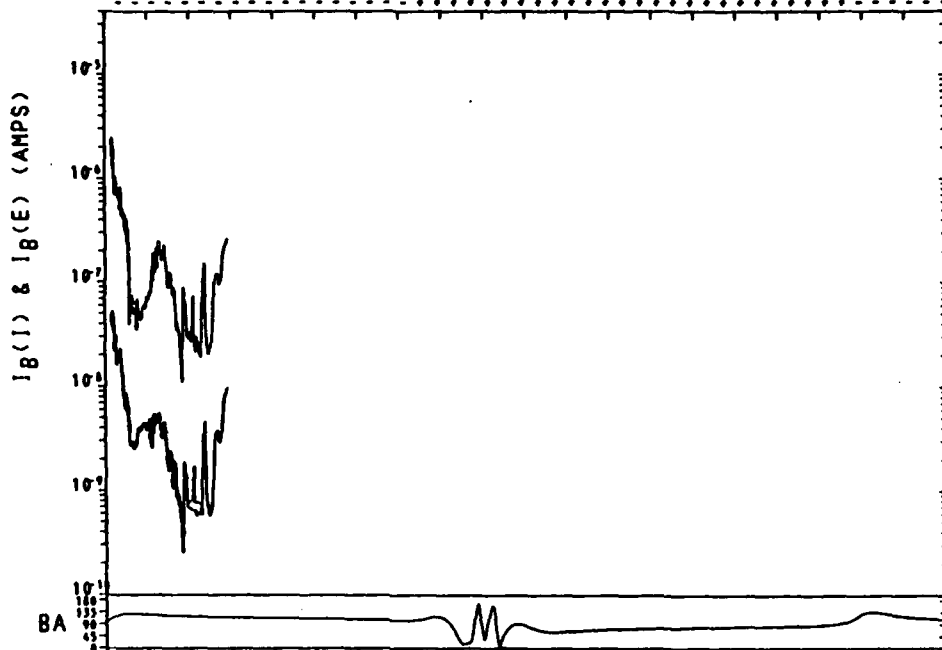
UT	2333:00	2343:00	2353:00	0003:00	0013:00	0023:00	0033:00	0043:00	0053:00	0103:00	0113:00
LT	0825:59	307:54	232:02	221:26	2139:14	1222:48	1041:56	1020:47	0958:03	0720:00	2259:23
ALT	255.78	268.86	228.05	220.41	202.63	187.30	176.20	189.98	231.60	268.62	270.72
LAT	-78.90	-60.67	-21.91	18.96	99.15	77.33	37.82	-2.88	-43.20	-81.14	-35.62
LONG	134.39	352.13	340.66	333.53	322.46	180.83	133.13	142.33	133.17	-93.15	322.30
RLAT	-84.51	-54.15	-13.78	26.87	65.87	70.69	29.26	-12.02	-32.95	-86.49	-66.20
L	254.37	2.92	1.29	26.87	65.87	11.89	1.38	1.05	1.20	36.77	66.10
SZA	105.02	141.41	159.55	130.52	92.74	54.65	22.24	35.52	72.03	109.87	145.64
MODE	C										



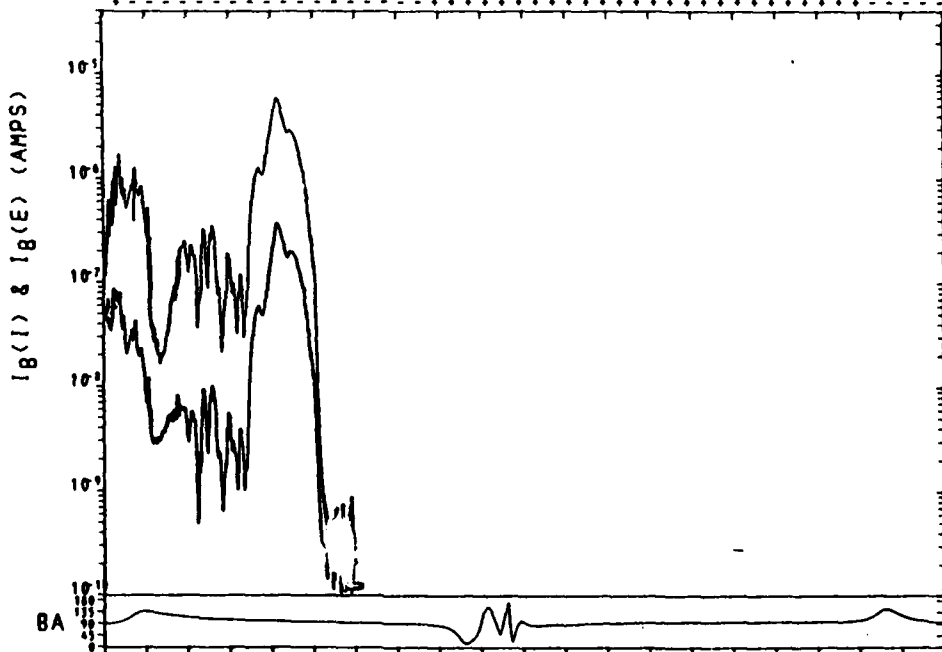
UT	0953:00	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00	1113:00	1123:00	1133:00
LT	0855:47	2316:49	2234:11	2215:24	2145:34	1319:22	1045:04	1022:39	1001:16	0815:43	2305:44
ALT	256.79	270.19	250.69	221.45	199.09	181.09	169.72	182.14	221.81	260.72	268.52
LAT	-73.16	-64.78	-25.33	14.69	54.94	80.94	42.03	1.26	-39.18	-78.00	-59.53
LONG	346.61	199.37	186.22	179.02	169.06	40.01	358.96	350.84	342.99	314.10	174.11
RLAT	-65.16	-62.50	-27.38	10.51	48.20	73.19	45.02	6.64	-31.93	-67.19	-62.38
L	4.37	5.58	1.32	1.05	2.31	16.52	1.69	1.06	1.70	4.83	6.22
SZA	101.01	137.74	160.33	134.34	96.81	58.40	24.50	32.78	68.21	106.10	142.35
MODE	A										



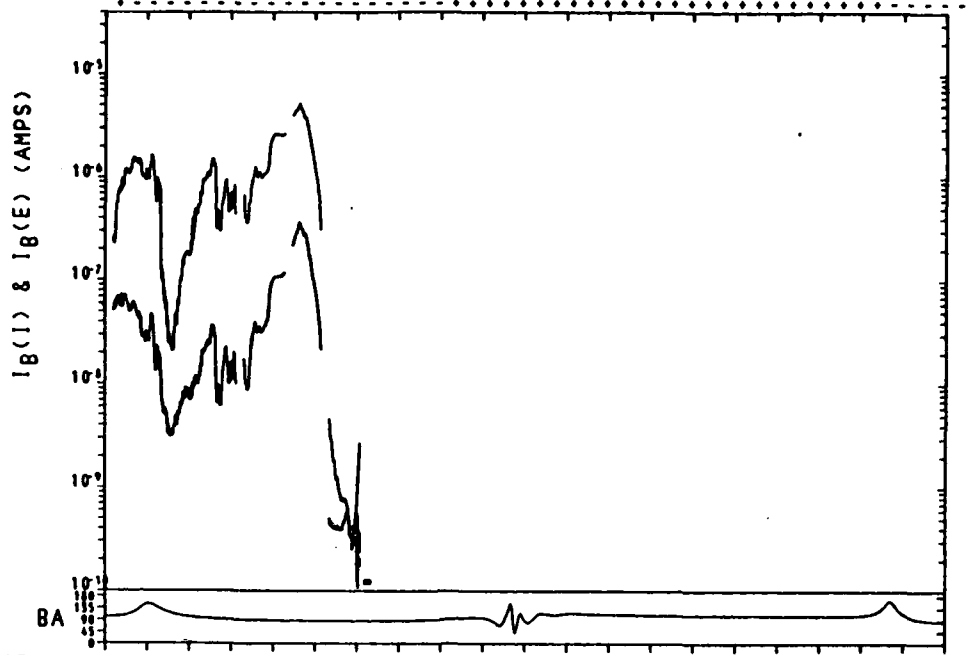




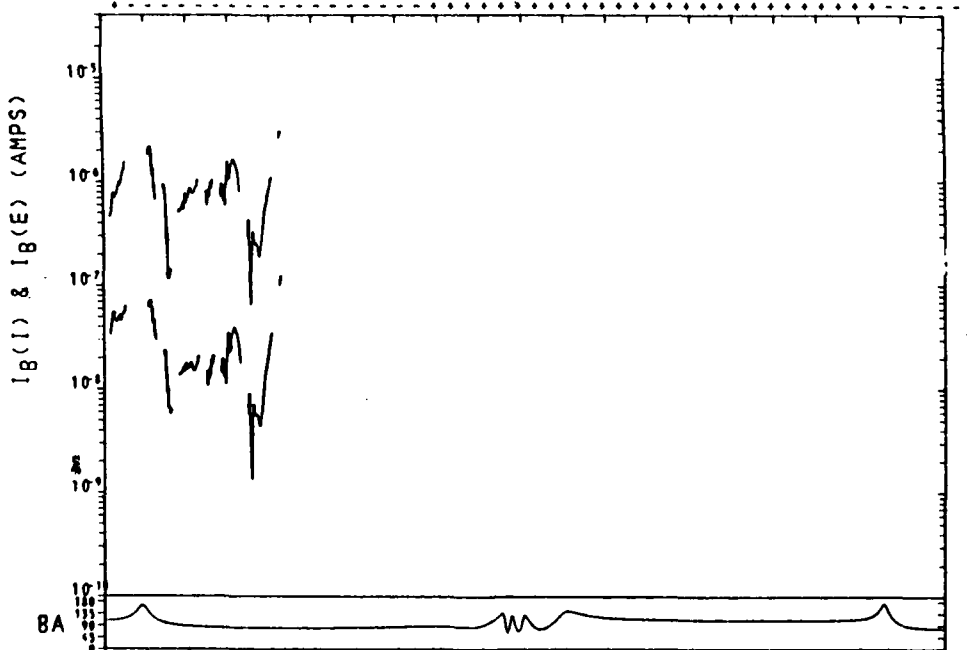
UT	0341:00	0351:00	0401:00	0411:00	0421:00	0431:00	0441:00	0451:00	0501:00	0511:00	0521:00
LT	0518:29	2253:44	2277:09	2208:06	2116:35	1128:17	1035:39	1016:18	0948:22	0230:55	2263:42
ALT	270.45	272.35	252.22	224.57	201.60	180.50	171.42	193.26	238.67	273.17	275.05
LAT	-83.45	-51.18	-11.56	28.45	68.42	108.71	28.27	-15.46	-32.68	-82.83	-46.34
LOW	-75.33	286.64	277.50	270.23	254.85	105.28	49.62	85.28	72.80	320.94	266.80
RLAT	-77.51	-39.83	-0.43	39.10	76.26	57.36	17.52	-22.50	-61.11	-72.14	-35.98
L	10.62	1.65	1.08	1.76	26.51	4.79	1.06	-1.16	4.68	6.87	1.57
SZA	114.09	149.11	155.08	21.85	83.78	45.89	19.67	43.66	80.98	118.65	152.65
MODE	A										



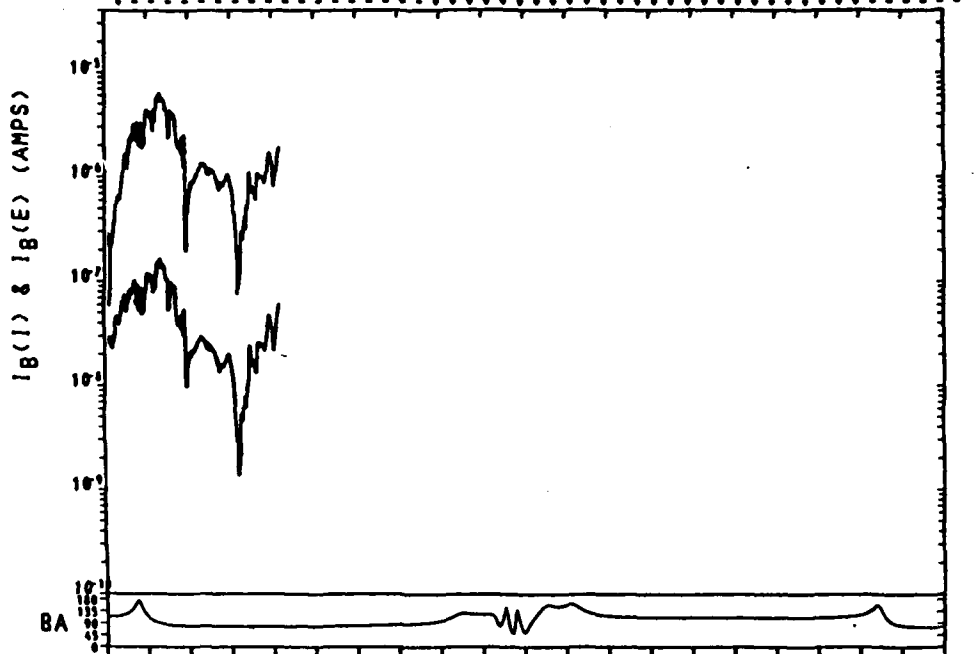
UT	0507:00	0517:00	0527:00	0537:00	0547:00	0557:00	0607:00	0617:00	0627:00	0637:00	0647:00
LT	0837:24	2310:16	2232:32	2213:57	2141:43	1241:38	1043:00	1021:22	0959:12	0745:23	2301:40
ALT	262.64	277.21	259.42	231.13	207.22	185.58	171.24	183.67	225.41	266.30	275.99
LAT	-75.82	-62.01	-22.57	17.35	57.48	79.00	39.54	-1.23	-41.65	-40.00	-57.19
LOW	53.56	269.28	237.34	250.20	239.64	102.12	69.96	62.05	34.01	18.06	244.63
RLAT	-77.86	-51.16	-12.84	25.99	63.52	67.69	30.45	-8.89	-47.33	-74.74	-48.43
L	11.84	2.37	1.12	1.25	5.22	10.90	1.42	1.01	2.51	8.26	2.32
SZA	103.71	140.14	159.86	131.99	94.41	56.14	23.18	34.15	70.50	108.35	144.27
MODE	A										



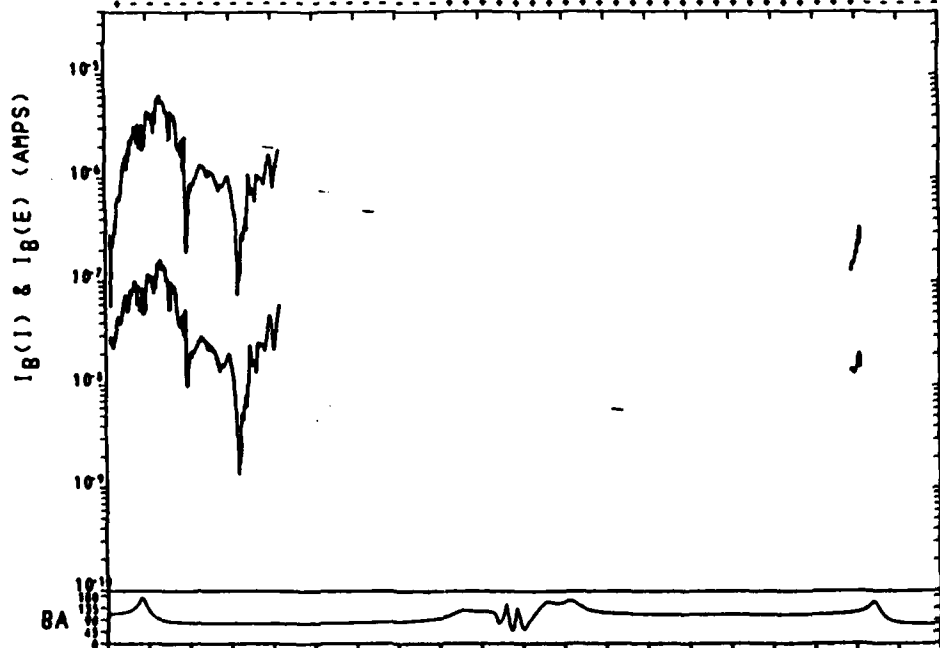
UT	0635:00	0645:00	0655:00	0705:00	0715:00	0725:00	0735:00	0745:00	0755:00	0805:00	0815:00
LT	0857:48	2317:46	2234:18	2215:33	2146:29	1336:26	1045:42	1022:53	1001:45	0824:28	2307:16
ALT	260.56	278.22	261.98	233.44	209.06	187.43	172.24	182.19	222.38	264.81	277.26
LAT	-72.77	-65.24	-25.89	14.00	54.14	81.56	42.95	2.18	-38.28	-77.21	-60.48
LON	36.66	249.16	235.79	228.60	218.84	93.82	48.64	40.44	32.65	5.83	224.03
MLAT	-72.51	-55.82	-18.84	19.30	56.41	70.38	36.69	-1.92	-40.01	-71.06	-54.36
L	7.47	3.06	1.19	1.13	3.21	14.38	1.62	-1.01	2.15	6.28	3.18
SZA	100.56	137.27	160.32	134.98	97.62	59.29	25.14	31.46	67.32	105.18	141.46
MODE	A										



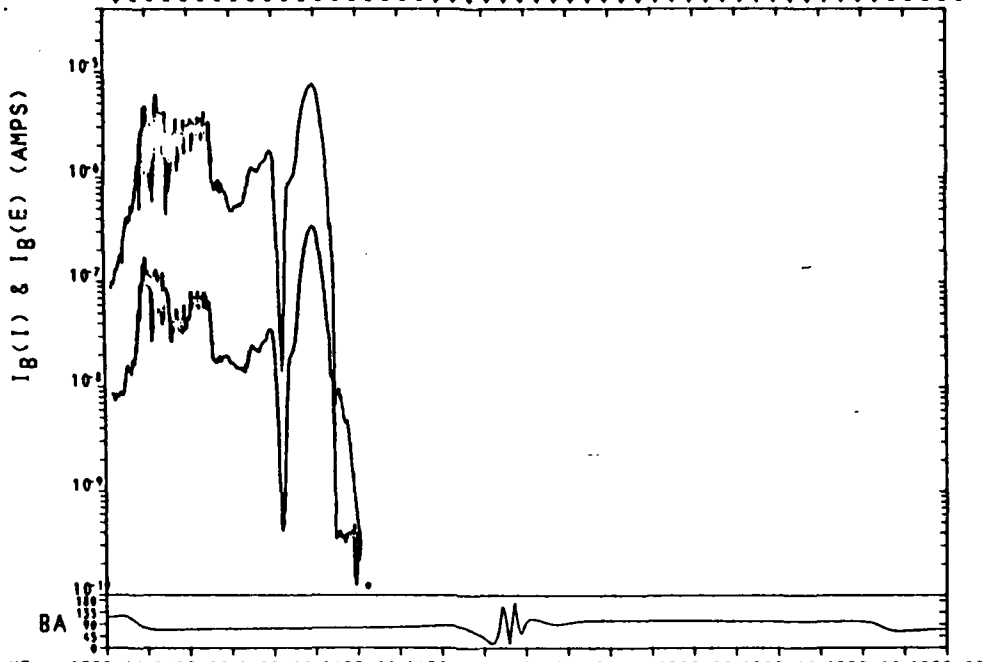
UT	0804:00	0814:00	0824:00	0834:00	0844:00	0854:00	0904:00	0914:00	0924:00	0934:00	0944:00
LT	0852:58	2315:33	2233:48	2215:06	2145:13	1318:08	1044:55	1022:27	1001:03	0815:21	2305:36
ALT	261.08	277.64	260.73	232.16	208.01	186.61	171.90	182.53	223.30	265.14	276.55
LAT	-73.61	-64.36	-24.99	14.93	55.07	80.90	42.00	1.23	-39.22	-78.02	-59.56
LON	13.20	226.35	213.42	206.24	196.27	67.00	26.20	18.08	10.25	341.30	201.37
MLAT	-69.16	-57.70	-21.76	15.98	52.91	70.92	39.69	1.46	-36.56	-69.04	-57.33
L	5.70	3.70	1.22	1.10	2.70	14.33	1.65	1.04	2.04	5.41	4.01
SZA	101.41	138.05	160.25	134.16	96.74	58.41	24.57	32.19	68.20	106.06	142.25
MODE	A										



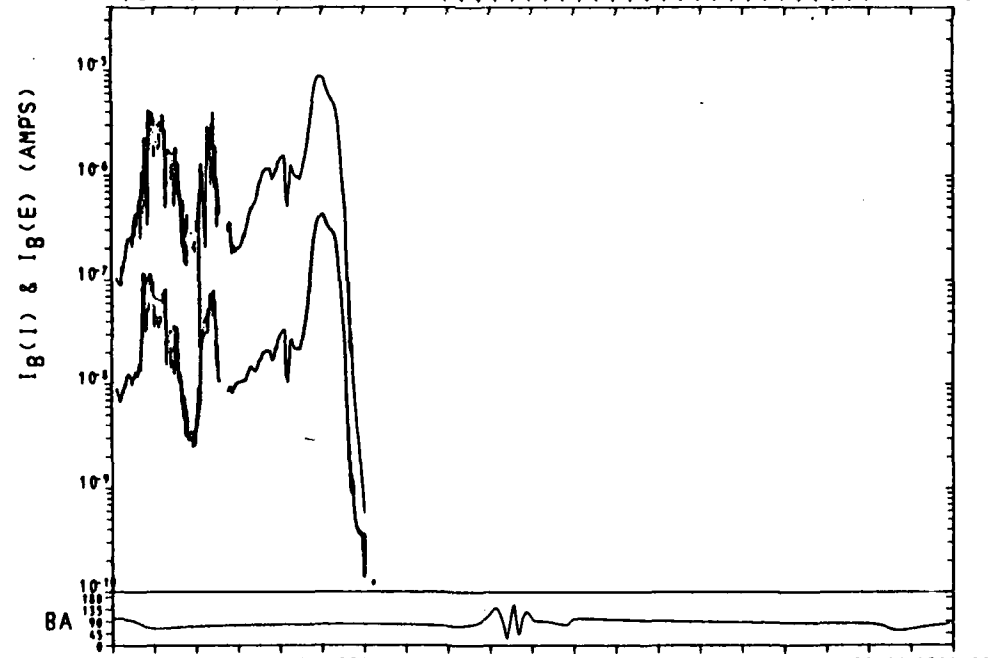
UT	0933:00	0943:00	0953:00	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00	1113:00
LT	0844:24	2313:24	2233:17	2234:38	2143:50	1912:50	1822:07	1822:00	1809:18	0804:35	2303:59
ALT	261.59	277.81	249.45	230.88	208.46	182.78	171.58	183.56	228.27	263.46	275.82
LAT	-74.47	-63.45	-24.04	135.88	55.03	88.17	41.91	30.54	-49.19	-78.46	-275.82
LOW	349.57	203.57	191.04	183.88	175.68	40.68	3.95	355.92	347.79	316.36	178.71
RLAT	-66.70	-60.53	-25.18	12.58	49.94	72.51	43.11	4.77	-33.64	-68.10	-60.83
L	4.76	4.81	1.27	1.07	2.46	15.06	1.01	4.06	1.80	5.12	40.87
SZA	102.30	138.86	160.12	133.31	95.82	57.51	24.00	32.97	60.11	106.97	143.06
MODE	A										



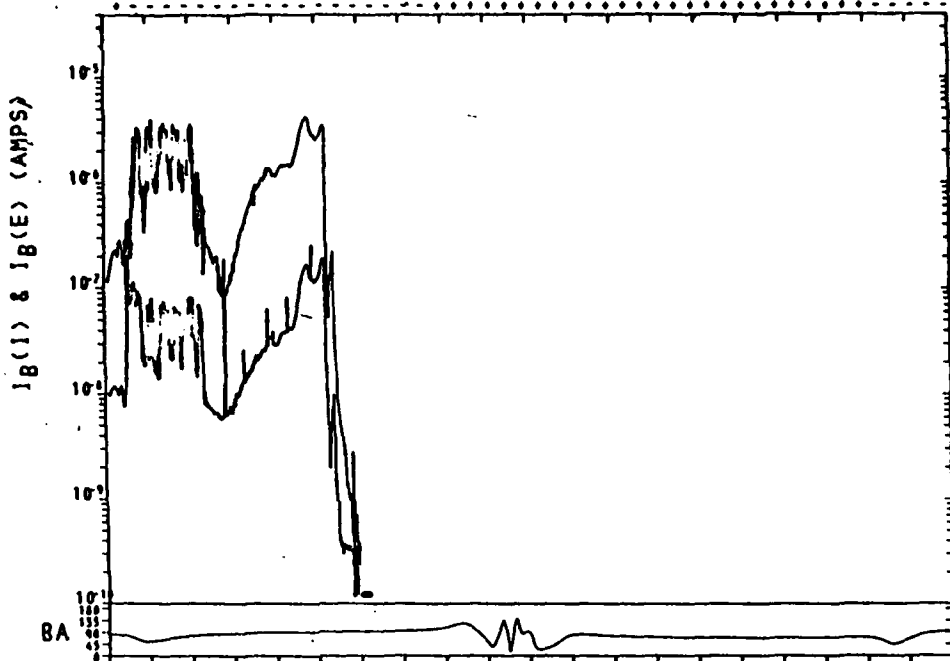
UT	0933:00	0943:00	0953:00	1003:00	1013:00	1023:00	1033:00	1043:00	1053:00	1103:00	1113:00
LT	0855:12	2316:30	2234:09	2219:20	2144:13	1911:15	1824:28	1822:00	1808:20	0804:35	2303:57
ALT	260.05	274.71	249.01	211.88	182.17	160.49	148.44	167.33	218.16	263.40	275.73
LAT	-73.28	-64.71	-25.29	14.76	55.15	80.61	41.30	30.94	-49.18	-78.46	-275.82
LOW	351.52	204.38	191.26	184.05	174.02	43.03	3.83	359.74	347.80	316.37	178.71
RLAT	-65.84	-61.54	-26.36	11.51	49.13	72.62	43.37	4.86	-33.62	-68.10	-60.83
L	4.56	5.11	1.30	1.06	2.37	15.55	1.92	4.06	1.79	5.12	40.87
SZA	101.05	137.74	160.32	134.34	96.67	58.04	24.15	32.88	60.10	106.97	143.05
MODE	A										



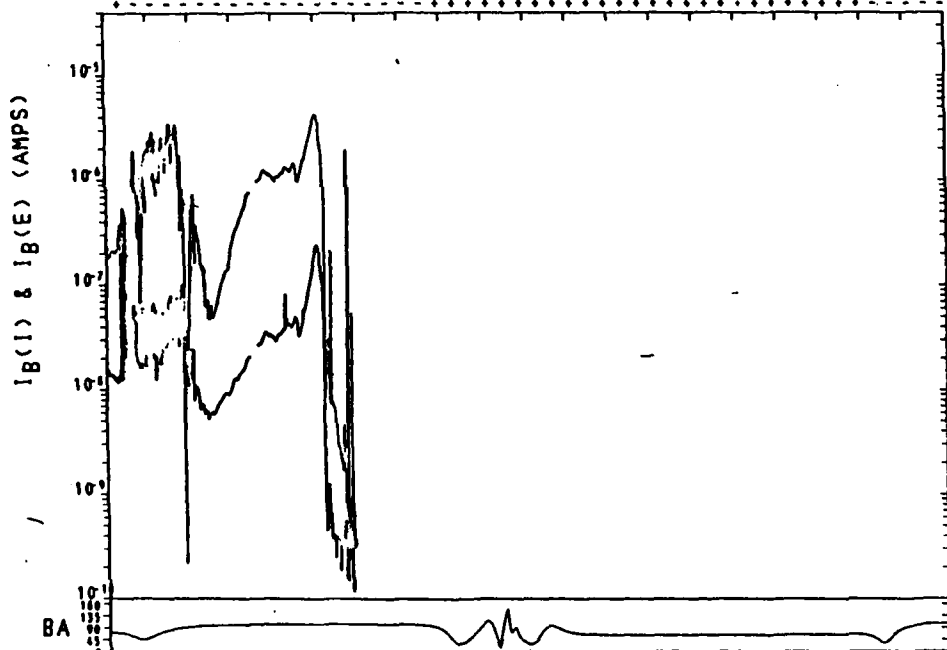
UT	1359:00	1409:00	1419:00	1429:00	1439:00	1449:00	1459:00	1509:00	1519:00	1529:00	1539:00
LT	0853:12	2315:36	2233:45	2115:03	2145:08	1317:10	1044:49	1022:22	1000:58	0814:39	2305:23
ALT	259.74	275.66	258.28	229.68	205.98	185.29	171.23	182.33	222.68	263.88	278.53
LAT	-73.36	-64.40	-23.00	14.94	35.10	80.87	41.94	1.17	-39.28	-78.07	-59.49
LOW	284.33	137.63	124.67	117.49	107.51	338.02	297.43	289.32	281.47	252.39	112.58
RLAT	-62.23	-73.36	-35.91	3.69	43.75	81.35	53.16	12.53	-28.01	-67.95	-70.82
L	3.74	26.56	1.53	1.00	2.33	40.99	2.85	1.15	1.32	5.84	14.45
SZA	101.35	138.00	160.23	134.16	96.72	58.38	24.56	32.24	68.24	106.11	142.30
MODE	A										



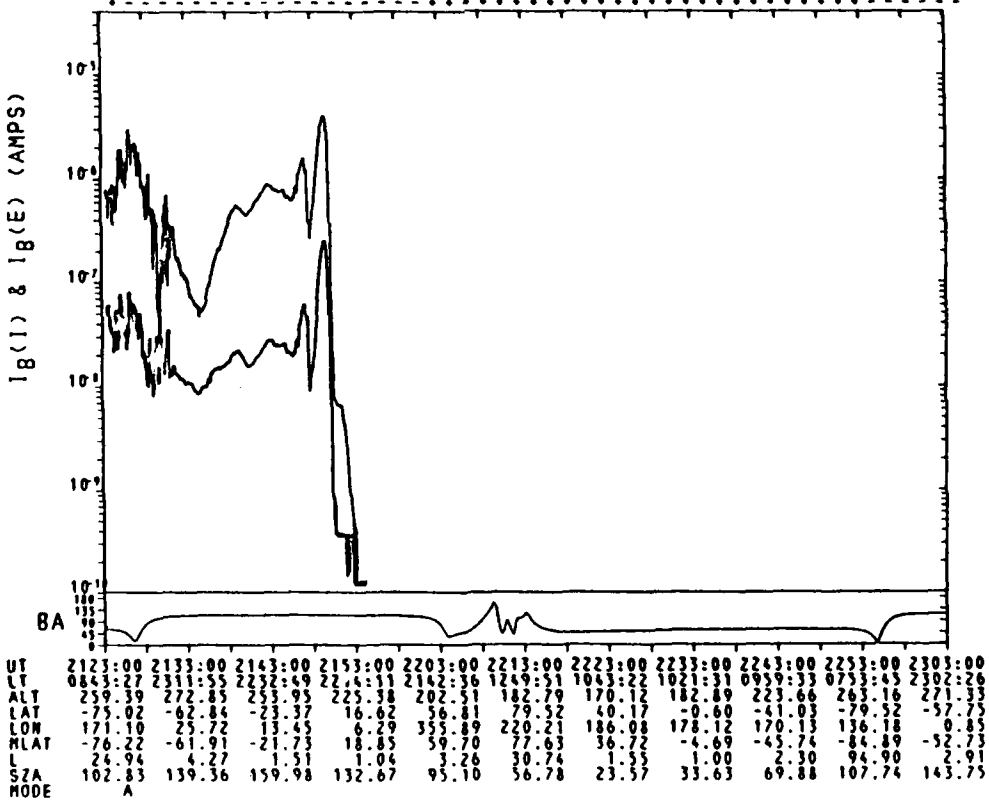
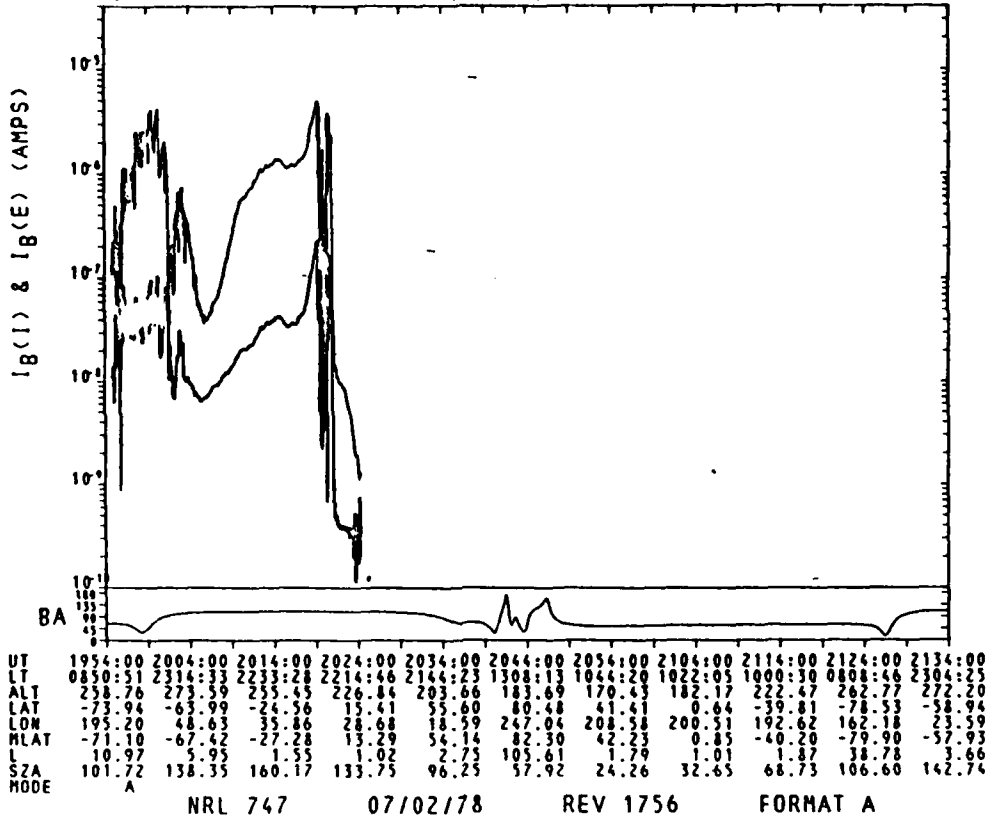
UT	1524:00	1538:00	1548:00	1558:00	1608:00	1618:00	1628:00	1638:00	1648:00	1658:00	1708:00
LT	0846:59	2313:09	2233:10	2214:31	2143:36	1259:11	1043:55	1021:52	1000:08	0802:26	2303:33
ALT	260.40	275.06	256.95	228.36	204.94	184.49	170.96	183.00	223.80	264.30	273.78
LAT	-74.56	-63.37	-23.94	16.01	56.18	80.04	40.84	0.07	-40.37	-78.98	-58.42
LOW	260.72	114.77	102.27	95.11	84.88	311.28	274.96	266.95	259.01	227.09	89.87
RLAT	-64.00	-74.65	-35.20	4.99	45.62	85.74	51.76	10.56	-30.36	-70.88	-68.82
L	4.42	26.52	1.51	1.00	2.51	104.81	2.83	1.07	1.40	8.13	9.09
SZA	102.34	138.91	160.09	133.20	95.69	57.37	23.92	33.11	69.26	107.12	143.20
MODE	A										

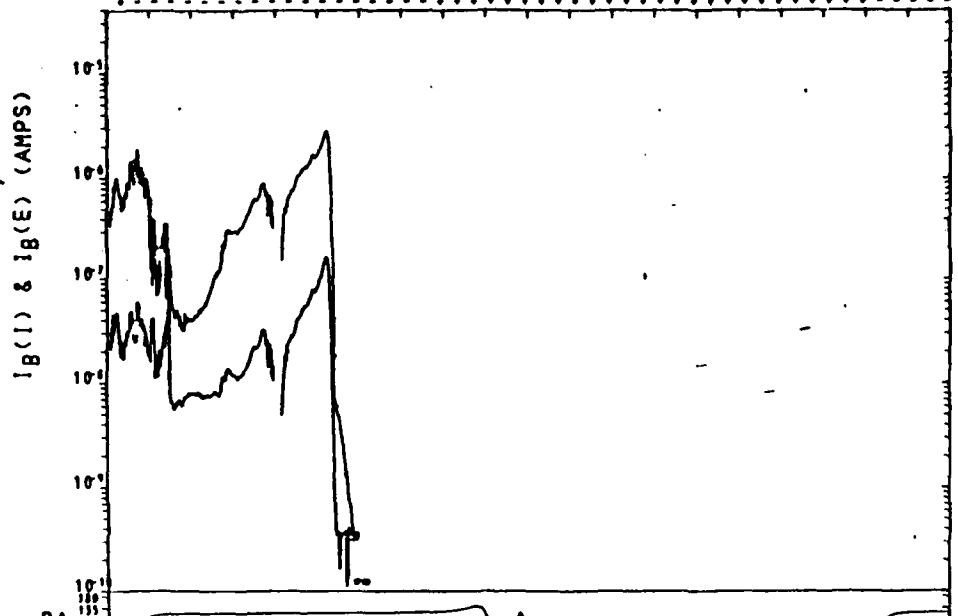


UT	1657:00	1707:00	1717:00	1727:00	1737:00	1747:00	1757:00	1807:00	1817:00	1827:00	1837:00
LT	0839:44	2310:49	2232:35	2213:58	2141:56	1243:38	1043:02	1021:21	0959:14	0747:40	2301:47
ALT	261.02	274.40	255.58	227.02	203.87	183.67	170.69	183.67	224.92	264.66	272.95
LAT	-75.52	-62.32	-22.85	17.12	57.29	79.14	39.70	-1.07	-41.48	-79.87	-52.33
LONG	236.67	91.94	79.88	72.73	62.22	285.14	252.49	244.57	236.55	201.15	67.18
MLAT	-66.84	-72.84	-32.60	7.90	48.81	89.04	48.38	6.98	-34.07	-74.59	-64.70
L	5.87	13.64	1.47	1.00	2.72	1181.82	2.32	1.03	1.55	13.02	5.62
SZA	103.36	139.83	159.89	132.22	94.63	56.33	23.31	34.01	70.31	108.17	144.11
MODE	A										

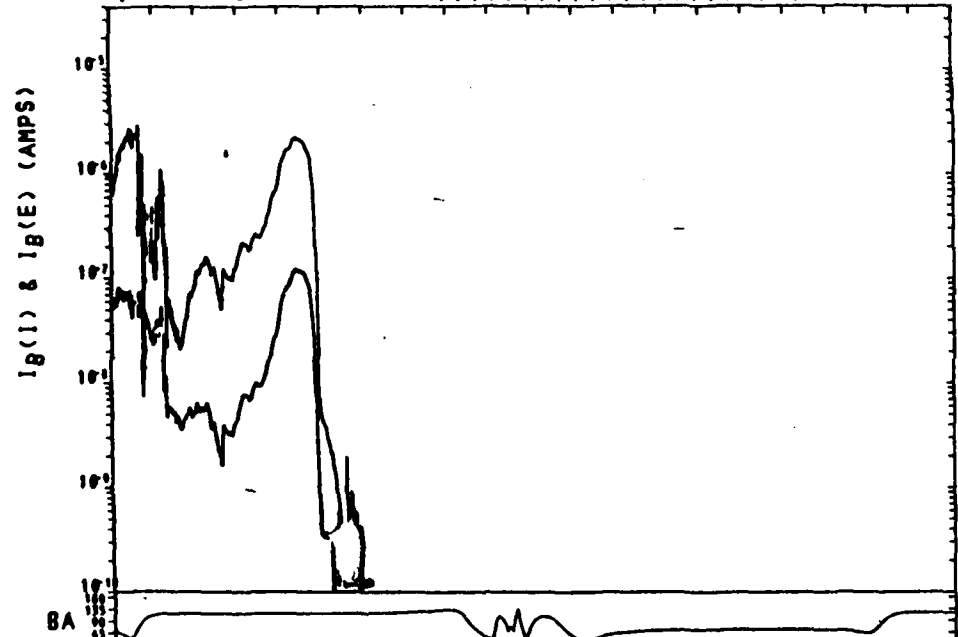


UT	1826:00	1836:00	1846:00	1856:00	1906:00	1916:00	1926:00	1936:00	1946:00	1956:00	2006:00
LT	0831:13	2308:35	2231:59	2213:24	2140:05	1230:10	1042:09	1020:49	0958:18	0729:35	2300:05
ALT	261.59	273.66	254.15	225.64	202.77	182.80	170.61	184.36	226.04	264.96	272.05
LAT	-76.52	-61.23	-21.73	18.26	58.42	78.17	38.54	-2.23	-42.63	-80.74	-56.20
LONG	212.29	69.13	57.48	50.34	39.51	259.53	230.03	222.19	214.06	174.38	64.51
MLAT	-70.58	-68.71	-28.42	12.17	53.11	84.05	43.58	2.19	-38.85	-78.82	-59.45
L	8.91	7.32	1.43	1.03	2.98	170.41	1.87	1.02	1.79	24.35	4.02
SZA	104.41	140.78	159.63	131.20	93.54	55.26	22.71	34.95	71.40	109.24	145.05
MODE	A										

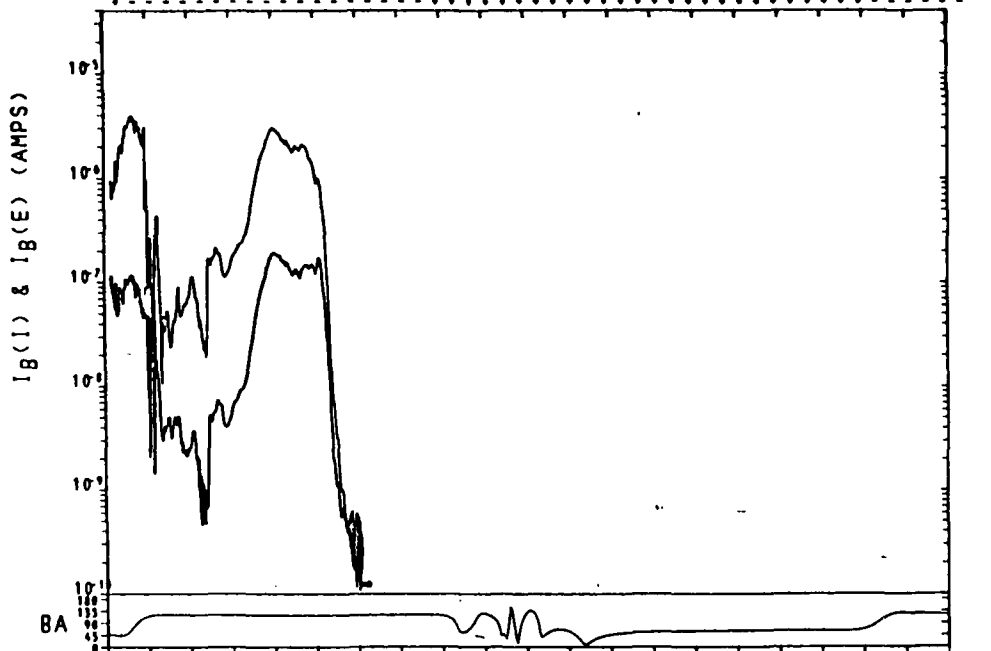




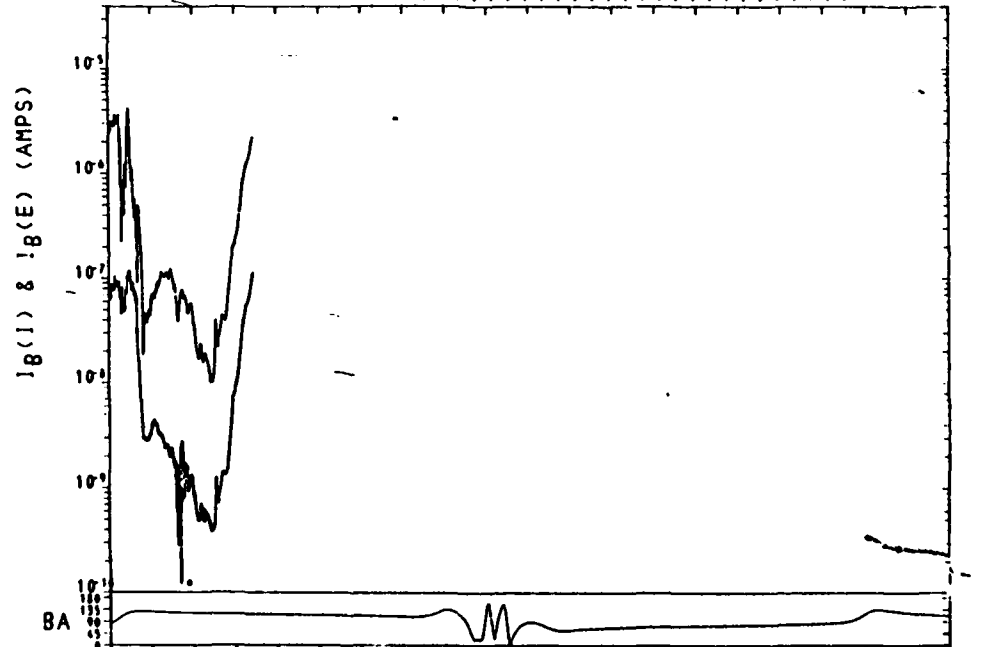
UT	2232:00	2302:00	2312:00	2322:00	2332:00	2342:00	2352:00	0002:00	0012:00	0022:00	0032:00
LT	0834:40	2309:25	2332:10	2213:33	2140:39	1234:12	1042:24	1020:57	0958:33	0735:57	2300:31
ALT	260.02	272.07	252.43	223.93	201.38	181.92	169.85	183.76	228.47	271.28	278.81
LAT	-76.12	-61.65	-22.14	17.86	58.05	78.48	38.90	-1.87	-42.27	-80.46	-56.60
LOW	146.66	2.85	351.04	343.88	333.16	194.05	163.60	155.73	147.63	109.49	338.13
RLAT	-81.64	-56.74	-16.44	24.18	65.11	73.14	31.74	-9.66	-50.70	-88.18	-48.33
L	104.83	3.30	1.38	1.09	4.36	15.61	1.39	1.02	2.86	60.66	2.34
SZA	103.98	140.40	159.73	131.56	93.90	55.61	22.91	34.65	71.04	108.87	144.69
MODE	A										



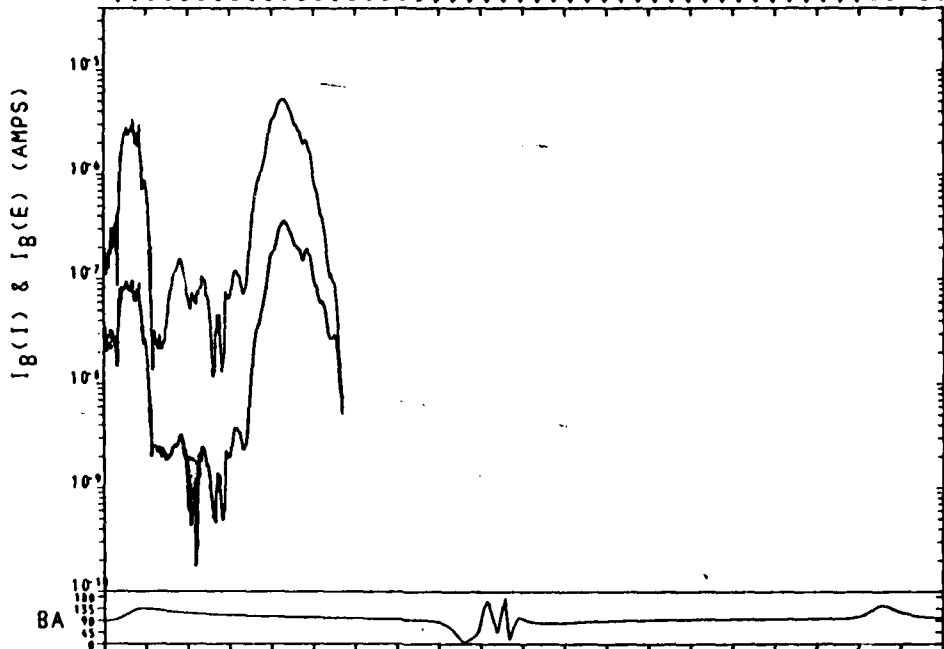
UT	0021:00	0031:00	0041:00	0051:00	0101:00	0111:00	0121:00	0131:00	0141:00	0151:00	0201:00
LT	0824:10	2307:02	2231:31	2212:33	2138:30	1220:51	1051:26	1020:22	0957:27	0712:07	2258:42
ALT	260.06	271.26	240.90	222.46	200.26	181.06	169.64	184.48	226.01	263.93	269.49
LAT	-77.22	-60.42	-20.88	19.16	59.37	77.36	37.60	-1.17	-43.56	-81.40	-55.25
LOW	121.79	340.00	328.03	321.46	310.37	168.46	161.11	131.34	123.11	81.28	315.42
RLAT	-87.03	-52.00	-11.92	21.00	69.70	69.15	27.74	-1.01	-54.39	-84.68	-44.81
L	289.43	2.01	1.42	1.29	6.70	10.51	1.31	1.01	3.43	25.38	1.96
SZA	105.15	141.46	159.39	130.41	92.68	54.42	22.28	35.72	72.27	110.11	145.80
MODE	A										



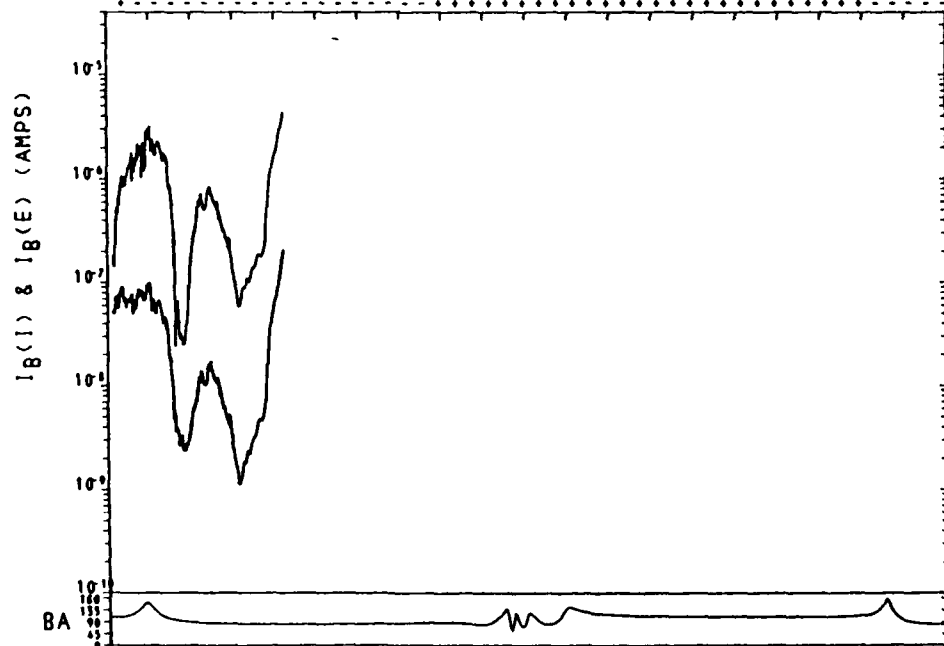
UT	0149:00	0159:00	0209:00	0219:00	0229:00	0239:00	0249:00	0259:00	0309:00	0319:00	0329:00
LT	0845:02	2332:22	2232:54	2214:14	2142:50	1252:06	1043:27	1021:34	0959:39	0753:48	2302:36
ALT	258.05	271.30	252.18	223.64	201.12	181.92	169.64	182.41	222.86	261.98	269.76
LAT	-74.80	-63.06	-23.58	18.42	56.63	79.66	40.34	-0.44	-40.87	-79.40	-57.88
LOW	105.01	319.34	306.98	299.81	289.66	154.28	119.61	111.64	103.67	70.20	294.40
MLAT	-86.03	-52.82	-12.72	27.58	67.99	69.96	29.14	-11.79	-52.16	-82.64	-46.56
L	110.04	2.49	1.17	1.40	7.31	12.46	1.40	1.00	2.98	19.86	1.97
SZA	102.59	139.15	160.01	132.85	95.28	56.95	23.68	33.50	69.72	107.58	143.61
MODE	A										



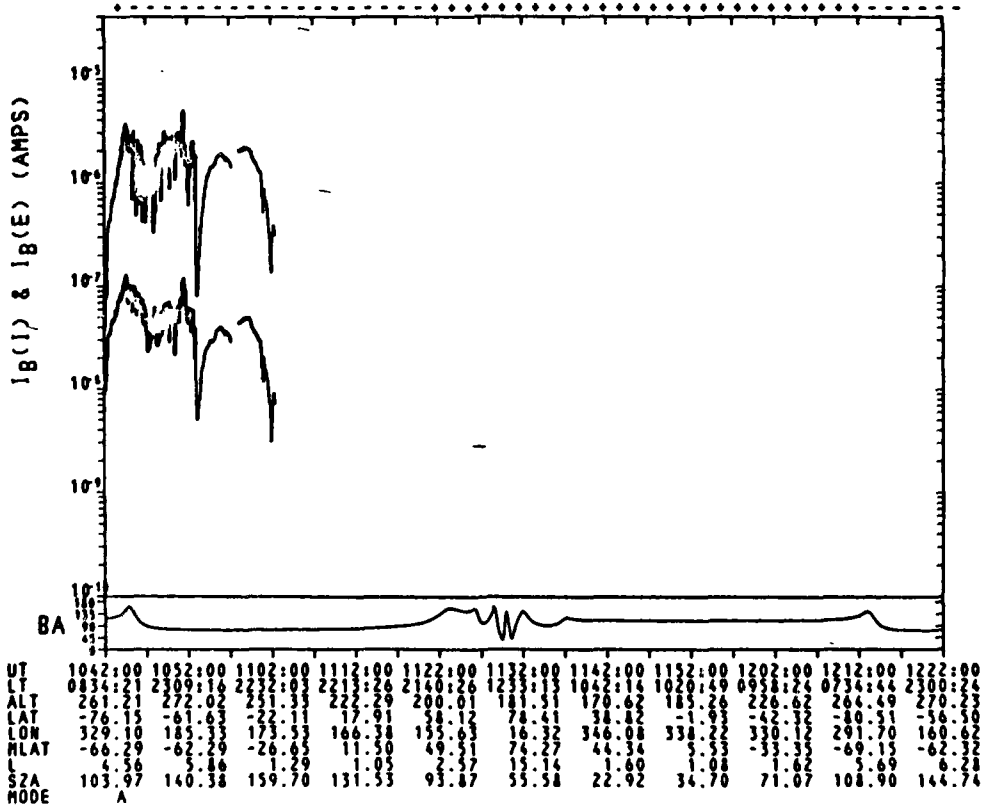
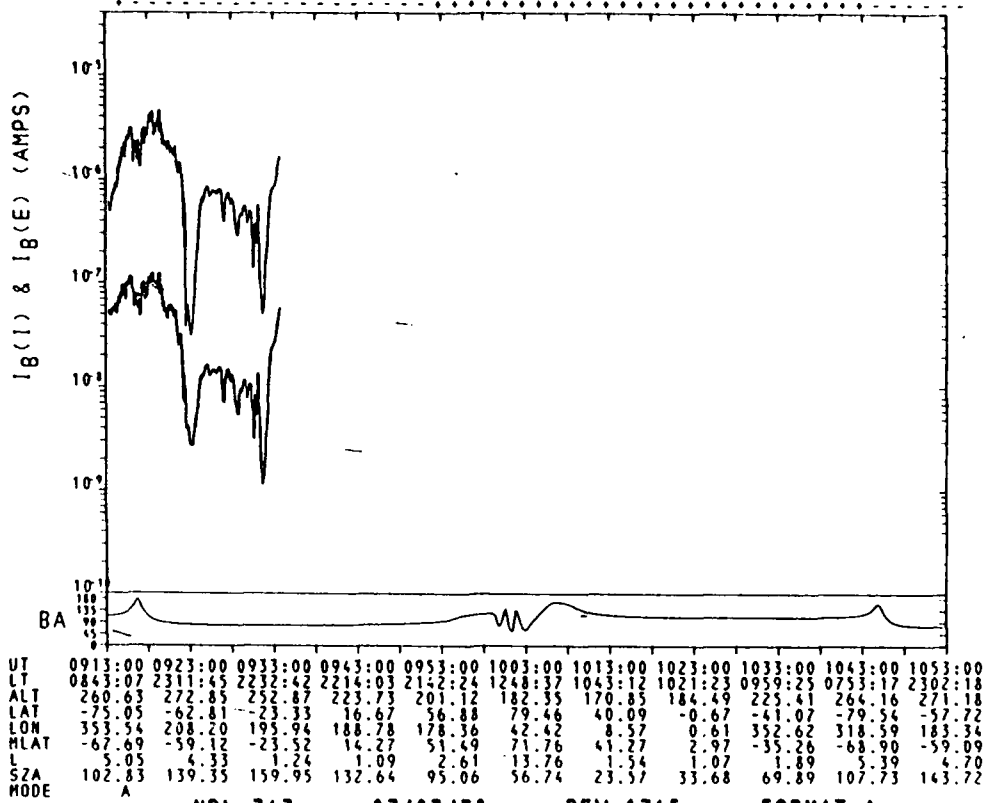
UT	0320:00	0330:00	0340:00	0350:00	0400:00	0410:00	0420:00	0430:00	0440:00	0450:00	0500:00
LT	0843:17	2256:58	2228:15	2209:25	2124:06	1137:50	1036:58	1017:17	0951:03	0350:38	2250:50
ALT	264.15	268.46	244.84	217.18	196.12	177.68	169.58	189.82	233.28	266.62	265.91
LAT	-82.23	-53.96	-14.29	25.80	65.91	71.15	30.82	-9.93	-50.50	-83.59	-48.70
LOW	51.83	292.74	283.06	275.86	262.03	112.96	95.25	87.82	78.77	346.16	268.72
MLAT	-80.30	-42.62	-3.00	36.81	75.11	59.80	19.77	-20.45	-59.51	-74.21	-37.94
L	14.22	1.76	1.09	1.67	17.46	5.80	1.14	1.10	4.37	7.98	1.62
SZA	111.33	146.84	156.63	124.34	86.30	48.26	20.05	41.42	78.56	116.30	150.88
MODE	A										

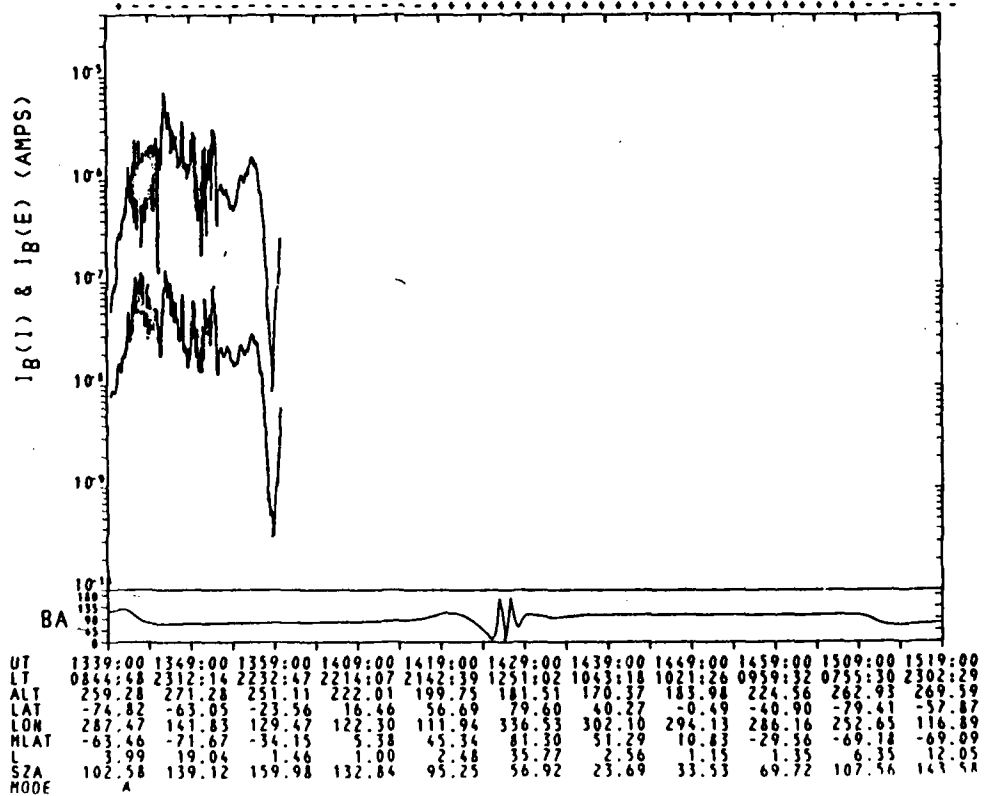
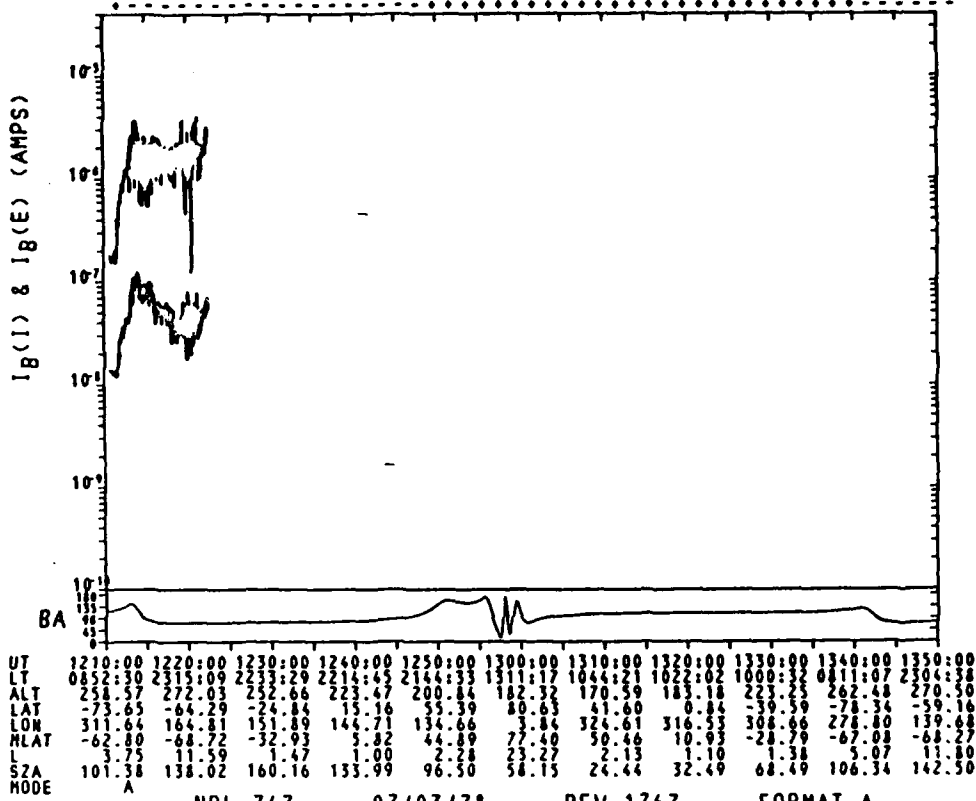


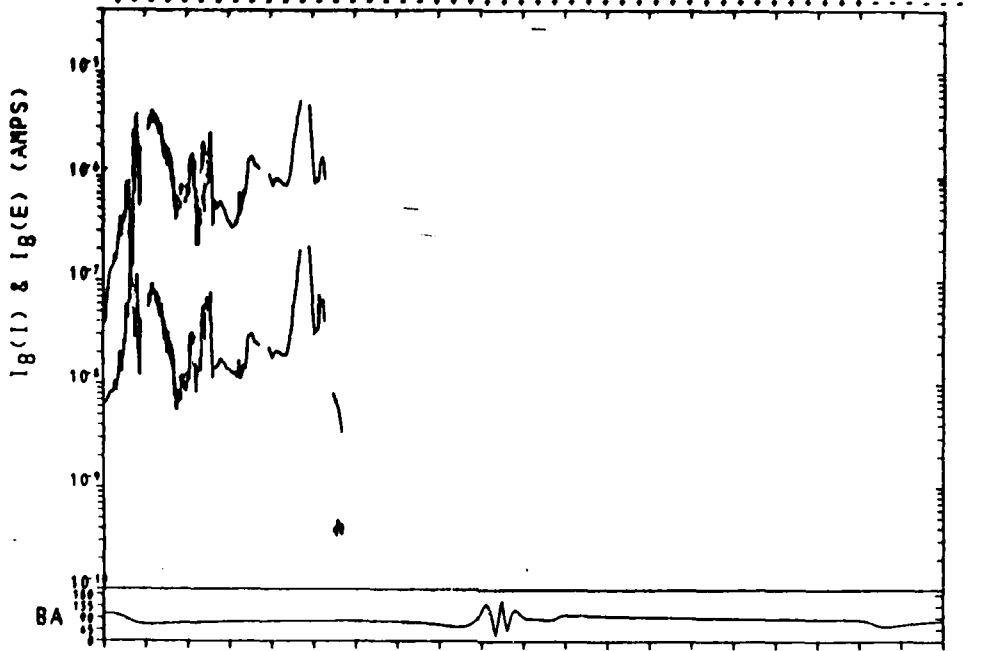
UT	0447:00	0457:00	0507:00	0517:00	0527:00	0537:00	0547:00	0557:00	0607:00	0617:00	0627:00
LT	0829:47	2307:04	2231:29	2212:54	2138:29	1220:39	1041:23	1020:19	0957:25	0711:37	2258:36
ALT	-239.49	269.71	249.02	220.68	198.85	180.18	169.17	184.12	225.33	262.79	267.79
LAT	-73.17	-60.48	-20.92	-19.12	59.32	77.35	37.58	-3.19	-43.58	-81.42	-55.21
LOW	-55.45	273.52	262.13	254.98	243.88	101.92	74.60	66.84	38.61	14.66	248.91
MLAT	-70.02	-49.44	-10.75	24.34	66.02	66.05	28.01	-11.51	-50.01	-75.25	-46.03
L	1.07	2.20	1.10	1.31	6.41	9.33	1.34	1.02	2.75	8.59	2.11
SZA	105.08	141.40	159.39	130.43	92.69	54.42	22.29	35.73	72.27	110.12	145.81
MODE	A										



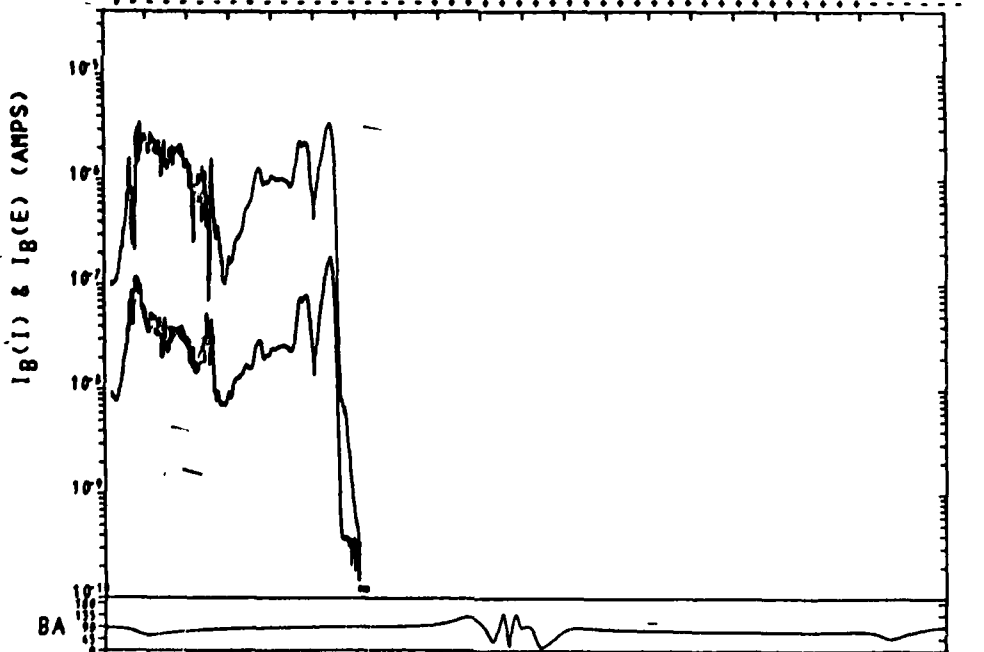
UT	0744:00	0754:00	0804:00	0814:00	0824:00	0834:00	0844:00	0854:00	0904:00	0914:00	0924:00
LT	0850:31	2314:22	2233:21	2214:39	2144:11	1304:40	1044:10	1021:57	1000:22	0808:18	2304:16
ALT	260.04	273.65	254.40	225.18	202.24	183.20	171.13	183.40	224.25	263.82	272.15
LAT	-73.98	-63.96	-24.52	15.47	55.67	80.42	41.32	0.56	-39.86	-78.55	-58.92
LOW	17.64	231.10	218.35	211.17	201.06	69.18	31.05	23.00	15.11	344.59	206.08
MLAT	-70.17	-56.66	-20.40	17.48	54.38	70.34	38.13	-0.16	-38.10	-69.82	-55.87
L	6.10	3.44	1.20	1.12	2.88	13.49	1.60	1.04	-2.12	5.70	3.87
SZA	101.73	138.33	160.13	133.71	96.21	57.87	24.26	32.70	68.75	106.60	142.72
MODE	A										



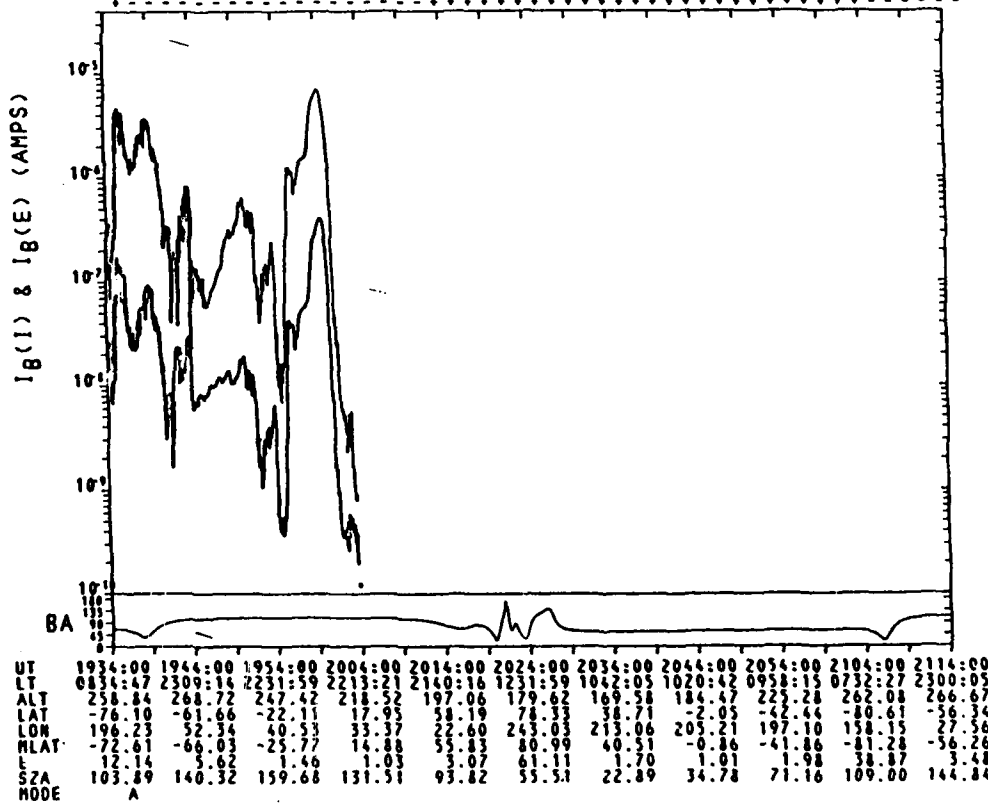
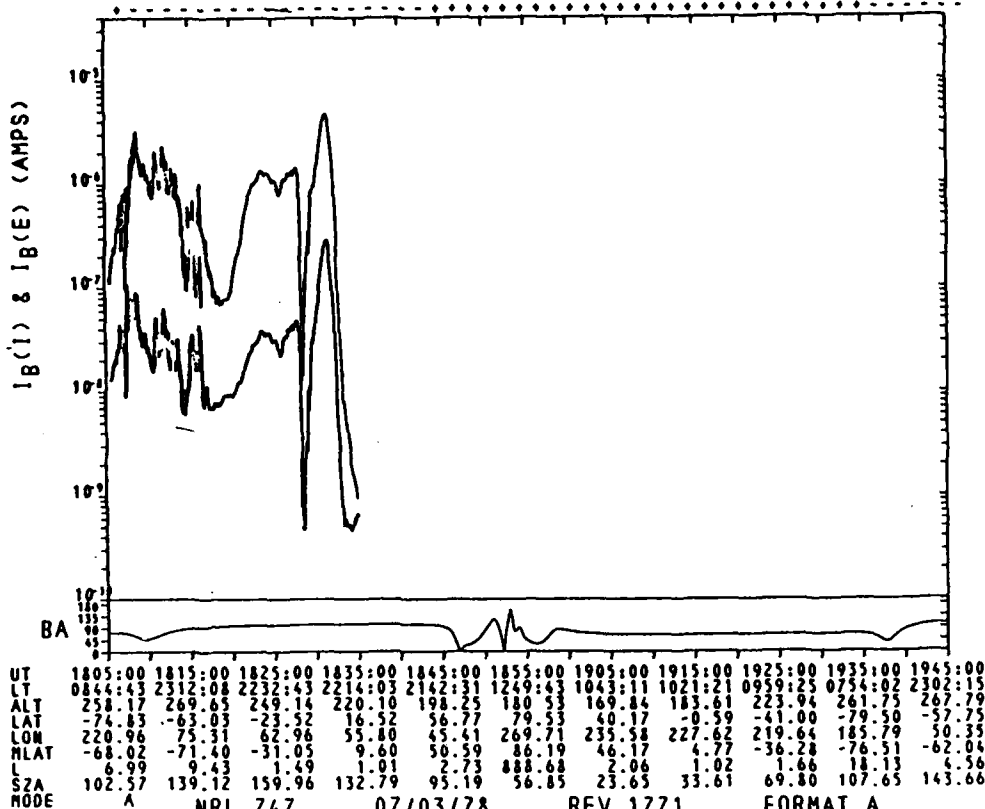


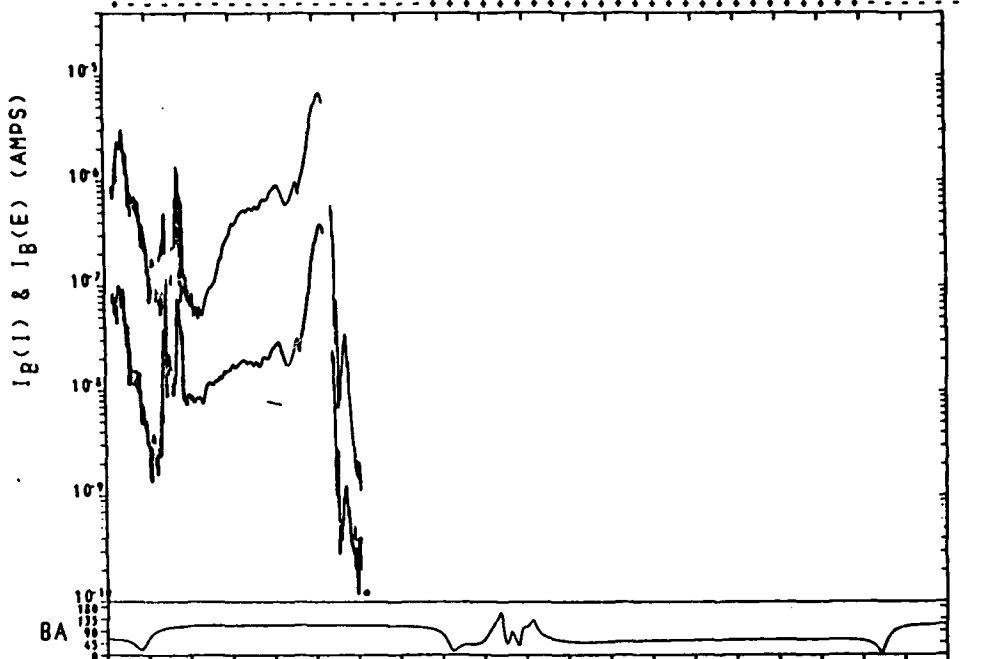


UT	1508:00	1518:00	1528:00	1538:00	1548:00	1558:00	1608:00	1618:00	1628:00	1638:00	1648:00
LT	0835:38	2309:30	2232:09	2213:28	2140:35	1234:09	1042:15	1020:49	0958:27	0736:01	2300:26
ALT	259.98	270.67	249.53	220.55	198.66	180.70	170.17	184.83	225.88	263.31	268.60
LAT	-76.00	-61.78	-22.73	17.79	58.02	78.49	38.91	-1.85	-42.24	-80.45	-56.56
LON	267.91	118.90	107.05	99.89	89.17	310.06	279.59	271.73	263.64	225.53	94.14
HLAT	-63.31	-72.88	-33.60	6.58	47.19	85.92	50.07	8.98	-31.85	-72.25	-67.35
L	4.75	20.89	1.43	1.00	2.72	84.51	2.63	1.08	1.43	9.03	8.33
SZA	103.80	140.23	159.72	131.65	93.98	55.68	22.98	34.62	70.98	108.81	144.67
MODE	A										

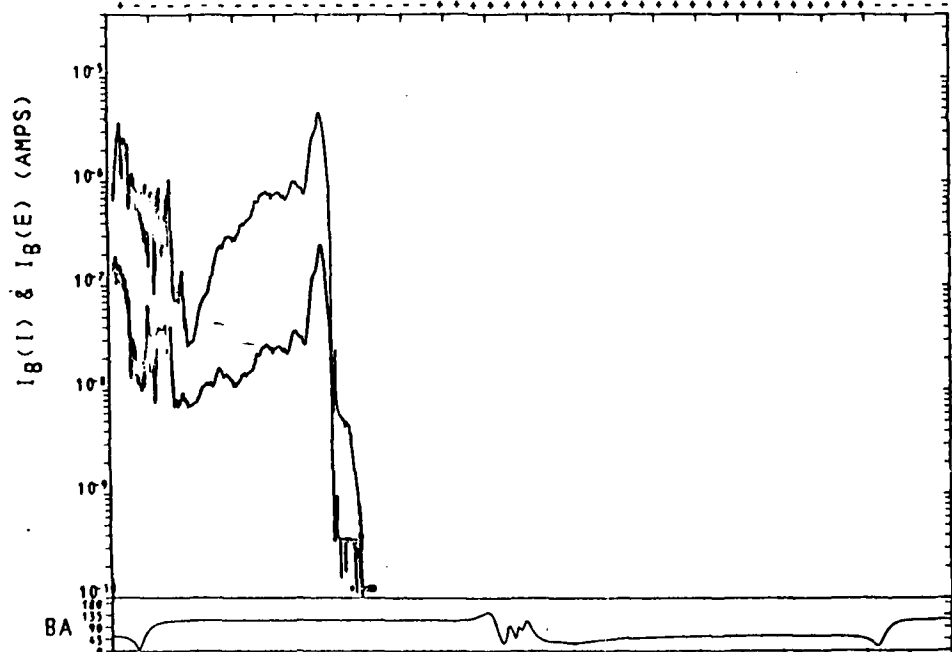


UT	1636:00	1646:00	1656:00	1706:00	1716:00	1726:00	1736:00	1746:00	1756:00	1806:00	1816:00
LT	0852:57	2315:14	2233:28	2214:44	2144:33	1311:13	1044:18	1022:00	1000:31	0811:00	2304:32
ALT	257.44	270.49	250.81	221.66	199.41	181.41	170.11	182.78	222.61	261.35	268.42
LAT	-73.58	-64.36	-24.89	15.13	55.37	80.63	41.60	0.83	-39.60	-78.35	-59.15
LON	245.27	98.34	83.40	78.21	68.17	297.33	258.11	250.03	242.16	218.28	73.16
HLAT	-64.21	-75.35	-35.16	5.35	46.26	87.53	50.97	9.59	-31.43	-72.03	-67.38
L	4.78	20.62	1.56	1.00	2.48	340.53	2.64	1.05	1.46	9.86	6.92
SZA	101.29	137.95	160.15	134.03	96.52	58.16	24.45	32.49	68.49	106.34	142.50
MODE	A										

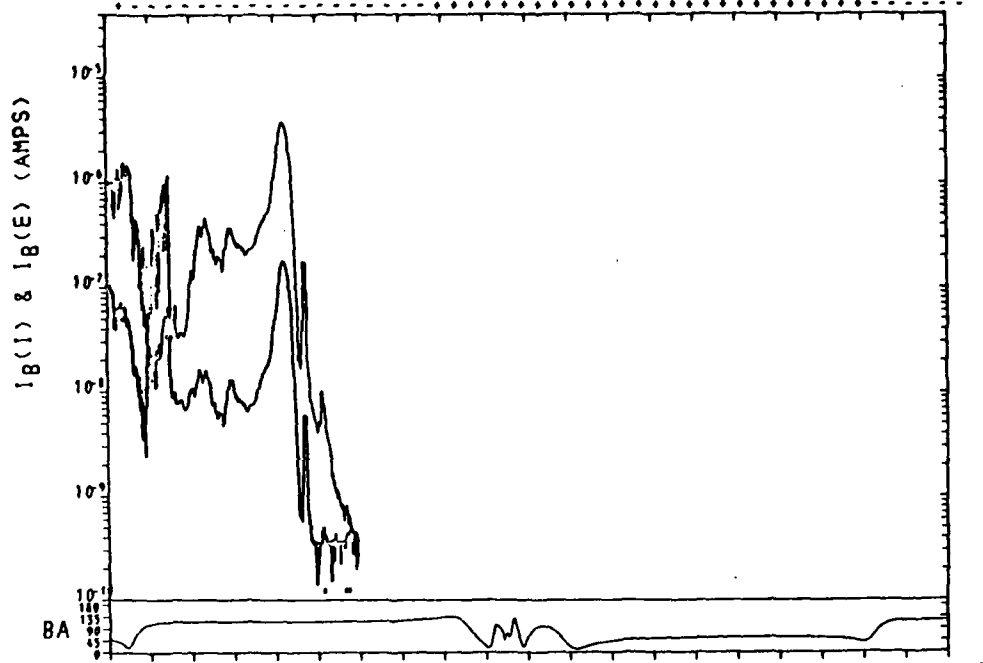




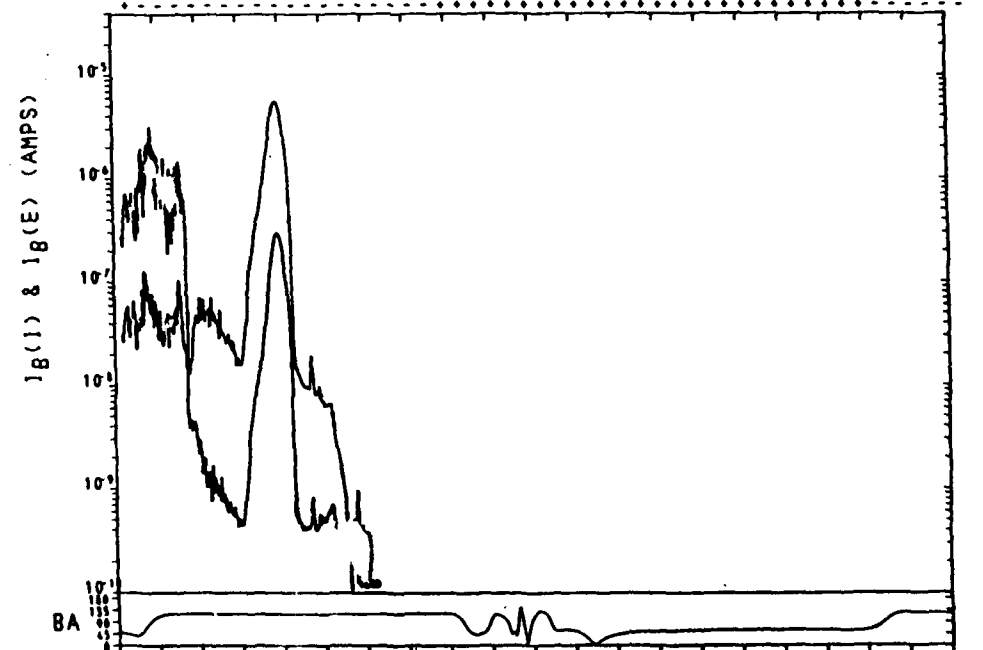
UT	2102:00	2112:00	2122:00	2132:00	2142:00	2152:00	2202:00	2212:00	2222:00	2232:00	2242:00
LT	0851:42	2314:42	2233:19	2214:34	2144:06	1306:17	1044:02	1021:50	1000:14	0807:20	2303:38
ALT	256.33	268.68	248.57	219.49	197.67	180.21	169.44	182.44	222.11	260.18	266.86
LAT	-73.77	-64.14	-24.65	15.40	55.66	80.40	41.29	0.52	-39.91	-78.62	-58.80
LOX	178.46	31.71	18.87	11.68	1.36	229.61	191.55	183.50	175.60	144.87	6.33
MLAT	-73.94	-64.23	-24.03	16.60	57.51	79.49	38.81	-2.58	-43.62	-83.11	-54.68
L	17.52	4.78	1.55	1.02	2.96	46.66	1.63	1.00	2.11	84.85	3.14
SZA	101.47	138.13	160.12	133.80	96.26	57.90	24.29	32.73	68.77	106.63	142.77
MODE	A										



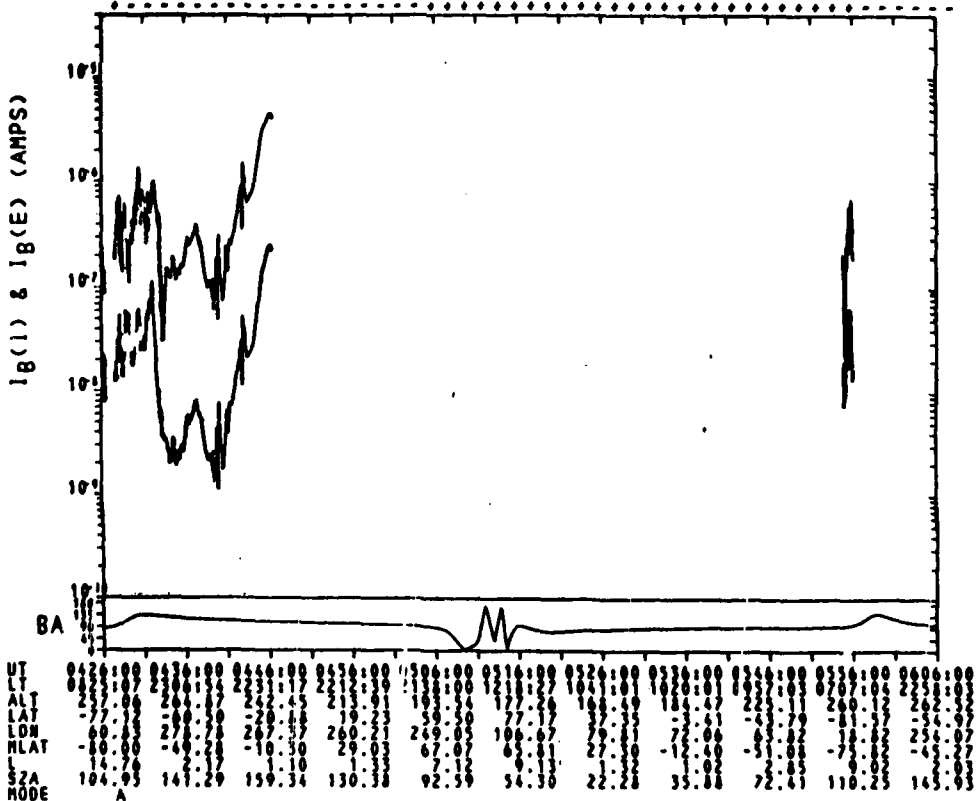
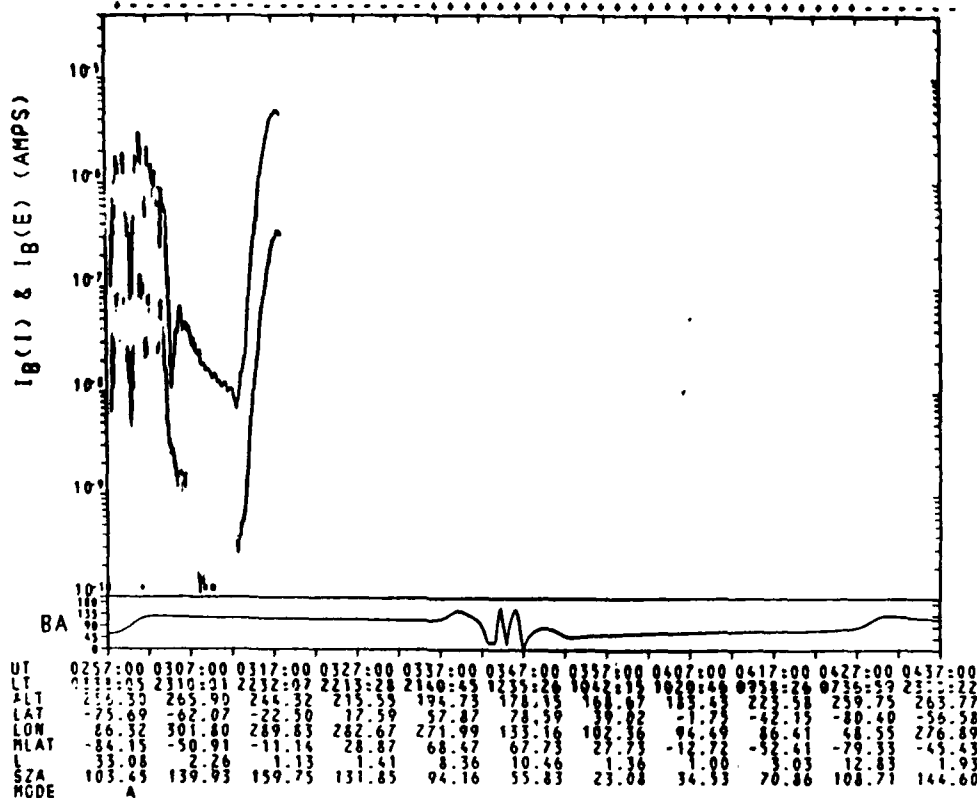
UT	2231:00	2241:00	2251:00	2301:00	2311:00	2321:00	2331:00	2341:00	2351:00	0001:00	0011:00
LT	0842:32	2311:25	2232:31	2213:50	2141:51	1244:19	1042:50	1021:08	0959:02	0748:00	2301:28
ALT	257.07	267.76	246.79	217.86	196.47	179.31	169.18	183.36	223.54	260.61	260.17
LAT	-75.12	-62.70	-23.16	16.90	57.16	79.19	39.75	-1.01	-41.42	-79.84	-57.29
LOX	153.92	8.64	356.42	349.25	338.76	201.87	169.00	161.08	153.05	117.79	343.66
MLAT	-79.60	-58.69	-18.36	22.31	63.29	74.72	33.39	-0.01	-49.07	-88.03	-49.71
L	60.97	3.60	1.43	1.07	3.86	19.39	1.44	1.01	2.65	87.27	2.48
SZA	102.86	139.39	159.89	132.46	94.82	56.48	23.44	33.94	70.19	108.04	144.03
MODE	A										

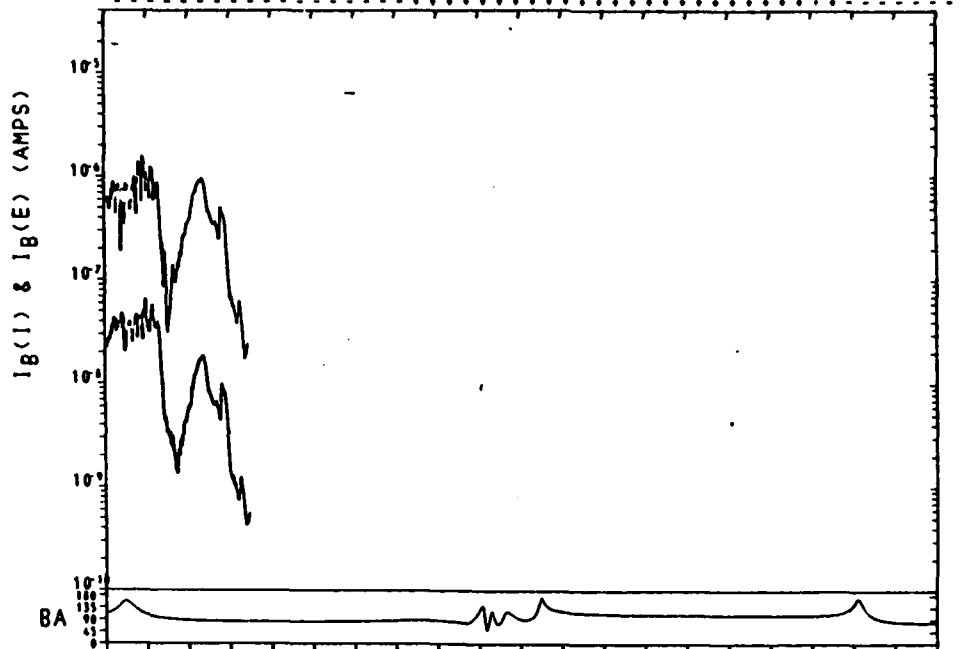


UT	0000:00	0010:00	0020:00	0030:00	0040:00	0050:00	0100:00	0110:00	0120:00	0130:00	0140:00
LT	0831:19	2308:21	2231:42	2213:04	2139:23	1226:27	1041:40	1020:25	0957:46	0723:05	2259:16
ALT	257.80	266.79	245.00	216.25	195.30	178.43	168.98	184.33	225.02	261.02	264.65
LAT	-76.48	-61.22	-21.64	18.44	58.70	77.88	38.18	-2.58	-42.97	-81.00	-55.79
LONG	123.87	345.63	333.97	326.81	315.89	175.16	146.46	138.65	130.49	89.31	320.86
MLAT	-85.30	-53.77	-13.37	27.29	68.32	70.32	28.85	-12.46	-53.39	-85.78	-45.76
L	499.66	2.81	1.26	1.19	5.87	11.71	1.33	1.01	3.25	31.80	2.02
SZA	104.28	140.68	159.56	131.08	93.35	55.04	22.65	35.21	71.65	109.49	143.27
MODE	A										

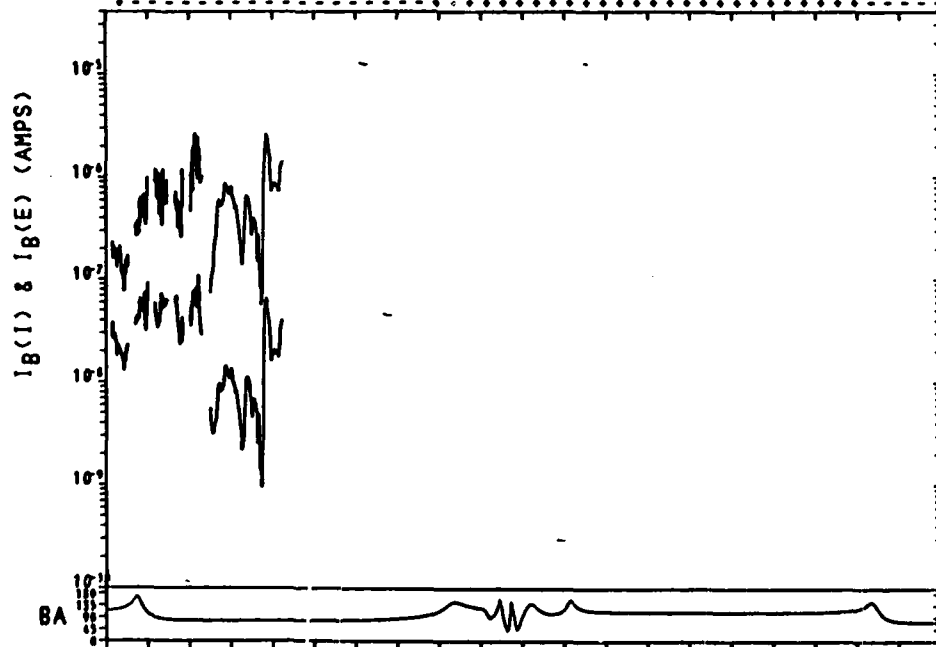


UT	0128:00	0138:00	0148:00	0158:00	0208:00	0218:00	0228:00	0238:00	0248:00	0258:00	0308:00
LT	0848:02	2313:24	2232:58	2214:14	2141:00	1226:35	1041:40	1020:25	0957:46	0723:05	2259:16
ALT	255.57	266.83	246.13	217.08	195.00	179.02	168.87	184.33	222.04	259.29	264.65
LAT	-74.26	-63.61	-24.08	13.09	56.26	79.02	40.63	-0.11	-40.34	-79.14	-58.16
LONG	111.18	324.90	312.29	305.11	294.14	160.69	124.03	116.93	108.08	76.48	299.76
MLAT	-81.60	-52.80	-13.59	24.89	67.55	70.49	29.63	-11.37	-51.90	-83.73	-46.95
L	222.45	2.61	1.18	1.16	6.72	13.29	1.41	1.00	2.94	23.36	2.09
SZA	101.96	138.58	160.04	133.28	95.69	57.33	23.95	33.22	69.35	107.21	143.29
MODE	A										

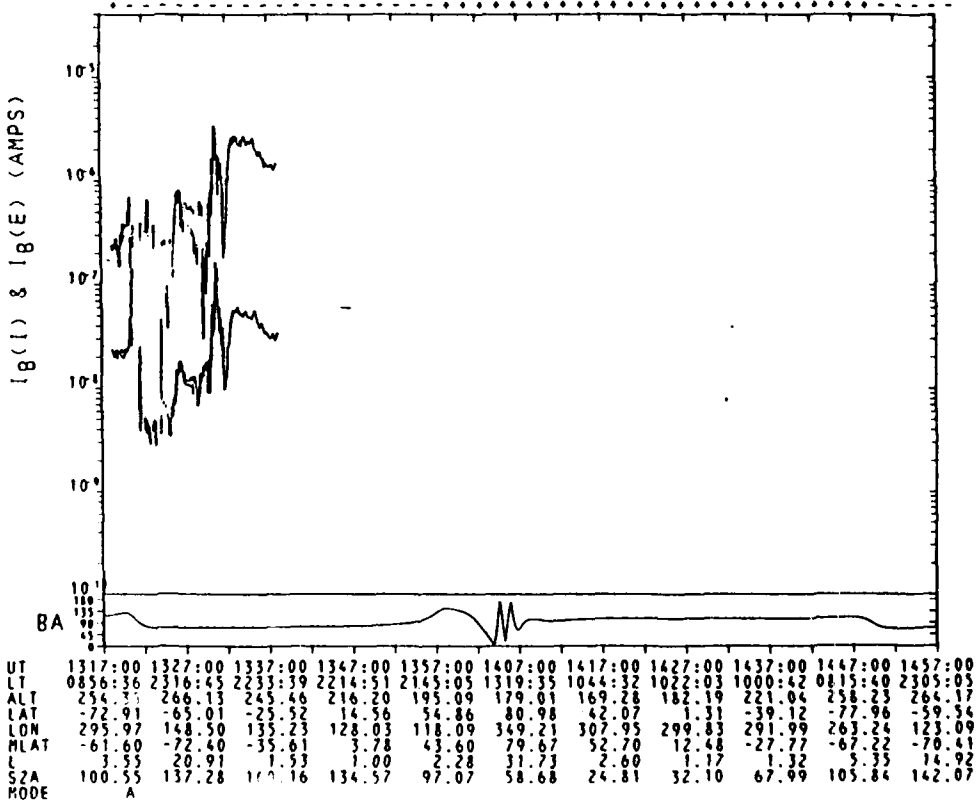
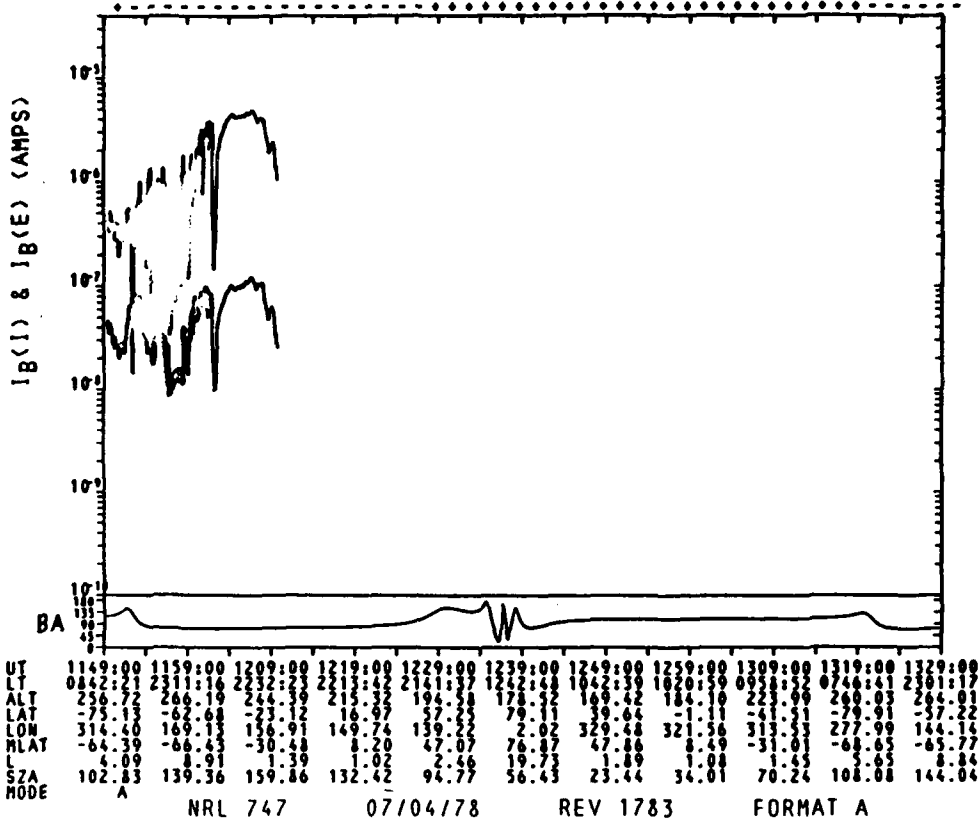


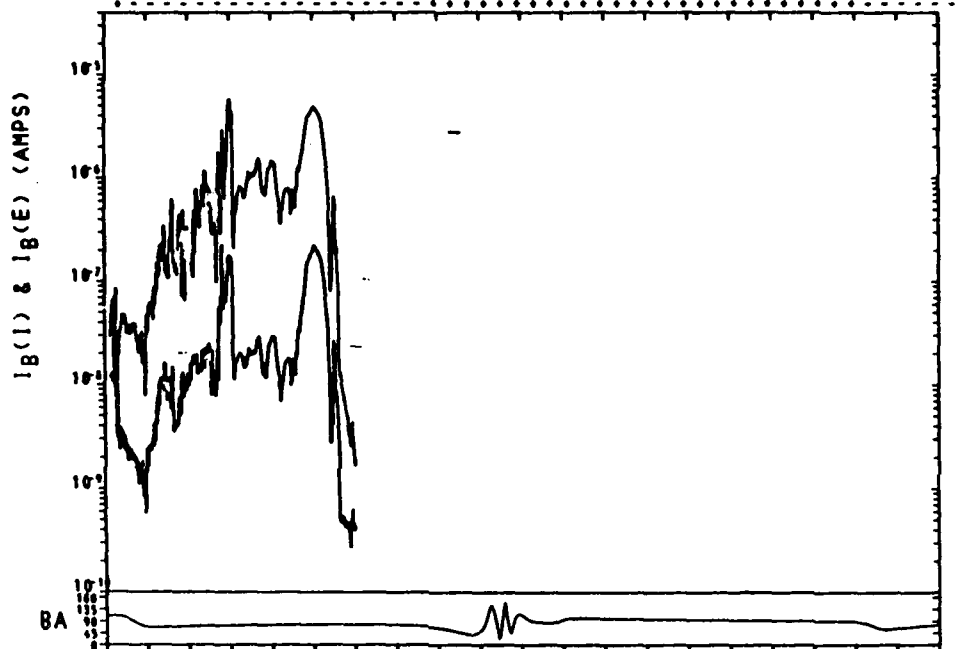


UT	0725:00	0735:00	0745:00	0755:00	0805:00	0815:00	0825:00	0835:00	0845:00	0855:00	0905:00
LT	0713:17	2258:39	2228:41	2209:56	2127:16	1143:36	1037:33	1017:40	0952:14	0439:08	2252:00
ALT	267.93	263.97	241.01	212.81	192.97	176.90	170.49	190.73	233.10	265.14	263.05
LAT	-81.29	-55.60	-15.71	24.43	64.61	72.39	32.13	-8.59	-48.86	-83.63	-50.01
CON	358.63	231.97	221.98	214.79	201.63	53.21	34.19	26.72	17.87	297.09	207.81
RLAT	-73.44	-48.31	-11.10	26.94	62.76	64.33	28.61	-9.87	-47.31	-72.31	-47.10
SLAT	7.41	2.40	1.09	1.27	4.81	6.83	1.23	1.15	2.64	7.19	2.41
SZA	109.86	145.57	157.32	125.66	87.64	49.54	20.43	40.23	77.22	114.96	149.80
MODE	A										

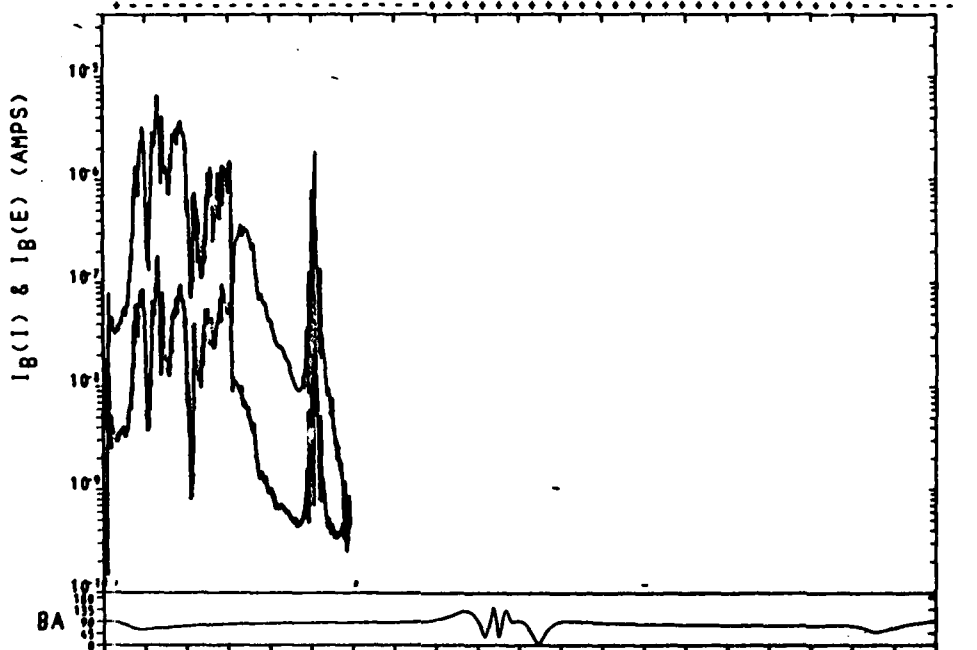


UT	1020:00	1030:00	1040:00	1050:00	1100:00	1110:00	1120:00	1130:00	1140:00	1150:00	1200:00
LT	0851:53	2411:43	2333:11	2315:28	2147:09	1302:08	1040:00	1013:00	1000:00	0929:00	2303:00
ALT	241.71	267.22	274.10	274.10	187.79	170.00	167.54	183.13	183.13	200.00	230.00
LAT	-71.71	-64.10	-24.62	-24.62	15.08	30.00	32.00	34.00	34.00	30.00	30.00
CON	339.03	197.24	179.00	172.00	14.00	32.00	32.00	34.00	34.00	30.00	30.00
RLAT	-64.86	-63.28	-28.07	-28.07	1.00	31.00	31.00	31.00	31.00	30.00	30.00
SLAT	4.23	6.11	1.34	1.34	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SZA	101.37	138.03	160.09	133.83	96.28	59.91	24.32	32.73	61.73	106.59	142.74
MODE	A										

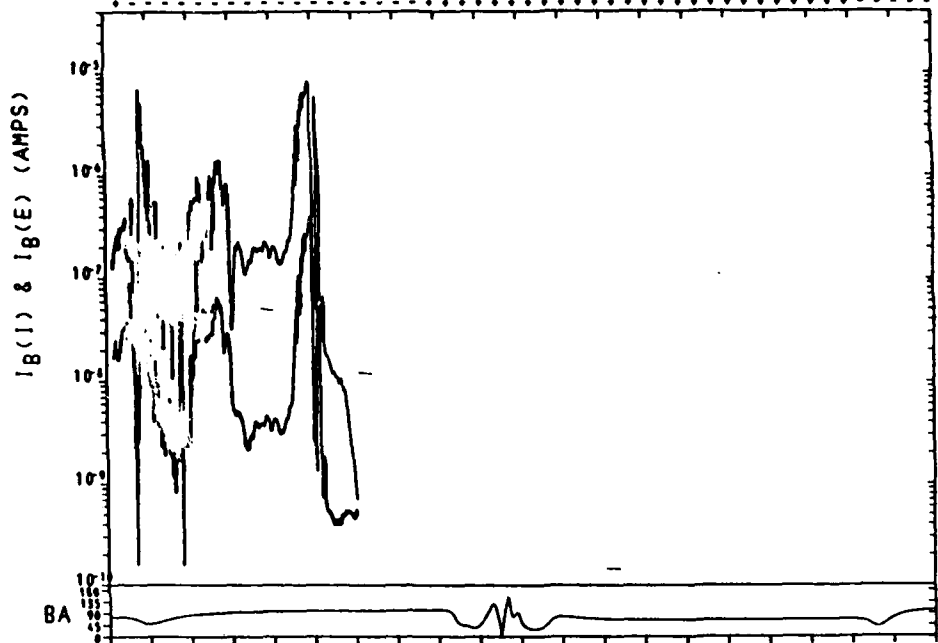




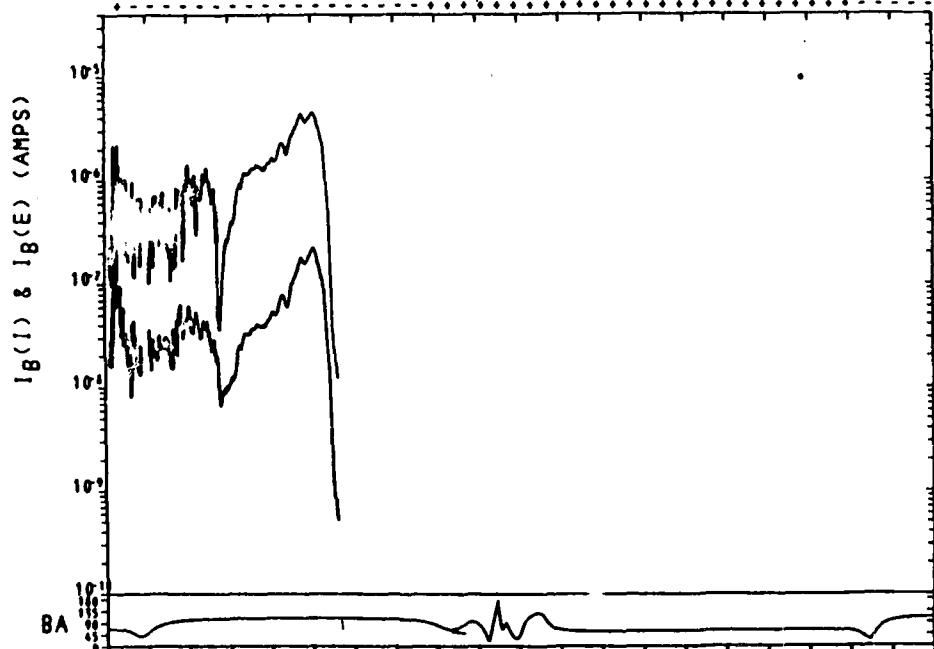
UT	1446:00	1456:00	1506:00	1516:00	1526:00	1536:00	1546:00	1556:00	1606:00	1616:00	1626:00
LT	0847:28	2312:14	2232:46	2214:03	2142:44	1232:39	1043:11	1021:18	0959:28	0756:36	2307:20
ALT	255.18	265.14	243.55	214.49	195.90	178.14	169.05	183.20	222.57	258.68	267.97
LAT	74.41	-63.44	-23.89	16.21	36.51	79.71	40.39	-0.37	-48.78	-79.34	-57.97
LOW	271.44	125.30	112.76	105.58	95.26	320.23	285.37	277.60	269.43	236.22	100.16
RLAT	-63.38	-74.08	-35.22	4.88	45.42	84.18	51.72	10.74	-30.01	-70.33	-69.06
L	4.12	27.68	1.49	1.00	2.52	63.71	2.81	1.10	1.38	7.41	10.36
SZA	142.07	138.68	159.98	133.10	95.49	57.13	23.85	33.41	69.54	107.39	143.45
MODE	A										



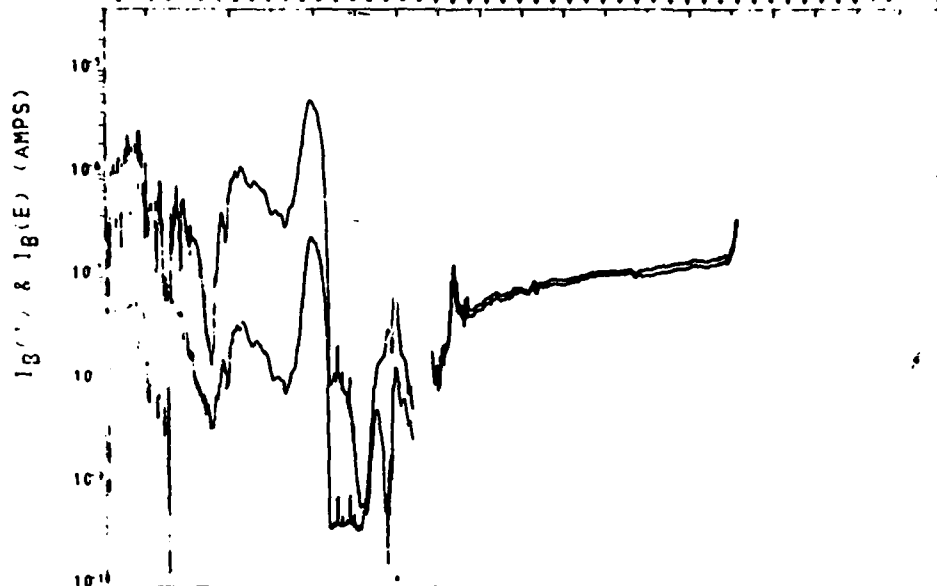
UT	1615:00	1625:00	1635:00	1645:00	1655:00	1705:00	1715:00	1725:00	1735:00	1745:00	1755:00
LT	0836:14	2309:24	2211:52	2211:33	2129:07	1711:02	1611:02	1521:02	1431:02	1341:02	1251:02
ALT	255.04	264.04	241.04	214.04	195.04	178.04	169.04	183.04	222.04	258.04	267.04
LAT	74.41	-63.44	-23.89	16.21	36.51	79.71	40.39	-0.37	-48.78	-79.34	-57.97
LOW	246.38	102.17	98.26	41.13	72.55	242.04	242.79	251.04	242.04	236.22	100.16
RLAT	-66.33	-73.04	-32.90	1.00	48.02	249.04	42.40	7.24	-31.04	-74.04	-69.06
L	5.40	16.03	1.43	1.00	2.52	63.71	2.81	1.10	1.38	7.41	10.36
SZA	103.63	140.09	159.66	131.60	95.08	55.56	22.95	34.79	71.14	108.98	144.83
MODE	A										



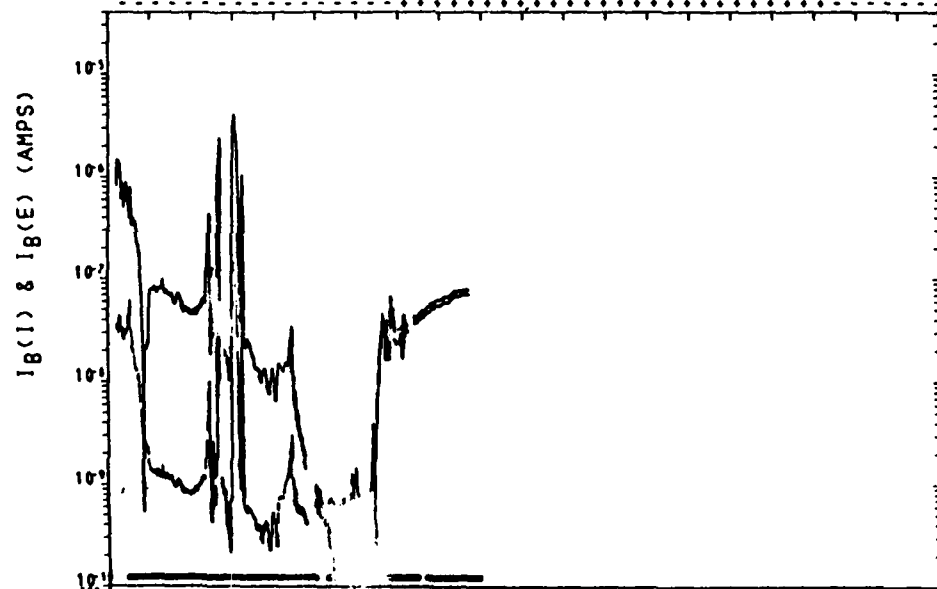
UT	1743:00	1753:00	1803:00	1813:00	1823:00	1833:00	1843:00	1853:00	1903:00	1913:00	1923:00
LT	0851:21	2314:19	2233:04	2214:19	2143:36	1301:29	1043:38	1021:33	0959:52	0803:43	2303:33
ALT	253.70	264.00	242.54	213.51	193.09	177.64	168.61	182.33	221.22	237.30	261.76
LAT	-73.81	-64.06	-24.51	15.60	53.91	80.18	40.99	0.23	-40.20	-78.87	-38.47
LONG	222.16	81.41	68.59	61.41	51.23	278.20	241.23	233.23	225.29	193.76	-66.13
MLAT	-66.26	-73.28	-32.85	7.85	48.91	87.44	47.93	6.23	-34.54	-74.95	-66.10
SLAT	3.93	11.92	1.33	1.00	2.60	527.61	2.23	1.03	1.58	14.66	5.07
SZA	101.45	138.11	160.05	133.66	96.08	57.70	24.20	32.94	68.99	106.84	142.07
MODE	A										



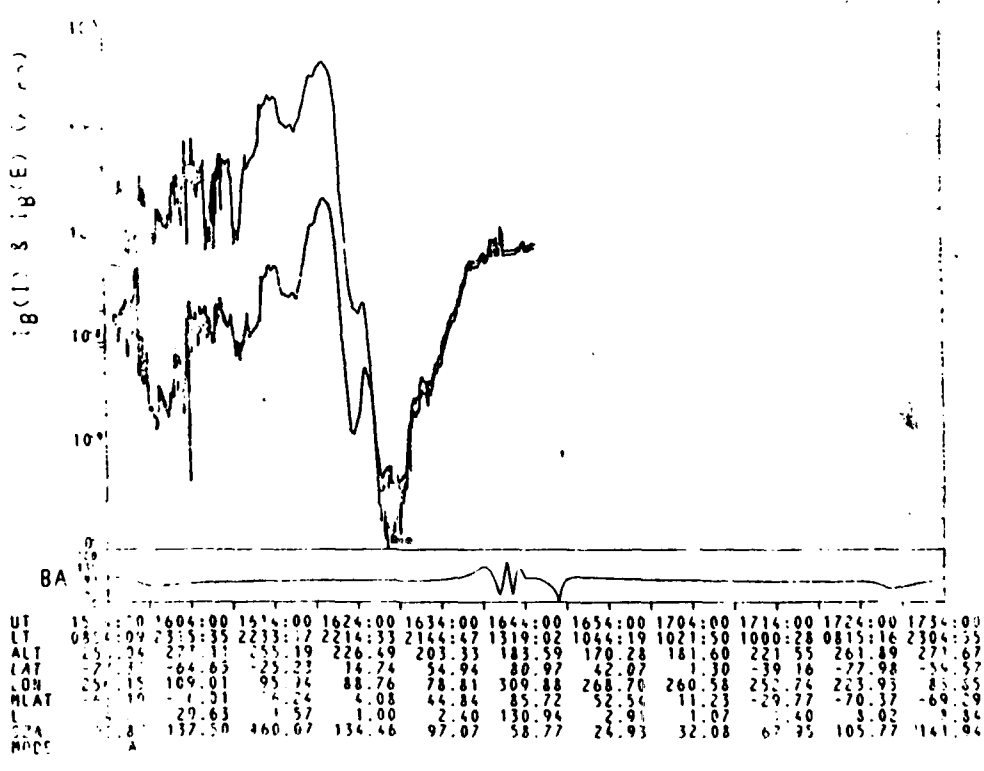
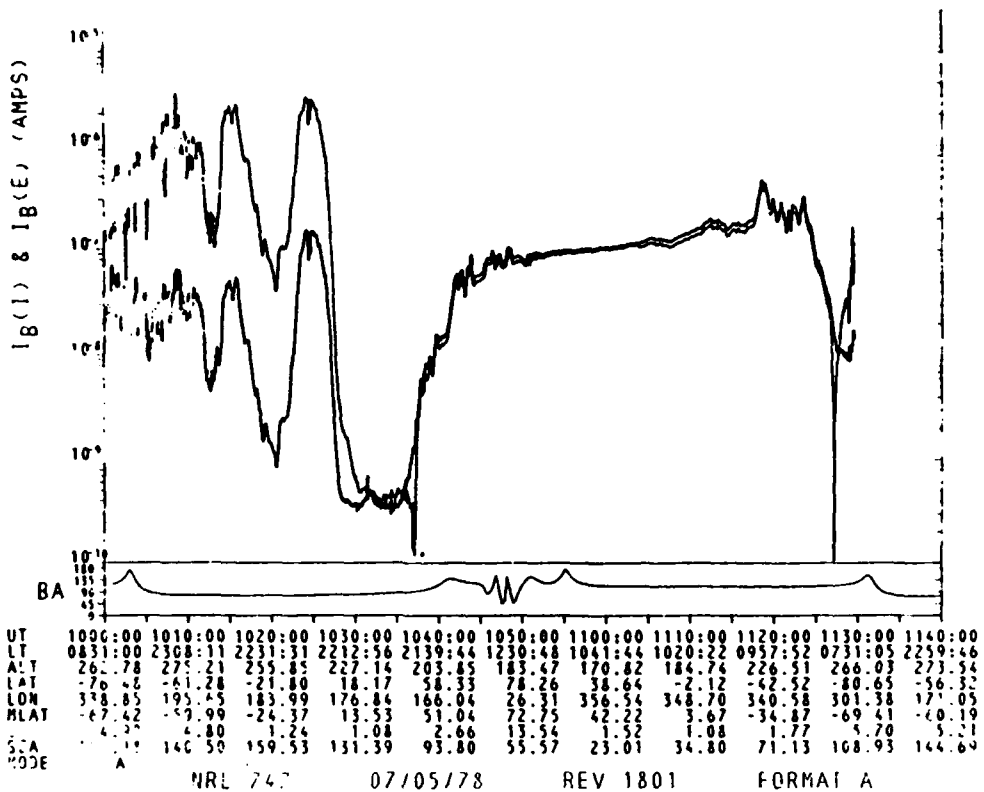
UT	1912:00	1922:00	1932:00	1942:00	1952:00	2002:00	2012:00	2022:00	2032:00	2042:00	2052:00	2062:00
LT	0840:22	2310:31	2232:08	2213:27	2140:36	1237:20	1042:15	1020:44	0958:47	0739:27	2300:28	2300:28
ALT	256.47	262.84	240.47	211.69	191.81	176.68	163.34	183.33	222.77	257.63	260.37	260.37
LAT	-73.39	-62.37	-22.77	17.36	37.67	78.74	39.19	-1.37	-41.97	-80.28	-36.72	-36.72
LONG	203.17	58.21	46.11	38.94	28.31	249.91	210.64	210.79	202.69	165.44	-37.20	-37.20
MLAT	-70.98	-67.81	-27.46	13.27	34.30	82.41	42.06	0.69	-40.33	-80.03	-37.69	-37.69
SLAT	0.98	6.38	1.57	1.02	2.95	96.02	1.78	1.01	1.88	31.89	3.69	3.69
SZA	103.08	139.60	159.77	132.09	94.39	56.05	23.23	34.37	70.66	108.50	144.43	144.43
MODE	A											

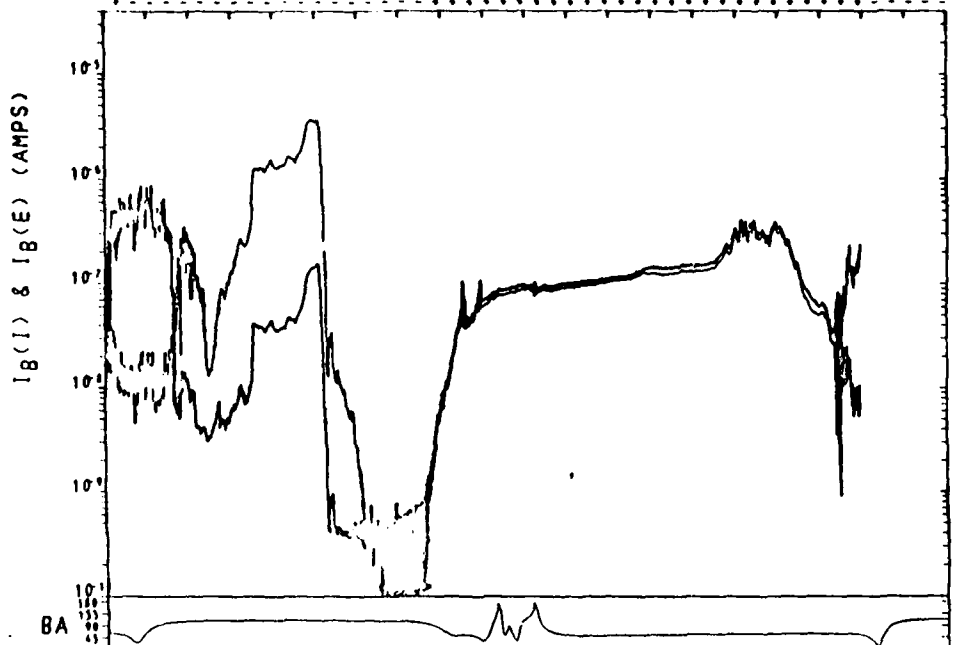


UT	2141:00	2051:00	2101:00	2111:00	2121:00	2131:00	2141:00	2151:00	2201:00	2211:00	2221:00
LT	206:27	307:03	2231:12	2212:33	2137:54	1218:21	1040:54	1019:54	0956:55	0706:40	2257:54
ALT	2	26	58	238	74	209	57	190	52	175	71
LAT	97	-60	64	20	98	19	17	59	48	77	16
LONG	177	44	35	00	23	63	16	47	5	31	222
RLAT	76	35	-6	72	-21	30	19	35	60	33	76
L	21	57	-33	1	44	1	04	3	55	24	23
SZA	104	74	41	11	159	34	70	46	92	66	54
MODE	A										

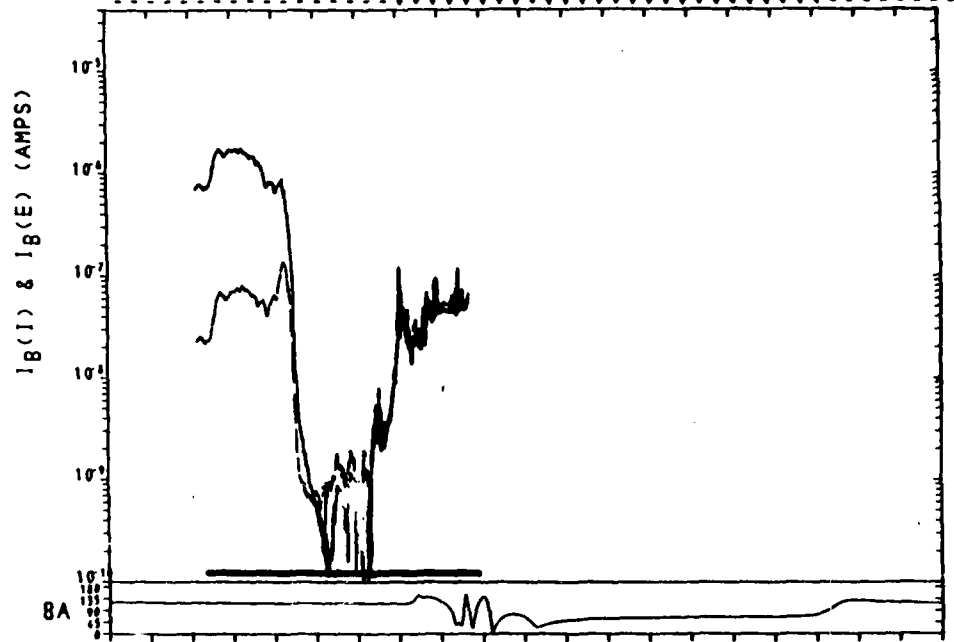


UT	0112:00	0122:00	0132:00	0142:00	0152:00	0202:00	0212:00	0222:00	0232:00	0242:00	0252:00
LT	0118:53	2245:25	2222:57	2202:27	2034:48	1107:07	1030:40	1011:40	0955:44	0916:20	2241:35
ALT	274	97	272	20	245	96	218	89	196	41	174
LAT	-80	96	-43	27	-3	55	36	53	78	06	60
LONG	2	81	321	95	313	83	308	20	281	79	137
RLAT	-73	62	-33	44	6	80	47	33	86	94	50
L	7	53	1	57	1	11	2	17	219	32	50
SZA	121	31	154	41	149	61	114	47	76	24	38
MODE	B										





UT	2021:00	2031:00	2041:00	2051:00	2101:00	2111:00	2121:00	2131:00	2141:00	2151:00	2201:00
LT	0828:35	2307:29	2231:14	2212:39	2138:52	1225:17	1041:16	1020:02	0957:21	0721:00	2258:49
ALT	259.50	270.36	250.06	221.65	199.55	180.62	169.22	183.69	224.98	262.68	268.35
LAT	-76.74	-60.96	-21.42	18.61	58.81	77.81	38.11	-2.66	-43.06	-81.06	-55.73
LOW	183.02	40.24	28.69	21.54	10.59	229.70	201.19	193.39	185.21	143.63	15.58
MLAT	-75.23	-63.03	-22.81	17.80	58.68	76.32	37.59	-3.79	-44.80	-83.61	-53.40
L	17.89	4.65	1.45	1.04	3.33	32.69	1.58	1.01	2.21	54.00	1.11
SZA	104.41	140.73	159.42	131.02	93.38	55.13	22.79	35.22	71.62	109.42	145.14
MODE	A										



UT	0220:00	0230:00	0240:00	0250:00	0300:00	0310:00	0320:00	0330:00	0340:00	0350:00	0400:00
LT	0126:15	2245:30	2222:51	2202:19	2034:24	1106:47	1030:27	1011:32	0935:21	0014:40	2241:12
ALT	266.14	260.95	233.83	208.28	188.98	172.37	170.78	198.09	242.67	267.25	257.11
LAT	-81.25	-63.57	-3.73	36.47	76.09	60.63	19.96	-20.72	-60.75	-76.82	-38.10
LOW	347.70	305.01	296.35	289.22	264.75	120.33	108.75	101.52	89.98	307.30	281.44
MLAT	-72.41	-32.57	7.53	47.83	64.10	49.42	8.60	-31.96	-71.92	-65.77	-26.83
L	6.86	1.45	1.14	2.39	136.38	2.95	1.00	1.37	11.13	4.45	1.31
SZA	120.84	154.11	149.77	114.60	76.30	39.01	21.01	50.86	88.47	125.88	157.10
MODE	B										

AD-A117 269

NAVAL RESEARCH LAB WASHINGTON DC
AN ATLAS OF IONOSPHERIC F-REGION STRUCTURES AS DETERMINED BY TH-ETC(U)
JUL 82 E P SZUSZCZEWICZ, J C HOLMES
NRL-NR-4062

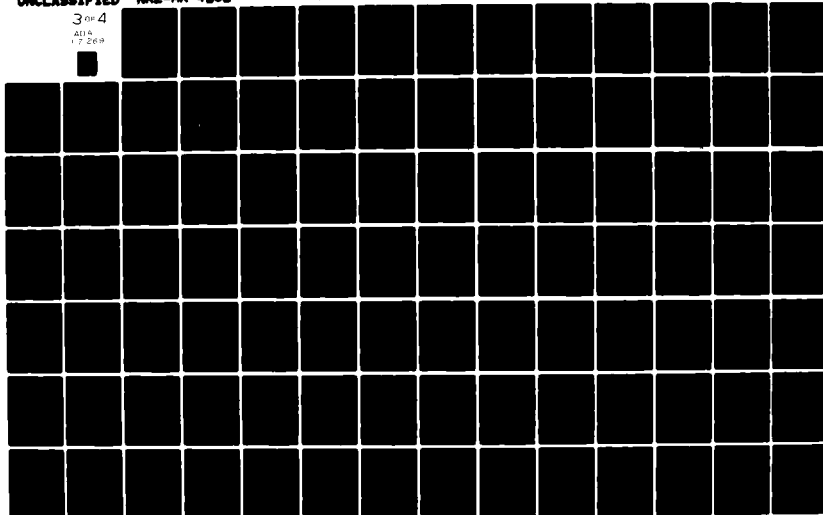
F/8 4/1

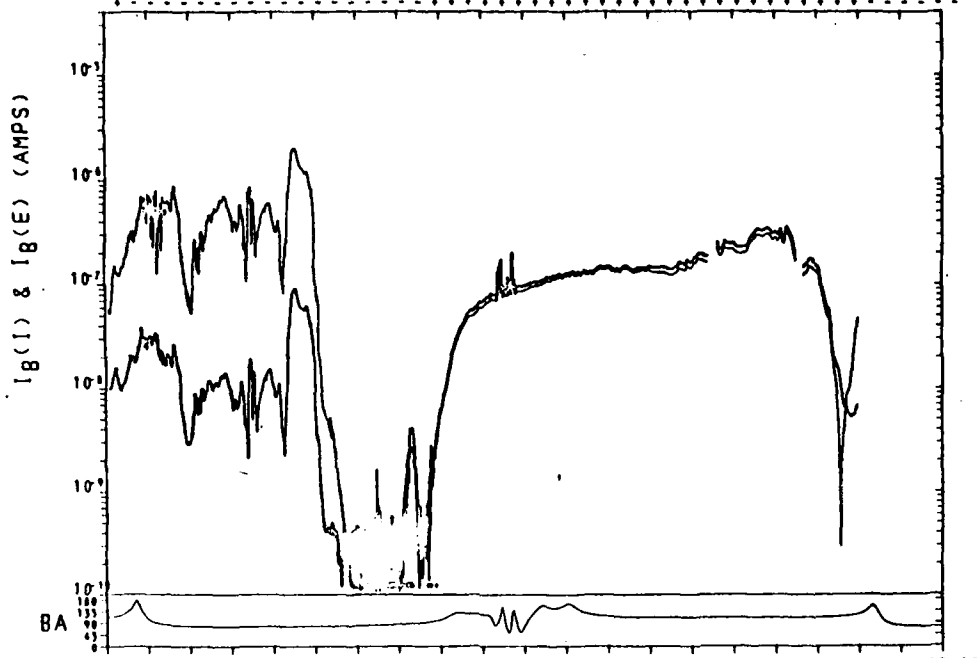
UNCLASSIFIED

NL

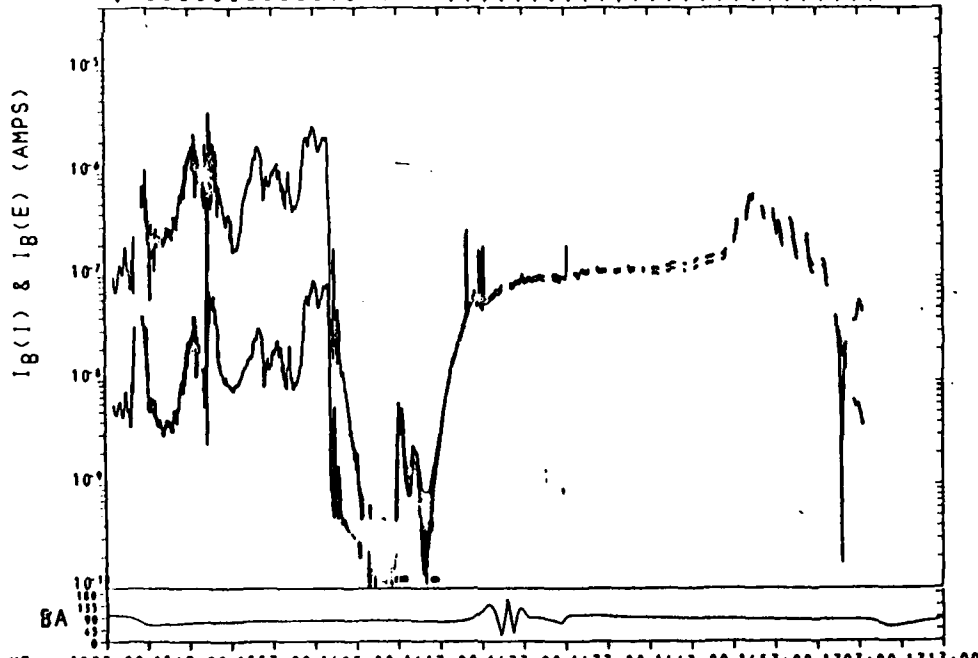
3 of 4

019
17 269

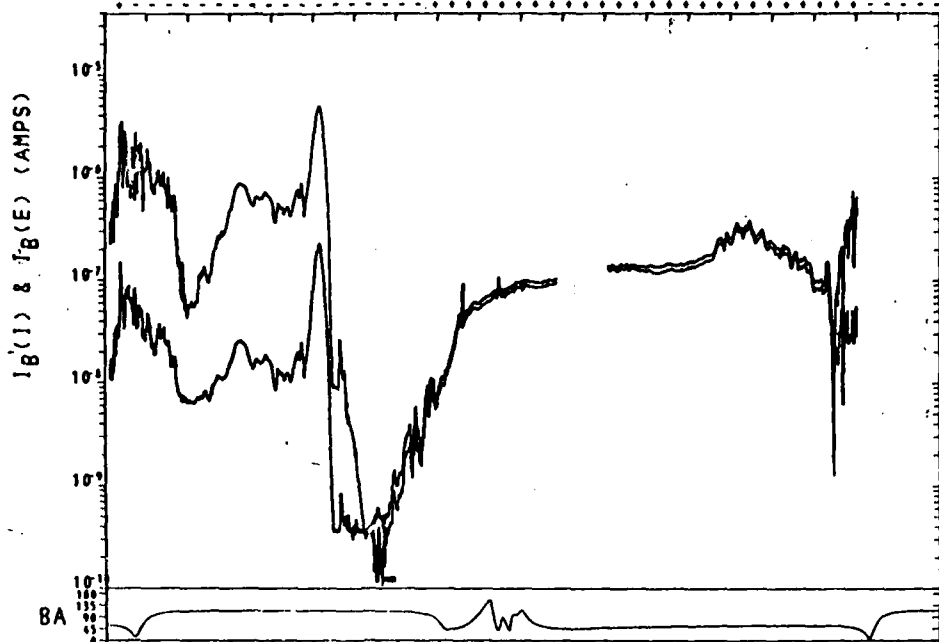




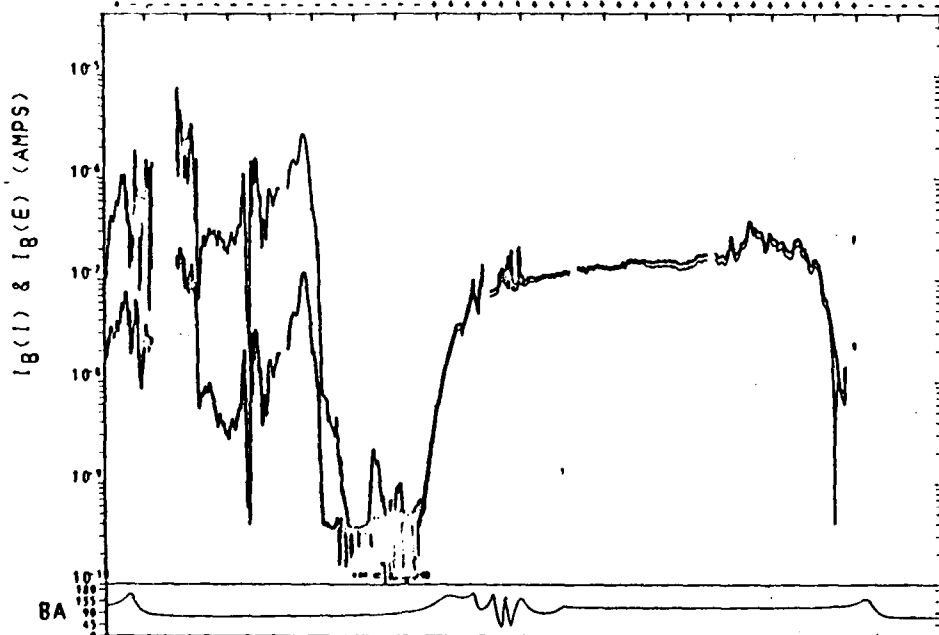
UT	0939:00	0949:00	0959:00	1009:00	1019:00	1029:00	1039:00	1049:00	1059:00	1109:00	1119:00
LT	0841:24	2310:46	2232:01	2213:22	2141:24	1243:55	1042:23	1020:41	0958:36	0747:59	2301:09
ALT	258.70	269.94	249.39	220.41	198.51	180.62	169.88	183.87	224.42	262.15	268.06
LAT	-75.21	-62.62	-23.10	16.93	57.17	79.20	39.77	-1.00	-41.40	-79.82	-57.36
LOX	346.75	201.59	189.40	182.24	171.75	34.88	2.00	354.07	346.05	310.90	176.69
HLAT	-67.05	-60.12	-24.59	13.30	50.74	72.40	42.25	3.85	-34.56	-68.84	-60.06
L	4.83	4.73	1.25	1.08	2.57	14.06	1.55	1.07	1.81	5.41	5.10
SZA	102.76	139.23	159.76	132.55	94.99	56.71	23.69	33.86	70.01	107.81	143.73
MODE	A										



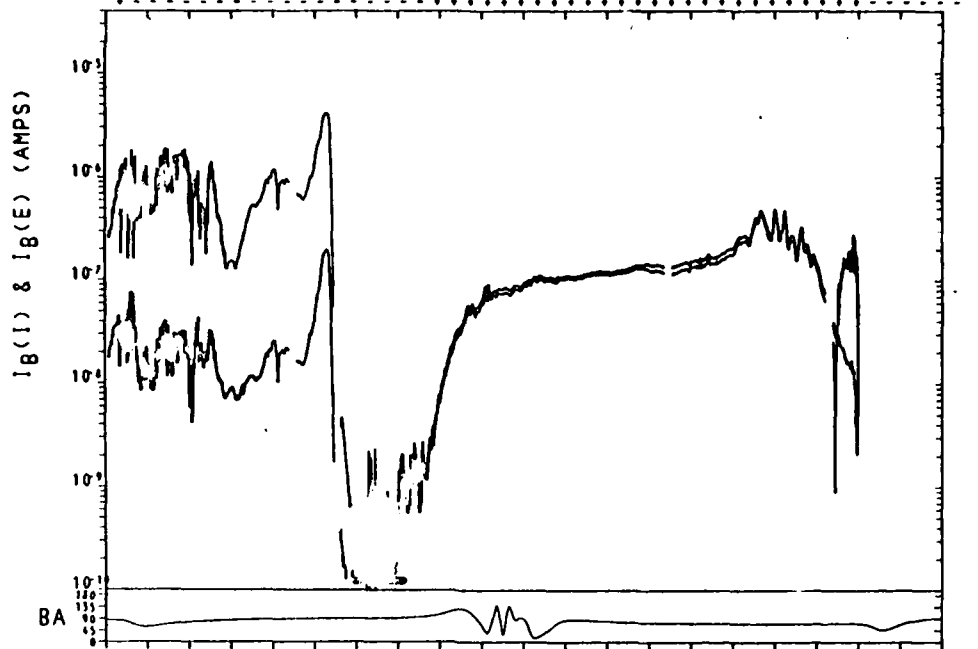
UT	1533:00	1543:00	1553:00	1603:00	1613:00	1623:00	1633:00	1643:00	1653:00	1703:00	1713:00
LT	0855:00	2315:46	2233:09	2214:23	2144:32	1316:59	1044:02	1021:37	1000:13	0813:57	2304:29
ALT	255.14	268.04	248.26	219.24	197.48	180.16	169.26	181.67	220.93	259.13	266.27
LAT	-73.13	-64.80	-25.32	14.73	55.00	80.90	41.96	-1.19	-39.26	-78.08	-59.63
LOX	261.66	114.35	101.20	94.00	84.04	314.66	273.92	265.81	257.97	228.98	80.03
HLAT	-62.58	-76.08	-36.55	3.76	44.50	85.03	52.81	11.58	-29.36	-69.92	-69.73
L	4.06	34.32	1.57	1.00	2.39	99.15	2.97	1.08	1.38	7.52	9.73
SZA	100.60	137.27	160.02	134.52	97.10	58.77	24.96	32.14	67.97	105.79	141.96
MODE	A										



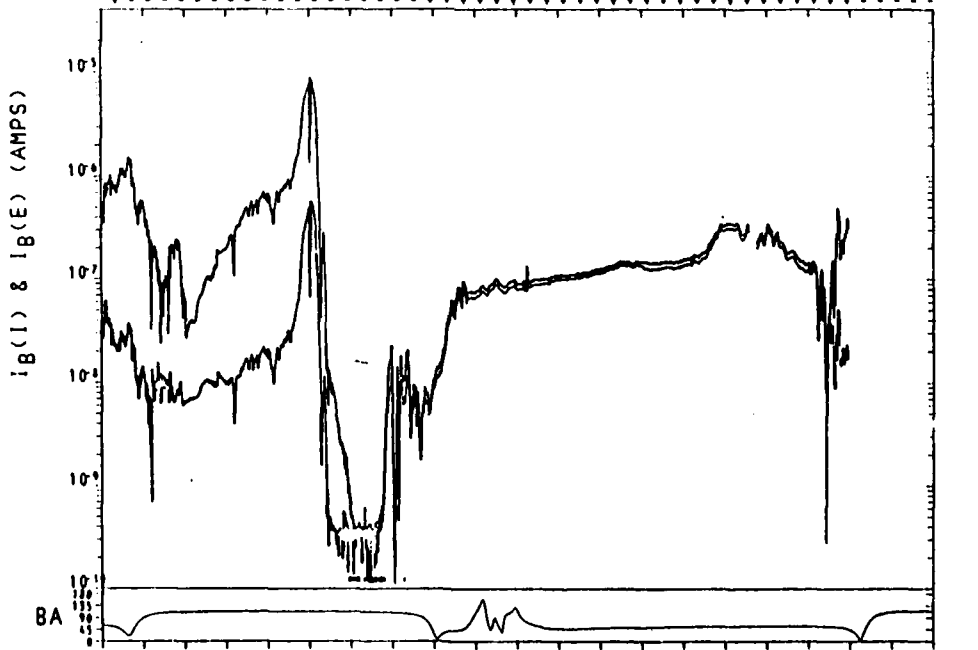
UT	2128:00	2138:00	2148:00	2158:00	2208:00	2218:00	2228:00	2238:00	2248:00	2258:00	2308:00
LT	0841:10	2310:32	2231:52	2213:11	2140:58	1240:34	1042:05	1020:28	0958:17	0743:17	2300:51
ALT	255.06	264.94	243.63	214.94	194.23	177.80	168.23	182.57	222.33	258.52	262.78
LAT	-75.23	-62.54	-22.98	17.11	57.59	75.99	39.49	-1.28	-41.69	-80.06	-57.01
LOW	169.46	24.30	12.14	4.97	354.41	216.81	184.69	176.79	168.74	132.49	359.30
MLAT	-76.67	-61.39	-21.10	19.59	60.54	76.81	35.80	-5.60	-46.64	-85.53	-51.77
L	26.98	4.16	1.49	1.04	3.39	26.12	1.52	1.01	2.39	86.23	2.81
SZA	102.74	139.23	159.71	132.42	94.82	56.52	23.60	34.07	70.23	108.06	143.97
MODE	A										



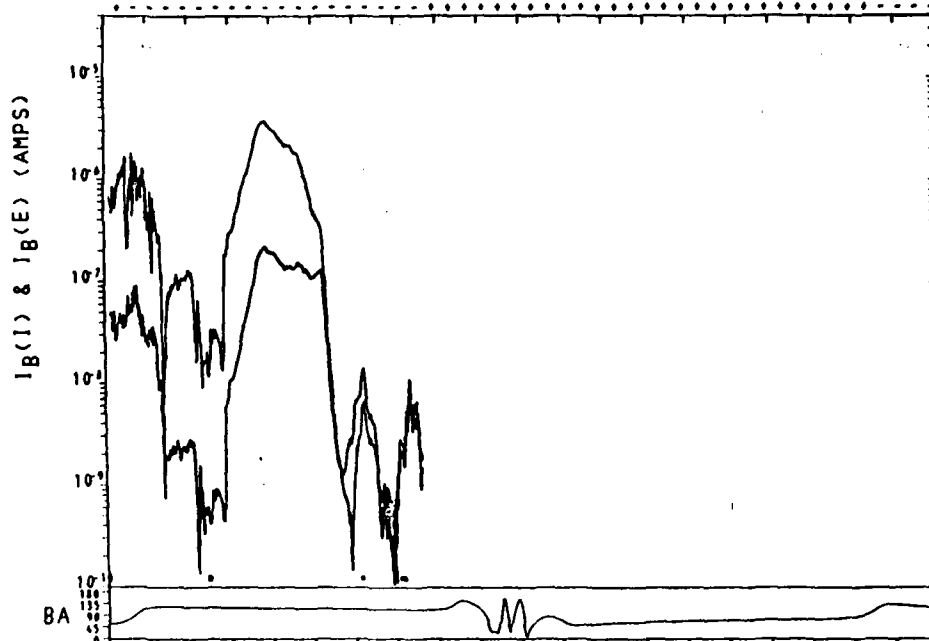
UT	1046:00	1056:00	1106:00	1116:00	1126:00	1136:00	1146:00	1156:00	1206:00	1216:00	1226:00
LT	0833:46	2308:25	2231:14	2212:35	2139:10	1228:03	1041:11	1019:54	0957:21	0726:39	2258:55
ALT	256.40	263.95	241.11	212.20	192.25	177.07	169.07	184.84	224.83	259.41	261.54
LAT	-76.14	-61.38	-21.97	18.16	58.46	75.07	38.40	-2.35	-42.73	-80.83	-56.00
LOW	328.13	184.29	172.50	165.34	154.48	14.20	344.99	337.17	329.03	288.85	159.42
MLAT	-66.21	-62.45	-26.70	11.59	49.72	74.34	44.12	5.28	-33.64	-69.47	-62.07
L	4.33	5.94	1.29	1.05	2.61	14.88	1.59	1.08	1.62	5.85	6.15
SZA	103.63	140.02	159.48	131.52	93.85	55.57	23.09	34.91	71.18	108.97	144.74
MODE	A										



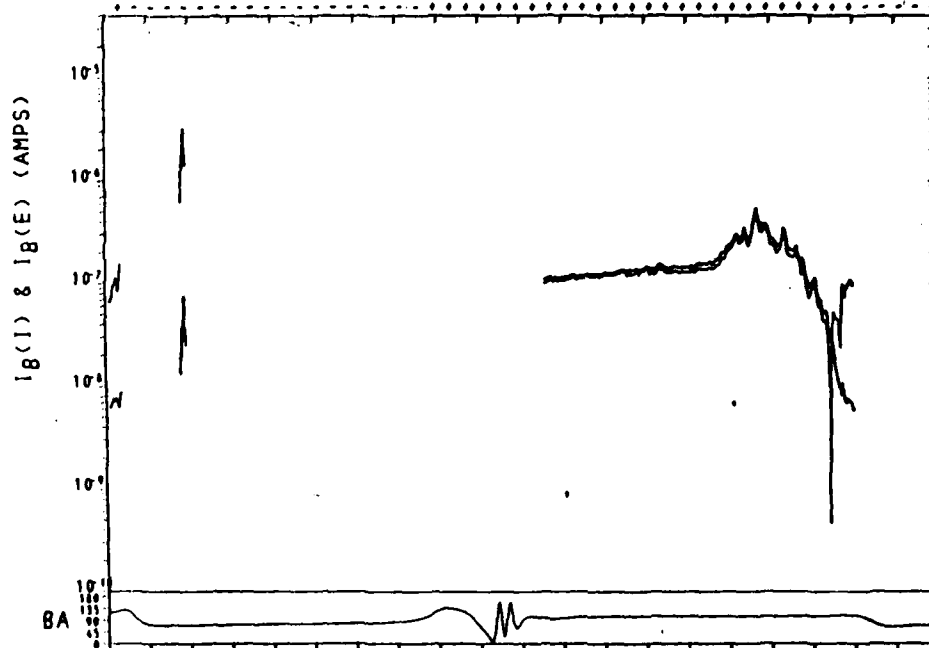
UT	1640:00	1650:00	1700:00	1710:00	1720:00	1730:00	1740:00	1750:00	1800:00	1810:00	1820:00
LT	0841:16	2310:22	2231:42	2213:01	2140:40	1238:24	1041:49	1020:16	0938:04	0741:14	2300:57
ALT	253.85	261.83	239.13	210.28	190.73	176.18	168.31	183.43	222.63	257.08	259.36
LAT	-75.22	-62.56	-22.95	17.20	57.53	78.86	39.33	-1.43	-41.83	-80.17	-56.85
LON	241.52	96.29	84.13	76.96	66.37	288.30	256.66	248.77	240.72	204.01	71.23
MLAT	-66.10	-73.44	-33.11	7.53	48.57	89.70	48.55	7.19	-33.84	-74.43	-64.90
L	5.45	15.69	1.47	1.00	2.73	612.73	2.36	1.04	1.54	12.46	5.82
SZA	102.64	139.14	159.66	132.39	94.77	56.46	23.60	34.15	70.30	108.11	144.01
MODE	A										



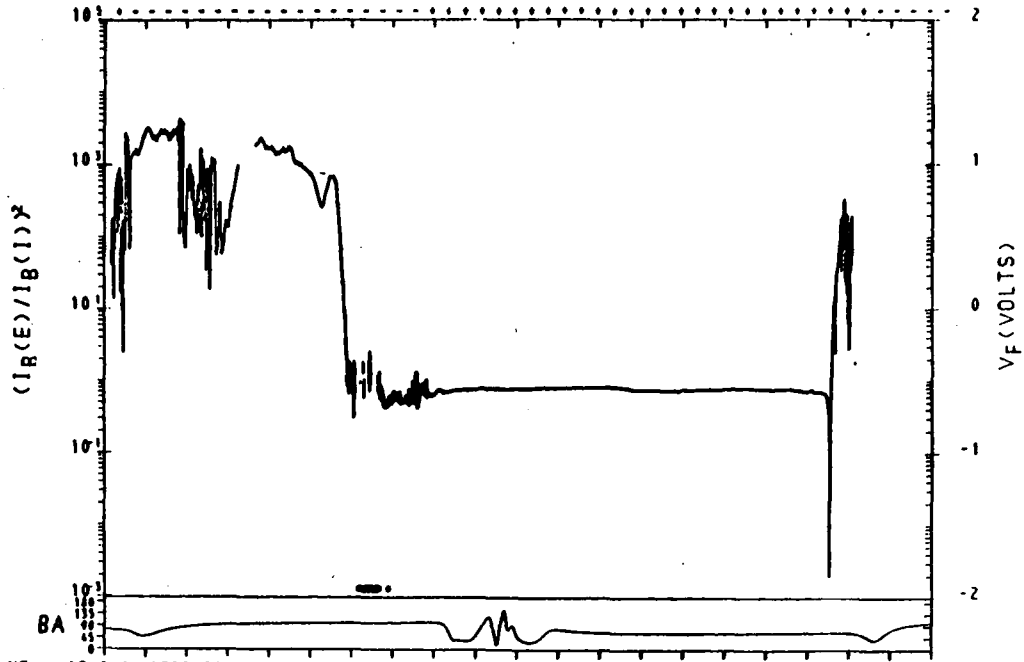
UT	2106:00	2116:00	2126:00	2136:00	2146:00	2156:00	2206:00	2216:00	2226:00	2236:00	2246:00
LT	0829:07	2307:09	2230:50	2212:10	2137:51	1220:09	1040:32	1019:28	0956:36	0711:01	2257:38
ALT	253.35	259.31	235.67	207.24	188.50	174.58	167.64	183.94	223.32	236.21	236.53
LAT	-76.65	-60.98	-21.31	18.88	59.21	77.39	-37.60	-3.16	-43.54	-81.41	-55.14
LON	171.99	29.00	17.42	10.25	359.17	217.25	189.85	182.08	173.86	129.97	4.12
MLAT	-77.12	-60.85	-20.49	20.29	61.29	75.92	34.91	-6.46	-47.46	-85.32	-50.79
L	25.92	4.12	1.45	1.04	3.63	21.44	1.48	1.01	2.47	59.87	2.79
SZA	104.12	140.49	159.30	130.91	93.17	54.89	22.75	35.54	71.90	109.70	145.40
MODE	A										



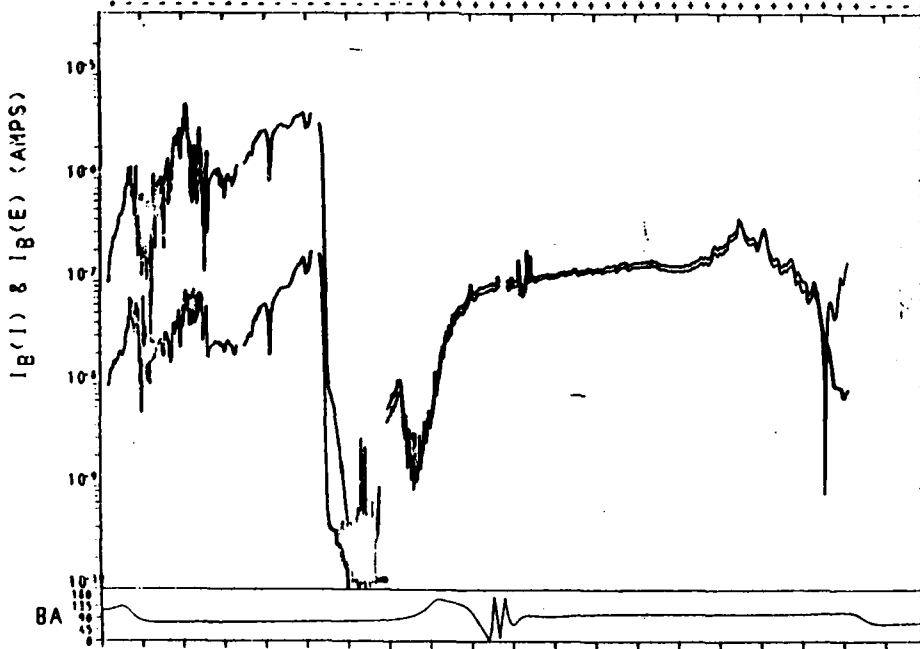
UT	0301:00	0311:00	0321:00	0331:00	0341:00	0351:00	0401:00	0411:00	0421:00	0431:00	0441:00
LT	0845:24	2311:59	2232:10	2213:35	2142:57	1302:31	1043:07	1020:59	0959:21	0805:03	2303:05
ALT	264.26	282.27	266.44	237.97	212.39	188.59	172.02	182.75	224.70	268.37	281.46
LAT	-74.63	-63.33	-23.98	15.87	55.95	80.27	41.15	0.36	-40.09	-78.74	-58.77
LOW	87.32	301.46	289.01	281.86	271.71	139.10	101.75	93.72	85.81	54.73	276.74
MLAT	-83.58	-52.15	-12.62	27.13	69.55	69.62	29.87	-10.57	-50.30	-79.67	-47.62
L	33.69	2.37	1.14	1.37	7.10	12.65	1.44	1.00	2.74	13.69	2.07
SZA	101.99	138.41	159.80	133.60	96.32	58.14	24.65	32.73	68.63	106.38	142.35
MODE	A										



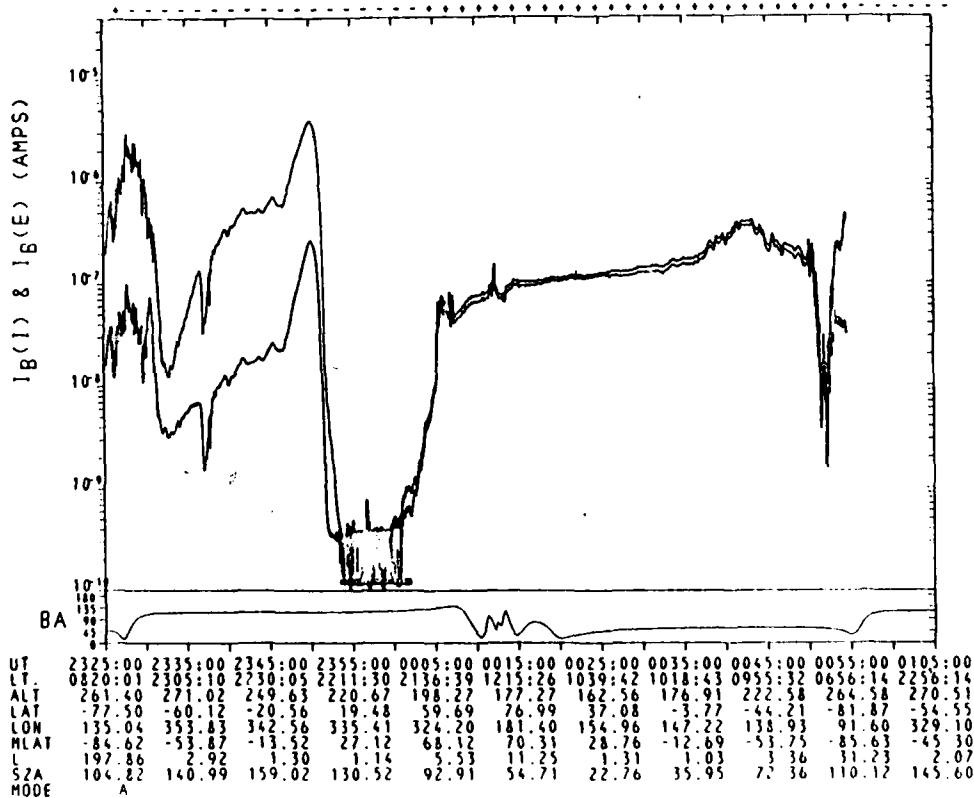
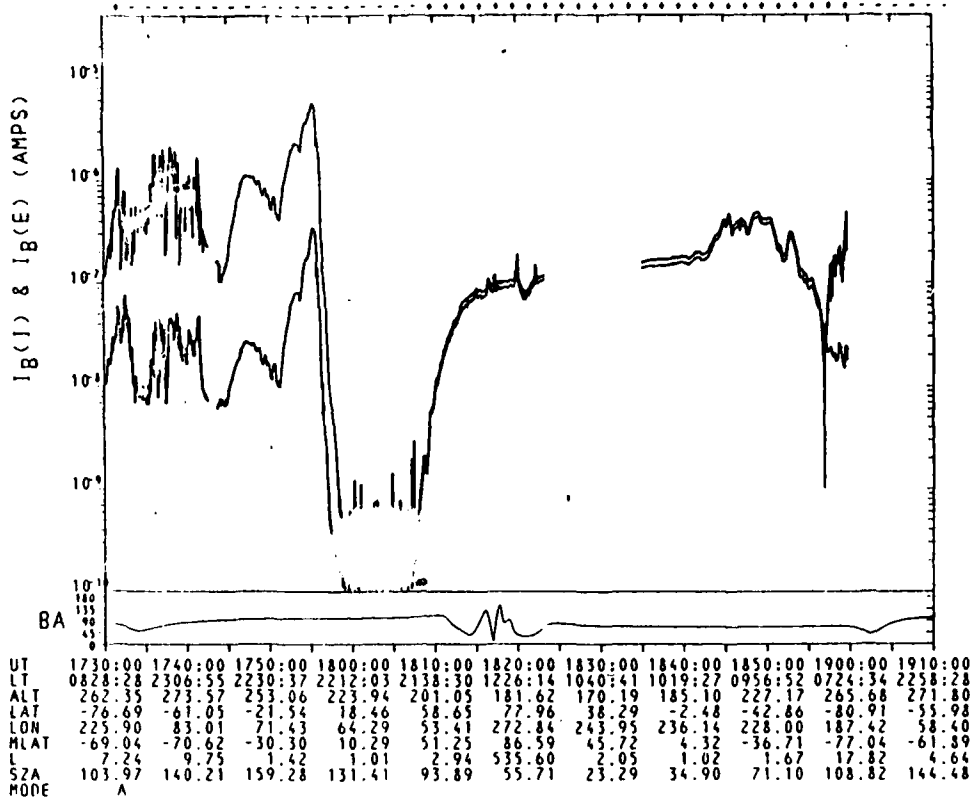
UT	1323:00	1333:00	1343:00	1353:00	1403:00	1413:00	1423:00	1433:00	1443:00	1453:00	1503:00
LT	0839:21	2309:49	2231:36	2213:02	2141:22	1247:17	1042:14	1020:26	0958:23	0753:00	2301:20
ALT	264.01	279.82	262.51	233.84	209.06	186.53	171.53	183.66	225.79	265.87	278.74
LAT	-75.44	-62.44	-23.04	16.83	56.96	79.44	40.09	-0.69	-41.12	-79.58	-57.74
LOW	290.32	145.48	133.19	126.24	115.83	339.81	306.04	298.10	290.11	259.99	120.82
MLAT	-64.08	-70.53	-33.32	5.96	45.66	80.68	50.87	10.53	-29.76	-69.14	-68.77
L	4.11	15.92	1.44	1.00	2.50	32.09	2.45	1.15	1.36	6.26	11.88
SZA	102.79	139.14	159.63	132.76	95.39	57.21	24.10	33.54	69.56	107.31	143.17
MODE	A										

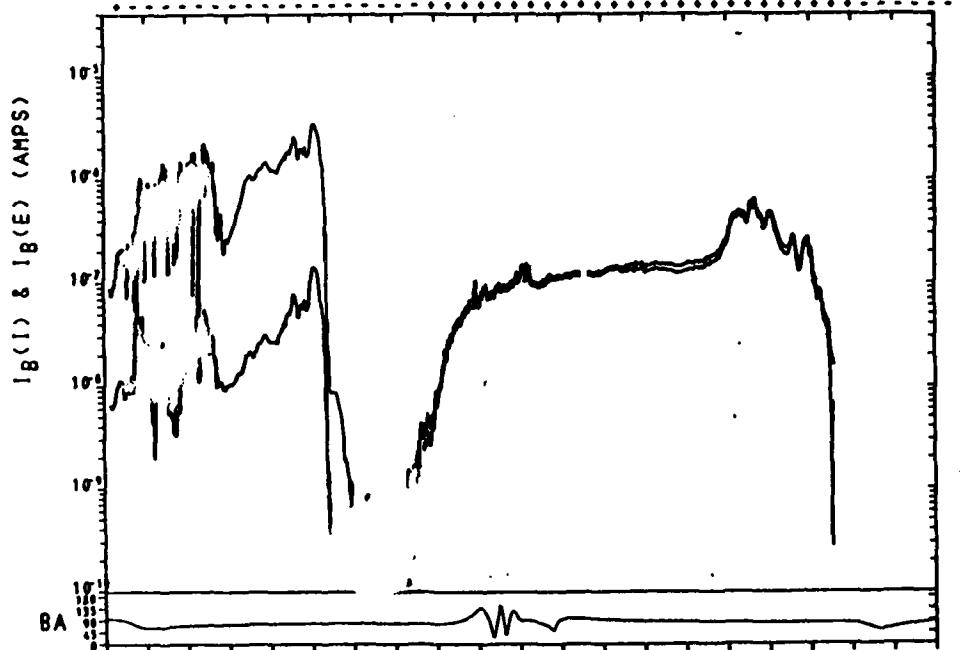


UT	1749:00	1759:00	1809:00	1819:00	1829:00	1839:00	1849:00	1859:00	1909:00	1919:00	1929:00
LT	0848:36	2312:59	2232:18	2213:40	2143:21	1307:36	1043:16	1021:01	0959:29	0808:26	2303:26
ALT	261.76	278.49	261.57	232.89	208.29	116.22	171.21	182.38	223.61	265.87	277.38
LAT	-74.14	-63.82	-24.44	15.47	55.60	80.52	41.46	0.68	-39.77	-78.48	-59.04
LON	226.14	79.74	67.07	59.91	49.83	278.39	239.81	231.75	223.87	193.60	54.85
MLAT	-66.76	-72.82	-32.56	7.93	48.81	87.28	48.15	6.72	-34.36	-74.71	-64.10
L	6.22	11.21	1.53	1.00	2.57	2.24	1.03	1.58	14.51	5.14
SZA	101.42	137.91	159.81	134.00	96.71	58.50	24.90	32.46	68.28	106.03	142.05
MODE	A										

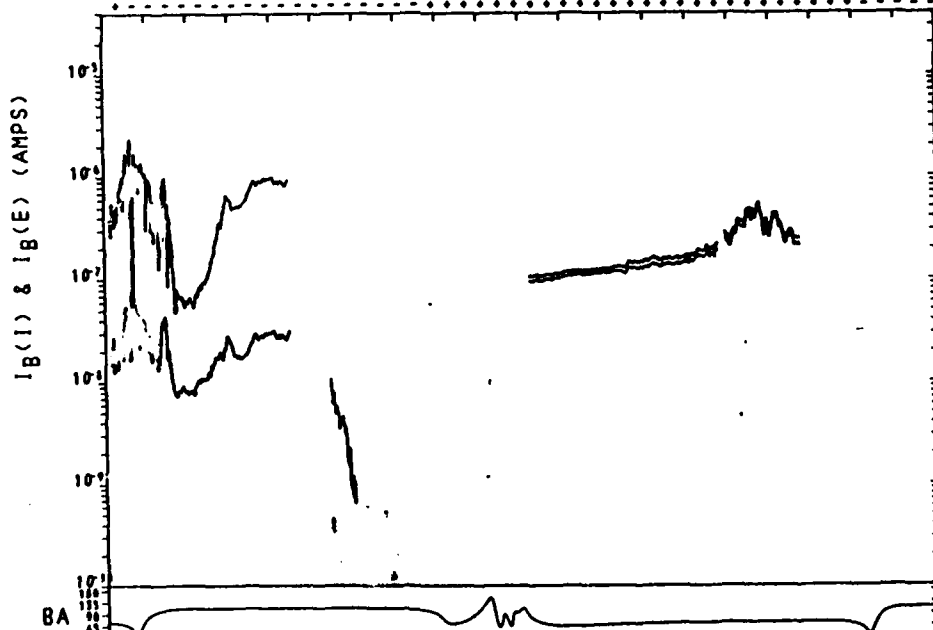


UT	1303:00	1313:00	1323:00	1333:00	1343:00	1353:00	1403:00	1413:00	1423:00	1433:00	1443:00
LT	0851:29	2314:05	2232:26	2213:44	2143:43	1313:20	1043:24	1021:02	0959:36	0812:10	2303:52
ALT	260.46	275.68	257.34	228.07	204.24	184.01	170.88	182.89	223.69	264.60	274.39
LAT	-73.65	-64.32	-24.91	15.04	55.22	80.77	41.79	1.02	-39.41	-78.18	-59.57
LON	298.40	151.54	138.63	131.46	121.45	351.36	311.37	303.28	295.43	266.07	126.49
MLAT	-62.37	-71.23	-34.67	4.48	44.06	79.28	52.14	12.04	-28.11	-67.31	-69.97
L	3.70	17.22	1.51	1.00	2.30	29.54	2.47	1.16	1.33	5.34	14.32
SZA	100.84	137.36	159.81	134.43	97.15	58.91	25.19	32.16	67.87	105.61	141.67
MODE	A										

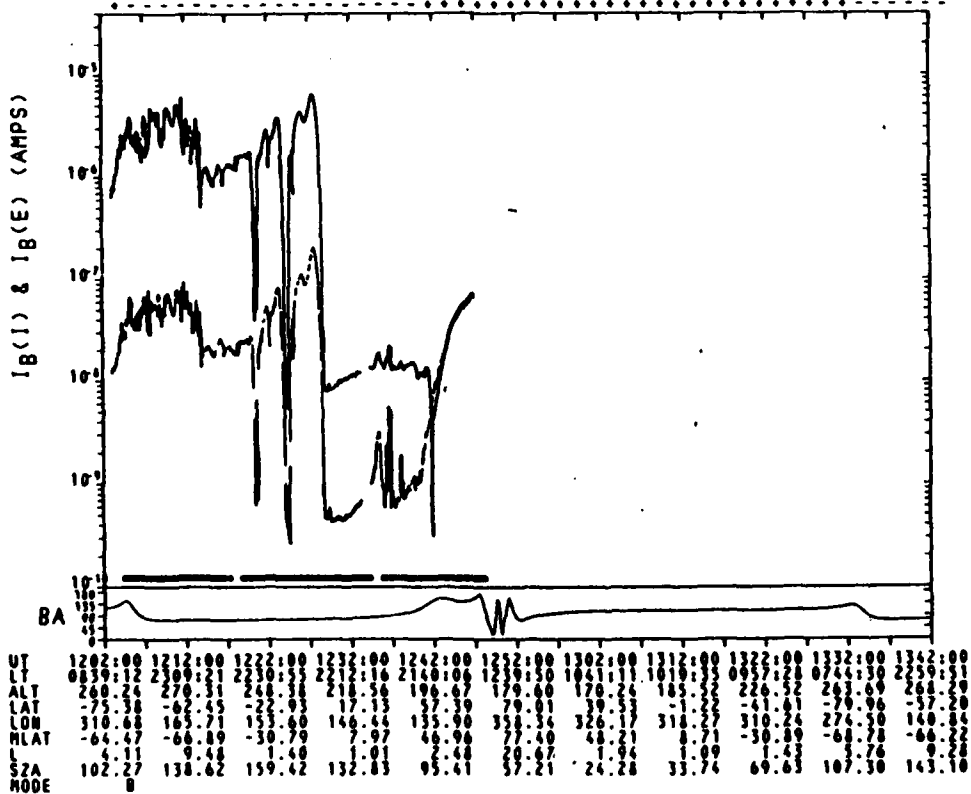
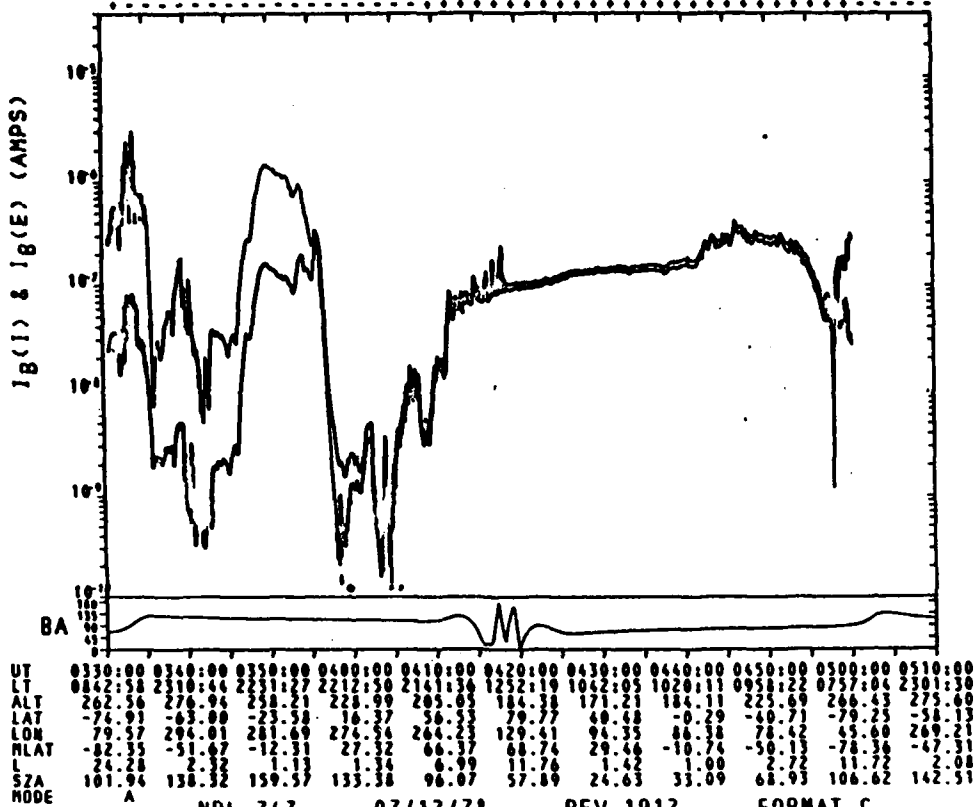


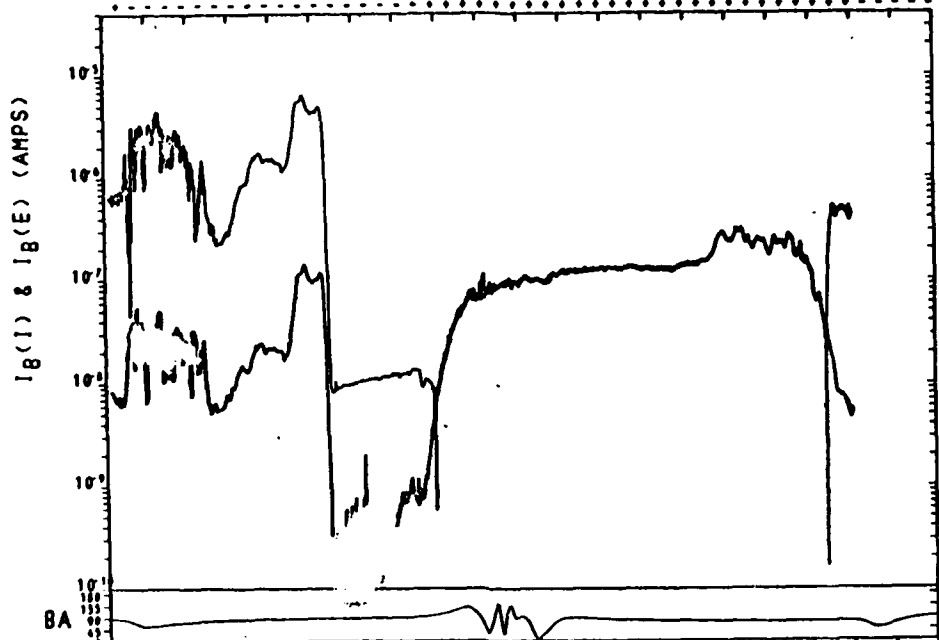


UT	1540:00	1550:00	1600:00	1610:00	1620:00	1630:00	1640:00	1650:00	1700:00	1710:00	1720:00
LT	0845:01	2311:22	2231:37	2212:37	2141:38	1251:00	1042:03	1020:13	0958:28	0751:32	2101:18
ALT	258.34	269.61	248.36	219.86	197.09	179.71	169.60	153.83	224.81	242.93	287.70
LAT	-74.63	-63.23	-23.74	16.31	36.37	79.69	60.36	-0.40	-40.81	-79.33	457.95
LONG	257.57	111.65	59.22	92.05	81.72	306.57	271.84	263.87	255.01	222.70	84.64
MLAT	-64.28	-74.59	-34.90	3.46	46.23	86.62	31.08	9.84	-31.09	-71.64	-88.03
L	4.55	24.77	1.50	1.00	2.73	131.67	2.73	1.04	31.43	1.82	8.22
SZA	101.71	138.17	159.62	133.40	93.98	57.74	24.50	33.21	69.08	100.80	142.73
MODE	A										

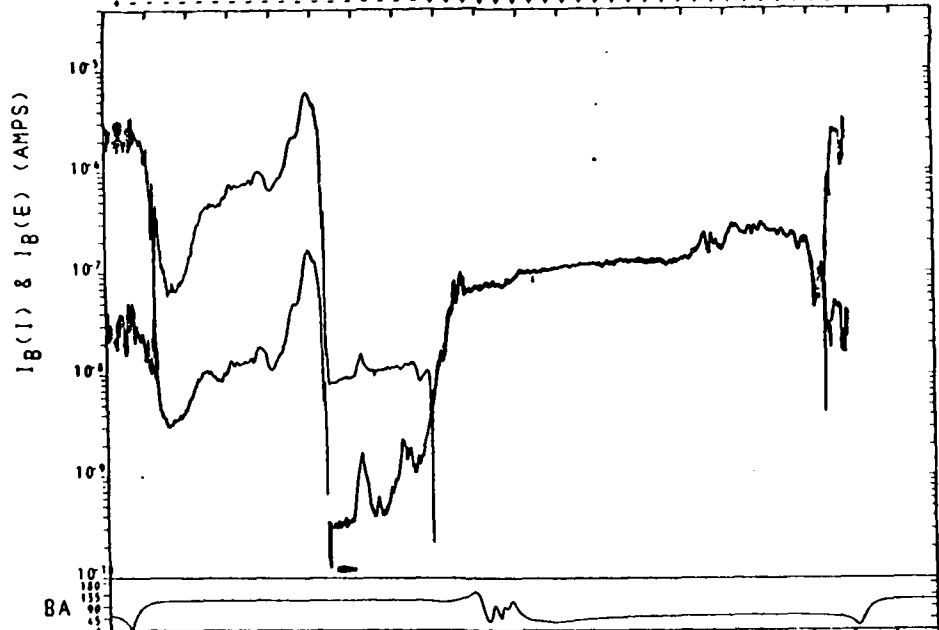


UT	2135:00	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00
LT	0841:17	2310:17	2231:22	2212:47	2141:22	1250:13	1042:09	1020:10	0958:17	0751:13	2101:22
ALT	264.01	278.82	260.46	231.26	206.87	183.48	171.73	184.56	226.51	297.80	287.70
LAT	-73.14	-62.77	-23.36	16.36	36.70	79.64	60.33	-0.44	-40.83	-79.30	457.95
LONG	167.89	22.64	10.42	3.27	352.91	217.63	183.08	173.11	167.14	133.80	357.02
MLAT	-76.90	-61.27	-21.14	19.38	60.18	79.30	36.32	-3.08	-46.12	-82.30	-88.03
L	28.73	4.13	1.50	1.04	60.18	27.11	1.32	1.01	2.45	105.08	8.22
SZA	102.21	138.56	159.56	133.19	93.88	57.72	24.51	33.22	69.09	100.78	142.65
MODE	A										

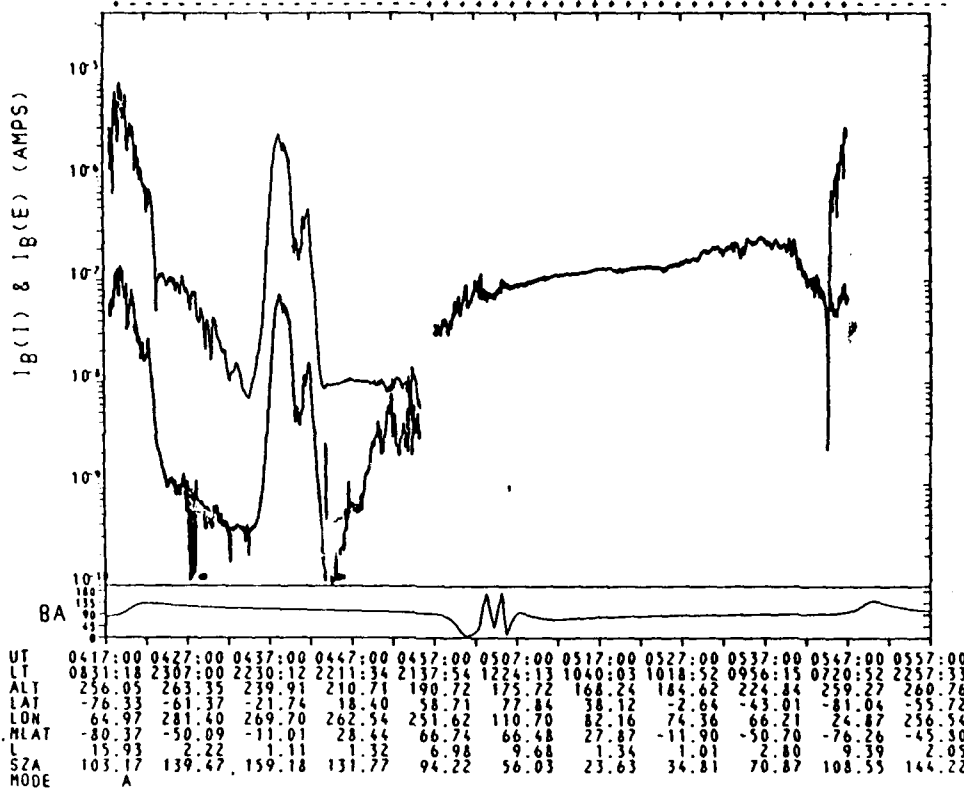




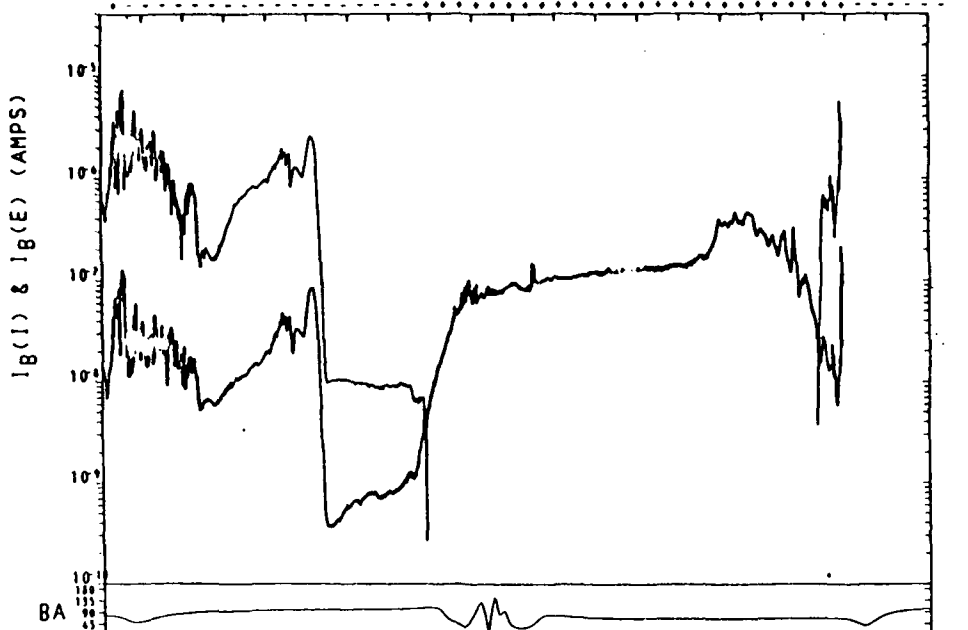
UT	1628:00	1638:00	1648:00	1658:00	1708:00	1718:00	1728:00	1738:00	1748:00	1758:00	1808:00
LT	0837:34	2308:47	2230:44	2212:07	2139:38	1233:54	1040:54	1019:25	0957:12	0739:34	2259:17
ALT	259.23	268.57	246.22	218.53	195.16	173.64	169.77	185.33	226.13	262.59	266.38
LAT	-75.60	-62.21	-22.66	17.42	57.69	73.75	39.20	-1.55	-41.93	-80.22	-36.86
LOW	243.77	99.08	87.07	79.91	69.29	290.86	259.61	251.74	243.68	206.73	74.20
MLAT	-66.25	-73.27	-33.09	7.46	48.42	89.69	48.78	7.64	-33.56	-74.12	-63.36
L	3.45	16.21	1.46	1.00	2.74	422.77	2.40	1.06	1.52	11.89	6.11
SZA	102.46	138.80	199.36	132.59	93.16	56.93	24.13	33.98	69.91	107.58	143.36
MODE	A										



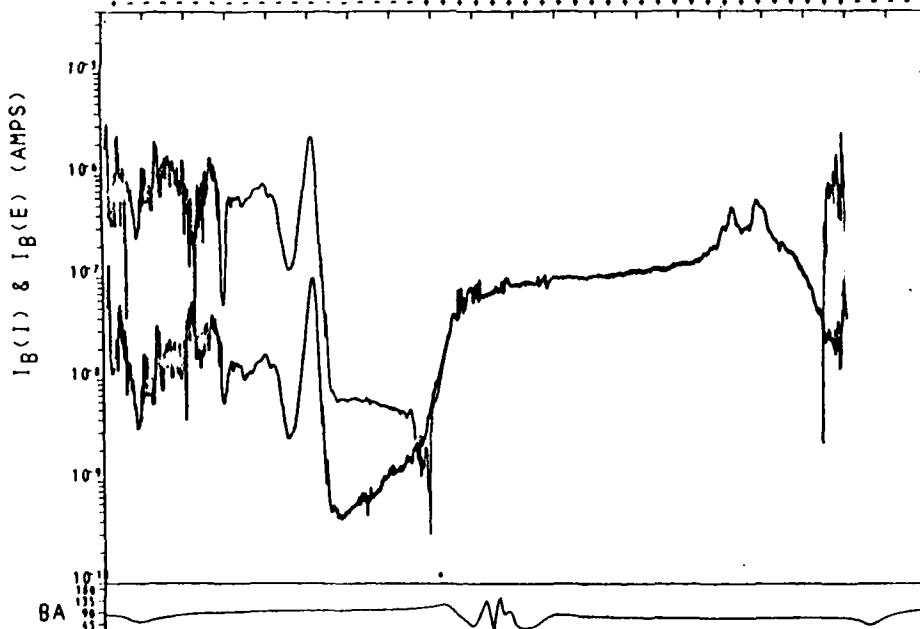
UT	2223:00	2233:00	2243:00	2253:00	2303:00	2313:00	2323:00	2333:00	2343:00	2353:00	0003:00
LT	0820:01	2304:42	2229:36	2210:59	2135:49	1213:04	1039:14	1018:22	0955:15	0657:32	2256:03
ALT	258.84	265.38	241.71	212.47	192.11	176.52	168.99	186.24	227.35	261.71	260.96
LAT	-77.47	-60.12	-20.49	19.63	59.91	76.78	36.91	-3.84	-44.19	-81.82	-54.60
LOW	150.64	9.31	358.04	350.58	339.59	196.41	170.45	162.73	154.45	107.53	34.65
MLAT	-81.36	-56.40	-16.03	24.70	65.71	72.20	30.84	-10.54	-51.55	-36.81	-47.34
L	72.23	3.34	1.38	1.08	4.54	13.24	1.36	1.03	3.01	44.17	2.34
SZA	104.42	140.58	158.90	130.64	93.04	54.89	23.02	35.79	72.01	109.67	145.17
MODE	A										



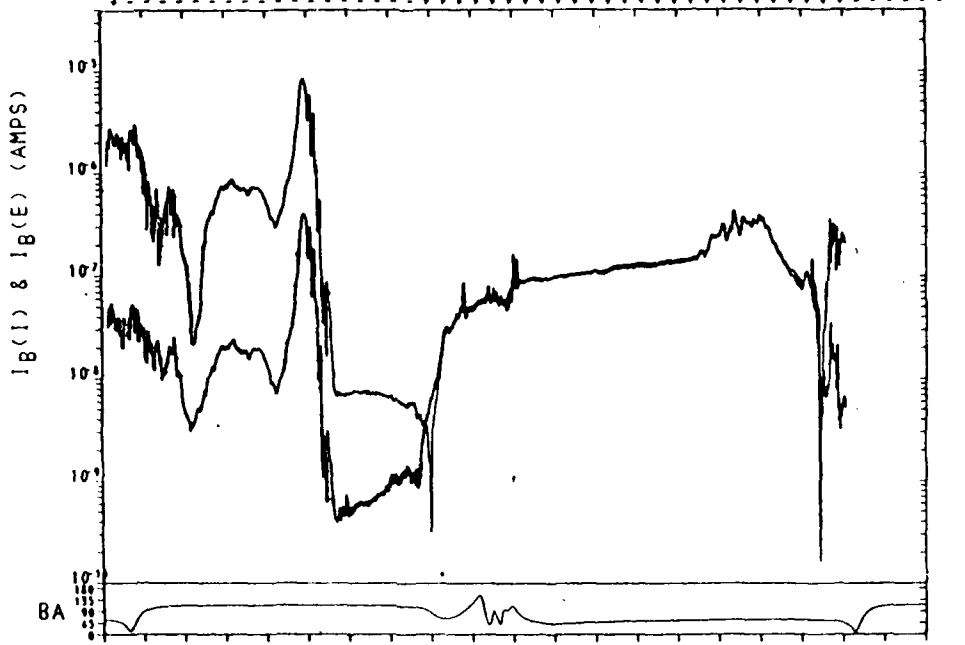
NOT CURRENTLY AVAILABLE



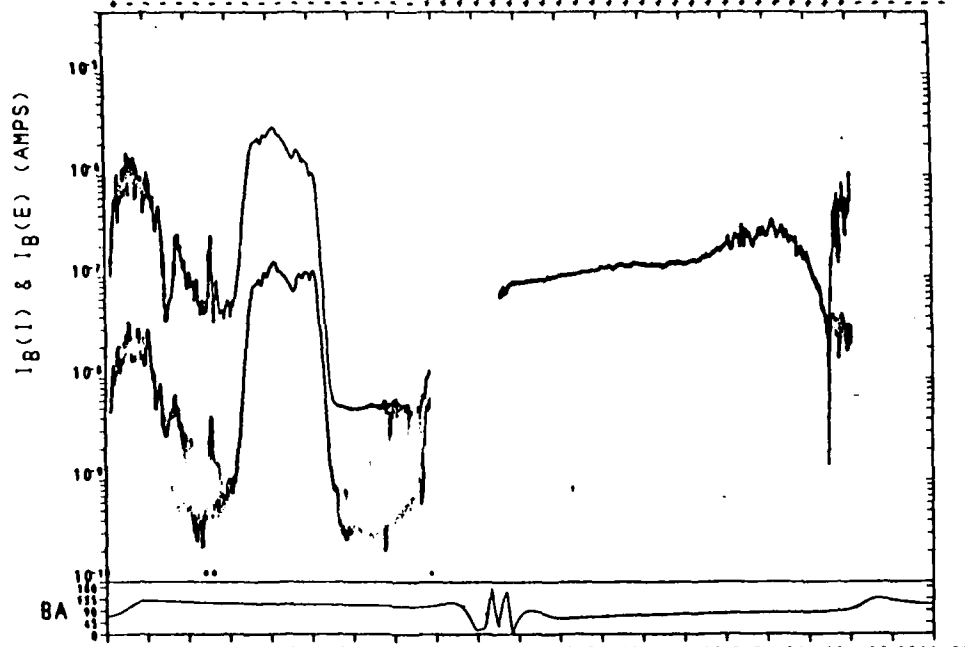
UT	1735:00	1745:00	1755:00	1805:00	1815:00	1825:00	1835:00	1845:00	1855:00	1905:00	1915:00
LT	0821:23	2304:47	2229:32	2210:33	2135:41	1212:24	1039:05	1018:14	0955:07	0656:06	2255:49
ALT	236.39	261.18	236.45	207.39	188.44	174.76	168.72	186.33	226.48	238.98	238.24
LAT	-77.34	-60.24	-70.56	19.62	59.95	76.73	36.85	-3.89	-44.24	-31.86	-54.50
LOX	223.01	81.36	-70.04	62.89	31.58	268.26	242.43	234.72	226.44	179.19	56.62
MLAT	-69.93	-69.62	-29.14	11.62	32.75	85.14	44.07	2.70	-38.30	-78.57	-60.16
SZA	7.83	8.81	1.38	1.02	3.14	211.78	1.93	1.02	1.75	21.17	4.24
MODE	A	140.36	158.89	130.73	93.11	54.95	23.09	35.78	71.95	109.62	145.13



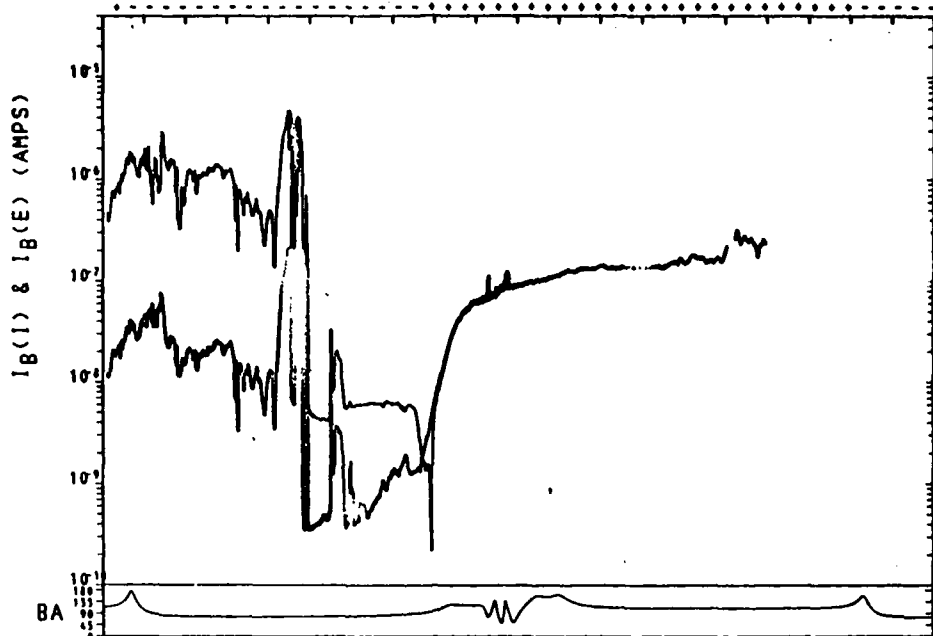
UT	1715:00	1725:00	1735:00	1745:00	1755:00	1805:00	1815:00	1825:00	1835:00	1845:00	1855:00
LT	0830:21	2306:49	2230:04	2211:31	2138:25	1229:33	1040:14	1018:54	0956:28	0730:47	2258:20
ALT	263.74	275.67	255.15	225.50	201.91	181.98	170.37	185.37	227.85	267.17	273.85
LAT	-76.41	-61.37	-21.89	18.09	58.27	78.29	38.67	-2.09	-42.48	-80.62	-56.39
LOX	230.28	86.89	-75.21	68.07	57.30	277.58	247.75	239.92	231.81	192.89	62.28
MLAT	-68.31	-71.40	-31.12	9.43	50.38	87.62	46.68	5.29	-35.74	-76.15	-62.97
SZA	6.71	10.99	1.43	1.00	2.87	914.57	2.14	1.03	1.62	15.77	4.98
MODE	A	139.23	159.14	132.20	94.85	56.74	24.11	34.27	70.18	107.79	143.44



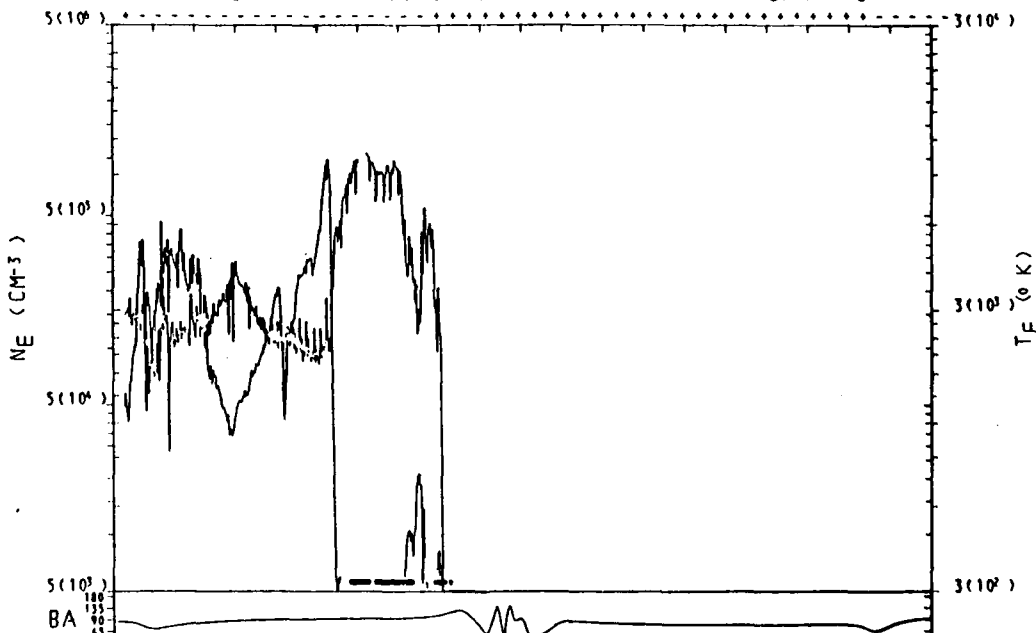
UT	2141:00	2151:00	2201:00	2211:00	2221:00	2231:00	2241:00	2251:00	2301:00	2311:00	2321:00
LT	0434:52	2307:57	2230:20	2211:45	2139:12	1235:16	1040:36	1019:06	0956:50	0734:15	2258:59
ALT	261.76	273.77	253.23	223.65	200.42	181.03	169.70	184.40	226.31	205.33	271.89
LAT	-75.89	-61.93	-22.44	17.56	57.76	78.72	39.17	-1.60	-42.00	-80.26	-56.84
LOW	164.91	20.68	8.78	1.63	350.99	212.51	181.35	173.47	165.40	128.26	355.94
MLAT	-77.96	-60.14	-19.93	20.67	61.55	75.98	34.89	-6.51	-47.54	-86.20	-51.07
L	34.04	3.93	1.47	1.05	3.36	22.71	1.48	1.01	2.48	84.37	2.73
SZA	102.46	138.72	159.23	132.69	95.36	57.23	24.40	33.87	69.70	107.33	143.05
MODE	A										



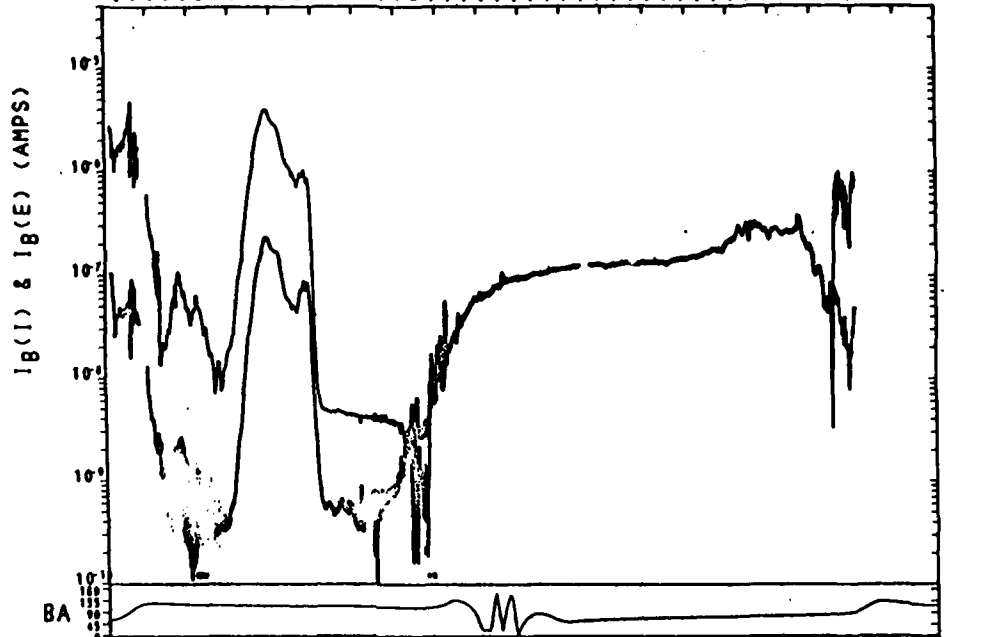
UT	0336:00	0346:00	0356:00	0406:00	0416:00	0426:00	0436:00	0446:00	0456:00	0506:00	0516:00
LT	0426:11	2305:45	2229:43	2211:09	2137:14	1222:01	1039:39	1018:31	0953:48	0717:11	2257:08
ALT	260.70	270.93	249.40	220.06	197.69	179.20	168.93	184.64	226.35	264.12	268.81
LAT	-76.85	-60.85	-21.31	18.73	58.96	77.67	37.93	-2.84	-43.22	-81.37	-55.60
LOW	74.00	291.39	279.88	272.74	261.76	120.46	92.37	84.58	76.41	36.25	266.74
MLAT	-82.41	-49.50	-10.09	29.58	68.43	66.42	27.01	-13.13	-52.36	-77.37	-44.93
L	21.22	2.16	1.11	1.39	8.33	9.49	1.33	1.01	3.01	10.64	1.94
SZA	103.44	139.61	159.01	131.67	94.23	56.15	23.80	34.82	70.82	108.44	144.02
MODE	A										



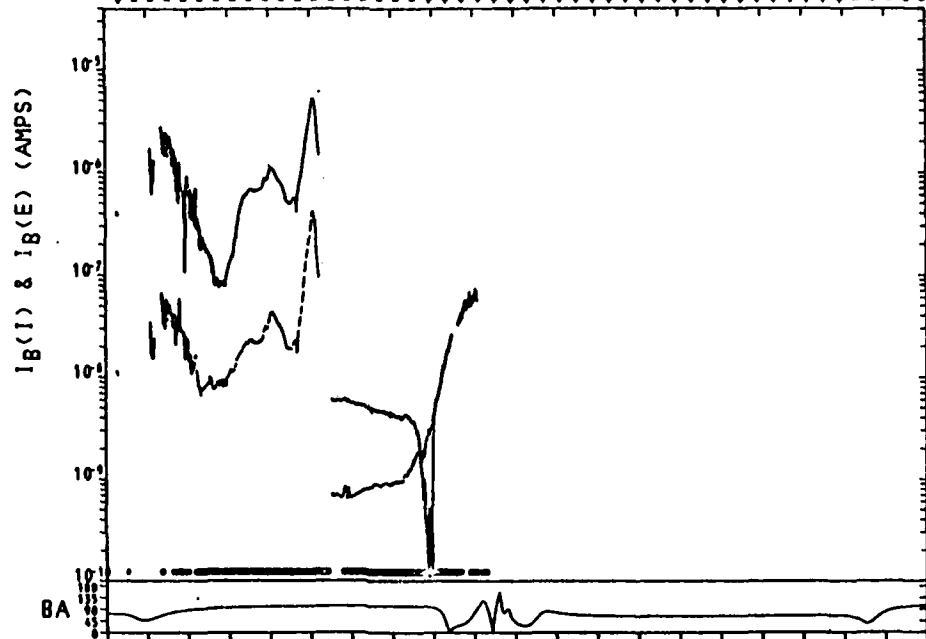
UT	0931:00	0941:00	0951:00	1001:00	1011:00	1021:00	1031:00	1041:00	1051:00	1101:00	1111:00
LT	0835:24	2308:02	2230:19	2211:42	2139:10	1235:18	1040:32	1019:03	0956:48	0739:04	2259:00
ALT	262.44	273.22	251.62	221.56	198.73	180.45	170.34	183.80	227.67	265.85	271.23
LAT	-75.81	-62.01	-22.51	17.51	57.74	78.72	39.18	-1.58	-41.95	-80.22	-56.89
LOW	347.56	203.22	191.29	184.14	173.50	35.04	3.85	355.97	347.91	310.98	178.46
MLAT	-67.68	-59.26	-23.64	14.22	51.56	72.01	41.32	2.94	-35.38	-69.24	-59.27
L	5.01	4.46	1.23	1.09	2.65	13.33	1.51	1.08	1.86	5.57	4.81
SZA	102.31	138.57	159.21	132.78	95.45	57.32	24.48	33.81	69.60	107.20	142.92
MODE	A										



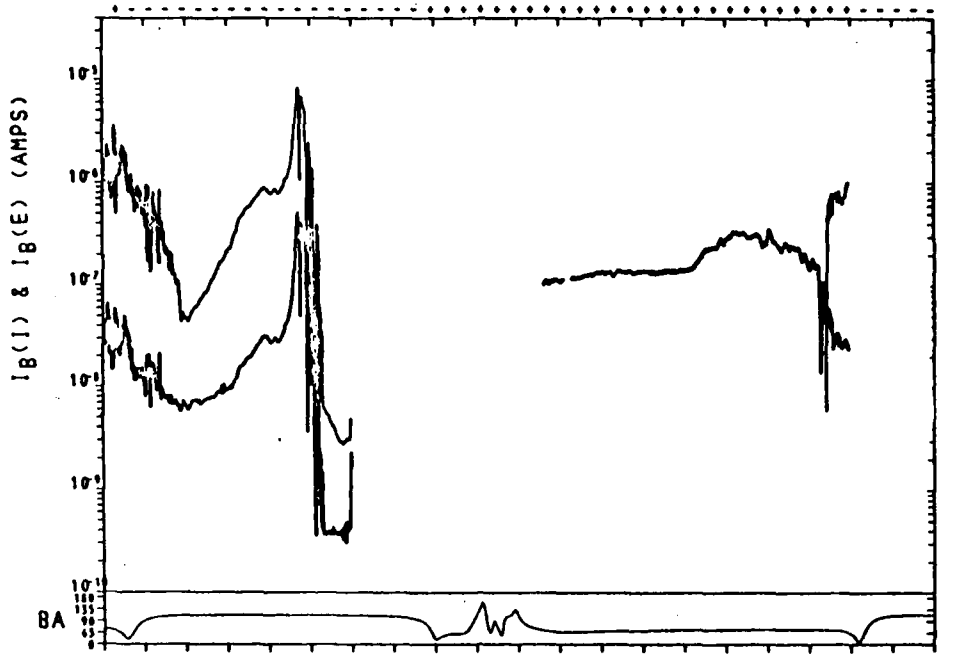
UT	1654:00	1704:00	1714:00	1724:00	1734:00	1744:00	1754:00	1804:00	1814:00	1824:00	1834:00
LT	0845:18	2310:59	2231:00	2212:21	2141:12	1252:34	1041:30	1019:36	0957:49	0757:05	2300:44
ALT	259.10	270.54	249.19	219.19	196.84	179.37	169.49	183.99	224.81	262.85	268.42
LAT	-74.49	-63.40	-23.91	16.14	56.40	79.82	40.52	-0.24	-60.65	-79.31	-58.13
LOW	239.29	93.21	80.72	73.55	63.27	288.61	253.34	245.37	237.42	204.74	68.19
MLAT	-65.63	-74.02	-33.73	6.84	47.82	88.81	49.29	7.90	-33.13	-73.66	-65.63
L	5.37	15.80	1.51	1.00	2.61	959.56	2.41	1.04	1.59	11.81	5.97
SZA	100.90	137.30	159.36	134.03	96.77	58.60	25.26	32.75	68.33	105.95	141.84
MODE	B										



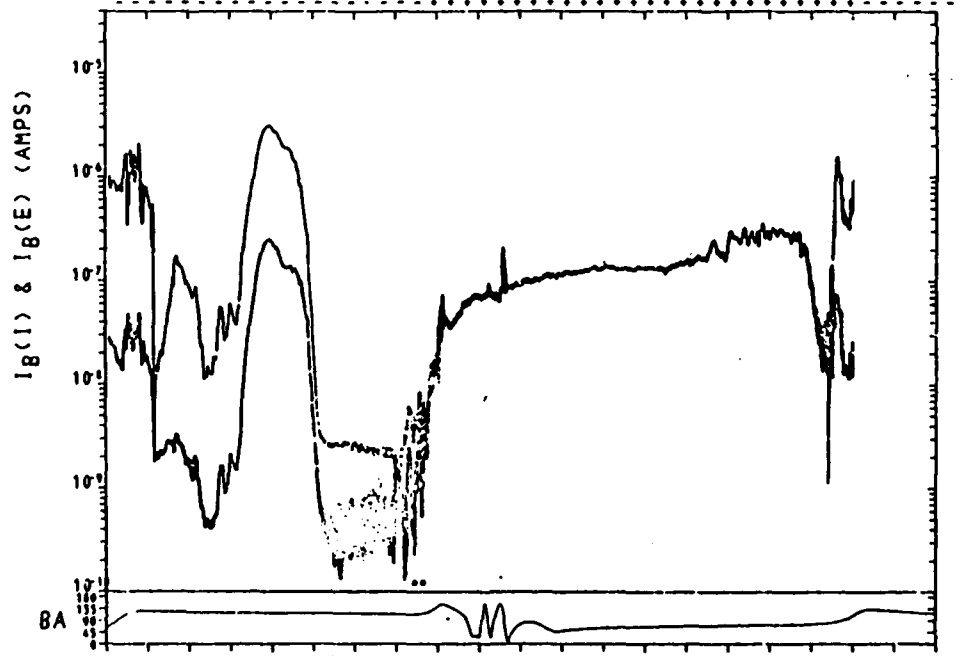
UT	0315:00	0325:00	0335:00	0345:00	0355:00	0405:00	0415:00	0425:00	0435:00	0445:00	0455:00
LT	0823:37	2305:27	2229:31	2210:54	2136:35	1218:26	1039:16	1018:14	0953:24	0709:37	2256:27
ALT	257.63	265.22	241.89	212.53	191.88	175.98	168.07	184.84	223.82	260.85	262.67
LAT	-76.90	-60.76	-21.14	18.98	59.27	77.36	37.56	-3.20	-43.57	-81.62	-55.80
LOX	-79.13	296.59	285.11	277.95	266.87	124.84	97.55	89.79	81.58	37.72	271.84
HLAT	-83.65	-69.47	-9.81	30.10	69.33	66.22	26.41	-13.89	-53.32	-78.13	-44.23
L	25.26	2.13	1.12	1.43	9.31	9.21	1.31	1.01	1.16	11.26	1.88
SZA	103.34	139.54	158.94	131.57	94.09	53.97	23.74	33.03	71.02	108.64	144.20
MODE	A										



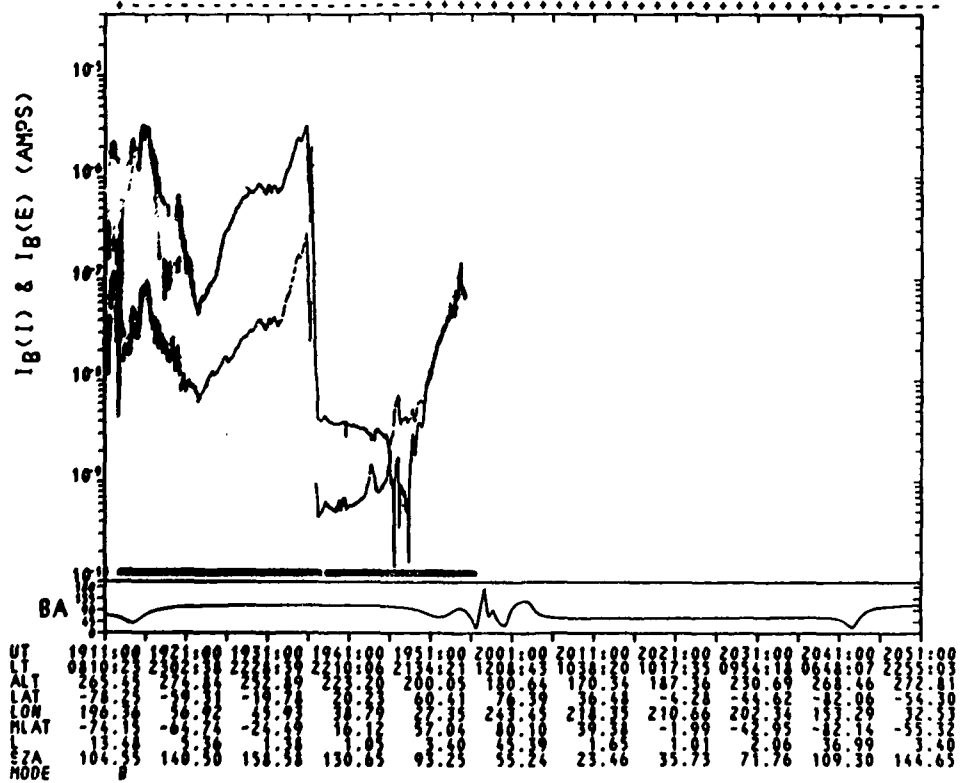
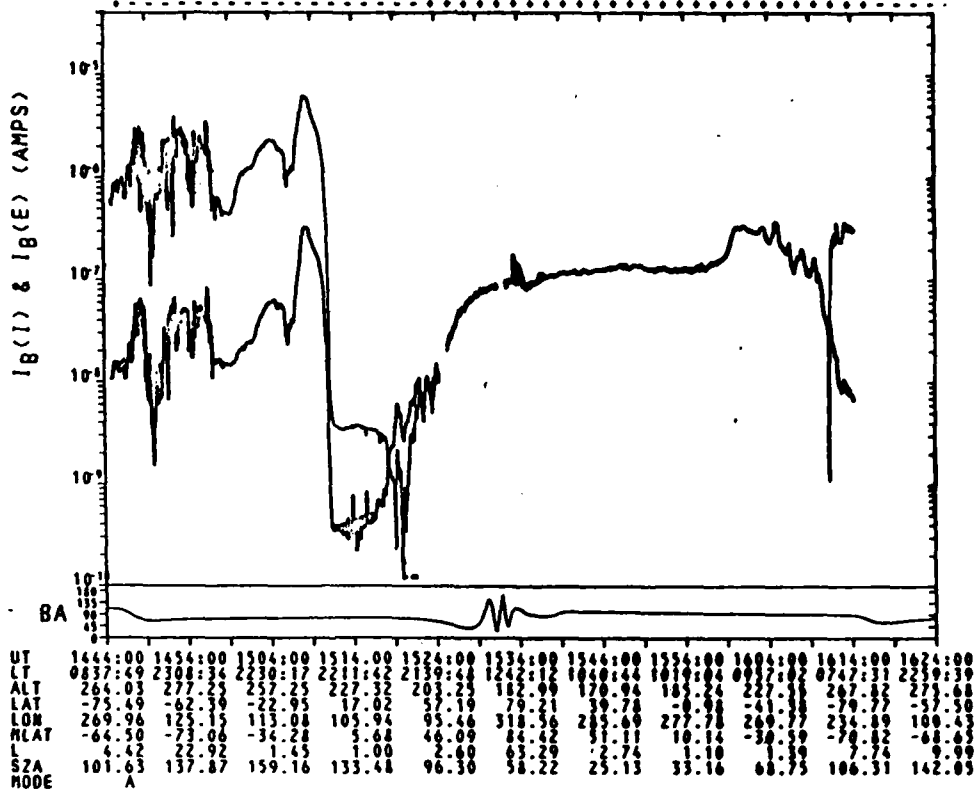
UT	1801:00	1811:00	1821:00	1831:00	1841:00	1851:00	1901:00	1911:00	1921:00	1931:00	1941:00
LT	0843:41	2310:13	2230:42	2212:01	2140:20	1244:47	1040:57	1019:14	0937:14	0709:37	2259:49
ALT	255.94	264.49	241.26	211.35	190.88	176.10	168.63	184.84	223.82	260.85	262.67
LAT	-76.71	-63.13	-23.53	16.58	56.91	79.37	39.63	-3.20	-43.57	-81.62	-55.80
LOX	222.16	76.33	-63.92	56.75	46.33	269.94	236.48	22.00	81.58	37.72	271.84
HLAT	-67.76	-71.62	-31.22	9.51	50.60	86.24	48.10	6.76	-53.32	-78.13	-44.23
L	6.81	9.74	1.49	1.00	2.74	87.22	2.06	1.06	1.16	11.26	1.88
SZA	100.96	137.37	159.27	133.76	96.44	58.26	23.09	33.10	68.70	108.32	142.17
MODE	B										

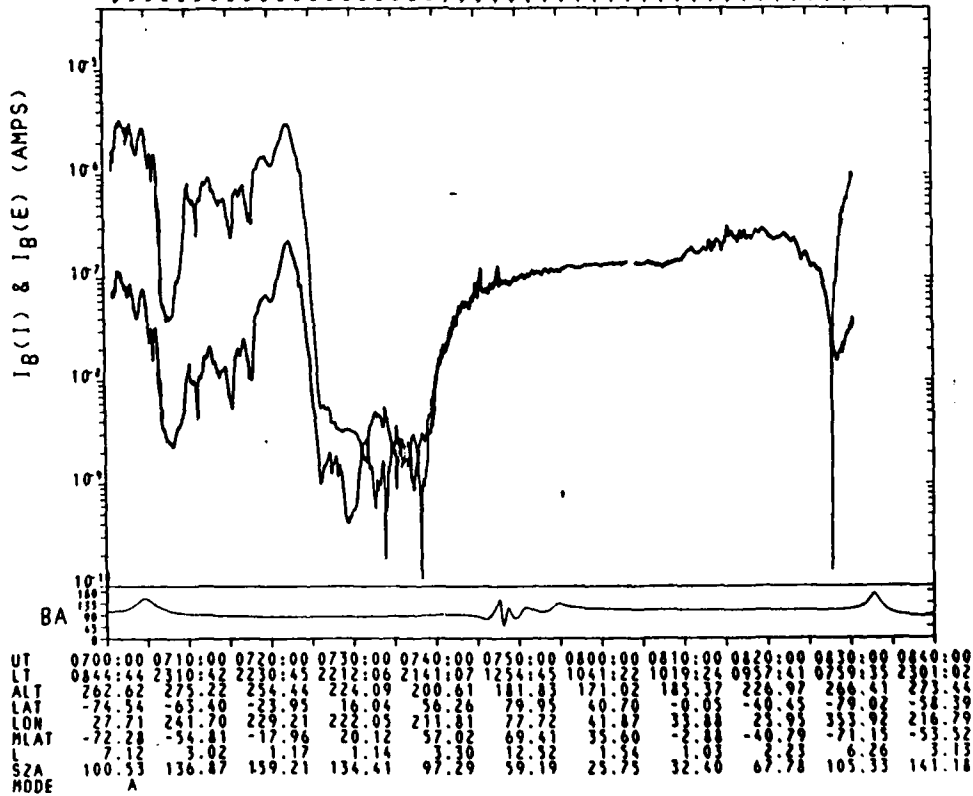
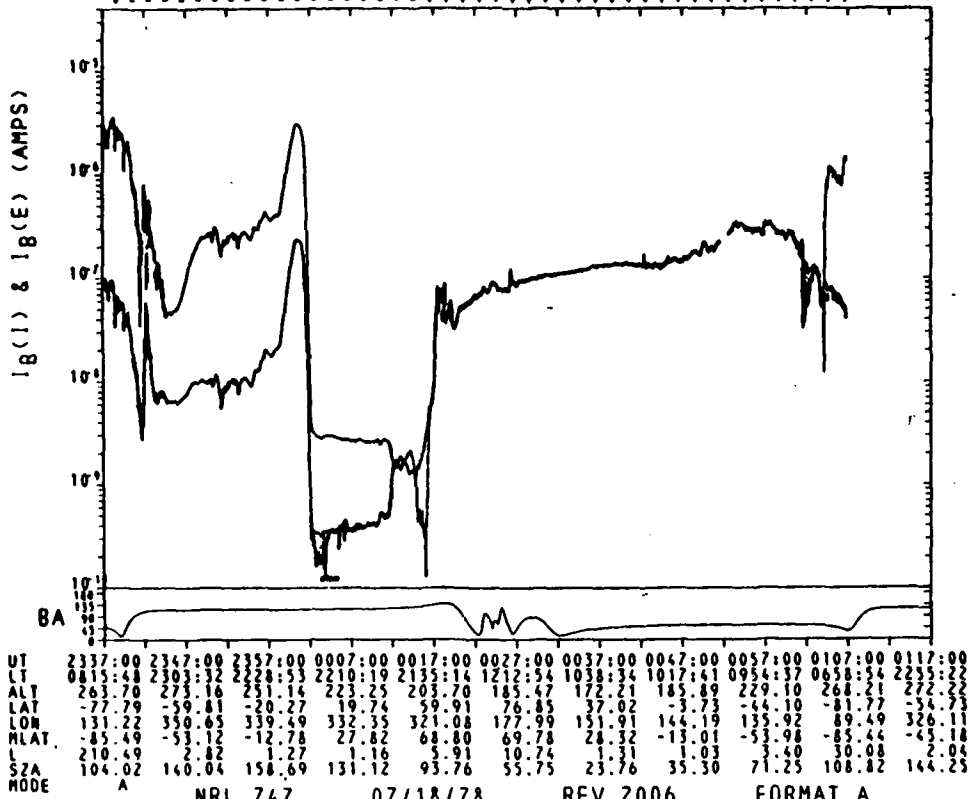


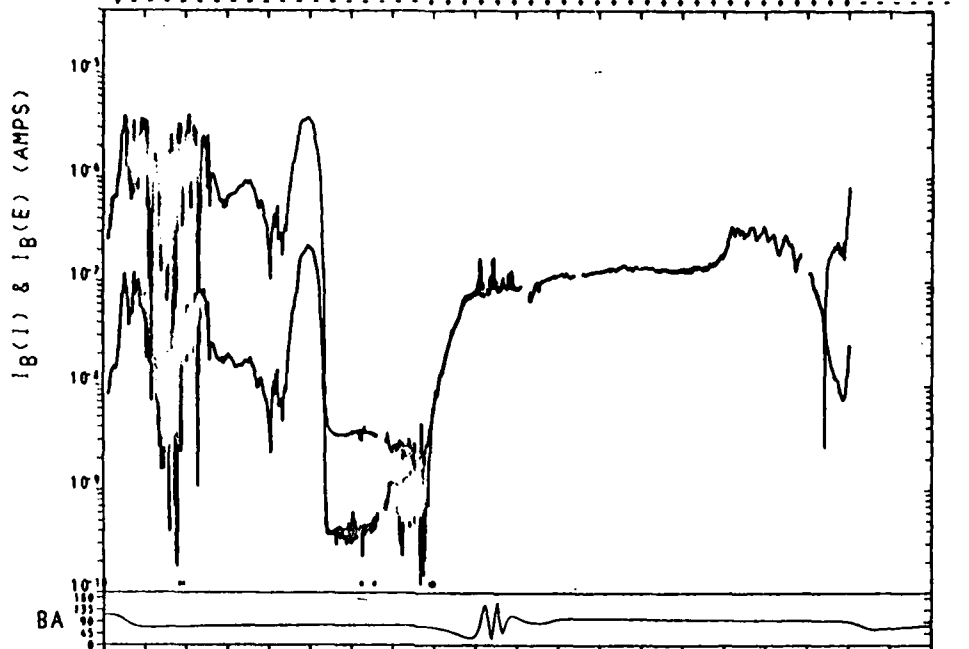
UT	2059:00	2109:00	2119:00	2129:00	2139:00	2149:00	2159:00	2209:00	2219:00	2229:00	2239:00
LT	0815:36	2301:26	2228:52	2210:14	2134:19	1207:38	1038:19	1017:37	0954:19	0643:17	2534:46
ALT	257.25	261.92	258.97	207.73	188.41	174.33	168.34	186.32	227.21	259.88	238.98
LAT	-77.82	-59.70	-20.02	20.16	60.48	176.25	36.10	-4.44	-44.78	-82.18	5.44
LOX	170.65	30.11	18.96	11.80	0.32	216.16	191.33	183.65	175.31	125.07	5.44
MLAT	-78.05	-59.88	-19.53	21.24	62.22	174.98	33.94	-7.42	-43.38	-85.63	-49.92
L	28.03	3.98	1.42	1.05	5.88	18.10	1.45	1.02	2.58	49.55	2.74
SZA	104.23	140.33	158.67	130.61	93.04	54.94	23.25	35.95	72.05	109.65	145.06
MODE	A										



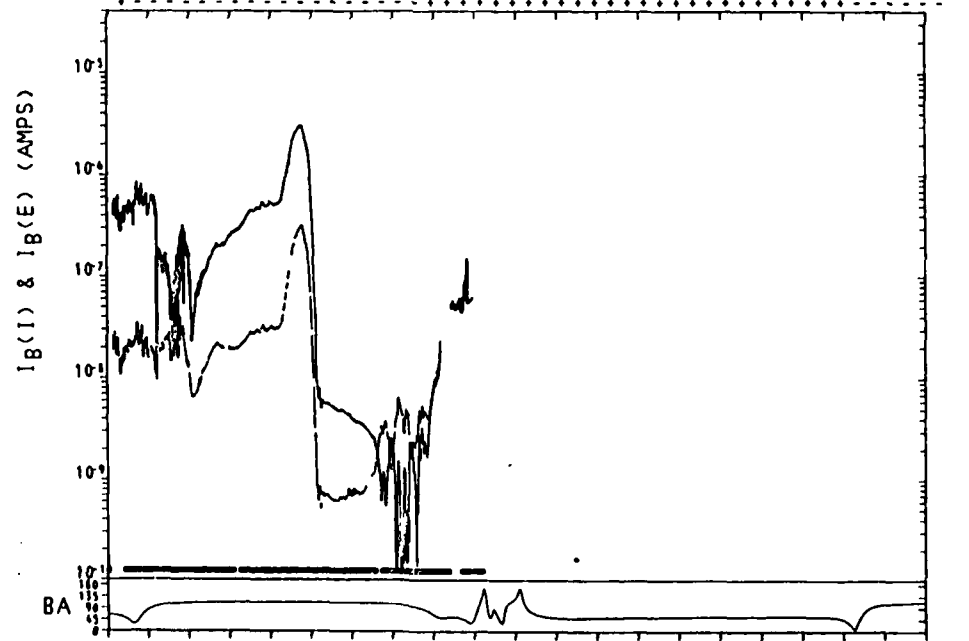
UT	0254:00	0304:00	0314:00	0324:00	0334:00	0344:00	0354:00	0404:00	0414:00	0424:00	0434:00
LT	0730:11	2257:51	2227:06	2208:21	2126:45	1144:04	1035:52	1015:56	0950:49	0452:30	2250:23
ALT	256.86	257.84	231.22	203.00	185.13	172.07	167.99	188.63	229.51	259.09	234.37
LAT	-80.63	-56.25	-16.67	23.77	64.06	172.87	32.62	-3.12	-44.46	-83.60	-50.36
LOX	70.54	299.96	289.78	232.59	269.69	121.52	101.97	94.49	85.70	8.63	275.60
MLAT	-82.89	-45.04	-5.11	35.04	74.32	61.67	21.34	-19.08	-38.54	-75.98	-39.27
L	20.03	1.89	1.10	1.61	15.33	6.30	1.18	1.07	4.22	9.20	1.64
SZA	107.45	143.18	157.53	127.40	89.63	51.64	21.85	38.94	75.42	112.99	147.85
MODE	A										



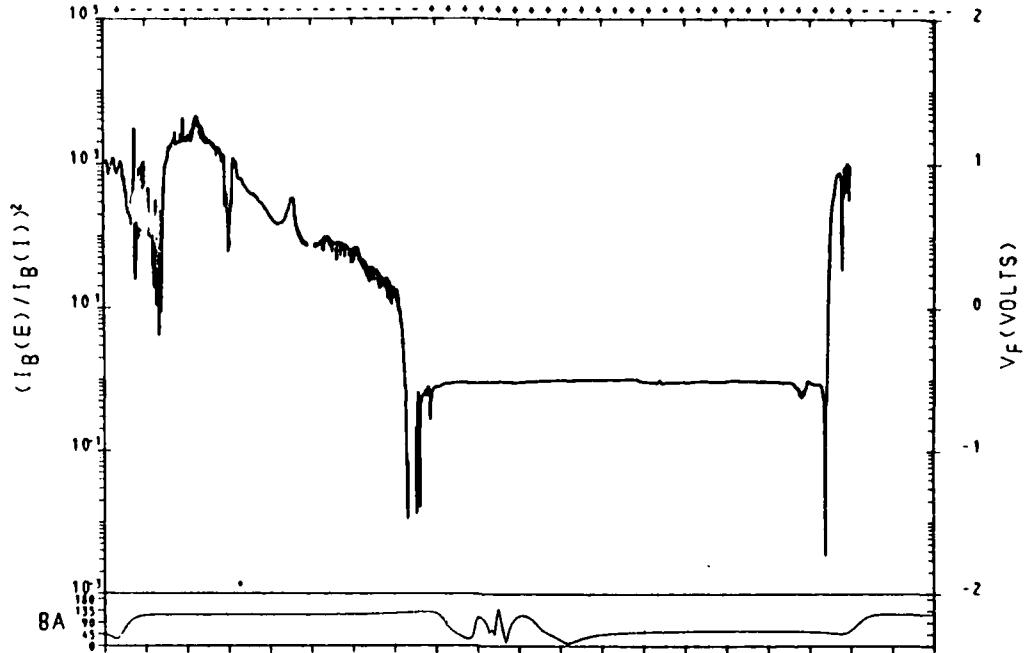




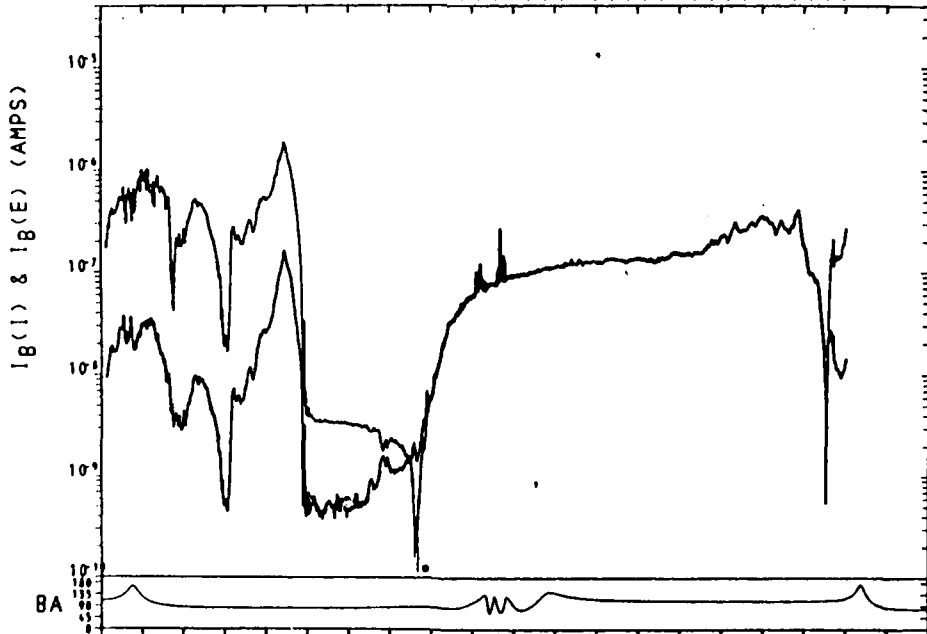
UT	1424:00	1434:00	1444:00	1454:00	1504:00	1514:00	1524:00	1534:00	1544:00	1554:00	1604:00
LT	0830:06	2306:23	2229:37	2211:01	2137:42	1226:47	1039:39	1018:23	0955:53	0727:07	2257:35
ALT	262.20	271.79	249.41	219.37	197.05	179.42	170.13	186.36	228.30	265.57	269.69
LAT	-76.39	-61.37	-21.84	18.21	58.45	78.11	38.45	-2.31	-42.67	-80.76	-56.18
LON	273.05	129.63	117.93	110.79	99.96	319.73	290.44	282.63	274.50	234.81	104.93
MLAT	-65.29	-71.64	-33.06	6.85	47.21	83.93	49.80	8.97	-31.64	-71.69	-67.49
L	4.59	18.59	1.40	1.00	2.74	50.11	2.56	1.10	1.41	8.22	9.25
SZA	102.41	138.59	158.97	132.55	95.26	57.18	24.55	34.10	69.81	107.36	142.97
MODE	A										



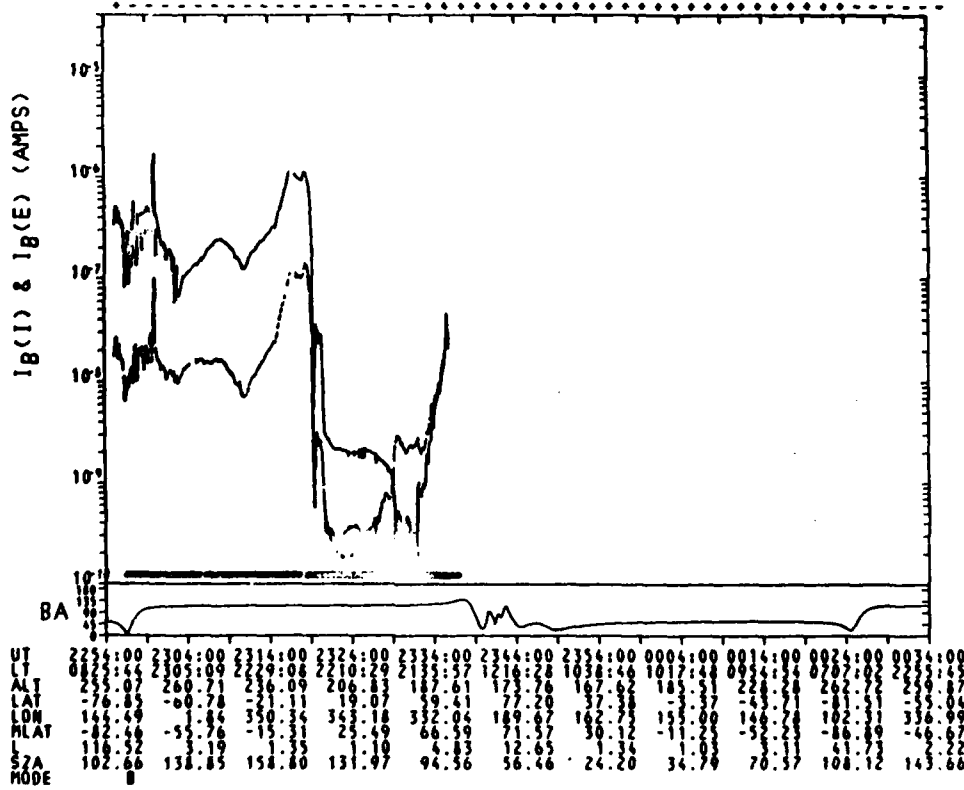
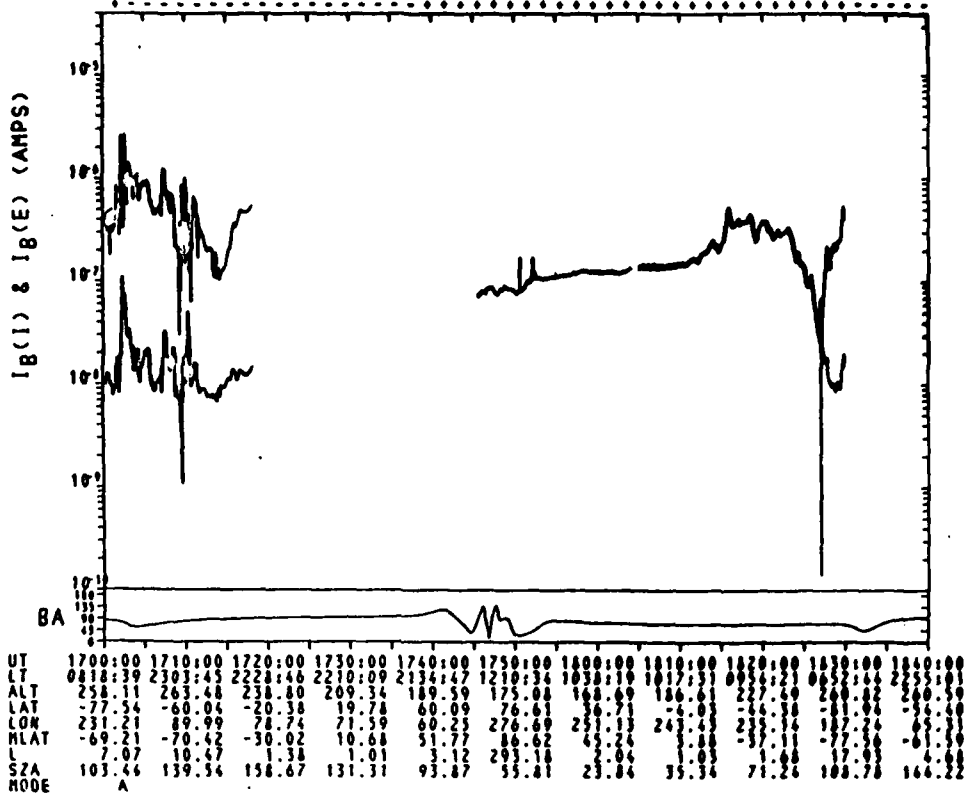
UT	2019:00	2029:00	2039:00	2049:00	2059:00	2109:00	2119:00	2129:00	2139:00	2149:00	2159:00
LT	0817:21	2303:60	2228:50	2210:14	2135:00	1211:49	1038:30	1017:39	0954:31	0656:05	2255:22
ALT	261.47	268.90	245.45	215.74	194.31	177.55	169.41	186.87	228.88	264.43	266.44
LAT	-77.65	-59.94	-20.35	19.74	59.99	76.73	36.85	-3.90	-44.24	-81.84	-54.60
LON	181.13	40.20	28.99	21.85	10.54	222.24	201.41	193.70	185.42	138.31	15.63
MLAT	-76.15	-62.09	-21.83	18.85	59.78	77.25	36.41	-4.94	-45.90	-84.24	-52.34
L	19.66	4.46	1.42	1.05	3.55	29.99	1.54	1.01	2.31	50.08	3.02
SZA	103.72	139.77	158.69	131.23	93.82	55.77	23.78	35.32	71.25	108.79	144.22
MODE	B										

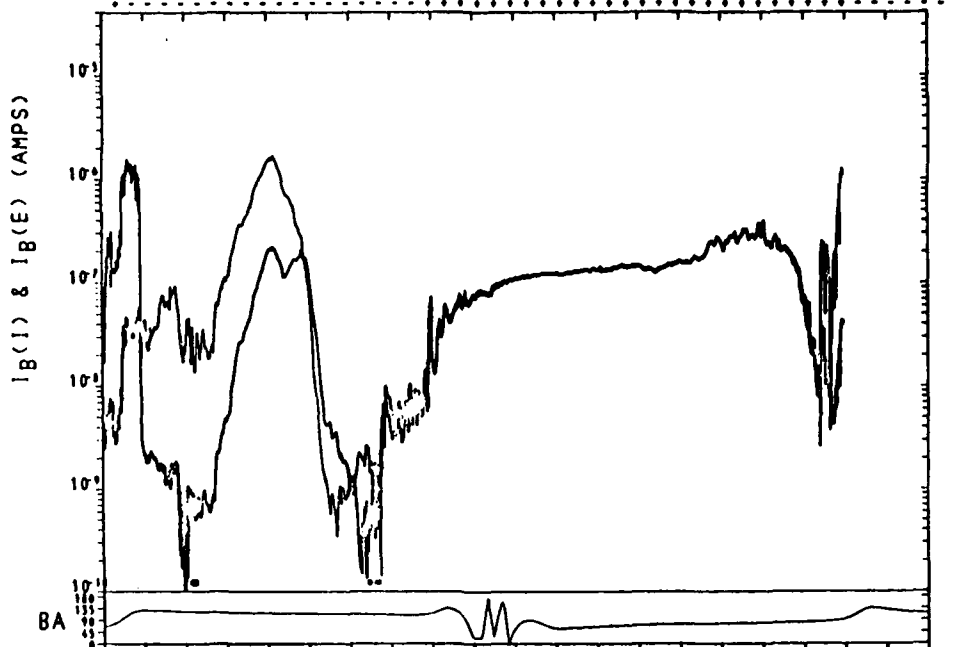


UT	0045:00	0055:00	0105:00	0115:00	0125:00	0135:00	0145:00	0155:00	0205:00	0215:00	0225:00
LT	0812:35	2302:49	2228:34	2209:57	2133:59	1207:08	1038:05	1017:22	0954:01	0642:42	2254:34
ALT	260.32	266.80	242.89	213.41	192.57	176.42	168.88	186.78	228.59	263.55	264.26
LAT	-78.06	-59.47	-19.84	20.27	60.54	176.52	36.28	-4.48	-44.82	-82.20	-94.01
LOH	113.43	353.49	322.43	315.28	303.78	159.57	134.81	127.13	118.79	68.66	308.93
MLAT	-88.99	-50.59	-10.22	30.39	71.34	67.24	23.89	-15.28	-55.98	-82.54	-43.17
L	128.70	2.43	1.18	1.34	8.36	8.88	1.27	1.02	3.77	18.92	1.83
SZA	104.13	140.15	158.57	130.78	93.32	55.28	23.53	35.76	71.76	109.30	144.66
MODE	A										

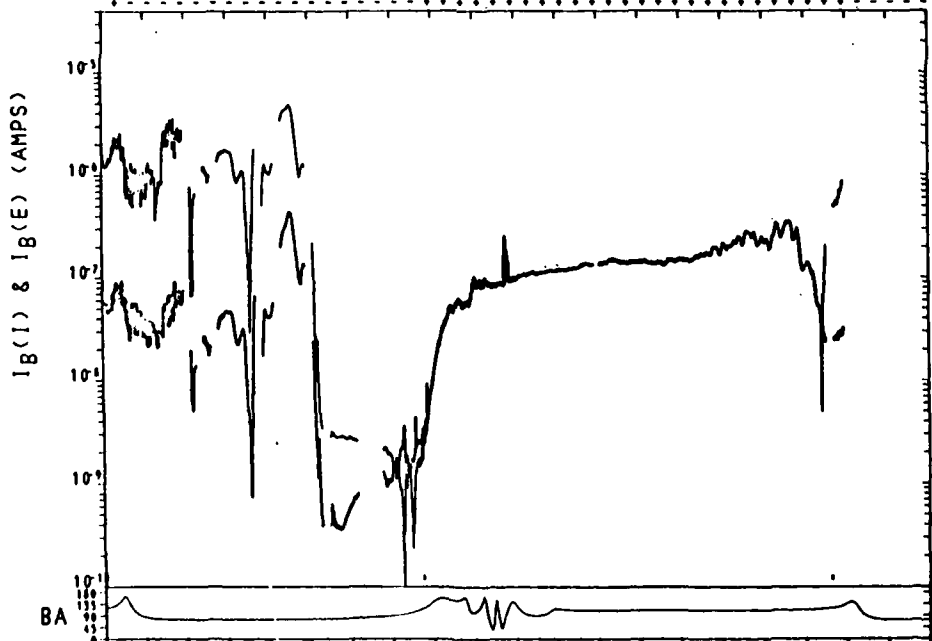


UT	0808:00	0818:00	0828:00	0838:00	0848:00	0858:00	0908:00	0918:00	0928:00	0938:00	0948:00
LT	0832:28	2306:52	2229:40	2211:03	2137:51	1227:56	1039:40	1018:22	0955:55	0728:56	2257:39
ALT	260.20	268.21	244.70	214.58	193.40	177.58	169.84	186.55	227.67	263.32	265.70
LAT	-76.12	-61.65	-22.08	18.03	58.31	78.20	38.55	-2.19	-42.55	-80.68	-56.26
LOH	-7.66	223.76	211.96	204.81	194.01	54.03	24.46	16.64	8.53	329.28	198.96
MLAT	-70.42	-55.50	-19.19	18.73	55.55	69.52	36.68	-1.61	-39.47	-70.56	-54.69
L	6.05	3.35	1.17	1.13	3.08	11.38	1.46	1.07	2.17	6.02	3.48
SZA	102.00	138.22	158.97	132.81	95.51	57.41	24.71	33.93	69.59	107.13	142.78
MODE	A										

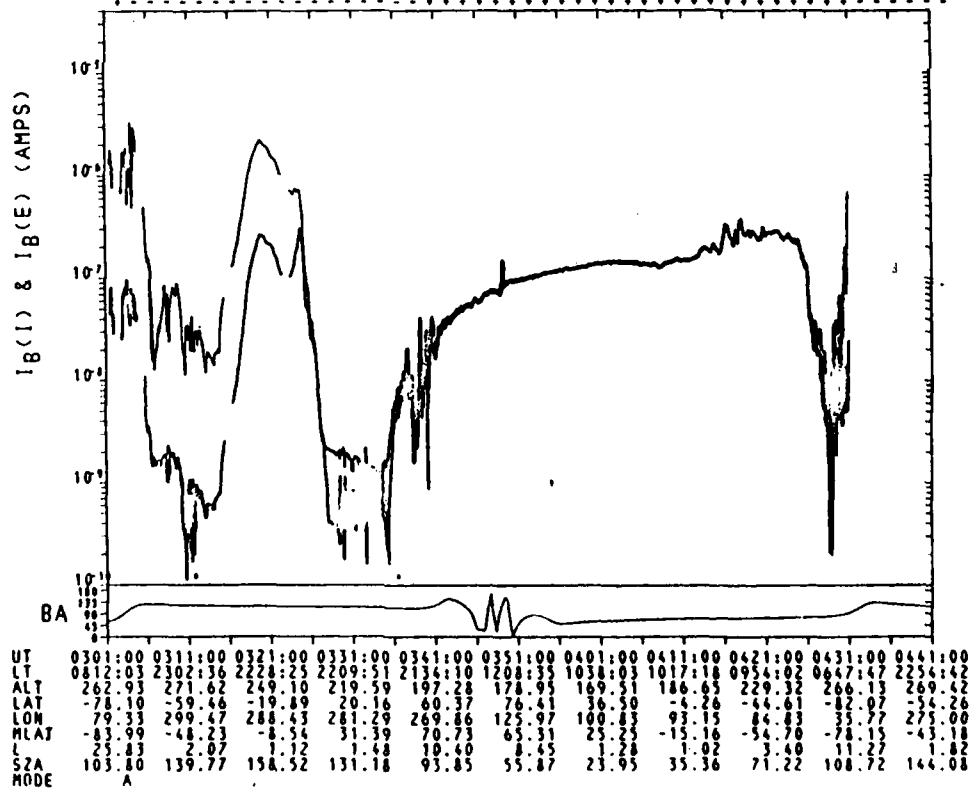
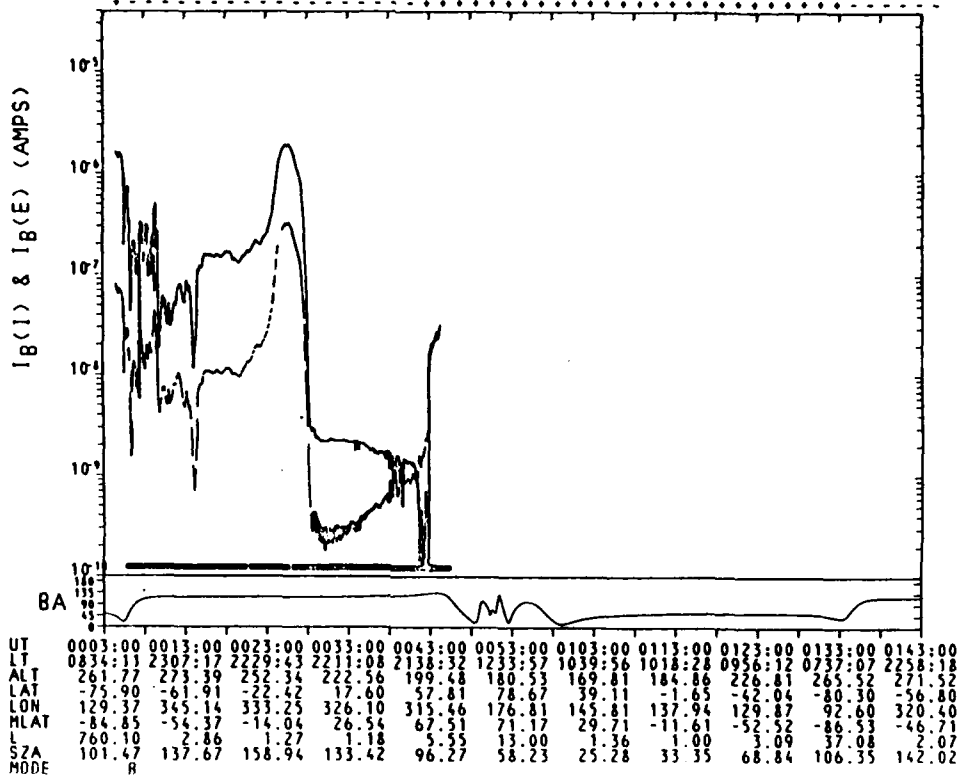


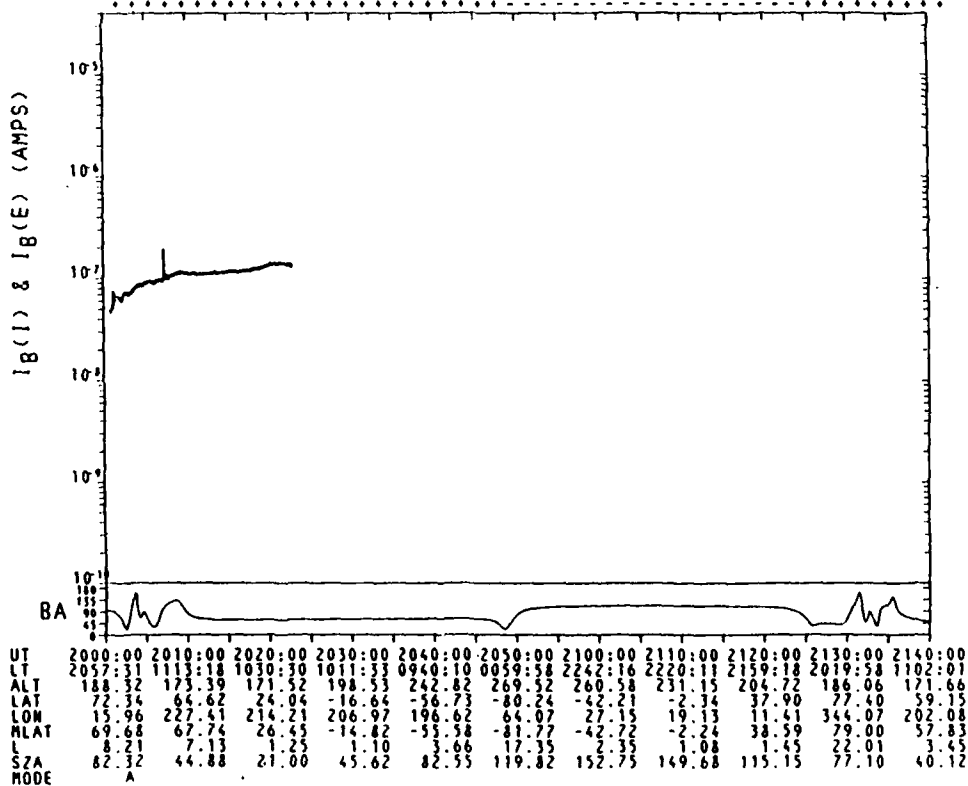
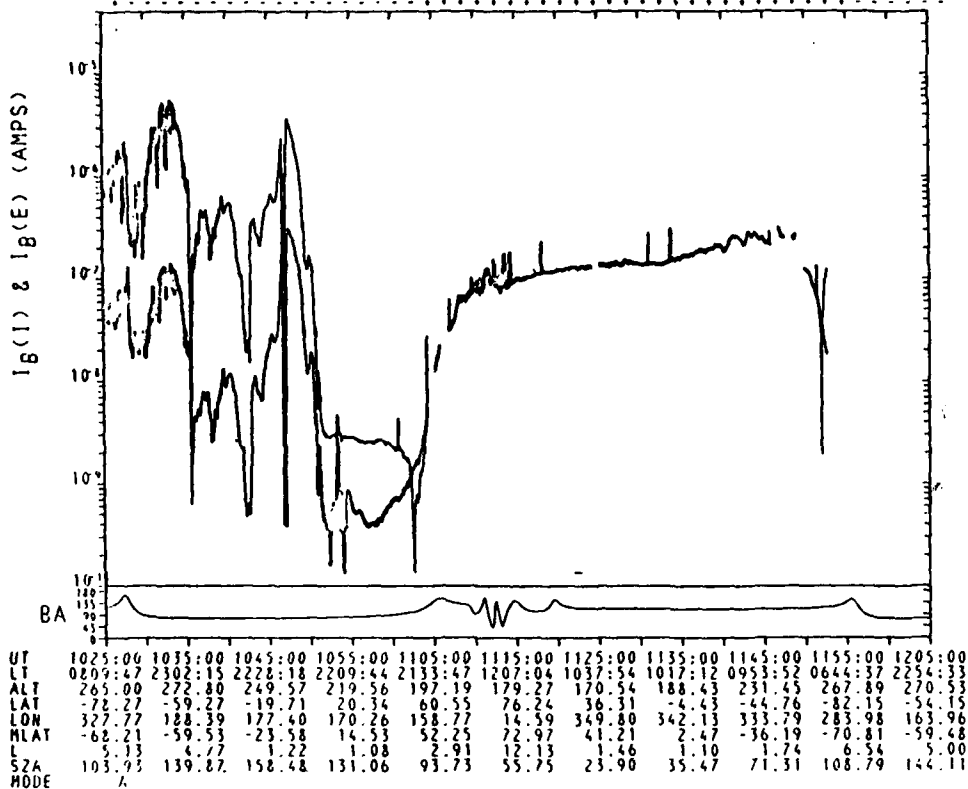


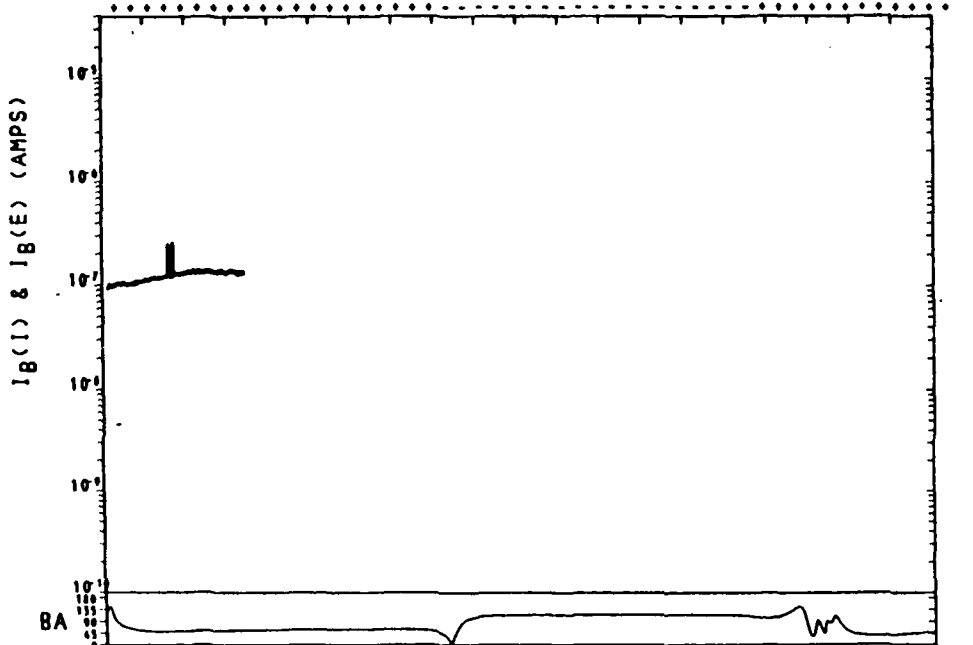
UT	0321:00	0331:00	0341:00	0351:00	0401:00	0411:00	0421:00	0431:00	0441:00	0451:00	0501:00
LT	0815:22	2303:21	2228:44	2210:13	2135:28	1215:03	1038:40	1017:43	0954:46	0705:07	2255:55
ALT	268.06	280.09	259.73	229.91	205.18	183.59	171.22	187.10	231.13	271.37	278.69
LAT	-77.82	-59.84	-20.38	19.56	59.69	77.08	37.27	-3.50	-43.86	-81.57	-55.11
LOW	75.15	294.64	283.49	276.36	265.17	122.57	95.97	88.24	80.00	35.09	270.29
MLAT	-83.07	-48.51	-9.07	30.60	69.56	65.88	26.18	-14.07	-53.42	-77.86	-44.24
L	22.52	2.09	1.11	1.44	9.30	8.98	1.30	1.01	3.18	10.97	1.89
SZA	103.68	139.63	158.65	131.56	94.33	56.36	24.17	34.87	70.68	108.17	143.57
MODE	A										



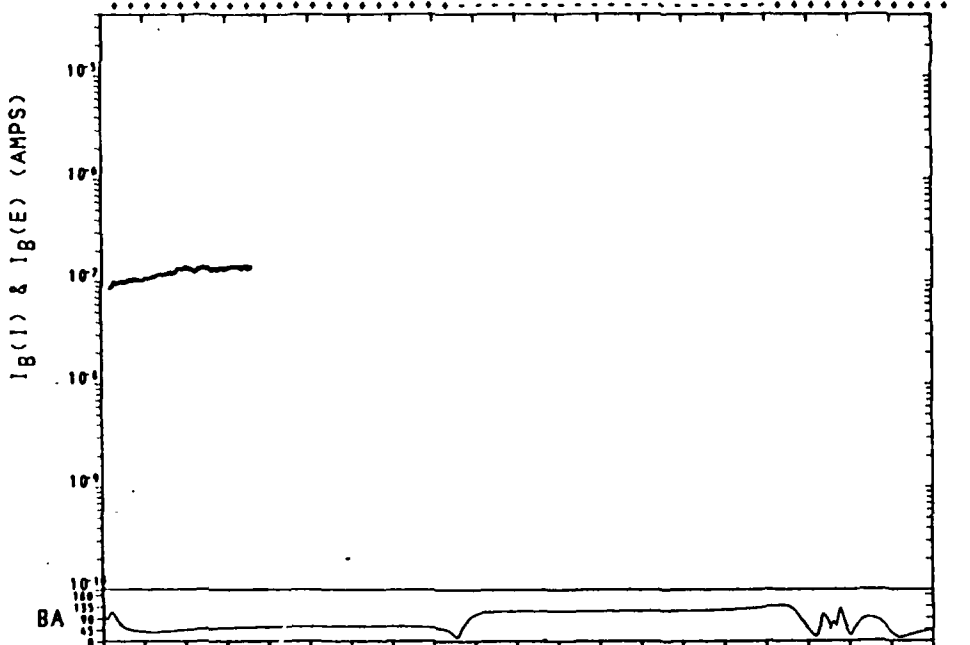
UT	1045:00	1055:00	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00	1205:00	1215:00	1225:00
LT	0813:20	2302:59	2228:36	2210:04	2134:54	1212:21	1038:26	1017:33	0954:29	0638:48	2255:30
ALT	267.38	278.06	256.81	226.95	202.96	182.51	171.29	187.80	231.50	270.54	276.27
LAT	-77.99	-59.63	-20.14	19.83	59.98	76.80	36.95	-3.80	-44.15	-81.76	-54.80
LOW	323.65	183.56	172.46	165.33	154.04	10.90	344.92	337.20	328.93	282.53	150.19
MLAT	-67.68	-60.81	-24.92	13.23	51.15	73.97	42.72	3.84	-35.02	-70.43	-60.97
L	4.97	5.29	1.25	1.07	2.81	13.40	1.52	1.09	1.66	6.38	3.63
SZA	103.80	139.75	158.60	131.37	94.10	56.14	24.06	35.08	70.91	108.39	143.77
MODE	A										



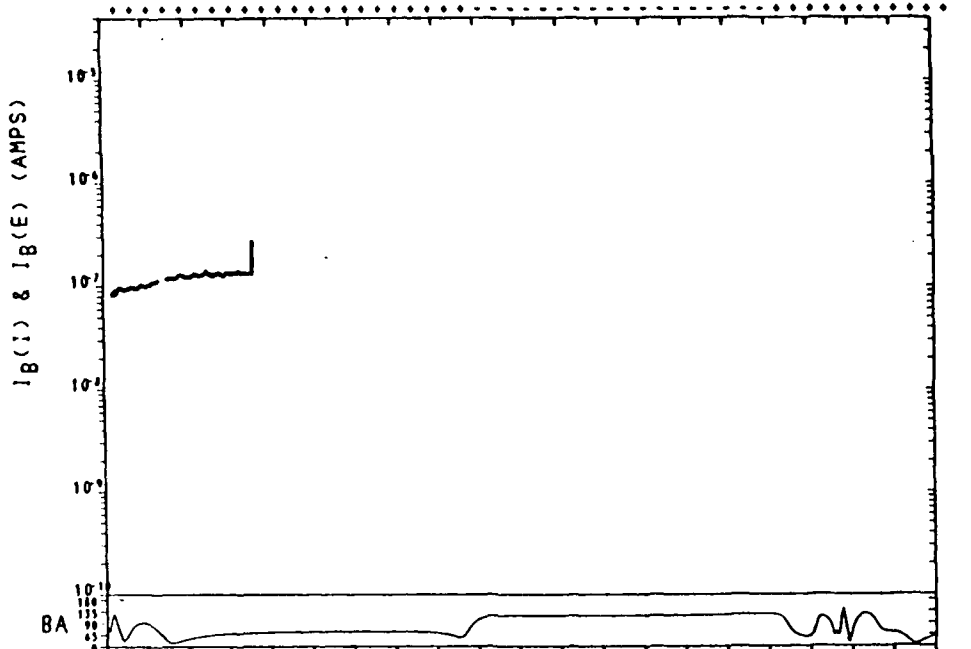




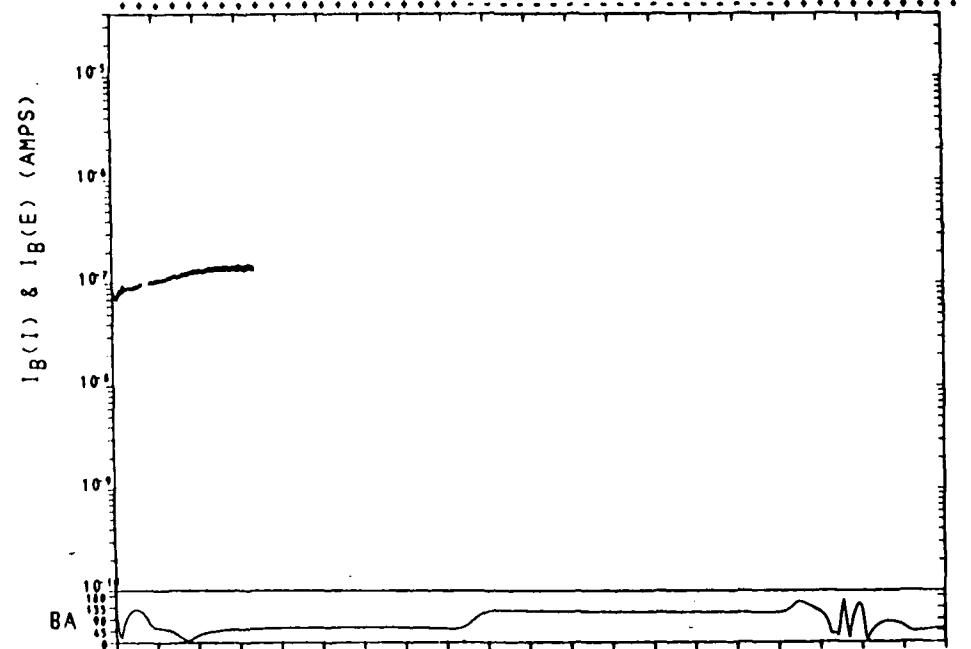
UT	2135:00	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00
LT	1231:05	1039:41	1018:18	0955:58	0733:13	2257:50	2226:51	2208:11	2127:39	1146:56	1034:51
ALT	177.64	169.15	185.09	226.53	263.29	266.88	241.68	212.45	191.76	175.66	169.33
LAT	78.47	58.86	-1.90	-42.28	-80.48	-56.53	-16.55	23.28	63.50	72.45	133.25
LOW	225.60	195.25	187.41	179.32	141.14	9.79	359.95	352.88	339.74	192.07	171.79
HLAT	77.97	37.17	-4.20	-45.19	-84.05	-53.10	-12.73	28.01	64.98	68.85	27.47
L	31.30	1.57	1.01	2.25	64.95	3.04	1.31	1.12	5.84	8.80	1.28
SZA	58.17	25.27	33.44	68.91	106.41	142.08	157.67	128.51	90.98	53.08	22.67
MODE	A										



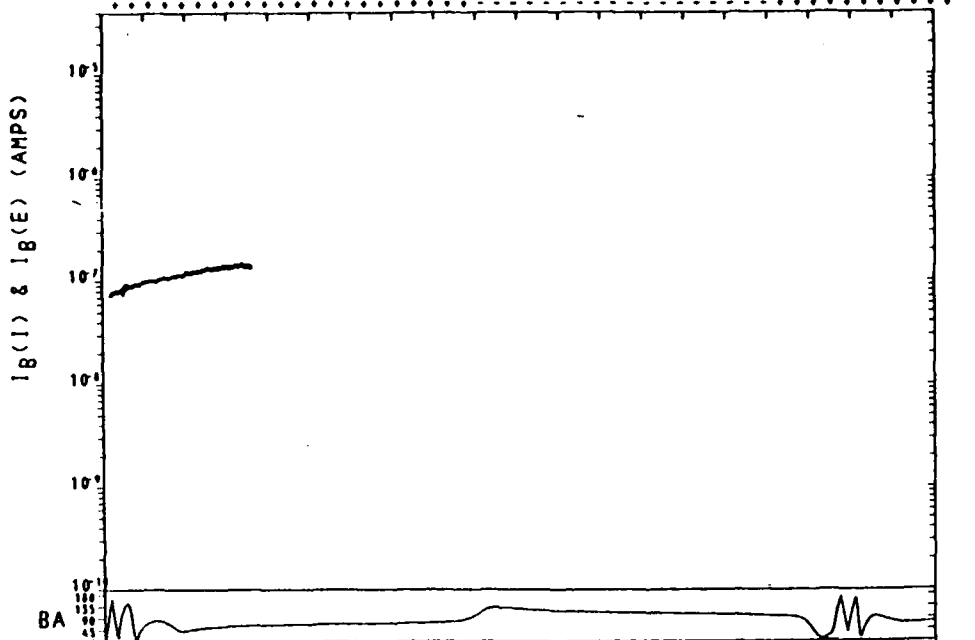
UT	2302:00	2312:00	2322:00	2332:00	2342:00	2352:00	0002:00	0012:00	0022:00	0032:00	0042:00
LT	1438:35	1045:05	1021:14	1000:47	0841:13	2309:11	2230:07	2211:28	2139:43	1242:56	1040:16
ALT	179.63	169.14	180.15	218.80	258.65	268.10	245.90	216.72	196.39	178.60	165.19
LAT	83.00	65.47	4.70	-35.77	-74.99	-62.86	-23.32	16.74	57.01	79.30	139.82
LOW	235.73	174.45	166.39	158.78	136.39	350.88	338.61	331.45	321.01	184.32	151.15
HLAT	80.87	39.97	-1.52	-42.67	-82.94	-58.05	-15.66	24.99	60.02	72.52	31.00
L	77.79	1.70	1.00	2.01	370.95	3.08	1.31	1.13	5.82	15.15	1.39
SZA	64.28	29.43	28.68	62.86	100.35	136.66	158.96	134.30	97.20	59.11	25.85
MODE	A										



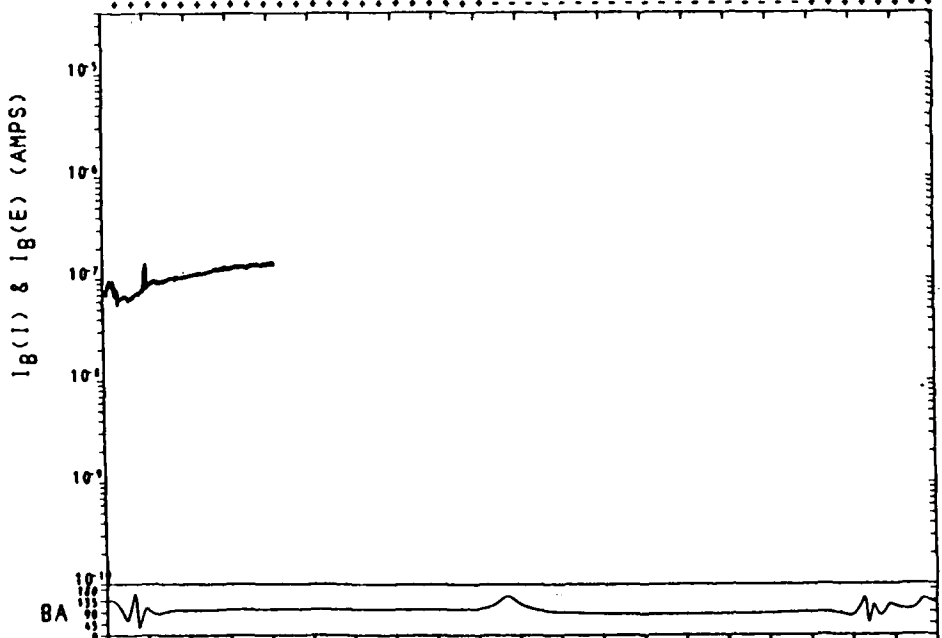
UT	0030:00	0040:00	0050:00	0100:00	0110:00	0120:00	0130:00	0140:00	0150:00	0200:00	0210:00
LT	1603:23	1047:27	1022:21	1002:24	0855:23	2314:50	2231:25	2212:38	2143:09	1521:25	1042:20
ALT	180.22	169.17	178.40	215.73	256.42	267.97	247.12	217.01	194.79	178.31	168.61
LAT	83.65	47.97	7.21	-33.30	-72.73	-65.23	-25.75	14.32	54.62	81.16	42.30
LOW	234.93	153.45	144.67	137.18	117.93	330.29	316.94	309.74	299.87	171.94	129.67
MLAT	80.77	39.31	-2.09	-43.15	-83.74	-55.87	-15.58	24.92	65.71	72.71	31.54
L	78.38	1.73	1.00	1.99	573.62	2.85	1.22	1.29	5.60	16.79	1.47
SZA	66.62	31.22	27.06	60.57	98.04	134.54	158.96	136.41	99.49	61.37	27.34
MODE	A										



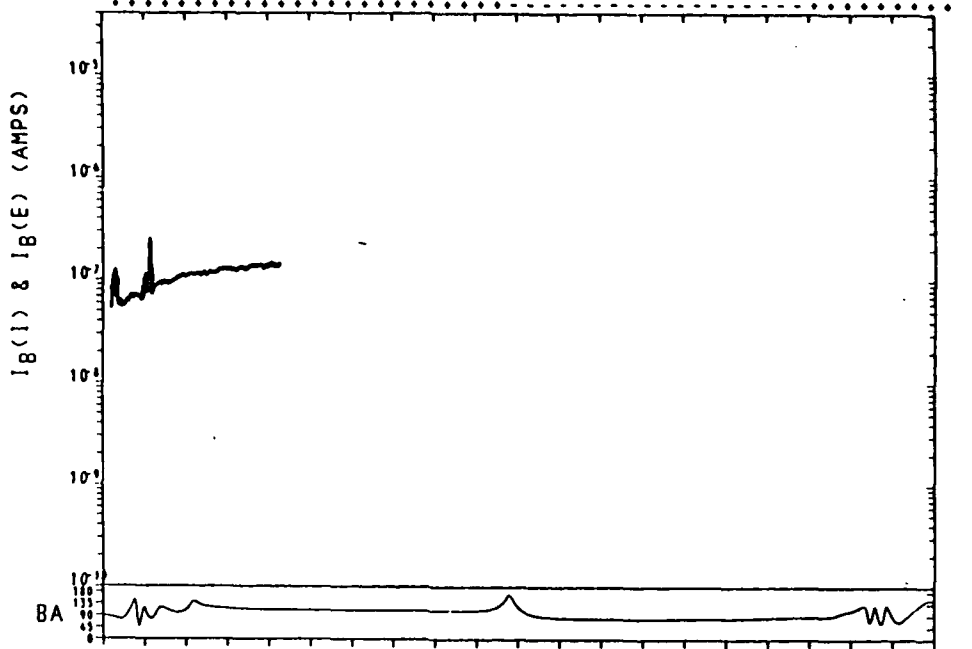
UT	0359:00	0209:00	0219:00	0229:00	0239:00	0249:00	0259:00	0309:00	0319:00	0329:00	0339:00
LT	1507:01	1045:53	1021:38	1001:22	0846:44	2311:02	2230:33	2211:52	2140:54	1254:04	1041:01
ALT	179.54	168.75	179.27	217.26	237.17	267.10	245.14	215.20	193.52	177.24	168.38
LAT	83.34	48.37	5.60	-34.89	-74.20	-63.69	-24.16	15.93	56.23	79.94	46.66
LOW	198.59	130.81	122.24	114.68	93.52	307.09	294.47	287.30	277.06	142.85	107.09
MLAT	76.77	35.67	-5.48	-46.19	-84.24	-52.72	-12.84	27.28	67.22	69.49	29.30
L	31.29	1.65	1.00	2.21	46.13	2.42	1.15	1.58	7.40	12.31	1.42
SZA	65.14	30.08	28.08	62.02	99.51	135.90	158.99	135.03	97.97	59.87	26.35
MODE	A										



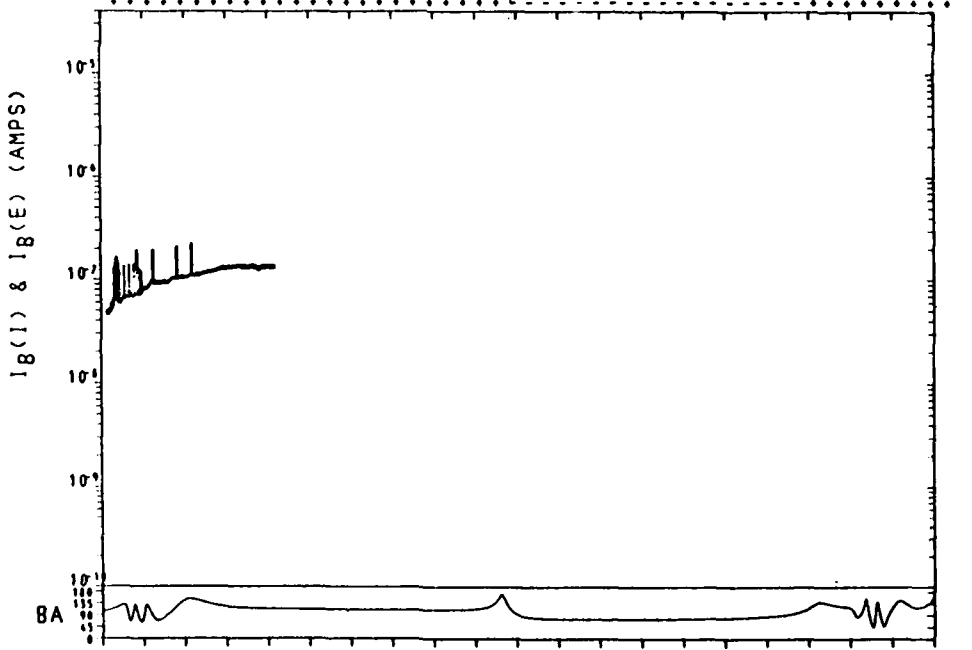
UT	0326:00	0336:00	0346:00	0356:00	0406:00	0416:00	0426:00	0436:00	0446:00	0456:00	0506:00
LT	1841:32	1052:50	1024:35	1005:20	0914:45	2329:27	2234:08	2214:52	2148:54	1532:59	1046:36
ALT	181.41	169.44	175.35	209.83	251.77	267.37	249.21	218.94	195.93	179.43	168.52
LAT	82.23	52.85	12.11	-28.46	-68.18	-69.82	-30.51	9.52	49.84	83.54	47.12
LOW	230.47	110.79	101.23	93.92	78.77	289.95	273.62	266.30	257.31	160.83	86.73
MLAT	80.12	41.50	0.86	-39.36	-76.70	-58.46	-19.54	19.93	58.97	73.81	36.50
L	60.02	2.11	1.00	1.74	15.24	3.07	1.20	1.17	4.05	20.97	1.75
SZA	71.22	34.98	24.31	56.13	93.51	130.32	158.17	140.49	104.04	65.87	30.64
MODE	A										



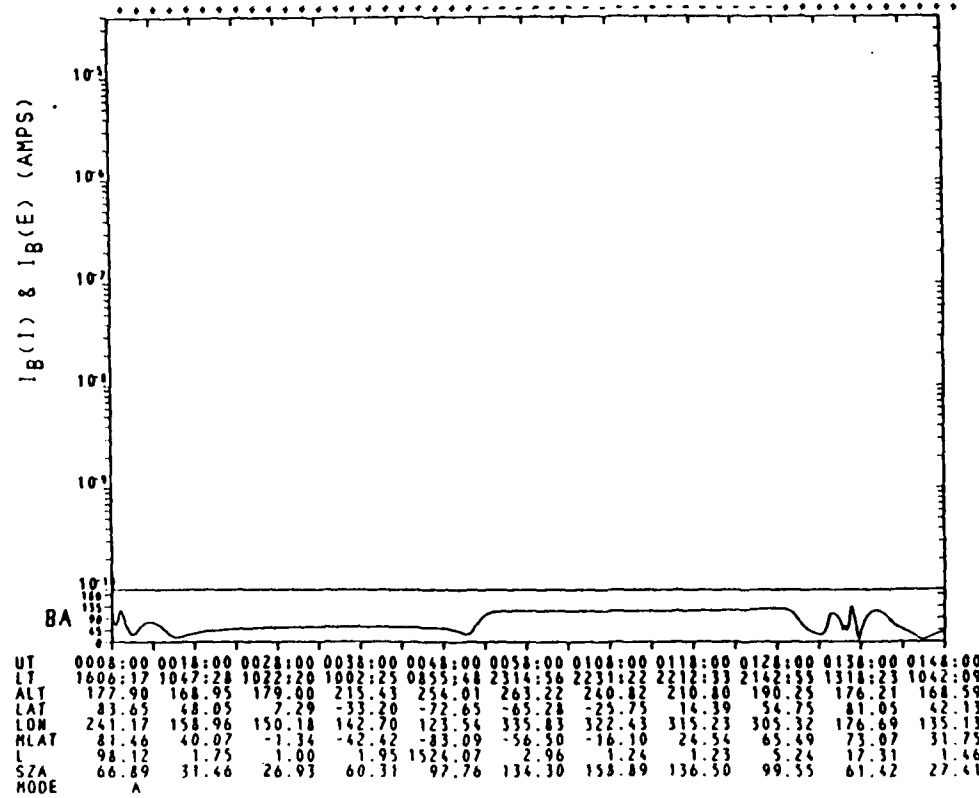
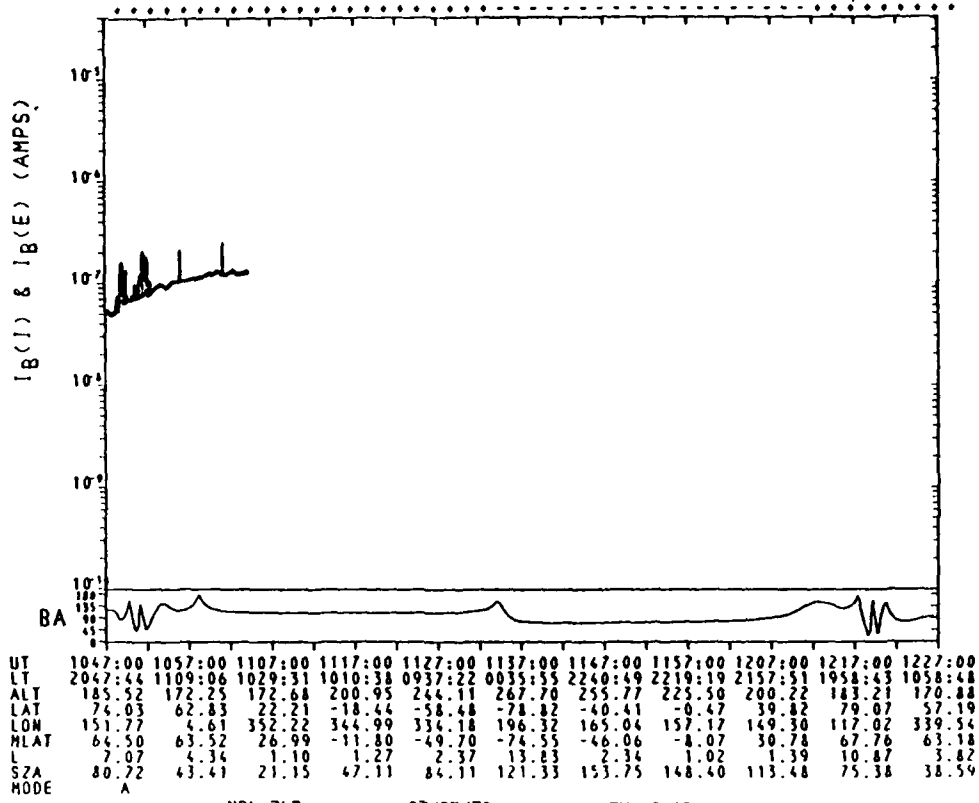
UT	0621:00	0631:00	0641:00	0651:00	0701:00	0711:00	0721:00	0731:00	0741:00	0751:00	0801:00
LT	2039:37	1106:31	1028:52	1010:01	0933:14	0221:51	2219:50	2218:45	2156:51	1940:04	1056:47
ALT	184.20	170.67	171.22	200.00	243.12	265.99	233.61	223.67	198.87	181.81	169.21
LAT	75.17	61.60	20.94	-19.71	-59.75	-77.73	-19.10	0.86	41.16	80.15	55.84
LOW	216.32	70.46	58.55	51.34	40.15	259.30	251.29	223.52	215.55	178.85	45.53
MLAT	74.25	52.14	13.55	-25.40	-61.89	-67.18	-32.51	5.47	43.36	72.58	49.68
L	15.99	3.32	1.03	1.36	4.40	5.62	1.51	1.03	1.86	15.83	2.60
SZA	79.52	42.50	21.31	48.26	85.35	122.55	154.53	147.39	112.19	74.07	37.43
MODE	A										



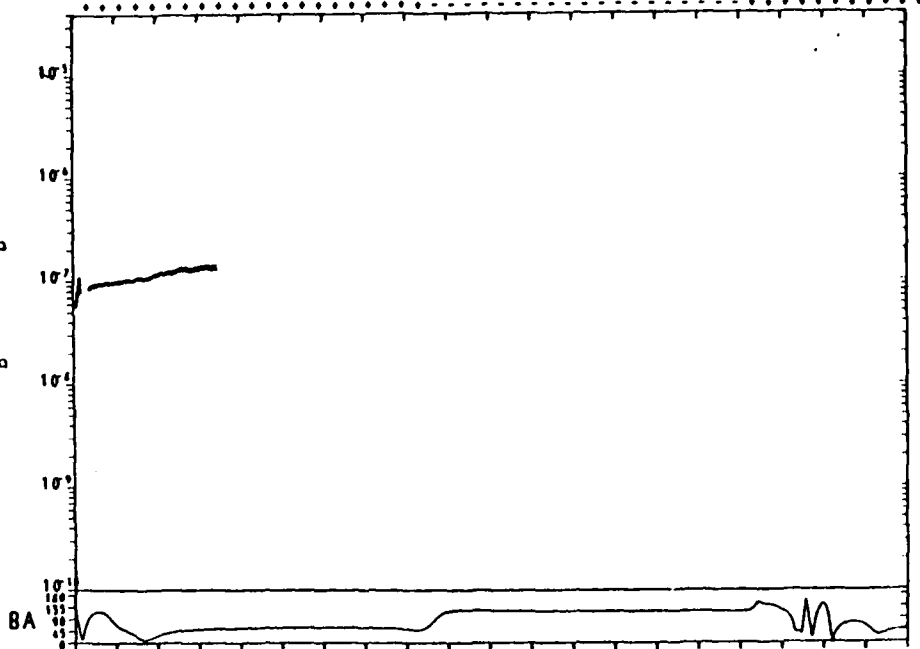
UT	0749:00	0759:00	0809:00	0819:00	0829:00	0839:00	0849:00	0859:00	0909:00	0919:00	0929:00
LT	2103:29	1116:38	1031:12	1012:09	0942:03	0122:42	2243:20	2220:44	2200:10	2030:48	1104:12
ALT	187.43	173.73	172.14	198.35	241.84	268.28	259.19	229.39	203.03	185.36	172.09
LAT	71.09	65.91	25.37	-15.30	-55.41	-81.21	-43.51	-3.63	36.63	76.29	60.39
LON	200.21	51.00	37.13	29.88	19.85	252.51	210.17	202.02	194.38	169.54	25.39
MLAT	68.19	58.52	21.45	-17.06	-53.91	-70.87	-40.41	-3.03	34.84	68.32	57.37
L	7.86	4.37	1.11	1.28	3.18	7.17	1.89	1.02	1.49	9.47	3.40
SZA	83.65	46.13	21.04	44.39	81.21	118.51	151.83	150.63	116.41	78.38	41.27
MODE	A										



UT	0918:00	0928:00	0938:00	0948:00	0958:00	1008:00	1018:00	1028:00	1038:00	1048:00	1058:00
LT	2058:21	1112:43	1030:21	1011:24	0939:50	0056:50	2242:04	2220:02	2159:03	2016:43	1101:25
ALT	186.47	172.98	172.37	199.61	242.98	268.02	257.50	227.48	201.61	184.28	171.47
LAT	72.55	64.39	23.81	-16.85	-56.93	-80.08	-41.98	-2.07	38.21	77.69	58.81
LON	176.17	27.76	14.68	7.44	357.05	223.80	187.60	179.60	171.85	143.77	2.64
MLAT	65.79	60.65	24.24	-14.19	-51.33	-72.12	-43.29	-3.85	32.33	67.40	60.28
L	6.98	4.25	1.08	1.32	2.75	9.06	2.09	1.02	1.41	9.74	3.47
SZA	82.21	44.78	21.04	45.73	82.64	119.90	152.80	149.54	114.96	76.90	39.94
MODE	A										

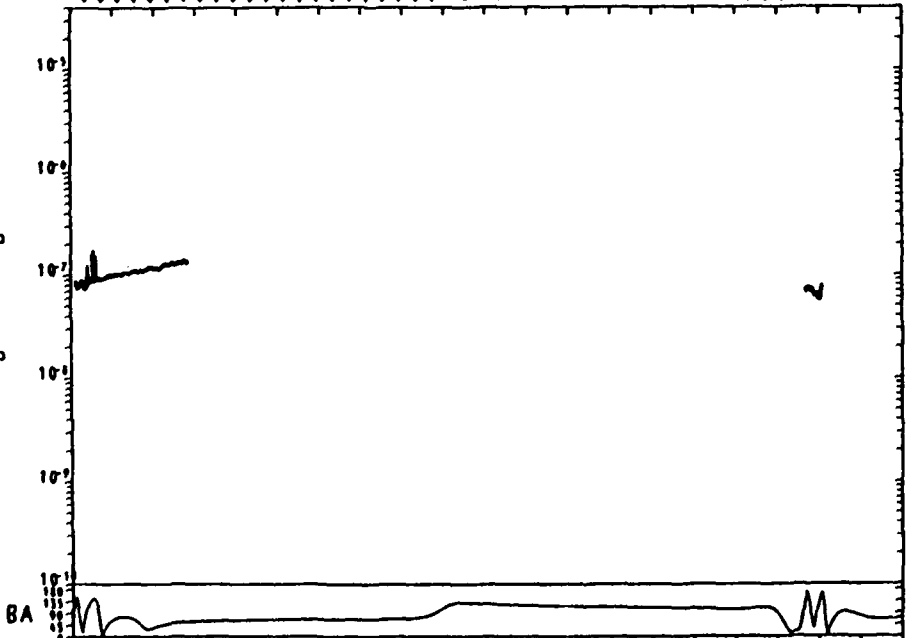


I_B(I) & I_B(E) (AMPS)



UT	0137:00	0147:00	0157:00	0207:00	0217:00	0227:00	0237:00	0247:00	0257:00	0307:00	0317:00
LT	1501:46	1045:41	1021:30	1001:14	0845:49	2310:35	2230:22	2211:40	2140:18	1248:19	1040:39
ALT	177.16	168.59	179.97	217.08	254.75	-262.14	238.62	208.87	188.99	175.23	168.42
LAT	83.29	46.20	5.45	-35.02	-74.33	-63.52	-23.92	16.24	56.60	79.62	40.25
LOW	202.78	136.26	127.72	120.15	98.80	312.49	299.94	292.76	282.42	146.92	112.51
MLAT	77.18	35.88	-5.34	-46.15	-85.05	-52.82	-12.74	27.58	67.84	69.43	28.91
L	33.45	1.63	1.00	2.21	65.52	2.45	1.15	1.40	7.59	12.04	1.40
SZA	65.19	30.14	28.09	61.98	99.45	135.86	158.92	134.91	97.81	59.70	26.27
MODE	A										

I_B(I) & I_B(E) (AMPS)



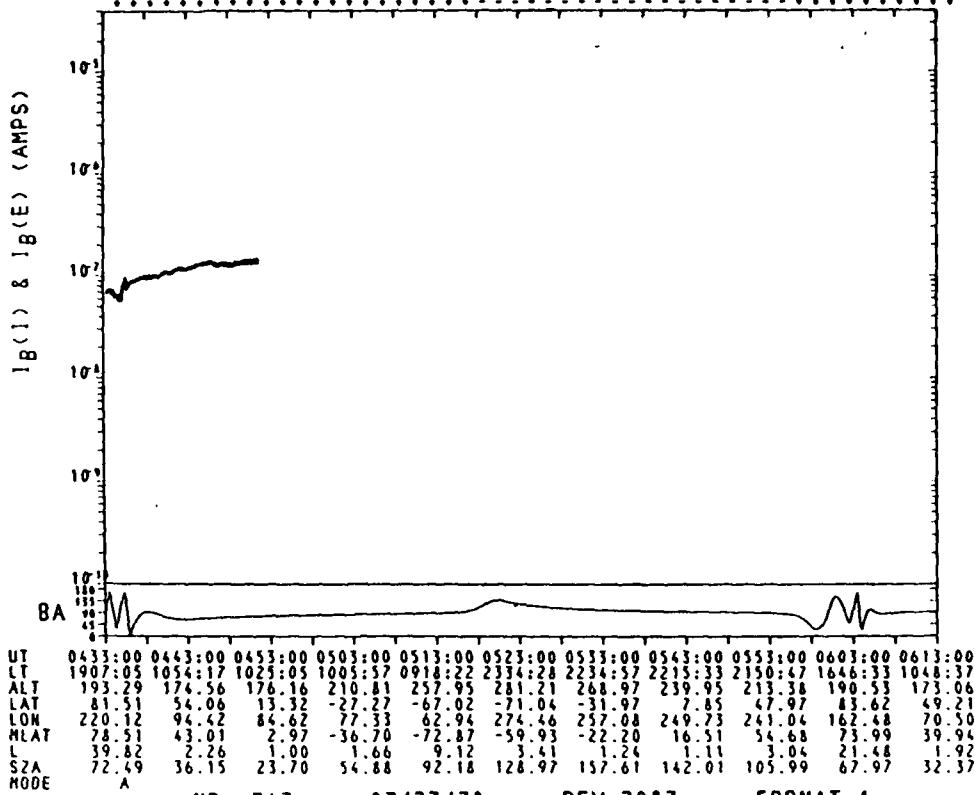
UT	0305:00	0315:00	0325:00	0335:00	0345:00	0355:00	0405:00	0415:00	0425:00	0435:00	0445:00
LT	1740:27	1050:20	1031:34	1004:03	0907:33	2322:46	2235:02	2214:05	2147:20	1451:32	1045:25
ALT	191.87	173.83	177.88	214.84	261.47	-281.99	267.60	238.31	212.05	189.17	172.57
LAT	83.25	50.77	10.02	-30.54	-70.13	-67.08	-28.76	11.07	51.19	83.18	45.95
LOW	220.46	115.43	104.23	98.86	82.23	293.54	278.60	271.37	262.18	155.73	91.70
MLAT	79.10	39.47	-1.33	-41.68	-78.99	-56.64	-17.59	21.85	60.90	73.20	35.04
L	49.22	1.94	1.00	1.87	20.13	2.83	1.18	1.22	4.65	19.36	1.67
SZA	69.40	33.54	25.35	57.86	93.23	131.83	158.47	139.33	102.94	64.92	29.99
MODE	A										

NRL 747

07/23/78

REV 2086

FORMAT A

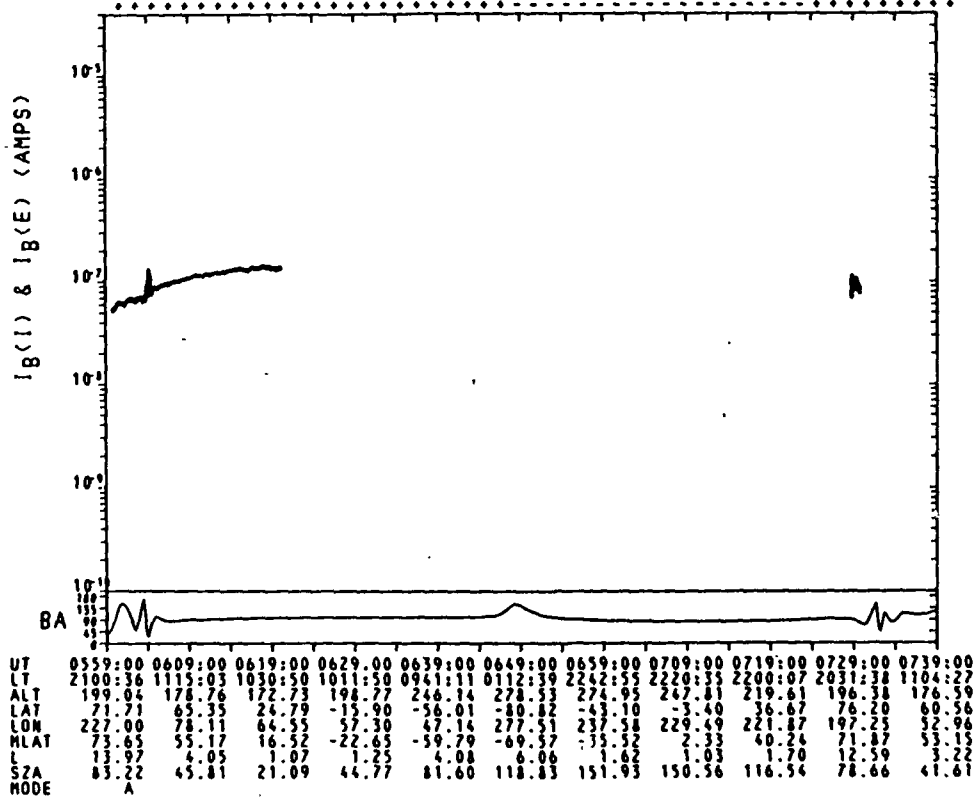


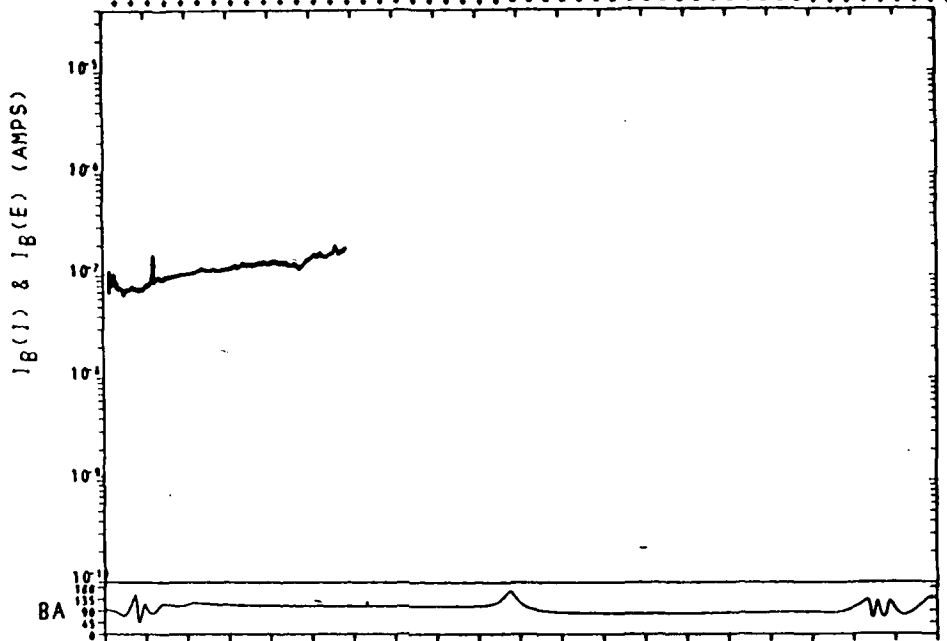
NRL 747

07/23/78

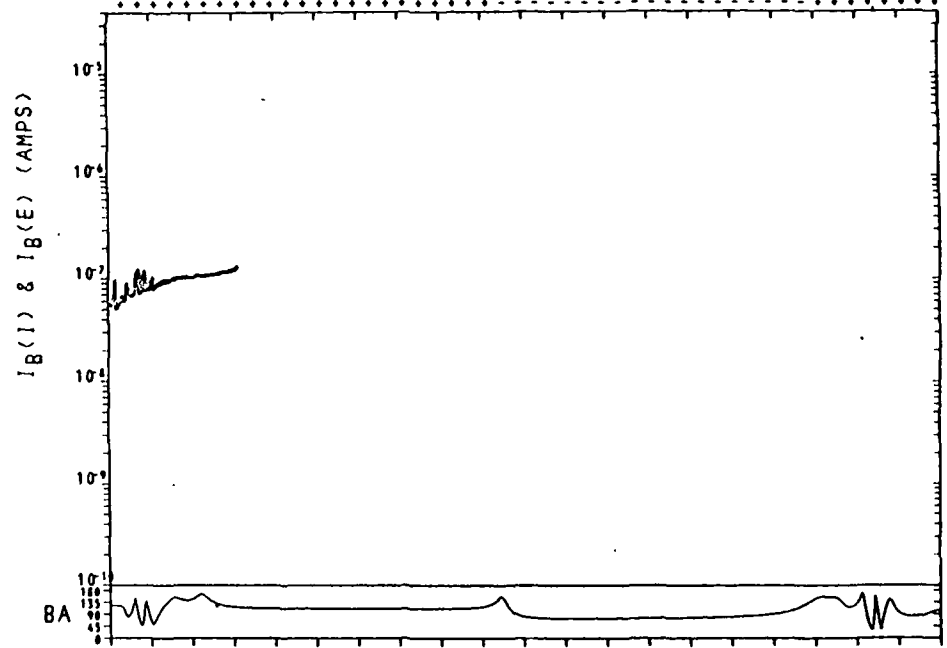
REV 2087

FORMAT A

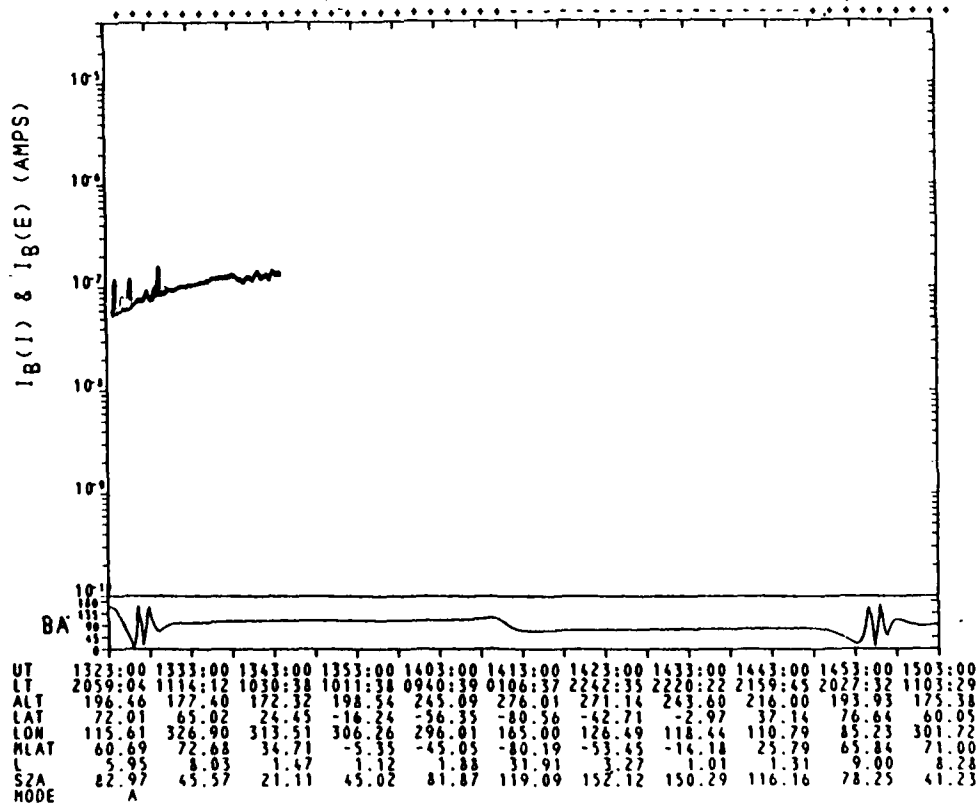
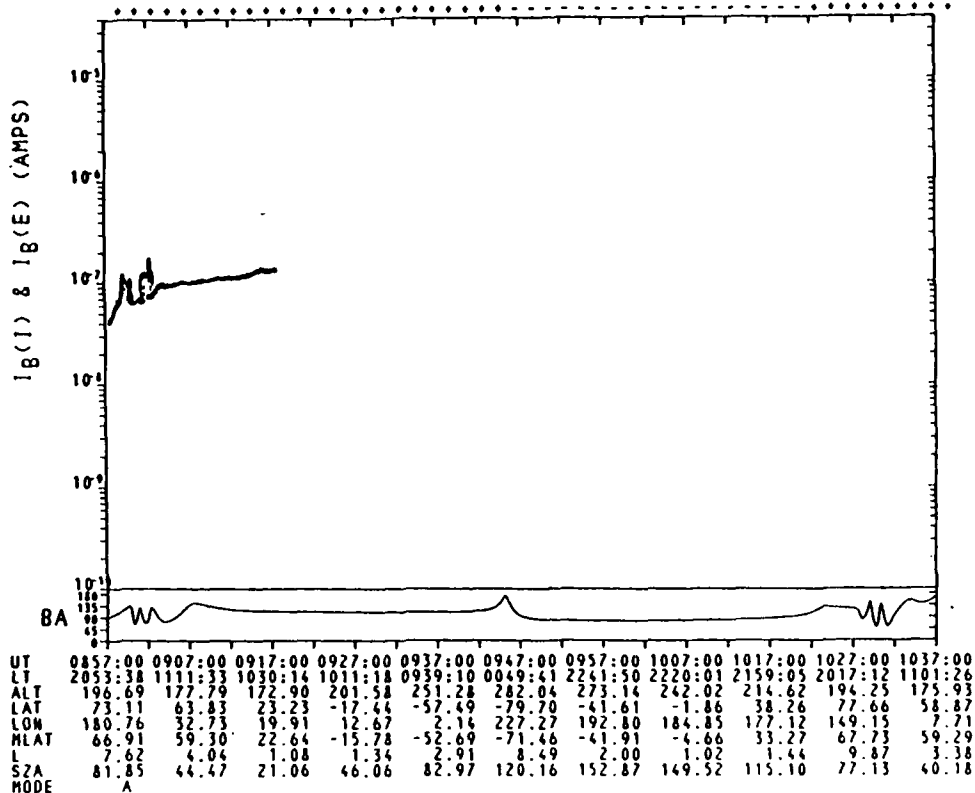


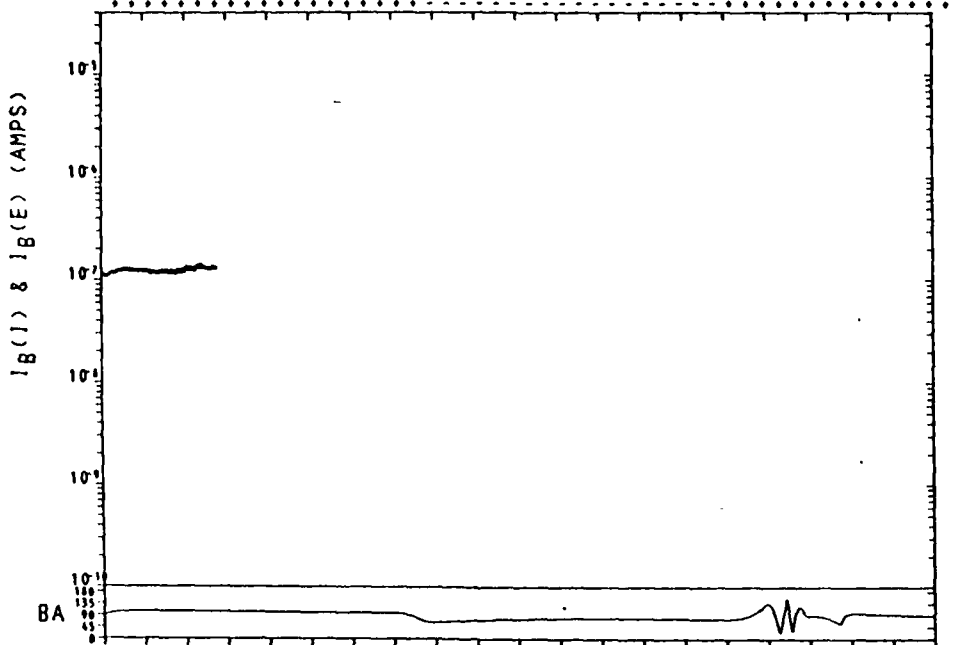


UT	0728:00	0738:00	0748:00	0758:00	0808:00	0818:00	0828:00	0838:00	0848:00	0858:00	0908:00
LT	2056:49	1113:04	1030:24	1011:26	0940:01	0059:50	2242:16	2220:13	2159:31	2024:41	1102:56
ALT	198.20	178.33	173.06	199.68	246.82	278.20	273.61	246.19	218.30	195.48	176.24
LAT	72.46	64.56	23.99	-16.69	-56.78	-80.24	-42.31	-2.59	37.49	76.94	59.73
LON	203.80	53.36	42.20	34.96	24.60	252.06	215.16	207.15	199.48	173.27	30.33
MLAT	69.95	56.68	19.20	-19.41	-56.10	-69.99	-38.34	-1.01	36.66	69.30	55.88
L	9.44	4.00	1.09	1.30	3.44	6.76	1.77	1.02	1.56	10.43	3.24
SZA	82.48	45.12	21.09	45.45	82.33	119.53	152.42	150.00	115.79	77.89	40.91
MODE	A										

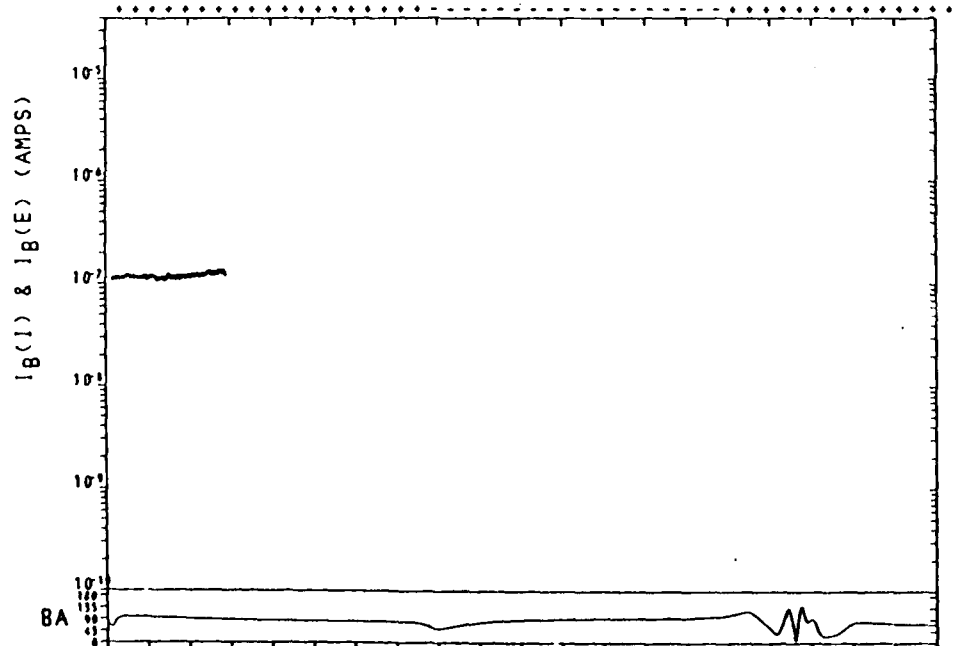


UT	1026:00	1036:00	1046:00	1056:00	1106:00	1116:00	1126:00	1136:00	1146:00	1156:00	1206:00
LT	2047:31	1109:08	1029:28	1010:32	0937:06	0032:57	2240:23	2218:57	2157:23	1954:53	1058:09
ALT	196.77	177.14	170.30	193.05	235.20	260.06	250.07	223.87	204.65	190.90	174.97
LAT	74.06	62.87	22.26	-18.43	-58.58	-78.62	-40.07	-0.10	40.16	79.30	56.96
LON	156.98	9.88	357.46	350.23	339.37	200.84	170.19	162.34	154.44	121.32	344.63
MLAT	64.99	62.54	26.07	-12.65	-50.41	-73.77	-44.80	-6.91	31.73	68.06	62.01
L	7.21	4.21	1.09	1.30	2.47	12.43	2.22	1.01	1.41	11.14	3.58
SZA	80.89	43.64	21.19	46.96	84.02	121.35	153.76	148.20	113.32	75.30	38.60
MODE	A										

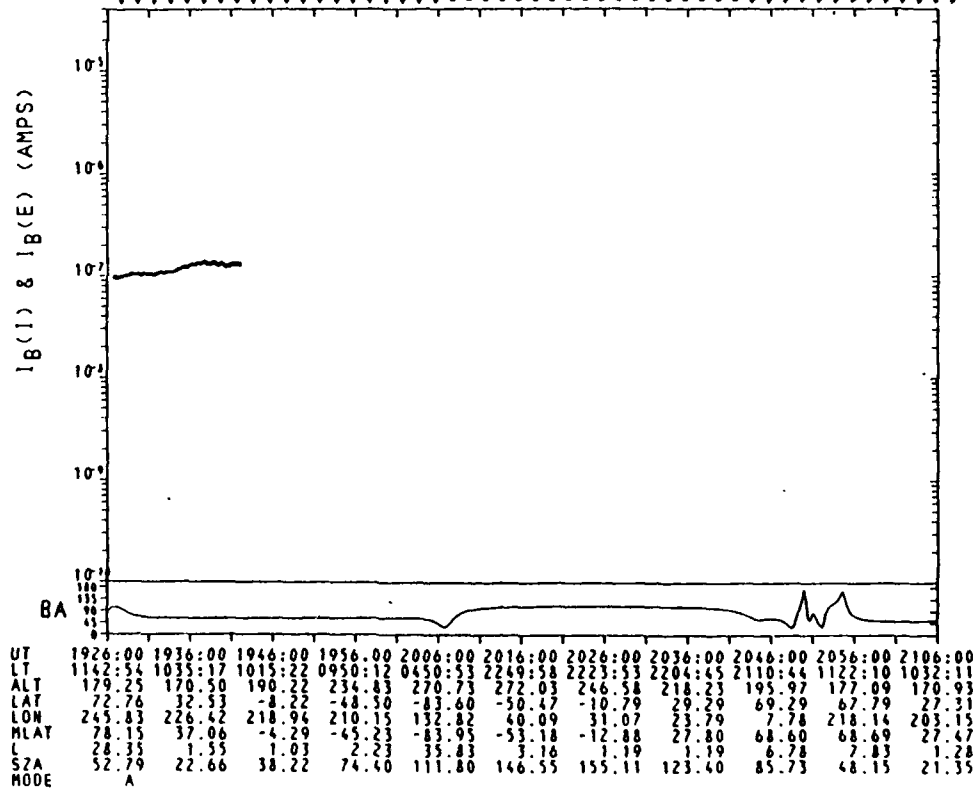
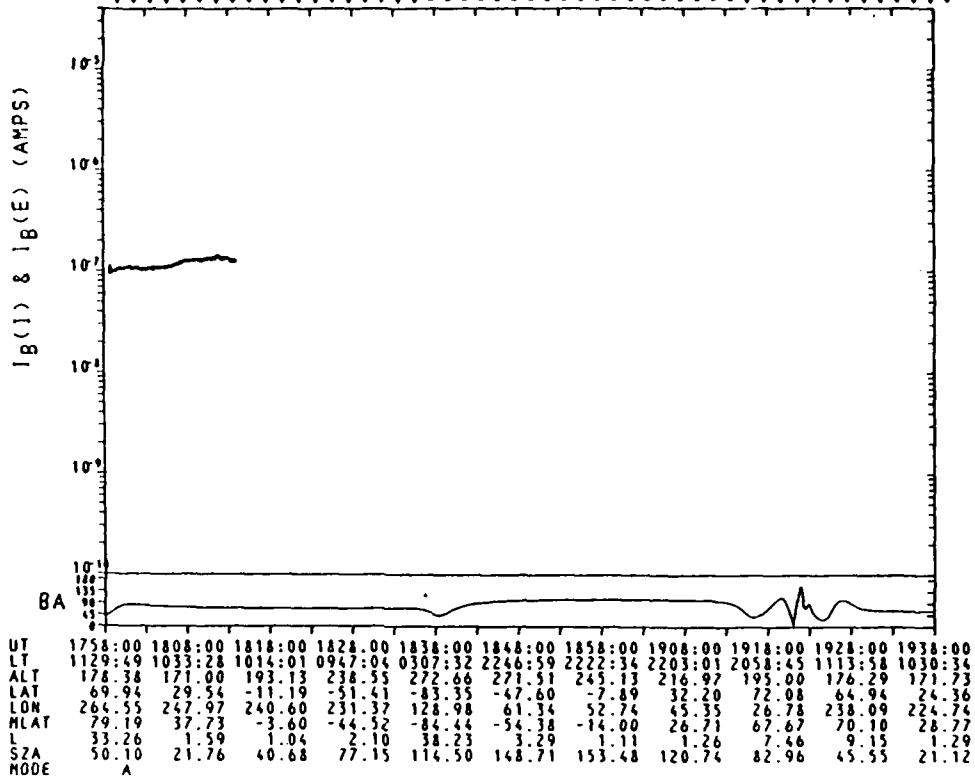


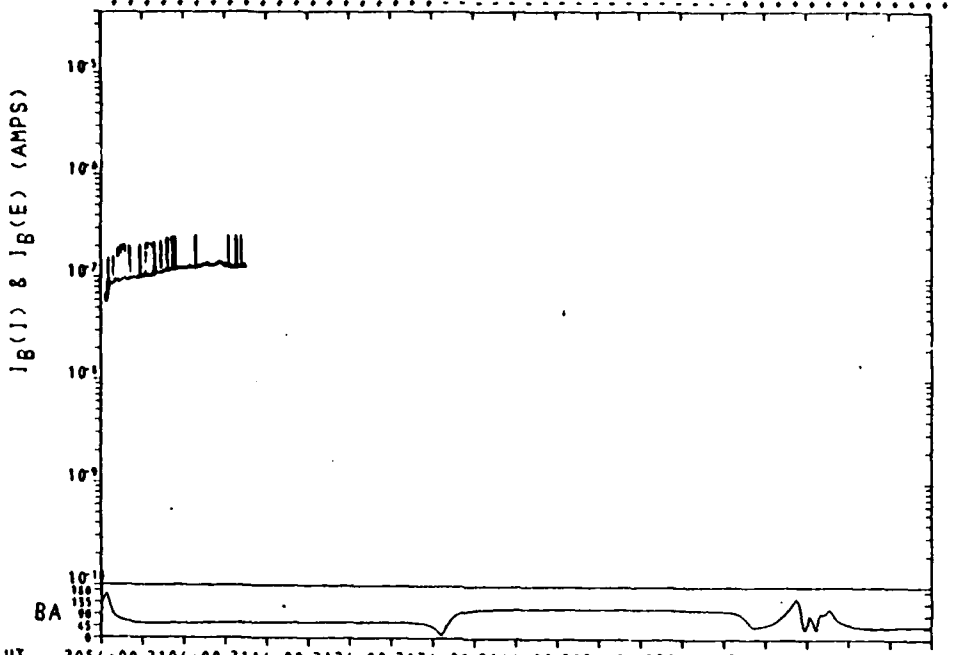


UT	1502:00	1512:00	1522:00	1532:00	1542:00	1552:00	1602:00	1612:00	1622:00	1632:00	1642:00
LT	1111:48	1030:06	1011:10	0939:33	0051:44	2241:47	2219:56	2159:03	2018:28	1101:42	1027:30
ALT	176.66	172.45	199.44	245.90	275.93	269.98	242.06	214.72	192.80	174.69	173.84
LAT	64.05	23.46	-17.22	-57.31	-79.82	-41.74	-1.98	38.14	77.54	59.04	18.36
LON	304.05	291.12	283.89	273.40	139.03	104.05	96.08	88.36	60.72	279.02	267.97
MLAT	74.79	34.82	-5.91	-46.29	-84.40	-53.04	-13.03	27.45	68.31	70.12	28.87
L	11.57	1.61	1.09	1.98	81.09	3.15	1.00	1.35	10.41	9.46	1.35
SZA	44.73	21.12	45.87	82.77	119.97	152.73	149.60	115.24	77.31	40.38	21.89
MODE	A										

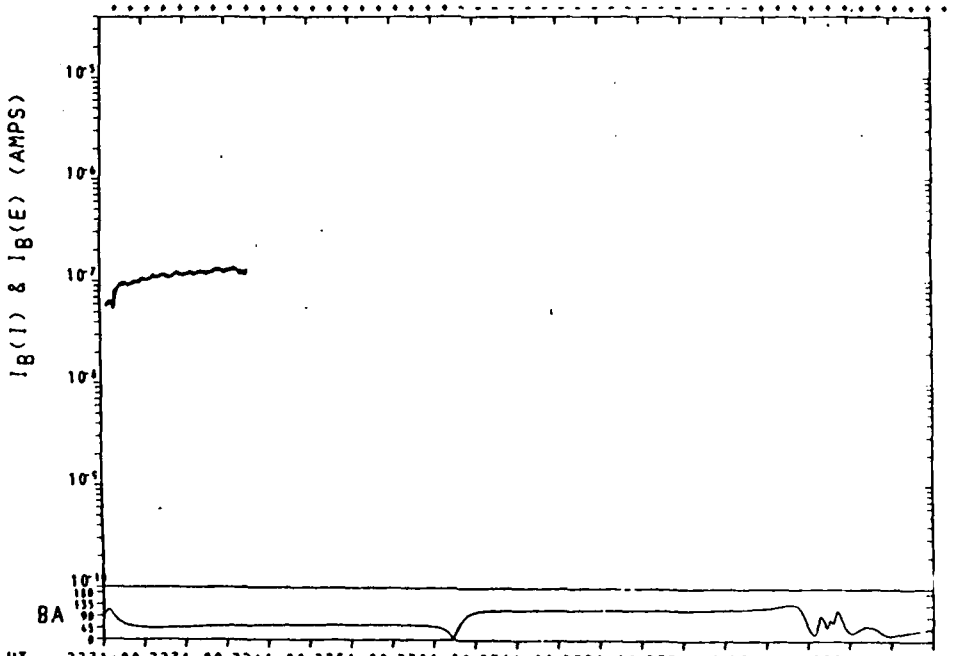


UT	1630:00	1640:00	1650:00	1700:00	1710:00	1720:00	1730:00	1740:00	1750:00	1800:00	1810:00
LT	1119:46	1031:45	1012:37	0943:27	0145:27	2244:16	2221:15	2201:07	2042:17	1107:16	1029:00
ALT	177.48	171.64	196.19	242.25	274.38	270.83	243.65	215.99	193.99	175.53	172.69
LAT	67.03	26.52	-14.19	-54.35	-81.94	-44.69	-4.96	35.15	74.84	62.02	21.38
LON	284.04	269.54	262.25	252.46	130.46	82.66	74.41	66.88	44.67	258.42	246.35
MLAT	78.29	37.12	-4.03	-44.82	-85.20	-54.55	-14.21	26.47	67.56	70.92	29.44
L	23.53	1.64	1.06	2.00	52.59	3.38	1.05	1.29	8.65	10.54	1.31
SZA	47.41	21.23	43.24	79.94	117.23	150.78	151.64	118.01	80.15	42.96	21.30
MODE	A										

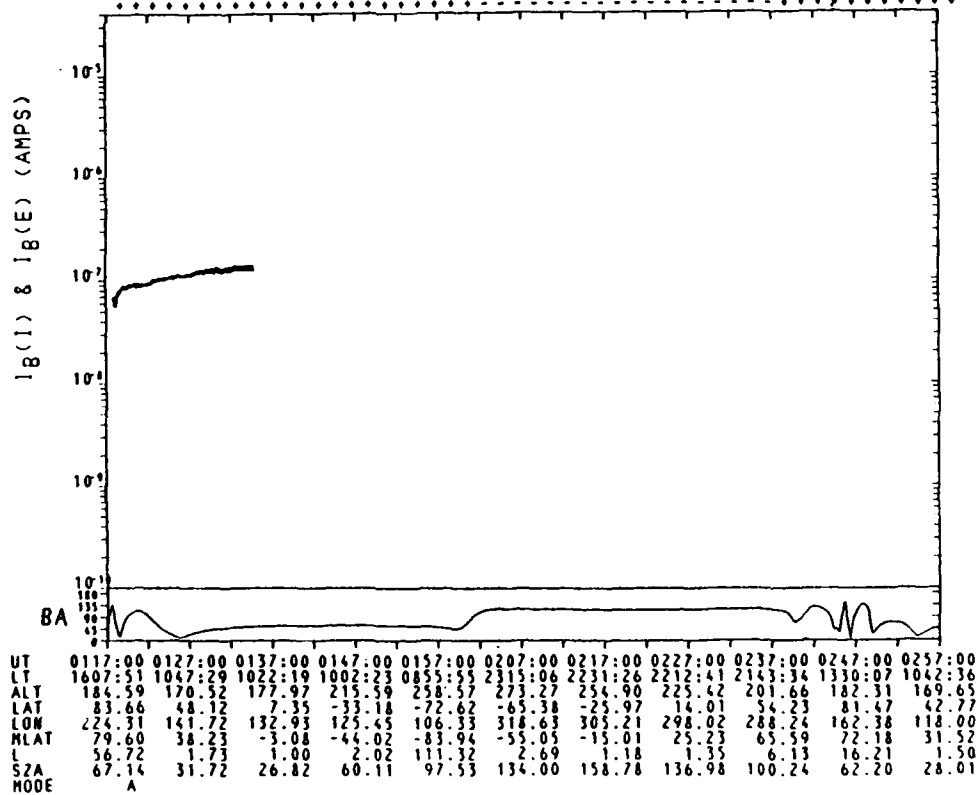
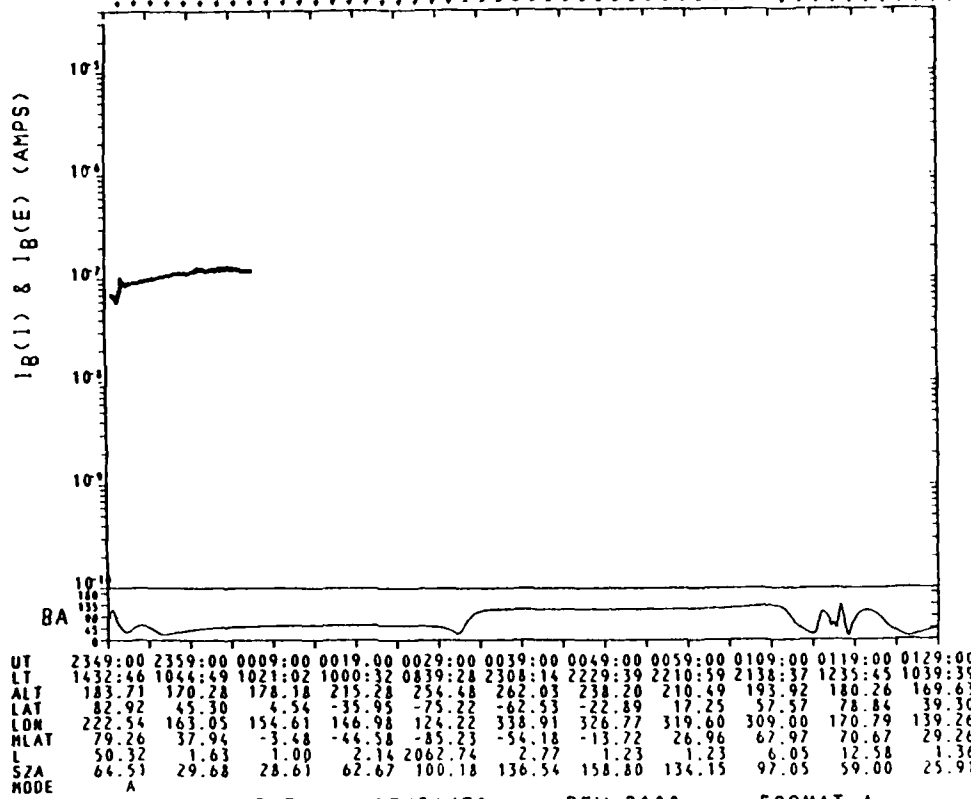


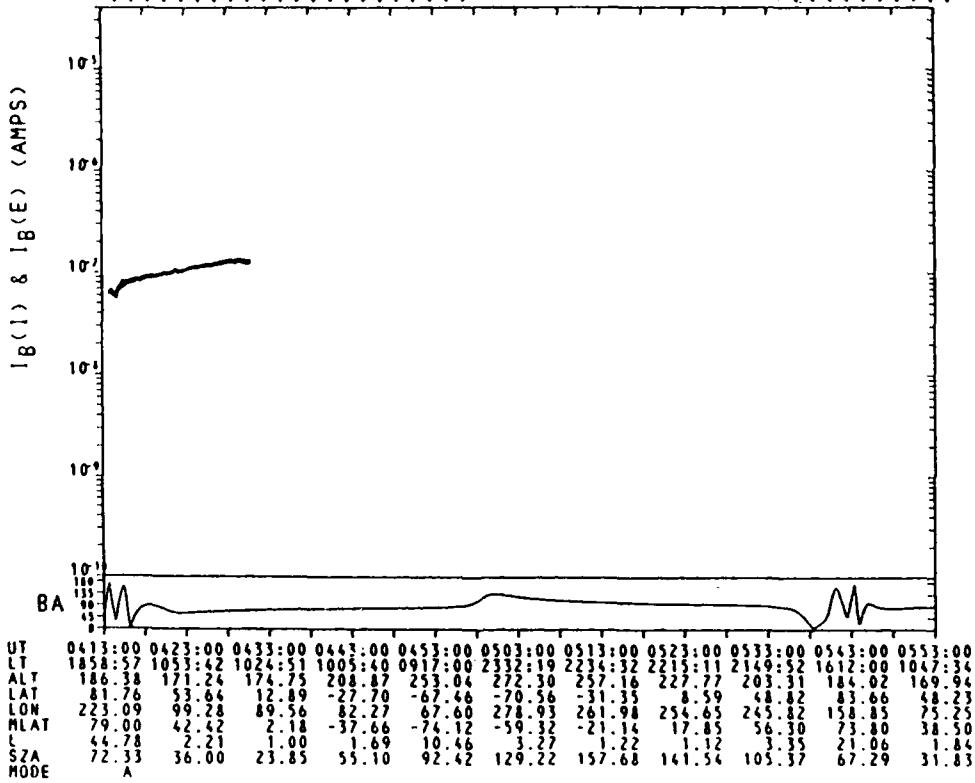
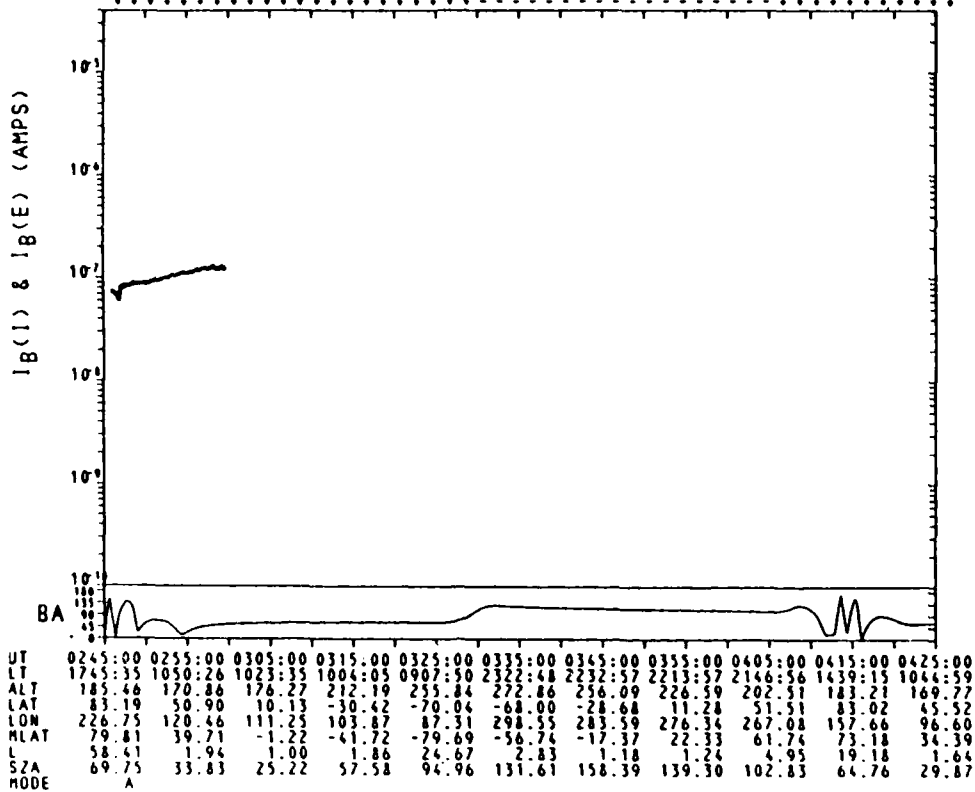


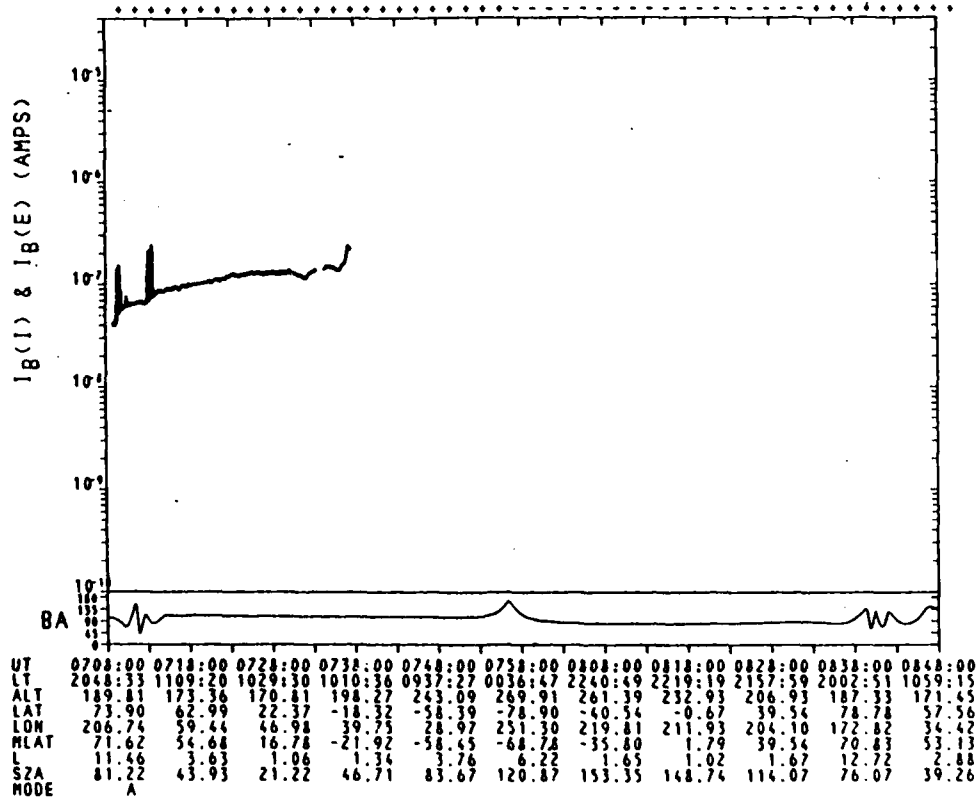
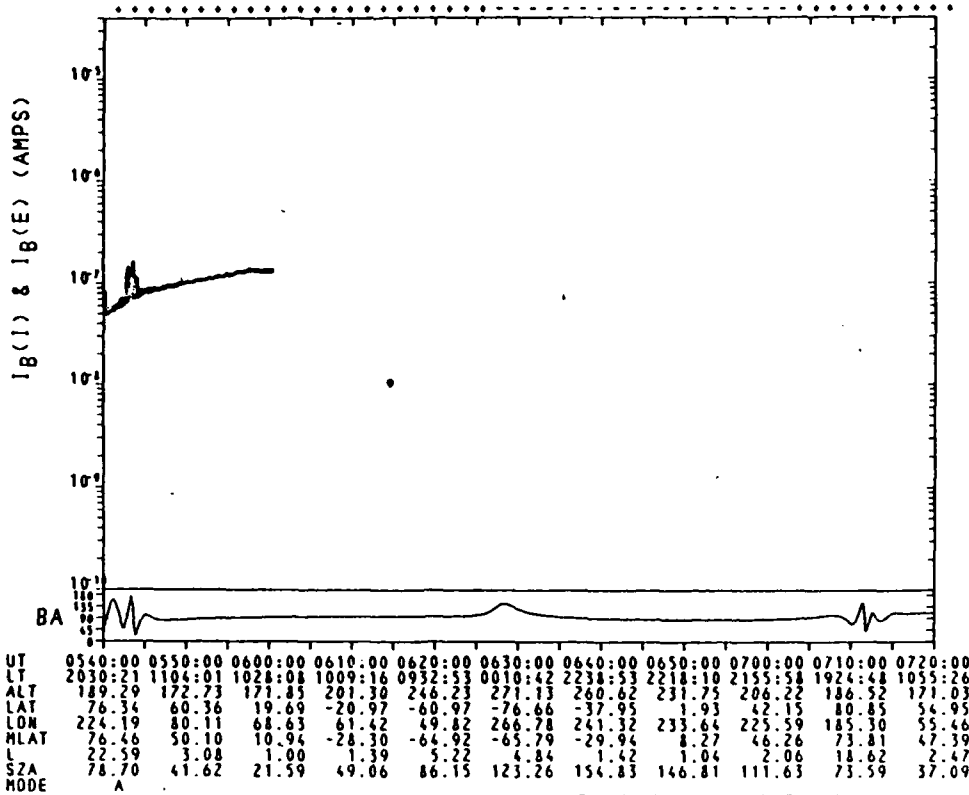
UT	2054:00	2104:00	2114:00	2124:00	2134:00	2144:00	2154:00	2204:00	2214:00	2224:00	2234:00
LT	1200:35	1037:11	1016:41	0952:38	0622:20	2253:18	2225:13	2206:23	2119:51	1132:29	1033:52
ALT	180.18	170.13	187.50	231.10	268.66	272.40	247.95	219.20	196.87	177.86	170.30
LAT	75.48	35.47	-5.29	-45.63	-82.63	-53.30	-13.65	26.42	66.50	170.58	30.21
LOW	228.25	204.90	197.27	188.84	133.68	18.93	9.41	2.20	348.06	198.72	181.57
MLAT	76.64	35.76	-5.60	-46.55	-84.46	-51.73	-11.44	29.23	70.04	67.50	26.19
L	22.73	1.51	1.02	2.37	43.85	2.99	1.26	1.15	6.64	7.35	1.25
SZA	55.46	23.87	35.85	71.69	109.13	144.33	156.47	126.02	88.46	50.74	21.95
MODE	A										

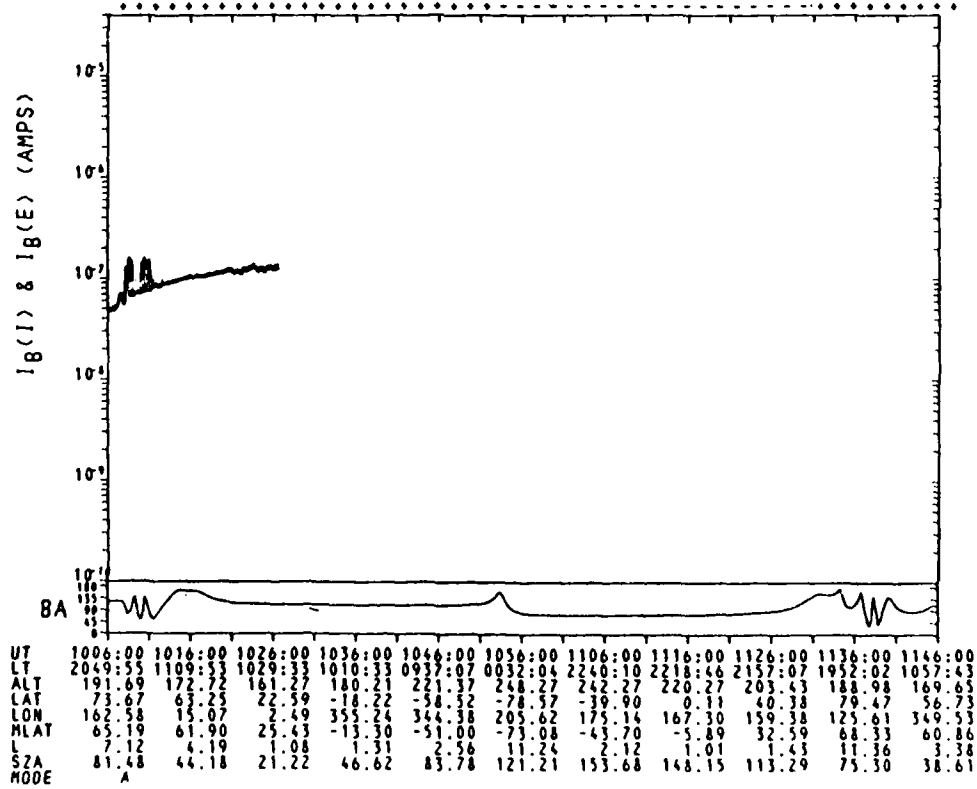
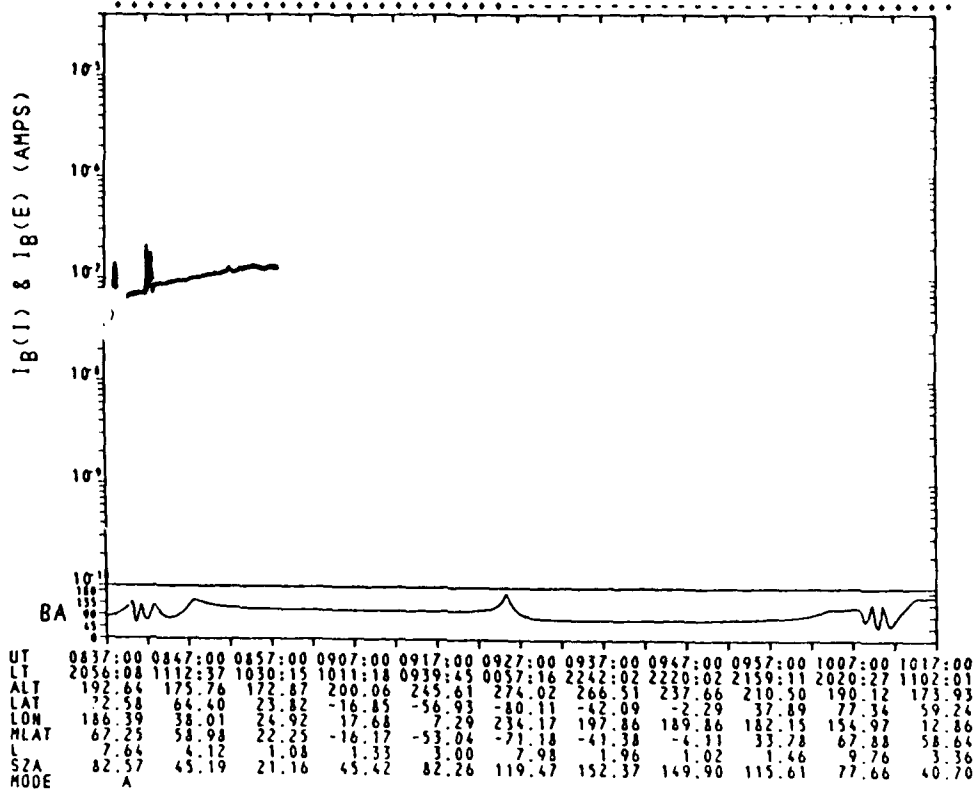


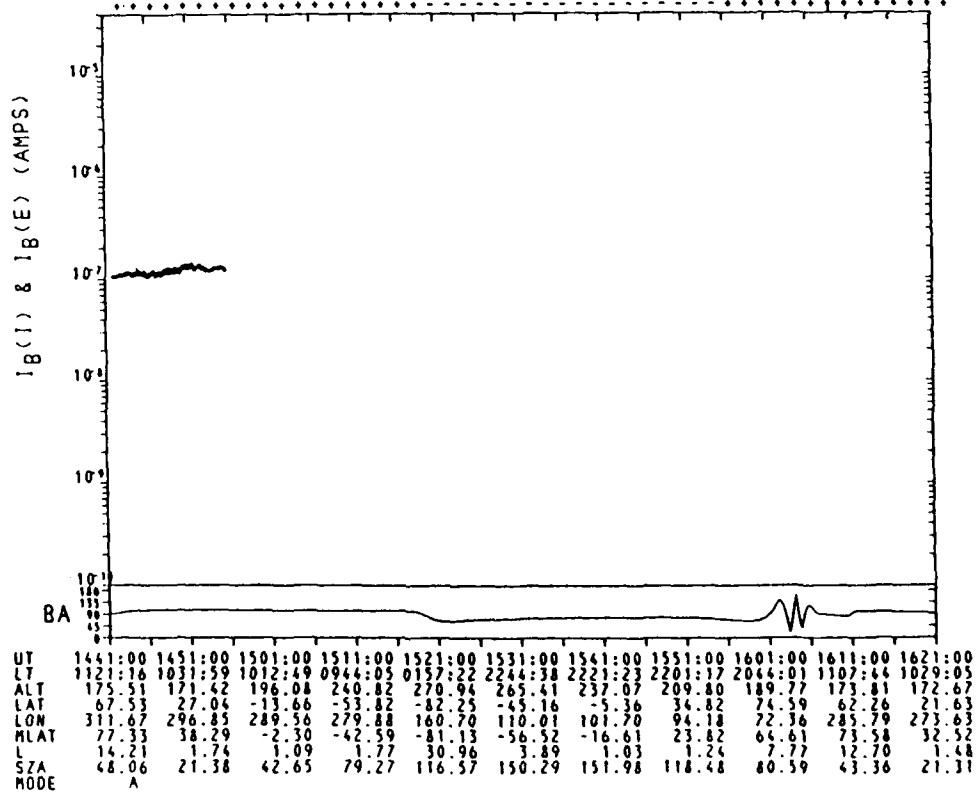
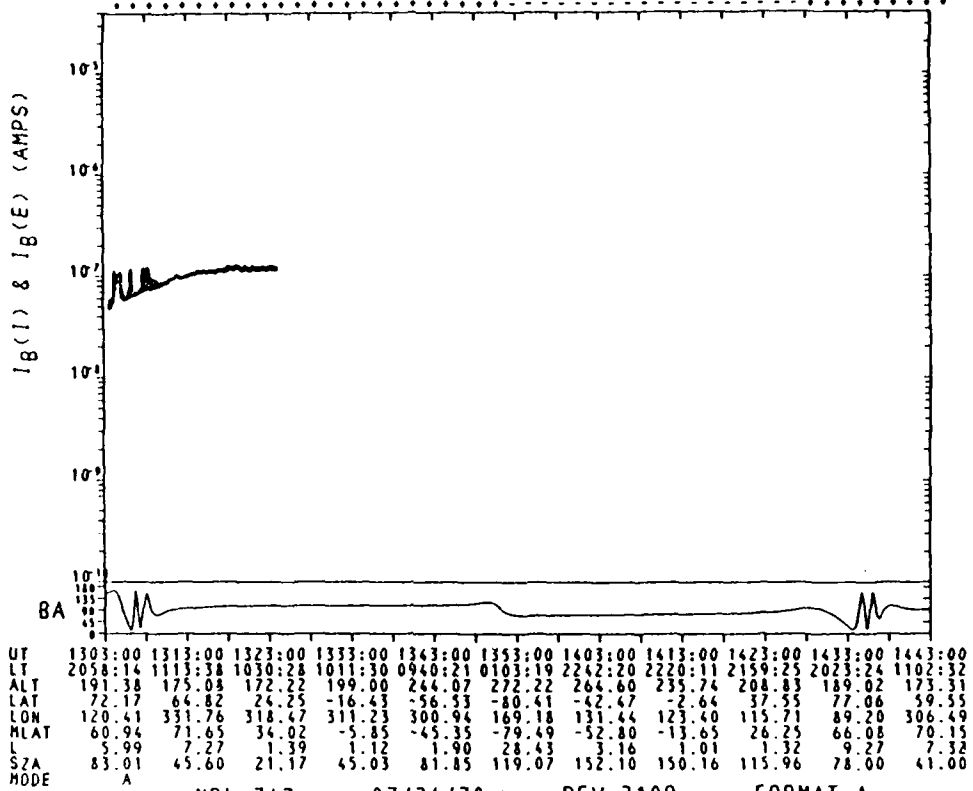
UT	2221:00	2231:00	2241:00	2251:00	2301:00	2311:00	2321:00	2331:00	2341:00	2351:00	0001:00
LT	1323:44	1042:21	1019:47	0958:34	0817:09	2303:22	2228:12	2209:59	2135:07	1213:55	1038:20
ALT	182.80	170.17	181.95	222.68	263.74	273.65	252.33	223.07	199.86	180.47	168.65
LAT	81.25	42.44	1.67	-38.78	-77.65	-59.98	-20.45	19.56	59.75	76.99	37.16
LOW	227.28	184.44	176.29	168.49	140.64	359.69	345.48	341.35	330.13	187.33	160.94
MLAT	79.43	38.62	-2.79	-43.86	-83.58	-54.66	-14.35	26.27	67.23	71.08	29.64
L	48.02	1.63	1.00	2.12	132.37	3.06	1.33	1.11	5.08	12.01	1.33
SZA	61.86	27.76	30.59	65.30	102.76	138.76	158.56	132.14	94.97	57.02	24.71
MODE	A										

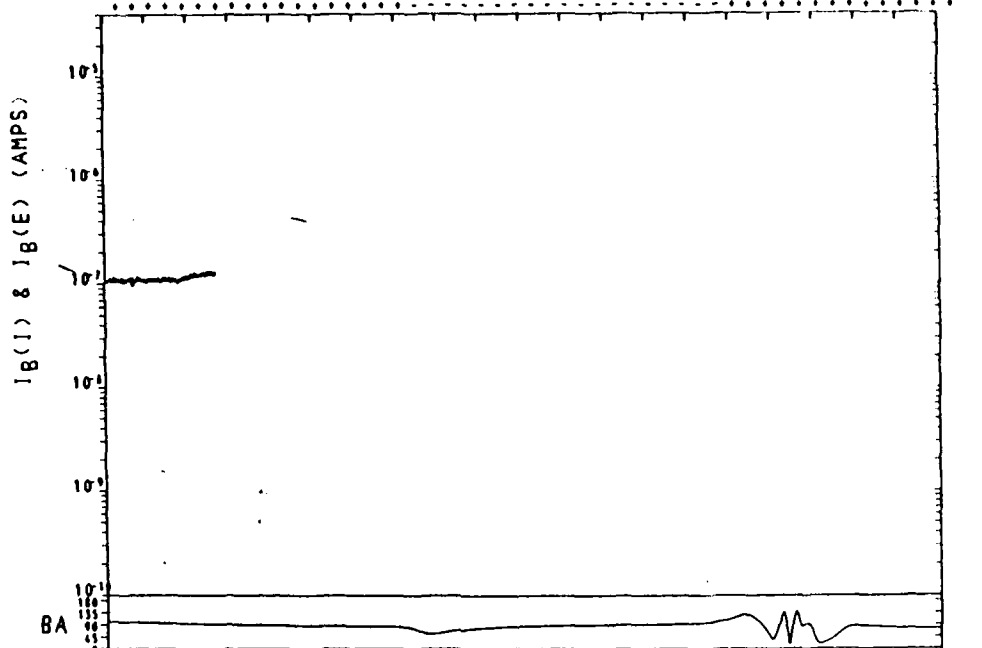




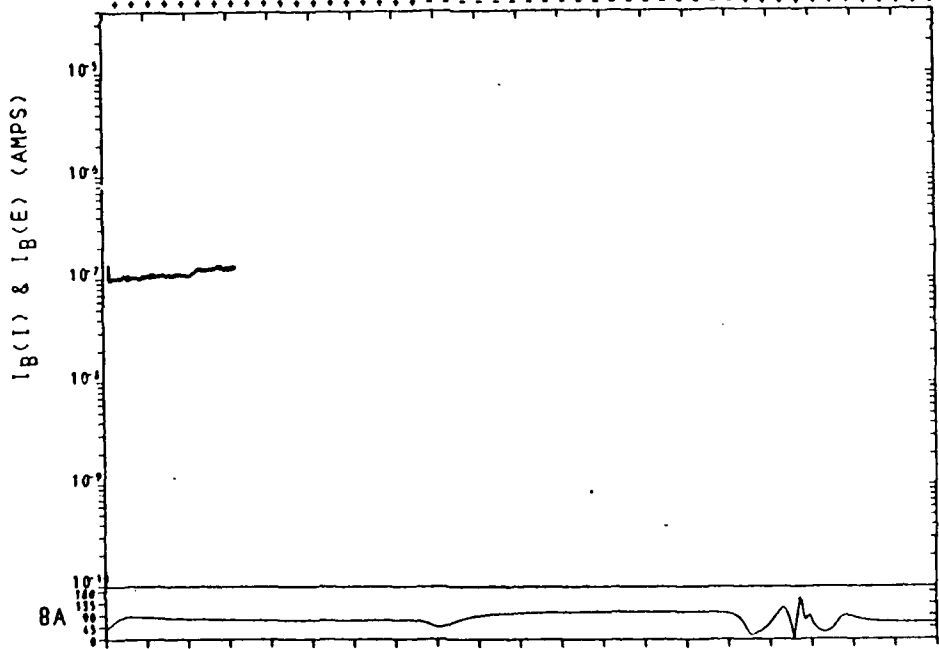




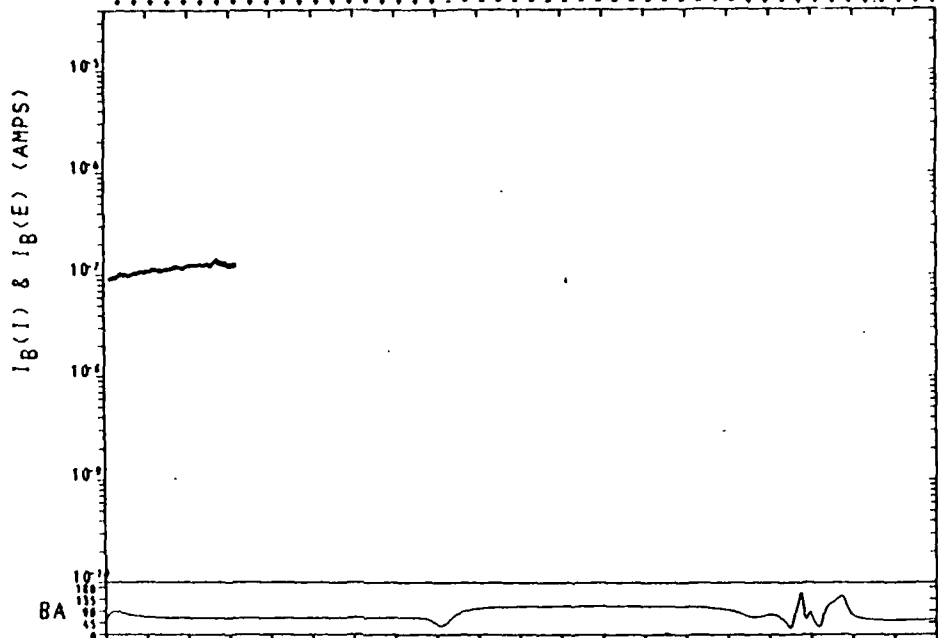




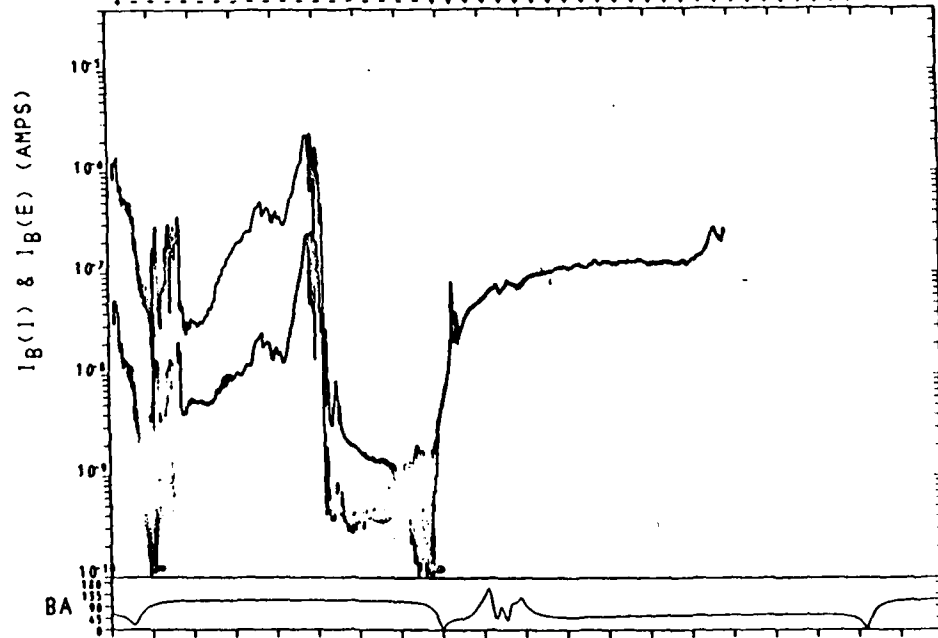
UT	1611:00	1621:00	1631:00	1641:00	1651:00	1701:00	1711:00	1721:00	1731:00	1741:00	1751:00
LT	1107:44	1029:05	1010:14	0936:20	0029:17	2240:18	2219:01	2157:29	1954:38	1058:12	1026:23
ALT	173.75	172.70	201.33	246.03	271.75	261.66	232.17	206.13	186.86	171.94	174.54
LAT	62.26	21.63	-19.03	-59.06	-78.35	-39.90	-0.03	40.19	79.33	56.90	16.19
LON	285.79	273.63	266.41	255.44	116.18	86.43	78.61	70.73	37.51	260.90	250.45
MLAT	73.58	32.52	-8.52	-49.19	-88.61	-50.18	-9.77	31.01	72.20	66.33	24.87
L	12.70	1.48	1.08	2.29	135.05	2.73	1.00	1.45	14.01	6.90	1.21
SZA	43.36	21.31	47.28	84.24	121.39	153.66	148.32	113.53	75.52	38.79	22.53
MODE	A										



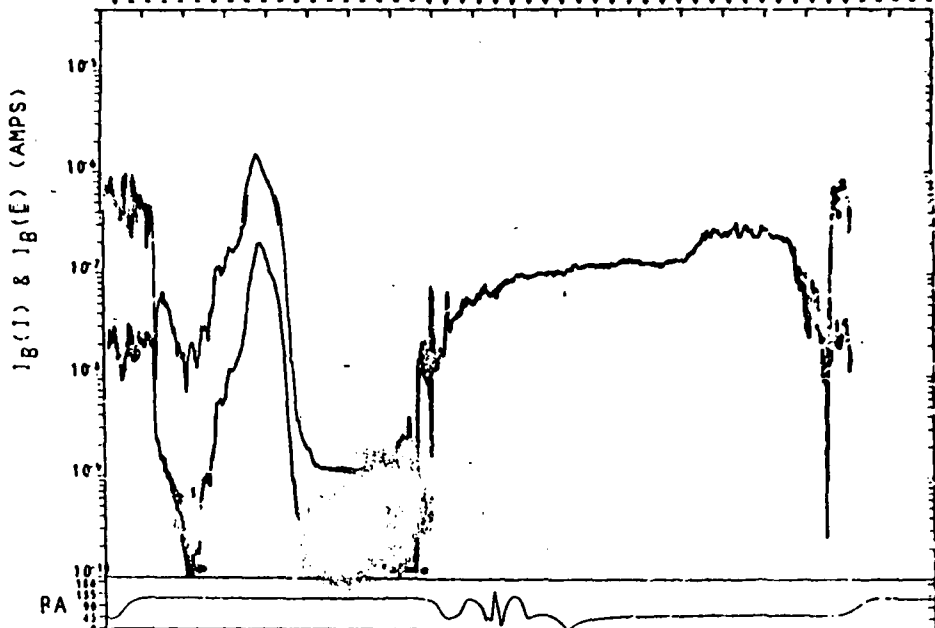
UT	1738:00	1748:00	1758:00	1808:00	1818:00	1828:00	1838:00	1848:00	1858:00	1908:00	1918:00
LT	1125:45	1032:46	1013:28	0945:46	0233:28	2245:50	2221:58	2202:09	2051:44	1110:33	1029:46
ALT	175.44	170.81	194.35	238.62	269.38	264.67	236.56	209.10	189.40	173.61	171.89
LAT	68.87	28.43	-12.28	-52.48	-82.94	-46.48	-6.68	33.51	73.37	63.55	22.94
LON	268.54	252.80	245.47	236.05	125.47	66.06	57.60	50.14	30.04	242.24	229.55
MLAT	78.78	37.29	-4.01	-44.90	-85.03	-54.06	-13.60	27.21	68.28	69.63	28.25
L	30.13	1.59	1.04	2.10	41.79	3.25	1.08	1.28	8.18	8.82	1.28
SZA	49.32	21.63	41.46	77.97	115.30	149.34	152.83	119.72	81.86	44.52	21.21
MODE	A										



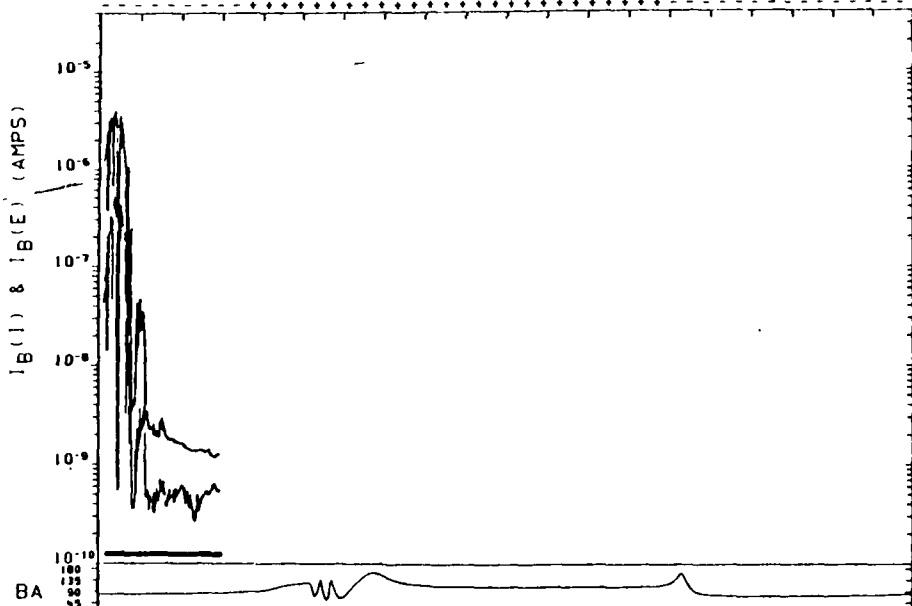
UT	1906:00	1916:00	1926:00	1936:00	1946:00	1956:00	2006:00	2016:00	2026:00	2036:00	2046:00
LT	1136:09	1034:21	1014:41	0948:44	0400:33	2248:24	2223:09	2203:46	2104:13	1117:05	1031:11
ALT	176.01	170.16	191.65	235.34	267.80	265.21	237.78	209.92	190.05	174.09	170.97
LAT	71.43	31.10	-9.62	-49.87	-81.65	-49.05	-9.28	30.49	70.90	66.12	25.58
LOW	249.14	231.19	223.78	214.79	125.24	44.70	35.89	28.55	11.16	221.88	207.90
MLAT	77.76	36.54	-4.80	-45.71	-84.47	-52.73	-12.32	28.45	69.33	67.97	26.72
L	26.20	1.53	1.03	2.25	33.94	3.10	1.15	1.22	7.53	7.27	1.26
SZA	51.72	22.32	39.23	75.50	112.88	147.43	154.35	122.12	84.34	46.83	21.25
MODE	A										



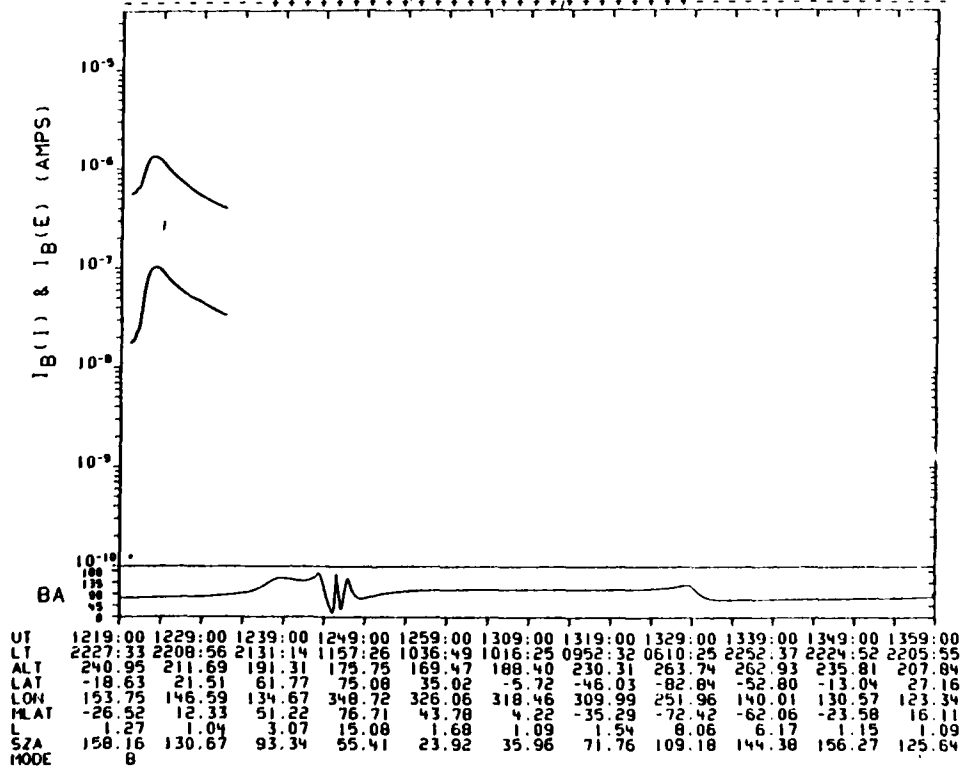
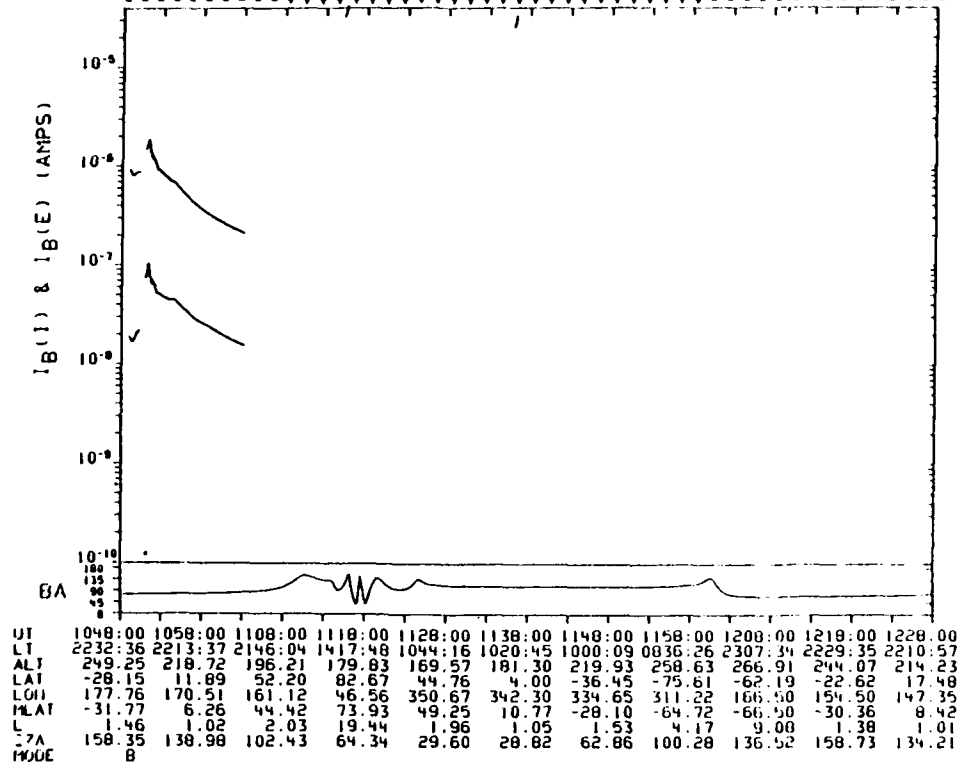
UT	2112:00	2122:00	2132:00	2142:00	2152:00	2202:00	2212:00	2222:00	2232:00	2242:00	2252:00
LT	0811:51	2302:20	2228:10	2209:36	2133:43	1207:03	1037:44	1017:01	0953:42	0843:36	2334:15
ALT	261.21	258.49	245.09	215.67	194.37	177.66	169.23	186.80	228.81	264.16	265.93
LAT	-78.10	-59.43	-19.83	20.26	60.51	76.26	36.33	-4.43	-44.77	-82.17	-56.07
LOW	166.57	24.69	-15.65	8.50	357.03	212.87	188.04	180.36	172.03	122.01	2.17
MLAT	-78.91	-58.97	-18.70	21.99	62.90	74.43	33.34	-8.03	-49.00	-85.91	-49.44
L	32.79	3.83	1.41	1.06	3.99	16.83	1.43	1.02	2.66	49.14	2.68
SZA	103.06	139.04	158.42	131.67	94.42	56.47	24.44	35.03	70.70	108.13	143.49
MODE	A										

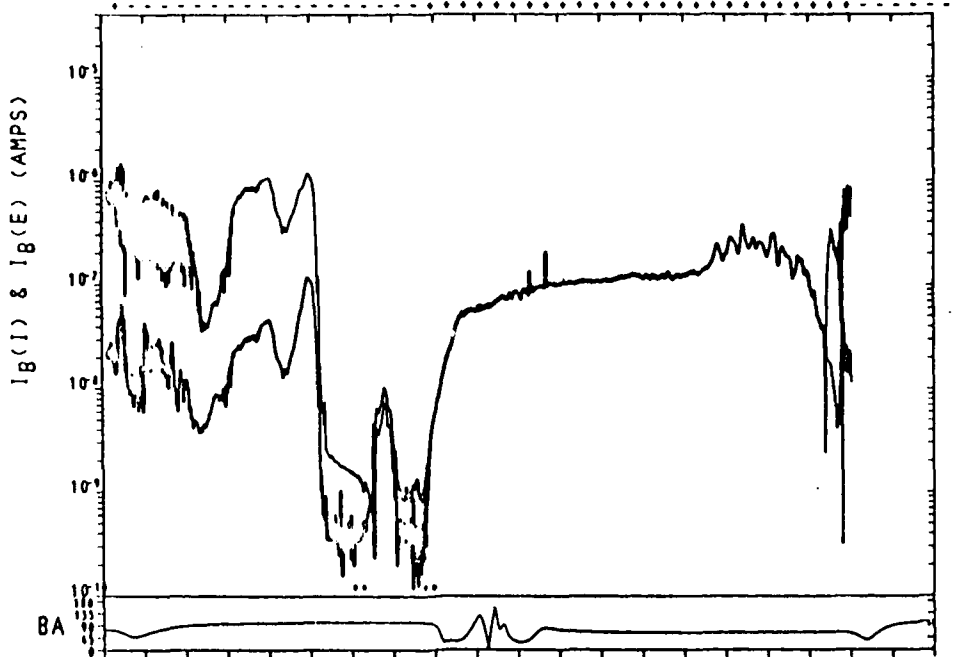


UT	0136:00	0148:00	0158:00	0208:00	0218:00	0228:00	0238:00	0248:00	0258:00	0308:00	0318:00
LT	0850:14	2301:25	2227:53	2209:18	2132:34	1202:15	1037:17	1126:44	0931:09	0627:41	2251:26
ALT	259.91	266.20	242.32	213.19	197.53	176.26	168.66	186.67	224.45	262.83	463.53
LAT	-78.84	-58.91	-19.27	20.85	61.11	75.70	35.70	-5.76	-45.40	-82.51	-53.42
LOM	98.66	319.94	309.06	301.93	290.25	145.17	32.70	113.72	105.39	51.93	293.45
PLAT	-87.88	-48.76	-8.54	31.91	72.47	65.59	24.56	-16.58	-5.72	-30.30	-47.11
L	54.83	2.19	1.14	1.50	10.80	1.07	1.26	1.02	3.91	14.23	1.75
SZA	103.51	159.45	158.31	131.18	95.89	55.94	24.17	35.55	71.74	108.69	143.97
MODE	A										

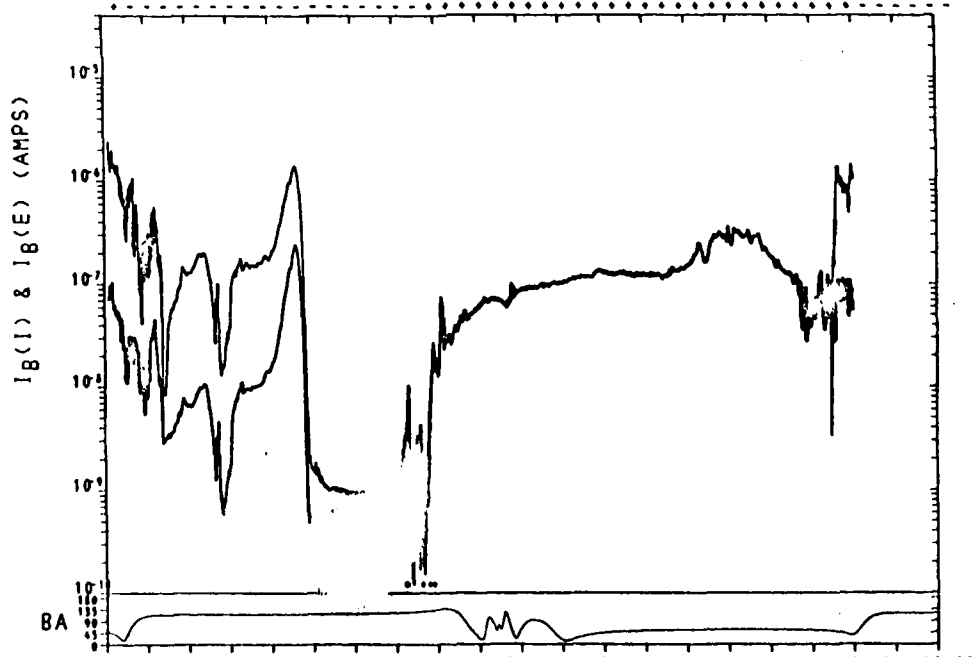


UT	0921:00	0931:00	0941:00	0951:00	1001:00	1011:00	1021:00	1031:00	1041:00	1051:00	1101:00
LT	2229:06	2210:30	2136:54	1223:31	1039:00	1017:50	0955:16	0721:58	2256:42	2226:21	2207:39
ALT	245.10	215.16	193.87	177.83	169.74	186.31	227.60	263.18	265.51	239.86	210.91
LAT	-21.68	18.42	58.69	77.88	38.17	-2.57	-42.93	-80.96	-55.88	-16.18	23.97
LOM	198.63	191.48	180.58	39.74	11.11	3.32	355.17	314.35	185.53	175.45	168.27
PLAT	-21.38	16.50	53.58	70.77	38.92	0.60	-37.49	-70.08	-56.94	-20.48	17.78
L	1.19	1.11	2.87	11.84	1.45	1.09	2.00	5.89	4.07	1.16	1.12
SZA	158.67	133.38	96.26	58.26	25.49	33.54	68.88	106.32	141.91	157.47	128.48
MODE	B										

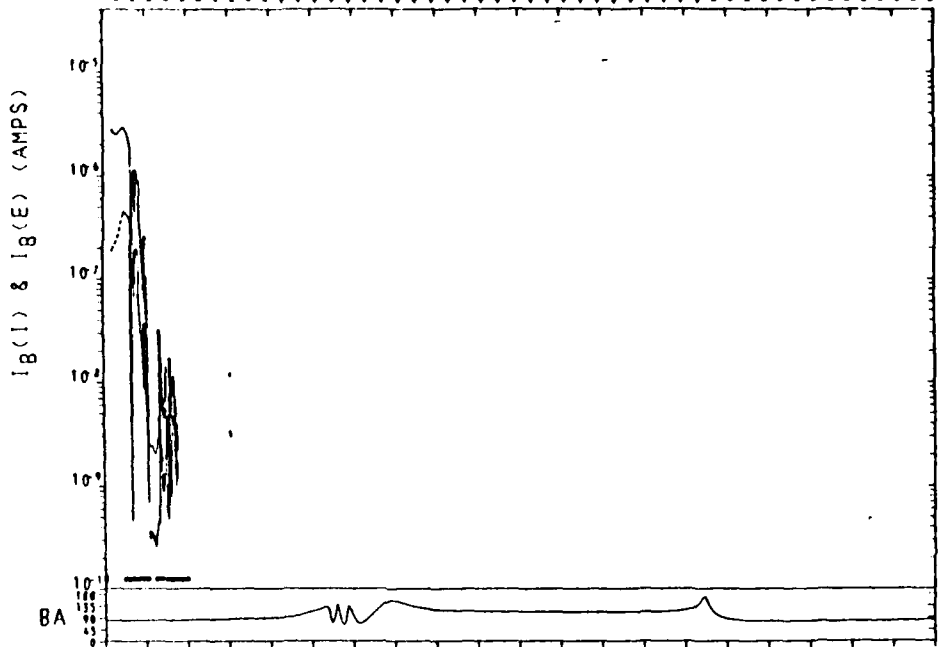




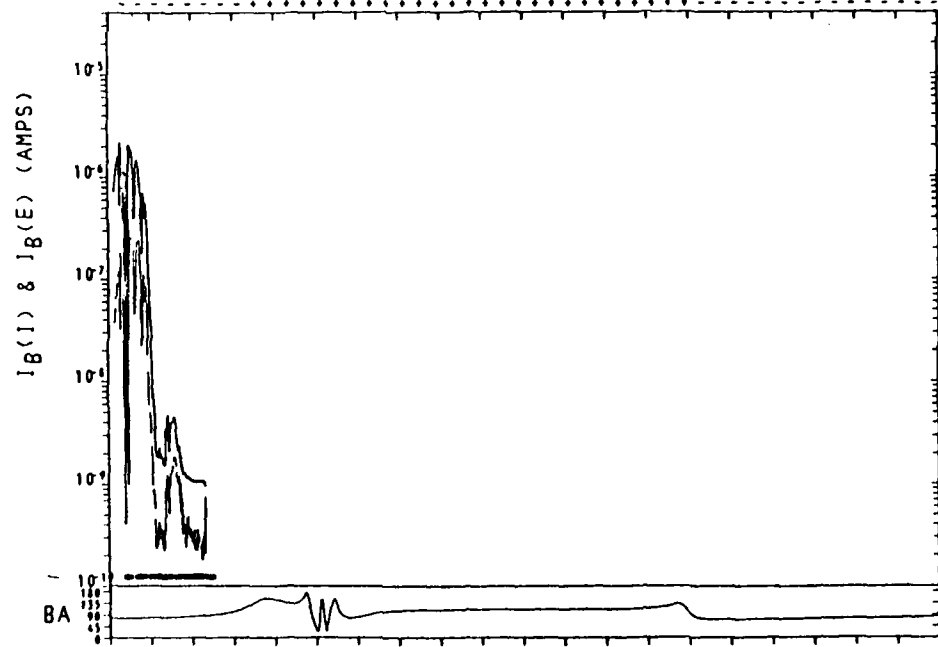
UT	1753:00	1803:00	1813:00	1823:00	1833:00	1843:00	1853:00	1903:00	1913:00	1923:00	1933:10
LT	0815:00	2302:44	2224:14	2209:39	2133:52	1207:21	1037:43	1017:01	0953:44	0644:19	2254:10
ALT	257.82	263.33	238.85	209.68	189.95	175.15	168.52	186.37	227.23	260.58	260.38
LAT	-77.84	-59.69	-20.03	20.13	60.43	76.31	36.37	-4.38	-44.72	-82.16	-54.05
LOW	217.11	76.54	65.42	58.27	46.82	262.70	237.79	230.11	221.79	171.94	31.90
MLAT	-71.05	-68.42	-27.97	12.78	53.89	83.83	42.84	1.46	-39.53	-79.62	-58.86
L	8.83	7.66	1.37	1.03	3.24	128.63	1.84	1.02	1.82	24.47	3.96
SZA	102.60	138.63	158.43	131.94	94.68	56.70	24.61	34.88	70.48	107.92	143.32
MODE	A										



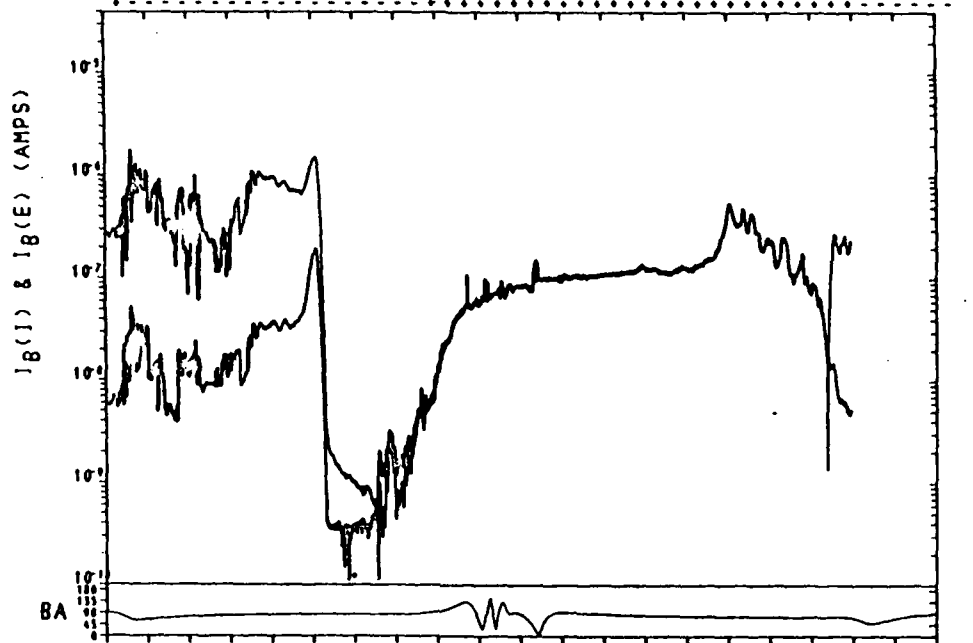
UT	2348:00	2358:00	0008:00	0018:00	0028:00	0038:00	0048:00	0058:00	0108:00	0118:00	0128:00
LT	0814:29	2302:54	2228:22	2209:51	2134:53	1211:41	1037:44	1016:53	0953:29	0642:45	2254:03
ALT	268.59	281.81	258.44	223.00	192.61	165.48	149.68	168.78	222.44	271.41	240.35
LAT	-77.88	-59.78	-20.35	19.59	59.81	76.79	36.89	-4.29	-44.78	-82.19	-54.15
LOW	128.23	347.83	336.70	329.57	318.33	175.03	149.06	141.33	132.98	82.80	323.12
MLAT	-86.11	-52.69	-12.46	28.07	69.08	69.37	27.66	-13.89	-54.95	-84.42	-44.33
L	217.84	2.75	1.26	1.18	6.12	10.37	1.29	1.03	3.59	25.23	1.98
SZA	102.59	138.50	158.47	132.44	95.31	57.24	24.83	34.80	70.50	107.93	143.18
MODE	A										



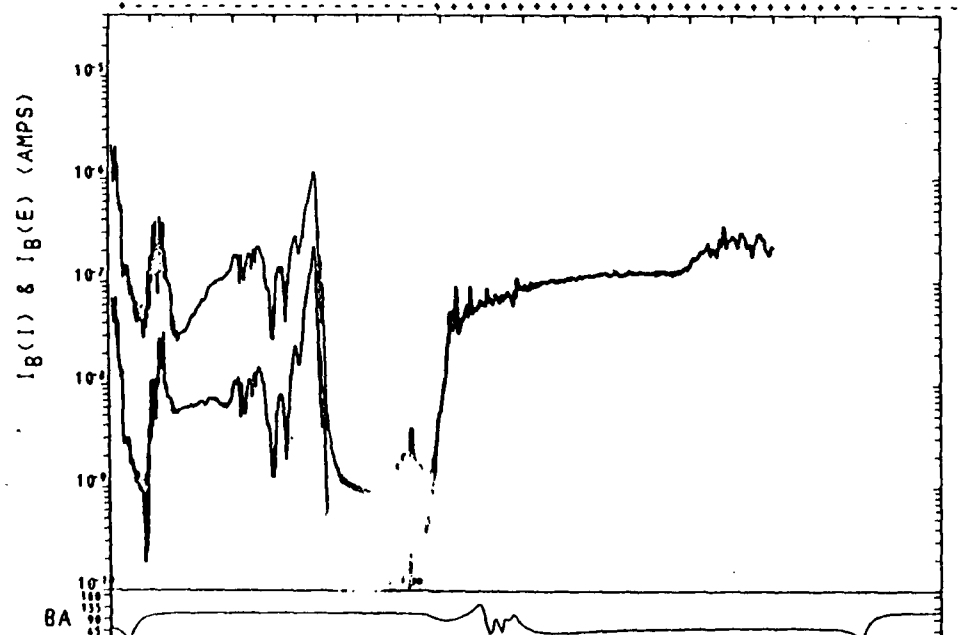
UT	0900:00	0910:00	0920:00	0930:00	0940:00	0950:00	1000:00	1010:00	1020:00	1030:00	1040:00
LT	2230:09	2211:35	2140:38	1254:36	1040:54	1018:56	0957:14	0759:20	2300:35	2227:40	2209:10
ALT	261.96	232.16	207.21	185.60	171.68	184.37	226.59	268.27	278.59	257.51	228.05
LAT	-23.77	16.15	56.29	79.98	40.75	-0.02	-40.44	-79.02	-58.43	-18.93	21.03
LONG	204.15	197.00	186.77	52.76	16.83	8.84	0.92	328.94	191.76	181.03	173.90
MLAT	-22.34	15.36	52.34	71.19	40.28	2.04	-36.05	-68.99	-58.10	-22.13	15.83
L	1.22	1.10	2.67	13.76	1.56	1.06	1.98	5.40	4.32	1.20	1.10
SZA	158.71	135.51	98.74	60.80	27.15	31.52	66.37	103.77	139.56	158.21	131.26
MODE	B										



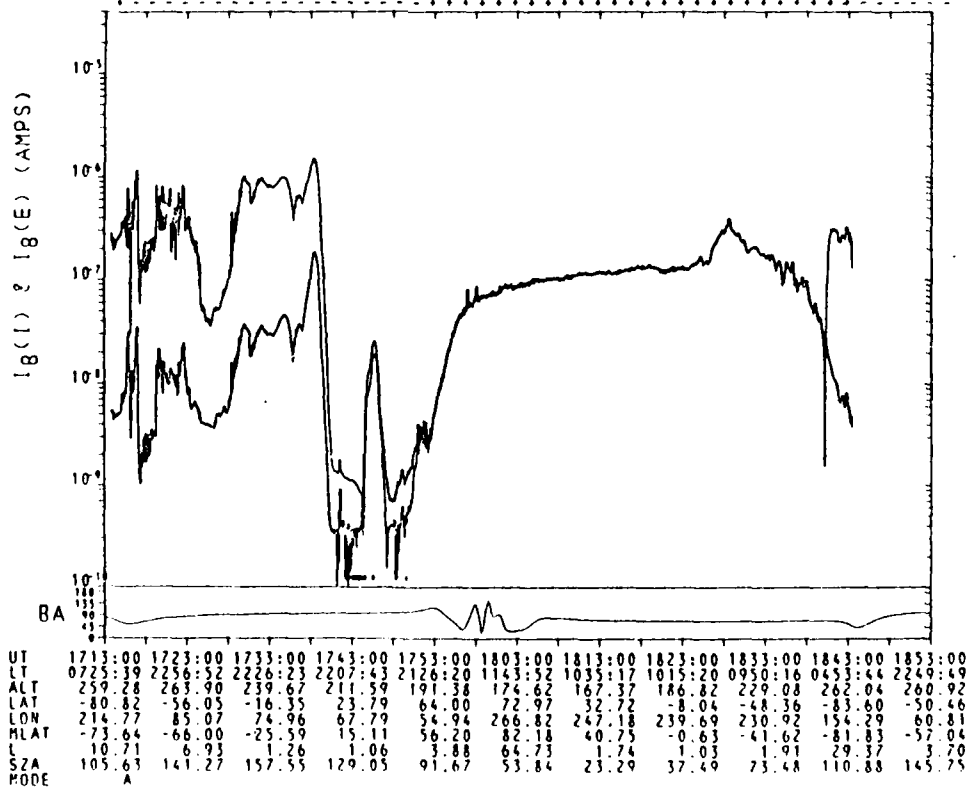
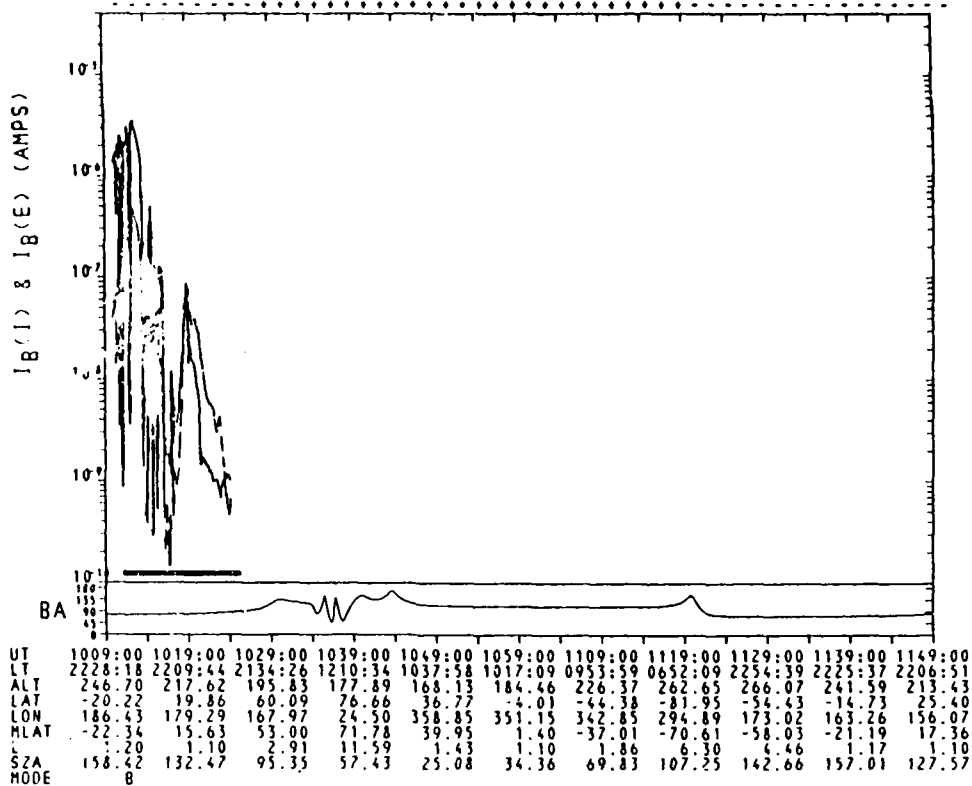
UT	1200:00	1210:00	1220:00	1230:00	1240:00	1250:00	1300:00	1310:00	1320:00	1330:00	1340:00
LT	2253:19	2206:33	2121:09	1134:32	1034:05	1014:28	0948:17	0348:32	2248:05	2223:02	2203:41
ALT	253.12	224.10	200.70	180.15	171.58	192.48	237.94	273.66	274.39	248.68	220.66
LAT	-14.05	25.96	66.02	71.08	30.75	-9.99	-50.23	-83.61	-48.80	-9.13	30.93
LONG	157.94	150.75	136.90	347.74	330.13	322.73	313.68	221.24	143.63	134.87	127.53
MLAT	-17.37	17.24	55.56	73.93	39.01	-0.46	-39.70	-75.05	-57.66	-19.34	20.08
L	1.17	1.10	3.90	10.00	1.43	1.10	1.70	11.21	4.39	1.09	1.16
SZA	156.72	126.88	89.46	51.76	22.43	39.27	75.50	112.82	147.28	154.39	122.40
MODE	B										

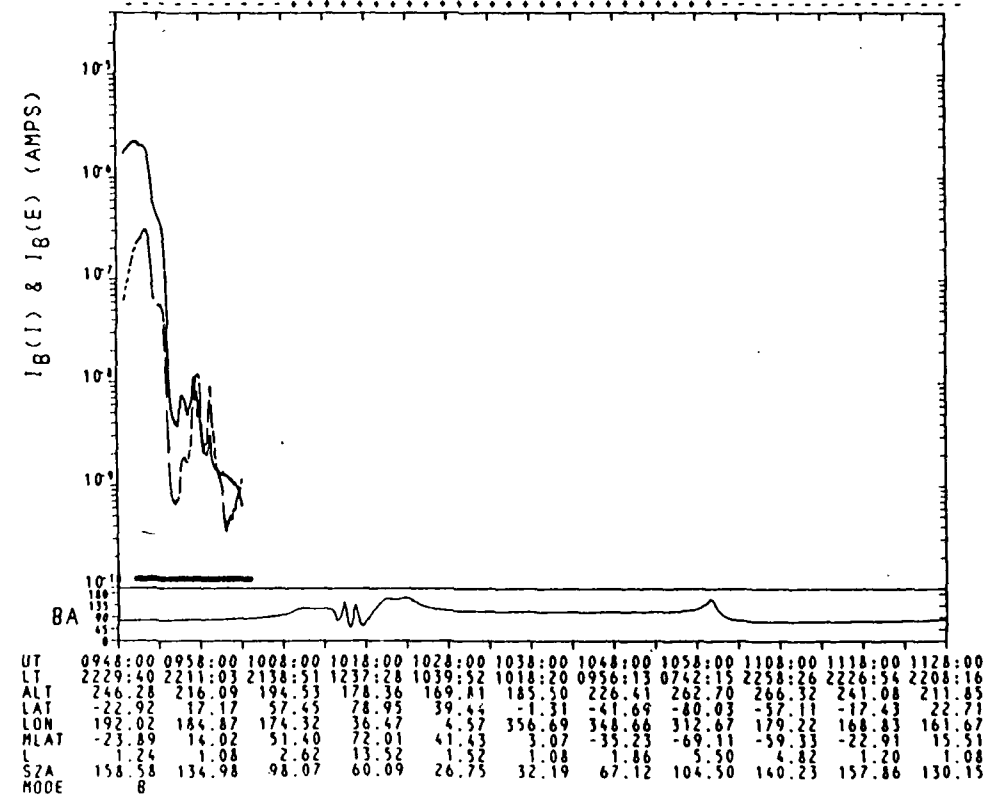
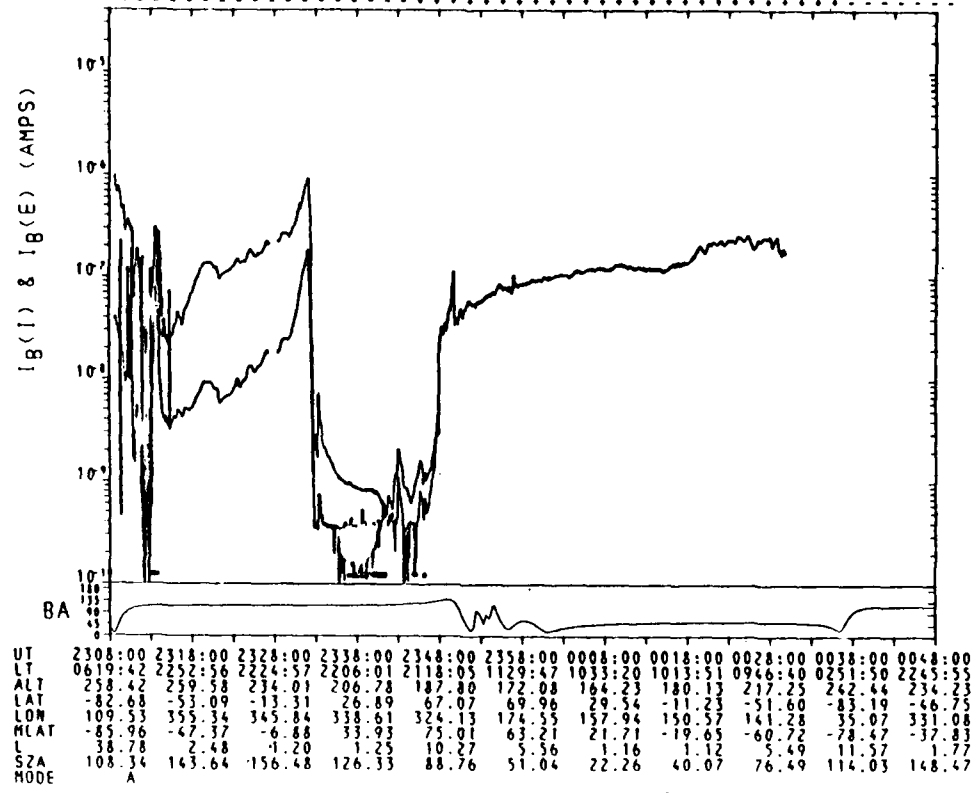


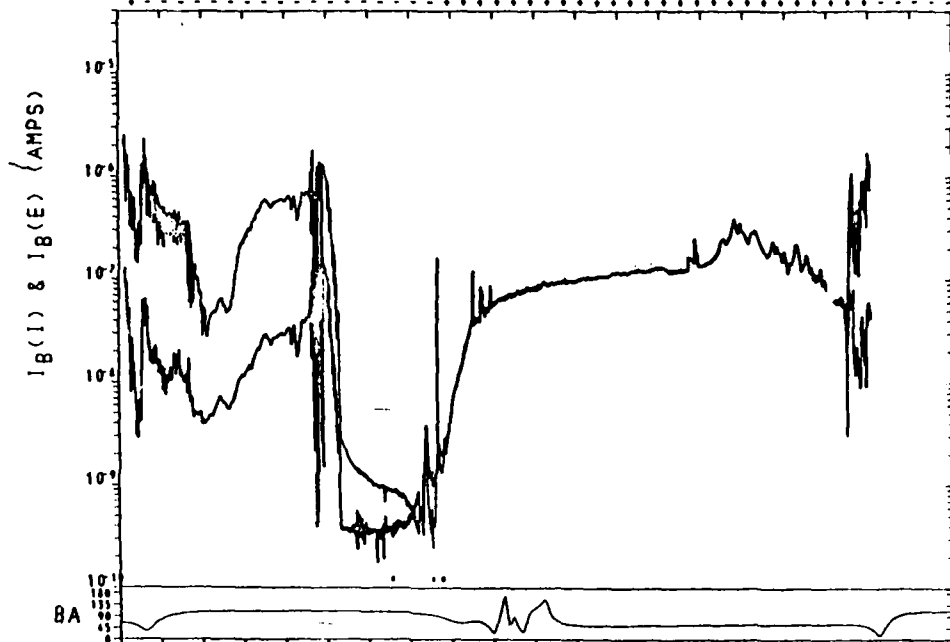
UT	1605:00	1615:00	1625:00	1635:00	1645:00	1655:00	1705:00	1715:00	1725:00	1735:00	1745:00
LT	0802:16	2300:55	2227:45	2209:15	2132:44	1203:26	1037:22	1016:46	0953:16	0633:26	2253:43
ALT	266.39	276.29	254.84	225.49	201.99	181.65	170.63	187.57	231.23	269.50	274.33
LAT	-78.83	-58.65	-19.12	20.87	61.01	75.86	35.89	-4.87	-45.21	-82.41	-53.73
LOX	240.93	103.09	92.30	85.17	73.54	288.72	264.70	257.05	248.68	196.22	78.79
MLAT	-69.47	-69.91	-29.94	10.45	51.28	87.21	46.04	4.74	-36.20	-76.72	-62.97
L	6.83	11.70	1.34	1.00	3.21	153.30	2.18	1.04	1.61	15.29	5.41
SZA	103.49	139.32	158.25	131.45	94.31	56.45	24.52	35.13	70.75	108.13	143.39
MODE	A										



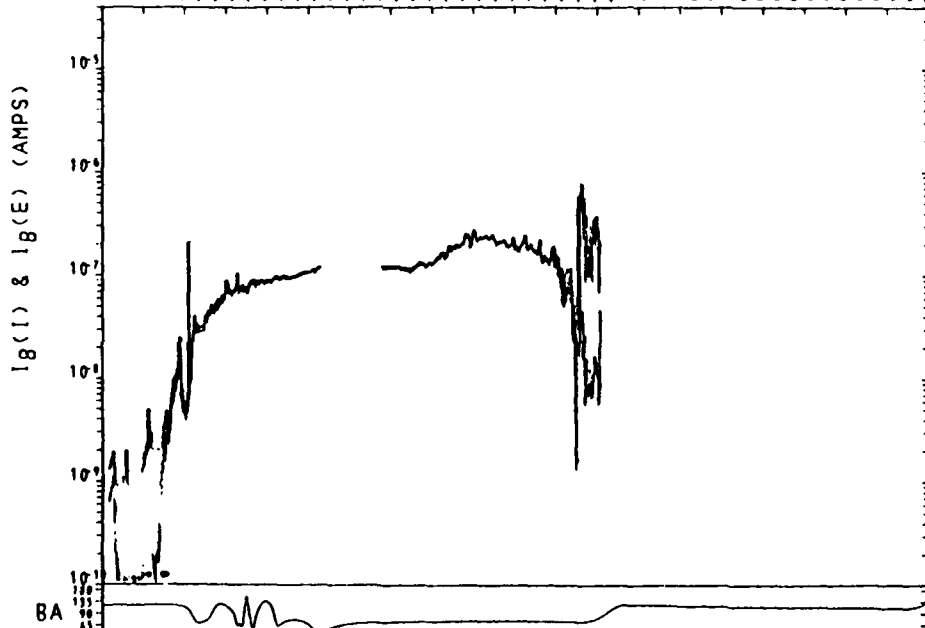
UT	2200:00	2210:00	2220:00	2230:00	2240:00	2250:00	2300:00	2310:00	2320:00	2330:00	2340:00
LT	0758:26	2300:23	2227:35	2209:02	2131:53	1200:15	1037:04	1016:34	0952:50	0621:01	2253:07
ALT	264.69	273.57	251.53	222.36	199.54	180.02	169.81	187.19	230.51	267.73	271.40
LAT	-79.08	-58.32	-18.76	21.26	61.43	75.45	35.44	-5.33	-45.67	-82.66	-53.24
LOX	151.22	14.21	3.50	356.37	344.58	199.17	175.87	168.23	159.82	104.36	349.89
MLAT	-82.08	-55.59	-15.33	25.30	66.17	71.59	30.30	-11.09	-52.08	-85.91	-46.67
L	59.17	3.31	1.36	1.09	4.73	11.92	1.35	1.04	3.11	36.21	2.38
SZA	103.73	139.55	158.17	131.14	93.96	56.09	24.34	35.45	71.13	108.52	143.73
MODE	A										



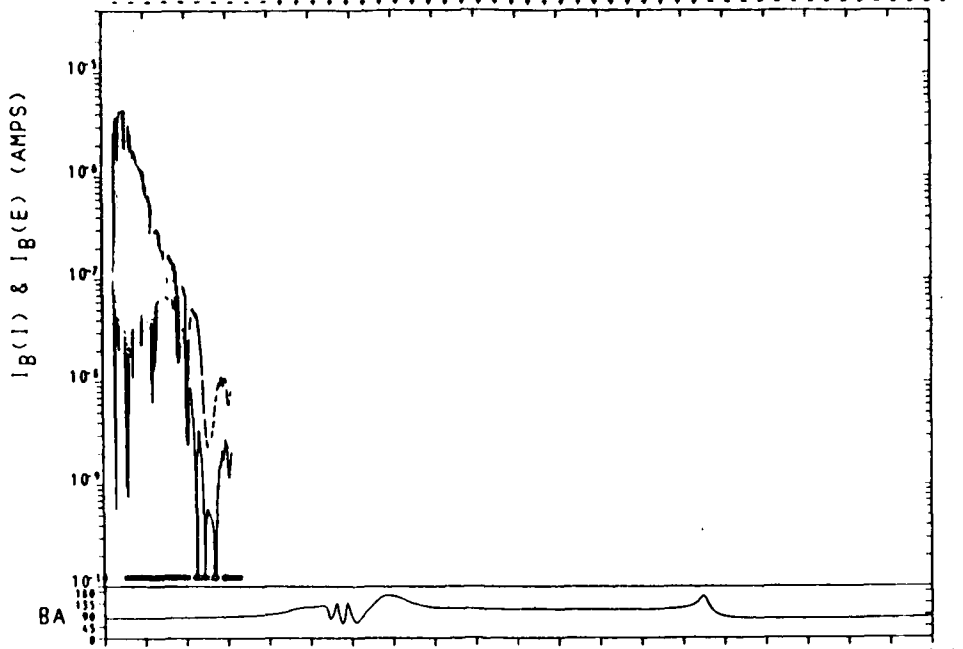




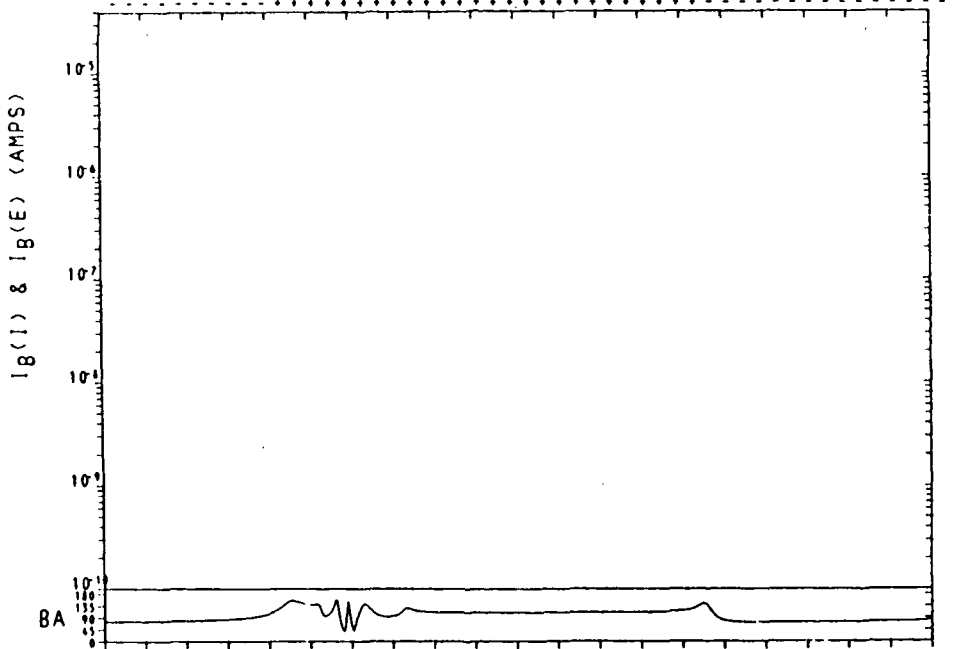
UT	1949:00	1959:00	2009:00	2019:00	2029:00	2039:00	2049:00	2059:00	2109:00	2119:00	2129:00
LT	0811:41	2302:08	2228:02	2209:26	2133:12	1204:43	1037:27	1016:50	0953:24	0636:25	2253:43
ALT	258.04	263.20	238.42	209.24	189.60	174.93	168.61	186.82	227.77	260.57	260.24
LAT	-78.11	-59.38	-19.71	20.45	60.75	76.01	36.04	-4.71	-45.05	-82.34	-53.74
LONG	187.28	47.39	36.36	29.21	17.65	233.03	208.71	201.06	192.70	140.96	22.78
MLAT	-75.44	-62.98	-22.64	18.12	59.13	77.88	37.06	-4.28	-45.23	-83.73	-52.89
L	16.75	6.73	1.39	1.05	3.58	28.48	1.56	1.01	2.25	43.47	3.11
SZA	102.22	138.22	158.33	132.21	95.02	57.09	24.96	34.69	70.15	107.54	142.91
MODE	A										



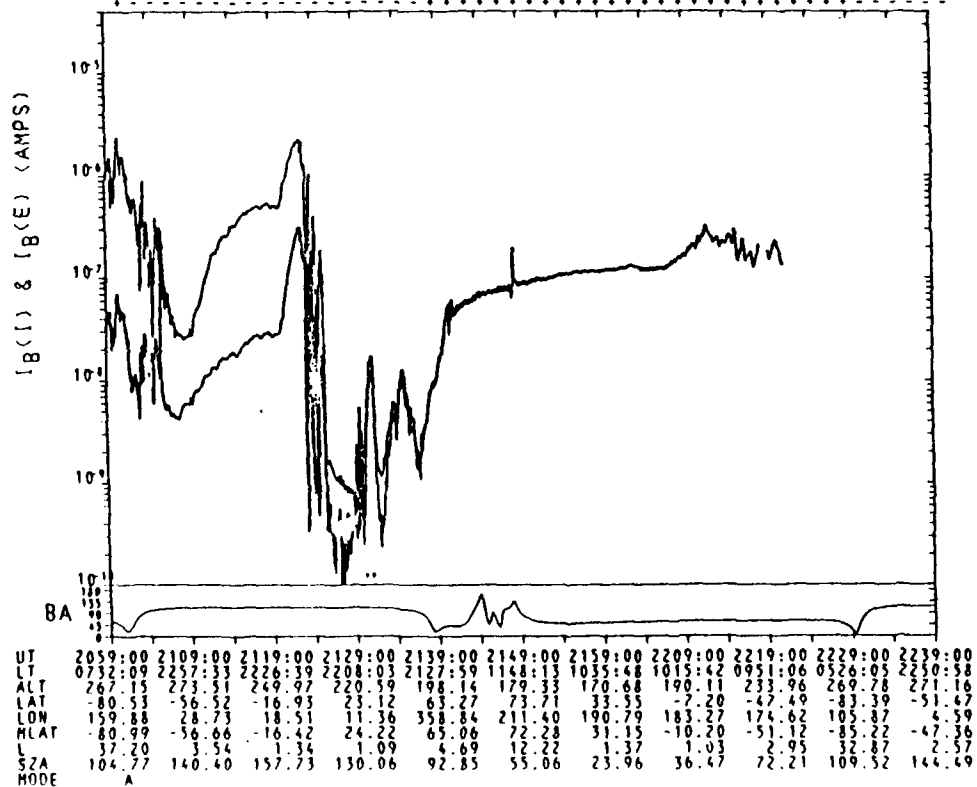
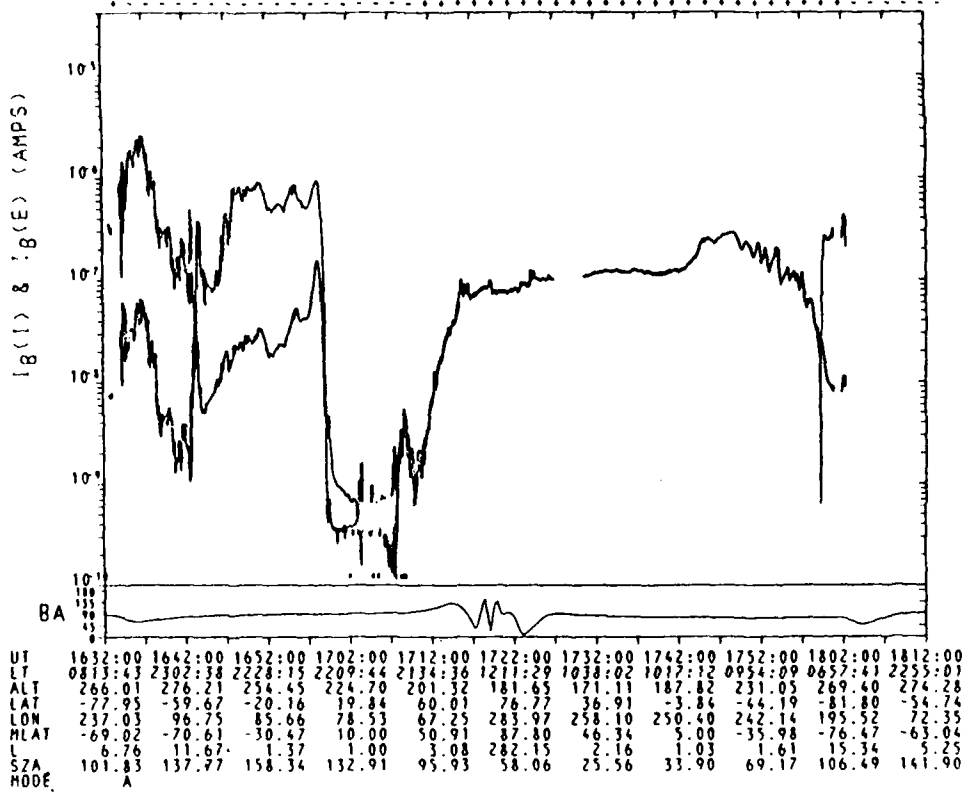
UT	0214:00	0224:00	0234:00	0244:00	0254:00	0304:00	0314:00	0324:00	0334:00	0344:00	0354:00
LT	2210:10	2136:13	1220:29	1038:44	1017:38	0254:58	0717:11	2256:23	2226:17	2207:39	2126:21
ALT	230.72	205.93	184.20	171.54	186.82	230.47	271.18	278.94	253.91	220.49	192.46
LAT	18.95	59.07	77.63	37.91	-2.86	-43.23	-81.15	-55.72	-16.19	25.80	63.97
LONG	300.64	289.66	148.22	120.28	112.51	104.34	62.40	294.70	284.67	277.51	264.69
MLAT	30.07	70.43	62.64	26.73	-14.20	-54.53	-81.66	-44.40	-4.87	34.89	73.63
L	1.46	8.98	9.80	1.32	1.00	3.41	16.92	1.85	1.10	1.59	14.42
SZA	133.57	96.68	58.82	25.99	35.25	68.41	105.74	141.23	157.52	129.31	92.01
MODE	A										

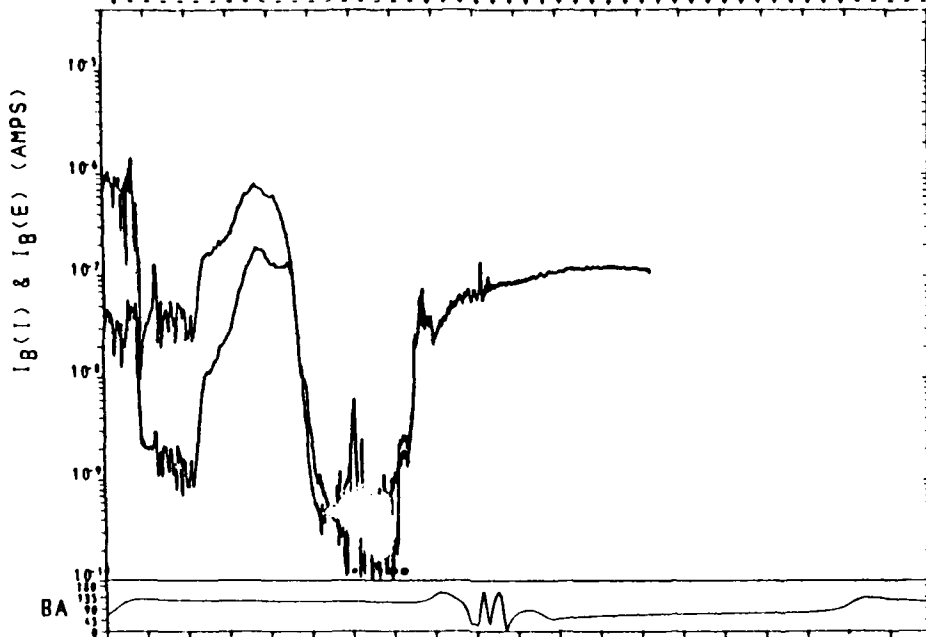


UT	0927:00	0937:00	0947:00	0957:00	1007:00	1017:00	1027:00	1037:00	1047:00	1057:00	1107:00
LT	2230:44	2212:06	2142:13	1312:53	1041:46	1019:25	0958:04	0812:11	2302:27	2228:12	2209:42
ALT	261.38	231.14	206.33	185.44	172.00	184.38	226.02	267.76	278.21	256.89	227.07
LAT	-24.93	14.99	55.16	80.84	41.88	1.12	-39.30	-78.07	-59.55	-20.06	19.92
LOW	197.53	190.37	180.40	50.57	10.29	2.20	354.37	325.39	185.46	174.40	167.27
MLAT	-24.77	12.94	50.18	72.11	42.66	4.43	-33.82	-67.86	-60.36	-24.48	13.62
L	1.27	1.08	2.45	15.31	1.63	1.05	1.86	5.02	5.10	1.24	1.07
SZA	158.44	137.02	100.47	62.54	28.45	30.33	64.70	102.03	137.93	158.34	132.79
MODE	B										

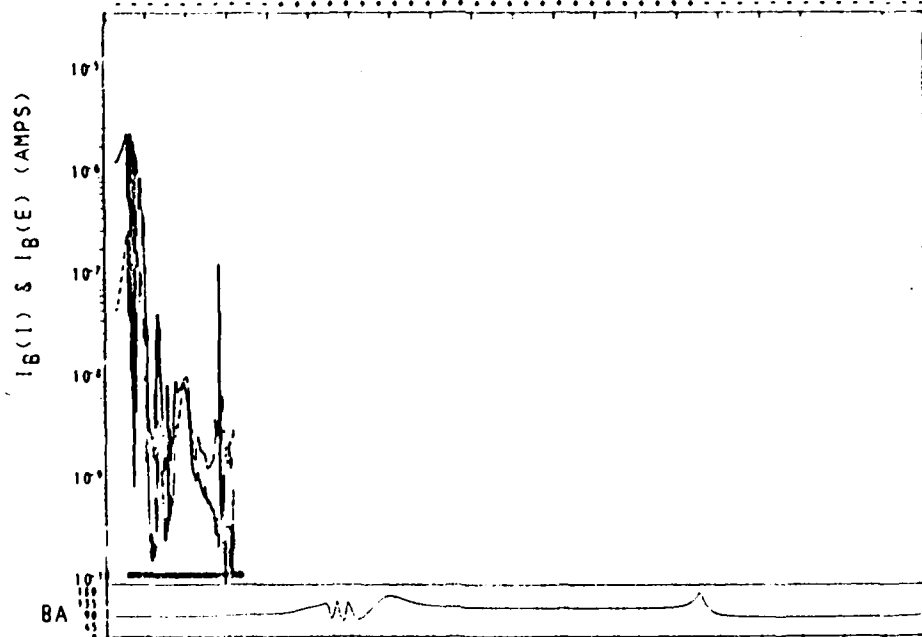


UT	1055:00	1105:00	1115:00	1125:00	1135:00	1145:00	1155:00	1205:00	1215:00	1225:00	1235:00
LT	2232:27	2213:33	2146:10	1423:55	1044:25	1020:48	1000:16	0838:18	2308:14	2229:46	2211:13
ALT	262.82	232.74	207.50	186.61	172.19	182.06	222.16	263.02	278.15	258.52	228.97
LAT	-28.00	11.89	52.06	82.78	45.02	4.25	-36.21	-75.37	-62.54	-23.11	16.84
LOW	175.96	168.74	159.39	46.33	348.95	340.55	332.92	309.92	164.91	152.79	145.65
MLAT	-31.97	5.96	44.06	74.03	49.82	11.30	-27.65	-64.42	-67.12	-31.09	7.59
L	1.47	1.02	2.02	19.75	2.00	1.05	1.50	4.11	9.75	1.41	1.01
SZA	157.95	139.64	103.40	65.44	30.58	28.24	61.84	99.15	135.32	158.52	135.46
MODE	B										

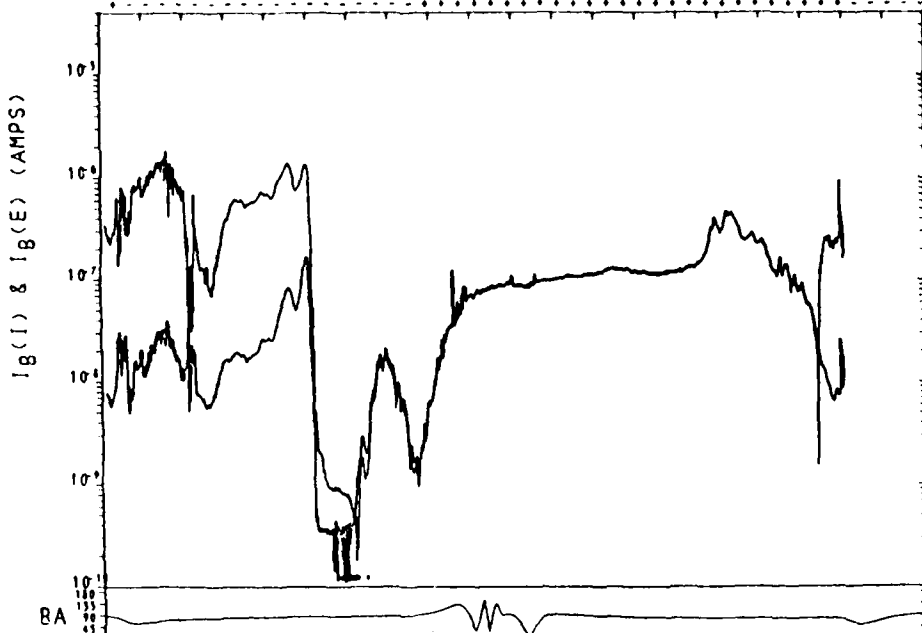




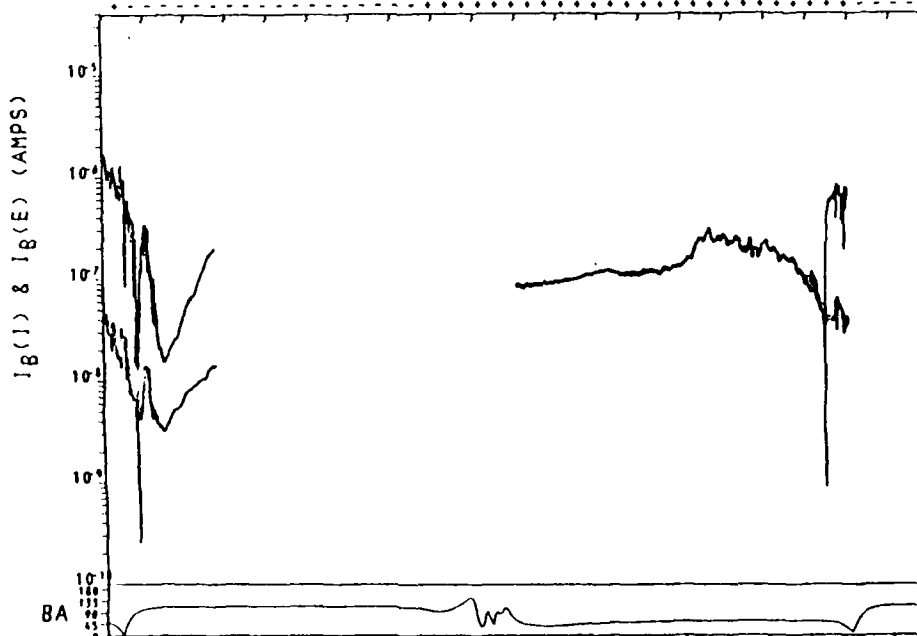
UT	0234:00	0304:00	0314:00	0324:00	0334:00	0344:00	0354:00	0404:00	0414:00	0424:00	0434:00
LT	0719:05	2230:26	2226:16	2207:37	2126:04	1143:26	1035:14	1015:19	0950:16	0455:44	2249:56
ALT	265.94	270.95	246.70	217.60	195.89	177.91	170.20	190.36	233.99	268.51	268.43
LAT	-81.08	-55.76	-16.13	23.95	64.11	72.90	32.66	-8.08	-48.36	-83.59	-50.58
LOH	-67.86	299.70	289.66	282.50	269.61	121.43	101.90	94.42	-85.66	-9.53	275.58
RLAT	-82.49	-44.55	-4.77	35.22	74.36	61.69	21.39	-19.04	-58.48	-76.05	-39.49
L	18.90	1.86	1.11	1.62	15.63	6.31	1.18	1.07	4.21	9.28	1.66
SZA	105.42	140.97	157.52	129.37	92.10	54.33	23.63	37.13	72.96	110.27	145.12
MODE	A										



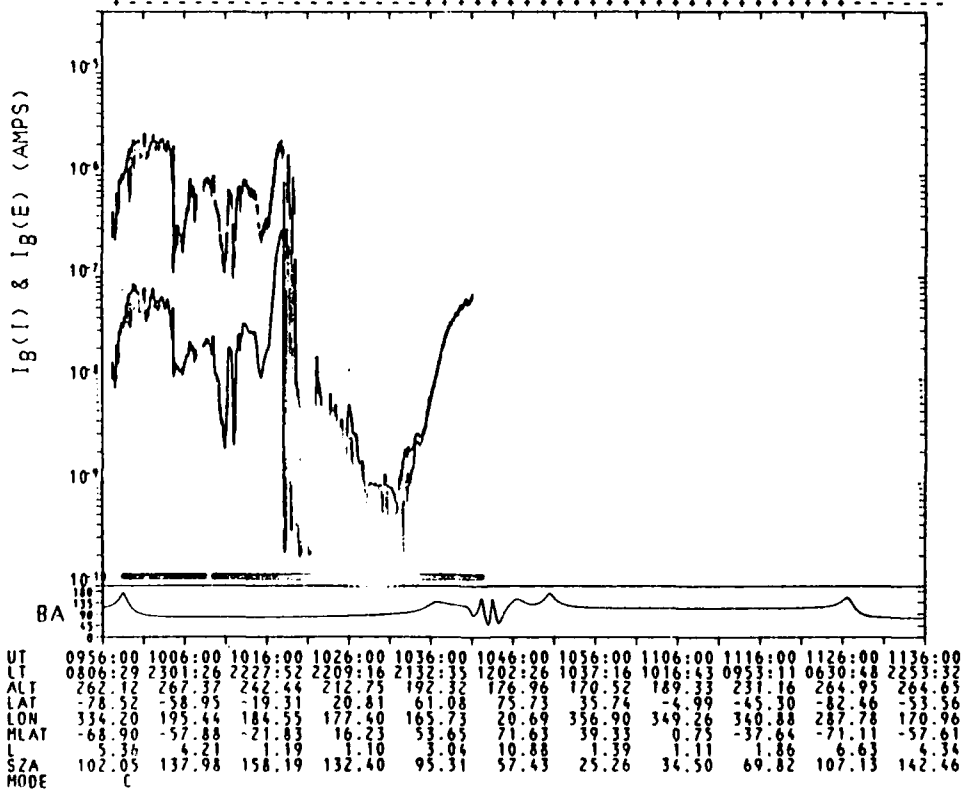
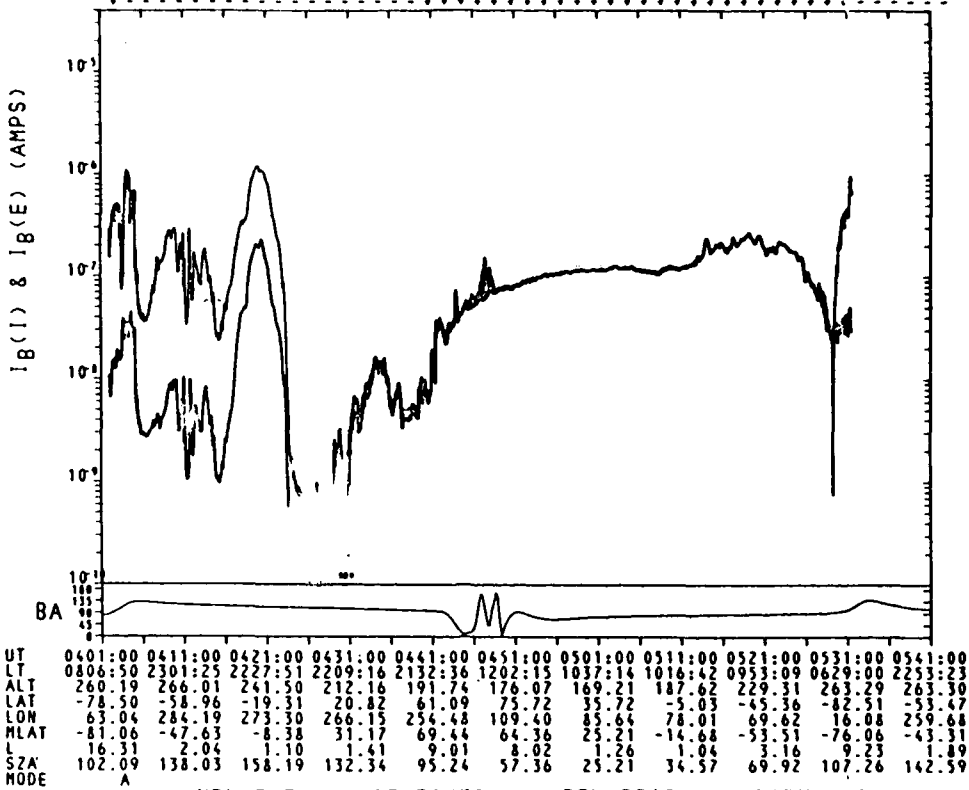
UT	0907:00	0917:00	0927:00	0937:00	0947:00	0957:00	1007:00	1017:00	1027:00	1037:00	1047:00
LT	2230:49	2212:09	2142:14	1312:16	1041:44	1019:24	0958:03	0811:30	2302:19	2228:08	2209:36
ALT	254.81	224.17	200.72	182.27	171.18	184.68	225.63	265.25	275.10	249.95	219.99
LAT	-25.08	14.92	55.15	80.81	41.84	1.08	-19.33	-78.10	-59.48	-19.92	20.12
LOH	202.55	195.38	185.40	85.41	15.27	7.19	359.35	330.30	190.42	179.38	172.24
RLAT	-23.93	13.83	51.02	71.68	41.64	3.44	-34.69	-61.22	-59.33	-23.42	14.65
L	1.25	1.08	2.51	14.89	1.62	1.05	1.92	5.13	4.68	1.22	1.08
SZA	158.34	137.27	100.70	62.74	28.62	30.23	64.51	101.83	137.76	158.29	132.80
MODE	B										

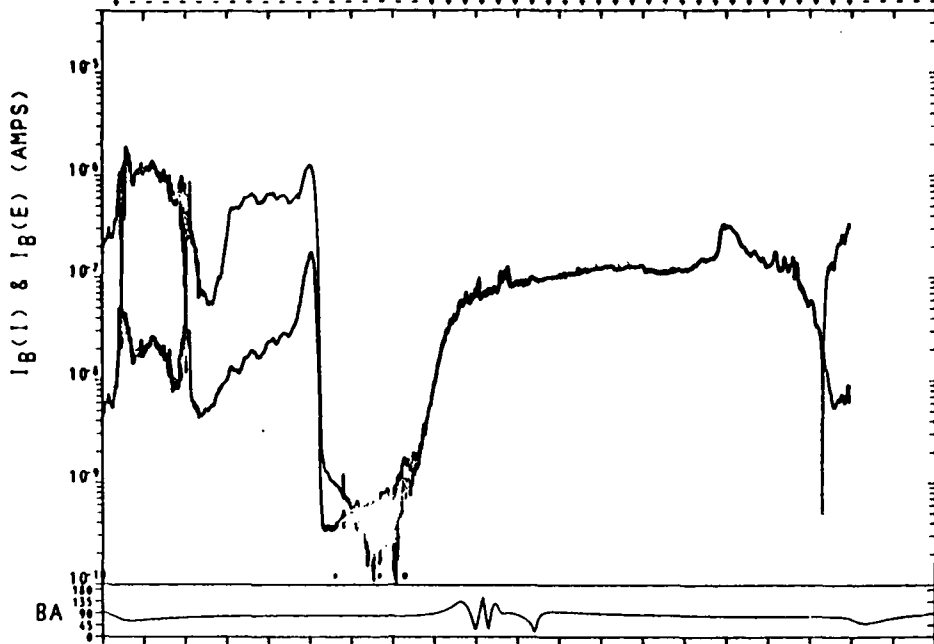


UT	1612:00	1622:00	1632:00	1642:00	1652:00	1702:00	1712:00	1722:00	1732:00	1742:00	1752:00
LT	0801:03	2300:39	2227:38	2209:04	2131:59	1200:11	1037:02	1016:34	0952:54	0622:58	2233:09
ALT	264.12	270.64	246.61	216.93	195.40	178.34	170.55	189.14	231.86	267.07	268.18
LAT	-78.91	-58.51	-18.91	21.17	61.39	75.46	35.44	-5.30	-45.61	-82.63	-55.29
LON	238.85	101.25	90.50	83.36	71.58	286.14	262.85	255.23	246.81	191.83	76.87
MLAT	-69.72	-69.70	-29.61	10.90	51.83	86.74	45.41	4.12	-36.80	-77.32	-62.29
L	7.02	11.21	-1.33	1.01	3.29	149.26	2.11	1.04	1.63	16.50	5.33
SZA	102.67	138.53	158.14	131.93	94.83	56.98	24.98	34.86	70.27	107.59	142.85
MODE	A										

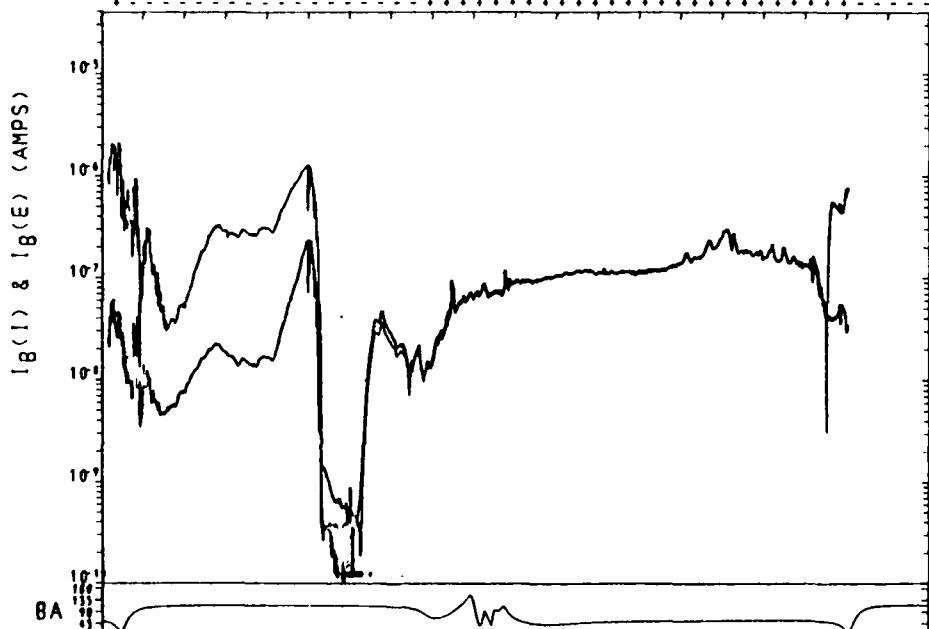


UT	2207:00	2217:00	2227:00	2237:00	2247:00	2257:00	2307:00	2317:00	2327:00	2337:00	2347:00
LT	0741:15	2258:21	2226:54	2208:16	2128:42	1149:50	1035:59	1015:51	0951:23	0534:40	2251:13
ALT	263.28	267.65	242.67	213.39	192.74	176.55	169.96	189.78	232.46	265.86	264.90
LAT	-80.09	-57.05	-17.39	22.74	62.96	73.97	33.82	-6.92	-47.21	-83.31	-51.68
LON	145.15	11.92	-1.56	354.40	342.01	194.79	173.83	166.30	157.68	91.00	347.64
MLAT	-83.36	-53.98	-13.62	27.10	68.06	69.71	28.36	-12.99	-53.95	-84.57	-44.82
L	63.10	3.13	1.33	1.11	5.45	9.59	1.30	1.05	3.46	26.75	2.25
SZA	103.98	139.71	157.84	130.61	93.39	55.37	24.25	36.08	71.71	109.02	144.09
MODE	A										

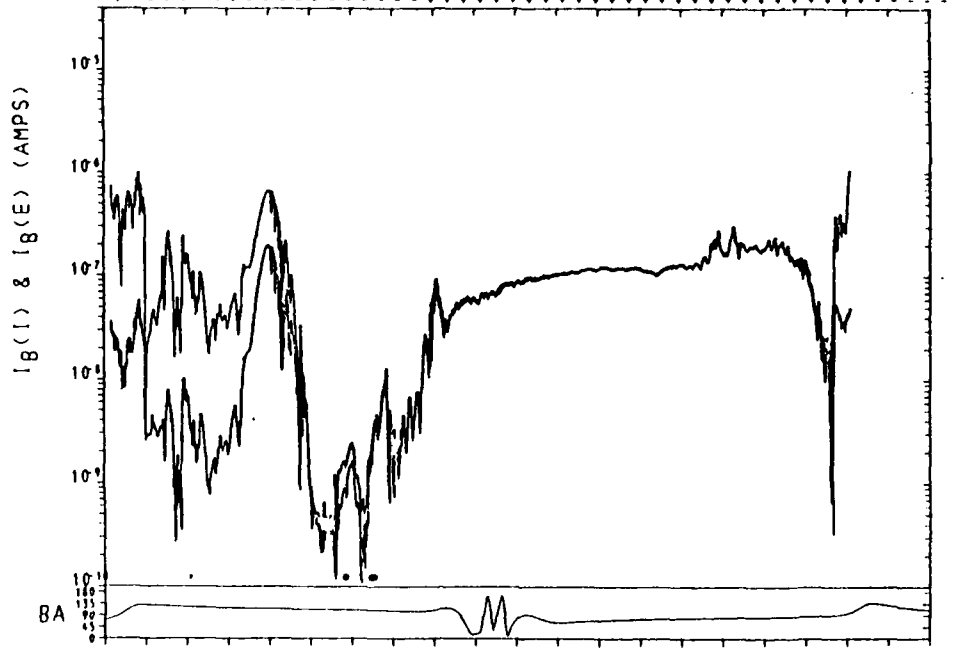




UT	1551:00	1601:00	1611:00	1621:00	1631:00	1641:00	1651:00	1701:00	1711:00	1721:00	1731:00
LT	0738:20	2258:02	2226:47	2208:08	2127:58	1147:40	1035:45	1015:42	0951:05	0522:57	2250:47
ALT	261.70	264.14	238.06	208.99	189.67	175.25	170.16	190.57	232.48	263.99	261.09
LAT	-80.24	-56.83	-17.12	23.05	63.31	73.62	33.44	-7.28	-47.56	-83.42	-51.30
LON	238.41	105.83	95.52	88.36	73.82	288.24	267.77	260.25	251.60	182.06	81.32
MLAT	-70.94	-68.16	-28.13	12.40	53.34	84.98	43.88	2.66	-38.20	-78.71	-60.93
L	7.65	9.96	1.27	1.02	3.62	79.16	2.02	1.04	1.68	19.23	4.82
SZA	103.99	139.72	157.79	130.49	93.24	55.41	24.20	36.24	71.87	109.17	144.21
MODE	A										

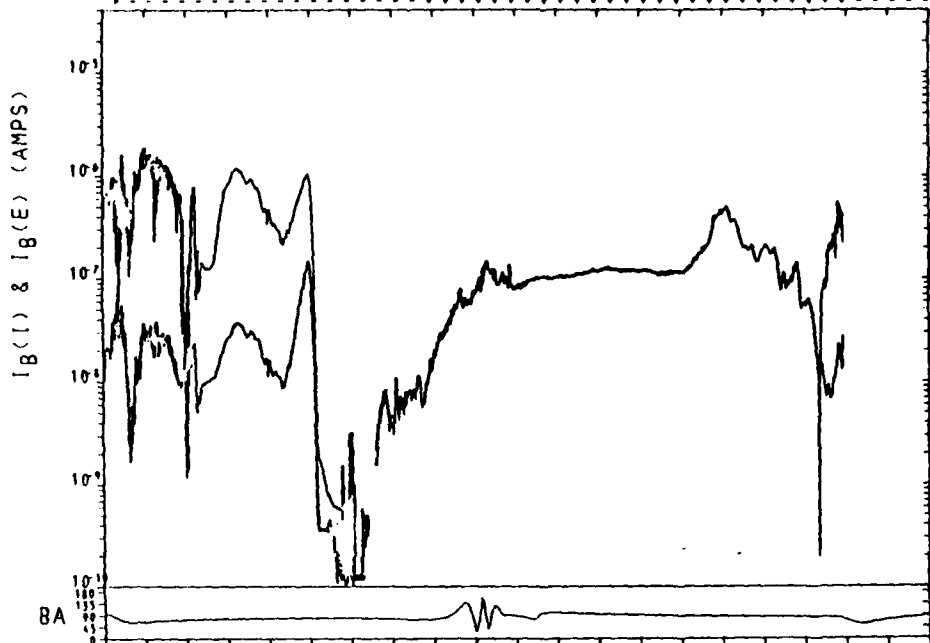


UT	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00	2325:00
LT	0756:45	2300:03	2227:23	2208:47	2130:35	1155:07	1036:34	1018:16	0952:13	0600:09	2252:09
ALT	258.82	262.06	236.20	207.17	188.20	174.33	169.22	188.71	229.78	261.44	258.94
LAT	-79.20	-58.10	-18.40	21.80	62.09	74.76	34.66	-6.07	-46.37	-83.00	-52.43
LON	154.51	17.84	7.18	0.02	347.97	201.60	179.47	171.89	163.38	102.86	353.36
MLAT	-81.52	-56.05	-15.66	23.13	66.13	71.43	30.16	-11.19	-52.14	-85.52	-46.42
L	50.85	3.39	1.36	1.08	4.78	11.48	1.34	1.04	3.12	33.39	2.40
SZA	102.70	138.59	158.04	131.64	94.46	56.58	24.81	35.25	70.70	108.03	143.26
MODE	A										

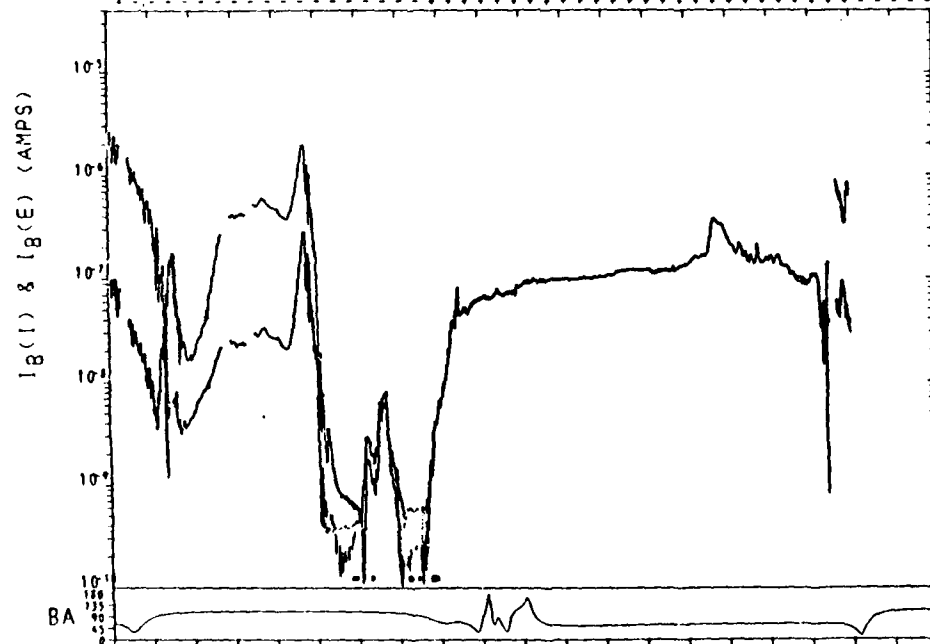


UT	0340:00	0350:00	0400:00	0410:00	0420:00	0430:00	0440:00	0450:00	0500:00	0510:00	0520:00
LT	0813:49	2302:44	2228:19	2209:50	2134:49	1212:30	1038:09	1017:18	0954:18	0700:38	2255:17
ALT	267.94	278.85	257.23	227.05	202.85	182.39	171.46	188.28	232.18	271.66	277.05
LAT	-77.94	-59.70	-20.21	19.75	59.91	76.87	37.03	-3.73	-44.07	-81.71	-54.90
LDN	70.03	289.75	278.65	271.53	260.28	117.19	91.11	83.40	75.15	29.23	265.39
MLAT	-82.14	-48.34	-9.04	30.52	69.16	65.56	26.17	-13.91	-53.03	-77.17	-44.32
L	19.37	2.08	1.11	1.42	8.90	8.82	1.30	1.02	3.11	10.25	1.92
SZA	101.24	137.16	158.27	133.47	96.60	58.77	26.08	33.43	68.50	105.77	141.19
MODE	A										

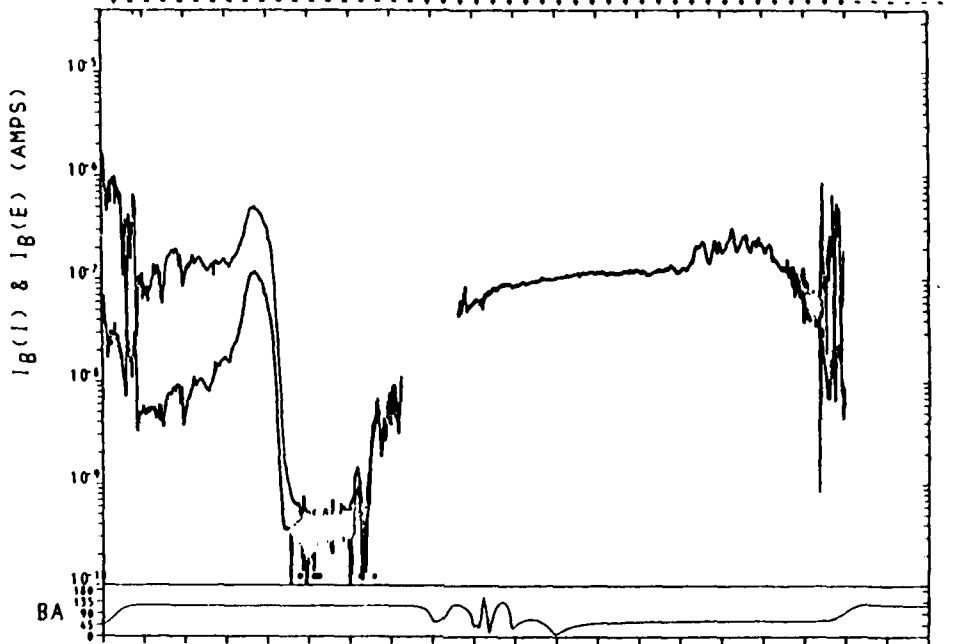
NOT CURRENTLY AVAILABLE



UT	1531:00	1541:00	1551:00	1601:00	1611:00	1621:00	1631:00	1641:00	1651:00	1701:00	1711:00
LT	0726:10	2257:05	2226:33	2207:56	2127:17	1146:11	1035:37	1015:37	0950:52	0515:45	2250:40
ALT	268.71	274.19	249.82	220.06	197.67	179.34	171.52	191.79	236.10	271.29	271.80
LAT	-80.80	-56.18	-16.58	23.47	63.63	73.37	33.18	-7.54	-47.81	-83.47	-51.18
LON	240.55	110.59	100.45	93.30	80.63	292.86	272.72	265.22	236.53	185.25	86.48
MLAT	-71.29	-67.53	-27.79	12.53	53.29	84.67	43.99	2.83	-37.98	-78.38	-61.35
L	7.78	9.68	1.25	1.03	3.66	63.54	2.06	1.05	1.65	18.27	5.06
SZA	104.43	140.03	157.66	130.32	93.17	55.41	24.25	36.27	71.87	109.12	144.08
MODE	A										

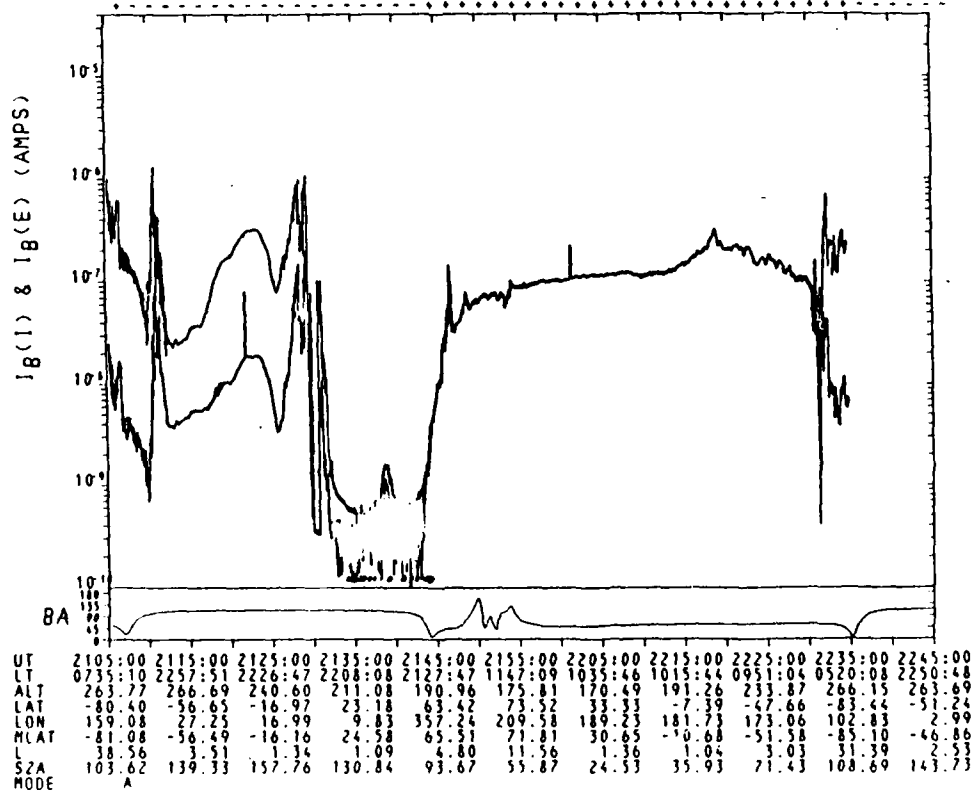
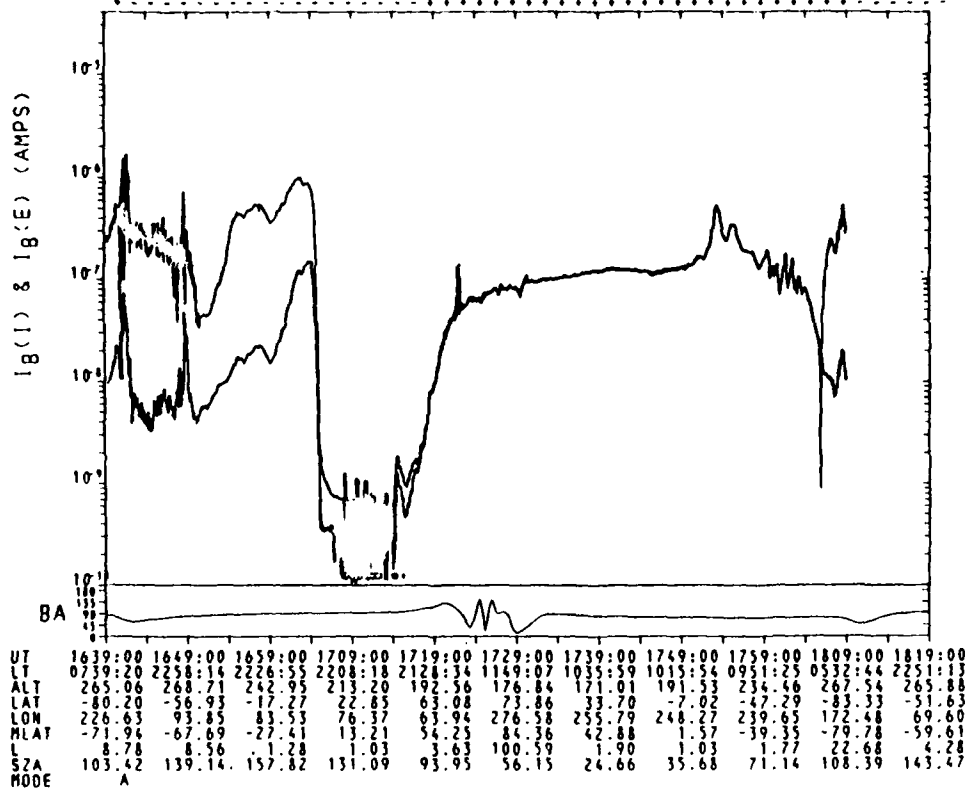


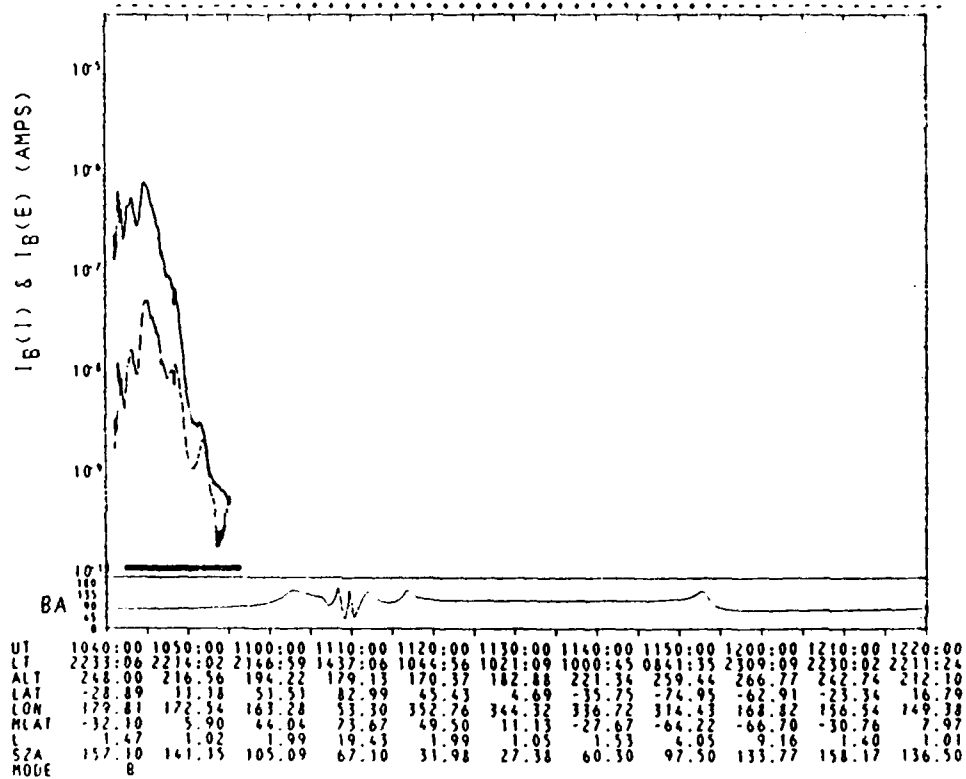
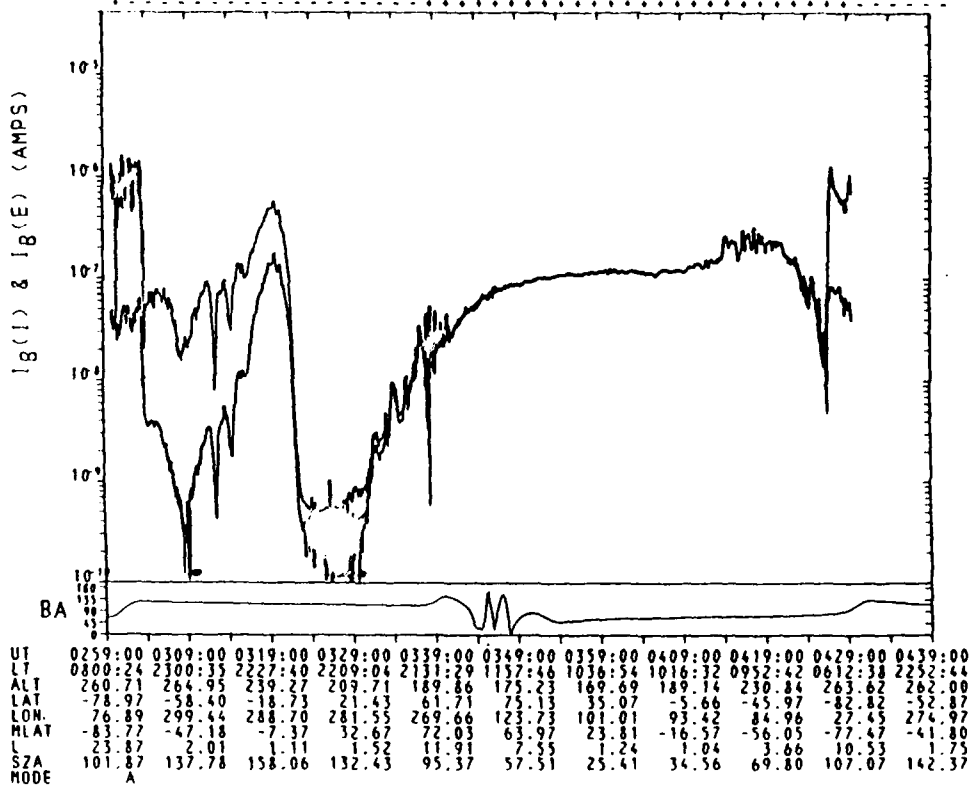
UT	1957:00	2007:00	2017:00	2027:00	2037:00	2047:00	2057:00	2107:00	2117:00	2127:00	2137:00
LT	0736:42	2258:01	2226:51	2208:15	2128:33	1149:26	1036:00	1015:52	0951:24	0533:30	2251:17
ALT	267.08	272.72	248.32	218.60	196.54	178.67	171.00	190.88	234.69	269.74	270.22
LAT	-80.32	-56.79	-17.18	22.88	63.06	73.90	33.75	-6.98	-47.27	-83.32	-51.69
LON	176.48	44.31	34.02	26.87	14.45	227.17	206.31	198.78	190.16	123.27	-30.43
MLAT	-78.33	-59.97	-19.71	20.95	61.84	75.34	34.37	-6.96	-47.86	-84.87	-50.44
L	23.26	4.11	1.33	1.08	4.17	18.06	1.46	1.02	2.51	38.36	2.89
SZA	103.80	139.47	157.80	130.88	93.76	55.97	24.54	35.80	71.32	108.58	143.62
MODE	A										

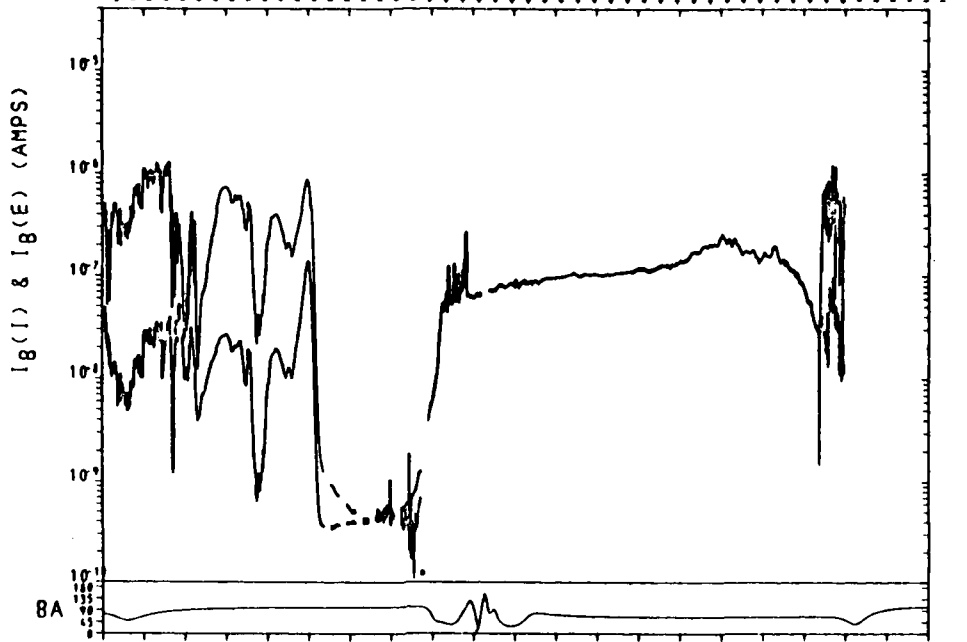


UT	0152:00	0202:00	0212:00	0222:00	0232:00	0242:00	0252:00	0302:00	0312:00	0322:00	0332:00
LT	0720:48	2256:39	2226:23	2207:43	2126:12	1143:35	1035:19	1015:24	0950:23	0457:21	2250:04
ALT	266.00	270.08	244.94	215.53	194.25	177.22	170.55	191.29	234.91	268.54	267.42
LAT	-81.01	-55.85	-16.20	23.90	64.09	72.91	32.68	-8.05	-48.32	-83.58	-50.62
LOX	-83.75	315.22	305.15	297.99	285.11	136.95	117.39	109.91	101.15	25.39	291.07
MLAT	-84.95	-45.38	-5.25	35.12	75.39	62.35	21.42	-19.41	-59.53	-77.57	-39.27
L	27.51	1.97	1.12	1.62	15.77	6.29	1.19	1.06	4.68	10.69	1.63
SZA	104.61	140.20	159.58	130.03	92.83	55.07	24.10	36.60	72.24	109.50	144.41
MODE	A										

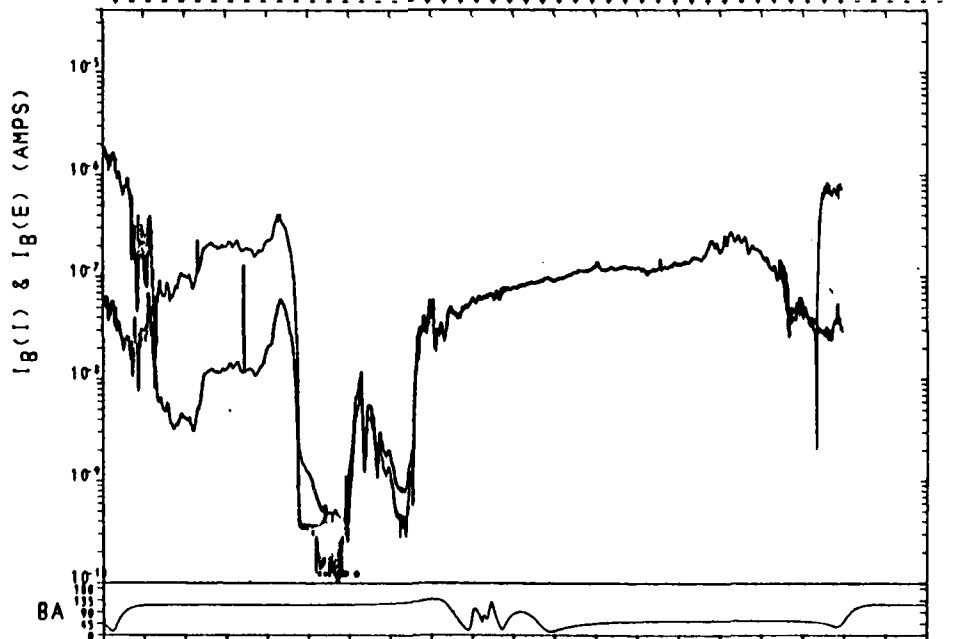
NOT CURRENTLY AVAILABLE



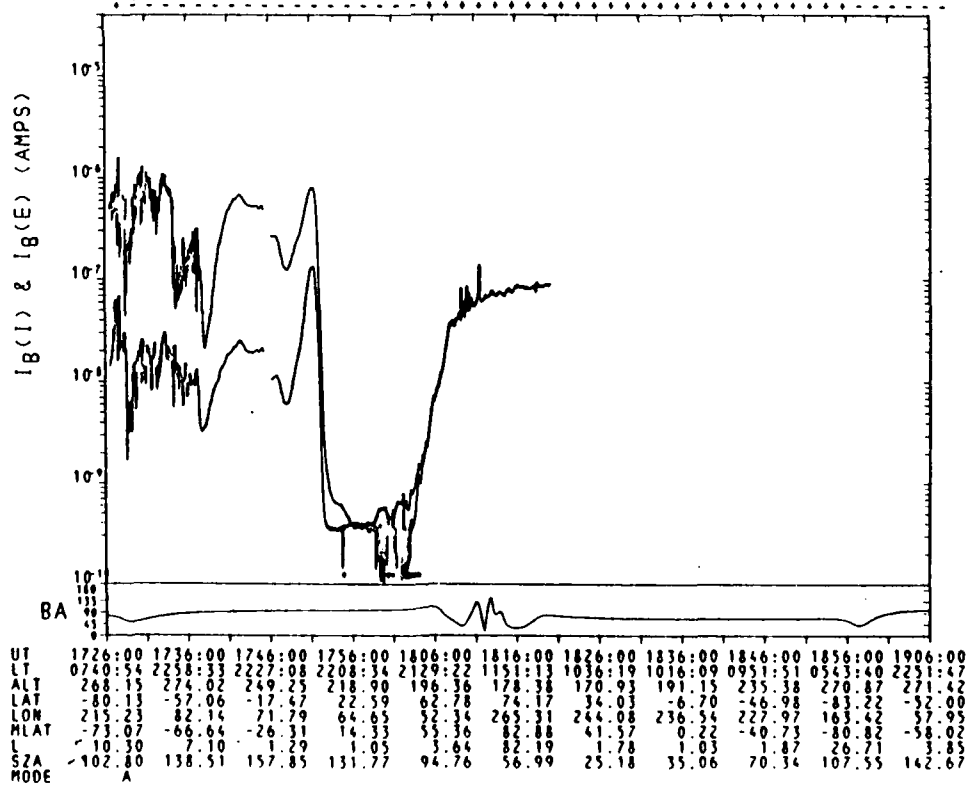
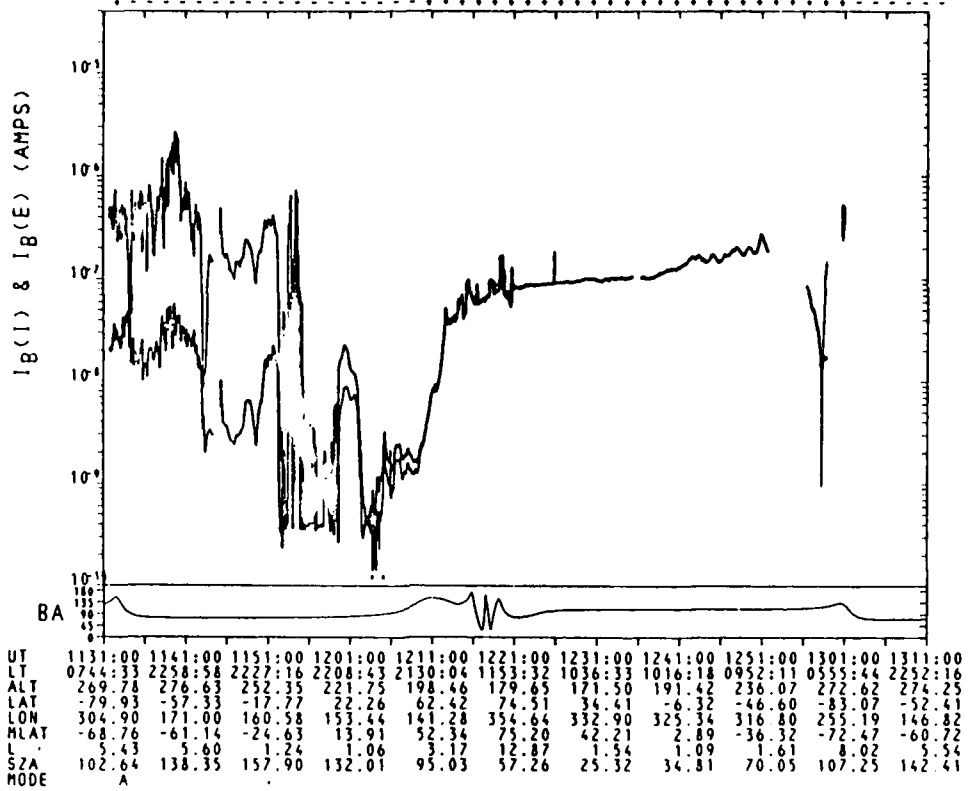


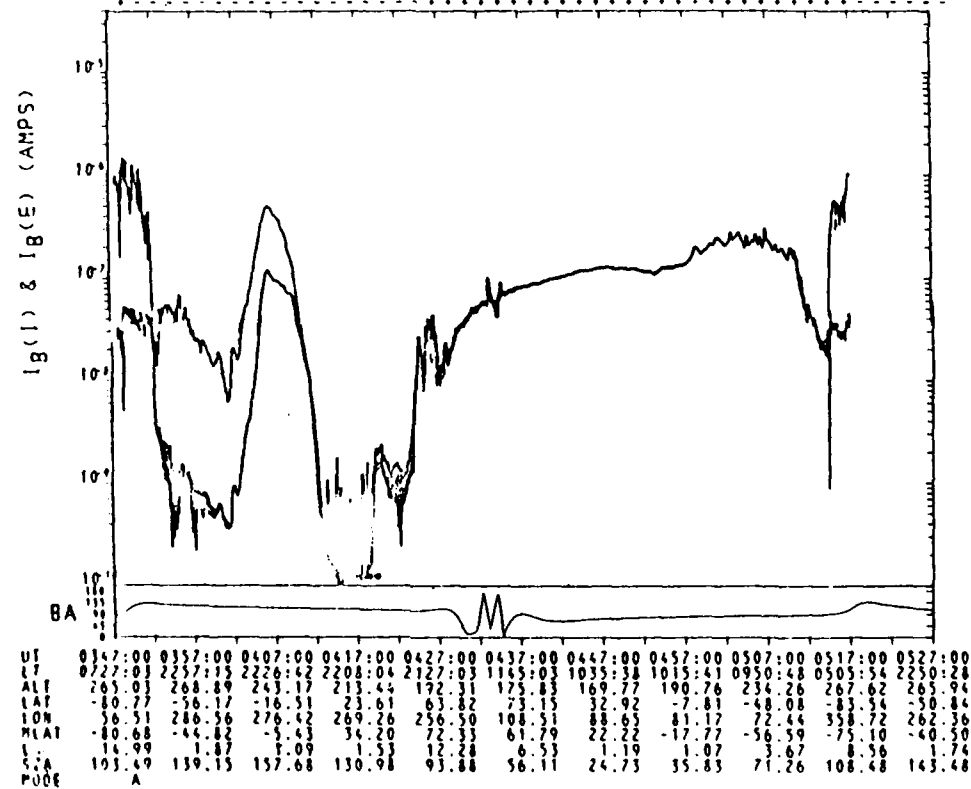
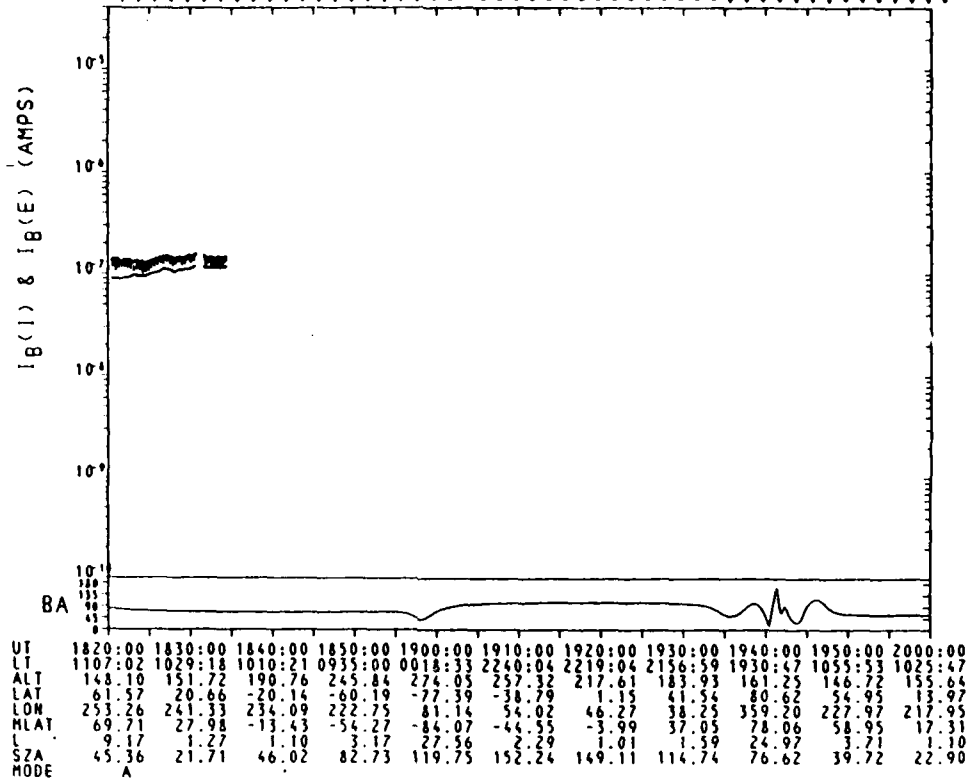


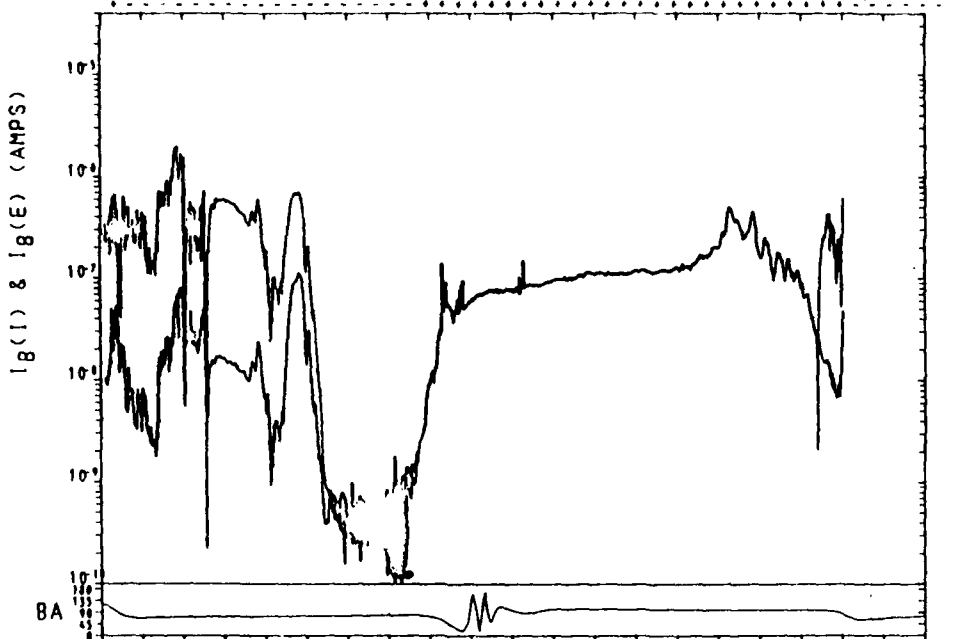
UT	1746:00	1756:00	1806:00	1816:00	1826:00	1836:00	1846:00	1856:00	1906:00	1916:00	1926:00
LT	0733:25	2257:38	2226:44	2208:03	2127:09	1145:14	1035:35	1015:38	0950:49	0508:22	2250:24
ALT	261.18	261.98	234.69	203.52	187.04	173.99	170.37	191.63	233.20	263.27	238.38
LAT	-80.49	-36.50	-16.76	23.45	63.74	73.20	32.98	-7.73	-47.99	-83.53	-30.86
LOW	-208.38	-76.94	-66.71	59.54	46.81	238.84	-238.92	231.43	222.73	149.62	-52.63
MLAT	-74.12	-63.41	-24.92	15.88	57.04	80.97	39.71	-1.63	-42.55	-82.35	-55.95
L	1.70	6.24	-1.27	1.07	3.88	50.72	1.67	-1.03	-2.00	31.55	3.50
SZA	103.51	139.24	157.72	130.80	93.59	55.78	24.51	36.04	71.53	108.78	143.82
MODE	A										



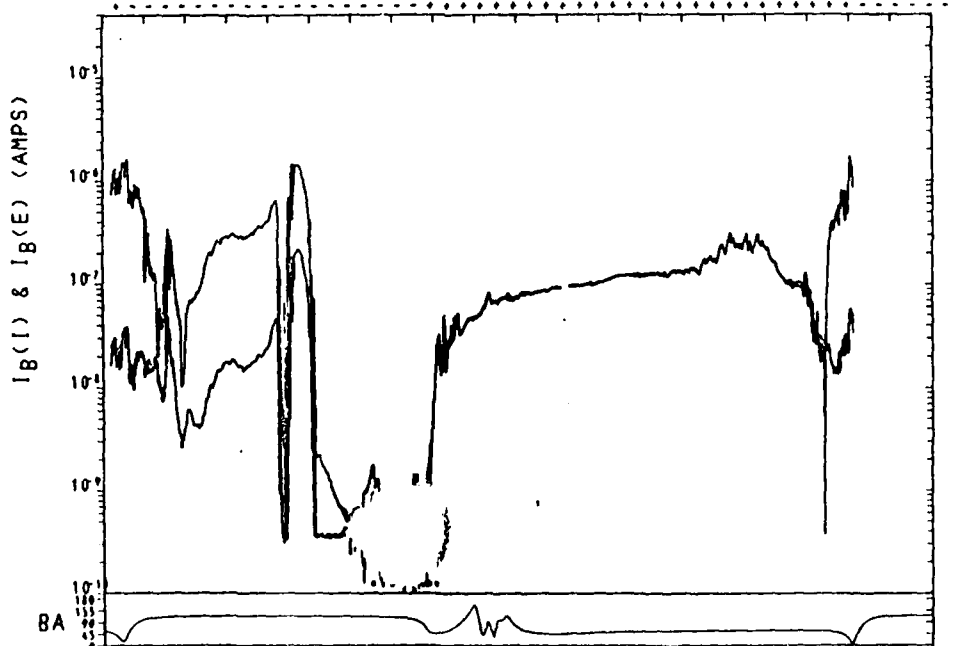
UT	2341:00	2351:00	0001:00	0011:00	0021:00	0031:00	0041:00	0051:00	0101:00	0111:00	0121:00
LT	0728:15	2257:26	2226:44	2208:12	2128:15	1148:33	1035:54	1015:49	0951:20	0532:32	2251:08
ALT	272.65	279.99	256.25	223.64	206.93	187.46	175.44	192.98	239.01	277.49	279.13
LAT	-80.71	-56.34	-16.81	23.17	63.25	73.78	33.65	-7.06	-47.32	-83.34	-51.70
LOW	118.33	348.13	337.96	330.82	318.33	170.91	150.25	142.72	134.10	66.90	324.05
MLAT	-87.38	-49.41	-9.14	31.43	72.38	66.23	24.79	-16.48	-57.36	-82.16	-41.99
L	68.97	2.52	1.22	1.23	8.11	7.51	1.22	1.06	4.23	18.13	1.88
SZA	103.73	139.51	157.73	131.10	94.11	56.41	24.89	35.49	70.86	108.06	143.08
MODE	A										



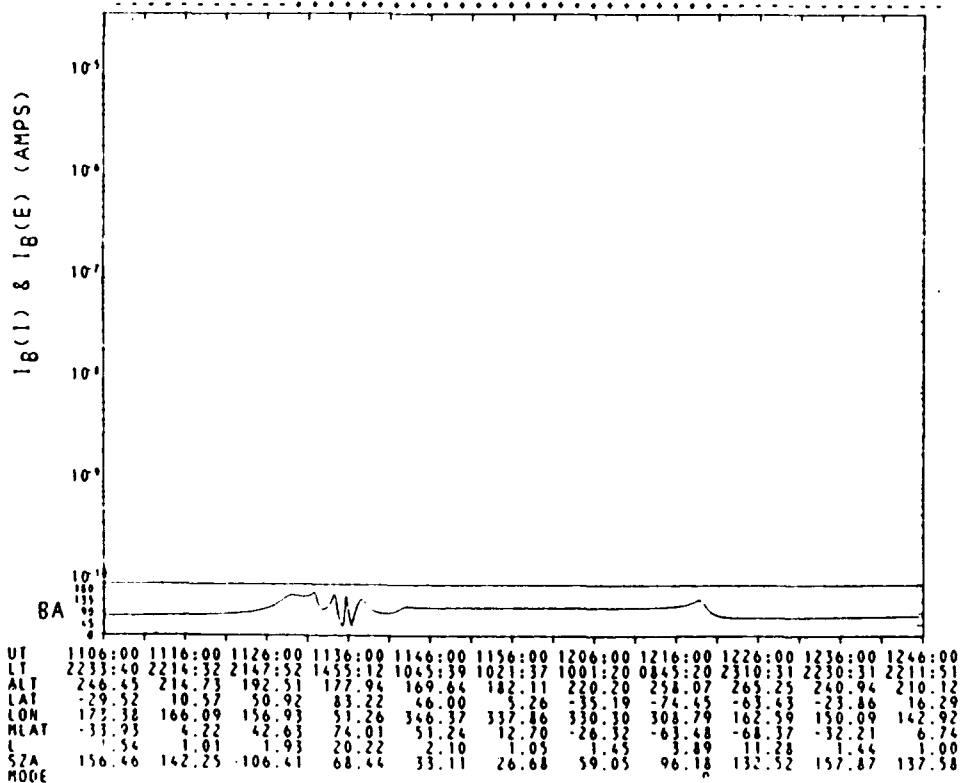
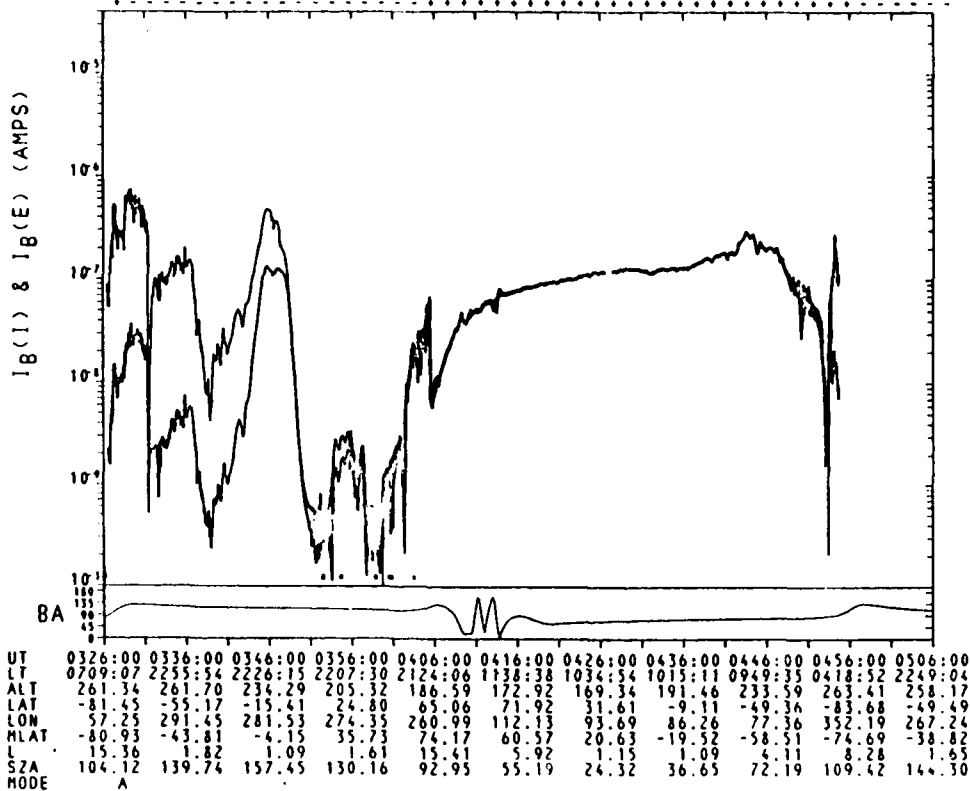


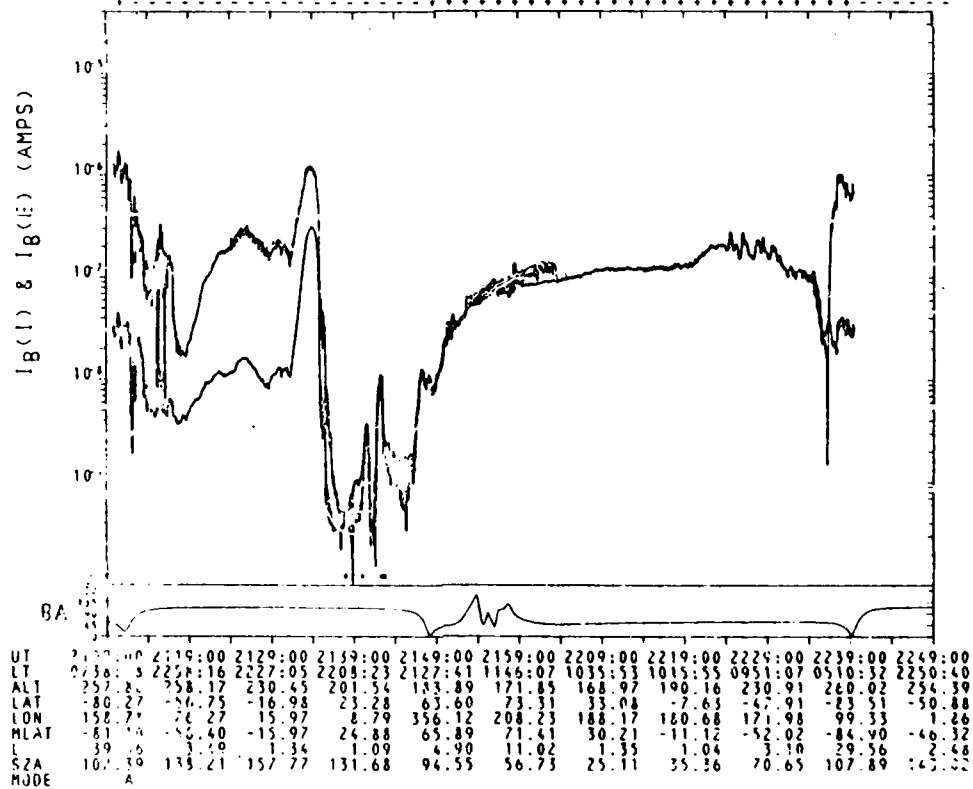
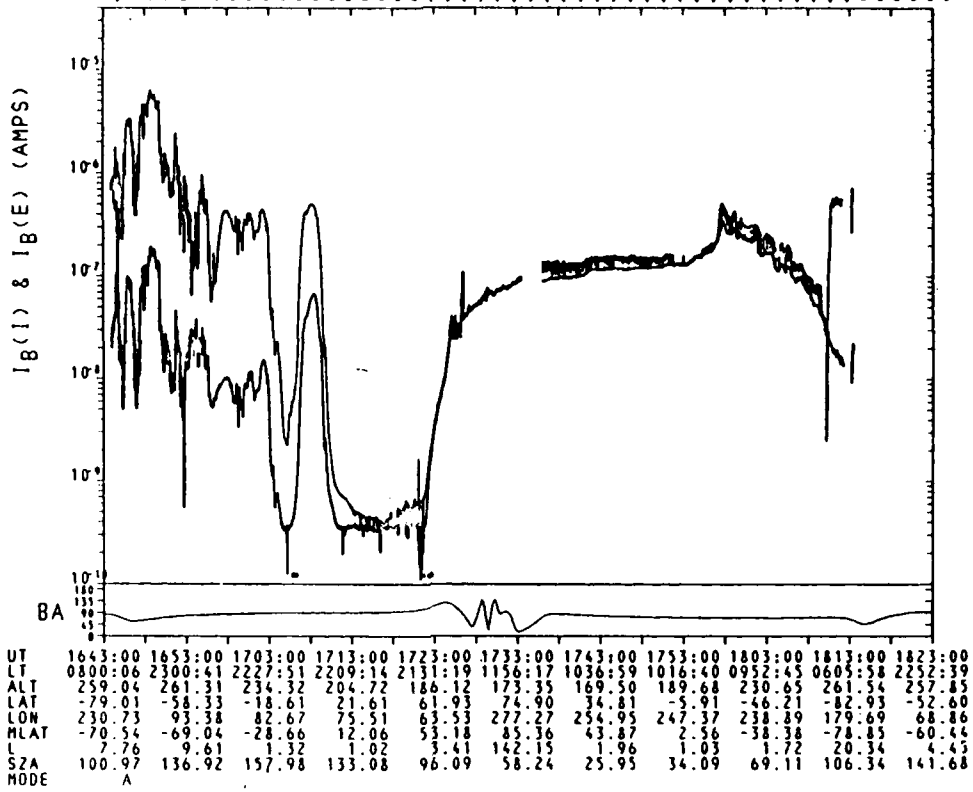


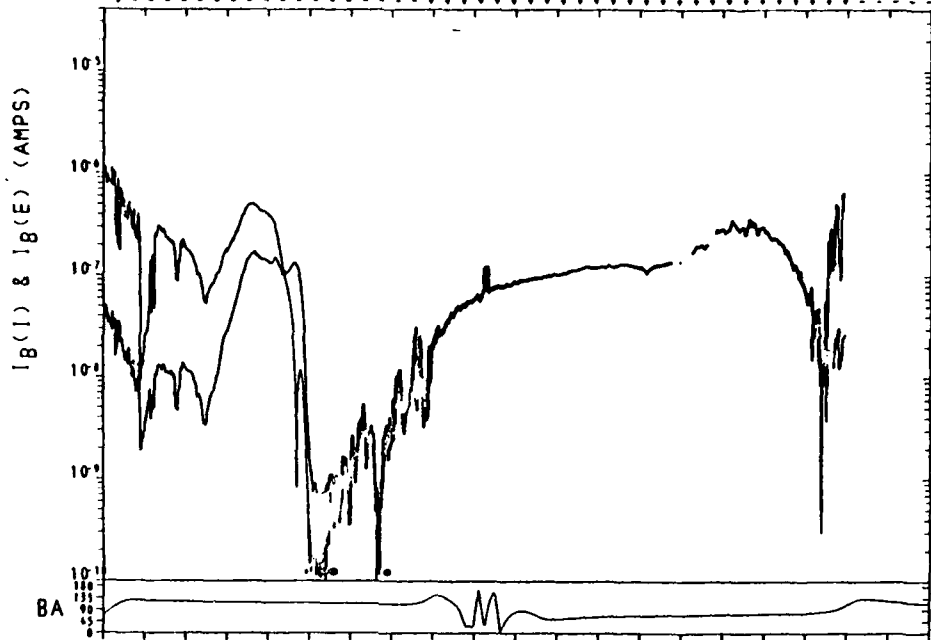
UT	1408:00	1418:00	1428:00	1438:00	1448:00	1458:00	1508:00	1518:00	1528:00	1538:00	1548:00
LT	0743:10	2258:47	2227:13	2208:37	2129:15	1150:38	1036:18	1016:10	0951:50	0540:29	2251:40
ALT	265.30	269.03	242.92	212.76	191.92	176.32	170.79	191.55	234.64	267.87	266.10
LAT	-80.01	-57.17	-17.52	22.61	62.85	74.07	33.92	-6.80	-47.07	-83.26	-51.86
LON	265.27	131.68	121.29	114.14	101.80	314.64	293.56	286.03	277.44	212.10	107.40
MLAT	-69.12	-67.31	-28.61	11.29	51.56	82.59	45.25	4.54	-35.91	-75.59	-63.21
L	6.05	10.39	1.25	1.03	3.41	31.34	2.14	1.10	1.52	12.32	6.34
SZA	102.44	138.20	157.86	131.95	94.92	57.12	25.29	34.97	70.20	107.41	142.57
MODE	A										



UT	2131:00	2141:00	2151:00	2201:00	2211:00	2221:00	2231:00	2241:00	2251:00	2301:00	2311:00
LT	0752:05	2259:44	2227:32	2208:55	2130:20	1153:41	1036:39	1016:25	0952:17	0554:02	2252:11
ALT	262.11	265.71	239.51	209.65	189.57	174.83	169.70	190.00	232.20	264.77	262.57
LAT	-79.51	-57.76	-18.08	22.08	62.35	74.52	34.40	-6.32	-46.61	-83.09	-52.25
LON	156.75	21.16	10.61	3.45	351.31	204.64	182.89	175.33	166.79	104.73	356.77
MLAT	-81.23	-56.36	-16.01	24.74	63.71	71.75	30.52	-10.82	-51.75	-85.49	-46.79
L	45.26	3.45	1.36	1.08	4.71	11.77	1.35	1.03	3.06	33.91	2.46
SZA	101.76	137.62	157.93	132.49	95.47	57.65	25.38	34.55	69.70	106.93	142.17
MODE	A										

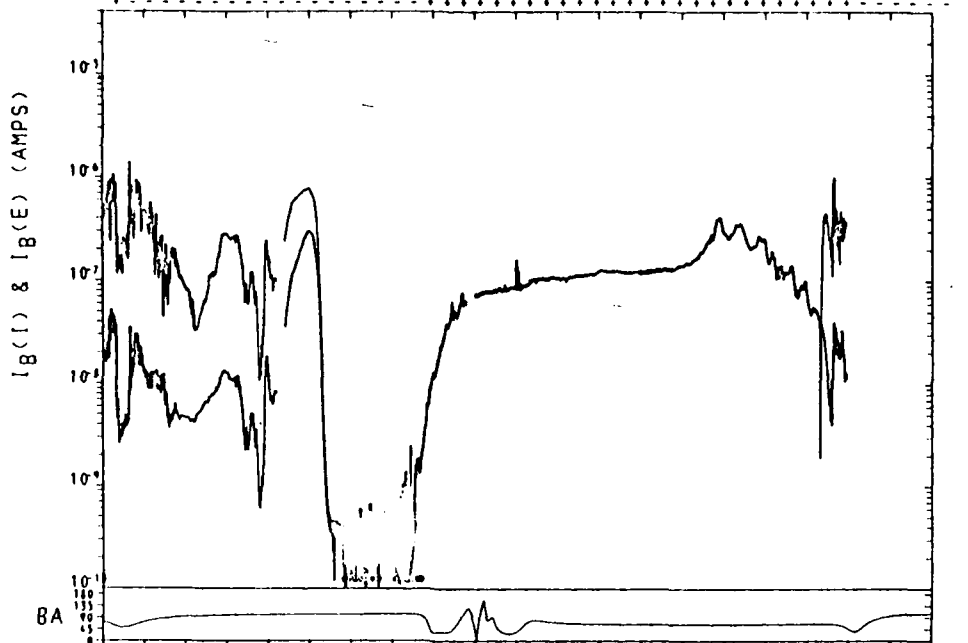




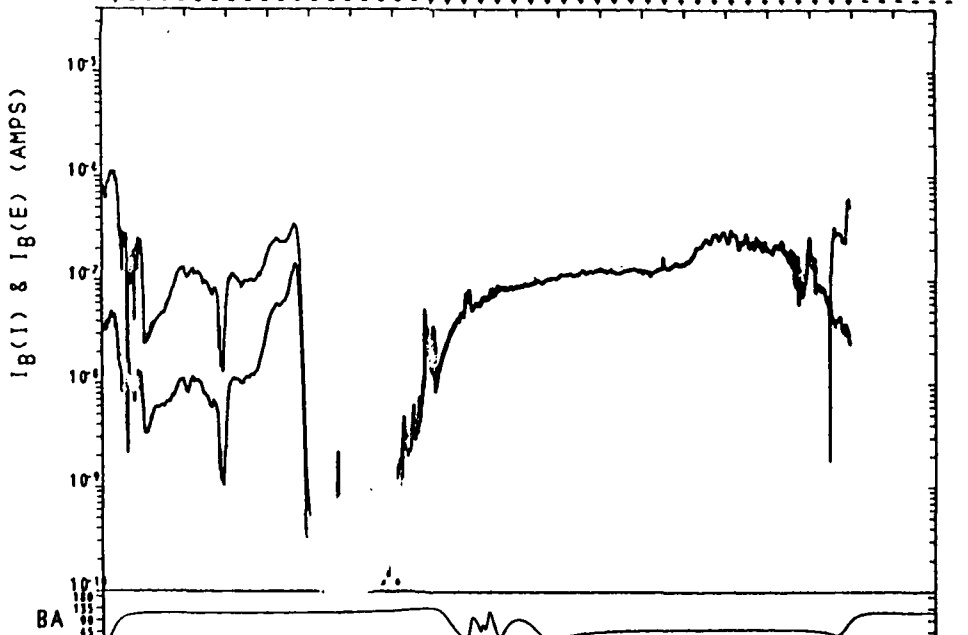


UT	0305:00	0315:00	0325:00	0335:00	0345:00	0355:00	0405:00	0415:00	0425:00	0435:00	0445:00
LT	0702:45	2255:46	2226:21	2207:44	2125:21	1141:25	1035:20	1015:31	0950:16	0442:54	2250:01
ALT	274.10	280.74	256.65	225.93	201.23	180.35	171.48	192.86	239.41	276.68	278.48
LAT	-81.66	-55.01	-15.47	24.51	64.60	72.46	32.20	-8.54	-48.79	-83.64	-50.31
LOX	60.88	296.63	286.78	279.63	266.53	118.05	99.02	91.57	82.76	-3.42	272.70
MLAT	-81.48	-43.72	-4.12	35.69	74.47	61.18	21.01	-19.33	-58.60	-75.56	-39.34
L	16.52	1.82	1.10	1.63	15.98	6.13	1.17	-1.08	4.20	8.92	1.66
SZA	104.14	139.61	157.49	130.65	93.66	55.98	24.75	36.01	71.40	108.54	143.41
MODE	A										

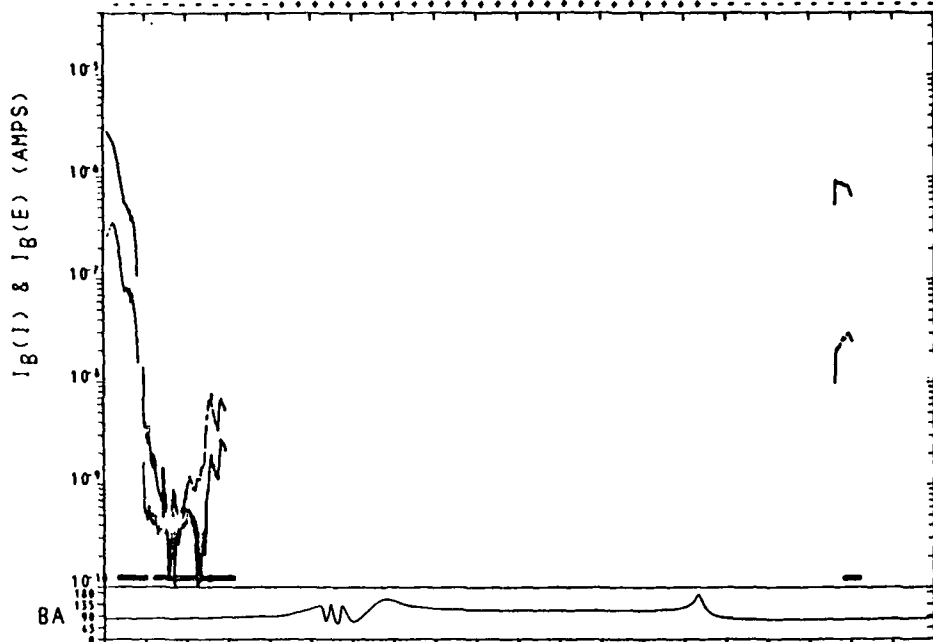
NOT CURRENTLY AVAILABLE



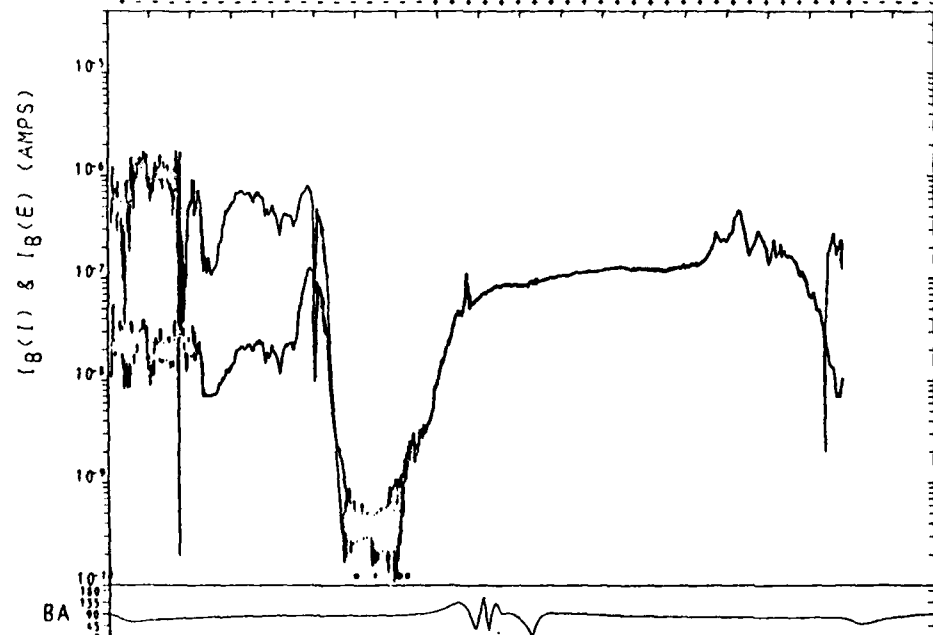
UT	1753:00	1803:00	1813:00	1823:00	1833:00	1843:00	1853:00	1903:00	1913:00	1923:00	1933:00
LT	0654:13	2255:14	2226:11	2207:30	2123:55	1138:27	1035:00	1013:17	0949:41	0419:53	2249:22
ALT	271.50	275.87	250.53	220.18	197.07	178.23	171.18	193.33	238.92	273.86	273.24
LAT	-81.92	-54.58	-14.98	25.07	65.19	71.86	31.96	-9.17	-49.40	-83.68	-49.64
LON	196.73	74.48	64.72	57.55	44.15	255.29	236.92	229.50	220.59	135.64	-50.51
MLAT	-76.40	-63.21	-22.88	17.76	58.79	79.26	37.98	-3.36	-44.27	-83.67	-54.40
L	15.04	5.36	1.23	1.10	4.26	34.76	1.59	1.03	2.12	34.89	3.29
SZA	104.34	139.80	157.39	130.32	93.26	55.58	24.57	36.37	71.81	108.95	143.78
MODE	A										



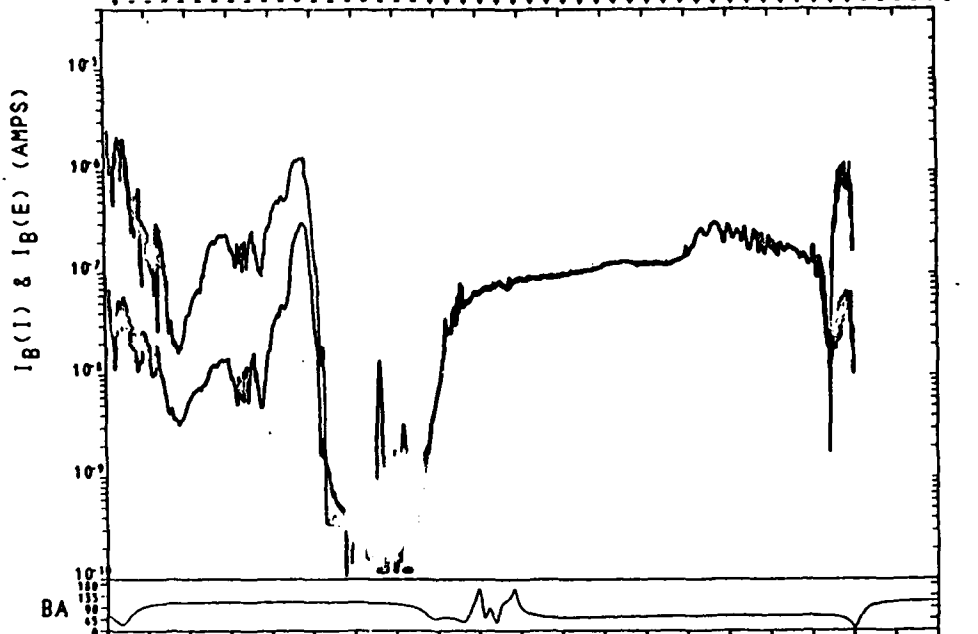
UT	2348:00	2358:00	0008:00	0018:00	0028:00	0038:00	0048:00	0058:00	0108:00	0118:00	0128:00
LT	0646:51	2254:50	2226:01	2207:15	2122:25	1134:58	1034:17	1014:37	0948:05	0329:54	2247:42
ALT	269.72	273.11	243.88	209.01	182.12	159.47	150.54	176.72	230.78	271.59	270.23
LAT	-82.11	-54.25	-11.62	25.49	65.74	71.12	30.55	-10.37	-50.71	-83.53	-44.25
LON	106.13	345.63	335.92	328.73	315.02	165.66	147.99	140.57	131.44	34.59	321.34
MLAT	-86.49	-47.03	-6.68	34.01	75.19	63.17	21.45	-20.01	-60.98	-78.50	-38.33
L	40.95	2.35	1.18	1.30	10.88	5.80	1.16	1.10	5.55	11.73	1.71
SZA	104.56	140.01	157.31	130.00	92.80	54.95	24.20	37.29	72.98	110.16	144.78
MODE	A										



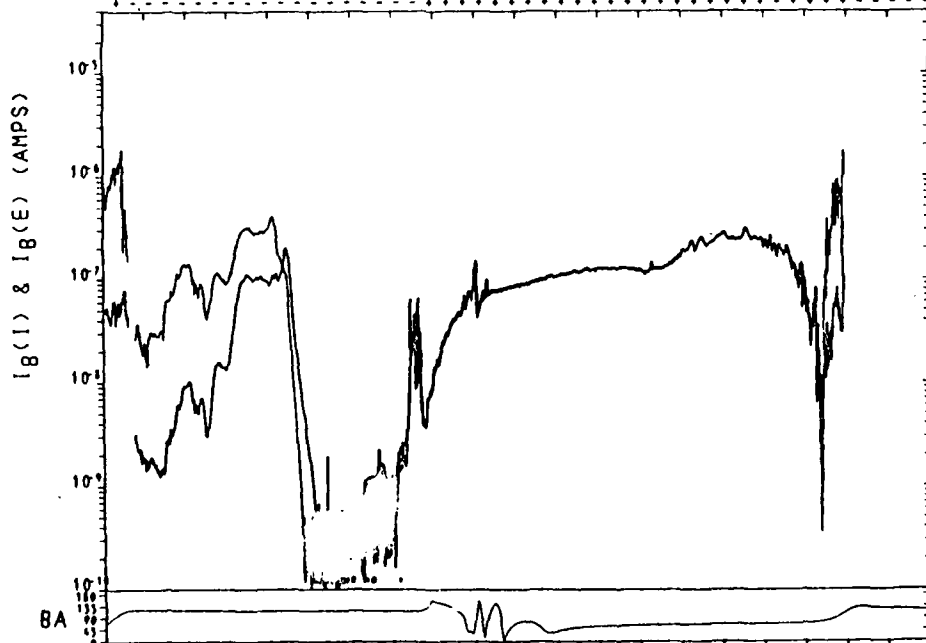
UT	0859:00	0909:00	0919:00	0929:00	0939:00	0949:00	0959:00	1009:00	1019:00	1029:00	1039:00
LT	2229:27	2210:55	2137:19	1223:19	1039:25	1018:17	0955:45	0723:13	2257:16	2226:55	2208:17
ALT	252.74	221.33	197.76	179.74	170.98	188.53	231.95	269.79	273.55	247.76	217.09
LAT	-21.49	18.54	58.77	77.84	38.13	-2.62	-42.95	-80.94	-55.99	-16.38	23.71
LOX	204.02	196.89	185.98	44.98	16.51	-8.73	0.59	319.96	190.97	180.88	173.72
MLAT	-20.14	17.67	54.55	70.13	37.81	-0.48	-38.43	-70.30	-55.97	-19.65	18.43
L	1.18	1.13	2.98	11.45	1.45	1.08	2.08	5.96	3.80	1.15	1.13
SZA	157.96	136.10	99.55	61.71	28.19	31.39	65.66	102.81	138.44	157.68	131.67
MODE	B										



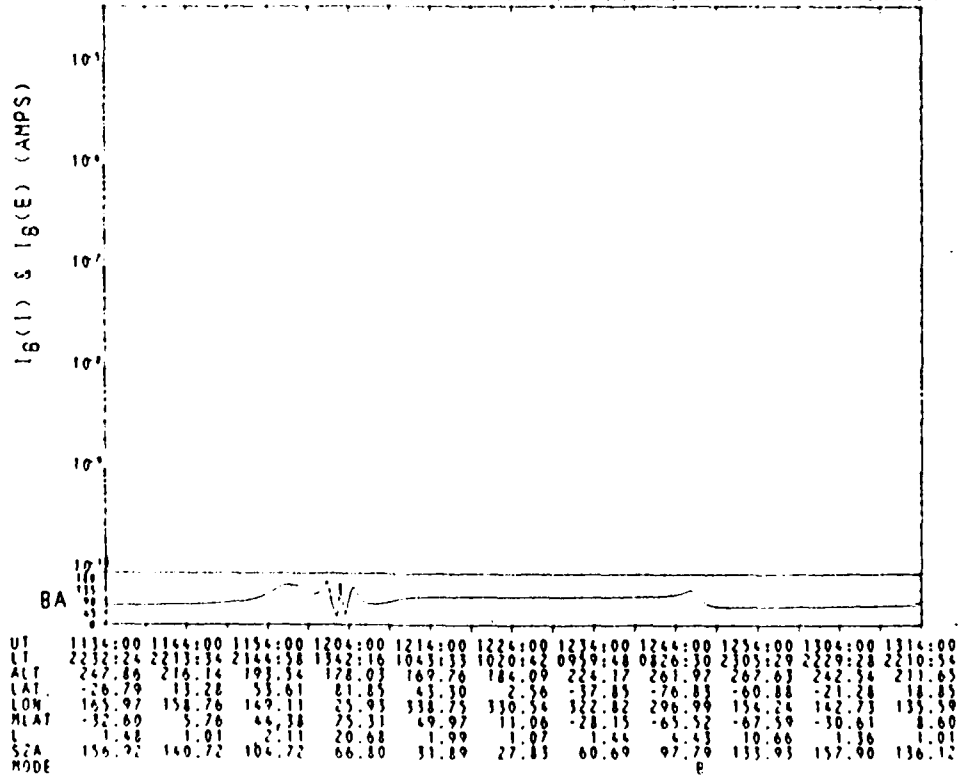
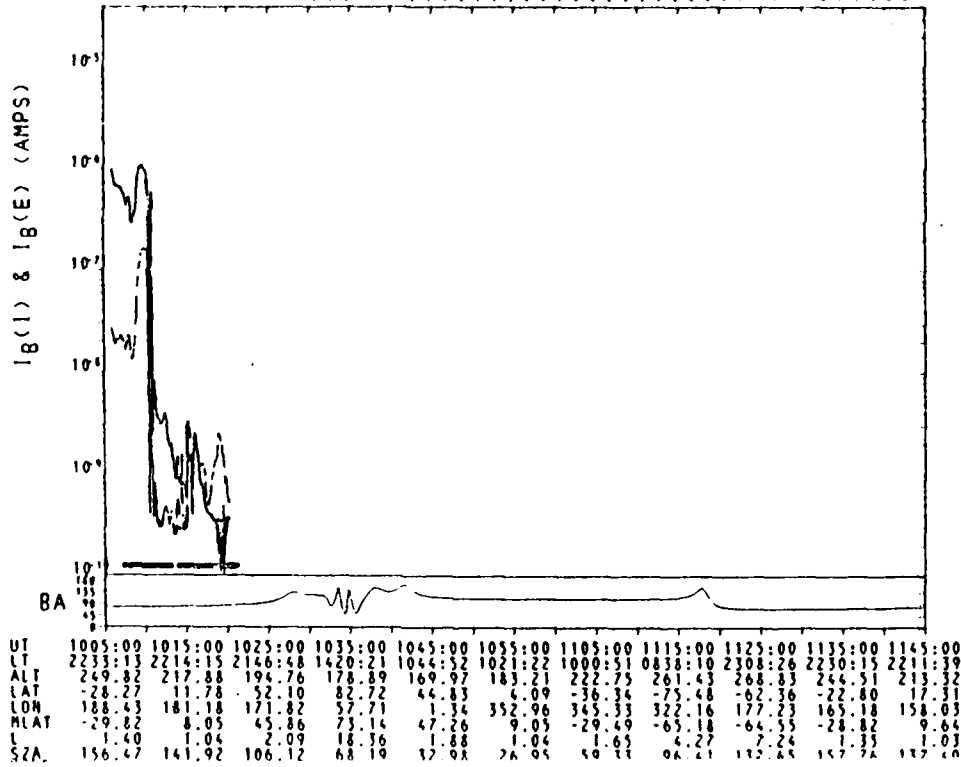
UT	1604:00	1614:00	1624:00	1634:00	1644:00	1654:00	1704:00	1714:00	1724:00	1734:00	1744:00
LT	0707:41	2256:07	2226:31	2207:50	2125:00	1140:15	1035:18	1015:33	0950:10	0433:10	2249:47
ALT	268.23	270.87	244.24	213.98	192.55	176.12	170.90	193.29	237.62	270.56	267.89
LAT	-81.51	-55.16	-15.51	24.61	64.80	72.21	31.92	-8.79	-49.03	-83.67	-49.96
LOX	227.32	101.92	92.02	84.85	71.65	282.96	264.22	256.78	247.93	166.18	77.84
MLAT	-72.95	-66.39	-26.31	14.20	55.16	83.38	42.05	0.81	-40.05	-80.51	-59.16
L	9.38	8.14	1.23	1.04	3.96	62.39	1.88	1.04	1.77	24.51	6.29
SZA	103.49	139.07	157.52	130.94	93.89	56.17	24.89	35.89	71.21	108.35	143.29
MODE	A										

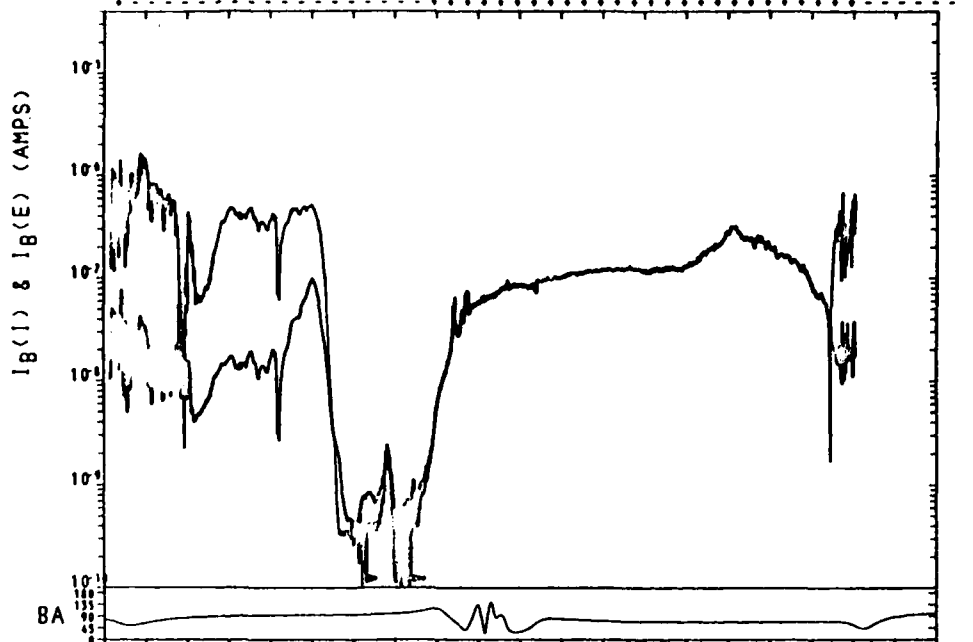


UT	2030:00	2040:00	2050:00	2100:00	2110:00	2120:00	2130:00	2140:00	2150:00	2200:00	2210:00
LT	0708:18	2256:10	2226:32	2207:50	2124:53	1140:01	1035:18	1015:32	0950:06	0430:04	2249:43
ALT	266.67	268.83	241.99	211.95	191.03	175.17	170.34	192.73	236.63	268.92	265.69
LAT	-81.49	-59.17	-15.50	24.64	64.85	72.15	31.86	-8.86	-49.10	-83.67	-49.85
LON	160.96	35.43	25.52	18.35	5.11	216.39	197.71	190.27	181.41	98.90	11.33
MLAT	-81.01	-56.71	-16.40	24.33	65.24	71.97	30.84	-10.48	-51.34	-84.74	-47.02
L	33.09	3.57	1.30	1.10	4.96	11.45	1.36	1.04	2.98	28.88	2.60
SZA	103.41	139.01	157.52	130.96	93.90	56.17	24.89	35.90	71.23	108.38	143.32
MODE	A										

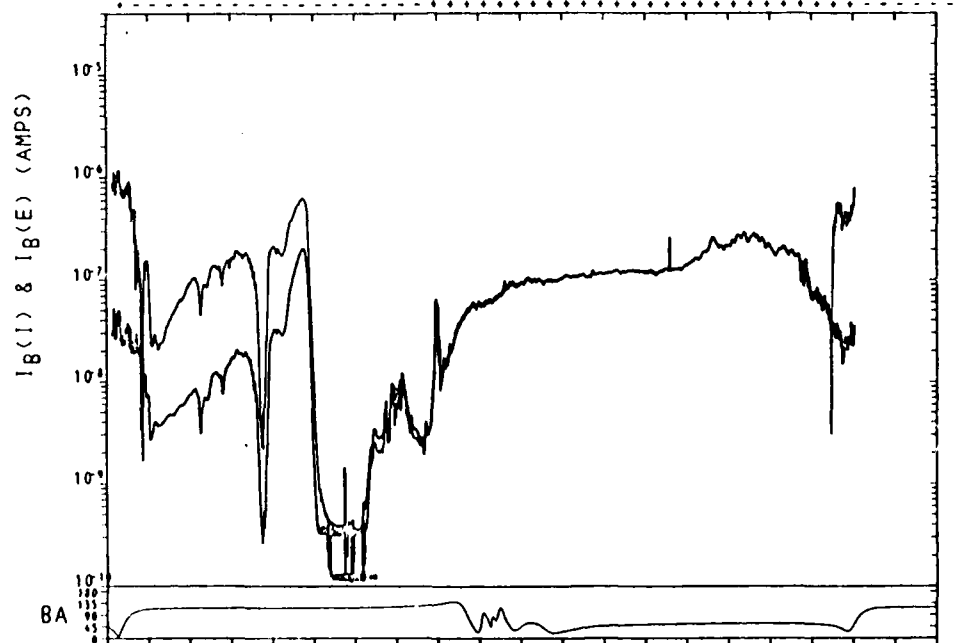


UT	0225:00	0235:00	0245:00	0255:00	0305:00	0315:00	0325:00	0335:00	0345:00	0355:00	0405:00
LT	0625:48	2253:47	2225:41	2206:49	2119:43	1131:30	1034:07	1014:40	0948:01	0319:40	2247:41
ALT	265.55	265.26	237.54	208.18	188.36	175.30	170.03	193.75	237.38	267.43	261.86
LAT	-82.59	-53.36	-13.62	26.37	66.76	70.27	29.87	-10.84	-51.05	-83.46	-47.88
LON	61.58	306.08	296.55	289.33	275.06	125.50	108.66	101.30	92.13	32.54	282.05
MLAT	-81.61	-42.38	-2.34	37.93	77.46	59.20	18.51	-22.08	-61.73	-74.56	-36.60
L	16.71	1.78	1.11	1.75	23.14	5.18	1.12	1.11	5.30	8.19	1.54
SZA	105.03	140.45	157.09	129.34	92.13	54.46	24.08	37.40	72.97	110.12	144.80
MODE	A										





UT	1711:00	1721:00	1731:00	1741:00	1751:00	1801:00	1811:00	1821:00	1831:00	1841:00	1851:00
LT	0729:06	2257:44	2227:07	2208:27	2127:10	1144:27	1035:56	1016:02	0951:06	0500:54	2250:40
ALT	262.79	263.95	236.38	206.61	187.31	173.60	170.00	191.92	234.31	263.05	260.50
LAT	-80.71	-56.23	-16.31	23.69	63.97	72.98	32.74	-7.98	-48.23	-83.58	-50.63
LOW	215.88	85.54	75.39	68.22	55.40	267.22	247.59	240.12	231.34	156.33	61.27
MLAT	-73.44	-66.22	-25.79	14.96	56.11	82.25	40.82	-0.50	-41.43	-81.61	-57.31
L	10.48	7.07	1.26	1.06	3.87	65.64	1.74	1.03	1.90	28.65	3.74
SZA	102.13	137.89	157.70	132.01	94.99	57.21	25.47	35.04	70.18	107.34	142.46
MODE	A										



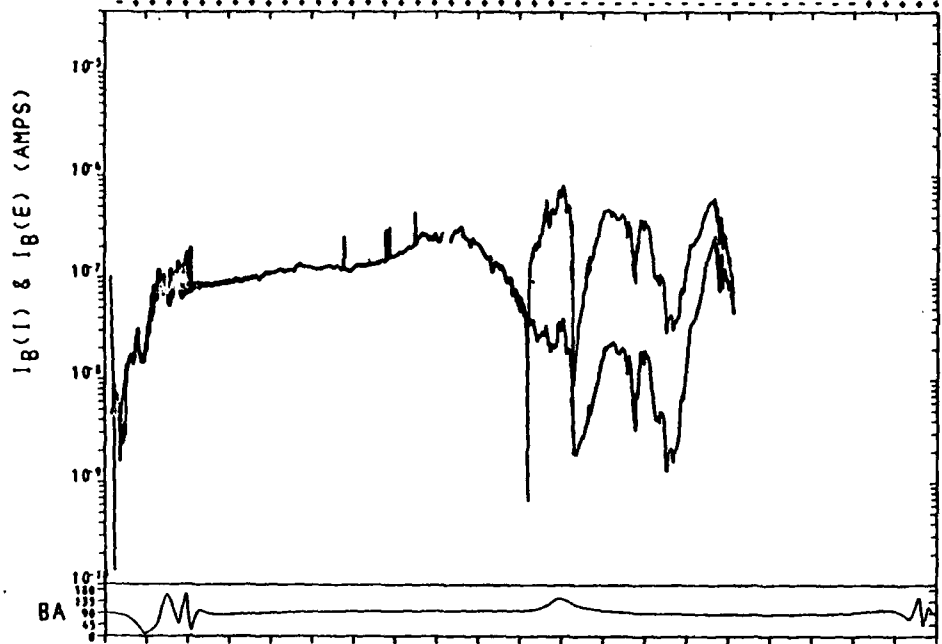
UT	2306:00	2316:00	2326:00	2336:00	2346:00	2356:00	0006:00	0016:00	0026:00	0036:00	0046:00
LT	0726:49	2257:46	2227:13	2208:39	2128:23	1147:57	1036:22	1016:18	0951:32	0512:49	2250:48
ALT	272.61	279.72	255.55	224.77	200.53	180.47	169.09	183.10	223.05	253.57	254.07
LAT	-80.80	-56.22	-16.68	23.31	63.43	73.57	33.40	-7.36	-47.73	-83.50	-50.87
LOW	126.55	356.79	346.66	339.51	326.94	179.34	158.94	151.42	142.73	70.55	332.55
MLAT	-86.27	-50.61	-10.34	30.26	71.21	67.12	25.66	-15.70	-56.74	-82.51	-42.05
L	71.94	2.71	1.26	1.17	7.05	7.83	1.24	1.07	4.09	18.96	1.95
SZA	102.18	137.82	157.72	132.40	95.57	57.86	25.85	34.53	69.66	106.96	142.21
MODE	A										

NRL 747

08/10/78

REV 2379

FORMAT A



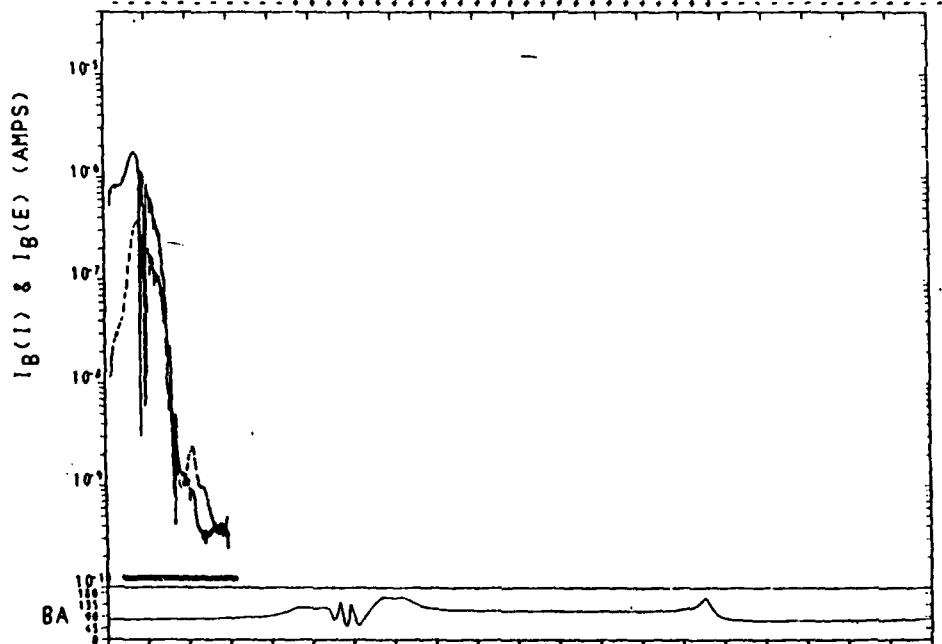
UT	0538:00	0548:00	0558:00	0608:00	0618:00	0628:00	0638:00	0648:00	0658:00	0708:00	0718:00
LT	2148:04	1452:37	1045:56	1021:56	1001:39	0845:22	2310:54	2230:59	2212:24	2141:40	1256:55
ALT	204.93	184.85	171.49	181.99	222.45	265.67	278.51	257.86	226.80	202.01	182.27
LAT	51.11	83.20	45.94	5.18	-35.29	-74.52	-63.46	-24.05	15.91	56.12	80.08
LOX	243.86	137.50	73.32	64.83	57.25	35.68	249.56	237.08	229.94	219.75	86.07
MLAT	58.19	72.35	36.43	-2.94	-41.69	-73.66	-54.05	-16.83	21.42	58.45	69.16
L	3.71	17.89	1.71	1.00	2.06	8.00	2.83	1.16	1.16	3.59	12.45
SZA	107.27	69.43	34.01	26.25	58.16	95.18	131.44	157.49	138.75	102.59	64.76
MODE	A										

NRL 747

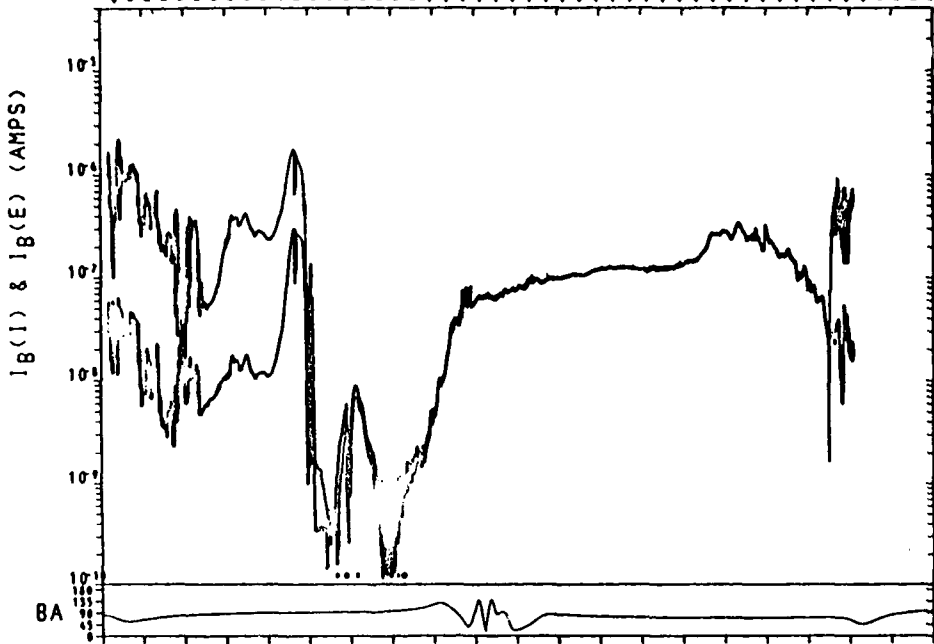
08/10/78

REV 2381

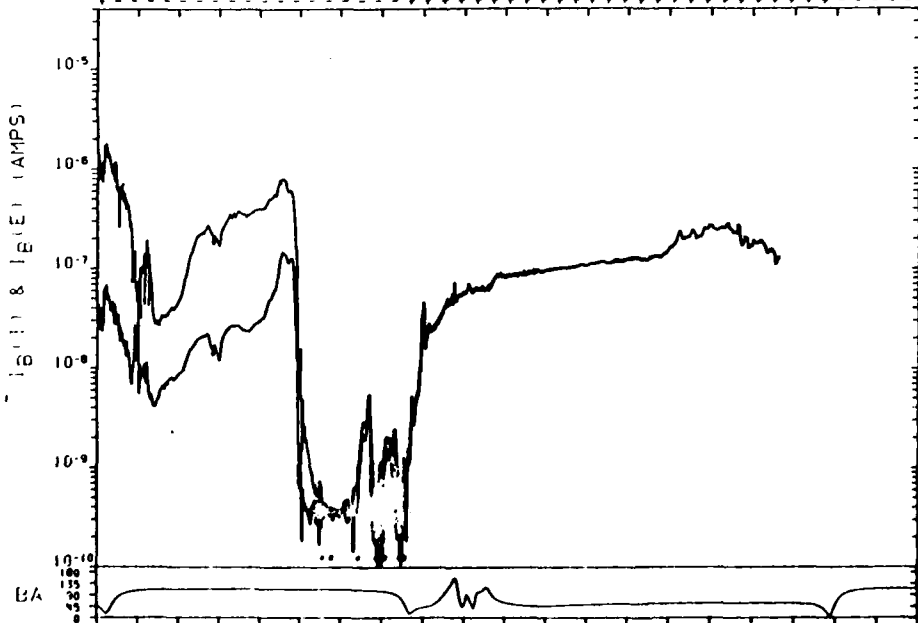
FORMAT C



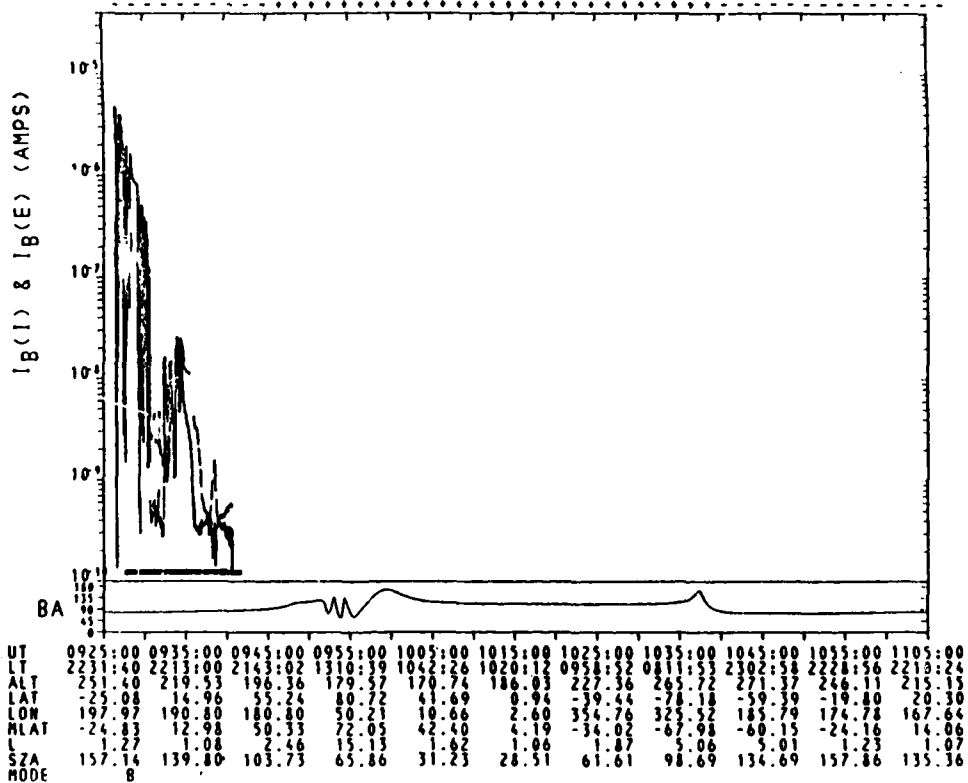
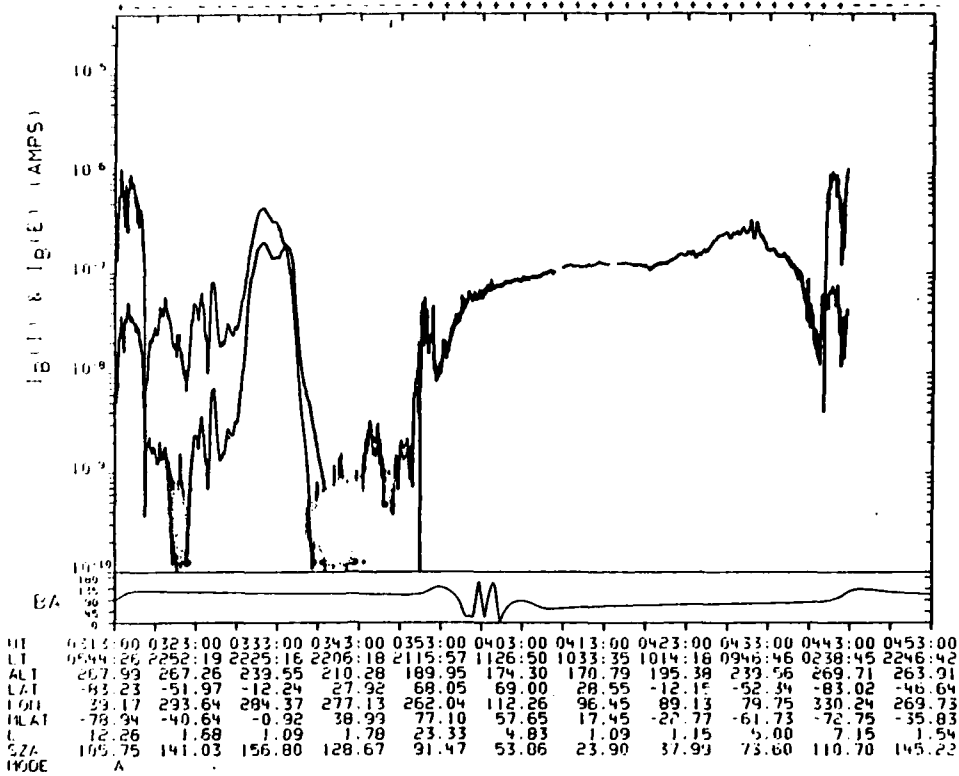
UT	0945:00	0955:00	1005:00	1015:00	1025:00	1035:00	1045:00	1055:00	1105:00	1115:00	1125:00
LT	2232:19	2213:35	2144:58	1342:08	1043:40	1020:48	0959:34	0826:49	2305:46	2229:41	2211:10
ALT	239.47	227.93	202.77	183.27	171.53	184.63	226.32	267.78	277.36	274.80	223.59
LAT	-26.47	13.47	53.69	81.84	43.32	2.56	-37.86	-76.81	-60.98	-21.50	18.50
LOX	193.16	185.98	176.33	53.12	6.00	357.78	350.06	324.29	181.53	170.00	162.87
MLAT	-27.14	10.61	48.11	72.74	44.89	6.67	-31.70	-60.59	-62.43	-26.89	11.54
L	1.32	1.06	2.20	16.94	1.73	1.05	1.76	1.65	6.02	1.29	1.05
SZA	156.90	140.78	104.91	67.06	32.13	27.69	60.44	97.50	133.58	157.82	136.63
MODE	B										

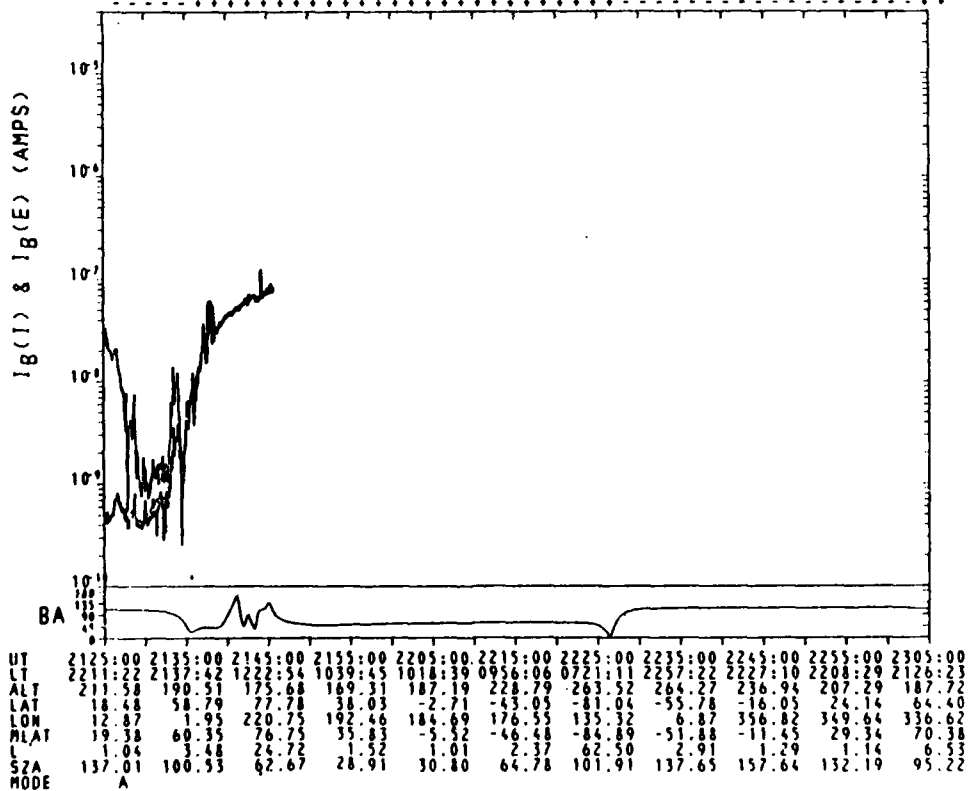
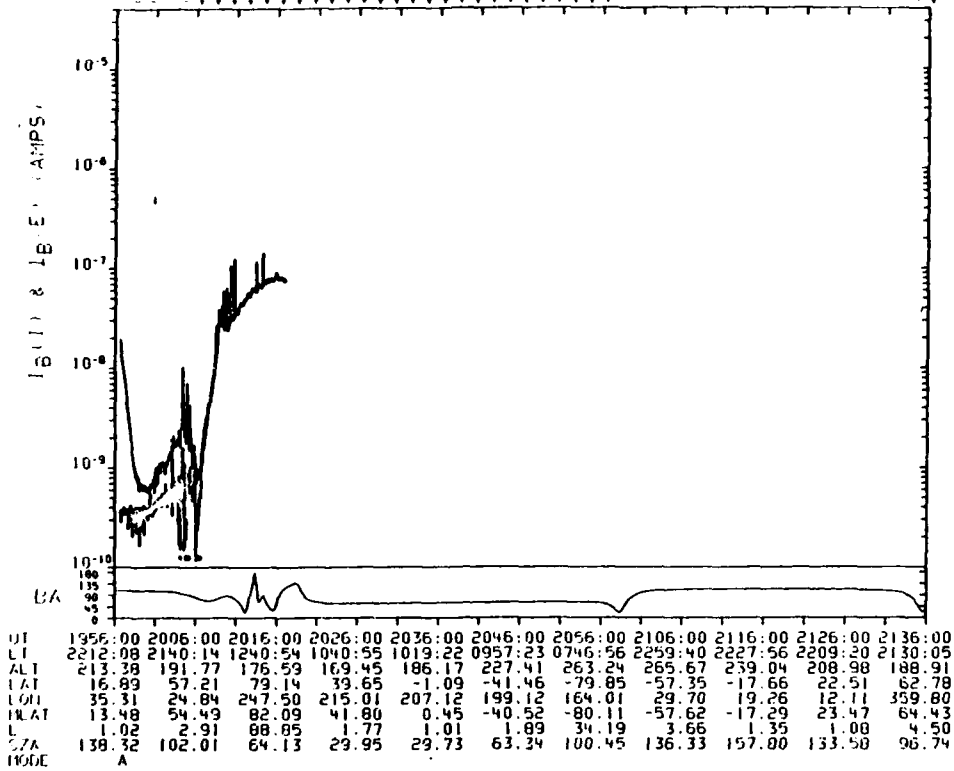


UT	1651:00	1701:00	1711:00	1721:00	1731:00	1741:00	1751:00	1801:00	1811:00	1821:00	1831:00
LT	0737:03	2258:38	2227:33	2208:59	2129:18	1149:48	1036:39	1016:35	0952:09	0534:42	2251:58
ALT	268.61	273.97	248.59	218.03	195.56	177.92	171.12	191.95	236.33	271.47	271.30
LAT	-80.33	-56.77	-17.18	22.90	63.09	73.88	33.71	-7.02	-47.28	-83.33	-51.71
LOI	222.84	90.73	80.46	73.32	60.90	273.52	252.74	245.22	236.61	169.75	66.56
MLAT	-72.44	-67.28	-27.02	13.58	54.60	83.97	42.50	1.17	-39.75	-80.09	-59.21
L	9.32	3.04	1.28	1.04	3.65	97.46	1.86	1.03	1.80	23.79	4.16
SZA	101.40	137.15	157.78	132.95	96.12	58.37	26.15	34.11	69.02	106.14	141.34
MODE	A										



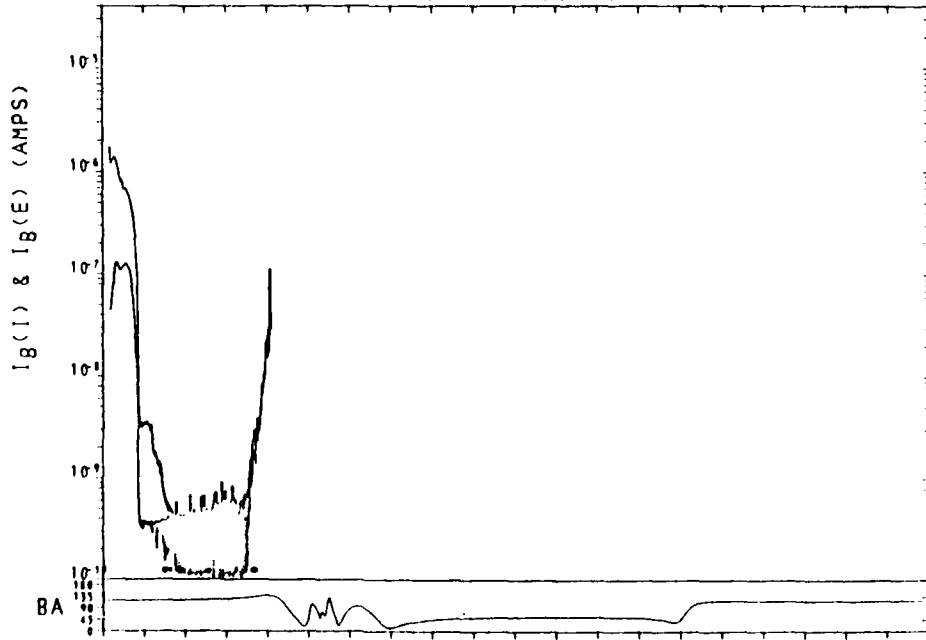
UT	2118:00	2128:00	2138:00	2148:00	2158:00	2208:00	2218:00	2228:00	2238:00	2248:00	2258:00
LT	0022:03	2253:52	2225:51	2207:02	2120:06	1132:04	1034:23	1014:55	0948:20	0324:28	2248:04
ALT	269.33	270.49	243.48	213.65	192.35	175.76	171.09	194.74	239.47	271.31	267.38
LAT	-82.67	-53.25	-13.57	26.55	66.69	70.36	29.97	-10.74	-50.94	-83.49	-48.06
LOI	137.33	22.78	13.28	6.07	351.84	202.33	185.41	178.04	168.90	70.43	358.83
MLAT	-84.04	-52.43	-12.11	28.61	69.46	67.94	26.65	-14.66	-55.51	-82.51	-43.09
L	42.36	3.07	1.26	1.14	6.44	7.57	1.27	1.07	3.79	19.04	2.28
SZA	104.65	140.05	157.15	129.81	92.71	55.05	24.42	36.92	72.37	109.40	144.19
MODE	A										



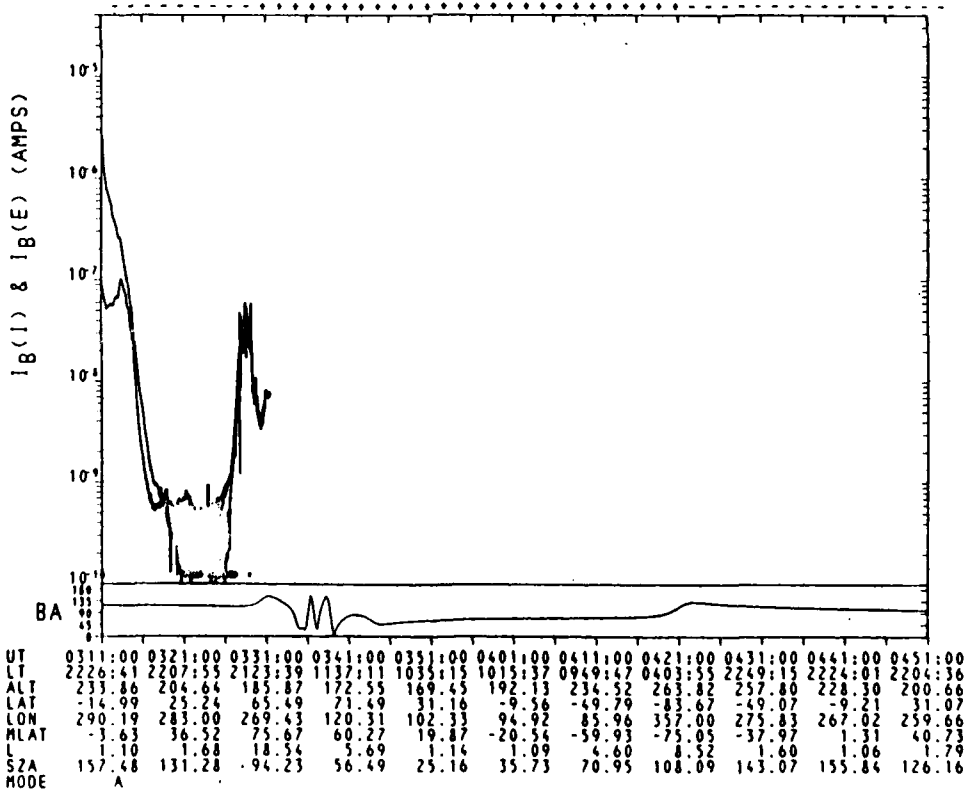
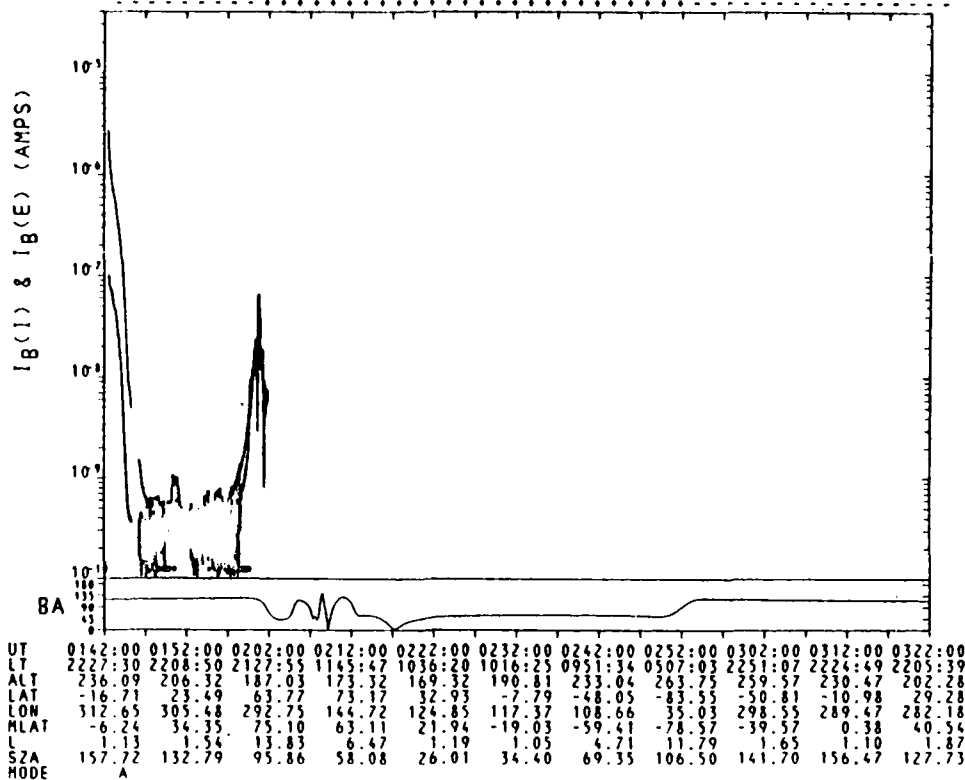


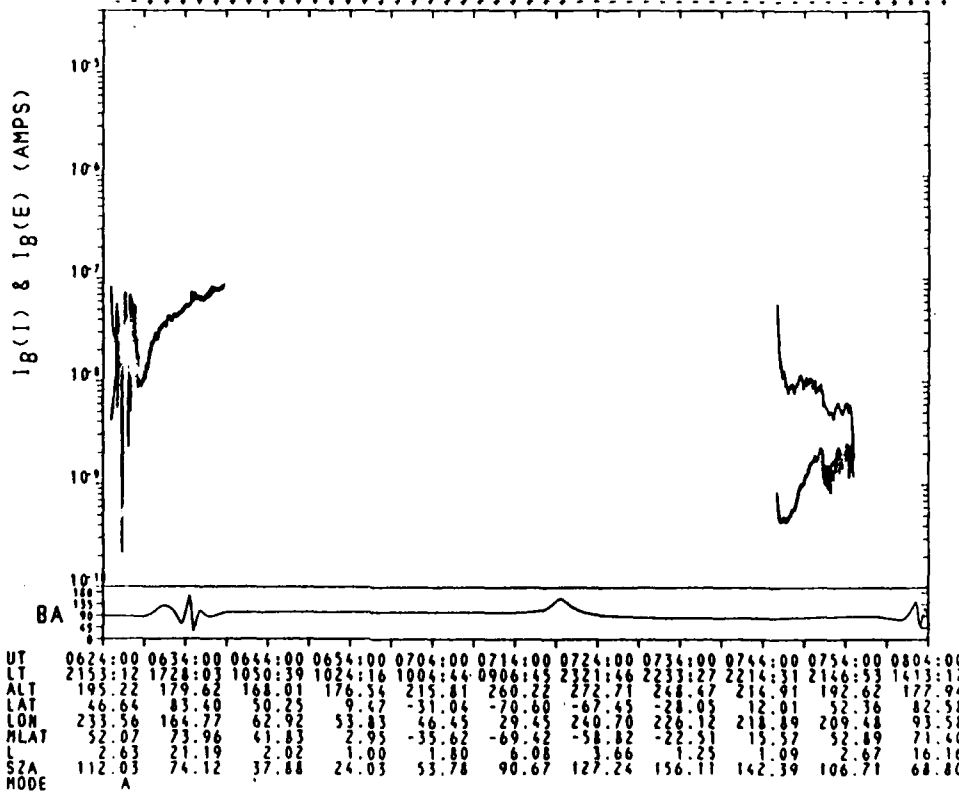
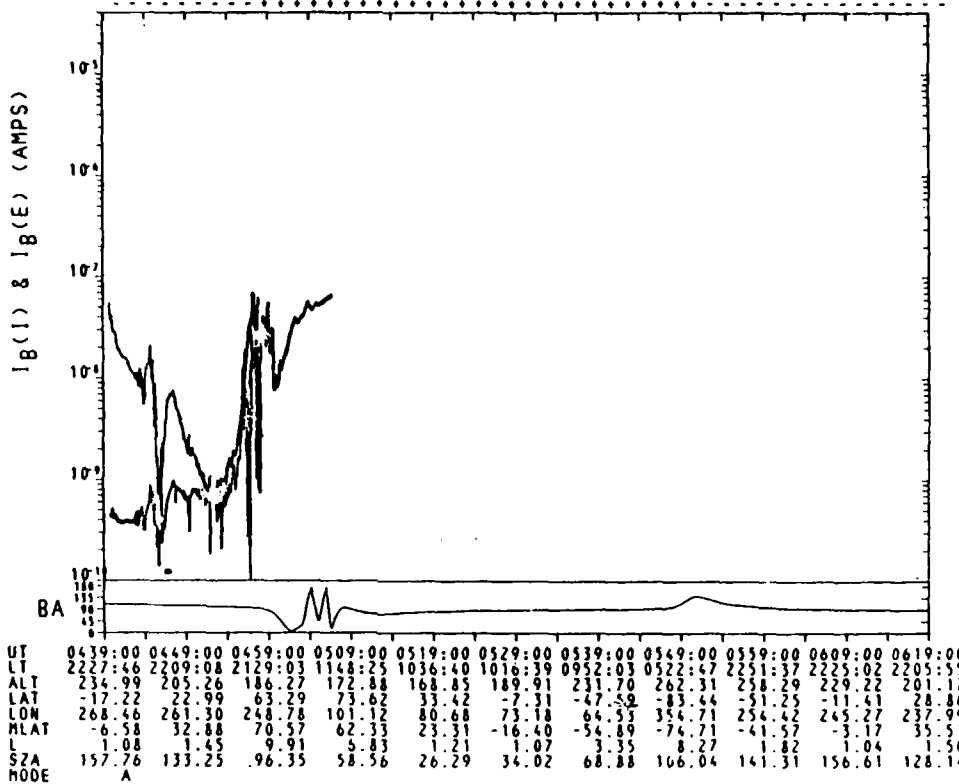


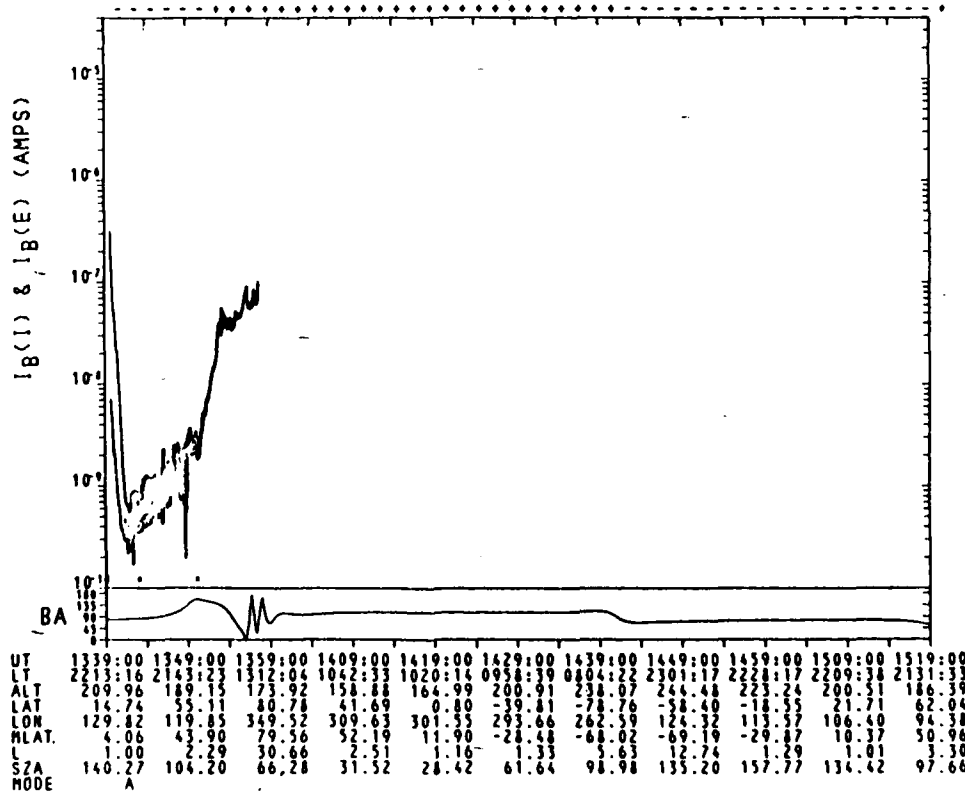
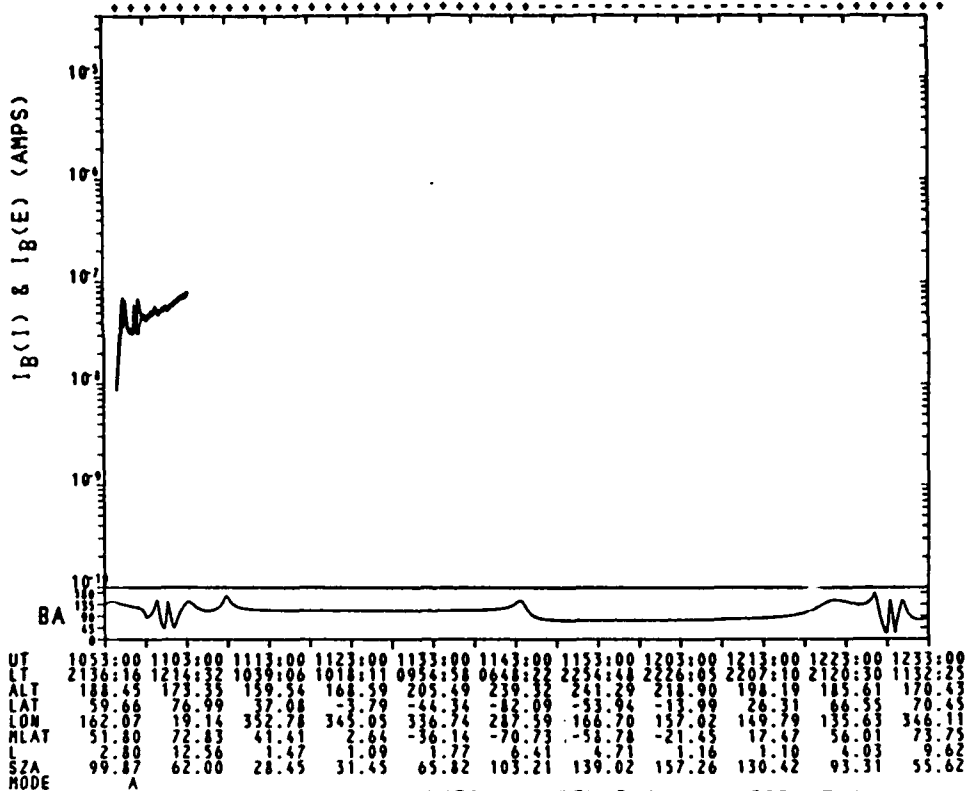
UT	2245:00	2255:00	2305:00	2315:00	2325:00	2335:00	2345:00	2355:00	0005:00	0015:00	0025:00
LT	2227:10	2208:29	2126:23	1142:31	1035:56	1016:06	0950:55	0445:23	2250:27	2224:28	2205:07
ALT	237.07	207.29	187.72	173.70	169.81	191.83	234.52	265.21	258.22	220.47	184.21
LAT	-16.05	24.14	64.40	72.57	32.30	-8.42	-48.67	-83.64	-50.22	-10.36	30.02
LOW	356.82	349.64	336.62	188.15	169.01	161.55	152.75	73.87	342.63	333.64	326.30
MLAT	-11.45	29.34	70.38	67.50	26.08	-15.25	-56.17	-82.81	-42.69	-2.15	38.81
L	1.29	1.14	6.53	7.75	1.25	1.07	3.97	19.92	2.09	1.13	1.46
SZA	157.64	132.19	95.22	57.47	25.67	34.90	69.96	107.10	142.21	156.24	127.03
MODE	A										

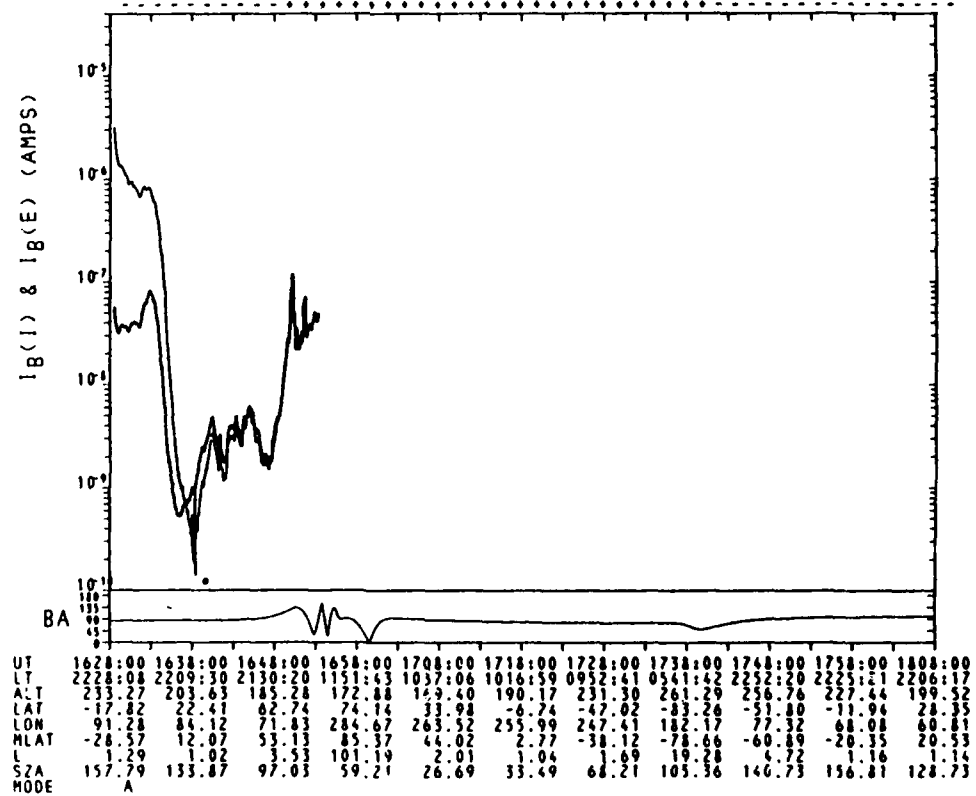
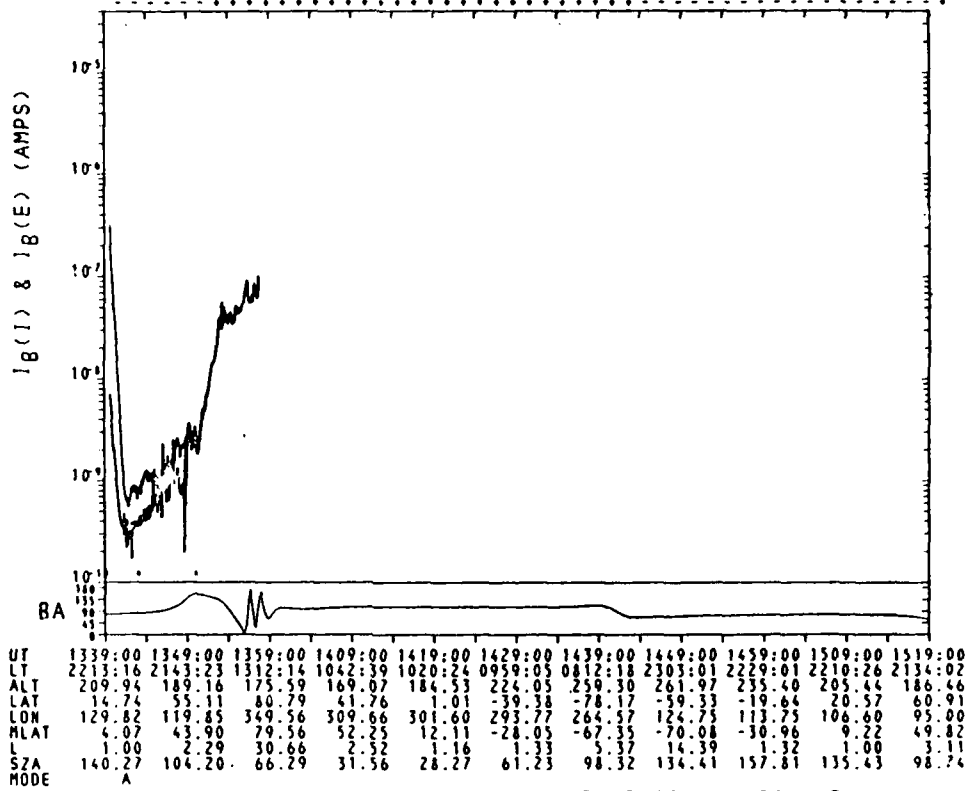


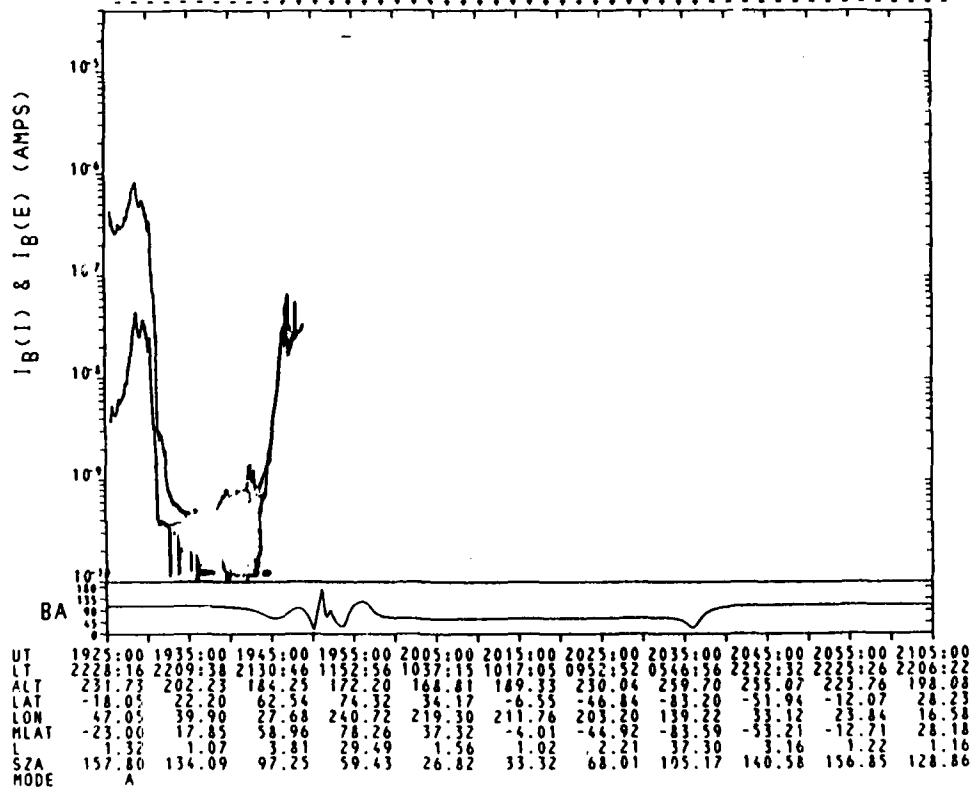
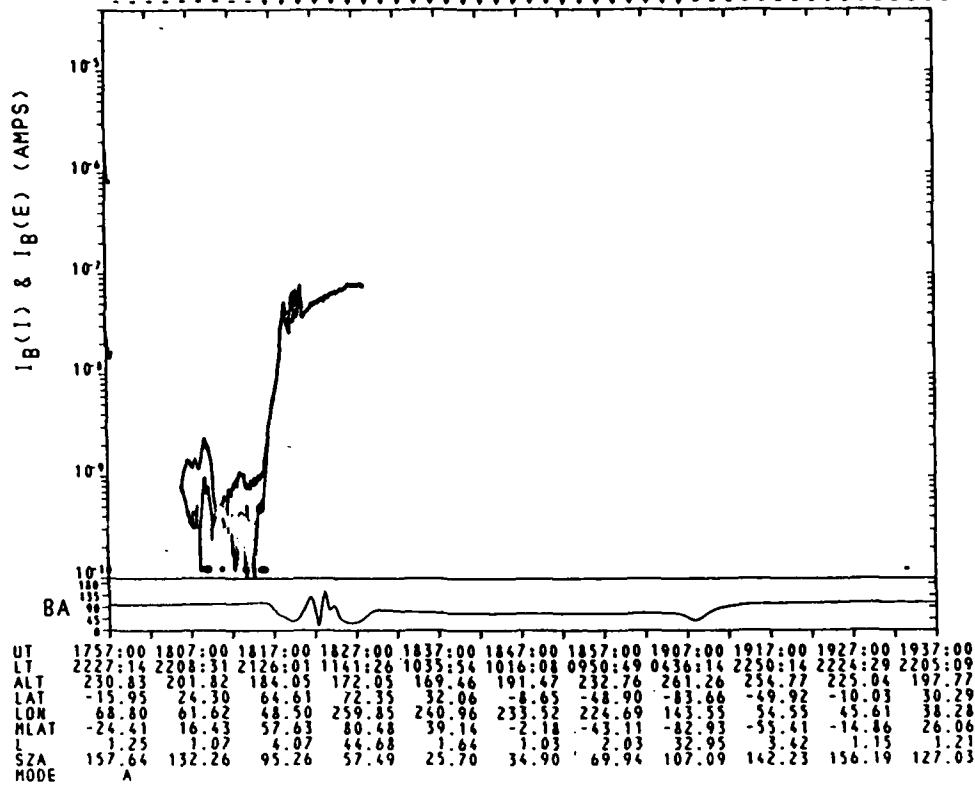
UT	0013:00	0023:00	0033:00	0043:00	0053:00	0103:00	0113:00	0123:00	0133:00	0143:00	0153:00
LT	2228:19	2209:43	2131:36	1155:59	1037:27	1017:11	0953:12	0602:42	2253:05	2225:36	2206:38
ALT	238.29	208.02	188.19	174.09	169.25	189.55	231.55	263.66	261.22	232.62	203.91
LAT	-18.40	21.78	62.07	74.78	34.67	-6.06	-46.35	-82.99	-52.50	-12.71	27.53
LOW	335.10	327.95	315.92	169.52	147.39	139.82	131.32	71.19	321.29	311.92	304.68
MLAT	-10.31	30.44	71.58	66.97	25.48	-15.80	-56.67	-82.74	-42.54	-2.19	38.43
L	1.22	1.23	7.64	8.16	1.24	1.05	4.01	19.52	1.87	1.12	1.69
SZA	157.83	134.24	97.46	59.64	26.94	33.13	67.79	104.93	140.34	156.98	129.26
MODE	A										

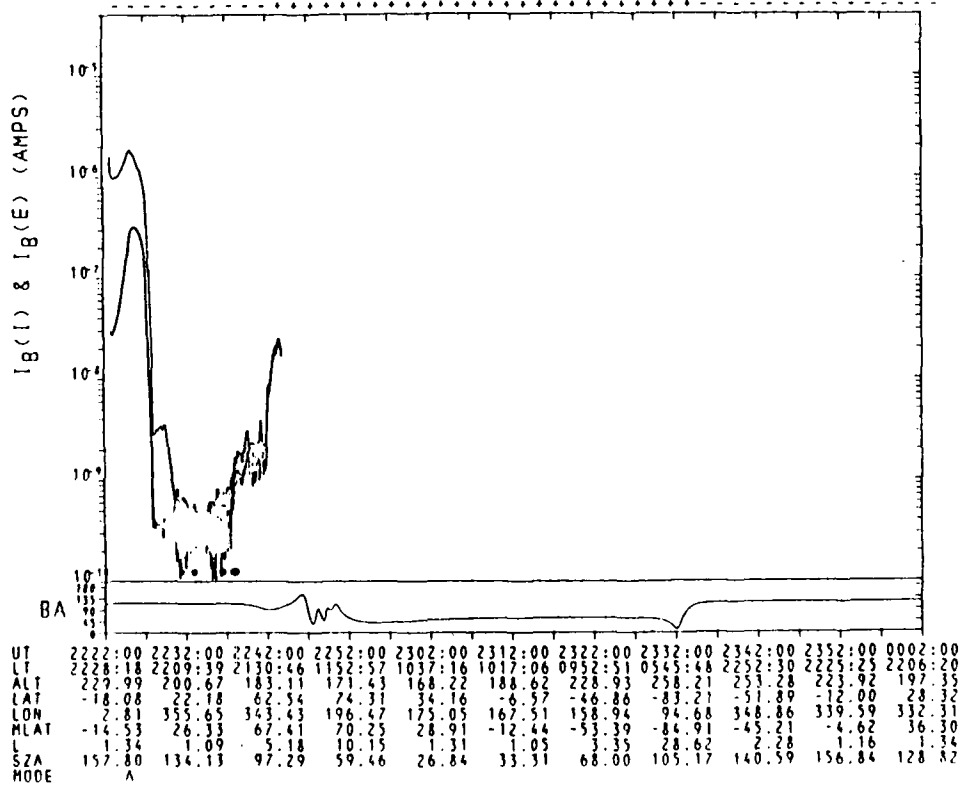
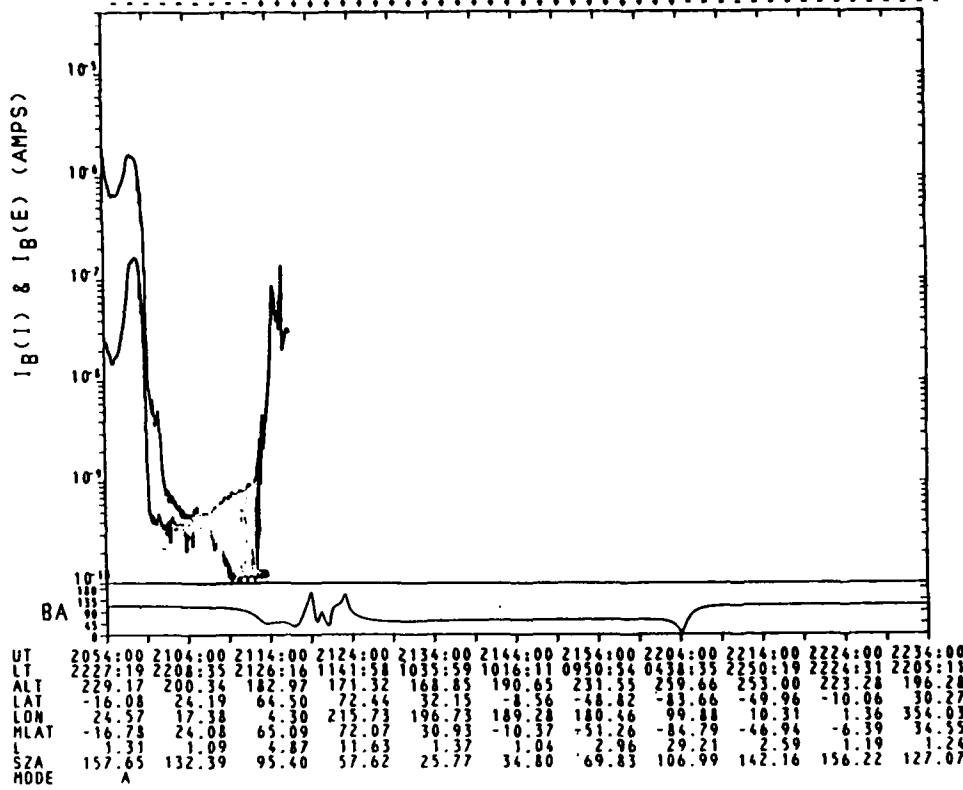


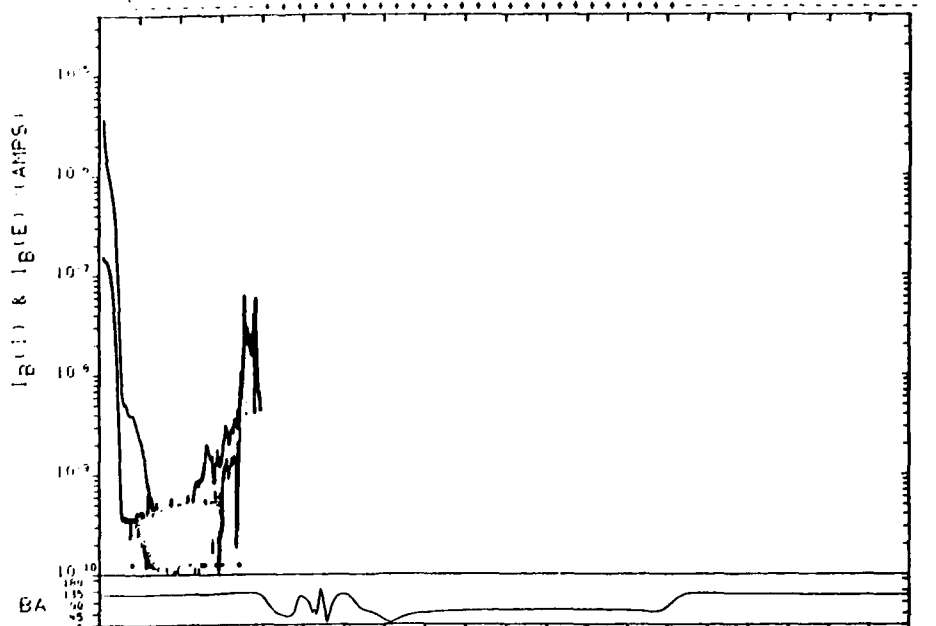




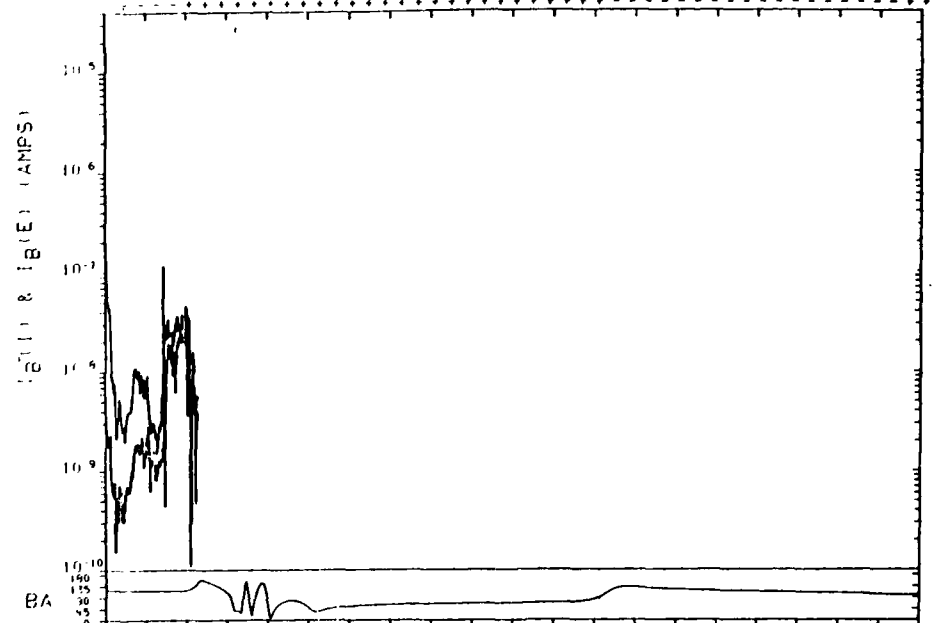




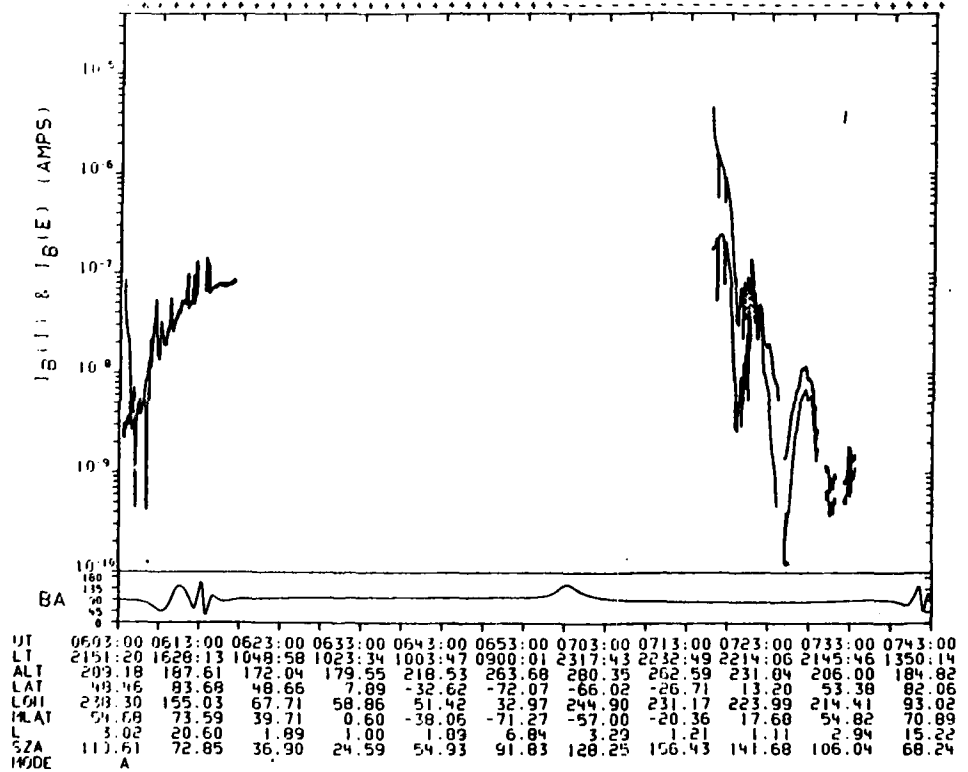
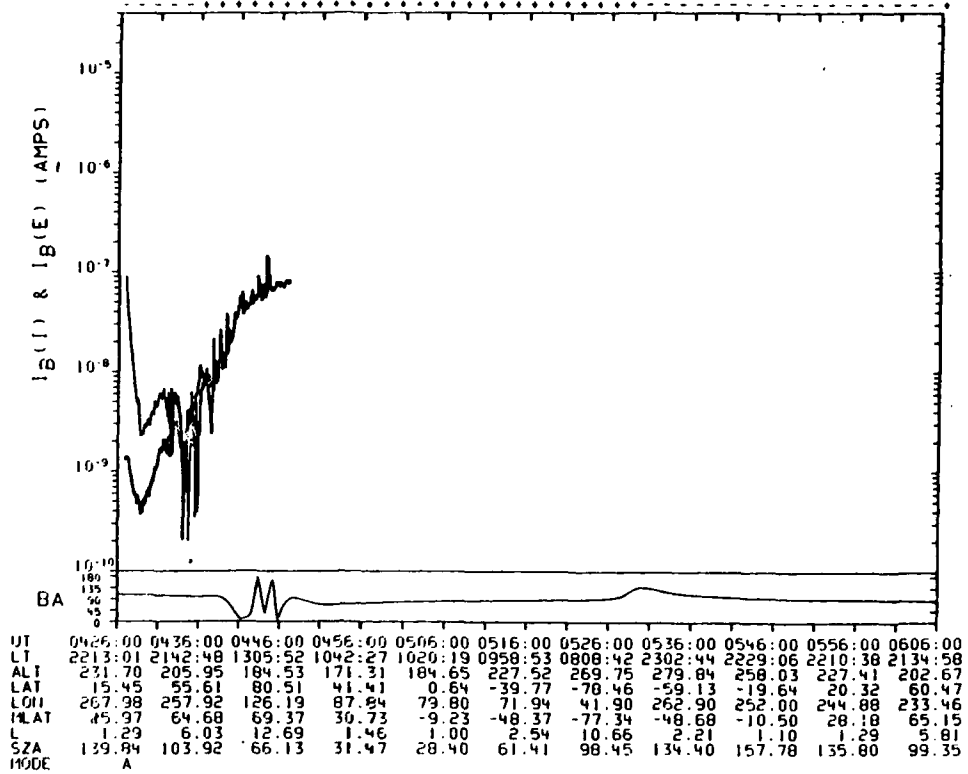


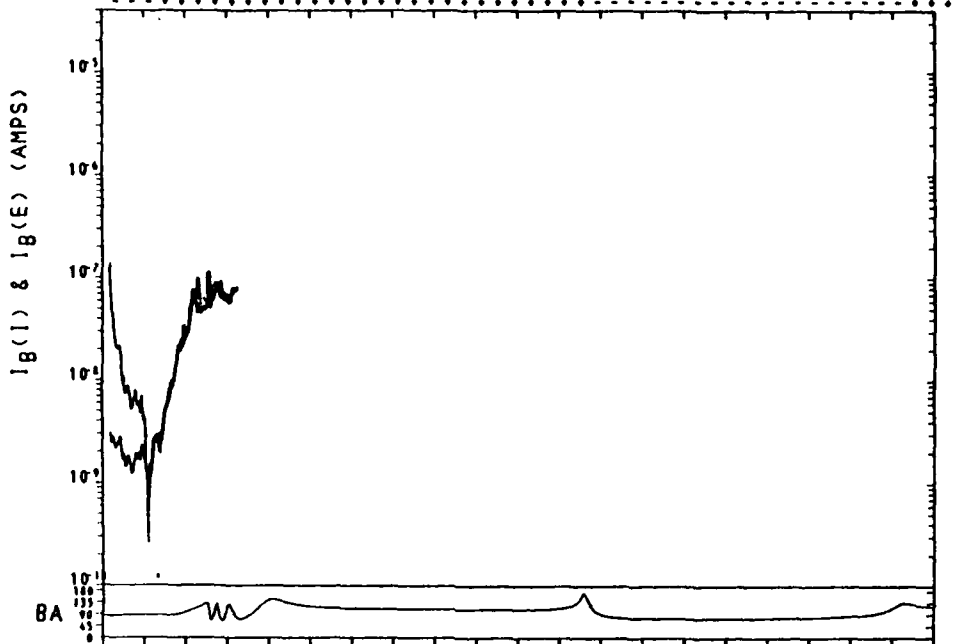


UT	01:20:00	01:30:00	01:40:00	01:50:00	02:00:00	02:10:00	02:20:00	02:30:00	02:40:00	02:50:00	03:00:00
LT	2273:19	2209:50	2132:00	1157:36	1037:46	1017:26	0953:33	0611:07	2253:44	2226:03	2207:16
ALT	259.31	229.48	203.40	182.10	171.48	190.22	235.83	274.85	279.44	254.66	224.44
LAT	-19.11	21.86	61.96	74.99	34.93	-5.82	-46.13	-82.86	-52.93	-13.35	26.66
LOI	318.31	311.13	299.23	153.13	130.67	123.08	114.62	56.51	304.66	295.24	288.04
HLAT	3.10	32.32	73.05	65.52	24.26	-16.85	-57.43	-80.96	-41.89	-2.05	38.02
L	1.15	1.44	10.32	7.72	1.24	1.03	4.14	15.47	1.76	1.11	1.76
SZA	117.80	134.45	97.88	60.16	27.30	32.75	67.28	104.36	139.70	157.18	130.31
MODE	A										

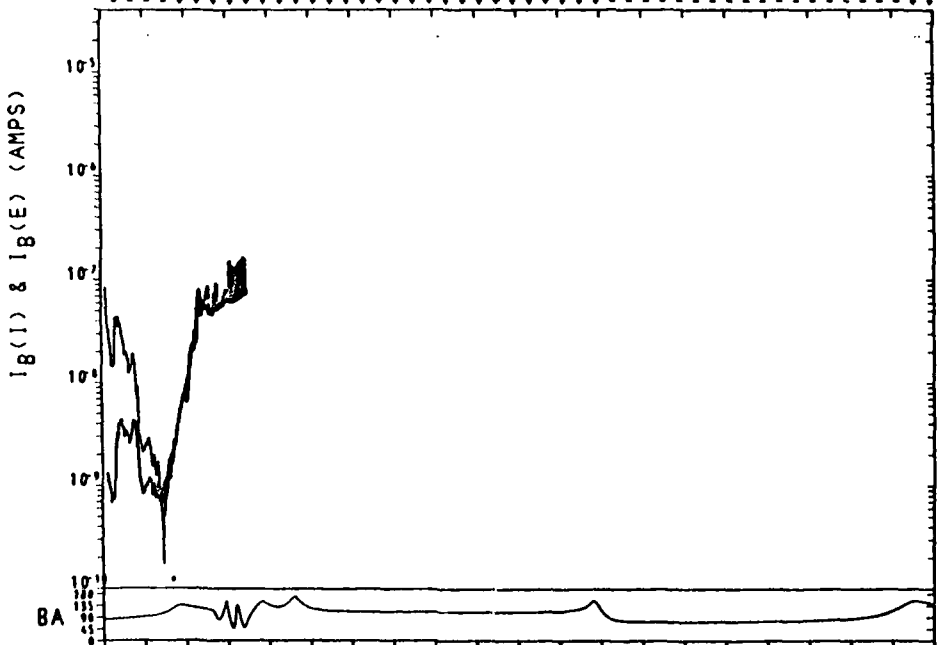


UT	02:59:00	03:08:00	03:18:00	03:28:00	03:38:00	03:48:00	03:58:00	04:08:00	04:18:00	04:28:00	04:38:00
LT	2211:03	2137:55	1224:17	1040:01	1018:53	8956:22	0724:15	2257:54	2327:33	2209:00	2128:32
ALT	270.69	204.64	183.24	171.31	187.30	231.71	272.57	279.88	256.51	225.99	201.43
LAT	18.63	58.77	77.89	39.19	-2.58	-42.93	-80.93	-56.05	-16.51	23.47	63.58
LOI	299.50	278.71	137.80	109.23	101.45	93.32	52.79	283.70	273.61	266.47	253.85
HLAT	29.49	69.84	67.25	26.83	-13.82	-53.75	-80.15	-44.73	-5.56	33.84	71.68
L	1.46	9.25	9.81	1.33	1.00	3.25	14.09	1.88	1.08	1.51	11.35
SZA	137.19	100.91	63.15	29.30	30.47	64.32	101.39	137.06	157.69	133.09	96.37
MODE	A										

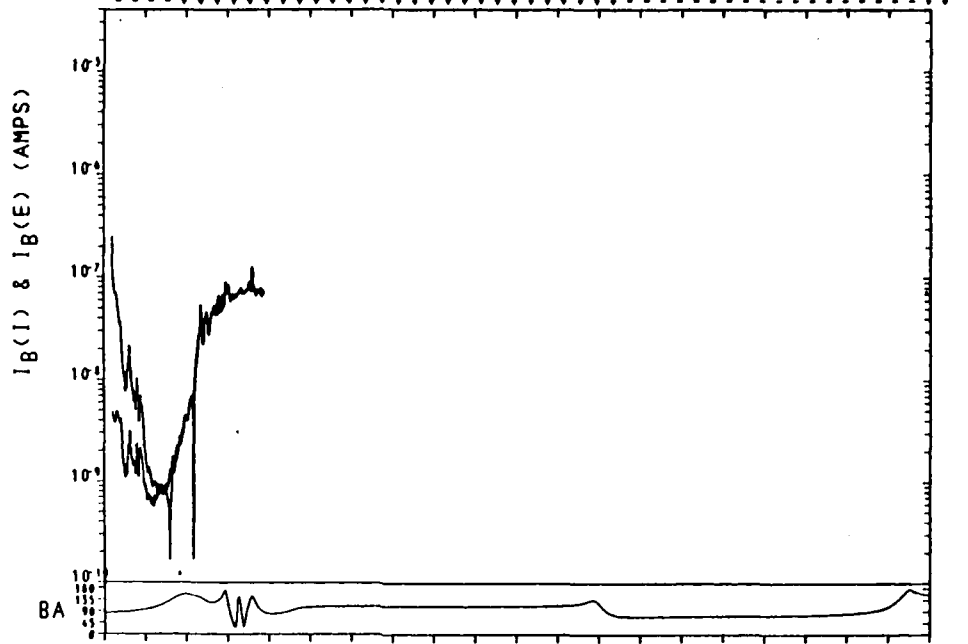




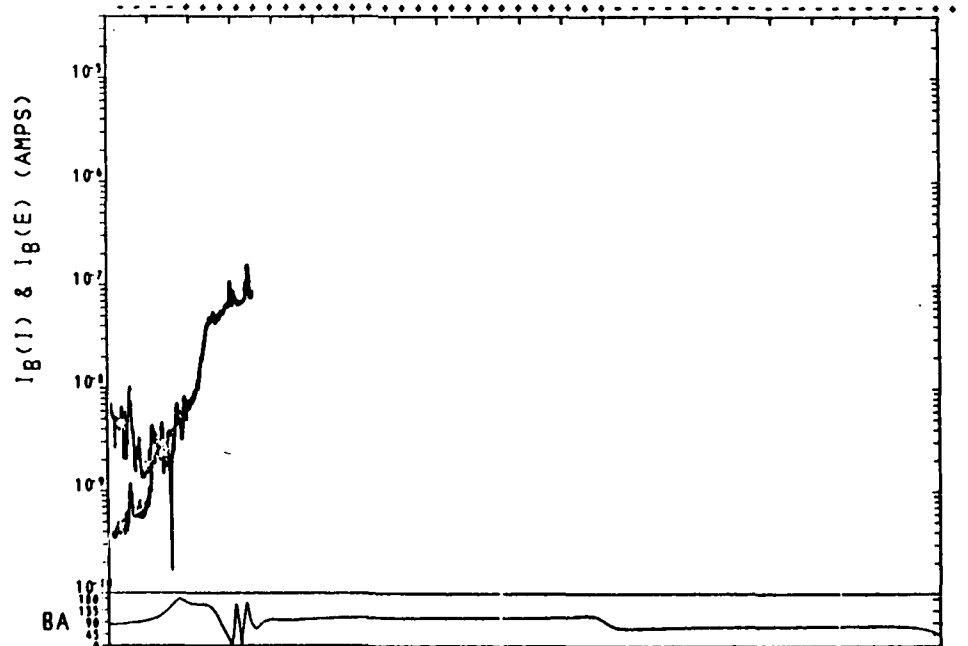
UT	0857:00	0907:00	0917:00	0927:00	0937:00	0947:00	0957:00	1007:00	1017:00	1027:00	1037:00
LT	2203:00	2051:16	1110:57	1030:41	1011:50	0939:11	0043:23	2242:15	2220:40	2159:37	2012:55
ALT	217.64	195.18	176.59	173.73	202.64	249.44	278.63	271.33	242.24	214.12	192.22
LAT	33.88	73.65	63.29	22.69	-17.98	-58.01	-79.28	-41.09	-1.33	38.80	78.12
LON	197.71	177.28	29.70	17.14	9.92	359.26	222.81	190.03	182.13	174.37	145.19
MLAT	32.80	66.92	59.31	22.66	-15.77	-52.72	-71.57	-41.95	-4.65	33.33	67.90
L	1.43	7.78	3.95	1.07	1.35	2.88	8.80	2.00	1.02	1.44	10.22
SZA	123.97	86.61	49.31	22.56	42.19	78.29	115.24	148.69	152.06	119.54	81.98
MODE	A										



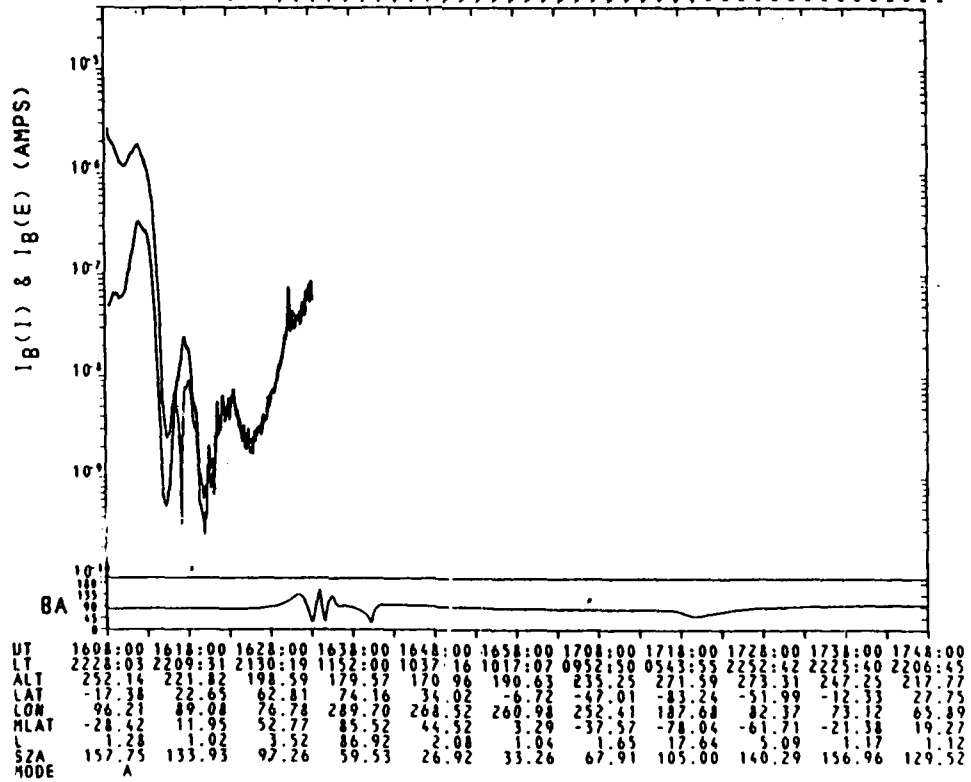
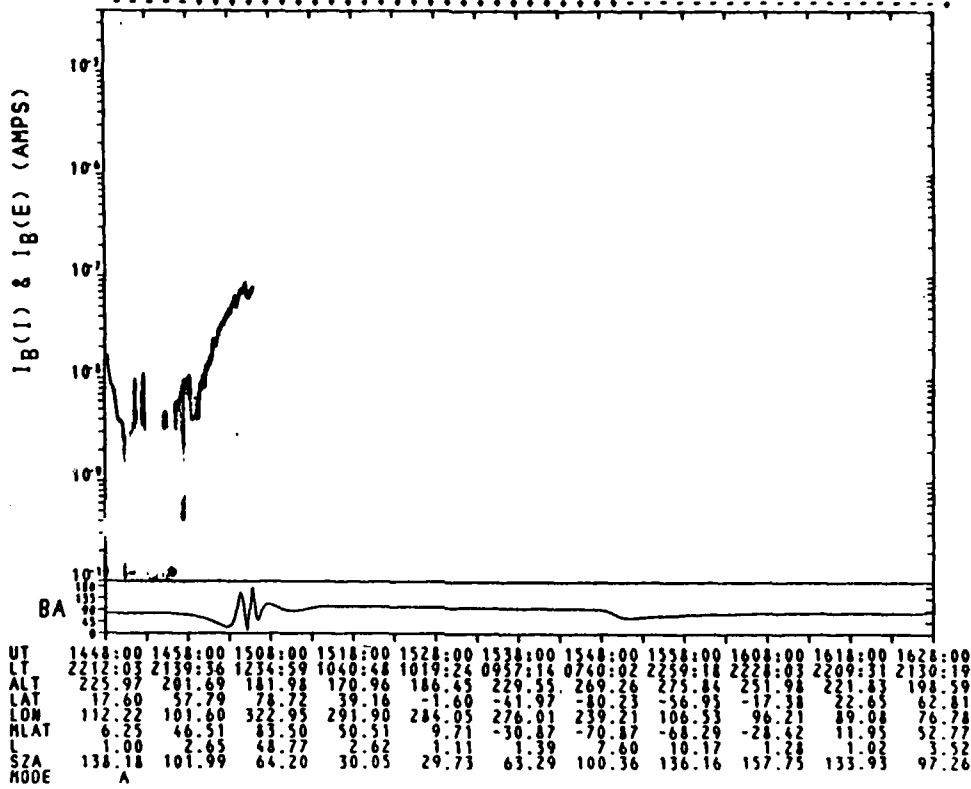
UT	1024:00	1034:00	1044:00	1054:00	1104:00	1114:00	1124:00	1134:00	1144:00	1154:00	1204:00
LT	2207:16	2120:08	1132:11	1034:42	1013:14	0948:17	0333:25	2241:26	2223:50	2204:23	2102:14
ALT	221.69	198.37	178.98	171.99	194.95	241.12	275.59	274.37	247.09	217.88	195.36
LAT	26.74	66.80	70.30	29.92	-10.80	-51.00	-83.48	-41.08	-8.39	31.70	71.60
LON	177.03	162.75	13.26	356.39	349.02	339.86	241.06	169.82	161.17	153.81	135.77
MLAT	21.98	58.74	64.45	33.76	-4.93	-43.09	-73.57	-52.59	-15.28	23.29	61.00
L	1.18	4.22	7.03	1.22	1.17	2.07	9.14	3.22	1.04	1.20	5.69
SZA	130.32	93.36	55.75	24.82	36.39	71.70	108.76	143.50	155.63	125.96	88.70
MODE	A										

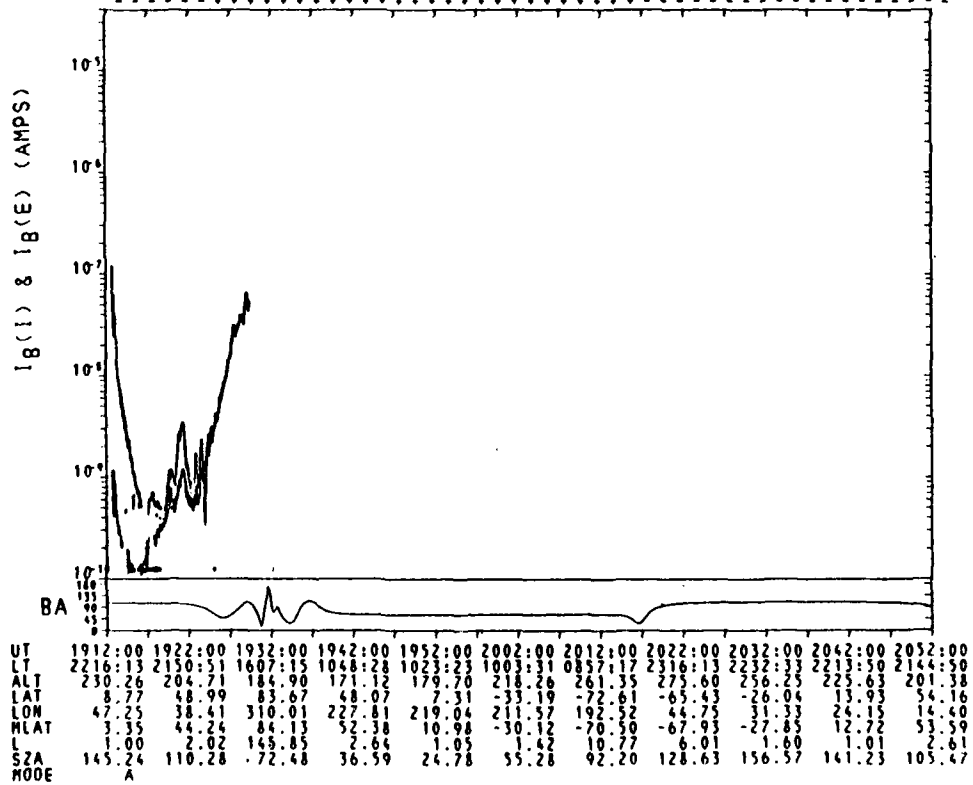
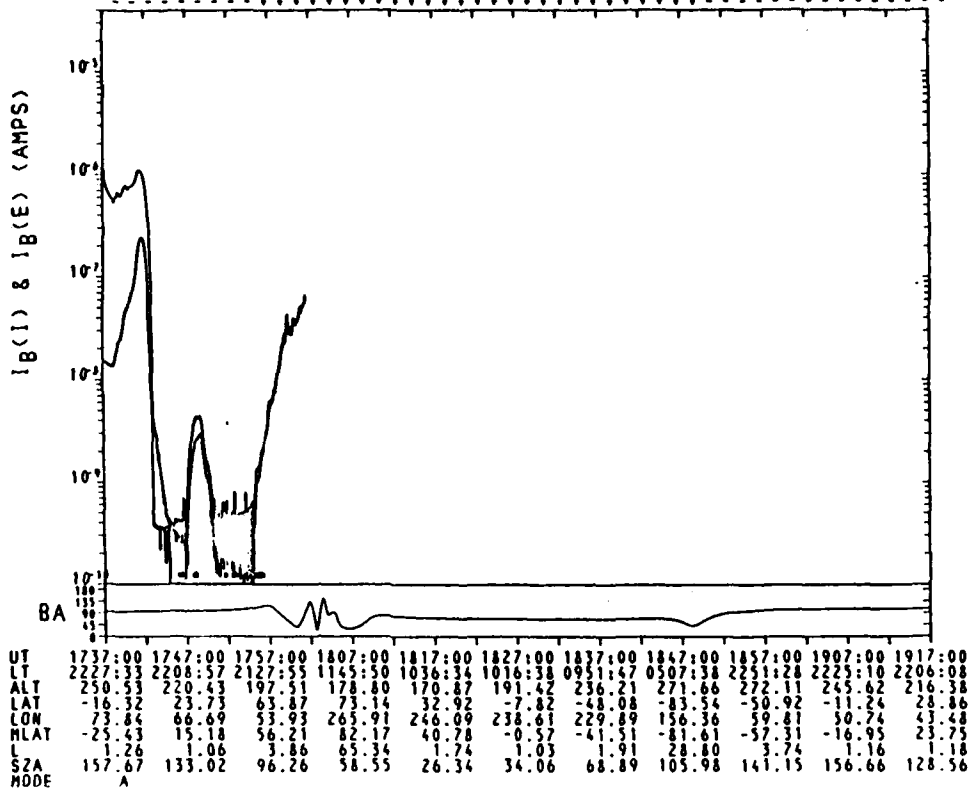


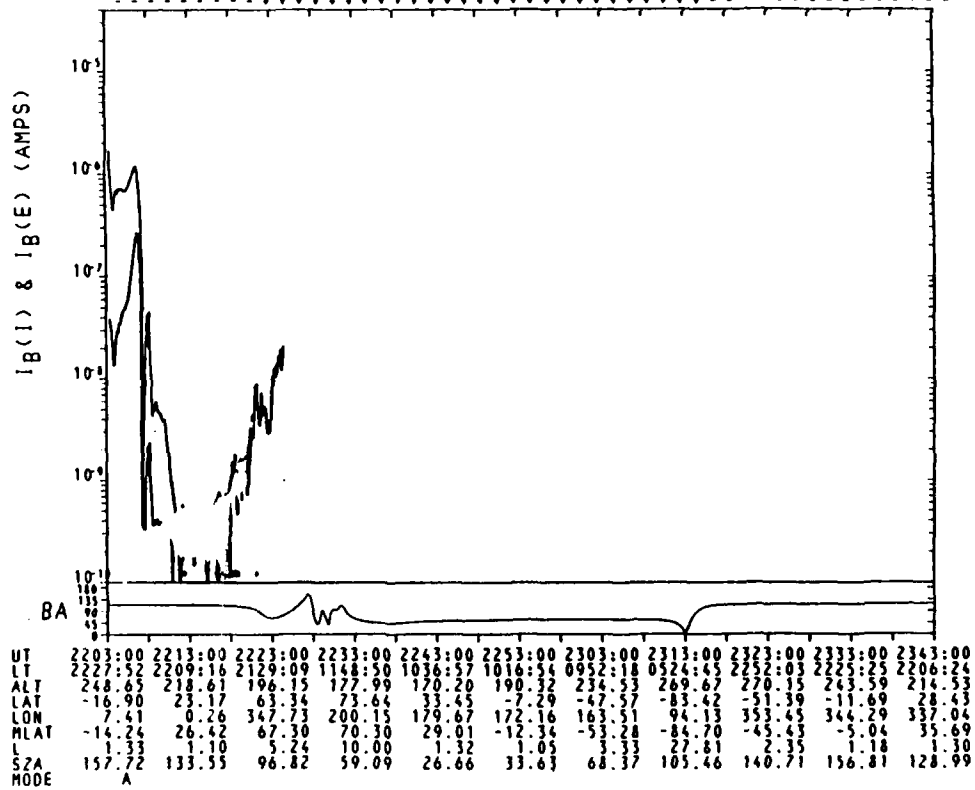
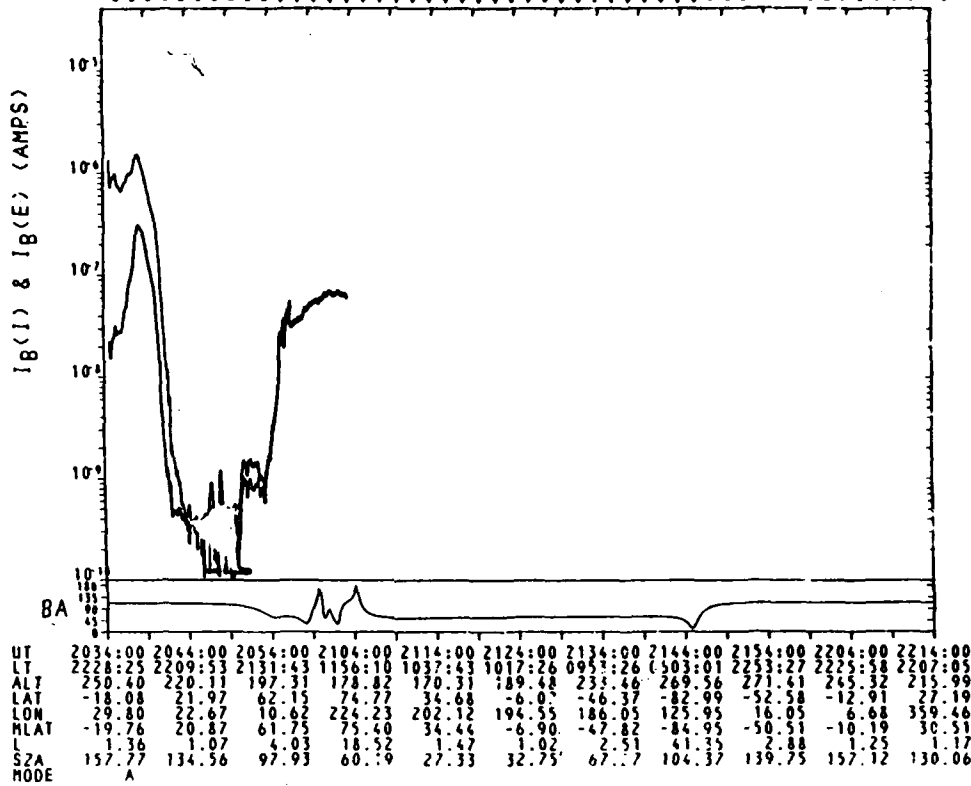
UT	1152:00	1202:00	1212:00	1222:00	1232:00	1242:00	1252:00	1302:00	1312:00	1322:00	1332:00
LT	2208:57	2128:04	1146:27	1036:37	1016:39	0951:51	0512:11	2251:38	2225:13	2206:12	2114:09
ALT	223.07	199.53	179.99	171.46	191.92	237.20	273.54	274.89	248.73	219.16	196.50
LAT	23.66	63.78	73.24	33.04	-7.70	-47.97	-83.51	-51.07	-11.42	28.65	68.67
LON	155.45	142.73	354.82	334.86	327.37	318.67	246.25	148.61	139.51	132.26	116.74
HLAT	15.56	53.79	74.23	40.56	1.29	-37.82	-73.31	-59.15	-21.17	18.11	57.38
L	1.08	3.41	11.22	1.46	1.10	1.67	8.82	4.91	1.13	1.12	4.71
SZA	133.02	96.27	58.58	26.35	34.02	68.86	105.94	141.10	156.70	128.68	91.58
MODE	A										

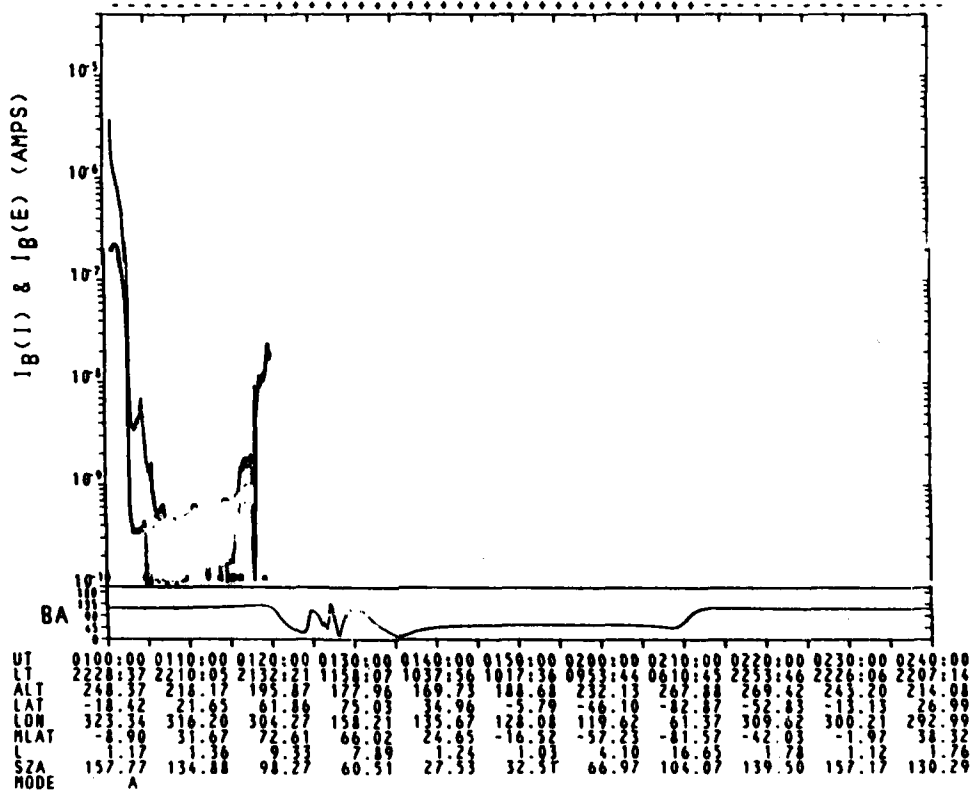
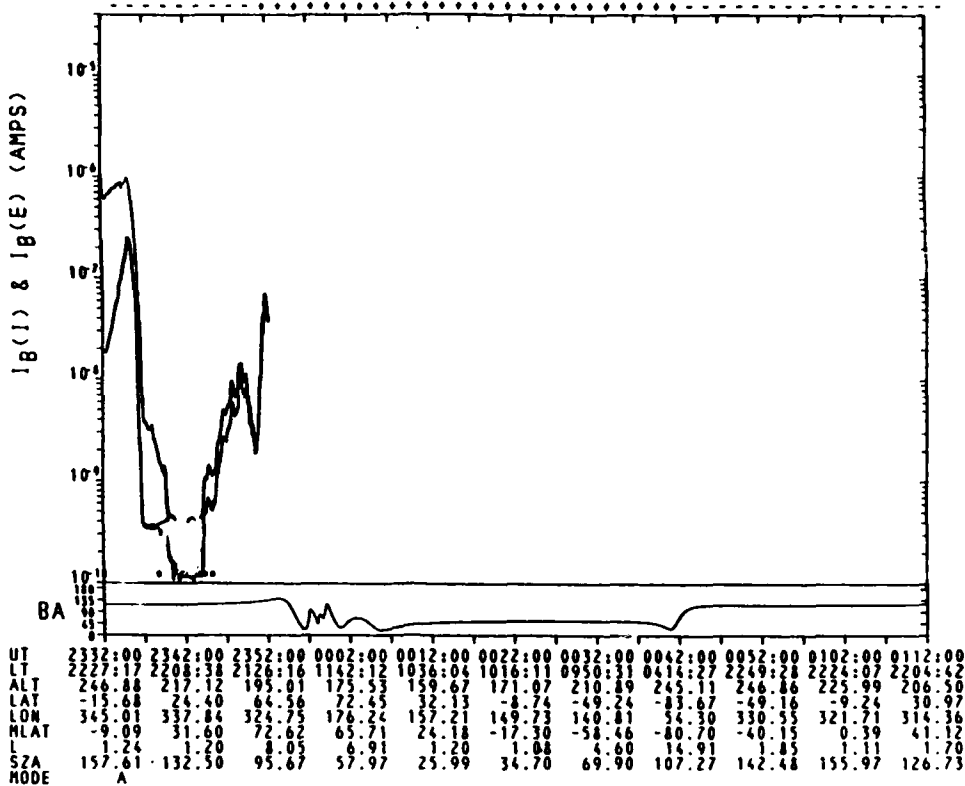


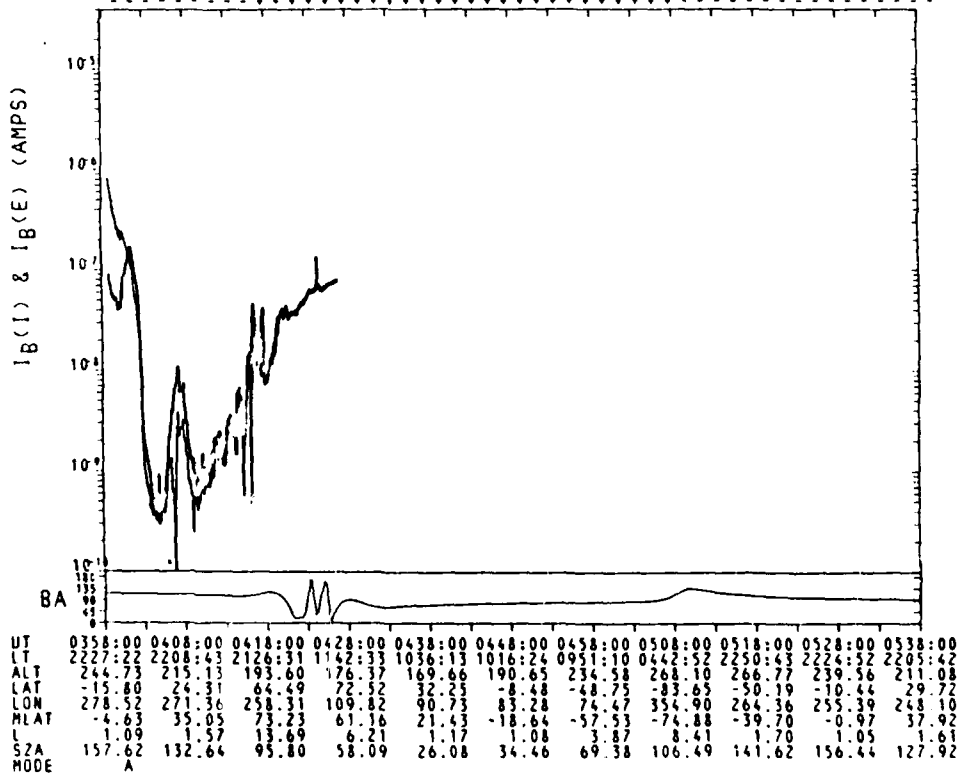
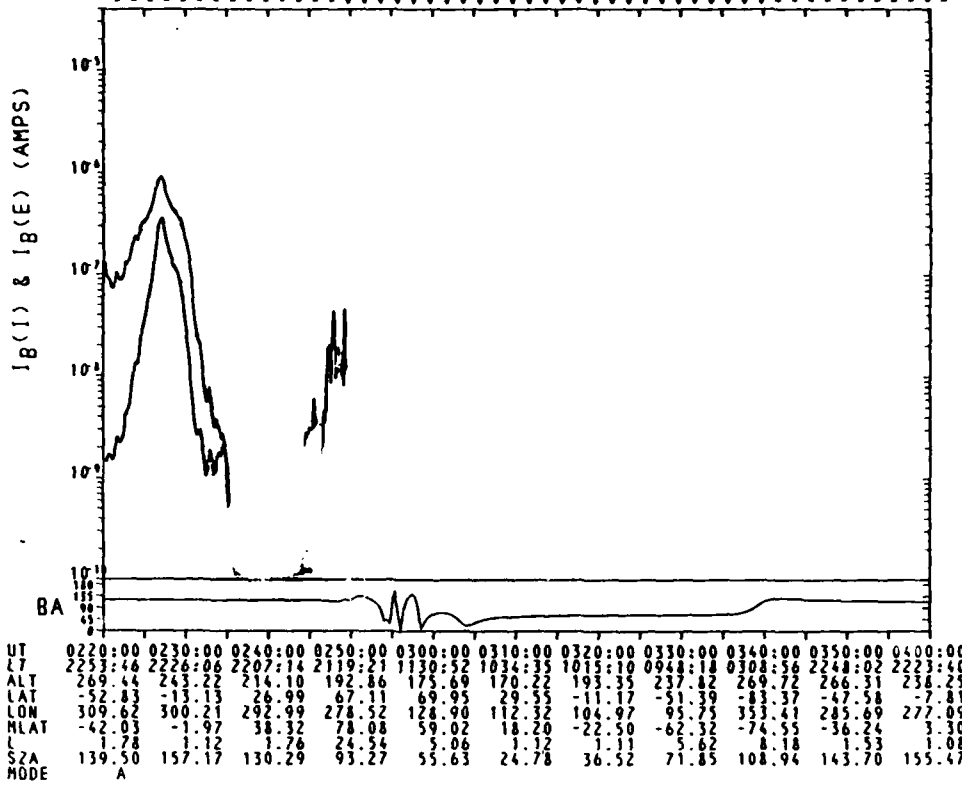
UT	1321:00	1331:00	1341:00	1351:00	1401:00	1411:00	1421:00	1431:00	1441:00	1451:00	1501:00
LT	2208:27	2125:45	1141:23	1036:00	1016:13	0750:25	0443:20	2251:20	2224:48	2206:38	2110:35
ALT	221.77	198.50	179.28	171.42	192.67	238.12	273.65	273.06	247.48	217.40	196.50
LAT	24.63	66.74	72.31	32.04	-8.69	-48.94	-83.66	-50.10	-10.43	29.46	68.65
LON	133.07	119.90	331.30	312.45	305.01	296.17	215.29	124.09	117.55	109.86	93.60
HLAT	14.16	53.52	78.12	42.35	2.26	-37.65	-73.57	-60.83	-21.68	18.30	58.58
L	1.07	3.68	15.46	1.77	1.11	1.57	12.03	5.46	1.10	1.13	5.20
SZA	132.19	95.37	57.70	25.85	34.75	69.74	106.82	141.86	156.39	127.80	90.65
MODE	A										

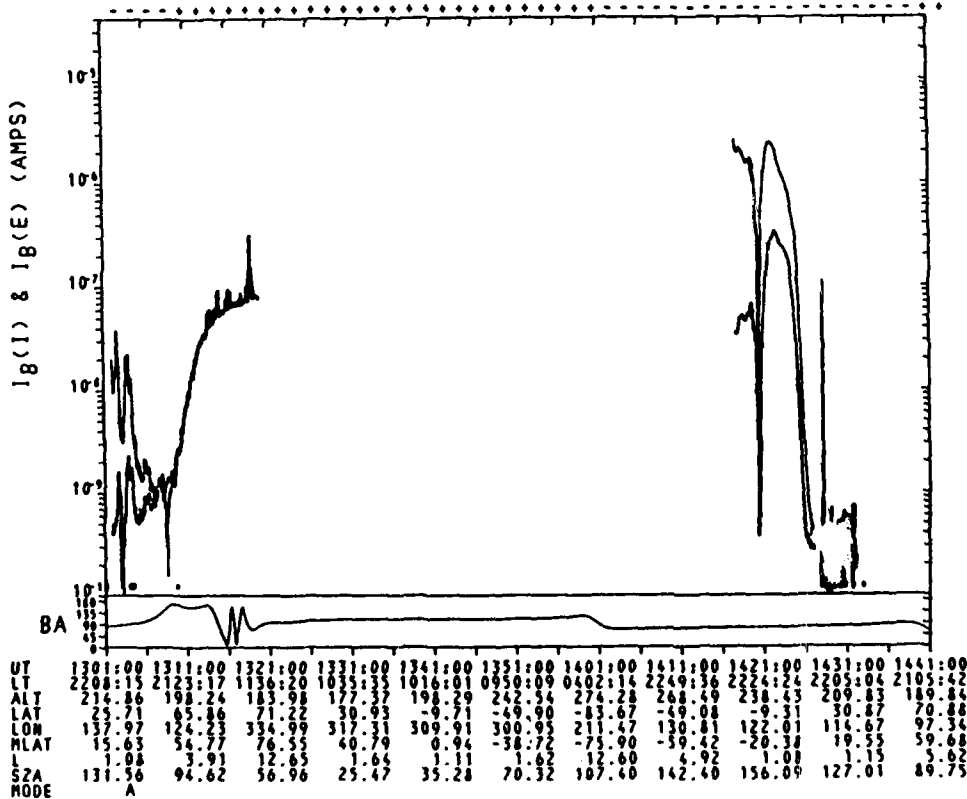
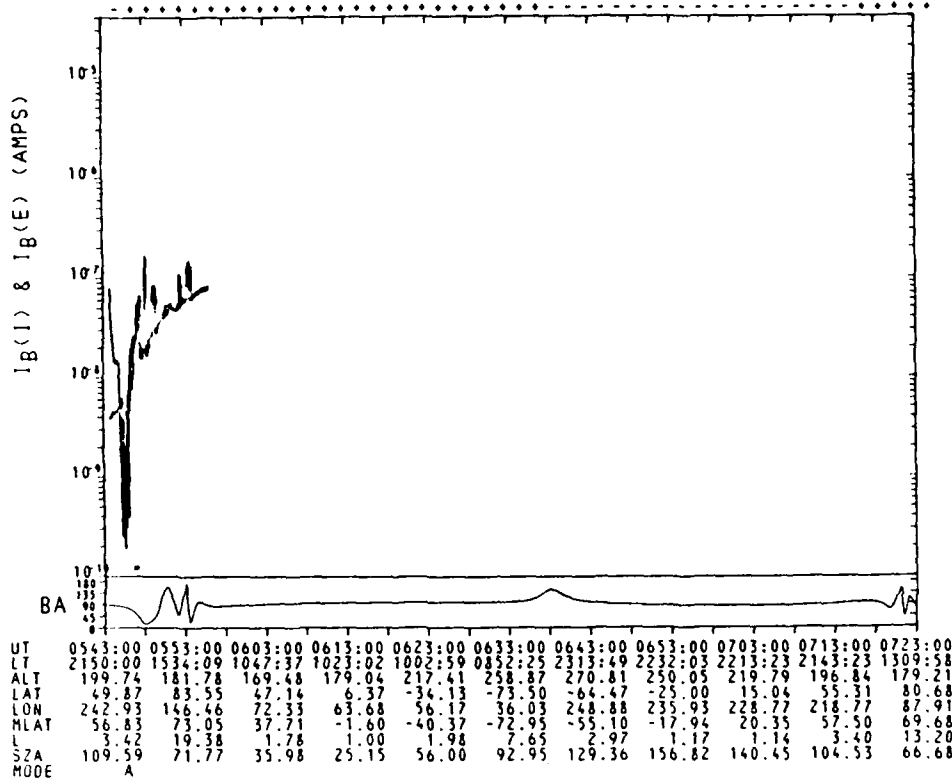


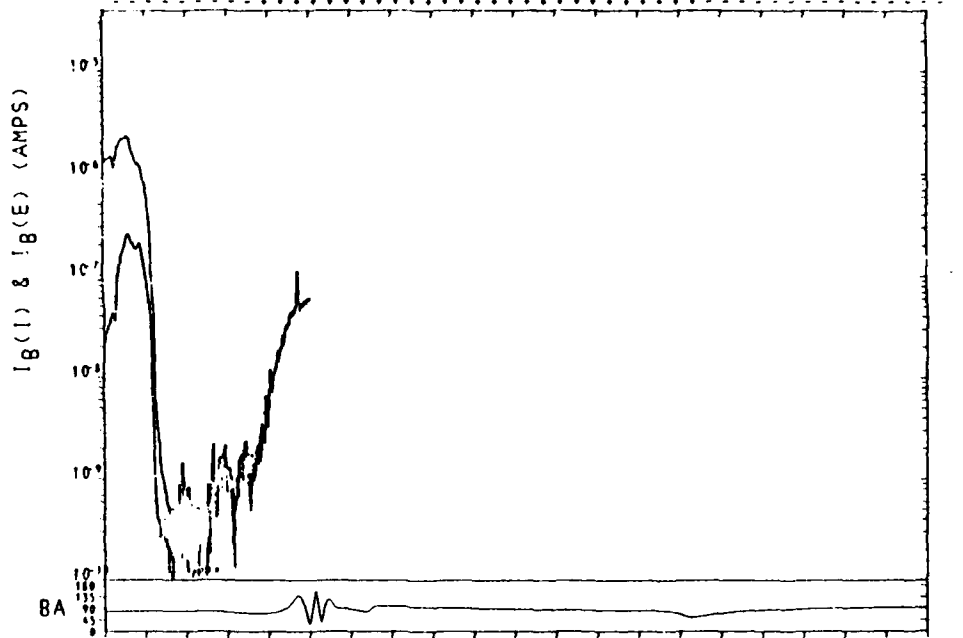




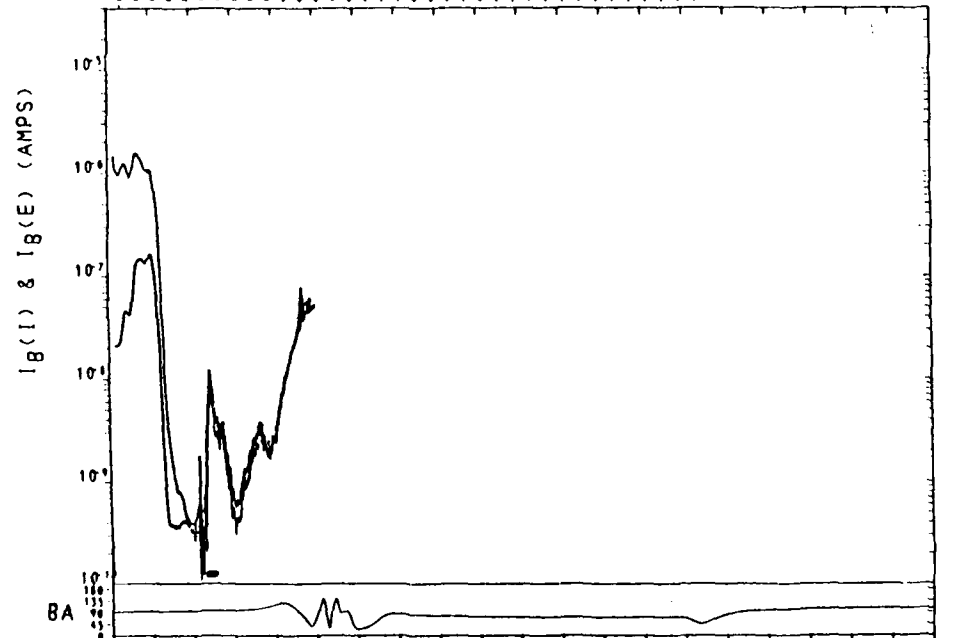




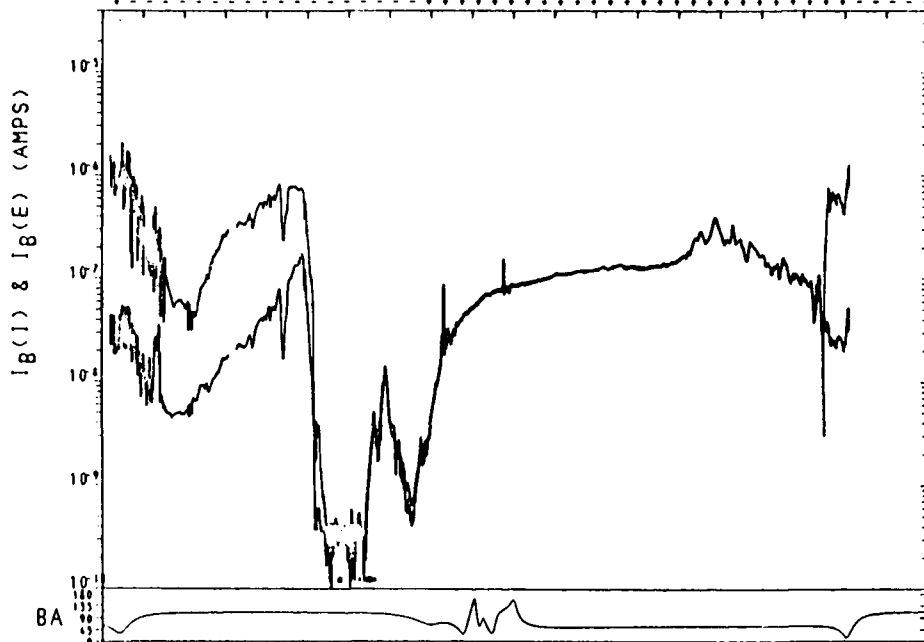




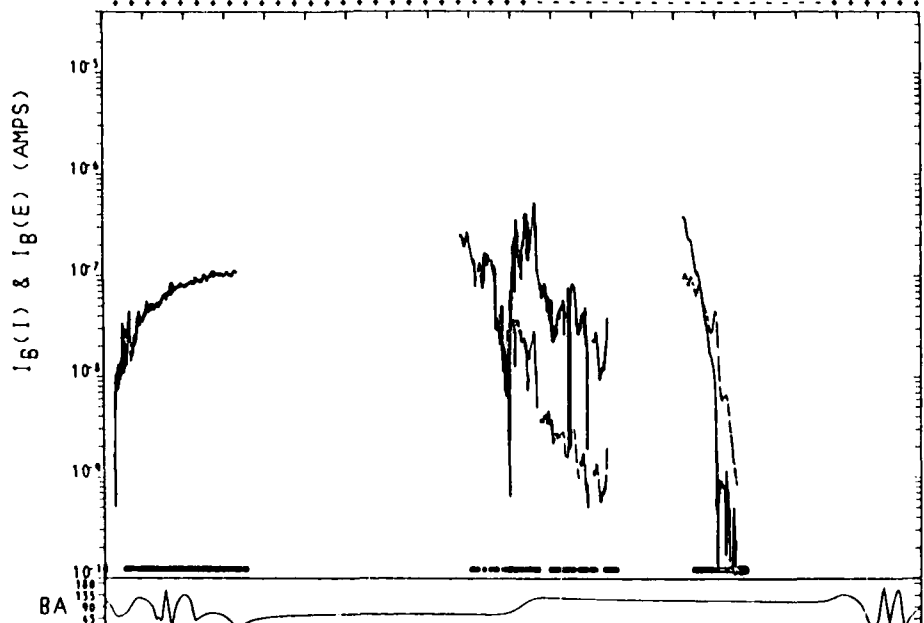
UT	1548:00	1558:00	1608:00	1618:00	1628:00	1638:00	1648:00	1658:00	1708:00	1718:00	1728:00
LT	2227:31	2208:52	2126:53	1143:11	1036:22	1016:32	0951:24	0449:01	2250:59	2225:01	2205:51
ALT	243.23	213.37	192.30	176.22	170.64	192.18	235.91	268.65	266.11	238.09	209.37
LAT	-15.96	24.16	64.37	72.63	32.37	-8.35	-48.60	-83.63	-50.35	-10.59	29.59
LOW	101.04	93.87	80.88	292.45	273.25	265.79	257.01	178.91	86.90	77.91	70.62
MLAT	-27.19	13.19	54.00	83.94	43.22	2.08	-38.71	-79.11	-60.53	-20.21	20.52
L	1.23	1.03	3.82	54.51	2.00	1.05	1.68	20.09	4.82	1.13	1.15
SZA	157.64	132.90	96.07	58.35	26.24	34.24	69.09	106.18	141.35	156.53	128.18
MODE	A										



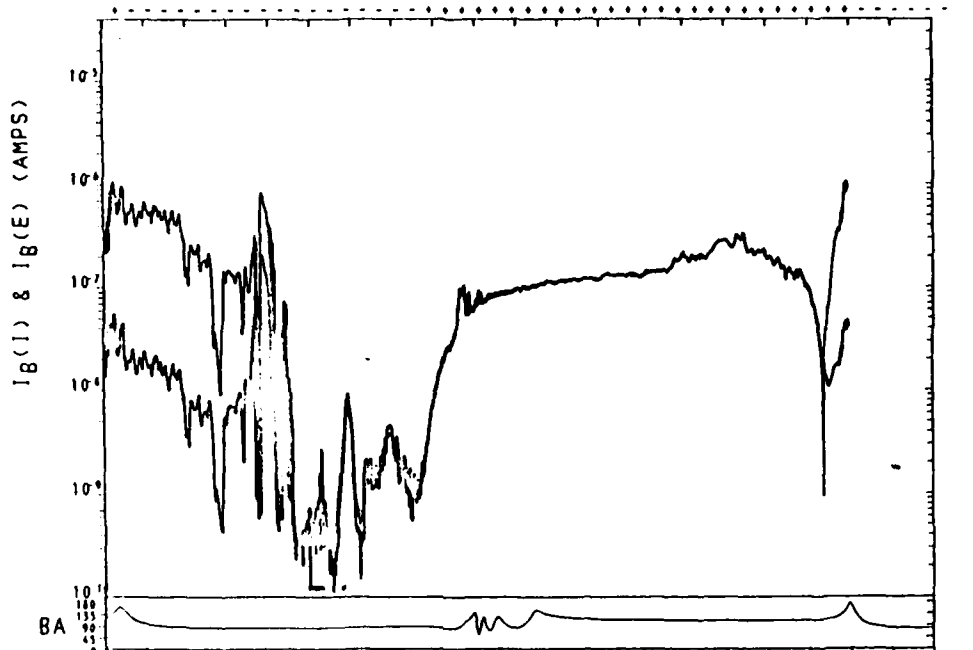
UT	1716:00	1726:00	1736:00	1746:00	1756:00	1806:00	1816:00	1826:00	1836:00	1846:00	1856:00
LT	2228:48	2210:15	2132:39	1158:37	1038:05	1017:44	0953:56	0613:47	2253:58	2226:13	2207:21
ALT	244.70	214.35	193.03	176.84	170.15	189.69	232.60	266.83	266.72	239.37	210.24
LAT	-18.59	21.53	61.77	75.10	35.03	-5.70	-46.00	-82.83	-52.91	-13.18	26.98
LOW	79.35	72.22	60.32	274.31	251.67	244.09	235.64	178.10	65.64	56.21	48.99
MLAT	-23.30	12.34	53.39	85.10	43.66	2.32	-38.83	-79.01	-60.21	-19.79	20.98
L	1.32	1.02	3.40	147.07	1.93	1.03	1.74	21.04	4.36	1.20	1.14
SZA	157.74	135.17	98.56	60.78	27.72	32.30	66.67	103.77	139.24	157.21	130.43
MODE	A										



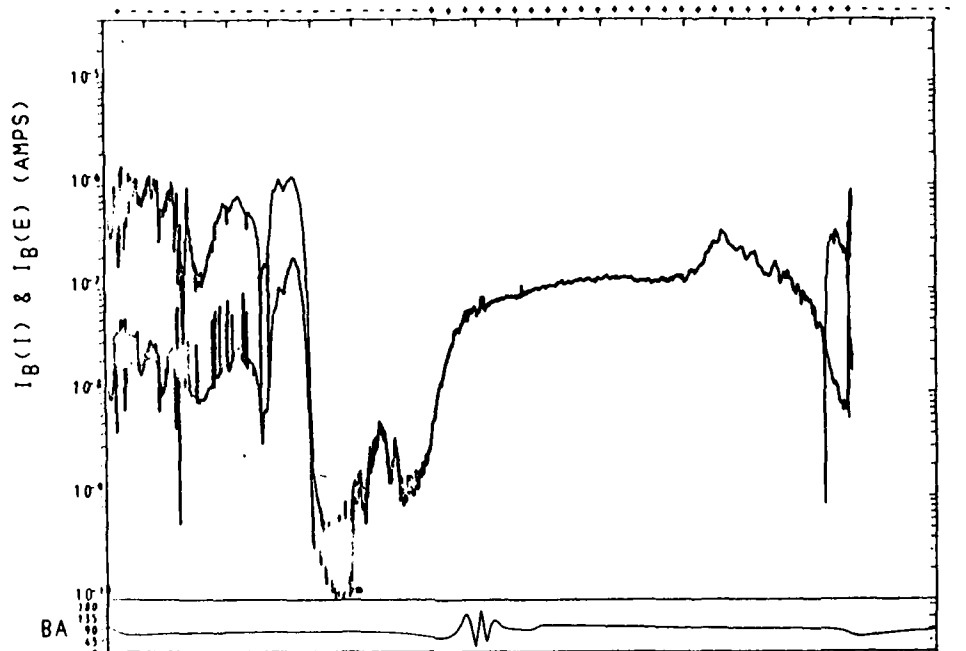
UT	1954:00	2004:00	2014:00	2024:00	2034:00	2044:00	2054:00	2104:00	2114:00	2124:00	2134:00
LT	0714:30	2257:16	2227:26	2208:45	2126:14	1141:50	1036:13	1016:26	0951:07	0437:49	2250:40
ALT	264.69	267.16	240.62	211.10	190.70	175.11	170.16	191.92	235.14	267.18	263.96
LAT	-81.31	-55.42	-15.73	24.42	64.64	72.36	32.08	-8.64	-48.90	-83.66	-50.02
LOX	171.27	44.47	34.51	27.34	14.21	225.60	206.70	199.25	190.43	109.60	20.31
MLAT	-79.47	-58.72	-18.38	22.36	63.32	73.88	32.82	-8.49	-49.37	-84.98	-48.88
L	25.86	3.90	1.29	1.10	4.61	14.45	1.42	1.03	2.69	32.77	2.77
SZA	101.38	137.11	157.61	132.72	95.87	58.14	26.12	34.42	69.31	106.41	141.56
MODE	A										



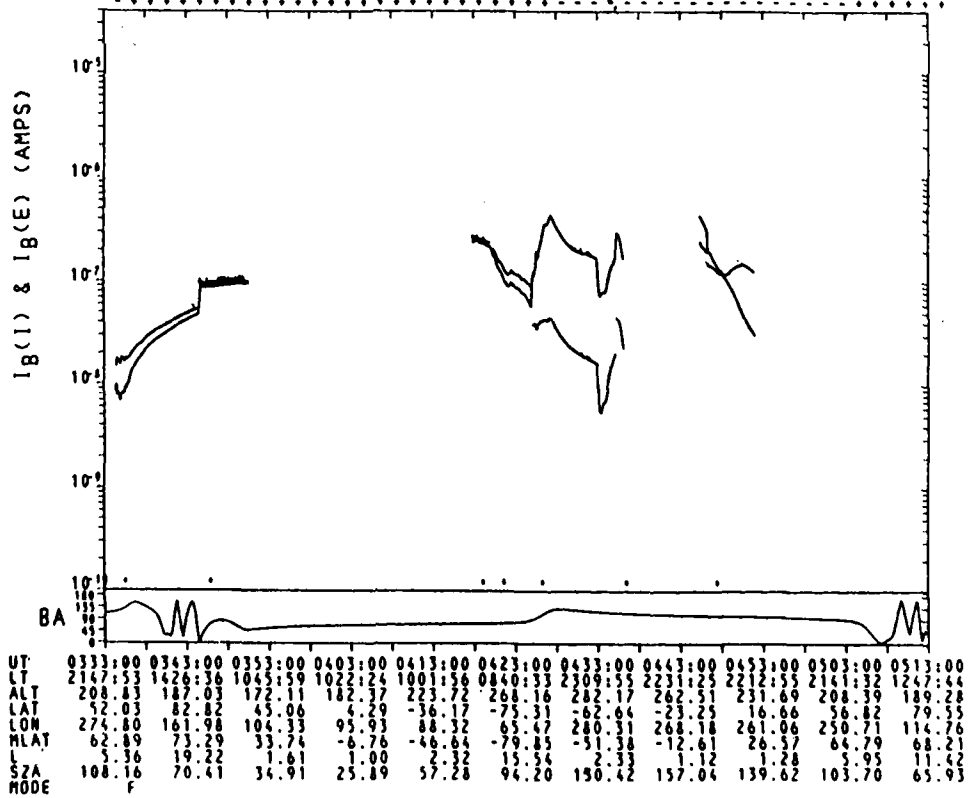
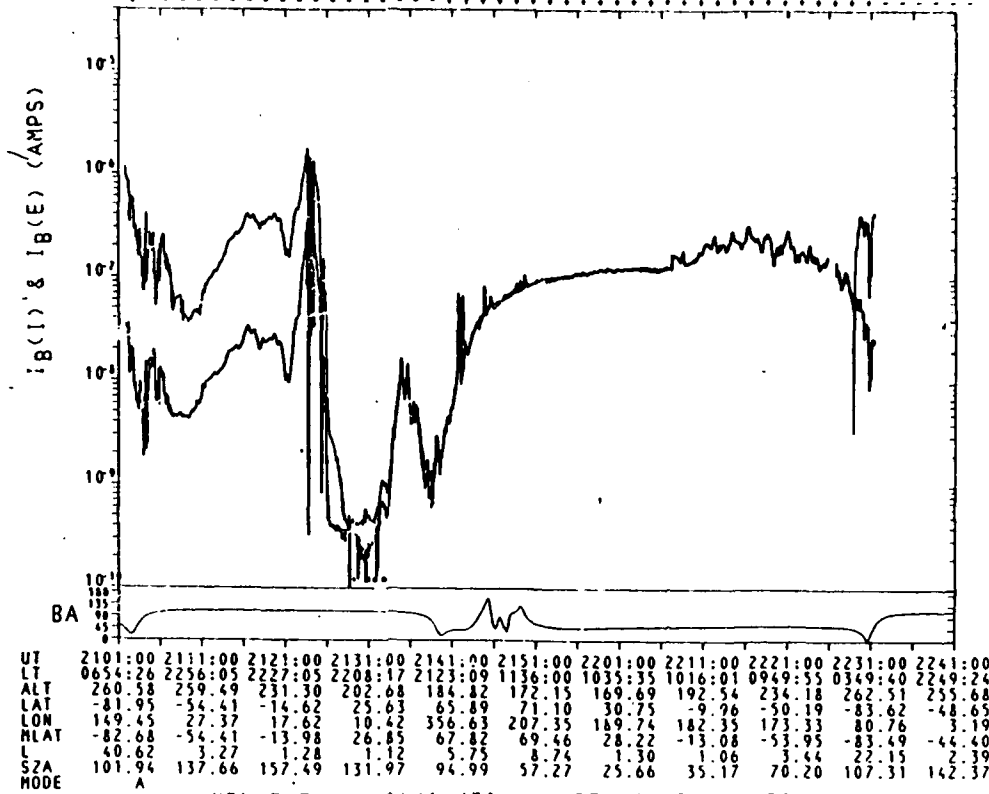
UT	0227:00	0237:00	0247:00	0257:00	0307:00	0317:00	0327:00	0337:00	0347:00	0357:00	0407:00
LT	2138:00	1222:13	1040:08	1019:05	0956:28	0718:51	2257:35	2227:34	2208:53	2126:16	1142:16
ALT	190.77	175.77	168.72	186.01	227.42	262.40	263.68	237.10	209.15	193.25	181.80
LAT	58.91	77.68	37.92	-2.83	-43.19	-81.16	-55.61	-15.89	24.30	64.53	72.48
LOX	288.88	147.44	119.42	111.65	103.50	61.60	293.78	283.77	276.60	263.53	114.95
MLAT	70.27	67.63	26.71	-14.18	-54.48	-81.53	-44.28	-4.58	35.34	74.02	61.15
L	8.90	9.82	1.32	1.00	3.40	16.61	1.84	1.09	1.60	15.14	6.16
SZA	101.38	63.54	29.59	30.26	63.97	101.07	136.86	157.63	132.92	96.07	58.35
MODE	D										

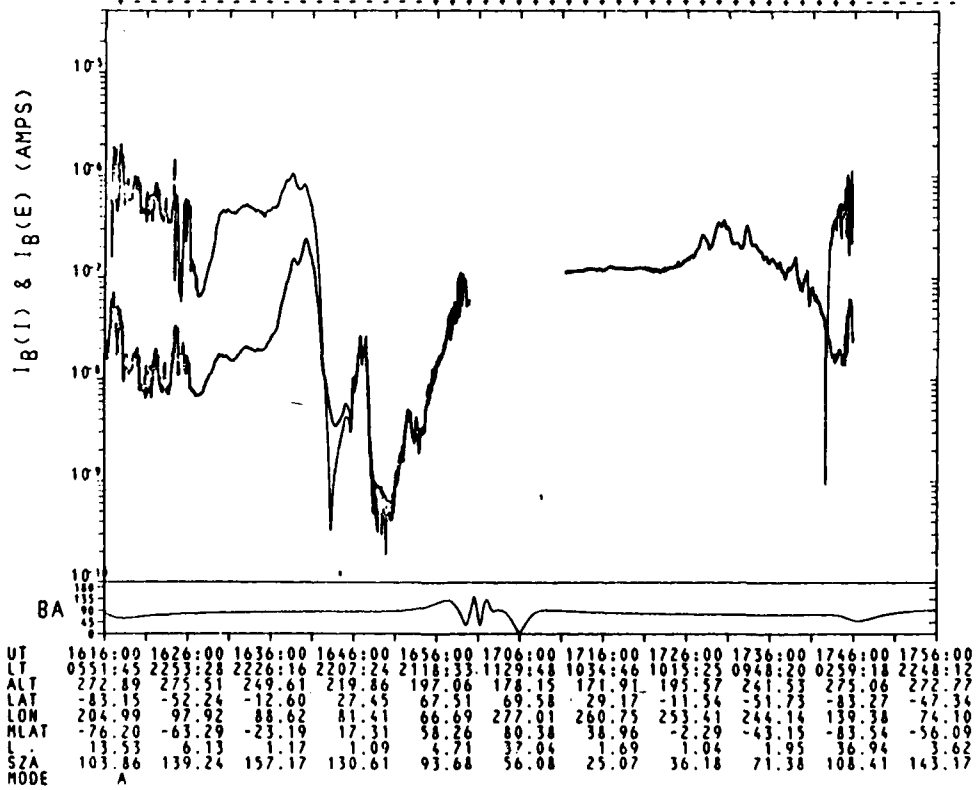
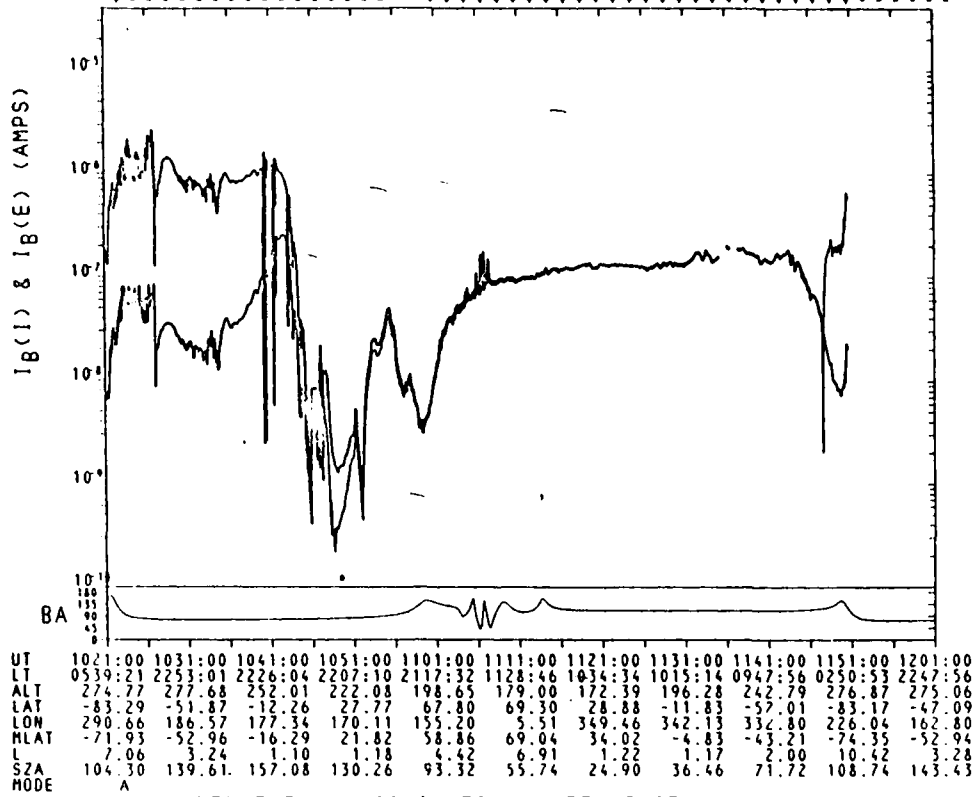


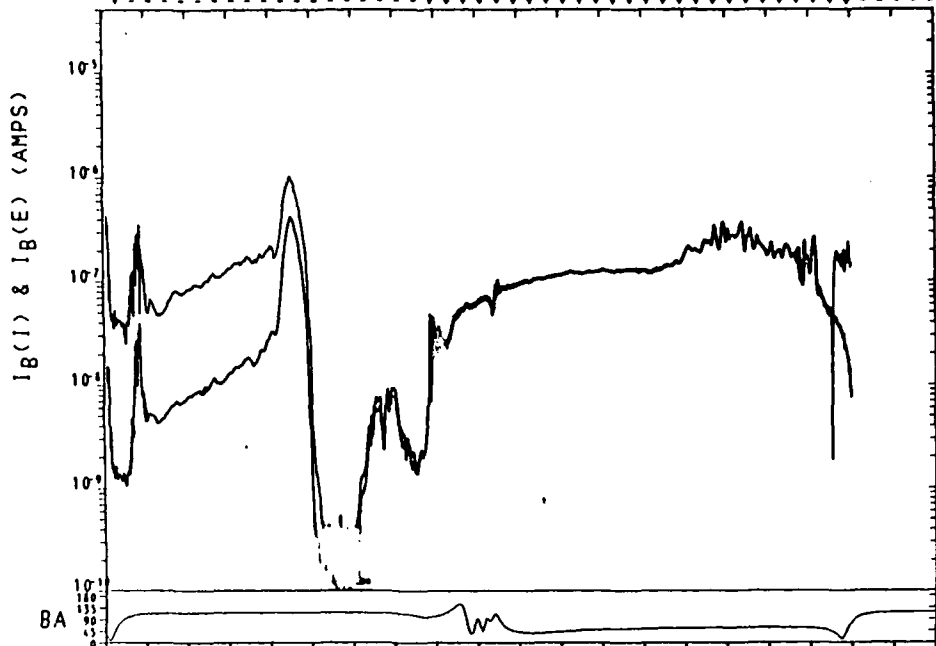
UT	0744:00	0754:00	0804:00	0814:00	0824:00	0834:00	0844:00	0854:00	0904:00	0914:00	0924:00
LT	0622:37	2254:26	2226:27	2207:35	2120:08	1131:44	1034:53	1015:27	0948:45	0317:25	2248:26
ALT	266.46	265.39	237.21	207.97	188.69	174.53	171.67	195.59	238.84	268.16	261.86
LAT	-82.67	-53.21	-13.47	26.73	66.91	70.12	29.73	-10.96	-51.15	-83.43	-47.79
LOX	340.78	226.23	216.74	209.52	193.16	45.56	28.84	21.49	12.31	271.98	202.23
MLAT	-73.08	-47.04	-9.85	28.16	63.66	63.18	27.26	-11.16	-48.45	-72.27	-46.02
L	7.27	2.33	1.07	1.30	3.26	5.88	1.19	1.20	2.69	7.33	2.32
SZA	103.30	138.83	157.29	130.86	93.84	56.17	25.08	36.06	71.26	108.33	143.19
MODE	A										



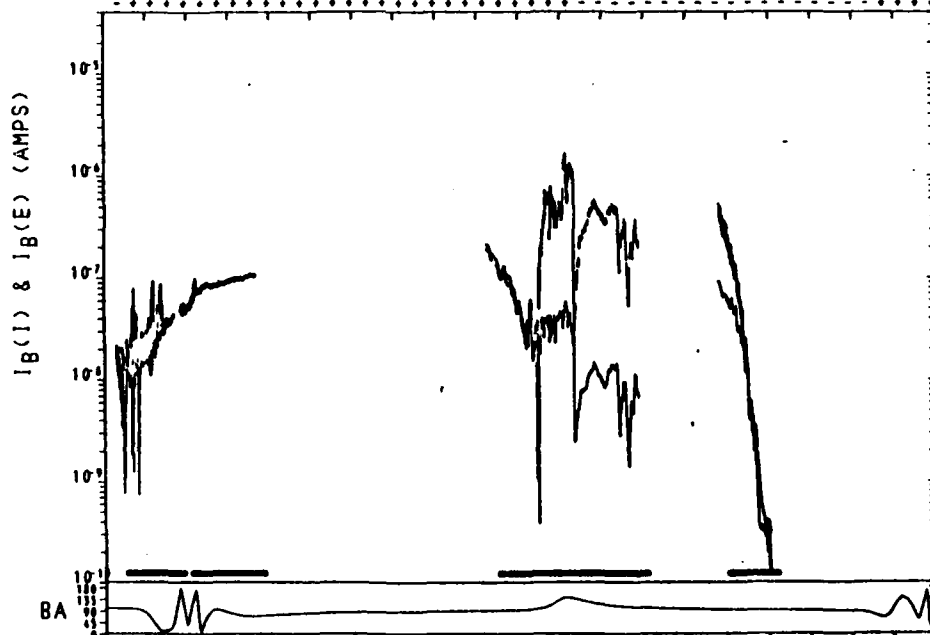
UT	1507:00	1517:00	1527:00	1537:00	1547:00	1557:00	1607:00	1617:00	1627:00	1637:00	1647:00
LT	0627:52	2254:41	2226:33	2207:41	2120:23	1131:57	1034:57	1015:32	0948:51	0317:36	2248:27
ALT	263.55	261.94	233.59	204.81	186.44	173.18	170.77	194.44	236.91	265.30	258.27
LAT	-82.57	-53.37	-13.59	26.64	66.85	70.17	29.77	-10.92	-51.12	-83.44	-47.77
LOX	231.33	115.53	106.00	98.78	84.45	294.85	278.10	270.74	261.57	161.26	91.47
MLAT	-73.48	-64.64	-24.93	15.45	56.23	81.41	40.88	-0.14	-40.86	-81.07	-58.42
L	9.50	7.42	1.17	1.07	4.40	31.78	1.87	1.06	1.75	27.03	4.27
SZA	103.02	138.60	157.32	131.03	93.99	56.31	25.15	35.96	71.14	108.23	143.13
MODE	A										



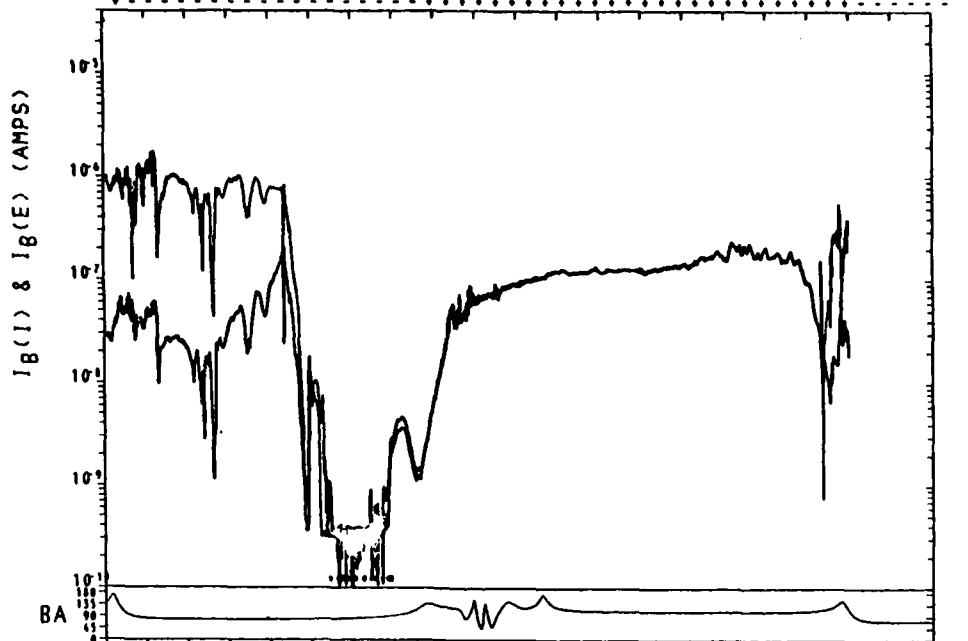




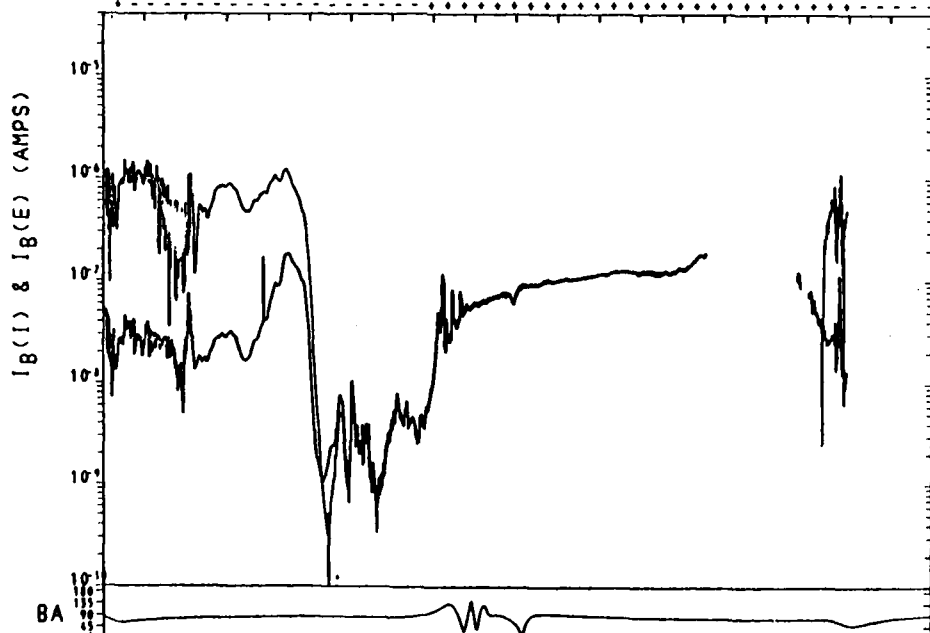
UT	2211:00	2221:00	2231:00	2241:00	2251:00	2301:00	2311:00	2321:00	2331:00	2341:00	2351:00
LT	0547:58	2253:21	2226:14	2207:20	2117:51	1129:01	1034:41	1015:21	0948:03	0250:58	2247:59
ALT	271.04	272.87	246.59	217.10	194.99	176.87	171.30	195.15	240.60	273.17	269.96
LAT	-83.20	-52.10	-12.43	27.66	67.73	69.35	28.92	-11.79	-51.98	-83.17	-47.05
LOW	115.29	9.13	359.85	352.63	337.76	188.05	171.96	164.63	155.31	48.53	345.29
PLAT	-85.36	-48.77	-8.44	32.25	73.11	64.66	23.25	-18.07	-58.96	-80.02	-39.97
L	37.66	2.70	1.23	1.19	8.53	5.89	1.19	1.11	4.82	13.83	2.01
SZA	103.89	139.28	157.14	130.51	93.55	55.94	25.00	36.31	71.54	108.58	143.33
MODE	A										



UT	0441:00	0451:00	0501:00	0511:00	0521:00	0531:00	0541:00	0551:00	0601:00	0611:00	0621:00
LT	2151:53	1623:24	1049:26	1024:08	1004:20	0827:09	2317:54	2273:54	2243:18	2146:37	0951:50
ALT	202.48	183.58	170.47	179.06	217.13	279.89	273.71	274.08	243.48	246.49	187.07
LAT	48.58	183.58	48.49	79.71	-32.78	-51.52	-262.80	-264.08	-243.48	-246.49	81.74
LOW	258.75	174.18	88.77	79.71	-41.89	-51.52	-262.80	-264.08	243.48	246.49	110.49
PLAT	57.90	74.84	37.77	-2.13	-41.89	-51.52	-262.80	-264.08	243.48	246.49	170.38
L	1.81	23.88	1.83	1.00	1.49	1.84	2.14	1.77	1.16	1.85	14.45
SZA	111.71	73.94	37.87	24.24	53.93	90.76	127.25	155.97	142.35	106.81	69.00
MODE	E										



UT	1001:00	1011:00	1021:00	1031:00	1041:00	1051:00	1101:00	1111:00	1121:00	1131:00	1141:00
LT	0609:05	2254:16	2226:38	2207:47	2119:32	1131:27	1035:08	1015:44	0948:54	0312:34	2248:42
ALT	270.90	272.22	245.31	215.51	197.89	176.79	171.94	195.40	240.85	272.96	269.18
LAT	-82.91	-52.78	-13.11	-27.00	67.11	61.96	29.36	-11.14	-51.33	-83.39	-47.70
LONG	303.04	191.83	182.43	175.21	160.74	11.13	34.55	347.20	337.99	236.41	167.94
MLAT	-71.67	-52.78	-16.16	21.91	58.80	68.55	33.55	-4.96	-43.17	-73.79	-52.99
L	6.77	3.19	1.10	1.18	4.27	6.95	1.22	1.17	2.05	9.50	3.22
SZA	103.09	138.57	157.29	131.22	94.31	56.67	25.38	35.69	70.78	107.81	142.68
MODE	A										



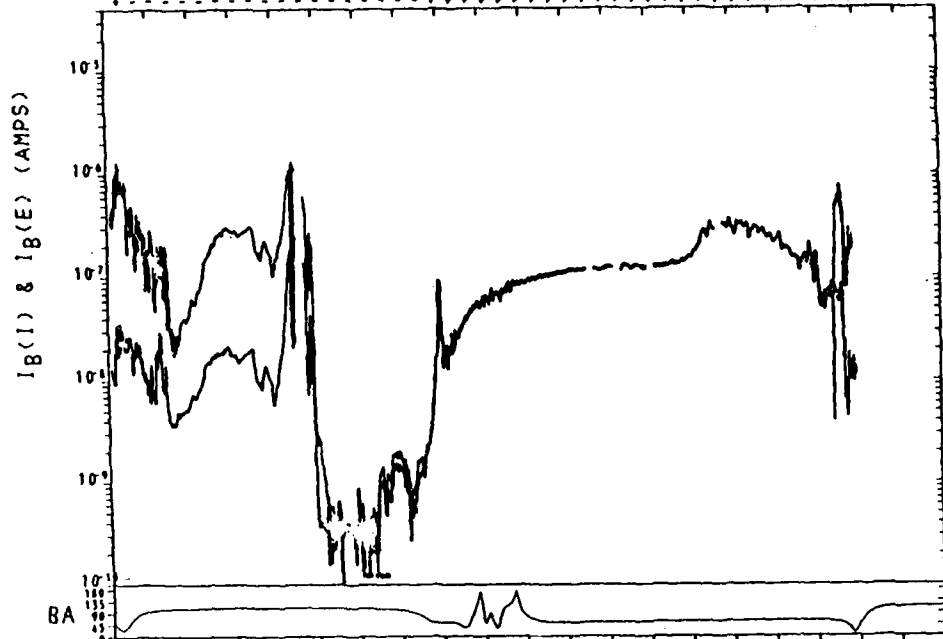
UT	1556:00	1606:00	1616:00	1626:00	1636:00	1646:00	1655:00	1706:00	1716:00	1726:00	1736:00
LT	0344:38	2253:18	2226:17	2207:20	2117:09	1128:03	1034:38	1015:21	0947:53	0242:34	2247:48
ALT	269.39	269.23	241.77	212.43	191.70	175.49	171.57	196.03	240.63	271.23	265.98
LAT	-83.24	-51.96	-12.57	-27.89	68.00	69.06	28.62	-12.08	-52.25	-83.06	-46.75
LONG	288.17	182.83	175.57	160.76	71.29	281.52	265.66	258.36	248.98	140.14	78.95
MLAT	-75.94	-63.83	-23.16	17.36	58.31	80.20	38.90	-2.30	-43.11	-83.55	-56.15
L	12.97	6.43	1.19	1.09	4.82	32.31	1.71	1.05	1.92	39.22	3.65
SZA	103.76	139.17	157.14	130.52	93.53	55.91	25.00	36.35	71.56	108.60	143.35
MODE	A										

NRL 747

08/17/78

REV 2502

FORMAT A



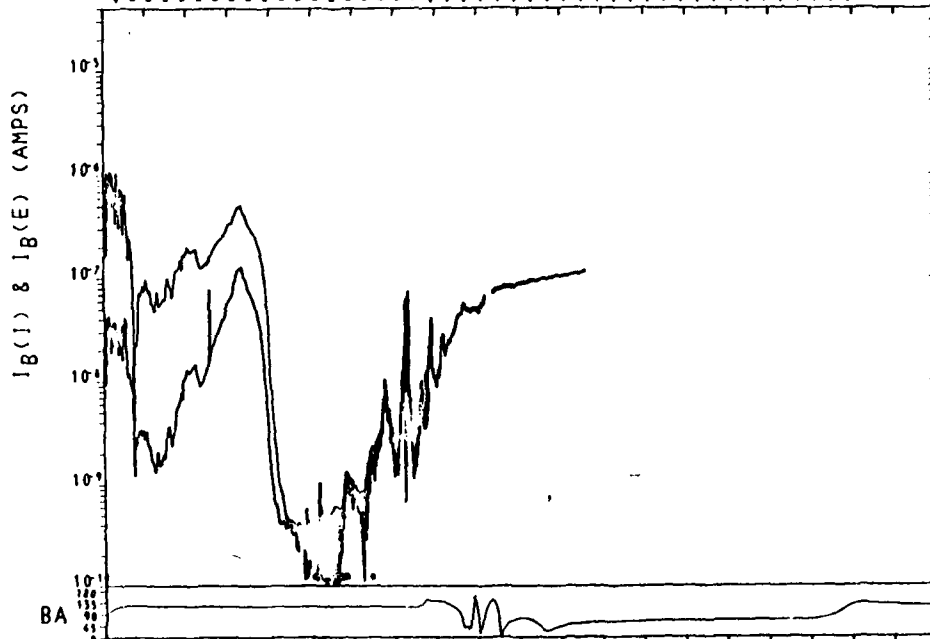
UT	2022:00	2032:00	2042:00	2052:00	2102:00	2112:00	2122:00	2132:00	2142:00	2152:00	2202:00
LT	0545:41	2253:22	2226:19	2207:21	2117:00	1127:54	1034:38	1015:21	0947:49	0240:01	2247:46
ALT	267.72	267.12	239.47	210.39	190.20	174.56	171.00	195.42	239.56	269.50	263.70
LAT	-83.23	-51.98	-12.24	27.92	68.05	69.00	28.56	-12.14	-52.33	-83.02	-46.64
LOW	141.92	36.34	27.07	19.83	4.75	214.97	199.15	191.83	182.45	73.00	32.43
MLAT	-83.29	-53.87	-13.52	27.24	68.11	69.11	27.90	-13.39	-54.20	-82.94	-44.15
F	36.31	3.24	1.22	1.16	6.30	8.22	1.29	1.07	3.47	20.15	2.43
SZA	103.67	139.11	157.14	130.54	93.54	55.91	25.00	36.35	71.57	108.62	143.39
MODE	A										

NRL 747

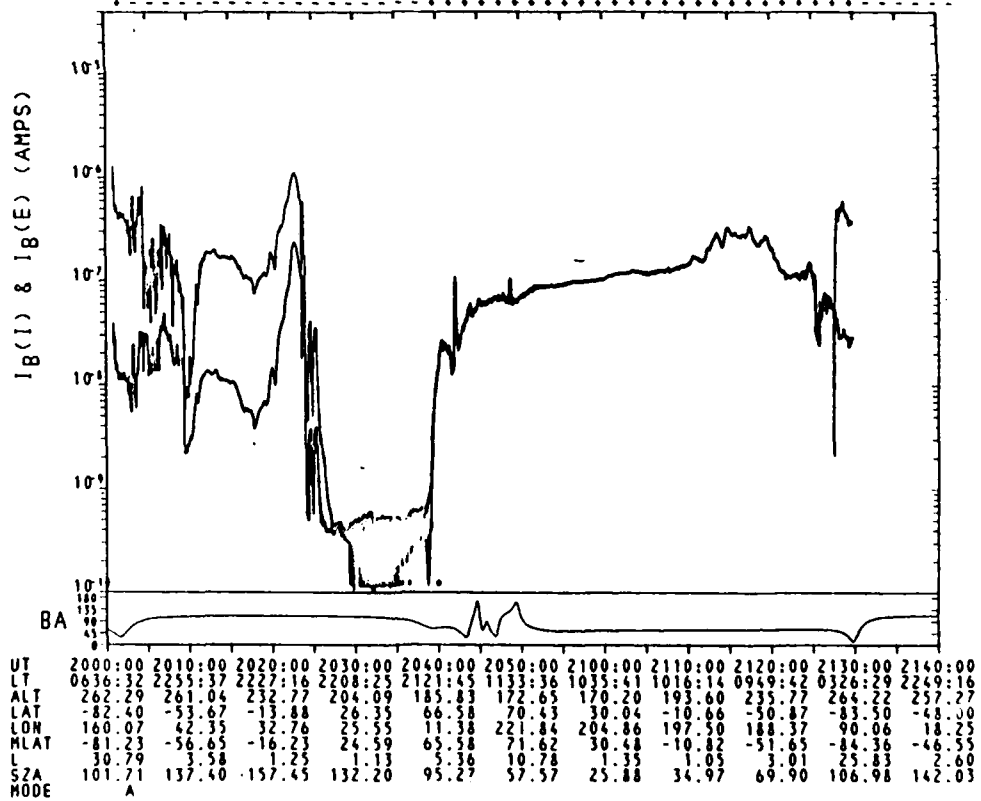
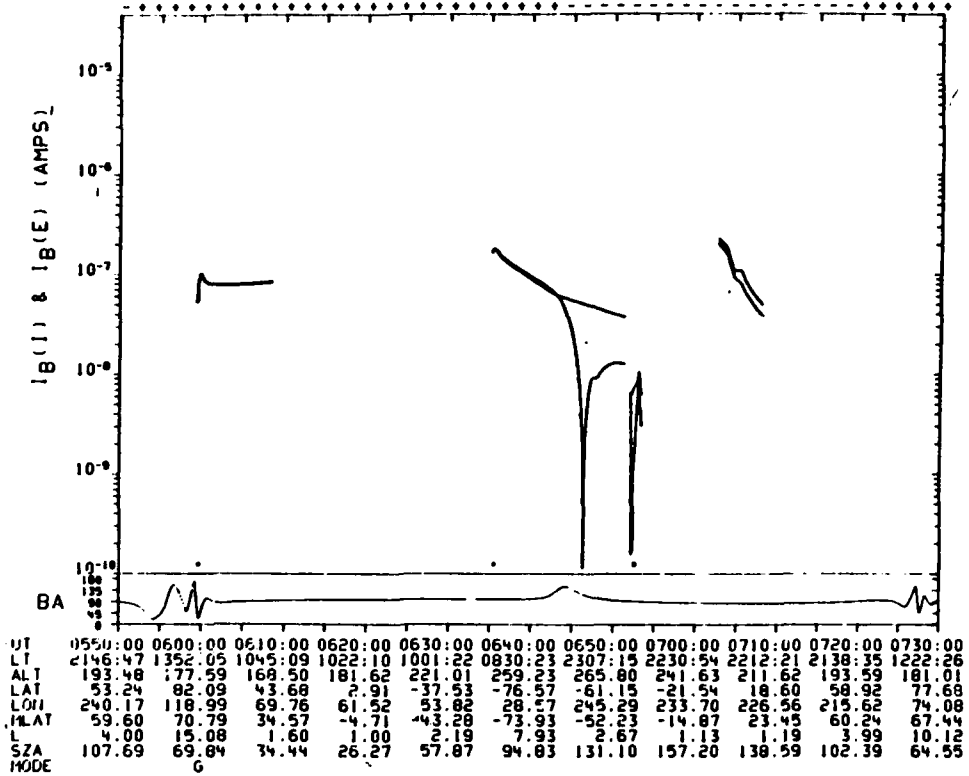
08/18/78

REV 2506

FORMAT A

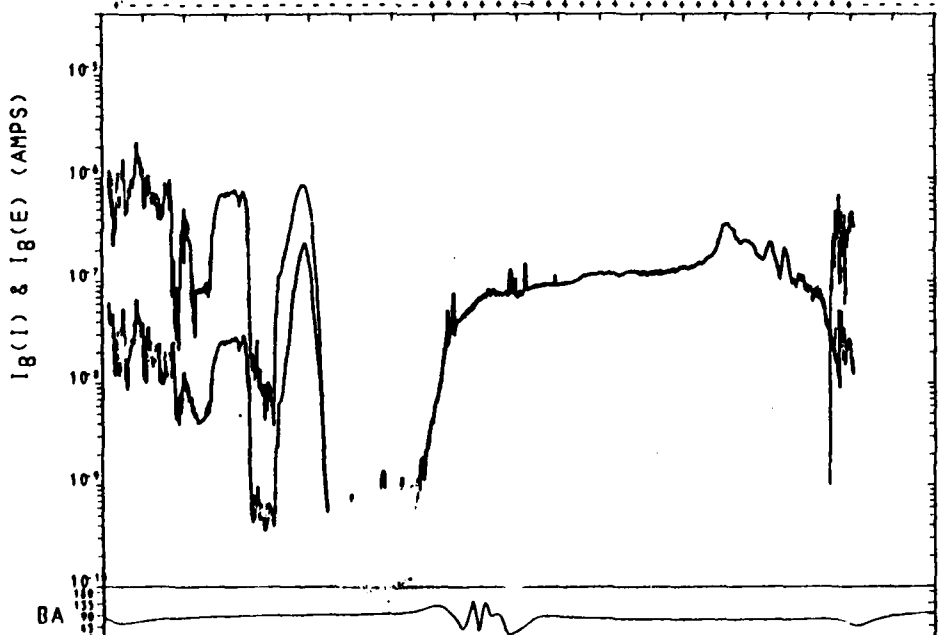


UT	0217:00	0227:00	0237:00	0247:00	0257:00	0307:00	0317:00	0327:00	0337:00	0347:00	0357:00
LT	0442:38	2251:20	2225:29	2206:16	2110:12	1121:34	1033:33	1014:28	0945:26	0147:46	2245:58
ALT	266.34	263.34	234.95	206.64	187.54	172.92	170.77	196.46	240.14	267.73	259.66
LAT	-83.65	-50.14	-10.35	29.86	69.95	67.07	26.55	-14.14	-54.29	-81.97	-44.64
LOW	37.39	307.06	298.10	290.80	274.21	124.62	110.12	102.85	93.09	331.17	283.22
MLAT	-78.85	-39.22	0.89	41.22	80.47	54.99	15.19	-25.42	-65.01	-71.86	-33.34
F	12.17	1.66	1.12	1.91	39.19	4.20	1.07	1.18	6.79	6.64	1.45
SZA	103.28	140.55	156.70	128.91	91.77	54.20	24.22	37.85	73.32	110.36	144.83
MODE	A										

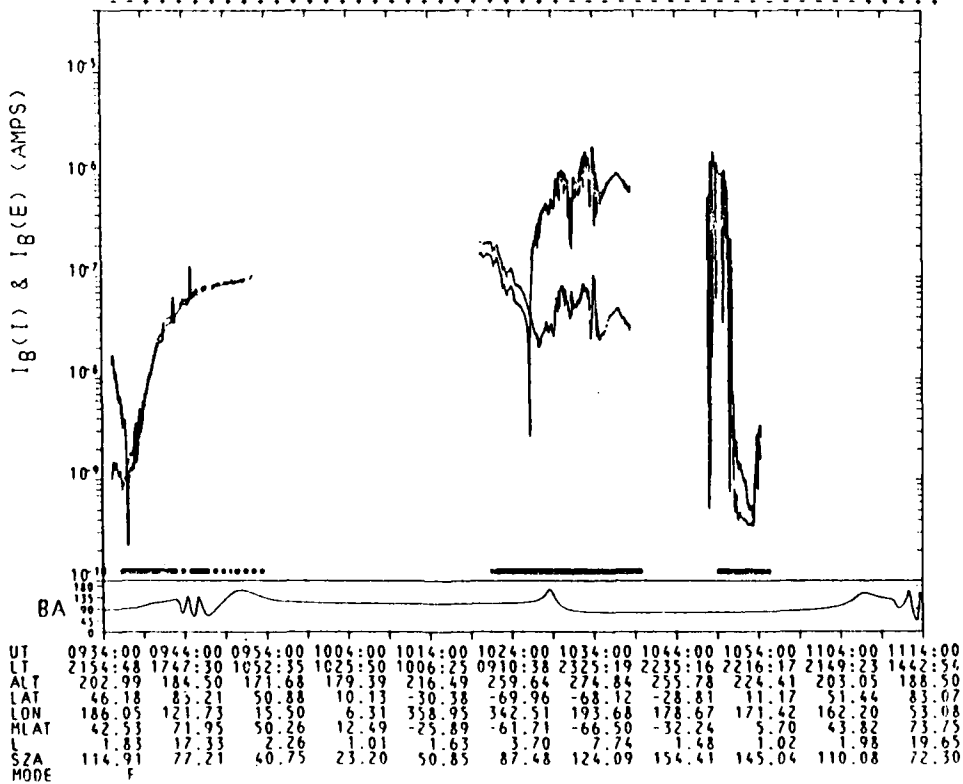
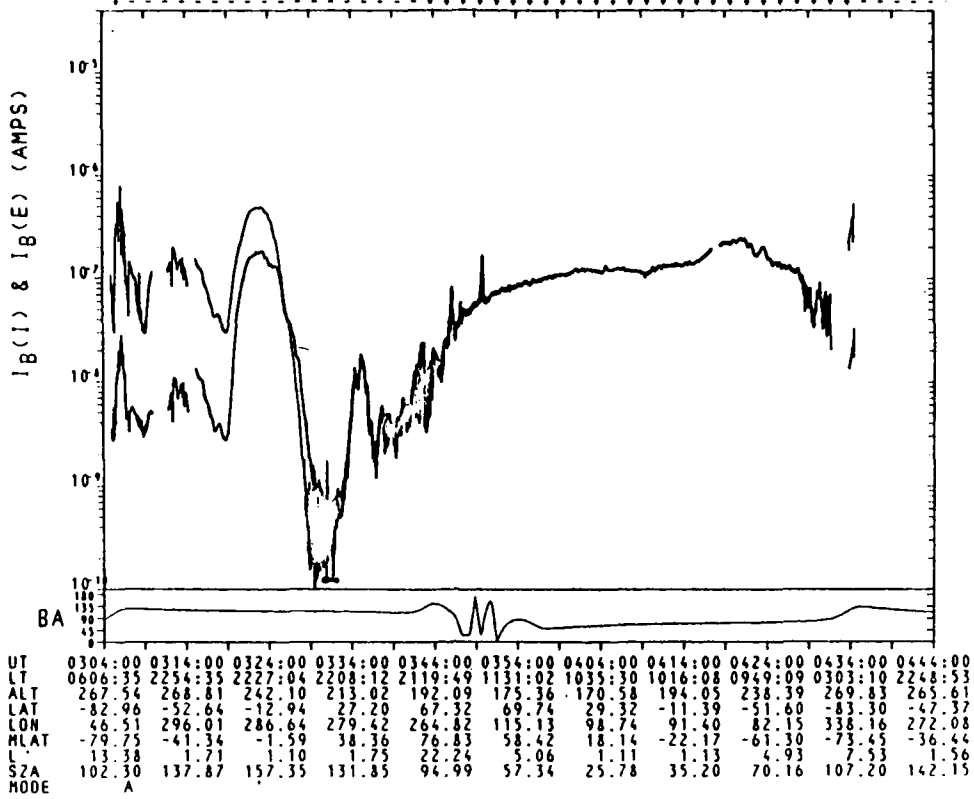


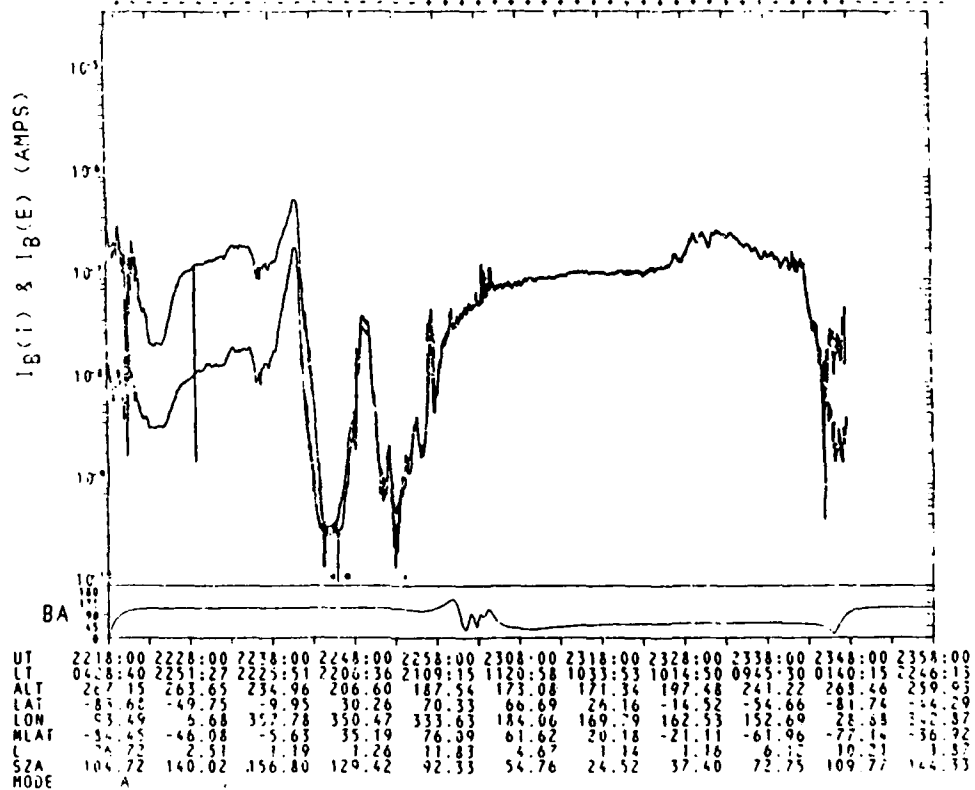
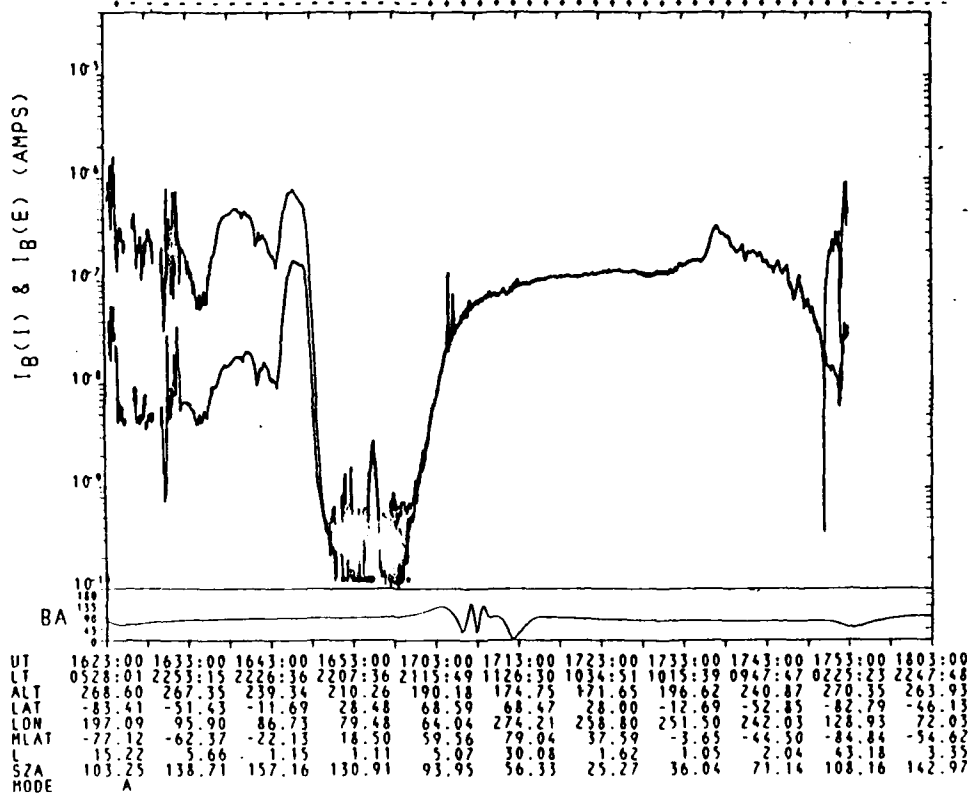


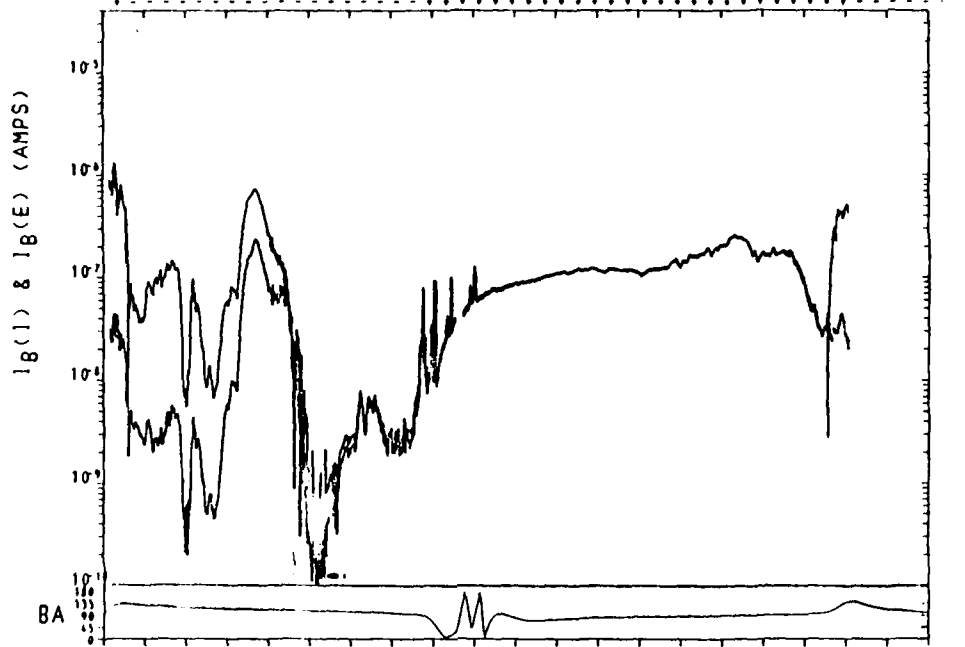
UT	0825:00	0835:00	0845:00	0855:00	0905:00	0915:00	0925:00	0935:00	0945:00	0955:00	1005:00
LT	2155:42	1825:20	1053:54	1026:14	1006:58	0914:59	2329:33	2235:52	2216:46	2150:54	1535:21
ALT	210.46	189.39	173.53	178.81	215.59	261.21	280.40	264.28	233.49	207.80	187.61
LAT	44.96	82.64	52.19	11.45	-28.09	-68.73	-69.38	-30.19	9.69	49.88	83.56
LONG	203.59	148.50	33.14	23.72	16.40	0.91	212.05	196.13	188.85	179.88	83.50
MLAT	44.67	72.31	48.23	10.37	-27.89	-63.00	-64.47	-30.18	7.44	45.02	72.82
L	1.95	17.36	2.28	1.00	1.69	4.11	5.91	1.42	1.04	2.00	18.55
SZA	115.70	78.06	41.52	22.95	50.04	86.63	123.22	153.94	145.88	111.18	73.43
MODE	D										



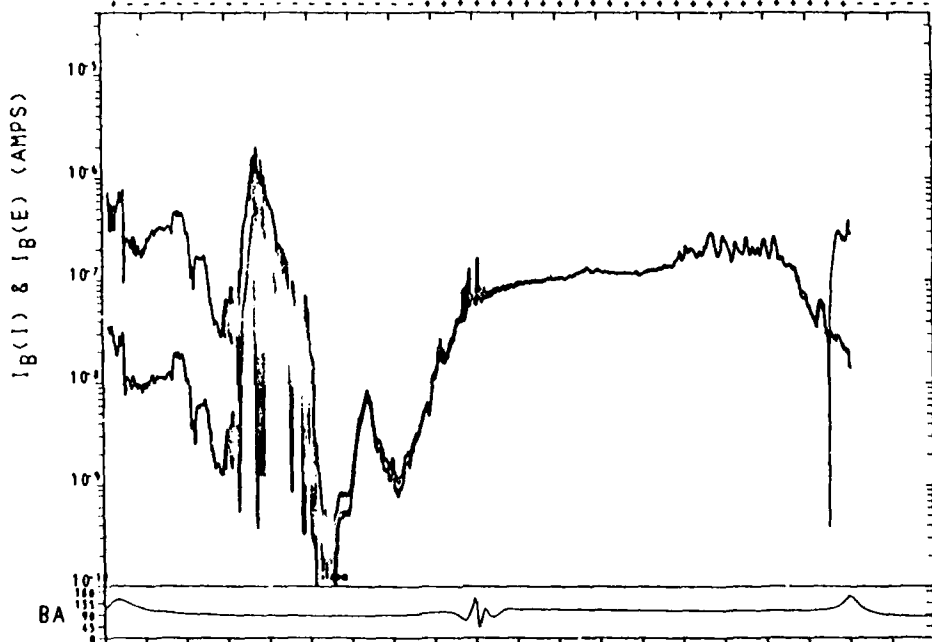
UT	1643:00	1653:00	1703:00	1713:00	1723:00	1733:00	1743:00	1753:00	1803:00	1813:00	1823:00
LT	0616:11	2254:57	2227:11	2208:23	2121:17	1133:05	1035:45	1016:19	0949:43	0323:20	2249:26
ALT	271.16	273.91	247.83	218.13	195.85	177.65	171.70	194.94	240.21	273.50	271.01
LAT	-82.81	-53.01	-13.37	26.71	66.80	70.28	29.90	-10.82	-51.02	-83.48	-48.02
LONG	204.19	91.38	81.94	74.74	60.46	270.91	254.08	246.72	237.57	138.47	67.50
MLAT	-76.08	-63.62	-23.38	17.21	58.23	80.39	38.91	-2.39	-43.28	-83.52	-55.78
L	13.57	6.07	1.19	1.09	4.55	40.13	1.66	1.04	1.99	35.66	3.52
SZA	102.13	137.69	157.40	132.14	95.34	57.70	25.98	34.88	69.77	106.78	141.76
MODE	A										



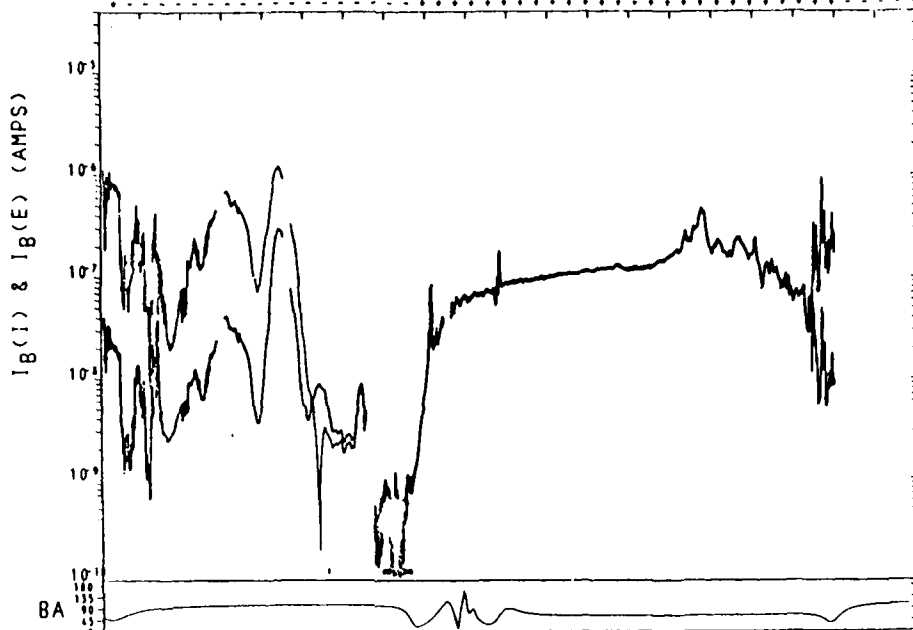




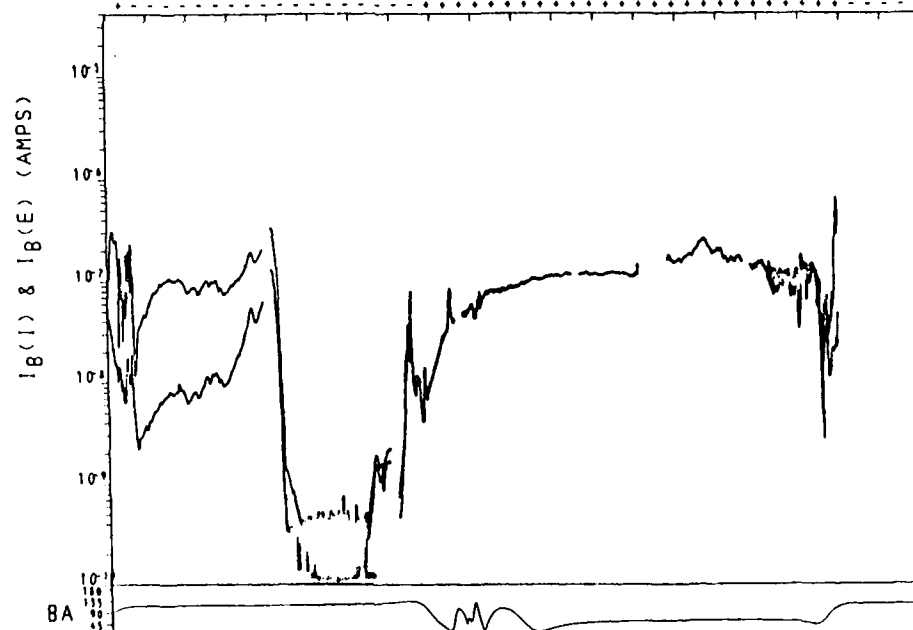
UT	0412:00	0422:00	0432:00	0442:00	0452:00	0502:00	0512:00	0522:00	0532:00	0542:00	0552:00
LT	0529:21	2253:20	2226:40	2207:38	2115:20	1125:57	1034:50	1015:40	0947:37	0218:14	2247:37
ALT	264.17	261.82	233.38	205.06	186.45	172.49	170.33	195.19	238.15	265.92	258.05
LAT	-83.40	-51.42	-11.62	28.61	68.76	68.28	27.79	-12.90	-53.08	-82.66	-45.82
LOW	20.14	278.64	269.47	262.21	246.64	96.79	81.51	74.22	64.70	309.86	254.71
MLAT	-76.96	-40.22	-0.92	38.55	75.06	57.10	17.64	-22.08	-60.22	-71.59	-36.17
L	10.06	1.68	1.06	1.69	16.99	4.72	1.09	1.17	4.33	6.65	1.59
SZA	103.05	138.57	157.17	130.94	93.95	56.31	25.26	36.07	71.19	108.24	143.07
MODE	A										



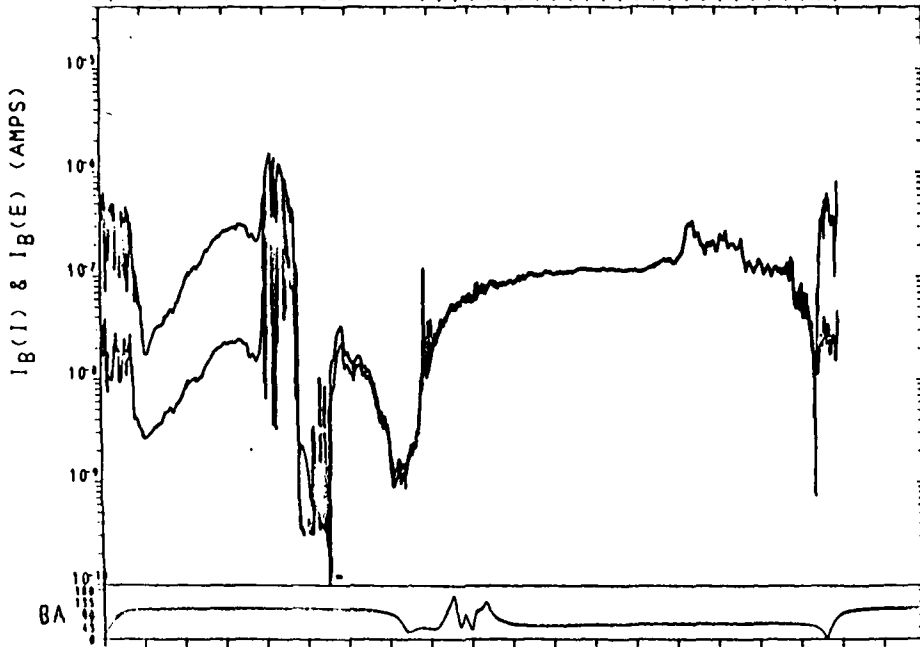
UT	0629:00	0639:00	0649:00	0659:00	0709:00	0719:00	0729:00	0739:00	0749:00	0759:00	0809:00
LT	0539:42	2254:14	2227:21	2208:25	2117:57	1128:44	1035:42	1016:27	0948:34	0242:19	2248:55
ALT	272.23	271.82	243.64	213.63	197.42	176.22	172.89	198.16	243.37	274.18	268.38
LAT	-83.31	-51.80	-12.11	28.02	68.12	68.95	28.51	-12.17	-52.33	-81.05	-46.73
LOW	348.35	244.48	235.26	228.03	212.91	63.10	47.35	40.03	30.66	281.50	220.65
MLAT	-74.14	-43.17	-5.53	32.95	67.97	60.01	22.75	-15.94	-53.09	-71.73	-41.67
L	7.92	1.96	1.05	1.41	7.37	5.20	1.16	1.19	3.14	7.07	1.96
SZA	102.06	137.60	157.33	132.10	95.27	57.63	25.99	34.97	69.80	106.77	141.73
MODE	A										



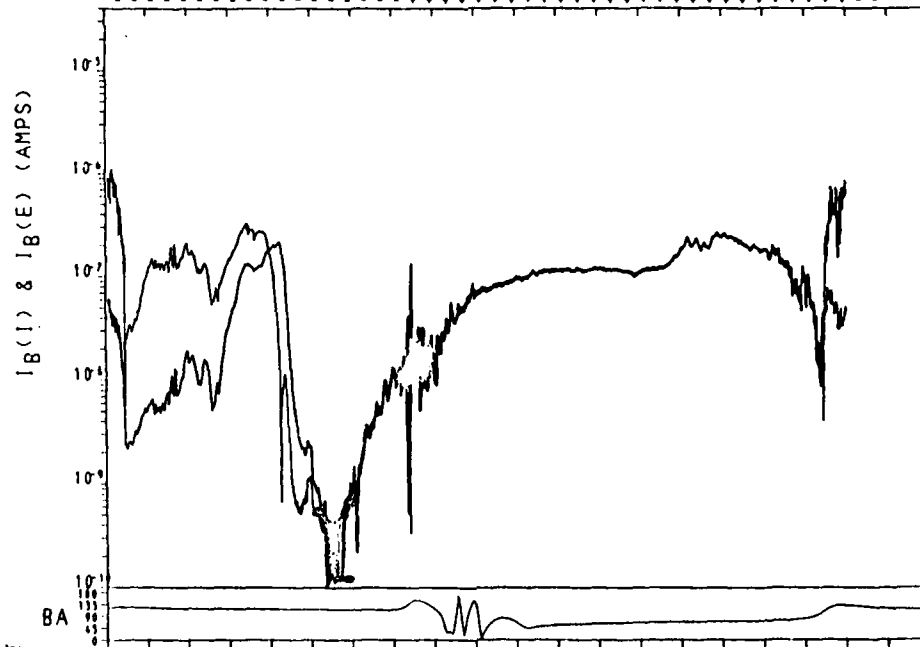
UT	1819:00	1829:00	1839:00	1849:00	1859:00	1909:00	1919:00	1929:00	1939:00	1949:00	1959:00
LT	0427:24	2252:01	2226:28	2207:13	2109:56	1121:32	1034:29	1015:28	0946:11	0142:06	2246:53
ALT	269.35	265.63	236.35	207.42	188.03	173.63	172.35	199.08	243.30	270.71	261.90
LAT	83.67	-49.72	-9.94	30.26	70.33	66.69	26.17	-14.50	-54.62	-81.79	-44.37
LON	152.74	66.40	57.51	30.20	33.37	243.77	229.51	222.26	212.44	88.92	42.61
MLAT	-81.98	-57.26	-16.80	24.01	65.12	72.73	31.41	-9.87	-50.67	-85.36	-47.83
L	29.66	3.77	1.13	1.20	6.26	12.44	1.36	1.06	2.77	29.66	2.63
SZA	103.80	139.18	156.98	130.31	93.30	55.70	25.00	36.60	71.76	108.75	143.44
MODE	A										



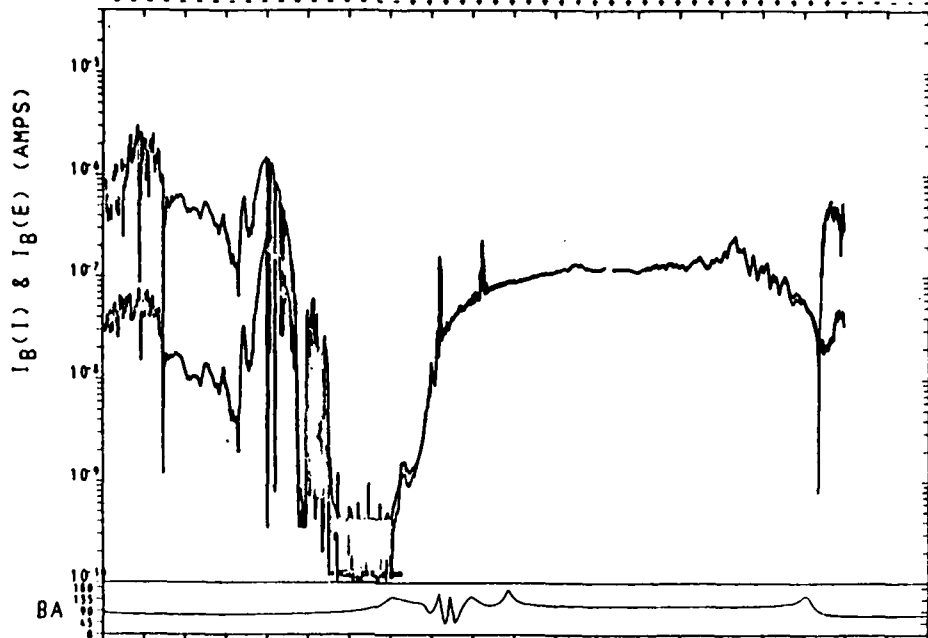
UT	0014:00	0024:00	0034:00	0044:00	0054:00	0104:00	0114:00	0124:00	0134:00	0144:00	0154:00
LT	0321:13	2250:10	2225:39	2206:05	2101:20	1116:19	1033:28	1014:34	0943:29	0105:01	2245:15
ALT	267.87	261.80	231.92	203.82	185.49	172.11	172.26	200.21	243.66	268.81	257.83
LAT	-83.46	-47.86	-8.03	32.22	72.22	64.73	24.15	-16.51	-56.58	-80.38	-42.36
LON	47.43	337.17	328.54	321.15	302.46	153.70	140.49	133.27	122.99	350.88	313.43
MLAT	-79.93	-39.66	0.82	41.63	82.82	55.74	14.31	-26.82	-67.48	-71.97	-31.84
L	13.68	1.91	1.11	1.64	35.67	3.62	1.06	1.22	10.28	6.63	1.47
SZA	105.43	140.62	156.53	128.67	91.52	53.98	24.23	38.10	73.52	110.50	144.91
MODE	A										



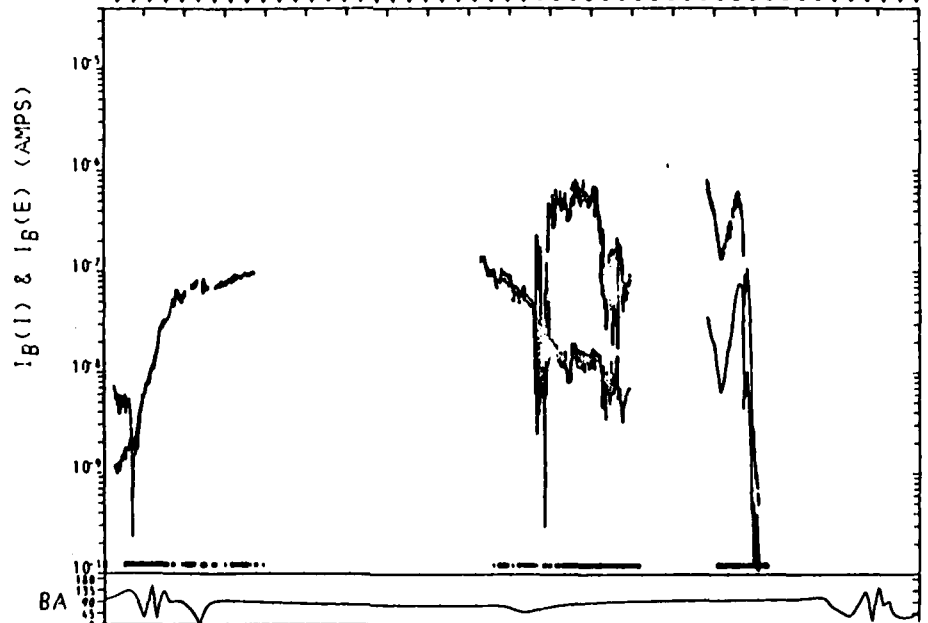
UT	2055:00	2105:00	2115:00	2125:00	2135:00	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00
LT	0324:53	2250:26	2225:52	2208:55	2101:04	1116:14	1033:36	1014:44	0943:32	0103:19	2245:19
ALT	264.67	256.79	226.13	198.76	182.31	171.03	172.53	200.40	242.49	265.27	252.41
LAT	-83.49	-47.92	-8.03	32.28	72.32	64.62	24.04	-16.61	-56.68	-80.28	-42.19
LOW	98.04	26.93	18.28	10.88	352.08	203.37	190.22	183.00	172.70	40.15	3.14
MLAT	-84.87	-48.16	-7.65	33.24	74.05	63.08	21.76	-19.48	-60.21	-78.00	-38.14
L	29.17	2.72	1.15	1.26	10.61	4.90	1.18	1.14	5.18	11.17	2.09
SZA	105.04	140.31	156.61	128.90	91.72	54.16	24.32	37.93	73.32	110.32	144.79
MODE	A										



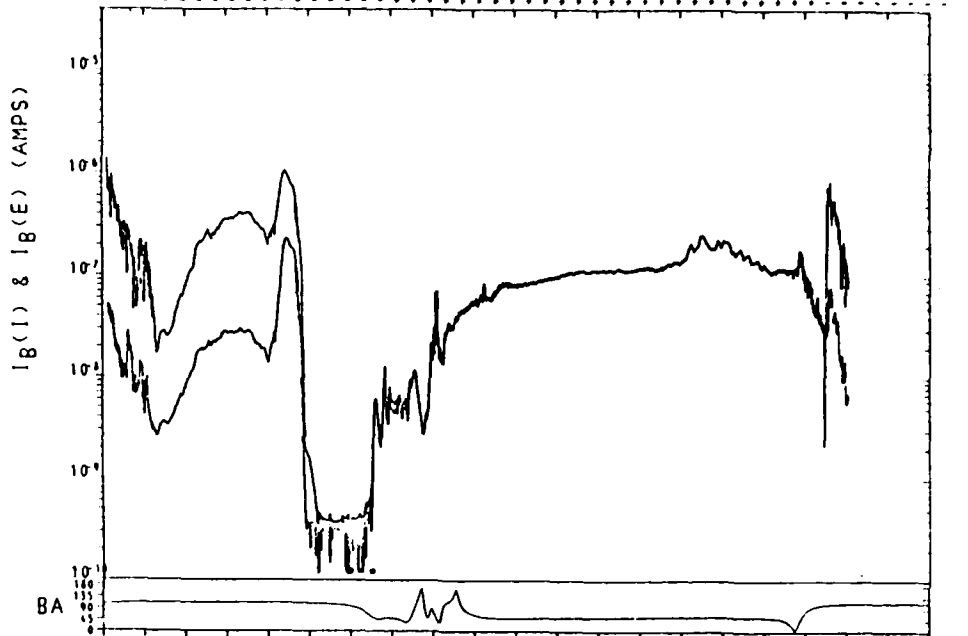
UT	0250:00	0300:00	0310:00	0320:00	0330:00	0340:00	0350:00	0400:00	0410:00	0420:00	0430:00
LT	0149:37	2247:23	2224:24	2204:06	2040:45	1108:45	1031:51	1013:05	0938:03	0021:25	2242:42
ALT	262.94	251.85	220.54	194.69	179.63	169.50	173.12	202.83	243.93	263.08	247.08
LAT	-81.99	-44.60	-4.64	35.72	75.54	61.19	20.53	-20.08	-60.08	-77.44	-38.71
LOW	345.46	297.40	289.15	281.58	258.24	112.74	101.01	93.82	82.56	300.90	273.72
MLAT	-72.85	-33.34	6.72	46.95	82.51	49.84	9.29	-30.99	-69.63	-66.21	-27.72
L	7.10	1.45	1.12	2.33	81.50	3.06	1.00	1.36	8.91	4.60	1.33
SZA	108.00	142.88	155.52	125.94	88.56	51.15	23.26	40.65	76.42	113.40	147.28
MODE	A										



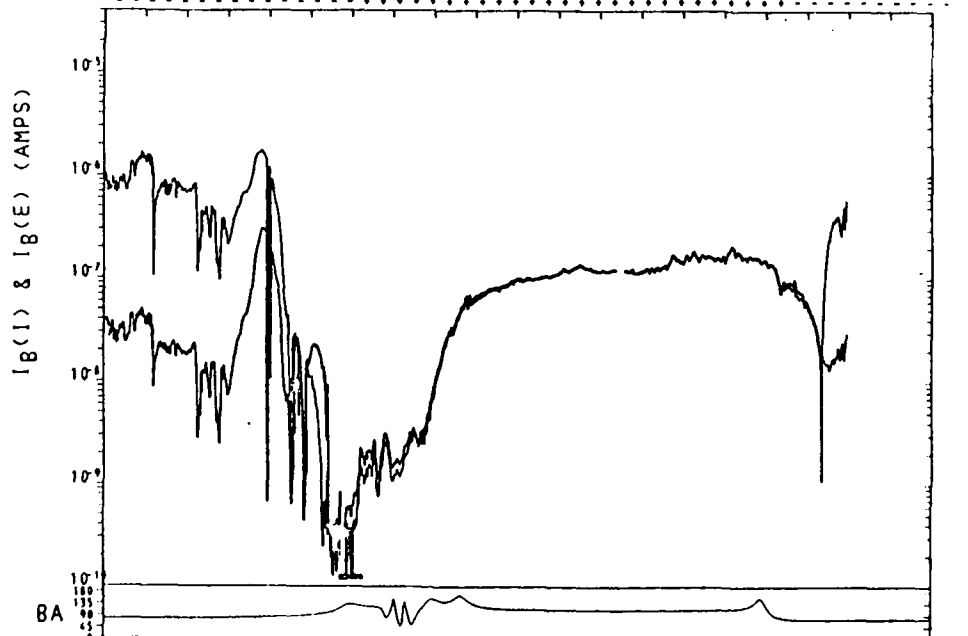
UT	1014:00	1024:00	1034:00	1044:00	1054:00	1104:00	1114:00	1124:00	1134:00	1144:00	1154:00
LT	0020:50	2242:42	2221:46	2159:39	1930:27	1058:48	1028:53	1009:54	0924:34	2341:06	2238:36
ALT	260.14	243.82	212.15	188.93	175.79	167.44	174.77	207.47	246.33	259.13	238.44
LAT	-77.38	-38.61	1.47	41.89	80.78	54.99	14.27	-26.30	-66.11	-71.80	-32.49
LON	212.24	185.21	177.47	169.44	129.64	359.23	349.25	342.00	328.17	179.80	161.68
MLAT	-71.28	-40.50	-2.76	35.56	69.75	57.35	19.72	-19.10	-56.54	-72.17	-38.92
L	9.36	1.89	1.01	1.52	13.14	2.89	1.04	1.39	2.89	14.53	1.77
SZA	113.39	147.29	152.66	120.49	82.84	45.81	22.49	45.74	82.04	118.93	151.34
MODE	A										



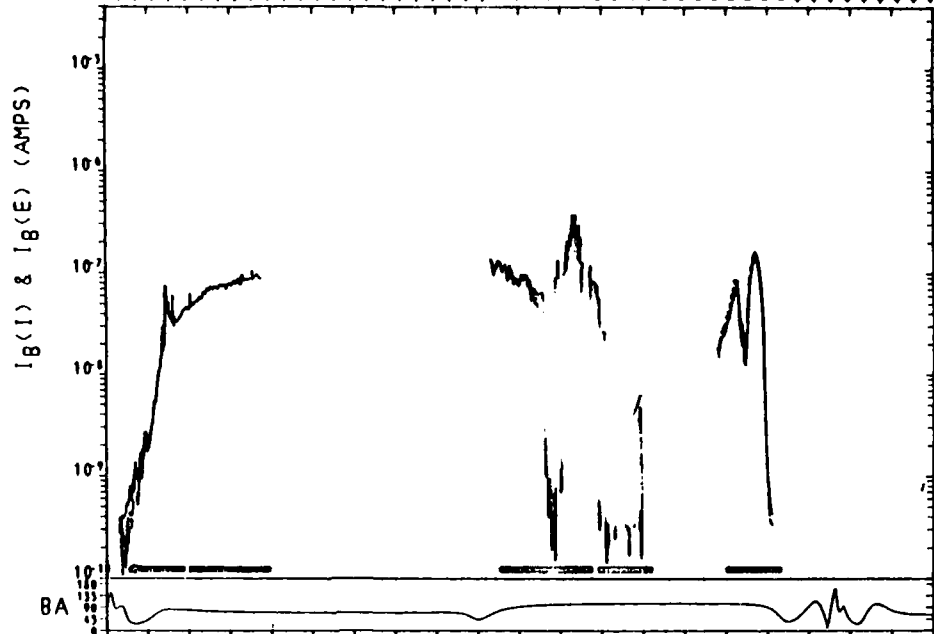
UT	1643:00	1653:00	1703:00	1713:00	1723:00	1733:00	1743:00	1753:00	1803:00	1813:00	1823:00
LT	2132:39	1153:06	1039:28	1019:25	0955:03	0533:46	2254:25	2227:40	2208:32	2115:08	1125:17
ALT	179.12	169.33	167.35	187.97	227.55	255.22	248.48	218.58	191.85	178.67	169.63
LAT	62.87	73.98	33.79	-6.93	-47.23	-83.36	-51.47	-11.52	28.86	69.13	67.82
LON	72.93	285.54	264.63	257.12	248.52	181.20	78.37	69.18	61.89	46.04	256.08
MLAT	53.16	85.26	43.94	2.69	-38.21	-78.79	-60.70	-20.07	20.89	62.20	75.93
L	3.54	94.43	2.01	1.04	1.69	19.50	4.68	1.15	1.15	5.48	19.51
SZA	101.12	63.27	29.53	30.63	64.23	101.34	137.11	157.34	132.16	95.15	57.41
MODE	E										



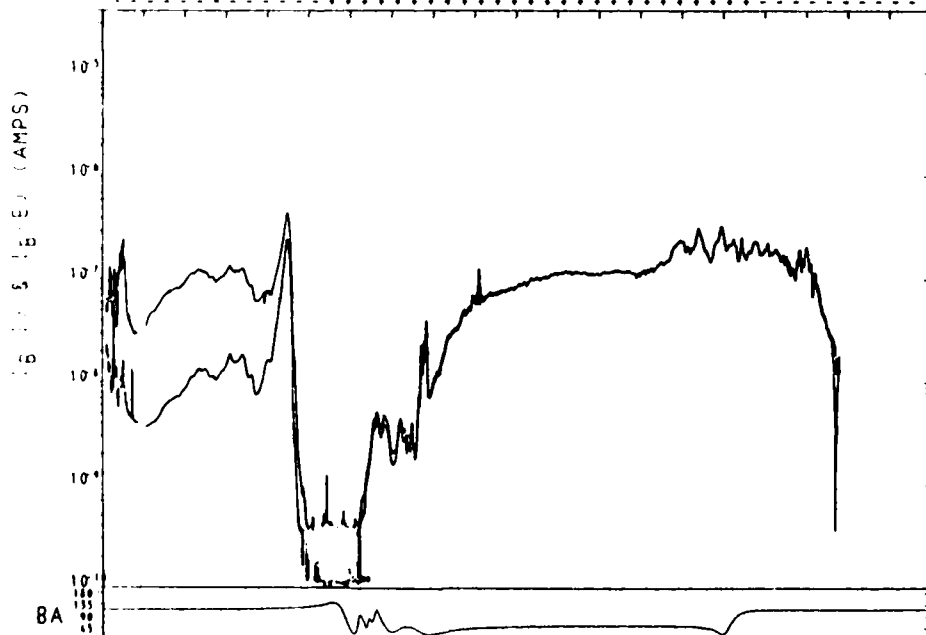
UT	2035:00	2045:00	2055:00	2105:00	2115:00	2125:00	2135:00	2145:00	2155:00	2205:00	2215:00
LT	2334:29	2337:42	2318:22	2152:24	1531:54	1049:46	1025:18	1005:15	0853:38	2315:16	2234:03
ALT	254.29	232.36	201.48	182.01	171.17	165.36	177.54	212.89	247.51	251.94	226.37
LAT	-70.30	-30.85	9.37	49.86	83.53	46.96	6.20	-34.30	-73.70	-64.11	-24.41
LOX	45.37	28.67	21.34	12.35	274.73	201.69	193.08	185.56	165.16	18.06	5.27
HLAT	-72.20	-32.01	8.80	49.90	84.63	46.22	4.84	-36.25	-76.43	-61.65	-21.19
L	7.65	1.79	1.00	2.19	453.35	2.04	1.02	1.64	29.59	4.12	1.57
SZA	120.24	152.22	147.75	113.36	75.50	39.23	23.83	52.55	89.30	125.95	155.38
MODE	A										



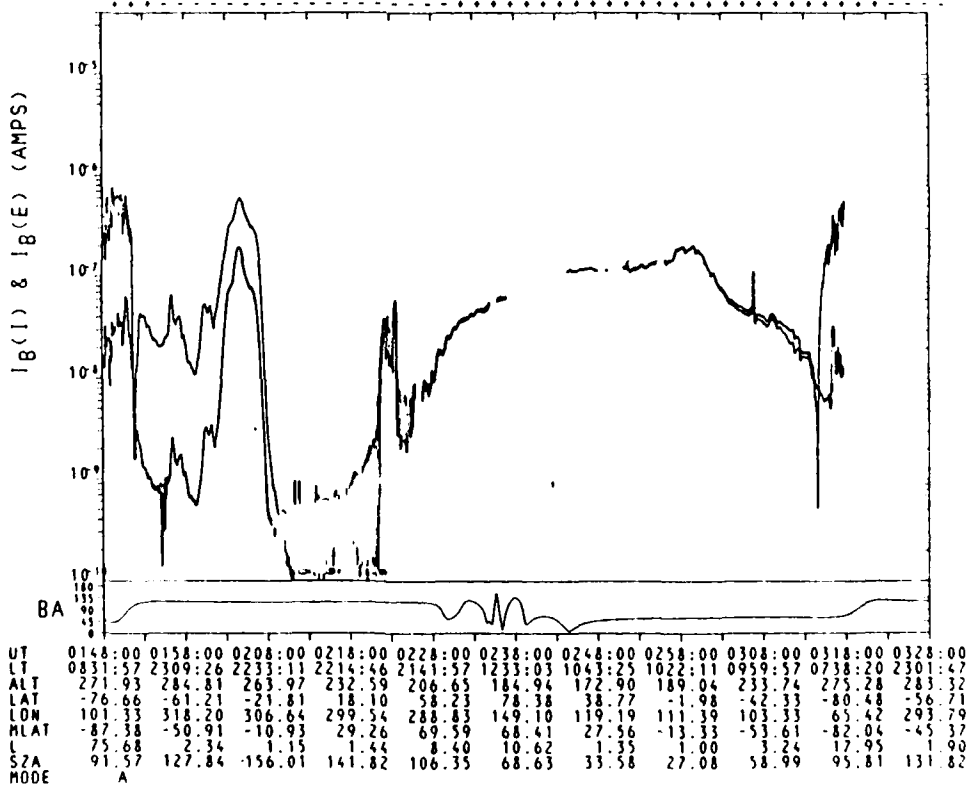
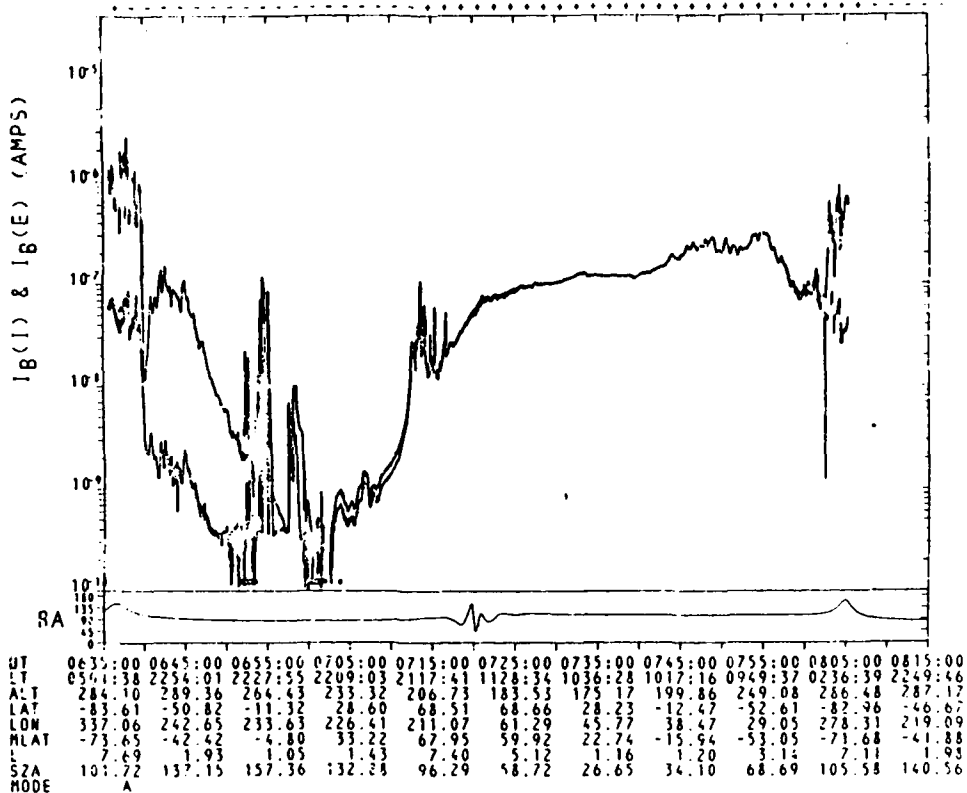
UT	0954:00	1004:00	1014:00	1024:00	1034:00	1044:00	1054:00	1104:00	1114:00	1124:00	1134:00
LT	2259:29	2229:39	2210:49	2126:29	1139:28	1037:58	1018:22	0952:24	0353:56	2251:29	2226:29
ALT	241.28	212.38	186.02	172.82	164.89	164.52	185.94	223.48	246.74	236.43	206.16
LAT	-55.31	-15.34	25.10	65.51	71.40	31.02	-9.72	-50.01	-83.64	-48.53	-8.44
LOX	196.83	186.88	179.67	166.08	16.83	358.95	351.55	342.56	250.44	172.33	163.58
HLAT	-54.21	-17.48	20.84	57.93	68.75	34.34	-4.29	-42.48	-73.21	-52.56	-14.94
L	3.39	1.11	1.16	3.91	7.49	1.24	1.16	2.07	8.58	3.19	1.07
SZA	133.61	157.47	135.58	98.87	61.02	28.00	32.34	66.59	103.73	139.31	156.86
MODE	A										

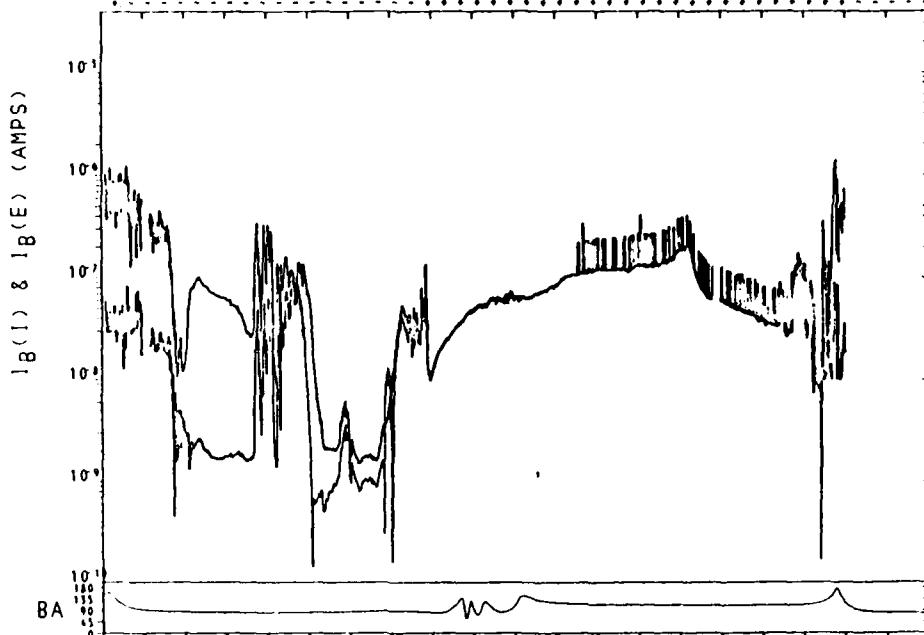


UT	1751:00	1801:00	1811:00	1821:00	1831:00	1841:00	1851:00	1901:00	1911:00	1921:00	1931:00
LT	1631:03	1051:33	1026:15	1006:28	0901:18	2318:39	2234:57	2216:07	2145:58	1307:39	1044:55
ALT	165.47	161.21	171.81	204.50	237.03	240.50	215.21	186.92	171.86	161.33	151.81
LAT	83.69	48.55	7.76	-32.80	-72.39	-65.38	-25.60	14.80	55.37	80.48	41.19
LON	340.47	253.08	244.25	236.80	218.01	69.85	56.42	49.22	39.18	267.10	228.92
HLAT	81.16	57.13	15.67	-25.49	-66.26	-72.67	-32.05	8.95	50.24	85.60	42.93
L	53.85	3.57	1.08	1.30	6.34	9.64	1.56	1.00	2.58	732.34	42.03
SZA	77.31	40.79	23.28	50.94	87.68	124.50	154.74	144.02	108.57	70.57	35.00
MODE	G										

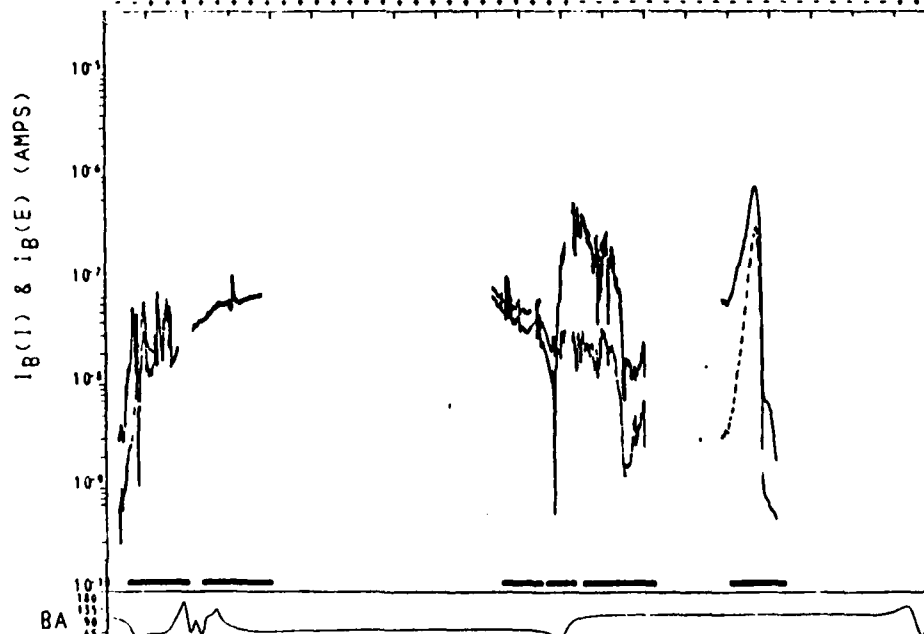


UT	2312:00	2322:00	2332:00	2342:00	2352:00	0002:00	0012:00	0022:00	0032:00	0042:00	0052:00
LT	2244:12	2222:46	2200:56	1946:23	1100:27	1029:43	1010:46	0926:50	2343:40	2239:04	2219:21
ALT	223.28	193.06	173.69	165.33	159.93	166.54	196.87	232.83	240.52	214.31	182.48
LAT	-40.05	0.23	40.82	80.06	55.88	15.12	-25.50	-65.45	-72.27	-32.75	7.66
LON	353.47	345.61	337.66	301.52	167.54	157.35	150.11	136.63	348.34	329.69	322.26
HLAT	-34.40	6.51	47.74	87.35	48.89	7.38	-33.84	-74.70	-64.54	-23.83	17.13
L	1.87	1.07	1.83	205.46	2.37	1.01	1.49	33.41	4.24	1.40	1.10
SZA	145.81	153.64	121.99	84.28	47.08	22.53	44.57	80.87	117.95	150.80	149.20
MODE	A										

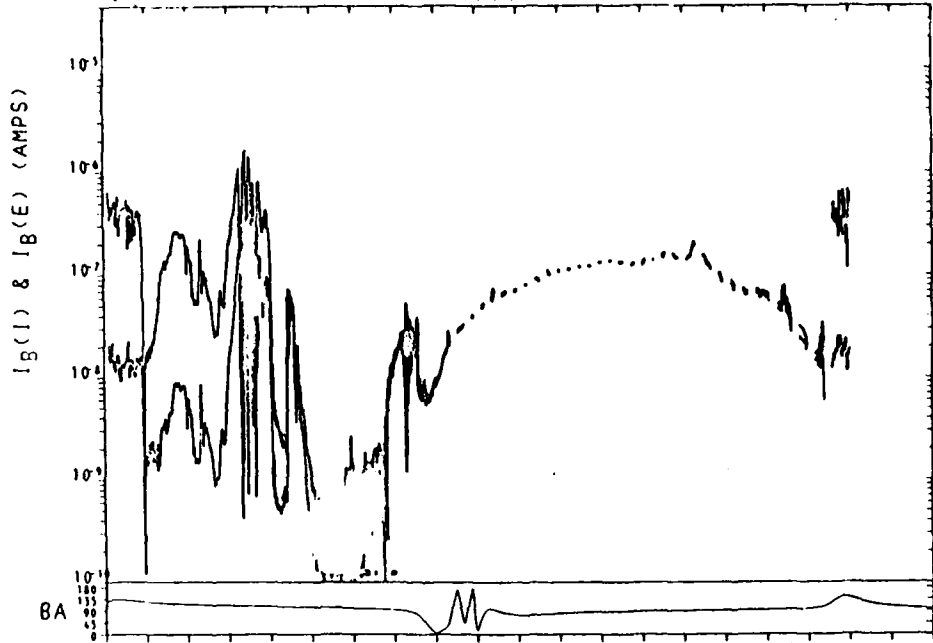




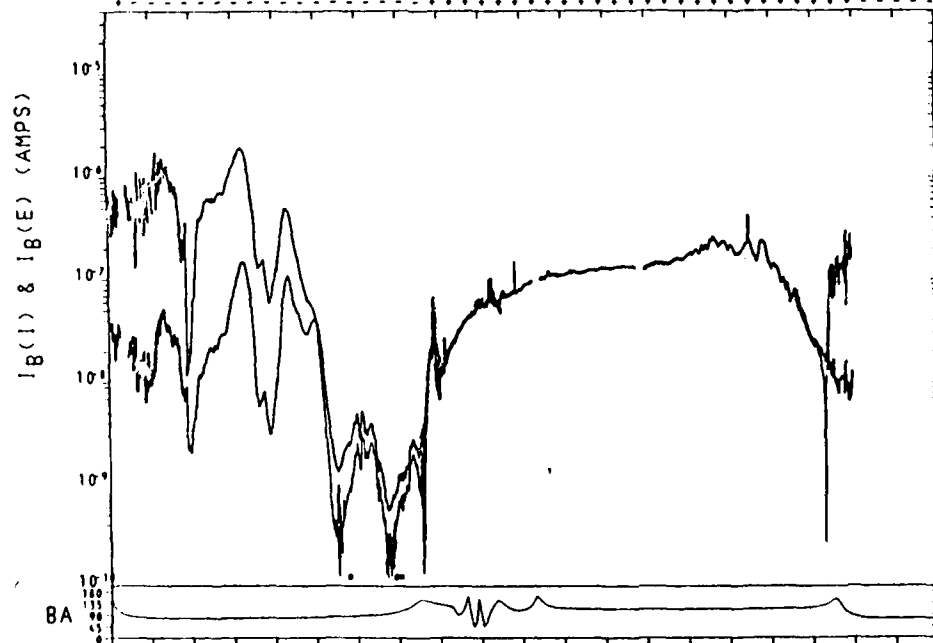
UT	0743:00	0753:00	0803:00	0813:00	0823:00	0833:00	0843:00	0853:00	0903:00	0913:00	0923:00
LT	0347:38	2252:02	2227:08	2207:49	2107:47	1120:31	1035:11	1016:13	0946:20	0129:41	2247:30
ALT	277.28	274.66	245.38	215.01	192.96	176.08	174.09	202.20	248.82	278.44	270.96
LAT	-83.61	-48.69	-9.00	31.12	71.09	65.95	25.41	-15.25	-55.33	-81.35	-43.80
LONG	301.49	225.09	216.36	209.03	191.52	42.20	28.37	21.13	11.16	244.49	201.45
MLAT	-72.35	-42.84	-5.54	32.34	66.75	59.78	23.13	-15.29	-52.21	-71.49	-42.33
L	7.18	2.02	1.04	1.41	7.06	4.48	1.11	1.29	2.97	7.76	2.02
SZA	103.25	138.59	157.09	131.04	94.15	56.56	25.46	35.89	70.85	107.76	142.52
MODE	A										



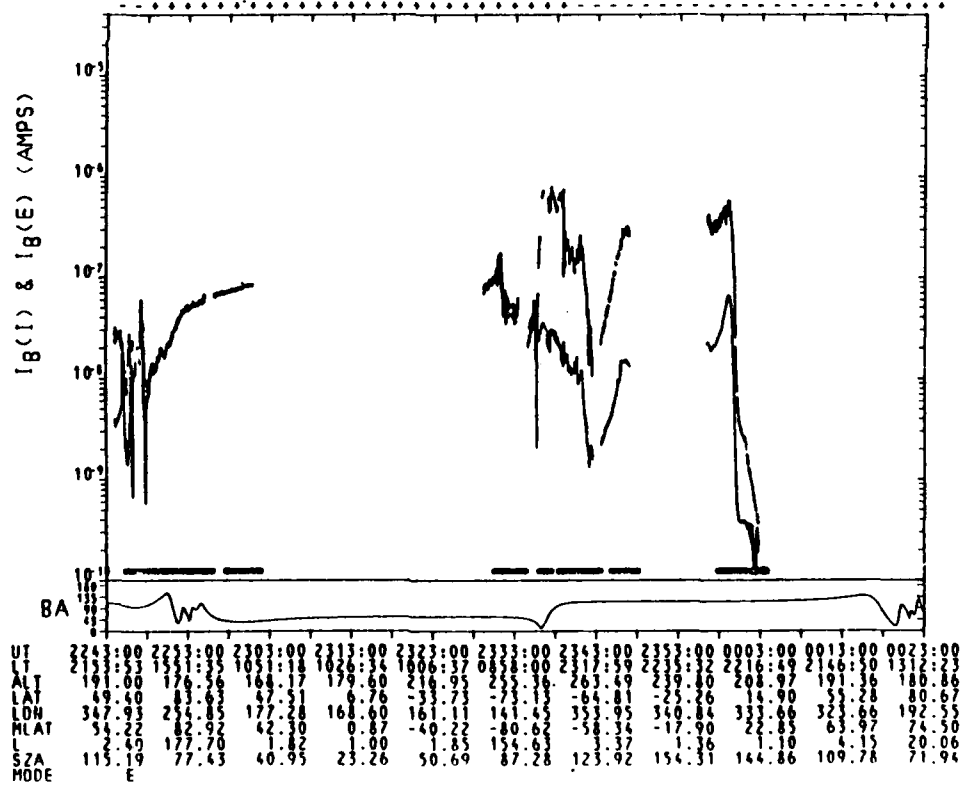
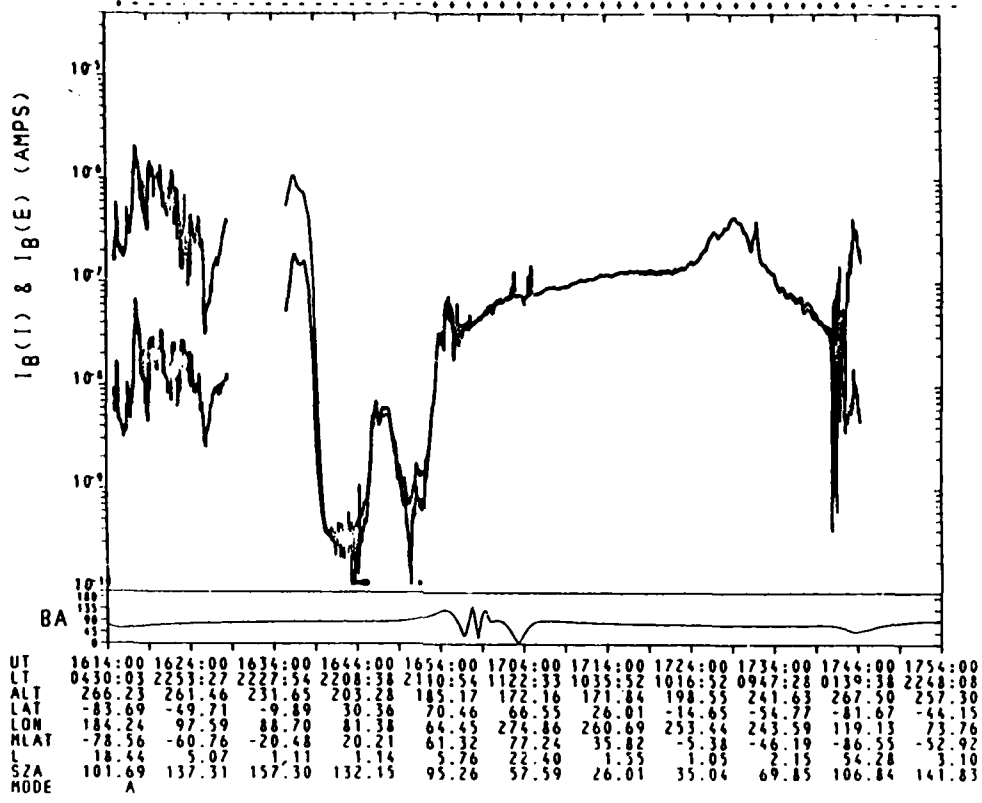
UT	2135:00	2145:00	2155:00	2205:00	2215:00	2225:00	2235:00	2245:00	2255:00	2305:00	2315:00
LT	2157:04	1757:26	1054:48	1027:55	1008:32	0913:24	2327:48	2237:19	2218:19	2151:26	1444:42
ALT	198.92	181.56	169.81	178.06	214.91	257.16	271.27	251.20	219.61	198.64	185.16
LAT	45.90	83.12	51.11	10.35	-30.17	-69.77	-68.29	-28.94	11.09	51.40	83.07
LONG	5.80	303.39	195.23	186.01	178.67	162.38	13.48	358.36	351.11	341.89	232.71
MLAT	47.41	85.03	48.95	7.55	-33.57	-73.93	-64.61	-24.37	16.26	57.25	80.51
L	1.96	209.61	2.26	1.03	1.52	22.84	4.59	1.59	1.04	2.75	70.15
SZA	118.03	80.39	43.61	22.68	47.95	84.36	121.06	152.61	147.35	113.00	75.24
MODE	F										

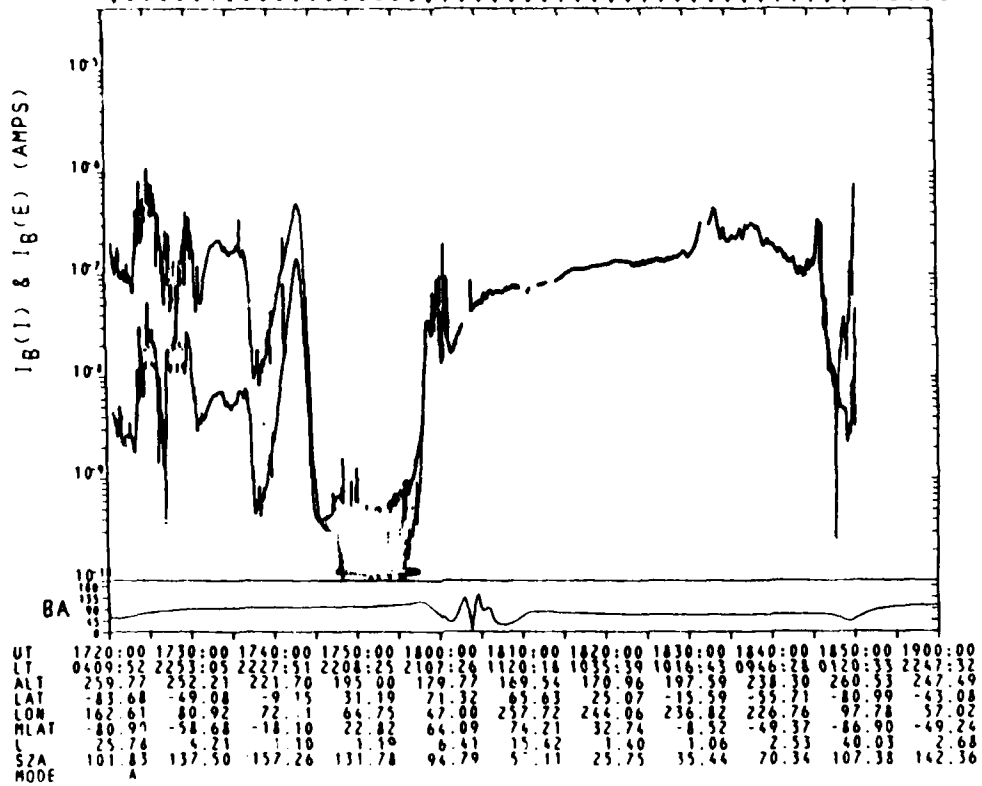
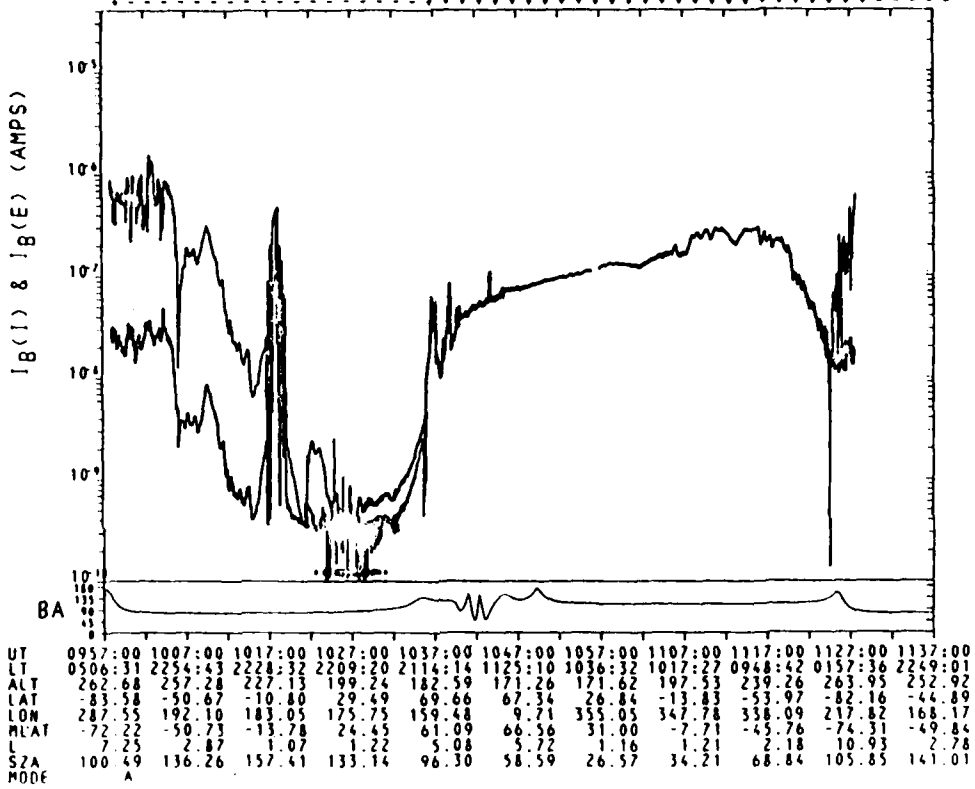


UT	0425:00	0435:00	0445:00	0455:00	0505:00	0515:00	0525:00	0535:00	0545:00	0555:00	0605:00
LT	0238:59	2250:06	2226:18	2206:29	2055:13	1114:09	1033:57	1015:08	0942:31	0044:48	2245:17
ALT	265.81	258.92	228.99	201.60	183.64	170.30	170.91	199.37	242.60	266.34	254.28
LAT	-82.98	-46.49	-6.62	33.65	73.58	63.30	22.67	-17.99	-58.06	-79.19	-40.32
LOW	333.76	274.04	265.59	258.13	237.82	90.05	77.50	70.29	59.64	282.71	250.33
MLAT	-72.92	-35.47	3.79	43.11	77.17	52.41	12.92	-26.63	-64.07	-67.86	-31.68
L	7.21	1.52	1.06	1.93	24.02	3.55	1.02	1.30	5.20	5.30	1.46
SZA	104.86	140.12	156.63	129.12	91.99	54.43	24.46	37.75	73.09	110.08	144.57
MODE	A										



UT	1020:00	1030:00	1040:00	1050:00	1100:00	1110:00	1120:00	1130:00	1140:00	1150:00	1200:00
LT	0320:44	2251:28	2226:59	2207:25	2102:41	1117:40	1034:48	1015:55	0944:52	0107:09	2246:38
ALT	269.67	263.59	233.41	204.96	186.33	172.85	173.17	201.40	245.31	270.51	259.48
LAT	-83.45	-47.82	-8.01	32.23	72.22	64.74	24.16	-16.48	-56.55	-80.41	-42.42
LOW	255.43	185.61	176.99	169.60	150.92	2.16	348.94	341.72	331.46	199.53	161.90
MLAT	-72.81	-49.29	-12.17	26.11	62.69	65.72	29.49	-9.37	-47.51	-75.16	-48.58
L	8.22	2.70	1.05	1.25	6.06	5.02	1.13	1.22	2.21	13.72	2.61
SZA	103.57	138.96	156.98	130.45	93.43	55.83	25.11	36.50	71.59	108.56	143.76
MODE	A										



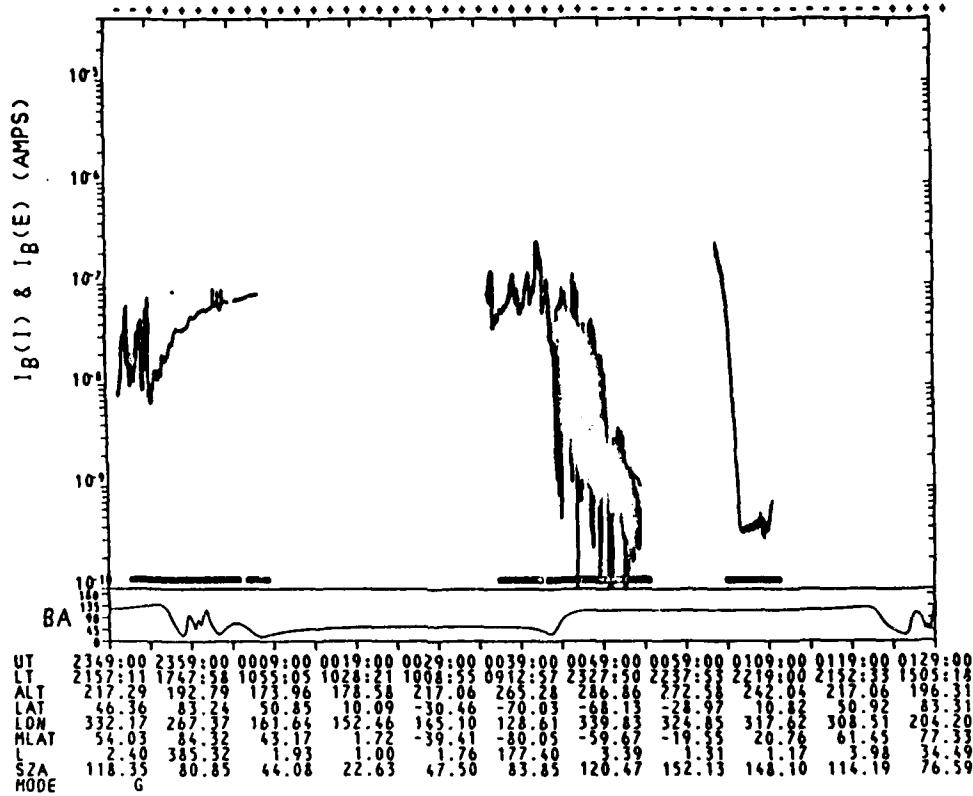


NRL 747

08/30/78

REV 2717

FORMAT C

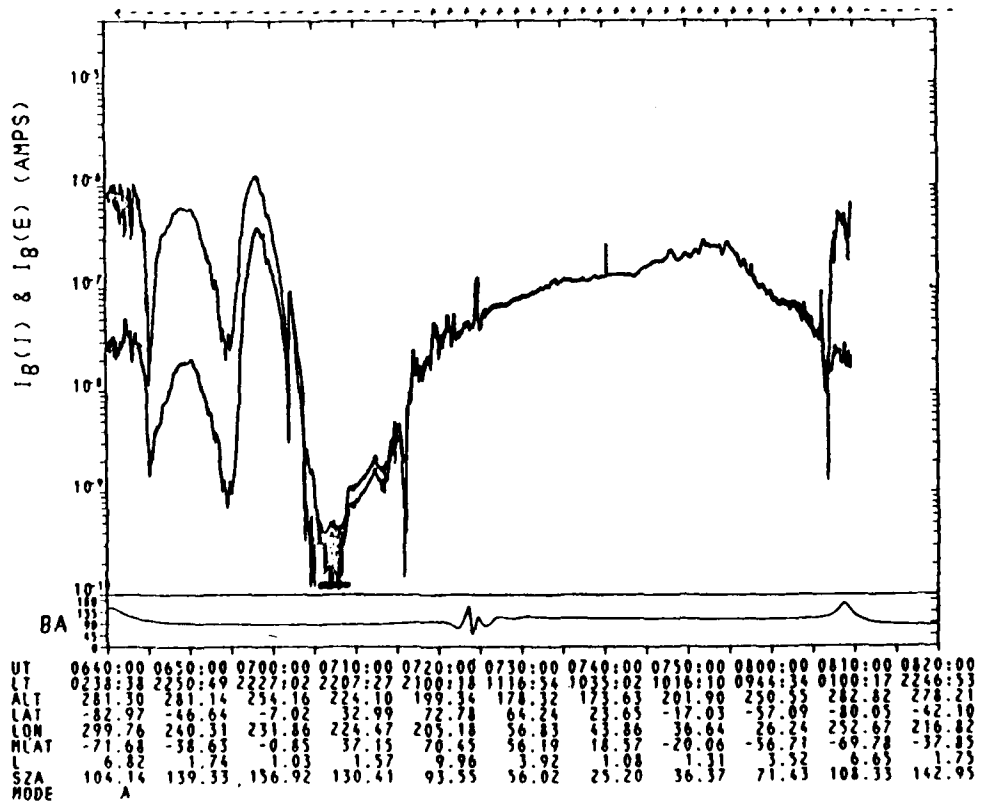


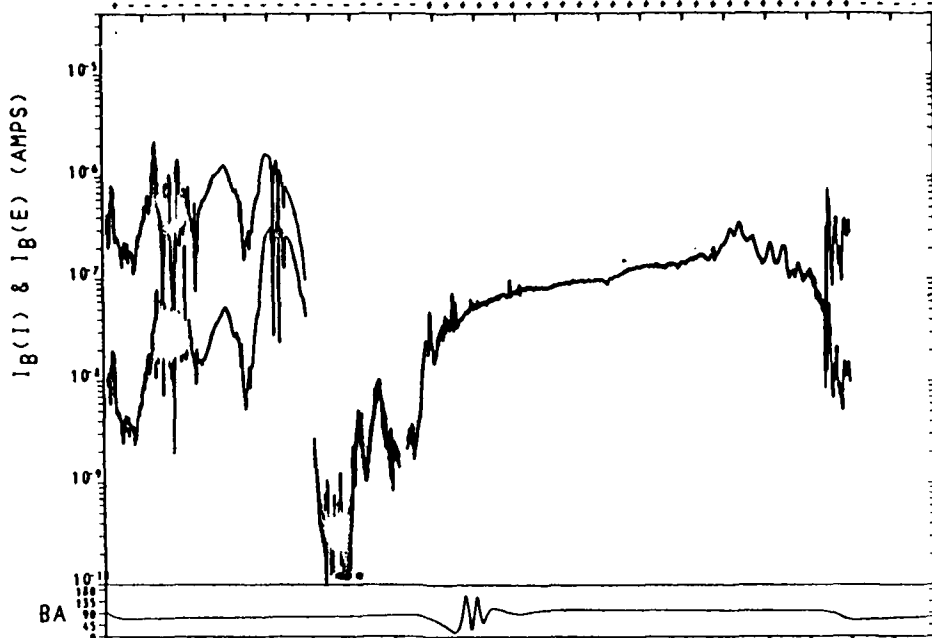
NRL 747

08/31/78

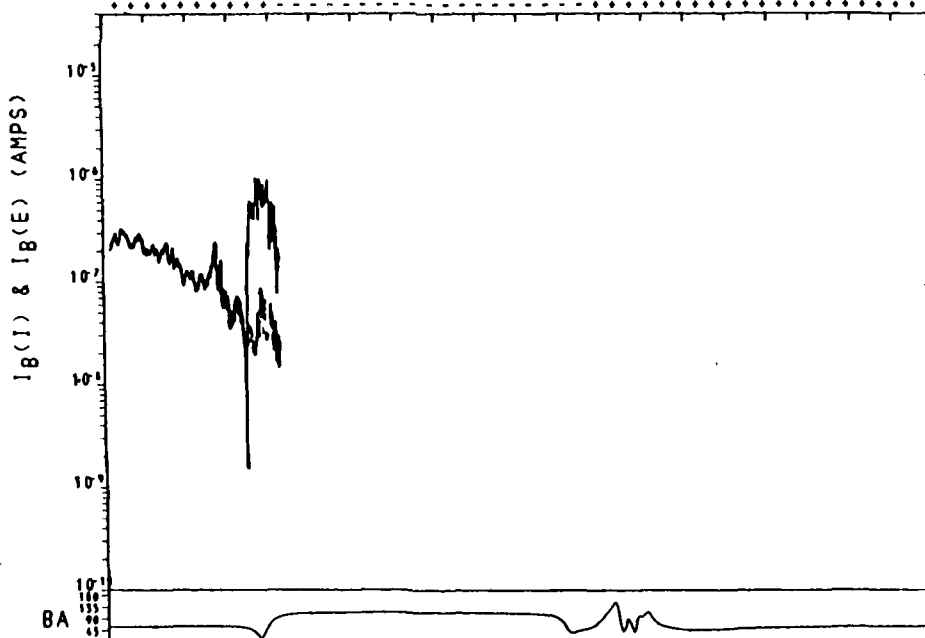
REV 2720

FORMAT A





UT	1404:00	1414:00	1424:00	1434:00	1444:00	1454:00	1504:00	1514:00	1524:00	1534:00	1544:00
LT	0459:47	2255:12	2229:13	2210:03	2114:47	1125:56	1037:16	1018:07	0948:56	0144:34	2249:01
ALT	249.50	251.90	230.91	210.88	195.95	176.82	163.57	179.89	221.43	252.20	249.53
LAT	-83.62	-50.31	-10.45	29.73	69.74	67.35	26.82	-13.99	-54.35	-81.79	-44.18
LON	224.03	130.38	121.39	114.09	97.78	308.06	293.39	286.11	276.31	152.72	106.33
MLAT	-74.84	-60.68	-21.55	18.40	58.53	77.60	38.15	-2.65	-43.22	-82.23	-55.52
L	10.82	5.42	1.10	1.13	5.20	15.19	1.74	1.09	1.80	38.73	3.63
SZA	100.25	136.21	157.55	133.41	96.68	59.00	26.73	33.92	68.73	105.97	141.24
MODE	A										



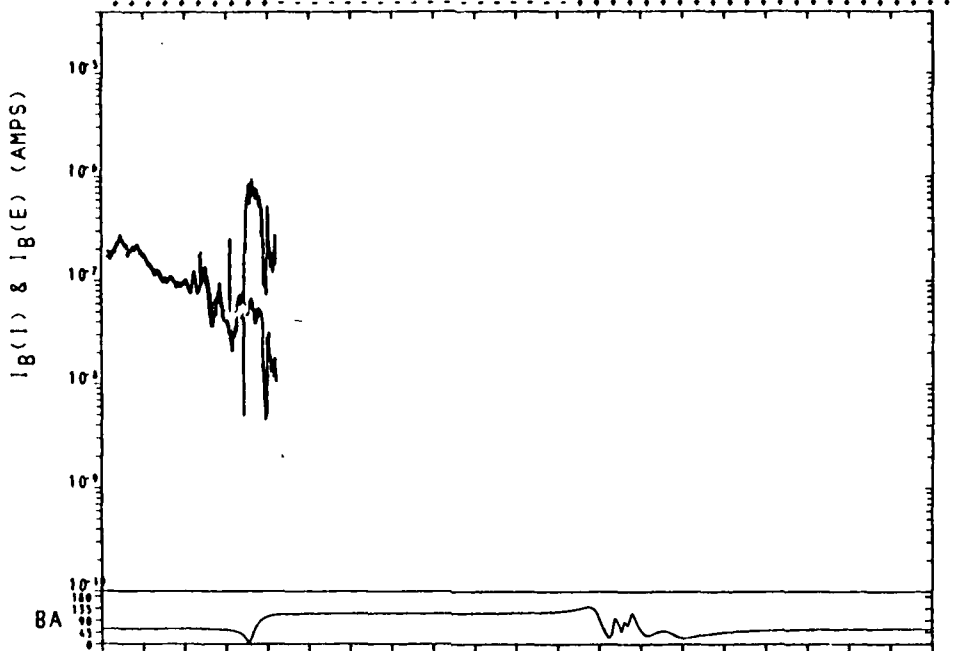
UT	2109:00	2119:00	2129:00	2139:00	2149:00	2159:00	2209:00	2219:00	2229:00	2239:00	2249:00
LT	1016:46	0946:02	0114:03	2247:41	2225:29	2204:59	2034:10	1108:36	1033:04	1014:17	0937:51
ALT	199.30	246.43	277.47	271.86	243.05	214.51	191.99	173.82	173.33	204.43	251.50
LAT	-16.10	-56.20	-80.70	-42.90	-3.15	36.97	76.52	60.19	19.51	-21.14	-61.11
LON	197.00	186.82	56.32	17.23	9.18	1.55	336.35	192.46	181.07	173.87	162.26
MLAT	-16.25	-56.98	-80.63	-41.45	-1.09	39.63	79.97	57.02	15.61	-25.64	-66.32
L	1.10	4.06	14.97	2.30	1.10	1.44	23.42	3.35	1.09	1.26	9.05
SZA	35.50	70.40	107.34	142.16	155.90	127.12	89.97	52.56	23.73	39.41	74.97
MODE	A										

NRL 747

08/31/78

REV 2731

FORMAT A



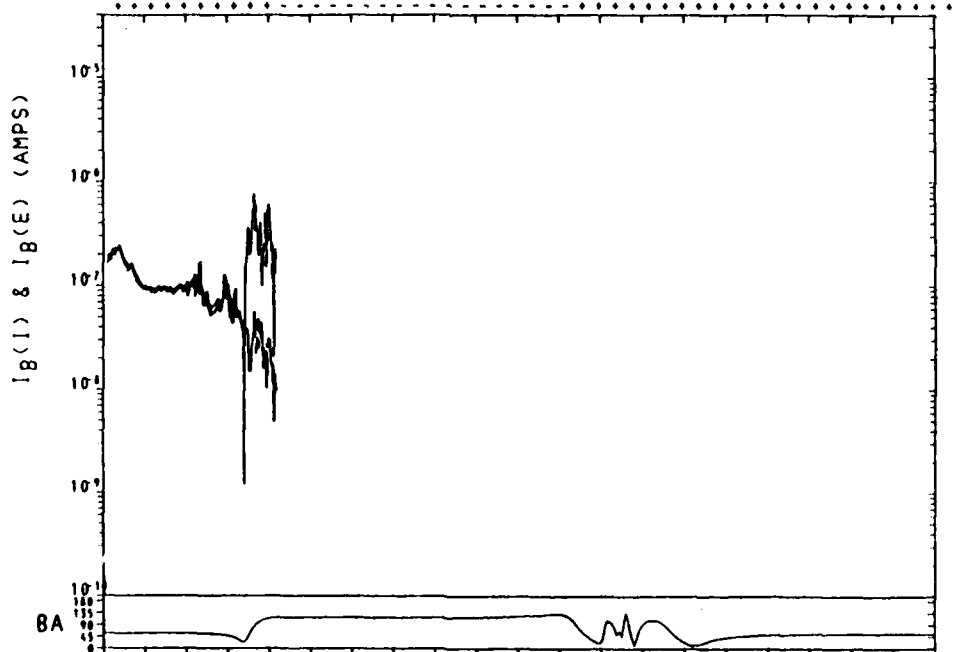
UT	2238:00	2248:00	2258:00	2308:00	2318:00	2328:00	2338:00	2348:00	2358:00	0008:00	0018:00
LT	1016:18	0944:36	0058:38	2246:54	2225:03	2204:17	2025:07	1106:48	1032:34	1013:47	0935:57
ALT	200.11	247.11	277.14	270.51	241.42	213.19	191.02	173.37	173.55	207.19	256.92
LAT	-17.10	-57.17	-79.95	-41.91	-2.15	37.99	77.63	59.16	18.46	-22.16	-62.07
LOM	174.63	164.20	30.21	354.77	346.81	339.12	311.83	169.75	158.69	151.49	139.54
MLAT	-21.53	-62.30	-76.37	-36.43	3.97	44.73	85.22	52.36	10.88	-30.34	-71.08
L	1.17	6.21	9.58	1.96	1.09	1.65	63.14	2.78	1.03	1.37	17.38
SZA	36.23	71.29	108.22	142.91	155.54	126.24	89.03	51.66	23.44	40.21	75.86
MODE	A										

NRL 747

09/01/78

REV 2732

FORMAT A



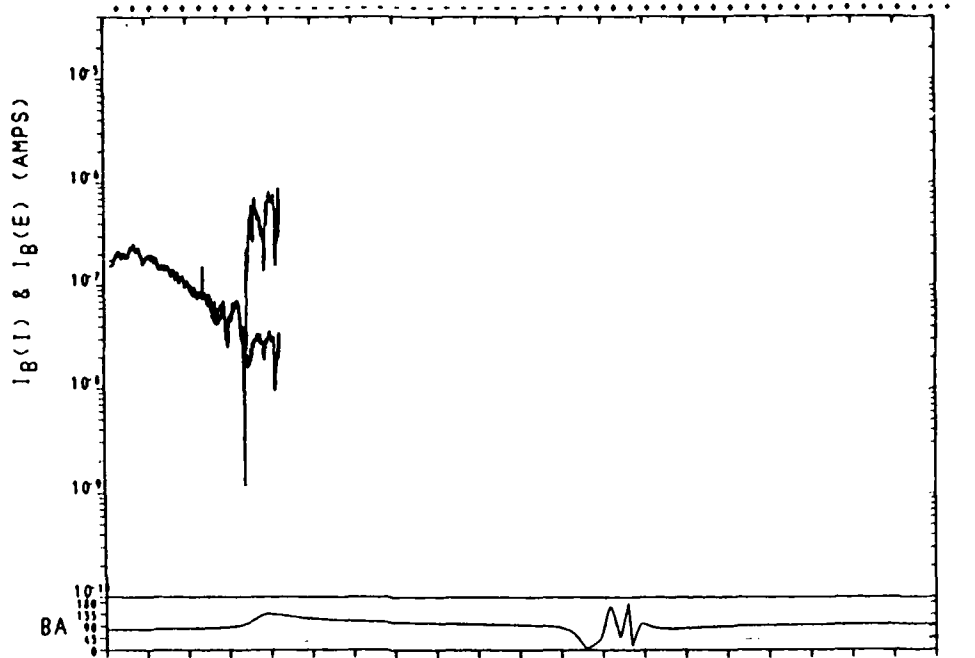
UT	0007:00	0017:00	0027:00	0037:00	0047:00	0057:00	0107:00	0117:00	0127:00	0137:00	0147:00
LT	1015:48	0943:02	0044:51	2246:06	2224:36	2203:32	2014:15	1105:02	1032:04	1013:14	0933:59
ALT	200.98	247.84	276.79	269.14	239.79	211.88	190.07	172.83	173.84	206.37	252.85
LAT	-18.14	-58.19	-79.13	-40.49	-1.10	39.08	78.36	58.09	17.38	-23.25	-63.15
LOM	152.25	141.55	4.51	332.32	324.45	316.68	286.86	147.05	136.31	129.10	116.70
MLAT	-26.25	-67.07	-72.42	-32.19	8.18	48.90	89.43	48.98	1.19	-33.88	-74.36
L	1.26	70.21	6.89	1.62	1.09	2.12	548.62	2.54	1.00	1.43	26.03
SZA	37.02	72.21	109.14	143.69	155.13	125.32	88.05	50.73	23.17	41.08	76.86
MODE	A										



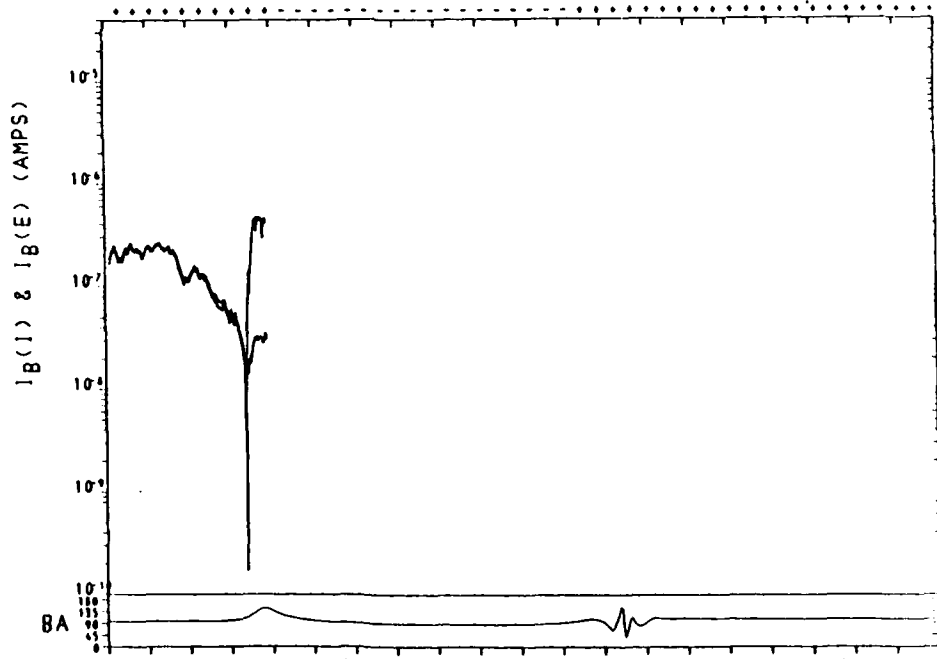
UT	0136:00	0146:00	0156:00	0206:00	0216:00	0226:00	0236:00	0246:00	0256:00	0306:00	0316:00
LT	1015:18	0941:18	0032:35	2245:18	2224:08	2202:43	2001:05	1103:19	1031:32	1012:40	0931:12
ALT	201.92	248.60	276.44	267.74	238.15	210.58	189.12	172.31	174.17	207.41	253.54
LAT	-19.21	-59.24	-78.25	-39.82	-0.01	40.15	79.29	56.98	16.26	-24.36	-64.23
LON	129.87	118.87	339.19	309.86	302.08	294.22	261.31	124.37	113.92	106.70	93.84
MLAT	-29.79	-70.36	-69.06	-29.09	11.06	51.46	84.64	45.92	4.93	-35.71	-74.89
L	1.29	14.37	5.43	-1.40	1.16	2.71	266.51	2.46	1.00	1.51	17.56
SZA	37.84	73.17	110.09	144.48	154.68	124.36	87.03	49.77	22.95	41.97	77.86



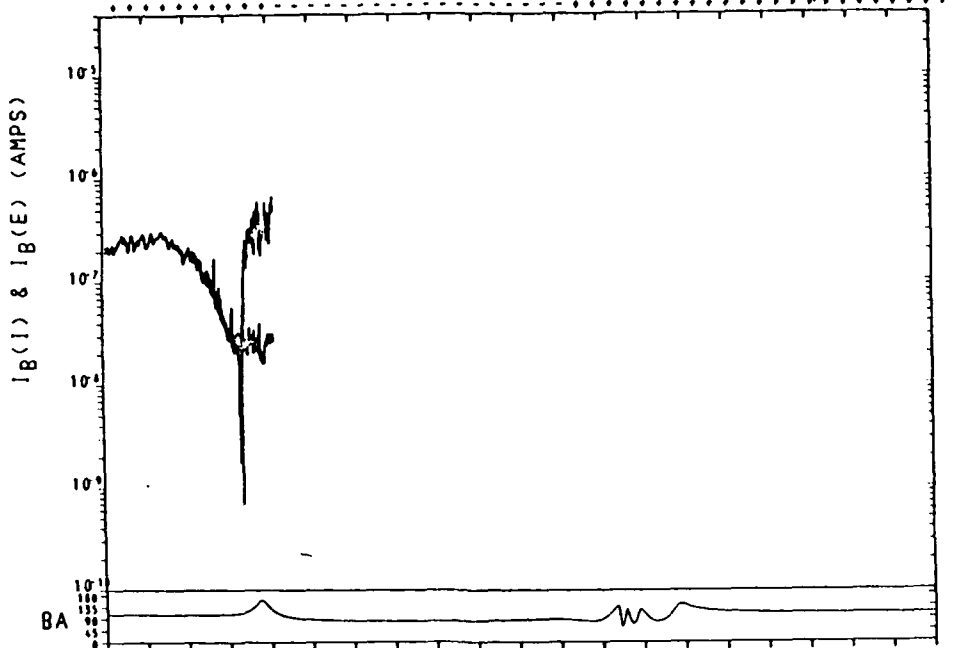
UT	0307:00	0317:00	0327:00	0337:00	0347:00	0357:00	0407:00	0417:00	0427:00	0437:00	0447:00
LT	1010:26	0920:18	2334:49	2239:15	2220:05	2154:55	1558:31	1052:05	1027:15	1007:20	0859:34
ALT	211.94	257.35	276.91	261.06	230.42	204.73	184.25	170.15	178.94	217.86	261.45
LAT	-28.40	-68.10	-69.98	-30.79	9.12	49.54	83.65	47.72	6.94	-33.57	-72.97
LON	105.90	90.86	301.99	285.60	278.31	269.43	177.91	98.81	90.10	82.62	63.17
MLAT	-39.73	-78.33	-58.40	-19.45	20.26	59.81	75.11	36.52	-3.79	-43.52	-77.78
L	1.72	23.93	3.10	1.20	1.22	4.38	24.71	1.77	1.00	2.07	12.96
SZA	45.36	81.56	118.33	150.78	149.55	116.05	78.40	41.84	23.02	49.79	86.30
MODE		A									



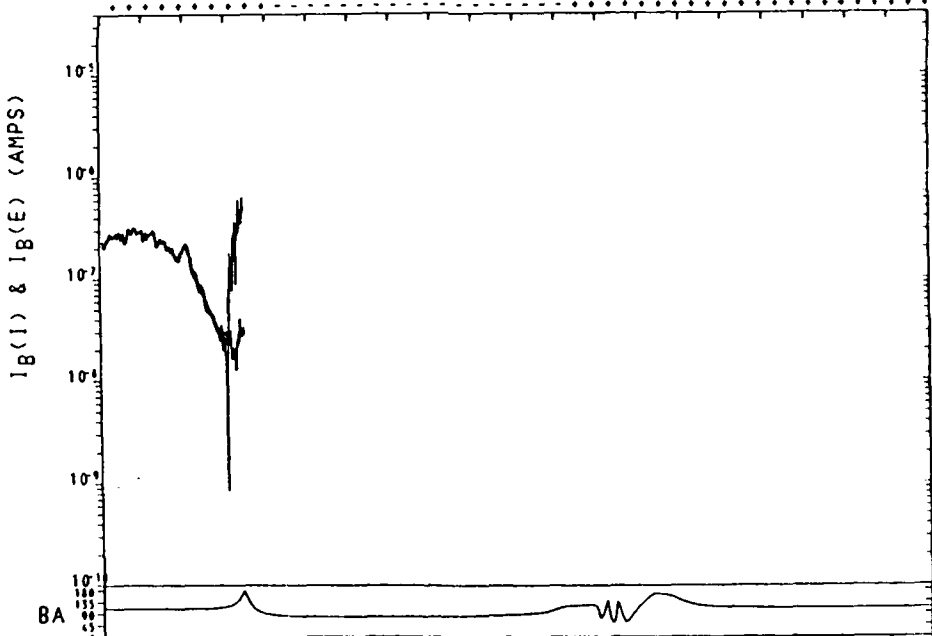
UT	0433:00	0443:00	0453:00	0503:00	0513:00	0523:00	0533:00	0543:00	0553:00	0603:00	0613:00
LT	1016:12	0944:11	0953:39	2246:39	2224:56	2204:02	2020:41	1106:02	1032:24	1013:36	0934:57
ALT	199.64	245.97	274.82	267.19	237.89	210.23	188.97	172.09	173.11	295.00	251.00
LAT	-17.43	-57.51	-79.68	-41.54	-1.73	38.44	77.84	58.68	17.97	-22.66	-62.59
LON	85.84	75.33	300.19	265.94	258.01	250.29	221.95	80.79	69.88	62.68	50.51
MLAT	-27.77	-66.15	-68.42	-30.99	7.96	46.82	77.00	48.38	9.09	-30.16	-66.53
I	1.28	6.46	5.34	1.41	1.06	2.18	25.83	2.83	1.00	1.45	5.20
SZA	36.41	71.50	108.45	143.13	155.42	125.93	88.68	51.32	23.34	40.54	76.26
MODE	A										



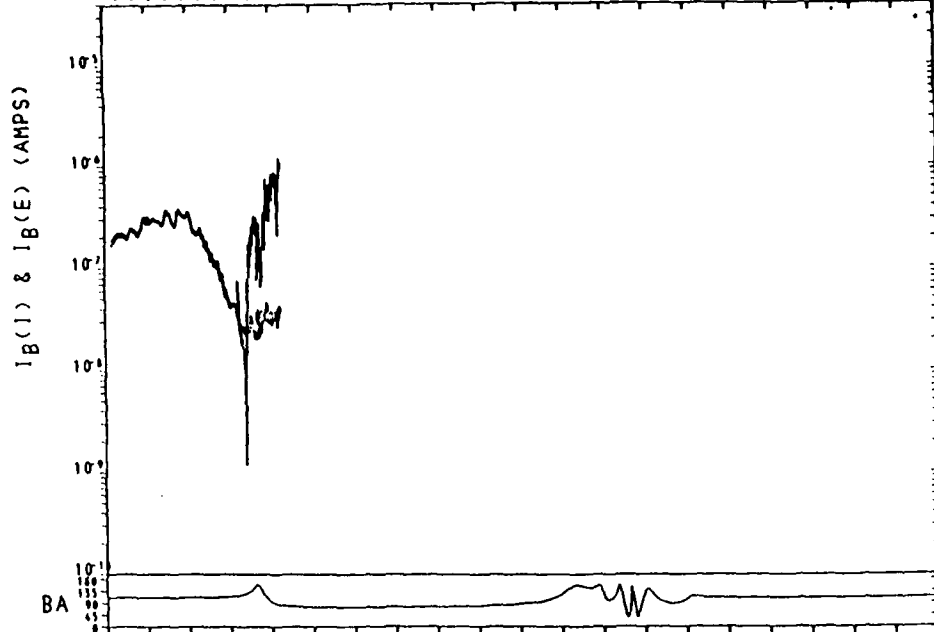
UT	0602:00	0612:00	0622:00	0632:00	0642:00	0652:00	0702:00	0712:00	0722:00	0732:00	0742:00
LT	1015:38	0942:20	0938:48	2245:45	2224:25	2203:09	2007:10	1104:05	1031:49	1012:58	0933:13
ALT	200.64	246.80	274.43	265.67	236.10	208.82	187.93	171.63	173.42	206.09	251.72
LAT	-18.62	-58.67	-78.72	-40.36	-0.53	39.66	78.89	57.45	16.73	-23.90	-63.79
LON	63.44	52.61	274.23	243.46	235.63	227.82	196.32	58.05	47.48	40.27	27.60
MLAT	-26.29	-63.33	-67.56	-32.03	6.17	44.26	73.74	49.43	11.15	-27.43	-63.13
I	1.32	4.87	5.31	1.48	1.04	1.93	17.00	2.75	1.01	1.51	5.29
SZA	37.32	72.57	109.51	144.02	154.93	124.87	87.55	50.25	23.05	41.53	77.57
MODE	A										



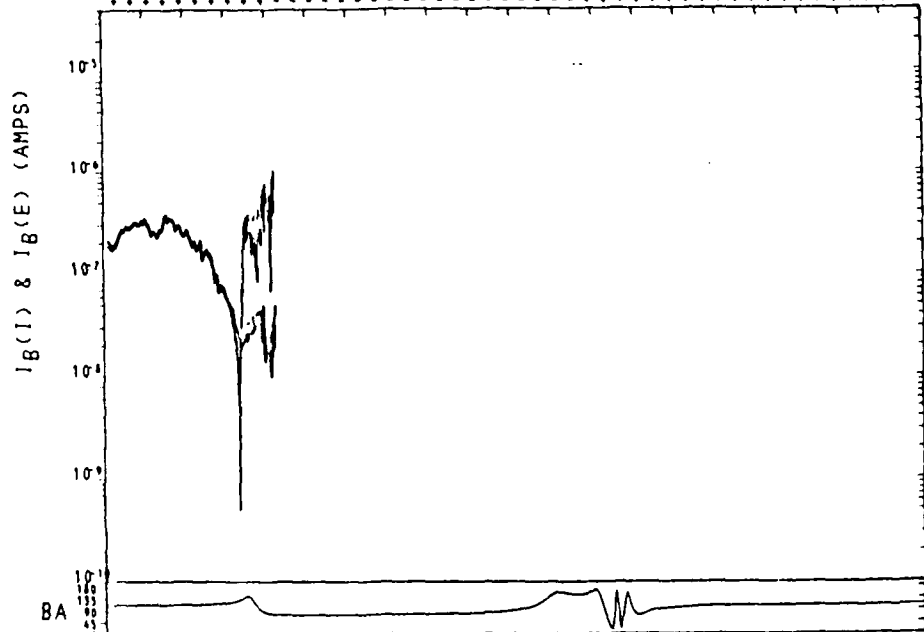
UT	0731:00	0741:00	0751:00	0801:00	0811:00	0821:00	0831:00	0841:00	0851:00	0901:00	0911:00
LT	1016:13	0944:12	0954:08	2246:44	2225:00	2204:08	2021:53	1106:18	1032:30	1013:43	0935:22
ALT	205.41	249.26	278.24	270.37	240.44	212.11	190.54	173.85	175.16	207.65	254.12
LAT	-17.46	-57.51	-79.70	-61.60	-1.82	38.33	77.74	58.81	18.12	-22.49	-62.40
LOW	41.33	30.82	255.81	221.45	213.52	205.81	177.74	36.35	25.39	13.20	6.11
MLAT	-21.37	-57.99	-69.27	-36.55	0.97	38.71	70.50	53.99	16.58	-21.80	-57.93
L	1.31	3.71	6.34	1.68	1.02	1.64	11.81	3.05	1.02	1.48	3.47
SZA	36.40	71.46	108.38	143.04	155.47	126.07	88.84	51.43	23.39	40.37	76.04
MODE	A										



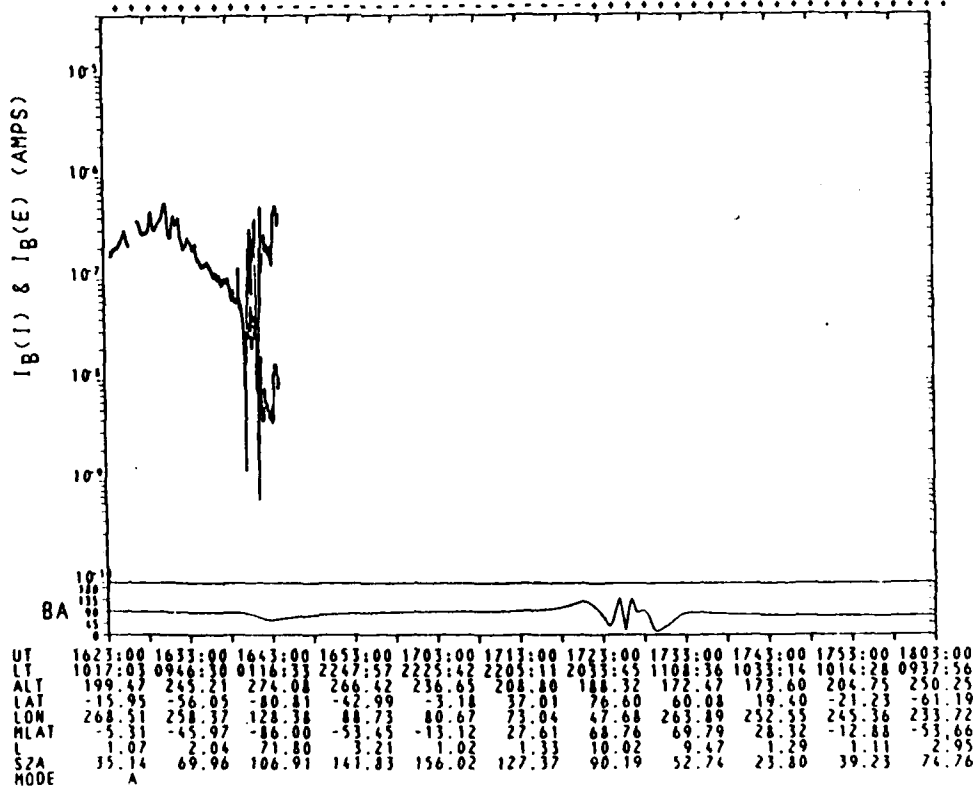
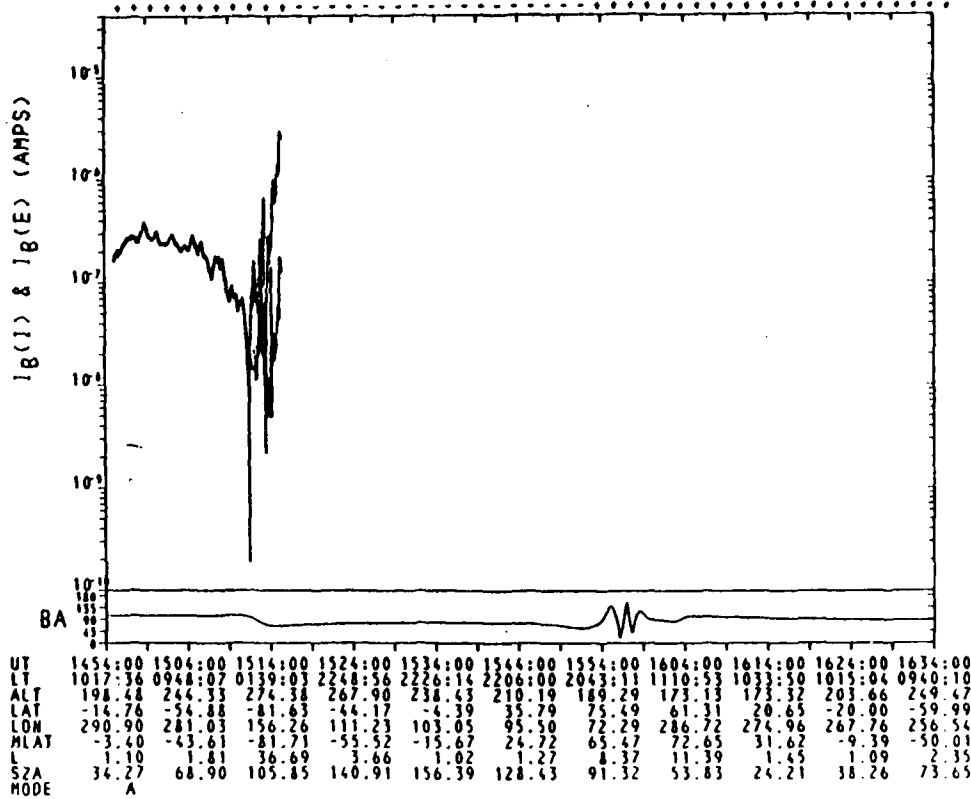
UT	0901:00	0911:00	0921:00	0931:00	0941:00	0951:00	1001:00	1011:00	1021:00	1031:00	1041:00
LT	1013:43	0935:22	0005:04	2243:06	2222:48	2200:13	1906:38	1058:55	1030:05	1010:59	0922:58
ALT	207.62	254.07	278.56	266.44	235.65	208.45	187.63	172.35	177.36	213.16	238.56
LAT	-22.50	-62.40	-75.45	-36.66	3.18	43.37	81.71	53.74	13.00	-27.56	-67.28
LOW	18.20	6.11	221.04	198.04	190.47	182.32	136.43	11.99	2.28	355.01	340.50
MLAT	-21.80	-57.98	-68.54	-36.08	1.38	39.15	70.89	53.66	16.08	-22.43	-58.93
L	1.48	3.47	7.26	1.66	1.01	1.66	14.83	2.57	1.02	1.52	3.18
SZA	40.37	76.04	112.90	146.74	153.16	121.57	84.10	47.04	22.57	44.55	80.66
MODE	A										

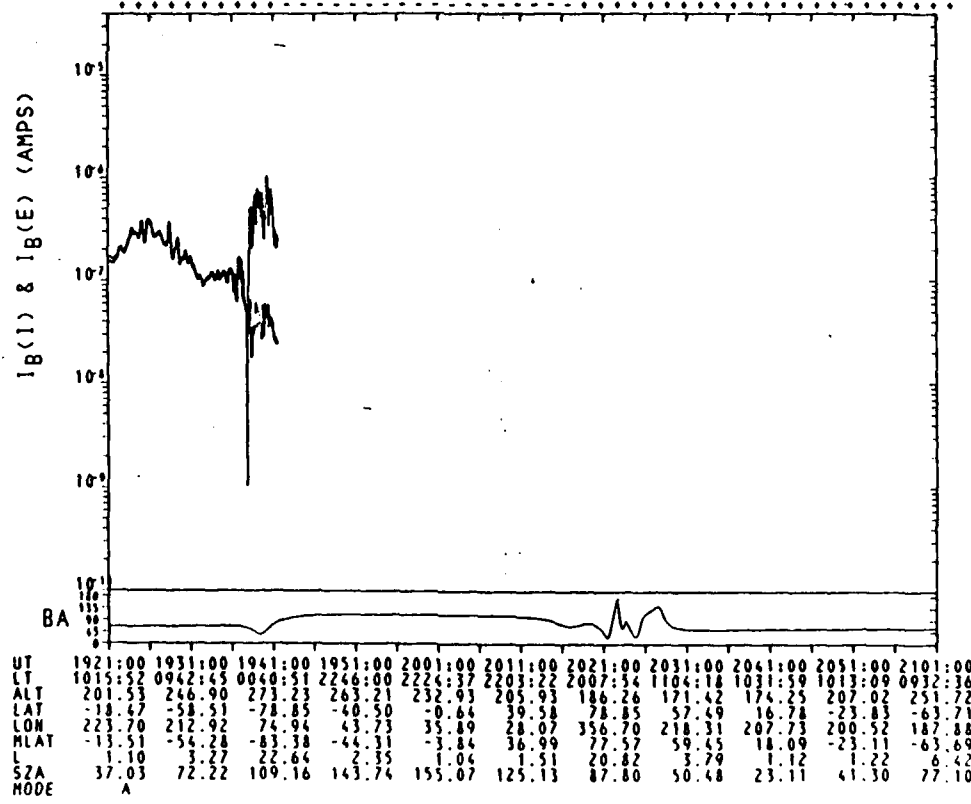
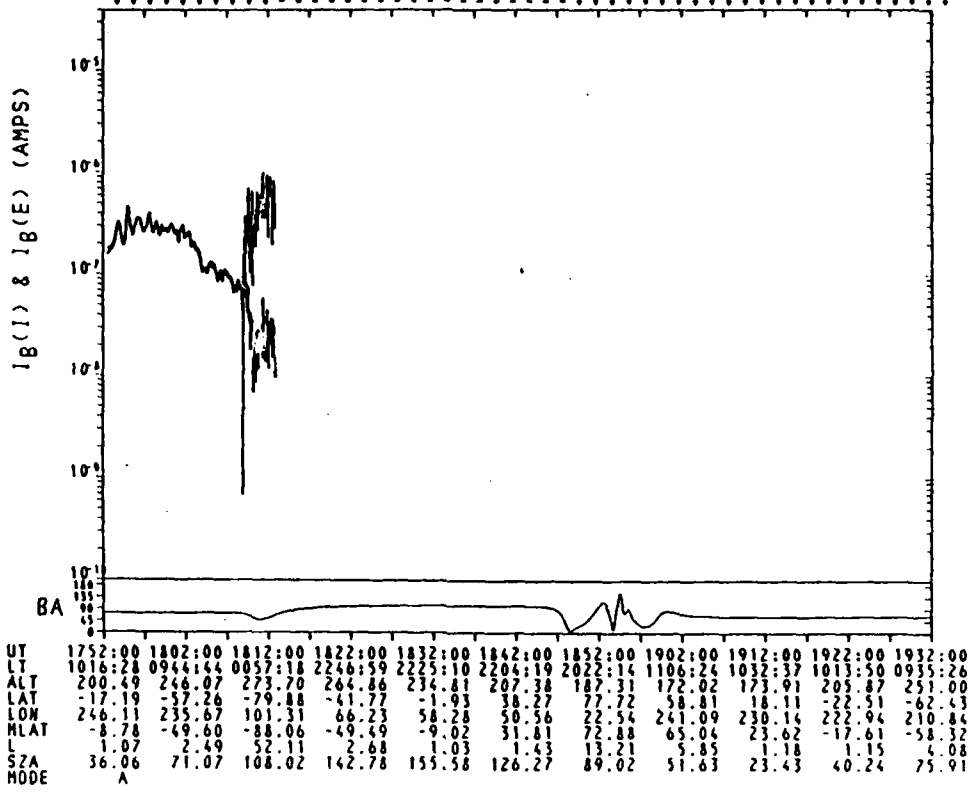


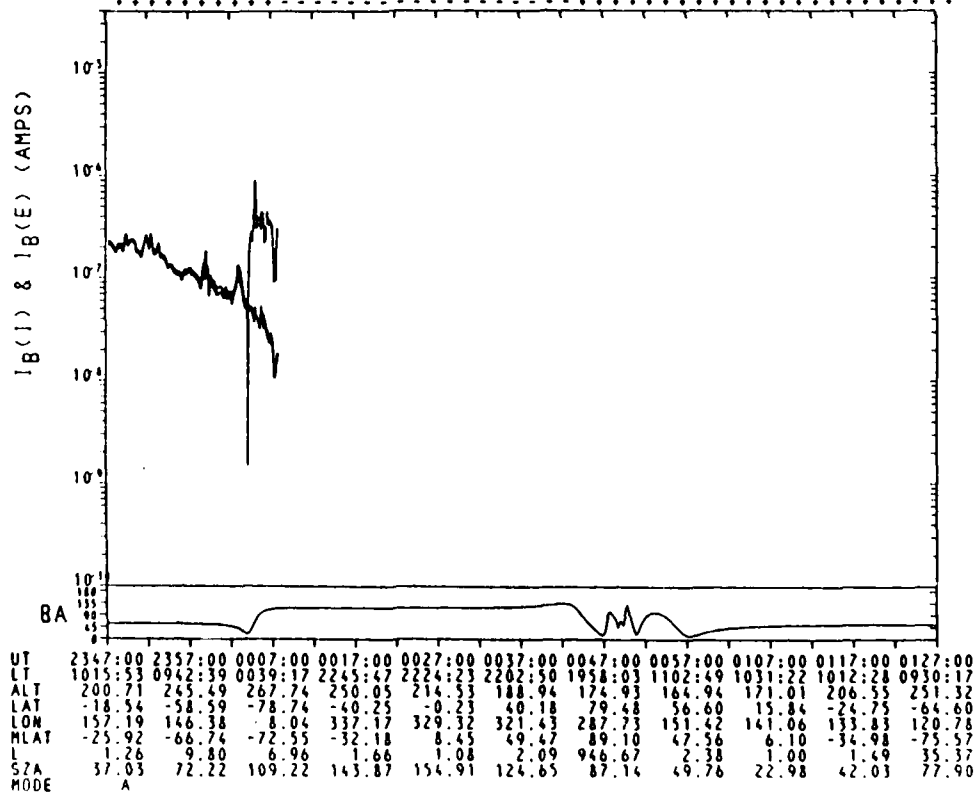
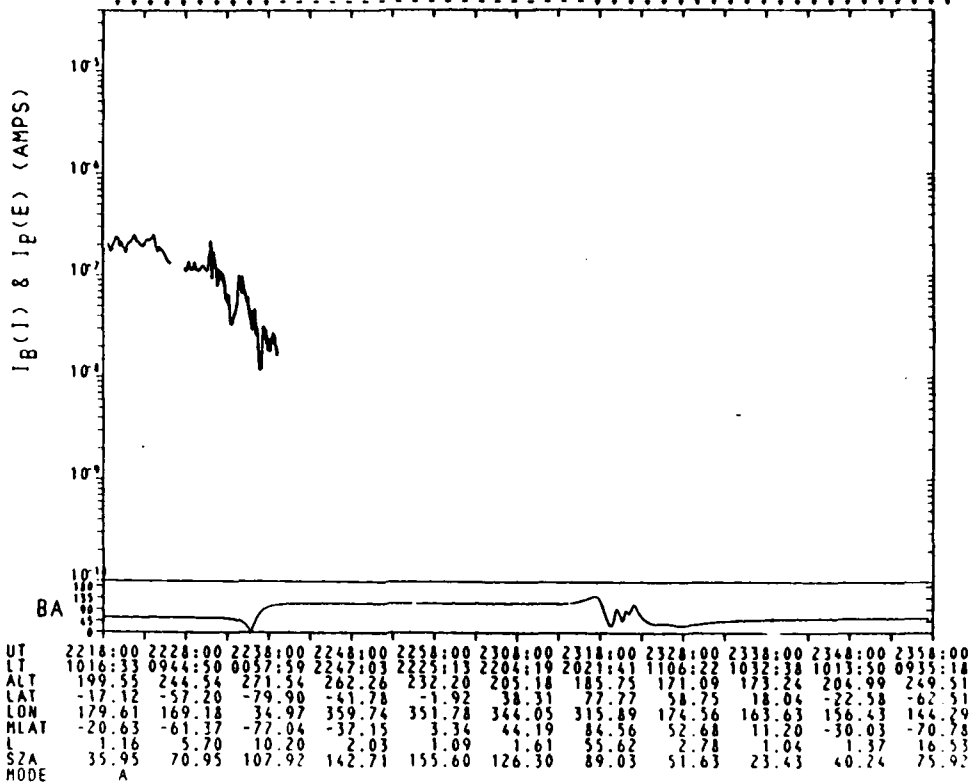
UT	1026:00	1038:00	1048:00	1058:00	1108:00	1118:00	1128:00	1138:00	1148:00	1158:00	1208:00
LT	1017:13	0947:07	0126:00	2248:22	2225:54	2205:32	2038:46	1109:46	1033:30	1014:44	0939:05
ALT	199.82	246.23	276.40	269.87	240.33	211.85	190.40	173.65	174.01	204.97	251.29
LAT	-15.45	-55.55	-81.18	-43.54	-3.77	36.39	76.02	60.73	20.07	-20.57	-60.54
LOW	357.32	347.29	219.52	177.60	169.49	161.89	137.70	352.95	361.39	336.19	322.78
MLAT	-10.94	-48.52	-73.42	-46.74	-9.34	29.02	65.43	63.91	26.76	-12.34	-50.60
L	1.27	2.65	10.21	2.41	1.03	1.32	8.22	4.16	1.11	1.24	2.33
SZA	36.84	69.59	106.52	141.47	156.18	127.83	90.70	53.24	23.99	38.78	74.24
MODE	A										

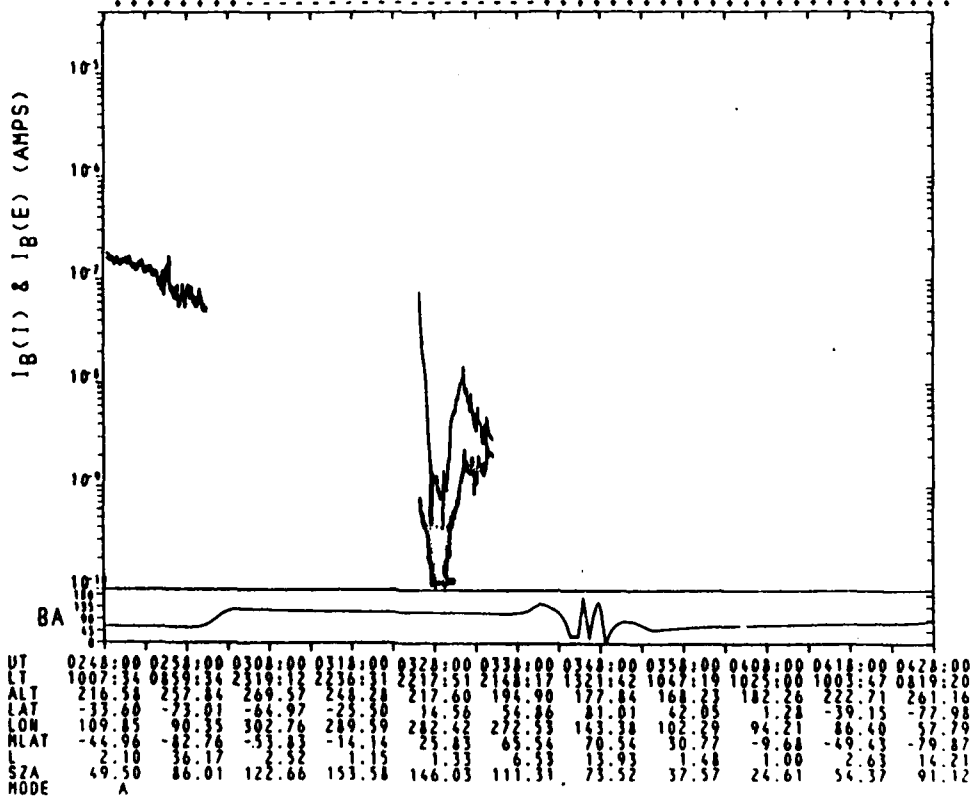
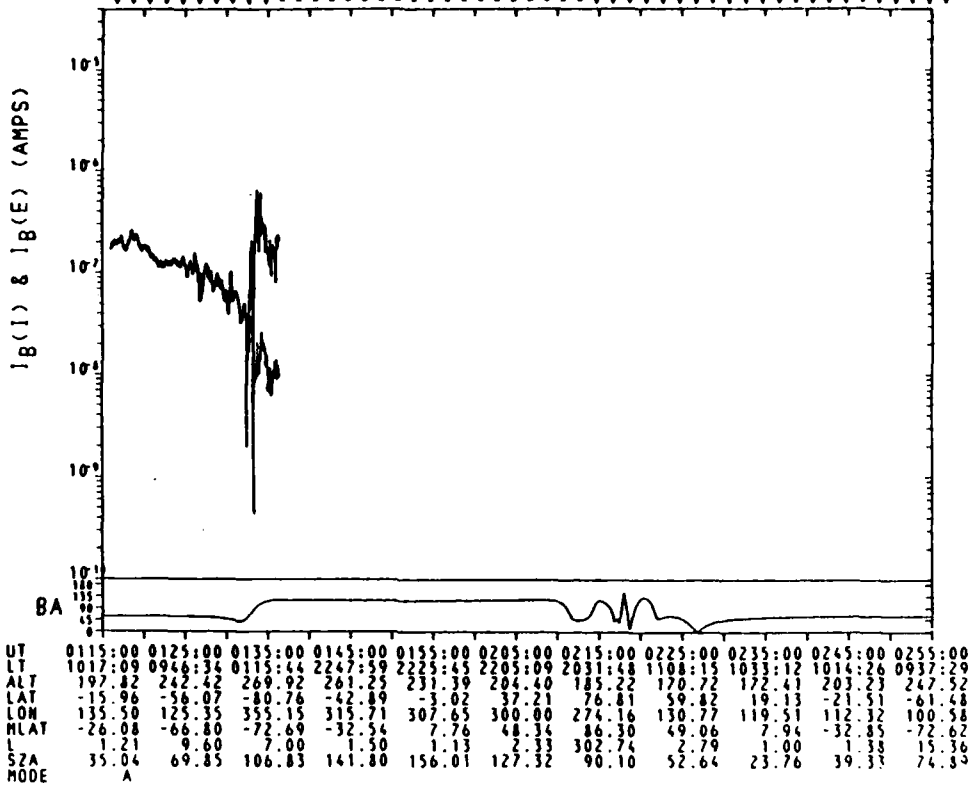


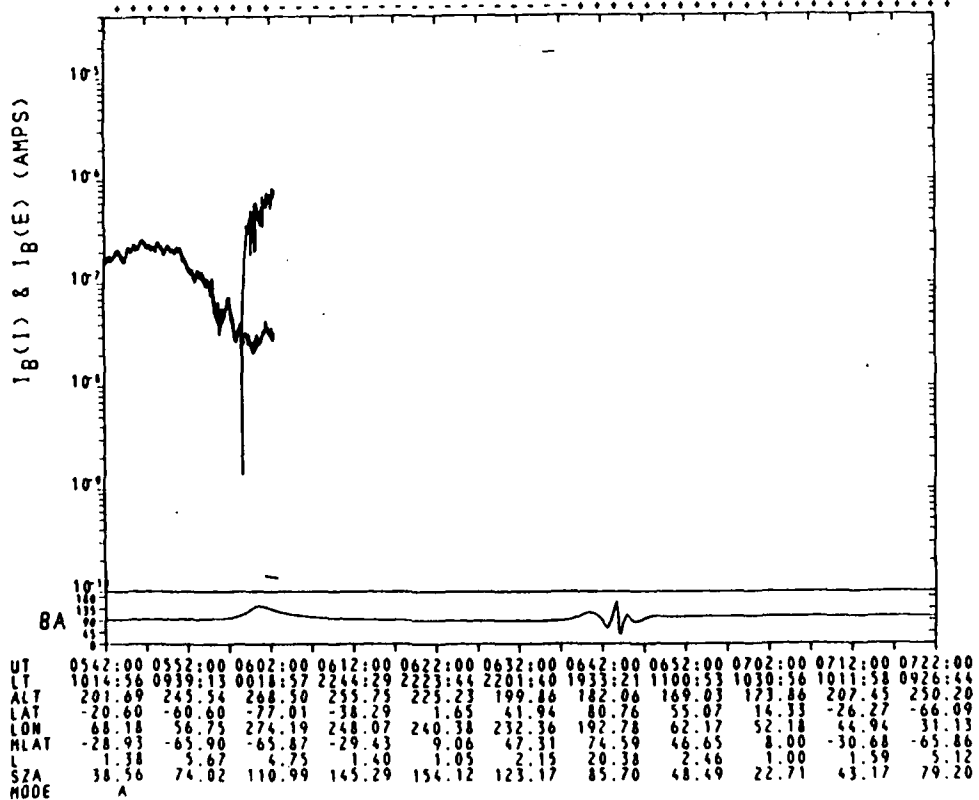
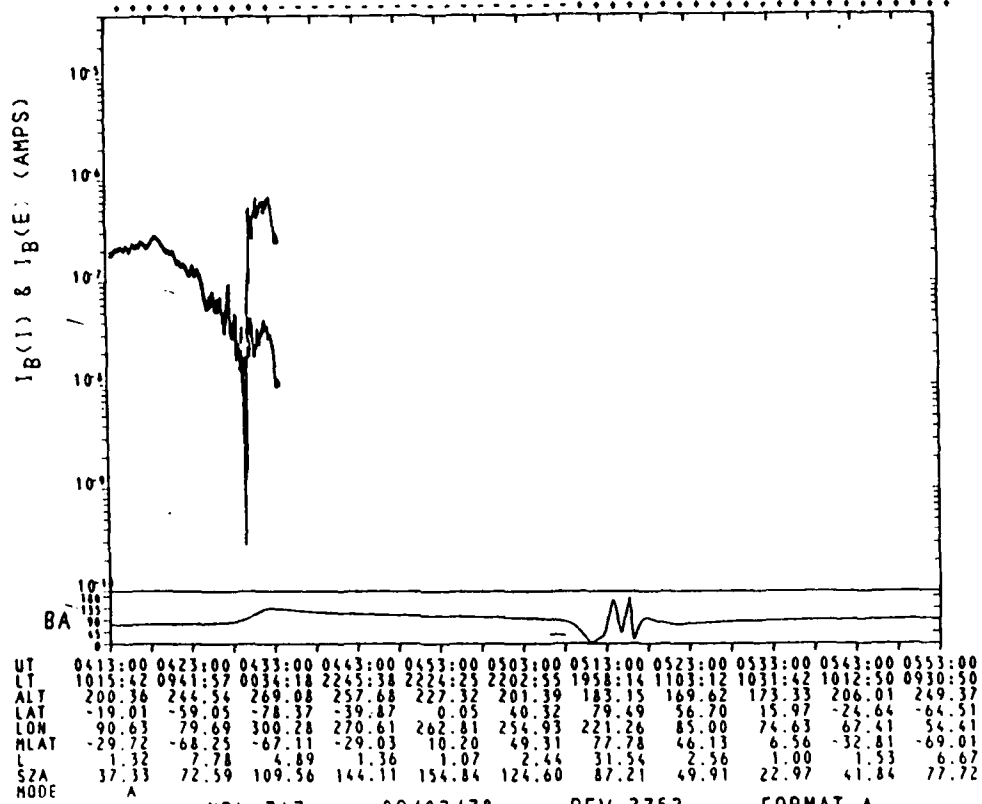
UT	1157:00	1207:00	1217:00	1227:00	1237:00	1247:00	1257:00	1307:00	1317:00	1327:00	1337:00
LT	1016:43	0945:37	0107:33	2247:29	2225:26	2204:47	2029:38	1107:45	1032:57	1014:11	0937:01
ALT	200.70	246.99	276.07	268.46	238.65	210.53	189.47	173.24	174.28	205.98	252.00
LAT	-16.53	-56.60	-80.40	-42.47	-2.68	37.49	77.01	59.62	18.94	-21.69	-61.62
LOW	334.94	324.66	192.64	155.13	147.12	139.45	113.16	330.19	318.99	311.80	300.01
MLAT	-8.43	-46.89	-76.05	-49.76	-11.62	27.48	65.67	67.10	28.70	-11.13	-50.41
L	1.19	2.11	15.80	2.76	1.03	1.32	8.96	5.01	1.26	1.16	2.22
SZA	35.63	70.55	107.48	142.30	155.82	126.88	89.68	52.27	23.64	39.65	75.24
MODE	A										

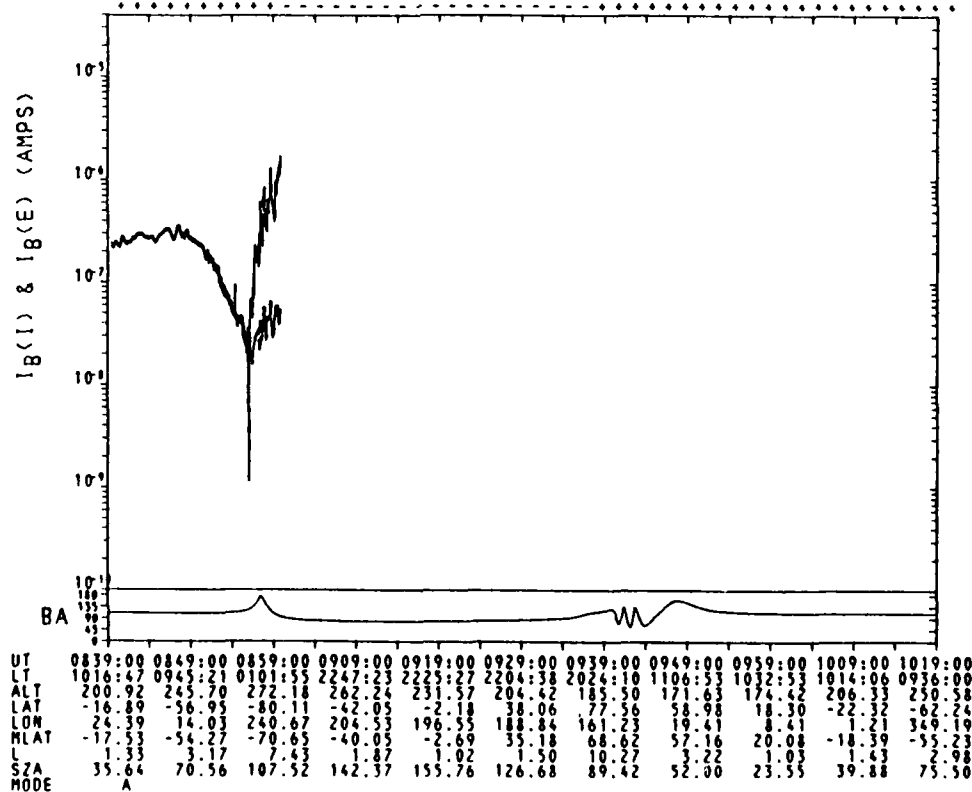
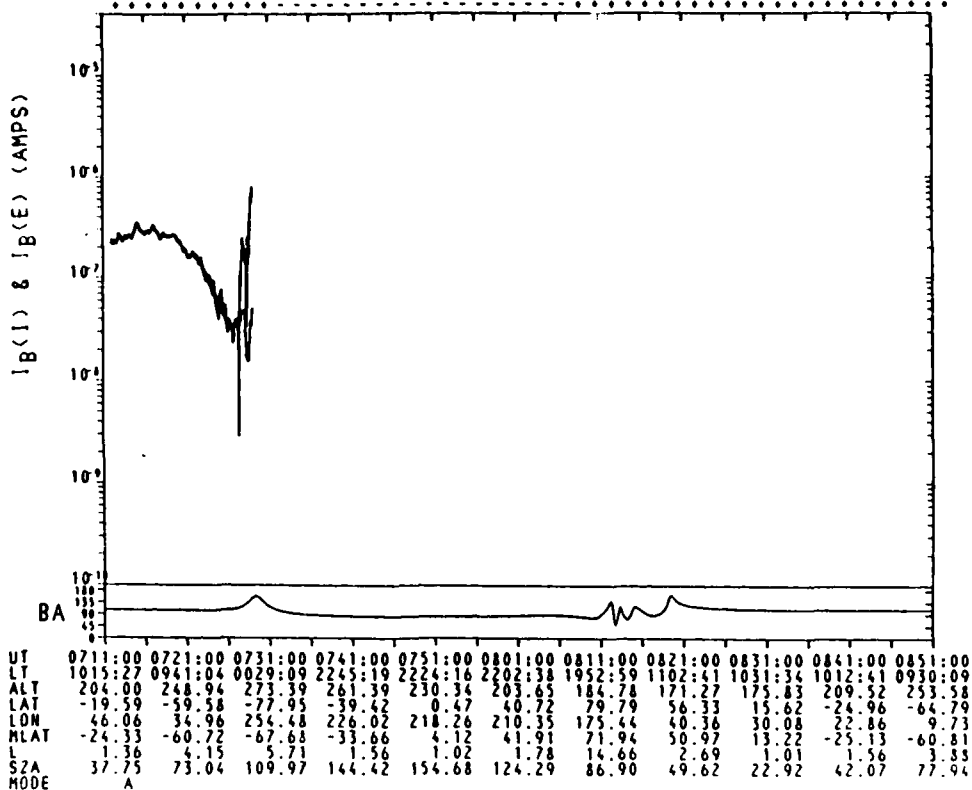


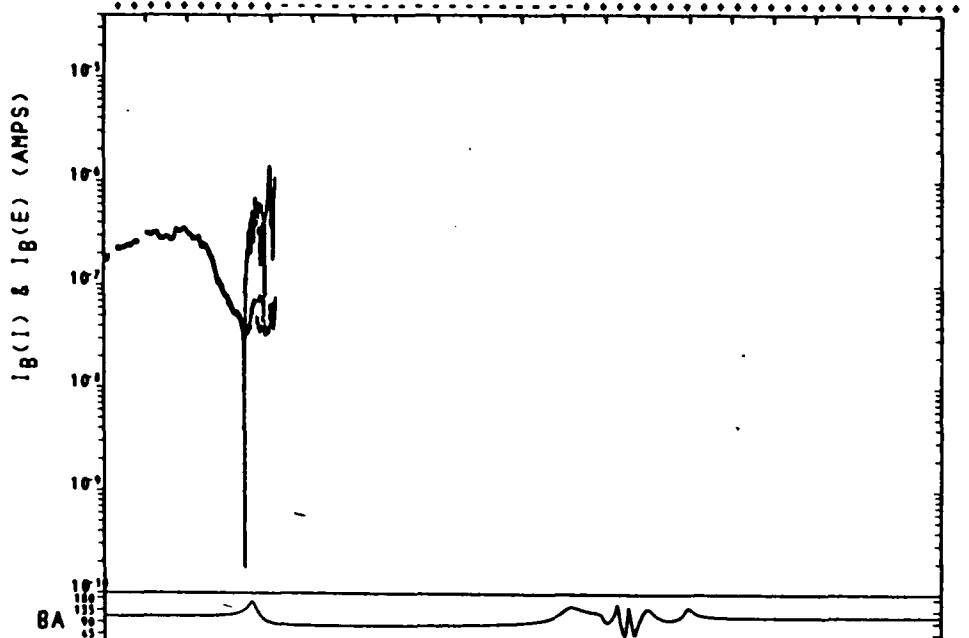




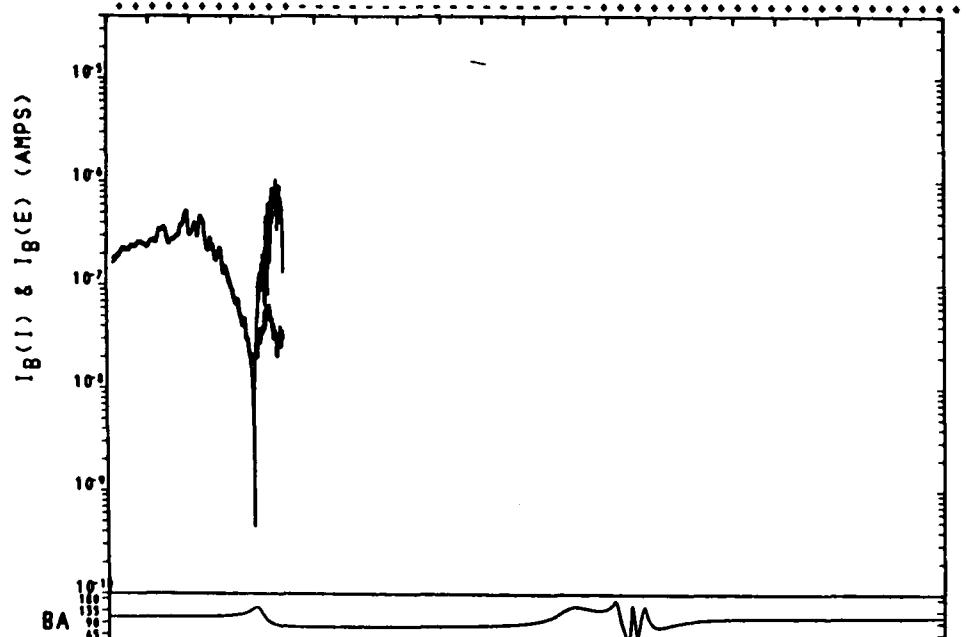




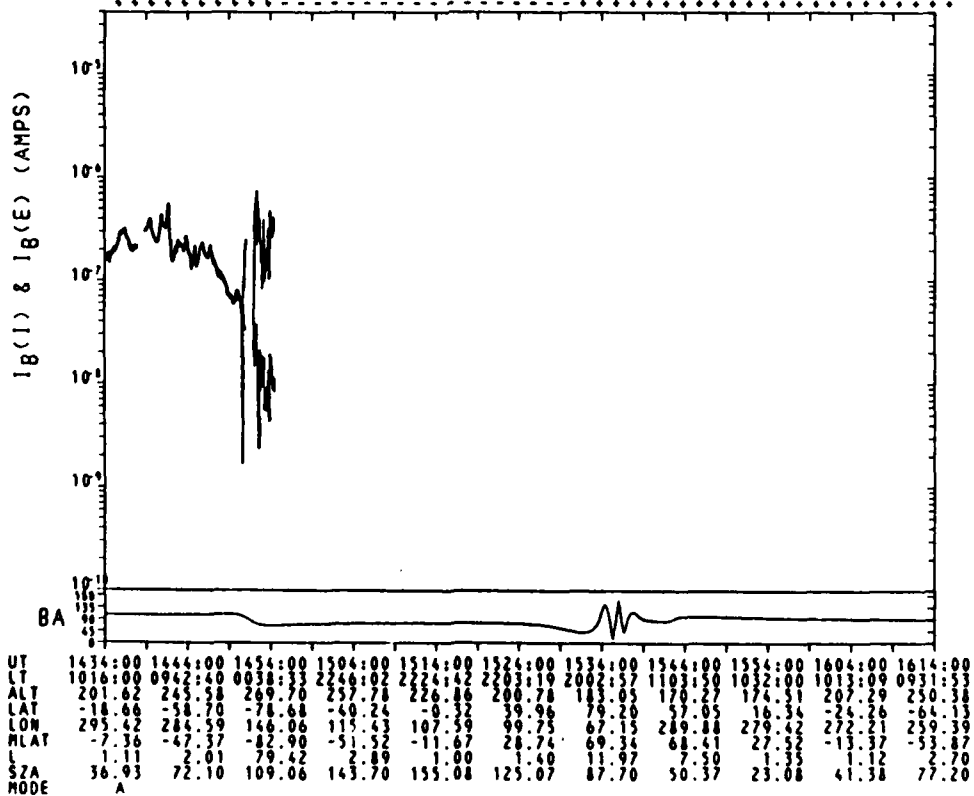
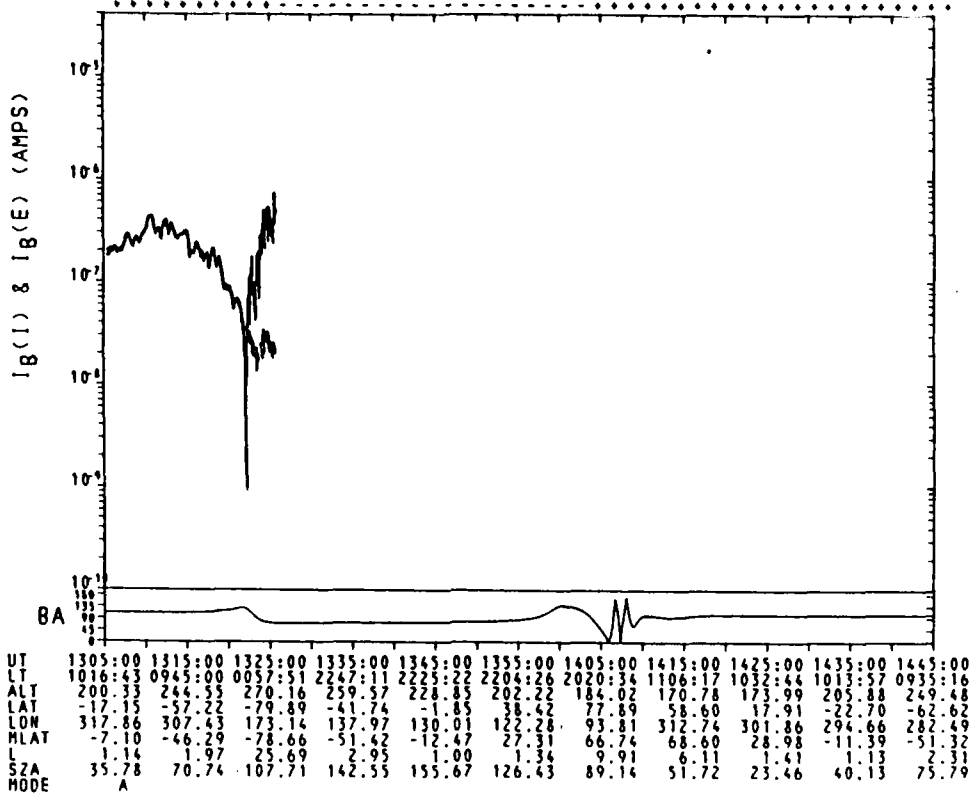


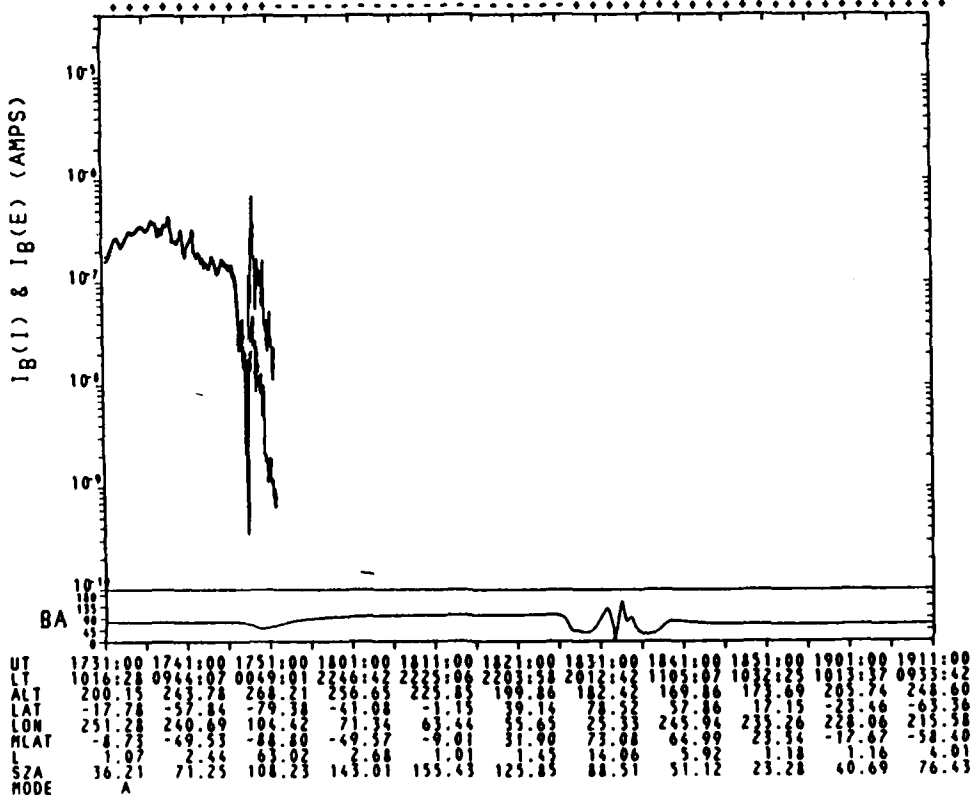
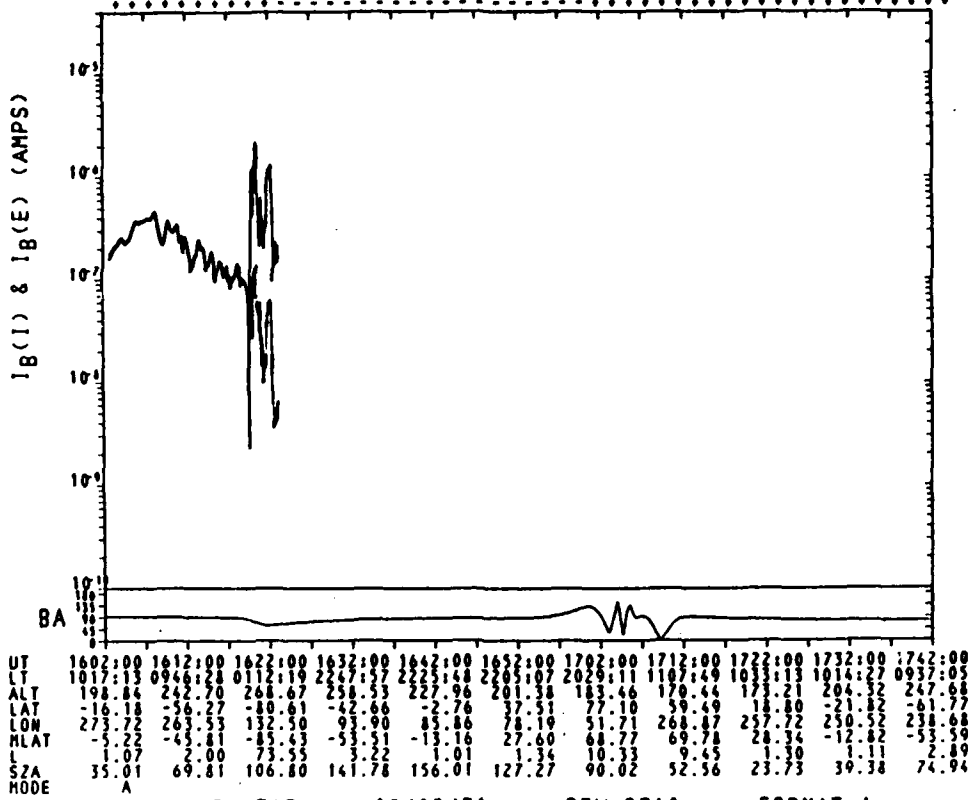


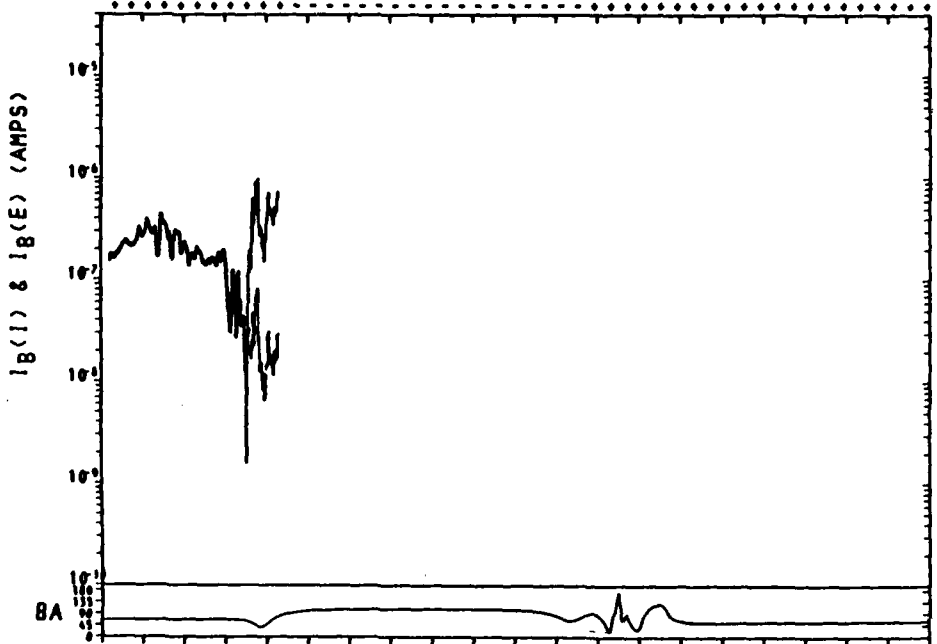
UT	1008:00	1018:00	1028:00	1038:00	1048:00	1058:00	1108:00	1118:00	1128:00	1138:00	1148:00
LT	1916:08	0943:14	0043:20	2246:19	2224:51	2203:36	2008:55	1104:35	1032:12	1013:22	0932:58
ALT	202.04	246.39	271.69	268.58	229.62	202.97	184.58	171.08	174.85	207.60	251.39
LAT	-18.28	-38.31	-79.01	-40.67	-0.78	39.48	78.79	57.56	16.85	-23.75	-63.63
LOW	1.97	351.26	215.77	182.01	174.15	160.35	135.16	356.58	345.98	338.77	326.17
RLAT	-14.37	-31.76	-72.38	-43.11	-5.58	32.72	68.00	60.26	22.83	-16.11	-53.93
L	1.34	2.71	9.98	2.08	1.91	1.43	10.78	3.36	1.06	1.32	2.62
SZA	36.69	71.81	108.76	143.43	155.23	125.44	88.10	50.75	23.18	41.03	76.79
MODE	A										



UT	1136:00	1146:00	1156:00	1206:00	1216:00	1226:00	1236:00	1246:00	1256:00	1306:00	1316:00
LT	1017:31	0947:10	0121:26	2248:22	2320:00	2305:28	2034:22	1108:24	1033:29	1014:43	0938:14
ALT	184.44	239.02	270.58	261.29	230.87	203.64	184.62	171.31	173.52	204.48	248.36
LAT	-15.58	-35.76	-80.09	-43.21	-3.34	36.91	76.55	60.11	19.44	-21.19	-61.15
LOW	340.31	330.22	201.29	160.52	152.43	144.80	119.52	335.65	324.30	317.10	305.48
RLAT	-8.26	-46.60	-75.30	-49.58	-11.58	27.42	65.29	66.41	28.59	-11.06	-50.12
L	1.20	2.14	13.53	2.74	1.04	1.30	8.56	6.41	1.21	1.17	2.21
SZA	34.61	69.60	106.38	141.41	156.17	127.74	90.53	53.05	23.91	38.94	76.42
MODE	A										



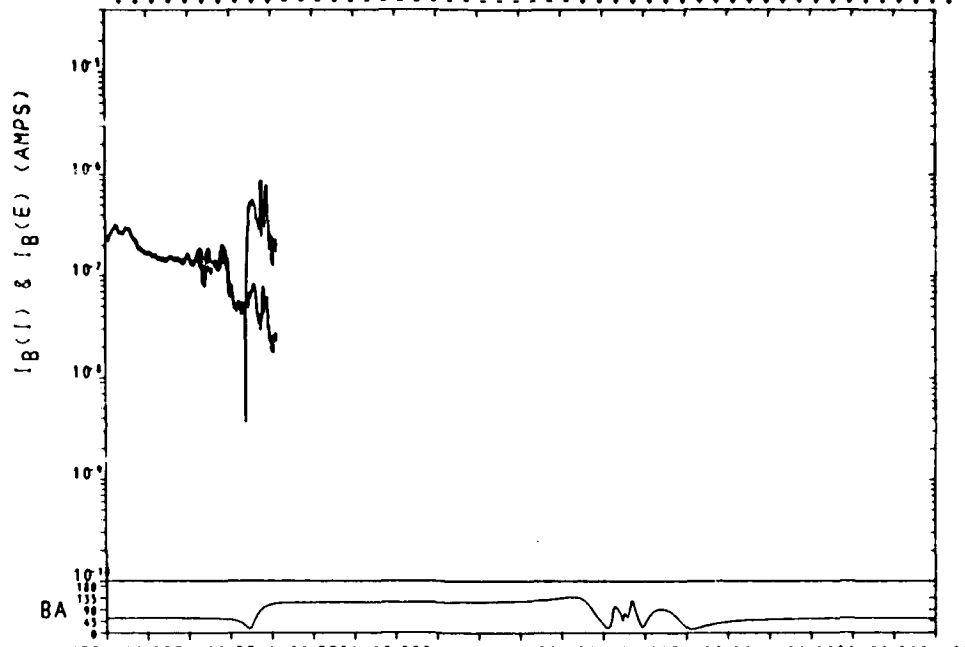




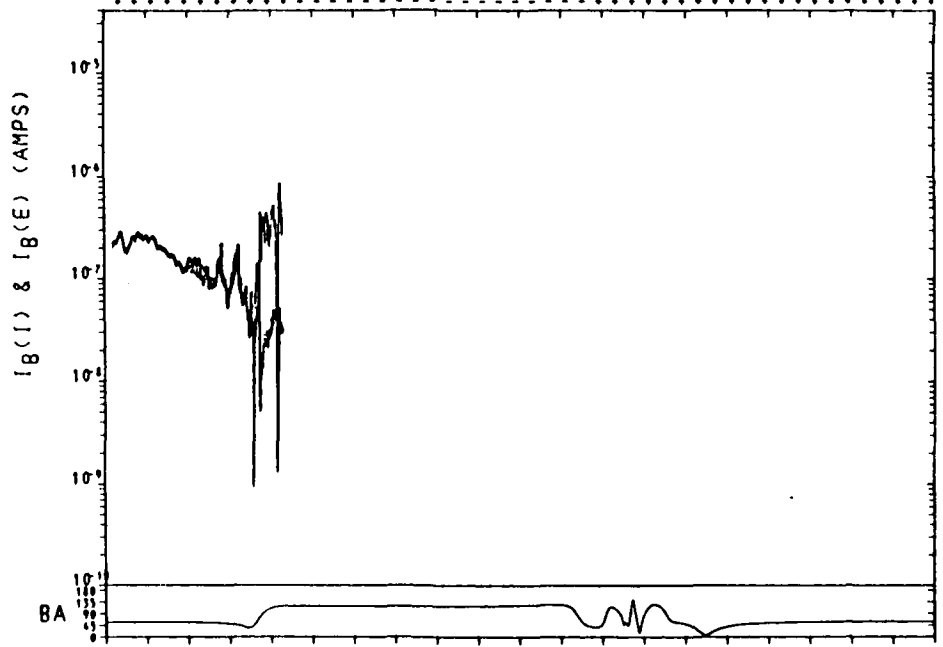
UT	1859:00	1909:00	1919:00	1929:00	1939:00	1949:00	1959:00	2009:00	2019:00	2029:00	2039:00
LT	1017:39	0947:36	0125:39	2248:37	2226:10	2205:40	2035:21	1109:08	1033:37	1014:51	0938:26
ALT	197.46	240.91	267.08	257.26	226.83	200.34	182.69	169.87	172.42	202.46	245.91
LAT	-15.38	-55.50	-81.17	-43.41	-3.50	36.78	76.46	60.20	19.32	-21.11	-61.09
LOW	229.57	219.36	91.65	49.81	41.70	34.07	8.99	224.94	213.55	206.36	194.76
RLAT	-4.47	-50.31	-86.02	-48.27	-7.74	33.16	74.04	63.26	21.91	-19.32	-59.99
L	1.07	2.68	33.42	2.63	1.06	1.40	13.19	4.92	1.17	1.16	4.80
SZA	34.38	69.04	106.04	141.15	156.27	127.96	90.75	53.24	23.98	38.78	74.26
MODE	A										



UT	2029:00	2038:00	2048:00	2058:00	2108:00	2118:00	2128:00	2138:00	2148:00	2158:00	2208:00
LT	1016:51	0945:12	0058:23	2257:16	2225:26	2204:27	2019:26	1106:10	1032:48	1013:58	0933:00
ALT	198.78	242.02	268.59	235.29	224.61	198.74	181.61	169.32	172.88	204.33	246.89
LAT	-17.07	-57.16	-79.92	-41.73	-1.40	38.51	77.99	58.47	17.77	-22.33	-62.78
LOW	207.11	196.70	62.50	27.22	19.26	11.51	342.75	201.04	191.09	183.89	171.64
RLAT	-15.21	-55.96	-81.43	-42.28	-1.74	39.16	79.54	57.17	15.79	-25.42	-66.03
L	1.10	3.74	16.67	2.32	1.97	1.47	24.46	3.32	1.10	1.26	8.46
SZA	35.63	76.57	107.56	142.46	155.70	126.46	89.14	51.71	23.45	40.15	75.83
MODE	A										

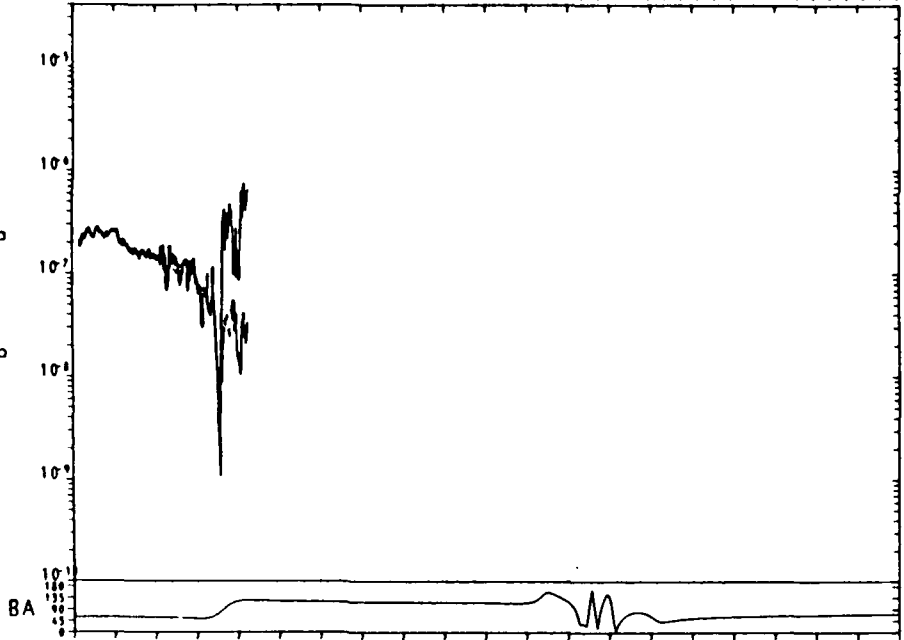


UT	2326:00	2336:00	2346:00	2356:00	0006:00	0016:00	0026:00	0036:00	0046:00	0056:00	0106:00
LT	1016:32	0944:10	0050:09	2246:57	2225:21	2204:28	2020:54	1106:18	1032:41	1013:49	0934:36
ALT	201.33	248.88	279.64	273.93	245.13	216.67	192.21	168.82	163.97	196.87	249.55
LAT	-17.77	-57.83	-79.44	-41.30	-1.58	38.50	77.87	58.61	17.81	-22.93	-62.55
LONG	162.52	151.93	15.93	342.63	334.73	327.00	298.61	157.46	146.56	139.34	127.93
MLAT	-24.31	-65.11	-74.08	-33.95	6.39	47.08	87.97	50.21	8.66	-32.62	-73.42
L	1.22	8.20	7.86	1.77	1.08	1.87	153.18	2.63	1.01	1.41	24.81
SZA	36.13	71.15	108.07	142.76	155.63	126.51	89.32	51.89	23.51	40.20	75.93
MODE	A										



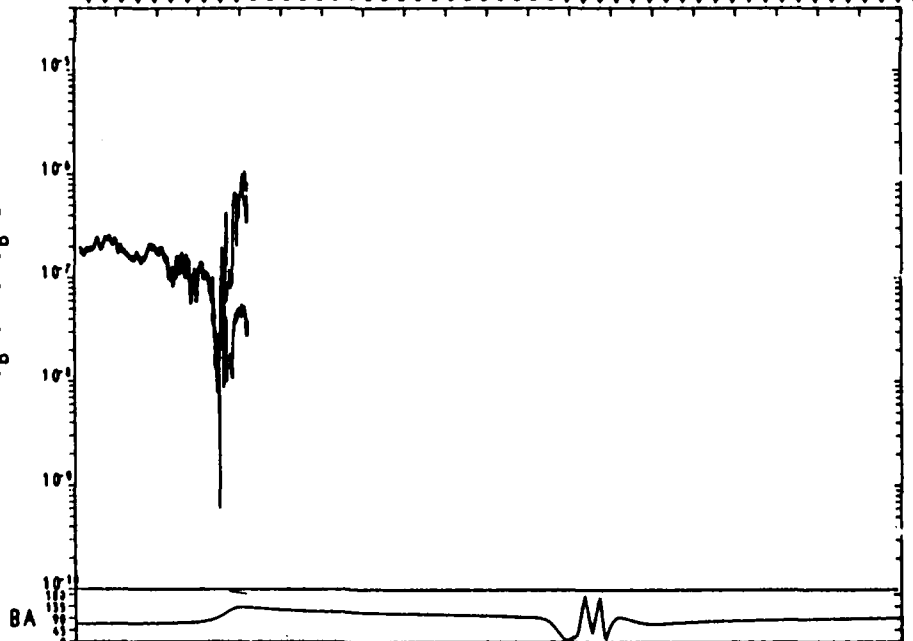
UT	0054:00	0104:00	0114:00	0124:00	0134:00	0144:00	0154:00	0204:00	0214:00	0224:00	0234:00
LT	1018:06	0948:46	0143:52	2249:33	2226:46	2206:41	2047:08	1112:23	1034:31	1015:44	0941:30
ALT	197.85	244.95	278.02	274.84	247.32	218.74	195.51	176.11	173.43	202.75	250.14
LAT	-14.55	-54.68	-81.76	-44.43	-4.73	35.35	75.01	61.86	21.22	-19.45	-59.47
LONG	140.91	131.08	7.35	321.27	313.08	305.56	283.17	136.98	125.01	117.82	106.75
MLAT	-24.12	-64.93	-74.67	-34.54	5.68	46.18	86.11	51.46	10.25	-30.67	-70.81
L	1.18	7.98	8.21	1.60	1.11	2.10	139.93	3.07	1.02	1.31	13.50
SZA	33.70	68.20	105.13	140.25	156.64	129.31	92.33	54.83	24.64	37.39	72.64
MODE	A										

I_B(I) & I_B(E) (AMPS)

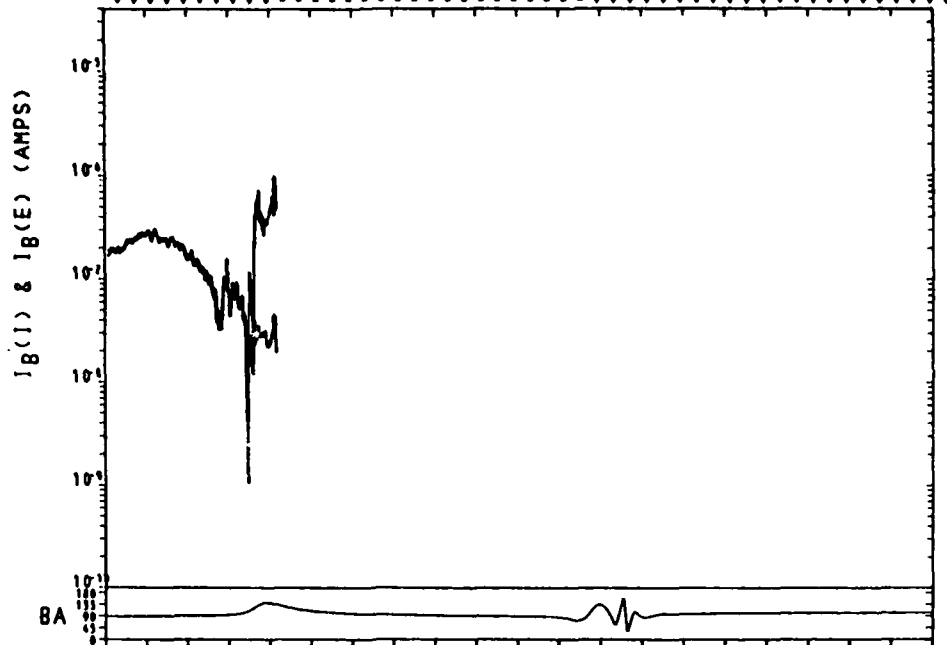


UT	0223:00	0233:00	0243:00	0253:00	0303:00	0313:00	0323:00	0333:00	0343:00	0353:00	0403:00
LT	1017:42	0947:39	0128:46	2248:50	2226:24	2206:07	2040:56	1110:39	1034:05	1015:19	0939:38
ALT	198.36	245.62	277.81	273.71	243.88	217.54	194.66	175.51	173.59	203.56	250.76
LAT	-15.40	-55.62	-81.20	-43.58	-3.87	36.23	75.82	60.98	20.32	-20.34	-60.33
LOW	118.56	108.34	340.82	298.84	290.73	283.16	259.36	114.29	102.63	95.45	-84.12
MLAT	-26.61	-66.88	-71.82	-32.36	7.49	47.31	82.90	49.63	9.03	-31.34	-70.06
L	1.19	8.91	6.59	1.44	1.13	2.38	92.74	3.03	1.00	1.36	9.41
SZA	34.31	68.95	105.89	140.91	156.41	128.56	91.52	54.05	24.31	38.07	73.43
MODE	A										

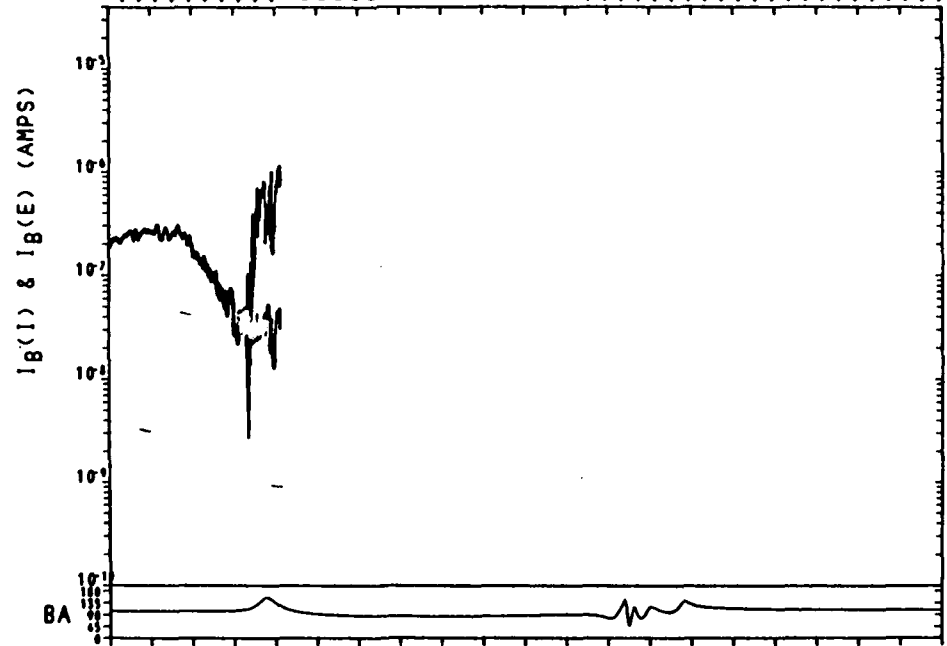
I_B(I) & I_B(E) (AMPS)



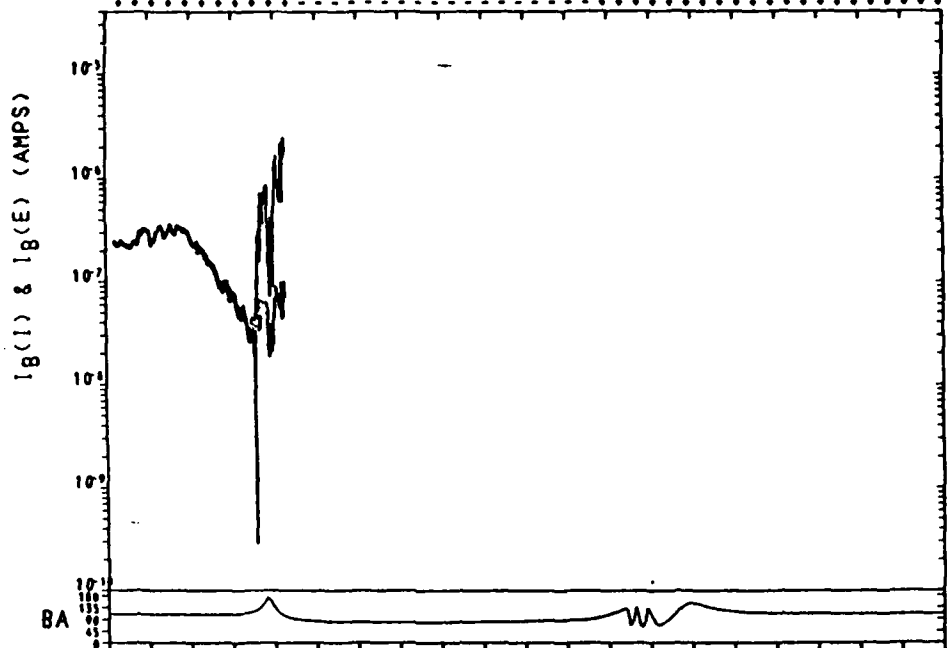
UT	0352:00	0402:00	0412:00	0422:00	0432:00	0442:00	0452:00	0502:00	0512:00	0522:00	0532:00
LT	1017:18	0944:25	0111:15	2248:07	2226:01	2205:31	2035:41	1108:57	1033:10	1014:52	0938:17
ALT	199.31	244.29	277.57	272.52	244.40	218.32	195.74	175.68	173.76	204.48	251.37
LAT	-16.30	-56.39	-80.56	-42.70	-2.97	37.14	76.05	60.08	19.36	-21.27	-61.23
LOW	96.20	85.98	314.69	276.40	268.38	260.75	235.29	91.01	80.28	73.00	-81.66
MLAT	-27.33	-66.44	-69.70	-31.59	7.64	48.87	78.70	49.11	9.38	-30.24	-67.66
L	1.24	7.19	5.75	1.41	1.07	2.24	33.92	2.99	1.00	1.40	6.33
SZA	34.95	69.74	106.68	141.59	156.14	127.78	90.68	55.24	23.98	38.78	74.25
MODE	A										



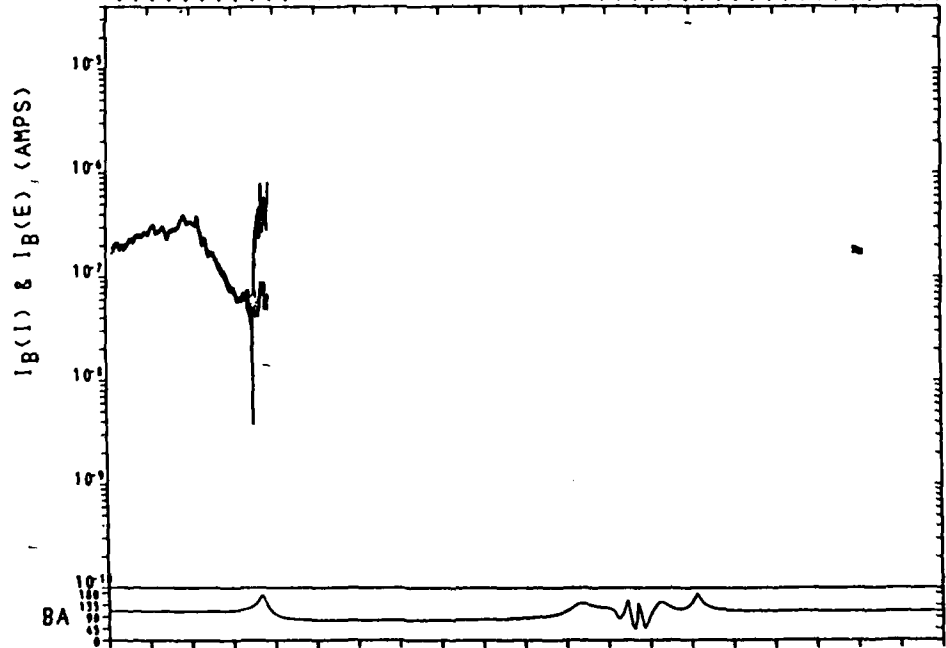
UT	0521:00	0531:00	0541:00	0551:00	0601:00	0611:00	0621:00	0631:00	0641:00	0651:00	0701:00
LT	1016:52	0945:05	0057:13	2267:23	2225:37	2204:51	2025:07	1107:17	1033:10	1014:23	0936:24
ALT	200.08	246.96	277.27	271.27	242.87	215.06	192.79	174.51	173.94	205.25	251.96
LAT	-17.22	-57.30	-79.85	-41.79	-2.03	38.09	77.50	59.10	18.41	-22.23	-62.17
LOW	73.84	63.39	288.93	253.97	246.03	238.33	210.90	68.94	57.91	50.71	38.72
MLAT	-26.32	-64.03	-68.49	-32.25	6.23	44.61	74.95	49.84	11.14	-27.76	-63.83
L	1.28	5.28	5.48	1.47	1.04	1.97	18.81	2.93	1.01	1.44	6.78
SZA	35.63	70.57	107.50	142.30	155.83	126.96	89.80	52.40	23.68	39.54	75.12
MODE	A										



UT	0650:00	0700:00	0710:00	0720:00	0730:00	0740:00	0750:00	0800:00	0810:00	0820:00	0830:00
LT	1016:36	0944:10	0049:20	2246:58	2224:24	2204:28	2019:26	1106:21	1032:55	1014:07	0935:19
ALT	201.88	248.84	278.52	271.79	243.01	215.15	193.00	175.02	175.12	207.06	253.72
LAT	-17.84	-57.89	-79.39	-41.21	-1.46	38.66	78.00	58.53	17.84	-22.78	-62.69
LOW	51.51	40.91	264.70	231.61	223.71	219.98	187.22	46.46	35.59	28.39	16.19
MLAT	-23.59	-60.33	-68.54	-34.54	3.22	41.03	71.87	52.13	14.36	-24.09	-60.01
L	1.31	4.13	5.84	1.59	1.03	1.74	13.47	2.95	1.02	1.49	3.85
SZA	36.09	71.10	108.02	142.73	155.64	126.47	89.29	51.92	23.52	39.96	75.59
MODE	A										



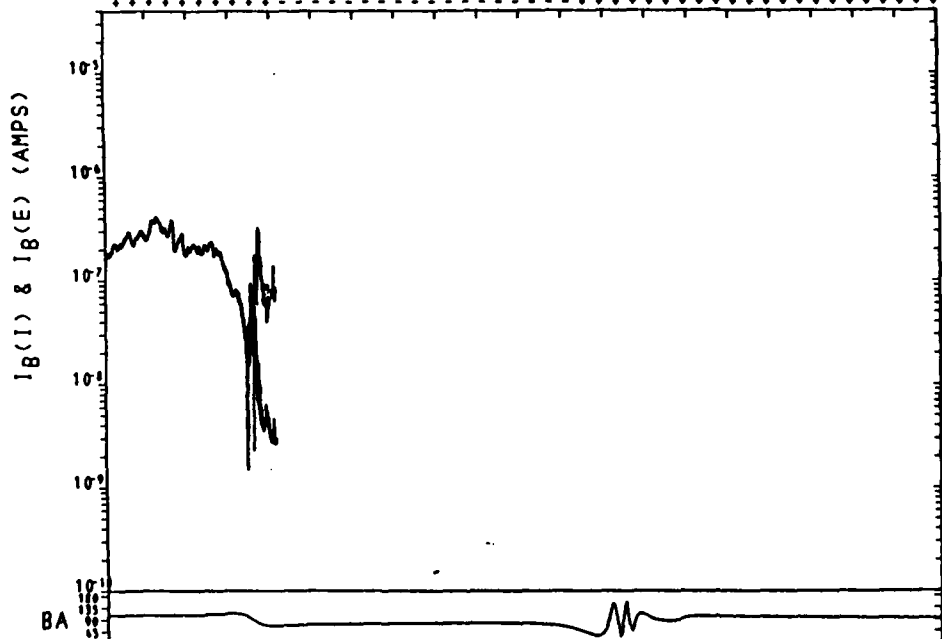
UT	0818:00	0828:00	0838:00	0848:00	0858:00	0908:00	0918:00	0928:00	0938:00	0948:00	0958:00
LT	1018:07	0948:40	0140:51	2249:31	2226:47	2206:38	2045:36	1112:00	1034:30	1015:43	0941:10
ALT	198.46	245.02	276.97	272.68	244.62	216.31	193.94	175.59	173.81	203.37	250.11
LAT	-14.70	-54.82	-81.67	-44.27	-4.54	35.37	75.23	61.61	20.97	-19.68	-59.69
LOH	-29.89	20.03	255.57	210.24	202.05	194.52	171.76	25.86	13.98	6.78	355.65
MLAT	-16.47	-53.39	-71.15	-41.13	-3.92	33.83	67.63	58.42	21.60	-16.85	-53.75
L	1.26	3.13	7.25	1.94	1.02	1.46	8.67	3.66	1.05	1.39	2.92
SZA	33.72	68.22	105.15	140.28	156.63	129.23	92.22	54.72	24.59	37.47	72.73
MODE	A										



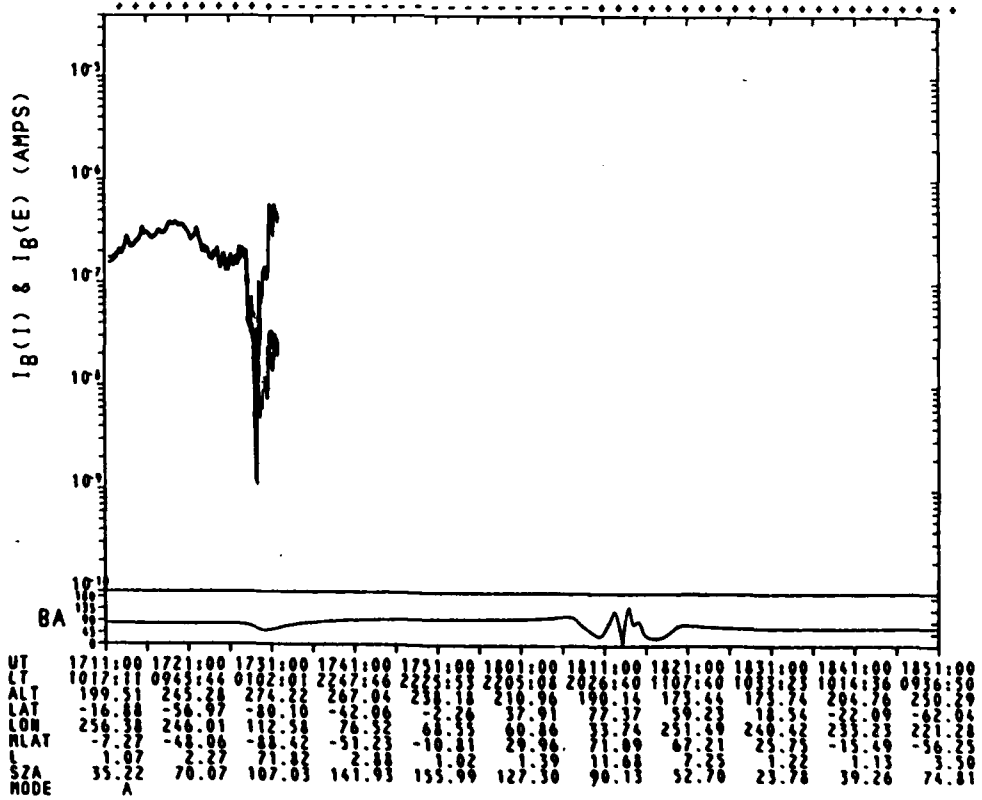
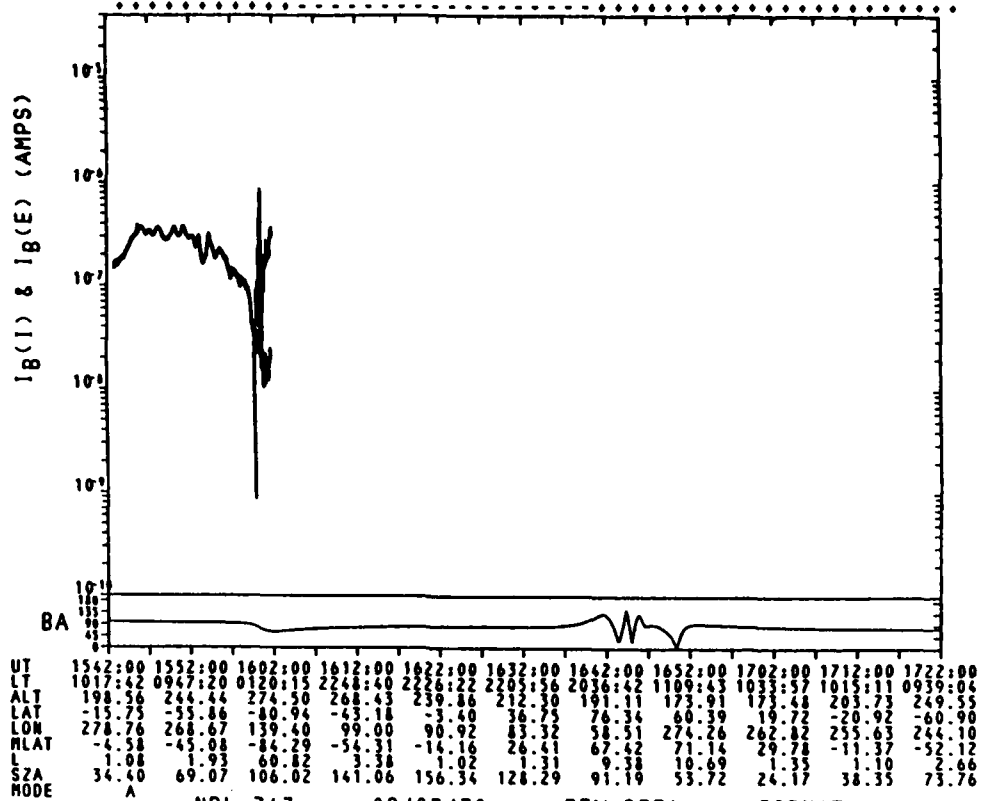
UT	0947:00	0957:00	1007:00	1017:00	1027:00	1037:00	1047:00	1057:00	1107:00	1117:00	1127:00
LT	1017:41	0947:24	0122:37	2248:44	2226:23	2206:00	2038:28	1110:08	1034:01	1015:14	0939:27
ALT	199.19	245.69	276.69	271.43	243.07	215.03	193.01	174.93	173.97	204.23	250.75
LAT	-15.64	-55.75	-81.03	-43.34	-3.59	36.53	76.12	60.64	19.98	-20.67	-60.65
LOH	7.53	357.46	228.76	187.79	179.70	172.10	147.72	3.14	351.61	344.41	332.96
MLAT	-13.03	-50.26	-72.43	-44.55	-7.33	30.74	66.17	61.82	24.91	-13.91	-51.68
L	1.30	2.68	8.98	2.20	1.02	1.37	8.45	3.83	1.08	1.30	2.50
SZA	34.39	69.05	105.99	141.01	156.37	128.40	91.33	53.86	24.22	38.23	73.61
MODE	A										



UT	1245:00	1255:00	1305:00	1315:00	1325:00	1335:00	1345:00	1355:00	1405:00	1415:00	1425:00
LT	1016:45	0944:31	0051:39	2247:09	2225:31	2204:35	2020:04	1106:31	1033:00	1014:13	0955:27
ALT	200.85	247.13	276.11	268.82	239.95	212.52	191.17	174.00	174.46	206.13	252.13
LAT	-17.65	-57.71	-79.52	-61.35	-1.57	31.58	77.95	58.58	17.88	-25.74	-62.66
LOW	322.79	312.22	176.51	162.88	134.97	129.24	98.61	317.72	306.84	295.64	287.45
MLAT	-8.08	-47.04	-77.95	-50.45	-11.79	27.70	66.69	67.97	28.62	-11.56	-51.31
L	1.15	2.03	23.30	2.82	-11.01	1.35	0.91	5.63	1.38	1.14	2.29
SZA	35.86	70.83	107.77	142.55	155.72	126.63	89.43	52.04	23.56	39.85	75.47
MODE	A										



UT	1414:00	1424:00	1434:00	1444:00	1454:00	1504:00	1514:00	1524:00	1534:00	1544:00	1554:00
LT	1016:15	0942:52	0038:42	2246:21	2225:04	2203:49	2008:03	1104:47	1032:29	1013:39	0953:07
ALT	201.77	247.90	275.79	267.52	238.38	211.27	190.26	173.49	174.87	207.18	252.82
LAT	-18.70	-58.74	-78.67	-60.31	-0.50	39.66	78.88	57.49	16.78	-23.84	-63.72
LOW	300.41	289.56	151.02	120.43	112.60	104.79	73.35	295.03	284.46	277.25	264.62
MLAT	-7.54	-47.38	-81.98	-51.41	-11.84	28.33	68.63	68.77	28.10	-12.71	-53.12
L	1.12	2.01	62.93	2.89	1.00	1.39	11.38	7.36	1.39	1.12	2.58
SZA	36.65	71.78	108.71	143.34	155.32	125.69	88.44	51.10	23.27	40.71	76.44
MODE	A										

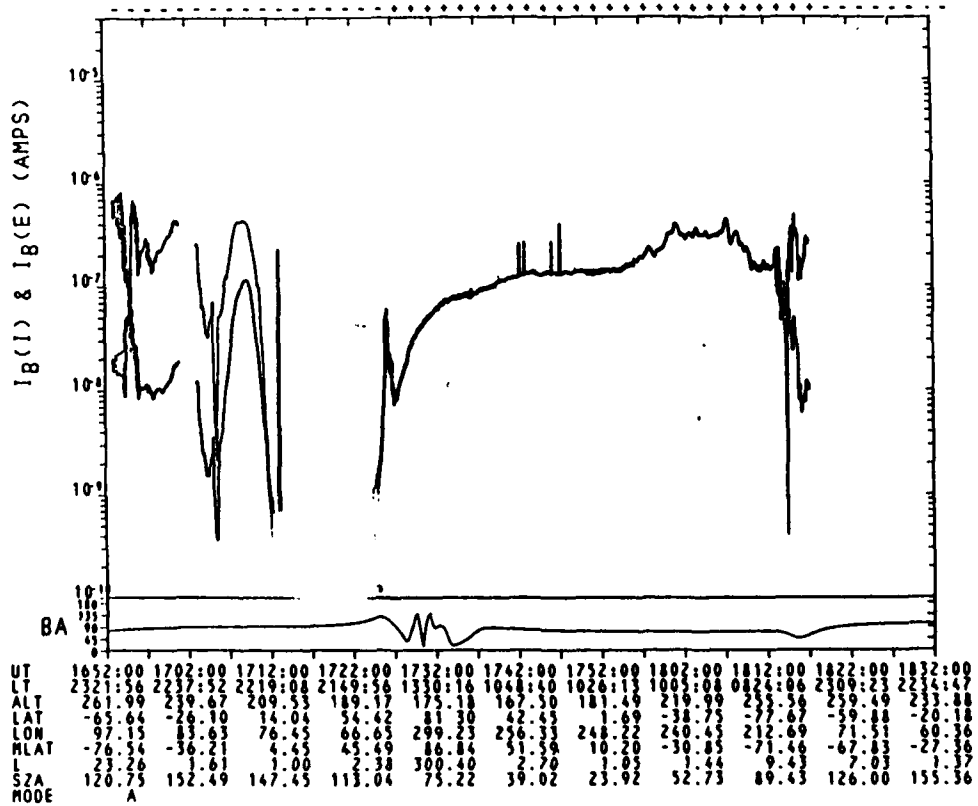
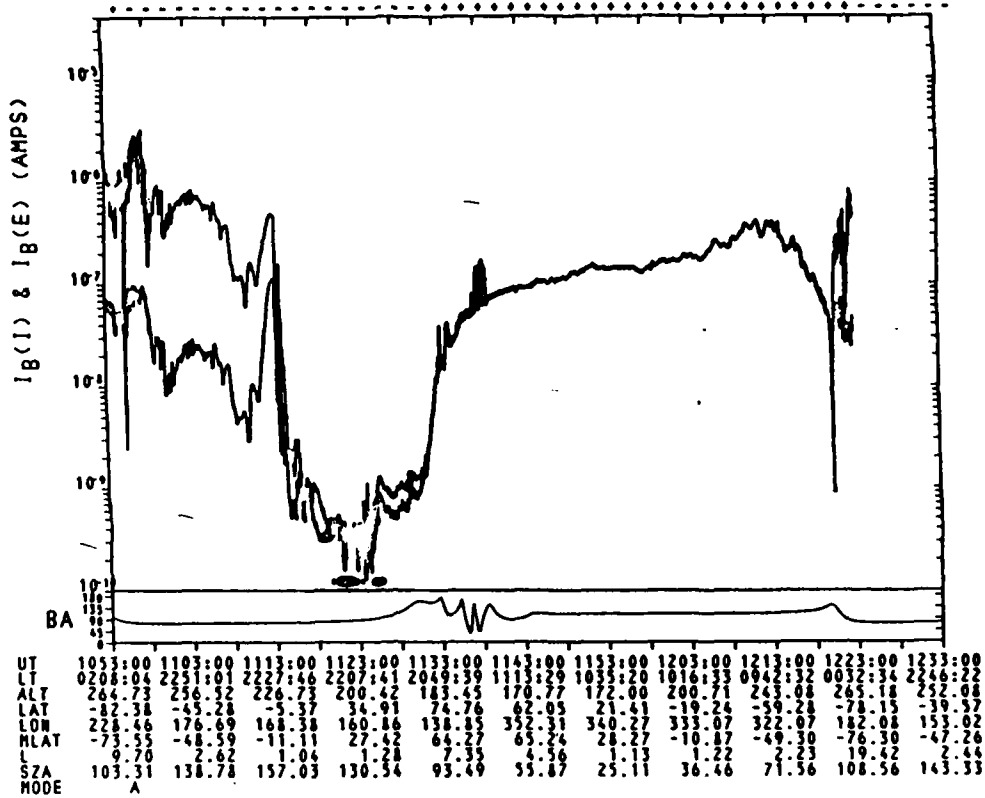


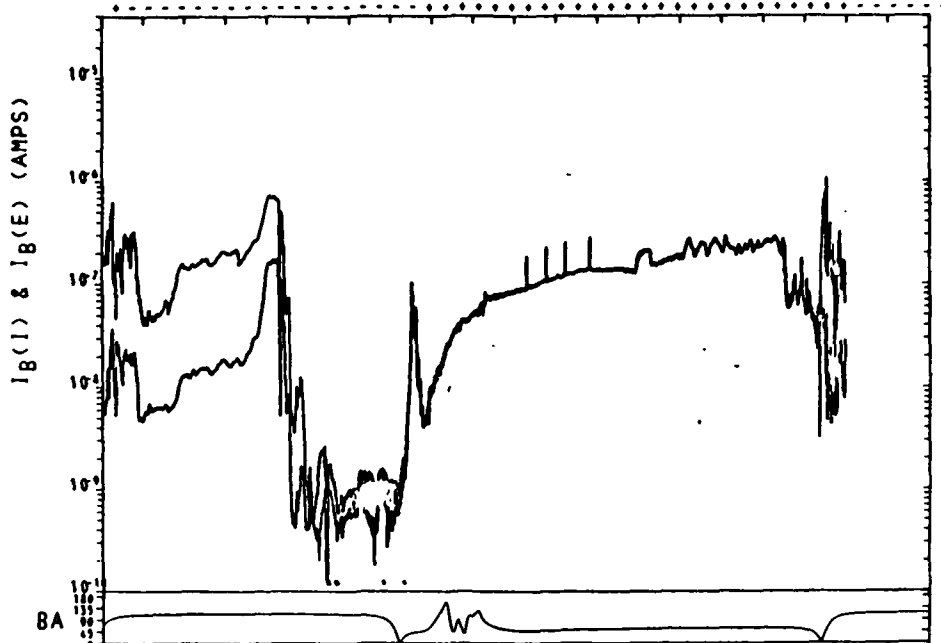


UT	1840:00	1850:00	1900:00	1910:00	1920:00	1930:00	1940:00	1950:00	2000:00	2010:00	2020:00
LT	1016:38	0943:58	0046:12	2246:52	2225:22	2204:17	2014:25	1105:42	1032:48	1013:59	0934:19
ALT	200.48	246.10	273.86	265.58	236.46	209.59	189.12	172.83	174.02	205.83	251.01
LAT	-18.05	-58.11	-79.18	-40.91	-1.08	39.10	78.41	58.03	17.32	-23.30	-63.21
LOW	233.98	223.32	80.37	54.04	46.17	38.39	8.43	228.75	218.02	210.82	198.40
MLAT	-11.39	-52.21	-85.57	-46.61	-6.16	34.65	75.45	61.99	20.61	-20.61	-61.25
L	1.09	2.88	32.44	2.46	1.03	1.49	16.62	4.53	1.14	1.19	5.14
SZA	36.09	71.12	108.07	142.82	155.57	126.26	89.02	51.64	23.43	40.22	75.89
MODE	A										

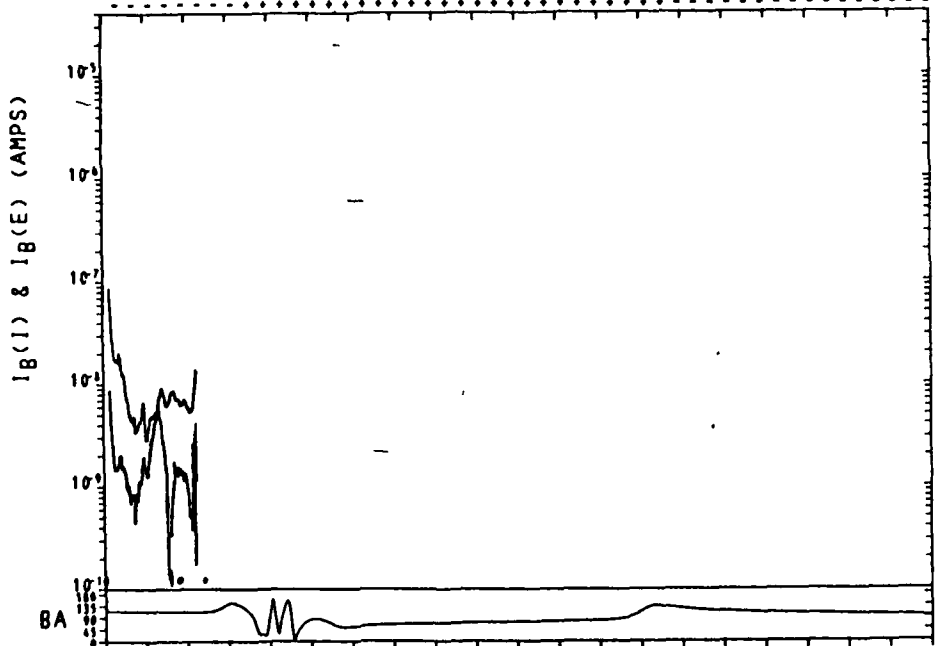


UT	1838:00	1848:00	1858:00	1908:00	1918:00	1928:00	1938:00	1948:00	1958:00	2008:00	2018:00
LT	0210:08	2250:55	2227:38	2207:38	2051:07	1113:51	1035:16	1016:29	0942:46	0035:18	2246:23
ALT	267.08	260.54	231.49	204.70	186.30	171.89	171.84	200.35	243.84	267.83	256.39
LAT	-82.43	-45.40	-5.54	34.69	74.52	62.33	21.69	-18.97	-59.02	-78.39	-39.88
LOW	112.78	60.47	52.15	44.65	23.02	236.20	224.06	216.86	205.93	60.36	36.84
MLAT	-86.17	-52.09	-11.59	29.27	70.31	67.38	26.02	-15.23	-55.99	-81.66	-42.37
L	42.61	2.99	1.07	1.32	9.50	7.02	1.23	1.11	3.65	17.81	2.27
SZA	103.47	138.90	157.00	130.49	93.48	55.87	25.11	36.47	71.58	108.56	143.30
MODE	A										

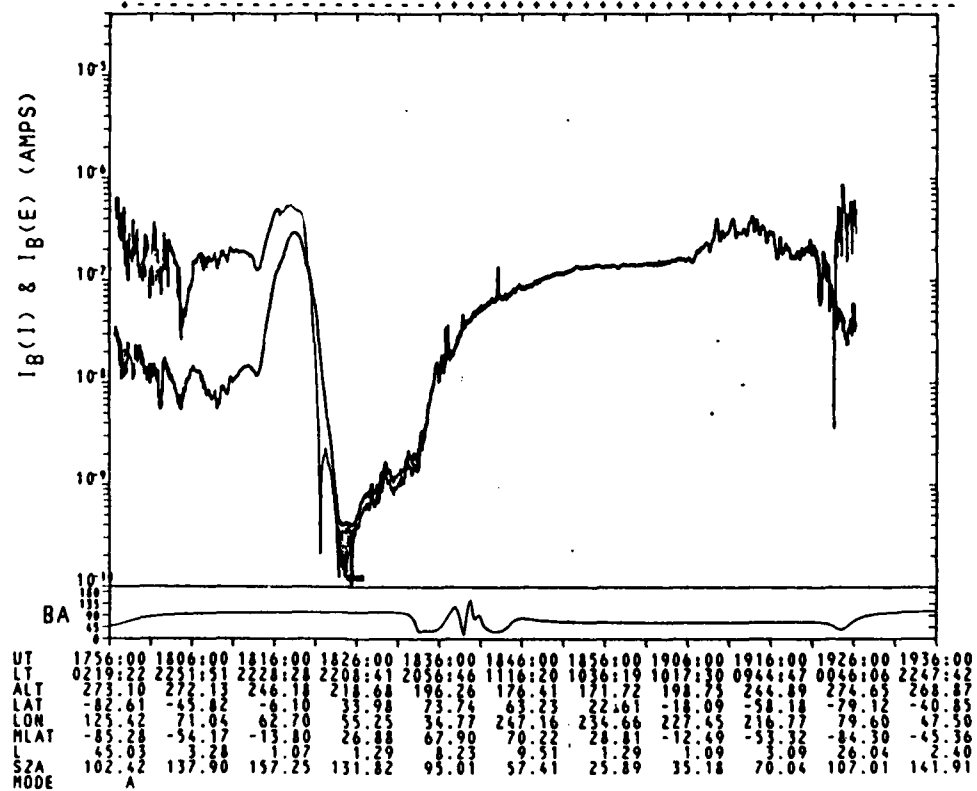
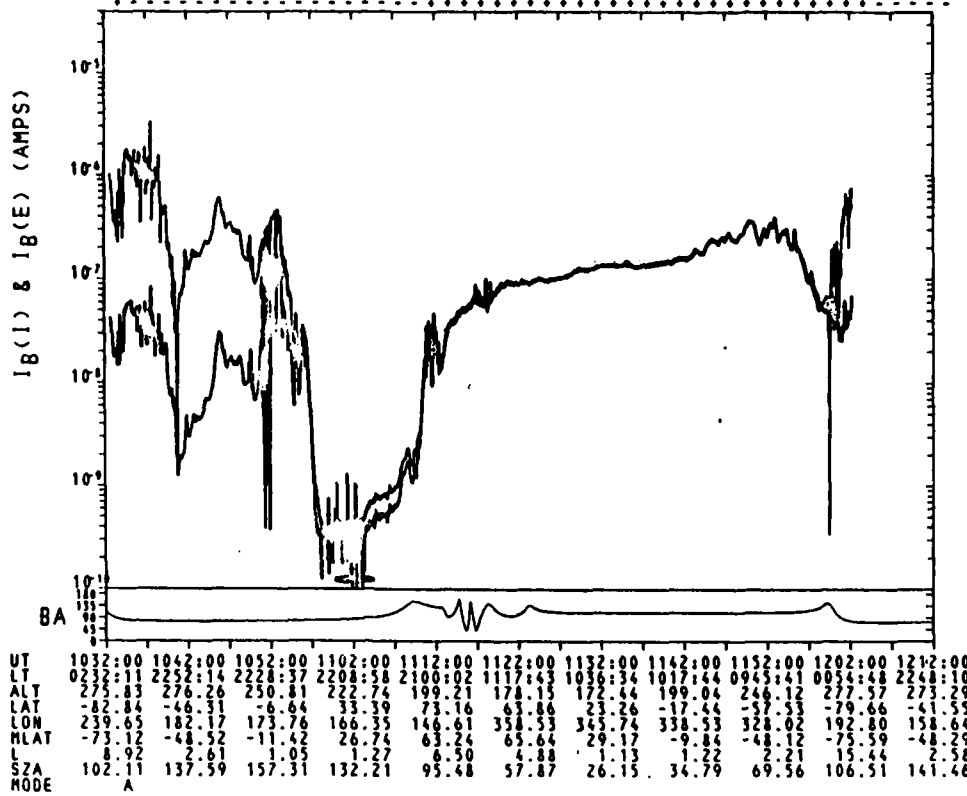


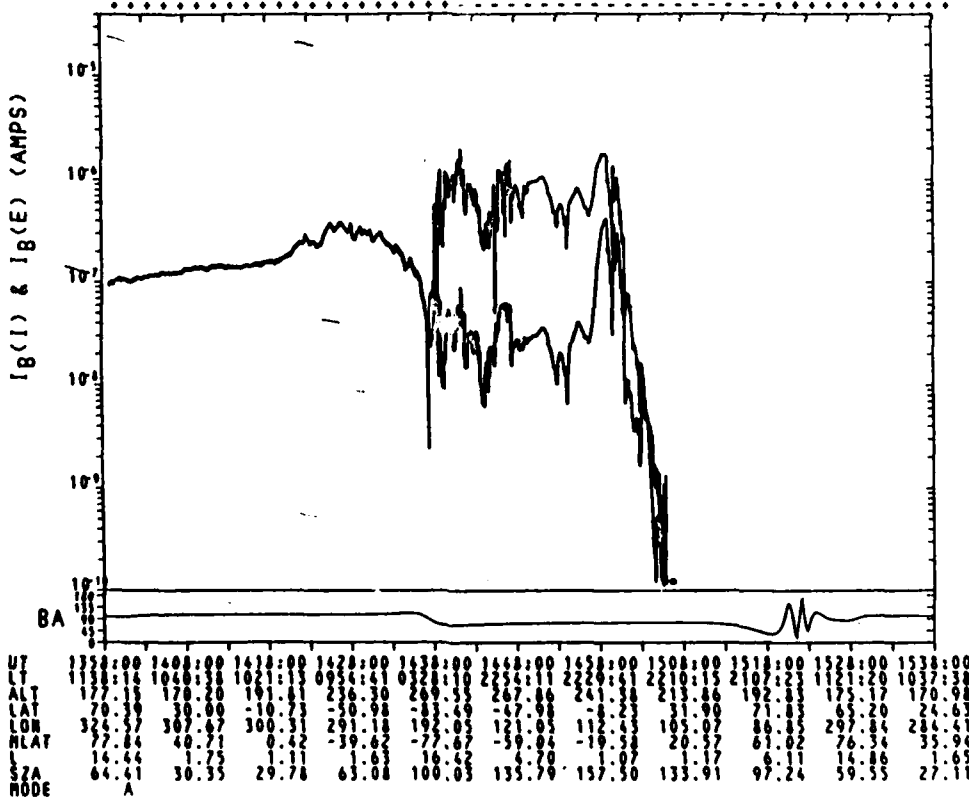
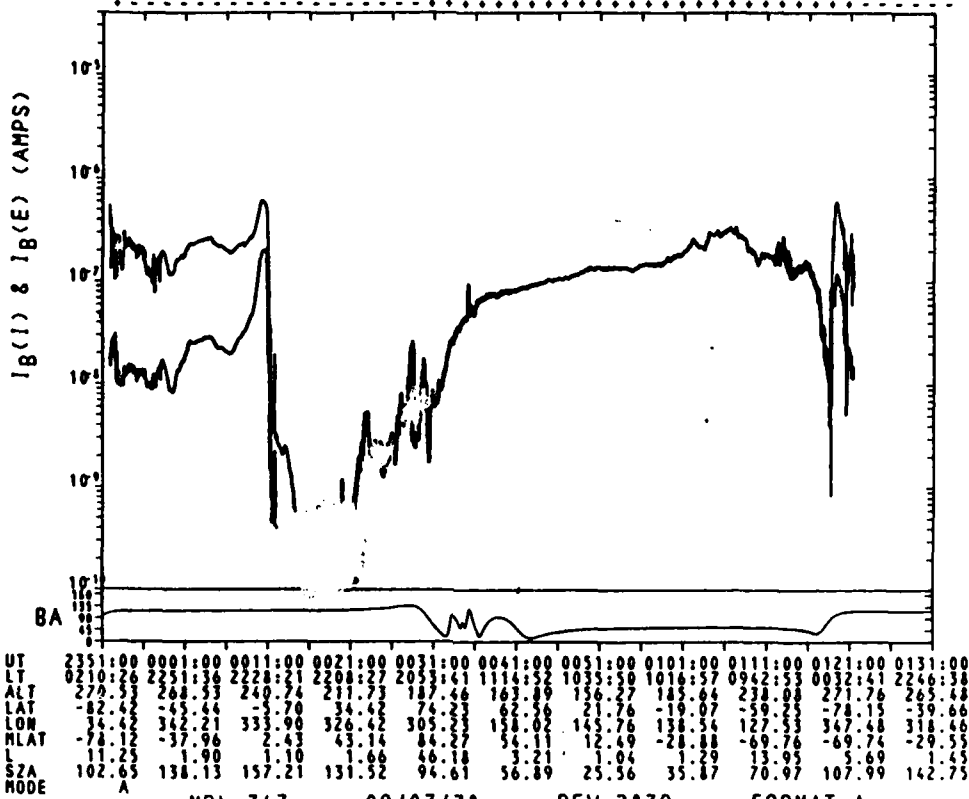


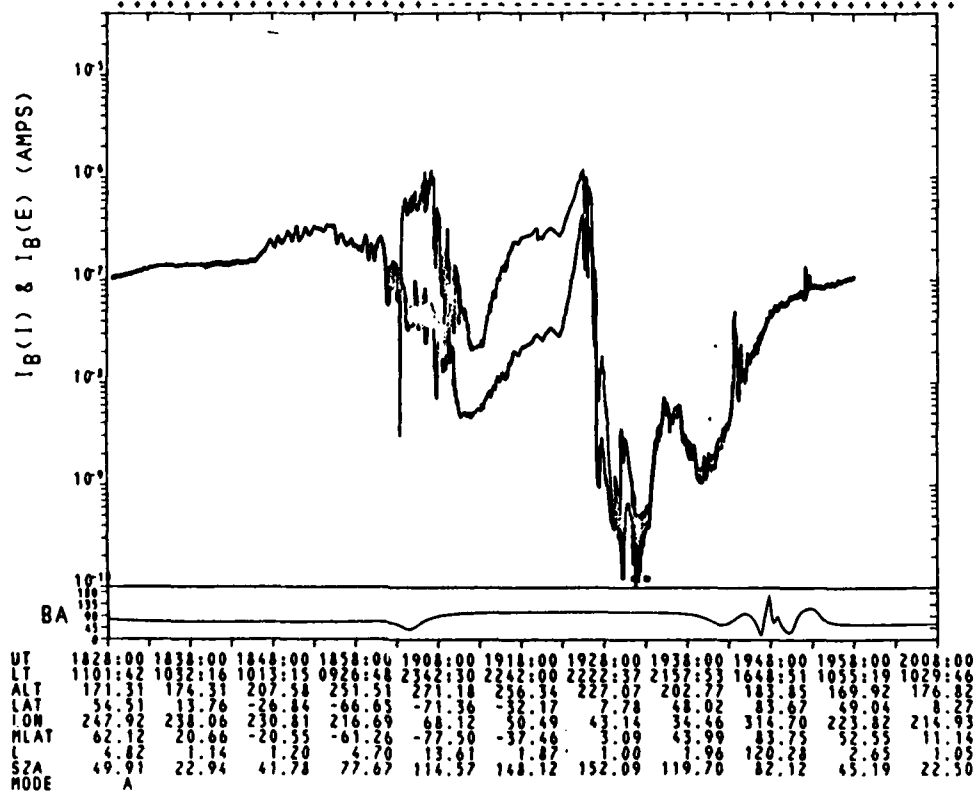
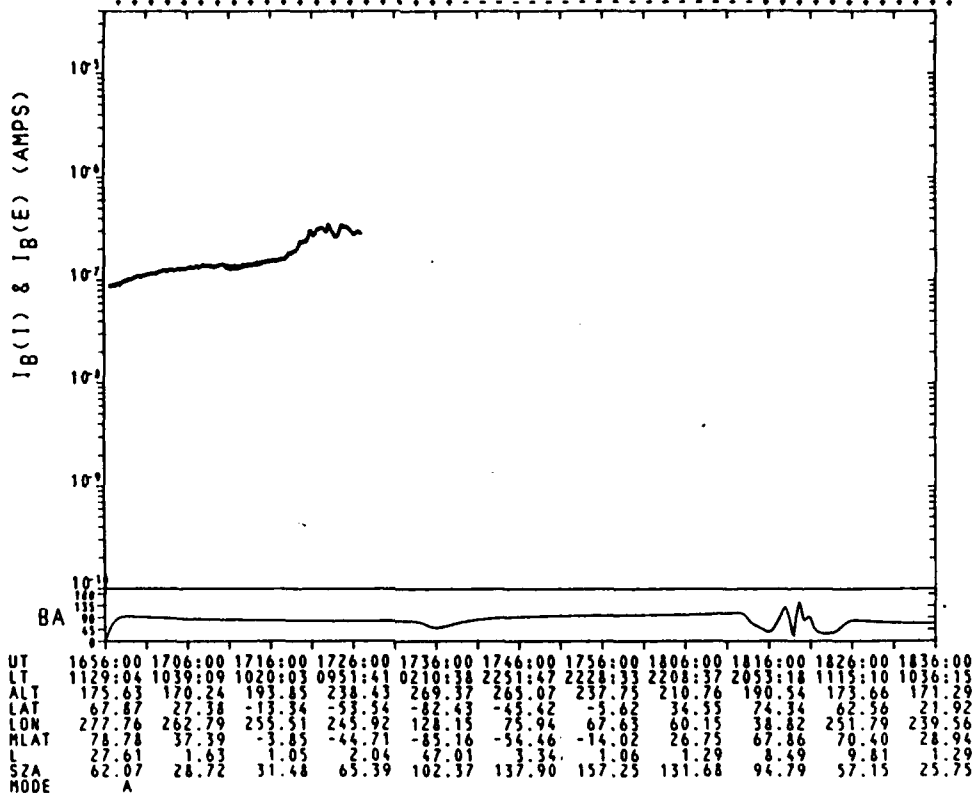
UT	2113:00	2123:00	2133:00	2143:00	2153:00	2203:00	2213:00	2223:00	2233:00	2243:00	2253:00
LT	0142:07	2450:06	2227:20	2206:36	2040:14	1110:33	1034:43	1014:39	0940:10	0818:31	2244:23
ALT	259.77	249.67	219.75	194.84	179.39	168.34	170.69	199.56	240.35	259.78	244.78
LAT	-81.09	-44.10	-4.12	36.23	76.01	89.68	120.91	-20.64	60.67	-76.89	-38.06
LONG	-82.36	-21.43	13.24	5.64	34.44	190.68	185.09	177.89	166.44	23.61	357.74
MLAT	1.45	2.40	-2.83	38.11	78.69	58.52	16.84	-24.40	-65.12	-73.37	-33.17
L	1.19	1.10	1.10	1.39	19.42	1.11	1.11	1.23	7.92	7.54	1.86
SZA	104.19	139.60	156.80	129.56	92.38	54.77	24.59	37.41	72.71	109.75	144.36
MODE	A										

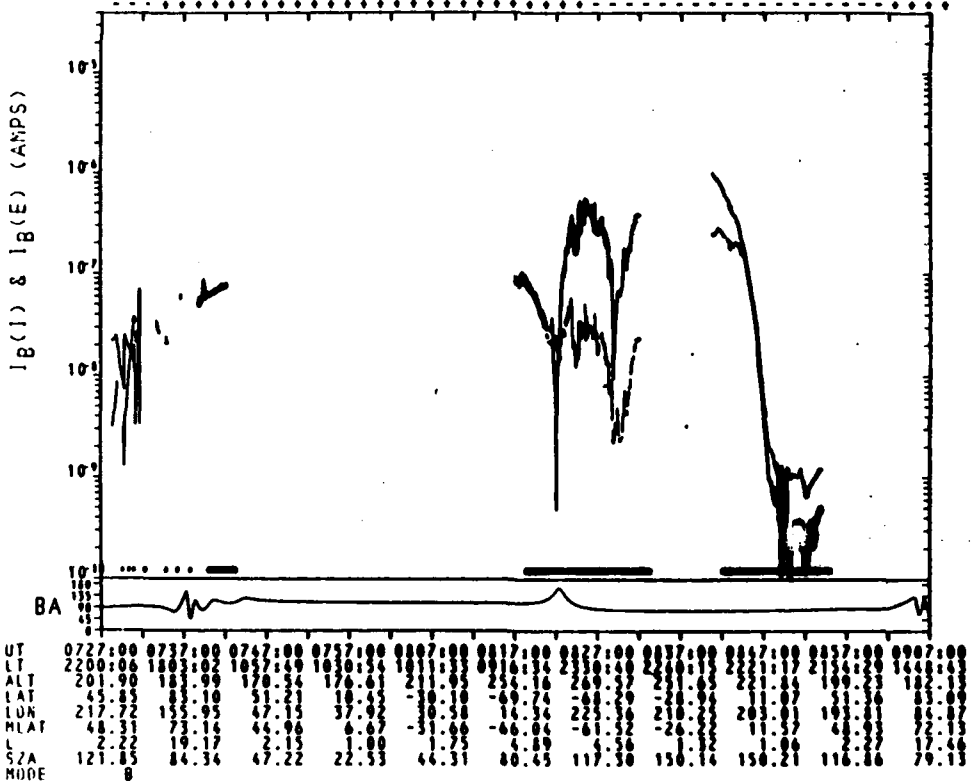
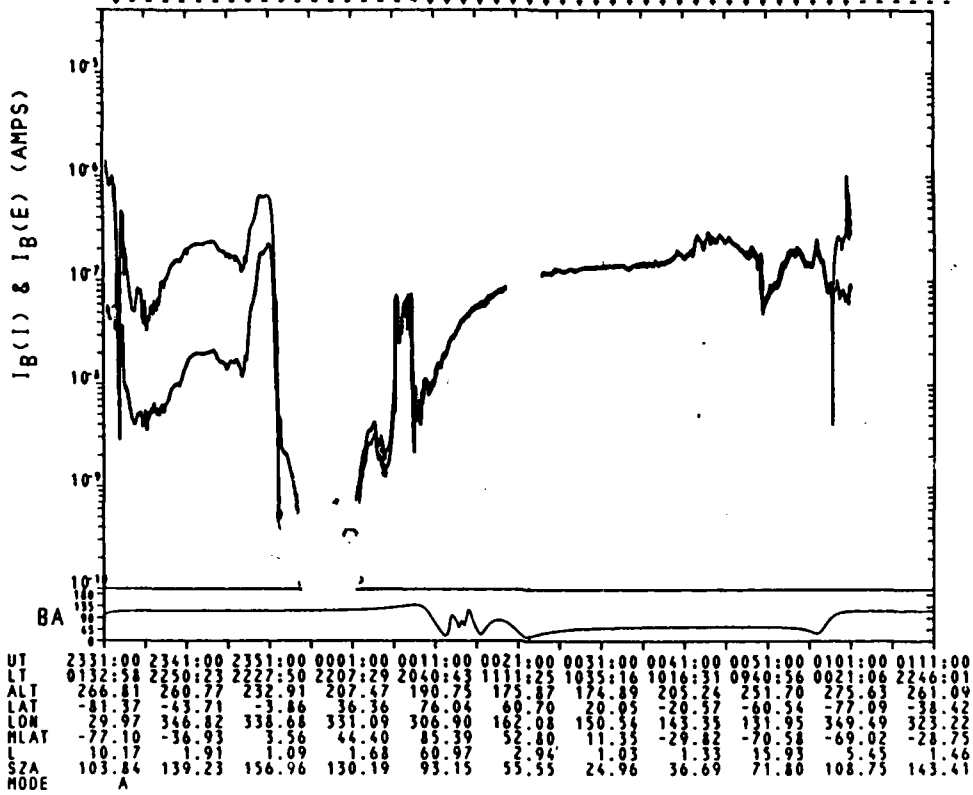


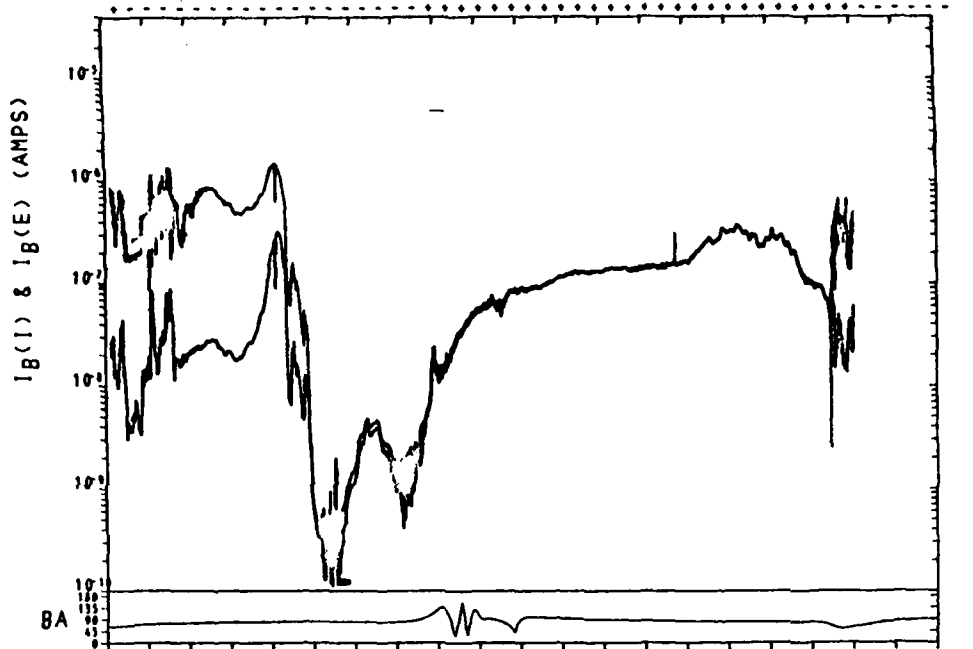
UT	0331:00	0341:00	0351:00	0401:00	0411:00	0421:00	0431:00	0441:00	0451:00	0501:00	0511:00
LT	2223:00	2159:24	1809:56	1057:20	1030:19	1010:38	0916:22	2330:41	2239:48	2220:54	2154:40
ALT	244.67	217.47	193.59	174.13	176.89	213.27	260.26	282.00	269.10	240.33	213.97
LAT	5.82	45.90	83.06	51.34	10.58	-30.00	-69.93	-68.49	-29.30	10.52	50.62
LONG	282.63	274.23	213.11	103.71	94.46	87.12	70.97	282.05	266.83	259.60	250.54
MLAT	17.09	36.76	78.20	40.03	-0.41	-40.40	-76.61	-37.10	-18.73	20.31	58.78
L	1.19	3.67	40.26	2.01	1.00	1.83	13.24	5.94	1.19	1.17	3.93
SZA	152.80	121.01	83.59	46.59	22.51	44.98	81.16	117.91	150.46	149.98	116.73
MODE	A										



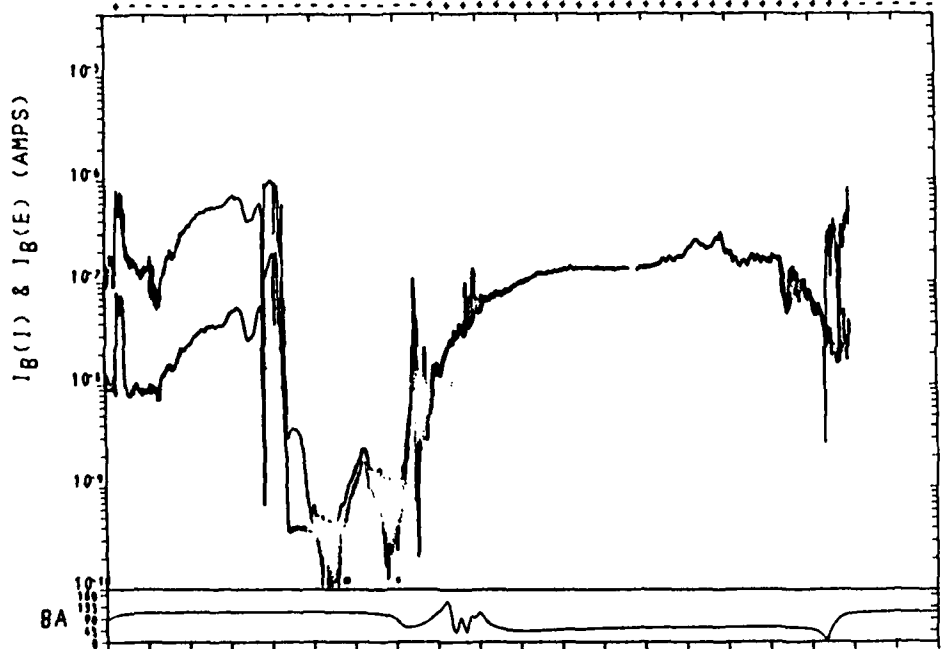








UT	1546:00	1556:00	1606:00	1616:00	1626:00	1636:00	1646:00	1656:00	1706:00	1716:00	1726:00
LT	0158:48	2251:34	2228:32	2208:25	2048:30	1113:45	1036:06	1017:21	0942:53	0029:25	2247:00
ALT	263.87	257.28	228.93	203.20	185.45	171.07	170.72	198.66	241.35	264.59	233.00
LAT	-82.14	-44.86	-4.98	3.28	75.07	61.74	21.08	-19.59	-59.65	-77.82	-39.18
LOW	152.62	103.31	95.05	8.52	65.04	278.85	266.94	259.75	248.63	107.77	79.66
MLAT	-82.23	-56.14	-15.97	24.65	65.65	72.79	31.50	-9.64	-50.41	-89.12	-48.77
L	37.04	3.77	1.03	1.26	8.23	12.39	1.42	1.09	2.45	98.14	2.57
SZA	102.48	138.05	157.23	131.38	94.40	56.74	25.52	35.70	70.69	107.72	142.63
MODE	A										



UT	2141:00	2151:00	2201:00	2211:00	2221:00	2231:00	2241:00	2251:00	2301:00	2311:00	2321:00
LT	0124:53	2250:18	2227:56	2207:30	2038:39	1111:23	1033:33	1016:46	0940:40	0018:19	2246:14
ALT	268.85	264.87	236.46	211.44	192.29	175.37	173.13	200.79	244.18	268.73	236.19
LAT	-81.86	-43.52	-3.46	36.71	76.29	60.46	19.81	-19.83	-60.88	-76.75	-40.01
LOW	55.37	14.52	6.13	38.52	33.81	189.49	178.03	150.83	159.31	16.22	350.70
MLAT	-80.37	-41.55	-0.81	39.96	80.34	56.73	13.35	-23.91	-66.66	-72.14	-51.95
L	14.78	1.58	1.10	1.44	8.53	3.32	1.09	1.26	9.48	6.86	1.78
SZA	103.89	139.27	156.96	130.22	93.23	55.66	24.99	36.59	71.76	108.76	143.47
MODE	A										

