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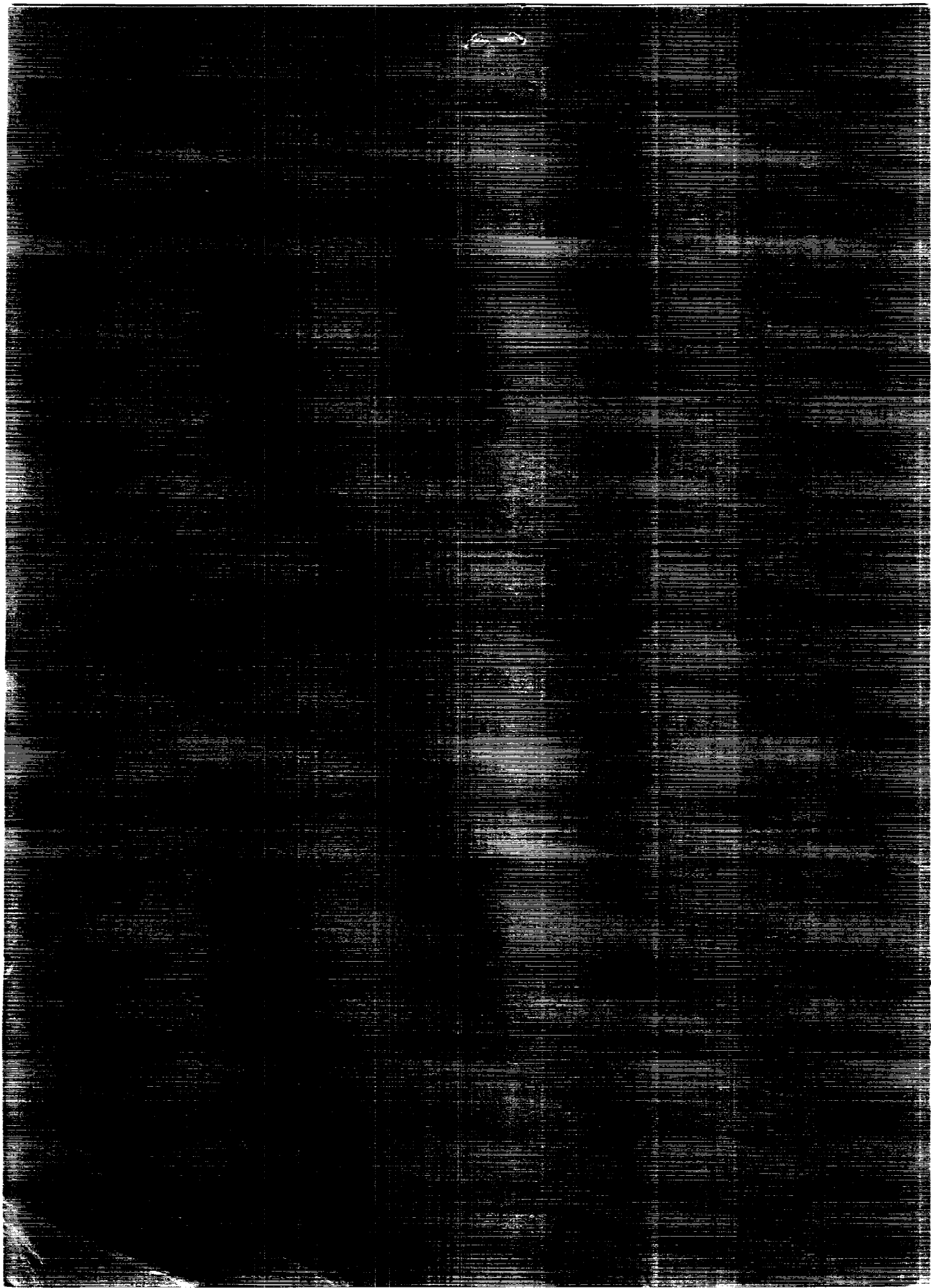
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The 1980 Solar Maximum Mission Event Listing

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CONTENTS

	Page
Introduction.....	1
Instrument Descriptions.....	3
Gamma Ray Spectrometer (GRS).....	3
Hard X-Ray Burst Spectrometer (HXRBS).....	5
Hard X-Ray Imaging Spectrometer (HXIS).....	9
X-Ray Polychromator (XRP).....	11
Ultraviolet Spectrometer and Polarimeter (UVSP).....	15
Coronagraph/Polarimeter (C/P).....	17
Ground-Based, Radio and GOES X-Ray Data Descriptions.....	19
Event List.....	25

INTRODUCTION

This document is an interexperiment compilation of solar burst activity observed by the Solar Maximum Mission (SMM) during the calendar year 1980. Data from the following instruments are included:

1. Gamma-Ray Spectrometer (GRS)
2. Hard X-Ray Burst Spectrometer (HXRBS)
3. Hard X-Ray Imaging Spectrometer (HXIS)
4. Flat Crystal Spectrometer (XRP-FCS)
5. Bent Crystal Spectrometer (XRP-BCS)
6. Ultraviolet Spectrometer and Polarimeter (UVSP)
7. Coronagraph/Polarimeter (C/P)

Also included are X-ray, radio, and optical data from the National Oceanic and Atmospheric Administration/U.S. Air Force solar observing network.

Several mission milestones affected data gathering. The following table documents those milestones:

- | | |
|-----------------------|--|
| 1. February 14, 1980 | - SMM launch. |
| 2. March 3, 1980 | - Light bulb on FCS crystal drive mechanism fails inhibiting crystal runs during 1980. |
| 3. June 1980 | - One HXIS microprocessor fails |
| 4. September 23, 1980 | - Final C/P image due to failure of the C/P Main Electronics Box. |
| 5. November 23, 1980 | - End of pointed observations due to Attitude Control System fuse failures. |

The SMM instruments had a wide range of spectral and temporal capabilities. Consequently, observed burst structure, timing, and evolution for a single event could differ greatly between the instruments, creating some ambiguities in correlating events. Additional ambiguities occurred when full disk instruments observed superposed bursts and limited field of view instruments observed only one source region.

Bursts observed by HXRBS formed the basis for this list. The instrument viewed the whole sun and high sensitivity data were taken continuously except during orbital night and South Atlantic Anomaly (SAA) passages. The HXRBS events were correlated with GOES X-ray, radio and optical data primarily by time coincidence, but also by burst magnitudes, profiles, and durations. Bursts observed by GRS and HXIS were then incorporated, followed by BCS and FCS detected events, supplying many additional bursts to the list. Most of these additional bursts were flares in which the impulsive phase was not observed due to night or SAA. Other low temperature events without high energy signatures, such as those related to filament disruptions, were also added (GOES X-ray, radio, and optical data were included for the new events). C/P coronal mass ejections were incorporated, but with few correlations with other SMM events. When ground-based H-alpha observers reported the likely source, this information was included. The UVSP experiment file was scanned, and information on

experiment modes, wavelength, etc. was added. Finally, the SMM computer pointing log was surveyed to provide the spacecraft location at the time of each event.

Every event observed during the mission has been assigned a unique event number, ranging between 1 and 12776 for events observed by HXRBS, and between 20001 and 22114 for events not observed by HXRBS. In this listing all information for each event is displayed in a multi-line block, one line per instrument. The first line gives the 'event time' (GOES peak time if available), the day of year (DOY) of the event, and the SMM pointing latitude, longitude, pitch, yaw, roll, and heliocentric angle. Lines for Optical, GOES, HXRBS, GRS, XRP-BCS, XRP-FCS, HXIS, UVSP, C/P, Radio (Sweep Frequency), and Radio (Discrete Frequency) data follow if the information is available. In addition, on a particular line, entries are printed only if the item of information is available. Some events that were catalogued as separate events may actually be part of another event. In these cases, the 'associated event' information is listed immediately after the 'primary event,' separated by a dashed line.

Each instrument team has compiled individual event listings, most of which include more data than recorded here. Requests for those listings should be addressed to the appropriate Principal Investigator. Requests for access to the computer file from which this listing was derived should be made to the SMM Project Scientist. Software for manipulation of this file resides on the SMM Data Analysis Center VAX computer.

Many individuals on each instrument team were involved in the generation of the data used in this document. Without their efforts this compilation would not have been possible. Particular acknowledgements are given to Lisa Pfanneschlag, Greg Einfalt, and Mary Miller for data entry, and to Gloria Wharen for her help in preparing the text. The descriptive text for each instrument was provided by the individual instrument team.

This compilation was derived from the in-house document "Solar Maximum Mission Event Listing," [Pryor et al., 1981] published through the SMM Data Analysis Center (DAC). The original list was reformatted, edited, and greatly expanded.

Gamma-Ray Spectrometer (GRS)

The Gamma-Ray Spectrometer [D.J. Forrest et al., Solar Physics 1980, 65, 15] was a wide field of view X-ray, gamma-ray and neutron spectrometer which recorded transient emissions of photons from 10 keV to > 100 MeV and neutrons above 50 MeV energy. High resolution energy spectra were recorded between 300 keV - 9 MeV photon energy with 16.384 s accumulation time. High time resolution at 1.024 and 2.048 s was available in some energy windows.

The following list of events includes only those solar flares found by specific search techniques. It should be kept in mind that this list may undergo modification as other search procedures and analysis approaches are used. The list does not include all possible events but only those for which there has been verification that an associated H-alpha solar flare occurred.

The events in the attached list were identified by a time dependent increase in the observed counting rate between 300 - 400 keV. This search is independently performed at two locations - Max Planck Institute (Garching) and Naval Research Laboratory. The procedure uses a combination of visual and computer based search techniques. The visual technique uses printouts (16 s average) of the counts in two X-ray channels, X23 + X24, and spectrometer channels (MC 10-30) between 298 - 445 keV. The computer technique uses a comparison of a predicted rate based on a running average with the observed rate to search for events with a large rate of change of count rate. Both techniques are more efficient for impulsive events.

Description of GRS entries:

1. Start time - expressed as hour:minute:second. All GRS times are based on 16.384 s Major Frame Pairs (MFP) required for a spectral accumulation between 0.3 and 9 MeV. Start time is the beginning time of the series of MFP which contain significant counts \geq 300 keV. Therefore, the times and durations may disagree with other observations by up to 16.384 s.
2. End time - expressed as hour:minute:second.
3. Max.E.MeV - the high-energy end of the channel band used for a power law spectral fit in MeV. The low-energy end of this band is always 300 keV. The high-energy end is determined by a statistical check of the data in 10 channel increments starting from the minimum required band channel 10 to 30. There may be gamma-ray emission above Max.E.
4. Nuclear.Line - Y indicates nuclear line evidence. This evidence is determined from the presence of excess counts in the 4 - 8 MeV band over that predicted from the power law fit made at lower energies, as described above.
5. >10MeV - Y indicates presence of excess counts in the High Energy Monitor which requires energy losses >10 MeV.

6. Neutrons - Y flags events for which there is strong evidence that GRS has recorded delayed counts from a flux of solar neutrons giving energy loss >10 MeV.
7. Dur - Duration of event in seconds (see warning note in description of start time above).

NOTE: The analysis of the SMM GRS data base is carried out by a collaboration between the University of New Hampshire, the Max Planck Institute, Garching FRG, and the Naval Research Laboratory.

Hard X-Ray Burst Spectrometer (HXRBS)

The Hard X-Ray Burst Spectrometer [L.E. Orwig, K.J. Frost, B.R. Dennis. Solar Physics 1980, 65, 25] was an actively-shielded CsI(Na) scintillation crystal with a sensitive area of 71 cm^2 and a circular field of view with a 40 degree FWHM. Thus, the whole sun was observed with no spatial information.

The basic scientific data from HXRBS consist of the counting rate recorded every 128 ms in each of 15 pulse-height channels. In-orbit calibration data showed that these channels covered the energy-loss range from 25 to 440 keV immediately after launch and then drifted slowly to higher energies since that time.

In addition to the 128 ms spectral data, an on-board circulating 32K-word memory stored count-rate data for the bigger flares with finer time resolution. The number of counts with a pulse-height between the bottom edge of channel 1 and the top edge of channel 15 was recorded in fine time intervals of 10, 5 or 1 ms as indicated by the flags "M", "M5" or "M1" respectively. The absolute time of all counting rate data is known to an accuracy of a few milliseconds, except where noted in the listing, thus allowing detailed comparisons to be made with other coincident observations.

Most of the events in this listing were discovered in the HXRBS data within a day after the observation. An average of about 90% of the SMM data was received at the Experimenters' Operations Facility at Goddard Space Flight Center a few hours after data transmission to the various ground stations. The 24-hour data base was scanned each day for flares by plotting the counting rate in channel 2 as a function of time with 16 s time resolution. A flare which produced a 10% increase in counting rate lasting for a few seconds could be reliably detected above the 12 counts s^{-1} background rate typically measured in channel 2. This corresponds to a detection threshold level of approximately $10^{-3} \text{ photons cm}^{-2} \text{ s}^{-1} \text{ keV}^{-1}$ at 30 keV. Once an event had been discovered in this way, a standard plot of counting rate versus time was made with the counts in all 15 channels added together. Generally, a time resolution of 1.024 s was used for this plot with a time scale of 1 or 2 minutes per inch depending on the duration of the event. (Photographic copies of these particular plots are produced on microfiche and are available from the National Space Science Data Center, Code 601, NASA/GSFC, Greenbelt, MD 20771.)

Each legitimate event was given a number, referred to as the HXRBS event number, that uniquely identifies the burst. The event numbers generally follow a chronological sequence, as most events were identified within 24 hours of their occurrence. A few bursts, however, were only discovered several months later upon scanning through the complete data set provided on magnetic tape by the Information Processing Division (IPD) at GSFC. These IPD flares are flagged in the listing with the letter "I," and their event numbers are generally out of chronological sequence.

The event number, the start time, the peak time and the duration are given for every event in the listing. These times are generally accurate to approximately 5 s. The peak counting rate summed over all 15 channels is also listed. This rate was obtained from a rate versus time plot with a time resolution of 1.024 s. It is the total rate including the pre-flare background rate of about 40 counts s⁻¹ as indicated in Figure 1. For the larger flares, i.e. those with peak rates exceeding 100 counts s⁻¹ and/or durations of greater than 200 s, the total number of counts recorded during the flare in excess of the pre-flare background is also listed. This gives an indication of the overall size of the burst.

A comprehensive listing of all events detected with HXRBS from launch to December 1987 is provided in "The Hard X-ray Burst Spectrometer Event Listing 1980 - 1987" [B.R. Dennis et al., NASA Technical Memorandum 4036], and a complete event listing covering the entire mission will be published as a NASA Technical Memorandum in the spring of 1991.

Description of HXRBS entries:

1. Start time - expressed as hour:minute:second.
Peak time - expressed as hour:minute:second.
End time - expressed as hour:minute:second.
2. Peak...c/s - peak rate in counts per second. This is the total rate in the full energy range covered by the instrument (channels 1-15) and does not have the pre-flare background rate subtracted (see Figure 1).
3. Qual - Quality code as defined below:
 - 1- Entire event observed
 - 2 - Start of event not observed
 - 3 - End of event not observed
 - 4 - Start and end of event not observed
 - 11 - Entire event observed, but data missing due to night, SAA or other causes.
 - 12 - Start of event not observed and data missing during event
 - 13 - End of event not observed and data missing during event
 - 14 - Start and end of event not observed and data missing during event
4. Tot Cts - Total Counts, represents the integrated number of counts detected with HXRBS during the flare in excess of the pre-flare rate (see Figure 1).
5. MaxkeV - the high energy edge in keV of the highest channel showing any increase in rate during the flare.

6. **FLAGS** - the definitions of the letters in this column are as follows:
- M Memory data available with 10 ms time resolution.
 - M1 Memory data available with 1 ms time resolution.
 - M5 Memory data available with 5 ms time resolution.
 - I Event discovered well after the event time, in data provided by the Information Processing Division.
 - SN Event started in spacecraft night.
 - EN Event ended in spacecraft night.
 - IN Event interrupted by spacecraft night.
 - SA Event started when SMM was in the South Atlantic Anomaly (SAA).
 - ES Event ended when SMM was in the SAA.
 - IS Event interrupted by the SAA.
 - SG Event started in a data gap.
 - EG Event ended in a data gap.
 - DG Data gaps during event.
 - AX Event is probably the result of passage through trapped charged particles.
 - ND Noisy data.
 - NS Possible non-solar event.
 - FS Event contains one or more fast spikes with durations of less than one second.
 - EW Experiment status file contains wrong on-time information.
 - GB Event is a Gamma-Ray Burst.
 - + Insufficient space to print all existing flags.

NOTE: The presence of an asterisk following the HXRBS header line indicates the following conditions for the following events:

HXRBS Events	Comments
1223	Times on flare optical disk are low by 4m 30s.

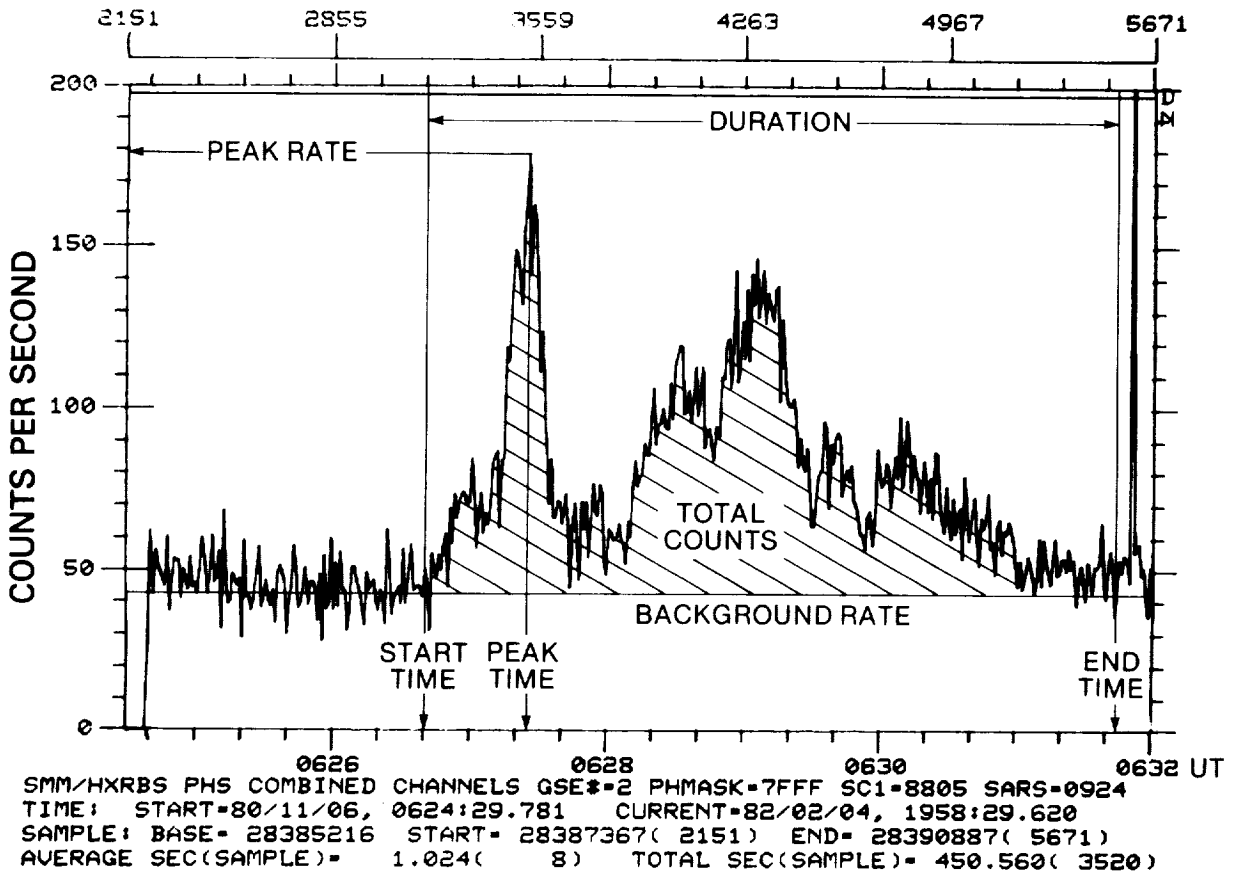


FIGURE 1: A standard plot of a hard X-ray burst (HXRBS event #1544) showing the rate of counts in channels 1 through 15 versus Universal Time. The time resolution is 1.024 s, the time scale is 1 inch per minute, and the counting rate is corrected for instrument dead time. The start time, peak time, end time, duration, peak rate, and total number of counts are indicated as they are determined for inclusion in the event listing.

Hard X-Ray Imaging Spectrometer (HXIS)

The Hard X-Ray Imaging Spectrometer [van Beek et al., Solar Physics 1980, 65, 39] sent back X-ray images of solar flares up to the time the attitude control system failed on November 22, 1980.

The data consist of six independent energy intervals, with boundaries at 3.5, 5.5, 8.0, 11.5, 16, 22 and 30 keV. Images in each energy band were accumulated simultaneously, and transmitted on a timescale of 7.68s, 1.54s or around 4s, depending on the flare status. Each image element, or pixel, is continuously sensitive, unlike instruments that build up their image by rastering over the field of view. With an accumulation time of 7.68s, all pixels were transmitted; in the primary flare mode, only the brightest pixels in the coarse and fine fields of view were transmitted, together with the high energy monitor in the highest energy band and limited data from the slits. The intermediate mode was adjusted occasionally throughout the mission, but typically had a known duration of around 4s, which was adequate to observe every pixel with an intensity above background for virtually all flares. The high time resolution flare mode was triggered by an increase in detected x-ray photons in the energy interval 3.5-5.5 keV. The threshold was adjusted occasionally during the mission. Similarly, the length of time spent in each of the higher time resolution modes was adjusted.

The instrument had two fields of view, with their centers co-aligned, of 2'40" x 2'40" and 6'24" x 6'24", respectively. The smaller field of view had a pixel size of 8" x 8" (fine), and the larger field of view had a pixel size of 32" x 32" (coarse). The corners of both fields of view were not transmitted. In addition there were 16" fan beam slit collimators covering orthogonal directions over the fine field of view.

A high energy monitor with a thick entrance window to eliminate contamination from lower energy photons increased the sensitivity at the high energy end of the range; however, this had no spatial resolution. Two radioactive sources were monitored continuously throughout the mission. These were used to monitor, and adjust if necessary, the gain of the instrument. They were also used for the dead-time correction, which must be applied to the data for large flares.

The event listing is based on those events which triggered the flare mode of the instrument at the current threshold. There are many hundreds of smaller events which were observed below this threshold. Any analysis performed on the intensity during large events must be corrected for dead-time.

If a large or energetic event occurred outside the field of view, there may have been some response to high energy photons leaking through the collimator. Such events are easily identified as they show enhanced data with a random, haphazard image, especially in the higher energy bands.

After June, 1980 only one of the two HXIS microprocessors was operational. Data after this time consequently suffers from a 50% duty cycle.

Description of HXIS entries:

1. Peak time - time the maximum counting rate was reached in the 3.5-5.5 keV energy band.
2. Peak...c/s - peak rate in counts per second in the 3.5-5.5 keV energy band. The published rates and times are not corrected for dead-time, so the larger flares may be subject to this correction.

X-Ray Polychromator (XRP)

The primary objective of the X-Ray Polychromator [Acton et al., Solar Physics 1980, 65, 53] was to study the physical conditions in the corona for a variety of solar phenomena. This was achieved through the use of two complementary instruments: the Bent Crystal Spectrometer (BCS), which continuously monitored the spatially integrated high temperature flux from flares, and the Flat Crystal Spectrometer (FCS), which could image an area of up to 7 arcminutes square in six bright spectral lines simultaneously, or make rapid scans over a wide wavelength range or at high resolution across individual line complexes. XRP gathered data during the peak of solar cycle 21 (February to November 1980), during its decline (following the in-orbit repair of SMM in April 1984), and through the rise phase of cycle 22, until November 1989, when spacecraft fine-pointing was lost prior to reentry.

The XRP experiment was conceived to observe the spectral region between 1.4 and 22.4 Å. In the temperature regime of solar active regions and flares (2 - 50 million K), this region exhibits a rich emission-line spectrum. The experiment was especially prepared to take advantage of the plasma diagnostic opportunity offered by the spectra of helium-like ions and their satellites [Gabriel and Jordan, in McDaniel and McDowell (eds.), Case Studies in Atomic Collisions 1972, (Amsterdam:North-Holland), 2, 209]; [Dubau and Volonte, Rep. Prog. Phys. 1980, 43, 199].

The BCS had eight bent Bragg crystal spectrometers with position-sensitive detectors covering important X-ray lines of highly-ionized calcium and iron. It was collimated to 6 arcminutes FWHM and was capable of changing its time resolution from 11 s to less than 0.5 s by using dynamic memory and sacrificing spectral coverage or resolution. The BCS was sensitive to the high-temperature ($T > 10$ million K) component of the flare plasma; the data are used to determine electron temperature, emission measure, dynamics, and elemental abundances of the plasma, and to look for nonequilibrium effects. For large events, the measured BCS count rates must be corrected for a dead time of about 40 microseconds, part of which depends on the position of photons along the anode. At sufficiently high count rates, (e.g., from GOES mid-X class flares), spectral distortion resulted. At lower rates, there was a simple suppression of the count rate. The suppression was a 10% effect at about 2550 counts s^{-1} (corresponding to about a GOES class M4 flare). The maximum observable count rate in BCS Channel 1 was 8760 counts s^{-1} , corresponding to an incident rate of 23800 counts s^{-1} .

The FCS had seven Bragg crystal spectrometers that could be scanned in wavelength over a broad spectral range. At the "home position" of the wavelength drive, each of seven channels could monitor the emission from a prominent soft X-ray line. An additional channel produced a coarse-resolution solar white light image which could be used for coregistration. The FCS was sensitive to a wide range of temperature (2 million K $< T < 70$ million K) and hence could detect everything from quiescent active regions to flares. By scanning

its wavelength drive, the FCS could access an even wider range of soft X-ray lines and measure Doppler broadenings and shifts. However, electrical and mechanical problems with the FCS wavelength drive limited its ability to take spectra. (In 1980 only four FCS experiments involving wavelength scans were run; about 400 were run throughout the mission.) The FCS isolated specific areas in the corona for study by using its narrow 14 arcsecond collimation.

The XRP Event Listing catalogues soft X-ray flares detected by the BCS instrument. For each event, the Start Time, Peak Time, and End Time in BCS Channel 1 (the Ca XIX channel) are given. The Start Time occurred when the BCS Ca XIX count rate rose above the background level up to 18 counts s^{-1} and the End Time occurred when the event decayed back to that threshold. (Near threshold or for multiple events, these times are necessarily somewhat arbitrary, and depend on the exact integration time used.) However, some event times were determined by orbital sunrise or sunset, where the flare started before satellite day or was prematurely ended by satellite night. If an event reached its peak during orbital night, or during SAA passage when the XRP detectors did not operate, the maximum level observed during satellite day and the time of that maximum are listed. The peak rate includes all counts recorded in the channel, uncorrected for background or dead time. The peak times and peak rates in the low-resolution Fe XXV channel (BCS Channel 4) are also given, even if these are not above background level. (A valid Ca XIX event may not have a corresponding valid event in the hotter Fe XXV channel.)

The FCS entries in the XRP Event Listing should be used with care. An event observed by the BCS was not necessarily observed by the FCS, even if the FCS was operating. The FCS could have been pointed away from the flare site at the time of the event, in a "sit and stare" mode (in which the raster drive was at rest), or in a spatial raster which did not include the flare site or did not sample the flare site at the time of the flare. The quoted FCS peak time is often the starting time of the most recent FCS raster map; this is given only if the raster duration included a BCS peak time, but no check was made on whether the flare site was included in the raster. If the FCS was in a "sit and stare" mode, the location was typically either the brightest pixel of a previous FCS raster map, or the FCS boresight, neither of which was necessarily the flare site. Thus, the quoted peak intensity may not be associated with the flare itself; it could simply be the maximum intensity in a raster map, a peak in "sit and stare" lightcurve data taken at a location possibly other than the flare site, or a peak in spectral data associated with scanning a bright emission line.

NOTE: The count rates and times in the XRP Event Listing should not be used directly for analysis, but rather as a guide for selecting data for a given study. Any analysis program should refer to the original data. Particular care should be used in dealing with Event Listing entries with rates near the 18 counts s^{-1} threshold. Furthermore, derivation of physical parameters from BCS spectra for events with less than about 50 counts s^{-1} may be difficult.

Description of XRP-BCS Entries:

1. Start Time - expressed as hour:minute:second.
2. Peak Time - expressed as hour:minute:second.
3. End Time - expressed as hour:minute:second.
4. Ca Peak..c/s - peak BCS Ca XIX channel count rate in counts s^{-1} .
5. QUAL - quality code from 1 to 8, indicating completeness of the observation:
 - 1 - entire event observed
 - 2 - only start of event observed
 - 3 - start and peak of event observed
 - 4 - peak and decay of event observed
 - 5 - only decay of event observed
 - 6 - no data, or bad data
 - 7 - only rise and decay observed (e.g., peak lost due to SAA)
 - 8 - only peak observed (including 20% rise and 20% decay)
6. FePeak - time of maximum count rate in Channel 4 (Fe XXV low resolution channel), not necessarily above the background level.
7. Fe Peak..c/s - peak BCS channel 4 (Fe XXV) count rate in counts s^{-1} , not necessarily above the background level.
8. # peaks - number of peaks in Ca XIX observed, where intensities changed by at least 20%.
9. dt - BCS accumulation time in seconds.
10. XEN - XRP event number.

Description of XRP-FCS Entries:

1. Peak Time - expressed as hour:minute. Note caveats above on relating this time to BCS event.
2. Peak3 - FCS Detector #3 (Mg XI channel) peak intensity in counts s^{-1} . Note caveats above on relating this intensity to the BCS event.
3. Rast - raster size in arcseconds. Note: Rast=0"x0" denotes a "sit and stare" mode with the raster drive at rest.
4. Step - raster step size in arcseconds (also the image pixel size). Possible step sizes were 5", 10", 15", or 20". Note: Step=0" implies a "sit and stare" mode.
5. Cad (cadence) - duration of the FCS mode, e.g., the time to complete one raster (in seconds if < 10000 sec, in minutes if > 10000 sec); this is also the repeat time for a series of like rasters.
6. s/pixel - dwell time in seconds at each pixel in the raster.

For additional data information, there is a computer-accessible XRP Master Event File. This is an unformatted, indexed file containing all the catalogued information on flares observed by XRP. All records are 512 bytes in length arbitrarily divided into two sections of 256 bytes each. The first section contains event data, while the second contains comments. The first section includes a number of Key fields (approximately 20). The file can be searched with reference to any one of these keys.

Ultraviolet Spectrometer and Polarimeter (UVSP)

The Ultraviolet Spectrometer and Polarimeter [Woodgate et al., Solar Physics 1980, 65, 73] on SMM consisted of a Gregorian telescope, a polarimeter consisting of two retarders and a linear polarizer, an Ebert-Fastie spectrograph, and five photomultiplier detectors (four used in second order, 1170 - 1780Å and one in first order, 1780 - 3600Å). The telescope secondary was rasterable in 1" or greater increment steps over a field of view of 256" x 256", and a novel slit wheel offered a choice of 22 sets of entrance apertures and four or five corresponding exit slits. UVSP was thus able to sample several spectral lines simultaneously (or nearly so), or, by use of beamsplitting prisms behind the exit slits, to obtain Doppler velocity information in one or two spectral lines. The wavelength drive allowed stepping of the spectrograph grating in increments of approximately 5 mÅ (in second order). Detector gating could be as short as 32 ms. In normal operations, all of the mechanisms were controlled by a 4096-word (16-bit) computer, which allowed the definition of a broad variety of experiment sequences. A Coalignment Adjustment System (CAS) allowed offsetting the entire UVSP for better alignment with other instruments of independent pointing.

Description of UVSP entries:

Unlike the entries of the higher energy instruments, the UVSP event list entries describe whatever the instrument was doing during the time of the flare, regardless of whether or not the flare was observed by UVSP. The data in each entry consist of:

1. Start time - Experiment start time (UT) expressed in hour:minute.
2. Wavelength - in Å, good to the nearest 4Å (second order). If the experiment involved moving the wavelength drive, this is the initial (shortest) wavelength of the sequence.
3. Code - Time code indicating the following:
 - 0 - experiment includes the time of peak GOES emission
 - 1 - experiment includes ten minutes before the GOES peak
 - 2 - experiment includes ten minutes after the GOES peak
4. Exp # - UVSP experiment number. Each UVSP experiment is identified by a unique number, that in turn identifies the disk or tape file containing the data: data from experiment *nnnnn* will be found in playback (final data) file *Vnnnnn.PB (.FD)*.
5. Rast - total size of the raster pattern, or, for a single pixel experiment, the aperture size, in arcseconds. The first dimension is North - South (spacecraft Y-axis, UVSP x-axis), the second, East - West (spacecraft Z-axis, UVSP y-axis).

6. Step - secondary mirror step size, in arcseconds; zero for experiments in which the secondary mirror was not rastered ("sit and stare" experiments).
7. Pitch, Yaw - Raster center coordinates relative to disk center; these will differ from spacecraft pointing only when CAS motions have offset UVSP relative to the spacecraft boresight.

Coronagraph/Polarimeter (C/P)

The High Altitude Observatory Coronagraph/Polarimeter [R.M. MacQueen et al., Solar Physics 1980, 65, 91] as an externally occulted, white-light coronagraph which recorded the solar coronal radiance from Thomson-scattered electrons (through a broad-band filter, 500-535 nm wavelength) and the presence of hydrogen alpha emission from cool ejecta at the solar limb (through a 654.3-658.3 nm filter). Images were recorded in total intensity and in three different planes of linear polarization. Images were obtained in a time cadence as rapid as once per several minutes or as infrequently as several times per orbit.

The list of coronal mass ejections stems from a visual examination of all video images obtained by C/P and analyzed by direct video display. Consecutive images were "toggled" and changes in the corona were readily apparent to the viewer in most cases. In the more obscure cases, images were digitally subtracted pixel-by-pixel from an earlier base image, thereby enhancing faint or subtle changes that occurred during the time between the images. A complete listing of SMM mass ejections is provided in "A Catalogue of Mass Ejections Observed by the Solar Maximum Mission Coronagraph" [O.C. St. Cyr and J.T. Burkepile, NCAR Technical Note 352 1990].

Any user of the information on the C/P list should be aware that it is derived from two-dimensional images and thus represents a "projection" onto a plane normal to the sun-earth line. In particular, measured position angles can be directly converted to solar latitudes only for structures near the solar limb. Measured speeds are similarly components projected on a plane.

Description of C/P entries:

1. Start time - expressed in hour:minute. The 'start' time is the time of the earliest coronagraph image on which the primary structure identified as the mass ejection (for example, a bright loop) is visible within the coronagraph field of view.
2. PA - the location of the event center described in position angle, measured in the conventional sense (from solar north to east). The center is calculated as the mid-point between the position angles of the bright edges of the mass ejection "primary structure" at its greatest extent.
3. Extrapolated Start Time - An extrapolated start time can be determined for those mass ejections with speed measurements. A linear least-squares fit of the event's data points on a time versus height plot yields the speed directly. The intersection of the line with altitude one R_{sun} (i.e. the solar limb) produces an extrapolated departure time. The extrapolated start time thus represents an estimate of the time of the initiation of the mass ejection, assuming an initial altitude of one R_{sun} and assuming a constant velocity.

4. Comments - some entries also include comments on the visual appearance of the event. More comprehensive descriptions of each event are available from HAO.

Ground-Based, Radio, and GOES X-Ray Data

Most of the ground-based and all radio and GOES X-ray data were supplied by the NOAA/USAF network observatories and geosynchronous sensors. When no ground-based data on a particular event was available from the network, the Solar and Geophysical Data Prompt and Comprehensive Reports issued by the World Data Center-A were consulted.

Optical flare correlations were based primarily on time coincidence with instrument-detected events. Locations given indicate flare site, not SMM pointing. SMM pointing information, when available, is supplied elsewhere in the entry. Multiple optical flare reports are listed when other regions produced flares in coincidence with the instrument-detected event. The first optical event listed is that which best corresponds to the SMM-detected event. There are also entries indicating multiple bursts detected by the SMM instruments for single optical and soft X-ray flares.

The following descriptions and definitions should aid in deciphering the ground based data. For more comprehensive definitions consult the pamphlet "Descriptive text - Contents of Preliminary Report and Forecast of Solar-Geophysical Data Activity", available from the Space Environment Services Center (SESC) at the address below:

NOAA/SEL R/E/SE2
325 Broadway
Boulder, CO 80303-2238

Description of optical entries:

1. H α Classification - Indicates size and brightness of flare in the form XY where X is one of the following area codes:

- S - Subflare (area < 2.0 sq. degrees)
- 1 - Importance 1 (2.1 \leq area \leq 5.1 sq. degrees)
- 2 - Importance 2 (5.2 \leq area \leq 12.4 sq. degrees)
- 3 - Importance 3 (12.5 \leq area \leq 24.7 sq. degrees)
- 4 - Importance 4 (area \geq 24.8 sq. degrees)

and Y is one of the following brightness codes:

- F - faint
- N - normal
- B - brilliant

For non-flare reports, the following codes are used to describe the event:

- BSL - Bright surge on limb
- LPS - Loop prominence system
- ASR - Active surge region
- SPY - Spray
- EPL - Eruptive prominence on limb
- APR - Active prominence on limb

2. Location - Location of the flare in heliographic coordinates.
3. Region # (AR) - SESC-assigned active region number.
4. MacIntosh sunspot classification (Mac.) - Three letter descriptive code (Zpc) indicating white light configuration of sunspot group:
 - Z - Modified Zurich class A through H
 - p - Describes penumbra of largest spot in group:
 - x = no penumbra
 - r = rudimentary
 - s = symmetric
 - a = small asymmetric
 - h = large symmetric
 - k = large asymmetric
 - c - Sunspot distribution:
 - x = single spot
 - o = open
 - i = intermediate
 - c = compact
5. Heliocentric angle (H.Ang.) - Value in degrees of the angular displacement between the optical flare location and the actual Sun center point.
6. Carrington Longitude (Carr.Lon.) - Carrington Longitude in degrees of the optical flare location.

Description of discrete frequency radio burst entries:

1. Flux unit peak value above pre-burst background at frequencies of 245, 415, 606, 1415, 2695, 4995, 8800, and 15400 MHz.
 1 flux unit = $10^{-22} \text{ Wm}^{-2}\text{Hz}^{-1}$

Description of sweep frequency radio event entries:

1. Type and intensity of dynamic radio events in the 25-75 MHz range.

Type codes are:

Type I - Long lived dekametric continuum burst

Type II - Slow drift burst

Type III - Fast drift burst

Type IV - Broadband smooth continuum burst

Type V - Brief continuum burst associated with Type III

Intensity codes are:

1 - minor

2 - significant

3 - major

Description of GOES entries:

1. Start time - expressed in hour:minute. Start time of X-ray burst (based on one minute averages of 3 second data).
2. Peak time - expressed in hour:minute.

3. End time - expressed in hour:minute. Time when flux level decays to point halfway between maximum level and pre-flare background.
4. Importance - Classification of burst according to peak energy in Wm^{-2} , 1-8Å band. Form of code is Zn where Z is:
 - A - $< 10^{-7}$
 - B - $10^{-7} < 10^{-6}$
 - C - $10^{-6} < 10^{-5}$
 - M - $10^{-5} < 10^{-4}$
 - X - $> 10^{-4}$
 and n is a numerical multiplier from 1 to 9. Thus, a C3 burst indicates a peak flux of $3 \times 10^{-6} \text{ Wm}^{-2}$.
5. Quality Code (Qual) - the code indicates where the GOES X-ray bursts occur in relation to SMM day/night transitions and passages through the South Atlantic Anomaly:
 - 0 - No correlation of event with GOES data
 - 1 - Entire event observed
 - 2 - Only start of event observed
 - 3 - Start and peak of event observed
 - 4 - Peak and fall of event observed
 - 5 - Only decay of event observed
 - 6 - No GOES data available during event

1980 SOLAR MAXIMUM MISSION EVENT LISTING

80/02/19		DOY=50	
Event # = 1			
80/02/19, 07:55	DOY=50		
Start	Peak		
Optical		SMM Pointing:	
GOES 07:45	07:55	Ha...Class=1N	
HXRB 07:46:50	07:49:35	Importance=C7	
Radio	Frequency(MHz)/Flux(sfu):	4995/253 8800/513	
		End times	
		08:24	
		07:55:32	
		Peak...c/s=177	
		Tot Cts=20080	
		MaxkeV=71	
		Carr. Lon.=325deg	
		Pitch=+0", Yaw=+0", Roll=-32deg	
		H. Ang=0deg	
		H. Ang=50deg	
		AR2287	
		S10E51	
		Qual=01	
		S07W00	
		80/02/21	
		DOY=52	
Event # = 2			
80/02/21, 03:24	DOY=52		
Start	Peak		
Optical		SMM Pointing:	
GOES 03:18	03:24	Ha...Class=1B	
HXRB 03:21:21	03:22:00	Importance=C3	
		Peak...c/s=210	
		End times	
		03:49	
		03:22:38	
		Tot Cts=13967	
		MaxkeV=71	
		Mac.=C	
		Carr. Lon.=323deg	
		Pitch=+3", Yaw=+2", Roll=-27deg	
		H. Ang=0deg	
		H. Ang=29deg	
		AR2287	
		S11E29	
		Qual=03	
		S07W00	
		80/02/21	
		DOY=52	
Event # = 4			
80/02/21, 04:48	DOY=52		
Start	Peak		
Optical		SMM Pointing:	
GOES 04:46	04:48	Ha...Class=1B	
HXRB 04:47:03	04:47:38	Importance=C1	
		Peak...c/s=67	
		End times	
		04:50	
		04:47:54	
		Qual=01	
		Qual=01	
		N32W45	
		80/02/21	
		DOY=52	
Event # = 3			
80/02/21, 17:13	DOY=52		
Start	Peak		
Optical		SMM Pointing:	
GOES 17:10	17:13	Ha...Class=SN	
HXRB 17:12:40	17:12:45	Importance=C1	
		Peak...c/s=65	
		245/66	
		End times	
		17:24	
		17:13:20	
		Qual=01	
		Qual=01	
		S10E18	
		AR2287	
		S07W00	
		80/02/22	
		DOY=53	
Event # = 5			
80/02/22, 19:07	DOY=53		
Start	Peak		
Optical		SMM Pointing:	
GOES 18:59	19:07	Ha...Class=SN	
HXRB 19:02:00	19:04:35	Importance=C3	
		Peak...c/s=145	
		End times	
		19:27	
		19:05:00	
		Qual=01	
		Qual=01	
		N12E90	
		AR2292	
		S07W00	
		80/02/23	
		DOY=54	
Event # = 20001			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	
		End times	
		Qual=00	
		S17W11	
		80/02/23	
		DOY=54	
Event # = 20739			
80/02/23, 10:48	DOY=54		
Start	Peak		
GOES		SMM Pointing:	
HXIS	10:48	Peak...c/s=16	

80/02/29		DOY=60	
Event # = 18	80/02/29, 07:34	DOY=60	
Start	07:31	Peak	07:38
GOES	07:31	07:34	07:38
HXRBS	07:33:10	07:33:46	07:34:10
UVSP	07:33		
SMM Pointing: S21E23			
Importance=C2			
Peak...c/s=176			
WaveLength=1561A			
Code=00			
Tot Cts=3091			
Exp #=220			
Pitch=+239", Yaw=+354", Roll=0deg			
H. Ang=26deg			
MaxkeV=72			
Rast=120"x120"			
Step=3" Pitch=-3", Yaw=+401"			
80/03/02		DOY=62	
Event # = 19	80/03/02, 03:13	DOY=62	
Start	03:06	Peak	03:12
GOES	03:06	03:12	03:18
HXRBS	03:06:48	03:06:52	03:07:38
BCS	03:06	03:12	03:24
FCS			
UVSP	02:45		
Radio Sweeps		Type/Intensity:	
Radio	Frequency (MHz)/Flux(sfu):	410/26	606/15
SMM Pointing: S31W02			
Ha...Class=IF			
Importance=C4			
Peak...c/s=84			
CaPeak.c/s=40			
Qual=1			
FePeak=03:12			
Exp #=245			
Carr. Lon.=199deg			
H. Ang=24deg			
MaxkeV=50			
FePeak.c/s=16			
Rast=0"x0"			
Rast=180"x1"			
#Peaks=1 dt= 9.1s			
Step=0" Cad=.26s			
Step=0" Pitch=-239", Yaw=-31"			
80/03/02		DOY=62	
Event # = 20	80/03/02, 04:53	DOY=62	
Start	04:50	Peak	04:57
GOES	04:50	04:53	04:57
HXRBS	04:46:10	04:46:40	04:47:50
UVSP	04:20		
SMM Pointing: S31W02			
Importance=C2			
Peak...c/s=56			
WaveLength=1553A			
Code=01			
Tot Cts=2311			
Exp #=253			
Carr. Lon.=284deg			
H. Ang=11deg			
MaxkeV=50			
Rast=180"x1"			
Step=0" Pitch=-239", Yaw=-31"			
80/03/02		DOY=62	
Event # = 21	80/03/02, 19:06	DOY=62	
Start	19:00	Peak	19:07
GOES	19:00	19:06	19:07
HXRBS	19:05:20	19:05:40	19:06:05
UVSP	18:45		
Radio Sweeps		Type/Intensity:	
Radio	Frequency (MHz)/Flux(sfu):	245/330	410/49
SMM Pointing: S04E11			
Ha...Class=SN			
Importance=C2			
Peak...c/s=160			
WaveLength=1337A			
Code=01			
Tot Cts=2311			
Exp #=253			
Carr. Lon.=284deg			
H. Ang=72deg			
MaxkeV=72			
Rast=180"x1"			
Step=0" Pitch=-287", Yaw=+158"			
80/03/03		DOY=63	
Event # = 22	80/03/03, 20:51	DOY=63	
Start	20:49	Peak	20:51
GOES	20:49	20:51	20:52
HXRBS	20:50:25	20:51:30	20:51:55
UVSP	20:21		
Radio Sweeps		Type/Intensity:	
Radio	Frequency (MHz)/Flux(sfu):	245/130	410/29
SMM Pointing: S11W17			
Importance=C2			
Peak...c/s=160			
WaveLength=1233A			
Code=01			
Tot Cts=3708			
Exp #=274			
Carr. Lon.=284deg			
H. Ang=17deg			
MaxkeV=94			
Rast=180"x1"			
Step=0" Pitch=-197", Yaw=-191"			
80/03/04		DOY=64	
Event # = 23	80/03/04, 01:24	DOY=64	
Start	01:19	Peak	01:24
GOES	01:19	01:24	01:26
HXRBS	01:21:53	01:22:02	01:24:23
SMM Pointing: S09W17			
Importance=C3			
Peak...c/s=90			
Qual=01			
Tot Cts=1273			
MaxkeV=51			
Pitch=+41", Yaw=-278", Roll=0deg			
H. Ang=17deg			

Event # = 38		80/03/18		DOY=78	
80/03/18,23:25	DOY=78	SMM Pointing:		Pitch=+2",Yaw=+2",Roll=0deg	
Start	Peak	S07W00		H.Ang=0deg	
End times		Qual=00			
GOES	23:24:30	23:25:00	23:26:10	Tot Cts=100	MaxkeV=51
HRBS					
Event # = 39		80/03/19		DOY=79	
80/03/19,03:19	DOY=79	SMM Pointing:		Pitch=+4",Yaw=+4",Roll=0deg	
Start	Peak	S07W00		H.Ang=0deg	
End times		S19W65		H.Ang=64deg	
Optical	03:18	03:19	03:21	AR2343	Mac.=D
GOES	03:18	03:19	03:20		MaxkeV=52
HRBS	03:19:20	03:19:40	03:20:00		
Radio Sweeps	Type/Intensity:				
Event # = 40		80/03/19,08:09		DOY=79	
80/03/19,08:09	DOY=79	SMM Pointing:		Pitch=+4",Yaw=+3",Roll=0deg	
Start	Peak	S07W00		H.Ang=0deg	
End times		S25E06		H.Ang=19deg	
Optical	08:05	08:09	08:11	AR2339	Mac.=E
GOES	08:05	08:06	08:08:10		MaxkeV=218
HRBS	08:05:45	08:06:40	08:08:10	Tot Cts=68580	Flags=M
Radio	Frequency(MHz)/Flux(sfu):		606/340 1415/61 2695/55 4995/100 8800/150		
Event # = 41		80/03/19,14:39		DOY=79	
80/03/19,14:39	DOY=79	SMM Pointing:		Pitch=+330",Yaw=+82",Roll=0deg	
Start	Peak	S27E05		H.Ang=21deg	
End times		S25W03		H.Ang=18deg	
Optical	14:35	14:39	14:41	AR2339	Carr.Lon.=353deg
GOES	14:35	14:39	14:41		MaxkeV=52
HRBS	14:36:30	14:40:20	14:42:40	Tot Cts=3930	FePeak.c/s=18
BCS	14:38	14:41	14:44	FePeak=14:39	Rast=0"x0"
FCS	Frequency(MHz)/Flux(sfu):		245/42 410/21 606/120 1415/62 2695/25 4995/20 8800/14		XEN=7901
Radio					Step=0" Cad=.26s
Event # = 42		80/03/19,17:36		DOY=79	
80/03/19,17:36	DOY=79	SMM Pointing:		Pitch=+329",Yaw=+2",Roll=0deg	
Start	Peak	S27W00		H.Ang=20deg	
End times		S27E05		H.Ang=21deg	
Optical	17:30	17:36	17:39	AR2339	Carr.Lon.=343deg
GOES	17:30	17:36	17:39		MaxkeV=52
HRBS	17:36:00	17:37:20	17:41:20	Tot Cts=5300	FePeak.c/s=55
BCS	17:29	17:39	17:50	FePeak=17:38	Rast=0"x0"
FCS	Frequency(MHz)/Flux(sfu):		245/42 410/21 606/120 1415/62 2695/25 4995/20 8800/14		XEN=7903
Radio					Step=0" Cad=.26s
Event # = 20024		80/03/20		DOY=80	
80/03/20,09:11	DOY=80	SMM Pointing:		Pitch=+331",Yaw=-99",Roll=0deg	
Start	Peak	S27W07		H.Ang=21deg	
End times		Qual=00			
GOES	09:11	PA=11deg		Blob with irregular front	
C/P					
Event # = 20026		80/03/20,18:56		DOY=80	
80/03/20,18:56	DOY=80	SMM Pointing:		Pitch=+333",Yaw=-146",Roll=0deg	
Start	Peak	S27W10		H.Ang=22deg	
End times		Qual=00			
GOES	18:37	WaveLength=1403A		Exp #=601	
UVSP	18:56	PA=231deg		Rast=28"x28" Step=4" Pitch=+351",Yaw=-121"	
C/P					

80/03/21		DOY=81	
Event # = 43			
80/03/21,01:47	DOY=81		
Start	Peak		
Optical		SMM Pointing:	S27W13
			Pitch=+330", Yaw=-198", Roll=0deg
			H. Ang=24deg
			Mac.=F
			Carr. Lon.=353deg
			H. Ang=29deg
			MaxkeV=52
			Rast=28"x28"
			Step=4" Pitch=+351", Yaw=-185"
			Exp #=605
			Code=00
			Wavelength=1403A
			Type/Intensity: III/2 V/I
			Frequency(MHz)/Flux(sfu): 245/400 606/29 1415/22
			AR2339
			Flags=I
			MaxkeV=52
			Pitch=+333", Yaw=-294", Roll=0deg
			H. Ang=27deg
			Qual=01
			Qual=01
			Code=APR
			PA=231deg
			PA=231deg
			Code=APR
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Event # = 49
 80/03/25,01:31 DOY=85
 Start Peak S27W64 SMM Pointing: H. Ang=64deg
 Optical Ha...Class=SB Carr. Lon.=353deg
 GOES 01:23 01:31 01:38 Qual=01 AR2339
 HXRBS 01:24:00 01:24:30 01:25:00 Peak...c/s=68 Qual=01
 BCS 01:25 01:31 01:40 CaPeak...c/s=57 FePeak=01:31
 FCS 01:38 01:38 01:40 Peak3...c/s=67
 HXIS 01:25 01:25 01:25 Peak...c/s=111
 UVSP 01:03 01:03 01:03 Wavelength=1520A Code=00 Exp #=710
 Pitch=+385", Yaw=-777", Roll=0deg
 MaxkeV=52
 FePeak.c/s=15 dt= 6.0s XEN=8501
 Rast=0"x0" Cad=.26s 0.256s/pixel
 Rast=6"x6" Step=3" Pitch=+382", Yaw=-812"

Event # = 50
 80/03/25,01:54 DOY=85
 Start Peak S27W64 SMM Pointing: H. Ang=64deg
 Optical Ha...Class=1N AR2341
 GOES 01:45 01:54 02:00 Qual=03
 HXRBS 01:49:30 01:49:50 01:54:00 Peak...c/s=130 Qual=01
 UVSP 01:03 01:03 01:03 Wavelength=1520A Code=00 Exp #=710
 Pitch=+385", Yaw=-777", Roll=0deg
 MaxkeV=74
 Rast=6"x6" Step=3" Pitch=+382", Yaw=-812"

Event # = 51
 80/03/25,04:31 DOY=85
 Start Peak S27W66 SMM Pointing: H. Ang=65deg
 Optical Ha...Class=1B AR2339
 GOES 04:26 04:31 04:39 Qual=01
 HXRBS 04:26:00 04:28:30 04:29:10 Peak...c/s=520 Qual=01
 BCS 04:27 04:30 04:37 CaPeak...c/s=162 Qual=1
 FCS 04:32 04:32 04:32 Peak3...c/s=1404
 HXIS 04:29 04:29 04:29 Peak...c/s=361
 UVSP 04:30 04:30 04:30 Wavelength=1520A Code=00 Exp #=714
 C/P 04:53 Extrap St=03/25,04:25 PA=240deg
 Radio Sweeps Type/Intensity: III/I
 Radio Frequency(MHz)/Flux(sfu): 245/130 410/30 606/5
 HXRBS 04:49:37 04:49:40 04:50:07 Peak...c/s=78 Associated Event # = 52
 Qual=01
 Pitch=+387", Yaw=-784", Roll=0deg
 MaxkeV=192
 FePeak.c/s=48 XEN=8504
 Rast=0"x0" Cad=.26s 0.256s/pixel
 Rast=6"x6" Step=3" Pitch=+425", Yaw=-751"

Event # = 53
 80/03/25,13:53 DOY=85
 Start Peak N08E04 SMM Pointing: H. Ang=16deg
 Optical Ha...Class=SF AR2358
 GOES 13:49 13:53 14:05 Qual=04 AR2359
 HXRBS 13:50:00 13:53:00 13:54:00 Peak...c/s=65 Qual=01
 Pitch=-250", Yaw=+64", Roll=0deg
 Mac.=CA0 Carr. Lon.=214deg
 MaxkeV=52 Carr. Lon.=213deg

Event # = 54
 80/03/25,14:06 DOY=85
 Start Peak N08E04 SMM Pointing: H. Ang=16deg
 Optical Ha...Class=SF AR2342
 GOES 14:05 14:06 14:16 Qual=01
 HXRBS 14:05:10 14:05:27 14:05:40 Peak...c/s=63 Qual=01
 Pitch=-250", Yaw=+64", Roll=0deg
 Mac.=A Carr. Lon.=294deg
 MaxkeV=52

Event # = 77
 80/03/28, 22:01 DOY=88 SMM Pointing: N22E44 Pitch=-427", Yaw=+620", Roll=0deg H. Ang=51deg
 Start Peak End times
 Optical
 GOES 21:55 22:01 22:09 Ha...Class=1B N09W04 AR2357 Mac.=EAO Carr. Lon.=231deg H. Ang=16deg
 HXRBS 21:57:20 21:59:10 22:05:40 Importance=M4 N10E11 Tot Cts=2.57E+5 MaxkeV=305 Flags=FS
 UVSP 21:59 Type/Intensity: V/3 WaveLength=1535A Code=00 Exp #=826 Rast=3"x3" Pitch=0" Step=0" Yaw=+632"
 Radio Sweeps
 Radio Frequency (MHz)/Flux(sfu): 245/8200 410/3200 606/19000 1415/2400 2695/150 4995/73 8800/280 15400/270
 UVSP 22:04 WaveLength=1547A Associated Event # = 20656 Rast=120"x120" Step=3" Pitch=-422", Yaw=+624"
 C/P 22:13 PA=212deg Irregular structured blob

80/03/29, 01:27 DOY=89 SMM Pointing: N21E42 Pitch=-427", Yaw=+600", Roll=0deg H. Ang=50deg
 Start Peak End times
 Optical
 GOES 01:18 01:27 01:35 Ha...Class=1B N27E04 AR2363 H. Ang=34deg
 HXRBS 01:09:00 01:11:00 01:15:00 Ha...Class=SW N10E11 AR2361 H. Ang=20deg
 BCS 01:08 01:26 01:56 Peak...c/s=77 Qual=01 Tot Cts=1966 MaxkeV=74 #Peaks=2 dt= 6.0s XEN=8901
 FCS 01:33 CaPeak.c/s=179 Qual=01 FePeak=01:26 FePeak.c/s=35 Step=0" Cad=.26s
 HXIS 01:27 Peak3.c/s=677 Peak...c/s=242 Rast=120"x120" Step=3" Pitch=-422", Yaw=+604"
 UVSP 01:16 WaveLength=1547A Code=00 Exp #=833 MaxkeV=52
 HXRBS 01:25:00 01:25:30 01:27:00 Associated Event # = 79

Event # = 80
 80/03/29, 03:32 DOY=89 SMM Pointing: N21E42 Pitch=-427", Yaw=+601", Roll=0deg H. Ang=50deg
 Start Peak End times
 Optical
 GOES 03:27 03:32 03:36 Ha...Class=1B N09W09 AR2357 H. Ang=18deg
 HXRBS 03:29:10 03:29:30 03:31:40 Importance=C2 Qual=04 Tot Cts=3031 MaxkeV=143
 UVSP 02:53 Peak...c/s=280 Qual=01 Exp #=836 Rast=120"x120" Step=3" Pitch=-422", Yaw=+604"
 Radio Sweeps
 Radio Frequency (MHz)/Flux(sfu): 245/500 410/74 606/510 1415/8

Event # = 81
 80/03/29, 04:42 DOY=89 SMM Pointing: N21E40 Pitch=-427", Yaw=+580", Roll=0deg H. Ang=48deg
 Start Peak End times
 Optical
 GOES 04:36 04:42 04:46 Ha...Class=SF N09W10 AR2357 H. Ang=19deg
 HXRBS 04:36:50 04:37:20 04:37:40 Importance=C1 Qual=01 Tot Cts=508 MaxkeV=52
 UVSP 04:28 Peak...c/s=100 Qual=01 Exp #=839 Rast=120"x120" Step=3" Pitch=-422", Yaw=+584"
 Radio Sweeps
 Radio Frequency (MHz)/Flux(sfu): 245/500 410/74 606/510 1415/8
 HXRBS 04:46:40 04:47:00 04:47:10 Associated Event # = 82
 UVSP 04:46:40 04:47:00 04:47:10 Peak...c/s=97 Qual=01 Tot Cts=410 MaxkeV=74

Event # = 83
 80/03/29, 05:58 DOY=89 SMM Pointing: N21E40 Pitch=-427", Yaw=+581", Roll=0deg H. Ang=49deg
 Start Peak Carr. Lon.=233deg H. Ang=19deg
 Optical Ha...Class=1B AR2357
 GOES 05:53 05:58 06:04 Impotence=C5 Qual=01
 HXRBS 05:54:50 05:55:40 05:59:40 Peak...c/s=109 Qual=01 Tot Cts=3038
 UVSP 05:45 05:55:40 05:59:40 Wavelength=1547A Code=00 Exp #=840 Rast=240"x240" Step=3" Pitch=-482", Yaw=+524"
 Radio Sweeps Type/Intensity:
 Radio Frequency (MHz)/Flux(sfu): 245/3300 410/170 606/97 1415/6
 UVSP 06:00 Associated Event # = 20657
 C/P 06:01 Wavelength=1535A Exp #=841 Rast=3"x3" Step=0" Pitch=-460", Yaw=+619"
 PA=345deg

Event # = 84
 80/03/29, 06:04 DOY=89 SMM Pointing: N21E40 Pitch=-427", Yaw=+581", Roll=0deg H. Ang=49deg
 Start Peak Carr. Lon.=233deg H. Ang=19deg
 Optical Ha...Class=1B AR2357
 GOES 06:03:50 06:04:10 06:04:30 Peak...c/s=140 Qual=00
 HXRBS 06:03:50 06:04:10 06:04:30 Wavelength=1547A Code=00 Exp #=842 Tot Cts=600
 UVSP 06:05 06:04:10 06:04:30 Wavelength=1547A Code=00 Exp #=842 Rast=120"x120" Step=3" Pitch=-422", Yaw=+584"
 Radio Sweeps Type/Intensity:
 Radio Frequency (MHz)/Flux(sfu): 245/3300 410/170 606/97 1415/6
 UVSP 06:00 Associated Event # = 20657
 C/P 06:01 Wavelength=1535A Exp #=841 Rast=3"x3" Step=0" Pitch=-460", Yaw=+619"
 PA=345deg

Event # = 85
 80/03/29, 07:36 DOY=89 SMM Pointing: N21E39 Pitch=-427", Yaw=+559", Roll=0deg H. Ang=47deg
 Start Peak Carr. Lon.=178deg H. Ang=54deg
 Optical Ha...Class=SN AR2363
 GOES 07:33 07:36 07:40 Impotence=C3 Qual=02
 HXRBS 07:35:50 07:36:15 07:38:30 Peak...c/s=900 Qual=01 dt= 3.0s XEN=8906
 BCS 07:36 07:38 07:41 CaPeak.c/s=152 Qual=1 FePeak=07:38 Cad=.26s 0.256s/pixel
 FCS 07:36 07:38 07:41 Peak3...c/s=834 Code=00 Exp #=844 Rast=0"x0" Step=0" Pitch=-502", Yaw=+569"
 UVSP 07:35 07:40 Wavelength=1535A Code=00 Exp #=844 Rast=3"x3" Step=0" Pitch=-502", Yaw=+569"
 Radio Frequency (MHz)/Flux(sfu): 606/120 8800/120

Event # = 86
 80/03/29, 08:19 DOY=89 SMM Pointing: N21E39 Pitch=-427", Yaw=+559", Roll=0deg H. Ang=47deg
 Start Peak Carr. Lon.=178deg H. Ang=54deg
 Optical Ha...Class=SN AR2363
 GOES 08:15 08:19 08:24 Impotence=C4 Qual=03
 HXRBS 08:15:30 08:16:43 08:17:00 Peak...c/s=135 Qual=01 Tot Cts=1167
 UVSP 07:40 Wavelength=1548A Code=00 Exp #=845 Rast=120"x120" Step=3" Pitch=-422", Yaw=+564"
 Radio Frequency (MHz)/Flux(sfu): 245/130 410/160 606/240 1415/14

Event # = 87
 80/03/29, 09:26 DOY=89 SMM Pointing: N21E39 Pitch=-427", Yaw=+560", Roll=0deg H. Ang=47deg
 Start Peak Carr. Lon.=179deg H. Ang=53deg
 Optical Ha...Class=SB AR2363
 GOES 09:15 09:26 09:28 Impotence=C9 Qual=04
 HXRBS 09:17:00 09:18:13 09:20:30 Peak...c/s=19000 Qual=01 Tot Cts=2.50E+5 MaxkeV=461
 GRS 09:17:40 09:18:29 Max.E..MeV= 0.4 Nuclear.Line=N FePeak.c/s=170 dt= 3.0s Dur=49sec
 BCS 09:17 09:19 09:28 CaPeak.c/s=467 Qual=1 FePeak=09:19 Step=15" Cad= 410s XEN=8908
 FCS 09:22 09:22 09:28 Peak3...c/s=1865 Code=00 Exp #=848 Rast=300"x300" Step=15" Cad= 410s 1.024s/pixel
 HXIS 09:15 09:19 09:28 Peak...c/s=404 Code=00 Exp #=848 Rast=120"x120" Step=3" Pitch=-422", Yaw=+564"
 UVSP 09:15 09:19 09:28 Wavelength=1547A Code=00 Exp #=848 Rast=120"x120" Step=3" Pitch=-422", Yaw=+564"
 C/P 10:39 PA=40deg
 Radio Frequency (MHz)/Flux(sfu): 245/830 410/260 606/650 1415/130 2695/52 4995/140 8800/850 15400/960

Event # = 88		80/03/29, 09:41		DOY=89		SMM Pointing:		N21E39		Pitch=-427", Yaw=+560", Roll=0deg		H. Ang=47deg	
Optical		Start		Peak		Ha...Class=SN		N27E42		Carr. Lon.=179deg		H. Ang=53deg	
GOES		09:39		09:41		Importance=C7		Qual=01		Mac.=EKI			
HXRBS		09:40:05		09:41:23		Peak...c/s=680		Qual=01		MaxkeV=143			
UVSP		09:15		09:42:35		Wavelength=1547A		Code=00		Rast=120"x120"		Step=3" Pitch=-422", Yaw=+564"	
Radio		Frequency (MHz)/Flux (sfu):		410/1100		606/72		1415/1800		2695/43		4995/55	
8800/990													
Event # = 89		80/03/29, 09:56		DOY=89		SMM Pointing:		N21E39		Pitch=-427", Yaw=+560", Roll=0deg		H. Ang=47deg	
Optical		Start		Peak		Ha...Class=SB		N07W10		Carr. Lon.=231deg		H. Ang=17deg	
GOES		09:53		09:56		Importance=M1		Qual=03		Mac.=DSO			
HXRBS		09:54:40		09:55:15		Peak...c/s=8000		Qual=03		Tot Cts=1.20E+5		Flags=EN	
GKS		09:55:05		09:55:38		Max.E..MeV= 0.8		Code=01		Nuclear.Line=N		Neutrons=N	
UVSP		09:15		09:55:38		Wavelength=1547A		Code=01		Rast=120"x120"		Step=3" Pitch=-422", Yaw=+564"	
Radio Sweeps		Type/Intensity:		V/3								Dur=33sec	
Radio		Frequency (MHz)/Flux (sfu):		245/170		410/790		606/2900		1415/12000		2695/110	
8800/370												15400/380	
Event # = 90		80/03/29, 10:42		DOY=89		SMM Pointing:		N21E37		Pitch=-427", Yaw=+537", Roll=0deg		H. Ang=45deg	
Optical		Start		Peak		Importance=C1		Qual=01		MaxkeV=52			
GOES		10:40		10:42		Peak...c/s=56		Qual=01		Rast=240"x240"		Step=3" Pitch=-482", Yaw=+504"	
HXRBS		10:42:30		10:42:40		Wavelength=1547A		Code=00		Tot Cts=598			
UVSP		10:32		10:43:10		Wavelength=1547A		Code=00		Exp #=849			
Radio		Frequency (MHz)/Flux (sfu):		245/94		410/200		606/330					
Event # = 20659		80/03/29, 10:48		DOY=89		SMM Pointing:		N21E37		Pitch=-427", Yaw=+537", Roll=0deg		H. Ang=45deg	
Optical		Start		Peak		Wavelength=1535A		Qual=06		Exp #=850			
GOES		10:47		10:48		PA=235deg				Step=0"		Pitch=-499", Yaw=+550"	
HXRBS		10:47		10:48									
UVSP		10:48		10:15									
C/P		Extrap		St=03/29, 10:15									
Event # = 91		80/03/29, 12:17		DOY=89		SMM Pointing:		N21E37		Pitch=-427", Yaw=+537", Roll=0deg		H. Ang=45deg	
Optical		Start		Peak		Peak...c/s=96		Qual=00		MaxkeV=52			
GOES		12:16:40		12:17:00		Wavelength=1547A		Qual=01		Rast=240"x240"		Step=3" Pitch=-482", Yaw=+482"	
HXRBS		12:09		12:17:00						Exp #=852			
UVSP		12:09		12:17:00									
Event # = 92		80/03/29, 12:26		DOY=89		SMM Pointing:		N21E37		Pitch=-427", Yaw=+537", Roll=0deg		H. Ang=45deg	
Optical		Start		Peak		Importance=C1		Qual=01		MaxkeV=52			
GOES		12:15		12:26		Peak...c/s=71		Qual=01		FePeak.c/s=8		#Peaks=1	
HXRBS		12:07:50		12:08:10		CaPeak.c/s=24		Qual= 5		Rast=0"x0"		Step=0"	
BCS		12:09		12:11		Peak3..c/s=191		Code=00		Cad=.26s		XEN=8910	
FCS		12:09		12:09		Wavelength=1535A		Code=00		Pitch=-499", Yaw=+538"		0.256s/pixel	
UVSP		12:22		12:22									
Radio		Frequency (MHz)/Flux (sfu):		245/1400		410/23		2695/16					

Event # = 103		80/03/30, 03:04		D0Y=90	Pitch=-483", Yaw=+459", Roll=0deg		H. Ang=44deg
Optical	Start	End times	Peak	SMM Pointing:			Mac.=EKI Carr. Lon.=182deg
G0ES	03:00	03:07	03:04	Ha...Class=SN	N25E32	AR2363	H. Ang=43deg
HXRBS	03:02:20	03:04:10	03:02:40	Importance=C2	N26E29		
BCS	03:02	03:07	03:04	Peak...c/s=140	Qual=01		
FCS			03:05	CaPeak.c/s=39	Qual=1		
UVSP	02:50			Peak3..c/s=242	Code=00	Exp #=881	
Radio	Frequency(MHz)/Flux(sfu):			245/76 410/200			
Event # = 104		80/03/30, 03:20		D0Y=90	Pitch=-483", Yaw=+459", Roll=0deg		H. Ang=44deg
Optical	Start	End times	Peak	SMM Pointing:			Mac.=EKI Carr. Lon.=182deg
G0ES	03:14	03:31	03:20	Ha...Class=SF	N25E32	AR2363	H. Ang=43deg
HXRBS	03:22:20	03:22:50	03:22:35	Importance=C1	N26E29		
UVSP	02:50			Peak...c/s=82	Qual=01		
Radio	Frequency(MHz)/Flux(sfu):			410/36 606/380			
Event # = 20597		80/03/30, 07:36		D0Y=90	Pitch=-483", Yaw=+413", Roll=0deg		H. Ang=41deg
G0ES	07:36	07:37	07:36	SMM Pointing:			
BCS				CaPeak.c/s=22	N24E28		
UVSP	07:33			WaveLength=1402A	Qual=06	FePeak=07:36	XEN=9004
Event # = 20611		80/03/30, 07:39		D0Y=90	Pitch=-483", Yaw=+413", Roll=0deg		H. Ang=41deg
G0ES	07:39	07:39	07:39	SMM Pointing:			
BCS				CaPeak.c/s=19	N24E28		XEN=9005
UVSP	07:33			WaveLength=1402A	Qual=1	Exp #=888	XEN=9005
Event # = 105		80/03/30, 07:44		D0Y=90	Pitch=-483", Yaw=+413", Roll=0deg		H. Ang=41deg
Optical	Start	End times	Peak	SMM Pointing:			Mac.=EKI Carr. Lon.=179deg
G0ES				Ha...Class=SF	N24E28	AR2363	H. Ang=41deg
HXRBS	07:49:15	07:50:00	07:50:10	Peak...c/s=62	N22E30		
BCS	07:42	07:44	07:48	CaPeak.c/s=30	Qual=06		
FCS		07:45		Peak3..c/s=244	Qual=1		
UVSP	07:33			WaveLength=1402A		Exp #=888	
Event # = 20091		80/03/30, 14:06		D0Y=90	Pitch=-483", Yaw=+390", Roll=0deg		H. Ang=40deg
G0ES	13:52			SMM Pointing:			
UVSP	14:06	13:35		WaveLength=1402A	N24E26		
C/P		Extrap		PA=64deg	Qual=00	Exp #=896	

Event # = 106						
80/03/30	15:24	DOY=90	SMM Pointing:	M26E26	Pitch=-504", Yaw=+381", Roll=0deg	H. Ang=41deg
Start	Peak	End times	Importance=C1	Qual=04		
GOES	15:14	15:32	Peak...c/s=134	Qual=01	MaxkeV=97	
HXRBS	15:25:00	15:26:40		Tot Cts=1980		
UVSP	Pitch=-572", Yaw=+322"					
Radio Sweeps						
Type/Intensity:			III/2 V/3			
Frequency(MHz)/Flux(sfu):			245/130 410/130 606/170 4995/14 8800/28			
Event # = 20092						
80/03/30	16:55	DOY=90	SMM Pointing:	M26E26	Pitch=-504", Yaw=+381", Roll=0deg	H. Ang=41deg
Start	Peak	End times	Ha...Class=SN	AR2363	Mac.=EKI	H. Ang=40deg
Optical			Importance=C2	Qual=05	Carr. Lon.=176deg	
GOES	16:50	16:58	CaPeak.c/s=62	FePeak=16:55	#Peaks=1	XEN=9009
BGS	16:55	17:00	Peak3...c/s=17	Rast=0"x0"	Step=0"	Cad=3840s
FCS	16:55	16:55	Peak...c/s=98			3840s/pixel
HXIS	16:55	16:55				
UVSP						Pitch=-563", Yaw=+313"
Event # = 107						
80/03/30	18:46	DOY=90	SMM Pointing:	S06W01	Pitch=-5", Yaw=-9", Roll=0deg	H. Ang=1deg
Start	Peak	End times	Ha...Class=SN	N13W11	Mac.=DAO	H. Ang=22deg
Optical			Importance=SB	N10W13	Carr. Lon.=214deg	
GOES	18:39	18:49	Importance=C2	Qual=01	Carr. Lon.=216deg	H. Ang=21deg
HXRBS	18:41:10	18:41:50	Peak...c/s=194	Qual=01	Flags=ND	
UVSP	18:41:10	18:46:10		Tot Cts=3931	MaxkeV=120	
Radio Sweeps						
Type/Intensity:			245/210			
Frequency(MHz)/Flux(sfu):			245/210			
Event # = 108						
80/03/30	20:49	DOY=90	SMM Pointing:	M26E23	Pitch=-506", Yaw=+342", Roll=0deg	H. Ang=39deg
Start	Peak	End times	Ha...Class=SN	N11W16	Mac.=DAO	H. Ang=24deg
Optical			Importance=C1	Qual=01	Carr. Lon.=217deg	
GOES	20:46	20:54	Peak...c/s=190	Qual=01	MaxkeV=143	
HXRBS	20:49:15	20:49:45		Tot Cts=1416		
UVSP	20:49:15	20:50:10				
Radio Sweeps						
Type/Intensity:			V/2			
Frequency(MHz)/Flux(sfu):			245/210 410/280 606/300			
Event # = 109						
80/03/31	01:18	DOY=91	SMM Pointing:	M26E22	Pitch=-508", Yaw=+328", Roll=0deg	H. Ang=39deg
Start	Peak	End times	Ha...Class=SF	AR2363	Mac.=EKI	H. Ang=36deg
Optical			Importance=C2	Qual=01	Carr. Lon.=183deg	
GOES	01:14	01:21	Peak...c/s=210	Tot Cts=1933	MaxkeV=120	
HXRBS	01:15:35	01:17:40	CaPeak.c/s=38	FePeak=01:19	FePeak.c/s=11	XEN=9101
BGS	01:17	01:20	Peak3...c/s=451	Step=15"	dt= 3.0s	
FCS	01:19	01:20	Peak...c/s=64	Step=15"	Cad= 147s	
HXIS	01:20	01:20	Wavelength=1548A	Code=00	Exp #=914	
UVSP	00:59	01:17	III/1			
Radio Sweeps						
Type/Intensity:			Pitch=-455", Yaw=+325"			

Event # = 20094
 80/03/31,03:31 DOY=91 Pitch=-509",Yaw=+303",Roll=0deg H.Ang=38deg
 Start Peak
 GOES 03:33 End times
 BCS 03:30 03:31 Qual=01
 UVSP 02:37 03:31 Exp #=916 Rast=8"x8" Step=4" Pitch=-455",Yaw=+316"
 Type/Intensity: III/I
 SMM Pointing: N26E20
 Importance=C1
 CaPeak.c/s=21
 Wavelength=1548A Code=00

Event # = 20096
 80/03/31,10:31 DOY=91 Pitch=-508",Yaw=+253",Roll=0deg H.Ang=36deg
 Start Peak
 Optical
 GOES 10:26 10:31 End times
 BCS 10:31 10:31 AR2363 H.Ang=35deg
 FCS 10:31 10:31 FePeak=10:31 XEN=9103
 UVSP 10:32 10:31 Exp #=929 Rast=120"x120" Cad=147s 1.024s/pixel
 Wavelength=1331A Code=02
 SMM Pointing: N26E17
 Ha...Class=SN
 Importance=C3
 CaPeak.c/s=33
 Peak3..c/s=419
 Wavelength=1331A Code=02

Event # = 110
 80/03/31,11:25 DOY=91 Pitch=-508",Yaw=+263",Roll=0deg H.Ang=36deg
 Start Peak
 Optical
 GOES 11:23 11:25 End times
 HXRBS 11:23:40 11:24:10 AR2363 H.Ang=35deg
 BCS 11:24 11:25 AR2360 H.Ang=41deg
 FCS 11:24 11:26 FePeak=11:25 Tot Cts=6761
 UVSP 10:39 11:24 FePeak=11:25 Rast=120"x120" Cad=147s 1.024s/pixel
 Radio Frequency(MHz)/Flux(sfu): 410/2300 606/440 1415/28 2695/22 4995/28 8800/120
 SMM Pointing: N26E18
 Ha...Class=SN
 Ha...Class=SN
 Importance=C2
 Peak...c/s=500
 CaPeak.c/s=29
 Peak3..c/s=551
 Wavelength=1350A Code=00

Event # = 35
 80/03/31,11:29 DOY=91 Pitch=-508",Yaw=+263",Roll=0deg H.Ang=36deg
 Start Peak
 Optical
 GOES 11:27 11:31 End times
 HXRBS 11:29:10 11:29:30 AR2359 H.Ang=28deg
 BCS 11:28 11:29 FePeak=11:29 Tot Cts=2615
 FCS 11:29 11:29 FePeak=11:29 Rast=120"x120" Cad=147s 1.024s/pixel
 UVSP 10:39 11:29 Exp #=931 Rast=120"x10" Step=3" Pitch=-534",Yaw=+173"
 Wavelength=1350A Code=00
 SMM Pointing: N26E18
 Ha...Class=SN
 Importance=C2
 Peak...c/s=280
 CaPeak.c/s=61
 Peak3..c/s=341
 Wavelength=1350A Code=00

Event # = 20661
 80/03/31,17:00 DOY=91 Pitch=-538",Yaw=+208",Roll=0deg H.Ang=37deg
 Start Peak
 GOES 16:56 17:00 Exp #=942 Rast=240"x240" Step=3" Pitch=-599",Yaw=+155"
 UVSP 17:00 Extrap St=03/31,14:55 PA=136deg
 C/P
 SMM Pointing: N28E14
 Wavelength=1547A
 PA=136deg
 Qual=00
 Circular loop, sharp interior spike

Event # = 880
 80/03/31,17:07 Start DOY=91 Peak
 Optical SMM Pointing: N28E14 Pitch=-538", Yaw=+208", Roll=0deg H. Ang=37deg
 GOES 17:04 17:07 17:12 17:12 17:12 17:12 Ha...Class=SB N26E10 Carr. Lon. = 180deg H. Ang=34deg
 HXRBS 17:08:30 17:07:39 17:09:10 17:09:10 17:09:10 17:09:10 Importance=C3 Qual=01
 BCS 17:06 17:07 17:09 17:09 CaPeak...c/s=214 Qual=01 Tot Cts=1673
 FCS 17:08 17:08 17:09 17:09 Peak3...c/s=103 Qual=1 FePeak=17:07
 HXIS 17:08 17:08 17:08 17:08 Wavelength=1547A Code=00 Exp #=942
 UVSP 16:56 17:05:15 17:05:22 17:05:28 17:05:28 Peak...c/s=82 Assoc. Event # = 111
 HXRBS 17:06:40 17:07:04 17:07:44 17:07:44 Wavelength=1547A Code=00 Exp #=942
 HXRBS 17:06:40 17:07:04 17:07:44 17:07:44 Peak...c/s=130 Assoc. Event # = 204
 HXRBS 17:06:40 17:07:04 17:07:44 17:07:44 Peak...c/s=1049 Assoc. Event # = 204

80/04/01 DOY=92
 Event # = 112
 80/04/01,03:04 Start DOY=92 Peak
 Optical SMM Pointing: N28E07 Pitch=-546", Yaw=+107", Roll=0deg H. Ang=35deg
 GOES 03:00 03:04 03:06 03:06 03:06 03:06 Ha...Class=SN N29E06 Carr. Lon. = 175deg H. Ang=36deg
 HXRBS 03:00:25 03:00:50 03:01:15 03:01:15 Importance=C1 Qual=01
 UVSP 02:50 03:00:25 03:00:50 03:01:15 Peak...c/s=70 Qual=01 Tot Cts=240
 Radio Sweeps Type/Intensity: III/I Wavelength=1547A Code=00 Exp #=962

Event # = 113
 80/04/01,09:45 Start DOY=92 Peak
 Optical SMM Pointing: N25W00 Pitch=-502", Yaw=-1", Roll=0deg H. Ang=31deg
 GOES 09:42 09:45 09:54 09:54 09:54 09:54 Ha...Class=SN N29E06 Carr. Lon. = 175deg H. Ang=36deg
 HXRBS 09:43:10 09:43:40 09:44:48 09:44:48 Importance=C1 Qual=01 Tot Cts=1190
 UVSP 09:14 09:43:10 09:43:40 09:44:48 Peak...c/s=70 Qual=01 Exp #=974
 Radio Frequency(MHz)/Flux(sfu): 8800/21 Wavelength=1547A Code=00

Event # = 114
 80/04/01,15:26 Start DOY=92 Peak
 Optical SMM Pointing: N25W00 Pitch=-502", Yaw=-1", Roll=0deg H. Ang=31deg
 GOES 15:19 15:26 15:30 15:30 15:30 15:30 Ha...Class=IN N29E02 Carr. Lon. = 176deg H. Ang=36deg
 HXRBS 15:24:25 15:25:45 15:28:30 15:28:30 Importance=C1 Qual=01 Tot Cts=12800
 BCS 15:26 15:28 15:29 15:29 CaPeak...c/s=200 Qual=01 FePeak=15:28
 FCS 15:27 15:27 15:27 15:27 Peak3...c/s=135 Qual=1
 UVSP 15:22 15:22 15:22 15:22 Wavelength=1550A Code=00 Exp #=984
 Radio Frequency(MHz)/Flux(sfu): 245/120 410/210 606/35 4995/32 8800/22

Event # = 115
 80/04/01,15:42 Start DOY=92 Peak
 Optical SMM Pointing: N25W00 Pitch=-502", Yaw=-1", Roll=0deg H. Ang=31deg
 GOES 15:37 15:42 15:58 15:58 15:58 15:58 Ha...Class=SF N30E02 Carr. Lon. = 176deg H. Ang=37deg
 HXRBS 15:39:55 15:41:05 15:43:15 15:43:15 Importance=C1 Qual=01 Tot Cts=1240
 UVSP 15:41 15:41 15:41 15:41 Peak...c/s=72 Qual=01 Exp #=986
 UVSP 15:41 15:41 15:41 15:41 Wavelength=1550A Code=00

Event # = 116																							
80/04/01 20:19	DOY=92																				Pitch=-508" , Yaw=-45" , Roll=0deg	H. Ang=32deg	
	Start	Peak	End times																				
GOES 20:14	20:19	20:19	20:25	Importance=C3																			
HXRBS 20:17:00	20:18:30	20:29:00		Peak...c/s=110																	Step=0" Pitch=-468" , Yaw=-17"		
UVSP 20:17				WaveLength=1230A																			
Radio	Frequency(MHz)/Flux(sfu) :				410/120																		
Event # = 117																							
80/04/01 22:02	DOY=92																				Pitch=-508" , Yaw=-66" , Roll=0deg	H. Ang=32deg	
	Start	Peak	End times																				
GOES 21:56	22:02	22:09	22:09	Importance=C2																			
HXRBS 21:59:20	22:00:00	22:01:50		Peak...c/s=72																			
UVSP	Frequency(MHz)/Flux(sfu) :				80/04/02																		
80/04/02 02:55	DOY=93																						
	Start	Peak	End times																				
GOES 02:53	02:55	02:56	02:56	Importance=C1																			
HXRBS 02:54:40	02:55:00	02:55:20		Peak...c/s=78																			
UVSP 02:36				WaveLength=1237A																			
	Frequency(MHz)/Flux(sfu) :				80/04/02																		
Event # = 118																							
80/04/02 04:21	DOY=93																						
	Start	Peak	End times																				
Optical				SMM Pointing:																	Pitch=-505" , Yaw=-94" , Roll=0deg	H. Ang=32deg	
GOES 04:13	04:21	04:25	04:25	Importance=C2																			
HXRBS 04:16:10	04:16:40	04:21:50		Peak...c/s=160																			
BGS 04:16	04:21	04:23	04:23	CaPeak.c/s=39																			
FCS	04:19			Peak3...c/s=144																			
UVSP 04:11				WaveLength=1237A																			
	Frequency(MHz)/Flux(sfu) :				80/04/02																		
Event # = 119																							
80/04/02 09:05	DOY=93																						
	Start	Peak	End times																				
Optical				SMM Pointing:																	Pitch=-506" , Yaw=-118" , Roll=0deg	H. Ang=33deg	
GOES 09:01	09:05	09:08	09:08	Importance=C1																			
HXRBS 09:02:20	09:03:35	09:05:00		Peak...c/s=380																			
BGS 09:04	09:04	09:06	09:06	CaPeak.c/s=22																			
FCS	09:04			Peak3...c/s=10																			
UVSP 09:00				WaveLength=1237A																			
Radio	Frequency(MHz)/Flux(sfu) :				245/290 410/12 2695/2010 4995/800 8800/360																		
Event # = 120																							
80/04/02 09:05	DOY=93																						
	Start	Peak	End times																				
Optical				SMM Pointing:																	Pitch=-506" , Yaw=-148" , Roll=0deg	H. Ang=33deg	
GOES 09:01	09:05	09:08	09:08	Importance=C1																			
HXRBS 09:02:20	09:03:35	09:05:00		Peak...c/s=380																			
BGS 09:04	09:04	09:06	09:06	CaPeak.c/s=22																			
FCS	09:04			Peak3...c/s=10																			
UVSP 09:00				WaveLength=1237A																			
Radio	Frequency(MHz)/Flux(sfu) :				245/290 410/12 2695/2010 4995/800 8800/360																		
Event # = 121																							
80/04/02 11:21	DOY=93																						
	Start	Peak	End times																				
Optical				SMM Pointing:																	Pitch=-506" , Yaw=-162" , Roll=0deg	H. Ang=34deg	
GOES 11:19	11:21	11:31	11:31	Ha...Class=SN																			
HXRBS 11:21:00	11:21:30	11:22:10		Importance=C2																			
BGS 11:21	11:24	11:29	11:29	Peak...c/s=950																			
FCS	11:25			CaPeak.c/s=51																			
UVSP 10:36				Peak3...c/s=262																			
Radio	Frequency(MHz)/Flux(sfu) :				606/41 1415/15 2695/38 4995/73 8800/140																		
	Frequency(MHz)/Flux(sfu) :				606/41 1415/15 2695/38 4995/73 8800/140																		

Event # = 20617											
80/04/02, 13:53	Start	DOY=93						Pitch=-490"	Yaw=-202"	Roll=0deg	H. Ang=33deg
Optical											
GOES	13:48	13:53	N24W13					Mac. =DKI	Carr. Lon. =180deg		H. Ang=36deg
BGS	13:50	13:52	N27W14	AR2363							
FCS		13:54	Qual=01								
UVSP	13:52		Qual=1	FePeak=13:52				FePeak.c/s=15	#Peaks=1	dt= 3.0s	XEN=9307
			WaveLength=1371A	Code=00	Exp #=1024			Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel
Event # = 20632											
80/04/02, 14:12	Start	DOY=93						Pitch=-490"	Yaw=-202"	Roll=0deg	H. Ang=33deg
Optical											
GOES	14:12	14:12	N24W13								
BGS			Qual=00								
FCS			Qual=1	FePeak=14:12				FePeak.c/s=7	#Peaks=1		XEN=9309
UVSP	13:52		WaveLength=1371A	Code=00	Exp #=1024			Rast=0"x0"	Step=0"	Cad=.26s	0.256s/pixel
Event # = 122											
80/04/02, 17:02	Start	DOY=93						Pitch=-491"	Yaw=-213"	Roll=0deg	H. Ang=34deg
Optical											
GOES	16:56	17:02	N25W14					Mac. =DKI	Carr. Lon. =177deg		H. Ang=37deg
HXRBS	16:59:30	17:02:40	N28W13	AR2363							
BGS	16:56	17:02	Qual=04								
FCS		17:03	Qual=01	Tot Cts=13940				MaxkeV=97	#Peaks=1	dt= 3.0s	XEN=9300
UVSP	16:56		Qual=1	FePeak=17:02				FePeak.c/s=26	Step=15"	Cad= 410s	1.024s/pixel
Radio	Frequency(MHz)/Flux(sfu):	245/95	WaveLength=1402A	Code=00	Exp #=1027			Rast=240"x240"	Step=4"	Pitch=-547"	Yaw=-257"
Event # = 123											
80/04/02, 17:24	Start	DOY=93						Pitch=-491"	Yaw=-213"	Roll=0deg	H. Ang=34deg
Optical											
GOES	17:24:15	17:24:30	N25W14								
HXRBS	17:24:15	17:24:30	Qual=06					MaxkeV=52			
UVSP	17:04		Qual=01	Tot Cts=400				Rast=60"x60"	Step=4"	Pitch=-561"	Yaw=-182"
			WaveLength=1402A	Exp #=1028							
Event # = 124											
80/04/02, 19:55	Start	DOY=93						Pitch=-488"	Yaw=-240"	Roll=0deg	H. Ang=34deg
Optical											
GOES	19:44	19:55	N24W16					Mac. =CHO	Carr. Lon. =181deg		H. Ang=39deg
HXRBS	20:22:00	20:24:15	N28W19	AR2363							
BGS	20:05	20:05	Qual=05								
FCS	20:08	20:08	Qual=01	Tot Cts=1450				MaxkeV=52	#Peaks=1	dt= 3.0s	XEN=9313
UVSP	20:08		Qual=5	FePeak=20:05				FePeak.c/s=10	Step=15"	Cad= 147s	1.024s/pixel
Radio	Sweeps	Type/Intensity:	WaveLength=1402A	Code=00	Exp #=1031			Rast=180"x180"	Step=4"	Pitch=-545"	Yaw=-295"
			V/3								
Event # = 125											
80/04/03, 01:24	Start	DOY=94						Pitch=-487"	Yaw=-283"	Roll=0deg	H. Ang=36deg
Optical											
GOES	01:15	01:24	N24W19					Mac. =CA0	Carr. Lon. =209deg		H. Ang=52deg
HXRBS*	01:16:00	01:17:35	N10W50	AR2359							
UVSP	01:14		Qual=01					MaxkeV=120	Flags=ND		
			Qual=01	Tot Cts=73585				Rast=240"x240"	Step=3"	Pitch=-552"	Yaw=-346"
			Code=00	Exp #=1039							

Event # = 126
 80/04/03,06:40 D0Y=94 SMM Pointing: N24W21 H. Ang=37deg
 Start Peak 06:40
 GOES 06:21 06:40 06:45 Importance=C3
 HXRBS* 06:33:35 06:38:05 06:41:55 Peak...c/s=340 Qual=01
 UVSP Pitch=-486", Yaw=-311", Roll=0deg
 MaxkeV=168
 Pitch=-434", Yaw=-356"

Event # = 127
 80/04/03,07:25 D0Y=94 SMM Pointing: N24W23 H. Ang=38deg
 Start Peak 07:25
 Optical Ha...Class=1B AR2363 H. Ang=36deg
 GOES 06:50 07:25 10:36 Importance=M2
 HXRBS* 07:17:00 07:19:35 07:33:00 Peak...c/s=1830 Qual=02
 Radio Sweeps Type/Intensity: 1I/2 1I1/1 1V/2
 Radio Frequency(MHz)/Flux(sfu): 245/610 410/130 606/100 1415/380 2695/1000 4995/1300 8800/2000
 HXRBS* 08:15:40 08:16:05 08:16:10 Peak...c/s=77 Associated Event # = 128
 UVSP Qual=01 Tot Cts=264 MaxkeV=74
 Pitch=-482", Yaw=-345", Roll=0deg
 Mac.=EKI Carr. Lon.=175deg
 MaxkeV=306 Flags=M, SN

Event # = 129
 80/04/03,20:48 D0Y=94 SMM Pointing: N23W28 H. Ang=40deg
 Start Peak 20:48
 Optical Ha...Class=1B N15W63 H. Ang=66deg
 GOES 20:37 20:48 20:59 Importance=C8 Qual=03
 HXRBS 20:39:40 20:40:20 20:40:40 Peak...c/s=140 Qual=01
 Tot Cts=10000
 MaxkeV=74
 Pitch=-464", Yaw=-413", Roll=0deg
 Mac.=CA0 Carr. Lon.=212deg
 MaxkeV=74

Event # = 130
 80/04/04,07:22 D0Y=95 SMM Pointing: S06W00 H. Ang=0deg
 Start Peak 07:22
 Optical Ha...Class=SB S14E59 H. Ang=58deg
 GOES 06:56 07:22 07:28 Importance=C1 Qual=04
 HXRBS 07:21:40 07:22:00 07:22:10 Peak...c/s=105 Qual=01
 Tot Cts=773
 MaxkeV=52
 Pitch=+0", Yaw=+1", Roll=0deg
 Mac.=DS0 Carr. Lon.=84deg
 MaxkeV=52

Event # = 131
 80/04/04,08:58 D0Y=95 SMM Pointing: S06W00 H. Ang=0deg
 Start Peak 08:58
 Optical Ha...Class=SB N25W36 H. Ang=47deg
 GOES 07:46 08:58 09:00 Importance=C1 Qual=01
 HXRBS 08:58:50 08:58:50 08:59:20 Peak...c/s=100 Qual=01
 Tot Cts=580
 MaxkeV=52
 Pitch=+0", Yaw=+1", Roll=0deg
 Mac.=DKI Carr. Lon.=178deg
 MaxkeV=52

Event # = 132
 80/04/04,11:07 D0Y=95 SMM Pointing: S06W00 H. Ang=0deg
 Start Peak 11:07
 Optical Ha...Class=SB N27W38 H. Ang=50deg
 GOES 10:59 11:07 11:14 Importance=C5 Qual=01
 HXRBS 11:01:30 11:05:30 11:08:30 Peak...c/s=100 Qual=01
 Tot Cts=3186
 MaxkeV=52
 Pitch=+0", Yaw=+1", Roll=0deg
 Mac.=DKI Carr. Lon.=179deg
 MaxkeV=52

Event # = 133
 80/04/04,15:23 D0Y=95 SMM Pointing: S06W01 H. Ang=1deg
 Start Peak 15:23
 Optical Ha...Class=2B N27W34 H. Ang=47deg
 GOES 14:55 15:23 16:12 Importance=M5 Qual=04
 HXRBS 15:15:50 15:17:45 15:51:50 Peak...c/s=600 Qual=04
 Radio Sweeps Type/Intensity: 1I/3 1V/3
 Radio Frequency(MHz)/Flux(sfu): 1415/860 8800/130
 HXRBS* 08:15:40 08:16:05 08:16:10 Peak...c/s=77 Associated Event # = 128
 UVSP Qual=01 Tot Cts=264 MaxkeV=74
 Pitch=-1", Yaw=-10", Roll=0deg
 Mac.=DKI Carr. Lon.=172deg
 MaxkeV=97 Flags=SN, ES

Event # = 134		80/04/04, 16:59		DOY=95	SMM Pointing:		N03W10	Pitch=-148", Yaw=-169", Roll=0deg		H. Ang=14deg
	Start	End times	Peak	Importance=C2	Qual=05			MaxkV=52		Flags=ND
GOES	16:57	17:01	16:59	Peak...c/s=97	Qual=01			FePeak.c/s=18		#Peaks=1
HXRBS	16:54:55	16:55:06	16:55:06	CaPeak.c/s=270	Qual=1		Tot Cts=1350	Rast=300"x300"		Step=15"
BCS	17:00	17:05	17:05	Peak3..c/s=13			FePeak=17:09	Cad=410s		XEN=9501
FCS	17:01	17:01	17:01					1.024s/pixel		
Event # = 20636		80/04/04, 18:33		DOY=95	SMM Pointing:		N24W37	Pitch=-458", Yaw=-534", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=85	Qual=06			FePeak.c/s=7		#Peaks=1
GOES	18:28	19:08	18:33	Peak3..c/s=189	Qual=5		FePeak=18:33	Rast=180"x180"		dt=3.0s
BCS	18:32	18:32	18:32					Step=15"		XEN=9503
FCS								Cad=147s		1.024s/pixel
Event # = 20506		80/04/04, 20:07		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=29	Qual=00			FePeak.c/s=8		#Peaks=1
GOES	20:04	20:08	20:07	Peak3..c/s=113	Qual=1		FePeak=20:07	Rast=180"x180"		Step=15"
BCS	20:07	20:07	20:07					Cad=147s		XEN=9529
FCS								1.024s/pixel		
Event # = 20003		80/04/04, 20:09		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=20	Qual=00			FePeak.c/s=6		#Peaks=1
GOES	20:09	20:12	20:09	Peak3..c/s=11	Qual=1		FePeak=20:09	Rast=300"x300"		Step=15"
BCS	20:10	20:10	20:10					Cad=410s		XEN=9507
FCS								1.024s/pixel		
Event # = 20004		80/04/04, 20:17		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=25	Qual=06			FePeak.c/s=7		#Peaks=1
GOES	20:15	20:26	20:17	Peak3..c/s=100	Qual=1		FePeak=20:17	Rast=180"x180"		dt=6.0s
BCS	20:20	20:20	20:20					Cad=147s		XEN=9509
FCS								1.024s/pixel		
Event # = 20005		80/04/04, 20:31		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=20	Qual=06			FePeak.c/s=9		#Peaks=1
GOES	20:29	20:37	20:31		Qual=1		FePeak=20:31	Rast=180"x180"		Step=15"
BCS	20:31	20:31	20:31					Cad=147s		XEN=9530
FCS								1.024s/pixel		
Event # = 20007		80/04/04, 20:39		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=19	Qual=06			FePeak.c/s=6		#Peaks=1
GOES	20:39	20:39	20:39	Peak3..c/s=10	Qual=1		FePeak=20:39	Rast=180"x180"		Step=15"
BCS	20:39	20:39	20:39					Cad=147s		XEN=9520
FCS								1.024s/pixel		
Event # = 20008		80/04/04, 20:43		DOY=95	SMM Pointing:		N23W38	Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg
	Start	End times	Peak	CaPeak.c/s=20	Qual=06			FePeak.c/s=8		#Peaks=1
GOES	20:42	20:43	20:43	Wavelength=1230A	Qual=1		FePeak=20:43	Rast=120"x120"		Step=3"
BCS	21:42	21:42	21:42				Exp #=1066	Pitch=-452", Yaw=-544"		XEN=9500
UVSP										

Event # = 20011		80/04/04, 20:45		DOY=95		N23W38		Pitch=-450", Yaw=-544", Roll=0deg		H. Ang=47deg	
Start		End times		SMM Pointing:		Qual=06		#Peaks=1		XEN=9523	
GOES	20:45	20:45	20:46	CaPeak.c/s=18	WaveLength=1230A	Qual=1	FePeak=20:45	Rast=120"x120"	Step=3"	Pitch=-452"	Yaw=-544"
BCS	21:42						Exp #=1066				
UVSP											
Event # = 135		80/04/04, 21:51		DOY=95		N24W39		Pitch=-456", Yaw=-556", Roll=0deg		H. Ang=48deg	
Start		End times		SMM Pointing:		N24W39		Mac.=DS0		Carr. Lon.=185deg	
GOES	21:42	21:51	21:57	Ha...Class=SN	Importance=C2	Qual=01	AR2362	MaxkeV=97	Flags=AX	XEN=9525	
HXRBS	21:56:20	21:56:50	21:58:00	Peak...c/s=105	CaPeak.c/s=42	Qual=1	Tot Cts=1528	Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel
BCS	21:57	21:57	22:00	Peak3...c/s=145	Peak...c/s=80	Code=00	Exp #=1068	Rast=21"x21"	Step=3"	Pitch=-475"	Yaw=-567"
HXIS	21:58			WaveLength=1237A							
UVSP	21:50										
Event # = 20104		80/04/04, 23:10		DOY=95		N24W39		Pitch=-456", Yaw=-556", Roll=0deg		H. Ang=48deg	
Start		End times		SMM Pointing:		N24W39		FePeak.c/s=5		#Peaks=1	
GOES	23:08	23:10	23:26	Importance=C2	CaPeak.c/s=21	Qual=05	FePeak=23:17	Rast=120"x120"	Step=3"	Pitch=-452"	Yaw=-555"
BCS	23:17	23:17	23:17	Peak...c/s=24	WaveLength=1237A	Code=02	Exp #=1069	FePeak.c/s=5	#Peaks=1		XEN=9527
HXIS	23:18			Associated Event # = 20012							
UVSP	23:18			Qual=1	FePeak=23:19	Qual=1	FePeak=23:19				XEN=9528
BCS	23:19	23:19	23:19	CaPeak.c/s=18							
Event # = 136		80/04/05, 00:09		DOY=96		N24W40		Pitch=-456", Yaw=-566", Roll=0deg		H. Ang=49deg	
Start		End times		SMM Pointing:		N24W40		Mac.=EKI		Carr. Lon.=106deg	
GOES	00:04	00:09	00:12	Ha...Class=SN	Importance=C2	Qual=01	AR2372	MaxkeV=143	Flags=M,FS	XEN=9600	
HXRBS	00:08:50	00:09:25	00:09:50	Peak...c/s=880	CaPeak.c/s=40	Qual=1	Tot Cts=9553	Rast=120"x21"	Step=3"	Pitch=-482"	Yaw=-606"
BCS	00:09	00:09	00:10	Peak...c/s=67	WaveLength=1237A	Code=00	Exp #=1071				
HXIS	23:25										
UVSP	23:25										
Event # = 137		80/04/05, 01:46		DOY=96		N24W41		Pitch=-454", Yaw=-576", Roll=0deg		H. Ang=50deg	
Start		End times		SMM Pointing:		N24W41		MaxkeV=120		Rast=21"x21"	
GOES	01:43	01:46	01:51	Importance=C2	Peak...c/s=90	Qual=01	Exp #=1074				
HXRBS	01:46:35	01:46:47	01:47:12	WaveLength=1237A							
UVSP	00:59										
Event # = 138		80/04/05, 03:56		DOY=96		N24W42		Pitch=-454", Yaw=-585", Roll=0deg		H. Ang=50deg	
Start		End times		SMM Pointing:		N24W42		Mac.=DS0		Carr. Lon.=181deg	
GOES	03:43	03:56	04:43	Ha...Class=SN	Importance=M2	Qual=05	AR2362	MaxkeV=52			
HXRBS	04:24:57	04:25:40	04:26:10	Peak...c/s=80	WaveLength=1237A	Qual=01	Exp #=1078	Rast=120"x120"	Step=3"	Pitch=-448"	Yaw=-585"
UVSP	04:06										

Event # = 139														
80/04/05,06:05	DOY=96	Peak	End times	SMM Pointing:	N24W43	AR2372	Pitch=-451",Yaw=-605",Roll=0deg	Mac.=EKI	Carr.Lon.=104deg	H.Ang=52deg				
Optical														
GOES	05:53	06:05	06:19	Ha...Class=1B	N13E26									
HXRBS	05:53:20	05:56:30	06:08:30	Importance=M1	Qual=01									
UVSP	05:49			Peak...c/s=87	Qual=01									
Radio			Frequency(MHz)/Flux(sfu):		606/24 1415/6 4995/24	Tot Cts=13650	Pitch=-497",Yaw=-603"							
Event # = 140														
80/04/05,08:11	DOY=96	Peak	End times	SMM Pointing:	N24W44		Pitch=-450",Yaw=-615",Roll=0deg	MaxkeV=52		H.Ang=52deg				
Optical														
GOES	08:03	08:11	08:19	Importance=C3	Qual=01									
HXRBS	08:10:50	08:10:57	08:11:20	Peak...c/s=90	Qual=01									
UVSP	07:23			Wavelength=1237A	Code=00	Exp #=1086	Pitch=-496",Yaw=-612"							
Event # = 20105														
80/04/05,08:52	DOY=96	Peak	End times	SMM Pointing:	N24W44		Pitch=-450",Yaw=-615",Roll=0deg			H.Ang=52deg				
Optical														
GOES	08:46	08:52	08:56	Importance=C2	Qual=05									
BCS	08:51	08:52	08:53	CaPeak.c/s=31	Qual=1	FePeak=08:51	FePeak.c/s=14	#Peaks=1		XEN=9601				
FCS				Peak3...c/s=181			Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel				
HXIS				Peak...c/s=43										
UVSP	08:53			Wavelength=2793A	Code=02	Exp #=1088	Rast=15"x15"	Step=3"	Pitch=-514",Yaw=-684"					
Event # = 141														
80/04/05,09:44	DOY=96	Peak	End times	SMM Pointing:	N24W45		Pitch=-449",Yaw=-626",Roll=0deg			H.Ang=53deg				
Optical														
GOES	09:41	09:44	09:52	Importance=C2	Qual=01									
HXRBS	09:44:10	09:44:30	09:47:10	Peak...c/s=150	Qual=01	Tot Cts=1865	MaxkeV=97							
UVSP	08:53			Wavelength=2793A	Code=00	Exp #=1089	Rast=240"x240"	Step=3"	Pitch=-514",Yaw=-684"					
Event # = 142														
80/04/05,10:45	DOY=96	Peak	End times	SMM Pointing:	N24W45		Pitch=-449",Yaw=-626",Roll=0deg			H.Ang=53deg				
Optical														
GOES	10:23	10:45	10:56	Ha...Class=SB	N27W48	AR2363	Mac.=DKI	Carr.Lon.=176deg	H.Ang=57deg					
HXRBS	10:39:50	10:41:30	10:46:40	Importance=C5	Qual=04									
BCS	10:41	10:45	10:49	Peak...c/s=460	Qual=01	Tot Cts=15580	MaxkeV=194	#Peaks=1	dt= 6.0s	XEN=9604				
FCS				CaPeak.c/s=134	Qual=1	FePeak=10:45	Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel				
HXIS				Peak3...c/s=779										
UVSP	10:33			Peak...c/s=202		Exp #=1092	Rast=3"x3"	Step=0"	Pitch=-629",Yaw=-821"					
Radio			Frequency(MHz)/Flux(sfu):		245/890 410/56 8800/65									
BCS	10:35	10:35	10:35	CaPeak.c/s=21	Qual=1	Associated Event # = 20013	FePeak.c/s=7	#Peaks=1		XEN=9603				
Event # = 143														
80/04/05,11:14	DOY=96	Peak	End times	SMM Pointing:	N24W46		Pitch=-448",Yaw=-636",Roll=0deg			H.Ang=54deg				
Optical														
GOES	11:09	11:14	11:19	Ha...Class=SB	S16E45									
HXRBS	11:11:20	11:13:20	11:15:40	Importance=C6	Qual=01									
UVSP	10:57			Peak...c/s=65	Qual=01	Exp #=1093	MaxkeV=52							
					Wavelength=2800A		Code=01	Step=0"	Pitch=-628",Yaw=-823"					

Event # = 155	DOY=97	SMM Pointing:	N27W63	Pitch=-474", Yaw=-762", Roll=0deg	H. Ang=69deg
80/04/06, 13:51	Peak	Qual=06			
Start	End times	Qual=01			
GOES 13:50:40	13:55:30	Peak...c/s=84	Tot Cts=4260	MaxkeV=248	
HXRBS 13:52		WaveLength=2792A	Exp #=1140	Rast=240"x240"	Pitch=-538", Yaw=-826"
UVSP 13:52				Step=3"	
Event # = 156	DOY=97	SMM Pointing:	N27W63	Pitch=-474", Yaw=-762", Roll=0deg	H. Ang=69deg
80/04/06, 14:27	Peak	Ha...Class=1B	AR2372	Mac.=EKI	
Start	End times	Importance=X2		Carr. Lon.=98deg	
Optical 14:18	15:24	Peak...c/s=2000	Tot Cts=2.76E+5	Flags=M,EN,SA	
GOES 14:33:40	14:38:00	WaveLength=2792A	Exp #=1140	Step=3"	Pitch=-538", Yaw=-826"
HXRBS 14:33:40					
UVSP 13:52		Type/Intensity:			
Radio Sweeps		V/2			
Radio Frequency(MHz)/Flux(sfu):		245/19000	410/15000	606/26000	1415/16000
				630	8800/1100
					15400/510
Event # = 157	DOY=97	SMM Pointing:	N27W63	Pitch=-479", Yaw=-761", Roll=0deg	H. Ang=69deg
80/04/06, 15:46	Peak	Ha...Class=1B	AR2372	Mac.=EKI	
Start	End times	Importance=M2		Carr. Lon.=97deg	
Optical 15:39	16:10	Peak...c/s=900	Tot Cts=1.54E+5	Flags=M	
GOES 15:39:20	15:49:20				
HXRBS 15:39:20	15:41:25				
Event # = 20662	DOY=97	SMM Pointing:	N27W65	Pitch=-474", Yaw=-774", Roll=0deg	H. Ang=71deg
80/04/06, 18:32	Peak	Code=SPY		Carr. Lon.=20deg	
Start	End times	PA=72deg			
Optical					
GOES					
C/P	18:32				
Event # = 20114	DOY=97	SMM Pointing:	N13E03	Pitch=-314", Yaw=+56", Roll=0deg	H. Ang=19deg
80/04/06, 20:26	Peak	Ha...Class=SF		Carr. Lon.=84deg	
Start	End times	Importance=C3			
Optical 20:21	20:32	Peak...c/s=50	Exp #=1143	Step=15"	Pitch=-471", Yaw=-791"
GOES 20:21	20:27	WaveLength=1173A	Code=00	Rast=3"x63"	
HXIS					
UVSP 20:12					
Event # = 20115	DOY=97	SMM Pointing:	N13E03	Pitch=-314", Yaw=+56", Roll=0deg	H. Ang=19deg
80/04/06, 21:38	Peak	Ha...Class=1N	AR2372	Mac.=EKI	
Start	End times	Importance=M1		Carr. Lon.=103deg	
Optical 21:13	22:05	CaPeak.c/s=99	FePeak=21:38		
GOES 21:38	22:08	Peak3...c/s=527	Exp #=1144		
BGS 21:38		Peak...c/s=173	Code=02	Rast=180"x180"	Pitch=-336", Yaw=+34"
FCS 21:43					
HXIS 21:38					
UVSP 21:41					

Event # = 20116
80/04/06,23:20 DOY=97
Start Peak
Optical 23:10 23:20
GOES 23:14 23:18
BCS 23:14 23:19
FCS 23:14 23:14
HXIS 23:17
UVSP 23:25
UVSP 23:48
C/P Extrap St=04/06,12:00 PA=64deg

SMM Pointing:
Ha...Class=1N
Importance=C6
CaPeak.c/s=150
Peak3...c/s=365
Peak...c/s=275
Wavelength=1215A
Code=00
Exp #=1146
Associated
Event # = 20663
Exp #=1147
Wavelength=1173A
PA=64deg

Pitch=-314",Yaw=+23",Roll=0deg
Mac.=EKI Carr.Lon.=103deg H.Ang=19deg
FePeak.c/s=10 #Peaks=2 dt= 3.0s XEN=9726
Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
Rast=180"x180" Step=3" Pitch=-336",Yaw=+34"
Rast=3"x63" Step=15" Pitch=-278",Yaw=+64"

80/04/07 DOY=98
Event # = 158
80/04/07,01:10 DOY=98
Start Peak
Optical 00:48 01:10
Optical 00:50:00 01:50
GOES 00:50:00 01:52:30 01:23:20
HXRBS 00:50 01:08 01:49
BCS 01:09
FCS 01:05
HXIS 01:05
UVSP 01:07
Radio Sweeps
Radio Frequency (MHz)/Flux(sfu): 245/870 410/680 606/170 1415/160 2695/32 4995/37 8800/13
HXRBS 01:29:20 01:29:55 01:30:10 Peak...c/s=93 Associated Event # = 159
Qual=01 Tot Cts=990 Maxkey=52

SMM Pointing:
Ha...Class=1B
Ha...Class=SN
Importance=M4
Peak...c/s=430
CaPeak.c/s=1492
Peak3...c/s=3435
Peak...c/s=2465
Wavelength=1237A
Code=00
Exp #=1151
IV/2
Associated Event # = 159
Qual=01 Tot Cts=990 Maxkey=52

Pitch=-314",Yaw=+23",Roll=0deg
Mac.=EKI Carr.Lon.=104deg H.Ang=19deg
Carr.Lon.=55deg H.Ang=16deg
H.Ang=57deg
Flags=EN
#Peaks=1 XEN=9800
Step=15" Cad= 262s 1.024s/pixel
Step=3" Pitch=-260",Yaw=-23"

Event # = 160
80/04/07,01:39 DOY=98
Start Peak
GOES 01:39:10 01:39:28 01:39:40
HXRBS 01:07
UVSP Frequency (MHz)/Flux(sfu): 606/14 1415/61 2695/19 4995/47
Radio

SMM Pointing:
Peak...c/s=510
Wavelength=1237A
606/14 1415/61 2695/19 4995/47
Qual=06
Qual=01
Tot Cts=4669
Exp #=1151

Pitch=-314",Yaw=+23",Roll=0deg
Maxkey=144
Rast=21"x21" Step=3" Pitch=-260",Yaw=-23"

Event # = 161
80/04/07,03:22 DOY=98
Start Peak
Optical 03:18 03:22
GOES 03:19:30 03:20:05 03:20:40
HXRBS 03:20
HXIS 02:32
UVSP 02:32
Radio Sweeps

SMM Pointing:
Ha...Class=1F
Importance=C5
Peak...c/s=83
Peak...c/s=244
Wavelength=1237A
Code=00
Exp #=1154
IV/2

Pitch=-314",Yaw=-5",Roll=0deg
Mac.=DAO Carr.Lon.=172deg H.Ang=19deg
H.Ang=74deg
Maxkey=52
Rast=21"x21" Step=3" Pitch=-266",Yaw=+3"

Event # = 168		80/04/07,07:20		D0Y=98	N13W02		Pitch=-314",Yaw=-35",Roll=0deg		H.Ang=19deg		
GOES	07:15	Peak	07:35	End times	SMM Pointing:		MaxkeV=52		#Peaks=1 dt= 3.0s XEN=9809		
HXRBS	07:20:10	07:20:45	07:21:00	07:15	Importance=C4	Qual=04		FePeak.c/s=7		Step=15" Cad= 262s XEN=9820	
BGS	07:13	07:16	07:51	07:20	Peak...c/s=60	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	07:20	07:20	07:20	07:18	CaPeak.c/s=33	Qual= 5		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-82"	
HXIS	07:15	07:18	07:18	07:18	Peak3...c/s=101	Code=00		Exp #=1162			
UVSP	07:15	07:18	07:18	07:18	Peak...c/s=42	Wavelength=1216A					
Event # = 20118		80/04/07,07:54		D0Y=98	N13W02		Pitch=-314",Yaw=-35",Roll=0deg		H.Ang=19deg		
GOES	07:50	Peak	08:13	End times	SMM Pointing:		FePeak.c/s=10		#Peaks=1 dt= 6.0s XEN=9814		
BGS	07:54	07:57	08:13	07:54	Importance=C4	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	08:00	08:00	08:00	07:48	CaPeak.c/s=35	Qual= 1		Rast=21"x21"		Step=3" Pitch=-278",Yaw=+10"	
HXIS	07:31	07:48	07:48	07:48	Peak3...c/s=67	Code=00		Exp #=1165			
UVSP	07:31	07:48	07:48	07:48	Peak...c/s=32	Wavelength=1237A					
Event # = 20119		80/04/07,09:09		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	09:06	Peak	09:16	End times	SMM Pointing:		FePeak.c/s=5		#Peaks=1 XEN=9818		
BGS	09:08	09:08	09:10	09:09	Importance=C2	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	09:08	09:08	09:10	09:09	CaPeak.c/s=21	Qual= 1		Rast=21"x21"		Step=3" Pitch=-290",Yaw=-78"	
UVSP	08:56	09:09	09:09	08:56	Peak3...c/s=44	Code=00		Exp #=1168			
Event # = 20120		80/04/07,09:57		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	09:44	Peak	10:05	End times	SMM Pointing:		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"		
HXRBS	10:27	09:57	10:05	09:46	Importance=C3	Qual=02		Exp #=1169			
BGS	10:26	09:57	10:05	09:46	Peak...c/s=32	Code=00					
FCS	10:27	09:46	10:05	09:46	Wavelength=1216A	Wavelength=1216A					
UVSP	10:27	09:46	10:05	09:46	Peak...c/s=32	Code=00					
Event # = 20021		80/04/07,10:26		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:26	Peak	10:26	End times	SMM Pointing:		FePeak.c/s=11		#Peaks=1 XEN=9820		
HXRBS	10:27	10:26	10:26	10:26	CaPeak.c/s=20	Qual= 1		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"	
BGS	10:26	10:26	10:26	10:26	Wavelength=1216A	Code=00		Exp #=1169			
FCS	10:27	10:26	10:26	10:26	Wavelength=1216A	Wavelength=1216A					
HXIS	10:27	10:26	10:26	10:26	Peak...c/s=53	Code=00					
UVSP	10:27	10:26	10:26	10:26	Wavelength=1216A	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
Event # = 169		80/04/07,10:34		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:30	Peak	10:40	End times	SMM Pointing:		MaxkeV=74		#Peaks=1 dt= 6.0s XEN=9824		
HXRBS	10:33:40	10:34:50	10:35:40	10:34	Importance=C3	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
BGS	10:33	10:36	10:41	10:37	Peak...c/s=130	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	10:33	10:36	10:41	10:37	CaPeak.c/s=44	Qual= 1		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
HXIS	10:27	10:37	10:37	10:34	Peak3...c/s=349	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
UVSP	10:27	10:37	10:37	10:34	Peak...c/s=53	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
Event # = 20023		80/04/07,10:31		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:28	Peak	10:31	End times	SMM Pointing:		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"		
HXRBS	10:28	10:31	10:31	10:31	Importance=C3	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
BGS	10:28	10:31	10:31	10:31	Peak...c/s=44	Qual= 1		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	10:28	10:31	10:31	10:31	Peak3...c/s=349	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
HXIS	10:28	10:31	10:31	10:31	Peak...c/s=53	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
UVSP	10:28	10:31	10:31	10:31	Wavelength=1216A	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
Event # = 20023		80/04/07,10:31		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:28	Peak	10:31	End times	SMM Pointing:		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"		
HXRBS	10:28	10:31	10:31	10:31	Importance=C3	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
BGS	10:28	10:31	10:31	10:31	Peak...c/s=44	Qual= 1		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	10:28	10:31	10:31	10:31	Peak3...c/s=349	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
HXIS	10:28	10:31	10:31	10:31	Peak...c/s=53	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
UVSP	10:28	10:31	10:31	10:31	Wavelength=1216A	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
Event # = 20023		80/04/07,10:31		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:28	Peak	10:31	End times	SMM Pointing:		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"		
HXRBS	10:28	10:31	10:31	10:31	Importance=C3	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
BGS	10:28	10:31	10:31	10:31	Peak...c/s=44	Qual= 1		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	10:28	10:31	10:31	10:31	Peak3...c/s=349	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
HXIS	10:28	10:31	10:31	10:31	Peak...c/s=53	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
UVSP	10:28	10:31	10:31	10:31	Wavelength=1216A	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
Event # = 20023		80/04/07,10:31		D0Y=98	N13W03		Pitch=-314",Yaw=-57",Roll=0deg		H.Ang=19deg		
GOES	10:28	Peak	10:31	End times	SMM Pointing:		Rast=240"x240"		Step=3" Pitch=-366",Yaw=-110"		
HXRBS	10:28	10:31	10:31	10:31	Importance=C3	Qual=01		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
BGS	10:28	10:31	10:31	10:31	Peak...c/s=44	Qual= 1		Rast=240"x240"		Step=15" Cad= 262s XEN=9820	
FCS	10:28	10:31	10:31	10:31	Peak3...c/s=349	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
HXIS	10:28	10:31	10:31	10:31	Peak...c/s=53	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	
UVSP	10:28	10:31	10:31	10:31	Wavelength=1216A	Code=00		Exp #=1169		Pitch=-366",Yaw=-110"	

Event # = 170
 80/04/07, 12:21 DOY=98
 Start Peak
 12:21 12:29
 GOES 12:19 12:21
 HXRBS 12:20:50 12:21:10 12:21:50
 UVSP 12:18
 SMM Pointing: N13W05
 Importance=C2
 Peak...c/s=62
 Wavelength=1237A
 Code=00
 Qual=01
 Qual=01
 Tot Cts=115
 Exp #=1176
 Pitch=-314", Yaw=-81", Roll=0deg
 H.Ang=20deg
 MaxkeV=52
 Rast=21"x21" Step=3" Pitch=-269", Yaw=-24"

Event # = 171
 80/04/07, 12:48 DOY=98
 Start Peak
 12:48 12:52
 GOES 12:40 12:48
 HXRBS 12:43:50 12:44:20 12:44:50
 BCS 12:49 12:49
 HXIS 12:49
 UVSP 12:18
 SMM Pointing: N13W05
 Importance=C2
 Peak...c/s=79
 CaPeak.c/s=19
 Peak...c/s=27
 Wavelength=1237A
 Code=00
 Exp #=1176
 Event # = 20025
 Associated
 FePeak=12:51
 Qual=1
 Pitch=-314", Yaw=-81", Roll=0deg
 H.Ang=20deg
 MaxkeV=52
 FePeak.c/s=12 #Peaks=1 XEN=9828
 Rast=21"x21" Step=3" Pitch=-269", Yaw=-24"
 FePeak.c/s=9 #Peaks=1 XEN=9829

Event # = 172
 80/04/07, 12:55 DOY=98
 Start Peak
 12:55 13:00
 Optical
 GOES 12:53 13:00
 HXRBS 12:54:10 12:54:30 12:54:50
 BCS 12:54 12:56
 FCS 12:56
 UVSP 12:18
 Radio Sweeps
 Type/Intensity: V/2
 SMM Pointing: N13W05
 Ha...Class=SN
 Importance=C3
 Peak...c/s=170
 CaPeak.c/s=29
 Peak3...c/s=57
 Wavelength=1237A
 Code=00
 Exp #=1176
 Carr. Lon.=175deg
 H.Ang=20deg
 H.Ang=77deg
 MaxkeV=74 XEN=9830
 FePeak.c/s=15 #Peaks=1
 Rast=240"x240" Cad= 262s 1.024s/pixel
 Step=15" Step=3" Pitch=-269", Yaw=-24"
 Step=3" Step=3"

Event # = 173
 80/04/07, 13:45 DOY=98
 Start Peak
 13:42 13:45
 GOES 13:42 13:45
 HXRBS 13:41:40 13:42:20 13:43:40
 SMM Pointing: N27W76
 Importance=C3
 Peak...c/s=54
 Qual=01
 Qual=01
 Tot Cts=1024
 MaxkeV=52
 Pitch=-455", Yaw=-829", Roll=0deg
 H.Ang=80deg

Event # = 20121
 80/04/07, 15:32 DOY=98
 Start Peak
 15:32 15:34
 Optical
 GOES 15:32 15:34
 BCS 15:30 15:31
 FCS 15:33 15:33
 HXIS 15:30 15:30
 SMM Pointing: N12W06
 Ha...Class=SF
 Importance=C3
 CaPeak.c/s=43
 Peak3...c/s=150
 Peak...c/s=80
 Qual=01
 Qual=1
 FePeak=15:31
 AR2372
 Carr. Lon.=103deg
 H.Ang=19deg
 H.Ang=18deg
 XEN=9832
 1.024s/pixel
 Step=15" Cad= 262s

Event # = 174
 80/04/07, 16:53 DOY=98
 Start Peak
 16:50 16:53
 Optical
 GOES 16:50 16:53
 HXRBS 16:52:00 16:52:24 16:52:50
 BCS 16:52 16:56
 FCS 16:52 16:55
 SMM Pointing: N12W06
 Ha...Class=SN
 Importance=C5
 Peak...c/s=230
 CaPeak.c/s=39
 Peak3...c/s=146
 Qual=1
 Qual=1
 Tot Cts=2773
 FePeak=16:56
 Carr. Lon.=85deg
 H.Ang=19deg
 H.Ang=33deg
 XEN=9851
 1.024s/pixel
 Step=15" Cad= 262s

Event # = 175																								
80/04/07, 16:56	DOY=98																				Pitch=-294"	Yaw=-102"	Roll=0deg	H. Ang=19deg
Optical	Start	Peak				SMM Pointing:															Mac. =FKI	Carr. Lon. =85deg	H. Ang=33deg	
GOES	16:55	16:56		17:00		Ha...Class=SN		AR2370													MaxkeV=52			
HRBS	16:55:50	16:56:10	16:56:30			Importance=C6		Tot Cts=1393																
						Peak...c/s=105																		
Event # = 20027																								
80/04/07, 17:18	DOY=98																							H. Ang=19deg
Optical	Start	Peak				SMM Pointing:																		
GOES	17:05	17:18		17:46		Importance=C3																		
BCS	17:09	17:13	17:20			CaPeak.c/s=21		FePeak=17:13																XEN=9852
FCS		17:12				Peak3...c/s=124																		1.024s/pixel
Event # = 176																								
80/04/07, 18:45	DOY=98																							
Optical	Start	Peak				SMM Pointing:																		H. Ang=20deg
GOES	18:39	18:45	18:50			Ha...Class=SB		AR2372																
HRBS	18:40:50	18:43:55	18:46:10			Importance=M1		Tot Cts=36370																H. Ang=19deg
BCS	18:40	18:45	19:02			Peak...c/s=495		FePeak=18:45																XEN=9844
FCS		18:48				CaPeak.c/s=386																		1.024s/pixel
HXIS		18:44				Peak3...c/s=1095																		
Radio						Peak...c/s=784																		
						2695/8 4995/30 8800/44																		
Event # = 177																								
80/04/07, 20:11	DOY=98																							
Optical	Start	Peak				SMM Pointing:																		H. Ang=20deg
GOES	20:10	20:11	20:20			Ha...Class=SF		AR2375																H. Ang=73deg
HRBS	20:09:10	20:09:25	20:09:50			Importance=C3		Tot Cts=336																
UVSP	20:04					Peak...c/s=70		Exp # =1179																
						Wave length=2792A																		
Event # = 178																								
80/04/07, 22:02	DOY=98																							H. Ang=20deg
Optical	Start	Peak				SMM Pointing:																		
GOES	21:50	22:02	22:08			Importance=C2																		
HRBS	21:53:30	21:53:35	21:53:40			Peak...c/s=108		Tot Cts=290																XEN=9846
BCS	22:03	22:03	22:03			CaPeak.c/s=18		FePeak=22:03																1.024s/pixel
UVSP	21:43					Wave length=2796A		Exp # =1182																
Event # = 179																								
80/04/07, 23:27	DOY=98																							H. Ang=21deg
Optical	Start	Peak				SMM Pointing:																		
GOES	23:24	23:27	23:31			Ha...Class=1B																		H. Ang=87deg
HRBS	23:25:40	23:27:35	23:29:00			Importance=C3		Tot Cts=973																
BCS	23:21					Peak...c/s=70		Exp # =1187																
UVSP	23:21					Wave length=1547A																		
Event # = 180																								
80/04/07, 23:54	DOY=98																							H. Ang=21deg
Optical	Start	Peak				SMM Pointing:																		
GOES	23:51	23:54	23:58			Importance=C4																		
HRBS	23:54:10	23:54:30	23:54:40			Peak...c/s=96		Tot Cts=1660																
UVSP	23:21					Wave length=1547A		Exp # =1187																

80/04/08 DOY=99

Event # = 181
 80/04/08,00:07 DOY=99
 Start Peak
 Optical
 GOES 23:59 00:07 00:38
 HXRBS 23:59:25 23:59:30 00:00:05
 BCS 23:55 00:06 00:08
 FCS 00:07
 HXIS 00:02
 UVSP 23:21

SMM Pointing: N12W11
 Ha...Class=SN
 Importance=C6
 Peak...c/s=80
 CaPeak.c/s=145
 Peak3...c/s=248
 Peak...c/s=278
 Wavelength=1547A

End times
 00:38
 00:00:05
 00:08

AR2372
 Tot Cts=1100
 FePeak=00:04
 Exp #=1187

Pitch=-296", Yaw=-179", Roll=0deg
 H.Ang=21deg
 Mac.=EK1
 Carr.Lon.=103deg
 H.Ang=20deg
 MaxkeV=52
 #Peaks=1
 dt= 6.0s
 XEN=9848
 Rast=240"x240" Step=15" Cad= 262s
 1.024s/pixel
 Rast=6"x6" Step=3" Pitch=-265", Yaw=-241"

Event # = 182
 80/04/08,01:24 DOY=99
 Start Peak
 Optical
 GOES 01:13 01:24 01:38
 HXRBS 01:15:20 01:17:40 01:24:20
 UVSP 00:51
 Radio Sweeps
 HXRBS 01:31:10 01:31:30 01:32:08
 HXRBS 01:40:10 01:40:28 01:40:40
 UVSP 02:26

SMM Pointing: N12W11
 Ha...Class=SB
 Ha...Class=SF
 Importance=M1
 Peak...c/s=190
 Wavelength=1371A
 V/3
 Associated
 Qual=01
 Tot Cts=290
 Associated
 Qual=01
 Tot Cts=1124
 Exp #=1189

End times
 01:38
 01:24:20
 01:32:08
 01:40:40

AR2375
 AR2377
 Tot Cts=13000
 Exp #=1188

Pitch=-296", Yaw=-179", Roll=0deg
 H.Ang=21deg
 Mac.=FK0
 Carr.Lon.=28deg
 H.Ang=66deg
 Carr.Lon.=13deg
 H.Ang=80deg
 MaxkeV=97
 Rast=4"x4" Step=0" Pitch=-267", Yaw=-241"
 MaxkeV=52
 Rast=240"x240" Step=4" Pitch=-348", Yaw=-270"

80/04/08 DOY=99

Event # = 20028
 80/04/08,01:43 DOY=99
 Start Peak
 GOES 01:41 01:43 01:49
 BCS 01:42 01:42 01:42
 UVSP 02:26

SMM Pointing: N12W11
 Importance=C5
 CaPeak.c/s=19
 Wavelength=1402A

End times
 01:49
 01:42

FePeak=01:42
 Exp #=1189

Pitch=-296", Yaw=-179", Roll=0deg
 H.Ang=21deg
 FePeak.c/s=8
 #Peaks=1
 XEN=9902
 Rast=240"x240" Step=4" Pitch=-348", Yaw=-270"

80/04/08 DOY=99

Event # = 185
 80/04/08,01:57 DOY=99
 Start Peak
 GOES 01:49 01:57 02:05
 HXRBS 01:46:50 01:47:30 01:47:45
 UVSP 02:26

SMM Pointing: N12W11
 Importance=M1
 Peak...c/s=105
 Wavelength=1402A

End times
 02:05
 01:47:45

Tot Cts=737
 Exp #=1189

Pitch=-296", Yaw=-179", Roll=0deg
 H.Ang=21deg
 MaxkeV=52
 Rast=240"x240" Step=4" Pitch=-348", Yaw=-270"

80/04/08 DOY=99

Event # = 186
 80/04/08,02:41 DOY=99
 Start Peak
 GOES 02:36 02:41 02:45
 HXRBS 02:38:10 02:38:40 02:42:50
 UVSP 02:34

SMM Pointing: N12W12
 Importance=C3
 Peak...c/s=61
 Wavelength=1402A
 Code=00

End times
 02:45
 02:42:50

Exp #=1190

Pitch=-298", Yaw=-198", Roll=0deg
 H.Ang=22deg
 MaxkeV=52
 Rast=60"x60" Step=4" Pitch=-290", Yaw=-204"

Event # = 187		80/04/08, 03:07		DOY=99		Pitch=-298", Yaw=-198", Roll=0deg		H. Ang=22deg	
Optical	Start	End times	SMM Pointing:	N12W12	Peak	Mac.=EKI	Carr. Lon.=105deg	H. Ang=22deg	
Optical			Ha...Class=1B	N12W13	AR2372		Carr. Lon.=184deg	H. Ang=91deg	
GOES	02:57	03:07	Ha...Class=2B	S13W92	AR2362				
HXRBS	02:59:15	03:05:00	Importance=M4	Qual=01					
BCS	03:02	03:07	Peak...c/s=3800	Qual=03	Tot Cts=5.40E+5	Flags=EM			
FCS	03:10	03:10	CaPeak.c/s=1764	Qual=1	FePeak=03:06	#Peaks=1	dt= 3.0s	XEN=9900	
HXIS		03:06	Peak3...c/s=2623			Step=15"	Cad= 262s	1.024s/pixel	
UVSP	03:02		Peak...c/s=3246			Step=4"	Pitch=-290"	Yaw=-204"	
Radio	Frequency (MHz)/Flux (sfu):		Wavelength=1402A	Code=00	Exp #=1191				
HXRBS	03:20:00	03:20:30	1415/16 2695/81	4995/130 8800/200 15400/74	Associated Event # = 188				
			Peak...c/s=90	Qual=01	Tot Cts=967				
Event # = 20122		80/04/08, 04:01		DOY=99		Pitch=-298", Yaw=-198", Roll=0deg		H. Ang=22deg	
Optical	Start	End times	SMM Pointing:	N12W12	Peak				
GOES	04:01	04:42	CaPeak.c/s=54	Qual=00					
BCS	04:03	04:03	Peak3...c/s=295	Qual=5	FePeak=04:01	#Peaks=1	Cad= 262s	XEN=9904	
HXIS		04:00	Peak...c/s=84			Step=15"	Pitch=-258"	Yaw=-192"	
UVSP	04:03		Wavelength=1402A		Exp #=1192	Step=4"	Pitch=-348"	Yaw=-254"	
Event # = 20029		80/04/08, 04:55		DOY=99		Pitch=-298", Yaw=-198", Roll=0deg		H. Ang=22deg	
Optical	Start	End times	SMM Pointing:	N12W12	Peak				
GOES	04:54	04:55	CaPeak.c/s=23	Qual=00					
BCS	04:55	04:55	Peak3...c/s=97	Qual=1	FePeak=04:55	#Peaks=1	Cad= 262s	XEN=9908	
FCS			Wavelength=1402A			Step=15"	Pitch=-258"	Yaw=-192"	
UVSP	04:11				Exp #=1193	Step=4"	Pitch=-258"	Yaw=-192"	
Event # = 20030		80/04/08, 05:30		DOY=99		Pitch=-298", Yaw=-198", Roll=0deg		H. Ang=22deg	
Optical	Start	End times	SMM Pointing:	N12W12	Peak				
GOES	05:27	05:30	Ha...Class=SN	S13W90	AR2362				
BCS	05:36	05:40	Importance=C6	Qual=05					
FCS	05:42	05:42	CaPeak.c/s=88	Qual=4	FePeak=05:40	#Peaks=1	dt= 6.0s	XEN=9910	
UVSP	05:38		Peak3...c/s=373	Code=02	Exp #=1194	Step=15"	Cad= 262s	1.024s/pixel	
Radio Sweeps	Frequency (MHz)/Flux (sfu):		Wavelength=1402A			Step=4"	Pitch=-348"	Yaw=-254"	
Radio			V/2	606/20 1415/38 2695/40 4995/59 8800/100					
Event # = 20031		80/04/08, 06:18		DOY=99		Pitch=-297", Yaw=-236", Roll=0deg		H. Ang=23deg	
Optical	Start	End times	SMM Pointing:	N12W15	Peak				
GOES	06:12	06:18	Importance=C3	Qual=01					
BCS	06:14	06:17	CaPeak.c/s=26	Qual=1	FePeak=06:17	#Peaks=1	dt= 6.0s	XEN=9913	
FCS	06:18	06:18	Peak3...c/s=154	Code=00	Exp #=1195	Step=15"	Cad= 262s	1.024s/pixel	
UVSP	05:46		Wavelength=1402A			Step=4"	Pitch=-238"	Yaw=-232"	

Event # = 200
 80/04/09,01:38 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W23 H. Ang=28deg
 GOES 01:28 01:38 01:50 Ha...Class=SN AR2377 H. Ang=63deg
 HXRBS 01:28:00 01:29:30 01:38:00 Importance=C3 Qual=01 Carr. Lon.=17deg
 UVSP 00:56 01:28:00 01:29:30 01:38:00 Peak...c/s=70 Qual=01 MaxkeV=52
 Wavelength=1402A Code=00 Exp #=1215 Rast=60"x60" Pitch=-260",Yaw=-380"

Event # = 201
 80/04/09,03:59 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W24 H. Ang=29deg
 GOES 03:55 03:59 04:07 Ha...Class=SB AR2379 H. Ang=74deg
 HXRBS 03:59:25 04:02:30 04:02:45 Importance=C2 Qual=01 Carr. Lon.=6deg
 UVSP 04:00 03:59:25 04:02:30 04:02:45 Peak...c/s=100 Qual=02 Flags=SN
 Wavelength=1402A Code=02 Exp #=1218 Rast=240"x240" Pitch=-317",Yaw=-437"

Event # = 202
 80/04/09,04:11 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W24 H. Ang=29deg
 GOES 04:09 04:11 04:18 Ha...Class=SN AR2377 H. Ang=68deg
 HXRBS 04:09:20 04:11:10 04:11:10 Importance=C3 Qual=01 Carr. Lon.=10deg
 UVSP 04:08 04:09:20 04:11:10 04:11:10 Peak...c/s=130 Qual=01 MaxkeV=52
 Wavelength=1402A Code=00 Exp #=1219 Rast=60"x60" Pitch=-351",Yaw=-347"

Event # = 203
 80/04/09,04:47 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W24 H. Ang=29deg
 GOES 04:43 04:47 04:52 Ha...Class=SN AR2370 H. Ang=30deg
 HXRBS 04:45:30 04:45:50 04:46:10 Importance=C2 Qual=01 Carr. Lon.=89deg
 UVSP 04:08 04:45:30 04:45:50 04:46:10 Peak...c/s=66 Qual=01 MaxkeV=52
 Wavelength=1402A Code=00 Exp #=1219 Rast=60"x60" Pitch=-351",Yaw=-347"

Event # = 4273
 80/04/09,08:11 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W26 H. Ang=31deg
 GOES 07:56 08:11 08:20 Ha...Class=SN AR2377 H. Ang=65deg
 HXRBS 07:57:40 07:58:45 08:01:50 Importance=C6 Qual=03 Carr. Lon.=10deg
 UVSP 08:49 07:57:40 07:58:45 08:01:50 Peak...c/s=127 Qual=01 Flags=I
 Wavelength=1215A Associated Event # = 205 Pitch=-285",Yaw=-447"
 HXRBS 08:07:15 08:09:10 08:10:55 Peak...c/s=64 Qual=01 MaxkeV=52

Event # = 4274
 80/04/09,10:44 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W28 H. Ang=32deg
 GOES 10:33 10:44 10:50 Importance=C1 Qual=01 Carr. Lon.=10deg
 HXRBS 10:45:40 10:46:05 10:46:35 Peak...c/s=120 Qual=01 Carr. Lon.=10deg
 UVSP 10:30 10:45:40 10:46:05 10:46:35 Wavelength=1174A Code=00 Exp #=1229 MaxkeV=121
 Flags=I Step=15" Pitch=-274",Yaw=-450"
 Rast=10"x70"

Event # = 206
 80/04/09,12:09 DOY=100 Peak
 Start End times
 Optical SMM Pointing: N11W29 H. Ang=33deg
 GOES 12:09:03 12:09:13 12:09:53 Peak...c/s=122 Qual=11 Carr. Lon.=10deg
 HXRBS 12:09:03 12:09:13 12:09:53 Peak...c/s=122 Qual=11 Carr. Lon.=10deg
 UVSP 12:09:03 12:09:13 12:09:53 Peak...c/s=122 Qual=11 Carr. Lon.=10deg
 Wavelength=1174A Code=00 Exp #=1229 MaxkeV=74
 Flags=06 Tot Cts=1303

Event # = 207		80/04/09,12:20		DOY=100	SMM Pointing:		N11W29	Pitch=-263",Yaw=-453",Roll=0deg		H.Ang=33deg
GOES	Start	12:11	12:20	Peak	Importance=C3	End times	Qual=02			
HXRBS	Start	12:12:40	12:13:50	Peak...c/s=76	Peak...c/s=76	12:14:20	Qual=01	Tot Cts=836		
Event # = 20740		80/04/09,12:42		DOY=100	SMM Pointing:		S06W00	Pitch=+2",Yaw=-6",Roll=0deg		H.Ang=0deg
GOES	Start	13:39	17:06	Peak	Wavelength=1215A	End times	Qual=00			
UVSP	Start	12:42	17:06:00	Peak	PA=282deg	17:06:08	Faint and amorphous	Rast=187"x187" Step=3" Pitch=-16",Yaw=-18"		
C/P	Start	12:42	17:06:00	Peak	PA=282deg	17:06:08	Exp #=1230			
Event # = 208		80/04/09,17:06		DOY=100	SMM Pointing:		S06W01	Pitch=+0",Yaw=-18",Roll=0deg		H.Ang=1deg
GOES	Start	17:04	17:06	Peak	Importance=C2	End times	Qual=01			
HXRBS	Start	17:05:48	17:06:00	Peak...c/s=67	Peak...c/s=67	17:06:08	Qual=01	MaxkeV=52		
Event # = 209		80/04/09,18:37		DOY=100	SMM Pointing:		S06W00	Pitch=+0",Yaw=+0",Roll=0deg		H.Ang=0deg
GOES	Start	18:37:24	18:37:42	Peak	Peak...c/s=71	End times	Qual=00			
HXRBS	Start	18:37:24	18:37:42	Peak	Peak...c/s=71	18:37:54	Qual=01	Flags=EW		
Event # = 210		80/04/09,21:56		DOY=100	SMM Pointing:		N12W34	Pitch=-277",Yaw=-529",Roll=0deg		H.Ang=38deg
GOES	Start	21:54	21:56	Peak	Importance=C2	End times	Qual=01			
HXRBS	Start	21:56:09	21:56:23	Peak...c/s=85	Peak...c/s=85	21:56:59	Qual=01	MaxkeV=52		
UVSP	Start	21:41	21:56:09	Peak	Wavelength=2796A	21:56:59	Code=00	Rast=3"x3" Step=0" Pitch=+18",Yaw=+71"		
Event # = 20123		80/04/09,22:30		DOY=100	SMM Pointing:		N12W34	Pitch=-277",Yaw=-529",Roll=0deg		H.Ang=38deg
GOES	Start	22:21	22:30	Peak	Importance=C6	End times	Qual=05			
UVSP	Start	22:04	22:30	Peak	Wavelength=2800A	23:59	Loop may be double	Rast=3"x3" Step=0" Pitch=-263",Yaw=-468"		
C/P	Start	23:16	23:16	Peak	PA=260deg	21:00	Exp #=1238			
Event # = 211		80/04/10,01:17		DOY=101	SMM Pointing:		N12W35	Pitch=-277",Yaw=-545",Roll=0deg		H.Ang=40deg
GOES	Start	01:14	01:17	Peak	Importance=C1	End times	Qual=01			
HXRBS	Start	01:16:48	01:17:00	Peak...c/s=90	Peak...c/s=90	01:18:03	Qual=01	MaxkeV=52		
UVSP	Start	00:50	01:17:00	Peak	Wavelength=1215A	01:18:03	Code=00	Rast=120"x120" Step=1" Pitch=-268",Yaw=-540"		
Radio Sweeps	Start	00:50	01:17:00	Peak	Wavelength=1215A	01:18:03	Exp #=1246			

Event # = 212
 80/04/10,01:26 DOY=101 Peak End times
 SMM Pointing: N12W36
 Ha...Class=SN N24W25
 Importance=C2 Qual=01
 Peak...c/s=340 Qual=01
 Wavelength=1215A Code=00
 Type/Intensity: V/3
 Frequency(MHz)/Flux(sfu): 4995/10 8800/39
 Optical
 GOES 01:24 01:26 01:35
 HXRBS 01:24:30 01:25:30 01:26:14
 UVSP 00:50
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Pitch=-276", Yaw=-555", Roll=0deg
 Mac.=FKC Carr. Lon.=92deg
 MaxkeV=194
 Rast=120"x120" Step=1" Pitch=-268", Yaw=-540"
 H.Ang=40deg
 H.Ang=39deg

Event # = 213
 80/04/10,02:38 DOY=101 Peak End times
 SMM Pointing: N12W37
 Ha...Class=SF N21W07
 Importance=C5 Qual=01
 Peak...c/s=93 Qual=01
 Wavelength=1237A Code=00
 Type/Intensity: V/3
 Frequency(MHz)/Flux(sfu): 2695/13 4995/27 8800/45
 Optical
 GOES 02:32 02:38 02:43
 HXRBS 02:37:50 02:38:18 02:39:50
 UVSP 02:37
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Pitch=-279", Yaw=-569", Roll=0deg
 Mac.=EKI Carr. Lon.=73deg
 MaxkeV=52
 Rast=120"x120" Step=3" Pitch=-269", Yaw=-562"
 H.Ang=41deg
 H.Ang=28deg

Event # = 215
 80/04/10,02:52 DOY=101 Peak End times
 SMM Pointing: N12W37
 Ha...Class=SB S09E53
 Importance=C8 Qual=01
 Peak...c/s=385 Qual=01
 Wavelength=1237A Code=00
 Type/Intensity: V/3
 Frequency(MHz)/Flux(sfu): 245/13000 410/270 606/12
 Associated Event # = 214
 HXRBS 02:47:30 02:48:40 02:50:00 Peak...c/s=140 Qual=01 Tot Cts=6268
 Optical
 GOES 02:43 02:52 02:54
 HXRBS 02:50:50 02:51:18 02:52:30
 UVSP 02:38
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Pitch=-279", Yaw=-569", Roll=0deg
 Mac.=EKI Carr. Lon.=76deg
 MaxkeV=144
 Rast=21"x21" Step=3" Pitch=-262", Yaw=-533"
 H.Ang=41deg
 H.Ang=53deg
 H.Ang=32deg

Event # = 20033			
80/04/10,08:40 Start	D0Y=101 Peak	SMM Pointing: N12W40	
80:57	08:40	Pitch=-278",Yaw=-603",Roll=0deg	
80:53	08:46	H. Ang=44deg	
08:51	08:51	FePeak.c/s=14 #Peaks=1 XEN=10103	
		Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel	
		Rast=120"x120" Step=3" Pitch=-268",Yaw=-605"	
		Wavelength=1237A Code=02 Exp #=1260	
Event # = 219			
80/04/10,09:22 Start	D0Y=101 Peak	SMM Pointing: N12W41	
09:30	09:22	Pitch=-278",Yaw=-613",Roll=0deg	
09:28:00	09:18:50	H. Ang=45deg	
09:45	09:21	Mac.=EKI Carr. Lon.=105deg	
09:22	09:22	MaxkeV=194 Flags=M	
09:21	09:21	FePeak.c/s=886 #Peaks=1 dt= 6.0s XEN=10100	
		Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel	
		Peak...c/s=3826	
		Peak...c/s=3153	
08:53	08:53	Rast=21"x21" Step=3" Pitch=-246",Yaw=-661"	
		Wavelength=1237A Code=00 Exp #=1262	
		Frequency(MHz)/Flux(sfu): 2695/39 4995/150 8800/180 15400/77	
Event # = 220			
80/04/10,10:28 Start	D0Y=101 Peak	SMM Pointing: N12W42	
10:26	10:28	Pitch=-277",Yaw=-624",Roll=0deg	
10:24:10	10:27:10	H. Ang=45deg	
10:22	10:26	MaxkeV=144 Flags=AX	
10:27	10:26	FePeak.c/s=17 #Peaks=1 XEN=10130	
10:26	10:26	Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel	
10:27	10:26	Rast=3"x3" Step=0" Pitch=-242",Yaw=-641"	
		Wavelength=1234A Code=00 Exp #=1264	
Event # = 20034			
80/04/10,10:53 Start	D0Y=101 Peak	SMM Pointing: N12W42	
10:50	10:53	Pitch=-277",Yaw=-624",Roll=0deg	
10:54	10:54	H. Ang=45deg	
10:45	10:45	FePeak.c/s=17 #Peaks=3 dt= 6.0s XEN=10127	
		Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel	
		Rast=21"x21" Step=3" Pitch=-242",Yaw=-641"	
		Wavelength=1237A Code=00 Exp #=1265	
Event # = 20039			
80/04/10,12:47 Start	D0Y=101 Peak	SMM Pointing: N12W43	
12:47	12:47	Pitch=-277",Yaw=-634",Roll=0deg	
12:05	12:47	H. Ang=46deg	
		FePeak.c/s=14 #Peaks=1 XEN=10108	
		Rast=21"x21" Step=3" Pitch=-254",Yaw=-586"	
		Wavelength=1237A	
Event # = 221			
80/04/10,12:56 Start	D0Y=101 Peak	SMM Pointing: N12W43	
12:50	12:56	Pitch=-277",Yaw=-634",Roll=0deg	
12:51:34	12:52:50	H. Ang=46deg	
12:55	12:55	Mac.=EKI Carr. Lon.=107deg	
12:54	12:54	MaxkeV=52	
12:54	12:54	FePeak.c/s=38 #Peaks=1 XEN=10109	
12:05	12:54	Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel	
		Rast=21"x21" Step=3" Pitch=-254",Yaw=-586"	
		Wavelength=1237A Exp #=1268	

Event # = 20124
 80/04/10,17:02 DOY=101 H. Ang=49deg
 Start Peak Pitch=-275", Yaw=-665", Roll=0deg
 Optical SMM Pointing: N13W45 H. Ang=52deg
 Ha...Class=SB AR2372
 GOES 16:59 17:02 17:16 17:04 Qual=02
 BCS 17:00 17:02 17:04 17:04 FePeak=17:02 dt= 3.0s XEN=10110
 FCS 17:02 17:02 17:04 17:04 CaPeak.c/s=26 Step=15" Cad= 147s 1.024s/pixel
 Radio Frequency(MHz)/Flux(sfu): 245/530 410/1900
 Associated Event # = 20745
 BCS 17:06 17:06 17:06 17:06 Qual= 1 FePeak=17:06 FePeak.c/s=9 #Peaks=1 XEN=10112
 CaPeak.c/s=19

Event # = 20125
 80/04/10,17:24 DOY=101 H. Ang=49deg
 Start Peak Pitch=-275", Yaw=-665", Roll=0deg
 Optical SMM Pointing: N13W45 H. Ang=52deg
 Ha...Class=1B AR2372
 GOES 17:20 17:24 19:05 18:52 Qual=05
 BCS 18:22 18:26 18:52 18:52 CaPeak.c/s=46 dt= 3.0s XEN=10113
 FCS 18:22 18:22 18:26 18:26 Peak3...c/s=494 Step=15" Cad= 147s 1.024s/pixel
 HXIS 18:26 18:26 18:26 18:26 Peak...c/s=88
 Radio Frequency(MHz)/Flux(sfu): 410/36 606/26 1415/120 2695/190 4995/240

Event # = 222
 80/04/10,20:13 DOY=101 H. Ang=50deg
 Start Peak Pitch=-275", Yaw=-685", Roll=0deg
 Optical SMM Pointing: N13W47
 Ha...Class=C3
 GOES 20:12 20:13 20:20 20:20 Qual=01
 HXRBS 20:13:25 20:13:40 20:14:15 20:17 FePeak=20:14
 BCS 20:14 20:14 20:17 20:17 CaPeak.c/s=23
 FCS 20:15 20:15 20:17 20:17 Peak3...c/s=127
 UVSP 20:11 20:11 20:15 20:15 Wavelength=1395A Code=00 Exp #=1271
 MaxkeV=52 Flags=EW
 FePeak.c/s=8 #Peaks=1 XEN=10119
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Rast=3"x3" Step=0" Pitch=-227", Yaw=-670"

Event # = 223
 80/04/10,22:03 DOY=101 H. Ang=51deg
 Start Peak Pitch=-274", Yaw=-695", Roll=0deg
 Optical SMM Pointing: N13W48 H. Ang=47deg
 Ha...Class=1N
 GOES 21:52 22:03 22:45 22:05 Qual=01
 HXRBS 21:56:15 21:57:50 22:00:05 22:16 Tot Cts=3890
 BCS 22:03 22:08 22:16 22:16 FePeak=22:08
 FCS 22:05 22:05 22:16 22:16 CaPeak.c/s=31
 UVSP 22:03 22:03 22:05 22:05 Peak3...c/s=73
 Wave length=1414A Code=02 Exp #=1283
 MaxkeV=52 Flags=EW
 FePeak.c/s=6 #Peaks=1 XEN=10121
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Rast=3"x3" Step=0" Pitch=-227", Yaw=-681"

80/04/11 DOY=102
 Event # = 20040
 80/04/11,00:46 DOY=102 H. Ang=52deg
 Start Peak Pitch=-274", Yaw=-705", Roll=0deg
 Optical SMM Pointing: N13W49
 Ha...Class=C2
 GOES 00:40 00:46 00:55 00:47 Qual=05
 BCS 00:46 00:46 00:46 00:47 FePeak=00:46
 FCS 00:46 00:46 00:46 00:47 CaPeak.c/s=22
 UVSP 00:47 00:47 00:46 00:47 Peak3...c/s=132
 Wavelength=1214A Code=02 Exp #=1300
 FePeak.c/s=12 #Peaks=1 XEN=10200
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Rast=3"x3" Step=0" Pitch=-226", Yaw=-697"

Event # = 230
 80/04/11,06:41 Start DOY=102 Peak 06:41
 Optical
 GOES 06:30 06:31:20 06:32:50
 HXRBS 06:30:15 06:31:20 06:32:50
 BCS 06:29 06:32 06:32
 FCS 06:29 06:32 06:32
 UVSP 07:11 06:31
 C/P 07:56
 Radio Frequency(MHz)/Flux(sfu): 245/240 410/130 606/95
 BCS 07:09 07:09 07:09
 SMM Pointing: N13W52
 Ha...Class=SN N19W44
 Importance=C5 Qual=02
 Peak...c/s=100 Qual=03
 CaPeak.c/s=90 Qual=2
 Peak3...c/s=51
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20047
 FePeak.c/s=19 Qual=5
 FePeak.c/s=8 #Peaks=1
 XEN=10211
 SMM Pointing: N13W52
 Ha...Class=SN N19W44
 Importance=C5 Qual=02
 Peak...c/s=100 Qual=03
 CaPeak.c/s=90 Qual=2
 Peak3...c/s=51
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20047
 FePeak.c/s=19 Qual=5
 FePeak.c/s=8 #Peaks=1
 XEN=10211

Event # = 20063
 80/04/11,07:21 Start DOY=102 Peak 07:21
 Optical
 GOES 07:10 07:25 07:28
 HXRBS 07:25 07:25 07:29
 BCS 07:25 07:25 07:29
 FCS 07:25 07:25 07:29
 UVSP 07:18 07:27
 C/P 07:13 07:13
 Radio Frequency(MHz)/Flux(sfu): 245/240 410/130 606/95
 BCS 07:09 07:09 07:09
 SMM Pointing: N13W52
 Ha...Class=SN N19W44
 Importance=C5 Qual=02
 Peak...c/s=100 Qual=03
 CaPeak.c/s=90 Qual=2
 Peak3...c/s=51
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20062
 FePeak.c/s=19 Qual=1
 FePeak.c/s=7 #Peaks=1
 XEN=10212
 SMM Pointing: N13W52
 Ha...Class=SN N19W44
 Importance=C5 Qual=02
 Peak...c/s=100 Qual=03
 CaPeak.c/s=90 Qual=2
 Peak3...c/s=51
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20062
 FePeak.c/s=19 Qual=1
 FePeak.c/s=7 #Peaks=1
 XEN=10212

Event # = 231
 80/04/11,08:51 Start DOY=102 Peak 08:51
 Optical
 GOES 08:45 08:51 09:01
 HXRBS 08:50:00 08:50:01 08:51:10
 BCS 08:52 08:52 08:52
 UVSP 08:46 08:52
 C/P 08:13 08:13
 Radio Frequency(MHz)/Flux(sfu): 245/240 410/130 606/95
 BCS 07:09 07:09 07:09
 SMM Pointing: N13W53
 Ha...Class=SN N19W44
 Importance=C4 Qual=01
 Peak...c/s=72 Qual=01
 CaPeak.c/s=19 Qual=1
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20062
 FePeak.c/s=7 #Peaks=1
 XEN=10216
 SMM Pointing: N13W53
 Ha...Class=SN N19W44
 Importance=C4 Qual=01
 Peak...c/s=72 Qual=01
 CaPeak.c/s=19 Qual=1
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 20062
 FePeak.c/s=7 #Peaks=1
 XEN=10216

Event # = 232
 80/04/11,09:10 Start DOY=102 Peak 09:10
 Optical
 GOES 09:03 09:07:10 09:11:00
 HXRBS 09:02:50 09:07:10 09:11:00
 BCS 09:03 09:09 09:28
 FCS 09:03 09:21
 UVSP 08:54 09:21
 C/P 08:13 08:13
 Radio Frequency(MHz)/Flux(sfu): 245/240 410/130 606/95
 BCS 07:09 07:09 07:09
 SMM Pointing: N13W53
 Ha...Class=SN N19W44
 Importance=C8 Qual=01
 Peak...c/s=180 Qual=01
 CaPeak.c/s=107 Qual=1
 Peak3...c/s=44
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 1327
 FePeak.c/s=28 #Peaks=1
 XEN=10217
 SMM Pointing: N13W53
 Ha...Class=SN N19W44
 Importance=C8 Qual=01
 Peak...c/s=180 Qual=01
 CaPeak.c/s=107 Qual=1
 Peak3...c/s=44
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 1327
 FePeak.c/s=28 #Peaks=1
 XEN=10217

Event # = 233
 80/04/11,11:05 Start DOY=102 Peak 11:05
 Optical
 GOES 11:04 11:05 11:05
 HXRBS 11:05:15 11:05:15 11:05:25
 UVSP 10:30 11:05:15 11:05:25
 Radio Sweeps III/1
 C/P 11:05 11:05
 Radio Frequency(MHz)/Flux(sfu): 245/240 410/130 606/95
 BCS 07:09 07:09 07:09
 SMM Pointing: N13W55
 Importance=C2 Qual=01
 Peak...c/s=72 Qual=01
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 1329
 FePeak.c/s=52 #Peaks=1
 XEN=10211
 SMM Pointing: N13W55
 Importance=C2 Qual=01
 Peak...c/s=72 Qual=01
 Wavelength=1411A
 PA=280deg
 245/240 410/130 606/95
 Associated
 Event # = 1329
 FePeak.c/s=52 #Peaks=1
 XEN=10211

Event # = 234																				
80/04/11, 13:50	DOY=102	Peak	End times	SMM Pointing:	M12W59	AR2372	Pitch=-245", Yaw=-807", Roll=0deg		H. Ang=62deg											
Optical																				
GOES 13:49	13:50	14:00	14:00	Ha...Class=SB	N14W66	AR2372	Mac.=ESI		H. Ang=68deg											
HXRBS 13:48:30	13:50:10	13:51:55	13:51:55	Importance=C6	Qual=01															
BCS 13:49	13:51	13:58	13:58	Peak...c/s=1150	Qual=01	Tot Cts=77000	MaxkeV=144													
FCS	13:51			CaPeak.c/s=163	Qual=2	FePeak=13:51	FePeak.c/s=50	#Peaks=1												
HXIS	13:50			Peak3...c/s=2029			Rast=180"x180"	Step=15"	XEN=10220											
Radio				Peak...c/s=292				Cad=147s	1.024s/pixel											
	Frequency (MHz)/Flux(sfu):			2695/12																
Event # = 20064																				
80/04/11, 14:37	DOY=102	Peak	End times	SMM Pointing:	M12W59	FePeak=14:31	Pitch=-245", Yaw=-807", Roll=0deg		H. Ang=62deg											
GOES 14:21	14:37	14:50	14:50	Importance=C2	Qual=02															
BCS 14:29	14:31	14:32	14:32	CaPeak.c/s=21	Qual=1	FePeak=14:31	FePeak.c/s=13	#Peaks=1	XEN=10231											
FCS	14:32			Peak3...c/s=17			Rast=180"x180"	Step=15"	1.024s/pixel											
Event # = 235																				
80/04/11, 15:11	DOY=102	Peak	End times	SMM Pointing:	M12W59		Pitch=-245", Yaw=-807", Roll=0deg		H. Ang=62deg											
Optical																				
GOES 15:07	15:11	15:14	15:14	Ha...Class=SN	N14W66	AR2372	Mac.=ESI		H. Ang=68deg											
HXRBS 15:10:30	15:11:15	15:12:40	15:12:40	Importance=C3	Qual=04															
BCS 15:09	15:12	15:19	15:19	Peak...c/s=265	Qual=01	Tot Cts=10400	MaxkeV=144													
FCS	15:14			CaPeak.c/s=41	Qual=1	FePeak=15:12	FePeak.c/s=14	#Peaks=2	XEN=10222											
HXIS	15:13			Peak3...c/s=252			Rast=300"x300"	Step=15"	1.024s/pixel											
				Peak...c/s=80				Cad=410s												
Event # = 236																				
80/04/11, 17:03	DOY=102	Peak	End times	SMM Pointing:	M12W60		Pitch=-249", Yaw=-814", Roll=0deg		H. Ang=63deg											
GOES 17:00	17:03	17:05	17:05	Importance=C1	Qual=01															
HXRBS 17:02:55	17:03:00	17:03:30	17:03:30	Peak...c/s=72	Qual=01															
Event # = 237																				
80/04/11, 18:22	DOY=102	Peak	End times	SMM Pointing:	M13W62		Pitch=-252", Yaw=-826", Roll=0deg		H. Ang=64deg											
Optical																				
GOES 18:21	18:22	18:24	18:24	Ha...Class=SN	S18E05	AR2373	Mac.=CAO		H. Ang=13deg											
HXRBS 18:21:10	18:21:40	18:27:10	18:27:10	Importance=C7	Qual=01															
UVSP 18:22	18:21:10	18:27:10	18:27:10	Peak...c/s=260	Qual=01	Tot Cts=11000	MaxkeV=144													
Radio				WaveLength=1411A	Code=02	Exp # =1330	Rast=240"x240"	Step=4"	Pitch=-302", Yaw=-880"											
	Frequency (MHz)/Flux(sfu):			245/990 410/170 606/8 1415/10 2695/35 4995/30																
Event # = 238																				
80/04/11, 20:33	DOY=102	Peak	End times	SMM Pointing:	M13W63		Pitch=-255", Yaw=-833", Roll=0deg		H. Ang=65deg											
GOES 20:31	20:33	20:40	20:40	Importance=C2	Qual=01															
HXRBS 20:33:25	20:33:50	20:34:30	20:34:30	Peak...c/s=91	Qual=01															
BCS 20:34	20:34	20:37	20:37	CaPeak.c/s=29	Qual=1	FePeak=20:34	MaxkeV=52													
FCS	20:35			Peak3...c/s=169			FePeak.c/s=10	#Peaks=1	XEN=10225											
UVSP	20:04			WaveLength=1411A	Code=00	Exp # =1333	Rast=180"x180"	Step=15"	1.024s/pixel											
							Rast=60"x60"	Step=4"	Pitch=-234", Yaw=-805"											

Event # = 20065		DOY=102		SMM Pointing:		N13W63		Pitch=-255", Yaw=-834", Roll=0deg		H. Ang=65deg	
80/04/11,21:38	Start	21:38	Peak	Importance=C2	Qual=01			FePeak.c/s=8 #Peaks=1		XEN=10228	
GOES	21:31	21:35		CaPeak.c/s=19	Qual=1	FePeak=21:35		Rast=300"x300" Cad= 410s		1.024s/pixel	
BCS	21:35	21:35		Peak3...c/s=10		Exp #=1334		Rast=240"x240" Step=4"		Pitch=-305", Yaw=-892"	
FCS	21:35			WaveLength=1411A	Code=00						
UVSP	21:34										
Event # = 239		DOY=102		SMM Pointing:		N13W63		Pitch=-255", Yaw=-834", Roll=0deg		H. Ang=65deg	
80/04/11,21:42	Start	21:42	Peak	Ha...Class=SF	S11E53	AR2390		Carr. Lon.=350deg		H. Ang=53deg	
Optical	21:40	21:50		Importance=C3	Qual=01			MaxkeV=249		dt= 6.0s	
GOES	21:32:15	21:42:50	21:45:35	Peak...c/s=480	Qual=01	Tot Cts=10400		FePeak.c/s=10		XEN=10229	
HXRBS	21:44	21:46	21:48	CaPeak.c/s=28	Qual=1	FePeak=21:47		Rast=180"x180"		Cad= 147s	
BCS	21:44	21:46	21:48	Peak3...c/s=330		Exp #=1335		Rast=60"x60"		Pitch=-215", Yaw=-886"	
FCS	21:42			WaveLength=1411A	Code=02						
UVSP	21:42			Frequency(MHz)/Flux(sfu):	1415/190						
Radio											
Event # = 240		DOY=102		SMM Pointing:		N13W63		Pitch=-255", Yaw=-834", Roll=0deg		H. Ang=65deg	
80/04/11,22:03	Start	22:03	Peak	Importance=C1	Qual=01			MaxkeV=249		dt= 6.0s	
GOES	22:01	22:05		Peak...c/s=70	Qual=01	Exp #=1335		Rast=60"x60"		Pitch=-215", Yaw=-886"	
HXRBS	22:02:55	22:03:00	22:03:35	WaveLength=1411A	Code=00						
UVSP	21:42										
Event # = 241		DOY=102		SMM Pointing:		N13W63		Pitch=-255", Yaw=-834", Roll=0deg		H. Ang=65deg	
80/04/11,23:12	Start	23:12	Peak	Ha...Class=IN	N10W70	AR2372		Mac.=FKI		Carr. Lon.=112deg	
Optical	23:08	23:12	23:29	Ha...Class=SN	S30E22	AR2375		Carr. Lon.=20deg		H. Ang=71deg	
Optical	23:08	23:12	23:29	Importance=M2	Qual=04			MaxkeV=97		Flags=SN	
GOES	23:08:10	23:10:50	23:17:00	Peak...c/s=360	Qual=02	Tot Cts=32000		FePeak.c/s=68		#Peaks=1	
HXRBS	23:08	23:11	23:37	CaPeak.c/s=299	Qual=4	FePeak=23:10		Rast=300"x300"		Cad= 410s	
BCS	23:08	23:11	23:37	Peak3...c/s=1060		Exp #=1336		Rast=240"x240"		Pitch=-307", Yaw=-897"	
FCS	23:13	23:13		WaveLength=1411A	Code=00						
HXIS	23:09			Frequency(MHz)/Flux(sfu):	8800/56						
UVSP	23:09										
Radio											
Event # = 242		DOY=103		SMM Pointing:		N13W65		Pitch=-258", Yaw=-844", Roll=0deg		H. Ang=67deg	
80/04/12,00:58	Start	00:58	Peak	Ha...Class=1F	N13W72	AR2372		Mac.=FKI		Carr. Lon.=113deg	
Optical	00:51	01:25		Importance=C6	Qual=01			MaxkeV=53		Flags=EW	
GOES	00:51	00:58	01:25	Peak...c/s=115	Qual=01	Tot Cts=4640		FePeak.c/s=35		#Peaks=2	
HXRBS	00:54:10	00:56:30	00:57:35	CaPeak.c/s=172	Qual=1	FePeak=00:56		Rast=180"x180"		Cad= 147s	
BCS	00:51	00:57	01:16	Peak3...c/s=638		Exp #=1339		Rast=4"x32"		Pitch=-210", Yaw=-841"	
FCS	00:51	01:00		WaveLength=1411A	Code=00						
HXIS	00:58										
UVSP	00:54										
Radio											
80/04/12		DOY=103									

Event # = 243
80/04/12 02:20 DOY=103 Pitch=-258", Yaw=-844", Roll=0deg H.Ang=67deg
Start Peak
Optical N13W65
GOES 02:06 02:20 02:40 S32E25 Carr. Lon. = 15deg H.Ang=35deg
HXRB 02:20:00 02:20:30 02:21:25 Importance=C4 Qual=04
BCS 02:20 02:23 02:31 CaPeak.c/s=66 Qual=01
FCS 02:28 02:28 02:31 FePeak=02:23
UVSP 02:21 02:28 02:31 Wavelength=1411A Code=02 Exp #=1340
#Peaks=1 dt= 6.1s XEN=10303
Rast=300"x300" Step=15" Cad= 410s 1.024s/pixel
Rast=240"x240" Step=4" Pitch=-309", Yaw=-908"

Event # = 244
80/04/12 04:44 DOY=103 Pitch=-261", Yaw=-854", Roll=0deg H.Ang=69deg
Start Peak
Optical N14W66
GOES 04:39 04:44 04:54 N13W73 Carr. Lon. = 112deg H.Ang=75deg
HXRB 04:54:00 04:54:10 04:54:15 Importance=C2 Qual=01
UVSP 04:12 04:12 04:15 Peak...c/s=70 Qual=01
Wavelength=1238A Code=00 Exp #=1345
Flags=EW
Step=3" Pitch=-236", Yaw=-839"

Event # = 245
80/04/12 05:42 DOY=103 Pitch=-261", Yaw=-854", Roll=0deg H.Ang=69deg
Start Peak
GOES 05:40 05:42 05:44 N14W66
HXRB 05:41:30 05:41:40 05:43:40 Importance=C2 Qual=01
UVSP 05:37 05:37 05:40 Peak...c/s=490 Qual=01
Tot Cts=7680
Exp #=1347
Flags=FS
Step=3" Pitch=-313", Yaw=-918"

Event # = 246
80/04/12 06:02 DOY=103 Pitch=-261", Yaw=-854", Roll=0deg H.Ang=69deg
Start Peak
Optical N14W66
GOES 05:44 06:02 06:12 S30E19 Carr. Lon. = 19deg H.Ang=30deg
HXRB 05:52:00 05:55:30 06:03:55 Importance=C5 Qual=01
HXIS 06:02 06:02 06:02 Peak...c/s=345 Qual=01
UVSP 05:58 06:02 06:02 Wavelength=1237A Code=00 Exp #=1350
Radio Sweeps Type/Intensity: III/1
Radio Frequency(MHz)/Flux(sfu): 2695/12 4995/53 8800/57 15400/33

Event # = 247
80/04/12 06:38 DOY=103 Pitch=-261", Yaw=-854", Roll=0deg H.Ang=69deg
Start Peak
Optical N14W66
GOES 06:30 06:38 06:50 N12W60 Carr. Lon. = 98deg H.Ang=62deg
HXRB 06:30:10 06:30:50 06:31:25 Importance=C9 Qual=02
UVSP 05:58 06:30 06:31 06:31:25 Peak...c/s=71 Qual=01
Radio Frequency(MHz)/Flux(sfu): 606/11 1415/6 2695/33
Flags=EW
Step=3" Pitch=-238", Yaw=-844"

Event # = 248
80/04/12 08:46 DOY=103 Pitch=-265", Yaw=-865", Roll=0deg H.Ang=71deg
Start Peak
GOES 08:46:15 08:46:50 08:47:40 N14W68
HXRB 08:45 08:45 08:45 Peak...c/s=80 Qual=06
UVSP 08:45 08:45 08:45 Wavelength=1215A Qual=01
Radio Frequency(MHz)/Flux(sfu): 2695/76 4995/15 8800/27
Flags=EW
Step=0" Pitch=-241", Yaw=-846"

Event # = 249
 80/04/12,09:25 Start DOY=103 Peak
 SMM Pointing: N14W68 H.Ang=71deg
 Pitch=-265",Yaw=-865",Roll=0deg
 Optical 09:01 09:25 09:49 End times
 Ha...Class=SN S33E20 Mac.=FKI Carr.Lon.=16deg H.Ang=33deg
 Importance=M1 Qual=01
 GOES 09:07:40 09:20:40 09:28:30 Tot Cts=20000
 HXRBS 09:07:40 09:20:40 09:28:30 Peak...c/s=70 Exp #=1371
 UVSP 09:23 09:23 Wavelength=1213A Code=00 Step=0" Pitch=-242",Yaw=-847"
 Associated
 HXRBS 09:40:00 09:40:05 09:40:22 Event # = 250
 UVSP 09:38 09:40:00 09:40:05 09:40:22 Peak...c/s=140 Tot Cts=1101
 Wavelength=1213A Qual=01 Step=0" Pitch=-242",Yaw=-854"
 Exp #=1377

Event # = 251
 80/04/12,13:40 Start DOY=103 Peak
 SMM Pointing: N12W71 H.Ang=73deg
 Pitch=-225",Yaw=-888",Roll=0deg
 Optical 13:37 13:40 13:42 End times
 Ha...Class=SN S17W06 Mac.=CKO Carr.Lon.=40deg H.Ang=13deg
 Importance=C3 Qual=01
 GOES 13:37:55 13:38:25 13:41:25 Tot Cts=2600
 HXRBS 13:37:55 13:38:25 13:41:25 Peak...c/s=76 MaxkeV=53
 Radio Sweeps Type/Intensity: V/I

Event # = 252
 80/04/12,14:33 Start DOY=103 Peak
 SMM Pointing: N12W71 H.Ang=73deg
 Pitch=-225",Yaw=-888",Roll=0deg
 Optical 14:28 14:33 14:39 End times
 Ha...Class=SN S30E17 Mac.=FKI Carr.Lon.=16deg H.Ang=29deg
 Importance=C3 Qual=02
 GOES 14:28 14:33 14:39 Peak...c/s=145 Tot Cts=1824
 HXRBS 14:28:05 14:28:15 14:31:25 MaxkeV=53
 Flags=EG,DG

Event # = 253
 80/04/12,15:08 Start DOY=103 Peak
 SMM Pointing: N12W71 H.Ang=73deg
 Pitch=-225",Yaw=-888",Roll=0deg
 Optical 15:07 15:08 15:11 End times
 Ha...Class=SF N19W41 Mac.=FKC Carr.Lon.=74deg H.Ang=47deg
 Importance=C2 Qual=05
 GOES 15:08:10 15:08:30 15:09:35 Peak...c/s=60
 HXRBS 15:08:10 15:08:30 15:09:35 MaxkeV=53
 Flags=EW

Event # = 254
 80/04/12,15:26 Start DOY=103 Peak
 SMM Pointing: N12W71 H.Ang=73deg
 Pitch=-225",Yaw=-888",Roll=0deg
 Optical 15:23 15:26 16:12 End times
 Ha...Class=SN S17E48 Mac.=BXO Carr.Lon.=345deg H.Ang=48deg
 Importance=C3 Qual=03
 GOES 15:24:20 15:24:40 15:24:50 Peak...c/s=70 MaxkeV=53
 HXRBS 15:24:20 15:24:40 15:24:50 Associated Event # = 255
 UVSP 15:26:50 15:27:00 15:27:20 Peak...c/s=58 MaxkeV=53
 Flags=EW

Event # = 256
 80/04/12,16:45 Start DOY=103 Peak
 SMM Pointing: N12W71 H.Ang=73deg
 Pitch=-225",Yaw=-888",Roll=0deg
 Optical 16:43 16:45 16:48 End times
 Ha...Class=SN N13E25 Mac.=AXX Carr.Lon.=7deg H.Ang=31deg
 Importance=C1 Qual=05
 GOES 16:45:00 16:45:20 16:45:40 Peak...c/s=60 MaxkeV=53
 HXRBS 16:45:00 16:45:20 16:45:40

Event # = 257
 80/04/12,17:06 Start DOY=103 Peak
 SMM Pointing: N12W75 H.Ang=77deg
 Pitch=-225",Yaw=-905",Roll=0deg
 Optical 17:01 17:06 17:15 End times
 Ha...Class=SF S22W07 Mac.=CKO Carr.Lon.=39deg H.Ang=18deg
 Importance=C2 Qual=01
 GOES 17:09:20 17:09:35 17:09:40 Peak...c/s=75 MaxkeV=53
 HXRBS 17:09:20 17:09:35 17:09:40 Flags=EW

Event # = 258									
80/04/12,20:15	DOY=103		SMM Pointing:	N12W75		Pitch=-225", Yaw=-905", Roll=0deg		H. Ang=77deg	
Optical	Start	End times	Ha...Class=SM						
GOES	20:10	20:19	Importance=C5	N12W18				H. Ang=25deg	
HXRBS	20:14:40	20:15:20	Peak...c/s=115	Qual=01					
BCS	19:55	20:16	CaPeak.c/s=112	Qual=01	Tot Cts=1816	MaxkeV=53	Flags=EM		
FCS	20:21	20:21	Peak3...c/s=492	Qual=1	FePeak=20:10	FePeak.c/s=23	#Peaks=3	XEN=10306	
HXIS			Peak...c/s=220			Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel
UVSP	20:00		WaveLength=1372A	Code=00	Exp #=1385	Rast=240"x240"	Step=10"	Pitch=-271"	Yaw=-965"
Event # = 20128									
80/04/12,21:33	DOY=103		SMM Pointing:	N12W75		Pitch=-225", Yaw=-905", Roll=0deg		H. Ang=77deg	
Optical	Start	End times	Ha...Class=SM						
GOES	21:33		Importance=C5	Qual=00					
UVSP	21:33		WaveLength=1323A		Exp #=1386	Rast=10"x10"	Step=0"	Pitch=-271"	Yaw=-965"
C/P	21:33		PA=253deg	Narrow loop					
Event # = 259									
80/04/12,23:08	DOY=103		SMM Pointing:	N12W75		Pitch=-225", Yaw=-905", Roll=0deg		H. Ang=77deg	
Optical	Start	End times	Ha...Class=18						
Optical			Importance=C8	S32E01					
GOES	23:00	23:08	Peak...c/s=195	S17E48	AR2375	Mac.=FKI	Carr. Lon.=28deg	H. Ang=26deg	
HXRBS	23:07:00	23:07:22	WaveLength=1323A	Qual=05	AR2390		Carr. Lon.=341deg	H. Ang=48deg	
UVSP	23:08	23:08	Code=02	Qual=02	Tot Cts=5977	MaxkeV=97	Flags=SN		
Radio			410/190 606/40	Code=02	Exp #=1388	Rast=10"x10"	Step=0"	Pitch=-271"	Yaw=-965"
			1415/75 2695/21	4995/35	8800/70				
Event # = 20066									
80/04/13,01:09	DOY=104		SMM Pointing:	N12W78		Pitch=-224", Yaw=-917", Roll=0deg		H. Ang=80deg	
Optical	Start	End times	Ha...Class=SF						
GOES	01:00	01:50	Importance=C3	N14E50	AR2391	Mac.=DAO	Carr. Lon.=337deg	H. Ang=53deg	
BCS	01:06	01:19	CaPeak.c/s=47	Qual=01					
FCS	01:36	01:43	Peak3...c/s=84	Qual=1	FePeak=01:18	FePeak.c/s=10	#Peaks=1	XEN=10401	
UVSP	00:47		WaveLength=1372A	Code=00	Exp #=1391	Rast=180"x180"	Step=15"	Cad= 147s	1.024s/pixel
			410/190 606/40	Code=00	Exp #=1391	Rast=240"x240"	Step=10"	Pitch=-270"	Yaw=-972"
Event # = 260									
80/04/13,02:29	DOY=104		SMM Pointing:	N11W78		Pitch=-206", Yaw=-918", Roll=0deg		H. Ang=79deg	
Optical	Start	End times	Ha...Class=SN						
GOES	02:25	02:29	Importance=C2	S20W12	AR2373	Mac.=CKO	Carr. Lon.=39deg	H. Ang=18deg	
HXRBS	02:28:50	02:31:10	Peak...c/s=530	Qual=01					
BCS	02:26	02:26	CaPeak.c/s=19	Qual=1	Tot Cts=11103	MaxkeV=195	Flags=FS	XEN=10402	
FCS	02:24	02:26	Peak3...c/s=81	Qual=1	FePeak=02:26	FePeak.c/s=7	#Peaks=1	Cad= 410s	1.024s/pixel
UVSP	02:24		WaveLength=1372A	Code=00	Exp #=1393	Rast=300"x300"	Step=15"	Pitch=-251"	Yaw=-978"
Radio			410/640 606/150	Code=00	Exp #=1393	Rast=240"x240"	Step=10"	Pitch=-251"	Yaw=-978"
			1415/11 2695/24	4995/49	8800/78	15400/28			

Event # = 261
 80/04/13,04:09 Start DOY=104 Peak
 Optical 04:02 04:09 04:31 End times
 GOES 04:02:30 04:05:20 04:19:00
 HXRBS 04:03 04:07 04:54
 BCS 04:11
 FCS 04:07
 HXIS 03:59
 UVSP Frequency(MHz)/Flux(sfu):
 Radio 2695/64 4995/62 8800/61
 HXRBS 04:20:00 04:20:40 04:23:00 Peak...c/s=100
 SMM Pointing: N11W78
 Ha...Class=IF
 Importance=M1
 Peak...c/s=800
 CaPeak.c/s=530
 Peak3...c/s=1826
 Peak...c/s=1099
 Wavelength=1372A
 Code=00
 Exp # = 1395
 Exp # = 262
 Event # = 262
 Tot Cts=60211
 FePeak=04:07
 Rast=180"x180" Step=15" Cad= 147s XEN=10400
 #Peaks=1
 Flags=M
 Carr. Lon.=103deg
 H. Ang=78deg
 Pitch=-206", Yaw=-918", Roll=0deg
 H. Ang=79deg
 Mac.=DAO
 MaxkeV=144
 FePeak.c/s=233
 Rast=180"x180" Step=15" Cad= 147s
 Pitch=10" Step=10" XEN=10400
 Yaw=-978"
 MaxkeV=98

Event # = 263
 80/04/13,04:59 Start DOY=104 Peak
 Optical 04:54 04:59 05:08 End times
 GOES 04:53:00 04:53:30 04:55:00
 HXRBS 05:33
 UVSP Wave length=1323A
 SMM Pointing: N11W78
 Ha...Class=SN
 Importance=C6
 Peak...c/s=550
 Wave length=1323A
 Code=00
 Exp # = 1396
 Exp # = 265
 Event # = 265
 Tot Cts=9683
 FePeak=05:44
 Rast=180"x180" Step=15" Cad= 147s XEN=10400
 #Peaks=1
 dt=11.3s
 Carr. Lon.=9deg
 H. Ang=29deg
 Pitch=-206", Yaw=-918", Roll=0deg
 H. Ang=79deg
 Mac.=FKI
 MaxkeV=121
 Rast=10"x10" Step=0" XEN=10400
 Yaw=-978"
 Pitch=10" Step=10"

Event # = 264
 80/04/13,05:45 Start DOY=104 Peak
 Optical 05:43 05:45 05:50 End times
 GOES 05:45:48 05:45:54 05:46:10
 HXRBS 05:31 05:44 06:24
 BCS 05:34
 FCS 05:36
 UVSP Wavelength=1372A
 Code=00
 Exp # = 1397
 Exp # = 265
 Event # = 265
 Tot Cts=3704
 FePeak=05:44
 Rast=180"x180" Step=15" Cad= 147s XEN=10400
 #Peaks=1
 dt=11.3s
 Carr. Lon.=103deg
 H. Ang=81deg
 Pitch=-206", Yaw=-928", Roll=0deg
 H. Ang=83deg
 Mac.=DAO
 MaxkeV=98
 FePeak.c/s=6
 Rast=180"x180" Step=15" Cad= 147s
 Pitch=10" Step=10" XEN=10400
 Yaw=-982"
 MaxkeV=53
 MaxkeV=98

Event # = 20131
 80/04/13,08:43 Start DOY=104 Peak
 Optical 08:33 08:43 08:48 End times
 GOES 08:42 08:42 09:11
 BCS 08:43
 FCS 08:41
 HXIS 08:45
 UVSP Extrap St=04/13,08:30 PA=302ddeg
 C/P 09:15
 SMM Pointing: N12W81
 Ha...Class=SN
 Importance=C6
 CaPeak.c/s=169
 Peak3...c/s=490
 Peak...c/s=396
 Wavelength=3108A
 Code=02
 Exp # = 1401
 Exp # = 266
 Event # = 266
 Tot Cts=08:42
 FePeak=08:42
 Rast=180"x180" Step=15" Cad= 147s XEN=10400
 #Peaks=2
 Carr. Lon.=103deg
 H. Ang=81deg
 Pitch=-206", Yaw=-928", Roll=0deg
 H. Ang=83deg
 Mac.=DAO
 FePeak.c/s=46
 Rast=180"x180" Step=15" Cad= 147s
 Pitch=3" Step=3" XEN=10400
 Yaw=-986"
 Rast=240"x240" Step=3" XEN=10400
 Yaw=-986"
 Spike, sugg. cntr. struc. earlier event

Event # = 269
80/04/13, 09:06 DOY=104
Start Peak End times
GOES 09:01 09:06 09:14
HXRB 09:03:20 09:04:10 09:05:58
BCS 09:03 09:06 09:12
FCS 08:57
UVSP
Radio Frequency (MHz)/Flux(sfu): 606/110 1415/39 2695/64 4995/44 8800/110
SMM Pointing: Pitch=-206", Yaw=-941", Roll=0deg
Importance=C6
Peak...c/s=2000
CaPeak.c/s=115
Peak3...c/s=176
Wavelength=15.48A Code=00 Exp #=1402
Rast=180"x180" Step=15" Cad= 148s
Rast=240"x240" Step=3" Pitch=-263", Yaw=-999"
15400/80
MaxkeV=249
Flags=M
HXRB 09:00:20 09:00:45 09:00:58
Associated Event # = 267
Qual=01
HXRB 09:02:00 09:02:15 09:02:35
Associated Event # = 268
Qual=01
HXRB 09:06:30 09:06:45 09:07:00
Associated Event # = 270
Qual=01
HXRB 09:07:10 09:07:32 09:08:05
Associated Event # = 271
Qual=01
HXRB 09:13:22 09:13:34 09:13:44
Associated Event # = 272
Qual=01
MaxkeV=75
MaxkeV=98
MaxkeV=53
MaxkeV=53
MaxkeV=98

Event # = 273
80/04/13, 10:24 DOY=104
Start Peak End times
GOES 10:23 10:24 10:25
HXRB 10:23:45 10:23:58 10:25:00
Radio Frequency (MHz)/Flux(sfu): 245/730 410/240 606/110 1415/32
SMM Pointing: Pitch=-207", Yaw=-931", Roll=0deg
Importance=C2
Peak...c/s=260
CaPeak.c/s=24
Peak3...c/s=152
MaxkeV=98
Flags=FS
H. Ang=84deg

Event # = 274
80/04/13, 11:13 DOY=104
Start Peak End times
Optical
GOES 11:09 11:13 11:51
HXRB 11:11:50 11:13:00 11:14:00
BCS 11:01 11:12 11:18
FCS 11:06
Radio Frequency (MHz)/Flux(sfu): 245/2200 410/89 606/360 1415/39 2695/16 8800/21
SMM Pointing: Pitch=-207", Yaw=-931", Roll=0deg
Ha...Class=1B
Importance=C4
Peak...c/s=92
CaPeak.c/s=24
Peak3...c/s=152
MaxkeV=53
FePeak.c/s=18
Rast=180"x180" Step=15" Cad= 147s
Carr. Lon.=337deg
#Peaks=1
dt=11.3s
XEN=10407
H. Ang=84deg
H. Ang=49deg

Event # = 275
80/04/13, 12:30 DOY=104
Start Peak End times
Optical
GOES 12:26 12:30 12:41
HXRB 12:27:25 12:29:42 12:31:19
BCS 12:48 12:49 12:52
FCS 12:50
Radio Frequency (MHz)/Flux(sfu): 245/2200 410/89 606/360 1415/39 2695/16 8800/21
SMM Pointing: Pitch=-207", Yaw=-931", Roll=0deg
Ha...Class=SN
Importance=C3
Peak...c/s=490
CaPeak.c/s=29
Peak3...c/s=177
MaxkeV=144
FePeak.c/s=16
Rast=180"x180" Step=15" Cad= 147s
Carr. Lon.=17deg
#Peaks=1
XEN=10408
H. Ang=84deg
H. Ang=4deg

Event # = 277
80/04/13, 12:50 DOY=104
Start Peak End times
Optical
GOES 12:41 12:50 13:04
HXRB 12:44:10 12:47:20 12:47:30
Radio Frequency (MHz)/Flux(sfu): 245/2200 410/89 606/360 1415/39 2695/16 8800/21
SMM Pointing: Pitch=-207", Yaw=-931", Roll=0deg
Ha...Class=S8
Importance=C3
Peak...c/s=87
MaxkeV=121
Carr. Lon.=335deg
#Peaks=1
XEN=10408
H. Ang=84deg
H. Ang=49deg

Event # = 20737
 80/04/13,15:18 DOY=104 Peak
 Start End times
 15:12 15:23
 BCS 15:15 15:32
 SMM Pointing: N13W76 H. Ang=77deg
 Importance=C2
 CaPeak.c/s=29

Event # = 278
 80/04/13,16:54 DOY=104 Peak
 Start End times
 16:50 17:10
 Optical 16:54 17:10
 GOES 16:50 17:10
 HXRBS 16:52:30 16:53:20 16:54:30
 Ha...Class=SN
 Importance=C3
 Peak...c/s=54
 AR2391
 MaxkeV=53
 H. Ang=25deg
 H. Ang=46deg

Event # = 279
 80/04/13,17:15 DOY=104 Peak
 Start End times
 17:10 17:20
 Optical 17:10 17:20
 GOES 17:10 17:20
 HXRBS 17:10:20 17:11:30 17:12:00
 SMM Pointing: S29E01 H. Ang=23deg
 Ha...Class=SF
 Importance=C2
 Peak...c/s=82
 AR2390
 MaxkeV=75
 H. Ang=28deg

Event # = 280
 80/04/13,18:55 DOY=104 Peak
 Start End times
 18:49 19:00
 Optical 18:49 19:00
 GOES 18:49 19:00
 HXRBS 18:51:00 18:54:00 18:55:07
 UVSP 18:19 18:55:07
 SMM Pointing: N13W76 H. Ang=77deg
 Ha...Class=SB
 Importance=C5
 Peak...c/s=160
 Wavelength=1215A
 Code=01
 AR2377
 Tot Cts=5825
 Exp #=1404
 H. Ang=2deg
 Pitch=-243", Yaw=-903", Roll=0deg
 Carr. Lon.=16deg
 Mac.=EKI
 MaxkeV=98
 Rast=60"x60" Step=1" Pitch=-205", Yaw=-947"

Event # = 6768
 80/04/13,20:01 DOY=104 Peak
 Start End times
 19:54 20:20
 Optical 19:54 20:20
 GOES 19:54 20:20
 HXRBS 19:54:50 19:55:30 19:56:10
 UVSP 19:56 19:56:10
 Radio Sweeps Type/Intensity: II/I
 SMM Pointing: N13W76 H. Ang=77deg
 Ha...Class=SN
 Importance=C5
 Peak...c/s=100
 Wavelength=1215A
 Code=00
 AR2389
 Tot Cts=1400
 Exp #=1405
 H. Ang=44deg
 Pitch=-243", Yaw=-903", Roll=0deg
 Carr. Lon.=341deg
 Mac.=CR0
 MaxkeV=98
 Rast=60"x60" Step=1" Pitch=-205", Yaw=-947"

Event # = 281
 80/04/13,21:34 DOY=104 Peak
 Start End times
 21:27 21:50
 Optical 21:27 21:50
 GOES 21:30:00 21:34:00 21:35:15
 HXRBS 21:30:00 21:34:00 21:35:15
 UVSP 21:31 21:35:15
 Radio Frequency(MHz)/Flux(sfu): 410/780
 SMM Pointing: N13W76 H. Ang=77deg
 Ha...Class=SN
 Importance=C4
 Peak...c/s=90
 Wavelength=1215A
 Code=00
 Exp #=1406
 AR2375
 Flags=SM,AX
 Step=1" Pitch=-205", Yaw=-947"

Event # = 282
 80/04/13,21:53 DOY=104 Peak
 Start End times
 21:51 21:57
 Optical 21:51 21:57
 GOES 21:50:10 21:50:52 21:52:00
 HXRBS 21:50:10 21:50:52 21:52:00
 UVSP 21:31 21:52:00
 SMM Pointing: N13W76 H. Ang=77deg
 Ha...Class=SN
 Importance=C3
 Peak...c/s=96
 Wavelength=1215A
 Code=00
 Exp #=1406
 AR2377
 Carr. Lon.=14deg
 Mac.=EKI
 MaxkeV=53
 Rast=60"x60" Step=1" Pitch=-205", Yaw=-947"

Event # = 288	DOY=105	SMM Pointing:	N13W90	AR2372	H. Ang=91deg
80/04/14, 11:55	Peak				
Optical	End times				
GOES 11:51	11:55	Ha...Class=SN	S05W09	AR2377	Mac.=EKI Carr. Lon.=17deg
HXRBS 11:53:10	11:54:40	Importance=C2	Qual=04		
Radio	Frequency(MHz)/Flux(sfu):	Peak...c/s=170	Qual=02	Tot Cts=1321	MaxkeV=98 Flags=SN
		606/73 2695/14			
Event # = 289	DOY=105	SMM Pointing:	N13W75		H. Ang=77deg
80/04/14, 20:10	Peak				
Optical	End times				
GOES 20:02	20:10	Ha...Class=IB	S18E24	AR2390	Mac.=CR0 Carr. Lon.=340deg
HXRBS 20:04:10	20:08:30	Importance=C5	Qual=01		
UVSP 19:52	20:05:10	Peak...c/s=420	Qual=01	Tot Cts=13500	MaxkeV=250
Radio Sweeps	Type/Intensity:	Wavelength=1371A	Code=00	Exp #=1420	Rast=141"x141" Step=6" Pitch=-243", Yaw=-911"
Radio	Frequency(MHz)/Flux(sfu):	V/3			
		245/50 410/47 606/34 1415/32 2695/14 4995/110 8800/130 15400/70			
Event # = 290	DOY=105	SMM Pointing:	N13W75		H. Ang=77deg
80/04/14, 20:37	Peak				
Optical	End times				
GOES 20:29	20:37	Ha...Class=IN	S31W10	AR2375	Mac.=FK0 Carr. Lon.=14deg
HXRBS 20:25:20	20:28:35	Importance=C9	Qual=03		
UVSP 19:52	20:28:35	Peak...c/s=115	Qual=01	Tot Cts=2466	MaxkeV=98
		Wavelength=1371A	Code=01	Exp #=1420	Rast=141"x141" Step=6" Pitch=-243", Yaw=-911"
		Associated		Event # = 291	
HXRBS 20:30:45	20:33:40	Peak...c/s=105	Qual=01	Tot Cts=4039	MaxkeV=53
Event # = 292	DOY=105	SMM Pointing:	N13W75		H. Ang=77deg
80/04/14, 21:39	Peak				
Optical	End times				
GOES 21:35	21:39	Ha...Class=IB	S33W03	AR2375	Mac.=FK0 Carr. Lon.=6deg
HXRBS 21:36:00	21:38:20	Importance=M1	Qual=01		
UVSP 21:29	21:38:20	Peak...c/s=350	Qual=01	Tot Cts=37724	MaxkeV=121
Radio	Frequency(MHz)/Flux(sfu):	Wavelength=1371A	Code=00	Exp #=1421	Rast=141"x141" Step=6" Pitch=-243", Yaw=-911"
		245/110 410/140 1415/50			
Event # = 20134	DOY=105	SMM Pointing:	N13W75		H. Ang=77deg
80/04/14, 23:09	Peak				
GOES	End times				
UVSP 23:04	23:09	Wavelength=1371A	Qual=00		
C/P		PA=16deg		Exp #=1422	Rast=141"x141" Step=6" Pitch=-243", Yaw=-911"
		Perhaps more interior or prom. material			
Event # = 293	DOY=106	SMM Pointing:	N13W76	AR2372	H. Ang=78deg
80/04/15, 05:51	Peak				
Optical	End times				
GOES 05:45	05:51	Ha...Class=SB	S17E15	AR2390	Mac.=BX0 Carr. Lon.=343deg
HXRBS 05:47:30	05:48:50	Importance=M1	Qual=01		
UVSP 05:36	05:48:50	Peak...c/s=780	Qual=01	Tot Cts=21791	MaxkeV=250
Radio Sweeps	Type/Intensity:	Wavelength=1402A	Code=00	Exp #=1430	Rast=60"x60" Step=4" Pitch=-400", Yaw=-870"
Radio	Frequency(MHz)/Flux(sfu):	I1/2 V/2			
		245/190 410/19 606/130 1415/33 2695/86 4995/56 8800/33 15400/11			

Event # = 294											
80/04/15,08:51	DOY=106	SMM Pointing:	S32W21							Pitch=+426", Yaw=-290", Roll=0deg	H. Ang=33deg
Start	Peak	End times									
GOES 08:50	08:51	08:56	Qual=01								
HXRBS 08:51:20	08:51:35	08:51:40	Qual=01							MaxkeV=53	Flags=ND
UVSP 08:41			Code=00	Exp #=1436						Rast=240" x240"	Step=3" Pitch=+375", Yaw=-334"
Event # = 20133											
80/04/15,10:41	DOY=106	SMM Pointing:	N13W73							Pitch=-243", Yaw=-894", Roll=0deg	H. Ang=75deg
Start	Peak	End times	Qual=00								
C/P 10:41	Extrap St=04/15,09:56	PA=96deg	Irregular blob or loop								
Event # = 295											
80/04/15,15:12	DOY=106	SMM Pointing:	N11W82							Pitch=-196", Yaw=-930", Roll=0deg	H. Ang=83deg
Start	Peak	End times	N18E12							Mac.=DAO	Carr. Lon.=341deg
Optical			Qual=01								H. Ang=26deg
GOES 15:06	15:12	15:28	Ha...Class=1B	AR2389							
HXRBS 15:08:00	15:10:25	15:19:40	Importance=M8								
UVSP 15:29			Peak...c/s=19000								
Radio	Frequency(MHz)/Flux(sfu):	1415/270 4995/110 8800/84 15400/100	Qual=01	Tot Cts=9.50E+5							
Event # = 20136											
80/04/15,23:07	DOY=106	SMM Pointing:	N12W85							Pitch=-198", Yaw=-935", Roll=0deg	H. Ang=86deg
Start	Peak	End times	Qual=00								
GOES 23:05											
UVSP 23:07	Extrap St=04/15,21:15	PA=47deg		Exp #=1445						Rast=58" x58"	Step=3" Pitch=-177", Yaw=-961"
Event # = 296											
80/04/16,01:04	DOY=107	SMM Pointing:	N12W86							Pitch=-198", Yaw=-936", Roll=0deg	H. Ang=87deg
Start	Peak	End times	N19E09							Mac.=CS0	Carr. Lon.=339deg
Optical			Qual=01	AR2389							H. Ang=26deg
GOES 00:56	01:04	01:15	Ha...Class=1B								
HXRBS 01:00:40	01:03:30	01:05:10	Importance=M1								
UVSP 00:42			Peak...c/s=108								
Radio	Frequency(MHz)/Flux(sfu):	8800/37	Code=00	Tot Cts=8063							
Event # = 297											
80/04/16,01:16	DOY=107	SMM Pointing:	N12W86							Pitch=-198", Yaw=-936", Roll=0deg	H. Ang=87deg
Start	Peak	End times	Qual=01								
GOES 01:15	01:16	01:19	Importance=C7								
HXRBS 01:15:20	01:16:10	01:17:50	Peak...c/s=71								
UVSP 00:42			Wavelength=1215A	Exp #=1446							
Event # = 298											
80/04/16,02:56	DOY=107	SMM Pointing:	N11W84							Pitch=-198", Yaw=-934", Roll=0deg	H. Ang=86deg
Start	Peak	End times	Qual=01								
GOES 02:55	02:56	03:01	Importance=C1								
HXRBS 02:55:40	02:56:00	02:56:10	Peak...c/s=91								
UVSP 02:17			Wavelength=1215A	Exp #=1447							

Event # = 299	80/04/16 04:08	DOY=107									Pitch=-198", Yaw=-934", Roll=0deg	H. Ang=86deg
	Start	Peak				SMM Pointing:	N11W84					
Optical				End times		Ha...Class=SN	N20E01					
GOES	04:03	04:08		04:14		Importance=C6	Qual=01	AR2389		Carr. Lon.=345deg		H. Ang=25deg
HXRBS	04:02:00	04:07:00		04:09:00		Peak...c/s=280	Qual=01	Tot Cts=21633		Flags=ND		
UVSP	03:54					Wavelength=1215A	Code=00	Exp #=1448		Step=3"	Pitch=-176", Yaw=-961"	
Event # = 300	80/04/16 05:42	DOY=107										
	Start	Peak		End times		SMM Pointing:	S11W25				Pitch=+104", Yaw=-397", Roll=0deg	H. Ang=25deg
Optical						Ha...Class=IN	N13E07					
GOES	05:37	05:42		05:50		Importance=C3	Qual=01	AR2391		Carr. Lon.=338deg		H. Ang=20deg
HXRBS	05:38:00	05:40:30		05:44:20		Peak...c/s=120	Qual=01	Tot Cts=5358		MaxkeV=75		
UVSP	05:29					Wavelength=2792A	Code=00	Exp #=1451		Step=3"	Pitch=+59", Yaw=-382"	
Event # = 301	80/04/17											
	Start	Peak		End times		SMM Pointing:	S09W35				Pitch=+84", Yaw=-540", Roll=0deg	H. Ang=35deg
Optical						Ha...Class=IB	S14E90				Carr. Lon.=245deg	H. Ang=89deg
GOES	01:03	01:06		01:09		Importance=C2	Qual=01	AR2396				
HXRBS	01:04:05	01:05:15		01:05:25		Peak...c/s=77	Qual=01	Tot Cts=1479		MaxkeV=53		
UVSP	00:43					Wavelength=1394A	Code=00	Exp #=1479		Rast=59"x59"	Step=4"	Pitch=+55", Yaw=-657"
Event # = 4267	80/04/17 03:01	DOY=108										
	Start	Peak		End times		SMM Pointing:	S09W35				Pitch=+83", Yaw=-538", Roll=0deg	H. Ang=35deg
Optical						Importance=C2	Qual=03					
GOES	02:47	03:01		03:14		Peak...c/s=76	Qual=01			Flags=I		
HXRBS	02:49:15	02:50:30		02:51:40		Wavelength=1402A	Code=00	Exp #=1481		Step=4"	Pitch=+71", Yaw=-601"	
UVSP	02:20											
Event # = 302	80/04/17 04:47	DOY=108										
	Start	Peak		End times		SMM Pointing:	S09W37				Pitch=+84", Yaw=-564", Roll=0deg	H. Ang=37deg
Optical						Ha...Class=IN	N20W08				Carr. Lon.=341deg	H. Ang=27deg
GOES	04:36	04:47		05:03		Importance=C7	Qual=01	AR2389		Mac.=CR0		
HXRBS	04:36:50	04:37:50		04:39:55		Peak...c/s=75	Qual=01	Tot Cts=1483		MaxkeV=53		
UVSP	03:55					Wavelength=1402A	Code=00	Exp #=1483		Rast=60"x60"	Step=4"	Pitch=+107", Yaw=-522"
Event # = 303	80/04/17 06:22	DOY=108										
	Start	Peak		End times		SMM Pointing:	S09W36				Pitch=+83", Yaw=-561", Roll=0deg	H. Ang=36deg
Optical						Importance=C2	Qual=03					
GOES	06:21	06:22		06:26		Peak...c/s=70	Qual=01			MaxkeV=53		
HXRBS	06:22:15	06:22:40		06:23:20		Wavelength=1401A	Code=00	Exp #=1487		Rast=4"x4"	Step=0"	Pitch=+117", Yaw=-516"
UVSP	05:40											
Event # = 6751	80/04/17 07:54	DOY=108										
	Start	Peak		End times		SMM Pointing:	S09W38				Pitch=+83", Yaw=-584", Roll=0deg	H. Ang=38deg
Optical						Importance=C2	Qual=01					
GOES	07:51	07:54		07:56		Peak...c/s=66	Qual=01			MaxkeV=53		
HXRBS	07:50:51	07:52:57		07:53:13		Wavelength=1401A	Code=00	Exp #=1490		Rast=4"x4"	Step=0"	Pitch=+135", Yaw=-554"
UVSP	07:16					V/2						
Radio Sweeps		Type/Intensity:				410/6 606/35 1415/27						
Radio Frequency (MHz)/Flux(sfu):												

Event # = 304																						
80/04/17, 20:06																						
GOES	19:56																					
HXRBS	19:58:00																					
UVSP	20:05																					
Event # = 20140																						
80/04/17, 23:05																						
GOES	23:01																					
UVSP	23:05																					
C/P	23:05																					
Event # = 305																						
80/04/17, 23:24																						
Optical																						
GOES	23:12																					
HXRBS	23:14:10																					
UVSP	23:21																					
Radio	Frequency	(MHz)/Flux(sfu):																				
Event # = 306																						
80/04/18, 06:34																						
Optical																						
GOES	06:22																					
HXRBS	06:20:05																					
BCS	06:25																					
FCS	06:25																					
UVSP	07:00																					
Radio	Sweeps	Type/Intensity:																				
Event # = 20068																						
80/04/18, 06:58																						
Optical																						
GOES	06:53																					
BCS	07:00																					
FCS	07:01																					
UVSP	07:00																					
Radio	Sweeps	Type/Intensity:																				
Event # = 307																						
80/04/18, 20:05																						
Optical																						
GOES	20:03																					
HXRBS	20:01:00																					
UVSP	19:56																					

80/04/19		DOY=110	
Event # = 308			
80/04/19,01:19	DOY=110		
Start	Peak		
GOES 01:18	01:19	End times	
HXRBS 01:19:45	01:19:48	01:20:03	
UVSP 00:55			
SMM Pointing:	N20W34		Pitch=-388", Yaw=-504", Roll=0deg H.Ang=42deg
Importance=C2	Qual=01		
Peak...c/s=1000	Qual=01	Tot Cts=3030	
Wavelength=1549A	Code=00	Exp #=1768	MaxkeV=469 Flags=NS
			Rast=120"x120" Step=3" Pitch=-380", Yaw=-502"
Event # = 309			
80/04/19,02:52	DOY=110		
Start	Peak		
GOES 02:49	02:52	End times	
HXRBS 02:40:00	02:40:40	02:41:30	
UVSP 02:32			
SMM Pointing:	N20W35		Pitch=-389", Yaw=-523", Roll=0deg H.Ang=43deg
Importance=C4	Qual=01		
Peak...c/s=140	Qual=01	Tot Cts=2435	
Wavelength=1548A	Code=00	Exp #=1772	MaxkeV=53
Radio Sweeps	Type/Intensity:		Rast=120"x120" Step=3" Pitch=-380", Yaw=-581"
	V/2		
Event # = 20665			
80/04/19,05:32	DOY=110		
Start	Peak		
GOES 05:29		End times	
UVSP 05:32	Extrap St=04/19,21:30		
C/P	PA=222deg		
SMM Pointing:	N20W37		Pitch=-389", Yaw=-545", Roll=0deg H.Ang=44deg
Wavelength=1547A	Qual=00		
		Exp #=1778	Rast=240"x240" Step=3" Pitch=-440", Yaw=-594"
Event # = 310			
80/04/20,01:08	DOY=111		
Start	Peak		
GOES 01:07	01:08	End times	
HXRBS 01:08:10	01:08:40	01:09:25	
UVSP 01:07			
SMM Pointing:	S11E59		Pitch=+142", Yaw=+807", Roll=0deg H.Ang=59deg
Importance=C1	Qual=01		
Peak...c/s=75	Qual=01		
Wavelength=1215A	Code=00	Exp #=1804	MaxkeV=53
			Rast=240"x240" Step=3" Pitch=+98", Yaw=+759"
Event # = 311			
80/04/20,02:52	DOY=111		
Start	Peak		
Optical		End times	
GOES 02:47	02:52	03:00	
HXRBS 02:48:15	02:48:25	02:50:40	
BCS 02:49	02:51	02:55	
FCS	02:52		
HXIS	02:53		
UVSP 02:13			
SMM Pointing:	S11E59		Pitch=+142", Yaw=+807", Roll=0deg H.Ang=59deg
Ha...Class=SN	S10E58		Mac.=EKI Carr.Lon.=236deg H.Ang=58deg
Importance=C2	Qual=01	AR2396	
Peak...c/s=105	Qual=01		
CaPeak.c/s=38	Qual=1	Tot Cts=1960	MaxkeV=75
Peak3...c/s=259		FePeak=02:51	FePeak.c/s=17 #Peaks=1 dt= 3.0s XEN=11100
			Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
		Exp #=1806	Rast=240"x240" Step=3" Pitch=+97", Yaw=+759"
Event # = 312			
80/04/20,15:08	DOY=111		
Start	Peak		
Optical		End times	
GOES 15:07	15:08	15:10	
HXRBS 15:08:15	15:08:20	15:08:30	
SMM Pointing:	S05W00		Pitch=+0", Yaw=+0", Roll=0deg H.Ang=0deg
Ha...Class=SN	N16W24		Mac.=DAO Carr.Lon.=311deg H.Ang=32deg
Importance=C1	Qual=01	AR2391	
Peak...c/s=90	Qual=01		MaxkeV=75
Event # = 313			
80/04/20,15:54	DOY=111		
Start	Peak		
GOES 15:53	15:54	15:57	
HXRBS 15:53:55	15:54:05	15:54:45	
SMM Pointing:	S05W00		Pitch=+0", Yaw=+0", Roll=0deg H.Ang=0deg
Importance=C1	Qual=03		
Peak...c/s=135	Qual=01	Tot Cts=710	MaxkeV=75

Event # = 20666											
80/04/20,16:41	DOY=111		SMM Pointing:		N15W54	Pitch=-295", Yaw=-744", Roll=0deg			H. Ang=57deg		
Start	Peak		End times		Qual=00						
GOES											
C/P	16:41	Extrap	St=04	14:50	PA=316deg						
Event # = 314											
80/04/20,19:57	DOY=111		SMM Pointing:		N15W55	Pitch=-293", Yaw=-760", Roll=0deg			H. Ang=58deg		
Start	Peak		End times		AR2404						
Optical			Ha...Class=SF			Mac.=BX0			Carr. Lon.=222deg		
GOES	19:54	19:57	Importance=C2			MaxkeV=53			H. Ang=65deg		
HXRBS	19:56:05	19:56:09	Peak...c/s=97			Pitch=-341", Yaw=-832"					
UVSP											
Event # = 315											
80/04/20,20:20	DOY=111		SMM Pointing:		N15W55	Pitch=-293", Yaw=-760", Roll=0deg			H. Ang=58deg		
Start	Peak		End times		AR2397						
Optical			Ha...Class=SB			Mac.=BX0			H. Ang=41deg		
GOES	20:18	20:20	Importance=C1			MaxkeV=53			Pitch=-418", Yaw=-892"		
HXRBS	20:19:40	20:20:00	Peak...c/s=90								
UVSP											
Event # = 316											
80/04/20,21:43	DOY=111		SMM Pointing:		N15W56	Pitch=-292", Yaw=-763", Roll=0deg			H. Ang=59deg		
Start	Peak		End times		AR2375						
Optical			Ha...Class=LN			Mac.=DS0			H. Ang=84deg		
GOES	21:31	21:43	Importance=C3			MaxkeV=53			Pitch=-259", Yaw=-926"		
HXRBS	21:33:00	21:37:10	Peak...c/s=60			Associated Event # = 317			Pitch=-281", Yaw=-892"		
UVSP						Qual=01					
Event # = 318											
80/04/21,03:08	DOY=112		SMM Pointing:		N13E81	Pitch=-228", Yaw=+920", Roll=0deg			H. Ang=82deg		
Start	Peak		End times								
GOES			Peak...c/s=670			MaxkeV=469			H. Ang=82deg		
HXRBS	03:08:04	03:08:09	Wavelength=1172A			Rast=34"x4"			Flags=NS		
UVSP	02:21					Step=0"			Step=0"		
Event # = 319											
80/04/21,04:10	DOY=112		SMM Pointing:		N13E81	Pitch=-228", Yaw=+920", Roll=0deg			H. Ang=82deg		
Start	Peak		End times		AR2396						
Optical			Ha...Class=SN			Mac.=EKI			H. Ang=37deg		
GOES	03:55	04:10	Importance=C3			MaxkeV=53			H. Ang=37deg		
HXRBS	04:05:50	04:07:00	Peak...c/s=70			Rast=180"x180"			Step=3"		
UVSP	04:02		Wavelength=1305A			Code=01			Exp #=1840		
Event # = 20143											
80/04/21,05:22	DOY=112		SMM Pointing:		N13E81	Pitch=-228", Yaw=+920", Roll=0deg			H. Ang=82deg		
Start	Peak		End times								
GOES	05:18	05:22	Importance=C1			FePeak.c/s=9			#Peaks=1		
BGS	05:24	05:24	CaPeak.c/s=20			Rast=0"x0"			Cad=.26s		
FCS	05:24	05:25	Peak3...c/s=62			Step=0"			Pitch=+125", Yaw=+556"		
UVSP	05:25	05:25				FePeak=05:24			XEN=11200		

Event # = 321
80/04/21, 05:42 Start DOY=112 Peak
SMM Pointing: S14E41 Pitch=+175", Yaw=+613", Roll=0deg H. Ang=42deg
Optical Ha...Class=SF N13W60 Carr. Lon.=339deg H. Ang=62deg
Optical Ha...Class=IN N14E62 Carr. Lon.=217deg H. Ang=64deg
Optical Ha...Class=SF N19W56 Carr. Lon.=335deg H. Ang=60deg
GOES 05:36 05:42 05:58 Importance=C4 Qual=01 Tot Cts=5145
HXRB 05:41:45 05:42:07 05:42:35 Peak...c/s=540 Qual=01
UVSP Associated Event # = 320
HXRB 05:39:27 05:39:43 05:40:17 Peak...c/s=160 Qual=01 Tot Cts=2327
UVSP Associated Event # = 322
HXRB 05:42:56 05:43:02 05:44:16 Peak...c/s=280 Qual=01 Tot Cts=4702
UVSP

Event # = 323
80/04/21, 06:01 Start DOY=112 Peak
SMM Pointing: S14E41 Pitch=+175", Yaw=+613", Roll=0deg H. Ang=42deg
Optical Ha...Class=SB N23E39 Carr. Lon.=240deg H. Ang=47deg
GOES 05:58 06:01 06:12 Importance=C2 Qual=01
HXRB 05:52:40 05:53:40 05:54:30 Peak...c/s=55 Qual=01
UVSP MaxkeV=53 Pitch=+125", Yaw=+556"

Event # = 20144
80/04/21, 06:19 Start DOY=112 Peak
SMM Pointing: S14E41 Pitch=+175", Yaw=+613", Roll=0deg H. Ang=42deg
Optical Ha...Class=SF S12E22 Carr. Lon.=257deg H. Ang=23deg
GOES 06:15 06:19 06:28 Importance=C3 Qual=03 FePeak=06:18
BCS 06:14 06:18 06:25 CaPeak.c/s=45 Qual=1 FePeak=11201
FCS 06:17 06:17 06:20 Peak3..c/s=160 Peak=0" dt= 6.0s XEN=11201
HXIS 06:20 06:20 06:20 Peak....c/s=96 Rast=0" Cad=.26s 0.256s/pixel
UVSP Pitch=+125", Yaw=+556"

Event # = 20145
80/04/21, 12:41 Start DOY=112 Peak
SMM Pointing: S14E38 Pitch=+173", Yaw=+566", Roll=0deg H. Ang=38deg
GOES 12:34 12:41 12:47 Importance=C2 Qual=01
BCS 12:35 12:38 12:49 CaPeak.c/s=67 Qual=1 FePeak=12:38
FCS 12:37 12:40 12:40 Peak3..c/s=105 Peak=0" dt= 3.0s XEN=11203
HXIS 12:40 12:40 12:40 Peak....c/s=106 Rast=0" Cad=.26s 0.256s/pixel

Event # = 324
80/04/21, 18:31 Start DOY=112 Peak
SMM Pointing: N13W66 Pitch=-246", Yaw=-854", Roll=0deg H. Ang=68deg
GOES 18:26 18:31 18:41 Importance=C2 Qual=01
HXRB 18:27:15 18:27:58 18:28:05 Peak...c/s=125 Qual=01 Tot Cts=860
UVSP Wavelength=1548A Code=00 Exp #=1867
Pitch=120"x120" Step=3" Pitch=-259", Yaw=-865"

Event # = 20146		80/04/21, 21:23		DOY=112	SMM Pointing:		M13467	Pitch=-246", Yaw=-858", Roll=0deg		H.Ang=69deg
Optical	Start	End times	Peak	Ha...Class=SM	AR2396	Qual=01	Mac.=EKI	Carr. Lon.=235deg	H.Ang=36deg	
GOES	21:22	21:30	21:23	Importance=C2	FePeak=21:26	Qual=5	FePeak.c/s=10	#Peaks=1	XEN=11204	
BCS	21:26	21:31	21:26	CaPeak.c/s=26	Exp #=1872	Peak3...c/s=173	Rast=0"x0"	Step=0"	0.256s/pixel	
FCS	21:28		21:28	Wave length=1542A	Code=02	Wave length=1547A	Rast=3"x3"	Step=0"	Pitch=-340", Yaw=-853"	
UVSP	21:23									
Event # = 325		80/04/21, 23:12		DOY=112	SMM Pointing:		S12E31	Pitch=+133", Yaw=+487", Roll=0deg		H.Ang=32deg
Optical	Start	End times	Peak	Ha...Class=SB	AR2375	Qual=01	MaxkeV=53	Carr. Lon.=360deg	H.Ang=87deg	
GOES	23:05	23:28	23:12	Importance=C2	Exp #=1877	Qual=01	Rast=240"x240"	Step=3"	Pitch=+88", Yaw=+447"	
HRBS	23:06:00	23:08:30	23:06:50	Peak...c/s=90		Code=00				
UVSP	23:04			Wave length=1547A						
Event # = 20147		80/04/21, 23:35		DOY=112	SMM Pointing:		S12E31	Pitch=+133", Yaw=+487", Roll=0deg		H.Ang=32deg
Optical	Start	End times	Peak	Importance=C1		Qual=01	FePeak.c/s=15	#Peaks=1	XEN=11206	
GOES	23:32	23:41	23:35	CaPeak.c/s=26	FePeak=23:35	Qual=1	Rast=0"x0"	Step=0"	0.256s/pixel	
BCS	23:35	23:40	23:35	Peak3...c/s=221	Exp #=1879	Code=00	Rast=120"x120"	Step=3"	Pitch=+148", Yaw=+473"	
FCS	23:36		23:36	Wave length=1547A						
UVSP	23:18									
Event # = 20735		80/04/21, 23:46		DOY=112	SMM Pointing:		S12E31	Pitch=+133", Yaw=+487", Roll=0deg		H.Ang=32deg
Optical	Start	End times	Peak	Importance=C2		Qual=01	FePeak.c/s=7	#Peaks=1	XEN=11208	
GOES	23:41	23:50	23:46	CaPeak.c/s=26	FePeak=23:45	Qual=1	Rast=0"x0"	Step=0"	0.256s/pixel	
BCS	23:43	23:47	23:45	Peak3...c/s=246	Exp #=1879	Code=00	Rast=120"x120"	Step=3"	Pitch=+148", Yaw=+473"	
FCS	23:44		23:44	Wave length=1547A						
UVSP	23:18									
Event # = 326		80/04/22, 01:01		DOY=113	SMM Pointing:		S12E30	Pitch=+129", Yaw=+469", Roll=0deg		H.Ang=31deg
Optical	Start	End times	Peak	Importance=C1		Qual=01	MaxkeV=53	Carr. Lon.=240deg	H.Ang=29deg	
GOES	01:00	01:06	01:01	CaPeak.c/s=80	Tot Cts=5161	Qual=01	Rast=120"x120"	#Peaks=1	XEN=11300	
HRBS	01:00:50	01:01:40	01:01:20	Peak...c/s=112	FePeak=01:19	Qual=1	Rast=0"x0"	Step=0"	0.256s/pixel	
UVSP	00:55		00:55	Wave length=1547A	Exp #=1883	Code=00				
Event # = 327		80/04/22, 01:22		DOY=113	SMM Pointing:		S12E30	Pitch=+129", Yaw=+469", Roll=0deg		H.Ang=31deg
Optical	Start	End times	Peak	Ha...Class=SF	AR2396	Qual=01	Mac.=EKI	Carr. Lon.=240deg	H.Ang=29deg	
GOES	01:15	01:31	01:22	Importance=C3	Exp #=1884	Qual=01	MaxkeV=53	#Peaks=1	XEN=11300	
HRBS	01:17:10	01:19:10	01:18:30	Peak...c/s=112		Qual=1	FePeak.c/s=25	Step=0"	0.256s/pixel	
BCS	01:17	01:31	01:21	CaPeak.c/s=82		Code=00	Rast=6"x6"	Step=3"	Pitch=+148", Yaw=+467"	
FCS	01:29		01:29	Peak3...c/s=341						
HXIS	01:26			Wave length=1547A						
UVSP	01:18									

Event # = 328
80/04/22, 05:22 Start DOY=113 Peak
Optical SMM Pointing: S12E28 Pitch=+126", Yaw=+444", Roll=0deg H. Ang=29deg
GOES 05:16 05:22 05:35 Ha...Class=SN S12E28 Mac. =EKI Carr. Lon. =238deg H. Ang=29deg
HXRBS 05:21:30 05:21:41 05:24:00 Importance=C8 Qual=05 AR2396 FePeak=SN
BCS 05:21 05:22 06:14 CaPeak.c/s=316 Peak...c/s=92 Qual=02 FePeak.c/s=94 #Peaks=1 XEN=11302
FCS 05:24 05:24 06:14 CaPeak.c/s=316 Peak3...c/s=1404 Qual=5 FePeak=05:22 Rast=0"x0" Cad=.26s 0.256s/pixel
HXIS 05:22 05:22 05:22 Peak...c/s=652 WaveLength=1397A Code=02 Exp #=1925 Rast=4"x4" Step=0" Pitch=+135", Yaw=+453"
UVSP 05:31:28 05:31:50 05:31:58 Peak...c/s=60 Associated Event # = 329
HXRBS 05:31:28 05:31:50 05:31:58 Peak...c/s=60 Qual=01 MaxkeV=53

Event # = 330
80/04/22, 07:19 Start DOY=113 Peak
GOES 07:09 07:19 07:24 SMM Pointing: S12E27 Pitch=+126", Yaw=+420", Roll=0deg H. Ang=27deg
HXRBS 07:14:20 07:19:10 07:21:00 Importance=C1 Qual=01 MaxkeV=122 Carr. Lon. =238deg H. Ang=27deg
UVSP 07:00 07:00 07:00 Peak...c/s=60 Qual=01 FePeak=07:35 #Peaks=1 XEN=11307
Wavelength=2792A Code=00 Exp #=1929 Rast=240"x240" Step=3" Pitch=+76", Yaw=+364"

Event # = 20069
80/04/22, 07:35 Start DOY=113 Peak
GOES 07:35 07:35 07:38 SMM Pointing: S12E27 Pitch=+126", Yaw=+420", Roll=0deg H. Ang=27deg
BCS 07:35 07:35 07:38 CaPeak.c/s=21 Qual=00 FePeak=07:35 #Peaks=1 XEN=11307
UVSP 07:28 07:28 07:28 Wavelength=2798A Qual=1 Exp #=1930 Rast=3"x3" Step=0" Pitch=+134", Yaw=+345"

Event # = 20148
80/04/22, 07:59 Start DOY=113 Peak
GOES 07:50 07:59 08:01 SMM Pointing: S12E27 Pitch=+126", Yaw=+420", Roll=0deg H. Ang=27deg
BCS 07:48 07:58 08:00 Importance=C2 Qual=02 FePeak=07:58 dt= 6.0s XEN=11310
FCS 07:59 07:59 08:00 CaPeak.c/s=33 Qual=2 FePeak=07:58 Cad=.26s 0.256s/pixel
UVSP 07:52 07:52 07:52 Peak3...c/s=124 WaveLength=2801A Code=00 Exp #=1931 Rast=0"x0" Step=0" Pitch=+134", Yaw=+345"

Event # = 20746
80/04/22, 08:35 Start DOY=113 Peak
GOES 08:34 08:35 08:35 SMM Pointing: S12E27 Pitch=+126", Yaw=+420", Roll=0deg H. Ang=27deg
BCS 08:34 08:35 08:35 CaPeak.c/s=22 Qual=00 FePeak=08:35 #Peaks=1 XEN=11314
UVSP 09:03 09:03 09:03 Wavelength=2792A Qual=6 Exp #=1932 Rast=240"x240" Step=3" Pitch=-460", Yaw=+338"

Event # = 20149
80/04/22, 11:58 Start DOY=113 Peak
GOES 11:17 11:58 13:10 SMM Pointing: S12E24 Pitch=+128", Yaw=+387", Roll=0deg H. Ang=25deg
BCS 11:45 11:47 12:47 Importance=C3 Qual=04 FePeak=11:47 dt= 3.0s XEN=11313
FCS 11:46 11:46 11:44 CaPeak.c/s=89 Qual=8 FePeak=11:47 #Peaks=1 Step=0" Cad=.26s
HXIS 11:44 11:44 11:44 Peak3...c/s=189 Peak...c/s=144 Rast=0"x0" Step=0" Cad=.26s 0.256s/pixel

80/04/24 DOY=115

Event # = 331
 80/04/24, 05:58 DOY=115
 Start Peak
 Optical SMM Pointing: S13E02 Pitch=+137", Yaw=+36", Roll=0deg H. Ang=9deg
 GOES 05:48 05:58 06:00 Ha...Class=SN S13E04 AR2396 Mac.=EKI H. Ang=9deg
 HXRBS 05:50:30 05:57:40 05:58:00 Importance=C2 Qual=01 Tot Cts=6835 MaxkeV=75
 BCS 05:50 05:53 06:00 CaPeak.c/s=63 Peak...c/s=270 FePeak.c/s=26 dt= 3.0s XEN=11500
 FCS 05:53 05:53 06:00 Peak3...c/s=259 Rast=0"x0" Step=0" Cad=.26s
 HXIS 05:45 05:56 05:56 Peak...c/s=104
 UVSP WaveLength=1547A Code=00 Exp #=1985 Rast=6"x6" Pitch=+146", Yaw=-65"
 Radio Frequency(MHz)/Flux(sfu): 245/11 410/900 606/19 1415/12 2695/23 4995/33 8800/26

Event # = 4262
 80/04/24, 09:33 DOY=115
 Start Peak
 Optical SMM Pointing: S13W00 Pitch=+136", Yaw=-2", Roll=0deg H. Ang=8deg
 GOES 09:28 09:33 09:35 Ha...Class=SB S13W03 AR2396 Mac.=EKI H. Ang=11deg
 HXRBS 09:30:10 09:30:55 09:33:37 Importance=C1 Qual=02 Carr. Lon.=241deg
 UVSP 09:19 09:19 09:19 Peak...c/s=112 Qual=01 Tot Cts=2211 MaxkeV=122
 Radio Frequency(MHz)/Flux(sfu): 245/930 410/850 606/12 1415/15 2695/17 4995/19 Flags=1
 Rast=3"x43" Step=10" Pitch=+120", Yaw=-92"

Event # = 20668
 80/04/24, 10:58 DOY=115
 Start Peak
 GOES SMM Pointing: S13W00 Pitch=+134", Yaw=-4", Roll=0deg H. Ang=8deg
 C/P 10:58 Extrap St=04/24, 10:13 PA=166deg Qual=00

Event # = 20667
 80/04/24, 11:55 DOY=115
 Start Peak
 GOES SMM Pointing: S13W02 Pitch=+137", Yaw=-37", Roll=0deg H. Ang=9deg
 C/P 11:55 Extrap St=04/24, 23:00 PA=255deg Qual=00
 Loop is very faint

Event # = 332
 80/04/24, 18:18 DOY=115
 Start Peak
 Optical SMM Pointing: S13W04 Pitch=+138", Yaw=-71", Roll=0deg H. Ang=9deg
 GOES 17:54 18:18 18:36 Ha...Class=SN S13E04 AR2396 Mac.=EKI H. Ang=9deg
 HXRBS 18:07:50 18:09:30 18:10:05 Importance=C4 Qual=01 Carr. Lon.=229deg
 BCS 18:08 18:15 19:01 Peak...c/s=77 Qual=01 Tot Cts=18:14 MaxkeV=53
 FCS 18:16 18:16 19:01 CaPeak.c/s=135 Qual=1 FePeak.c/s=30 #Peaks=1 dt= 3.0s XEN=11501
 HXIS 18:10 18:10 18:10 Peak3...c/s=286 Rast=0"x0" Step=0" Cad=.26s
 UVSP WaveLength=1393A Code=00 Exp #=1997 Rast=180"x180" Step=3" Pitch=+127", Yaw=-82"

80/04/25 DOY=116

Event # = 333
 80/04/25, 11:08 DOY=116
 Start Peak
 GOES SMM Pointing: S13W12 Pitch=+134", Yaw=-199", Roll=0deg H. Ang=15deg
 HXRBS 11:00 11:08 11:13 Importance=C3 Qual=03
 HXRBS 11:02:00 11:04:05 11:05:05 Peak...c/s=80 Qual=01
 MaxkeV=53

Event # = 334						
80/04/25,19:10	Start	DOY=116	Peak			
Optical	End times	S13W19				
GOES 19:08	19:30	S16E78				H. Ang=20deg
HXRBS 19:10:00	19:10:10	Qual=03	AR2411	Carr. Lon.=141deg		H. Ang=77deg
UVSP 19:45	19:10:05	Peak...c/s=65		Step=0"	Pitch=+40"	Yaw=-310"
	19:10:05	Wavelength=1209A	Exp #=2036			
SMM Pointing:						
			S13W19			
Ha...Class=SF						
Importance=C1						
Peak...c/s=65						
Wavelength=1209A						
Event # = 335						
80/04/25,20:44	Start	DOY=116	Peak			
Optical	End times	S13W20				
GOES 20:37	20:49	S17E80				H. Ang=21deg
HXRBS 20:40:40	20:41:30	Qual=03	AR2411	Carr. Lon.=138deg		H. Ang=79deg
UVSP 20:21	20:41:00	Peak...c/s=88		Step=0"	Pitch=+40"	Yaw=-315"
	20:41:30	Wavelength=1191A	Exp #=2040			
SMM Pointing:						
			S13W20			
Ha...Class=SM						
Importance=C3						
Peak...c/s=88						
Wavelength=1191A						
80/04/26 DOY=117						
Event # = 336						
80/04/26,01:03	Start	DOY=117	Peak			
Optical	End times	S13W23				
GOES 00:56	01:05	Qual=01				H. Ang=24deg
HXRBS 00:57:40	01:01:00	Qual=01				
UVSP 00:41	01:04:00	Code=00	Tot Cts=5243	Step=10"	Pitch=+41"	Yaw=-352"
	01:04:00	Wavelength=1295A	Exp #=2054			
SMM Pointing:						
			S13W23			
Importance=C6						
Peak...c/s=83						
Wavelength=1295A						
Event # = 337						
80/04/26,01:09	Start	DOY=117	Peak			
Optical	End times	S13W23				
GOES 01:05	01:14	Qual=01				H. Ang=24deg
HXRBS 01:06:30	01:07:50	Qual=01				
UVSP 00:41	01:09:50	Code=00	Tot Cts=3154	Step=10"	Pitch=+41"	Yaw=-352"
	01:09:50	Wavelength=1295A	Exp #=2054			
SMM Pointing:						
			S13W23			
Importance=C8						
Peak...c/s=98						
Wavelength=1295A						
Event # = 338						
80/04/26,01:20	Start	DOY=117	Peak			
Optical	End times	S13W23				
GOES 01:16	01:35	Qual=01				H. Ang=24deg
HXRBS 01:10:00	01:15:40	Qual=03				
UVSP 00:41	01:21:40	Code=00	Tot Cts=1720	Flags=EN	Pitch=+41"	Yaw=-352"
	01:21:40	Wavelength=1295A	Exp #=2054	Step=10"		
SMM Pointing:						
			S13W23			
Importance=C5						
Peak...c/s=65						
Wavelength=1295A						
Event # = 339						
80/04/26,03:33	Start	DOY=117	Peak			
Optical	End times	S13W23				
GOES 03:26	03:45	S18E68				H. Ang=25deg
HXRBS 03:45:00	03:45:30	Qual=05	AR2411	Carr. Lon.=146deg		H. Ang=68deg
UVSP 03:46	03:46:00	Qual=01				
	03:46:00	Peak...c/s=63	Exp #=2060	Step=3"	Pitch=+164"	Yaw=-362"
	03:46:00	Wavelength=1237A				
SMM Pointing:						
			S13W23			
Ha...Class=SB						
Importance=M2						
Peak...c/s=63						
Wavelength=1237A						
Event # = 340						
80/04/26,03:49	Start	DOY=117	Peak			
Optical	End times	S13W24				
GOES 03:45	04:12	S18E68				H. Ang=25deg
HXRBS 03:48:00	03:48:30	Qual=01	AR2411	Carr. Lon.=146deg		H. Ang=68deg
UVSP 03:47	03:47:00	Qual=01				
	03:47:00	Peak...c/s=68	Exp #=2061	Step=0"	Pitch=+174"	Yaw=-348"
	03:47:00	Wavelength=1235A				
SMM Pointing:						
			S13W24			
Ha...Class=SB						
Importance=C8						
Peak...c/s=68						
Wavelength=1235A						

Event # = 341									
80/04/26,06:08	DOY=117	Peak	End times	SMM Pointing:	S13W25	AR2411	Pitch=+145",Yaw=-390",Roll=0deg	H.Ang=26deg	
Optical				Ha...Class=SN	S18E68		Mac.=EAI		
GOES 06:03	06:08	06:13	06:13	Importance=C7	Qual=01		Carr.Lon.=145deg	H.Ang=68deg	
HXRBS 06:02:10	06:03:25	06:10:00	06:10:00	Peak...c/s=305	Qual=01	Tot Cts=9011	MaxkeV=122		
UVSP 05:41				WaveLength=1215A	Code=00	Exp #=2066	Rast=120"x120" Step=1"	Pitch=+164",Yaw=-379"	
Event # = 342									
80/04/26,07:22	DOY=117	Peak	End times	SMM Pointing:	S13W26	AR2411	Pitch=+146",Yaw=-403",Roll=0deg	H.Ang=27deg	
Optical				Ha...Class=SB	S17E69		Mac.=EAI		
GOES 07:20	07:22	07:27	07:27	Importance=C5	Qual=01		Carr.Lon.=143deg	H.Ang=69deg	
HXRBS 07:20:12	07:20:50	07:22:27	07:22:27	Peak...c/s=125	Qual=02	Tot Cts=3572	MaxkeV=53	Flags=SA	
Event # = 343									
80/04/26,09:43	DOY=117	Peak	End times	SMM Pointing:	S13W27	AR2411	Pitch=+147",Yaw=-422",Roll=0deg	H.Ang=28deg	
Optical				Ha...Class=SB	S14E59		Mac.=EAI		
GOES 09:31	09:43	09:53	09:53	Importance=C8	Qual=02		Carr.Lon.=152deg	H.Ang=59deg	
HXRBS 09:32:30	09:34:05	09:34:30	09:34:30	Peak...c/s=86	Qual=01		MaxkeV=53		
Event # = 344									
80/04/26,11:48	DOY=117	Peak	End times	SMM Pointing:	S13W28	AR2407	Pitch=+148",Yaw=-444",Roll=0deg	H.Ang=29deg	
Optical				Ha...Class=SN	S30W29		Mac.=DKO		
GOES 11:42	11:48	11:57	11:57	Importance=C4	Qual=02		Carr.Lon.=239deg	H.Ang=37deg	
HXRBS 11:43:30	11:44:45	11:46:50	11:46:50	Peak...c/s=135	Qual=03	Tot Cts=7938	MaxkeV=53	Flags=ES	
BCS 11:44	11:46	11:46	11:46	CaPeak.c/s=26					
Event # = 345									
80/04/26,12:29	DOY=117	Peak	End times	SMM Pointing:	S13W28		Pitch=+148",Yaw=-444",Roll=0deg	H.Ang=29deg	
Optical				Importance=C2	Qual=01				
GOES 12:27	12:29	12:37	12:37	Peak...c/s=305	Qual=01	Tot Cts=1680	MaxkeV=122	Flags=M	
HXRBS 12:29:00	12:29:06	12:29:25	12:29:25						
Event # = 346									
80/04/26,12:49	DOY=117	Peak	End times	SMM Pointing:	S13W28	AR2411	Pitch=+148",Yaw=-444",Roll=0deg	H.Ang=29deg	
Optical				Ha...Class=SN	S15E61		Mac.=EAI		
GOES 12:43	12:49	12:56	12:56	Importance=C5	Qual=02		Carr.Lon.=148deg	H.Ang=61deg	
HXRBS 12:44:35	12:45:55	12:46:15	12:46:15	Peak...c/s=78	Qual=03		MaxkeV=53	Flags=EN	
Event # = 347									
80/04/26,20:32	DOY=117	Peak	End times	SMM Pointing:	S17E61	AR2411	Pitch=-211",Yaw=+981",Roll=0deg	H.Ang=61deg	
Optical				Ha...Class=1B	Qual=01		Mac.=EAI		
GOES 20:28	20:32	20:36	20:36	Importance=M5	Qual=01		Carr.Lon.=144deg	H.Ang=61deg	
HXRBS 20:30:43	20:31:40	20:39:58	20:39:58	Peak...c/s=4200	Qual=01	Tot Cts=2.09E+5	MaxkeV=312	Flags=M	
GRS 20:31:17	20:32:22	20:32:22	20:32:22	Max.E...MeV= 0.7		Nuclear.Line=N	Rast=60"x240"	Step=3"	Dur=65sec
UVSP 20:21				WaveLength=1216A	Code=00	Exp #=2085	Rast=60"x240"	Step=3"	Pitch=-170",Yaw=+917"
Radio	Frequency (MHz)/Flux(sfu):	245/22	410/44	606/170	1415/41	2695/120	4995/150	8800/190	15400/140

Event # = 348
80/04/26,21:40 DOY=117 SMM Pointing: S19W00 Pitch=+240",Yaw=+1",Roll=0deg H.Ang=15deg
Start Peak End times

GOES 21:36 21:40 21:44 Importance=C2 Qual=01
HXRB 21:36:29 21:37:33 21:39:04 Peak...c/s=165 Qual=01 Tot Cts=4420
UVSP 21:38 21:37:33 21:39:04 Wavelength=1542A Code=00 Exp #=2090
Step=0 Pitch=+43",Yaw=-132"

Event # = 349
80/04/26,21:47 DOY=117 SMM Pointing: S17E56 Pitch=+240",Yaw=+761",Roll=0deg H.Ang=57deg
Start Peak End times

GOES 21:45 21:47 21:53 Importance=C1 Qual=01
HXRB 21:46:37 21:47:30 21:47:30 Peak...c/s=83 Qual=01 MaxkeV=99
BCS 21:40 21:48 21:54 CaPeak.c/s=16
UVSP 21:43 21:48 21:54 Wavelength=1547A Code=00 Exp #=2091
Step=3" Pitch=+259",Yaw=+634"

Event # = 350
80/04/26,23:20 DOY=117 SMM Pointing: S17E55 Pitch=+240",Yaw=+751",Roll=0deg H.Ang=56deg
Start Peak End times

Optical Ha...Class=SF S30W34 Carr.Lon.=238deg H.Ang=41deg
GOES 23:17 23:20 23:33 Importance=C1 Qual=01
HXRB 23:33:52 23:34:00 23:34:22 Peak...c/s=88 Qual=01 MaxkeV=146
UVSP 23:20 23:34:00 23:34:22 Wavelength=1547A Code=02 Exp #=2095
Step=3" Pitch=+258",Yaw=+765"

80/04/27 DOY=118

Event # = 351
80/04/27,01:10 DOY=118 SMM Pointing: S17E54 Pitch=+240",Yaw=+742",Roll=0deg H.Ang=55deg
Start Peak End times

Optical Ha...Class=SN S17E59 Carr.Lon.=144deg H.Ang=59deg
GOES 01:07 01:10 01:14 Importance=C1 Qual=01
HXRB 01:06:10 01:06:28 01:06:40 Peak...c/s=59 Qual=01 MaxkeV=99
BCS 01:09 01:10 01:13 CaPeak.c/s=44 Qual=1 FePeak=01:10 XEN=1800
FCS 01:11 01:11 Peak3...c/s=124 Peak...c/s=52 Rast=0"x0" Cad=.26s
HXIS 01:13 01:13 Wavelength=1546A Code=00 Exp #=2099 Pitch=+257",Yaw=+757"
UVSP 00:55 606/10 Associated Event # = 352
Radio Frequency(MHz)/Flux(sfu):
HXRB 01:09:15 01:09:50 01:10:13 Peak...c/s=58 Qual=01 MaxkeV=99

Event # = 353
80/04/27,02:31 DOY=118 SMM Pointing: S17E54 Pitch=+236",Yaw=+740",Roll=0deg H.Ang=54deg
Start Peak End times

Optical Code=EPL N11E90 Carr.Lon.=112deg H.Ang=91deg
GOES 02:24 02:31 02:34 Importance=C6 Qual=01
HXRB 02:28:00 02:29:15 02:33:40 Peak...c/s=235 Qual=01 Tot Cts=14830
UVSP 02:25 02:25 02:25 Wavelength=1542A Code=00 Exp #=2102
C/P 02:12 02:12 02:12 Extrap St=04/27,02:21 PA=103deg Bright mound or blob
Radio Sweeps Type/Intensity: 11/2 111/2
Radio Frequency(MHz)/Flux(sfu): 245/330 410/110 606/150 1415/42

Event # = 354														
80/04/27,02:59	DOY=118	Peak	End times	SMM Pointing:		S17E54	Pitch=+236", Yaw=+740", Roll=0deg		H. Ang=54deg					
Optical														
GOES 02:49	02:59	03:08	Ha...Class=SN		S12W41	Mac.=FKI		Carr. Lon.=243deg		H. Ang=41deg				
HXRBS 02:50:50	02:52:05	03:01:00	Importance=C4		Qual=01	MaxkeV=146								
UVSP 02:32	Type/Intensity:		Peak...c/s=390		Tot Cts=27400	Rast=120"x120"		Step=3" Pitch=+256", Yaw=+749"						
Radio Sweeps	Frequency(MHz)/Flux(sfu):		WaveLength=1546A		Code=00	Exp #=2103								
Radio	410/83 606/310 1415/16 2695/12 4995/19 8800/79 15400/39		II/I											
80/04/28 DOY=119														
Event # = 355														
80/04/28,01:33	DOY=119	Peak	End times	SMM Pointing:		S04W00	Pitch=+1", Yaw=+1", Roll=0deg		H. Ang=0deg					
Optical														
GOES 01:20	01:33	02:16	Ha...Class=SF		S13W45	Mac.=EAI		Carr. Lon.=234deg		H. Ang=45deg				
HXRBS 01:32:57	01:33:12	01:33:37	Importance=C1		Qual=02	MaxkeV=122		Flags=EN						
Radio	410/18 606/320		Peak...c/s=80		Qual=03									
80/04/28 DOY=119														
Event # = 356														
80/04/28,02:30	DOY=119	Peak	End times	SMM Pointing:		S05E01	Pitch=+3", Yaw=+9", Roll=0deg		H. Ang=1deg					
Optical														
GOES 02:25	02:30	02:38	Importance=C1		Qual=01	Mac.=EHI								
HXRBS 02:37:50	02:38:00	02:38:20	Peak...c/s=54		Qual=01	MaxkeV=53								
Radio	410/18 606/320		Peak...c/s=160											
80/04/28 DOY=119														
Event # = 357														
80/04/28,03:45	DOY=119	Peak	End times	SMM Pointing:		S04W00	Pitch=+0", Yaw=+0", Roll=0deg		H. Ang=0deg					
Optical														
GOES 03:42	03:45	03:51	Ha...Class=SN		S30W50	Mac.=EHI		Carr. Lon.=238deg		H. Ang=54deg				
HXRBS 03:44:50	03:44:55	03:45:00	Importance=C2		Qual=01	MaxkeV=99								
Radio	410/18 606/320		Peak...c/s=160		Qual=01	Tot Cts=530								
80/04/28 DOY=119														
Event # = 358														
80/04/28,05:47	DOY=119	Peak	End times	SMM Pointing:		S05W00	Pitch=+3", Yaw=+2", Roll=0deg		H. Ang=0deg					
Optical														
GOES 05:44	05:47	05:52	Ha...Class=SN		Qual=01	MaxkeV=76								
HXRBS 05:46:20	05:47:00	05:47:40	Importance=C1		Qual=01									
Radio	410/18 606/320		Peak...c/s=60		Qual=01	Tot Cts=452								
80/04/28 DOY=119														
Event # = 359														
80/04/28,07:26	DOY=119	Peak	End times	SMM Pointing:		S04W00	Pitch=+1", Yaw=-4", Roll=0deg		H. Ang=0deg					
Optical														
GOES 07:24	07:26	07:27	Ha...Class=SN		Qual=01	MaxkeV=76								
HXRBS 07:25:00	07:25:10	07:25:20	Importance=C1		Qual=01									
Radio	410/18 606/320		Peak...c/s=104		Qual=01	Tot Cts=452								
80/04/28 DOY=119														
Event # = 360														
80/04/28,09:02	DOY=119	Peak	End times	SMM Pointing:		S04W01	Pitch=+6", Yaw=-7", Roll=-45deg		H. Ang=1deg					
Optical														
GOES 09:01	09:02	09:04	Ha...Class=SN		Qual=01	MaxkeV=197								
HXRBS 09:00:30	09:02:24	09:05:30	Importance=C2		Qual=01									
Radio	410/18 606/320		Peak...c/s=700		Qual=01	Tot Cts=18830		MaxkeV=197						
Radio	410/18 606/320		Frequency(MHz)/Flux(sfu):		245/200 410/910 606/500 1415/27 2695/18 4995/17 8800/34 15400/39									

Event # = 363	SMM Pointing:		S04W01	Pitch=+6", Yaw=-7", Roll=-45deg	H. Ang=1deg
80/04/28, 09:30	DOY=119	End times	Qual=03		
Start	Peak	10:01	Qual=01		
GOES 09:10	09:30	10:01		MaxkeV=53	
HXRBS 09:28:50	09:28:58	09:29:15			
Radio	Frequency(MHz)/Flux(sfu):	245/200			
		410/91			
			Associated Event # = 361		
HXRBS 09:16:30	09:17:15	09:18:00	Qual=01	MaxkeV=53	
			Associated Event # = 362		
HXRBS 09:26:45	09:27:10	09:27:40	Qual=01	MaxkeV=53	
Event # = 364	SMM Pointing:		S04W00	Pitch=+1", Yaw=+1", Roll=-2deg	H. Ang=0deg
80/04/28, 10:38	DOY=119	End times	Qual=04		
Start	Peak	10:41	Qual=01		
GOES 10:37	10:38	10:41		MaxkeV=99	
HXRBS 10:38:20	10:38:30	10:38:40			
			Tot Cts=836		
Event # = 365	SMM Pointing:		S04W00	Pitch=+1", Yaw=+1", Roll=-2deg	H. Ang=0deg
80/04/28, 10:42	DOY=119	End times	Qual=01		
Start	Peak	10:45	Qual=01		
GOES 10:41	10:42	10:45		MaxkeV=99	
HXRBS 10:41:10	10:41:30	10:42:30			
			Tot Cts=1142		
Event # = 366	SMM Pointing:		S04W00	Pitch=+2", Yaw=+2", Roll=0deg	H. Ang=0deg
80/04/28, 12:40	DOY=119	End times	S29W56		
Start	Peak	12:50	Qual=03		
Optical			Qual=03	Mac.=EHI	H. Ang=58deg
GOES 12:28	12:40	12:50		Carr. Lon.=239deg	
HXRBS 12:35:10	12:38:50	12:43:10		MaxkeV=171	
Radio	Frequency(MHz)/Flux(sfu):	245/850		4995/71	
		410/230		8800/43	
			Associated Event # = 4277	Flags=EN	
HXRBS 12:27:05	12:27:50	12:31:43	Qual=01	MaxkeV=53	
			Tot Cts=1235	Flags=I	
Event # = 367	SMM Pointing:		S17W60	Pitch=+243", Yaw=-790", Roll=0deg	H. Ang=60deg
80/04/28, 15:36	DOY=119	End times	S09W65		
Start	Peak	15:52	Qual=04		
Optical			Qual=01	Mac.=FKI	H. Ang=65deg
GOES 15:32	15:36	15:52		Carr. Lon.=246deg	
HXRBS 15:46:10	15:46:40	15:47:10		MaxkeV=53	
BGS 15:35	15:35	15:39		FePeak.c/s=16	XEN=11900
FCS 15:35	15:35			Rast=240"x240"	Cad=1180s
UVSP 15:31	15:35			Rast=240"x240"	Step=10"
Radio	Frequency(MHz)/Flux(sfu):	410/73		Step=3"	Pitch=+195", Yaw=-856"
		2695/3		Exp #=2113	
		4995/8		Code=00	
		8800/16			
Event # = 368	SMM Pointing:		S16E37	Pitch=+209", Yaw=+546", Roll=0deg	H. Ang=38deg
80/04/28, 17:10	DOY=119	End times	S12W65		
Start	Peak	17:23	Qual=02		
Optical			Qual=02	Mac.=FKI	H. Ang=65deg
GOES 17:04	17:10	17:23		Carr. Lon.=246deg	
HXRBS 17:12:15	17:12:35	17:14:15		MaxkeV=53	
UVSP 17:08	17:08			Rast=240"x240"	Flags=SA, AX
Radio	Frequency(MHz)/Flux(sfu):	245/970		Step=3"	Pitch=+157", Yaw=+496"
		410/280		Exp #=2115	
		606/320		4995/45	
		8800/67		15400/64	

Event # = 371	80/04/28, 17:33	DOY=119	Start	End times	SMM Pointing:	S16E37	Pitch=+209", Yaw=+546", Roll=0deg	H. Ang=38deg
Optical	17:22	17:33	Peak	18:50	Ha...Class=SM	S29W58	Mac.=EHI	H. Ang=60deg
GOES	17:27:10	17:27:40	17:32:10	17:32:10	Importance=M1	Qual=02	Carr. Lon.=238deg	
HXRBS	17:08				Peak...c/s=146	Qual=03	Flags=EN	
UVSP					Wavelength=2792A	Code=01	Step=3"	Pitch=+157", Yaw=+496"
HXRBS	17:14:40	17:15:30	17:19:40	17:19:40	Associated	Qual=01	MaxkeV=53	
HXRBS	17:24:00	17:24:30	17:25:30	17:25:30	Peak...c/s=112	Qual=01	MaxkeV=53	
HXRBS	17:52:00	17:52:33	17:53:40	17:53:40	Associated	Qual=01	MaxkeV=53	
UVSP	18:10				Wavelength=I216A	Code=00	Rast=240"x240"	Pitch=+156", Yaw=+485"
Event # = 373	80/04/28, 20:26	DOY=119	Start	End times	SMM Pointing:	S16E35	Pitch=+204", Yaw=+530", Roll=0deg	H. Ang=37deg
GOES	20:24	20:26	20:30	20:30	Importance=C2	Qual=01	MaxkeV=53	
HXRBS	20:26:00	20:26:20	20:26:30	20:26:30	Peak...c/s=63	Qual=01	Rast=21"x21"	
UVSP	19:48				Wavelength=I240A	Code=00	Step=3"	Pitch=+226", Yaw=+490"
Event # = 374	80/04/28, 20:32	DOY=119	Start	End times	SMM Pointing:	S16E35	Pitch=+204", Yaw=+530", Roll=0deg	H. Ang=37deg
GOES	20:30	20:32	20:38	20:38	Importance=C2	Qual=01	MaxkeV=122	
HXRBS	20:31:50	20:32:30	20:32:40	20:32:40	Peak...c/s=125	Qual=11	Rast=21"x21"	
UVSP	19:48				Wavelength=I240A	Code=00	Step=3"	Pitch=+226", Yaw=+490"
Event # = 375	80/04/28, 20:41	DOY=119	Start	End times	SMM Pointing:	S16E35	Pitch=+204", Yaw=+530", Roll=0deg	H. Ang=37deg
Optical	20:39	20:41	20:56	20:56	Ha...Class=SB	S14W69	Mac.=FKI	H. Ang=69deg
GOES	20:39:35	20:40:00	20:43:49	20:43:49	Importance=C8	Qual=03	Carr. Lon.=248deg	
HXRBS	20:39:39	20:40:12	20:40:12	20:40:12	Peak...c/s=10964	Qual=11	Flags=D6, FS	
GRS	21:19				Max.E..MeV= 0.7		Step=0"	Dur=33sec
UVSP					Wavelength=1542A		Rast=3"x3"	
Radio					Type/Intensity:			
Radio					Frequency (MHz)/Flux(sfu):	245/3700 410/1600 606/130 1415/40 2695/100 4995/170 8800/390 15400/750		
Event # = 376	80/04/28, 21:19	DOY=119	Start	End times	SMM Pointing:	S16E35	Pitch=+204", Yaw=+530", Roll=0deg	H. Ang=37deg
Optical	21:15	21:19	21:29	21:29	Ha...Class=IB	S16W68	Mac.=FKI	H. Ang=68deg
GOES	21:17:30	21:18:35	21:19:30	21:19:30	Importance=C8	Qual=05	Carr. Lon.=246deg	
HXRBS	21:19				Peak...c/s=200	Qual=01	MaxkeV=122	
UVSP					Wavelength=1942A	Code=02	Rast=3"x3"	
Radio					Frequency (MHz)/Flux(sfu):	410/300 1415/86 2695/73 4995/94 8800/30 15400/220	Step=0"	Pitch=+156", Yaw=+413"
Event # = 377	80/04/28, 21:37	DOY=119	Start	End times	SMM Pointing:	N12E72	Pitch=-214", Yaw=+889", Roll=0deg	H. Ang=73deg
GOES	21:35	21:37	21:40	21:40	Importance=C3	Qual=01	MaxkeV=53	
HXRBS	21:37:15	21:38:56	21:39:05	21:39:05	Peak...c/s=82	Qual=01	Rast=240"x120"	
UVSP	21:26				Wavelength=1547A	Code=00	Step=3"	Pitch=-273", Yaw=+900"

Event # = 378												Pitch=-214" , Yaw=+889" , Roll=0deg	H. Ang=73deg
80/04/28,21:43	DOY=119												
Start	Peak		SMM Pointing:	N12E72									
		End times	Importance=C3	Qual=01									
GOES 21:42	21:43	21:44	Peak...c/s=82	Qual=01									
HXRBS 21:43:20	21:43:40	21:44:20	Wavelength=1547A	Code=00									
UVSP 21:26			Exp # =2126										
Event # = 379													
80/04/28,23:06	DOY=119												
Start	Peak		SMM Pointing:	N12E72									
		End times	Ha...Class=SN	S12W67									
Optical			Importance=C5	Qual=01									
GOES 23:00	23:06	23:12	Peak...c/s=122	Qual=01									
HXRBS 23:02:20	23:02:40	23:05:20	Wavelength=1547A	Code=00									
UVSP 23:01			Exp # =2128										
Event # = 380													
80/04/28,23:37	DOY=119												
Start	Peak		SMM Pointing:	N12E72									
		End times	Importance=C4	Qual=01									
GOES 23:30	23:37	23:51	Peak...c/s=92	Qual=01									
HXRBS 23:32:30	23:33:50	23:34:50	Wavelength=1547A	Code=00									
UVSP 23:01			Exp # =2128										
Event # = 381													
80/04/28,23:55	DOY=119												
Start	Peak		SMM Pointing:	N12E72									
		End times	Importance=C2	Qual=03									
GOES 23:52	23:55	23:59	Peak...c/s=110	Qual=01									
HXRBS 23:53:40	23:54:07	23:54:40	Wavelength=1542A										
UVSP 00:31			Tot Cts=1782										
			Exp # =2129										
Event # = 382													
80/04/29,00:31	DOY=120												
Start	Peak		SMM Pointing:	N12E74									
		End times	Importance=C2	Qual=04									
GOES 00:28	00:31	00:36	Peak...c/s=94	Qual=01									
HXRBS 00:34:50	00:34:58	00:35:10	Wavelength=1542A	Code=02									
UVSP 00:31			Exp # =382										
			Associated Event # = 382										
HXRBS 00:31:00	00:31:10	00:31:30	Peak...c/s=72	Qual=01									
Event # = 384													
80/04/29,03:48	DOY=120												
Start	Peak		SMM Pointing:	N12E72									
		End times	Importance=C2	Qual=01									
GOES 03:45	03:48	03:52	Peak...c/s=85	Qual=01									
HXRBS 03:48:15	03:48:20	03:48:30	Wavelength=1542A	Code=00									
UVSP 03:43			Exp # =2133										
Event # = 385													
80/04/29,03:56	DOY=120												
Start	Peak		SMM Pointing:	N12E72									
		End times	Ha...Class=SN	N03E45									
Optical			Importance=C4	Qual=01									
GOES 03:53	03:56	03:58	Peak...c/s=264	Qual=01									
HXRBS 03:55:10	03:55:50	03:57:10	Wavelength=1547A	Code=00									
UVSP 03:50			Tot Cts=4729										
			Exp # =2134										
			Frequency(MHz)/Flux(sfu): 410/18										

Event # = 386		SMM Pointing: N12E72		Pitch=-215", Yaw=+891", Roll=0deg		H. Ang=74deg	
80/04/29, 04:08	DOY=120	End times		MaxkeV=252		Flags=FS	
Start	Peak	04:10		Rast=240"x120"		Step=3" Pitch=-273", Yaw=+900"	
GOES 04:05	04:08	04:09:10		Tot Cts=12647			
HXRBS 04:06:40	04:07:55	04:09:10		Exp #=2134			
UVSP 03:50							
Event # = 387		SMM Pointing: N12E72		Pitch=-215", Yaw=+891", Roll=0deg		H. Ang=74deg	
80/04/29, 04:28	DOY=120	End times		MaxkeV=53			
Start	Peak	04:38		Rast=240"x120"		Step=3" Pitch=-273", Yaw=+900"	
GOES 04:17	04:28	04:29:00		Exp #=2134			
HXRBS 04:26:40	04:27:45	04:29:00					
UVSP 03:50							
Event # = 388		SMM Pointing: S16E30		Pitch=+203", Yaw=+456", Roll=0deg		H. Ang=32deg	
80/04/29, 07:42	DOY=120	End times		MaxkeV=53			
Start	Peak	07:50		Rast=240"x240"		Step=3" Pitch=+154", Yaw=+408"	
GOES 07:39	07:42	07:43:50		Exp #=2143			
HXRBS 07:42:10	07:42:27	07:43:50					
UVSP 07:37							
Event # = 389		SMM Pointing: S16E27		Pitch=+203", Yaw=+416", Roll=0deg		H. Ang=29deg	
80/04/29, 10:51	DOY=120	End times		MaxkeV=53			
Start	Peak	10:57		Rast=240"x240"		Step=3" Pitch=+152", Yaw=+367"	
GOES 10:47	10:51	10:50:00		Exp #=2157			
HXRBS 10:47:00	10:49:40	10:50:00					
UVSP 10:44							
Event # = 390		SMM Pointing: S16E27		Pitch=+203", Yaw=+416", Roll=0deg		H. Ang=29deg	
80/04/29, 11:05	DOY=120	End times		MaxkeV=53			
Start	Peak	11:10		Rast=240"x240"		Step=3" Pitch=+152", Yaw=+365"	
GOES 11:04	11:05	11:05:30		Exp #=2161			
HXRBS 11:05:10	11:05:30	11:05:30					
UVSP 11:04							
Event # = 391		SMM Pointing: S16E26		Pitch=+201", Yaw=+407", Roll=0deg		H. Ang=28deg	
80/04/29, 12:58	DOY=120	End times		Mac.=EKO		Carr. Lon.=238deg	
Start	Peak	13:09		MaxkeV=53		Rast=240"x240"	
Optical		12:55		Rast=240"x240"		Step=3" Pitch=+151", Yaw=+352"	
GOES 12:55	12:58	13:09		Exp #=2169			
HXRBS 12:38:30	12:39:30	12:40:40		Exp #=2169			
UVSP 12:39				Exp #=2169			
C/P 15:38	Extrap St=04/29, 11:30						
Radio	Frequency (MHz)/Flux(stu):	1415/150 2695/260 4995/150 8800/130					
Event # = 20669		SMM Pointing: S16E26		Pitch=+202", Yaw=+404", Roll=0deg		H. Ang=28deg	
80/04/29, 13:20	DOY=120	End times		Carr. Lon.=79deg		H. Ang=88deg	
Start	Peak	12:39		Rast=240"x240"		Step=3" Pitch=+151", Yaw=+352"	
Optical		13:20		Exp #=2169			
GOES 12:39							
UVSP 13:20	Extrap St=04/29, 12:48						
C/P	PA=119deg						

Event # = 392	DOY=120	SMM Pointing:	S16E26	Pitch=+202", Yaw=+404", Roll=0deg	H. Ang=28deg
80/04/29, 13:22	Peak				
Start					
GOES	13:22:25	13:22:35	13:22:40	Qual=00	
HXRBS	14:03:02	14:03:12	14:03:12	Qual=11	Tot Cts=652
UVSP	12:39			WaveLength=1547A	Exp # = 2169
				Flags=DG	Pitch=+151", Yaw=+352"
				Step=3"	
Event # = 393	DOY=120	SMM Pointing:	S16E26	Pitch=+199", Yaw=+399", Roll=0deg	H. Ang=28deg
80/04/29, 14:03	Peak				
Start					
Optical	14:00	14:03	14:08	S15E88	AR2418
GOES	14:02:42	14:03:02	14:03:12	Ha...Class=SN	
HXRBS	14:02:42	14:03:02	14:03:12	Importance=C4	
Radio	Frequency(MHz)/Flux(sfu):	606/48	1415/93	Qual=02	
				Qual=01	Tot Cts=3170
				2695/78	4995/43
				8800/20	
Event # = 394	DOY=120	SMM Pointing:	S16E24	Pitch=+204", Yaw=+369", Roll=0deg	H. Ang=26deg
80/04/29, 17:21	Peak				
Start					
GOES	17:17	17:21	17:25	Qual=01	
HXRBS	17:18:50	17:20:15	17:21:40	Qual=01	Tot Cts=349
UVSP	18:07			WaveLength=1216A	Exp # = 2171
Event # = 395	DOY=120	SMM Pointing:	S16E24	Pitch=+199", Yaw=+366", Roll=0deg	H. Ang=26deg
80/04/29, 18:16	Peak				
Start					
Optical	18:13	18:16	18:20	S32W63	AR2407
GOES	18:14:35	18:15:10	18:16:40	Ha...Class=SF	
HXRBS	18:14:35	18:15:10	18:16:40	Importance=C5	
UVSP	18:07			Qual=01	Tot Cts=4150
				Qual=01	Exp # = 2171
				Code=00	
Event # = 396	DOY=120	SMM Pointing:	S16E22	Pitch=+197", Yaw=+342", Roll=0deg	H. Ang=24deg
80/04/29, 20:21	Peak				
Start					
Optical	20:15	20:21	20:34	S32W70	AR2407
GOES	20:16:10	20:18:10	20:23:10	Ha...Class=SF	
HXRBS	20:16:10	20:18:10	20:23:10	Importance=C9	
UVSP	19:49			Qual=01	Tot Cts=78100
Radio	Frequency(MHz)/Flux(sfu):	1415/20	2695/26	Code=00	Exp # = 2177
				4995/36	8800/46
Event # = 20156	DOY=120	SMM Pointing:	S16E22	Pitch=+198", Yaw=+340", Roll=0deg	H. Ang=24deg
80/04/29, 21:36	Peak				
Start					
GOES	21:28	21:36	21:57	Qual=01	
BGS	21:35	21:38	21:44	Qual=1	FePeak=21:38
FCS	21:35	21:38	21:44	CaPeak.c/s=22	
UVSP	21:33			Peak3...c/s=77	Exp # = 2181
				WaveLength=1401A	
Event # = 397	DOY=120	SMM Pointing:	S16E22	Pitch=+198", Yaw=+340", Roll=0deg	H. Ang=24deg
80/04/29, 22:00	Peak				
Start					
GOES	21:57	22:00	22:05	Importance=C3	
HXRBS	21:58:20	21:58:50	21:59:05	Qual=01	
UVSP	21:33			Qual=01	Exp # = 2181
				Code=00	
				WaveLength=1401A	
				Step=4"	Pitch=+170", Yaw=+342"
				MaxkeV=53	
				Rast=12" x12"	

Event # = 398
 80/04/29,23:34 DOY=120 SMM Pointing: S16E21 Pitch=+198",Yaw=+333",Roll=0deg H.Ang=24deg
 Start Peak End times
 GOES 23:18 23:34 23:52 Importance=C3 Qual=01
 HXRBS 23:37:20 23:39:55 23:40:35 Peak...c/s=115 Qual=01 Tot Cts=1300
 UVSP 22:57 Wavelength=1401A Code=00 Exp #=2183 Rast=8"x8" Step=4" Pitch=+225",Yaw=+318"

Event # = 20157
 80/04/30,00:24 DOY=121 SMM Pointing: S16E21 Pitch=+198",Yaw=+333",Roll=0deg H.Ang=24deg
 Start Peak End times
 Optical
 GOES 00:20 00:24 00:41 Ha...Class=1N S13E18 AR2411
 BCS 00:29 00:29 00:30 Importance=C4 Qual=04
 FCS 00:29 00:29 00:30 CaPeak.c/s=43 Qual=5 FePeak=00:29
 UVSP 00:33 Wavelength=1402A Code=02 Exp #=2184 Rast=240"x240" Step=4" Cad=3840s XEN=12101
 Associated Event # = 20071 Pitch=+166",Yaw=-983"
 BCS 00:30 00:30 00:31 CaPeak.c/s=23 Qual=1 FePeak=00:30 XEN=12102
 FCS 00:30 00:30 00:31 Peak3..c/s=14 Associated Event # = 20072 Rast=0"x0" Step=0" Cad=3840s XEN=12103
 BCS 00:32 00:32 00:33 CaPeak.c/s=22 Qual=1 FePeak=00:32 Rast=0"x0" Step=0" Cad=3840s XEN=12103
 FCS 00:32 00:32 00:32 Peak3..c/s=14 Associated Event # = 20072 Rast=0"x0" Step=0" Cad=3840s XEN=12103

Event # = 20158
 80/04/30,01:21 DOY=121 SMM Pointing: S13W86 Pitch=+205",Yaw=-929",Roll=0deg H.Ang=86deg
 Start Peak End times
 GOES 01:16 01:21 01:30 Importance=C3 Qual=01
 BCS 01:18 01:20 01:23 CaPeak.c/s=30 Qual=1 FePeak=01:20
 FCS 01:19 01:19 01:20 Peak3..c/s=90
 UVSP 00:38 Wavelength=1401A Code=00 Exp #=2185 Rast=8"x8" Step=4" Pitch=+148",Yaw=-941"

Event # = 399
 80/04/30,02:17 DOY=121 SMM Pointing: S13W86 Pitch=+207",Yaw=-928",Roll=0deg H.Ang=85deg
 Start Peak End times
 GOES 02:13 02:17 02:23 Importance=C4 Qual=01
 HXRBS 02:15:10 02:15:40 02:16:25 Peak...c/s=160 Tot Cts=3110
 BCS 02:15 02:17 02:22 CaPeak.c/s=59 Qual=1 FePeak=02:17
 FCS 02:17 02:17 02:22 Peak3..c/s=22
 HXIS 02:09 Wavelength=1401A Code=00 Exp #=2187 Rast=8"x8" Step=4" Pitch=+162",Yaw=-933"
 UVSP 02:09

Event # = 400
 80/04/30,02:30 DOY=121 SMM Pointing: S13W86 Pitch=+207",Yaw=-928",Roll=0deg H.Ang=85deg
 Start Peak End times
 GOES 02:23 02:30 02:35 Importance=C3 Qual=01
 HXRBS 02:23:45 02:23:50 02:24:10 Peak...c/s=78 Tot Cts=522
 UVSP 02:09 Wavelength=1401A Code=00 Exp #=2187 Rast=8"x8" Step=4" Pitch=+162",Yaw=-933"

Event # = 401
 80/04/30,02:38 DOY=121 SMM Pointing: S13W86 Pitch=+207",Yaw=-928",Roll=0deg H.Ang=85deg
 Start Peak End times
 GOES 02:38:15 02:38:30 02:38:55 Peak...c/s=62 Qual=00
 HXRBS 02:38:15 02:38:30 02:38:55 Wavelength=1401A Exp #=2187
 UVSP 02:09

Event # = 402																							
80/04/30,02:47	DOY=121			SMM Pointing:	S13W86					Pitch=+207", Yaw=-928", Roll=0deg												H. Ang=85deg	
Start	Peak																						
GOES 02:42	02:47			Importance=C3	Qual=01																		
HXRBS 02:45:00	02:45:20	02:46:00		Peak...c/s=125	Qual=01																		
UVSP 02:09				WaveLength=1401A	Code=00																		
Radio	Frequency(MHz)/Flux(sfu): 410/50 606/120 1415/170 2695/150 4995/75																						
Event # = 20670																							
80/04/30,03:53	DOY=121			SMM Pointing:	S13W82																	Pitch=+210", Yaw=-919", Roll=0deg	
Start	Peak																						H. Ang=81deg
GOES 03:52				WaveLength=1235A	Qual=00																		
UVSP 03:53	Extrap	St=04/30,03:18		PA=122deg	Irregular																		Rast=3" x3" Step=0" Pitch=+196", Yaw=-940"
C/P																							
Event # = 403																							
80/04/30,04:09	DOY=121			SMM Pointing:	S13W82																		Pitch=+210", Yaw=-919", Roll=0deg
Start	Peak																						H. Ang=81deg
Optical																							
GOES 04:03	04:09	04:18		Ha...Class=IF	S32W74																		
HXRBS 03:45:00	04:01:50	04:10:00		Importance=C8	Qual=01																		
BSC 04:07	04:10	04:12		Peak...c/s=110	Qual=11																		
FCS 04:02	04:10			CaPeak.c/s=25	Qual= 1																		dt= 3.0s XEN=12109
UVSP				Peak3...c/s=59																			Flags=DG #Peaks=1
Radio	Frequency(MHz)/Flux(sfu): 606/25 1415/120 2695/170 4995/150 8800/75																						
Event # = 20159																							
80/04/30,04:40	DOY=121			SMM Pointing:	S13W82																		Pitch=+210", Yaw=-919", Roll=0deg
Start	Peak																						H. Ang=81deg
GOES 04:35	04:40	04:50		Importance=C3	Qual=02																		
BSC 04:39	04:39	04:39		CaPeak.c/s=19	Qual= 1																		
UVSP				WaveLength=1236A	Code=01																		FePeak.c/s=10 #Peaks=1 XEN=12111
Radio	Sweeps																						Rast=21" x21" Step=3" Pitch=+200", Yaw=-937"
Event # = 404																							
80/04/30,05:52	DOY=121			SMM Pointing:	S13W83																		Pitch=+205", Yaw=-922", Roll=0deg
Start	Peak																						H. Ang=82deg
Optical																							
GOES 05:43	05:52	06:03		Ha...Class=1N	S30W78																		
HXRBS 05:43:25	05:46:20	05:50:15		Importance=C9	Qual=01																		
BSC 05:46	05:52	06:05		Peak...c/s=210	Qual=01																		
FCS				CaPeak.c/s=50	Qual= 1																		dt= 6.0s XEN=12112
UVSP				Peak3...c/s=68																			Flags=DG #Peaks=1 dt= 6.0s XEN=12112
Radio	Frequency(MHz)/Flux(sfu): 606/25 1415/120 2695/170 4995/150 8800/75																						
Event # = 405																							
80/04/30,06:18	DOY=121			SMM Pointing:	S13W83																		Pitch=+205", Yaw=-922", Roll=0deg
Start	Peak																						H. Ang=82deg
GOES 06:10	06:18	06:22																					
HXRBS 06:10:30	06:10:50	06:11:15		Importance=C4	Qual=03																		
BSC 06:10	06:13	06:15		Peak...c/s=80	Qual=01																		
FCS				CaPeak.c/s=24	Qual= 1																		
UVSP				Peak3...c/s=43																			dt= 6.0s XEN=12114
Radio	Frequency(MHz)/Flux(sfu): 606/25 1415/120 2695/170 4995/150 8800/75																						

Event # = 20073		SMM Pointing:		S13W87		Pitch=+208", Yaw=-929", Roll=0deg		H.Ang=86deg	
80/04/30,07:19	DOY=121	Start	End times	Qual=01					
GOES 07:16	Peak 07:19		07:29	Importance=C3					
BCS 07:17	07:17		07:19	CaPeak.c/s=23	Qual=1	FePeak=07:17	#Peaks=1	XEN=12116	
FCS 07:17	07:17			Peak3..c/s=60		Exp #=2197	Step=10"	Cad=9.22s	1.024s/pixel
UVSP 07:16				Wavelength=1235A	Code=00		Step=0"	Pitch=+224"	Yaw=-922"
Event # = 406		SMM Pointing:		S13W87		Pitch=+208", Yaw=-929", Roll=0deg		H.Ang=86deg	
80/04/30,07:29	DOY=121	Start	End times	Qual=00					
GOES 07:28	Peak 07:32		07:38	Peak...c/s=90	Qual=01				
HXRBS 07:31:15	07:31:42		07:32:00	Wavelength=1237A		Exp #=2199	Step=3"	Pitch=+224"	Yaw=-922"
UVSP 07:26									
Event # = 407		SMM Pointing:		S13W87		Pitch=+208", Yaw=-929", Roll=0deg		H.Ang=86deg	
80/04/30,07:32	DOY=121	Start	End times	Qual=01					
GOES 07:39	Peak 07:44		07:54	Importance=C3	Qual=01				
HXRBS 07:41:10	07:42:30		07:43:05	Peak...c/s=79	Qual=01	FePeak=07:43	#Peaks=2	dt= 6.0s	XEN=12118
BCS 07:41	07:44		07:48	CaPeak.c/s=41	Qual=1	Exp #=2199	Step=10"	Cad=9.22s	1.024s/pixel
FCS 07:42	07:42			Peak3..c/s=48			Step=3"	Pitch=+224"	Yaw=-922"
UVSP 07:26				Wavelength=1237A	Code=00				
Event # = 408		SMM Pointing:		S13W87		Pitch=+208", Yaw=-929", Roll=0deg		H.Ang=86deg	
80/04/30,07:44	DOY=121	Start	End times	Qual=01					
GOES 07:39	Peak 07:44		07:54	Importance=C3	Qual=01				
HXRBS 07:41:10	07:42:30		07:43:05	Peak...c/s=79	Qual=01	FePeak=07:43	#Peaks=2	dt= 6.0s	XEN=12118
BCS 07:41	07:44		07:48	CaPeak.c/s=41	Qual=1	Exp #=2199	Step=10"	Cad=9.22s	1.024s/pixel
FCS 07:42	07:42			Peak3..c/s=48			Step=3"	Pitch=+224"	Yaw=-922"
UVSP 07:26				Wavelength=1237A	Code=00				
Event # = 409		SMM Pointing:		S13W85		Pitch=+207", Yaw=-927", Roll=0deg		H.Ang=85deg	
80/04/30,09:04	DOY=121	Start	End times	Qual=01					
GOES 08:57	Peak 09:04		09:16	Importance=C4	Qual=01				
HXRBS 09:02:20	09:03:00		09:03:30	Peak...c/s=75	Qual=01	Exp #=2202	Step=3"	Pitch=+239"	Yaw=-925"
UVSP 08:57				Wavelength=1236A	Code=00				
Event # = 410		SMM Pointing:		S23E88		Pitch=+373", Yaw=+876", Roll=0deg		H.Ang=86deg	
80/04/30,11:30	DOY=121	Start	End times	Qual=05					
Optical				Ha...Class=SF	Qual=05	AR2419	Carr. Lon.=200deg		
GOES 11:01	11:30		11:46	Importance=M2	Qual=03	Tot Cts=12200	Flags=EN		
HXRBS 11:02:10	11:03:05		11:05:15	Peak...c/s=195	Qual=3	FePeak=11:02	#Peaks=1	XEN=12129	
BCS 11:01	11:02		11:05	CaPeak.c/s=23		Exp #=2206	Step=10"	Cad=1180s	2.048s/pixel
FCS 10:51	11:02			Peak3..c/s=10			Step=3"	Pitch=+331"	Yaw=+874"
UVSP 10:51				Wavelength=1547A					
Radio	Frequency (MHz)/Flux(sfu):		245/80	606/28					
Event # = 411		SMM Pointing:		S24E88		Pitch=+379", Yaw=+874", Roll=0deg		H.Ang=87deg	
80/04/30,11:47	DOY=121	Start	End times	Qual=05					
Optical				Ha...Class=SN	Qual=05	AR2396	Carr. Lon.=243deg		
GOES 11:46	11:47		11:51	Importance=M1	Qual=11	Tot Cts=1477	Flags=D6		
HXRBS 11:41:40	11:42:00		11:42:10	Peak...c/s=100		Exp #=2206	Step=3"	Pitch=+331"	Yaw=+874"
UVSP 10:51				Wavelength=1547A					

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Event # = 20671
80/04/30,11:52 D0Y=121 SMM Pointing: S24E88 Pitch=+379", Yaw=+874", Roll=0deg H. Ang=87deg
  Start Peak End times
GOES 11:52 Extrap St=04/30,11:13 PA=78deg Qual=00
C/P 11:52 Extrap St=04/30,11:13 PA=78deg Irregular blob or tongue

Event # = 412
80/04/30,14:08 D0Y=121 SMM Pointing: Pitch=+373", Yaw=+879", Roll=0deg
  Start Peak End times
GOES 14:05 14:08 Importance=C5 Qual=01
HXRBS 14:07:35 14:07:45 14:08:10 Peak...c/s=340 Qual=01 Tot Cts=4470 Flags=FS

Event # = 413
80/04/30,15:28 D0Y=121 SMM Pointing: Pitch=+214", Yaw=-932", Roll=0deg
  Start Peak End times
Optical Ha...Class=SN N13E44 Carr. Lon.=111deg H. Ang=47deg
GOES 15:25 15:28 Importance=C3 Qual=05
HXRBS 15:31:35 15:32:50 15:33:55 Peak...c/s=185 Qual=01 Tot Cts=1760
C/P 19:45 Extrap St=04/30,18:20 PA=40deg
Radio Sweeps Type/Intensity: V/3
Radio Frequency(MHz)/Flux(sfu): 245/240 410/160 606/77

Event # = 414
80/04/30,15:48 D0Y=121 SMM Pointing: Pitch=+214", Yaw=-932", Roll=0deg
  Start Peak End times
GOES 15:44 15:48 Importance=C6 Qual=02
HXRBS 15:45:55 15:48:45 15:53:15 Peak...c/s=150 Qual=03 Tot Cts=11500 Flags=EN
Radio Frequency(MHz)/Flux(sfu): 245/560 410/20 2695/10 4995/10 8800/17

Event # = 20161
80/04/30,17:10 D0Y=121 SMM Pointing: Pitch=+214", Yaw=-932", Roll=0deg
  Start Peak End times
GOES 17:08 17:10 Importance=C3 Qual=01
BCS 17:09 17:09 CaPeak.c/s=25 Qual=1 FePeak=17:09
FCS 17:10 17:10 Peak3...c/s=45 Wave length=1542A Exp #=2207
UVSP 18:05

Event # = 415
80/04/30,17:20 D0Y=121 SMM Pointing: Pitch=+214", Yaw=-932", Roll=0deg
  Start Peak End times
GOES 17:18 17:20 Importance=C4 Qual=01
HXRBS 17:19:50 17:20:15 17:20:30 Peak...c/s=150 Qual=01 Tot Cts=654
UVSP 18:05 Wave length=1542A Exp #=2207

Event # = 416
80/04/30,20:26 D0Y=121 SMM Pointing: Pitch=+217", Yaw=-933", Roll=0deg
  Start Peak End times
Optical Ha...Class=SN S13W90 Carr. Lon.=242deg H. Ang=89deg
GOES 20:18 20:26 Importance=M2 Qual=01
HXRBS 20:21:10 20:22:50 20:26:20 Peak...c/s=680 Qual=01 Tot Cts=54000
BCS 20:20 20:25 CaPeak.c/s=808 Qual=1 FePeak=20:24
FCS 20:27 20:27 Peak3...c/s=3341
HXIS 20:26 Peak...c/s=1776
UVSP 20:03 Wave length=1546A Code=00 Exp #=2214
Radio Frequency(MHz)/Flux(sfu): 245/54 410/20 1415/41 2695/17 4995/18

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Event #	Start	End times	SMM Pointing:	Peak	DOY=121			
80/04/30	21:18	21:20	CaPeak.c/s=24 Peak3..c/s=21 Wavelength=1542A	21:19	21:18	FePeak=21:18 Exp #=2215	Qual=00 Qual= 5	Pitch=+215",Yaw=-936",Roll=0deg
GOES								FePeak.c/s=14 Rast=180"x180" Rast=3"x3"
BCS								#Peaks=1 Step=15"
FCS								Cad= 147s Pitch=+224",Yaw=-930"
UVSP								
Event # = 20733								
80/04/30	21:25	21:25	SMM Pointing:	21:25	21:25	FePeak=21:25 Exp #=2216	Qual=00 Qual= 1	Pitch=+215",Yaw=-936",Roll=0deg
GOES								FePeak.c/s=11 Rast=240"x240"
BCS								#Peaks=1 Step=3"
UVSP								Pitch=+175",Yaw=-990"
Event # = 20074								
80/04/30	21:25	21:25	SMM Pointing:	21:25	21:25	FePeak=21:25 Exp #=2216	Qual=00 Qual= 1	Pitch=+215",Yaw=-936",Roll=0deg
GOES								FePeak.c/s=11 Rast=240"x240"
BCS								#Peaks=1 Step=3"
UVSP								Pitch=+175",Yaw=-990"
Event # = 417								
80/05/01	00:55	00:55	SMM Pointing:	00:55	00:55	FePeak=21:25 Exp #=2225	Qual=00 Qual= 01	Pitch=+307",Yaw=+850",Roll=0deg
GOES								H. Ang=71deg
HXRBS								
UVSP								
Event # = 418								
80/05/01	07:17	07:17	SMM Pointing:	07:17	07:17	FePeak=07:19 Exp #=2239	Qual=01 Qual=01 Qual= 1	Pitch=+305",Yaw=+838",Roll=0deg
GOES								H. Ang=69deg
HXRBS								
BCS								
FCS								
HXIS								
UVSP								
Event # = 20162								
80/05/01	09:13	09:13	SMM Pointing:	09:13	09:13	FePeak=21:18 Exp #=2249	Qual=01 Qual=01 Qual= 1	Pitch=+308",Yaw=+849",Roll=0deg
GOES								H. Ang=71deg
BCS								
UVSP								
Event # = 20163								
80/05/01	12:15	12:15	SMM Pointing:	12:15	12:15	FePeak=21:18 Exp #=2263	Qual=00 Qual=03 Qual= 03	Pitch=+306",Yaw=+848",Roll=0deg
GOES								H. Ang=71deg
BCS								
UVSP								
Event # = 20164								
80/05/01	14:08	14:08	SMM Pointing:	14:08	14:08	FePeak=21:18 Exp #=2263	Qual=00 Qual=03 Qual= 03	Pitch=+257",Yaw=+784"
GOES								H. Ang=71deg
BCS								

Event # = 419
 80/05/01,16:33 DOY=122 SMM Pointing: S14W88 Pitch=+232", Yaw=-924", Roll=0deg H. Ang=87deg
 Start Peak End times
 Optical Ha...Class=SN AR2418 Carr. Lon.=82deg H. Ang=59deg
 GOES 16:19 16:33 16:39 S19E59 Qual=04
 HXRBS 16:27:00 16:28:30 16:45:20 Peak...c/s=1480 Tot Cts=2.97E+5 MaxkeV=122 Flags=SN, ES
 BCS 16:39 16:46 16:46 CaPeak.c/s=15 Wavelength=1542A Code=00 Exp #=2268 Rast=3"x3" Pitch=+182", Yaw=-995"
 UVSP 16:28 16:46 16:46 PA=109deg Irregular blob, "hook"
 C/P 17:03
 Radio Frequency(MHz)/Flux(sfu): 1415/89 2695/240 8800/920

Event # = 420
 80/05/01,18:42 DOY=122 SMM Pointing: Pitch=+231", Yaw=-932", Roll=0deg
 Start Peak End times
 Optical Ha...Class=SN AR2420 Carr. Lon.=200deg H. Ang=61deg
 GOES 18:38 18:42 18:46 S25W60 Qual=01
 HXRBS 18:39:40 18:41:10 18:41:55 Peak...c/s=100 Tot Cts=2804 MaxkeV=53 dt= 3.0s XEN=12202
 BCS 18:39 18:41 18:46 CaPeak.c/s=60 Rast=120"x180" Step=15" Cad=98.3s #Peaks=2
 FCS 18:41 18:41 18:46 Peak3...c/s=55 Wavelength=1542A Code=00 Exp #=2275 Step=3" Pitch=+251", Yaw=-929"
 HXIS 18:42
 UVSP 18:26 Type/Intensity: II/I
 Radio Sweeps

Event # = 6631
 80/05/01,19:16 DOY=122 SMM Pointing: Pitch=+231", Yaw=-932", Roll=0deg
 Start Peak End times
 Optical Ha...Class=SN AR2418 Carr. Lon.=81deg H. Ang=59deg
 GOES 19:07 19:16 19:42 S19E59 Qual=05
 HXRBS 19:48:00 20:02:55 20:17:38 Peak...c/s=88 Tot Cts=61564 MaxkeV=122 Flags=ND
 UVSP 19:40 Wavelength=1542A Exp #=2276 Rast=3"x3" Step=0" Pitch=+251", Yaw=-929"
 Radio Frequency(MHz)/Flux(sfu): 245/7300 410/18000 606/14000 1415/19000 4995/1100 8800/2000 15400/2300

Event # = 421
 80/05/01,21:10 DOY=122 SMM Pointing: Pitch=+233", Yaw=-932", Roll=0deg
 Start Peak End times
 Optical Ha...Class=SN AR2407 Carr. Lon.=229deg H. Ang=88deg
 GOES 20:55 21:10 21:34 S35W90 Qual=04
 HXRBS 21:17:50 21:19:50 21:25:20 Peak...c/s=120 Tot Cts=15000 MaxkeV=146 XEN=12204
 BCS 21:15 21:15 21:26 CaPeak.c/s=84 Qual= 5 FePeak.c/s=20 #Peaks=1
 FCS 21:15 21:19 21:26 Peak3...c/s=28 Wavelength=1542A Code=02 Exp #=2280 Rast=120"x180" Step=15" Cad=98.3s 1.024s/pixel
 UVSP 21:15 Type/Intensity: II/I

Event # = 422
 80/05/02,00:34 DOY=123 SMM Pointing: Pitch=+272", Yaw=+715", Roll=0deg H. Ang=53deg
 Start Peak End times
 Optical Ha...Class=SN AR2423 Carr. Lon.=75deg H. Ang=65deg
 GOES 00:22 00:34 00:50 N20E62 Qual=01
 HXRBS 00:30:50 00:33:45 00:35:15 Peak...c/s=115 Tot Cts=4100 MaxkeV=76
 UVSP 00:30 00:30 00:35 Wavelength=1395A Code=00 Exp #=2286 Rast=60"x60" Step=10" Pitch=+223", Yaw=+652"

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Event # = 423
80/05/02 04:02 D0Y=123      SMM Pointing:      S19E50      H. Ang=51deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 03:59 04:02 04:01:57  Importance=C3      Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
HXRBS 04:00:02 04:02:00 04:01:57  Peak...c/s=96     Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
BCS 03:54 03:56 03:57      CaPeak.c/s=28     Qual=1           Step=15"         Cad= 147s        1.024s/pixel
FCS 03:55 03:55 03:57      Peak3..c/s=229   WaveLength=1303A Code=00          Exp #=2292        Pitch=120"x180" Step=3"          #Peaks=1          dt= 3.0s          XEN=12300
UVSP 03:58 03:58 03:57      Wavelength=1303A Code=00          Exp #=2292        Rast=180"x180" Step=15"         Cad= 147s        1.024s/pixel
                                         Pitch=120"x120" Step=3"          Pitch=+220" ,Yaw=+634"

Event # = 424
80/05/02 04:37 D0Y=123      SMM Pointing:      S19E50      H. Ang=51deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 04:34 04:37 04:39  Importance=C3      Qual=02          #Peaks=1          dt= 3.0s          XEN=12300
HXRBS 04:36:20 04:36:30 04:36:50  Peak...c/s=110   Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
UVSP 03:58 04:36:30 04:36:50  WaveLength=1303A Code=00          Exp #=2292        Rast=120"x120" Step=3"          Pitch=+220" ,Yaw=+634"
Radio Sweeps Type/Intensity: III/I
Radio Frequency(MHz)/Flux(stu): 245/31 410/8 606/24 1415/150 2695/5 4995/5 8800/10

Event # = 425
80/05/02 05:32 D0Y=123      SMM Pointing:      S19E50      H. Ang=51deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 05:29 05:32 05:34  Importance=C2      Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
HXRBS 05:31:50 05:32:00 05:32:10  Peak...c/s=100   Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
UVSP 05:28 05:32:00 05:32:10  WaveLength=1214A Code=00          Exp #=2294        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+626"

Event # = 426
80/05/02 05:38 D0Y=123      SMM Pointing:      S19E50      H. Ang=51deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 05:35 05:38 05:41  Importance=C3      Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
HXRBS 05:37:30 05:38:40 05:38:50  Peak...c/s=220   Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
UVSP 05:33 05:38:40 05:38:50  WaveLength=1214A Code=00          Exp #=2295        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+625"
Radio Sweeps Type/Intensity: V/I
Radio Frequency(MHz)/Flux(stu): 1415/54 4995/16

Event # = 20167
80/05/02 05:46 D0Y=123      SMM Pointing:      S19E50      H. Ang=51deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 05:42 05:46 05:53  Importance=C2      Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
BCS 05:44 05:46 05:54  CaPeak.c/s=35     Qual=1           Step=15"         Cad= 147s        1.024s/pixel
FCS 05:47 05:47 05:54  Peak3..c/s=241   WaveLength=1215A Code=00          Exp #=2297        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+625"
HXIS 05:47 05:47 05:54  Peak...c/s=72    WaveLength=1215A Code=00          Exp #=2297        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+625"
UVSP 05:45 05:45 05:54  Wavelength=1215A Code=00          Exp #=2297        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+625"

Event # = 427
80/05/02 06:03 D0Y=123      SMM Pointing:      S19E49      H. Ang=50deg
Start          Peak          dt= 3.0s          XEN=12300
GOES 05:53 06:03 06:13  Importance=C3      Qual=03          #Peaks=1          dt= 3.0s          XEN=12300
HXRBS 05:53:50 05:55:20 05:56:30  Peak...c/s=66     Qual=01          #Peaks=1          dt= 3.0s          XEN=12300
BCS 06:04 06:04 06:04  CaPeak.c/s=18     Qual=1           Step=15"         Cad= 147s        1.024s/pixel
UVSP 06:02 06:04 06:04  WaveLength=1217A Code=00          Exp #=2300        Rast=60"x240" Step=3"          Pitch=+218" ,Yaw=+623"

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Event # = 433						
80/05/03 18:24	DOY=124		SMM Pointing:	N00W00		H. Ang=4deg
	Start	Peak				
GOES 18:21	18:24	18:32	Importance=C6	Qual=01		
HXRBS 18:22:30	18:22:42	18:23:40	Peak...c/s=88	Qual=01		

Associated Event # = 434						
HXRBS 18:29:40	18:29:55	18:30:20	Peak...c/s=60	Qual=01		

Event # = 435						
80/05/03 21:24	DOY=124		SMM Pointing:	S04W00	Pitch=+1", Yaw=-6", Roll=0deg	H. Ang=0deg
	Start	Peak				
GOES 21:20	21:24	21:37	Importance=C5	Qual=01		
HXRBS 21:12:55	21:24:25	21:26:15	Peak...c/s=130	Qual=01		
Radio Frequency (MHz)/Flux(sfu): 410/520						

Event # = 436						
80/05/03 23:18	DOY=124		SMM Pointing:	S04W00	Pitch=+3", Yaw=+4", Roll=0deg	H. Ang=0deg
	Start	Peak				
Optical			Ha...Class=SN	S19W35		
GOES 23:15	23:18	23:25	Importance=C9	Qual=01	Mac.=FKI Carr. Lon.=146deg	H. Ang=37deg
HXRBS 23:17:00	23:17:18	23:19:10	Peak...c/s=550	Qual=01		
Radio Sweeps Type/Intensity: III/1						

80/05/04 DOY=125						
Event # = 437						
80/05/04 00:44	DOY=125		SMM Pointing:	S04W00	Pitch=-1", Yaw=+7", Roll=0deg	H. Ang=0deg
	Start	Peak				
Optical			Ha...Class=IB	S22W90		
GOES 00:39	00:44	00:49	Importance=C5	Qual=01	Mac.=BX0 Carr. Lon.=200deg	H. Ang=89deg
HXRBS 00:41:05	00:41:35	00:45:10	Peak...c/s=240	Qual=01		

Event # = 438						
80/05/04 04:28	DOY=125		SMM Pointing:	S04W00	Pitch=+0", Yaw=+0", Roll=0deg	H. Ang=0deg
	Start	Peak				
GOES			peak...c/s=90	Qual=00		
HXRBS 04:27:30	04:28:25	04:28:50		Qual=01	MaxkeV=99	

Event # = 439						
80/05/04 10:35	DOY=125		SMM Pointing:	S04W00	Pitch=+3", Yaw=+2", Roll=0deg	H. Ang=0deg
	Start	Peak				
GOES 10:26	10:35	10:39	Importance=C2	Qual=01		
HXRBS 10:34:42	10:34:46	10:34:50	Peak...c/s=100	Qual=01		

Event # = 440						
80/05/04 12:06	DOY=125		SMM Pointing:	S04W00	Pitch=+2", Yaw=+4", Roll=0deg	H. Ang=0deg
	Start	Peak				
GOES 12:00	12:06	12:12	Importance=C2	Qual=01		
HXRBS 12:01:30	12:02:00	12:03:50	Peak...c/s=122	Qual=01		

				Tot Cts=4300	MaxkeV=53	

Event # = 441
 80/05/04, 18:30 DOY=125 Pitch=+285", Yaw=+295", Roll=0deg H. Ang=25deg
 Start Peak Carr. Lon.=141deg H. Ang=42deg
 Optical
 GOES 18:23 18:30 18:40 S21E19 AR2411
 HXRBS 18:23:45 18:24:45 18:27:45 Qual=01
 BCS 18:30 18:30 18:30 Tot Cts=11919
 UVSP 18:22 18:30 18:30 FePeak=18:30 XEN=12501
 Radio Frequency(MHz)/Flux(sfu): 606/650 1415/72 2695/31 4995/36 8800/22
 BCS 18:28 18:28 18:28 CaPeak.c/s=19 FePeak=18:28 #Peaks=1 XEN=12500
 Associated Event # = 20075

Event # = 442
 80/05/04, 20:15 DOY=125 Pitch=+287", Yaw=+286", Roll=0deg H. Ang=25deg
 Start Peak
 GOES 20:12 20:15 20:18 S21E19
 HXRBS 20:14:45 20:14:55 20:15:10 Qual=01
 BCS 20:15 20:15 20:16 Imp=01
 FCS 20:15 20:15 20:16 Peak...c/s=122
 UVSP 19:53 20:15 20:16 CaPeak.c/s=25
 Radio Frequency(MHz)/Flux(sfu): 245/780 410/160 606/32 1415/23 2695/13 4995/15 8800/18
 MaxkeV=123 #Peaks=1 XEN=12502
 FePeak.c/s=14 Step=0" Cad=.26s 0.256s/pixel
 Rast=0" x0" Step=3" Pitch=+271", Yaw=+268"

Event # = 443
 80/05/04, 20:21 DOY=125 Pitch=+287", Yaw=+286", Roll=0deg H. Ang=25deg
 Start Peak
 GOES 20:20 20:21 20:24 S21E19
 HXRBS 20:20:00 20:20:35 20:22:10 Qual=01
 BCS 20:20 20:21 20:22 Qual=01
 FCS 20:20 20:21 20:22 CaPeak.c/s=33
 UVSP 19:53 20:21 20:22 Peak...c/s=48
 Radio Frequency(MHz)/Flux(sfu): 410/25 606/21 1415/23 2695/4 4995/78
 MaxkeV=53 #Peaks=1 XEN=12504
 FePeak.c/s=18 Step=0" Cad=.26s 0.256s/pixel
 Rast=0" x0" Step=3" Pitch=+271", Yaw=+268"

Event # = 444
 80/05/04, 21:18 DOY=125 Pitch=+283", Yaw=+275", Roll=0deg H. Ang=24deg
 Start Peak
 Optical
 GOES 21:12 21:18 21:23 S21E18 AR2418
 HXRBS 21:11:00 21:12:00 21:20:10 Qual=01
 UVSP 21:14 21:14 21:14 Qual=02
 SMM Pointing: S21E18 Tot Cts=14458
 Importance=C1 FePeak=20:21 Exp #=2338
 Peak...c/s=118 WaveLength=1237A Code=00
 WaveLength=1235A Code=00 Exp #=2330

Event # = 445
 80/05/04, 22:11 DOY=125 Pitch=+284", Yaw=+265", Roll=0deg H. Ang=24deg
 Start Peak
 Optical
 GOES 22:08 22:11 22:13 S21E22 AR2418
 HXRBS 22:03:10 22:03:48 22:04:10 Qual=02
 HXIS 22:11 22:11 22:11 Qual=01
 UVSP 22:48 22:11 22:11 Peak...c/s=80
 Radio Frequency(MHz)/Flux(sfu): 245/750 410/380 606/27 1415/520 2695/17 4995/22 8800/40 15400/26
 SMM Pointing: S21E17 Tot Cts=3615
 Ha...Class=SF Exp #=2332
 Importance=C2 WaveLength=1216A
 Peak...c/s=275 Exp #=2332
 Peak...c/s=80 WaveLength=1216A
 Carr. Lon.=76deg Pitch=+245", Yaw=+216"

Event # = 446																				
80/05/04, 23:39	DOY=125														Pitch=+286"	Yaw=+260"	Roll=0deg	H. Ang=24deg		
Optical	Start																			
G0ES	23:33	23:39												AR2411						
HRBS	23:35:04	23:38:55												Mac.=FKI	Carr. Lon.=145deg		H. Ang=49deg			
UVSP	23:05														MaxkeV=53					
Radio	Frequency(MHz)/Flux(sfu):															Rast=21"x21"	Step=3"	Pitch=+306"		Yaw=+315"
SMM Pointing:		S21E17																		
Ha...Class=SN																				
Importance=C3																				
Peak...c/s=75																				
WaveLength=1237A		Code=01																		
Exp #=2335																				
1415/51																				
80/05/05 DOY=126																				
Event # = 447																				
80/05/05, 02:59	DOY=126														Pitch=+282"	Yaw=+226"	Roll=0deg	H. Ang=22deg		
Optical	Start																			
G0ES	02:55	02:59												AR2418						
HRBS	02:56:20	02:56:55												MaxkeV=123	Flags=EN					
UVSP	02:18														Rast=21"x21"	Step=3"	Pitch=+302"		Yaw=+289"	
Importance=C1		Qual=01																		
Peak...c/s=260		Qual=03																		
WaveLength=1237A		Code=01																		
Exp #=2342																				
Tot Cts=2408																				
Exp #=2342																				
SMM Pointing:																				
S21E15																				
Ha...Class=SF																				
Importance=C1																				
Peak...c/s=133																				
WaveLength=1214A																				
Code=00																				
Exp #=2345																				
606/58 1415/20																				
80/05/05, 04:08 DOY=126																				
Optical	Start																			
G0ES	04:00	04:08												AR2418						
HRBS	04:07:00	04:08:10												MaxkeV=123	Carr. Lon.=89deg		H. Ang=17deg			
UVSP	03:41														MaxkeV=123					
Radio	Frequency(MHz)/Flux(sfu):															Rast=180"x1"	Step=0"	Pitch=+302"		Yaw=+323"
SMM Pointing:		S21E14																		
Ha...Class=1F																				
Importance=C1																				
Peak...c/s=52																				
WaveLength=1214A		Code=00																		
Exp #=2345																				
606/2200 1415/20																				
80/05/05, 04:29 DOY=126																				
Optical	Start																			
G0ES	04:26	04:29												AR2411						
HRBS	04:30:00	04:30:30												Mac.=FAI	Carr. Lon.=149deg		H. Ang=55deg			
UVSP	03:41														MaxkeV=53					
Radio	Frequency(MHz)/Flux(sfu):															Rast=180"x1"	Step=0"	Pitch=+302"		Yaw=+323"
SMM Pointing:		S21E14																		
Ha...Class=SF																				
Importance=C1																				
Peak...c/s=82																				
WaveLength=1215A		Code=00																		
Exp #=2347																				
606/2200 1415/6 2695/7 4995/25 8800/34																				
80/05/05, 05:26 DOY=126																				
Optical	Start																			
G0ES	05:24	05:26												AR2418						
HRBS	05:25:04	05:25:12												Mac.=EKI	Carr. Lon.=88deg		H. Ang=17deg			
UVSP	05:21														MaxkeV=53					
Radio	Frequency(MHz)/Flux(sfu):															Rast=180"x1"	Step=0"	Pitch=+301"		Yaw=+309"
SMM Pointing:		S21E14																		
Ha...Class=SF																				
Importance=C1																				
Peak...c/s=82																				
WaveLength=1215A		Code=00																		
Exp #=2347																				
606/2200 1415/6 2695/7 4995/25 8800/34																				
80/05/05, 10:41 DOY=126																				
Optical	Start																			
G0ES	10:32	10:32												AR2411						
HRBS	10:41	10:41												Mac.=FAI	Carr. Lon.=149deg		H. Ang=55deg			
UVSP	10:32														MaxkeV=53					
C/P	Extrap St=05/05, 10:03															Rast=60"x60"	Step=3"	Pitch=+290"		Yaw=+27"
SMM Pointing:		S21E11																		
Qual=00																				
WaveLength=1548A		Interior loop emitting in H-alpha																		
PA=299deg																				
Exp #=2361																				
loop emitting in H-alpha																				
80/05/05, 10:52 DOY=126																				
Optical	Start																			
G0ES	10:48	10:52												AR2411						
HRBS	10:50:47	10:51:15												MaxkeV=53	Carr. Lon.=145deg		H. Ang=49deg			
UVSP	10:52														MaxkeV=53					
Radio	Frequency(MHz)/Flux(sfu):															Rast=60"x60"	Step=3"	Pitch=+289"		Yaw=+25"
SMM Pointing:		S21E11																		
Qual=03																				
Peak...c/s=76																				
WaveLength=1548A		Code=02																		
Exp #=2363																				
606/2200 1415/20																				
80/05/05, 10:52 DOY=126																				
Optical	Start																			
G0ES	10:48	10:52												AR2411						
HRBS	10:50:47	10:51:15												MaxkeV=53	Carr. Lon.=145deg		H. Ang=49deg			
UVSP	10:52														MaxkeV=53					
Radio	Frequency(MHz)/Flux(sfu):															Rast=60"x60"	Step=3"	Pitch=+289"		Yaw=+25"
SMM Pointing:		S21E11																		
Qual=03																				
Peak...c/s=76																				
WaveLength=1548A		Code=02																		
Exp #=2363																				
606/2200 1415/20																				

Event # = 452 80/05/05,21:11 Start	DOY=126 Peak	End times	SMM Pointing:	S19E04	Pitch=+253", Yaw=+65", Roll=0deg	H. Ang=16deg
GOES HXRBS UVSP	21:09:00 21:11:40 21:10	21:12:40	Qual=00 Qual=01 WaveLength=1542A	Exp #=2387	MaxkeV=123 Rast=3"x3" Step=0" Pitch=+303", Yaw=-27"	
Event # = 453 80/05/05,23:08 Start	DOY=126 Peak	End times	SMM Pointing:	S19E03	Pitch=+254", Yaw=+53", Roll=0deg	H. Ang=16deg
Optical GOES HXRBS UVSP	23:05 23:07:26 23:04	23:10 23:08:16	Ha...Class=SF Importance=C1 Peak...c/s=69 WaveLength=1542A	Code=00 Exp #=2393	Mac.=FKI MaxkeV=53 Rast=3"x3" Step=0" Pitch=+307", Yaw=-24"	H. Ang=55deg
Event # = 454 80/05/05,23:33 Start	DOY=126 Peak	End times	SMM Pointing:	S19E03	Pitch=+251", Yaw=+43", Roll=0deg	H. Ang=16deg
GOES HXRBS UVSP	23:33:10 23:08	23:34:10	Qual=00 Qual=01 WaveLength=1547A	Exp #=2394	MaxkeV=53 Rast=120"x120" Step=3" Pitch=+273", Yaw=-25"	
Event # = 455 80/05/06,04:08 Start	DOY=127 Peak	End times	SMM Pointing:	S19E01	Pitch=+254", Yaw=+13", Roll=0deg	H. Ang=15deg
GOES HXRBS UVSP	04:05 04:06:40 03:42	04:12 04:07:40	Importance=C1 Peak...c/s=140 WaveLength=1547A	Tot Cts=185 Exp #=2405	MaxkeV=123 Rast=3"x6" Step=3" Pitch=+262", Yaw=-35"	
Event # = 20171 80/05/06,10:24 Start	DOY=127 Peak	End times	SMM Pointing:	S18W68	Pitch=+273", Yaw=-837", Roll=0deg	H. Ang=68deg
GOES UVSP C/P	10:22 10:24	Extrap St=05/06,09:35	WaveLength=1547A PA=281deg	Qual=00 Interior loop emitting in H-alpha	Rast=240"x240" Step=3" Pitch=+224", Yaw=-897"	
Event # = 456 80/05/06,18:11 Start	DOY=127 Peak	End times	SMM Pointing:	N02W18	Pitch=-300", Yaw=+92", Roll=90deg	H. Ang=19deg
Optical GOES HXRBS UVSP Radio	18:06 18:08:30 18:05	18:19 18:11:05	Ha...Class=IN Importance=C4 Peak...c/s=400 WaveLength=1237A	Code=00 Exp #=2441 606/93 1415/32 2695/22 4995/15	Mac.=FAI MaxkeV=123 Rast=120"x120" Step=3" Pitch=-296", Yaw=-10"	H. Ang=72deg
Event # = 457 80/05/07,02:43 Start	DOY=128 Peak	End times	SMM Pointing:	S20W12	Pitch=-183", Yaw=-277", Roll=90deg	H. Ang=20deg
GOES HXRBS UVSP	02:38 02:40:00 02:00	02:47 02:41:30	Importance=C2 Peak...c/s=68 WaveLength=1547A	Code=00 Exp #=2461	MaxkeV=53 Rast=3"x6" Step=3" Pitch=-250", Yaw=-268"	

Event # = 458		SMM Pointing: S20W13		Pitch=-203", Yaw=-273", Roll=90deg		H. Ang=21deg	
80/05/07, 04:07	DOY=128	End times					
Start	Peak	04:11					
GOES 04:00	04:07	04:10:58	Qual=01				
HXRBS 04:03:08	04:03:39	04:10:58	Qual=01	Tot Cts=14062	MaxkeV=474	Flags=M,FS	
UVSP 03:39			Code=00	Exp #=2463	Rast=3"x6"	Step=3"	Pitch=-264", Yaw=-269"
Radio	Frequency(MHz)/Flux(sfu):		410/120 606/5100 1415/260 2695/130 4995/160 8800/200 15400/220				
Event # = 459		SMM Pointing: S18W77		Pitch=-882", Yaw=-288", Roll=90deg		H. Ang=77deg	
80/05/07, 10:36	DOY=128	End times					
Start	Peak	10:41					
GOES 10:33	10:36	10:35:59	Qual=01				
HXRBS 10:32:59	10:34:02	10:35:59	Qual=01	Tot Cts=4925	MaxkeV=53	#Peaks=1	dt= 6.1s XEN=12800
BCS 10:33	10:36	10:41	Code=00	FePeak=10:36	Rast=240"x240"	Step=15"	Cad= 262s 1.024s/pixel
FCS 10:38			Qual=1				
HXIS 10:33			Peak3...c/s=127				
UVSP 10:36			Peak...c/s=84	Exp #=2480	Rast=113"x113"	Step=10"	Pitch=-1022", Yaw=-331"
Event # = 460		SMM Pointing: S04W00		Pitch=+6", Yaw=+4", Roll=0deg		H. Ang=0deg	
80/05/07, 13:10	DOY=128	End times					
Start	Peak	13:15					
GOES 13:05	13:10	13:09:29	Qual=04				
HXRBS 13:07:04	13:08:33	13:09:29	Qual=01	Tot Cts=4250	MaxkeV=123		
UVSP 13:32			Code=02	Exp #=2488	Rast=3"x3"	Step=0"	Pitch=+4", Yaw=-133"
Event # = 461		SMM Pointing: S23W17		Pitch=+321", Yaw=-252", Roll=0deg		H. Ang=25deg	
80/05/07, 14:56	DOY=128	End times					
Start	Peak	14:59					
Optical							
GOES 14:53	14:56	14:57:49	Qual=05				
HXRBS 14:55:19	14:56:06	14:57:49	Qual=01	Tot Cts=66419	MaxkeV=254	Flags=M,FS	
BCS 14:55	14:58	15:03	Code=00	FePeak=14:58	Rast=180"x180"	Step=15"	Cad= 147s 1.024s/pixel
FCS 14:59			Qual=5				
HXIS 14:49			Peak3...c/s=1482				
UVSP 14:56			Peak...c/s=602	Exp #=2492	Rast=120"x120"	Step=3"	Pitch=+331", Yaw=-374"
Radio	Frequency(MHz)/Flux(sfu):		606/12000 1415/5500 2695/220 4995/78 8800/85 15400/49				
Event # = 20674		SMM Pointing: S23W17		Pitch=+324", Yaw=-253", Roll=0deg		H. Ang=26deg	
80/05/07, 16:26	DOY=128	End times					
Start	Peak	16:36					
GOES 16:19	16:26	16:36	Qual=00				
UVSP 16:26	16:26	16:36	Code=00	Exp #=2494	Rast=3"x3"	Step=0"	Pitch=+299", Yaw=-318"
C/P	Extrap	St=05/07, 06:00	PA=94deg				
Event # = 462		SMM Pointing: S23W17		Pitch=+324", Yaw=-253", Roll=0deg		H. Ang=26deg	
80/05/07, 17:14	DOY=128	End times					
Start	Peak	17:36					
GOES 17:10	17:14	17:15:26	Qual=03				
HXRBS 17:14:11	17:14:30	17:15:26	Qual=01	Tot Cts=4925	MaxkeV=53	#Peaks=1	dt= 6.1s XEN=12800
UVSP 16:35			Code=00	Exp #=2496	Rast=60"x60"	Step=3"	Pitch=+333", Yaw=-313"

Event # = 463	DOY=128	S18W86	Pitch=+292", Yaw=-903", Roll=0deg	H. Ang=85deg
80/05/07 21:28	Peak	SMM Pointing:		
GOES 21:15	21:42	Importance=C1		
HXRBS 21:18:04	21:18:16	Peak...c/s=54	MaxkeV=53	
UVSP 21:26	21:18:34	Wave length=1542A	Rast=3"x3"	Step=0" Pitch=+314", Yaw=-905"
			Exp #=2510	
Event # = 464	DOY=128	S18W89	Pitch=+294", Yaw=-905", Roll=0deg	H. Ang=88deg
80/05/07 23:29	Peak	SMM Pointing:		
Optical	End times	Ha...Class=1N	Mac.=EKI	H. Ang=28deg
GOES 23:20	23:29	Importance=C5	AR2418	
HXRBS 23:21:15	23:23:10	Peak...c/s=220	Tot Cts=13914	
UVSP 23:04	23:30:20	Wave length=1547A	Exp #=2515	
Radio	Frequency(MHz)/Flux(sfu):	606/5 1415/19 2695/36	Step=3"	Pitch=+314", Yaw=-907"
Event # = 465	DOY=129	80/05/08	Pitch=+301", Yaw=-904", Roll=0deg	H. Ang=16deg
80/05/08 00:23	Peak	SMM Pointing:		
Optical	End times	Ha...Class=SF	Mac.=DRI	
GOES 00:16	00:23	Importance=C2	AR2440	
HXRBS 00:18:15	00:18:30	Peak...c/s=78	MaxkeV=76	
UVSP 00:18	00:18:45	Wave length=1542A	Rast=3"x3"	
Radio	Type/Intensity:	V/1	Step=0"	Pitch=+314", Yaw=-907"
Event # = 466	DOY=129	S22W18	Pitch=+301", Yaw=-904", Roll=0deg	H. Ang=26deg
80/05/08 00:58	Peak	SMM Pointing:		
Optical	End times	Ha...Class=SB	Mac.=EKI	
GOES 00:54	01:04	Importance=M2	AR2418	
HXRBS 00:56:25	00:57:35	Peak...c/s=3550	Tot Cts=1.94E+5	
UVSP 00:41	01:02:50	Wave length=1547A	Exp #=2519	
Radio	Type/Intensity:	I1/2 I11/1 V/1	Flags=M	
Radio	Frequency(MHz)/Flux(sfu):	245/19000 410/5700 606/12000 1415/340 2695/180 4995/190 8800/300 15400/150	Step=3"	Pitch=+316", Yaw=-907"
Event # = 467	DOY=129	S21W20	Pitch=+295", Yaw=-912", Roll=0deg	H. Ang=26deg
80/05/08 04:20	Peak	SMM Pointing:		
Optical	End times	Ha...Class=SF	Mac.=EKI	
GOES 04:16	04:20	Importance=C1	AR2418	
HXRBS 04:19:37	04:19:50	Peak...c/s=460	Tot Cts=6260	
UVSP 03:47	04:21:11	Wave length=1237A	Exp #=2526	
Radio	Frequency(MHz)/Flux(sfu):	606/840 1415/19	Step=3"	Pitch=+279", Yaw=-918"
HXRBS 04:23:16	04:23:25	Associated Event # = 468		
		Qual=01	MaxkeV=53	
Event # = 21056	DOY=129	S23W25	Pitch=+326", Yaw=-368", Roll=0deg	H. Ang=31deg
80/05/08 05:30	Peak	SMM Pointing:		
Optical	End times	Ha...Class=SF	Mac.=DRI	H. Ang=15deg
GOES 05:20	05:30	Importance=C1	AR2440	
UVSP 05:16	05:42	Wave length=1547A	Exp #=2529	
		Code=00	Step=3"	Pitch=+310", Yaw=-361"

Event # = 469											
80/05/08,08:45	DOY=129	S23W26	SMM Pointing:	Pitch=+325",Yaw=-391",Roll=0deg		H.Ang=32deg					
Start	Peak	Qual=01	Importance=C1								
GOES 08:42	08:45	Qual=01	Peak...c/s=130								
HXRBS 08:43:04	08:43:20	Code=00	Wavelength=2792A	Tot Cts=929							
UVSP 08:32	08:32			Exp #=2536							
Event # = 470											
80/05/08,09:14	DOY=129	S23W26	SMM Pointing:	Pitch=+325",Yaw=-391",Roll=0deg		H.Ang=32deg					
Start	Peak	Qual=03	Ha...Class=SF	Mac.=DRI Carr.Lon.=52deg							
GOES 09:10	09:14	Qual=01	Importance=C1								
HXRBS 09:09:38	09:10:30	Code=00	Peak...c/s=110	AR2440							
BGS 09:12	09:14	Qual=3	CaPeak.c/s=37	Tot Cts=2039							
FCS 09:15	09:15		Peak3...c/s=210	FePeak=09:14							
HXIS 09:14	09:14		Peak...c/s=76								
UVSP 08:46	08:46		Wavelength=2797A	Exp #=2537							
Event # = 20076											
80/05/08,10:59	DOY=129	S23W28	SMM Pointing:	Pitch=+326",Yaw=-409",Roll=0deg		H.Ang=33deg					
Start	Peak	Qual=02	Importance=C2								
GOES 10:47	10:59	Qual=2	CaPeak.c/s=25	FePeak=10:53							
BGS 10:50	10:53		Peak3...c/s=105								
FCS 10:44	10:52		Wavelength=1547A	Code=01 Exp #=2543							
UVSP 10:44	10:44										
Event # = 20077											
80/05/08,12:14	DOY=129	S23W29	SMM Pointing:	Pitch=+333",Yaw=-421",Roll=0deg		H.Ang=34deg					
Start	Peak	Qual=03	Ha...Class=SF	Mac.=EKI Carr.Lon.=75deg							
GOES 12:08	12:14	Qual=1	Importance=C3	AR2418							
BGS 12:10	12:10		CaPeak.c/s=24	FePeak=12:10							
FCS 12:10	12:10		Peak3...c/s=123								
UVSP 12:10	12:10		Wavelength=1547A	Code=00 Exp #=2547							
Event # = 471											
80/05/08,13:44	DOY=129	S23W29	SMM Pointing:	Pitch=+328",Yaw=-430",Roll=0deg		H.Ang=35deg					
Start	Peak	Qual=01	Ha...Class=SB	Mac.=EKI Carr.Lon.=75deg							
GOES 13:40	13:44	Qual=01	Importance=M1	AR2418							
HXRBS 13:40:00	13:42:00	Qual=1	Peak...c/s=440	Tot Cts=39340							
BGS 13:40	13:44		CaPeak.c/s=482	FePeak=13:43							
FCS 13:48	13:48		Peak3...c/s=54								
HXIS 13:42	13:42		peak...c/s=893								
UVSP 13:40	13:40		Wavelength=1547A	Code=00 Exp #=2552							
Radio	Frequency(MHz)/Flux(sfu):	606/110	1415/29	2695/45		4995/33		8800/69			
Event # = 472											
80/05/08,14:11	DOY=129	S23W29	SMM Pointing:	Pitch=+328",Yaw=-430",Roll=0deg		H.Ang=35deg					
Start	Peak	Qual=02	Ha...Class=SN	Mac.=EKI Carr.Lon.=75deg							
GOES 14:04	14:11	Qual=03	Importance=C4	AR2418							
HXRBS 14:04:28	14:04:50	Qual=2	Peak...c/s=85	FePeak=14:04							
BGS 14:04	14:04		CaPeak.c/s=21								
FCS 14:04	14:04		Peak3...c/s=6								
UVSP 14:00	14:00		Wavelength=1547A	Code=01 Exp #=2554							

Event # = 473		80/05/08,19:38		DOY=129		Peak		SMM Pointing:		N36W80		Pitch=-570",Yaw=-756",Roll=0deg		H.Ang=84deg	
Optical		Start		End times		Ha...Class=SB		AR2418		Mac.=EKI		Carr. Lon.=76deg		H.Ang=34deg	
GOES		19:34		19:38		Importance=M2		Qual=01		MaxkeyV=172		Flags=M			
HXRBS		19:35:50		19:37:10		Peak...c/s=1980		Qual=01		Rast=10"x10"		Step=0"		Pitch=-511",Yaw=-696"	
UVSP		19:36				Wavelength=1211A		Code=00		Exp #=2567					
Radio		Sweeps		Type/Intensity:		111/1									
Radio		Frequency		(MHz)/Flux(sfu):		606/55		1415/34		2695/39		4995/54		8800/120	
Event # = 474		80/05/08,21:05		DOY=129		Peak		SMM Pointing:		N36W80		Pitch=-570",Yaw=-756",Roll=0deg		H.Ang=84deg	
GOES		Start		End times		Peak...c/s=85		Qual=00		MaxkeyV=123					
HXRBS		21:04:45		21:05:30		Wavelength=1211A		Qual=01		Rast=10"x10"		Step=0"		Pitch=-521",Yaw=-824"	
UVSP		21:26				Exp #=2573		Code=02		Exp #=2576					
Event # = 475		80/05/08,21:42		DOY=129		Peak		SMM Pointing:		N36W80		Pitch=-570",Yaw=-765",Roll=0deg		H.Ang=84deg	
GOES		Start		End times		Importance=C2		Qual=01		MaxkeyV=53					
HXRBS		21:33		21:42		Peak...c/s=85		Qual=01		Rast=10"x10"		Step=0"		Pitch=-541",Yaw=-824"	
UVSP		21:33:10		21:34:00		Wavelength=1211A		Code=02		Exp #=2576					
Event # = 20176		80/05/09,02:13		DOY=130		Peak		SMM Pointing:		S22W33		Pitch=+318",Yaw=-483",Roll=0deg		H.Ang=37deg	
GOES		Start		End times		Importance=C3		Qual=01		FePeak.c/s=7		#Peaks=1		dt= 3.0s	
BCS		02:08		02:13		CaPeak.c/s=37		Qual=1		Rast=0"x0"		Step=0"		Cad=.26s	
FCS		02:20		02:23		Peak...c/s=64		Code=00		Exp #=2587					
HXIS		01:59		02:22		Wavelength=1348A		Code=00		Exp #=2587				Pitch=240"x240" Step=3" Pitch=+276",Yaw=-536"	
UVSP		01:59													
Event # = 476		80/05/09,03:42		DOY=130		Peak		SMM Pointing:		S22W34		Pitch=+315",Yaw=-488",Roll=0deg		H.Ang=38deg	
GOES		Start		End times		Importance=C2		Qual=01		MaxkeyV=54					
HXRBS		03:37		03:42		Peak...c/s=115		Qual=01		FePeak.c/s=12		#Peaks=1		dt= 3.0s	
BCS		03:38:55		03:39:00		CaPeak.c/s=47		Qual=1		Rast=30"x30"		Step=10"		Cad=9.22s	
FCS		03:39		03:41		Peak3...c/s=419		Code=00		Exp #=2590					
HXIS		03:42		03:42		Peak...c/s=69		Code=00		Exp #=2590				Pitch=120"x240" Step=3" Pitch=+268",Yaw=-538"	
UVSP		03:30													
Event # = 477		80/05/09,05:36		DOY=130		Peak		SMM Pointing:		S22W34		Pitch=+315",Yaw=-495",Roll=0deg		H.Ang=38deg	
GOES		Start		End times		Importance=C2		Qual=01		MaxkeyV=54					
HXRBS		05:28		05:36		Peak...c/s=80		Qual=01		Rast=120"x120"		Step=3"		Pitch=+315",Yaw=-490"	
UVSP		05:31:30		05:32:20		Wavelength=1547A		Code=00		Exp #=2597					

Event # = 484 80/05/10,05:19 Start	D0Y=131 Peak	End times	SMM Pointing: S03W00	S03W00	Pitch=+0", Yaw=+0", Roll=55deg	H. Ang=0deg
Optical			Ha...Class=SN	AR2438	Mac.=EKI	Carr. Lon.=350deg
GOES 05:16	05:19	05:21	Importance=C1		MaxkeV=76	H. Ang=39deg
HXRBS 05:18:00	05:18:50	05:19:20	Peak...c/s=106	Tot Cts=1319	Rast=120"x120"	
UVSP 05:11			Wave length=1215A	Exp # = 2673	Step=3"	Pitch=-52", Yaw=-46"
Radio			Frequency(MHz)/Flux(sfu): 606/190			
Event # = 485 80/05/10,05:26 Start	D0Y=131 Peak	End times	SMM Pointing: S03W00	S03W00	Pitch=+0", Yaw=+0", Roll=60deg	H. Ang=0deg
Optical			Ha...Class=SN	AR2438	Mac.=EKI	Carr. Lon.=350deg
GOES 05:23	05:26	05:30	Importance=C1		MaxkeV=54	H. Ang=39deg
HXRBS 05:26:25	05:26:50	05:27:45	Peak...c/s=135	Tot Cts=1483	Rast=120"x120"	
UVSP 05:22			Wave length=1301A	Exp # = 2675	Step=3"	Pitch=-52", Yaw=-46"
Radio			Sweeps Type/Intensity: III/2			
Event # = 486 80/05/10,15:07 Start	D0Y=131 Peak	End times	SMM Pointing: S03W00	S03W00	Pitch=+2", Yaw=-1", Roll=0deg	H. Ang=0deg
Optical			Ha...Class=SN	AR2438	Mac.=EKI	Carr. Lon.=352deg
GOES 15:03	15:07	15:30	Importance=C2		MaxkeV=54	H. Ang=33deg
HXRBS 15:05:10	15:05:58	15:06:14	Peak...c/s=55	Tot Cts=2705	Rast=240"x240"	Flags=ND
UVSP 14:49			Wave length=1547A	Exp # = 2705	Step=3"	Pitch=-545", Yaw=-872"
Radio			Sweeps Type/Intensity: V/2			
Event # = 487 80/05/10,17:57 Start	D0Y=131 Peak	End times	SMM Pointing: N70W70	N70W70	Pitch=-489", Yaw=-814", Roll=-41deg	H. Ang=86deg
Optical			Ha...Class=SN	AR2438	Mac.=EKI	Carr. Lon.=351deg
GOES 17:54	17:57	18:02	Importance=C4		MaxkeV=254	H. Ang=32deg
HXRBS 17:57:12	17:57:13	18:00:32	Peak...c/s=440	Tot Cts=7766	Rast=60"x240"	Flags=FS
UVSP 17:54			Wave length=1215A	Exp # = 2710	Step=3"	Pitch=-455", Yaw=-872"
Radio			Sweeps Type/Intensity: V/3			
Radio			Frequency(MHz)/Flux(sfu): 245/600 410/1300 606/800 1415/15			
Event # = 488 80/05/10,19:54 Start	D0Y=131 Peak	End times	SMM Pointing: S21W56	S21W56	Pitch=+740", Yaw=-314", Roll=-44deg	H. Ang=58deg
Optical			Ha...Class=SB	AR2438	Mac.=EKI	Carr. Lon.=349deg
GOES 19:49	19:54	20:02	Importance=C5		MaxkeV=254	H. Ang=32deg
HXRBS 19:51:28	19:52:08	19:55:18	Peak...c/s=1750	Tot Cts=96102	Rast=240"x240"	Pitch=+698", Yaw=-362"
UVSP 19:53			Wave length=1547A	Exp # = 2723	Step=3"	
Radio			Frequency(MHz)/Flux(sfu): 245/32 410/180 606/160 1415/21 2695/61 4995/110 8800/290 15400/130			
Event # = 489 80/05/10,20:15 Start	D0Y=131 Peak	End times	SMM Pointing: S55W34	S55W34	Pitch=+751", Yaw=-311", Roll=0deg	H. Ang=59deg
Optical			Ha...Class=IN	AR2418	Mac.=EHO	Carr. Lon.=77deg
GOES 20:04	20:15	20:16	Importance=C3		MaxkeV=54	H. Ang=59deg
HXRBS 20:04:20	20:04:50	20:05:20	Peak...c/s=100	Tot Cts=1790	Rast=240"x240"	Pitch=+708", Yaw=-360"
UVSP 20:15			Wave length=1547A	Exp # = 2725	Step=3"	
HXRBS 20:15:00	20:15:05	20:16:00	Associated Qual=01	Event # = 490	MaxkeV=54	

Event # = 491
 80/05/10,20:22 DOY=131 Peak End times
 SMM Pointing: S44W39 H. Ang=54deg
 Optical Pitch=+637", Yaw=-428", Roll=0deg
 GOES 20:16 20:22 20:50 Ha...Class=SB S15E28 AR2438 Mac.=EKI Carr. Lon.=352deg H. Ang=30deg
 HXRBS 20:21:10 20:21:20 20:24:10 Importance=C5 Qual=03 Maxkey=254
 UVSP 20:15 20:21:10 20:21:20 20:24:10 Peak...c/s=200 Qual=01 Tot Cts=5031 Rast=240"x240" Step=3" Pitch=+708", Yaw=-360"
 Radio Sweeps Type/Intensity: V/3 Wave length=1547A Code=00 Exp #=2725
 Radio Frequency(MHz)/Flux(sfu): 245/490 410/160 606/870 1415/21

80/05/12 DOY=133
 Event # = 495
 80/05/12,05:57 DOY=133 Peak End times
 SMM Pointing: S03W00 H. Ang=0deg
 Optical Pitch=+0", Yaw=+0", Roll=0deg
 GOES 05:55 05:57 06:00 Ha...Class=SB S13E09 AR2438 Mac.=EAI Carr. Lon.=353deg H. Ang=13deg
 HXRBS 05:55:40 05:57:50 05:59:20 Importance=C2 Qual=01 Maxkey=123
 Radio Frequency(MHz)/Flux(sfu): 245/820 410/32 Tot Cts=2138

Event # = 492
 80/05/12,10:19 DOY=133 Peak End times
 SMM Pointing: S03W00 H. Ang=0deg
 Optical Pitch=-1", Yaw=-5", Roll=0deg
 GOES 10:13 10:19 10:21 Ha...Class=SN S27W06 AR2433 Mac.=8X0 Carr. Lon.=5deg H. Ang=25deg
 HXRBS 10:13:40 10:14:36 10:15:50 Importance=C1 Qual=01 Tot Cts=15163
 Radio Frequency(MHz)/Flux(sfu): 1415/13 2695/47 8800/19 Flags=EW

Event # = 493
 80/05/12,13:41 DOY=133 Peak End times
 SMM Pointing: S03W00 H. Ang=0deg
 Optical Pitch=-1", Yaw=+5", Roll=0deg
 GOES 13:39 13:41 13:46 Ha...Class=SF S23W81 AR2418 Mac.=HSX Carr. Lon.=78deg H. Ang=81deg
 HXRBS 13:39:45 13:40:18 13:40:45 Importance=C2 Qual=01 Maxkey=54
 UVSP 14:37 13:39:45 13:40:18 13:40:45 Peak...c/s=82 Qual=01 Exp #=2727 Step=0" Pitch=-53", Yaw=-46"
 Radio Frequency(MHz)/Flux(sfu): 1415/13 2695/47 8800/19

Event # = 494
 80/05/12,16:30 DOY=133 Peak End times
 SMM Pointing: S03W00 H. Ang=0deg
 Optical Pitch=-1", Yaw=-5", Roll=0deg
 GOES 16:26 16:30 16:35 Ha...Class=SN S13E08 AR2438 Mac.=EAI Carr. Lon.=348deg H. Ang=13deg
 HXRBS 16:28:48 16:29:17 16:30:08 Importance=C2 Qual=01 Maxkey=54
 BCS 16:29 16:29 16:30 CaPeak.c/s=26 FePeak=13
 FCS 16:30 16:29 16:30 Peak3...c/s=9 FePeak=16:29
 UVSP 16:19 16:30 16:30 Wave length=1547A Code=00 Exp #=2737
 Radio Frequency(MHz)/Flux(sfu): 245/490 410/160 606/870 1415/21

Event # = 10540
 80/05/12,23:31 DOY=133 Peak End times
 SMM Pointing: S03W00 H. Ang=0deg
 HXRBS 23:31:43 23:31:54 23:32:09 Peak...c/s=37 Qual=01 Pitch=+340", Yaw=-889", Roll=0deg
 UVSP 22:59 23:31:43 23:31:54 23:32:09 Wave length=1547A Exp #=2749 Flags=NS
 Radio Frequency(MHz)/Flux(sfu): 245/490 410/160 606/870 1415/21 Rast=120"x120" Step=3" Pitch=+363", Yaw=-886"

80/05/13 DOY=134

Event # = 496
 80/05/13,02:11 DOY=134
 Start Peak End times
 SMM Pointing:
 Ha...Class=SF S07E62 AR2452 Carr.Lon.=288deg H.Ang=62deg
 Importance=C1 Qual=01
 Peak...c/s=60 Qual=01
 Wave length=2792A Code=00 Exp #=2755
 Pitch=+339",Yaw=-893",Roll=0deg
 Mac.=DAO
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=+294",Yaw=-955"

80/05/14 DOY=135

Event # = 501
 80/05/14,08:56 DOY=135
 Start Peak End times
 SMM Pointing: S03W00 H.Ang=0deg
 Importance=C2 Qual=01
 Peak...c/s=90 Qual=01
 Wave length=1547A Code=00 Exp #=2896
 Pitch=+0",Yaw=-6",Roll=0deg
 MaxkeV=54
 Rast=60"x60" Step=3" Pitch=-49",Yaw=-56"

80/05/14 DOY=135

Event # = 498
 80/05/14,10:10 DOY=135
 Start Peak End times
 SMM Pointing: S03W00 H.Ang=0deg
 Importance=C1 Qual=01
 Peak...c/s=65 Qual=01
 Wave length=1547A Code=00 Exp #=2902
 Associated Event # = 497
 MaxkeV=54
 Rast=60"x60" Step=3" Pitch=-40",Yaw=-50"
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=-53",Yaw=-46"

80/05/14 DOY=135

Event # = 499
 80/05/14,12:58 DOY=135
 Start Peak End times
 SMM Pointing: S03W00 H.Ang=0deg
 Ha...Class=1B S12E80 AR2456 Carr.Lon.=251deg H.Ang=80deg
 Importance=M2 Qual=04
 Peak...c/s=1500 Qual=01 Tot Cts=1.18E+5 MaxkeV=379
 Wave length=2792A Code=02 Exp #=2920 Rast=15"x15" Step=3" Pitch=-58",Yaw=-17"
 Type/Intensity: I1/2
 Radio Sweeps
 Frequency(MHz)/Flux(sfu): 245/94 1415/12 2695/140 8800/160 15400/58

80/05/14 DOY=135

Event # = 500
 80/05/14,13:32 DOY=135
 Start Peak End times
 SMM Pointing: S03W00 H.Ang=0deg
 Importance=C1 Qual=01
 Peak...c/s=65 Qual=01
 Wave length=2801A Code=00 Exp #=2922
 Pitch=+0",Yaw=+6",Roll=0deg
 MaxkeV=54
 Rast=3"x3" Step=0" Pitch=+65",Yaw=-164"

80/05/14 DOY=135

Event # = 4268
 80/05/14,14:38 DOY=135
 Start Peak End times
 SMM Pointing: S03W00 H.Ang=0deg
 Peak...c/s=64 Qual=01
 Wave length=1199A
 MaxkeV=123 Flags=I
 Rast=180"x1" Step=0" Pitch=-53",Yaw=-2"
 Exp #=2924

Event # = 4269									
80/05/14, 15:20	DOY=135		SMM Pointing:	S03W00			Pitch=+0", Yaw=-5", Roll=0deg		H. Ang=0deg
Optical	Start	End times	Ha...Class=SN	S13W22			Mac.=EAI	Carr. Lon.=352deg	H. Ang=24deg
GOES	15:07	15:48	Importance=C1	Qual=01			MaxkeV=54	Flags=I	
HXRBS	15:17:35	15:22:15	Peak...c/s=78	Qual=01			Rast=180"x1"	Pitch=-53", Yaw=-2"	
UVSP	14:33		WaveLength=1199A	Code=01	Exp #=2924				
Radio	Frequency(MHz)/Flux(sfu):		410/19 606/36	1415/38					
Event # = 502									
80/05/14, 19:25	DOY=135		SMM Pointing:	S03W00			Pitch=-1", Yaw=+4", Roll=0deg		H. Ang=0deg
Optical	Start	End times	Ha...Class=2M	S18W21			Mac.=EAI	Carr. Lon.=349deg	H. Ang=26deg
GOES	19:15	19:55	Importance=M1	Qual=01			MaxkeV=123		
HXRBS	19:20:00	19:21:40	Peak...c/s=720	Qual=01	Tot Cts=14381		Rast=180"x1"	Pitch=-53", Yaw=-2"	
UVSP	19:19		WaveLength=1232A	Code=00	Exp #=2927				
Radio	Type/Intensity:		II/3 V/3						
Radio	Frequency(MHz)/Flux(sfu):		410/1400 606/1100	1415/86 2695/51 4995/110 8800/130 15400/110					
80/05/15 DOY=136									
Event # = 6752									
80/05/15, 01:04	DOY=136		SMM Pointing:	S03W00			Pitch=+0", Yaw=+0", Roll=0deg		H. Ang=0deg
Optical	Start	End times	Ha...Class=1M	S14W27			Mac.=DSO	Carr. Lon.=352deg	H. Ang=29deg
GOES	01:01	01:11	Importance=C3	Qual=01			MaxkeV=147	Flags=ND	
HXRBS	01:02:05	01:07:06	Peak...c/s=2235	Qual=01	Tot Cts=44927		Rast=180"x1"	Pitch=-54", Yaw=-2"	
UVSP	01:44		WaveLength=1276A		Exp #=2931				
Radio	Type/Intensity:		II/2 V/3						
Radio	Frequency(MHz)/Flux(sfu):		245/1100 410/250 606/530 1415/210 2695/68 4995/110 8800/130 15400/34						
Event # = 503									
80/05/15, 20:01	DOY=136		SMM Pointing:	S13E85			Pitch=+213", Yaw=+922", Roll=0deg		H. Ang=85deg
Optical	Start	End times	Ha...Class=SF	S07E25			Mac.=DSO	Carr. Lon.=289deg	H. Ang=25deg
GOES	19:36	20:08	Importance=C2	Qual=01			MaxkeV=54		
HXRBS	19:56:57	20:00:57	Peak...c/s=87	Qual=01	Exp #=2932		Rast=3"x3"	Pitch=+165", Yaw=+861"	
UVSP	20:57		WaveLength=1198A						
Radio	Type/Intensity:		II/2 V/3						
Radio	Frequency(MHz)/Flux(sfu):		245/280 410/41 606/190 1415/53 2695/54						
Event # = 20181									
80/05/15, 20:45	DOY=136		SMM Pointing:	S13E85			Pitch=+213", Yaw=+922", Roll=0deg		H. Ang=85deg
Optical	Start	End times	Ha...Class=1B	S12E65			Mac.=EKI	Carr. Lon.=249deg	H. Ang=65deg
GOES	20:16	21:08	Importance=M2	Qual=05			FePeak.c/s=76	#Peaks=1	XEN=13600
BCS	20:54	21:25	CaPeak.c/s=482	Qual= 5	FePeak=20:55		Rast=240"x240"	Step=15"	Cad= 262s
FCS	20:56		Peak3...c/s=1294						1.024s/pixel
HXIS	20:55		Peak...c/s=768						
UVSP	20:57		WaveLength=1198A		Exp #=2932		Rast=3"x3"	Step=0"	Pitch=+165", Yaw=+861"
Radio	Frequency(MHz)/Flux(sfu):		245/280 410/41 606/190 1415/53 2695/54						
Event # = 504									
80/05/15, 21:39	DOY=136		SMM Pointing:	S13E83			Pitch=+213", Yaw=+919", Roll=0deg		H. Ang=83deg
Optical	Start	End times	Ha...Class=10A	Qual=00			MaxkeV=54		
GOES	21:39:20	21:40:20	Peak...c/s=104	Qual=01	Tot Cts=1228		Rast=3"x3"	Step=0"	Pitch=+165", Yaw=+861"
HXRBS	21:39:20	21:39:58	WaveLength=1198A		Exp #=2932				
UVSP	20:57								

Event # = 505
 80/05/16,00:15 DOY=137
 Start Peak
 Optical SMM Pointing: Pitch=+217", Yaw=+926", Roll=0deg
 GOES 00:05 00:15 00:23 00:15 00:23 00:15 00:23 00:15 00:23
 HXRBS 00:12:40 00:13:20 00:14:20 00:13:20 00:14:20 00:13:20 00:14:20 00:13:20 00:14:20
 BCS 00:08 00:14 00:21 00:14 00:21 00:14 00:21 00:14 00:21
 FCS 00:19 00:19 00:21 00:19 00:21 00:19 00:21 00:19 00:21
 UVSP 00:10 00:19 00:21 00:19 00:21 00:19 00:21 00:19 00:21
 Ha...Class=1N
 Importance=C4
 Peak...c/s=160
 CaPeak.c/s=61
 Peak3...c/s=392
 Wavelength=1547A Code=00 Exp #=2934
 S15E62 AR2456
 Qual=04
 Qual=01
 Qual=1
 Tot Cts=2262
 FePeak=00:14
 Code=00 Exp #=2934
 Mac.=EKI Carr.Lon.=250deg H.Ang=62deg
 MaxkeV=54 #Peaks=2 dt= 6.1s XEN=13700
 FePeak.c/s=23 Step=15" Cad= 262s 1.024s/pixel
 Rast=240"x240" Step=3" Pitch=+165", Yaw=+861"
 Rast=240"x240"

Event # = 20182
 80/05/16,03:11 DOY=137
 Start Peak
 Optical SMM Pointing: Pitch=+212", Yaw=+929", Roll=0deg
 GOES 02:58 03:11 03:44 03:11 03:44 03:11 03:44 03:11 03:44
 BCS 03:18 03:18 03:25 03:18 03:25 03:18 03:25 03:18 03:25
 FCS 03:17 03:17 03:25 03:17 03:25 03:17 03:25 03:17 03:25
 HXIS 03:17 03:17 03:25 03:17 03:25 03:17 03:25 03:17 03:25
 Ha...Class=SF
 Importance=C4
 CaPeak.c/s=60
 Peak...c/s=104
 S10E52 AR2456
 Qual=05
 Qual=5
 FePeak=03:18
 Code=00 Exp #=2944
 Mac.=EKI Carr.Lon.=258deg H.Ang=52deg
 FePeak.c/s=13 #Peaks=1 XEN=13702
 Rast=0"x0" Step=0" Cad=.26s 0.256s/pixel

Event # = 20078
 80/05/16,07:01 DOY=137
 Start Peak
 Optical SMM Pointing: Pitch=+219", Yaw=+930", Roll=0deg
 GOES 06:57 07:01 07:30 07:01 07:30 07:01 07:30 07:01 07:30
 BCS 07:00 07:00 07:01 07:00 07:01 07:00 07:01 07:00 07:01
 FCS 07:00 07:00 07:01 07:00 07:01 07:00 07:01 07:00 07:01
 UVSP 06:54 07:00 07:01 06:54 07:00 07:01 06:54 07:00 07:01
 Importance=C2
 CaPeak.c/s=19
 Peak3...c/s=136
 Wavelength=1349A Code=00 Exp #=2944
 Qual=01
 Qual=1
 FePeak=07:00
 Code=00 Exp #=2944
 FePeak.c/s=10 #Peaks=1 XEN=13703
 Rast=240"x240" Step=10" Cad=1180s 2.048s/pixel
 Rast=240"x240" Step=3" Pitch=+174", Yaw=+852"

Event # = 507
 80/05/16,21:03 DOY=137
 Start Peak
 Optical SMM Pointing: Pitch=+224", Yaw=+898", Roll=0deg
 GOES 20:48 21:03 21:08 21:03 21:08 21:03 21:08 21:03 21:08
 HXRBS 21:08:10 21:08:20 21:08:50 21:08:10 21:08:20 21:08:50 21:08:10 21:08:20 21:08:50
 BCS 20:57 21:00 21:03 21:00 21:03 21:00 21:03 21:00 21:03
 FCS 20:58 20:58 21:03 20:58 21:03 20:58 21:03 20:58 21:03
 UVSP 20:58 20:58 21:03 20:58 21:03 20:58 21:03 20:58 21:03
 Radio Frequency(MHz)/Flux(sfu): 4995/14 8800/27
 HXRBS 20:58:20 20:58:30 20:59:40 20:58:20 20:58:30 20:59:40 20:58:20 20:58:30 20:59:40
 BCS 20:53 20:53 20:54 20:53 20:54 20:53 20:54 20:53 20:54
 FCS 20:54 20:54 20:54 20:54 20:54 20:54 20:54 20:54 20:54
 BCS 21:06 21:08 21:09 21:06 21:08 21:09 21:06 21:08 21:09
 FCS 21:08 21:08 21:09 21:08 21:08 21:09 21:08 21:08 21:09
 UVSP 21:05 21:08 21:09 21:05 21:08 21:09 21:05 21:08 21:09
 Ha...Class=SF
 Importance=C3
 Peak...c/s=93
 CaPeak.c/s=21
 Peak3...c/s=13
 Wavelength=1542A Code=00 Exp #=2961
 4995/14 8800/27
 Associated Event # = 506
 Qual=01
 Associated Event # = 20080
 Qual=1
 FePeak=20:53
 Associated Event # = 20082
 Qual=1
 FePeak=21:07
 S14E77 AR2455
 N17E34 AR2455
 Qual=01
 Qual=01
 Qual=1
 FePeak=21:00
 Code=00 Exp #=2961
 Associated Event # = 506
 Qual=01
 Associated Event # = 20080
 Qual=1
 FePeak=20:53
 Associated Event # = 20082
 Qual=1
 FePeak=21:07
 MackeV=124 #Peaks=1
 FePeak.c/s=6 Step=15" Cad= 262s 1.024s/pixel
 Rast=240"x240" Step=0" Pitch=+299", Yaw=+707"
 MaxkeV=54 #Peaks=1
 FePeak.c/s=9 Step=15" Cad= 262s 1.024s/pixel
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 FePeak.c/s=6 #Peaks=1
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 FePeak.c/s=6 #Peaks=1
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 FePeak.c/s=11 #Peaks=1
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 Wavelength=1548A

Event # = 508																	
80/05/16,22:33																	
Start	DOY=137				S14E75		Pitch=+221", Yaw=+891", Roll=0deg	H. Ang=75deg									
Optical	Peak	End times	SMM Pointing:	Ha...Class=IB			Mac.=EKI	Carr. Lon.=257deg	H. Ang=44deg								
GOES	22:33	22:41	Importance=M2	Qual=05	AR2456		MaxkeV=124	#Peaks=3	dt=11.3s	XEN=13709							
HRBS	22:30:20	22:30:43	Peak...c/s=164	Qual=01	Tot Cts=15466		Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel							
BCS	22:33	23:11	CaPeak.c/s=167	Qual= 1	FePeak=22:33		Rast=240"x240"	Step=3"	Pitch=+163", Yaw=+825"								
FCS	22:29		Peak3..c/s=51		Exp #=2964												
UVSP	22:31		WaveLength=1216A	Code=00													
Radio Sweeps			Type/Intensity:	II/3													
Radio	Frequency(MHz)/Flux(sfu):	245/28 2695/43 4995/55 8800/43		15400/27													
Event # = 509																	
80/05/16,22:44					S14E75		Pitch=+221", Yaw=+891", Roll=0deg	H. Ang=75deg									
Start	DOY=137						Mac.=DSI	Carr. Lon.=266deg	H. Ang=39deg								
Optical	Peak	End times	SMM Pointing:	Ha...Class=SN	AR2455		MaxkeV=54	Step=0"	Pitch=+221", Yaw=+707"								
GOES	22:41	22:48	Importance=M1	Qual=01	Tot Cts=1442		Rast=3"x3"										
HRBS	22:43:20	22:44:04	Peak...c/s=123	Qual=01	Exp #=2965												
UVSP	22:40		WaveLength=1235A	Code=00													
Radio Sweeps			Type/Intensity:	II/2 III/I V/1													
Event # = 510																	
80/05/16,22:50					S14E75		Pitch=+221", Yaw=+891", Roll=0deg	H. Ang=75deg									
Start	DOY=137						MaxkeV=124	Step=3"	Pitch=+241", Yaw=+903"								
Optical	Peak	End times	SMM Pointing:	Ha...Class=SN	AR2455												
GOES	22:48	22:50	Importance=M1	Qual=01	Tot Cts=2777		Rast=120"x120"	Step=3"									
HRBS	22:50:00	22:50:42	Peak...c/s=108	Qual=01	Exp #=2967												
HXIS	22:50		Peak...c/s=198														
UVSP	22:49		WaveLength=1237A	Code=00													
Event # = 511																	
80/05/16,23:18					S14E77		Pitch=+220", Yaw=+897", Roll=0deg	H. Ang=76deg									
Start	DOY=137						Mac.=CR0	Carr. Lon.=268deg	H. Ang=36deg								
Optical	Peak	End times	SMM Pointing:	Ha...Class=SN	AR2455		FePeak.c/s=8	#Peaks=1	XEN=13710								
GOES	23:15	23:54	Importance=C4	Qual=01	FePeak=23:19		Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel							
BCS	23:19	23:19	CaPeak.c/s=18	Qual= 1	Exp #=2967		Rast=120"x120"	Step=3"	Pitch=+241", Yaw=+903"								
FCS	23:19		Peak3..c/s=12														
UVSP	22:49		WaveLength=1237A	Code=00													
Event # = 511																	
80/05/17,01:45					S14E76		Pitch=+223", Yaw=+895", Roll=0deg	H. Ang=76deg									
Start	DOY=138						Mac.=FKI	Carr. Lon.=251deg	H. Ang=48deg								
Optical	Peak	End times	SMM Pointing:	Ha...Class=SN	AR2456		MaxkeV=124	#Peaks=1	XEN=13800								
GOES	01:42	01:45	Importance=C3	Qual=01	Tot Cts=2384		FePeak.c/s=12	Step=15"	Cad= 262s	1.024s/pixel							
HRBS	01:44:00	01:44:32	Peak...c/s=250	Qual=01	FePeak=01:45		Rast=240"x240"	Step=3"	Pitch=+163", Yaw=+825"								
BCS	01:45	01:46	CaPeak.c/s=22	Qual= 5	Exp #=2972												
FCS	01:45		Peak3..c/s=11														
UVSP	01:43		WaveLength=1216A	Code=00													
Radio	Frequency(MHz)/Flux(sfu):	4995/8 8800/22															

Event # = 512
 80/05/17,02:14 Start DOY=138 Peak End times H. Ang=76deg
 SMM Pointing: S14E76 Pitch=+223", Yaw=+895", Roll=0deg
 Ha...Class=IN N16E32 Mac.=EHC Carr. Lon.=266deg H. Ang=37deg
 Importance=C6 Qual=01 AR2455
 Peak...c/s=108 Qual=01
 Wavelength=1237A Code=00 Tot Cts=7807 MaxkeV=54
 UVSP 02:01 02:02:25 02:02:45 02:10:25 Exp #=2975 Rast=120"x120" Step=3" Pitch=+218", Yaw=+903"
 HXRBS 02:21:04 02:21:54 02:22:44 Peak...c/s=80 Associated Event # = 513
 UVSP 02:21:04 02:21:54 02:22:44 Peak...c/s=80 Qual=01

Event # = 514
 80/05/17,05:56 Start DOY=138 Peak End times H. Ang=75deg
 SMM Pointing: S14E75 Pitch=+220", Yaw=+892", Roll=0deg
 Ha...Class=2N S15W52 Mac.=DA0 Carr. Lon.=348deg H. Ang=53deg
 Importance=C7 Qual=02 AR2438
 Peak...c/s=87 Qual=01
 Wavelength=1216A Exp #=2984
 UVSP 05:39 05:56 06:07 MaxkeV=54
 HXRBS 05:40:19 05:40:57 05:41:29 Rast=240"x240" Step=3" Pitch=+163", Yaw=+825"
 UVSP 06:34 Type/Intensity: III/1

Event # = 515
 80/05/17,06:41 Start DOY=138 Peak End times H. Ang=77deg
 SMM Pointing: S14E77 Pitch=+224", Yaw=+898", Roll=0deg
 Ha...Class=SN S14E47 Mac.=FKI Carr. Lon.=248deg H. Ang=48deg
 Importance=C5 Qual=05 AR2456
 Peak...c/s=96 Qual=02
 CaPeak.c/s=76 Qual=4 FePeak=06:38
 Peak3...c/s=20
 Peak...c/s=120
 Wavelength=1216A Code=00 Exp #=2984
 UVSP 06:34 06:39 Rast=240"x240" Step=3" Pitch=+163", Yaw=+825"

Event # = 20083
 80/05/17,07:06 Start DOY=138 Peak End times H. Ang=77deg
 SMM Pointing: S14E77 Pitch=+224", Yaw=+898", Roll=0deg
 Importance=C3 Qual=01 FePeak.c/s=7 #Peaks=1 dt=11.3s XEN=13802
 CaPeak.c/s=23 Qual=1 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 Peak3...c/s=14 FePeak=07:10 Step=3" Pitch=+241", Yaw=+903"
 Wavelength=1237A Code=00 Exp #=2987 Rast=120"x120"

Event # = 516
 80/05/17,10:17 Start DOY=138 Peak End times H. Ang=78deg
 SMM Pointing: S14E78 Pitch=+221", Yaw=+903", Roll=0deg
 Ha...Class=SB N17E29 Mac.=EHC Carr. Lon.=264deg H. Ang=35deg
 Importance=M1 Qual=01 AR2455
 Peak...c/s=107 Qual=01
 Wavelength=1237A Code=00 Tot Cts=10607 MaxkeV=124
 UVSP 10:09 10:17 10:28 Exp #=2995 Rast=120"x120" Step=3" Pitch=+206", Yaw=+903"
 HXRBS 10:09:20 10:12:45 10:17:40

Event # = 517
 80/05/17,13:27 Start DOY=138 Peak End times H. Ang=75deg
 SMM Pointing: S14E75 Pitch=+220", Yaw=+892", Roll=0deg
 Ha...Class=SN N16E25 Mac.=EHC Carr. Lon.=266deg H. Ang=31deg
 Importance=C1 Qual=01 AR2455
 Peak...c/s=250 Qual=01
 Wavelength=1349A Code=00 Tot Cts=1507 MaxkeV=124
 HXRBS 13:22 13:27 13:40 Exp #=3003 Rast=240"x240" Step=3" Pitch=+163", Yaw=+825"
 UVSP 13:22:55 13:23:17 13:23:30

80/05/18 DOY=139

Event # = 518
 80/05/18,03:50 DOY=139 S12E34 Pitch=+174",Yaw=+516",Roll=0deg H.Ang=35deg
 Start Peak
 GOES 03:45 03:50 03:59 Qual=01
 HXRBS 03:49:20 03:50:00 03:52:00 Importance=C1
 UVP 03:39 Peak...c/s=87
 Radio Frequency(MHz)/Flux(sfu): 8800/6 Wave length=1548A Code=00 Exp #=3036
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=+127",Yaw=+466"

Event # = 20184
 80/05/18,06:40 DOY=139 S12E31 Pitch=+171",Yaw=+484",Roll=0deg H.Ang=33deg
 Start Peak
 GOES 06:32 06:40 06:53 Qual=06
 BCS 06:34 06:38 06:45 CaPeak.c/s=34
 FCS 06:41 06:41 Peak3...c/s=125
 HXIS 06:31 Peak...c/s=80
 UVP 06:31 Wave length=1349A Code=00 Exp #=3043
 FePeak.c/s=10 #Peaks=1 dt=11.3s XEN=13900
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 Rast=240"x240" Step=3" Pitch=+127",Yaw=+442"

Event # = 4270
 80/05/18,08:33 DOY=139 S12E30 Pitch=+168",Yaw=+462",Roll=0deg H.Ang=31deg
 Start Peak
 Optical
 GOES 08:17 08:33 09:50 Ha...Class=SB
 HXRBS 08:17:50 08:19:40 08:45:00 Importance=C4
 HXIS 08:27 Peak...c/s=122
 UVP 08:24 Peak...c/s=240
 Wave length=1350A Code=00 Exp #=3047
 Carr. Lon.=250deg
 Flags=M,I
 Mac.=EKI
 MaxkeV=124
 Rast=240"x240" Step=3" Pitch=+127",Yaw=+418"

Event # = 519
 80/05/18,12:57 DOY=139 S12E28 Pitch=+168",Yaw=+431",Roll=0deg H.Ang=29deg
 Start Peak
 Optical
 GOES 12:53 12:57 13:00 Ha...Class=SN
 HXRBS 12:54:08 12:54:45 12:55:38 Importance=C3
 UVP 12:52 Peak...c/s=115
 Wave length=1216A Code=00 Exp #=3057
 Carr. Lon.=201deg
 H.Ang=77deg
 Mac.=DSO
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=+127",Yaw=+393"

Event # = 520
 80/05/18,13:54 DOY=139 S12E28 Pitch=+168",Yaw=+431",Roll=0deg H.Ang=29deg
 Start Peak
 Optical
 GOES 13:45 13:54 14:04 Ha...Class=SF
 HXRBS 13:42:20 13:44:48 13:46:30 Importance=C2
 UVP 14:29 Peak...c/s=87
 Wave length=1216A Code=00 Exp #=3061
 Carr. Lon.=200deg
 H.Ang=78deg
 Mac.=DSO
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=+127",Yaw=+393"

80/05/19 DOY=140

Event # = 521
 80/05/19,05:40 DOY=140 S13E20 Pitch=+182",Yaw=+310",Roll=0deg H.Ang=22deg
 Start Peak
 Optical
 GOES 05:30 05:40 05:48 Ha...Class=IN
 HXRBS 05:38:40 05:39:18 05:40:55 Importance=C5
 UVP 05:00 Peak...c/s=420
 Radio Sweeps Wave length=1547A Code=00 Tot Cts=11207
 Radio Frequency(MHz)/Flux(sfu): 245/100 410/900 606/36 1415/25 4995/3 Exp #=3115
 Type/Intensity: III/1
 Carr. Lon.=291deg
 H.Ang=22deg
 Mac.=DKI
 MaxkeV=124
 Rast=8"x8" Step=4" Pitch=+131",Yaw=+323"

Event # = 12652
 80/05/19, 09:24 DOY=140
 Start Peak End times
 HXRBS 09:23:58 09:24:53 09:26:00
 UVSP 09:41

SMM Pointing: S13E18 Pitch=+181", Yaw=+288", Roll=0deg H.Ang=21deg
 Peak...c/s=80 Qual=01 MaxkeV=477 Flags=NS
 Wavelength=1542A Exp #=3130 Rast=3"x3" Step=0" Pitch=+169", Yaw=+274"

Event # = 522
 80/05/19, 14:52 DOY=140
 Start Peak End times
 GOES 14:37 14:52 15:08
 HXRBS 14:52:20 14:52:42 14:53:00
 UVSP 14:49

SMM Pointing: S13E15 Pitch=+181", Yaw=+239", Roll=0deg H.Ang=18deg
 Importance=C2 Qual=01
 Peak...c/s=108 Qual=01 MaxkeV=124
 Wavelength=1548A Code=00 Exp #=3148 Rast=60"x60" Step=3" Pitch=+196", Yaw=+178"

Event # = 523
 80/05/19, 15:22 DOY=140
 Start Peak End times
 Optical 15:18 15:22 15:38
 GOES 15:20:20 15:20:47 15:22:20
 HXRBS 15:14

SMM Pointing: S13E15 Pitch=+181", Yaw=+239", Roll=0deg H.Ang=18deg
 Ha...Class=SF S19E84 Carr. Lon.=180deg H.Ang=84deg
 Importance=C4 Qual=03
 Peak...c/s=98 Qual=01 MaxkeV=124
 Wavelength=1548A Code=00 Exp #=3149 Rast=60"x60" Step=3" Pitch=+196", Yaw=+178"

Event # = 524
 80/05/19, 17:38 DOY=140
 Start Peak End times
 GOES 17:33 17:38 17:42
 HXRBS 17:36:04 17:37:04 17:37:31
 UVSP 17:37

SMM Pointing: S13E11 Pitch=+180", Yaw=+179", Roll=0deg H.Ang=16deg
 Importance=C3 Qual=04
 Peak...c/s=58 Qual=01 MaxkeV=54
 Wavelength=1546A Code=00 Exp #=3154 Rast=3"x3" Step=0" Pitch=+258", Yaw=+25"

80/05/20 DOY=141

Event # = 526
 80/05/20, 02:24 DOY=141
 Start Peak End times
 Optical 02:07 02:24 02:46
 GOES 02:16:00 02:18:20 02:22:20
 HXRBS 01:41
 UVSP 02:10:00 02:11:20 02:11:50

SMM Pointing: S13E06 Pitch=+181", Yaw=+100", Roll=0deg H.Ang=13deg
 Code=BSL S10E90 Carr. Lon.=168deg H.Ang=90deg
 Importance=C4 Qual=03
 Peak...c/s=171 Qual=01 MaxkeV=124
 Wavelength=1545A Code=00 Exp #=3177 Rast=3"x15" Step=3" Pitch=+167", Yaw=+57"
 Associated Event # = 525
 Peak...c/s=85 Qual=01 MaxkeV=54

Event # = 527
 80/05/20, 06:32 DOY=141
 Start Peak End times
 GOES 06:28 06:32 06:43
 HXRBS 06:29:44 06:30:40 06:30:49
 UVSP 06:27

SMM Pointing: S13E04 Pitch=+180", Yaw=+68", Roll=0deg H.Ang=12deg
 Importance=C2 Qual=01
 Peak...c/s=114 Qual=01 MaxkeV=54
 Wavelength=1542A Code=00 Exp #=3193 Rast=3"x3" Step=0" Pitch=+168", Yaw=+66"

Event # = 528
 80/05/20, 09:57 DOY=141
 Start Peak End times
 GOES 09:55 09:57 10:00
 HXRBS 09:56:45 09:57:12 09:57:35
 UVSP 09:55

SMM Pointing: S13E02 Pitch=+182", Yaw=+40", Roll=0deg H.Ang=11deg
 Importance=C1 Qual=01
 Peak...c/s=68 Qual=01 MaxkeV=54
 Wavelength=1542A Code=00 Exp #=3203 Rast=3"x3" Step=0" Pitch=+140", Yaw=+8"

Event # = 529		80/05/20, 11:23		DOY=141					Pitch=+181", Yaw=+14", Roll=0deg		H. Ang=11deg
GOES		Start	11:17	Peak	11:23	SMM Pointing:		S13E01	MaxkeV=54		
HXRBS		11:17:50		11:20:00		Importance=C3		Qual=01	Rast=240"x240"		Pitch=+140", Yaw=-20"
UVSP		11:21				Peak...c/s=76		Qual=01	Step=3"		
						Wavelength=1548A		Code=00	Exp #=3206		
Event # = 530		80/05/20, 12:09		DOY=141					Pitch=+181", Yaw=+14", Roll=0deg		H. Ang=11deg
GOES		Start	12:04	Peak	12:09	SMM Pointing:		S13E01	MaxkeV=54		
HXRBS		12:05:40		12:07:39		Importance=C1		Qual=03	Rast=240"x240"		Pitch=+140", Yaw=-20"
UVSP		11:37				Peak...c/s=71		Qual=01	Step=3"		
						Wavelength=1548A		Code=00	Exp #=3208		
Event # = 531		80/05/20, 14:35		DOY=141					Pitch=+181", Yaw=-31", Roll=0deg		H. Ang=11deg
Optical		Start	13:39	Peak	14:35	SMM Pointing:		S13W02	Mac.=EKO		
GOES		14:23:25		15:23:25		Code=LPS		S16E90	Carr. Lon.=161deg		H. Ang=89deg
HXRBS		14:30				Importance=M1		Qual=04	Flags=SN		
UVSP		14:30				Peak...c/s=65		Qual=02	Step=3"		Pitch=+169", Yaw=-39"
Radio		Frequency (MHz)/Flux(sfu):		410/33 606/13 1415/62		Wavelength=3099A		Code=00	Exp #=3214		
Event # = 532		80/05/20, 19:41		DOY=141					Pitch=+183", Yaw=-66", Roll=0deg		H. Ang=12deg
GOES		Start	19:33	Peak	19:41	SMM Pointing:		S13W04	MaxkeV=124		
HXRBS		19:39:20		19:40:20		Importance=C1		Qual=01	Rast=240"x240"		Pitch=+141", Yaw=-97"
UVSP		19:36				Peak...c/s=198		Qual=01	Step=3"		
						Wavelength=1548A		Code=00	Exp #=3228		
Event # = 533		80/05/20, 23:08		DOY=141					Pitch=+182", Yaw=-91", Roll=0deg		H. Ang=12deg
GOES		Start	23:02	Peak	23:08	SMM Pointing:		S13W06	MaxkeV=54		
HXRBS		23:04:25		23:05:16		Importance=C2		Qual=01	Rast=240"x240"		Pitch=+141", Yaw=-125"
UVSP		22:48				Peak...c/s=91		Qual=01	Step=3"		
						Wavelength=1548A		Code=00	Exp #=3236		
Event # = 534		80/05/21, 03:28		DOY=142					Pitch=+184", Yaw=-147", Roll=0deg		H. Ang=14deg
GOES		Start	03:23	Peak	03:28	SMM Pointing:		S13W09	MaxkeV=54		
HXRBS		03:24:40		03:25:41		Importance=C2		Qual=01	Rast=240"x240"		Pitch=+143", Yaw=-181"
UVSP		03:22				Peak...c/s=82		Qual=01	Step=4"		
						Wavelength=1403A		Code=00	Exp #=3247		
Event # = 535		80/05/21, 05:22		DOY=142					Pitch=+184", Yaw=-153", Roll=0deg		H. Ang=15deg
GOES		Start	05:17	Peak	05:22	SMM Pointing:		S13W10	MaxkeV=54		
HXRBS		05:19:42		05:21:48		Importance=C1		Qual=01	Rast=120"x120"		Pitch=+149", Yaw=-120"
UVSP		05:03				Peak...c/s=70		Qual=01	Step=4"		
						Wavelength=1403A		Code=00	Exp #=3251		

Event # = 540														
80/05/22,21:02 Start	DOY=143	Peak												
Optical			SMM Pointing:	S02W00									Pitch=+0", Yaw=-6", Roll=0deg	H. Ang=0deg
GOES 20:54	21:02	21:40	Ha...Class=1N	N15E02									Mac.=EKI	Carr. Lon.=219deg
HXRBS 20:53:37	21:00:54	21:04:42	Importance=M2	Qual=01									MaxkeV=54	H. Ang=17deg
Radio	Frequency(MHz)/Flux(sfu):	245/120 410/19 606/34 1415/67 2695/41 4995/20	Peak...c/s=154	Qual=01	Tot Cts=51780									
Event # = 541														
80/05/22,23:00 Start	DOY=143	Peak												
Optical			SMM Pointing:	S02W00										
GOES 22:18	23:00	23:50	Ha...Class=1N	N16E04									Mac.=EKI	Carr. Lon.=216deg
HXRBS 22:57:10	22:57:30	22:57:40	Importance=C3	Qual=01									MaxkeV=54	
UVSP			Peak...c/s=84											Pitch=-47", Yaw=-36"
Event # = 6753														
80/05/23,06:24 Start	DOY=144	Peak												
GOES 06:23	06:24	06:25	SMM Pointing:	S02W00										
HXRBS 06:23:36	06:24:10	06:25:58	Importance=C1	Qual=01									Pitch=+0", Yaw=-2", Roll=0deg	H. Ang=0deg
UVSP 06:21			Peak...c/s=69	Qual=01									MaxkeV=54	
Radio Sweeps	Type/Intensity:	I1/1	Wavelength=1398A	Code=00	Exp #=3366								Rast=10"x10"	Step=0" Pitch=+13", Yaw=+25"
Event # = 542														
80/05/23,09:50 Start	DOY=144	Peak												
GOES 09:50:30	09:50:40	09:50:40	SMM Pointing:	S02W00										
HXRBS 09:47			Peak...c/s=95	Qual=01									MaxkeV=54	
UVSP			Wavelength=1403A		Exp #=3375								Rast=46"x46"	Step=4" Pitch=-165", Yaw=-124"
Event # = 543														
80/05/23,09:54 Start	DOY=144	Peak												
GOES 09:53:50	09:54:10	09:54:20	SMM Pointing:	S02W00										
HXRBS 09:47			Peak...c/s=81	Qual=01									MaxkeV=54	
UVSP			Wavelength=1403A		Exp #=3375								Rast=46"x46"	Step=4" Pitch=-165", Yaw=-124"
Event # = 544														
80/05/23,10:24 Start	DOY=144	Peak												
GOES 10:23:50	10:24:00	10:24:00	SMM Pointing:	S02W00										
HXRBS 09:47			Peak...c/s=76	Qual=01									MaxkeV=54	
UVSP			Wavelength=1403A		Exp #=3375								Rast=46"x46"	Step=4" Pitch=-165", Yaw=-124"
Event # = 545														
80/05/23,11:56 Start	DOY=144	Peak												
GOES 11:56:40	11:56:50	11:57:10	SMM Pointing:	S02W00										
HXRBS 11:30			Peak...c/s=114	Qual=00									MaxkeV=54	
UVSP			Wavelength=1249A	Qual=01	Tot Cts=596								Rast=127"x127"	Step=3" Pitch=+13", Yaw=-36"

Event # = 546
 80/05/23,14:46 DOY=144 SMM Pointing: S02W00 Pitch=+2", Yaw=+2", Roll=0deg H. Ang=0deg
 Start Peak Carr. Lon.=174deg H. Ang=41deg
 Optical
 GOES 14:40 14:46 14:51 Ha...Class=SN AR2470
 Importance=C4 Qual=01
 HXRBS 14:40:40 14:41:15 14:42:20 Peak...c/s=345 Tot Cts=8487
 Radio Frequency(MHz)/Flux(sfu): 2695/4 4995/10 8800/72 15400/37
 Associated Event # = 547
 HXRBS 14:44:45 14:44:52 14:45:00 Peak...c/s=75 Qual=01
 Associated Event # = 548
 HXRBS 14:45:40 14:45:50 14:46:20 Peak...c/s=160 Qual=01 Tot Cts=1255
 Associated Event # = 549
 HXRBS 14:50:18 14:50:47 14:52:18 Peak...c/s=61 Qual=01
 Associated Event # = 549

Event # = 551
 80/05/23,23:01 DOY=144 SMM Pointing: S14E28 Pitch=+208", Yaw=+433", Roll=0deg H. Ang=30deg
 Start Peak Carr. Lon.=174deg H. Ang=37deg
 Optical
 GOES 22:59 23:01 23:10 Ha...Class=SF AR2470
 Importance=C2 Qual=01
 HXRBS 23:02:40 23:02:45 23:02:50 Peak...c/s=6380
 Radio Frequency(MHz)/Flux(sfu): 4995/17 8800/39
 Associated Event # = 550
 HXRBS 22:58:47 22:59:10 23:00:17 Peak...c/s=204 Qual=01 Tot Cts=2680

80/05/24 DOY=145

Event # = 552
 80/05/24,00:20 DOY=145 SMM Pointing: S14E28 Pitch=+208", Yaw=+429", Roll=0deg H. Ang=30deg
 Start Peak Carr. Lon.=173deg H. Ang=39deg
 Optical
 GOES 00:16 00:20 00:25 Ha...Class=SN AR2470
 Importance=C2 Qual=01
 HXRBS 00:18:12 00:18:30 00:19:52 Peak...c/s=147 Qual=01 Tot Cts=1401

Event # = 553
 80/05/24,00:51 DOY=145 SMM Pointing: S14E28 Pitch=+208", Yaw=+429", Roll=0deg H. Ang=30deg
 Start Peak Carr. Lon.=214deg H. Ang=20deg
 Optical
 GOES 00:46 00:51 01:10 Ha...Class=1N AR2465
 Importance=C5 Qual=03
 HXRBS 00:47:30 00:50:30 00:51:50 Peak...c/s=185 Qual=03 Tot Cts=9339
 Radio Frequency(MHz)/Flux(sfu): 1415/39 2695/12

Event # = 20192
 80/05/24,01:50 DOY=145 SMM Pointing: S14E28 Pitch=+209", Yaw=+432", Roll=0deg H. Ang=30deg
 Start Peak Carr. Lon.=260deg H. Ang=59deg
 GOES 01:46 01:50 01:54 Ha...Class=1N AR2456
 Importance=C3 Qual=01
 BCS 01:36 01:44 01:54 CaPeak.c/s=8

Event # = 555
 80/05/24,06:58 DOY=145 SMM Pointing: S14E28 Pitch=+210", Yaw=+434", Roll=0deg H. Ang=31deg
 Start Peak Carr. Lon.=260deg H. Ang=59deg
 Optical
 GOES 06:21 06:58 08:25 Ha...Class=1N AR2456
 Importance=C5 Qual=03
 HXRBS 06:52:50 06:53:40 06:55:30 Peak...c/s=149 Qual=01 Tot Cts=3536
 Associated Event # = 554
 HXRBS 06:22:40 06:24:50 06:29:20 Peak...c/s=102 Qual=02 Tot Cts=3877
 Associated Event # = 554

Event # = 557
80/05/24, 08:34 DOY=145
Start Peak
Optical
GOES 08:30 08:34 08:36 08:36
HXRBs 08:32:40 08:33:30 08:33:50
BCS 08:36 08:36 08:36
Radio Frequency(MHz)/Flux(sfu): 245/590 410/103
HXRBs 08:29:50 08:30:20 08:30:40
SMM Pointing: S14E28
Ha...Class=SN
Importance=C5
Peak...c/s=117
CpPeak...c/s=20
245/590 410/103
Associated Event # = 556
Qual=01
Pitch=+210", Yaw=+434", Roll=0deg
Mac.=EKI Carr.Lon.=175deg H.Ang=31deg
MaxkeV=54 H.Ang=28deg
FePeak.c/s=7 #Peaks=1 XEN=14500
MaxkeV=54

Event # = 558
80/05/24, 11:38 DOY=145
Start Peak
Optical
GOES 11:34 11:38 11:44 11:44
HXRBs 11:35:50 11:35:50 11:36:15
SMM Pointing: S14E28
Ha...Class=SN
Importance=C2
Peak...c/s=74
AR2470
Mac.=CKI Carr.Lon.=174deg H.Ang=30deg
MaxkeV=54 H.Ang=32deg
MaxkeV=54

Event # = 559
80/05/24, 13:20 DOY=145
Start Peak
Optical
GOES 13:15 13:20 13:30 13:30
HXRBs 13:16:30 13:16:50 13:17:10
HXRBs 13:19:10 13:19:25 13:19:40
SMM Pointing: S14E28
Ha...Class=SF
Importance=C2
Peak...c/s=75
Associated Event # = 560
Qual=01
Pitch=+209", Yaw=+432", Roll=0deg H.Ang=30deg
Mac.=CSI Carr.Lon.=246deg H.Ang=49deg
MaxkeV=54
MaxkeV=54

Event # = 561
80/05/24, 15:10 DOY=145
Start Peak
GOES 15:09 15:10 15:12 15:12
HXRBs 15:05:00 15:10:10 15:11:00
SMM Pointing: S12W50
Importance=C1
Peak...c/s=83
Pitch=+182", Yaw=-708", Roll=0deg H.Ang=50deg
MaxkeV=124
Flags=AX

Event # = 12673
80/05/24, 15:53 DOY=145
Start Peak
HXRBs 15:53:53 15:53:59 15:54:05
SMM Pointing: S12W51
Peak...c/s=70
Tot Cts=170
Flags=NS
80/05/25 DOY=146
Pitch=+182", Yaw=-719", Roll=0deg H.Ang=51deg
MaxkeV=124
Flags=NS

Event # = 562
80/05/25, 00:50 DOY=146
Start Peak
GOES 00:24 00:50 00:59 00:59
HXRBs 00:32:50 00:38:20 00:45:50
SMM Pointing: S14E19
Importance=C6
Peak...c/s=70
Tot Cts=2780
MaxkeV=54
Pitch=+207", Yaw=+294", Roll=0deg H.Ang=22deg
MaxkeV=54

Event # = 563
80/05/25, 01:34 DOY=146
Start Peak
Optical
GOES 01:27 01:34 01:56 01:56
HXRBs 01:27:30 01:30:21 01:42:10
Radio Frequency(MHz)/Flux(sfu): 245/140 410/57
SMM Pointing: S14E17
Ha...Class=IN
Importance=M1
Peak...c/s=198
245/140 410/57
Associated Event # = 563
Qual=01
606/29 1415/31 2695/21 4995/19 8800/28 15400/35
Pitch=+207", Yaw=+272", Roll=0deg H.Ang=21deg
Mac.=DS0 Carr.Lon.=253deg H.Ang=62deg
MaxkeV=124
Flags=SN, ES

Event # = 20201
 80/05/25,03:06 DOY=146 S14E16 Pitch=+208", Yaw=+261", Roll=0deg H. Ang=21deg
 Start Peak
 GOES 03:01 03:06 Importance=C3 Qual=04 FePeak=03:05
 BCS 03:03 03:05 CaPeak.c/s=38 Qual=1 FePeak=03:05
 FCS 03:07 03:07 Peak3..c/s=167

Event # = 564
 80/05/25,03:31 DOY=146 S14E16 Pitch=+208", Yaw=+261", Roll=0deg H. Ang=21deg
 Start Peak
 GOES 03:25 03:31 SMM Pointing: Qual=01
 HXRBS 03:27:10 03:27:50 Importance=C2 Qual=01 Tot Cts=5135
 BCS 03:28 03:29 CaPeak.c/s=31 FePeak=03:29
 FCS 03:28 03:28 Peak3..c/s=54
 Radio Sweeps Type/Intensity: V/2
 Radio Frequency (MHz)/Flux(sfu): 245/460 4995/11 8800/56

Event # = 20202
 80/05/25,05:58 DOY=146 S14E15 Pitch=+208", Yaw=+238", Roll=0deg H. Ang=19deg
 Start Peak Carr. Lon.=196deg H. Ang=10deg
 Optical
 GOES 05:42 05:58 Ha...Class=SB Qual=05
 BCS 06:15 06:15 Importance=C4 FePeak=06:15
 FCS 06:15 06:20 CaPeak.c/s=34
 Peak3..c/s=22

Event # = 565
 80/05/25,12:42 DOY=146 S14E12 Pitch=+209", Yaw=+188", Roll=0deg H. Ang=17deg
 Start Peak
 GOES 12:37 12:42 SMM Pointing: Qual=01
 HXRBS 12:38:50 12:39:20 Importance=C3 Qual=01
 Peak...c/s=70

Event # = 566
 80/05/25,15:51 DOY=146 S16E11 Pitch=+238", Yaw=+180", Roll=0deg H. Ang=18deg
 Start Peak
 Optical
 Optical Ha...Class=SN S23E12 AR2470
 GOES 15:50 15:51 Ha...Class=SN N16W30 AR2465
 HXRBS 15:50:20 15:50:40 Importance=C2 Qual=02
 Peak...c/s=90

Event # = 568
 80/05/25,17:30 DOY=146 S16E09 Pitch=+240", Yaw=+144", Roll=0deg H. Ang=17deg
 Start Peak
 Optical
 Optical Ha...Class=SN S10E71
 GOES 17:25 17:30 Ha...Class=SN Qual=01
 HXRBS 17:29:30 17:29:35 Importance=C4 Qual=01
 HXRBS 17:27:30 17:27:50 Peak...c/s=66 Associated Event # = 567
 HXRBS 17:27:30 17:28:35 Peak...c/s=61

Event # = 569
 80/05/25,20:44 DOY=146 S16E07 Pitch=+240", Yaw=+116", Roll=0deg H. Ang=16deg
 Start Peak
 GOES 20:38 20:44 SMM Pointing: Qual=01
 HXRBS 20:52:40 20:52:50 Importance=C2 Qual=01
 Peak...c/s=77

80/05/26 DOY=147

Event # = 570
 80/05/26, 00:05 Start DOY=147 Peak
 Optical S16E06 SMM Pointing: Pitch=+240", Yaw=+88", Roll=0deg H. Ang=16deg
 Optical S14E01 Ha...Class=SF AR2469 Mac.=EKI Carr. Lon.=179deg H. Ang=13deg
 Optical S18E07 Ha...Class=SF AR2470 Carr. Lon.=173deg H. Ang=18deg
 Optical N15W39 Ha...Class=SF AR2465 Carr. Lon.=219deg H. Ang=42deg
 GOES 23:55 00:05 00:52 Importance=C3 Qual=01 Tot Cts=8537
 HXRBS 23:54:20 23:56:00 00:05:30 Peak...c/s=146
 BCS 23:59 00:05 00:29 CaPeak.c/s=47
 FCS 00:03 00:03 Peak3...c/s=46
 UVSP
 Radio Frequency(MHz)/Flux(sfu): 410/38 606/14 1415/140 2695/46 4995/35 8800/33

Event # = 20084
 80/05/26, 11:54 Start DOY=147 Peak
 GOES S16W01 SMM Pointing: Pitch=+241", Yaw=-10", Roll=0deg H. Ang=15deg
 BCS 11:50 11:54 12:07 Importance=C3 Qual=03
 UVSP 11:52 11:53 11:56 CaPeak.c/s=21 Qual=01 FePeak=11:53
 Wavelength=1555A Code=00 Exp #=3420

Event # = 571
 80/05/26, 13:08 Start DOY=147 Peak
 Optical S16W01 SMM Pointing: Pitch=+239", Yaw=-14", Roll=0deg H. Ang=15deg
 GOES 13:06 13:08 13:30 Ha...Class=SB S16E58
 HXRBS 13:04:06 13:05:38 13:06:56 Importance=C5 Qual=01 AR2478
 UVSP 12:57 12:57 13:06:56 Peak...c/s=80 Qual=01 MaxkeV=54
 Wavelength=1555A Code=00 Exp #=3424 Rast=247"x247" Pitch=+200", Yaw=-62"

Event # = 572
 80/05/26, 14:30 Start DOY=147 Peak
 GOES S16W03 SMM Pointing: Pitch=+241", Yaw=-50", Roll=0deg H. Ang=15deg
 HXRBS 14:24:13 14:25:39 14:28:53 Importance=C6 Qual=01
 Peak...c/s=118 Tot Cts=1280 MaxkeV=54

Event # = 573
 80/05/26, 16:15 Start DOY=147 Peak
 GOES S16W03 SMM Pointing: Pitch=+241", Yaw=-50", Roll=0deg H. Ang=15deg
 HXRBS 16:13:44 16:14:58 16:15:59 Importance=C1 Qual=01
 Peak...c/s=77 MaxkeV=54

Event # = 574
 80/05/26, 17:34 Start DOY=147 Peak
 Optical S16W04 SMM Pointing: Pitch=+240", Yaw=-68", Roll=0deg H. Ang=15deg
 Optical S21W04 Ha...Class=SB AR2470 Mac.=DKI Carr. Lon.=174deg H. Ang=20deg
 Optical S12E60 Ha...Class=SN AR2478 Carr. Lon.=110deg H. Ang=60deg
 Optical N09E19 Ha...Class=SF AR2476 Carr. Lon.=151deg H. Ang=22deg
 Optical S10W09 Ha...Class=SF AR2469 Carr. Lon.=179deg H. Ang=13deg
 GOES 17:26 17:34 17:48 Importance=C3 Qual=01 Tot Cts=5502
 HXRBS 17:27:47 17:28:08 17:30:07 Peak...c/s=260
 BCS 17:28 17:30 17:38 CaPeak.c/s=65
 FCS 17:33 17:33 Peak3...c/s=31
 HXIS 17:22 17:22 Peak...c/s=109
 UVSP Wavelength=1555A Code=00 Exp #=3427
 Rast=247"x247" Pitch=+200", Yaw=-128"

80/05/27 DOY=148

Event # = 575
 80/05/27, 05:15 DOY=148
 Start Peak
 S16W11 SMM Pointing: Pitch=+243", Yaw=-179", Roll=0deg H. Ang=19deg
 GOES 05:01 05:15 05:24 End times
 HXRBS 05:01:00 05:02:32 05:03:48 Importance=C3
 BCS 05:04 05:04 05:04 CaPeak...c/s=18 Peak...c/s=92
 BCS 05:06 05:06 05:08 CaPeak...c/s=20 FePeak=05:04 #Peaks=1 XEN=14800
 Associated Event # = 20085
 Qual=1 FePeak...c/s=5 #Peaks=1
 Qual=1 FePeak...c/s=5 #Peaks=1 XEN=14801

Event # = 20086
 80/05/27, 07:09 DOY=148
 Start Peak
 S16W12 SMM Pointing: Pitch=+241", Yaw=-186", Roll=0deg H. Ang=19deg
 GOES 07:02 07:09 07:25 End times
 BCS 07:04 07:08 07:10 Importance=C4
 FCS FePeak...c/s=44 CaPeak...c/s=44
 FePeak=07:08
 Rast=180"x180" Step=20" Cad=41.5s XEN=14803
 0.512s/pixel

Event # = 576
 80/05/27, 08:24 DOY=148
 Start Peak
 S16W13 SMM Pointing: Pitch=+241", Yaw=-198", Roll=0deg H. Ang=19deg
 Optical Ha...Class=SB Mac.=EKI Carr. Lon.=174deg H. Ang=21deg
 GOES 08:21 08:24 08:32 Importance=C6
 HXRBS 08:21:00 08:21:45 08:24:35 Peak...c/s=258
 BCS 08:20 08:24 08:31 CaPeak...c/s=137
 FCS 08:25 08:25 08:31 Peak3...c/s=539
 HXIS 08:24 08:24 Peak...c/s=299
 Radio Frequency(MHz)/Flux(sfu): 1415/18 2695/28 8800/38

Event # = 577
 80/05/27, 16:03 DOY=148
 Start Peak
 S15W15 SMM Pointing: Pitch=+227", Yaw=-242", Roll=0deg H. Ang=20deg
 Optical Ha...Class=SB Mac.=CAO Carr. Lon.=155deg H. Ang=13deg
 GOES 15:58 16:03 16:11 Importance=C6
 HXRBS 16:00:01 16:00:40 16:02:28 Peak...c/s=590
 BCS 16:00 16:02 16:08 CaPeak...c/s=129
 FCS 16:07 16:07 16:08 Peak3...c/s=31
 Radio Sweeps Type/Intensity: II/3

Event # = 578
 80/05/27, 21:06 DOY=148
 Start Peak
 S15W18 SMM Pointing: Pitch=+227", Yaw=-282", Roll=0deg H. Ang=22deg
 Optical Ha...Class=SB Mac.=EKI Carr. Lon.=110deg H. Ang=46deg
 GOES 21:02 21:06 21:12 Importance=C5
 HXRBS 21:03:41 21:04:38 21:06:01 Peak...c/s=990
 Tot Cts=16109 FePeak=16:02
 FePeak...c/s=37 #Peaks=1 dt= 3.0s XEN=14806
 Step=10" Cad=36.9s 1.024s/pixel

80/05/28 DOY=149

Event # = 579
 80/05/28, 02:09 DOY=149
 Start Peak
 S15W21 SMM Pointing: Pitch=+227", Yaw=-322", Roll=0deg H. Ang=25deg
 GOES 02:09:08 02:09:48 02:10:43 Peak...c/s=375
 HXRBS 01:30 01:30 WaveLength=1546A
 Tot Cts=12128
 Exp #=3452
 MaxkeV=124
 Rast=10"x10" Step=0" Pitch=+188", Yaw=-414"

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Event # = 580
80/05/28,02:17   DOY=149   SMM Pointing:   S15W21   Pitch=+227" ,Yaw=-322" ,Roll=0deg   H.Ang=25deg
Start Peak                                         Ha...Class=IN   S22W19   Mac.=DK1   Carr.Lon.=171deg   H.Ang=28deg
Optical                                          Importance=M1   Qual=03                                       #Peaks=1   dt= 3.0s   XEN=14902
GOES 02:11 02:17 02:43                          Peak...c/s=2334  Qual=01   Tot Cts=1.18E+5                                Step=10"   Cad= 147s   1.024s/pixel
HXRBs 02:13:20 02:15:16 02:18:00                  CaPeak.c/s=318  Qual=1   FePeak=02:16                                     Rast=120"x120"                                Step=10"   Cad= 147s   1.024s/pixel
BCS 02:13 02:17 02:21                          Peak3...c/s=45                                       Exp #=3453                                     Rast=3"x3"   Pitch=+188" ,Yaw=-414"
FCS 02:13 02:15 02:15                          Peak...c/s=506                                       Wavelength=1544A
HXIS 02:59 02:59                               Type/Intensity:  III/3   IV/2   V/3
UVSP Radio Sweeps                               Frequency(MHz)/Flux(sfu): 245/5000 606/21 1415/16 2695/40 4995/86 8800/59
Radio Frequency(MHz)/Flux(sfu): 245/5000 606/21 1415/16 2695/40 4995/86 8800/59

Event # = 581
80/05/28,09:42   DOY=149   SMM Pointing:   S12W87   Pitch=+194" ,Yaw=-927" ,Roll=0deg   H.Ang=87deg
Start Peak                                         Ha...Class=C2   S12W87   Importance=C2   Qual=01
GOES 09:35 09:42 09:53                          Peak...c/s=78   Qual=01
HXRBs 09:38:21 09:38:39 09:39:16                  Wavelength=1552A Code=00   Exp #=3470
UVSP 09:37                                       Exp #=3470

Event # = 582
80/05/28,10:05   DOY=149   SMM Pointing:   S12W87   Pitch=+194" ,Yaw=-927" ,Roll=0deg   H.Ang=87deg
Start Peak                                         Ha...Class=C2   S12W87   Importance=C2   Qual=01
GOES 09:59 10:05 10:22                          Peak...c/s=98   Qual=01
HXRBs 10:05:17 10:05:23 10:05:37                  Wavelength=1552A Code=00   Exp #=3471
UVSP 09:44                                       Exp #=3471
HXRBs 10:07:44 10:08:29 10:08:54                  Peak...c/s=73   Associated Event # = 583
Qual=01

Event # = 20210
80/05/28,13:33   DOY=149   SMM Pointing:   S01W00   Pitch=+2" ,Yaw=-7" ,Roll=0deg   H.Ang=0deg
Start Peak                                         Ha...Class=SB   N08W07   Mac.=EAI   Carr.Lon.=153deg   H.Ang=11deg
Optical                                          Importance=SF   S09W41   Carr.Lon.=187deg   H.Ang=42deg
Optical                                          Ha...Class=SF   S14W32   Carr.Lon.=178deg   H.Ang=34deg
Optical                                          Ha...Class=SF   S10E33   Carr.Lon.=113deg   H.Ang=34deg
GOES 13:28 13:33 13:39                          CaPeak.c/s=62   Qual=03   FePeak=13:30   #Peaks=1   XEN=14900
BCS 13:30 13:30 13:32                          Peak3...c/s=20                                       Rast=240"x240"   Cad= 262s   1.024s/pixel
FCS 13:31                                       Wavelength=1552A Code=01   Exp #=3479   Rast=127"x127"   Pitch=+211" ,Yaw=-927"
UVSP 12:55

Event # = 584
80/05/28,14:19   DOY=149   SMM Pointing:   S01W00   Pitch=-1" ,Yaw=-3" ,Roll=0deg   H.Ang=0deg
Start Peak                                         Ha...Class=SN   S10E33   Mac.=EAI   Carr.Lon.=112deg   H.Ang=34deg
Optical                                          Importance=SB   S09W41   Carr.Lon.=186deg   H.Ang=42deg
GOES 14:01 14:19 14:37                          Peak...c/s=595   Qual=01
HXRBs 14:18:50 14:19:25 14:20:20                  Tot Cts=16384   MaxkeV=124   Flags=FS

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Event # = 585
80/05/28,16:01 Start DOY=149 Peak
Optical SMM Pointing: S01W00 Pitch=-1", Yaw=-5", Roll=0deg H. Ang=0deg
GOES 16:01 16:16 Ha...Class=SN AR2470 Mac.=DKI Carr. Lon.=172deg H. Ang=36deg
HXRB 15:50:00 15:52:20 16:08:10 Importance=C9 Qual=01 MaxkeV=257
Radio Sweeps Type/Intensity: V/3 Tot Cts=35701
Radio Frequency (MHz)/Flux(sfu): 606/93 1415/15 2695/14 4995/8 8800/29 15400/36

Event # = 586
80/05/28,17:21 Start DOY=149 Peak
Optical SMM Pointing: S01W00 Pitch=-1", Yaw=-4", Roll=0deg H. Ang=0deg
GOES 17:05 17:21 17:53 Ha...Class=1B S18W35 AR2470 Mac.=DKI Carr. Lon.=179deg H. Ang=38deg
HXRB 17:19:58 17:20:20 17:31:38 Importance=M3 Qual=04
Radio Frequency (MHz)/Flux(sfu): 245/290 410/150 2695/81 4995/85 8800/130 15400/43

Event # = 20211
80/05/28,19:09 Start DOY=149 Peak
Optical SMM Pointing: S01W00 Pitch=-1", Yaw=-4", Roll=0deg H. Ang=0deg
GOES 18:47 19:09 19:40 Ha...Class=1N N08W08 AR2476 Carr. Lon.=151deg H. Ang=12deg
BCS 18:56 19:06 19:33 Ha...Class=SN N20W30 AR2470 Carr. Lon.=173deg H. Ang=36deg
FCS 19:29 19:12 CaPeak.c/s=97 Qual=04 FePeak.c/s=11 dt=11.3s XEN=14901
HXIS 19:12 Peak3...c/s=9748 Peak...c/s=152 Rast=0"x0" Cad=.26s

Event # = 587
80/05/28,22:07 Start DOY=149 Peak
Optical SMM Pointing: S01W00 Pitch=+0", Yaw=+0", Roll=0deg H. Ang=0deg
GOES 21:56 22:07 22:22 Ha...Class=1B S18W35 AR2470 Mac.=DKI Carr. Lon.=176deg H. Ang=38deg
HXRB 22:07:30 22:07:45 22:14:13 Importance=M2 Qual=01 Tot Cts=18661 MaxkeV=54
UVSP 22:08 Wavelength=1223A Code=02 Exp #=3481 Rast=10"x10" Step=0" Pitch=+11", Yaw=+25"
Radio Sweeps Type/Intensity: V/2 Associated Event # = 588
HXRB 22:19:25 22:19:55 22:20:57 Peak...c/s=107 Qual=01 Tot Cts=573
UVSP 22:11 Wavelength=1223A Exp #=3482 MaxkeV=54 Rast=127"x127" Step=3" Pitch=+11", Yaw=+25"

Event # = 589
80/05/28,23:44 Start DOY=149 Peak
Optical SMM Pointing: S01W00 Pitch=+0", Yaw=+2", Roll=0deg H. Ang=0deg
GOES 23:35 23:44 00:10 Ha...Class=2B S17W39 AR2470 Mac.=DKI Carr. Lon.=179deg H. Ang=42deg
HXRB 23:43:30 23:43:30 00:01:20 Importance=M6 Qual=04 Tot Cts=1.26E+5 MaxkeV=480 Flags=SN, ND
HXIS 23:51 23:51 Wavelength=3085A Code=02 Exp #=3491 Rast=15"x15" Step=3" Pitch=+11", Yaw=+25"
UVSP 23:44 Type/Intensity: V/2
Radio Sweeps Frequency (MHz)/Flux(sfu): 245/1100 410/720 606/54 1415/82 2695/62 4995/180 8800/390 15400/270

80/05/29 DOY=150

Event # = 590
80/05/29,03:35 DOY=150
SMM Pointing: S14W35
Pitch=+217",Yaw=-529",Roll=0deg H.Ang=37deg
GOES 03:34 03:35 Peak End times
HXRBs 03:32:52 03:34:41 03:36:52
UVSP 03:18
Radio Frequency(MHz)/Flux(sfu):
Importance=C2 Qual=01
Peak...c/s=93 Qual=01 Tot Cts=1125
Wavelength=1552A Code=00 Exp #=3502
245/210 410/50 606/12 1415/7 2695/15 4995/13
MaxkeV=54
Rast=127"x127" Step=3" Pitch=+234",Yaw=-572"

Event # = 591
80/05/29,03:45 DOY=150
SMM Pointing: S14W35
Pitch=+217",Yaw=-529",Roll=0deg H.Ang=37deg
GOES 03:39 03:45 Peak End times
HXRBs 03:39:55 03:40:20 03:49:55
BCS 03:39 03:43 Peak...c/s=89 Qual=01
FCS 03:47 CaPeak.c/s=59 Qual=1 FePeak=03:43
HXIS 03:47 Peak3...c/s=435
UVSP 03:18 Peak...c/s=96
Wavelength=1552A Code=00 Exp #=3502
Rast=127"x127" Step=3" Pitch=+234",Yaw=-572"

Event # = 592
80/05/29,05:18 DOY=150
SMM Pointing: S14W36
Pitch=+216",Yaw=-546",Roll=0deg H.Ang=38deg
Optical
Optical Ha...Class=SN S20W36 AR2470 H.Ang=40deg
GOES 05:06 05:18 Ha...Class=SF S12W41 AR2469 H.Ang=42deg
HXRBs 05:09:20 05:10:50 05:29:40 Importance=M1 Qual=03
BCS 04:58 05:20 Peak...c/s=755 Qual=01 Tot Cts=64502
FCS 05:23 CaPeak.c/s=437 Qual=1 FePeak=05:20
HXIS 05:18 Peak3...c/s=1107
UVSP 04:56 Peak...c/s=624
Radio Sweeps Wavelength=1558A Code=00 Exp #=3507
Radio Frequency(MHz)/Flux(sfu):
245/320 410/120 606/28 1415/37 2695/110 4995/240 8800/240
Rast=127"x127" Step=3" Pitch=+234",Yaw=-594"

Event # = 593
80/05/29,06:44 DOY=150
SMM Pointing: S14W37
Pitch=+217",Yaw=-552",Roll=0deg H.Ang=39deg
GOES 06:43:50 06:44:10 06:44:30
HXRBs 06:43:50 06:44:10 06:44:30 Peak...c/s=88 Qual=00
UVSP 06:31 Wavelength=1553A Code=01 Exp #=3511
MaxkeV=54
Rast=127"x127" Step=3" Pitch=+154",Yaw=-599"

Event # = 594
80/05/29,08:01 DOY=150
SMM Pointing: S14W39
Pitch=+216",Yaw=-576",Roll=0deg H.Ang=40deg
Optical
GOES 07:55 08:01 Ha...Class=SB N12W18 AR2476 H.Ang=22deg
HXRBs 07:55:35 07:57:20 07:59:45 Importance=C3 Qual=01
UVSP 08:01 Peak...c/s=84 Qual=01
Wavelength=1552A Code=02 Exp #=3514
Mac.=EAO Carr.Lon.=154deg
MaxkeV=54
Rast=10"x10" Step=0" Pitch=+169",Yaw=-611"

Event # = 20087
80/05/29,09:18 DOY=150
SMM Pointing: S14W39
Pitch=+216",Yaw=-576",Roll=0deg H.Ang=40deg
GOES 09:10 09:18 Peak End times
BCS 09:19 09:19 Importance=C2 Qual=05
UVSP 09:20 CaPeak.c/s=19 Qual=5 FePeak=09:19
Wavelength=1552A Code=02 Exp #=3516
Rast=10"x10" Step=0" Pitch=+169",Yaw=-611"

Event # = 20088																							
80/05/29, 09:24	DOY=150	Start	End times	SMM Pointing:	S14W39				Pitch=+217", Yaw=-574", Roll=0deg	H. Ang=40deg													
G0ES 09:21	Peak 09:24		09:33	Importance=C2	Qual=01																		
B0S 09:22	09:22		09:22	CaPeak.c/s=18	Qual=1																		
UVSP 09:20	09:22		09:22	WaveLength=1552A	Code=00																		
Event # = 595																							
80/05/29, 09:56	DOY=150	Start	End times	SMM Pointing:	S14W39				Pitch=+217", Yaw=-574", Roll=0deg	H. Ang=40deg													
G0ES 09:45	Peak 09:56		10:00	Importance=C2	Qual=01																		
HXRBS 09:47:50	09:54		09:55	CaPeak.c/s=21	Qual=1																		
B0S 09:54	09:54		09:55	Peak3...c/s=32	Code=00																		
F0S 09:42	09:55		09:55	WaveLength=1553A	Code=00																		
B0S 09:49	09:51		09:52	Associated Event # = 20748																			
F0S 09:50	09:50		09:50	CaPeak.c/s=21	Qual=1																		
Event # = 596																							
80/05/29, 10:10	DOY=150	Start	End times	SMM Pointing:	S14W39				Pitch=+217", Yaw=-574", Roll=0deg	H. Ang=40deg													
G0ES 10:00	Peak 10:10		10:24	Importance=C3	Qual=01																		
HXRBS 10:05:50	10:06:20		10:06:40	Peak...c/s=79	Qual=01																		
B0S 10:03	10:08		10:16	CaPeak.c/s=38	Qual=1																		
F0S 09:42	10:10		10:10	Peak3...c/s=416	Code=00																		
UVSP 09:42	10:10		10:10	WaveLength=1553A	Code=00																		
Event # = 597																							
80/05/29, 11:13	DOY=150	Start	End times	SMM Pointing:	S14W40				Pitch=+216", Yaw=-590", Roll=0deg	H. Ang=41deg													
G0ES 11:10	Peak 11:13		11:28	Importance=C2	Qual=01																		
HXRBS 11:11:50	11:12:30		11:13:10	Peak...c/s=76	Qual=01																		
UVSP 11:12	11:12		11:12	WaveLength=1552A	Code=00																		
Event # = 598																							
80/05/29, 11:42	DOY=150	Start	End times	SMM Pointing:	S14W40				Pitch=+216", Yaw=-590", Roll=0deg	H. Ang=41deg													
G0ES 11:33	Peak 11:42		11:48	Importance=C1	Qual=01																		
HXRBS 11:46:40	11:47:10		11:47:30	Peak...c/s=80	Qual=01																		
UVSP 11:17	11:17		11:17	WaveLength=1558A	Code=00																		
Event # = 20213																							
80/05/29, 17:50	DOY=150	Start	End times	SMM Pointing:	S19W44				Pitch=+297", Yaw=-628", Roll=0deg	H. Ang=47deg													
G0ES 17:43	Peak 17:50		17:59	Importance=C2	Qual=03																		
B0S 17:51	17:51		17:51	CaPeak.c/s=22	Qual=2																		
F0S 17:51	17:51		17:51	Peak3...c/s=25	Code=00																		
Event # = 599																							
80/05/29, 23:56	DOY=150	Start	End times	SMM Pointing:	S19W48				Pitch=+299", Yaw=-668", Roll=0deg	H. Ang=51deg													
G0ES 23:49	Peak 23:56		00:06	Importance=C3	Qual=01																		
HXRBS 23:51:40	23:52:05		23:52:50	Peak...c/s=99	Qual=01																		
UVSP 23:47	23:47		23:47	WaveLength=1547A	Code=00																		

80/05/30 D0Y=151

Event # = 20214
 80/05/30,00:31 Start D0Y=151 Peak S19W48 SMM Pointing: S19W48 Pitch=+299",Yaw=-668",Roll=0deg H.Ang=51deg
 Optical
 GOES 00:21 00:31 00:35 Ha...Class=SN S14E15 Mac.=EAI Carr.Lon.=111deg H.Ang=20deg
 BCS 00:29 00:32 00:33 Importance=C3 Qual=03 FePeak.c/s=7 #Peaks=1 dt= 3.0s XEN=15100
 UVSP 00:05 00:32 00:33 WaveLength=1547A Code=00 FePeak=00:31 Rast=120"x120" Step=3" Pitch=+313",Yaw=-655" Exp #=3540

Event # = 600
 80/05/30,02:01 Start D0Y=151 Peak S19W50 SMM Pointing: S19W50 Pitch=+298",Yaw=-684",Roll=0deg H.Ang=52deg
 GOES
 HXRBS 02:01:12 02:01:25 02:01:42 Peak...c/s=120 Qual=00 MaxkeV=125 H.Ang=52deg
 UVSP 01:40 01:40 01:42 WaveLength=1547A Code=00 Exp #=3544 Rast=120"x120" Step=3" Pitch=+226",Yaw=-732"

Event # = 20215
 80/05/30,10:06 Start D0Y=151 Peak S19W53 SMM Pointing: S19W53 Pitch=+298",Yaw=-721",Roll=0deg H.Ang=55deg
 GOES 09:54 10:06 10:10 Importance=C1 Qual=01
 BCS 10:06 10:06 10:06 CaPeak.c/s=19 Qual=1 FePeak=10:06 XEN=15102
 UVSP 09:39 09:39 09:39 WaveLength=1547A Code=00 Exp #=3564 Rast=120"x120" Step=3" Pitch=+180",Yaw=-821"

Event # = 601
 80/05/30,10:58 Start D0Y=151 Peak S19W55 SMM Pointing: S19W55 Pitch=+298",Yaw=-736",Roll=0deg H.Ang=57deg
 Optical
 GOES 10:43 10:58 11:18 Ha...Class=SN S19W54 Mac.=DK0 Carr.Lon.=175deg H.Ang=56deg
 HXRBS 10:55:50 10:56:45 10:57:00 Importance=C4 Qual=04 MaxkeV=54
 BCS 10:52 10:58 11:20 CaPeak.c/s=102 Qual=4 FePeak=10:58 FePeak.c/s=23 dt= 3.0s XEN=15103
 FCS 11:09 11:09 11:20 Peak3...c/s=171 Qual=1 Rast=180"x180" Cad= 147s 1.024s/pixel
 HXIS 10:53 10:56 10:56 Peak...c/s=157
 UVSP Type/Intensity: V/3
 Radio Sweeps WaveLength=1542A Code=00 Exp #=3565 Rast=3"x3" Step=0" Pitch=+180",Yaw=-821"
 Radio Frequency(MHz)/Flux(sfu): 245/650

Event # = 602
 80/05/30,20:52 Start D0Y=151 Peak S12E03 SMM Pointing: S12E03 Pitch=+184",Yaw=+49",Roll=0deg H.Ang=12deg
 Optical
 GOES 20:49 20:52 20:56 Ha...Class=S8 N06W30 Mac.=EAO Carr.Lon.=145deg H.Ang=31deg
 HXRBS 20:51:22 20:52:24 20:53:16 Importance=C1 Qual=01 MaxkeV=125 H.Ang=31deg
 UVSP 20:33 20:52 20:53 WaveLength=3085A Code=00 Tot Cts=1789 Rast=240"x240" Step=3" Pitch=+141",Yaw=+14" Exp #=3583
 Radio Frequency(MHz)/Flux(sfu): 1415/13 2695/34 8800/17

80/05/31 D0Y=152

Event # = 603
 80/05/31,06:14 Start D0Y=152 Peak S19W64 SMM Pointing: S19W64 Pitch=+303",Yaw=-807",Roll=0deg H.Ang=65deg
 GOES 06:10 06:14 06:17 Importance=C2 Qual=01
 HXRBS 06:12:20 06:12:39 06:14:45 Peak...c/s=83 Qual=01 MaxkeV=54 H.Ang=65deg
 UVSP 06:13 06:13 06:17 WaveLength=1402A Code=00 Exp #=3607 Rast=240"x240" Step=4" Pitch=+244",Yaw=-857"

Event # = 604
 80/05/31,07:46 DOY=152 Peak
 Optical Start End times
 GOES 07:41 07:46 07:50
 HXRBS 07:43:48 07:44:18 07:45:38
 UVSP 07:40
 Radio Frequency(MHz)/Flux(sfu): 4995/35 8800/46

SMM Pointing: S19W66
 Ha...Class=SB
 Importance=C2
 Peak...c/s=253
 Wavelength=1397A
 Code=00
 Exp #=3609

AR2478
 Tot Cts=5652
 Exp #=3609

Pitch=+303", Yaw=-818", Roll=0deg H. Ang=67deg
 Mac.=EHI Carr. Lon.=112deg H. Ang=13deg
 MaxkeV=125
 Rast=4"x4" Step=0" Pitch=+126", Yaw=-751"

Event # = 605
 80/05/31,20:48 DOY=152 Peak
 Optical Start End times
 GOES 20:46 20:48 20:55
 HXRBS 20:47:40 20:48:20 20:48:50
 UVSP 20:41

SMM Pointing: S19W70
 Importance=C1
 Peak...c/s=83
 Wavelength=1401A
 Code=00
 Exp #=3635

Pitch=+305", Yaw=-842", Roll=0deg H. Ang=71deg
 MaxkeV=54
 Rast=76"x76" Step=8" Pitch=+164", Yaw=-935"

80/06/01 DOY=153

Event # = 606
 80/06/01,00:32 DOY=153 Peak
 Optical Start End times
 GOES 00:28 00:32 00:35
 HXRBS 00:29:00 00:29:10 00:29:30
 UVSP 23:54

SMM Pointing: S19W70
 Importance=C1
 Peak...c/s=97
 Wavelength=1401A
 Code=00
 Exp #=3641

Pitch=+305", Yaw=-842", Roll=0deg H. Ang=71deg
 MaxkeV=125
 Rast=76"x76" Step=8" Pitch=+204", Yaw=-901"

Event # = 607
 80/06/01,17:23 DOY=153 Peak
 Optical Start End times
 GOES 17:18 17:23 17:34
 HXRBS 17:19:00 17:19:30 17:21:50
 UVSP 17:19
 Radio Sweeps

SMM Pointing: S19W86
 Importance=C2
 Peak...c/s=74
 Wavelength=1547A
 Code=00
 Exp #=3676

Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=+250", Yaw=-952"
 Flags=SN

Event # = 608
 80/06/01,19:39 DOY=153 Peak
 Optical Start End times
 GOES 19:21 19:39 20:40
 HXRBS 19:23:00 19:26:20 19:27:00
 UVSP 19:11
 Radio Sweeps

SMM Pointing: S19W86
 Ha...Class=SB
 Code=LPS
 Importance=M2
 Peak...c/s=195
 Wavelength=1547A
 Code=00
 Exp #=3682

Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Mac.=CK0 Carr. Lon.=360deg H. Ang=90deg
 H. Ang=90deg
 MaxkeV=54
 Rast=120"x120" Step=3" Pitch=+242", Yaw=-914"
 Flags=ES

Event # = 610
 80/06/01,20:59 DOY=153 Peak
 Optical Start End times
 GOES 20:56 20:59 21:03
 HXRBS 20:58:00 20:58:20 20:59:00
 UVSP 20:47
 Radio Frequency(MHz)/Flux(sfu): 245/21 410/310 606/180 1415/110
 HXRBS 20:57:10 20:57:30 20:57:50

SMM Pointing: S19W86
 Ha...Class=SN
 Importance=C3
 Peak...c/s=120
 Wavelength=1547A
 Code=00
 Exp #=3686

Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Mac.=EKI Carr. Lon.=119deg H. Ang=32deg
 MaxkeV=125
 Rast=120"x120" Step=3" Pitch=+242", Yaw=-914"
 MaxkeV=54
 Associated Event # = 609
 Tot Cts=501

80/06/02 DOY=154

Event # = 611
 80/06/02,00:30 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+308",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 GOES 00:10 00:30 00:49 AR2478 Mac.=EKI Carr.Lon.=117deg H.Ang=32deg
 HXRBS 00:12:30 00:13:20 00:13:35 Qual=03 Peak...c/s=148 Tot Cts=799 MaxkeV=54
 UVSP 00:00 00:00 00:00 00:00 WaveLength=1547A Code=00 Exp #=3694 Rast=120"x120" Step=3" Pitch=+244",Yaw=-913"

Event # = 612
 80/06/02,03:10 Start DOY=154 Peak
 S19W90 SMM Pointing: H.Ang=90deg
 Optical
 GOES 02:58 03:10 03:20 Qual=01
 HXRBS 03:06:20 03:06:50 03:07:00 Peak...c/s=92 MaxkeV=54
 UVSP 02:52 02:52 03:06:50 03:07:00 WaveLength=1639A Code=00 Exp #=3700 Rast=240"x240" Step=3" Pitch=+249",Yaw=-951"

Event # = 613
 80/06/02,08:22 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+308",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 GOES 08:12 08:22 08:32 AR2490 Code=LPS Mac.=CKO Carr.Lon.=352deg H.Ang=90deg
 HXRBS 08:21:00 08:22:10 08:22:40 Importance=C8 Peak...c/s=179 Tot Cts=2964 MaxkeV=54
 UVSP 07:51 07:51 08:22:10 08:22:40 WaveLength=1401A Code=00 Exp #=3710 Rast=76"x76" Step=8" Pitch=+322",Yaw=-888"

Event # = 614
 80/06/02,09:23 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+307",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 GOES 09:00 09:23 09:30 AR2470 Mac.=HKX Carr.Lon.=175deg H.Ang=93deg
 HXRBS 09:17:50 09:18:30 09:24:10 Importance=M1 Peak...c/s=85 FePeak=54
 BCS 09:10 09:10 10:07 CaPeak.c/s=169 #Peaks=1 XEN=15400
 FCS 09:11 09:11 09:10 Peak3...c/s=50 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 HXIS 09:21 09:10 09:10 Peak...c/s=136 Rast=240"x240" Step=4" Pitch=+248",Yaw=-950
 UVSP 09:21 09:10 09:10 WaveLength=1402A Code=00 Exp #=3712

Event # = 615
 80/06/02,09:33 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+307",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 GOES 09:33:00 09:33:25 09:34:35 Qual=06 MaxkeV=54
 HXRBS 09:33:00 09:33:25 09:34:35 Peak...c/s=77 Rast=76"x76" Step=8" Pitch=+322",Yaw=-888"
 UVSP 09:28 09:28 09:33:25 09:34:35 WaveLength=1401A Exp #=3713

Event # = 616
 80/06/02,12:29 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+307",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 GOES 12:20 12:29 12:49 AR2478 Mac.=EKI Carr.Lon.=124deg H.Ang=44deg
 HXRBS 12:25:05 12:25:25 12:25:35 Qual=01 Importance=C3 Peak...c/s=82 Tot Cts=115 MaxkeV=54
 UVSP 12:23 12:23 12:25:25 12:25:35 WaveLength=1397A Code=00 Exp #=3717 Rast=4"x4" Step=0" Pitch=+130",Yaw=-832"

Event # = 12674
 80/06/02,13:20 Start DOY=154 Peak
 S19W86 SMM Pointing: Pitch=+307",Yaw=-894",Roll=0deg H.Ang=86deg
 Optical
 HXRBS 13:20:08 13:20:09 13:20:24 Peak...c/s=79 Tot Cts=115 MaxkeV=125
 UVSP 12:39 12:39 13:20:08 13:20:24 WaveLength=1401A Exp #=3719 Rast=76"x76" Step=8" Pitch=+322",Yaw=-888"

Event # = 20222
 80/06/02,13:28 DOY=154
 Start Peak
 Optical
 GOES 13:02 13:28 13:45
 BCS 13:16 13:21 13:21
 FCS 13:18
 UVSP 12:39
 Radio Frequency(MHz)/Flux(sfu): 410/820
 SMM Pointing: N00W00
 Ha...Class=SB
 Importance=69
 CaPeak.c/s=39
 Peak3...c/s=24
 Wavelength=1401A
 H.Ang=0deg
 Pitch=+1", Yaw=-4", Roll=0deg
 Mac.=EKI Carr.Lon.=116deg
 FePeak.c/s=16 dt= 3.0s XEN=15404
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Step=8" Pitch=+322", Yaw=-888"

Event # = 617
 80/06/02,14:18 DOY=154
 Start Peak
 Optical
 GOES 13:57 14:18 15:36
 HXRBS 14:06:50 14:07:00 14:07:15
 Radio Frequency(MHz)/Flux(sfu): 245/480 410/210 606/23 1415/6 2695/6 4995/19 8800/16
 SMM Pointing: S19W87
 Code=LPS
 Ha...Class=SN
 Importance=C8
 Peak...c/s=75
 Qual=01
 MaxkeV=54
 H.Ang=87deg
 Pitch=+308", Yaw=-895", Roll=0deg
 Mac.=CKO Carr.Lon.=349deg
 Carr.Lon.=123deg
 H.Ang=90deg
 H.Ang=44deg

Event # = 618
 80/06/02,15:43 DOY=154
 Start Peak
 GOES 15:38 15:43 16:00
 HXRBS 15:49:30 15:50:00 15:50:25
 SMM Pointing: S19W87
 Importance=C2
 Peak...c/s=77
 Qual=01
 Qual=01
 H.Ang=87deg
 Pitch=+308", Yaw=-895", Roll=0deg
 MaxkeV=54

Event # = 20089
 80/06/02,21:43 DOY=154
 Start Peak
 Optical
 GOES 20:45 21:43 22:10
 BCS 21:58 22:04 22:14
 FCS 22:00
 SMM Pointing: S19W86
 Ha...Class=SB
 Importance=M2
 CaPeak.c/s=32
 Peak3...c/s=19
 H.Ang=86deg
 Pitch=+308", Yaw=-894", Roll=0deg
 Mac.=DR0 Carr.Lon.=0deg
 H.Ang=75deg
 FePeak.c/s=7 dt= 3.0s XEN=15413
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Step=15"

Event # = 20090
 80/06/02,23:37 DOY=154
 Start Peak
 GOES 23:37 23:37 23:37
 BCS 23:37
 UVSP
 SMM Pointing: S19W86
 CaPeak.c/s=19
 Qual=00
 Qual=1
 FePeak=23:37
 #Peaks=1
 FePeak.c/s=6
 Pitch=+258", Yaw=-960"
 H.Ang=86deg

Event # = 619
 80/06/02,23:48 DOY=154
 Start Peak
 Optical
 GOES 23:43 23:48 23:58
 HXRBS 23:57:42 23:58:22 23:59:30
 BCS 23:39 23:46 00:03
 FCS 23:41
 UVSP
 SMM Pointing: S19W86
 Ha...Class=SF
 Importance=C5
 Peak...c/s=86
 CaPeak.c/s=32
 Peak3...c/s=17
 H.Ang=86deg
 Pitch=+308", Yaw=-894", Roll=0deg
 Mac.=EKI Carr.Lon.=116deg
 H.Ang=44deg
 MaxkeV=54
 FePeak.c/s=7 dt= 3.0s XEN=15412
 Rast=180"x180" Cad= 147s 1.024s/pixel
 Step=15" Pitch=+258", Yaw=-960"

80/06/03 DOY=155

Event # = 20093
 80/06/03,00:00 DOY=155 S19W86 Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Start Peak
 GOES 23:58 00:00 00:10 SMM Pointing: Qual=01
 BCS 00:05 00:05 00:05 Importance=C5
 UVSP CaPeak.c/s=18 CaPeak.c/s=18 FePeak.c/s=7 #Peaks=1 XEN=15500
 Pitch=+258", Yaw=-960"
 Associated Event # = 20099
 BCS 00:08 00:08 00:09 CaPeak.c/s=18 FePeak.c/s=8 #Peaks=1 XEN=15501
 Qual=1 FePeak=00:05

Event # = 20098
 80/06/03,00:12 DOY=155 S19W86 Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Start Peak
 GOES 00:12 00:12 00:12 SMM Pointing: Qual=00
 BCS CaPeak.c/s=19 FePeak=00:12 #Peaks=1 XEN=15502
 Qual=1

Event # = 620
 80/06/03,00:18 DOY=155 S19W86 Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Start Peak
 Optical Ha...Class=SN
 GOES 00:14 00:18 00:30 Importance=C7 AR2490 H. Ang=75deg
 BCS 00:13:18 00:17:07 00:19:41 Peak....c/s=88 Carr. Lon.=359deg
 HXRBS MaxkeV=54

Event # = 20100
 80/06/03,01:53 DOY=155 S19W86 Pitch=+308", Yaw=-894", Roll=0deg H. Ang=86deg
 Start Peak
 GOES 01:48 01:53 02:01 SMM Pointing: Qual=01
 BCS 01:51 01:51 01:52 Importance=C5 FePeak=01:51 #Peaks=1 XEN=15503
 FCS CaPeak.c/s=22 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Peak3..c/s=18

Event # = 20223
 80/06/03,02:51 DOY=155 S12W45 Pitch=+193", Yaw=-654", Roll=0deg H. Ang=46deg
 Start Peak
 GOES 02:49 02:51 03:01 SMM Pointing: Qual=00
 BCS CaPeak.c/s=28 FePeak=02:51 #Peaks=1 dt= 3.0s XEN=15504
 UVSP Pitch=+138", Yaw=-702"

Event # = 20108
 80/06/03,03:10 DOY=155 S12W45 Pitch=+193", Yaw=-654", Roll=0deg H. Ang=46deg
 Start Peak
 GOES 03:10 03:10 03:13 SMM Pointing: Qual=00
 BCS CaPeak.c/s=20 FePeak=03:10 #Peaks=1 XEN=15510
 UVSP Pitch=+138", Yaw=-702"

Event # = 20749
 80/06/03,03:20 DOY=155 S12W45 Pitch=+193", Yaw=-654", Roll=0deg H. Ang=46deg
 Start Peak
 GOES 03:17 03:20 03:20 SMM Pointing: Qual=00
 BCS CaPeak.c/s=20 FePeak=03:20 #Peaks=1 XEN=15566
 UVSP Pitch=+138", Yaw=-702"

Event # = 20109																								
80/06/03,03:24	D0Y=155		SMM Pointing:	S12W45		Pitch=+193",Yaw=-654",Roll=0deg																		H.Ang=46deg
Start	Peak		End times	Qual=00																				
GOES 03:24	03:24	03:24	CaPeak.c/s=18	CaPeak.c/s=1	FePeak=03:24																			XEN=15515
BCS																								Pitch=+138",Yaw=-702"
UVSP																								
Event # = 20111																								
80/06/03,03:31	D0Y=155		SMM Pointing:	S12W45		Pitch=+193",Yaw=-654",Roll=0deg																		H.Ang=46deg
Start	Peak		End times	Qual=00																				
GOES 03:31	03:31	03:31	CaPeak.c/s=19	CaPeak.c/s=1	FePeak=03:31																			XEN=15516
BCS																								Pitch=+138",Yaw=-702"
UVSP																								
Event # = 20113																								
80/06/03,03:35	D0Y=155		SMM Pointing:	S12W45		Pitch=+193",Yaw=-654",Roll=0deg																		H.Ang=46deg
Start	Peak		End times	Qual=00																				
GOES 03:33	03:35	03:37	CaPeak.c/s=20	CaPeak.c/s=1	FePeak=03:35																			XEN=15517
BCS																								Pitch=+138",Yaw=-702"
UVSP																								
Event # = 20126																								
80/06/03,04:22	D0Y=155		SMM Pointing:	S12W45		Pitch=+193",Yaw=-654",Roll=0deg																		H.Ang=46deg
Start	Peak		End times	Qual=05																				
GOES 04:10	04:22	04:55	Importance=C5	Qual=01	FePeak=04:35																			XEN=15519
BCS 04:35	04:35	04:39	CaPeak.c/s=20	Qual=01	FePeak=04:35																			Pitch=+138",Yaw=-702"
UVSP																								
Event # = 621																								
80/06/03,07:47	D0Y=155		SMM Pointing:	S12W47		Pitch=+192",Yaw=-679",Roll=0deg																		H.Ang=48deg
Start	Peak		End times	S12E72		Mac.=DK0																		H.Ang=72deg
Optical			Ha...Class=SN	Qual=01	AR2490																			
GOES 07:40	07:47	07:53	Importance=C7	Qual=01	Tot Cts=3407																			
HXRBS 07:40:04	07:41:41	07:46:43	Peak...c/s=137	Qual=01																				
Event # = 623																								
80/06/03,08:07	D0Y=155		SMM Pointing:	S12W47		Pitch=+192",Yaw=-679",Roll=0deg																		H.Ang=48deg
Start	Peak		End times	S12E72		Mac.=DK0																		H.Ang=72deg
Optical			Ha...Class=IN	Qual=01	AR2490																			
GOES 07:53	08:07	08:21	Importance=M2	Qual=01	Tot Cts=19427																			
HXRBS 08:03:43	08:07:24	08:12:54	Peak...c/s=144	Qual=01	Associated Event # = 622																			
HXIS	08:10		Peak...c/s=130	Qual=01	Tot Cts=6606																			
HXRBS 07:53:54	07:54:52	08:02:24	Peak...c/s=106	Qual=01	Tot Cts=6606																			
Event # = 624																								
80/06/03,09:34	D0Y=155		SMM Pointing:	S12W47		Pitch=+192",Yaw=-678",Roll=0deg																		H.Ang=48deg
Start	Peak		End times	S10W33		Mac.=EKI																		H.Ang=34deg
Optical			Ha...Class=SN	Qual=01	AR2478																			
GOES 09:30	09:34	09:38	Importance=C4	Qual=01																				
HXRBS 09:34:13	09:35:23	09:35:55	Peak...c/s=57	Qual=01																				

Event # = 625												
80/06/03, 09:46	DOY=155	SMM Pointing:			S12W47	Pitch=+192", Yaw=-678", Roll=0deg			H. Ang=48deg			
GOES 09:38	Peak 09:46	End times 10:00	Importance=C9			Qual=01						
HXRBS 09:39:03	09:42:08	09:45:05	Peak...c/s=197			Qual=01	Tot Cts=12250			MaxkeV=125		
Event # = 626												
80/06/03, 11:44	DOY=155	SMM Pointing:			S12W49	Pitch=+192", Yaw=-697", Roll=0deg			H. Ang=50deg			
Optical	Peak 11:44	End times 11:49	Ha...Class=1B			S13E70	Mac.=DK0			H. Ang=70deg		
GOES 11:37	11:44	11:49	Importance=M1			Qual=02	Carr. Lon.=357deg					
HXRBS 11:39:12	11:42:20	11:47:22	Peak...c/s=908			Qual=01	Tot Cts=69495			MaxkeV=125		
Event # = 627												
80/06/03, 14:16	DOY=155	SMM Pointing:			S11W50	Pitch=+177", Yaw=-712", Roll=0deg			H. Ang=51deg			
Optical	Peak 14:16	End times 14:29	Ha...Class=SB			S13E66	Mac.=DK0			H. Ang=67deg		
GOES 14:11	14:16	14:29	Importance=C9			Qual=03	Carr. Lon.=0deg					
HXRBS 14:11:58	14:14:04	14:17:35	Peak...c/s=336			Qual=01	Tot Cts=23231			Pitch=+123", Yaw=-773"		
UVSP												
Event # = 20135												
80/06/03, 15:21	DOY=155	SMM Pointing:			S11W50	Pitch=+177", Yaw=-712", Roll=0deg			H. Ang=51deg			
GOES 15:18	Peak 15:21	End times 15:47	Importance=C3			Qual=05	FePeak.c/s=10			XEN=15522		
BCS 15:32	15:32	15:40	CaPeak.c/s=27			Qual=1	Rast=0"x0"			Step=0"		
FCS 15:38	15:38		Peak3...c/s=19				Event # = 20137			Cad=3840s		
UVSP							FePeak.c/s=6			Pitch=+123", Yaw=-773"		
BCS 15:44	15:45	15:46	CaPeak.c/s=20			Qual=5	FePeak.c/s=6			XEN=15567		
UVSP										Pitch=+123", Yaw=-773"		
Event # = 20142												
80/06/03, 15:52	DOY=155	SMM Pointing:			S11W50	Pitch=+177", Yaw=-712", Roll=0deg			H. Ang=51deg			
GOES 15:48	Peak 15:52	End times 15:55	Importance=C3			Qual=01	FePeak.c/s=7			XEN=15529		
BCS 15:52	15:52	15:52	CaPeak.c/s=21			Qual=1	Rast=0"x0"			Step=0"		
FCS 15:52	15:52		Peak3...c/s=15				Event # = 20141			Cad=3840s		
UVSP							FePeak.c/s=7			Pitch=+123", Yaw=-773"		
BCS 15:49	15:49	15:50	CaPeak.c/s=21			Qual=1	Rast=0"x0"			XEN=15528		
FCS 15:50	15:50		Peak3...c/s=18				Event # = 20151			Cad=3840s		
UVSP							FePeak.c/s=6			Pitch=+123", Yaw=-773"		
BCS 15:54	15:54	15:54	CaPeak.c/s=19			Qual=1	Rast=0"x0"			XEN=15530		
UVSP							Event # = 20152			Cad=3840s		
BCS 15:56	15:56	15:56	CaPeak.c/s=18			Qual=1	FePeak.c/s=6			Pitch=+123", Yaw=-773"		
UVSP							FePeak.c/s=6			XEN=15531		

Event # = 20153
 80/06/03,17:18 DOY=155
 Start Peak
 17:00 17:18
 17:15 17:16
 17:16 17:16
 GOES
 BCS
 FCS
 UVSP
 Radio Sweeps Type/Intensity: III/1

SMM Pointing: S11W52
 H. Ang=53deg
 Pitch=+178", Yaw=-734", Roll=0deg
 #Peaks=1
 Step=0"
 FePeak.c/s=8
 Rast=0"x0"
 Cad=3840s
 Pitch=+123", Yaw=-773"
 XEN=15568
 3840s/pixel

End times
 17:23
 17:17
 FePeak=17:15
 Qual=01
 Qual=1
 SMM Pointing: S11W52
 H. Ang=53deg
 Pitch=+178", Yaw=-734", Roll=0deg
 #Peaks=1
 Step=0"
 FePeak.c/s=3
 Rast=0"x0"
 dt= 1.0s
 XEN=15537
 3840s/pixel

Importance=C2
 CaPeak.c/s=21
 Peak3...c/s=28
 Peak....c/s=72
 DOY=155
 Peak
 17:38 17:41
 17:41 17:41
 17:34 17:38
 17:38
 GOES
 BCS
 FCS
 HXIS
 UVSP

SMM Pointing: S11W53
 H. Ang=54deg
 Pitch=+177", Yaw=-743", Roll=0deg
 #Peaks=1
 dt= 6.1s
 XEN=15538
 Pitch=+121", Yaw=-901"

Importance=C3
 CaPeak.c/s=35
 Peak3...c/s=104
 DOY=155
 Peak
 19:00 19:10
 18:59 19:09
 18:58
 GOES
 BCS
 HXIS
 UVSP

SMM Pointing: S11W53
 H. Ang=54deg
 Pitch=+177", Yaw=-743", Roll=0deg
 #Peaks=1
 dt= 6.1s
 XEN=15565
 Pitch=+121", Yaw=-901"
 XEN=15547
 Pitch=+121", Yaw=-901"

Associated Event # = 20177
 Qual=1
 FePeak=19:24
 CaPeak.c/s=21
 DOY=155
 Peak
 19:24 19:24
 19:19 19:22
 19:19
 GOES
 BCS
 UVSP

SMM Pointing: S11W54
 H. Ang=55deg
 Pitch=+178", Yaw=-754", Roll=0deg
 Carr. Lon.=332deg
 Mac.=CKO
 AR2490
 MaxkeV=54
 FePeak.c/s=6
 Rast=0"x0"
 #Peaks=1
 Step=0"
 dt= 6.1s
 XEN=15548
 3840s/pixel

Importance=C2
 CaPeak.c/s=22
 Peak3...c/s=17
 DOY=155
 Peak
 20:48 21:00
 20:43:18 20:43:34
 20:41 20:52
 20:42
 GOES
 HXRBS
 BCS
 FCS
 UVSP

SMM Pointing: S11W54
 H. Ang=55deg
 Pitch=+178", Yaw=-754", Roll=0deg
 Carr. Lon.=332deg
 Mac.=CKO
 AR2490
 MaxkeV=54
 FePeak.c/s=6
 Rast=0"x0"
 #Peaks=1
 Step=0"
 dt= 6.1s
 XEN=15548
 3840s/pixel

Associated Event # = 20750
 Qual=1
 FePeak=20:56
 CaPeak.c/s=20
 Peak3...c/s=12
 DOY=155
 Peak
 20:56 21:06
 20:56
 GOES
 FCS
 UVSP

SMM Pointing: S11W54
 H. Ang=55deg
 Pitch=+178", Yaw=-754", Roll=0deg
 Carr. Lon.=332deg
 Mac.=CKO
 AR2490
 MaxkeV=54
 FePeak.c/s=6
 Rast=0"x0"
 #Peaks=1
 Step=0"
 dt= 6.1s
 XEN=15548
 3840s/pixel

Associated Event # = 20750
 Qual=1
 FePeak=20:56
 CaPeak.c/s=20
 Peak3...c/s=12
 DOY=155
 Peak
 20:56 21:06
 20:56
 GOES
 FCS
 UVSP

Event # = 629									
80/06/03,21:04	DOY=155	Peak	End times	SMM Pointing:	S11W54	Pitch=+178", Yaw=-754", Roll=0deg	H. Ang=55deg		
Optical				Ha...Class=SN	S13E68				
GOES	21:00	21:04	21:10	Importance=C3	Qual=03	Carr. Lon.=354deg	H. Ang=69deg		
HXRBS	21:00:34	21:00:57	21:02:44	Peak...c/s=137	Qual=01	Tot Cts=1305			
UVSP									

HXRBS	21:03:40	21:04:06	21:05:00	Peak...c/s=90	Associated Event # = 630	Pitch=+133", Yaw=-915"			
UVSP					Qual=01	MaxkeV=54			

Event # = 20226									
80/06/03,22:12	DOY=155	Peak	End times	SMM Pointing:	S11W54	Pitch=+178", Yaw=-754", Roll=0deg	H. Ang=55deg		
Optical				Ha...Class=SN	S13W60				
GOES	22:09	22:12	22:20	Importance=C5	Qual=01	Carr. Lon.=122deg	H. Ang=61deg		
BGS	21:55	22:13	22:32	CaPeak.c/s=51	Qual=1	#Peaks=2 dt= 6.1s	XEN=15559		
FCS	22:21	22:21		Peak3...c/s=60		Rast=0" x0"	Caq=3840s		
HXIS	22:12	22:12		Peak...c/s=112					
UVSP									
Radio				Frequency(MHz)/Flux(sfu):	245/22 410/77	Pitch=+107", Yaw=-918"			

Event # = 20178									
80/06/03,22:47	DOY=155	Peak	End times	SMM Pointing:	S11W54	Pitch=+178", Yaw=-754", Roll=0deg	H. Ang=55deg		
GOES	22:47	22:47	22:47	CaPeak.c/s=21	Qual=00				
BGS					Qual=1	#Peaks=1	XEN=15564		
UVSP						Pitch=+107", Yaw=-918"			

Event # = 631									
80/06/04,00:08	DOY=156	Peak	End times	SMM Pointing:	S11W55	Pitch=+180", Yaw=-764", Roll=0deg	H. Ang=56deg		
Optical				Ha...Class=SN	S13E64				
GOES	00:00	00:08	00:11	Importance=C7	Qual=01	Carr. Lon.=357deg	H. Ang=65deg		
HXRBS	00:02:05	00:03:16	00:07:55	Peak...c/s=166	Qual=01	Tot Cts=12497			
UVSP									

Event # = 632									
80/06/04,00:19	DOY=156	Peak	End times	SMM Pointing:	S11W55	Pitch=+180", Yaw=-764", Roll=0deg	H. Ang=56deg		
Optical				Ha...Class=SN	S13E61				
GOES	00:14	00:19	00:38	Importance=C9	Qual=01	Carr. Lon.=359deg	H. Ang=62deg		
HXRBS	00:15:30	00:16:28	00:19:54	Peak...c/s=97	Qual=01	Tot Cts=2340			
Radio Sweeps				Type/Intensity:	I/1				

Event # = 633									
80/06/04,02:13	DOY=156	Peak	End times	SMM Pointing:	S11W56	Pitch=+182", Yaw=-774", Roll=0deg	H. Ang=57deg		
GOES	01:58	02:13	02:21	Importance=C7	Qual=02				
HXRBS	02:07:49	02:08:43	02:09:19	Peak...c/s=112	Qual=01	Tot Cts=1523			
HXIS	02:04	02:04		Peak...c/s=80		MaxkeV=54			
UVSP	02:22			Wave length=1542A	Code=02	Exp #=3752			
						Rast=3" x3"	Step=0"	Pitch=+128", Yaw=-840"	

Event # = 20191
 80/06/04, 06:34 DOY=156 SMM Pointing: S11W59 Pitch=+186", Yaw=-797", Roll=0deg H. Ang=60deg
 Start End times
 GOES 06:25 06:50 Importance=C3 Qual=01
 BCS 06:23 06:45 CaPeak.c/s=31 Qual=1 FePeak.c/s=11 #Peaks=1 dt= 6.1s XEN=15639
 UVSP 06:00 06:32 06:45 Wavelength=1546A Code=00 Exp #=3759 Rast=240"x240" Step=3" Pitch=+131", Yaw=-858"
 --- Associated Event # = 20193
 BCS 06:47 06:47 06:47 CaPeak.c/s=19 Qual=1 FePeak.c/s=12 #Peaks=1 XEN=15622

Event # = 634
 80/06/04, 06:55 DOY=156 SMM Pointing: S11W59 Pitch=+186", Yaw=-797", Roll=0deg H. Ang=60deg
 Start End times
 Optical
 GOES 06:54 06:55 Ha...Class=SB S14E59 Mac.=DK0 Carr. Lon.=358deg H. Ang=60deg
 HXRBS 06:53:56 06:58:35 Importance=M6 Qual=03 AR2490
 GRS 06:54:19 06:55:08 Peak...c/s=35200 Qual=01 Tot Cts=1.37E+6 MaxKeV=482 Flags=FS
 UVSP 06:00 06:55:08 Max.E.MeV=1.0 NucleAr.Line=Y >10MeV=Y Dur=49sec
 Radio Frequency(MHz)/Flux(sfu): 2695/31 4995/180 8800/550 Rast=240"x240" Step=3" Pitch=+131", Yaw=-858"

Event # = 20230
 80/06/04, 07:32 DOY=156 SMM Pointing: S11W60 Pitch=+187", Yaw=-804", Roll=0deg H. Ang=61deg
 Start End times
 GOES 07:28 07:40 Importance=C5 Qual=04
 BCS 07:30 07:41 CaPeak.c/s=56 Qual=5 FePeak=07:32 #Peaks=1 XEN=15623
 HXIS 07:30 07:30 Peak...c/s=136
 UVSP 07:32 07:32 Wavelength=1542A Code=02 Exp #=3760 Rast=3"x3" Step=0" Pitch=+132", Yaw=-865"

Event # = 635
 80/06/04, 08:45 DOY=156 SMM Pointing: S11W60 Pitch=+187", Yaw=-804", Roll=0deg H. Ang=61deg
 Start End times
 Optical
 GOES 07:51 08:45 Ha...Class=SB S13E58 Mac.=DK0 Carr. Lon.=358deg H. Ang=59deg
 HXRBS 07:51:50 08:34:14 Importance=M4 Qual=02 AR2490
 BCS 09:12 09:12 Peak...c/s=568 Qual=03 Tot Cts=2.63E+5 MaxKeV=258 Flags=EN
 HXIS 09:12 09:13 CaPeak.c/s=783 Qual=5 FePeak=09:12 #Peaks=1 XEN=15601
 UVSP 09:07 09:13 Peak...c/s=1405 Exp #=3763 Rast=10"x10" Step=0" Pitch=+132", Yaw=-865"
 Radio Frequency(MHz)/Flux(sfu): 245/990 606/740 1415/930 2695/1600 4995/1600 8800/1700 15400/1100
 HXRBS 09:07:53 09:11:02 09:15:53 Associated Event # = 636
 BCS 09:06 09:08 09:09 Peak...c/s=104 Qual=01 Tot Cts=7110 MaxKeV=54
 --- Associated Event # = 21055
 UVSP 09:06 09:08 09:09 CaPeak.c/s=25 Qual=1 FePeak=09:08 dt= 6.1s XEN=15600

Event # = 637
 80/06/04, 09:56 DOY=156 SMM Pointing: S14E60 Pitch=+228", Yaw=+793", Roll=0deg H. Ang=61deg
 Start End times
 GOES 09:53 10:04 Importance=C6 Qual=01
 HXRBS 09:54:31 09:58:04 Peak...c/s=77 Qual=01
 UVSP 09:52 09:52 Wavelength=1348A Code=00 Exp #=3770 MaxKeV=54
 Radio Frequency(MHz)/Flux(sfu): 245/540 410/150 Rast=120"x250" Step=10" Pitch=+174", Yaw=+734"

Event # = 638
 80/06/04, 10:55 DOY=156 SMM Pointing: N00W00 Pitch=+0", Yaw=+0", Roll=0deg H. Ang=0deg
 Start End times
 GOES 10:48 11:06 Importance=C5 Qual=01
 HXRBS 10:54:00 10:55:20 Peak...c/s=128 Qual=01 Tot Cts=1059
 UVSP 10:54 10:54 Wavelength=1300A Code=00 Exp #=3776 Rast=3"x3" Step=0" Pitch=-61", Yaw=-43"

Event # = 639		SMM Pointing:		N00E01		Pitch=+2" ,Yaw=+9" ,Roll=0deg		H. Ang=1deg		
80/06/04,14:07	DOY=156	End times								
Start	Peak	14:12								
GOES 14:03	14:07	14:07:40		Qual=01						
HXRS 14:05:40	14:06:40	14:07:40		Qual=01		Tot Cts=1232				
UVSP 13:58				Code=00		Exp #=3784		Step=3" Pitch=-61" ,Yaw=-43"		
Radio	Frequency(MHz)/Flux(sfu):		1415/57 2695/6 4995/13 8800/11							
Event # = 640		SMM Pointing:		S14W00		Pitch=+221" ,Yaw=+2" ,Roll=0deg		H. Ang=13deg		
80/06/04,15:34	DOY=156	End times								
Start	Peak	15:34:10		Qual=06						
GOES 15:33:40	15:34:05	15:34:10		Qual=01		Tot Cts=1558				
HXRS								MaxkeV=125		
Event # = 641		SMM Pointing:		S09W65		Pitch=+147" ,Yaw=-850" ,Roll=0deg		H. Ang=66deg		
80/06/04,17:45	DOY=156	End times								
Start	Peak	17:45		S12W69		Carr. Lon.=120deg		H. Ang=69deg		
Optical				Qual=02						
GOES 17:37	17:45	17:51		Ha...Class=S8						
HXRS 17:38:00	17:38:10	17:38:40		Importance=C7						
BCS 17:38	17:38	17:39		Peak...c/s=131		MaxkeV=54		XEN=15629		
FCS				CaPeak.c/s=35		FePeak.c/s=15		Step=0"		
HXIS				Peak3...c/s=16		Cad=3840s		3840s/pixel		
Radio	Frequency(MHz)/Flux(sfu):		245/120 410/31 2695/3 4995/40 8800/66							
Event # = 20194		SMM Pointing:		S09W65		Pitch=+147" ,Yaw=-850" ,Roll=0deg		H. Ang=66deg		
80/06/04,18:47	DOY=156	End times								
Start	Peak	18:47		Qual=00						
GOES 18:41	18:47	18:52		Qual=4		FePeak=18:47				
BCS 18:41	18:47	18:47		CaPeak.c/s=27		Exp #=3786				
FCS				Peak3...c/s=361						
UVSP 18:50				Wavelength=1397A						
Event # = 642		SMM Pointing:		S11W71		Pitch=+179" ,Yaw=-877" ,Roll=0deg		H. Ang=71deg		
80/06/04,20:59	DOY=156	End times								
Start	Peak	20:59		Qual=03						
GOES 20:51	20:59	21:12		Qual=01						
HXRS 20:57:45	20:58:05	20:58:15		Code=00		Exp #=3793		Step=4" Pitch=+160" ,Yaw=-866"		
UVSP 20:51				Wavelength=1401A						
Event # = 20195		SMM Pointing:		S11W71		Pitch=+179" ,Yaw=-877" ,Roll=0deg		H. Ang=71deg		
80/06/04,21:54	DOY=156	End times								
Start	Peak	21:54		Qual=00						
GOES 21:54	21:54	21:54		Qual=1		FePeak=21:54		XEN=15630		
BCS 21:54	21:55	21:55		CaPeak.c/s=19		Exp #=3794		Step=0"		
UVSP 21:55				Wavelength=1397A				Pitch=+160" ,Yaw=-866"		
Event # = 20196		SMM Pointing:		S11W71		Pitch=+179" ,Yaw=-877" ,Roll=0deg		H. Ang=71deg		
80/06/04,21:57	DOY=156	End times								
Start	Peak	21:57		Qual=01						
GOES 21:55	21:57	21:58		Qual=1		FePeak=21:56		XEN=15631		
BCS 21:56	21:56	21:58		Importance=C2		Exp #=3794		Step=15"		
FCS 21:56	21:58	21:58		CaPeak.c/s=29				Cad= 147s 1.024s/pixel		
UVSP 21:55				Peak3...c/s=138				Pitch=+160" ,Yaw=-866"		

Event # = 20197	80/06/04, 22:37			DOY=156	S11W73			Pitch=+180", Yaw=-887", Roll=0deg			H.Ang=73deg		
GOES	Start	22:33	End times	22:54	Importance=C2	Qual=03	FePeak=22:42						
BCS	Start	22:42	End times	22:42	CaPeak.c/s=31	Qual=1	Exp #=3797						
UVSP	Start	22:27	End times		Wavelength=1401A	Code=00		Rast=20"x20" Step=4" dt= 6.1s XEN=15633					
								Pitch=+160", Yaw=-876"					
80/06/05 DOY=157													
Event # = 643	80/06/05, 00:30			DOY=157	S11W73			Pitch=+181", Yaw=-888", Roll=0deg			H.Ang=73deg		
Optical	Start	00:21	End times	00:46	Ha...Class=SF	Qual=03	AR2490	Mac.=EKI Carr.Lon.=353deg H.Ang=55deg					
GOES	Start	00:21	End times	00:33:40	Importance=M1	Qual=01	Tot Cts=28700	MaxVel=54 dt= 6.1s XEN=15634					
HXRBS	Start	00:21	End times	00:33	Peak...c/s=190	Qual=1	FePeak=00:25	Rast=0"x0" Step=0" Cad=3840s 3840s/pixel					
BCS	Start	00:25	End times	00:25	CaPeak.c/s=87	Qual=1		Step=4" Pitch=+158", Yaw=-897"					
FCS	Start	23:58	End times	00:23	Peak3...c/s=181	Code=00	Exp #=3803						
HXIS	Start	00:23	End times		Peak...c/s=189	Code=00							
UVSP	Start	00:20	End times		Wavelength=1401A	Code=00	Exp #=3803						
Radio	Start	00:30	End times		Frequency(MHz)/Flux(sfu):	606/15	1415/8	2695/12 8800/17					
80/06/05, 01:29													
Event # = 644	80/06/05, 01:29			DOY=157	S11W74			Pitch=+182", Yaw=-893", Roll=0deg			H.Ang=74deg		
GOES	Start	01:20	End times	01:40	Importance=C5	Qual=01		MaxVel=54 dt= 1.0s XEN=15700					
HXRBS	Start	01:28:30	End times	01:30:00	Peak...c/s=109	Qual=01	Tot Cts=1496	FePeak.c/s=21 Cad=3840s 3840s/pixel					
BCS	Start	01:05	End times	02:09	CaPeak.c/s=139	Qual=1	FePeak=01:29	Rast=0"x0" Step=0" Pitch=+162", Yaw=-899"					
FCS	Start	01:30	End times	01:30	Peak3...c/s=474	Code=00	Exp #=3806						
HXIS	Start	01:29	End times		Peak...c/s=277	Code=00							
UVSP	Start	01:21	End times		Wavelength=1401A	Code=00	Exp #=3806						
80/06/05, 02:47													
Event # = 645	80/06/05, 02:47			DOY=157	S11W74			Pitch=+182", Yaw=-893", Roll=0deg			H.Ang=74deg		
GOES	Start	02:42	End times	02:53	Importance=C3	Qual=01		MaxVel=125 dt= 6.1s XEN=15701					
HXRBS	Start	02:46:50	End times	02:47:00	Peak...c/s=92	Qual=01	Tot Cts=1496	FePeak.c/s=21 Cad=3840s 3840s/pixel					
UVSP	Start	02:41	End times		Wavelength=1397A	Code=00	Exp #=3809	Rast=4"x4" Step=0" Pitch=+164", Yaw=-903"					
80/06/05, 03:43													
Event # = 20231	80/06/05, 03:43			DOY=157	S11W75			Pitch=+183", Yaw=-898", Roll=0deg			H.Ang=75deg		
GOES	Start	03:30	End times	03:57	Importance=C5	Qual=02		MaxVel=125 dt= 6.1s XEN=15701					
HXRBS	Start	03:43	End times	03:42	Peak...c/s=229	Code=00	Exp #=3813	Rast=4"x4" Step=0" Pitch=+188", Yaw=-897"					
UVSP	Start	03:31	End times		Wavelength=1401A	Code=00	Exp #=3813						
80/06/05, 04:22													
Event # = 646	80/06/05, 04:22			DOY=157	S11W79			Pitch=+187", Yaw=-910", Roll=0deg			H.Ang=79deg		
Optical	Start	04:15	End times	04:29	Ha...Class=IF	Qual=01	AR2478	Mac.=EKI Carr.Lon.=119deg H.Ang=74deg					
GOES	Start	04:15	End times	04:23:00	Importance=C5	Qual=01	FePeak=04:22	MaxVel=54 dt= 6.1s XEN=15701					
HXRBS	Start	04:19:30	End times	05:21	Peak...c/s=85	Qual=01		Rast=0"x0" Step=0" Cad=3840s 3840s/pixel					
BCS	Start	04:17	End times	04:21	CaPeak.c/s=95	Qual=1	Exp #=3814	Step=4" Pitch=+189", Yaw=-899"					
FCS	Start	04:22	End times	04:21	Peak3...c/s=361	Code=00							
HXIS	Start	04:21	End times		Peak...c/s=192	Code=00							
UVSP	Start	04:17	End times		Wavelength=1397A	Code=00	Exp #=3814						

Event # = 647	DOY=157	SMM Pointing:	S11W79	Pitch=+187", Yaw=-910", Roll=0deg	H. Ang=79deg
80/06/05,04:49	Peak	Importance=C5	Qual=01		
GOES 04:39	04:49	Peak...c/s=70	Qual=01		
HXRBS 04:48:10	04:48:40	Wavelength=1401A	Code=00	Step=4"	Pitch=+153", Yaw=-899"
UVSP 04:32			Exp #=3816		
Event # = 648	DOY=157	SMM Pointing:	S11W79	Pitch=+187", Yaw=-910", Roll=0deg	H. Ang=79deg
80/06/05,04:55	Peak	Ha...Class=SN	S12E45	Mac.=EKI	H. Ang=46deg
Optical		Importance=C6	Qual=01		
GOES 04:54	04:55	Peak...c/s=160	Qual=01		
HXRBS 04:53:20	04:54:00	Wavelength=1401A	Code=00	Step=4"	Pitch=+153", Yaw=-900"
UVSP 04:50			Tot Cts=3219		
			Exp #=3817		
Event # = 649	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05,06:07	Peak	Ha...Class=SB	S11W71	Mac.=EKI	H. Ang=71deg
Optical		Importance=C5	Qual=01		
GOES 06:03	06:07	Peak...c/s=220	Qual=01		
HXRBS 06:04:40	06:05:50	CaPeak.c/s=158	Qual= 1	#Peaks=3	dt= 6.1s
BGS 05:53	06:07	Peak3...c/s=108		Step=0"	Cad=3840s
FCS	05:56	Peak...c/s=365			XEN=15723
HXIS	06:05	Wavelength=1401A	Code=00	Step=4"	3840s/pixel
UVSP 06:02			Exp #=3820		
Event # = 650	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05,06:30	Peak	Importance=C3	Qual=01		
GOES 06:23	06:30	Peak...c/s=70	Qual=01		
HXRBS 06:29:30	06:29:35	Wavelength=1401A	Code=00	Step=4"	Pitch=+186", Yaw=-876"
UVSP 06:26			Exp #=3822		
Event # = 651	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05,06:46	Peak	Ha...Class=SB	S09W70	Mac.=EKI	H. Ang=70deg
Optical		Importance=C5	Qual=01		
GOES 06:40	06:46	Peak...c/s=525	Qual=01		
HXRBS 06:45:20	06:45:40	CaPeak.c/s=145	Qual=01		
BGS 06:49	06:54	Peak3...c/s=198			
FCS 06:51		Wavelength=1401A	Code=00	Step=15"	Cad=16.0s
UVSP 06:44			Exp #=3823	Step=4"	Pitch=+187", Yaw=-876"
Radio	Frequency(MHz)/Flux(sfu):	2695/4 8800/93			
Event # = 652	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05,06:53	Peak	Ha...Class=SB	S09W70	Mac.=EKI	H. Ang=70deg
Optical		Importance=C6	Qual=03		
GOES 06:50	06:53	Peak...c/s=75	Qual=01		
HXRBS 06:52:00	06:53:00	Wavelength=1401A	Code=00	Step=4"	Pitch=+187", Yaw=-876"
UVSP 06:44			Exp #=3823		

Event # = 20232	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05, 07:43	Peak	Importance=C4	Qual=01		
GOES 07:34	07:43	Peak...c/s=88			
HXIS 07:38	07:46	Wavelength=1401A	Code=00	Rast=240"x240" Step=4" Pitch=+142", Yaw=-964"	
UVSP			Exp #=3825		
Event # = 20233	DOY=157	SMM Pointing:	S11W77	Pitch=+186", Yaw=-904", Roll=0deg	H. Ang=77deg
80/06/05, 08:16	Peak	Importance=C1	Qual=01		
GOES 08:10	08:16	Peak...c/s=80			
HXIS 08:01	08:16	Wavelength=1401A	Code=00	Rast=20"x20" Step=4" Pitch=+160", Yaw=-911"	
UVSP			Exp #=3827		
Event # = 20234	DOY=157	SMM Pointing:	S11W80	Pitch=+187", Yaw=-914", Roll=0deg	H. Ang=80deg
80/06/05, 09:07	Peak	Importance=C6	Qual=05		
GOES 08:50	09:07	CaPeak.c/s=75	Qual= 4	dt= 6.1s XEN=15705	
BCS 09:04	09:07	Peak3...c/s=206		Rast=0"x0" Cad=3840s	
FCS 09:07	09:07	Peak...c/s=144		Rast=180"x1" Step=0" Pitch=+210", Yaw=-860"	
HXIS 09:05	09:05	Wavelength=1637A	Code=00		
UVSP			Exp #=3830		
Event # = 653	DOY=157	SMM Pointing:	S11W80	Pitch=+187", Yaw=-914", Roll=0deg	H. Ang=80deg
80/06/05, 09:55	Peak	Importance=C7	Qual=01		
GOES 09:52	10:01	Peak...c/s=95	Qual=01		
HXRBS 09:54:10	09:54:40	Peak...c/s=120		MaxkeV=54	
HXIS 09:55	09:55	Wavelength=1544A		Rast=180"x1" Step=0" Pitch=+212", Yaw=-863"	
UVSP 10:42			Exp #=3832		
Event # = 20200	DOY=157	SMM Pointing:	S11W80	Pitch=+187", Yaw=-914", Roll=0deg	H. Ang=80deg
80/06/05, 10:44	Peak	CaPeak.c/s=23	Qual=00		
GOES 10:40	10:44	Peak3...c/s=150	Qual= 1	dt= 6.1s XEN=15706	
BCS 10:40	10:42	Wavelength=1544A		Rast=0"x0" Cad=3840s	
FCS			Exp #=3832	Rast=180"x1" Step=0" Pitch=+212", Yaw=-863"	
UVSP					
Event # = 20203	DOY=157	SMM Pointing:	S11W80	Pitch=+187", Yaw=-914", Roll=0deg	H. Ang=80deg
80/06/05, 10:57	Peak	CaPeak.c/s=24	Qual=00		
GOES 10:57	10:57	Wavelength=1544A	Qual= 1	#Peaks=1 XEN=15711	
BCS 10:57	10:57			Rast=180"x1" Step=0" Pitch=+212", Yaw=-863"	
UVSP 10:42	10:42		Exp #=3832		
Event # = 654	DOY=157	SMM Pointing:	S11W80	Pitch=+187", Yaw=-914", Roll=0deg	H. Ang=80deg
80/06/05, 11:40	Peak	Ha...Class=SB	S14E44		
Optical 11:34	11:40	Importance=M1	Qual=03	Mac.=EKI Carr. Lon.=357deg	H. Ang=46deg
GOES 11:34	11:44	Peak...c/s=120	Qual=01	MaxkeV=54	
HXRBS 11:35:40	11:36:10	CaPeak.c/s=178	Qual= 1	dt= 6.1s XEN=15712	
BCS 11:27	11:38	Peak3...c/s=636		Rast=60"x60" Cad=16.4s	
FCS 11:41	11:41	Wavelength=1544A		Step=15" Pitch=+212", Yaw=-865"	
HXIS 11:39	11:39		Exp #=3835		
UVSP 12:18					

Event # = 655
 80/06/05, 12:23 Start DOY=157 Peak
 GOES 12:22 12:33 End times
 HXRBS 12:24:50 12:25:10 12:25:30
 BCS 12:20 12:25 12:32
 FCS 12:25 12:25
 HXIS 12:24
 UVSP 12:18

SMM Pointing: S12W80
 Importance=C6
 Peak...c/s=90
 CaPeak.c/s=76
 Peak3...c/s=135
 Peak...c/s=136
 Wavelength=1544A Code=00 Exp #=3835

Pitch=+191", Yaw=-915", Roll=0deg H. Ang=81deg
 MaxkeV=54
 FePeak.c/s=19 #Peaks=1 dt= 6.1s XEN=15724
 Rast=0"x0" Cad=3840s Step=0" 3840s/pixel
 Rast=180"x1" Step=0" Pitch=+212", Yaw=-865"

Event # = 20204
 80/06/05, 12:40 Start DOY=157 Peak
 GOES 12:33 13:13 End times
 BCS 12:33 12:34 12:34
 FCS 12:35

SMM Pointing: S12W80
 Importance=M1
 CaPeak.c/s=22
 Peak3...c/s=100
 Wavelength=1544A Code=01 Exp #=3835

Pitch=+191", Yaw=-915", Roll=0deg H. Ang=81deg
 FePeak.c/s=6 #Peaks=1 XEN=15725
 Rast=0"x0" Cad=3840s Step=0" 3840s/pixel
 Rast=180"x1" Step=0" Pitch=+212", Yaw=-865"

Event # = 656
 80/06/05, 13:15 Start DOY=157 Peak
 GOES 13:13 13:15 End times
 HXRBS 13:14:10 13:14:30 13:14:50
 BCS 13:13 13:15 13:18
 FCS 13:14 13:14
 HXIS 12:18
 UVSP 13:11 13:12

SMM Pointing: S12W80
 Importance=C5
 Peak...c/s=98
 CaPeak.c/s=65
 Peak3...c/s=110
 Peak...c/s=176
 Wavelength=1544A Associated
 Event # = 20205
 Qual=1 FePeak=13:11
 CaPeak.c/s=22
 Peak3...c/s=76

Pitch=+191", Yaw=-915", Roll=0deg H. Ang=81deg
 MaxkeV=54
 FePeak.c/s=18 #Peaks=1 XEN=15722
 Rast=0"x0" Cad=3840s Step=0" 3840s/pixel
 Rast=180"x1" Step=0" Pitch=+212", Yaw=-865"
 FePeak.c/s=10 #Peaks=1 XEN=15726
 Rast=0"x0" Cad=3840s Step=0" 3840s/pixel

Event # = 657
 80/06/05, 14:01 Start DOY=157 Peak
 GOES 13:57 14:01 End times
 HXRBS 13:59:30 14:00:30 14:01:20

SMM Pointing: N00W00
 Importance=C4
 Peak...c/s=170

Pitch=+0", Yaw=-1", Roll=0deg H. Ang=0deg
 MaxkeV=125

Event # = 658
 80/06/05, 20:29 Start DOY=157 Peak
 Optical 20:25 20:29 20:33 End times
 GOES 20:27:40 20:28:40 20:29:10
 HXRBS 20:25 20:25
 UVSP 20:31:56 20:32:10 20:32:16

SMM Pointing: S14E40
 Ha...Class=SF
 Importance=C3
 Peak...c/s=132
 Wavelength=1548A Code=00
 Associated
 Event # = 659
 Qual=01

Pitch=-229", Yaw=-587", Roll=180deg H. Ang=42deg
 Mac.=EKI Carr.Lon.=115deg H. Ang=79deg
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=-288", Yaw=-634"
 MaxkeV=125

Event # = 660
 80/06/05, 20:40 Start DOY=157 Peak
 Optical 20:35 20:40 20:53 End times
 GOES 20:39:20 20:39:30 20:39:50
 HXRBS 20:35 20:40
 UVSP 20:25

SMM Pointing: S14E40
 Ha...Class=SF
 Importance=C2
 Peak...c/s=104
 Wavelength=1548A Code=00

Pitch=-229", Yaw=-587", Roll=180deg H. Ang=42deg
 Mac.=EKI Carr.Lon.=115deg H. Ang=79deg
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=-288", Yaw=-634"

Event # = 20235
 80/06/06,01:54 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 01:54
 GOES 01:50 End times 02:15
 BCS 01:52 CaPeak.c/s=51 Qual=01 dt= 6.1s XEN=15809
 HXIS 01:53 Peak...c/s=99 FePeak=01:54 #Peaks=1
 UVSP 01:14 Wavelength=1546A Code=00 Exp #=3849 Rast=240"x240" Step=3" Pitch=-223",Yaw=+871"

Event # = 668
 80/06/06,02:47 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 02:47
 GOES 02:43 End times 02:50
 HXRBS 02:44:30 02:46:00 Tot Cts=3564 MaxkeV=125
 BCS 02:39 02:43 FePeak=02:43 FePeak.c/s=9 #Peaks=1 dt= 6.1s XEN=15810
 HXIS 02:43 Peak...c/s=80 Rast=3"x3" Step=0" Pitch=-223",Yaw=+873"
 UVSP 02:44 Wavelength=1546A Code=00 Exp #=3850

Event # = 20209
 80/06/06,03:04 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 03:04
 GOES 03:01 End times 03:06
 BCS 03:03 CaPeak.c/s=19 Qual=01 dt= 6.1s XEN=15811
 UVSP 02:49 Wavelength=1546A Code=00 Exp #=3851 Rast=240"x240" Step=3" Pitch=-223",Yaw=+873"

Event # = 20216
 80/06/06,03:21 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 03:21
 GOES 03:17 End times 03:25
 BCS 03:19 CaPeak.c/s=29 Qual=01 dt= 6.1s XEN=15812
 UVSP 02:49 Wavelength=1546A Code=00 Exp #=3851 Rast=240"x240" Step=3" Pitch=-223",Yaw=+873"

Event # = 20236
 80/06/06,03:33 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 03:33
 GOES 03:25 End times 03:41
 BCS 03:26 CaPeak.c/s=60 Qual=01 dt= 6.1s XEN=15813
 HXIS 03:31 Peak...c/s=112 FePeak=03:33 #Peaks=3 dt= 6.1s
 UVSP 02:49 Wavelength=1546A Code=00 Exp #=3851 Rast=240"x240" Step=3" Pitch=-223",Yaw=+873"

Event # = 669
 80/06/06,03:46 DOY=158 SMM Pointing: S10W85 Pitch=-164",Yaw=+929",Roll=180deg H.Ang=85deg
 Start Peak 03:46
 GOES 03:42 End times 03:49
 HXRBS 03:41:21 03:44:18 Tot Cts=4199 MaxkeV=54
 UVSP 02:49 Wavelength=1546A Code=01 Exp #=3851 Rast=240"x240" Step=3" Pitch=-223",Yaw=+873"

Event # = 670
 80/06/06,04:35 DOY=158 SMM Pointing: S10W88 Pitch=-165",Yaw=+932",Roll=180deg H.Ang=88deg
 Start Peak 04:35
 GOES 04:26 End times 04:39
 HXRBS 04:34:42 04:35:02 FePeak=04:35 FePeak.c/s=11 #Peaks=3 dt= 6.1s XEN=15802
 BCS 04:27 04:35 Peak...c/s=99 Rast=240"x240" Step=3" Pitch=-223",Yaw=+873"
 HXIS 04:35 Wavelength=1546A Code=00 Exp #=3853
 UVSP 04:24

Event # = 20217		DOY=158		SMM Pointing:		S10W88		Pitch=-165", Yaw=+932", Roll=180deg		H. Ang=88deg	
80/06/06,04:41		Peak		End times							
GOES		04:41		04:45		CaPeak.c/s=19		FePeak=04:41		FePeak.c/s=9 #Peaks=1	
BCS		04:24				Wavelength=1546A		Exp #=3853		Rast=240"x240" Step=3" Pitch=-223", Yaw=+873"	
UVSP											
Event # = 671		DOY=158		SMM Pointing:		S10W88		Pitch=-165", Yaw=+932", Roll=180deg		H. Ang=88deg	
80/06/06,04:59		Peak		End times							
GOES		04:59		05:08		Importance=C2		MaxkeV=54		FePeak.c/s=20 #Peaks=2 dt= 6.1s XEN=15806	
HXRBS		04:56:30		04:58:01		Peak...c/s=79		Rast=240"x240" Step=3" Pitch=-223", Yaw=+873"			
BCS		04:56		05:10		CaPeak.c/s=48					
HXIS		04:58				Peak...c/s=80					
UVSP		04:24				Wavelength=1546A Code=00		Exp #=3853			
Event # = 20237		DOY=158		SMM Pointing:		S10W88		Pitch=-165", Yaw=+932", Roll=180deg		H. Ang=88deg	
80/06/06,06:44		Peak		End times							
GOES		06:44		07:09		Importance=C2		Rast=8"x8" Step=4" Pitch=-189", Yaw=+925"			
HXIS		06:31				Peak...c/s=123					
UVSP		06:02				Wavelength=1546A Code=00		Exp #=3856			
Event # = 672		DOY=158		SMM Pointing:				Pitch=-164", Yaw=+934", Roll=180deg			
80/06/06,09:53		Peak		End times							
GOES		09:53		09:55		Importance=C3		MaxkeV=125		Rast=8"x8" Step=4" Pitch=-201", Yaw=+927"	
HXRBS		09:51:45		09:53:10		Peak...c/s=194		Tot Cts=2384			
UVSP		09:44				Wavelength=1546A Code=00		Exp #=3865			
Radio		Frequency (MHz)/Flux (sfu):		245/3200 410/49 606/19							
Event # = 20238		DOY=158		SMM Pointing:				Pitch=-164", Yaw=+934", Roll=180deg			
80/06/06,10:52		Peak		End times							
GOES		10:33		10:59		Importance=C2		Mac.=DKI Carr. Lon.=357deg		H. Ang=33deg	
HXIS		10:42				Peak...c/s=80		MaxkeV=125		Pitch=-232", Yaw=+867"	
Event # = 673		DOY=158		SMM Pointing:		S13E31		Pitch=-164", Yaw=+934", Roll=180deg			
80/06/06,11:30		Peak		End times							
Optical		11:21		11:35		Ha...Class=SF		AR2490			
GOES		11:25:40		11:30:20		Importance=C2		Tot Cts=2877			
HXRBS		11:26:34		11:30:20		Peak...c/s=250					
UVSP											
Radio		Frequency (MHz)/Flux (sfu):		245/2300 410/170 606/340							
Event # = 674		DOY=158		SMM Pointing:		S14E28		Pitch=-164", Yaw=+934", Roll=180deg			
80/06/06,11:44		Peak		End times							
Optical		11:40		11:48		Ha...Class=SB		AR2490		H. Ang=31deg	
GOES		11:42:25		11:43:00		Importance=C3		Tot Cts=47208		Mac.=DKI Carr. Lon.=360deg	
HXRBS		11:42:26		11:42:42		Peak...c/s=8466		Nuclear.Line=N		Flags=M, FS	
GRS						Max.E..MeV= 0.5		>10MeV=N		Dur=16sec	
UVSP										Pitch=-232", Yaw=+867"	
Radio Sweeps		Type/Intensity:		III/3							
Radio		Frequency (MHz)/Flux (sfu):		245/33000 410/140 606/27 1415/22 2695/20 4995/24 8800/64 15400/260							

Event # = 675			SMM Pointing:			Pitch=-164", Yaw=+934", Roll=180deg		
80/06/06,12:10	DOY=158	Peak	End times					
Start	12:10		12:20					
GOES	12:08			Importance=C2				
HXRBS	12:17:02	12:17:18	12:17:22	Peak...c/s=74				Pitch=-232", Yaw=+867"
UVSP								MaxkeV=125
Event # = 676			SMM Pointing:			Pitch=-248", Yaw=-437", Roll=180deg		
80/06/06,14:01	DOY=158	Peak	End times					
Start	14:01		14:55					
Optical	13:57			Ha...Class=SN	AR2490			
GOES	13:55:30	13:56:40	14:02:30	Importance=C4				
HXRBS	13:55	14:02	14:10	Peak...c/s=116				
BCS	13:55	14:02	14:10	CaPeak.c/s=79				
HXIS		14:01		Peak...c/s=176				
UVSP								Pitch=-62", Yaw=-43"
Radio	Frequency(MHz)/Flux(sfu):		2695/25	4995/14				
Event # = 677			SMM Pointing:			Pitch=-166", Yaw=+931", Roll=180deg		
80/06/06,15:52	DOY=158	Peak	End times					
Start	15:52		16:11					
Optical	15:47			Ha...Class=SN	AR2495			
GOES	15:47	15:52	16:11	Importance=C3				
HXRBS	15:50:40	15:52:20	15:52:50	Peak...c/s=296				
UVSP								
Radio	Frequency(MHz)/Flux(sfu):		2695/17	4995/12	8800/19			
Event # = 678			SMM Pointing:			Pitch=-163", Yaw=+936", Roll=180deg		
80/06/06,17:24	DOY=158	Peak	End times					
Start	17:24		17:29					
Optical	17:20			Importance=C5	AR2495			
GOES	17:20	17:24	17:29	Qual=01				
HXRBS	17:10:30	17:22:10	17:35:04	Peak...c/s=201				
Radio	Frequency(MHz)/Flux(sfu):		245/480	410/320	606/86	1415/20	8800/40	15400/18
Event # = 20239			SMM Pointing:			Pitch=-163", Yaw=+936", Roll=180deg		
80/06/06,18:34	DOY=158	Peak	End times					
Start	18:34		18:41					
GOES	18:29	18:34	18:41	Importance=C6				
BCS	18:38	18:38	18:50	CaPeak.c/s=111				
FCS								
HXIS		18:37		Peak...c/s=224				
Event # = 20240			SMM Pointing:			Pitch=-164", Yaw=+932", Roll=180deg		
80/06/06,20:43	DOY=158	Peak	End times					
Start	20:43		21:03					
Optical				Ha...Class=SN	AR2495			
GOES	20:33	20:43	21:03	Importance=C2				
HXRBS	20:33	20:41		Peak...c/s=68				
UVSP								Pitch=-231", Yaw=+867"

Event # = 20241
 80/06/06,21:53 DOY=158
 Start Peak
 21:53 21:50
 GOES 21:40
 HXIS 21:50
 UVSP
 SMM Pointing: Pitch=-165", Yaw=+937", Roll=180deg
 Importance=C2 Qual=05
 Peak...c/s=88
 Pitch=-231", Yaw=+867"

Event # = 20242
 80/06/06,22:20 DOY=158
 Start Peak
 22:10 22:20
 GOES 22:10
 HXIS 22:20
 UVSP
 SMM Pointing: Pitch=-165", Yaw=+937", Roll=180deg
 Importance=C2 Qual=01
 Peak...c/s=61

Event # = 20243
 80/06/06,23:24 DOY=158
 Start Peak
 23:19 23:24
 GOES 23:19
 HXIS 23:24
 UVSP 23:28
 SMM Pointing: Pitch=-165", Yaw=+937", Roll=180deg
 Importance=C2 Qual=05
 Peak...c/s=83
 Wavelength=1541A Code=02 Exp #=3872
 Rast=3" x3" Step=0" Pitch=-231", Yaw=+867"

Event # = 679
 80/06/06,23:35 DOY=158
 Start Peak
 23:32 23:35
 GOES 23:32
 HXRBS 23:34:15
 UVSP 23:33
 Radio Sweeps Type/Intensity: V/2
 Radio Frequency(MHz)/Flux(sfu): 245/4700 410/130 606/60 1415/63 15400/64
 SMM Pointing: S15E24 H.Ang=28deg
 Importance=C3 Qual=01
 Peak...c/s=3558 Qual=01
 Wavelength=1546A Code=00 Exp #=3873
 MaxkeV=258 Flags=M,FS
 Rast=120"x120" Step=3" Pitch=-315", Yaw=-413"

Event # = 680
 80/06/06,23:40 DOY=158
 Start Peak
 23:37 23:40
 GOES 23:37
 HXRBS 23:44:33
 UVSP 23:33
 Radio Frequency(MHz)/Flux(sfu): 245/4700 410/130 606/60 1415/63 15400/64
 SMM Pointing: S15E24 H.Ang=28deg
 Ha...Class=IN S13E35 AR2490
 Importance=C2 Qual=01
 Peak...c/s=102 Qual=01
 Wavelength=1546A Code=00 Exp #=3873
 MaxkeV=54 Carr. Lon.=346deg
 Rast=120"x120" Step=3" Pitch=-315", Yaw=-413"

Event # = 681
 80/06/06,23:49 DOY=158
 Start Peak
 23:47 23:49
 GOES 23:47
 HXRBS 23:48:31
 UVSP 23:33
 Radio Frequency(MHz)/Flux(sfu): 245/4700 410/130 606/60 1415/63 15400/64
 SMM Pointing: S15E24 H.Ang=28deg
 Importance=C1 Qual=01
 Peak...c/s=74 Qual=01
 Wavelength=1546A Code=00 Exp #=3873
 MaxkeV=54 Carr. Lon.=346deg
 Rast=120"x120" Step=3" Pitch=-315", Yaw=-413"

Event # = 682
 80/06/07,00:33 DOY=159
 Start Peak
 00:25 00:33
 GOES 00:25
 HXRBS 00:27:19
 UVSP 23:33
 SMM Pointing: S15E24 H.Ang=28deg
 Importance=C1 Qual=02
 Peak...c/s=85 Qual=01
 Wavelength=1546A Code=01 Exp #=3873
 MaxkeV=54 Carr. Lon.=346deg
 Rast=120"x120" Step=3" Pitch=-315", Yaw=-413"

Event # = 20244										
80/06/07	05:03	DOY=159								
	Start	Peak								
GOES	04:59	05:03		SMM Pointing:	S15E22					Pitch=-246", Yaw=-344", Roll=180deg
BCS	05:01	05:03	05:06	Importance=C2	Qual=01					H. Ang=27deg
FCS			05:06	CaPeak.c/s=40	Qual=1	FePeak=05:03				
HXIS				Peak...c/s=84	Code=00	Exp #=3880				
UVSP	04:22	05:01		Wavelength=1366A						Rast=120"x120" Step=3" Pitch=-316", Yaw=-386"
Event # = 689										
80/06/07	05:54	DOY=159								
	Start	Peak								
GOES	05:54:02	05:54:17	05:54:49	SMM Pointing:	S15E20					Pitch=-246", Yaw=-315", Roll=180deg
HXRBS				Peak...c/s=97	Qual=06					H. Ang=25deg
UVSP	05:52			Wavelength=1385A	Qual=01	Tot Cts=255				
Radio				Frequency(MHz)/Flux(sfu): 245/700		Exp #=3881				MaxkeV=125 Rast=3"x3" Step=0" Pitch=-316", Yaw=-386"
Event # = 690										
80/06/07	06:16	DOY=159								
	Start	Peak								
GOES	06:12	06:16	06:21	SMM Pointing:	S15E20					Pitch=-246", Yaw=-315", Roll=180deg
HXRBS	06:15:15	06:15:34	06:16:06	Importance=C1	Qual=01					H. Ang=25deg
BCS	06:16	06:16	06:16	Peak...c/s=163	Qual=01	Tot Cts=2553				
FCS				CaPeak.c/s=21	Qual=1	FePeak=06:16				
UVSP	05:57	06:16		Peak3...c/s=121	Code=00	Exp #=3882				MaxkeV=125 FePeak.c/s=10 #Peaks=1 XEN=15905 Rast=240"x240" Step=20" Cad= 147s 1.024s/pixel Rast=120"x120" Step=3" Pitch=-316", Yaw=-360"
Event # = 691										
80/06/07	07:26	DOY=159								
	Start	Peak								
Optical				SMM Pointing:	S15E20					Pitch=-246", Yaw=-315", Roll=180deg
GOES	07:22	07:26	07:28	Ha...Class=SN	N13W76	AR2495				H. Ang=25deg
HXRBS	07:25:24	07:25:45	07:27:08	Importance=C4	Qual=05					H. Ang=76deg
UVSP	07:27			Peak...c/s=398	Qual=02	Tot Cts=4547				
Radio				Wavelength=1525A	Code=02	Exp #=3884				Mac.=DAO MaxkeV=258 Rast=3"x3" Step=0" Pitch=-316", Yaw=-360"
				Frequency(MHz)/Flux(sfu): 8800/14						
Event # = 20245										
80/06/07	10:18	DOY=159								
	Start	Peak								
Optical				SMM Pointing:	S15E18					Pitch=-246", Yaw=-288", Roll=180deg
GOES	09:51	10:18	10:32	Importance=C3	S12E14	AR2490				H. Ang=24deg
BCS	09:52	09:58	10:06	CaPeak.c/s=59	Qual=03					H. Ang=18deg
FCS				Peak3...c/s=2062	Qual=1	FePeak=09:58				
HXIS				Peak...c/s=115	Code=01	Exp #=3887				Mac.=EKI FePeak.c/s=11 #Peaks=1 dt= 3.0s XEN=15906 Rast=240"x240" Step=20" Cad= 147s 1.024s/pixel
UVSP	09:42	10:01		Wavelength=1546A						Rast=120"x120" Step=3" Pitch=-316", Yaw=-332"
Event # = 692										
80/06/07	11:26	DOY=159								
	Start	Peak								
Optical				SMM Pointing:	S15E18					Pitch=-244", Yaw=-286", Roll=180deg
GOES	11:21	11:26	11:33	Importance=C6	Qual=01	AR2495				H. Ang=23deg
HXRBS	11:23:11	11:25:40	11:26:31	Peak...c/s=103	Qual=02	Tot Cts=7217				Mac.=DAO MaxkeV=54 Flags=SA

Event # = 693	DOY=159	SMM Pointing:	S15E17	Pitch=-246", Yaw=-268", Roll=180deg	H. Ang=23deg
80/06/07, 12:51	Peak	Ha...Class=SN	N12W75	Mac.=DAO	Carr. Lon.=89deg
Optical	End times	Importance=M1	Qual=05	MaxkeV=54	Flags=ES
GOES 12:20	12:51	Peak...c/s=113	Qual=03	Tot Cts=26305	
HXRBS 12:28:37	12:29:39				
Event # = 694	DOY=159	SMM Pointing:	S14E17	Pitch=-232", Yaw=-265", Roll=180deg	H. Ang=22deg
80/06/07, 14:01	Peak	Importance=C2	Qual=01	MaxkeV=54	
GOES 13:59	14:01	Peak...c/s=75	Qual=01		
HXRBS 13:58:49	13:59:05				
Event # = 695	DOY=159	SMM Pointing:	S14E15	Pitch=-232", Yaw=-239", Roll=180deg	H. Ang=21deg
80/06/07, 17:27	Peak	Importance=C1	Qual=01	MaxkeV=54	
GOES 17:24	17:27	Peak...c/s=78	Qual=01	Rast=240"x240"	Step=3" Pitch=-301", Yaw=-281"
HXRBS 17:27:48	17:27:58	WaveLength=3092A	Code=00	Exp #=3893	
UVSP 17:06					
80/06/08 DOY=160					
Event # = 696	DOY=160	SMM Pointing:	N00W00	Pitch=+0", Yaw=-3", Roll=180deg	H. Ang=0deg
80/06/08, 04:35	Peak	Importance=C5	Qual=01	MaxkeV=125	Flags=FS
GOES 04:26	04:35	Peak...c/s=438	Qual=01	Rast=120"x120"	Step=3" Pitch=-37", Yaw=-32"
HXRBS 04:27:05	04:28:10	WaveLength=1303A	Code=00	Tot Cts=8027	
UVSP 04:30				Exp #=3923	
Radio Sweeps	Type/Intensity:	III/2			
Radio Frequency(MHz)/Flux(sfu):	245/1000				
Event # = 697	DOY=160	SMM Pointing:	S14E08	Pitch=-233", Yaw=-129", Roll=180deg	H. Ang=16deg
80/06/08, 06:19	Peak	Importance=C1	Qual=01	MaxkeV=54	
GOES 06:15	06:19	Peak...c/s=78	Qual=01	Rast=120"x120"	Step=3" Pitch=-277", Yaw=-106"
HXRBS 06:16:30	06:17:10	WaveLength=1546A	Code=00	Exp #=3932	
UVSP 06:10					
Radio Sweeps	Type/Intensity:	III/2			
Event # = 698	DOY=160	SMM Pointing:	S14E07	Pitch=-233", Yaw=-114", Roll=180deg	H. Ang=16deg
80/06/08, 07:30	Peak	Importance=C2	Qual=01	MaxkeV=125	
GOES 07:23	07:30	Peak...c/s=142	Qual=01	Rast=3"x3"	Step=0" Pitch=-277", Yaw=-106"
HXRBS 07:27:15	07:27:30	WaveLength=1542A	Code=00	Tot Cts=1400	
UVSP 07:27				Exp #=3933	
Event # = 699	DOY=160	SMM Pointing:	S14E07	Pitch=-233", Yaw=-114", Roll=180deg	H. Ang=16deg
80/06/08, 10:36	Peak	Importance=M4	Qual=04	MaxkeV=125	Flags=SN, ES
GOES 10:25	10:36	Peak...c/s=347	Qual=04	Rast=120"x120"	Step=3" Pitch=-262", Yaw=-97"
HXRBS 10:36:10	10:36:45	WaveLength=1546A		Tot Cts=81640	
UVSP 09:55				Exp #=3940	
Radio Frequency(MHz)/Flux(sfu):	245/51	410/26	606/66	14.15/74	2695/68
				4995/140	8800/200
					15400/84

Event # = 700
 80/06/08,15:42 DOY=160 SMM Pointing: S12E01 Pitch=-201",Yaw=-18",Roll=180deg H.Ang=12deg
 Start Peak End times
 GOES 15:39 15:42 15:45 Qual=01
 HXRBS 15:34:50 15:35:00 15:35:10 Importance=C2
 UVSP Peak...c/s=84
 Radio Frequency(MHz)/Flux(sfu): 245/3300 410/18
 MaxkeV=54 Pitch=-251",Yaw=+23"

Event # = 20247
 80/06/08,17:02 DOY=160 SMM Pointing: S12E01 Pitch=-201",Yaw=-18",Roll=180deg H.Ang=12deg
 Optical
 GOES 16:53 17:02 17:50 Ha...Class=1B Carr. Lon.=354deg H.Ang=18deg
 BCS 17:00 17:00 Peak...c/s=419 XEN=16000
 UVSP
 Radio Frequency(MHz)/Flux(sfu): 245/90 410/59 606/32 1415/74 2695/120 4995/57 8800/37 15400/30
 Pitch=-251",Yaw=+51"

Event # = 701
 80/06/08,19:00 DOY=160 SMM Pointing: S12W00 Pitch=-202",Yaw=+5",Roll=180deg H.Ang=12deg
 Optical
 GOES 18:10 19:00 20:35 Code=ASR N14W90 H.Ang=90deg
 HXRBS 19:00:15 19:00:18 19:00:26 Importance=C2 Qual=03
 BCS 18:36 19:03 19:40 Peak...c/s=102 Qual=01 Tot Cts=1305
 FCS 19:08 19:08 CaPeak.c/s=31 Qual=6 FePeak=19:03
 UVSP
 Radio Sweeps Type/Intensity: IV/1
 MaxkeV=54 #Peaks=1 XEN=16007
 FePeak.c/s=10 Step=0" Cad=3840s 3840s/pixel
 Rast=0"x0" Pitch=-350",Yaw=-134"

Event # = 20218
 80/06/08,20:14 DOY=160 SMM Pointing: S12W01 Pitch=-202",Yaw=+10",Roll=180deg H.Ang=12deg
 GOES
 BCS 20:14 20:14 20:53 CaPeak.c/s=24 Qual=00
 FCS
 UVSP
 Radio Sweeps Type/Intensity: IV/1
 FePeak.c/s=5 #Peaks=1 XEN=16006
 Rast=0"x0" Step=0" Cad=.26s 0.256s/pixel
 Pitch=-339",Yaw=-106"

Event # = 702
 80/06/09,00:12 DOY=161 SMM Pointing: S12W04 Pitch=-202",Yaw=+63",Roll=180deg H.Ang=13deg
 Optical
 GOES 00:09 00:12 00:14 Ha...Class=SF S15W04 H.Ang=16deg
 HXRBS 00:11:04 00:11:22 00:12:07 Importance=C1 Qual=01 Carr. Lon.=358deg
 BCS 00:11 00:11 00:13 Peak...c/s=128 Qual=01 Tot Cts=2212
 UVSP CaPeak.c/s=27 Qual=1 FePeak=00:11
 Radio Sweeps Type/Intensity: III/3 XEN=16100
 Radio Frequency(MHz)/Flux(sfu): 245/480 410/570 606/460
 Pitch=-335",Yaw=-50"

Event # = 703
 80/06/09,01:09 DOY=161 SMM Pointing: S12W04 Pitch=-202",Yaw=+63",Roll=180deg H.Ang=13deg
 GOES 01:08 01:09 01:11 Importance=C1 Qual=01 H.Ang=13deg
 HXRBS 01:08:01 01:08:18 01:08:50 Peak...c/s=74 Qual=01
 UVSP 01:08 01:08 01:08 Wavelength=1546A Code=00 Exp #=3973
 Radio Frequency(MHz)/Flux(sfu): 410/160
 MaxkeV=54
 Rast=240"x240" Step=3" Pitch=-280",Yaw=+10"

Event # = 704
80/06/09, 01:14 DOY=161 Peak End times
SMM Pointing: S12W04 Pitch=-202", Yaw=+63", Roll=180deg H. Ang=13deg

GOES 01:13 01:14 01:15
HXRBs 01:13:08 01:13:33 01:13:47
UVSP 01:08
Radio Frequency(MHz)/Flux(sfu): 245/1000 410/250
Importance=C1 Qual=01
Peak...c/s=106 Qual=01
Wavelength=1546A Code=00 Tot Cts=375
MaxkeV=125 Rast=240"x240" Step=3" Pitch=-280", Yaw=+10"
Exp #=3973

Event # = 705
80/06/09, 01:43 DOY=161 Peak End times
SMM Pointing: S12W04 Pitch=-202", Yaw=+63", Roll=180deg H. Ang=13deg

GOES 01:41 01:43 01:51
HXRBs 01:41:49 01:42:42 01:42:59
UVSP 01:27
Radio Frequency(MHz)/Flux(sfu): 245/1000 410/250
Importance=C1 Qual=01
Peak...c/s=72 Qual=01
Wavelength=1548A Code=00 Tot Cts=375
MaxkeV=54 Rast=120"x120" Step=3" Pitch=-340", Yaw=-50"
Exp #=3975

Event # = 706
80/06/09, 02:52 DOY=161 Peak End times
SMM Pointing: S12W06 Pitch=-202", Yaw=+91", Roll=180deg H. Ang=14deg

GOES 02:48 02:52 02:54
HXRBs 02:51:16 02:51:30 02:51:43
BCS 02:51 02:51 02:53
FCS
UVSP 02:51
Radio Sweeps Type/Intensity:
Radio Frequency(MHz)/Flux(sfu): 245/1900 410/320 606/190
Importance=C1 Qual=01
Peak...c/s=1102 Qual=01
CaPeak.c/s=24 Qual=1
Wavelength=1542A Code=00 Exp #=3978
MaxkeV=258 FePeak.c/s=16 Tot Cts=6073
Rast=0"x0" Step=0" Cad=.26s
Rast=3"x3" Step=0" Pitch=-249", Yaw=-77"
Flags=FS #Peaks=1
XEN=16102
0.256s/pixel

Event # = 707
80/06/09, 02:57 DOY=161 Peak End times
SMM Pointing: S12W06 Pitch=-202", Yaw=+91", Roll=180deg H. Ang=14deg

GOES 02:55 02:57 02:58
HXRBs 02:55:22 02:57:16 02:58:03
BCS 02:57 02:57 02:59
FCS
UVSP 02:57
Radio Frequency(MHz)/Flux(sfu): 606/81
Importance=C1 Qual=01
Peak...c/s=174 Qual=01
CaPeak.c/s=25 Qual=1
Wavelength=1546A Code=02 Exp #=3979
MaxkeV=125 FePeak.c/s=11 Tot Cts=3515
Rast=0"x0" Step=0" Cad=.26s
Rast=120"x120" Step=3" Pitch=-249", Yaw=-22"
Flags=M #Peaks=1
XEN=16103
0.256s/pixel

Event # = 708
80/06/10, 03:07 DOY=162 Peak End times
SMM Pointing: S14W19 Pitch=+235", Yaw=-293", Roll=0deg H. Ang=23deg

Optical
GOES 02:43 03:07 03:18
HXRBs 02:52:56 02:54:53 02:55:56
UVSP 02:39
Radio Frequency(MHz)/Flux(sfu): 80/06/10 DOY=162
Ha...Class=SF S10E75 AR2507
Importance=C5 Qual=01
Peak...c/s=156 Qual=01
Wavelength=1546A Code=00 Tot Cts=4640
Mac.=CHO Carr.Lon.=264deg H. Ang=75deg
MaxkeV=54 Rast=30"x30" Step=10" Pitch=+275", Yaw=-287"
Exp #=4047

Event # = 709
80/06/10, 08:05 DOY=162 Peak End times
SMM Pointing: S14W21 Pitch=+235", Yaw=-331", Roll=0deg H. Ang=25deg

GOES 08:02 08:05 08:10
HXRBs 08:02:44 08:03:36 08:03:54
UVSP 07:51
Radio Frequency(MHz)/Flux(sfu): 80/06/10 DOY=162
Importance=C1 Qual=01
Peak...c/s=73 Qual=01
Wavelength=1546A Code=00 Exp #=4058
MaxkeV=54 Rast=120"x120" Step=3" Pitch=+250", Yaw=-322"
Exp #=4058

80/06/11		DOY=163	
Event # = 20248	80/06/11, 00:02	DOY=163	Peak
Optical	Start	End times	SMM Pointing:
Optical			Ha...Class=SF
GOES	23:30	01:00	Ha...Class=SN
BCS	23:32	00:25	Importance=C5
FCS	00:07		CaPeak.c/s=101
UVSP	23:41		Peak3...c/s=252
			Wavelength=1546A
			Code=00
			Exp #=4088
			Pitch=+235", Yaw=-460", Roll=0deg
			Mac.=DA0
			Carr. Lon.=274deg
			Carr. Lon.=1deg
			FePeak.c/s=19
			#Peaks=1
			dt=11.3s
			Rast=240"x240"
			Step=10"
			Cad=1180s
			Step=3"
			Pitch=+249", Yaw=-433"
			XEN=16200
			2.048s/pixel
Event # = 20220	80/06/11, 10:34	DOY=163	Peak
Optical	Start	End times	SMM Pointing:
GOES	10:29	10:46	N01W00
BCS	10:36	10:38	Importance=C2
FCS	10:37		CaPeak.c/s=27
UVSP	10:03		Peak3...c/s=13
			Wavelength=1346A
			Code=00
			Exp #=4116
			Pitch=+0", Yaw=-1", Roll=0deg
			Mac.=DS0
			Carr. Lon.=279deg
			Carr. Lon.=1deg
			FePeak.c/s=8
			#Peaks=1
			Rast=240"x240"
			Step=10"
			Cad=1180s
			Step=3"
			Pitch=+6", Yaw=+27"
			XEN=16300
			2.048s/pixel
Event # = 710	80/06/12, 01:32	DOY=164	Peak
Optical	Start	End times	SMM Pointing:
GOES	01:30	01:45	S14W33
HXRBS	01:30:10	01:30:30	N12E35
UVSP	01:09		Importance=C2
			Qual=01
			Peak...c/s=141
			Wavelength=1403A
			Code=00
			Tot Cts=2845
			Exp #=4149
			Pitch=+239", Yaw=-494", Roll=0deg
			Mac.=DS0
			Carr. Lon.=279deg
			MaxkeV=125
			Rast=40"x40"
			Step=4"
			Pitch=+271", Yaw=-651"
			H. Ang=35deg
			H. Ang=37deg
Event # = 4275	80/06/12, 06:01	DOY=164	Peak
Optical	Start	End times	SMM Pointing:
GOES	05:57	06:07	S14W36
HXRBS	05:59:25	05:59:46	S16E43
UVSP	05:57		Importance=C2
			Qual=01
			Peak...c/s=93
			Wavelength=1401A
			Code=00
			Tot Cts=5494
			Exp #=4205
			Pitch=+236", Yaw=-534", Roll=0deg
			Mac.=DK0
			Carr. Lon.=268deg
			MaxkeV=54
			Rast=20"x20"
			Flags=1
			Step=4"
			Pitch=+258", Yaw=-669"
			H. Ang=38deg
			H. Ang=46deg
Event # = 711	80/06/12, 22:08	DOY=164	Peak
Optical	Start	End times	SMM Pointing:
GOES	22:07	22:23	S14W44
HXRBS	22:06:10	22:07:25	N12E24
UVSP	22:03		Importance=C4
			Qual=01
			Peak...c/s=453
			Wavelength=1546A
			Code=00
			Tot Cts=5494
			Exp #=4205
			Pitch=+238", Yaw=-642", Roll=0deg
			Mac.=DS0
			Carr. Lon.=279deg
			MaxkeV=125
			Rast=6"x6"
			Step=3"
			Pitch=+230", Yaw=-705"
			H. Ang=46deg
			H. Ang=26deg
Radio	Sweeps	Type/Intensity:	
	Frequency (MHz)/Flux(sfu):	245/26 2695/26 4995/39 8800/61 15400/31	

Event # = 713
 80/06/13,02:59 Start DOY=165 Peak
 SMM Pointing: S14W47 Pitch=+237", Yaw=-675", Roll=0deg H. Ang=49deg
 Optical Ha...Class=SF S13W51 AR2507 Carr. Lon.=351deg H. Ang=52deg
 GOES 02:56 02:59 03:03 Importance=C2 Qual=01 MaxkeV=125
 HXRBS 02:57:56 02:58:28 02:59:16 Peak...c/s=388 Qual=01 Rast=40"x40" Step=4" Pitch=+258", Yaw=-775"
 UVSP 02:44 Wavelength=1401A Code=00 Exp #=4217
 Radio Frequency(MHz)/Flux(sfu): 245/370 410/700 606/68 1415/18 2695/46 4995/120 8800/190 15400/89
 HXRBS 02:56:56 02:57:07 02:57:16 Peak...c/s=138 Associated Event # = 712
 Qual=01 Tot Cts=1913 MaxkeV=55

Event # = 714
 80/06/13,06:22 Start DOY=165 Peak
 SMM Pointing: N17E20 Pitch=-260", Yaw=+307", Roll=0deg H. Ang=25deg
 Optical Ha...Class=SN S17E25 AR2502 Carr. Lon.=273deg H. Ang=30deg
 GOES 06:19 06:22 06:33 Importance=C2 Qual=01
 HXRBS 06:21:21 06:22:25 06:23:41 Peak...c/s=112 Qual=01 Tot Cts=2412 XEN=16502
 BCS 06:21 06:23 06:36 CaPeak.c/s=78 Qual=1 FePeak=06:22 Rast=180"x180" Step=10" Cad= 332s XEN=16502
 FCS Peak3...c/s=384 Rast=20"x20" Step=4" Pitch=-296", Yaw=+360"
 HXIS Peak...c/s=168 Exp #=4228
 UVSP Wavelength=1401A Code=00

Event # = 715
 80/06/13,08:25 Start DOY=165 Peak
 SMM Pointing: N17E20 Pitch=-264", Yaw=+303", Roll=0deg H. Ang=25deg
 Optical Ha...Class=1B S14E33 AR2507 Carr. Lon.=264deg H. Ang=36deg
 GOES 08:09 08:25 08:43 Importance=C7 Qual=03
 HXRBS 08:11:35 08:12:22 08:22:15 Peak...c/s=227 Qual=01 Tot Cts=25687 XEN=16503
 UVSP 07:48 Wavelength=1333A Code=00 Exp #=4234 Rast=120"x120" Step=3" Pitch=-395", Yaw=+323"
 Radio Frequency(MHz)/Flux(sfu): 2695/15

Event # = 20249
 80/06/13,12:52 Start DOY=165 Peak
 SMM Pointing: N17E16 Pitch=-260", Yaw=+253", Roll=0deg H. Ang=23deg
 Optical Ha...Class=SN N12E16 AR2511 Carr. Lon.=278deg H. Ang=19deg
 GOES 12:47 12:52 12:55 Importance=C2 Qual=01 FePeak=12:52 dt= 5.6s XEN=16503
 BCS 12:50 12:52 12:54 CaPeak.c/s=39 Qual=1 FePeak=12:52 Cad= 147s XEN=16503
 FCS Peak3...c/s=669 Rast=120"x120" Step=10" Cad= 147s XEN=16503
 HXIS Peak...c/s=67 Rast=240"x240" Step=3" Pitch=-325", Yaw=+223"
 UVSP 12:45 Wavelength=3092A Code=00 Exp #=4248

Event # = 20221
 80/06/13,14:17 Start DOY=165 Peak
 SMM Pointing: N17E17 Pitch=-264", Yaw=+263", Roll=0deg H. Ang=23deg
 Optical Ha...Class=S8 N18E15 AR2502 Carr. Lon.=279deg H. Ang=23deg
 GOES 14:13 14:17 15:02 Importance=C8 Qual=01 FePeak=14:25 XEN=16504
 BCS 14:25 14:26 14:32 CaPeak.c/s=33 Qual=5 FePeak=14:25 Step=0" Cad=3840s
 FCS Peak3...c/s=37

Event # = 20246		SMM Pointing:		NO1W00		Pitch=+3", Yaw=-8", Roll=0deg		H. Ang=1deg	
80/06/14,06:00	DOY=166	Start	End times	Qual=06					
	Peak			Qual=5					
GOES	06:00	06:13	CaPeak.c/s=45	FePeak=06:01	#Peaks=1	FePeak.c/s=16	XEN=16601		
BCS	06:02		Peak3..c/s=21	Exp #=4296		Rast=240"x240"	Cad= 262s		
FCS			Wavelength=1338A			Rast=10"x10"	Step=0"		
UVSP	05:57						Pitch=-71", Yaw=-49"		
Event # = 718		SMM Pointing:		NO1W00		Pitch=+0", Yaw=+0", Roll=0deg		H. Ang=0deg	
80/06/14,13:47	DOY=166	Start	End times	NO1W63					
	Peak			Qual=06					
Optical			Ha...Class=SB	AR2506		Mac.=CSO	Carr. Lon.=344deg		
GOES	13:43:25	13:53:25	Peak...c/s=108	Tot Cts=24841		MaxkeV=125	Flags=ES		
HXRBS	14:19		Wavelength=1542A	Exp #=4324		Rast=3"x3"	Step=0"		
UVSP							Pitch=+6", Yaw=+27"		
Event # = 719		SMM Pointing:		NO1W00		Pitch=+2", Yaw=-6", Roll=0deg		H. Ang=0deg	
80/06/14,17:01	DOY=166	Start	End times	S10E59					
	Peak			Qual=06					
Optical			Ha...Class=1B	AR2515		Carr. Lon.=220deg			
GOES	16:58:00	17:01:40	Peak...c/s=508	Tot Cts=21518		MaxkeV=259	Pitch=-56", Yaw=+63"		
HXRBS	16:58		Wavelength=1348A	Exp #=4337		Rast=180"x1"			
UVSP									
Radio Sweeps			Type/Intensity:						
Radio Frequency (MHz)/Flux(sfu):			410/30 606/22 1415/26 2695/58 4995/39 8800/16						
80/06/15 DOY=167									
Event # = 720		SMM Pointing:		N17W07		Pitch=-257", Yaw=-109", Roll=0deg		H. Ang=17deg	
80/06/15,04:14	DOY=167	Start	End times	Qual=06					
	Peak			Qual=01					
GOES	04:10:05	04:14:15	Peak...c/s=88	Tot Cts=4141		MaxkeV=259	Pitch=-322", Yaw=-134"		
HXRBS	04:13		Wavelength=1549A	Exp #=4385		Rast=240"x240"			
UVSP									
Event # = 721		SMM Pointing:		N17W07		Pitch=-257", Yaw=-109", Roll=0deg		H. Ang=17deg	
80/06/15,04:26	DOY=167	Start	End times	Qual=06					
	Peak			Qual=01					
GOES	04:23:40	04:26:25	Peak...c/s=438	Tot Cts=53530		MaxkeV=125	Pitch=-322", Yaw=-134"		
HXRBS	04:13		Wavelength=1549A	Exp #=4385		Rast=240"x240"			
UVSP									
Radio Sweeps			Type/Intensity:						
Radio Frequency (MHz)/Flux(sfu):			410/30 606/22 1415/26 2695/58 4995/39 8800/16						
80/06/15 DOY=167									
Event # = 722		SMM Pointing:		N17W09		Pitch=-258", Yaw=-135", Roll=0deg		H. Ang=18deg	
80/06/15,07:59	DOY=167	Start	End times	Qual=06					
	Peak			Qual=01					
GOES	08:00:20	08:00:40	Peak...c/s=174	Tot Cts=1898		MaxkeV=55	Pitch=-267", Yaw=-160"		
HXRBS	07:59		Peak...c/s=149	Exp #=4394		Rast=3"x3"			
HXIS	07:56		Wavelength=1542A						
UVSP									
Event # = 723		SMM Pointing:		N17W09		Pitch=-258", Yaw=-135", Roll=0deg		H. Ang=18deg	
80/06/15,08:02	DOY=167	Start	End times	Qual=06					
	Peak			Qual=01					
GOES	08:02:40	08:02:55	Peak...c/s=76	Exp #=4395		MaxkeV=55	Pitch=-267", Yaw=-160"		
HXRBS	08:01		Wavelength=1549A			Rast=120"x120"			
UVSP									

Event # = 724												
80/06/15, 08:13	DOY=167	SMM Pointing:			N17W09	Pitch=-260", Yaw=-144", Roll=0deg			H. Ang=18deg			
Start	Peak	End times										
GOES						Qual=06						
HXRBS	08:13:10	08:13:35	08:14:37	Peak...c/s=88								
UVSP	08:01			Wavelength=1549A								
				Exp #=4395								
Event # = 725												
80/06/15, 11:32	DOY=167	SMM Pointing:			N17W11	Pitch=-259", Yaw=-166", Roll=0deg			H. Ang=19deg			
Start	Peak	End times										
GOES						Qual=06						
HXRBS	11:31:30	11:32:15	11:33:20	Peak...c/s=195			Flags=EN					
UVSP	11:31			Wavelength=1347A			Step=3"			Pitch=-262", Yaw=-137"		
				Tot Cts=4380								
				Exp #=4408								
Event # = 726												
80/06/15, 13:05	DOY=167	SMM Pointing:			N17W11	Pitch=-259", Yaw=-166", Roll=0deg			H. Ang=19deg			
Start	Peak	End times										
Optical						Code=EPL						
GOES						S18E90				H. Ang=90deg		
HXRBS	13:05:05	13:05:25	13:06:36	Peak...c/s=90								
UVSP	12:40			Wavelength=1333A								
Radio	Frequency(MHz)/Flux(sfu): 1415/22 2695/36 4995/26 8800/20											
Event # = 727												
80/06/15, 14:39	DOY=167	SMM Pointing:			N17W12	Pitch=-260", Yaw=-195", Roll=0deg			H. Ang=20deg			
Start	Peak	End times										
GOES						Qual=06						
HXRBS	14:39:30	14:39:55	14:40:45	Peak...c/s=99								
UVSP	14:22			Wavelength=1399A								
				Exp #=4412								
Event # = 728												
80/06/15, 15:31	DOY=167	SMM Pointing:			N17W12	Pitch=-260", Yaw=-195", Roll=0deg			H. Ang=20deg			
Start	Peak	End times										
GOES						Qual=06						
HXRBS	15:30:25	15:31:55	15:32:05	Peak...c/s=90								
UVSP	15:24			Wavelength=1546A								
Radio	Frequency(MHz)/Flux(sfu): 245/360 410/60											
Event # = 729												
80/06/15, 18:44	DOY=167	SMM Pointing:			N17W13	Pitch=-260", Yaw=-210", Roll=0deg			H. Ang=21deg			
Start	Peak	End times										
Optical						Ha...Class=SN						
GOES						S09E82				H. Ang=82deg		
HXRBS	18:44:03	18:44:57	18:47:01	Peak...c/s=307			Carr. Lon.=183deg					
UVSP	18:44			Wavelength=1542A								
				Tot Cts=9506								
				Exp #=4424			Step=0"			Pitch=-308", Yaw=-229"		
Event # = 730												
80/06/15, 20:28	DOY=167	SMM Pointing:			N17W15	Pitch=-262", Yaw=-240", Roll=0deg			H. Ang=22deg			
Start	Peak	End times										
Optical						Ha...Class=SF						
GOES						S09E77				H. Ang=77deg		
HXRBS	20:28:00	20:28:41	20:29:50	Peak...c/s=100			Carr. Lon.=187deg					
UVSP	20:25			Wavelength=1546A								
				Tot Cts=828								
				Exp #=4429			Step=3"			Pitch=-324", Yaw=-270"		

80/06/16 DOY=168

Event # = 731
 80/06/16,21:55 Start DOY=168 Peak
 SMM Pointing: N01W00 Pitch=-1",Yaw=-1",Roll=0deg H.Ang=0deg

Optical AR2517 Mac.=DSI
 GOES 21:40 21:55 22:03 Importance=C2 Qual=01
 HXRBS 21:44:16 21:45:56 21:50:16 Peak...c/s=103 Qual=01 Tot Cts=8729 Flags=M
 UVSP 21:53 21:53 21:53 Wavelength=1401A Code=00 Exp #=4496 Rast=120"x120" Step=4" Pitch=+6",Yaw=-111"

Event # = 732
 80/06/16,23:38 Start DOY=168 Peak
 SMM Pointing: N01W00 Pitch=+0",Yaw=+0",Roll=0deg H.Ang=0deg

Optical AR2517 Mac.=DSI Carr.Lon.=182deg H.Ang=68deg
 GOES 23:27 23:38 23:45 Ha...Class=SF S09E67 Qual=01
 HXRBS 23:27:47 23:31:16 23:35:07 Importance=C3 Qual=01
 UVSP 23:30 23:30 23:30 Peak...c/s=100 Qual=01 Tot Cts=55719
 Wavelength=1401A Code=00 Exp #=4499 Rast=120"x120" Step=4" Pitch=-25",Yaw=-111"

80/06/17 DOY=169

Event # = 733
 80/06/17,00:20 Start DOY=169 Peak
 SMM Pointing: S11E68 Pitch=+216",Yaw=+923",Roll=0deg

Optical AR2517 Mac.=CAO Carr.Lon.=180deg H.Ang=69deg
 GOES 00:03 00:20 00:45 Ha...Class=SN S11E68 Qual=02
 HXRBS 00:03:40 00:16:03 00:20:40 Importance=C9 Qual=01
 BCS 00:14 00:18 00:19 Peak...c/s=105 Qual=01 Tot Cts=11561
 HXIS 00:17 00:17 00:19 CaPeak.c/s=260 Qual=2 FePeak=00:18
 UVSP 00:55 00:55 00:55 Peak...c/s=331 Wavelength=1399A Exp #=4500
 Rast=4"x4" Step=0" Pitch=+157",Yaw=+858"

Event # = 20256
 80/06/17,01:01 Start DOY=169 Peak
 SMM Pointing: S13E82 Pitch=+213",Yaw=+914",Roll=0deg H.Ang=83deg

GOES 00:50 01:01 01:20 Importance=C6 Qual=04
 BCS 00:52 00:53 01:55 CaPeak.c/s=156 Qual=4
 FCS 01:01 01:01 01:55 Peak3...c/s=468 FePeak=00:53
 HXIS 00:52 00:52 01:55 Peak...c/s=219
 UVSP 00:55 00:55 01:55 Wavelength=1399A Code=00 Exp #=4500
 Rast=4"x4" Step=0" Pitch=+157",Yaw=+858"

Event # = 20257
 80/06/17,01:58 Start DOY=169 Peak
 SMM Pointing: S13E82 Pitch=+213",Yaw=+914",Roll=0deg H.Ang=83deg

GOES 01:47 01:58 02:15 Importance=C3 Qual=02
 HXIS 01:49 01:49 02:15 Peak...c/s=76
 UVSP 02:31 02:31 02:15 Wavelength=1338A Exp #=4504
 Rast=10"x10" Step=0" Pitch=+157",Yaw=+858"

Event # = 20258
 80/06/17,06:16 Start DOY=169 Peak
 SMM Pointing: S13E86 Pitch=+212",Yaw=+920",Roll=0deg H.Ang=86deg

Optical AR2514 Mac.=CS0 Carr.Lon.=221deg H.Ang=28deg
 GOES 06:10 06:16 06:32 Ha...Class=SF N16E24 Qual=01
 BCS 06:16 06:21 06:24 Importance=C1 Qual=1
 FCS 06:22 06:22 06:24 CaPeak.c/s=30 Qual=1 FePeak=06:21
 UVSP 06:07 06:07 06:22 Peak3...c/s=225 Wavelength=1347A Code=00 Exp #=4523
 Rast=250"x250" Step=10" Pitch=+157",Yaw=+858" dt=5.6s XEN=16902
 Cad=590s 1.024s/pixel

Event # = 20259	80/06/17 12:28	DOY=169	Start	End times	SMM Pointing:	S13E86	Pitch=+213", Yaw=+920", Roll=0deg	H.Ang=87deg
Optical		Peak			Ha...Class=SF			
GOES	11:59	12:28	13:11	13:11	Importance=C2	AR2519	Carr. Lon.=178deg	H.Ang=66deg
BCS	12:36	12:36	12:52	12:52	CaPeak.c/s=13			
UVSP	12:34				Wavelength=1346A	Code=02	Step=0"	Pitch=+227", Yaw=+932"
						Exp #=4541		
Event # = 734	80/06/17 21:34	DOY=169	Start	End times	SMM Pointing:	S12E53	Pitch=+211", Yaw=+743", Roll=0deg	H.Ang=55deg
GOES	21:28	21:34	21:50	21:50	Importance=C1	Qual=05		
HXRBS	21:43:20	21:44:50	22:02:50	22:02:50	Peak...c/s=70	Qual=01	MaxkeV=126	
UVSP	21:40				Wavelength=1397A	Code=02	Rast=4" x4"	Pitch=+220", Yaw=+753"
						Exp #=4569	Step=0"	
Event # = 20254	80/06/17 23:46	DOY=169	Start	End times	SMM Pointing:	S12E52	Pitch=+209", Yaw=+726", Roll=0deg	H.Ang=53deg
GOES	23:29	23:46	01:00	01:00	Importance=C2	Qual=03		
BCS	23:34	23:44	23:56	23:56	CaPeak.c/s=32	Qual=1	FePeak=23:44	
FCS		23:40			Peak3...c/s=29	Code=00	Rast=240" x240"	#Peaks=1 dt=11.3s XEN=16903
UVSP	23:30				Wavelength=1401A	Code=00	Rast=28" x28"	Cad= 590s 1.024s/pixel
						Exp #=4574	Pitch=+4"	Pitch=+269", Yaw=+785"
Event # = 735	80/06/18 18:58	DOY=170	Start	End times	SMM Pointing:	N01W00	Pitch=+2", Yaw=+3", Roll=0deg	H.Ang=0deg
Optical		Peak			Ha...Class=SF			
GOES	18:51	18:58	19:21	19:21	Importance=C3	Qual=01	Mac.=DK0	Carr. Lon.=182deg
HXRBS	18:52:10	18:53:40	18:54:40	18:54:40	Peak...c/s=83	Qual=01	MaxkeV=55	H.Ang=45deg
UVSP	18:36				Wavelength=1333A	Code=00	Rast=120" x120"	Step=3" Pitch=+6", Yaw=+28"
						Exp #=4630		
Event # = 20675	80/06/18 20:08	DOY=170	Start	End times	SMM Pointing:	S10E42	Pitch=+182", Yaw=+618", Roll=0deg	H.Ang=43deg
Optical		Peak			Code=SPY	N08E90		
GOES	20:04				Wavelength=1338A	Qual=00	Carr. Lon.=134deg	H.Ang=90deg
UVSP	20:08				PA=66deg		Step=0"	Pitch=+195", Yaw=+637"
C/P	20:08	Extrap	St=06/18,19:05				Rast=10" x10"	
Event # = 4265	80/06/18 21:41	DOY=170	Start	End times	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H.Ang=43deg
GOES	21:39:40	21:41:51	21:47:56	21:47:56	Peak...c/s=100	Qual=00	Flags=I	
HXRBS	21:39				Wavelength=1338A	Qual=01	Step=0"	Pitch=+133", Yaw=+561"
UVSP	21:39					Exp #=4640		
Event # = 736	80/06/18 22:30	DOY=170	Start	End times	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H.Ang=43deg
Optical		Peak			Ha...Class=SN	S19E51		
GOES	22:27	22:30	22:36	22:36	Importance=C1	Qual=04	Mac.=HSX	Carr. Lon.=172deg
HXRBS	22:29:21	22:29:57	22:30:21	22:30:21	Peak...c/s=82	Qual=01	MaxkeV=126	H.Ang=54deg
UVSP	22:29				Wavelength=1347A	Code=00	Rast=250" x250"	Step=10" Pitch=+133", Yaw=+561"
Radio Sweeps			Type/Intensity:		III/2			

Event # = 737	DOY=170	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H. Ang=43deg
80/06/18, 23:17	Peak		Qual=00		
GOES	23:17:00	Peak...c/s=74	Qual=01	MaxkeV=55	
HXRBS	23:17:17	Wavelength=1338A		Rast=10"x10"	Pitch=+133", Yaw=+561"
UVSP	23:15		Exp #=4648	Step=0"	
Event # = 738	DOY=170	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H. Ang=43deg
80/06/18, 23:24	Peak		S30E62	Mac. =AXX	H. Ang=67deg
Optical	23:24	Ha...Class=SF	AR2523	Carr. Lon.=160deg	
GOES	23:21	Importance=C2			
HXRBS	23:22:18	Peak...c/s=85		MaxkeV=55	
UVSP	23:23	Wavelength=1346A	Exp #=4650	Rast=10"x235"	Pitch=+133", Yaw=+561"
Event # = 739	DOY=170	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H. Ang=43deg
80/06/18, 23:37	Peak		S27E63	Mac. =DSI	H. Ang=67deg
Optical	23:37	Ha...Class=SF	AR2522	Carr. Lon.=159deg	
GOES	23:37	Importance=C2			
HXRBS	23:36:59	Peak...c/s=343		MaxkeV=259	Flags=FS
UVSP	23:30	Wavelength=1347A	Tot Cts=6315	Rast=250"x250"	Step=10"
Radio		Frequency(MHz)/Flux(sfu):	Exp #=4651		Pitch=+133", Yaw=+561"
		1415/83			
80/06/19 DOY=171					
Event # = 741	DOY=171	SMM Pointing:	S10E41	Pitch=+183", Yaw=+616", Roll=0deg	H. Ang=43deg
80/06/19, 00:09	Peak		Qual=01		
GOES	00:06	Importance=C2		MaxkeV=126	
HXRBS	00:07:35	Peak...c/s=129		Rast=250"x250"	Step=10"
UVSP	00:05	Wavelength=1347A	Tot Cts=1115		Pitch=+133", Yaw=+561"
		Associated	Exp #=4655		
		Event # = 740			
HXRBS	00:02:38	Peak...c/s=87	Tot Cts=2266	MaxkeV=126	
UVSP	00:02	Wavelength=1346A	Exp #=4654	Rast=250"x250"	Step=10"
					Pitch=+133", Yaw=+561"
Event # = 742	DOY=171	SMM Pointing:		Pitch=+2", Yaw=+1141", Roll=0deg	
80/06/19, 01:34	Peak		Qual=01		
GOES	01:30	Importance=C1		MaxkeV=55	
HXRBS	01:34:05	Peak...c/s=86		Rast=3"x3"	Step=0"
UVSP	01:24	Wavelength=2809A	Exp #=4656		Pitch=+422", Yaw=+33"
Event # = 743	DOY=171	SMM Pointing:	N02W00	Pitch=-2", Yaw=+6", Roll=0deg	H. Ang=0deg
80/06/19, 02:19	Peak		Qual=05		
GOES	02:16	Importance=C3		MaxkeV=55	
HXRBS	02:23:47	Peak...c/s=71	Exp #=4658	Rast=3"x3"	Pitch=+196", Yaw=+595"
UVSP	02:30	Wavelength=1542A			
Event # = 20260	DOY=171	SMM Pointing:	S10E37	Pitch=+185", Yaw=+558", Roll=0deg	H. Ang=38deg
80/06/19, 04:08	Peak		Qual=05		
GOES	03:54	Importance=C2		FePeak.c/s=11	#Peaks=1
BCS	04:12	CapPeak.c/s=23	Qual=1	Rast=240"x240"	Step=10"
FCS	04:12	Peak3...c/s=65		Rast=3"x3"	Step=0"
UVSP	04:05	Wavelength=1542A	Code=00	Exp #=4662	
					XEN=17100
					Cad= 590s
					Pitch=+155", Yaw=+539"

Event # = 744										
80/06/19,04:32	D0Y=171							Pitch=+185", Yaw=+558", Roll=0deg		H. Ang=38deg
Start	Peak									
GOES 04:25	04:32	End times								
HXRBS 04:27:08	04:29:07	04:29:49								
UVSP 04:30								MaxkeV=126		
								Rast=120"x120"	Step=3"	Pitch=+158", Yaw=+550"
SMM Pointing:	S10E37									
Importance=C2	Qual=01									
Peak...c/s=64	Qual=01									
Wavelength=1546A	Code=00	Exp #=4665								
Event # = 745										
80/06/19,05:01	D0Y=171							Pitch=+185", Yaw=+558", Roll=0deg		H. Ang=38deg
Start	Peak									
GOES 04:58	05:01	End times								
HXRBS 05:00:18	05:00:19	05:01:04								
UVSP 04:30										
Radio Frequency(MHz)/Flux(sfu):	2695/23	8800/66								
SMM Pointing:	S10E37									
Importance=C2	Qual=03									
Peak...c/s=136	Qual=01	Tot Cts=1089								
Wavelength=1546A	Code=00	Exp #=4665								
Event # = 746										
80/06/19,06:05	D0Y=171							Pitch=+182", Yaw=+548", Roll=0deg		H. Ang=38deg
Start	Peak									
GOES 06:01	06:05	End times								
BCS 06:04	06:04	06:06								
FCS 06:04	06:05	06:06								
UVSP 05:57										
Radio Frequency(MHz)/Flux(sfu):	590s									
SMM Pointing:	S10E36									
Importance=C2	Qual=01									
CaPeak.c/s=22	Qual=1	FePeak=06:04								
Peak3...c/s=22	Code=00	Exp #=4667								
Wavelength=1546A	Code=00									
Event # = 20261										
80/06/19,07:32	D0Y=171							Pitch=+182", Yaw=+534", Roll=0deg		H. Ang=37deg
Start	Peak									
Optical										
GOES 07:11	07:32	End times								
BCS 07:30	07:42	08:01								
FCS 07:48	07:48	08:04								
HXIS 07:43	07:43									
UVSP 07:27										
Radio Frequency(MHz)/Flux(sfu):	590s									
SMM Pointing:	S10E35									
Importance=C5	Qual=04									
CaPeak.c/s=80	Qual=4	FePeak=07:41								
Peak3...c/s=341	Code=00	Exp #=4670								
Peak...c/s=141	Code=00									
Wavelength=1542A	Code=00									
Event # = 20255										
80/06/19,08:09	D0Y=171							Pitch=+182", Yaw=+534", Roll=0deg		H. Ang=37deg
Start	Peak									
GOES 08:06	08:09	End times								
BCS 08:09	08:12	08:20								
FCS 08:09	08:09	08:13								
UVSP 07:53										
Radio Frequency(MHz)/Flux(sfu):	590s									
SMM Pointing:	S10E35									
Importance=C3	Qual=03									
CaPeak.c/s=21	Qual=2	FePeak=08:12								
Peak3...c/s=100	Code=00	Exp #=4673								
Wavelength=1546A	Code=00									
Event # = 746										
80/06/19,16:02	D0Y=171							Pitch=+184", Yaw=+477", Roll=0deg		H. Ang=33deg
Start	Peak									
GOES 15:53	16:02	End times								
HXRBS 15:55:06	15:56:38	16:16								
UVSP 15:31	15:58:31									
Radio Frequency(MHz)/Flux(sfu):	2665									
SMM Pointing:	S10E31									
Importance=C4	Qual=01									
Peak...c/s=103	Qual=01	Tot Cts=2665								
Wavelength=1401A	Code=00	Exp #=4693								
Event # = 747										
80/06/19,18:41	D0Y=171							Pitch=+1", Yaw=+4", Roll=0deg		H. Ang=0deg
Start	Peak									
Optical										
GOES 18:30	18:41	End times								
HXRBS 18:31:49	18:39:01	18:40:29								
UVSP 18:34										
Radio Frequency(MHz)/Flux(sfu):	245/26	410/57								
SMM Pointing:	N02W00									
Ha...Class=1B	S27E41									
Importance=M1	Qual=01	AR2522								
Peak...c/s=1317	Qual=01	Tot Cts=63347								
Wavelength=1333A	Code=00	Exp #=4699								
245/26	410/57	606/40								
1415/100	2695/190	4995/160								
8800/150	15400/52									

Event # = 755
 80/06/20,04:58 Start DOY=172 Peak
 Optical S10E24 SMM Pointing: H.Ang=26deg
 Optical S10E19 Ha...Class=IN AR2516 Carr. Lon.=187deg
 Optical S11E66 Ha...Class=SF AR2525 Carr. Lon.=140deg
 GOES 04:45 04:58 05:16 Importance=C5 Qual=03 Tot Cts=4689
 HXRBS 04:50:06 04:51:17 04:52:26 Peak...c/s=165 Qual=01 FePeak=04:49
 BCS 04:47 04:49 04:59 CaPeak.c/s=61 Qual=1
 FCS 04:52 04:49 04:59 Peak3...c/s=193
 HXIS 04:49 04:49 04:49 Peak...c/s=112
 UVSP 04:29 04:44:57 04:45:09 04:45:57 Wavelength=1546A Code=00 Exp #=4737
 HXRBS 04:44:57 04:45:09 04:45:57 Associated Event # = 753
 HXRBS 04:46:54 04:47:32 04:48:34 Peak...c/s=109 Qual=01 Tot Cts=623
 HXRBS 04:46:54 04:47:32 04:48:34 Peak...c/s=143 Associated Event # = 754
 HXRBS 04:46:54 04:47:32 04:48:34 Peak...c/s=143 Qual=01 Tot Cts=929

Event # = 20264
 80/06/20,07:43 Start DOY=172 Peak
 Optical S10E22 SMM Pointing: H.Ang=25deg
 Optical S10E22 Ha...Class=IN AR2516 Carr. Lon.=187deg
 Optical S11E66 Ha...Class=SF AR2525 Carr. Lon.=140deg
 GOES 07:28 07:43 08:00 Importance=C3 Qual=01 FePeak=07:42
 BCS 07:38 07:42 07:50 CaPeak.c/s=33 Qual=1
 FCS 07:30 07:42 07:47 Peak3...c/s=93
 UVSP 07:30 07:42 07:47 Wavelength=1546A Code=00 Exp #=4743
 BCS 07:50 07:53 07:56 Associated Event # = 20273
 FCS 07:50 07:53 07:56 Qual=2 FePeak=07:53
 UVSP 07:51 07:53 07:59 CaPeak.c/s=27 Qual=1
 BCS 07:59 07:59 07:59 Peak3...c/s=56 Exp #=4745
 UVSP 07:51 07:59 07:59 Wavelength=1546A Associated Event # = 20277
 BCS 07:59 07:59 07:59 CaPeak.c/s=20 Qual=1 FePeak=07:59
 UVSP 07:51 07:59 07:59 Wavelength=1546A Exp #=4745

Event # = 20279
 80/06/20,08:09 Start DOY=172 Peak
 Optical S10E22 SMM Pointing: H.Ang=25deg
 Optical S10E22 Ha...Class=IN AR2516 Carr. Lon.=187deg
 Optical S11E66 Ha...Class=SF AR2525 Carr. Lon.=140deg
 GOES 08:02 08:09 08:11 Importance=C3 Qual=01 FePeak=08:09
 BCS 08:02 08:09 08:11 CaPeak.c/s=27 Qual=2
 FCS 08:07 08:07 08:11 Peak3...c/s=66
 UVSP 07:51 08:07 08:11 Wavelength=1546A Exp #=4745

Event # = 20265
 80/06/20,09:32 Start DOY=172 Peak
 Optical S10E21 SMM Pointing: H.Ang=24deg
 Optical S10E21 Ha...Class=IN AR2516 Carr. Lon.=187deg
 Optical S11E66 Ha...Class=SF AR2525 Carr. Lon.=140deg
 GOES 09:27 09:32 10:01 Importance=C4 Qual=01
 UVSP 09:29 09:32 10:01 Wavelength=1542A Code=00 Exp #=4748

Event # = 20266
 80/06/20,11:54 Start DOY=172 Peak
 Optical S10E20 SMM Pointing: H.Ang=23deg
 Optical S10E20 Ha...Class=IB AR2522 Carr. Lon.=170deg
 GOES 11:43 11:54 12:34 Importance=C8 Qual=04
 HXIS 11:54 11:58 12:28 Peak...c/s=84
 UVSP 12:28 11:58 12:28 Wavelength=1542A Exp #=4754

Event # = 756
 80/06/20,13:08 DOY=172 SMM Pointing: S10E19 Pitch=+189",Yaw=+310",Roll=0deg H.Ang=23deg
 Start Peak
 GOES 12:52 13:20 Importance=C3 Qual=02
 HXRBS 12:54:18 12:55:26 Peak...c/s=92 Qual=01 MaxkeV=55
 UVSP 12:53 12:55:58 Wavelength=1546A Exp #=4757 Rast=120"x120" Step=3" Pitch=+193",Yaw=+298"

Event # = 757
 80/06/20,18:32 DOY=172 SMM Pointing: S13E82 Pitch=+211",Yaw=+914",Roll=0deg H.Ang=83deg
 Start Peak
 GOES 18:30 18:32 Importance=C2 Qual=01
 HXRBS 18:32:00 18:32:17 Peak...c/s=92 Qual=01 MaxkeV=55
 UVSP 18:31 18:32:52 Wavelength=1401A Code=00 Exp #=4777 Rast=240"x240" Step=4" Pitch=+147",Yaw=+848"

Event # = 758
 80/06/20,20:11 DOY=172 SMM Pointing: S28E38 Pitch=+469",Yaw=+518",Roll=0deg H.Ang=48deg
 Start Peak
 Optical S28E31 Carr. Lon.=167deg H.Ang=42deg
 GOES 20:00 20:11 Ha...Class=SF S28E31
 HXRBS 20:09:45 20:10:13 Importance=C3 Qual=01
 BCS 20:06 20:09 Peak...c/s=215 Qual=01
 FCS 20:09 20:09 CaPeak.c/s=42 Qual=1 Tot Cts=2300
 UVSP 20:10 20:09 Peak3...c/s=206 Wavelength=1401A Code=00 Exp #=4781 FePeak=20:09
 BCS 20:03 20:03 Associated Event # = 20280
 UVSP 19:58 20:03 CaPeak.c/s=19 Qual=1 FePeak=20:03
 Wavelength=1397A Exp #=4779

Event # = 759
 80/06/20,20:24 DOY=172 SMM Pointing: S28E39 Pitch=+462",Yaw=+529",Roll=0deg H.Ang=48deg
 Start Peak
 GOES 20:20 20:24 Importance=C3 Qual=01
 HXRBS 20:21:04 20:22:21 Peak...c/s=168 Qual=01 MaxkeV=126
 UVSP 20:10 20:23:32 Wavelength=1401A Code=00 Exp #=4781 Rast=28"x28" Step=4" Pitch=+482",Yaw=+417"

Event # = 760
 80/06/20,21:34 DOY=172 SMM Pointing: S11E14 Pitch=+210",Yaw=+230",Roll=0deg H.Ang=19deg
 Start Peak
 GOES 21:30 21:34 Importance=C3 Qual=04
 HXRBS 21:33:12 21:35:08 Peak...c/s=117 Qual=01 Tot Cts=16801
 UVSP 21:34 21:42:34 Wavelength=1397A Code=02 Exp #=4782 Rast=4"x4" Step=0" Pitch=+219",Yaw=+127"

80/06/21 DOY=173
 Event # = 20267
 80/06/21,00:14 DOY=173 SMM Pointing: S11E13 Pitch=+207",Yaw=+212",Roll=0deg H.Ang=18deg
 Start Peak
 GOES 23:47 00:14 Importance=C4 Qual=02
 HXIS 00:07 00:14 Peak...c/s=61
 UVSP 00:45 00:27 Wavelength=1397A Exp #=4788 Rast=4"x4" Step=0" Pitch=+267",Yaw=+243"

Event # = 761
 80/06/21,00:59 Start DOY=173 Peak
 Optical
 GOES 00:30 00:59 01:15 End times
 HXRBS 00:45:18 00:58:22 01:10:41
 BCS 00:45 01:04 01:45
 FCS 01:04 01:04 01:45
 HXIS 00:59
 UVSP 00:58
 Radio Sweeps
 Radio Frequency (MHz)/Flux(sfu): 606/58 1415/210 2695/180 4995/86 8800/87
 SMM Pointing: S11E13
 Ha...Class=2N
 Importance=M2
 Peak...c/s=435
 CaPeak.c/s=713
 Peak3...c/s=1236
 Peak...c/s=1375
 Wavelength=1401A Code=00
 Exp #=4790
 Type/Intensity: I1/3
 Pitch=+205", Yaw=+208", Roll=0deg
 H. Ang=18deg
 Mac.=BX0 Carr. Lon.=178deg
 H. Ang=22deg
 MaxkeV=260 dt= 3.0s XEN=17300
 FePeak.c/s=168 #Peaks=1
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Step=4" Pitch=+227", Yaw=+207"

Event # = 762
 80/06/21,01:20 Start DOY=173 Peak
 Optical
 GOES 01:15 01:20 02:20 End times
 HXRBS 01:12:40 01:18:40 01:35:12
 GRS 01:18:20 01:19:26
 UVSP 00:58
 Radio Frequency (MHz)/Flux(sfu): 245/560 410/410 606/340 1415/340 2695/560
 SMM Pointing: S11E13
 Ha...Class=1B
 Code=EPL
 Importance=X3
 Peak...c/s=141391 Qual=01
 Max.E..MeV= 1.0
 Wavelength=1401A Code=00
 Exp #=4790
 Type/Intensity: I1/2 IV/4 V/2
 Pitch=+205", Yaw=+208", Roll=0deg
 H. Ang=18deg
 Mac.=CHO Carr. Lon.=285deg
 H. Ang=89deg
 MaxkeV=485
 >10MeV=Y
 Neutrons=Y Dur=66sec
 Rast=28"x28" Step=4" Pitch=+227", Yaw=+207"
 4995/670 8800/1600 15400/2800
 MaxkeV=126
 Flags=EN,ND

Event # = 20287
 80/06/21,02:25 Start DOY=173 Peak
 GOES 02:21 02:25 03:21 End times
 BCS 02:25 02:35
 FCS 02:25 02:35
 UVSP 02:20
 SMM Pointing: S11E12
 CaPeak.c/s=85
 Peak3...c/s=284
 Wavelength=1397A
 Qual=06
 Qual= 5
 FePeak=02:25
 Exp #=4791
 Pitch=+207", Yaw=+186", Roll=0deg
 H. Ang=17deg
 FePeak.c/s=14 #Peaks=1 dt= 3.0s XEN=17301
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=4"x4" Step=0" Pitch=+227", Yaw=+207"

Event # = 764
 80/06/21,02:52 Start DOY=173 Peak
 GOES 02:49 02:52 02:59 End times
 HXRBS 02:48:29 02:52:27 02:55:01
 UVSP 02:33
 SMM Pointing: S11E12
 Importance=C8
 Peak...c/s=309
 Wavelength=1401A Code=00
 Exp #=4793
 Pitch=+207", Yaw=+186", Roll=0deg
 H. Ang=17deg
 MaxkeV=126
 Rast=28"x28" Step=4" Pitch=+215", Yaw=+255"

Event # = 765
 80/06/21,04:51 Start DOY=173 Peak
 GOES 04:46 04:51 05:06 End times
 HXRBS 04:47:24 04:48:34 04:51:12
 BCS 04:56 04:56 04:57
 FCS 04:56 04:56 04:57
 UVSP 04:14
 SMM Pointing: S11E11
 Importance=C4
 Peak...c/s=269
 CaPeak.c/s=25
 Peak3...c/s=22
 Wavelength=1401A Code=00
 Exp #=4796
 Pitch=+210", Yaw=+175", Roll=0deg
 H. Ang=17deg
 MaxkeV=126
 FePeak.c/s=13 #Peaks=1 XEN=17302
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 Rast=28"x28" Step=4" Pitch=+187", Yaw=+151"

Event # = 766	SMM Pointing:			S11E10	Pitch=+207", Yaw=+162", Roll=0deg			H.Ang=16deg
80/06/21, 05:57	DOY=173	End times						
Start	Peak	06:00						
GOES 05:53	05:57	06:00	Importance=C4	Qual=01				
HXRBS 05:53:28	05:54:12	05:57:23	Peak...c/s=735	Qual=01	Tot Cts=12716			
UVSP 05:55	05:55		Wavelength=1401A	Code=00	Exp #=4798			
Radio Frequency (MHz)/Flux(sfu):	8800/120 15400/73							
Event # = 767	SMM Pointing:			S11E10	Pitch=+207", Yaw=+162", Roll=0deg			H.Ang=16deg
80/06/21, 06:23	DOY=173	End times						
Start	Peak	06:24						
GOES 06:21	06:23	06:24	Importance=C2	Qual=01				
HXRBS 06:25:54	06:26:23	06:27:06	Peak...c/s=83	Qual=01	Step=4"			Pitch=+231", Yaw=+199"
UVSP 06:00	06:00		Wavelength=1401A	Code=00	Exp #=4799			
Event # = 768	SMM Pointing:			S11E10	Pitch=+207", Yaw=+162", Roll=0deg			H.Ang=16deg
80/06/21, 06:31	DOY=173	End times						
Start	Peak	06:44						
GOES 06:24	06:31	06:44	Importance=C3	Qual=03				
HXRBS 06:28:03	06:29:26	06:31:04	Peak...c/s=125	Qual=01	Tot Cts=1775			
UVSP 06:00	06:00		Wavelength=1401A	Code=00	Exp #=4799			
Event # = 769	SMM Pointing:			S11E08	Pitch=+205", Yaw=+124", Roll=0deg			H.Ang=15deg
80/06/21, 10:46	DOY=173	End times						
Start	Peak	10:54						
GOES 10:41	10:46	10:54	Importance=C5	Qual=04				
HXRBS 10:44:17	10:44:30	10:47:07	Peak...c/s=193	Qual=02	Tot Cts=6549			
UVSP 10:45	10:45		Wavelength=1397A	Code=00	Exp #=4806			
Event # = 20677	SMM Pointing:				Pitch=+1", Yaw=+1502", Roll=0deg			
80/06/21, 13:53	DOY=173	End times						
Start	Peak		Qual=00					
GOES			PA=300deg					
C/P	13:53							
Event # = 4263	SMM Pointing:			S11E04	Pitch=+212", Yaw=+60", Roll=0deg			H.Ang=13deg
80/06/21, 17:27	DOY=173	End times						
Start	Peak	17:33						
GOES 17:23	17:27	17:33	Importance=C4	Qual=01				
HXRBS 17:26:10	17:27:03	17:28:27	Peak...c/s=161	Qual=01	Tot Cts=5014			
UVSP 18:20	18:20		Wavelength=1397A		Exp #=4812			
Event # = 4264	SMM Pointing:			S11E03	Pitch=+210", Yaw=+49", Roll=0deg			H.Ang=13deg
80/06/21, 17:40	DOY=173	End times						
Start	Peak	18:10						
Optical								
GOES 17:34	17:40	18:10	Ha...Class=SN	S28E21	Carr. Lon.=165deg			H.Ang=36deg
HXRBS 17:33:05	17:38:32	17:38:32	Importance=C6	Qual=03	AR2522			
UVSP 18:20	18:20		Peak...c/s=76	Qual=01	Exp #=4812			
			Wavelength=1397A					
Event # = 770	SMM Pointing:			S11E01	Pitch=+210", Yaw=+19", Roll=0deg			H.Ang=13deg
80/06/21, 20:30	DOY=173	End times						
Start	Peak	20:32:58						
GOES 20:30:03	20:30:30	20:32:58	Peak...c/s=162	Qual=06	Tot Cts=3311			
HXRBS 20:09	20:09		Wavelength=1401A	Qual=01	Exp #=4819			
UVSP 20:09	20:09				Step=4"			Pitch=+225", Yaw=+43"

Event # = 771		80/06/21,22:22		DOY=173		SMM Pointing:		S11W00		Pitch=+209",Yaw=+8",Roll=0deg		H.Ang=13deg	
Optical		Start		Peak		End times		S11W00		Carr. Lon.=273deg		H.Ang=90deg	
GOES		22:16		22:22		22:30		Ha...Class=1N		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		22:15:05		22:16:45		22:19:40		Importance=C1		MaxkeV=55			
UVSP		22:16						Peak...c/s=78		Rast=4"x4"			
								Wavelength=1397A		Code=00		Tot Cts=1933	
										Exp #=4825			
Event # = 772		80/06/21,23:54		DOY=173		SMM Pointing:		S11W00		Pitch=+208",Yaw=-8",Roll=0deg		H.Ang=13deg	
Optical		Start		Peak		End times		S11W00		Carr. Lon.=273deg		H.Ang=90deg	
GOES		23:34		23:54		00:14		Ha...Class=1N		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		23:54:00		23:57:10		00:00:05		Importance=C2		MaxkeV=126			
UVSP		23:52						Peak...c/s=76		Rast=4"x4"			
								Wavelength=1397A		Code=00		Tot Cts=2613	
										Exp #=4830			
Event # = 773		80/06/22		DOY=174		SMM Pointing:		S11W03		Pitch=+209",Yaw=-50",Roll=0deg		H.Ang=13deg	
Optical		Start		Peak		End times		S11W03		Carr. Lon.=273deg		H.Ang=90deg	
GOES		04:28		04:31		04:42		Ha...Class=1N		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		04:32:25		04:32:55		04:33:10		Importance=C2		MaxkeV=55			
UVSP		04:11						Peak...c/s=88		Rast=40"x40"			
								Wavelength=1401A		Code=00		Exp #=4844	
								III/2					
								Type/Intensity:					
								Radio Frequency(MHz)/Flux(sfu):					
								410/290 606/70 1415/130 2695/27					
Event # = 774		80/06/22,17:07		DOY=174		SMM Pointing:		S11W03		Pitch=+1183",Yaw=+635",Roll=-6deg		H.Ang=13deg	
Optical		Start		Peak		End times		S11W03		Carr. Lon.=273deg		H.Ang=90deg	
GOES		17:03		17:07		17:22		Ha...Class=1N		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		17:05:05		17:05:15		17:05:45		Importance=C2		MaxkeV=55			
UVSP		16:54						Peak...c/s=81		Rast=80"x80"			
								Wavelength=1555A		Code=00		Exp #=4865	
								III/2					
								Type/Intensity:					
								Radio Frequency(MHz)/Flux(sfu):					
								410/290 606/70 1415/130 2695/27					
Event # = 775		80/06/22,19:10		DOY=174		SMM Pointing:		N18W44		Pitch=+1181",Yaw=+393",Roll=-6deg		H.Ang=13deg	
Optical		Start		Peak		End times		N18W44		Carr. Lon.=216deg		H.Ang=90deg	
GOES		18:57		19:10		19:23		Ha...Class=SB		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		18:57:30		19:04:20		19:12:30		Importance=M1		MaxkeV=126			
UVSP		19:00						Peak...c/s=150		Rast=10"x85"			
								Wavelength=1555A		Code=00		Exp #=4870	
								III/2					
								Type/Intensity:					
								Radio Frequency(MHz)/Flux(sfu):					
								410/290 606/70 1415/130 2695/27					
Event # = 776		80/06/22,20:14		DOY=174		SMM Pointing:		S23E14		Pitch=+1180",Yaw=+145",Roll=-6deg		H.Ang=13deg	
Optical		Start		Peak		End times		S23E14		Carr. Lon.=157deg		H.Ang=90deg	
GOES		20:05		20:14		20:34		Ha...Class=SF		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		20:13:40		20:14:15		20:14:20		Importance=C6		MaxkeV=55			
UVSP		20:04						Peak...c/s=72		Rast=80"x80"			
								Wavelength=1555A		Code=00		Exp #=4871	
								III/2					
								Type/Intensity:					
								Radio Frequency(MHz)/Flux(sfu):					
								410/290 606/70 1415/130 2695/27					
Event # = 777		80/06/22,21:33		DOY=174		SMM Pointing:		N02W00		Pitch=-1",Yaw=-2",Roll=-2deg		H.Ang=0deg	
Optical		Start		Peak		End times		N02W00		Carr. Lon.=157deg		H.Ang=90deg	
GOES		21:22		21:33		21:49		Ha...Class=SF		Step=0"		Pitch=+189",Yaw=-4"	
HXRBS		21:29:35		21:33:10		21:38:35		Importance=C3		MaxkeV=126			
UVSP		22:24						Peak...c/s=98		Rast=3"x3"			
								Wavelength=1542A		Code=00		Exp #=4875	
								III/2					
								Type/Intensity:					
								Radio Frequency(MHz)/Flux(sfu):					
								410/290 606/70 1415/130 2695/27					

Event # = 779
80/06/22, 21:56 Start DOY=174 Peak
Optical SMM Pointing: N02W00 H. Ang=0deg
GOES 21:53 21:56 22:09 Ha...Class=1B N20W46 Carr. Lon.=216deg H. Ang=48deg
HXRB 21:57:05 21:57:20 21:57:45 Importance=C4 Qual=01 AR2524
UVSP 22:24 21:57:05 21:57:20 21:57:45 Peak...c/s=88 Qual=01 MaxkeV=55
Wavelength=1542A Step=0 Pitch=+242", Yaw=-130"
Associated Event # = 778
HXRB 21:55:20 21:55:40 21:55:50 Peak...c/s=84 Qual=01 MaxkeV=55

Event # = 780
80/06/22, 22:14 Start DOY=174 Peak
GOES SMM Pointing: S12W10 H. Ang=17deg
HXRB 22:12:20 22:14:05 22:15:25 Peak...c/s=90 Qual=00
UVSP 22:24 22:12:20 22:14:05 22:15:25 Wavelength=1542A Tot Cts=600
Exp #=4875 Step=0 Pitch=+242", Yaw=-130"

80/06/23 DOY=175
Event # = 20294
80/06/23, 00:49 Start DOY=175 Peak
GOES SMM Pointing: S12W12 H. Ang=18deg
BCS 00:43 00:49 01:07 Importance=C3 Qual=01
UVSP 00:45 00:45 00:48 CaPeak.c/s=20 Qual=1 FePeak=00:45
Wavelength=1546A Code=00 Exp #=4881

Event # = 20307
80/06/23, 01:26 Start DOY=175 Peak
Optical SMM Pointing: S12W12 H. Ang=18deg
GOES 01:07 01:26 02:02 Ha...Class=SN N24W40 Carr. Lon.=208deg H. Ang=44deg
BCS 01:17 01:20 01:23 Ha...Class=SN S09W18 Carr. Lon.=186deg H. Ang=21deg
FCS 01:19 01:19 01:23 Importance=C5 Qual=03 FePeak=01:20 XEN=17502
UVSP 00:47 01:19 01:19 CaPeak.c/s=25 Qual=1 Peak3...c/s=127 Cad=65.5s 1.024s/pixel
Wavelength=1546A Code=00 Exp #=4881 Rast=60"x60" Pitch=+266", Yaw=-198"

Event # = 781
80/06/23, 02:18 Start DOY=175 Peak
Optical SMM Pointing: S12W12 H. Ang=18deg
GOES 02:11 02:18 02:34 Ha...Class=SN N20W47 Carr. Lon.=215deg H. Ang=49deg
HXRB 02:21:05 02:21:15 02:22:25 Importance=M2 Qual=04 AR2524 AR2514
UVSP 02:19 02:21:05 02:21:15 02:22:25 Peak...c/s=153 Qual=01 Tot Cts=1970
Radio Sweeps Type/Intensity: III/2
Radio Frequency(MHz)/Flux(sfu): 606/32 1415/35 2695/22 4995/41 8800/38

Event # = 789
 80/06/23,15:20 DOY=175 H. Ang=24deg
 Start Peak
 Optical S12W20 Pitch=+226", Yaw=-309", Roll=0deg
 GOES 15:15 15:20 15:32 End times
 HXRBS 15:16:35 15:17:50 15:19:10
 BCS 15:19 15:19 15:21
 FCS 15:19 15:19
 UVSP 15:13
 SMM Pointing: N22W53 Carr. Lon.=214deg
 H. Ang=55deg
 AR2524
 MaxkeV=55 #Peaks=1 XEN=17504
 FePeak.c/s=14 Step=15" Cad=65.5s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+250", Yaw=-334"
 Rast=60"x60" Code=00 Exp #=4914

Event # = 790
 80/06/23,18:40 DOY=175 H. Ang=25deg
 Start Peak
 Optical S12W21 Pitch=+226", Yaw=-336", Roll=0deg
 GOES 18:23 18:40 18:45 End times
 HXRBS 18:27:39 18:28:16 18:28:59
 UVSP 18:24
 Radio Sweeps Type/Intensity: III/I1
 SMM Pointing: S22W00 Qual=01
 Importance=C2 Qual=01
 Peak...c/s=74
 Wavelength=1546A Code=00 Exp #=4920
 MaxkeV=55 Step=3" Pitch=+250", Yaw=-361"
 Rast=60"x60"

Event # = 791
 80/06/23,21:28 DOY=175 H. Ang=27deg
 Start Peak
 Optical S12W23 H. Ang=27deg
 GOES 21:26 21:28 21:32 End times
 HXRBS 21:27:14 21:28:34 21:35:14
 UVSP 21:29
 Radio Sweeps Type/Intensity: V/2
 SMM Pointing: S27W05 Qual=01
 Ha...Class=SN Qual=05
 Importance=C3 Qual=01
 Peak...c/s=151
 Wavelength=1542A Code=02
 Exp #=4924
 MaxkeV=126
 Rast=3"x3" Step=0" Pitch=+240", Yaw=-333"
 Carr. Lon.=157deg
 Mac.=DAI
 Pitch=+227", Yaw=-356", Roll=0deg
 H. Ang=24deg

Event # = 20269
 80/06/23,21:35 DOY=175 H. Ang=27deg
 Start Peak
 Optical S12W24 H. Ang=27deg
 GOES 21:32 21:35 22:00 End times
 BCS 21:34 21:34 21:36
 FCS 21:35
 UVSP 21:34
 Radio Sweeps Type/Intensity: V/2
 SMM Pointing: S29W07 Qual=01
 Ha...Class=SB Qual=01
 Importance=C6 Qual=1
 CaPeak.c/s=21
 Peak3..c/s=24
 Wavelength=1546A Code=00
 Exp #=4925
 FePeak.c/s=17 #Peaks=1 XEN=17506
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+239", Yaw=-339"
 Carr. Lon.=162deg
 Mac.=FKI
 Pitch=+227", Yaw=-370", Roll=0deg
 H. Ang=30deg

Event # = 792
 80/06/23,22:05 DOY=175 H. Ang=27deg
 Start Peak
 Optical S12W24 H. Ang=27deg
 GOES 21:50 22:05 22:20 End times
 HXRBS 22:08:48 22:11:06 22:13:08
 UVSP 21:37
 Radio Sweeps Type/Intensity: V/2
 SMM Pointing: S29W07 Qual=01
 Importance=C2 Qual=01
 Peak...c/s=78
 Wavelength=1546A Code=00
 Exp #=4926
 MaxkeV=55 #Peaks=2 XEN=17508
 Rast=60"x60" Step=3" Pitch=+269", Yaw=-391"
 Carr. Lon.=163deg
 Mac.=FKI
 Pitch=+227", Yaw=-370", Roll=0deg
 H. Ang=28deg

Event # = 793
 80/06/23,23:12 DOY=175 H. Ang=28deg
 Start Peak
 Optical S12W24 H. Ang=28deg
 GOES 23:08 23:12 23:23 End times
 HXRBS 23:09:50 23:12:06 23:15:30
 BCS 23:11 23:13 23:20
 FCS 23:12
 UVSP 23:10
 Radio Sweeps Type/Intensity: V/2
 SMM Pointing: S29W07 Qual=01
 Ha...Class=H2 Qual=1
 Importance=C2 Qual=1
 Peak...c/s=519
 CaPeak.c/s=117
 Peak3..c/s=26
 Wavelength=1546A Code=00
 Exp #=4928
 MaxkeV=55 #Peaks=2 XEN=17508
 FePeak.c/s=47 Step=20" Cad=41.5s 0.512s/pixel
 Rast=180"x180" Step=3" Pitch=+239", Yaw=-352"
 Rast=120"x120" Step=3" Pitch=+239", Yaw=-352"
 Carr. Lon.=163deg
 Mac.=FKI
 Pitch=+226", Yaw=-381", Roll=0deg
 H. Ang=32deg

Event # = 804		80/06/24, 21:26		DOY=176	SMM Pointing:		S28W17	Pitch=+473", Yaw=-242", Roll=0deg		H. Ang=34deg
Start		End times		Peak	Ha...Class=1M		Qual=06	Carr. Lon.=157deg		H. Ang=33deg
GOES	21:24:52	21:26:51	21:27:52	21:26:51	Peak...c/s=134	Ha...Class=1M	Qual=01	Carr. Lon.=157deg		H. Ang=28deg
HXRBS	21:28				Wave length=1397A	Ha...Class=SF	Qual=01	Carr. Lon.=124deg		H. Ang=23deg
UVSP						Importance=C6				
Event # = 805		80/06/24, 21:47		DOY=176	SMM Pointing:		S28W16	Pitch=+473", Yaw=-236", Roll=0deg		H. Ang=34deg
Start		End times		Peak	Ha...Class=1M		AR2532	Carr. Lon.=114deg		H. Ang=36deg
GOES	21:45:56	21:47:46	21:48:26	21:47:46	Peak...c/s=72	Ha...Class=SF	Qual=01	Carr. Lon.=114deg		H. Ang=36deg
HXRBS	21:40				Wave length=1401A	Importance=C6				
UVSP						CaPeak.c/s=108	Exp #=4968	Step=4"		Pitch=+393", Yaw=-259"
Event # = 806		80/06/24, 23:21		DOY=176	SMM Pointing:		S28W18	Pitch=+472", Yaw=-253", Roll=0deg		H. Ang=34deg
Start		End times		Peak	Ha...Class=1M		AR2522	Carr. Lon.=157deg		H. Ang=33deg
Optical					Ha...Class=1M	Ha...Class=1M	AR2530	Carr. Lon.=157deg		H. Ang=28deg
Optical					Ha...Class=SF	Ha...Class=SF	AR2529	Carr. Lon.=124deg		H. Ang=23deg
GOES	22:54	23:21	00:01	23:21	Importance=C6	Importance=C6				
HXRBS	23:03:24	23:05:54	23:07:24	23:05:54	Peak...c/s=70	Peak...c/s=70	Tot Cts=14680	#Peaks=1		dt= 5.6s
BCS	23:02	23:18	23:50	23:18	CaPeak.c/s=108	CaPeak.c/s=108	FePeak	c/s=19		XEN=17604
FCS		23:37		23:37	Peak3...c/s=712	Peak3...c/s=712	Rast=120"x120"	Step=15"		Cad=65.5s
HXIS		23:17		23:17	Peak...c/s=421	Peak...c/s=421		Step=4"		Pitch=+382", Yaw=-215"
UVSP					Wave length=1401A	Wave length=1401A	Exp #=4971			
Radio		Frequency (MHz)/Flux(sfu):		2695/25 8800/790						
Event # = 807		80/06/25, 00:51		DOY=177	SMM Pointing:		S28W18	Pitch=+472", Yaw=-265", Roll=0deg		H. Ang=35deg
Start		End times		Peak	Ha...Class=SB		AR2530	Carr. Lon.=155deg		H. Ang=27deg
Optical					Ha...Class=SB	Importance=C6				
GOES	00:47	00:51	01:09	00:51	Importance=C6	Peak...c/s=136	Tot Cts=2053	#Peaks=1		XEN=17703
HXRBS	00:47:22	00:48:06	00:51:02	00:48:06	Peak...c/s=136	CaPeak.c/s=125	FePeak	c/s=26		Cad=65.5s
BCS	00:47	00:51	00:57	00:51	CaPeak.c/s=125	Peak3...c/s=349	Rast=120"x120"	Step=15"		XEN=17703
FCS		00:50		00:50	Peak3...c/s=349	Peak...c/s=117		Step=4"		Pitch=+415", Yaw=-293"
HXIS		00:49		00:49	Wave length=1401A	Wave length=1401A	Exp #=4973			
UVSP										
Event # = 808		80/06/25, 03:32		DOY=177	SMM Pointing:		S28W19	Pitch=+471", Yaw=-272", Roll=0deg		H. Ang=35deg
Start		End times		Peak	Importance=C1		Qual=02	Carr. Lon.=114deg		H. Ang=36deg
GOES	03:30	03:32	03:38	03:32	Importance=C1	Wave length=1401A	Exp #=4978	Step=4"		Pitch=+393", Yaw=-199"
UVSP	03:21									
Event # = 808		80/06/25, 03:58		DOY=177	SMM Pointing:		N02W00	Pitch=+2", Yaw=-2", Roll=0deg		H. Ang=0deg
Start		End times		Peak	Importance=C3		Qual=01	Carr. Lon.=114deg		H. Ang=36deg
GOES	03:53	03:58	04:10	03:58	Importance=C3	Peak...c/s=89	Tot Cts=2176	#Peaks=1		XEN=17703
HXRBS	03:55:04	03:56:32	03:59:04	03:56:32	Peak...c/s=89	Wave length=1401A	FePeak	c/s=26		Cad=65.5s
UVSP	03:21						Rast=28"x28"	Step=4"		Pitch=+393", Yaw=-199"
Radio					Frequency (MHz)/Flux(sfu):	2695/27 4995/46 8800/37 15400/9				

Event # = 826
80/06/26,22:07 Start DOY=178 Peak
Optical SMM Pointing: S29W44 H.Ang=53deg
GOES 21:49 22:07 22:33 22:08:35 Ha...Class=SF AR2522 Carr.Lon.=172deg
HXRB 21:59:50 22:01:25 22:08:35 Peak...c/s=91 Tot Cts=4535 MaxkeV=126
UVSP 21:29 22:01:25 22:08:35 Wavelength=1402A Code=00 Exp #=5046 Rast=120"x120" Step=3" Pitch=+505",Yaw=-553"

Event # = 827
80/06/26,23:45 Start DOY=178 Peak
Optical SMM Pointing: S29W45 H.Ang=53deg
GOES 23:41 23:45 23:58 23:47:25 Ha...Class=SF AR2522 Carr.Lon.=172deg
HXRB 23:39:35 23:40:25 23:47:25 Peak...c/s=95 Tot Cts=6400 MaxkeV=126
BCS 23:42 23:45 23:56 23:45:59 CaPeak.c/s=82 FePeak=23:45 dt= 6.1s XEN=17814
FCS 23:45 23:48 23:48 Peak3...c/s=599 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
HXIS 23:43 23:48 Peak...c/s=101 Rast=60"x60" Step=3" Pitch=+502",Yaw=-572"
UVSP 23:43 23:48 Wavelength=1402A Code=00 Exp #=5049
Radio Sweeps V/1

80/06/27 DOY=179
Event # = 828
80/06/27,00:41 Start DOY=179 Peak
Optical SMM Pointing: S29W46 H.Ang=54deg
GOES 00:38 00:41 00:50 00:38:45 Ha...Class=SF AR2530 Carr.Lon.=159deg
HXRB 00:36:15 00:37:00 00:38:45 Peak...c/s=148 Tot Cts=4805 MaxkeV=126
BCS 00:36 00:40 00:46 00:40:46 CaPeak.c/s=61 FePeak=00:40 dt= 5.6s XEN=17909
FCS 00:39 00:39 00:46 00:39:58 Peak3...c/s=158 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
HXIS 00:38 00:38 Peak...c/s=101 Rast=120"x120" Step=3" Pitch=+504",Yaw=-571"
UVSP 00:40 00:38 Wavelength=1402A Code=00 Exp #=5052

Event # = 829
80/06/27,01:15 Start DOY=179 Peak
Optical SMM Pointing: S29W46 H.Ang=54deg
GOES 01:10 01:15 01:59 01:20:40 Ha...Class=2N AR2522 Carr.Lon.=168deg
HXRB 01:11:55 01:13:00 01:20:40 Peak...c/s=135 Tot Cts=6500 MaxkeV=55
BCS 01:12 01:15 01:32 01:17:14 CaPeak.c/s=175 FePeak=01:14 dt= 5.6s XEN=17910
FCS 01:17 01:17 01:32 01:17:14 Peak3...c/s=990 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
HXIS 01:14 01:14 Peak...c/s=227 Rast=60"x60" Step=3" Pitch=+480",Yaw=-557"
UVSP 01:13 01:14 Wavelength=1402A Code=00 Exp #=5053
Radio Frequency(MHz)/Flux(sfu): 2695/22 4995/16 15400/14 Event # = 20281
BCS 01:23 01:23 01:33 01:23 CaPeak.c/s=90
UVSP 01:22 01:22 Wavelength=1402A Exp #=5054

Event # = 20282
80/06/27,02:12 Start DOY=179 Peak
Optical SMM Pointing: S29W47 H.Ang=55deg
GOES 02:00 02:12 02:46 02:12:46 Ha...Class=2N AR2522 Carr.Lon.=168deg
BCS 02:10 02:12 02:23 02:12:46 Peak...c/s=27 Tot Cts=6500 MaxkeV=55
FCS 02:10 02:12 02:23 02:12:46 Peak3...c/s=144 FePeak=02:12 dt= 5.6s XEN=17900
UVSP 02:10 02:12 02:23 02:12:46 Wavelength=2792A Code=00 Exp #=5056 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
Radio Sweeps III/1 Pitch=+481",Yaw=-602",Roll=0deg

Event # = 830
 80/06/27 04:15 D0Y=179 SMM Pointing: S29W47 Pitch=+480", Yaw=-609", Roll=0deg H. Ang=55deg
 Start Peak 04:15 04:25
 GOES 04:08 04:15 04:25 Qual=01
 HXRBS 04:22:05 04:22:30 04:22:55 Peak...c/s=86
 UVSP 04:08 04:22:30 04:22:55 Wavelength=1549A Code=00 MaxkeV=55
 Radio Sweeps Type/Intensity: III/2 Exp #=5060 Rast=3"x3" Step=0" Pitch=+438", Yaw=-750"

Event # = 20679
 80/06/27 04:21 D0Y=179 SMM Pointing: S29W47 Pitch=+480", Yaw=-609", Roll=0deg H. Ang=55deg
 Start Peak 04:21 04:25
 GOES 04:08 04:21 04:25 Qual=00
 UVSP 04:21 04:21 04:25 Wavelength=1549A Code=00 Rast=3"x3" Step=0" Pitch=+438", Yaw=-750"
 C/P 04:21 04:21 04:25 PA=226deg Front diffuse, interior starts as mound

Event # = 832
 80/06/27 04:35 D0Y=179 SMM Pointing: S29W47 Pitch=+480", Yaw=-609", Roll=0deg H. Ang=55deg
 Start Peak 04:35 04:38 Qual=01
 GOES 04:27 04:35 04:38 Qual=01
 HXRBS 04:33:20 04:34:10 04:37:10 Peak...c/s=86 Tot Cts=4715
 UVSP 04:08 04:33:20 04:34:10 Wavelength=1549A Code=00 Exp #=5060
 HXRBS 04:29:20 04:30:10 04:31:25 Associated Event # = 831
 Peak...c/s=65 Qual=01 Tot Cts=1200

Event # = 833
 80/06/27 04:40 D0Y=179 SMM Pointing: S29W47 Pitch=+480", Yaw=-609", Roll=0deg H. Ang=55deg
 Start Peak 04:40 04:50
 GOES 04:38 04:40 04:50 Qual=02
 HXRBS 04:38:50 04:39:50 04:42:20 Peak...c/s=84 Qual=03
 BCS 04:42 04:42 04:42 CaPeak.c/s=19 Qual=1
 UVSP 04:08 04:42 04:42 Wavelength=1549A Code=01 Tot Cts=4095
 Radio Sweeps Type/Intensity: III/2 Exp #=5060 FePeak.c/s=12
 XEN=17901
 Rast=3"x3" Step=0" Pitch=+438", Yaw=-750"

Event # = 834
 80/06/27 06:13 D0Y=179 SMM Pointing: S29W48 Pitch=+480", Yaw=-617", Roll=0deg H. Ang=56deg
 Start Peak 06:13 06:20
 GOES 06:05 06:13 06:20 Qual=01
 HXRBS 06:06:05 06:07:15 06:09:50 Peak...c/s=153 Qual=01
 UVSP 05:31 06:07:15 06:09:50 Wavelength=1549A Code=01 Tot Cts=4368
 Radio Frequency(MHz)/Flux(sfu): 2695/16 4995/63 8800/36 Exp #=5063
 Rast=3"x3" Step=0" Pitch=+453", Yaw=-738"

Event # = 20283
 80/06/27 07:53 D0Y=179 SMM Pointing: S29W49 Pitch=+478", Yaw=-624", Roll=0deg H. Ang=56deg
 Start Peak 07:53 08:01
 GOES 07:49 07:53 08:01 Qual=03
 BCS 07:52 07:53 07:56 CaPeak.c/s=12
 UVSP 07:11 07:52 07:56 Wavelength=1549A Code=01 Exp #=5066
 Rast=3"x3" Step=0" Pitch=+439", Yaw=-762"

Event # = 835
 80/06/27 12:21 D0Y=179 SMM Pointing: S29W51 Pitch=+476", Yaw=-646", Roll=0deg H. Ang=58deg
 Start Peak 12:21 12:33
 GOES 12:18 12:21 12:33 Qual=01
 HXRBS 12:21:00 12:21:15 12:21:45 Peak...c/s=69 Qual=01
 UVSP 12:13 12:21:15 12:21:45 Wavelength=1402A Code=00 Exp #=5075
 Rast=28"x28" Step=4" Pitch=+467", Yaw=-772"

Event # = 4276	DOY=179	S29W52	SMM Pointing:	Pitch=+476", Yaw=-653", Roll=0deg	H. Ang=59deg
80/06/27, 13:49	Peak				
Optical	End times				
GOES	13:49	S30W49	Ha...Class=SB	Mac. =FAO	H. Ang=57deg
HXRBS	13:48:17	Qual=01	Importance=C4		
BCS	13:47	Qual=01	Peak...c/s=125	MaxkeV=126	XEN=17902
FCS	13:48	Qual=1	CaPeak.c/s=102	Flags=1	
HXIS	13:47	Code=00	Peak3...c/s=400	FePeak.c/s=30	
UVSP	13:46	Code=00	Peak...c/s=219	Rast=240"x240"	Cad= 262s
Radio	Frequency(MHz)/Flux(sfu):	2695/12 4995/15 8800/12	Wave length=1401A	Step=15"	
			Exp #=5078	Pitch=+477", Yaw=-650"	
Event # = 20285	DOY=179	S29W53	SMM Pointing:	Pitch=+479", Yaw=-665", Roll=0deg	H. Ang=60deg
80/06/27, 14:58	Peak				
Optical	End times				
GOES	14:58	S29W64	Ha...Class=SN	Mac. =FAO	H. Ang=69deg
BCS	14:54	Qual=01	Importance=C1		
UVSP	14:59	Qual=1	CaPeak.c/s=19	FePeak.c/s=10	XEN=17911
	14:59	Code=02	Wave length=1329A	Rast=3"x3"	Pitch=+363", Yaw=-647"
			Exp #=5081	Step=0"	
Event # = 20286	DOY=179	S28W53	SMM Pointing:	Pitch=+465", Yaw=-669", Roll=0deg	H. Ang=60deg
80/06/27, 16:18	Peak				
Optical	End times				
GOES	16:18	S25W64	Ha...Class=SN	Mac. =FAO	H. Ang=68deg
BCS	16:31	Qual=05	Importance=M6		
FCS	16:34	Qual=5	CaPeak.c/s=181	FePeak.c/s=22	XEN=17904
HXIS	16:30	Code=00	Peak3...c/s=834	Rast=240"x240"	Cad= 262s
UVSP	16:32	Code=00	Peak...c/s=232	Step=15"	
C/P	16:59	Code=00	Wave length=1541A	Step=0"	
Radio	Extrap St=06/27, 16:04		PA=24/deg	Pitch=+349", Yaw=-661"	
Radio	Sweeps		IV/3 V/1		
Radio	Frequency(MHz)/Flux(sfu):	245/1300 410/87 606/170 2695/390 4995/420 8800/740 15400/830	Diffuse front and possible interior blob		
Event # = 836	DOY=179	S28W54	SMM Pointing:	Pitch=+466", Yaw=-679", Roll=0deg	H. Ang=61deg
80/06/27, 17:05	Peak				
Optical	End times				
GOES	17:03	Qual=01	Importance=C1	MaxkeV=126	
HXRBS	17:04:40	Qual=01	Peak...c/s=118	Rast=240"x240"	Pitch=+426", Yaw=-723"
UVSP	17:01	Code=00	Wave length=1548A	Step=3"	
			Exp #=5091		
Event # = 837	DOY=179	S28W54	SMM Pointing:	Pitch=+466", Yaw=-679", Roll=0deg	H. Ang=61deg
80/06/27, 17:11	Peak				
Optical	End times				
GOES	17:06	Qual=01	Importance=C1	MaxkeV=126	
HXRBS	17:10:45	Qual=01	Peak...c/s=95	Rast=3"x3"	Pitch=+445", Yaw=-793"
UVSP	17:09	Code=00	Wave length=1547A	Step=0"	
			Exp #=5092		
Event # = 838	DOY=179	S28W56	SMM Pointing:	Pitch=+465", Yaw=-694", Roll=0deg	H. Ang=62deg
80/06/27, 20:32	Peak				
Optical	End times				
GOES	20:28	Qual=01	Importance=C1	MaxkeV=55	
HXRBS	20:32:00	Qual=01	Peak...c/s=66	Rast=39"x39"	Pitch=+493", Yaw=-760"
UVSP	20:01	Code=00	Wave length=1547A	Step=3"	
			Exp #=5100		
			Associated Event # = 839		
HXRBS	20:32:55	Qual=01	Peak...c/s=60	MaxkeV=55	

Event # = 20288		80/06/27, 21:19		DOY=179		SMM Pointing:		S28W56		Pitch=+465", Yaw=-694", Roll=0deg		H. Ang=62deg	
80/06/27, 21:19		Start		Peak		Ha...Class=SM		S25W54		Mac.=FAO		Carr. Lon.=158deg	
Optical		21:15		21:19		Importance=C3		Qual=04		FePeak.c/s=27		H. Ang=59deg	
GOES		21:19		21:20		CaPeak.c/s=70		Qual=4		Rast=0"x0"		XEN=17906	
BCS		21:20		21:20		Peak3...c/s=36		FePeak=21:19		Cad=3840s		3840s/pixel	
FCS		21:18		21:18		Peak...c/s=115		Exp #=5101		Step=0"		Pitch=+492", Yaw=-766"	
HXIS		21:21		21:18		Wavelength=1547A		Code=02		Rast=3"x3"		Step=0"	
UVSP		21:21		21:18						Step=0"		Pitch=+492", Yaw=-766"	
Event # = 840		80/06/27, 23:26		DOY=179		SMM Pointing:		S28W57		Pitch=+460", Yaw=-705", Roll=0deg		H. Ang=63deg	
80/06/27, 23:26		Start		Peak		Ha...Class=IN		S24W59		Mac.=FAO		Carr. Lon.=162deg	
Optical		23:22		23:29		Importance=C2		Qual=01		MaxkeyV=55		H. Ang=63deg	
GOES		23:22		23:26		CaPeak.c/s=47		Qual=01		FePeak.c/s=15		dt= 5.6s	
HXRB		23:31:10		23:32:10		Peak...c/s=68		Qual=1		Rast=120"x120"		XEN=17907	
BCS		23:23		23:30		Peak3...c/s=233		FePeak=23:25		Step=15"		Cad=65.5s	
FCS		23:25		23:25		Peak...c/s=107		Code=00		Step=10"		Pitch=+462", Yaw=-688"	
HXIS		23:25		23:24		Wavelength=1349A		Code=00		Step=10"		Pitch=+462", Yaw=-688"	
UVSP		23:25		23:24		III/1		Exp #=5110		Step=10"		Pitch=+462", Yaw=-688"	
Radio		Sweeps		Type/Intensity:						Step=10"		Pitch=+462", Yaw=-688"	
Event # = 20289		80/06/27, 23:35		DOY=179		SMM Pointing:		S28W57		Pitch=+460", Yaw=-705", Roll=0deg		H. Ang=63deg	
80/06/27, 23:35		Start		Peak		Importance=C2		Qual=01		FePeak.c/s=13		dt=11.3s	
GOES		23:29		23:46		CaPeak.c/s=26		Qual=1		Rast=120"x120"		XEN=17908	
BCS		23:31		23:34		Peak3...c/s=203		FePeak=23:34		Step=15"		Cad=65.5s	
FCS		23:31		23:34		Wavelength=1349A		Code=00		Step=10"		Pitch=+462", Yaw=-688"	
UVSP		23:25		23:34				Exp #=5110		Step=10"		Pitch=+462", Yaw=-688"	
Event # = 841		80/06/28, 02:54		DOY=180		SMM Pointing:		S28W60		Pitch=+462", Yaw=-722", Roll=0deg		H. Ang=65deg	
80/06/28, 02:54		Start		Peak		Importance=M1		S21W70		Mac.=FKO		Carr. Lon.=171deg	
Optical		02:42		03:04		CaPeak.c/s=314		Qual=01		MaxkeyV=260		H. Ang=72deg	
GOES		02:42		02:54		Peak...c/s=1283		Qual=01		FePeak.c/s=96		XEN=18000	
HXRB		02:44:50		02:46:00		Peak3...c/s=1181		Qual=1		Rast=120"x120"		Cad=65.5s	
BCS		02:45		03:05		Peak...c/s=347		FePeak=02:49		Step=15"		Pitch=+462", Yaw=-688"	
FCS		02:45		03:05		Wavelength=1349A		Code=00		Step=10"		Pitch=+411", Yaw=-827"	
HXIS		02:47		02:52		II/2 v3		Exp #=5126		Step=10"		Pitch=+411", Yaw=-827"	
UVSP		02:46		02:47		245/510 410/35 606/14 1415/46 2695/110 4995/160 8800/180 15400/94		Exp #=5110		Step=10"		Pitch=+411", Yaw=-827"	
Radio		Sweeps		Type/Intensity:						Step=10"		Pitch=+411", Yaw=-827"	
Radio		Frequency(MHz)/Flux(sfu):		Frequency(MHz)/Flux(sfu):						Step=10"		Pitch=+411", Yaw=-827"	
Event # = 842		80/06/28, 07:51		DOY=180		SMM Pointing:		S28W62		Pitch=+459", Yaw=-738", Roll=0deg		H. Ang=67deg	
80/06/28, 07:51		Start		Peak		Ha...Class=SB		S27W80		Mac.=EAO		Carr. Lon.=179deg	
Optical		07:44		07:51		Importance=M1		Qual=03		MaxkeyV=260		H. Ang=82deg	
GOES		07:44		07:51		CaPeak.c/s=785		Qual=03		FePeak.c/s=166		XEN=18001	
HXRB		07:45:30		07:49:45		Peak...c/s=405		Qual=3		Rast=120"x120"		Cad=65.5s	
BCS		07:47		07:51		Peak...c/s=256		FePeak=07:51		Step=15"		Pitch=+452", Yaw=-788"	
FCS		07:47		07:50		Wavelength=1402A		Code=00		Step=4"		Pitch=+452", Yaw=-788"	
HXIS		07:50		07:50		245/160 410/77 2695/19 4995/19 8800/110 15400/66		Exp #=5135		Step=4"		Pitch=+452", Yaw=-788"	
UVSP		07:19		07:50				Exp #=5135		Step=4"		Pitch=+452", Yaw=-788"	
Radio		Frequency(MHz)/Flux(sfu):		Frequency(MHz)/Flux(sfu):						Step=4"		Pitch=+452", Yaw=-788"	

Event # = 849
 80/06/28, 23:00 Start DOY=180 Peak
 SMM Pointing: S28W71
 Ha...Class=SB AR2522 Carr. Lon.=161deg H. Ang=74deg
 Importance=C3 Qual=01 H. Ang=75deg
 Peak...c/s=159 Tot Cts=3809 MaxkeV=126 XEN=18020
 HXRBS 22:59:20 22:59:50 23:00:20 FePeak=23:00 Rast=120"x120" Cad=65.5s 1.024s/pixel
 BCS 23:00 23:01 23:26 CaPeak.c/s=49 Peak3...c/s=314 Step=15" #Peaks=1
 FCS 23:02 23:01 23:01 Peak...c/s=109 Wave length=1397A Code=00 Exp #=5163 Rast=4"x4" Pitch=+279", Yaw=-717"
 HXIS 22:56 UVSP Frequency(MHz)/Flux(sfu): 2695/7 4995/24 Associated Event # = 850
 Radio 23:02:35 23:02:40 23:02:55 Peak...c/s=65 Qual=01 Tot Cts=213 MaxkeV=55
 HXRBS

80/06/29 DOY=181
 SMM Pointing: S28W73 Pitch=+454", Yaw=-798", Roll=0deg H. Ang=76deg
 Importance=M3 Qual=01
 Peak...c/s=5556 Tot Cts=6.30E+5 MaxkeV=261 XEN=18100
 HXRBS 02:33:00 02:34:50 02:57:00 CaPeak.c/s=1345 FePeak=02:36 Rast=120"x120" Cad=65.5s 1.024s/pixel
 BCS 02:33 02:38 03:03 Peak3...c/s=4138 Rast=28"x28" Step=4" Pitch=+414", Yaw=-846"
 FCS 02:40 02:40 02:34 Peak...c/s=1363
 HXIS 02:20 UVSP Wave length=1402A Code=00 Exp #=5171
 C/P 02:44 Extrap St=06/29,02:08 PA=257deg
 Radio Sweeps Type/Intensity: I1/3 I11/2 IV/3
 Radio Frequency(MHz)/Flux(sfu): 245/1500 410/160 606/73 1415/170 2695/190 4995/210 8800/36 15400/210

Event # = 852
 80/06/29, 04:24 Start DOY=181 Peak
 SMM Pointing: S28W74 Pitch=+453", Yaw=-802", Roll=0deg H. Ang=77deg
 Importance=C3 Qual=01
 Peak...c/s=101 H. Ang=78deg
 HXRBS 04:13:30 04:14:30 04:15:15 CaPeak.c/s=22 #Peaks=1 XEN=18110
 BCS 04:17 04:18 04:25 Peak3...c/s=51 Step=15" Cad=65.5s 1.024s/pixel
 FCS 04:19 04:19 04:19 Wave length=1402A Code=00 Exp #=5178 Rast=12"x12" Pitch=+429", Yaw=-843"
 UVSP 04:22

Event # = 20334
 80/06/29, 05:50 Start DOY=181 Peak
 SMM Pointing: S28W74 Pitch=+453", Yaw=-805", Roll=0deg H. Ang=78deg
 Importance=C2 Qual=01
 CaPeak.c/s=24 FePeak=05:45 XEN=18130
 UVSP 05:47 05:50 05:51 Wave length=1405A Code=00 Exp #=5187 Rast=12"x12" Pitch=+448", Yaw=-823"

Event # = 853
 80/06/29, 10:44 Start DOY=181 Peak
 SMM Pointing: S28W76 Pitch=+450", Yaw=-813", Roll=0deg H. Ang=79deg
 Importance=M4 Qual=01
 Peak...c/s=9348 Tot Cts=5.44E+5 MaxkeV=487 Flags=M
 HXRBS 10:38 10:44 11:08 Max.E..MeV=1.0 >10MeV=N Dur=66sec
 GRS 10:40:10 10:41:50 10:58:40 CaPeak.c/s=2043 FePeak.c/s=999 XEN=18102
 BCS 10:41:41 10:43 11:02 Peak3...c/s=5076 Rast=120"x120" Cad=65.5s 1.024s/pixel
 FCS 10:41 10:44 10:42 Peak...c/s=2123
 HXIS 10:40 UVSP Wave length=1349A Code=00 Exp #=5215 Rast=120"x120" Step=10" Pitch=+405", Yaw=-855"
 Radio Sweeps Type/Intensity: I1/2 I11/1
 Radio Frequency(MHz)/Flux(sfu): 245/21000 410/1 606/110 1415/370 2695/410 4995/800 8800/1600 15400/480

Event # = 861
 80/06/29, 21:59 Start DOY=181 Peak
 Optical SMM Pointing: S28W82 Pitch=+447", Yaw=-828", Roll=0deg H.Ang=84deg
 GOES 21:43 21:59 22:04 Code=BSL S29W90 Carr. Lon.=168deg H.Ang=91deg
 HXRBS 21:58:50 21:59:20 22:00:00 Importance=C5 Qual=01
 BCS 21:30 21:51 22:12 CaPeak...c/s=83 Qual=01
 FCS 21:32 21:32 21:52 FePeak=21.50
 HXIS 21:52 21:52 21:52 Peak3...c/s=447
 UVSP 21:23 21:52 21:52 Peak...c/s=152
 Radio Type/Intensity: Wavelength=1547A Code=00 Exp #=5263
 Radio Sweeps III/2
 Radio Frequency(MHz)/Flux(sfu): 245/120 410/270 606/44 1415/14 2695/22 4995/20
 HXRBS 21:43:00 21:46:00 21:48:00 Associated Event # = 860
 Peak...c/s=97 Qual=01 Tot Cts=1525 MaxkeV=126

Event # = 862
 80/06/29, 22:12 Start DOY=181 Peak
 Optical SMM Pointing: S28W82 Pitch=+447", Yaw=-828", Roll=0deg H.Ang=84deg
 GOES 22:07 22:12 22:43 Code=BSL S29W90 Carr. Lon.=168deg H.Ang=91deg
 HXRBS 22:11:10 22:11:50 22:12:30 Importance=C8 Qual=02
 BCS 22:11:10 22:11:50 22:12:30 CaPeak...c/s=189 Qual=03
 FCS 21:23 22:12 22:49 FePeak=23.23
 HXIS 22:12 22:12 22:49 Peak3...c/s=167
 UVSP 21:23 22:12 22:49 Peak...c/s=419
 Radio Type/Intensity: Wavelength=1547A Code=00 Exp #=5266
 Radio Sweeps III/2 V/3
 Peak...c/s=97 Qual=01 Tot Cts=1525 MaxkeV=126

Event # = 863
 80/06/29, 23:23 Start DOY=181 Peak
 Optical SMM Pointing: S28W82 Pitch=+446", Yaw=-828", Roll=0deg H.Ang=84deg
 GOES 23:19 23:23 23:33 Code=BSL S29W90 Carr. Lon.=168deg H.Ang=91deg
 HXRBS 23:22:10 23:22:50 23:24:30 Importance=C7 Qual=01
 BCS 22:50 23:23 23:49 CaPeak...c/s=64 Qual=01
 FCS 23:23 23:23 23:49 FePeak=23.23
 HXIS 23:23 23:37 23:37 Peak3...c/s=167
 UVSP 22:59 23:23 23:37 Peak...c/s=329
 Radio Type/Intensity: Wavelength=1547A Code=00 Exp #=5266
 Radio Sweeps III/2 V/3
 Peak...c/s=97 Qual=01 Tot Cts=1525 MaxkeV=126

Event # = 864
 80/06/29, 23:36 Start DOY=181 Peak
 Optical SMM Pointing: S28W82 Pitch=+446", Yaw=-828", Roll=0deg H.Ang=84deg
 GOES 23:34 23:36 24:00 Code=BSL S29W90 Carr. Lon.=168deg H.Ang=91deg
 HXRBS 23:34:10 23:35:40 23:37:10 Importance=C1 Qual=01
 BCS 23:34:10 23:35:40 23:37:10 CaPeak...c/s=73 Qual=01
 FCS 23:34:10 23:35:40 23:37:10 FePeak=23.23
 HXIS 23:34:10 23:35:40 23:37:10 Peak3...c/s=167
 UVSP 22:59 23:34:10 23:35:40 Peak...c/s=419
 Radio Type/Intensity: Wavelength=1547A Code=00 Exp #=5266
 Radio Sweeps III/2 V/3
 Peak...c/s=97 Qual=01 Tot Cts=1525 MaxkeV=126

Event # = 20297
 80/06/30, 00:32 Start DOY=182 Peak
 Optical SMM Pointing: S28W82 Pitch=+446", Yaw=-828", Roll=0deg H.Ang=84deg
 GOES 00:24 00:32 00:40 Code=BSL S29W90 Carr. Lon.=168deg H.Ang=91deg
 HXRBS 00:24 00:32 00:40 Importance=C3 Qual=02
 BCS 00:24 00:32 00:40 CaPeak...c/s=112 Qual=01
 FCS 00:24 00:32 00:40 FePeak=21.50
 HXIS 00:24 00:32 00:40 Peak3...c/s=447
 UVSP 00:29 00:32 00:40 Peak...c/s=152
 Radio Type/Intensity: Wavelength=1542A Code=00 Exp #=5267
 Radio Sweeps III/2
 Peak...c/s=97 Qual=01 Tot Cts=1525 MaxkeV=126

Event # = 865
 80/06/30,01:10 DOY=182 SMM Pointing: S28W82 Pitch=+446",Yaw=-828",Roll=0deg H.Ang=84deg
 Start Peak End times
 GOES 01:07 01:16 Importance=C3 Qual=01
 HXRBS 01:08:20 01:08:40 01:09:05 Peak...c/s=70 Qual=01
 HXIS 01:07 01:07 Peak...c/s=93
 UVSP 00:36 Wavelength=1547A Code=00 Exp #=5269 Rast=60"x60" Step=3" Pitch=+417",Yaw=-851"
 Radio Sweeps Type/Intensity: I/1
 Radio Frequency(MHz)/Flux(sfu): 245/120 410/27

Event # = 20298
 80/06/30,02:45 DOY=182 SMM Pointing: Pitch=+446",Yaw=-836",Roll=0deg
 Start Peak End times
 Optical Ha...Class=1F Carr. Lon.=125deg H.Ang=53deg
 GOES 01:22 02:45 05:30 Importance=C6 Qual=04
 BCS 02:02 02:55 03:01 CaPeak.c/s=95 Qual= 5 FePeak=02:55 XEN=18200
 FCS 02:58 02:58 Peak3...c/s=166 Rast=0"x0" Cad=1054s 1054s/pixel
 HXIS 02:10 02:52 02:52 Peak...c/s=104 Rast=60"x60" Step=3" Pitch=+497",Yaw=-794"
 UVSP 02:10 02:52 Wavelength=1547A Code=00 Exp #=5272
 Radio Sweeps Type/Intensity: I/2

Event # = 866
 80/06/30,04:22 DOY=182 SMM Pointing: Pitch=+445",Yaw=-835",Roll=0deg
 Start Peak End times
 GOES 04:20 04:22 04:30 Importance=C6 Qual=01
 HXRBS 04:19:50 04:20:25 04:24:20 Peak...c/s=114 Qual=01 Tot Cts=3342
 BCS 03:41 04:23 04:37 CaPeak.c/s=112 Qual= 1 FePeak=04:22
 FCS 03:53 03:53 Peak3...c/s=179
 HXIS 03:47 04:20 04:20 Peak...c/s=200
 UVSP 03:47 04:20 Wavelength=1547A Code=00 Exp #=5275
 Radio Frequency(MHz)/Flux(sfu): 410/140

Event # = 20299
 80/06/30,06:03 DOY=182 SMM Pointing: Pitch=+445",Yaw=-835",Roll=0deg
 Start Peak End times
 GOES 05:20 06:03 06:13 CaPeak.c/s=58 Qual=00
 BCS 06:06 06:06 Peak3...c/s=183 Qual= 3 FePeak=06:04
 FCS 06:01 06:01 Peak...c/s=123 Wavelength=1547A
 UVSP 05:25 Wavelength=1547A Code=00 Exp #=5278
 Rast=60"x60" Step=3" Pitch=+441",Yaw=-837"

Event # = 20300
 80/06/30,07:00 DOY=182 SMM Pointing: Pitch=+444",Yaw=-834",Roll=0deg H.Ang=88deg
 Start Peak End times
 GOES 06:48 07:00 07:04 Importance=C3 Qual=04
 HXIS 07:00 07:00 Peak...c/s=123
 UVSP 06:57 Wavelength=1397A Code=00 Exp #=5280
 Rast=4"x4" Step=0" Pitch=+270",Yaw=-765"

Event # = 867
 80/06/30,07:22 DOY=182 SMM Pointing: Pitch=+444",Yaw=-834",Roll=0deg H.Ang=88deg
 Start Peak End times
 Optical Ha...Class=SF Carr. Lon.=117deg H.Ang=46deg
 GOES 07:21 07:22 07:32 Importance=C3 Qual=01
 HXRBS 07:21:40 07:22:00 07:23:25 Peak...c/s=211 Qual=01 Tot Cts=3235
 UVSP 07:11 07:11 Wavelength=1402A Code=00 Exp #=5282
 Rast=28"x28" Step=4" Pitch=+478",Yaw=-813"

Event # = 868
 80/06/30,07:42 Start DOY=182 Peak
 Optical
 GOES 07:38 07:42 07:48 S28W86 SMM Pointing: H.Ang=88deg
 HXRBS 07:40:50 07:41:50 07:45:00 Ha...Class=SF S31W75 Carr. Lon.=147deg
 BCS 06:59 07:44 07:49 Importance=C4 Qual=01
 FCS 07:02 07:44 07:49 Peak...c/s=98 Qual=03
 HXIS 07:11 07:02 07:43 CaPeak.c/s=107 Qual=1
 UVSP 07:11 07:43 07:43 Peak3...c/s=303
 Wavelength=1402A Code=00 Exp #=5282
 Pitch=+444", Yaw=-834", Roll=0deg
 Mac.=CR0
 MaxkeV=55
 FePeak.c/s=34 dt=11.3s XEN=18203
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=28"x28" Step=4" Pitch=+478", Yaw=-813"

Event # = 20301
 80/06/30,08:18 Start DOY=182 Peak
 GOES 08:13 08:18 08:54 S28W86 SMM Pointing: H.Ang=88deg
 BCS 08:39 08:39 09:24 Importance=C8 Qual=05
 FCS 08:43 08:43 08:43 CaPeak.c/s=61 Qual=5
 HXIS 08:40 08:40 08:40 Peak3...c/s=216
 UVSP 08:36 08:40 08:40 Peak...c/s=245
 Wavelength=1397A Exp #=5283
 FePeak.c/s=9 #Peaks=1 XEN=18204
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=4"x4" Step=0" Pitch=+478", Yaw=-813"

Event # = 20341
 80/06/30,10:18 Start DOY=182 Peak
 GOES 10:18 10:18 10:19 S28W83 SMM Pointing: H.Ang=85deg
 BCS 10:13 10:18 10:19 CaPeak.c/s=20 Qual=00
 UVSP 10:13 10:18 10:19 Wavelength=1397A Qual=1
 FePeak.c/s=5 #Peaks=1 XEN=18205
 Rast=4"x4" Step=0" Pitch=+465", Yaw=-821"

Event # = 869
 80/06/30,10:48 Start DOY=182 Peak
 Optical
 GOES 10:40 10:48 11:47 S28W83 SMM Pointing: H.Ang=85deg
 HXRBS 10:45:20 10:46:00 10:47:30 Code=BSL S25W90 Carr. Lon.=161deg
 BCS 10:41 10:52 11:00 Importance=C5 Qual=03
 FCS 10:59 10:55 10:55 CaPeak.c/s=109 Qual=01
 HXIS 10:25 10:55 10:55 Peak3...c/s=222 Qual=3
 UVSP 10:25 10:55 10:55 Wavelength=1402A Code=00 Exp #=5288
 FePeak.c/s=23 #Peaks=1 XEN=18207
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=28"x28" Step=4" Pitch=+437", Yaw=-837"

Event # = 870
 80/06/30,13:39 Start DOY=182 Peak
 Optical
 GOES 13:28 13:39 13:49 S13W23 SMM Pointing: H.Ang=28deg
 HXRBS 13:35:00 13:38:50 13:39:45 Ha...Class=18 S13W23 Carr. Lon.=92deg
 BCS 13:31 13:32 13:34 Importance=C9 Qual=01
 FCS 13:33 13:33 13:34 CaPeak.c/s=21 Qual=1
 UVSP 13:27 13:33 13:33 Peak3...c/s=95 Qual=1
 Wavelength=1402A Code=00 Exp #=5294
 Radio Frequency(MHz)/Flux(sfu): 606/42 1415/31 2695/62 4995/27 8800/66
 MaxkeV=126
 FePeak.c/s=7 #Peaks=1 XEN=18225
 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
 Rast=28"x28" Step=4" Pitch=+297", Yaw=-777"

Event # = 20344		80/06/30, 18:15		DOY=182		S28W83		Pitch=+445", Yaw=-831", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
GOES	18:15	18:16		18:15	18:16	Qual=06		FePeak.c/s=4	#Peaks=1	XEN=18217	
BCS	18:15			18:15		Qual=1		Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel
FCS	18:12							Rast=240"x240"	Step=4"	Pitch=+388", Yaw=-883"	
UVSP	18:12										
Event # = 872		80/06/30, 18:30		DOY=182		S28W83		Pitch=+445", Yaw=-831", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
Optical	18:21	18:30		18:30	18:35	S10W20		Mac.=DKI	Carr. Lon.=86deg	H. Ang=24deg	
GOES	18:18:20	18:25:00		18:25:00	18:32:30	Qual=01		MaxkeV=126			
HXRBS	18:18	18:25		18:25	18:59	Qual=01		FePeak.c/s=18	#Peaks=1	XEN=18219	
BCS	18:18	18:54		18:54		Qual=1		Rast=120"x120"	Step=15"	Cad=65.5s	1.024s/pixel
FCS	18:18	18:24		18:24							
HXIS	18:15										
UVSP	18:15										
Radio	Frequency (MHz)/Flux(sfu):	245/270	410/38	1415/40	2695/10	4995/27	8800/36				
Event # = 873		80/06/30, 19:49		DOY=182		S28W84		Pitch=+444", Yaw=-832", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
Optical	19:44	19:49		19:49	20:07	Ha...Class=SB		Mac.=DKI	Carr. Lon.=90deg	H. Ang=29deg	
GOES	19:46:10	19:47:45		19:47:45	19:50:30	S13W24		MaxkeV=55			
HXRBS	19:48					Qual=05		Rast=240"x240"	Step=4"	Pitch=+388", Yaw=-883"	
BCS	19:48					Qual=01					
UVSP	19:48					Code=00					
Event # = 874		80/06/30, 21:41		DOY=182		S28W84		Pitch=+444", Yaw=-832", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
GOES	21:24	21:41		21:41	21:47	Importance=C1		MaxkeV=55			
HXRBS	21:32:10	21:34:20		21:34:20	21:36:00	Qual=01		FePeak.c/s=7	#Peaks=1	dt= 5.6s	XEN=18220
BCS	21:33	21:38		21:38	21:59	Qual=1		Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel
FCS	21:18	21:43		21:43				Rast=120"x120"	Step=3"	Pitch=+467", Yaw=-824"	
UVSP	21:18					Code=00					
Event # = 20309		80/06/30, 22:50		DOY=182		S28W84		Pitch=+447", Yaw=-837", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
GOES	22:44	22:50		22:50	22:57	Importance=C4		FePeak.c/s=10	#Peaks=1	XEN=18223	
BCS	22:48	22:48		22:48	22:52	Qual=05		Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel
FCS	22:48	22:49		22:49		Qual=5		Rast=3"x45"	Step=3"	Pitch=+468", Yaw=-819"	
UVSP	22:50					Code=02					
Event # = 20310		80/07/01, 00:28		DOY=183		80/07/01		Pitch=+446", Yaw=-835", Roll=0deg		H. Ang=86deg	
Start		End times		Peak		SMM Pointing:					
GOES	00:00	00:28		00:28	00:42	Importance=C2					
BCS	00:25	00:25		00:25	00:39	Qual=05					
HXIS	00:25	00:28		00:28							
UVSP	00:28										

Event # = 875
 80/07/01,01:18 DOY=183
 Start Peak
 Optical
 GOES 01:09 01:18
 HXRBS 01:17:44 01:18:05
 BCS 00:24 01:20
 FCS 01:21
 HXIS 01:18
 UVSP 01:17

SMM Pointing:
 Ha...Class=SF
 Ha...Class=SF
 Importance=C3
 CaPeak.c/s=121
 Peak3...c/s=75
 Peak...c/s=156
 Wavelength=1348A Code=00

End times
 01:22
 01:19:54
 01:23

Mac. =CRO
 Carr. Lon.=34deg
 Carr. Lon.=153deg
 H. Ang=30deg
 H. Ang=92deg

MaxkeV=55
 FePeak.c/s=14
 Rast=240"x240"
 dt=11.3s
 Step=15"
 Cad= 262s
 XEN=18302
 1.024s/pixel
 Pitch=+446", Yaw=-835", Roll=0deg
 Step=10" Pitch=+360", Yaw=-875"

AR2540
 AR2545
 Tot Cts=1463
 FePeak=01:20
 Exp #=5447

Event # = 20311
 80/07/01,01:32 DOY=183
 Start Peak
 Optical
 GOES 01:22 01:32
 BCS 01:12 01:22
 HXIS 01:59
 UVSP 01:22

SMM Pointing:
 Ha...Class=SF
 Importance=C3
 CaPeak.c/s=72
 Peak...c/s=80
 Wavelength=1348A Code=01
 Associated
 Qual= 5

End times
 02:15
 02:33
 02:18

AR2545
 S35W90
 Qual=05
 Exp #=5461
 Event # = 20353
 FePeak=02:00
 Exp #=5462

Carr. Lon.=152deg
 H. Ang=92deg
 Pitch=+446", Yaw=-835", Roll=0deg
 Rast=120"x120"
 Step=10" Pitch=+360", Yaw=-875"
 #Peaks=1
 XEN=18303
 FePeak.c/s=9
 Step=15"
 Cad= 410s
 Pitch=+270", Yaw=-765"
 Rast=300"x300"
 Step=0"

Event # = 20313
 80/07/01,06:04 DOY=183
 Start Peak
 GOES 06:04 06:04
 BCS 06:04 06:06
 UVSP 06:02

SMM Pointing:
 CaPeak.c/s=18
 Wavelength=1349A
 Qual=00
 Qual= 3

End times
 06:06

FePeak=06:04
 Exp #=5485

Pitch=+445", Yaw=-826", Roll=0deg
 H. Ang=83deg
 FePeak.c/s=7
 #Peaks=1
 Rast=240"x240"
 Step=10" Pitch=+385", Yaw=-880"

Event # = 20314
 80/07/01,06:57 DOY=183
 Start Peak
 GOES 06:55 06:57
 BCS 06:57 07:03
 FCS 06:57 07:02
 UVSP 06:55

SMM Pointing:
 Importance=C2
 CaPeak.c/s=36
 Peak3...c/s=85
 Wavelength=1349A Code=00

End times
 07:03
 07:02

S28W82
 Qual=01
 Qual= 5
 FePeak=06:57
 Exp #=5487

Pitch=+444", Yaw=-829", Roll=0deg
 H. Ang=84deg
 FePeak.c/s=9
 #Peaks=1
 Rast=240"x240"
 Step=15"
 Cad= 262s
 XEN=18306
 1.024s/pixel
 Pitch=+385", Yaw=-880"

Event # = 876
 80/07/01,13:52 DOY=183
 Start Peak
 GOES 13:15 13:52
 HXRBS 13:50:52 13:51:30
 UVSP 13:30

SMM Pointing:
 Importance=C2
 Peak...c/s=278
 Wavelength=1547A Code=00

End times
 13:59
 13:53:32

S28W86
 Qual=01
 Qual=01
 Tot Cts=4571
 Exp #=5511

Pitch=+444", Yaw=-834", Roll=0deg
 H. Ang=88deg
 MaxkeV=126
 Rast=120"x120"
 Step=3" Pitch=+329", Yaw=-852"

Event # = 877	80/07/01,16:28	DOY=183	SMM Pointing:	Pitch=+421",Yaw=-847",Roll=0deg
Optical	Start	Peak	End times	Mac.=EKI Carr.Lon.=92deg H.Ang=41deg
GOES	16:18	16:28	16:42	Flags=M,FS Dur=66sec
HXRBS	16:24:59	16:27:29	16:38:50	XEN=18300
GRS	16:26:52	16:27:58	16:27:58	
BCS	16:25	16:28	17:16	
FCS	16:25	16:30		
UVSP	16:25			
Radio	Frequency(MHz)/Flux(sfu):	Type/Intensity:	Exp #=5517	Cad= 410s Pitch=+367",Yaw=-892"
	245/5200 410/22 606/210 1415/390 2695/790 4995/780 8800/1400 15400/1300	11/3		
Event # = 878	80/07/01,22:59	DOY=183	SMM Pointing:	Pitch=+430",Yaw=-847",Roll=0deg
GOES	Start	Peak	End times	MaxkeV=488 Flags=AX
HXRBS	22:53:31	22:53:40	22:53:53	#Peaks=1 dt= 5.6s XEN=18314
BCS	22:53	22:59	23:01	Rast=240"x240" Cad= 262s
FCS	22:59	22:59		Rast=240"x240" Step=15" Pitch=+367",Yaw=-892"
UVSP	22:48			
Event # = 20354	80/07/01,23:24	DOY=183	SMM Pointing:	Pitch=+430",Yaw=-847",Roll=0deg
GOES	Start	Peak	End times	MaxkeV=488 Flags=AX
HXRBS	23:16	23:24	23:42	#Peaks=1 dt=11.3s XEN=18315
BCS	23:16	23:24	23:39	Rast=240"x240" Cad= 262s
FCS	23:19	23:39		Rast=240"x240" Step=15" Pitch=+367",Yaw=-892"
UVSP	23:19			
Event # = 20317	80/07/02,00:34	DOY=184	SMM Pointing:	Pitch=+430",Yaw=-847",Roll=0deg
GOES	Start	Peak	End times	MaxkeV=488 Flags=AX
HXRBS	00:18	00:34	00:45	#Peaks=1 dt=11.3s XEN=18315
BCS	00:33	00:35	00:36	Rast=240"x240" Cad= 262s
FCS	00:33	00:34		Rast=240"x240" Step=15" Pitch=+367",Yaw=-892"
HXIS	00:24	00:20		
UVSP	00:24			
Event # = 879	80/07/03,00:24	DOY=185	SMM Pointing:	Pitch=+225",Yaw=-702",Roll=0deg
GOES	Start	Peak	End times	Mac.=FAI Carr.Lon.=91deg H.Ang=51deg
HXRBS	00:21	00:24	00:37	Flags=FS
BCS	00:22	00:23:02	00:23:42	#Peaks=1
FCS	00:22	00:23	00:25	Cad=-26s
HXIS	00:25	00:25		
UVSP	00:24	00:24		
Radio	Frequency(MHz)/Flux(sfu):	Type/Intensity:	Exp #=5606	Rast=160"x160" Pitch=+924",Yaw=-38"
	2695/29 4995/41 8800/86 15400/55	1402A		

Event # = 4284	DOY=185	SMM Pointing:	N03W00	Pitch=-2", Yaw=+0", Roll=0deg	H. Ang=0deg
80/07/03, 02:56	Peak	Ha...Class=SN	AR2531	Carr. Lon.=125deg	H. Ang=91deg
Optical	End times	Ha...Class=SF	AR2549	Carr. Lon.=62deg	H. Ang=34deg
Optical		Importance=C2		Flags=1	
GOES 02:51	02:56	Peak...c/s=69	Qual=01	Step=3"	Pitch=-62", Yaw=-38"
HXRBS 02:53:35	02:54:05	WaveLength=1547A	Code=01		
UVSP 02:41	02:54:35		Exp #=5617		
Event # = 20318	DOY=185	SMM Pointing:	S11W56	Pitch=+209", Yaw=-772", Roll=0deg	H. Ang=58deg
80/07/03, 04:20	Peak	Importance=C2	Qual=01	#Peaks=1	dt= 5.6s
GOES 04:15	04:20	CaPeak.c/s=39	Qual= 1	Step=15"	XEN=18501
BGS 04:18	04:20	Peak3...c/s=31		Rast=240"x240"	Cad= 262s
FCS 04:19	04:19	Peak...c/s=80		Step=3"	Pitch=+204", Yaw=-802"
HXIS 03:47	04:20	WaveLength=1392A	Code=00	Exp #=5622	
UVSP 03:47	04:20				
Event # = 20358	DOY=185	SMM Pointing:	S10W65	Pitch=+185", Yaw=-847", Roll=0deg	H. Ang=66deg
80/07/03, 21:55	Peak	Importance=C2	Qual=00	#Peaks=1	XEN=18502
GOES 21:51	21:55	CaPeak.c/s=22	Qual= 3	Step=4"	Pitch=+157", Yaw=-937"
BGS 21:51	21:55	WaveLength=1402A			
UVSP 21:21	21:55		Exp #=5671		
Event # = 20320	DOY=186	SMM Pointing:	S10W67	Pitch=+184", Yaw=-860", Roll=0deg	H. Ang=68deg
80/07/04, 00:20	Peak	Importance=C2	Qual=01	#Peaks=1	dt= 5.6s
GOES 00:08	00:20	CaPeak.c/s=37	Qual= 4	Step=0"	XEN=18600
BGS 00:18	00:23	Peak3...c/s=12		Rast=0"x0"	Cad=3840s
FCS 00:18	00:18	WaveLength=1397A	Code=02	Step=0"	Pitch=+158", Yaw=-939"
UVSP 00:21	00:18		Exp #=5675		
Event # = 4285	DOY=186	SMM Pointing:	S10W71	Pitch=+179", Yaw=-883", Roll=0deg	H. Ang=72deg
80/07/04, 06:59	Peak	Importance=C1	Qual=01	Flags=1	
GOES 06:57	06:59	Peak...c/s=81	Qual=01	Step=0"	Pitch=+215", Yaw=-854"
HXRBS 06:59:15	06:59:45	WaveLength=1403A	Code=00	Exp #=5700	
UVSP 06:57	06:59:15				
Event # = 881	DOY=187	SMM Pointing:	S12W80	Pitch=+205", Yaw=-911", Roll=0deg	H. Ang=81deg
80/07/05, 00:22	Peak	Ha...Class=SB	N28W17	Carr. Lon.=27deg	H. Ang=29deg
Optical	End times	Importance=C5	Qual=04	Flags=SN	
GOES 00:12	00:22	Peak...c/s=94	Qual=02	Step=0"	Pitch=+174", Yaw=-904"
HXRBS 00:15:12	00:19:17	WaveLength=1397A	Code=00	Exp #=5743	
UVSP 00:18	00:18	III/2 V/3			
Radio Sweeps	Type/Intensity:	245/150 410/85	606/770 1415/270 2695/32	4995/29 8800/44 15400/33	
HXRBS 00:42:34	00:42:42	Peak...c/s=192	Qual=01	Tot Cts=811	
UVSP 00:34	00:42:42	WaveLength=1405A		Tot Cts=811	
				Exp #=5746	

Event # = 890
80/07/05, 16:36 Start
Optical
GOES 16:34:18 16:36:22 16:36:38
HXRB5
UVSP 16:21

DOY=187 Peak
SMM Pointing: N28W28
Ha...Class=SF AR2552
Peak...c/s=70
Wavelength=1367A Exp #=5801

Pitch=-397", Yaw=-395", Roll=0deg H. Ang=36deg
Mac.=CR0 Carr. Lon.=286deg H. Ang=75deg
Maxkey=55
Rast=120"x120" Step=10" Pitch=-448", Yaw=-387"

Event # = 891
80/07/05, 22:46 Start
Optical
GOES 22:33 22:46 01:10
HXRB5 22:37:24 22:41:35 23:30:39
BCS 22:37 22:45 23:30
FCS 23:09 22:44
HXIS 22:44
UVSP 22:40

DOY=187 Peak
SMM Pointing: N28W32
Ha...Class=1B AR2550
Importance=M9
Peak...c/s=6303
CaPeak.c/s=4621
Peak3...c/s=22
Peak...c/s=6173
Wavelength=1541A Code=00 Exp #=5813
Type/Intensity: 11/1 11/3
Radio Sweeps 245/1300 410/1500 606/8400 1415/610 2695/140 8800/190
Radio Frequency (MHz)/Flux(sfu): Associated Event # = 20321
#Peaks=1 XEN=18704
#Peaks=2 dt= 5.6s XEN=18800
#Peaks=7 #Peaks=1
Step=0" Cad=3840s
Step=0" Rast=0"x0" Cad=3840s
Step=0" Rast=3"x3" Step=0" Pitch=-603", Yaw=-604"
Step=0" Rast=3"x3" Step=0" Pitch=-603", Yaw=-606"

BCS 00:13 00:16 00:41
FCS 00:16 00:14
HXIS 00:14
UVSP 00:18

Wave length=1793A Exp #=5816
Pitch=-401", Yaw=-438", Roll=0deg H. Ang=39deg
Rast=120"x120" Step=3" Pitch=-544", Yaw=-548"
No deflections outside of expanding loop early in event

Event # = 892
80/07/06, 04:26 Start
Optical
GOES 04:16 04:26 04:30
HXRB5 04:18:04 04:19:54 04:25:04
UVSP 05:04
Radio Sweeps
Radio Frequency (MHz)/Flux(sfu):

DOY=188 Peak
SMM Pointing: S12W86
Ha...Class=SN AR2550
Importance=C7
Peak...c/s=327
Wavelength=1399A
V/2
606/190 1415/540 2695/120 4995/37 8800/19

Pitch=+194", Yaw=-924", Roll=0deg H. Ang=87deg
Mac.=EKI Carr. Lon.=29deg H. Ang=40deg
Maxkey=127
Rast=4"x4" Step=0" Pitch=+210", Yaw=-918"

Event # = 893
80/07/06, 10:00 Start
Optical
GOES 09:56 10:00 10:04
HXRB5 09:56:40 09:58:06 09:58:00
UVSP 09:55

DOY=188 Peak
SMM Pointing: N28W32
Ha...Class=SN AR2550
Importance=C1
Peak...c/s=93
Wavelength=1349A Code=00 Exp #=5837

Pitch=+195", Yaw=-927", Roll=0deg
Maxkey=55
Rast=120"x120" Step=3" Pitch=+209", Yaw=-923"

80/07/07 DOY=189

Event # = 894
 80/07/07, 01:05 DOY=189 Peak Start End times
 SMM Pointing: N27W47
 Pitch=-394", Yaw=-617", Roll=0deg H. Ang=51deg
 MaxkeV=127
 Rast=120"x120" Step=3" Pitch=-536", Yaw=-626"

GOES 01:01 01:05 01:08 Qual=01
 HXRBS 01:04:26 01:04:56 01:05:01 Qual=01
 UVSP 00:21 01:04:56 01:05:01 Code=00
 Tot Cts=448
 Exp #=5865
 Radio Frequency(MHz)/Flux(sfu): 1415/23 2695/19

Event # = 895
 80/07/07, 05:36 DOY=189 Peak Start End times
 SMM Pointing: N27W49
 Pitch=-393", Yaw=-638", Roll=0deg H. Ang=52deg
 MaxkeV=127
 Rast=36"x36" Step=8" Pitch=-410", Yaw=-619"

GOES 05:36:33 05:36:41 05:36:46 Qual=00
 HXRBS 05:36:33 05:36:41 05:36:46 Qual=01
 UVSP 05:15 05:36:41 05:36:46 Code=00
 Tot Cts=349
 Exp #=5875

Event # = 20360
 80/07/07, 09:55 DOY=189 Peak Start End times
 SMM Pointing: N27W52
 Pitch=-394", Yaw=-663", Roll=0deg H. Ang=55deg
 FePeak.c/s=8 #Peaks=1
 Rast=30"x3" Step=0" Pitch=-504", Yaw=-793"

GOES 09:47 09:55 09:58 Qual=01
 BCS 09:53 09:54 09:55 Qual=1
 UVSP 09:52 09:54 09:55 Code=00
 FePeak=09:54
 Exp #=5886

Event # = 20361
 80/07/07, 10:02 DOY=189 Peak Start End times
 SMM Pointing: N27W52
 Pitch=-394", Yaw=-663", Roll=0deg H. Ang=55deg
 FePeak.c/s=12 #Peaks=1 dt= 6.0s XEN=18904
 Rast=60"x60" Step=15" Cad=16.4s 1.024s/pixel
 Rast=30"x3" Step=0" Pitch=-504", Yaw=-793"

GOES 09:58 10:02 10:11 Qual=01
 BCS 09:59 10:02 10:06 Qual=1
 FCS 10:02 10:03 10:06 Code=00
 UVSP 09:52 10:03 10:06 Code=00
 FePeak=10:02
 Exp #=5886

Event # = 896
 80/07/07, 10:15 DOY=189 Peak Start End times
 SMM Pointing: N27W52
 Pitch=-394", Yaw=-663", Roll=0deg H. Ang=55deg
 MaxkeV=55
 FePeak.c/s=70 #Peaks=1
 Rast=60"x60" Step=15" Cad=16.4s XEN=18905
 Rast=30"x3" Step=0" Pitch=-504", Yaw=-793"

GOES 10:12 10:15 10:23 Qual=01
 HXRBS 10:13:23 10:14:09 10:15:23 Qual=01
 BCS 10:12 10:14 10:24 Code=00
 FCS 10:17 10:17 10:17 Code=00
 HXIS 09:52 10:14 10:17 Code=00
 UVSP 09:52 10:14 10:17 Code=00
 Associated Event # = 897
 HXRBS 10:17:28 10:17:43 10:17:48 Qual=01
 Tot Cts=1169

Event # = 20362
 80/07/07, 10:30 DOY=189 Peak Start End times
 SMM Pointing: N27W52
 Pitch=-394", Yaw=-663", Roll=0deg H. Ang=55deg
 FePeak.c/s=5 #Peaks=1
 Rast=30"x3" Step=0" Pitch=-504", Yaw=-793"

GOES 10:28 10:30 10:34 Qual=01
 BCS 10:29 10:29 10:29 Qual=1
 UVSP 09:52 10:29 10:29 Code=00
 FePeak=10:29
 Exp #=5886

Event # = 20365
 80/07/07, 11:32 DOY=189 Peak Start End times
 SMM Pointing: N27W53
 Pitch=-397", Yaw=-669", Roll=0deg H. Ang=55deg
 FePeak.c/s=11 #Peaks=1
 Rast=30"x3" Step=0" Pitch=-505", Yaw=-802"

GOES 10:58 11:32 11:38 Qual=04
 BCS 11:30 11:32 11:32 Qual=1
 UVSP 11:30 11:32 11:32 Code=00
 FePeak=11:32
 Exp #=5889

Event # = 899
 80/07/07, 11:53 Start DOY=189 Peak
 Optical
 GOES 11:40 11:53 12:10 Ha...Class=SB N27W53 SMM Pointing: H. Ang=55deg
 HXRBS 11:46:27 11:51:09 11:56:07 Importance=M2 AR2550 Carr. Lon.=26deg
 BCS 11:43 11:53 12:01 CaPeak.c/s=244 Qual=01 Tot Cts=26159 #Peaks=2 dt= 6.0s XEN=18900
 FCS 11:43 11:53 12:01 CaPeak.c/s=569 Qual=1 FePeak=11:52 Rast=60"x60" Step=15" Cad=16.4s 1.024s/pixel
 HXIS 11:43 11:53 12:01 Peak3...c/s=74 Peak...c/s=1288 Rast=30"x3" Pitch=0" Step=0" Yaw=-802"
 UVSP 11:52 11:52 11:52 Wavelength=1408A Code=00 Exp #=5889 Rast=30"x3" Pitch=0" Step=0" Yaw=-802"
 Radio Frequency (MHz)/Flux(sfu): 245/150 410/100 606/68 1415/16 2695/5 4995/21 8800/41
 HXRBS 11:41:24 11:43:46 11:44:24 Peak...c/s=237 Qual=01 Tot Cts=1262 MaxkeV=127

Event # = 900
 80/07/07, 12:15 Start DOY=189 Peak
 Optical
 GOES 12:12 12:15 12:19 Ha...Class=SN N27W53 SMM Pointing: H. Ang=55deg
 HXRBS 12:13:01 12:13:18 12:13:41 Importance=C3 AR2550 Carr. Lon.=27deg
 BCS 12:13 12:13 12:15 CaPeak.c/s=74 Qual=01 FePeak=12:13 XEN=18910
 FCS 12:13 12:15 12:15 CaPeak.c/s=30 Qual=1 FePeak=12:13 Rast=180"x30" Cad=24.6s 1.024s/pixel
 UVSP 11:30 12:15 12:15 Peak3...c/s=13 Wavelength=1408A Code=00 Exp #=5889 Rast=30"x3" Pitch=0" Step=0" Yaw=-802"
 BCS 12:18 12:18 12:18 CaPeak.c/s=19 Associated Event # = 21072 XEN=18911
 FCS 12:18 12:18 12:18 Peak...c/s=12 Qual=1 FePeak=12:18 Rast=180"x30" Cad=24.6s 1.024s/pixel

Event # = 20323
 80/07/07, 13:30 Start DOY=189 Peak
 Optical
 GOES 13:28 13:30 13:37 Ha...Class=SN N27W53 SMM Pointing: H. Ang=56deg
 BCS 13:28 13:31 13:34 Importance=C2 AR2550 Carr. Lon.=27deg
 FCS 13:33 13:33 13:34 CaPeak.c/s=324 Qual=01 FePeak=13:31 dt= 3.0s XEN=18912
 HXIS 13:30 13:30 13:30 Peak3...c/s=80 Peak...c/s=325 Rast=60"x60" Cad=16.4s 1.024s/pixel
 UVSP 13:06 13:30 13:30 Wavelength=1334A Code=00 Exp #=5892 Rast=120"x120" Step=3" Pitch=-540" Yaw=-658"

Event # = 901
 80/07/07, 14:04 Start DOY=189 Peak
 Optical
 GOES 13:54 14:04 14:10 Ha...Class=SB N27W53 SMM Pointing: H. Ang=56deg
 HXRBS 13:55:03 13:55:31 13:56:13 Importance=C3 Qual=03 Tot Cts=2163 #Peaks=1 XEN=18914
 BCS 13:56 13:57 13:57 CaPeak.c/s=36 Qual=01 FePeak=13:56 Cad=16.4s 1.024s/pixel
 FCS 13:56 13:56 13:56 Peak3...c/s=87 Peak...c/s=87 Rast=60"x60" Step=15" Cad=16.4s 1.024s/pixel
 UVSP 14:36 14:36 14:36 Wavelength=1541A Exp #=5894 Rast=3"x3" Step=0" Pitch=-600" Yaw=-607"

Event # = 902
 80/07/07, 14:50 Start DOY=189 Peak
 Optical
 GOES 14:46:07 14:50:03 14:51:27 SMM Pointing: H. Ang=57deg
 HXRBS 14:43 14:43 14:43 Ha...Class=SB N27W54 Carr. Lon.=27deg
 UVSP 14:43 14:43 14:43 Peak...c/s=89 Qual=01 Tot Cts=2032 #Peaks=1 XEN=18914
 Wavelength=1548A Exp #=5895 Rast=120"x120" Step=3" Pitch=-541" Yaw=-666"

80/07/08 DOY=190

Event # = 909
 80/07/08, 00:52 DOY=190
 Start Peak
 Optical SMM Pointing: N28W57 H. Ang=59deg
 GOES 00:48 00:52 00:57 00:52 00:57 00:52 00:57 00:52 00:57 00:52
 HXRBS 00:50:10 00:51:10 00:53:55 Peak...c/s=193 Carr. Lon.=34deg H. Ang=65deg
 BCS 00:50 00:52 00:54 CaPeak.c/s=67 #Peaks=1 dt= 3.0s XEN=19000
 FCS 00:52 00:52 00:54 Peak3...c/s=133 Rast=240"x240" Step=20" Cad= 147s 1.024s/pixel
 HXIS 00:34 00:50 00:50 Peak...c/s=136 Rast=3"x3" Step=0" Pitch=-407", Yaw=-868"
 UVSP 00:34 00:50 00:50 Wavelength=2801A Code=01 Exp #=5918
 Radio Sweeps Type/Intensity: I/1 I11/2
 Radio Frequency (MHz)/Flux(sfu): 245/85 410/70 606/180
 HXRBS 00:57:40 00:57:50 00:58:25 Associated Event # = 910
 Peak...c/s=79 Qual=01
 BCS 00:59 01:00 01:03 Associated Event # = 21028
 FePeak.c/s=57 FePeak=01:00
 FCS 01:03 01:03 Peak3...c/s=210 Rast=60"x60" Step=15" Cad=16.4s 1.024s/pixel

Event # = 911
 80/07/08, 02:39 DOY=190
 Start Peak
 Optical SMM Pointing: N28W58 H. Ang=60deg
 GOES 02:37 02:39 02:43 02:39 02:43 02:39 02:43 02:39 02:43 02:39
 HXRBS 02:39:30 02:39:50 02:40:15 Importance=C1 Qual=01
 UVSP 01:51 02:39 02:40 02:40:15 Peak...c/s=239 Qual=01
 Radio Sweeps Type/Intensity: I/2 V/2
 Wavelength=1541A Code=00
 Tot Cts=1377
 Exp #=5922
 FePeak=04:17
 Exp #=5926

Event # = 20325
 80/07/08, 04:23 DOY=190
 Start Peak
 Optical SMM Pointing: N28W58 H. Ang=60deg
 GOES 04:20 04:23 04:25 04:23 04:25 04:23 04:25 04:23 04:25 04:23
 HXRBS 04:17 04:17 04:17 CaPeak.c/s=21 #Peaks=1 XEN=19002
 UVSP 04:59 04:17 04:17 Wavelength=1544A Qual=1
 Exp #=5926
 FePeak=04:17
 Exp #=5926

Event # = 912
 80/07/08, 14:47 DOY=190
 Start Peak
 Optical SMM Pointing: N28W65 H. Ang=66deg
 GOES 14:46 14:47 14:52 14:47 14:52 14:47 14:52 14:47 14:52 14:47
 HXRBS 14:47:30 14:50:40 14:55:00 Importance=C1 Qual=01
 UVSP 14:43 14:50 14:55 14:55:00 Peak...c/s=74 Qual=01
 Wavelength=1562A Code=00
 Exp #=5953
 FePeak=04:17
 Exp #=5953

Event # = 913
 80/07/08, 19:20 DOY=190
 Start Peak
 Optical SMM Pointing: N28W67 H. Ang=68deg
 GOES 19:18 19:20 19:23 19:20 19:23 19:20 19:23 19:20 19:23 19:20
 HXRBS 19:19:41 19:20:08 19:20:21 Importance=C1 Qual=01
 BCS 19:21 19:21 19:21 Peak...c/s=65 Qual=01
 UVSP 19:21 19:21 19:21 CaPeak.c/s=19 Qual=1
 Wavelength=1668A Code=02
 Exp #=5961
 FePeak=19:21
 Exp #=5961

Event # = 914
 80/07/08, 19:35 DOY=190
 Start Peak
 Optical SMM Pointing: N28W68 H. Ang=69deg
 GOES 19:29 19:35 19:38 19:35 19:38 19:35 19:38 19:35 19:38 19:35
 HXRBS 19:33:22 19:33:45 19:34:07 Importance=C1 Qual=01
 UVSP 19:29 19:33 19:34 19:34:07 Peak...c/s=70 Qual=01
 Wavelength=1680A Code=00
 Exp #=5964
 FePeak=19:21
 Exp #=5964

Event # = 20335									
80/07/08,19:41	Start	D0Y=190							
GOES	19:40	Peak	N28W68	SMM Pointing:	19:45	End times			
BCS	19:42	19:42	Qual=01	Importance=C1	19:42	19:42			
FCS	19:42	19:42	Qual=1	CaPeak.c/s=21					
UVSP	19:29	19:42	Code=00	Peak3...c/s=79					
				Wave length=1680A	Exp #=5964				
Event # = 915									
80/07/08,19:52	Start	D0Y=190							
GOES	19:49	Peak	N28W68	SMM Pointing:	19:54	End times			
HXRBS	19:51:21	19:52:37	Qual=01	Importance=C1	19:53:02				
BCS	19:52	19:52	Qual=01	Peak...c/s=84					
FCS	19:53	19:52	Qual=1	CaPeak.c/s=21					
HXIS	19:53	19:51	Code=00	Peak3...c/s=34					
UVSP	19:29	19:51		Peak...c/s=72	Exp #=5964				
				Wave length=1680A					
Event # = 916									
80/07/08,20:59	Start	D0Y=190							
GOES	20:58	Peak	N28W69	SMM Pointing:	21:00	End times			
HXRBS	20:58:52	20:59:04	Qual=05	Importance=C1	20:59:17				
UVSP	20:57	20:59	Qual=01	Peak...c/s=113					
Radio			Code=00	Wave length=1668A	Tot Cts=573				
				15400/32	Exp #=5965				
Event # = 917									
80/07/08,21:03	Start	D0Y=190							
GOES	21:01	Peak	N28W69	SMM Pointing:	21:08	End times			
HXRBS	21:02:50	21:03:20	Qual=01	Importance=C1	21:04:26				
BCS	21:03	21:03	Qual=01	Peak...c/s=90					
HXIS	21:02	21:03	Qual=1	CaPeak.c/s=19					
UVSP	21:02	21:03	Code=00	Peak...c/s=55	FePeak=21:03				
				Wave length=1667A	Exp #=5967				
				Associated	Event # = 918				
HXRBS	21:06:05	21:06:17	Qual=01	Peak...c/s=87					
UVSP	21:05	21:06		Wave length=1680A	Exp #=5968				
Event # = 919									
80/07/08,21:12	Start	D0Y=190							
GOES	21:11	Peak	N28W69	SMM Pointing:	21:13	End times			
HXRBS	21:12:17	21:12:43	Qual=01	Importance=C1	21:13:20				
UVSP	21:05	21:12	Code=00	Peak...c/s=69					
				Wave length=1680A	Exp #=5968				
Event # = 920									
80/07/08,23:17	Start	D0Y=190							
Optical		Peak	N28W69	SMM Pointing:		End times			
GOES	23:13	23:17	N16E90	Ha...Class=SB					
HXRBS	23:14:02	23:14:25	N29W69	Ha...Class=SN	AR2559				
UVSP	22:45	23:15	Code=00	Importance=C3	AR2550				
C/P	00:11	Extrap	Qual=01	Peak...c/s=94					
			Code=00	Wave length=1402A	Exp #=5972				
				PA=291deg					

80/07/09 DOY=191

Event # = 20337
 80/07/09,00:06 DOY=191
 Start Peak
 GOES 00:04 00:06
 BCS 00:07 00:07
 FCS 00:07 00:07
 UVSP 00:08
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 1415/12 2695/19 4995/29 8800/22

SMM Pointing: N28W69
 Importance=C3 Qual=01
 CaPeak.c/s=22 Qual= 5 FePeak=00:07
 Peak3..c/s=12
 Wavelength=1397A Code=02 Exp #=5973
 III/2 V/2
 Pitch=-425", Yaw=-780", Roll=0deg H. Ang=70deg
 FePeak.c/s=8 #Peaks=1 XEN=19100
 Rast=0"x0" Step=0" Cad=2.05s 2.048s/pixel
 Rast=4"x4" Step=0" Pitch=-425", Yaw=-775"

Event # = 921
 80/07/09,01:45 DOY=191
 Start Peak
 GOES 01:39 01:45
 HXRBS 01:45:31 01:45:43
 BCS 01:45 01:45
 FCS 01:45
 UVSP 01:43
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 1415/12 2695/19 4995/29 8800/22

SMM Pointing: N28W71
 Importance=C1 Qual=01
 Peak...c/s=427 Qual=01
 CaPeak.c/s=31 Qual= 1 Tot Cts=6046
 Peak3..c/s=63 FePeak=01:45
 Wavelength=1397A Code=00 Exp #=5976
 Associated Event # = 20368
 CaPeak.c/s=31 Qual= 1 FePeak=01:42
 Peak3..c/s=64
 Pitch=-422", Yaw=-792", Roll=0deg H. Ang=72deg
 MaxkeV=262 XEN=19102
 FePeak.c/s=14 #Peaks=1
 Rast=0"x0" Step=0" Cad=2.05s 2.048s/pixel
 Rast=4"x4" Step=0" Pitch=-402", Yaw=-767"
 FePeak.c/s=12 #Peaks=1 XEN=19101
 Rast=0"x0" Step=0" Cad=3840s 3840s/pixel

Event # = 922
 80/07/09,02:15 DOY=191
 Start Peak
 GOES 02:11 02:20
 HXRBS 02:14:45 02:15:12
 BCS 02:15 02:16
 FCS 02:15
 UVSP 01:56
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 245/4500 410/4800 606/40

SMM Pointing: N28W71
 Importance=C2 Qual=01
 Peak...c/s=523 Qual=01
 CaPeak.c/s=31 Qual= 1 Tot Cts=59760
 Peak3..c/s=49 FePeak=02:16
 Wavelength=1402A Code=00 Exp #=5978
 III/1 V/1
 245/4500 410/4800 606/40
 Associated Event # = 20373
 CaPeak.c/s=44 Qual= 1 FePeak=02:20
 Peak3..c/s=38
 Wavelength=1402A
 Exp #=5979
 Pitch=-422", Yaw=-792", Roll=0deg H. Ang=72deg
 MaxkeV=262 XEN=19104
 FePeak.c/s=10 #Peaks=1
 Rast=0"x0" Step=0" Cad=2.05s 2.048s/pixel
 Rast=12"x12" Step=4" Pitch=-398", Yaw=-827"
 FePeak.c/s=13 #Peaks=1 XEN=19105
 Rast=0"x0" Step=0" Cad=2.05s 2.048s/pixel
 Rast=12"x12" Step=4" Pitch=-398", Yaw=-828"

Event # = 923
 80/07/09,21:18 DOY=191
 Start Peak
 Optical
 GOES 21:15 21:18
 HXRBS 21:12:45 21:12:55 21:14:00

SMM Pointing: N28W78
 Ha...Class=SF S02E41
 Importance=C1 Qual=01
 Peak...c/s=69 Qual=01
 Carr. Lon.=2655deg
 Mac.=CSO
 MaxkeV=55
 Pitch=-429", Yaw=-817", Roll=0deg H. Ang=77deg
 H. Ang=41deg

Event # = 924
 80/07/09,22:59 DOY=191
 Start Peak
 Optical
 GOES 22:56 22:59
 HXRBS 22:57:25 22:59:50 23:02:30
 BCS 22:58 22:59
 FCS 23:01
 UVSP 22:48
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 1415/12 2695/19 4995/29 8800/22

SMM Pointing: N28W85
 Ha...Class=SF N20E70
 Importance=C2 Qual=01
 Peak...c/s=138 Qual=01
 CaPeak.c/s=71 Qual= 1 Tot Cts=2288
 Peak3..c/s=151 FePeak=22:59
 Wavelength=2869A Code=00 Exp #=5981
 V/1
 Carr. Lon.=2355deg
 Mac.=DSO
 MaxkeV=127 XEN=19106
 FePeak.c/s=20 #Peaks=1
 Rast=300"x300" Step=15" Cad= 410s 1.024s/pixel
 Rast=3"x3" Step=0" Pitch=-441", Yaw=-816"

80/07/10 DOY=192

Event # = 925
 80/07/10, 01:50 Start Peak DOY=192
 SMM Pointing: N28W87
 Qual=00
 HXRBS 01:50:15 01:50:20 01:50:30 Peak...c/s=139
 UVSP 01:46 01:50:20 01:50:30 Wavelength=1409A
 Pitch=-434", Yaw=-837", Roll=0deg H. Ang=86deg
 MaxkeV=127
 Rast=30"x3" Step=0" Pitch=-460", Yaw=-822"

Event # = 926
 80/07/10, 02:28 Start Peak DOY=192
 SMM Pointing: N28W87
 Qual=01
 HXRBS 02:25 02:28 02:31 Importance=C2
 BCS 02:27:40 02:28:20 02:30:30 Peak...c/s=209
 FCS 02:28 02:28 02:30 CaPeak.c/s=34
 HXIS 02:28 02:28 02:28 Peak3...c/s=12
 UVSP 01:46 02:27 02:27 Peak...c/s=88
 Wavelength=1409A Code=00 Exp #=5988
 Pitch=-434", Yaw=-837", Roll=0deg H. Ang=86deg
 MaxkeV=127
 FePeak.c/s=13 #Peaks=1 XEN=19200
 Rast=240"x240" Step=15" Cad= 524s 2.048s/pixel
 Rast=30"x3" Step=0" Pitch=-460", Yaw=-822"

Event # = 927
 80/07/10, 03:57 Start Peak DOY=192
 SMM Pointing: N28W88
 Qual=01
 HXRBS 03:54 03:57 03:59 Importance=C2
 BCS 03:55:50 03:56:55 03:58:50 Peak...c/s=535
 FCS 03:56 03:57 03:58 CaPeak.c/s=108
 HXIS 03:56 03:56 03:57 Peak3...c/s=11
 UVSP 03:21 03:57 03:57 Peak...c/s=256
 Radio Sweeps Type/Intensity: V/I
 Radio Frequency (MHz)/Flux(sfu): 410/46
 Pitch=-435", Yaw=-837", Roll=0deg H. Ang=86deg
 MaxkeV=127
 FePeak.c/s=38 #Peaks=1 XEN=19201
 Rast=0"x0" Step=0" Cad=3840s 3840s/pixel
 Rast=30"x3" Step=0" Pitch=-451", Yaw=-813"

Event # = 928
 80/07/10, 05:01 Start Peak DOY=192
 SMM Pointing: N28W88
 Qual=01
 HXRBS 04:59 05:01 05:04 Importance=C2
 BCS 05:01:35 05:01:45 05:02:20 Peak...c/s=120
 UVSP 04:53 05:02 05:02 CaPeak.c/s=21
 Radio Frequency (MHz)/Flux(sfu): 245/210 410/96
 Wavelength=1348A Code=00 Exp #=5993
 Pitch=-436", Yaw=-837", Roll=0deg H. Ang=86deg
 MaxkeV=55
 FePeak.c/s=11 #Peaks=1 XEN=19202
 Rast=4"x60" Step=4" Pitch=-445", Yaw=-821"

Event # = 929
 80/07/10, 09:44 Start Peak DOY=192
 SMM Pointing: N28W88
 Qual=01
 HXRBS 09:41 09:44 09:46 Importance=C2
 UVSP 09:43:20 09:43:25 09:44:50 Peak...c/s=95
 Wavelength=1349A Code=00 Exp #=6012
 Pitch=-443", Yaw=-833", Roll=0deg H. Ang=86deg
 MaxkeV=55
 Rast=240"x240" Step=10" Pitch=-505", Yaw=-883"

Event # = 930
 80/07/10, 10:19 Start Peak DOY=192
 SMM Pointing: N28W88
 Qual=01
 HXRBS 10:16 10:19 10:21 Importance=C2
 UVSP 10:17:50 10:18:15 10:20:25 Peak...c/s=79
 Wavelength=1349A Code=00 Exp #=6016
 Pitch=-443", Yaw=-833", Roll=0deg H. Ang=86deg
 MaxkeV=55
 Rast=240"x240" Step=10" Pitch=-505", Yaw=-884"

Event # = 12675
 80/07/10, 11:12 DOY=192
 Start Peak End times
 HXRBS 11:12:48 11:12:51 11:12:58
 UVSP 11:17

SMM Pointing: N28W88
 Peak...c/s=54 Qual=01 Tot Cts=73
 Wavelength=1347A Exp #=6019
 Pitch=-441", Yaw=-834", Roll=0deg H. Ang=86deg
 MaxkeV=151
 Rast=10"x10" Step=0" Pitch=-448", Yaw=-774"

Event # = 931
 80/07/10, 13:00 DOY=192
 Start Peak End times
 Optical
 GOES 12:50 13:00 13:01
 HXRBS 12:59:40 13:00:50 13:02:30
 UVSP 12:55

SMM Pointing:
 Ha...Class=SN S10E90
 Importance=C1 Qual=01
 Peak...c/s=68 Qual=01
 Wavelength=1349A Code=00 Exp #=6028
 410/68 606/37 1415/44 2695/74
 Radio Frequency(MHz)/Flux(sfu):

Event # = 932
 80/07/10, 14:41 DOY=192
 Start Peak End times
 SMM Pointing: N28W86
 GOES 14:39:00 14:41:45 14:43:35
 HXRBS
 UVSP 14:35

SMM Pointing:
 Peak...c/s=67 Qual=00
 Wavelength=1349A Qual=01
 Exp #=6036
 Pitch=-443", Yaw=-830", Roll=0deg H. Ang=84deg

Event # = 933
 80/07/10, 15:43 DOY=192
 Start Peak End times
 GOES 15:16 15:43 16:20
 HXRBS 15:58:05 15:58:15 15:58:45
 UVSP 16:05

SMM Pointing:
 Importance=C6 Qual=05
 Peak...c/s=68 Qual=01
 Wavelength=1347A Exp #=6043
 Pitch=-443", Yaw=-830", Roll=0deg H. Ang=84deg

Event # = 934
 80/07/10, 17:39 DOY=192
 Start Peak End times
 Optical
 GOES 17:36 17:39 17:47
 HXRBS 17:38:55 17:39:20 17:39:30

SMM Pointing:
 Ha...Class=SB S01E32
 Ha...Class=SN N14E04
 Importance=C2 Qual=04
 Peak...c/s=114 Qual=01 Tot Cts=260
 Pitch=-440", Yaw=-839", Roll=0deg

Event # = 935
 80/07/10, 21:22 DOY=192
 Start Peak End times
 GOES 21:20 21:22 21:23
 HXRBS 21:22:05 21:22:20 21:23:00
 UVSP 21:00

SMM Pointing:
 Importance=C1 Qual=01
 Peak...c/s=62 Qual=01
 Wavelength=1400A Code=00 Exp #=6057
 Pitch=-443", Yaw=-835", Roll=0deg H. Ang=88deg

Event # = 936
 80/07/10, 21:26 DOY=192
 Start Peak End times
 GOES 21:23 21:26 21:30
 HXRBS 21:25:00 21:26:05 21:27:00
 UVSP 21:00

SMM Pointing:
 Importance=C1 Qual=01
 Peak...c/s=53 Qual=01
 Wavelength=1400A Code=00 Exp #=6057
 Pitch=-443", Yaw=-835", Roll=0deg H. Ang=88deg

Event # = 937
 80/07/10, 21:26 DOY=192
 Start Peak End times
 GOES 21:23 21:26 21:30
 HXRBS 21:25:00 21:26:05 21:27:00
 UVSP 21:00

Event # = 937		80707/11,01:54		DOY=193		SMM Pointing:		N28W90		Pitch=-443", Yaw=-835", Roll=0deg		H. Ang=88deg	
GOES	01:53	01:54	01:57	Importance=C1	Qual=01								
HXRBS	01:53:25	01:54:25	01:55:55	Peak...c/s=76	Qual=01								
UVSP	01:43			Wavelength=1548A	Code=00	Exp #=6068					Step=0"	Pitch=-466"	Yaw=-821"
Event # = 938		80707/11,05:34		DOY=193		SMM Pointing:		N18E85		Pitch=-288", Yaw=+896", Roll=0deg		H. Ang=84deg	
GOES	05:30	05:34	05:49	Importance=C1	Qual=03								
HXRBS	05:31:15	05:31:35	05:31:55	Peak...c/s=103	Qual=01	Tot Cts=501							
UVSP	05:01			Wavelength=1547A	Code=00	Exp #=6073							
Radio Sweeps		Type/Intensity:		III/2									
Event # = 939		80707/11,06:34		DOY=193		SMM Pointing:		N04W00		Pitch=+1", Yaw=+2", Roll=0deg		H. Ang=0deg	
Optical				Ha...Class=1B	Qual=04								
GOES	06:24	06:34	06:48	Importance=C2	Qual=04								
HXRBS	06:26:40	06:29:15	06:30:00	Peak...c/s=70	Qual=02	Tot Cts=747							
UVSP	06:32			Wavelength=1215A	Code=00	Exp #=6076							
Radio Sweeps		Type/Intensity:		V/1									
Event # = 940		80707/11,08:17		DOY=193		SMM Pointing:		N28W88		Pitch=-441", Yaw=-834", Roll=0deg		H. Ang=86deg	
GOES	08:15	08:17	08:42	Importance=C2	Qual=01								
HXRBS	08:15:05	08:17:50	08:20:20	Peak...c/s=68	Qual=01	Tot Cts=3622							
BCS	08:14	08:20	08:42	CaPeak.c/s=57	Qual= 1	FePeak=08:20							
FCS		08:22		Peak3...c/s=101									
HXIS		08:18		Peak...c/s=125									
UVSP	08:09			Wavelength=1349A	Code=00	Exp #=6090							
Event # = 4286		80707/11,12:05		DOY=193		SMM Pointing:		N28W88		Pitch=-441", Yaw=-834", Roll=0deg		H. Ang=86deg	
GOES	11:58	12:05	12:16	Importance=C4	Qual=03								
HXRBS	12:00:00	12:01:00	12:02:43	Peak...c/s=185	Qual=01	Tot Cts=4382							
UVSP	11:15			Wavelength=1348A	Code=00	Exp #=6093							
Event # = 944		80707/11,12:57		DOY=193		SMM Pointing:		N28W88		Pitch=-441", Yaw=-834", Roll=0deg		H. Ang=86deg	
Optical				Ha...Class=1B	Qual=01								
GOES	12:53	12:57	13:03	Importance=C8	Qual=01	AR2562							
HXRBS	12:55:25	12:55:45	13:03:20	Peak...c/s=408	Qual=01	Tot Cts=12051							
UVSP	12:50			Wavelength=1348A	Code=00	Exp #=6094							
Radio				Frequency(MHz)/Flux(sfu):	410/5 1415/9 2695/14 4995/16								
HXRBS	12:50:25	12:50:50	12:51:15	Peak...c/s=197	Qual=01	Tot Cts=3038							
HXRBS	12:51:25	12:53:00	12:53:50	Peak...c/s=180	Qual=01	Tot Cts=2337							
Associated		Event # = 943		Associated		Event # = 943		Associated		Event # = 943		Associated	
Flags=ND		Flags=ND		Flags=ND		Flags=ND		Flags=ND		Flags=ND		Flags=ND	

Event # = 4278	DOY=193	SMM Pointing:	N28W85	Pitch=-440", Yaw=-831", Roll=0deg	H. Ang=84deg
80/07/11,15:18	Peak	Ha...Class=18	S10E73	Mac.=DKI	H. Ang=74deg
Optical	End times	Importance=C4	Qual=01	MaxkeyV=262	Flags=I
GOES 15:12	15:22	Peak...c/s=319	Qual=01	Rast=240"x240"	Pitch=-507", Yaw=-883"
HXRBS 15:11:58	15:22:38	WaveLength=1349A	Code=02	Tot Cts=15189	
UVSP 15:18		Frequency(MHz)/Flux(sfu):	245/32 410/11 2695/20 4995/20 8800/9		
Event # = 945	DOY=193	SMM Pointing:	S12E03	Pitch=+261", Yaw=+47", Roll=0deg	H. Ang=16deg
80/07/11,19:04	Peak	Ha...Class=28	S10E70	Mac.=DKI	H. Ang=71deg
Optical	End times	Importance=M9	Qual=05	MaxkeyV=127	
GOES 18:50	19:30	Peak...c/s=87	Qual=01	Rast=4"x4"	Step=0"
HXRBS 19:12:12	19:14:32	WaveLength=1397A			Pitch=+256", Yaw=+51"
UVSP 19:17		Frequency(MHz)/Flux(sfu):	Exp #=6113		
Event # = 946	DOY=193	SMM Pointing:	S12E02	Pitch=+261", Yaw=+33", Roll=0deg	H. Ang=16deg
80/07/11,19:44	Peak	Ha...Class=SB	S11E74	Mac.=DKI	H. Ang=75deg
Optical	End times	Importance=M1	Qual=03	MaxkeyV=127	
GOES 19:42	19:55	Peak...c/s=224	Qual=01	Rast=8"x100"	Step=4"
HXRBS 19:43:56	19:46:06	WaveLength=1402A	Code=00	Tot Cts=8592	Pitch=+256", Yaw=+51"
UVSP 19:30				Exp #=6115	
Event # = 20345	DOY=193	SMM Pointing:	S12E02	Pitch=+261", Yaw=+33", Roll=0deg	H. Ang=16deg
80/07/11,20:47	Peak	Ha...Class=SN	S08E74	Mac.=DKI	H. Ang=75deg
Optical	End times	Importance=C4	Qual=04	FePeak.c/s=8	XEN=19305
GOES 20:41	21:30	CaPeak.c/s=32	Qual= 5	Rast=180"x180"	Step=10"
BCS 20:52	21:10	Peak3...c/s=201		Cad= 664s	2.048s/pixel
FCS 20:57		Peak...c/s=76			
HXIS 20:49		WaveLength=1399A	Code=02	Rast=4"x4"	Pitch=+277", Yaw=+72"
UVSP 20:49		Associated	Qual= 1	Exp #=6116	
BCS 21:12	21:16	CaPeak.c/s=21		Event # = 20375	
FCS 21:15		Peak3...c/s=85		FePeak=21:14	XEN=19317
UVSP 21:00		WaveLength=1400A		Exp #=6118	XEN=19317
BCS 21:19	21:19	Associated	Qual= 1	Event # = 20376	
UVSP 21:00		CaPeak.c/s=19		FePeak=21:19	XEN=19312
		WaveLength=1400A		Exp #=6118	XEN=19312
Event # = 20377	DOY=193	SMM Pointing:	S11E85	Pitch=+181", Yaw=+926", Roll=0deg	H. Ang=86deg
80/07/11,21:40	Peak	Importance=C3	Qual=02	FePeak.c/s=8	XEN=19313
GOES 21:30	21:45	CaPeak.c/s=25	Qual= 2	Rast=120"x120"	Step=4"
BCS 21:31	21:31	WaveLength=1400A	Code=00	FePeak=21:31	Pitch=+190", Yaw=+902"
UVSP 21:00				Exp #=6118	

Event # = 4279	DOY=194	SMM Pointing:	NO4W00	Pitch=+1",	Yaw=+5",	Roll=0deg	H. Ang=0deg
80/07/12,13:45	Peak	End times		Mac.=DKI	Carr. Lon.=208deg		H. Ang=63deg
Optical				MaxkeV=127	Flags=I		
GOES 13:41	13:45	13:56	Ha...Class=SB	Rast=120"x120"	Step=3"	Pitch=+197",	Yaw=+841"
HXRBS 13:41:36	13:43:10	13:44:56	Importance=M1				
HXIS 13:42	13:42		Peak...c/s=1621				
UVSP 12:57			Peak...c/s=224				
Radio	Frequency(MHz)/Flux(sfu):		WaveLength=1400A				
			Code=00				
			Exp #=6150				
			2695/25 4995/30 8800/52 15400/70				
Event # = 954	DOY=194	SMM Pointing:	S12E81	Pitch=+200",	Yaw=+916",	Roll=0deg	H. Ang=83deg
80/07/12,14:36	Peak	End times		MaxkeV=127			
GOES 14:33:07	14:36:01	14:38:07	Qual=00	Rast=120"x120"	Step=3"	Pitch=+210",	Yaw=+931"
HXRBS 14:33			Qual=01				
UVSP 14:33			Tot Cts=5952				
			Exp #=6153				
			WaveLength=1349A				
Event # = 955	DOY=194	SMM Pointing:	S12E81	Pitch=+200",	Yaw=+916",	Roll=0deg	H. Ang=83deg
80/07/12,14:47	Peak	End times		MaxkeV=55			
GOES 14:44	14:47	14:50	Qual=01	Rast=120"x120"	Step=3"	Pitch=+210",	Yaw=+931"
HXRBS 14:44:10	14:44:56	14:46:20	Importance=C2				
UVSP 14:33			Peak...c/s=66				
			WaveLength=1349A				
			Code=00				
			Exp #=6153				
Event # = 20351	DOY=194	SMM Pointing:	S12E81	Pitch=+200",	Yaw=+916",	Roll=0deg	H. Ang=83deg
80/07/12,15:47	Peak	End times		Mac.=DKI	Carr. Lon.=209deg		H. Ang=61deg
Optical				Rast=3"x3"	Step=0"	Pitch=+211",	Yaw=+945"
GOES 15:40	15:47	15:51	Ha...Class=1B				
HXIS 15:57	15:57		Importance=M3				
UVSP 16:00			Peak...c/s=541				
Radio	Frequency(MHz)/Flux(sfu):		WaveLength=1347A				
			Code=00				
			Exp #=6154				
			2695/100 4995/350 8800/660 15400/250				
Event # = 956	DOY=194	SMM Pointing:	S11E82	Pitch=+193",	Yaw=+918",	Roll=0deg	H. Ang=83deg
80/07/12,17:38	Peak	End times		Mac.=DKI	Carr. Lon.=209deg		H. Ang=60deg
Optical				MaxkeV=262	Flags=M		
GOES 17:32	17:38	17:43	Ha...Class=1B	Rast=3"x3"	Step=0"	Pitch=+211",	Yaw=+945"
HXRBS 17:35:25	17:36:15	17:39:50	Importance=C7				
HXIS 17:37	17:37		Peak...c/s=2799				
UVSP 17:36			Peak...c/s=245				
Radio	Frequency(MHz)/Flux(sfu):		WaveLength=1347A				
			Code=00				
			Exp #=6156				
			4995/82 8800/120 15400/170				
Event # = 958	DOY=194	SMM Pointing:	S11E82	Pitch=+194",	Yaw=+918",	Roll=0deg	H. Ang=83deg
80/07/12,19:33	Peak	End times		Mac.=DKI	Carr. Lon.=207deg		H. Ang=62deg
Optical				MaxkeV=127	#Peaks=3	dt= 6.0s	XEN=19423
GOES 19:20	19:33	19:40	Ha...Class=SN	Rast=0"x0"	Step=0"	Cad=.26s	0.256s/pixel
HXRBS 19:22:45	19:23:30	19:25:05	Importance=C5				
BGS 19:22	19:33	19:43	Peak...c/s=115				
FCS 19:24	19:24		CaPeak.c/s=89				
HXIS 19:31	19:31		Peak3...c/s=171				
UVSP 19:16			Peak...c/s=144				
			WaveLength=1349A				
			Code=00				
			Exp #=6159				
			Associated				
			Event # = 957				
			Qual=01				
			Peak...c/s=67				
HXRBS 19:21:05	19:21:10	19:21:30					

Event # = 20496
 80/07/14, 17:46 DOY=196 S14E32 H. Ang=36deg
 Start Peak
 GOES 17:44 17:46 17:49 17:46 FePeak=17:46
 BCS 17:44 17:44 CaPeak.c/s=24 Qual=06
 FCS 17:44 17:44 Peak3..c/s=400 Qual=1
 UVSP 17:46 17:46 Wavelength=1405A Exp #=6284
 SMM Pointing: dt= 6.1s XEN=19618
 #Peaks=1 Cad=3840s 3840s/pixel
 Step=0" Pitch=+265", Yaw=+506"
 Step=4" Rast=12"x12"

80/07/15 DOY=197
 Event # = 988
 80/07/15, 01:30 DOY=197 S14E27 H. Ang=32deg
 Start Peak
 Optical
 GOES 01:28 01:30 01:35 01:30 FePeak=127 H. Ang=37deg
 HXRBS 01:29:30 01:30:15 01:31:15 01:31:15 Carr. Lon.=206deg
 BCS 01:30 01:31 01:32 01:30 Tot Cts=4157 #Peaks=1 XEN=19700
 FCS 01:32 01:32 01:32 01:30 FePeak=01:30 Step=0" Cad=.26s 0.256s/pixel
 HXIS 01:30 01:30 Peak3..c/s=388 Rast=240"x240" Step=3" Pitch=+245", Yaw=+385"
 UVSP 01:30 01:30 Peak...c/s=99 WaveLength=1400A Code=02 Exp #=6306

Event # = 989
 80/07/15, 08:45 DOY=197 S14E23 H. Ang=29deg
 Start Peak
 GOES 08:43 08:45 08:50 08:50 SMM Pointing: Pitch=+291", Yaw=+362", Roll=0deg
 HXRBS 08:45:00 08:45:25 08:46:55 08:47:00 Importance=C3 Qual=03
 BCS 08:45 08:46 08:47 08:47 Peak...c/s=307 Qual=01
 FCS 08:45 08:46 08:47 08:47 CaPeak.c/s=28 Qual=1
 UVSP 08:01 08:46 08:46 08:46 Peak3..c/s=388
 Radio Frequency(MHz)/Flux(sfu): 410/91 606/91 1415/16 2695/18 4995/27 8800/23
 MaxkeV=127 #Peaks=1 XEN=19701
 FePeak.c/s=19 Step=0" Cad=3840s 3840s/pixel
 Rast=0"x0" Pitch=+285", Yaw=+359"
 Rast=3"x3"

Event # = 990
 80/07/15, 09:37 DOY=197 S14E22 H. Ang=29deg
 Start Peak
 GOES 09:35 09:37 09:45 09:45 SMM Pointing: Pitch=+292", Yaw=+350", Roll=0deg
 HXRBS 09:37:30 09:37:40 09:39:10 09:48:00 Importance=C4 Qual=01
 BCS 09:34 09:40 09:48 09:48 Peak...c/s=66 Qual=01
 FCS 09:35 09:40 09:48 09:48 CaPeak.c/s=61 Qual=1
 HXIS 09:36 09:38 09:38 09:38 Peak...c/s=388
 UVSP 09:36 09:38 09:38 09:38 Peak...c/s=115
 Radio Frequency(MHz)/Flux(sfu): 245/320
 MaxkeV=55 #Peaks=1 dt= 6.1s XEN=19712
 FePeak.c/s=16 Step=0" Cad=3840s 3840s/pixel
 Rast=0"x0" Pitch=+299", Yaw=+366"
 Rast=3"x3"

Event # = 991
 80/07/15, 09:53 DOY=197 S14E22 H. Ang=29deg
 Start Peak
 GOES 09:51 09:53 09:57 09:57 SMM Pointing: Pitch=+292", Yaw=+350", Roll=0deg
 HXRBS 09:53:00 09:53:30 09:55:20 09:56:00 Importance=C3 Qual=01
 BCS 09:53 09:54 09:56 09:56 Peak...c/s=320 Qual=01
 FCS 09:54 09:54 09:56 09:56 CaPeak.c/s=37 Qual=1
 UVSP 09:36 09:54 09:54 09:54 Peak3..c/s=388
 Radio Frequency(MHz)/Flux(sfu): 410/60 606/170
 MaxkeV=127 #Peaks=1 XEN=19705
 FePeak.c/s=13 Step=0" Cad=3840s 3840s/pixel
 Rast=0"x0" Pitch=+299", Yaw=+366"
 Rast=3"x3"

Event # = 1007
 80/07/18,04:55 DOY=200 SMM Pointing: S13W10 H.Ang=20deg
 Start Peak Carr. Lon.=214deg H.Ang=25deg
 Optical Mac.=EHI
 GOES 04:54:38 04:55:20 04:56:28 Peak...c/s=87 MaxkeV=127
 HXRBS 04:45 Type/Intensity: III/2 Rast=12"x12" Pitch=+301", Yaw=-176"
 UVSP Radio Sweeps Frequency(MHz)/Flux(sfu): 245/94 410/320 606/38 Exp #=6470

Event # = 1008
 80/07/18,06:13 DOY=200 SMM Pointing: S13W11 H.Ang=21deg
 Start Peak MaxkeV=55
 GOES 06:12:49 06:13:05 06:13:29 Peak...c/s=67 Rast=4"x4" Pitch=+300", Yaw=-188"
 HXRBS UVSP WaveLength=1397A Exp #=6471

Event # = 1009
 80/07/18,06:57 DOY=200 SMM Pointing: S13W11 H.Ang=21deg
 Start Peak Importance=C2
 GOES 06:54 07:00 Peak...c/s=211 Qual=01
 HXRBS 06:55:08 06:55:30 06:56:08 Peak...c/s=211 Tot Cts=2443
 UVSP Radio Frequency(MHz)/Flux(sfu): 4995/20 8800/20 WaveLength=1402A Code=00 Exp #=6473

Event # = 1010
 80/07/18,09:22 DOY=200 SMM Pointing: S13W13 H.Ang=22deg
 Start Peak MaxkeV=263
 GOES 09:19:52 09:22:49 09:24:02 Peak...c/s=94 Rast=4"x4" Pitch=+300", Yaw=-249"
 HXRBS UVSP WaveLength=1397A Exp #=6477

80/07/19 DOY=201
 Event # = 1011
 80/07/19,00:10 DOY=201 SMM Pointing: S13W21 H.Ang=27deg
 Start Peak Carr. Lon.=206deg H.Ang=28deg
 Optical Mac.=EHI
 GOES 00:08 00:10 00:15 Peak...c/s=239 MaxkeV=127
 HXRBS 00:07:20 00:07:40 00:09:20 Peak...c/s=62 FePeak.c/s=15 #Peaks=1 dt= 3.0s XEN=20100
 BCS 00:07 00:09 00:13 Peak...c/s=101 Rast=60"x60" Pitch=+285", Yaw=-371"
 HXIS UVSP Frequency(MHz)/Flux(sfu): 4995/30 8800/19 Exp #=6504

Event # = 1012
 80/07/19,00:35 DOY=201 SMM Pointing: S13W21 H.Ang=27deg
 Start Peak MaxkeV=127
 GOES 00:27:15 00:35:55 00:40:10 Peak...c/s=101 Flags=ES
 HXRBS UVSP WaveLength=1400A Qual=03 Rast=60"x60" Pitch=+285", Yaw=-371"
 Exp #=6504 Tot Cts=19000

Event # = 1039	DOY=206	SMM Pointing:	S19W01	Pitch=+387" , Yaw=-21" , Roll=0deg	H. Ang=24deg
80/07/24, 11:43	Peak	Importance=C2	Qual=02		
GOES 11:39	11:43	Peak...c/s=93	Qual=01		
HXRBS 11:38:55	11:39:10	Wavelength=1550A	Code=00	Tot Cts=1840	MaxkeV=55
UVSP 11:28				Exp #=6953	Rast=30" x6" Step=3" Pitch=+409" , Yaw=-2"
80/07/25 DOY=207					
Event # = 1040	DOY=207	SMM Pointing:	N05W00	Pitch=+3" , Yaw=+5" , Roll=0deg	H. Ang=0deg
80/07/25, 15:51	Peak	Ha...Class=SF	S29W73	Carr. Lon.=170deg	H. Ang=78deg
Optical 15:37	15:51	Importance=C5	Qual=03		
GOES 15:38:25	15:41:10	Peak...c/s=90	Qual=01	Tot Cts=3830	MaxkeV=55
HXRBS 15:44		Wavelength=1301A	Code=00	Exp #=7021	Rast=120" x120" Step=3" Pitch=+7" , Yaw=-82"
Radio		Frequency(MHz)/Flux(sfu):	245/270		
80/07/26 DOY=208					
Event # = 1041	DOY=207	SMM Pointing:	S19W28	Pitch=+385" , Yaw=-414" , Roll=0deg	H. Ang=37deg
80/07/25, 21:00	Peak	Importance=C3	Qual=02		
GOES 20:55	21:00	Peak...c/s=91	Qual=03	Flags=ES	
HXRBS 20:57:31	20:58:10	Wavelength=1397A	Code=02	Exp #=7039	Rast=4" x4" Step=0" Pitch=+344" , Yaw=-469"
UVSP 21:02					
80/07/26 DOY=208					
Event # = 1042	DOY=208	SMM Pointing:	N11W08	Pitch=-95" , Yaw=-126" , Roll=0deg	H. Ang=10deg
80/07/26, 01:20	Peak	Ha...Class=IN	S05E51	Mac.=DAO	H. Ang=52deg
Optical 01:14	01:20	Importance=C6	Qual=04		
GOES 01:16:18	01:19:42	Peak...c/s=189	Qual=01	Tot Cts=57065	MaxkeV=128
HXRBS 01:19		Wavelength=1402A	Code=00	Exp #=7050	Rast=28" x28" Step=4" Pitch=-96" , Yaw=-123"
UVSP 01:19					
80/07/26 DOY=208					
Event # = 1043	DOY=208	SMM Pointing:	N11W09	Pitch=-94" , Yaw=-147" , Roll=0deg	H. Ang=11deg
80/07/26, 01:52	Peak	Peak...c/s=123	Qual=01		
GOES 01:52:29	01:52:45	Wavelength=1402A	Code=00	Tot Cts=639	MaxkeV=55
HXRBS 01:19				Exp #=7050	Rast=28" x28" Step=4" Pitch=-96" , Yaw=-123"
UVSP 01:19					
80/07/26, 11:36 DOY=208					
Event # = 1044	DOY=208	SMM Pointing:	N11W15	Pitch=-96" , Yaw=-236" , Roll=0deg	H. Ang=16deg
80/07/26, 11:36	Peak	Importance=C1	Qual=01		
GOES 11:34	11:36	Peak...c/s=65	Qual=01		
HXRBS 11:36:08	11:36:40	Wavelength=1553A	Code=00	Exp #=7074	MaxkeV=55
UVSP 11:22					Rast=81" x41" Step=2" Pitch=-162" , Yaw=-271"
80/07/26, 13:09 DOY=208					
Event # = 1045	DOY=208	SMM Pointing:	N11W16	Pitch=-93" , Yaw=-253" , Roll=0deg	H. Ang=17deg
80/07/26, 13:09	Peak	Ha...Class=SN	N17E64	Mac.=DAO	H. Ang=64deg
Optical 13:06	13:09	Importance=C4	Qual=01	AR2591	
GOES 13:06:33	13:07:25	Peak...c/s=94	Qual=01	MaxkeV=55	
HXRBS 13:06:33	13:07:25	Wavelength=1553A	Code=00	Exp #=7076	Rast=81" x41" Step=2" Pitch=-162" , Yaw=-286"
UVSP 13:03					

80/08/12 DOY=225

Event # = 1068
 80/08/12,06:17 DOY=225 H. Ang=85deg
 Start Peak
 SMM Pointing: S27E81
 Ha...Class=SB Carr. Lon.=166deg
 Optical N13E71 AR2618 H. Ang=66deg
 Ha...Class=SF AR2620 H. Ang=70deg
 Importance=C5
 Qual=01
 Peak...c/s=128 Tot Cts=3807
 HXRBS 06:04:01 06:05:17 06:08:01 FePeak.c/s=19
 BCS 05:54 06:12 06:17 CaPeak.c/s=102
 FCS 06:17 06:17 Peak3...c/s=195
 UVSP 05:38 06:17 Wavelength=1549A Code=00 Exp #=7827
 C/P 07:02 PA=104deg Irregular structure, poss. loop like
 Radio Sweeps II/1
 Frequency (MHz)/Flux(sfu): 245/27 2695/12 4995/5

Event # = 1267
 80/08/12,18:55 DOY=225 H. Ang=84deg
 Start Peak
 SMM Pointing: S16E82
 HXRBS 18:55:44 18:55:45 18:55:48 Peak...c/s=35
 UVSP 18:50 18:50 Wavelength=1371A Exp #=7880
 Flags=NS
 Pitch=180"x180" Step=10" Pitch=+255", Yaw=+910"

Event # = 1069
 80/08/12,21:37 DOY=225 H. Ang=84deg
 Start Peak
 SMM Pointing: S16E82
 GOES 21:35 21:37 21:40 Qual=01
 HXRBS 21:36:18 21:37:49 21:38:48 Importance=C1
 UVSP 21:34 21:34 Peak...c/s=65
 Wavelength=1349A Code=00 Exp #=7891
 MaxkeV=56
 Rast=240"x240" Step=10" Pitch=+200", Yaw=+880"

80/08/13 DOY=226

Event # = 20689
 80/08/13,00:36 DOY=226 H. Ang=84deg
 Start Peak
 SMM Pointing: S16E82
 GOES 00:31 00:36 Qual=00
 UVSP 00:31 00:36 Wavelength=1349A Exp #=7907
 C/P 00:36 PA=55deg
 Pitch=+277", Yaw=+902", Roll=0deg
 Rast=240"x240" Step=10" Pitch=+200", Yaw=+880"

Event # = 1070
 80/08/13,01:13 DOY=226 H. Ang=84deg
 Start Peak
 SMM Pointing: S16E82
 GOES 01:10 01:13 01:22 Qual=01
 HXRBS 01:12:02 01:13:14 01:14:02 Importance=C1
 UVSP 01:01 01:01 Peak...c/s=60
 Wavelength=1349A Code=00 Exp #=7911
 MaxkeV=56
 Rast=240"x240" Step=10" Pitch=+200", Yaw=+880"

Event # = 1071
 80/08/13,13:07 DOY=226 H. Ang=85deg
 Start Peak
 SMM Pointing: S16E83
 Optical S28E45 AR2618 H. Ang=56deg
 GOES 12:46 13:07 13:52 Qual=05
 HXRBS 13:14:52 13:15:08 13:21:32 Importance=M3
 UVSP 13:16 13:16 Peak...c/s=96
 C/P 13:21 13:21 Wavelength=1392A Code=02 Exp #=7945
 Radio Frequency (MHz)/Flux(sfu): 245/81000 410/880 606/1300 1415/450 2695/1000 4995/1500 8800/1600 15400/800
 Tot Cts=8495
 Exp #=7945
 Wispy loop at north side of broad cloud
 PA=129deg
 Pitch=+275", Yaw=+905", Roll=0deg
 Mac.=DAO Carr. Lon.=162deg
 MaxkeV=56
 Rast=3"x3" Step=0" Pitch=+277", Yaw=+907"

Event # = 1088
 80/08/19,15:30 Start DOY=232 Peak
 SMM Pointing: N18E17
 Ha...Class=1N
 Importance=C3
 Peak...c/s=71
 CaPeak.c/s=66
 Peak3...c/s=374
 Peak...c/s=128
 Wavelength=1547A
 Code=00
 Exp # = 9200
 Associated Event # = 1089
 Qual=01
 Tot Cts=659
 MaxkeV=56
 FePeak.c/s=15 #Peaks=2 dt= 3.0s XEN=23200
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=4"x44" Step=10" Pitch=-202" ,Yaw=+338"
 MaxkeV=56
 Pitch=-187" ,Yaw=+265" ,Roll=0deg
 H. Ang=20deg
 Mac. =EKI Carr. Lon. =109deg
 H. Ang=21deg

80/08/21 DOY=234
 Event # = 20379
 80/08/21,11:46 Start DOY=234 Peak
 SMM Pointing: N18W06
 Ha...Class=SB
 Importance=C1
 CaPeak.c/s=22
 Peak3...c/s=118
 Wavelength=1353A
 Code=00
 Exp # = 9379
 MaxkeV=56
 FePeak.c/s=8 #Peaks=1 XEN=23400
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=36"x36" Step=3" Pitch=-196" ,Yaw=-67"
 Pitch=-181" ,Yaw=-96" ,Roll=0deg
 H. Ang=12deg
 Mac. =CSI Carr. Lon. =33deg
 H. Ang=68deg

Event # = 1090
 80/08/21,13:14 Start DOY=234 Peak
 SMM Pointing: N18W07
 Ha...Class=1N
 Importance=C4
 Peak...c/s=220
 Wavelength=1350A
 Code=02
 Exp # = 9408
 MaxkeV=129
 Rast=3"x3"
 Step=0" Pitch=-205" ,Yaw=-115"
 Pitch=-181" ,Yaw=-113" ,Roll=0deg
 H. Ang=13deg
 Mac. =CSI Carr. Lon. =37deg
 H. Ang=63deg
 H. Ang=27deg

Event # = 1091
 80/08/21,13:31 Start DOY=234 Peak
 SMM Pointing: N18W07
 Importance=C2
 Peak...c/s=80
 Wavelength=1351A
 Code=00
 Exp # = 9418
 MaxkeV=56
 Rast=36"x36" Step=3" Pitch=-205" ,Yaw=-118"
 Pitch=-181" ,Yaw=-113" ,Roll=0deg
 H. Ang=13deg

Event # = 1092
 80/08/21,13:54 Start DOY=234 Peak
 SMM Pointing: N18W07
 Ha...Class=SB
 Importance=M1
 Peak...c/s=90
 Peak...c/s=462
 Wavelength=1351A
 Code=00
 Exp # = 9433
 Frequency(MHz)/Flux(sfu): 2695/18 4995/7
 MaxkeV=56
 Rast=36"x36" Step=3" Pitch=-205" ,Yaw=-121"
 Pitch=-181" ,Yaw=-113" ,Roll=0deg
 H. Ang=13deg
 Mac. =EAC Carr. Lon. =111deg
 H. Ang=15deg

Event # = 1093
 80/08/21,16:50 Start DOY=234 Peak
 SMM Pointing: N07W08
 Ha...Class=SN
 Importance=C1
 Peak...c/s=75
 Wavelength=3088A
 Tot Cts=630
 Exp # = 9443
 MaxkeV=56
 Rast=240"x240" Step=3" Pitch=-236" ,Yaw=-161"
 Pitch=-2" ,Yaw=-138" ,Roll=0deg
 H. Ang=8deg
 Mac. =CSI Carr. Lon. =37deg
 H. Ang=61deg

Event # = 20381		80/08/22, 17:31		DOY=235		Peak		Pitch=-190", Yaw=-337", Roll=0deg		H. Ang=24deg	
Optical		SMM Pointing:		N18W22				Mac.=HSX		Carr. Lon.=160deg Carr. Lon.=176deg	
Optical		Ha...Class=1N		N10W74		AR2620				H. Ang=73deg	
GOES		Code=EPL		N10W90		AR2620				H. Ang=89deg	
UVSP		Importance=C7		Qual=04				Rast=3"x3"		Pitch=-200", Yaw=-426"	
C/P		Wavelength=1346A		Exp #=9829				Step=0"			
Radio		PA=292deg		Structure obs.		is clearly the prominence material					
Radio		Frequency(MHz)/Flux(sfu):		2695/16 4995/1 8800/10 15400/18							
Event # = 1105		80/08/22, 19:49		DOY=235		Peak		Pitch=-190", Yaw=-342", Roll=0deg		H. Ang=24deg	
Optical		SMM Pointing:		N18W22				MaxkeV=56			
GOES		Importance=C1		Qual=01				Rast=36"x36"		Step=3" Pitch=-190", Yaw=-387"	
HXRB		Peak...C/s=66		Qual=01							
UVSP		Wavelength=1356A		Code=01		Exp #=9853					
Event # = 1106		80/08/22, 21:30		DOY=235		Peak		Pitch=-194", Yaw=-375", Roll=0deg		H. Ang=26deg	
Optical		SMM Pointing:		N18W25				Mac.=CHO		Carr. Lon.=34deg	
GOES		Ha...Class=2B		N13E50		AR2635				H. Ang=50deg	
HXRB		Importance=M2		Qual=04				MaxkeV=266		Flags=M	
UVSP		Peak...C/s=834		Qual=01		Tot Cts=2091		Rast=36"x36"		Step=3" Pitch=-229", Yaw=-342"	
Radio Sweeps		Wavelength=1353A		Code=00		Exp #=9870					
Radio		Type/Intensity:		I1/I1							
Radio		Frequency(MHz)/Flux(sfu):		410/220 606/490 1415/69 2695/130 4995/110 8800/130 15400/49							
Event # = 20382		80/08/22, 23:52		DOY=235		Peak		Pitch=-190", Yaw=-397", Roll=0deg		H. Ang=28deg	
Optical		SMM Pointing:		N18W26				Mac.=EKI		Carr. Lon.=99deg	
GOES		Ha...Class=SN		N18W17		AR2629				H. Ang=20deg	
BCS		Importance=C8		Qual=05				FePeak.c/s=42		#Peaks=1 XEN=23601	
FCS		CaPeak.c/s=178		Qual=5		FePeak=00:04		Rast=0"x0"		Cad=30.7s 30.72s/pixel	
HXIS		Peak3...c/s=357		Code=00		Exp #=9890		Rast=3"x3"		Step=0" Pitch=-225", Yaw=-407"	
UVSP		Peak...c/s=365		Wavelength=1346A							
Event # = 20754		80/08/23, 03:39		DOY=236		Peak		Pitch=-196", Yaw=-429", Roll=0deg		H. Ang=30deg	
Optical		SMM Pointing:		N18W28				FePeak.c/s=8		#Peaks=1 XEN=23603	
GOES		Importance=C1		Qual=01				Rast=180"x180"		Step=15" Cad= 147s 1.024s/pixel	
BCS		CaPeak.c/s=24		Qual=1		FePeak=03:38		Rast=30"x30"		Step=3" Pitch=-248", Yaw=-504"	
FCS		Peak3...c/s=138		Code=00		Exp #=9934					
UVSP		Wavelength=1550A		Code=00		Exp #=9934					
Radio Sweeps		Type/Intensity:		I1/I1							
Event # = 20755		80/08/23, 04:01		DOY=236		Peak		Pitch=-196", Yaw=-429", Roll=0deg		H. Ang=30deg	
Optical		SMM Pointing:		N18W28				FePeak.c/s=7		#Peaks=1 XEN=23605	
GOES		Importance=C1		Qual=01				Rast=30"x30"		Step=3" Pitch=-248", Yaw=-504"	
BCS		CaPeak.c/s=19		Qual=1		FePeak=04:01					
UVSP		Wavelength=1550A		Code=00		Exp #=9934					

Event # = 1107	DOY=236	SMM Pointing:	N07W00	Pitch=+4", Yaw=+3", Roll=0deg	H. Ang=0deg
80/08/23, 06:38	Peak	End times			
Start					
Optical					
GOES 06:35	06:38	06:46	Qual=05		
HXRBS 06:36:47	06:36:56	06:37:23	Qual=01		
UVSP 06:39			Code=02	Step=0" Pitch=+7", Yaw=-6"	
			Exp #=9940		
Mac.=EHI					
MaxkeV=56					
Rast=3"x3"					
Event # = 20756	DOY=236	SMM Pointing:	N18W33	Pitch=-197", Yaw=-493", Roll=0deg	H. Ang=34deg
80/08/23, 11:21	Peak	End times			
Start					
GOES 11:21	11:21	11:21	Qual=00		
BGS 11:21			Qual=1		
UVSP 11:19			Code=02		
			Exp #=9959		
FePeak.c/s=9					
Rast=3"x3"					
XEN=23606					
Pitch=-224", Yaw=-581"					
Event # = 20757	DOY=236	SMM Pointing:	N18W33	Pitch=-197", Yaw=-493", Roll=0deg	H. Ang=34deg
80/08/23, 11:30	Peak	End times			
Start					
GOES 11:30	11:30	11:31	Qual=00		
BGS 11:30			Qual=1		
UVSP 11:23			Code=02		
			Exp #=9960		
FePeak.c/s=8					
Rast=0"x0"					
XEN=23607					
Cad=30.7s					
Pitch=-200", Yaw=-488"					
Event # = 20758	DOY=236	SMM Pointing:	N18W33	Pitch=-197", Yaw=-493", Roll=0deg	H. Ang=34deg
80/08/23, 11:34	Peak	End times			
Start					
GOES 11:34	11:34	11:34	Qual=00		
BGS 11:34			Qual=1		
UVSP 11:33			Code=02		
			Exp #=9961		
FePeak.c/s=9					
Rast=0"x0"					
XEN=23608					
Cad=30.7s					
Pitch=-224", Yaw=-585"					
Event # = 1108	DOY=236	SMM Pointing:	N18W33	Pitch=-197", Yaw=-493", Roll=0deg	H. Ang=34deg
80/08/23, 12:00	Peak	End times			
Start					
Optical					
GOES 11:55	12:00	12:05	Qual=01		
HXRBS 11:56:18	11:56:53	12:03:57	Qual=01		
BGS 11:49	11:49	11:53	Qual=1		
FCS 11:51			Code=00		
HXIS 12:00			Exp #=9966		
UVSP 11:54					
Mac.=EHI					
MaxkeV=129					
FePeak.c/s=6					
Rast=0"x0"					
XEN=23609					
Cad=30.7s					
Pitch=-201", Yaw=-494"					
Event # = 1109	DOY=236	SMM Pointing:	N18W33	Pitch=-197", Yaw=-493", Roll=0deg	H. Ang=34deg
80/08/23, 12:10	Peak	End times			
Start					
Optical					
GOES 12:05	12:10	12:40	Qual=03		
HXRBS 12:04:34	12:05:10	12:11:05	Qual=01		
BGS 11:56	12:07	12:14	Qual=1		
FCS 12:10			Code=00		
UVSP 12:07			Exp #=9967		
Mac.=EHI					
Carr. Lon.=109deg					
H. Ang=34deg					
MaxkeV=56					
FePeak.c/s=50					
Rast=180"x180"					
XEN=23612					
Cad=332s					
Pitch=-225", Yaw=-588"					

Event # = 20383		80/08/23, 12:52		DOY=236		Peak		SMM Pointing:		N18W34		Pitch=-198", Yaw=-506", Roll=0deg		H. Ang=35deg	
Optical		End times													
GOES	12:49	12:52	12:56	12:52	12:56	12:52	12:56	Importance=C3	Qual=01	AR2629					
BCS	12:51	12:54	13:12	12:54	13:12	12:54	13:12	CaPeak.c/s=121	Qual=4	FePeak=12:54					
FCS		12:54		12:54		12:54		Peak3...c/s=353							
HXIS								Peak...c/s=227							
UVSP	12:52			12:52				Wavelength=1346A	Code=02	Exp #=9971					
Event # = 1110		80/08/23, 14:52		DOY=236		Peak		SMM Pointing:		N18W35		Pitch=-202", Yaw=-514", Roll=0deg		H. Ang=36deg	
Optical		End times													
GOES	14:47	14:52	14:57	14:52	14:57	14:52	14:57	Ha...Class=SN	Qual=01	AR2629					
HXRBS	14:49:56	14:50:49	14:51:54	14:50:49	14:51:54	14:51	14:51	Importance=C4	Qual=01						
BCS	14:49	14:51	15:01	14:51	15:01	14:51	15:01	Peak...c/s=149	Qual=01	Tot Cts=2621					
FCS		14:53		14:53		14:53		CaPeak.c/s=176	Qual=1	FePeak=14:51					
HXIS								Peak3...c/s=935							
UVSP	14:51			14:51				Peak...c/s=363		Exp #=9999					
								Wavelength=1648A		Code=00		Step=0"		Pitch=-237", Yaw=-504"	
Event # = 20759		80/08/23, 17:40		DOY=236		Peak		SMM Pointing:		N18W33		Pitch=-201", Yaw=-491", Roll=0deg		H. Ang=34deg	
Optical		End times													
GOES	17:40	17:40	17:40	17:40	17:40	17:40	17:40	CaPeak.c/s=19	Qual=06	FePeak=17:40					
BCS	17:39							Wavelength=1399A	Qual=1	Exp #=10016					
UVSP															
Event # = 20760		80/08/23, 17:49		DOY=236		Peak		SMM Pointing:		N18W33		Pitch=-201", Yaw=-491", Roll=0deg		H. Ang=34deg	
Optical		End times													
GOES	17:49	17:49	17:49	17:49	17:49	17:49	17:49	CaPeak.c/s=18	Qual=06	FePeak=17:49					
BCS	17:46							Wavelength=1402A	Qual=1	Exp #=10017					
UVSP															
Event # = 1111		80/08/23, 18:06		DOY=236		Peak		SMM Pointing:		N18W33		Pitch=-201", Yaw=-491", Roll=0deg		H. Ang=34deg	
Optical		End times													
GOES	18:04:20	18:06:09	18:06:50	18:06:09	18:06:50	18:06	18:08	Peak...c/s=81	Qual=06	MaxkeV=56					
HXRBS	18:06	18:06	18:08	18:06	18:08	18:06	18:08	CaPeak.c/s=35	Qual=01	FePeak=18:06					
FCS		18:06		18:06		18:06		Peak3...c/s=137	Qual=1	Exp #=10018					
UVSP	17:49							Wavelength=1402A							
										Step=0"		Cad=30.7s		XEN=23620	
										Step=4"		Pitch=-222", Yaw=-542"			
Event # = 1112		80/08/23, 18:22		DOY=236		Peak		SMM Pointing:		N18W33		Pitch=-201", Yaw=-491", Roll=0deg		H. Ang=34deg	
Optical		End times													
GOES	18:16:31	18:17:26	18:22:21	18:17:26	18:22:21	18:18	18:22	Peak...c/s=84	Qual=06	Flags=ES					
HXRBS	18:17	18:22	18:22	18:22	18:22	18:18	18:22	CaPeak.c/s=161	Qual=03	FePeak=18:22					
FCS		18:18		18:18		18:18		Peak3...c/s=79	Qual=2	Exp #=10018					
HXIS		18:18		18:18		18:18		Peak...c/s=331							
UVSP	17:49							Wavelength=1402A							
										Step=4"		Cad=30.7s		XEN=23621	
										Step=4"		Pitch=-222", Yaw=-542"			

Event # = 20384	DOY=236	N18W34	SMM Pointing:	Pitch=-201", Yaw=-506", Roll=0deg	H. Ang=35deg
80/08/23, 20:49	Peak	N17W38	Ha...Class=SB	Carr. Lon.=109deg	H. Ang=38deg
Optical		Qual=05	Importance=C5	#Peaks=1	XEN=23622
GOES 20:47	20:49	Qual=5	CaPeak.c/s=182	Step=0"	Cad=30.7s
BGS 20:50	20:50		Peak3...c/s=652	Step=0"	Pitch=-198", Yaw=-528"
FCS 20:50	20:49	Code=02	Peak...c/s=373		
HXIS 20:51			Wavelength=1399A		
UVSP 20:51					
Event # = 1113	DOY=236	N18W35	SMM Pointing:	Pitch=-202", Yaw=-521", Roll=0deg	H. Ang=36deg
80/08/23, 21:29	Peak	N16W39	Ha...Class=1B	Carr. Lon.=109deg	H. Ang=39deg
Optical		Qual=01	Importance=M2		
GOES 21:26	21:29	Qual=01	Peak...c/s=903	MaxkeV=129	XEN=23600
HXRBS 21:26:39	21:28:33	Qual=1	CaPeak.c/s=800	#Peaks=1	
BGS 21:25	21:29		Peak3...c/s=763	Step=10"	Cad=36.9s
FCS 21:32	21:32		Peak...c/s=1525	Step=4"	Pitch=-228", Yaw=-557"
HXIS 21:00	21:28	Code=00	Wavelength=1402A		
UVSP 21:00					
80/08/24 DOY=237					
Event # = 1114	DOY=237	N18W37	SMM Pointing:	Pitch=-203", Yaw=-544", Roll=0deg	H. Ang=38deg
80/08/24, 00:26	Peak	N17W43	Ha...Class=SN	Carr. Lon.=112deg	H. Ang=43deg
Optical		Qual=01	Importance=C1		
GOES 00:22	00:26	Qual=01	Peak...c/s=98	#Peaks=1	dt= 3.0s
HXRBS 00:22:52	00:24:41	Qual=1	CaPeak.c/s=31	Step=10"	XEN=23704
BGS 00:24	00:26		Peak3...c/s=78	Step=4"	Cad=36.9s
FCS 00:13	00:24	Code=00	Wavelength=1402A	Pitch=-210", Yaw=-587"	
UVSP 00:13					
Event # = 1115	DOY=237	N18W38	SMM Pointing:	Pitch=-203", Yaw=-555", Roll=0deg	H. Ang=38deg
80/08/24, 02:24	Peak	Qual=06	Peak...c/s=72		
GOES 02:23:53	02:24:42	Qual=01	Wavelength=1402A	Step=4"	Pitch=-223", Yaw=-638"
HXRBS 01:48					
UVSP 01:48					
Event # = 1116	DOY=237	N07W00	SMM Pointing:	Pitch=+5", Yaw=+0", Roll=0deg	H. Ang=0deg
80/08/24, 05:43	Peak	N18W44	Ha...Class=1B	Carr. Lon.=110deg	H. Ang=44deg
Optical		Qual=03	Importance=M1		
GOES 05:09	05:43	Qual=01	Peak...c/s=194	MaxkeV=56	
HXRBS 05:25:10	05:29:13			Rast=28"x28"	
BGS 08:24	08:29	Tot Cts=25392			
FCS 08:34	08:34	Exp #=10033			
HXIS 08:09	08:29				
UVSP 08:09					
Event # = 1117	DOY=237	N18W41	SMM Pointing:	Pitch=-209", Yaw=-590", Roll=0deg	H. Ang=41deg
80/08/24, 08:30	Peak	N18W47	Ha...Class=1B	Carr. Lon.=111deg	H. Ang=47deg
Optical		Qual=01	Importance=C8		
GOES 08:21	08:30	Qual=01	Peak...c/s=104	MaxkeV=56	
HXRBS 08:23:56	08:27:55	Qual=1	CaPeak.c/s=305	#Peaks=2	dt= 3.0s
BGS 08:24	08:29		Peak3...c/s=998	Step=10"	XEN=23706
FCS 08:34	08:34	Code=00	Peak...c/s=453	Cad= 332s	1.024s/pixel
HXIS 08:09	08:29	Code=00	Wavelength=1547A	Step=4"	Pitch=-239", Yaw=-624"
UVSP 08:09					

Event # = 20389	DOY=238	SMM Pointing:	N18W58	Pitch=-229", Yaw=-771", Roll=0deg	H. Ang=58deg
80/08/25, 17:07	Peak	Peak...c/s=117	Qual=00		
GOES	17:07	Wave length=1485A	Exp #=10124	Rast=130"x130"	Step=10" Pitch=-270", Yaw=-812"
HXIS					
UVSP	17:36				
Event # = 1135	DOY=238	SMM Pointing:	N18W60	Pitch=-232", Yaw=-785", Roll=0deg	H. Ang=59deg
80/08/25, 17:56	Peak	Importance=C5	Qual=01		
GOES	17:56	Peak...c/s=125	Qual=01	MaxkeV=56	
HXRBS	17:53:00	CaPeak.c/s=240	Qual=1	FePeak.c/s=59	#Peaks=2 dt= 6.1s XEN=23837
BCS	17:53	Peak3...c/s=1044		Rast=180"x180"	Step=15" Cad= 147s 1.024s/pixel
FCS	17:55	Peak...c/s=427			
HXIS	17:55	Wave length=1485A	Code=00	Rast=50"x50"	Step=10" Pitch=-240", Yaw=-823"
UVSP	17:38	Frequency(MHz)/Flux(sfu):	Exp #=10125		
Radio		4995/6 8800/16			
Event # = 1136	DOY=238	SMM Pointing:	N18W60	Pitch=-238", Yaw=-781", Roll=0deg	H. Ang=59deg
80/08/25, 19:15	Peak	Ha...Class=18	Qual=01	Mac.=EKI	
Optical		Importance=C2	Qual=04		
GOES	19:10	Peak...c/s=61	Qual=01	Carr. Lon.=110deg	H. Ang=64deg
HXRBS	19:15:35	CaPeak.c/s=72	Qual=1	MaxkeV=56	
BCS	19:09	Peak3...c/s=275		FePeak.c/s=14	#Peaks=1 dt= 6.1s XEN=23841
FCS	19:26	Wave length=1485A	Code=00	Rast=0"x0"	Cad=30.7s 30.72s/pixel
UVSP	19:14		Exp #=10127	Rast=50"x50"	Step=10" Pitch=-262", Yaw=-820"
Event # = 20783	DOY=238	SMM Pointing:	N18W60	Pitch=-238", Yaw=-781", Roll=0deg	H. Ang=59deg
80/08/25, 19:53	Peak	Importance=C2	Qual=02		
GOES	19:45	CaPeak.c/s=58	Qual=2	FePeak.c/s=17	#Peaks=1 dt= 6.1s XEN=23845
BCS	19:46	Peak3...c/s=125		Rast=0"x0"	Step=0" Cad=30.7s 30.72s/pixel
FCS	19:51	Wave length=1485A	Code=01	Rast=50"x50"	Step=10" Pitch=-262", Yaw=-820"
UVSP	19:46		Exp #=10127		
Event # = 1138	DOY=238	SMM Pointing:	N18W61	Pitch=-238", Yaw=-791", Roll=0deg	H. Ang=60deg
80/08/25, 21:01	Peak	Ha...Class=SF	Qual=01	Mac.=EKI	
Optical		Importance=C2	Qual=01		
GOES	20:56	Peak...c/s=106	Qual=01	Carr. Lon.=112deg	H. Ang=67deg
HXRBS	20:59:05	CaPeak.c/s=84	Qual=1	MaxkeV=56	
BCS	20:58	Peak3...c/s=61		FePeak.c/s=24	#Peaks=1 dt= 6.1s XEN=23846
FCS	21:01	Wave length=1485A	Code=00	Rast=0"x0"	Step=0" Cad=30.7s 30.72s/pixel
UVSP	20:49		Exp #=10129	Rast=50"x50"	Step=10" Pitch=-263", Yaw=-836"
HXRBS	20:57:10	Peak...c/s=85	Associated	MaxkeV=56	
Event # = 20784	DOY=238	SMM Pointing:	N18W61	Pitch=-238", Yaw=-791", Roll=0deg	H. Ang=60deg
80/08/25, 21:17	Peak	Importance=C1	Qual=01		
GOES	21:11	CaPeak.c/s=20	Qual=1	FePeak.c/s=8	#Peaks=1 XEN=23848
BCS	21:17	Peak3...c/s=42		Rast=0"x0"	Step=0" Cad=30.7s 30.72s/pixel
FCS	21:18	Wave length=1485A	Code=00	Rast=50"x50"	Step=10" Pitch=-263", Yaw=-836"
UVSP	20:49		Exp #=10129		

Event # = 20395
 80/08/27, 19:21 DOY=240
 Start Peak
 19:21 19:22
 19:22 19:22
 19:11

SMM Pointing:
 Importance=C1 Qual=04
 CaPeak.c/s=19 Qual=1
 Wavelength=1369A Code=00 FePeak=19:22 Exp #=10302
 Pitch=+250", Yaw=+979", Roll=0deg
 #Peaks=1 XEN=24002
 Rast=180"x180" Step=10" Pitch=-312", Yaw=-943"

UVSP 19:11

Event # = 1154
 80/08/27, 22:47 DOY=240
 Start Peak
 22:42 22:47
 22:43:40 22:44:15
 22:44 22:46
 22:48

SMM Pointing:
 Importance=C2 Qual=04
 Peak...c/s=84 Qual=01
 CaPeak.c/s=41 Qual=1
 Peak3...c/s=22 FePeak=22:46 Exp #=10320
 Wavelength=1369A Code=00
 Pitch=+245", Yaw=+977", Roll=0deg
 MaxkeV=56 dt= 6.3s XEN=24003
 FePeak.c/s=7 #Peaks=1 Step=0" Cad=3840s 3840s/pixel
 Rast=0"x0" Step=10" Pitch=+225", Yaw=+942"
 Rast=180"x180" Step=10"

UVSP 22:35

80/08/28 DOY=241

Event # = 1155
 80/08/28, 00:31 DOY=241
 Start Peak
 00:27 00:31
 00:28:25 00:29:20
 00:28 00:30
 00:24

SMM Pointing:
 Importance=C3 Qual=01
 Peak...c/s=136 Qual=01
 CaPeak.c/s=78 Qual=1
 Wavelength=1369A Code=00 Tot Cts=2040
 FePeak=00:30
 Exp #=10332
 Pitch=+248", Yaw=+979", Roll=0deg
 Carr. Lon.=299deg H. Ang=74deg
 Mac.=CSO
 MaxkeV=56
 Rast=180"x180" Step=10" Pitch=+225", Yaw=+943"

UVSP 00:24

Event # = 1156
 80/08/28, 03:57 DOY=241
 Start Peak
 03:40 03:57
 03:56:55 03:57:10
 03:50

SMM Pointing:
 Ha...Class=SB N10E75
 Importance=C3 Qual=01
 Peak...c/s=70 Qual=01
 Wavelength=1369A Code=00
 Exp #=10356
 Pitch=+248", Yaw=+979", Roll=0deg
 Carr. Lon.=299deg H. Ang=74deg
 Mac.=CSO
 MaxkeV=56
 Rast=180"x180" Step=10" Pitch=+225", Yaw=+943"

UVSP 03:50

Event # = 1157
 80/08/28, 12:00 DOY=241
 Start Peak
 11:46 12:00
 11:57:45 11:58:05
 11:10

SMM Pointing:
 Ha...Class=SN S09E67
 Importance=C2 Qual=01
 Peak...c/s=114 Qual=01
 Wavelength=1402A Code=00 Tot Cts=780
 Exp #=10401
 Pitch=+192", Yaw=+863", Roll=0deg
 Carr. Lon.=304deg H. Ang=67deg
 Mac.=FSI
 MaxkeV=56
 Rast=60"x60" Step=3" Pitch=+190", Yaw=+888"

UVSP 11:10

Event # = 1158
 80/08/28, 12:49 DOY=241
 Start Peak
 12:48 12:49
 12:48:05 12:49:30
 12:47

SMM Pointing:
 Ha...Class=IF N13E71
 Importance=C1 Qual=01
 Peak...c/s=149 Qual=01
 Wavelength=1402A Code=00 Tot Cts=6750
 Exp #=10404
 Pitch=+195", Yaw=+856", Roll=0deg
 Carr. Lon.=298deg H. Ang=70deg
 Mac.=CSO
 MaxkeV=266
 Rast=60"x60" Step=3" Pitch=+135", Yaw=+882"

UVSP 12:47

Event # = 20796	DOY=242	SMM Pointing:	S09E57	Pitch=+211", Yaw=+792", Roll=0deg	H. Ang=59deg
80/08/29, 06:40	Peak	End times			
Start					
GOES 06:40	06:41	CaPeak.c/s=19	Qual=00	FePeak.c/s=6	XEN=24202
BCS 06:37		Wavelength=1393A	Qual=1	Rast=120"x120"	Pitch=+76", Yaw=+644"
UVSP				Step=3"	
Event # = 20797	DOY=242	SMM Pointing:	S09E57	Pitch=+211", Yaw=+792", Roll=0deg	H. Ang=59deg
80/08/29, 06:46	Peak	End times			
Start					
GOES 06:46	06:46	CaPeak.c/s=18	Qual=00	FePeak.c/s=6	XEN=24203
BCS 06:47		Wavelength=1546A	Qual=1	Rast=3"x3"	Pitch=+76", Yaw=+644"
UVSP				Step=0"	
Event # = 20798	DOY=242	SMM Pointing:	S09E57	Pitch=+211", Yaw=+792", Roll=0deg	H. Ang=59deg
80/08/29, 06:50	Peak	End times			
Start					
GOES 06:50	06:50	CaPeak.c/s=20	Qual=00	FePeak.c/s=5	XEN=24204
BCS 06:49		Wavelength=1547A	Qual=1	Rast=120"x120"	Pitch=+76", Yaw=+644"
UVSP				Step=3"	
Event # = 20799	DOY=242	SMM Pointing:	S09E57	Pitch=+211", Yaw=+792", Roll=0deg	H. Ang=59deg
80/08/29, 07:19	Peak	End times			
Start					
GOES 07:00	07:40	Importance=C2	Qual=02	FePeak.c/s=12	dt= 6.3s XEN=24205
BCS 07:03	07:11	CaPeak.c/s=40	Qual=3	Rast=0"x0"	Step=0" Cad=30.7s 30.72s/pixel
FCS 07:05		Peak3..c/s=45		Rast=120"x120"	Pitch=+76", Yaw=+644"
UVSP 06:49		Wavelength=1547A		Step=3"	
Event # = 1161	DOY=242	SMM Pointing:	S09E56	Pitch=+215", Yaw=+776", Roll=0deg	H. Ang=58deg
80/08/29, 08:03	Peak	End times			
Start					
GOES 08:00	08:10	Importance=C2	Qual=01	MaxkeV=56	
HXRBS 08:03:10	08:03:40	Peak...c/s=68	Qual=01	FePeak.c/s=8	dt= 6.3s XEN=24206
BCS 08:03	08:05	CaPeak.c/s=26	Qual=1	Rast=0"x0"	Step=0" Cad=30.7s 30.72s/pixel
FCS 08:07	08:07	Peak3..c/s=59		Rast=240"x240"	Pitch=+137", Yaw=+696"
UVSP 07:53		Wavelength=1539A	Code=00	Step=3"	
Event # = 20802	DOY=242	SMM Pointing:	S09E56	Pitch=+215", Yaw=+776", Roll=0deg	H. Ang=58deg
80/08/29, 08:46	Peak	End times			
Start					
Optical		Ha...Class=SN	S03E70	Mac.=DAI	Carr.Lon.=288deg
GOES 08:40	08:46	Importance=C2	Qual=03	FePeak.c/s=12	#Peaks=1
BCS 08:47	08:47	CaPeak.c/s=19	Qual=2	Rast=240"x240"	Step=3" Pitch=+156", Yaw=+706"
UVSP 08:41		Wavelength=1539A	Code=00	FePeak.c/s=10	#Peaks=1
BCS 08:40	08:40	Associated	Event # = 20800	FePeak.c/s=15	#Peaks=1
BCS 08:45	08:45	CaPeak.c/s=18	Qual=1	FePeak.c/s=15	#Peaks=1
		CaPeak.c/s=19	Associated		
			Event # = 20801		
			Qual=1		
Event # = 1162	DOY=242	SMM Pointing:	S09E56	Pitch=+212", Yaw=+776", Roll=0deg	H. Ang=58deg
80/08/29, 09:32	Peak	End times			
Start					
GOES 09:30	09:34	Importance=C1	Qual=01	MaxkeV=56	
HXRBS 09:31:50	09:32:05	Peak...c/s=95	Qual=01	Rast=240"x240"	Step=3" Pitch=+157", Yaw=+702"
UVSP 09:29		Wavelength=1540A	Code=00	Exp #=10657	

Event # = 1205		80/09/03,06:37		DOY=247		Pitch=-1852",Yaw=-2586",Roll=-46deg	
Optical	Start	End times	SMM Pointing:	AR2645	Mac.=EKC	Carr.Lon.=302deg	H.Ang=17deg
GOES	06:33	06:41	Ha...Class=SF		MaxkeV=56		
HXRBS	06:33:40	06:36:20	Importance=C2				
UVSP			Peak...c/s=60				
Event # = 1206		80/09/03,14:26		DOY=247		Pitch=-1863",Yaw=-2607",Roll=-49deg	
Optical	Start	End times	SMM Pointing:	AR2645	MaxkeV=129	Flags=M	
GOES	14:19	14:31	Ha...Class=SN				
HXRBS	14:20:30	14:22:10	Importance=C4				
Radio	Frequency(MHz)/Flux(sfu):	4995/23 8800/59	Peak...c/s=285				
Event # = 1207		80/09/03,17:23		DOY=247		Pitch=-2",Yaw=-2",Roll=39deg	
Optical	Start	End times	SMM Pointing:	AR2645	MaxkeV=56		
GOES	17:16	17:32	Ha...Class=SN				
HXRBS	17:36:15	17:37:05	Importance=C3				
			Peak...c/s=110				
Event # = 1208		80/09/03,18:59		DOY=247		Pitch=+0",Yaw=-3",Roll=0deg	
Optical	Start	End times	SMM Pointing:	AR2645	MaxkeV=56		
GOES	18:57	19:02	Ha...Class=SN				
HXRBS	18:58:55	18:59:45	Importance=C1				
			Peak...c/s=104				
Event # = 1209		80/09/03,21:00		DOY=247		Pitch=+0",Yaw=-3",Roll=0deg	
Optical	Start	End times	SMM Pointing:	AR2645	MaxkeV=56		
GOES	20:50	21:15	Ha...Class=SN				
HXRBS	20:51:10	20:56:30	Importance=C6				
Radio	Sweeps	Type/Intensity:	Peak...c/s=121				
			III/2				
Event # = 1210		80/09/04,02:03		DOY=248		Pitch=+0",Yaw=-4",Roll=0deg	
Optical	Start	End times	SMM Pointing:	AR2645	MaxkeV=56		
GOES	01:54	02:03	Ha...Class=2B				
HXRBS	01:55:05	02:01:20	Ha...Class=SF				
Radio	Sweeps	Type/Intensity:	Importance=M6				
			Peak...c/s=12860				
			II/1 IV/1				
			606/350 1415/280				
Event # = 1211		80/09/04,02:48		DOY=248		Pitch=+2",Yaw=-7",Roll=0deg	
Optical	Start	End times	SMM Pointing:	AR2661	MaxkeV=56		
GOES	02:47	02:49	Ha...Class=SN				
HXRBS	02:46:35	02:48:55	Importance=C3				
Radio	Frequency(MHz)/Flux(sfu):	606/250 1415/26	Peak...c/s=73				

Event # = 1225	DOY=253	SMM Pointing:	S06W85	Pitch=+112", Yaw=-945", Roll=0deg	H. Ang=85deg
80/09/09, 15:35	Peak	End times			
Start	15:37	Importance=C2	Qual=01		
GOES 15:27	15:35	Peak...c/s=80	Qual=01		
HXPBS* 15:32:25	15:35:00	Wavelength=2832A		Step=0" Pitch=+21", Yaw=-1053"	
UVSP 15:13			Exp # = 11268		
Event # = 20404	DOY=253	SMM Pointing:	S06W87	Pitch=+113", Yaw=-947", Roll=0deg	H. Ang=87deg
80/09/09, 19:50	Peak	End times			
Start	20:31	Ha...Class=SN	AR2645	Mac. =DKO Carr. Lon. =296deg	H. Ang=90deg
Optical 18:50	19:50	Importance=C7	Qual=02	FePeak.c/s=20 dt= 1.1s XEN=25309	
GOES 18:54	19:04	CaPeak.c/s=100	Qual= 2	Rast=0"x0" Cad=30.7s 30.72s/pixel	
BCS 18:54	19:04	Peak3..c/s=134		Rast=3"x3" Pitch=+56", Yaw=-1020"	
FCS 20:07		Wavelength=1547A		Mac. =DKO Carr. Lon. =297deg	H. Ang=91deg
UVSP 20:07		Associated	Event # = 20405		
Optical 18:50	19:50	Ha...Class=SN	S06W90	FePeak.c/s=8	XEN=25300
GOES 18:50	20:31	Importance=C7	Qual=05	Rast=0"x0" Cad=30.7s	30.72s/pixel
BCS 20:05	20:21	CaPeak.c/s=46	Qual= 5		
FCS 20:05	20:12	Peak3..c/s=226			
Event # = 20807	DOY=253	SMM Pointing:		Pitch=+115", Yaw=-950", Roll=0deg	
80/09/09, 20:23	Peak	End times			
Start	20:23	CaPeak.c/s=18	Qual=00	FePeak.c/s=8	XEN=25303
GOES 20:23	20:23	Wavelength=1550A	Qual= 1	Rast=240"x240" Step=3" Pitch=+56", Yaw=-1020"	
BCS 20:23	20:23				
UVSP 20:09	20:09				
Event # = 20808	DOY=253	SMM Pointing:		Pitch=+115", Yaw=-950", Roll=0deg	
80/09/09, 20:25	Peak	End times			
Start	20:25	CaPeak.c/s=19	Qual=00	FePeak.c/s=3	XEN=25304
GOES 20:25	20:25	Wavelength=1550A	Qual= 1	Rast=9"x9" Step=3" Pitch=+105", Yaw=-946"	
BCS 20:25	20:25				
UVSP 20:23	20:23				
Event # = 20809	DOY=253	SMM Pointing:		Pitch=+115", Yaw=-950", Roll=0deg	
80/09/09, 20:27	Peak	End times			
Start	20:27	CaPeak.c/s=20	Qual=00	FePeak.c/s=6	XEN=25305
GOES 20:27	20:27	Peak3..c/s=107	Qual= 1	Rast=0"x0" Cad=30.7s 30.72s/pixel	
BCS 20:27	20:27	Wavelength=1550A		Rast=9"x9" Step=3" Pitch=+105", Yaw=-946"	
FCS 20:23					
UVSP 20:23					
Event # = 20811	DOY=253	SMM Pointing:		Pitch=+115", Yaw=-950", Roll=0deg	
80/09/09, 20:35	Peak	End times			
Start	20:35	Importance=C2	Qual=03	FePeak.c/s=8	XEN=25307
GOES 20:30	20:56	CaPeak.c/s=18	Qual= 1	Rast=9"x9" Step=3" Pitch=+105", Yaw=-946"	
BCS 20:36	20:36	Wavelength=1550A	Code=00		
UVSP 20:23		Associated	Event # = 20810		
BCS 20:31	20:31	CaPeak.c/s=20	Qual= 1	FePeak.c/s=6	XEN=25306
UVSP 20:31	20:31	Wavelength=1550A	Associated	Event # = 20812	
BCS 20:38	20:38	CaPeak.c/s=18	Qual= 1	FePeak.c/s=8	XEN=25308

		80/09/12		DOY=256		80/09/12		DOY=256	
Event # = 1232									
80/09/12,00:52	Start	SMM Pointing:	S15W01	Qual=06		Pitch=+361",Yaw=-18",Roll=0deg		H.Ang=22deg	
GOES	00:47:00	Peak...c/s=81		Qual=01	Tot Cts=4500	MaxkeyV=56			
HXRBS	00:50:00	Wavelength=1542A			Exp #=11428	Rast=3"x3"	Step=0"	Pitch=+281",Yaw=-89"	
UVSP	00:50:00								
Event # = 1233									
80/09/12,05:48	Start	SMM Pointing:	S15W04			Pitch=+360",Yaw=-60",Roll=0deg		H.Ang=22deg	
GOES	05:43:00	Ha...Class=SB	N13E27	AR2665		Mac.=EHI			
HXRBS	05:46:00	Importance=C8	Qual=04		Tot Cts=12480	MaxkeyV=130			
UVSP	05:46:00	Peak...c/s=350	Qual=01		Exp #=11446	Rast=10"x235"	Step=25"	Pitch=+230",Yaw=-128"	
Radio	05:46:00	Wavelength=1347A	Code=00						
		Frequency(MHz)/Flux(sfu):	1415/23 2695/23 4995/19 8800/33						
Event # = 1234									
80/09/13,09:30	Start	SMM Pointing:	N13E10			Pitch=-96",Yaw=+167",Roll=0deg		H.Ang=12deg	
GOES	09:20:00	Importance=C1	Qual=01		Tot Cts=2800	MaxkeyV=130			
HXRBS	09:22:05	Peak...c/s=139	Qual=01		Exp #=11561	Rast=240"x240"	Step=3"	Pitch=-155",Yaw=+100"	
UVSP	09:23:00	Wavelength=1550A	Code=00						
Event # = 1235									
80/09/13,21:45	Start	SMM Pointing:	N13E03			Pitch=-93",Yaw=+52",Roll=0deg		H.Ang=6deg	
GOES	21:41:00	Importance=B9	Qual=01		Tot Cts=345	MaxkeyV=56			
HXRBS	21:44:05	Peak...c/s=72	Qual=01		Exp #=11587	Rast=8"x8"	Step=4"	Pitch=-95",Yaw=+23"	
UVSP	21:44:00	Wavelength=1403A	Code=00						
Event # = 1236									
80/09/19,07:27	Start	SMM Pointing:	S13W36			Pitch=+543",Yaw=+308",Roll=-90deg		H.Ang=41deg	
GOES	07:21:00	Ha...Class=1F	N16W71	AR2665		Mac.=CH0			
HXRBS	07:27:10	Importance=C1	Qual=01		Tot Cts=910	MaxkeyV=130			
UVSP	07:27:00	Peak...c/s=111	Qual=01		Exp #=11861	Rast=3"x3"	Step=0"	Pitch=+421",Yaw=+287"	
		Wavelength=1549A	Code=02						
Event # = 8584									
80/09/19,19:21	Start	SMM Pointing:				Pitch=+1010",Yaw=-140",Roll=-90deg			
HXRBS	19:20:54	Peak...c/s=64	Qual=01		Tot Cts=343	MaxkeyV=502	Flags=NS		
UVSP	19:43:00	Wavelength=1545A	Code=00		Exp #=11883	Rast=10"x10"	Step=0"	Pitch=+880",Yaw=-219"	
Event # = 1237									
80/09/20,03:00	Start	SMM Pointing:	S12W49			Pitch=+702",Yaw=+273",Roll=-90deg		H.Ang=52deg	
GOES	02:54:00	Importance=C1	Qual=03			MaxkeyV=57			
HXRBS	02:56:00	Peak...c/s=77	Qual=01		Exp #=11916	Rast=60"x60"	Step=4"	Pitch=+711",Yaw=+269"	
UVSP	02:20:00	Wavelength=1402A	Code=00						

80/09/22 DOY=266

Event # = 1244
 80/09/22,05:43 DOY=266 S33W05 Pitch=+69",Yaw=+615",Roll=-90deg H.Ang=40deg
 Start Peak End times
 05:37 05:43 06:17
 GOES 05:39:00 05:40:00 05:42:00 Tot Cts=6480
 HXRBS 05:39:00 05:40:00 05:42:00 Exp #=12097
 UVSP 05:41
 Radio Sweeps
 Type/Intensity:
 Frequency(MHz)/Flux(stu): 245/490 410/45 606/17

Event # = 5481
 80/09/22,08:56 DOY=266 S33W07 Pitch=+93",Yaw=+614",Roll=-90deg H.Ang=40deg
 Start Peak End times
 08:56:14 08:56:28 08:56:41
 HXRBS 08:56:14 08:56:28 08:56:41 Tot Cts=1060
 UVSP 08:52 Wavelength=1547A Exp #=12103
 SMM Pointing: Flags=I
 Peak...c/s=160 Step=4
 Wavelength=1547A

Event # = 20813
 80/09/22,16:20 DOY=266 S17E63 Pitch=-816",Yaw=+328",Roll=-90deg H.Ang=67deg
 Start Peak End times
 16:15 16:20 17:00
 16:23 16:23 16:24
 16:24 16:24
 UVSP 16:22 Exp #=12119
 SMM Pointing: Carr. Lon.=46deg H.Ang=94deg
 Ha...Class=IB Carr. Lon.=46deg H.Ang=41deg
 Optical S33W09 AR2691
 S33W09 AR2680
 Ha...Class=SF
 Importance=C3 Qual=05
 GOES 16:15 16:20 17:00 FePeak.c/s=8 XEN=26600
 BCS 16:23 16:23 16:24 CaPeak.c/s=19 Step=0 Cad=3840s
 FCS 16:24 16:24 16:24 Peak3...c/s=21 Step=0 Pixel
 UVSP 16:22 Wavelength=1399A Code=02 Exp #=12119

Event # = 1245
 80/09/22,20:22 DOY=266 N07W00 Pitch=+0",Yaw=+0",Roll=-37deg H.Ang=0deg
 Start Peak End times
 20:21 20:22 20:30
 20:22:10 20:22:55 20:25:15
 19:45
 UVSP 19:45 Exp #=12127
 SMM Pointing: Importance=C1
 GOES 20:21 20:22 20:30 Qual=03
 HXRBS 20:22:10 20:22:55 20:25:15 Qual=01
 UVSP 19:45 Wavelength=1402A Code=00

Event # = 20695
 80/09/22,21:21 DOY=266 N10W08 Pitch=-51",Yaw=-125",Roll=0deg H.Ang=8deg
 Start Peak End times
 21:21 21:21 21:21
 UVSP 21:21 21:21 21:21
 C/P 21:21 21:21 21:21
 Extrap St=09/22,14:20 PA=68deg
 SMM Pointing: Step=4
 GOES 21:21 21:21 21:21 Exp #=12130
 UVSP 21:21 21:21 21:21
 Wavelength=1402A
 PA=68deg

Event # = 1246
 80/09/22,21:36 DOY=266 N10W08 Pitch=-51",Yaw=-125",Roll=0deg H.Ang=8deg
 Start Peak End times
 21:34 21:36 21:45
 21:36:20 21:36:50 21:38:10
 21:21
 UVSP 21:21 21:21 21:21
 HXRBS 21:36:20 21:36:50 21:38:10
 GOES 21:34 21:36 21:45
 UVSP 21:21 21:21 21:21
 Wavelength=1402A Code=00 Exp #=12130

80/09/23 DOY=267

Event # = 20814
 80/09/23,02:06 DOY=267 N10W10 Pitch=-52",Yaw=-168",Roll=0deg H.Ang=11deg
 Start Peak End times
 02:05 02:06 02:18
 02:08 02:08
 UVSP 01:58 Exp #=12139
 SMM Pointing: FePeak.c/s=15 #Peaks=1 XEN=26700
 CaPeak.c/s=214 Qual=6 Step=0 Cad=30.7s
 Peak3...c/s=41 Pixel
 Wavelength=1388A
 Exp #=12139

Event # = 1257																							
80/09/26, 15:22	DOY=270	Peak																					
Optical																							
GOES 15:20	15:22	15:30	SMM Pointing:	N17W58																			
HXRBS 15:17:45	15:21:00	15:21:15	Ha...Class=SN	N18E77	AR2699																		
UVSP 15:18	15:21:00	15:21:15	Importance=C2	Qual=01																			
			Peak...c/s=100	Code=00	Tot Cts=840																		
			Wavelength=1547A	Code=00	Exp #=12305																		
Event # = 1258																							
80/09/27, 02:01	DOY=271	Peak																					
Optical																							
GOES 01:55	02:01	02:06	SMM Pointing:	N07W00																			
HXRBS 01:56:30	01:57:30	01:58:35	Ha...Class=SN	S15E37	AR2697																		
UVSP 01:59	01:57:30	01:58:35	Importance=C2	Qual=01	AR2680																		
			Peak...c/s=90	Code=00	Exp #=12371																		
			Wavelength=2912A	Code=00																			
Event # = 1259																							
80/09/27, 15:01	DOY=271	Peak																					
Optical																							
GOES 14:59	15:01	15:03	SMM Pointing:	N17W70																			
HXRBS 14:59:20	14:59:40	15:00:25	Ha...Class=SN	S19E30	AR2697																		
UVSP 14:54	14:59:20	15:00:25	Importance=C1	Qual=01																			
			Peak...c/s=148	Code=00	Tot Cts=1820																		
			Wavelength=1463A	Code=00	Exp #=12401																		
			Frequency(MHz)/Flux(sfu):	410/100 1415/26 2695/34 4995/19 8800/14																			
Event # = 1260																							
80/09/27, 23:15	DOY=271	Peak																					
Optical																							
GOES 23:14	23:15	23:17	SMM Pointing:	S19E27																			
HXRBS 23:14:55	23:15:20	23:16:00	Ha...Class=SN	S19E23	AR2701																		
UVSP 22:42	23:15:20	23:16:00	Importance=C1	S18E26	AR2697																		
			Peak...c/s=96	Code=00	Tot Cts=450																		
			Wavelength=1401A	Code=00	Exp #=12426																		
Event # = 1261																							
80/09/28, 07:18	DOY=272	Peak																					
Optical																							
GOES 05:55	07:18	11:00	SMM Pointing:	S19E23																			
HXRBS 07:11:35	07:12:15	07:12:50	Importance=C5	Qual=03																			
UVSP 06:55	07:12:15	07:12:50	Peak...c/s=128	Code=00	Tot Cts=450																		
			Wavelength=1402A	Code=00	Exp #=12441																		
Event # = 1262																							
80/09/28, 23:24	DOY=272	Peak																					
Optical																							
GOES 23:24:30	23:24:50	23:25:30	SMM Pointing:	S19E14																			
HXRBS 22:37	23:24:30	23:25:30	Peak...c/s=71	Qual=00																			
UVSP 22:37	23:24:30	23:25:30	Wavelength=1679A	Code=00	Exp #=12493																		

80/09/29 DOY=273

Event # = 1263 DOY=273 SMM Pointing: S19E13 Pitch=+415", Yaw=+202", Roll=0deg H. Ang=29deg
80/09/29, 00:42:00 Start Peak
GOES 00:41:55 00:42:05 00:42:20 Peak...c/s=71 MaxkeV=57
HXRB 00:41:55 00:42:05 00:42:20 Peak...c/s=71

Event # = 1264 DOY=273 SMM Pointing: S19E12 Pitch=+415", Yaw=+191", Roll=0deg H. Ang=28deg
80/09/29, 02:19:00 Start Peak
GOES 02:16 02:19 02:21 End times
HXRB 02:18:40 02:19:35 02:19:30 Importance=C1
UVSP 01:45 02:18:40 02:19:35 02:19:30 Peak...c/s=87
WaveLength=1547A Code=00 Exp #=12497

Event # = 1265 DOY=273 SMM Pointing: S19E10 Pitch=+416", Yaw=+164", Roll=0deg H. Ang=28deg
80/09/29, 05:07:00 Start Peak
GOES 05:02 05:07 05:14 End times
HXRB 05:04:00 05:05:05 05:07:30 Importance=C5
UVSP 05:07 05:05:05 05:07:30 Peak...c/s=161
WaveLength=1392A Code=02 Exp #=12504

Event # = 1266 DOY=273 SMM Pointing: S19E01 Pitch=+418", Yaw=+13", Roll=0deg H. Ang=26deg
80/09/29, 22:46:00 Start Peak
Optical 22:24 22:46 22:48 End times
GOES 22:39:15 22:40:40 22:41:00 Ha...Class=IN
HXRB 22:23 22:32 23:23 Importance=M1
BCS 22:23 23:09 23:23 Peak...c/s=715
FCS 23:09 23:23 23:23 CaPeak...c/s=108
HXIS 23:23 23:09 23:23 Peak3...c/s=1971
UVSP 22:35 23:23 23:23 Peak...c/s=133
Radio 22:44:35 22:45:55 22:47:35 WaveLength=1402A Code=00 Exp #=12556
Frequency(MHz)/Flux(sfu): 410/75 606/20 1415/13 2695/21 4995/130 8800/100
Associated Event # = 1267

Event # = 1268 DOY=274 SMM Pointing: S19W06 Pitch=+416", Yaw=-98", Roll=0deg H. Ang=26deg
80/09/30, 11:54:00 Start Peak
Optical 11:47 11:54 12:00 End times
GOES 11:48:20 11:49:15 11:55:35 Ha...Class=SB
HXRB 11:52 11:48:20 11:49:15 11:55:35 Importance=C3
UVSP 11:52 11:48:20 11:49:15 11:55:35 Peak...c/s=558
Radio Sweeps Type/Intensity: V/1 WaveLength=1547A Code=00 Exp #=12587

Event # = 1269 DOY=275 SMM Pointing: N15E39 Pitch=-162", Yaw=+581", Roll=0deg H. Ang=39deg
80/10/01, 00:31:00 Start Peak
Optical 00:24 00:31 00:34 End times
GOES 00:22:35 00:23:10 00:23:50 Ha...Class=SB
BCS 00:28 00:30 00:32 Importance=C2
Radio Frequency(MHz)/Flux(sfu): 245/77 606/11 CaPeak...c/s=34
BCS 00:33 00:33 00:33 CaPeak...c/s=19
Radio Frequency(MHz)/Flux(sfu): 1415/7 2695/12 4995/18 8800/21
Associated Event # = 20820
FePeak...c/s=8 #Peaks=1
FePeak...c/s=8 #Peaks=1

Event # = 1270 DOY=275 SMM Pointing: N15E39 Pitch=-162", Yaw=+581", Roll=0deg H. Ang=39deg
80/10/01, 00:31:00 Start Peak
Optical 00:24 00:31 00:34 End times
GOES 00:22:35 00:23:10 00:23:50 Ha...Class=SB
BCS 00:28 00:30 00:32 Importance=C2
Radio Frequency(MHz)/Flux(sfu): 1415/7 2695/12 4995/18 8800/21
Associated Event # = 20820
FePeak...c/s=8 #Peaks=1
FePeak...c/s=8 #Peaks=1

Event # = 1271 DOY=275 SMM Pointing: N15E39 Pitch=-162", Yaw=+581", Roll=0deg H. Ang=39deg
80/10/01, 00:31:00 Start Peak
Optical 00:24 00:31 00:34 End times
GOES 00:22:35 00:23:10 00:23:50 Ha...Class=SB
BCS 00:28 00:30 00:32 Importance=C2
Radio Frequency(MHz)/Flux(sfu): 1415/7 2695/12 4995/18 8800/21
Associated Event # = 20820
FePeak...c/s=8 #Peaks=1
FePeak...c/s=8 #Peaks=1

Event # = 1270
80/10/01,00:39 DOY=275
Start Peak
Optical
GOES 00:36 00:39 00:41
HXRBs 00:35:50 00:37:55 00:39:45
BCS 00:37 00:38 00:41
UVSP
Radio Frequency(MHz)/Flux(sfu): 245/530
SMM Pointing: N15E39
Ha...Class=S8
Importance=C2
Peak...c/s=136
CaPeak.c/s=47
Qual=1
Tot Cts=2585
FePeak=00:38
#Peaks=1
Pitch=-162", Yaw=+581", Roll=0deg
Mac.=EAI Carr. Lon.=253deg
MaxkeV=130
FePeak.c/s=18
XEN=27502
Pitch=-161", Yaw=+568"

Event # = 20821
80/10/01,01:41 DOY=275
Start Peak
Optical
GOES 01:36 01:41 01:49
BCS 01:40 01:40 01:42
FCS 01:40
UVSP
Radio Sweeps Type/Intensity: III/1
Radio Frequency(MHz)/Flux(sfu): 245/1200
SMM Pointing: N15E38
Ha...Class=SN
Importance=C2
CaPeak.c/s=23
Peak3...c/s=70
Qual=1
FePeak=01:40
Pitch=-161", Yaw=+570", Roll=0deg
Mac.=EAI Carr. Lon.=252deg
FePeak.c/s=10
Rast=0"x0"
#Peaks=1
Step=0"
Cad=3840s
Pitch=-161", Yaw=+568"
XEN=27503
3840s/pixel

Event # = 1271
80/10/01,10:31 DOY=275
Start Peak
GOES 10:08 10:31 10:36
HXRBs 10:09:50 10:10:40 10:11:10
BCS 10:27 10:30 10:31
FCS 10:28
UVSP 10:24
SMM Pointing: N15E33
Importance=C2
Peak...c/s=60
CaPeak.c/s=52
Peak3...c/s=29
Wavelength=1550A
Code=00
Exp #=12610
FePeak=10:30
Pitch=-156", Yaw=+511", Roll=0deg
H. Ang=34deg
MaxkeV=57
FePeak.c/s=12
Rast=120"x120"
Rast=67"x67"
#Peaks=1
dt= 3.2s
XEN=27505
Step=15"
Cad=65.5s
Pitch=-136", Yaw=+438"

Event # = 1272
80/10/01,12:57 DOY=275
Start Peak
GOES 12:49 12:57 13:06
HXRBs 13:04:05 13:06:05 13:07:15
UVSP 12:55
Radio Frequency(MHz)/Flux(sfu): 1415/17 2695/14 4995/17 8800/19 15400/16
SMM Pointing: N15E32
Importance=C4
Peak...c/s=65
Wavelength=1553A
Code=00
Exp #=12618
Pitch=-155", Yaw=+488", Roll=0deg
H. Ang=32deg
MaxkeV=57
Rast=67"x67"
Step=3"
Pitch=-138", Yaw=+416"

Event # = 1273
80/10/01,15:08 DOY=275
Start Peak
Optical
GOES 15:05 15:08 15:11
HXRBs 15:06:15 15:07:15 15:09:05
BCS 15:08 15:10 15:11
FCS 15:10
UVSP 14:28
Radio Sweeps Type/Intensity: III/2
Radio Frequency(MHz)/Flux(sfu): 245/2000 410/390 1415/16 2695/28 4995/39 8800/23
SMM Pointing: N15E31
Ha...Class=SN
Importance=C2
Peak...c/s=142
CaPeak.c/s=26
Peak3...c/s=39
Wavelength=1692A
Code=00
Exp #=12627
Pitch=-154", Yaw=+476", Roll=0deg
H. Ang=31deg
Mac.=EAI Carr. Lon.=248deg
MaxkeV=130
FePeak.c/s=10
Rast=120"x120"
Rast=120"x120"
#Peaks=1
dt= 3.2s
XEN=27506
Step=15"
Cad=65.5s
Pitch=-160", Yaw=+452"

Event # = 1274	DOY=275	SMM Pointing:	N15E28					
80/10/01,20:04	Peak	Ha...Class=SN	N14E22	AR2701				Pitch=-151" , Yaw=+439" , Roll=0deg H. Ang=29deg
		Importance=C1	Qual=03					Mac.=EAI Carr. Lon.=254deg H. Ang=23deg
Optical	20:04	Peak...c/s=62	Code=00					
GOES	20:01:00	Wave length=1692A		Tot Cts=1240				MaxkeV=57
HXRBS	20:01:00			Exp #=12639				Rast=120"x120" Step=10" Pitch=-292" , Yaw=+290"
UVSP	19:14							
80/10/02 DOY=276								
Event # = 1275	DOY=276	SMM Pointing:	N15E24					
80/10/02,02:01	Peak	Ha...Class=SF	S20E90	AR2710				Pitch=-148" , Yaw=+383" , Roll=0deg H. Ang=25deg
		Importance=M1	Qual=01					Mac.=HSX Carr. Lon.=183deg H. Ang=92deg
Optical	01:52	Peak...c/s=83	Code=00					
GOES	01:56:15	Wave length=1402A		Tot Cts=3700				MaxkeV=57
HXRBS	01:56:15			Exp #=12652				Rast=60" x60" Step=4" Pitch=-134" , Yaw=+381"
UVSP	01:40							
Radio		Frequency (MHz)/Flux(sfu):						
80/10/02 DOY=276								
Event # = 1276	DOY=276	SMM Pointing:	N15E24					
80/10/02,03:13	Peak	Ha...Class=SB	N12E18	AR2701				Pitch=-149" , Yaw=+376" , Roll=0deg H. Ang=25deg
		Importance=C1	Qual=01					Mac.=EAI Carr. Lon.=254deg H. Ang=19deg
Optical	03:10	Peak...c/s=141	Code=00					
GOES	03:12:25	Wave length=1399A		Tot Cts=5320				MaxkeV=130
HXRBS	03:12:25			Exp #=12653				Rast=4" x4" Step=0" Pitch=-133" , Yaw=+369"
UVSP	03:08							
Radio		Type/Intensity:						
Radio Sweeps		111/1						
Frequency (MHz)/Flux(sfu):		245/400 410/32 606/13 1415/21 2695/23 4995/24 8800/27 15400/14						
80/10/03 DOY=277								
Event # = 20822	DOY=277	SMM Pointing:	N15E10					
80/10/03,04:55	Peak	Importance=C2	Qual=01					Pitch=-142" , Yaw=+156" , Roll=0deg H. Ang=13deg
GOES	04:52	CaPeak.c/s=19	Qual= 1	FePeak=04:56				FePeak.c/s=6 #Peaks=1 XEN=27700
BCS	04:56							
80/10/03 DOY=277								
Event # = 20823	DOY=277	SMM Pointing:	N15E10					
80/10/03,05:35	Peak	Importance=C2	Qual=03					Pitch=-142" , Yaw=+156" , Roll=0deg H. Ang=13deg
GOES	05:20	CaPeak.c/s=24	Qual= 1	FePeak=05:31				FePeak.c/s=10 #Peaks=1 XEN=27702
BCS	05:30	Peak3..c/s=16						Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
FCS	05:31							
Radio		Frequency (MHz)/Flux(sfu):						
80/10/03 DOY=277								
Event # = 1277	DOY=277	SMM Pointing:	N15E08					
80/10/03,08:23	Peak	Ha...Class=SN	N14E05	AR2701				Pitch=-140" , Yaw=+126" , Roll=0deg H. Ang=11deg
		Importance=C4	Qual=01					Mac.=DAI Carr. Lon.=251deg H. Ang=9deg
Optical	08:14	Peak...c/s=115	Qual=01					
GOES	08:20:30	CaPeak.c/s=128	Qual= 1	Tot Cts=2750				MaxkeV=57
HXRBS	08:20:30	Peak3..c/s=437		FePeak=08:23				FePeak.c/s=37 #Peaks=1 dt= 3.2s XEN=27704
BCS	08:19							Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel
FCS	08:28							
HXIS	08:23							

Event # = 1278		
80/10/03 17:35	DOY=277	
Start	Peak	
Optical		SMM Pointing:
G0ES 17:33	17:35	Ha...Class=SN
HXRBS 17:35:30	17:35:55	Importance=C2
UVSP 17:33		Peak...c/s=56
		Wavelength=1402A
	Exp #=12759	Code=00
		Pitch=-123" , Yaw=-38" , Roll=0deg
		H. Ang=8deg
		Mac. =DAI
		Carr. Lon. =250deg
		H. Ang=6deg
		MaxkeV=57
		Flags=AX
		Rast=28"x28"
		Step=4"
		Pitch=-82" , Yaw=-3"
Event # = 20824		
80/10/03 22:20	DOY=277	
Start	Peak	
Optical		SMM Pointing:
G0ES 21:40	22:20	Ha...Class=IN
BCS 22:12	22:23	Importance=C4
FCS 22:19	22:19	CaPeak.c/s=36
UVSP 22:19		Peak3...c/s=35
		Wavelength=1402A
	Exp #=12767	Code=00
		Pitch=-125" , Yaw=-79" , Roll=0deg
		H. Ang=9deg
		Mac. =AXX
		Carr. Lon. =243deg
		H. Ang=12deg
		FePeak.c/s=7
		#Peaks=1
		dt= 6.5s
		XEN=27705
		Rast=0"x0"
		Step=0"
		Cad=30.7s
		30.72s/pixel
		Rast=120"x240"
		Step=4"
		Pitch=-124" , Yaw=-147"
80/10/04 DOY=278		
80/10/04 00:29	DOY=278	
Start	Peak	
Optical		SMM Pointing:
G0ES 00:24	00:29	Importance=C2
BCS 00:27	00:29	CaPeak.c/s=23
UVSP 00:10	00:29	Wavelength=1549A
		Code=00
	Exp #=12773	
		FePeak=00:27
		#Peaks=1
		XEN=27800
		Rast=30"x30"
		Step=3"
		Pitch=-132" , Yaw=-45"
Event # = 1279		
80/10/04 05:15	DOY=278	
Start	Peak	
Optical		SMM Pointing:
G0ES 05:14	05:20	Importance=C1
HXRBS 05:12:55	05:13:15	Peak...c/s=201
UVSP 04:51	05:13:50	Wavelength=1548A
		Code=00
	Tot Cts=1375	
	Exp #=12785	
		Pitch=-126" , Yaw=-83" , Roll=0deg
		H. Ang=9deg
		MaxkeV=57
		Rast=3"x3"
		Step=0"
		Pitch=-117" , Yaw=-112"
Event # = 1280		
80/10/04 16:43	DOY=278	
Start	Peak	
Optical		SMM Pointing:
G0ES 16:43:05	16:43:25	Importance=C1
HXRBS 17:23	16:43:55	Peak...c/s=61
UVSP 17:23	16:43:55	Wavelength=1399A
		Code=00
	Exp #=12822	
		Pitch=-126" , Yaw=-177" , Roll=0deg
		H. Ang=13deg
		MaxkeV=57
		Rast=4"x4"
		Step=0"
		Pitch=-98" , Yaw=-190"
Event # = 20826		
80/10/04 21:23	DOY=278	
Start	Peak	
Optical		SMM Pointing:
G0ES 21:18	21:23	Ha...Class=SF
BCS 21:24	21:26	Importance=C2
FCS 21:26	21:27	CaPeak.c/s=22
UVSP 20:43	21:26	Peak3...c/s=17
		Wavelength=1402A
	Exp #=12830	Code=00
		Pitch=-128" , Yaw=-220" , Roll=0deg
		H. Ang=15deg
		Mac. =DAI
		Carr. Lon. =253deg
		H. Ang=19deg
		FePeak.c/s=9
		#Peaks=1
		dt= 6.5s
		XEN=27802
		Rast=0"x0"
		Step=0"
		Cad=30.7s
		30.72s/pixel
		Rast=28"x28"
		Step=4"
		Pitch=-177" , Yaw=-237"

Event # = 1281
 80/10/05,12:51 Start DOY=279 Peak H. Ang=23deg
 SMM Pointing: Pitch=-133", Yaw=-356", Roll=0deg
 N14W22
 Optical Ha...Class=SN AR2701 H. Ang=24deg
 N11W24 Carr. Lon.=251deg
 N16E77 AR2717 H. Ang=76deg
 GOES 12:50 12:51 12:57 Importance=C2 Qual=01
 HXRBS 12:51:10 12:51:30 12:52:25 Peak...c/s=94
 UVSP 12:40 12:51:10 12:51:30 12:52:25 WaveLength=1402A Code=00 Exp #=12865
 Pitch=4" Roll=0deg
 MaxkeV=57
 Rast=28"x28" Step=4" Pitch=-126", Yaw=-383"

Event # = 1282
 80/10/05,16:03 Start DOY=279 Peak H. Ang=25deg
 SMM Pointing: Pitch=-135", Yaw=-386", Roll=0deg
 N14W24
 Optical Ha...Class=SF AR2705 H. Ang=82deg
 N04W82 Carr. Lon.=308deg
 GOES 16:01 16:03 16:05 Importance=C2 Qual=01
 HXRBS 16:03:18 16:03:20 16:03:48 Peak...c/s=95
 UVSP 15:52 16:03:18 16:03:20 16:03:48 WaveLength=1402A Code=00 Exp #=12871
 Pitch=4" Roll=0deg
 MaxkeV=57
 Rast=28"x28" Step=4" Pitch=-127", Yaw=-405"

Event # = 1283
 80/10/05,16:14 Start DOY=279 Peak H. Ang=25deg
 SMM Pointing: Pitch=-135", Yaw=-386", Roll=0deg
 N14W24
 Optical Ha...Class=SF AR2705 H. Ang=82deg
 N04W82 Carr. Lon.=308deg
 GOES 16:13 16:14 16:15 Importance=C1 Qual=01
 HXRBS 16:14:03 16:14:04 16:14:33 Peak...c/s=75
 UVSP 15:52 16:14:03 16:14:04 16:14:33 WaveLength=1402A Code=00 Exp #=12871
 Pitch=4" Roll=0deg
 MaxkeV=57
 Rast=28"x28" Step=4" Pitch=-127", Yaw=-405"

Event # = 1284
 80/10/05,17:54 Start DOY=279 Peak H. Ang=26deg
 SMM Pointing: Pitch=-135", Yaw=-401", Roll=0deg
 N14W25
 Optical Importance=C1 Qual=01
 GOES 17:52 17:54 17:59 Peak...c/s=75
 HXRBS 17:54:40 17:55:15 17:56:10 WaveLength=1402A Code=00 Exp #=12874
 UVSP 17:28 17:54:40 17:55:15 17:56:10
 MaxkeV=57
 Rast=28"x28" Step=4" Pitch=-120", Yaw=-418"

Event # = 1285
 80/10/06,01:24 Start DOY=280 Peak H. Ang=30deg
 SMM Pointing: Pitch=-138", Yaw=-466", Roll=0deg
 N14W30
 Optical Ha...Class=SN AR2705 H. Ang=90deg
 N07W91 Carr. Lon.=311deg
 GOES 01:18 01:24 01:31 Importance=C6 Qual=01
 HXRBS 01:20:15 01:23:30 01:25:10 Peak...c/s=294
 UVSP 01:22 01:23:30 01:25:10 WaveLength=1354A Code=00 Tot Cts=10915
 Radio Sweeps Type/Intensity: III/2 Exp #=12900
 Frequency(MHz)/Flux(sfu): 245/120 410/60
 MaxkeV=131
 Rast=240"x240" Step=3" Pitch=-198", Yaw=-537"

Event # = 1286
 80/10/06,14:36 Start DOY=280 Peak H. Ang=37deg
 SMM Pointing: Pitch=-143", Yaw=-563", Roll=0deg
 N14W37
 Optical Importance=C1 Qual=01
 GOES 14:35 14:36 14:39 Peak...c/s=112
 HXRBS 14:36:00 14:36:55 14:41:30 WaveLength=1402A Code=00 Tot Cts=1320
 UVSP 14:14 14:36:00 14:36:55 14:41:30
 MaxkeV=131
 Rast=28"x28" Step=4" Pitch=-127", Yaw=-563"

Event # = 1287										
80/10/06, 21:15	DOY=280		SMM Pointing:	N15E63				Pitch=-203", Yaw=+830", Roll=0deg		H. Ang=63deg
GOES 21:14	Peak 21:15	End times 21:21	Importance=C2	Qual=01				MaxkeV=131		
HXRBS 21:14:35	21:15:30	21:17:15	Peak...c/s=318	Qual=01				FePeak.c/s=13	#Peaks=1	XEN=28000
BCS 21:18	21:18	21:20	CapPeak.c/s=23	Qual=1				Rast=180"x180"	Step=15"	Cad= 147s 1.024s/pixel
FCS 20:39	21:18		Peak3...c/s=82					Rast=60"x60"	Step=4"	Pitch=-191", Yaw=+803"
UVSP 20:39			Wavelength=1402A	Code=00	Exp #=12981					
Event # = 1288										
80/10/07, 00:22	DOY=281		SMM Pointing:	N15E61				Pitch=-198", Yaw=+813", Roll=0deg		H. Ang=60deg
GOES 00:04	Peak 00:22	End times 00:29	Importance=C2	Qual=01				MaxkeV=57		
HXRBS 00:07:15	00:07:55	00:09:50	Peak...c/s=65	Qual=01				Rast=60"x60"	Step=4"	Pitch=-200", Yaw=+843"
UVSP 23:52			Wavelength=1402A	Code=00	Exp #=12987					
Event # = 1289										
80/10/07, 00:32	DOY=281		SMM Pointing:	N15E61				Pitch=-198", Yaw=+813", Roll=0deg		H. Ang=60deg
GOES 00:29	Peak 00:32	End times 00:37	Importance=C3	Qual=03				MaxkeV=57		
HXRBS 00:29:40	00:30:40	00:31:50	Peak...c/s=138	Qual=01				Rast=60"x60"	Step=4"	Pitch=-200", Yaw=+843"
UVSP 23:52			Wavelength=1402A	Code=00	Tot Cts=2210 Exp #=12987					
Event # = 1290										
80/10/07, 02:04	DOY=281		SMM Pointing:					Pitch=-962", Yaw=+0", Roll=0deg		
Optical			Ha...Class=SF	N15E65				Mac.=EKI	Carr. Lon.=142deg	H. Ang=64deg
GOES 02:01	Peak 02:04	End times 02:06	Importance=C1	Qual=01				MaxkeV=57		
HXRBS 02:03:40	02:04:25	02:05:25	Peak...c/s=79	Qual=01				Rast=120"x120"	Step=3"	Pitch=-961", Yaw=-13"
UVSP 02:02			Wavelength=2912A	Code=01	Exp #=12992					
Event # = 1291										
80/10/07, 03:05	DOY=281		SMM Pointing:	N14E60				Pitch=-179", Yaw=+807", Roll=0deg		H. Ang=59deg
GOES 03:04	Peak 03:05	End times 03:07	Importance=C2	Qual=01				MaxkeV=57		
HXRBS 03:02:35	03:03:50	03:05:10	Peak...c/s=107	Qual=01				Rast=240"x240"	Step=3"	Pitch=-239", Yaw=+738"
UVSP 02:57			Wavelength=1549A	Code=00	Tot Cts=1240 Exp #=12995					
Event # = 1292										
80/10/07, 09:31	DOY=281		SMM Pointing:	N14E56				Pitch=-173", Yaw=+771", Roll=0deg		H. Ang=55deg
Optical			Ha...Class=1B	S07E83				Mac.=DKI	Carr. Lon.=120deg	H. Ang=84deg
GOES 09:25	Peak 09:31	End times 09:43	Importance=M1	Qual=01				MaxkeV=131		
HXRBS 09:26:25	09:28:50	09:38:40	Peak...c/s=485	Qual=01				FePeak.c/s=31	#Peaks=1	XEN=28110
BCS 09:29	09:32	09:56	CapPeak.c/s=73	Qual=1				Rast=0"x0"	Step=0"	Cad=30.7s 30.72s/pixel
FCS 09:31	09:31		Peak3...c/s=37					Rast=28"x28"	Step=4"	Pitch=-216", Yaw=+815"
UVSP 09:31			Wavelength=1402A	Code=02	Exp #=13031					
Radio Sweeps			Type/Intensity:							
Radio			Frequency (MHz)/Flux(sfu):							

Event # = 4281	DOY=281	SMM Pointing:	N14E53	Pitch=-171", Yaw=+749", Roll=0deg	H. Ang=53deg
80/10/07, 14:15	Peak	Ha...Class=SN	S07E90	Mac.=DKI	Carr. Lon.=110deg
Optical	End times	Importance=M1	Qual=01	Flags=I	H. Ang=91deg
GOES 14:09	14:28	Peak...c/s=479	Qual=01	MaxkeV=105	Pitch=-230", Yaw=+685"
HXRBS 14:09:55	14:19:50	WaveLength=1402A	Code=00	Rast=240"x240"	Step=4"
UVSP 14:14				Tot Cts=27174	
				Exp #=13039	
Event # = 4282	DOY=281	SMM Pointing:	N14E53	Pitch=-171", Yaw=+749", Roll=0deg	H. Ang=53deg
80/10/07, 14:34	Peak	Ha...Class=IB	N13E49	Mac.=EKI	Carr. Lon.=151deg
Optical	End times	Importance=M1	Qual=01	Flags=I	H. Ang=49deg
GOES 14:29	14:50	Peak...c/s=241	Qual=01	MaxkeV=57	dt= 1.1s
HXRBS 14:22:10	14:39:39	CaPeak.c/s=425	Qual= 1	FePeak.c/s=132	XEN=28100
BCS 14:22	15:03	Peak3...c/s=732		Rast=180"x180"	Step=15"
FCS 14:35		Peak...c/s=714		Cad= 147s	1.024s/pixel
HXIS 14:17		WaveLength=1402A	Code=00	Rast=28"x28"	Step=4"
UVSP		4995/15 8800/14		Exp #=13040	Pitch=-156", Yaw=+703"
Radio	Frequency (MHz)/Flux(sfu):				
Event # = 4283	DOY=281	SMM Pointing:	N14E53	Pitch=-171", Yaw=+749", Roll=0deg	H. Ang=53deg
80/10/07, 15:11	Peak	Ha...Class=SN	N18E51	Mac.=EKI	Carr. Lon.=149deg
Optical	End times	Importance=C5	Qual=02	Flags=I	H. Ang=51deg
GOES 15:02	15:13	Peak...c/s=57	Qual=01	MaxkeV=57	Step=0"
HXRBS 15:02:40	15:04:10	WaveLength=1541A		Rast=3"x3"	Pitch=-237", Yaw=+667"
UVSP 15:39		245/17 8800/39		Exp #=13042	
Radio	Frequency (MHz)/Flux(sfu):				
Event # = 1293	DOY=281	SMM Pointing:	N14E52	Pitch=-167", Yaw=+738", Roll=0deg	H. Ang=52deg
80/10/07, 16:13	Peak	Ha...Class=SN	N19E57	Mac.=EKI	Carr. Lon.=142deg
Optical	End times	Importance=M1	Qual=01	MaxkeV=57	H. Ang=57deg
GOES 15:58	16:25	Peak...c/s=119	Qual=01	FePeak.c/s=103	dt= 3.2s
HXRBS 15:58:15	16:08:50	CaPeak.c/s=445	Qual= 1	Rast=180"x180"	XEN=28103
BCS 15:56	16:10	Peak3...c/s=677		Step=10"	Cad= 332s
FCS 16:06		Peak...c/s=714		Step=9"	1.024s/pixel
HXIS 16:08		WaveLength=1547A	Code=00	Rast=102"x102"	Pitch=-312", Yaw=+699"
UVSP 15:58				Exp #=13045	
Event # = 1294	DOY=281	SMM Pointing:	N14E52	Pitch=-167", Yaw=+738", Roll=0deg	H. Ang=52deg
80/10/07, 17:37	Peak	Importance=C5	Qual=01	MaxkeV=131	H. Ang=52deg
Optical	End times	Peak...c/s=372	Qual=01	Rast=39"x39"	Pitch=-163", Yaw=+692"
GOES 17:19	18:04	WaveLength=1547A	Code=00	Tot Cts=5265	
HXRBS 17:19:55	17:21:10	2695/13 4995/55	8800/70	Exp #=13052	
UVSP 17:28				Exp #=13054	
Radio	Frequency (MHz)/Flux(sfu):				
Event # = 1295	DOY=281	SMM Pointing:	N14E51	Pitch=-169", Yaw=+725", Roll=0deg	H. Ang=51deg
80/10/07, 18:56	Peak	Peak...c/s=64	Qual=01	MaxkeV=57	H. Ang=51deg
Optical	End times	WaveLength=1547A	Qual=01	Rast=240"x240"	Pitch=-226", Yaw=+659"
GOES 18:55:00	18:57:00			Step=3"	
HXRBS 18:55				Step=3"	
UVSP 18:55				Step=3"	

Event # = 20411
 80/10/07,22:16 DOY=281
 Start Peak
 Optical
 GOES 22:10 22:16 22:40 22:45
 BCS 22:02 22:18 22:45
 FCS 22:31 22:31
 HXIS 22:16
 UVSP 22:16
 SMM Pointing: N14E49
 Ha...Class=SF AR2717
 Importance=C6
 CaPeak.c/s=139
 Peak3..c/s=196
 Peak...c/s=226
 Wavelength=1547A Code=02 Exp #=13064
 Pitch=-164",Yaw=+709",Roll=0deg
 Mac.=EKI Carr.Lon.=147deg
 FePeak.c/s=29 #Peaks=1 dt= 6.3s XEN=28121
 Rast=0"x0" Step=0" Cad=30.7s 30.72s/pixel
 Rast=39"x39" Step=3" Pitch=-205",Yaw=+726"

Event # = 20412
 80/10/07,23:18 DOY=281
 Start Peak
 Optical
 GOES 23:10 23:18 23:48
 BCS 23:37 23:37 00:29
 FCS 23:41
 HXIS 23:36
 UVSP 23:38
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 245/48 606/89 1415/110 2695/250 4995/530 8800/750 15400/300
 SMM Pointing: N14E49
 Ha...Class=2B AR2717
 Importance=M5
 CaPeak.c/s=518
 Peak3..c/s=638
 Peak...c/s=667
 Wavelength=1543A
 IV/2 Exp #=13065
 Pitch=-164",Yaw=+709",Roll=0deg
 Mac.=EKI Carr.Lon.=144deg
 FePeak.c/s=51 #Peaks=1 XEN=28109
 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
 Rast=3"x3" Step=0" Pitch=-204",Yaw=+717"

Event # = 20827
 80/10/08,01:16 DOY=282
 Start Peak
 GOES 01:13 01:16 01:33
 BCS 01:13 01:16 01:33
 FCS 01:20
 UVSP 01:14
 SMM Pointing: N14E47
 Qual=00
 CaPeak.c/s=37 FePeak=01:16
 Peak3..c/s=187
 Wavelength=1397A
 Exp #=13070
 Pitch=-161",Yaw=+683",Roll=0deg
 H.Ang=47deg

Event # = 20828
 80/10/08,01:38 DOY=282
 Start Peak
 GOES 01:36 01:38 01:38
 BCS 01:36 01:38 01:38
 FCS 01:30
 UVSP 01:30
 SMM Pointing: N14E47
 Qual=00
 CaPeak.c/s=20 FePeak=01:38
 Peak3..c/s=106
 Wavelength=1405A
 Exp #=13073
 Pitch=-161",Yaw=+683",Roll=0deg
 H.Ang=47deg

Event # = 1296
 80/10/08,01:43 DOY=282
 Start Peak
 Optical
 GOES 01:39 01:43 01:53
 HXRBS 01:38:15 01:41:35 01:47:30
 BCS 01:41 01:41 01:41
 UVSP 01:43
 Radio Frequency(MHz)/Flux(sfu): 245/26 410/26 606/2 1415/9 2695/20 4995/30 8800/45 15400/27
 SMM Pointing: N14E47
 Ha...Class=SN AR2726
 Importance=M2
 Peak...c/s=736
 CaPeak.c/s=20
 Wavelength=1401A Code=02 Exp #=13074
 MaxkeV=131
 FePeak.c/s=8 #Peaks=1 XEN=28206
 Rast=12"x12" Step=4" Pitch=-155",Yaw=+638"

Event # = 20829
 80/10/08,01:44 DOY=282
 Start Peak
 GOES 01:39 01:44 02:06
 BCS 01:46 01:46 01:46
 UVSP 01:43
 SMM Pointing: N14E47
 Importance=M2
 CaPeak.c/s=18
 Wavelength=1401A Code=00
 FePeak=01:46
 Exp #=13074
 Pitch=-161",Yaw=+683",Roll=0deg
 H.Ang=47deg

Event # = 1297 80/10/08 02:07 Start	DOY=282 Peak	End times	SMM Pointing:	N14E47	Pitch=-161", Yaw=+683", Roll=0deg	H. Ang=47deg
Optical			Ha...Class=SF		Mac.=EKI	H. Ang=43deg
GOES 02:05	02:07	02:09	Importance=C5	N16E43		
HXRBS 02:06:10	02:07:10	02:08:45	Peak...c/s=88	Qual=03		
BCS 02:07	02:09	02:14	CaPeak.c/s=45	Qual=01	#Peaks=1 dt= 6.3s XEN=28208	
FCS 02:08	02:08		Peak3...c/s=36	Qual=1	Step=0" Cad=30.7s 30.72s/pixel	
HXIS 02:08	02:08		WaveLength=1344A	Code=00	Step=0" Pitch=-155", Yaw=+637"	
UVSP 01:59				Exp #=13076		
Event # = 1298 80/10/08 03:01 Start	DOY=282 Peak	End times	SMM Pointing:	N14E46	Pitch=-159", Yaw=+671", Roll=0deg	H. Ang=46deg
Optical			Ha...Class=SN		Mac.=DKI	H. Ang=76deg
GOES 03:00	03:01	03:03	Importance=C2	S07E75		
HXRBS 02:58:00	02:58:50	03:01:05	Peak...c/s=92	Qual=01		
UVSP 03:00	03:00		WaveLength=1402A	Code=00	Step=4" Pitch=-220", Yaw=+613"	
Event # = 1299 80/10/08 03:36 Start	DOY=282 Peak	End times	SMM Pointing:	N14E46	Pitch=-159", Yaw=+671", Roll=0deg	H. Ang=46deg
GOES 03:33	03:36	03:39	Importance=C5	Qual=01		
HXRBS 03:34:05	03:35:35	03:37:35	Peak...c/s=172	Qual=01	MaxkeV=57	
UVSP 03:34	03:34		WaveLength=1344A	Code=00	Rast=240"x240" Step=0" Pitch=-178", Yaw=+635"	
Event # = 1300 80/10/08 08:26 Start	DOY=282 Peak	End times	SMM Pointing:	N06W00	Pitch=-1", Yaw=-3", Roll=0deg	H. Ang=0deg
GOES 08:20	08:26	08:31	Importance=C2	Qual=01		
HXRBS 08:22:30	08:23:30	08:24:35	Peak...c/s=75	Qual=01	MaxkeV=57	
UVSP 08:14	08:14		WaveLength=1547A	Code=01	Rast=120"x120" Step=3" Pitch=-1", Yaw=-14"	
Event # = 1301 80/10/08 09:58 Start	DOY=282 Peak	End times	SMM Pointing:	N14E43	Pitch=-153", Yaw=+632", Roll=0deg	H. Ang=43deg
GOES 09:54	09:58	10:01	Importance=C2	Qual=01		
HXRBS 09:55:05	09:56:00	09:57:20	Peak...c/s=66	Qual=01	MaxkeV=57	
UVSP 09:26	09:26		WaveLength=1547A	Code=00	Rast=39"x39" Step=3" Pitch=-131", Yaw=+639"	
Event # = 1302 80/10/08 10:55 Start	DOY=282 Peak	End times	SMM Pointing:	N14E42	Pitch=-157", Yaw=+626", Roll=0deg	H. Ang=42deg
GOES 10:50	10:55	10:59	Importance=C1	Qual=01		
HXRBS 10:51:20	10:52:35	10:53:45	Peak...c/s=88	Qual=01	MaxkeV=57	
BCS 10:53	10:55	10:57	CaPeak.c/s=27	Qual=1	FePeak=10:55 dt= 3.2s XEN=28209	
FCS 10:53	10:55		Peak3...c/s=147	Code=00	Rast=180"x180" Step=20" Cad=41.5s 0.512s/pixel	
UVSP 10:53	10:53		WaveLength=1547A	Code=00	Rast=240"x240" Step=3" Pitch=-224", Yaw=+553"	
HXRBS 10:58:40	10:59:50	11:01:15	Peak...c/s=74	Associated Event # = 1303	MaxkeV=57	

Event # = 1304													
80/10/08	13:15	DOY=282		SMM Pointing:		N14E42		Pitch=-154", Yaw=+619", Roll=0deg		H. Ang=42deg			
Optical		Peak		Ha...Class=SN		S09E72		Mac.=DKI		H. Ang=73deg			
GOES	13:10	13:15	13:19	Importance=C3		Qual=01		Carr. Lon.=116deg		H. Ang=73deg			
HXRBS	13:11:50	13:13:15	13:14:50	Peak...c/s=79		Qual=01		MaxkeV=57					
UVSP	13:08			Wavelength=1547A		Code=00	Exp #=13119	Step=3"		Pitch=-131", Yaw=+482"			
Event # = 1305													
80/10/08	14:12	DOY=282		SMM Pointing:		N14E41		Pitch=-153", Yaw=+608", Roll=0deg		H. Ang=41deg			
Optical		Peak		Ha...Class=SN		N12E40		Carr. Lon.=147deg		H. Ang=40deg			
GOES	14:10	14:12	14:21	Importance=C2		Qual=01		MaxkeV=131		dt= 3.2s		XEN=28211	
HXRBS	14:11:35	14:12:45	14:14:10	Peak...c/s=247		Qual=01	Tot Cts=3565	Rast=0"x0"		Cad=30.7s		30.72s/pixel	
BCS	14:13	14:16	14:22	CaPeak.c/s=40		Qual= 1	FePeak=14:16	Rast=240"x240"		Pitch=-222", Yaw=+531"			
FCS	14:19			Peak3...c/s=45			Exp #=13122	Step=3"					
UVSP	14:06			Wavelength=1547A		Code=00	Exp #=13122	Step=3"					
Radio		Frequency(MHz)/Flux(sfu):		606/140 1415/18 2695/17 4995/20 8800/41 15400/24									
Event # = 20830													
80/10/08	14:26	DOY=282		SMM Pointing:		N14E41		Pitch=-153", Yaw=+608", Roll=0deg		H. Ang=41deg			
Optical		Peak		CaPeak.c/s=19		Qual=00		FePeak.c/s=13		#Peaks=1		XEN=28220	
GOES	14:24	14:26	14:27	Peak3...c/s=36		Qual= 1	FePeak=14:26	Rast=0"x0"		Step=0"		Cad=30.7s	
HXRBS	14:23			Wavelength=1547A			Exp #=13124	Rast=60"x60"		Pitch=-143", Yaw=+591"			
UVSP													
Event # = 1306													
80/10/08	15:43	DOY=282		SMM Pointing:		N14E40		Pitch=-152", Yaw=+597", Roll=0deg		H. Ang=40deg			
Optical		Peak		Ha...Class=IB		N16E38		Mac.=EKI		H. Ang=38deg			
GOES	15:33	15:43	16:30	Importance=C8		Qual=01		MaxkeV=131		#Peaks=1		dt= 6.5s	
HXRBS	15:34:45	15:36:05	15:41:35	Peak...c/s=1070		Qual=01	Tot Cts=72160	Rast=240"x240"		Step=3"		Pitch=-221", Yaw=+520"	
BCS	15:35	15:41	16:16	CaPeak.c/s=266		Qual= 1	FePeak=15:40	4995/130 8800/120 15400/120		Step=0"		Cad=30.7s	
FCS	15:40			Peak...c/s=491			Exp #=13129	Step=3"					
UVSP	15:40			Wavelength=1547A		Code=00	Exp #=13129	Step=3"					
Radio		Frequency(MHz)/Flux(sfu):		245/280 410/470 606/540 1415/140 2695/170									
GOES	16:19	16:19	16:19	Associated Event # = 20831		Qual=00	Exp #=13133	Step=3"					
BCS	16:19			CaPeak.c/s=18		Qual= 1	FePeak=16:19	Rast=60"x60"		Pitch=-150", Yaw=+545"		XEN=28218	
UVSP	16:19			Wavelength=1547A			Exp #=13133						
Event # = 1307													
80/10/08	19:16	DOY=282		SMM Pointing:		N14E37		Pitch=-147", Yaw=+566", Roll=0deg		H. Ang=37deg			
Optical		Peak		Ha...Class=IN		S12E63		Mac.=DKI		H. Ang=65deg			
GOES	19:13	19:16	19:26	Importance=C5		N16E43		Carr. Lon.=121deg		H. Ang=43deg			
HXRBS	19:14:25	19:16:20	19:20:30	Peak...c/s=219		Qual=01	Tot Cts=7665	Carr. Lon.=141deg		H. Ang=43deg			
UVSP	18:50			Wavelength=1353A		Code=00	Exp #=13143	Step=10"		Pitch=-177", Yaw=+541"			

Event # = 1308	DOY=282	SMM Pointing:	N14E37	Pitch=-149", Yaw=+562", Roll=0deg	H. Ang=37deg
80/10/08, 20:34	Peak	Ha...Class=1B	S06E67	Mac.=DK1	H. Ang=68deg
Optical	End times	Importance=M3	Qual=01	Carr. Lon.=117deg	
GOES 20:21	20:34	Peak...c/s=2443	Qual=01	Tot Cts=3.58E+5	Flags=M
HXRBS 20:22:30	20:27:30	WaveLength=1402A	Code=00	Exp #=13145	Pitch=-209", Yaw=+496"
UVSP 20:30	20:45:00	245/310 410/37	606/32 1415/48	2695/110 4995/150	8800/190 15400/84
Radio	Frequency (MHz)/Flux(sfu):				
80/10/09 DOY=283					
Event # = 20832	DOY=283	SMM Pointing:	N14E34	Pitch=-144", Yaw=+520", Roll=0deg	H. Ang=34deg
80/10/09, 02:42	Peak	Ha...Class=SB	N10E34	Mac.=EK1	H. Ang=34deg
Optical	End times	Importance=C5	Qual=05	FePeak.c/s=10	XEN=28300
GOES 02:34	02:42	CaPeak.c/s=65	Qual=5	Rast=0"x0"	Cad=30.7s
BCS 02:46	02:46	Peak3...c/s=396	Code=02	Step=0"	Pitch=-149", Yaw=+510"
FCS 02:53	02:53	WaveLength=1399A			
UVSP 02:47	02:53				
Event # = 1309	DOY=283	SMM Pointing:	N14E31	Pitch=-142", Yaw=+476", Roll=0deg	H. Ang=31deg
80/10/09, 07:46	Peak	Importance=C3	Qual=04	MaxkeV=57	
GOES 07:29	07:46	WaveLength=1297A	Code=00	Rast=10"x1"	Step=0"
HXRBS 07:42:05	07:43:20	III/1 V/2			Pitch=-168", Yaw=+504"
UVSP 07:43	07:45:15	245/97 2695/21	4995/24 8800/18		
Radio	Type/Intensity:				
Radio	Frequency (MHz)/Flux(sfu):				
80/10/09 DOY=283					
Event # = 1310	DOY=283	SMM Pointing:	N14E29	Pitch=-140", Yaw=+449", Roll=0deg	H. Ang=29deg
80/10/09, 11:10	Peak	Importance=C1	Qual=01	MaxkeV=57	
GOES 11:08	11:10	CaPeak.c/s=19	Qual=1	FePeak=11:13	XEN=28301
HXRBS 11:09:35	11:10:45	WaveLength=1547A	Code=02	Exp #=13196	Pitch=-164", Yaw=+474"
BCS 11:13	11:13	Associated		Event # = 20833	
UVSP 11:10	11:10	Qual=01			
GOES 11:09	11:14	Importance=C1	Qual=1	FePeak.c/s=7	XEN=28302
BCS 11:16	11:16	CaPeak.c/s=20			
Event # = 1311	DOY=283	SMM Pointing:	N14E29	Pitch=-140", Yaw=+449", Roll=0deg	H. Ang=29deg
80/10/09, 11:27	Peak	Ha...Class=1B	S10E54	Mac.=DA1	H. Ang=56deg
Optical	End times	Importance=M8	Qual=01	AR2726	
GOES 11:22	11:27	Peak...c/s=26608	Qual=01	Tot Cts=1.83E+6	MaxkeV=131
HXRBS 11:23:25	11:24:55	Max.E..MeV=0.6		Nuclear.Line=N	dt=0.5s
GRS 11:23:53	11:25:15	CaPeak.c/s=78	Qual=2	FePeak=11:46	XEN=28303
BCS 11:44	11:46	Peak3...c/s=29		Rast=0"x0"	Cad=30.7s
FCS 11:44	11:44	WaveLength=1547A	Code=00	Exp #=13197	Pitch=-164", Yaw=+472"
UVSP 11:20	11:44	245/23 410/100	606/33 1415/94	2695/360 4995/850	8800/2900 15400/680
Radio	Frequency (MHz)/Flux(sfu):				

Event # = 1312									
80/10/09, 14:06	Start	DOY=283	End times	SMM Pointing:	N14E27				Pitch=-137", Yaw=+421", Roll=0deg
	GOES	14:06	14:11	Importance=C1	Qual=01				H. Ang=27deg
	HXRBS	14:05:25	14:06:10	Peak...c/s=78	Qual=01				
	UVSP	14:02		Wavelength=1547A	Code=00	Exp #=13208			MaxkeV=57
									Rast=240" x240" Step=3" Pitch=-209", Yaw=+352"
Event # = 1313									
80/10/09, 17:54	Start	DOY=283	End times	SMM Pointing:	N14E25				Pitch=-139", Yaw=+398", Roll=0deg
	Optical								H. Ang=26deg
	GOES	17:48	18:01	Ha...Class=SB	S10E49				
	HXRBS	17:48:30	17:49:45	Importance=C4	Qual=01	AR2726			Carr. Lon.=123deg
	UVSP	17:22	17:54:30	Peak...c/s=184	Qual=01				H. Ang=51deg
	Radio			Wavelength=1402A	Code=00	Tot Cts=4320			MaxkeV=57
				Frequency(MHz)/Flux(sfu):	4995/9 8800/14	Exp #=13221			Rast=60" x60" Step=4" Pitch=-108", Yaw=+230"
Event # = 1314									
80/10/09, 19:30	Start	DOY=283	End times	SMM Pointing:	N14E24				Pitch=-136", Yaw=+384", Roll=0deg
	Optical								H. Ang=25deg
	GOES	19:27	19:30	Ha...Class=SN	S07E51				
	HXRBS	19:29:20	19:30:50	Importance=C1	Qual=01	AR2725			Carr. Lon.=120deg
	UVSP	18:57	19:29:55	Peak...c/s=143	Qual=01				H. Ang=53deg
	Radio			Wavelength=1402A	Code=00	Tot Cts=1710			MaxkeV=57
				Frequency(MHz)/Flux(sfu):	245/48 4995/14 8800/27	Exp #=13224			Rast=60" x60" Step=4" Pitch=-108", Yaw=+221"
Event # = 20414									
80/10/09, 20:02	Start	DOY=283	End times	SMM Pointing:	N14E24				Pitch=-136", Yaw=+384", Roll=0deg
	Optical								H. Ang=25deg
	GOES	19:44	20:02	Ha...Class=1B	S06E47				
	BGS	20:20	20:18	Importance=M1	Qual=05	AR2726			Carr. Lon.=124deg
	FCS	20:20	20:29	CaPeak.c/s=45	Qual=5	FePeak=20:20			FePeak.c/s=8 #Peaks=1
	HXIS	20:25	20:25	Peak3...c/s=227					Rast=180" x180" Step=15" Cad= 147s XEN=28304
	UVSP	20:22	20:20	Peak...c/s=67					1.024s/pixel
	Radio			Wavelength=1399A		Exp #=13225			Rast=4" x4" Step=0" Pitch=+223", Yaw=+591"
				Frequency(MHz)/Flux(sfu):	4995/10 8800/120 15400/68				
Event # = 1315									
80/10/09, 22:22	Start	DOY=283	End times	SMM Pointing:	S08E51				Pitch=+198", Yaw=+742", Roll=0deg
	Optical								H. Ang=53deg
	GOES	22:17	22:22	Ha...Class=SB	S10E45				
	HXRBS	22:18:50	22:29	Importance=C4	Qual=01	AR2726			Carr. Lon.=124deg
	BGS	22:19	22:19:59	Peak...c/s=202	Qual=01				H. Ang=48deg
	FCS	22:19	22:21	CaPeak.c/s=157	Qual=1	Tot Cts=8170			MaxkeV=57
	UVSP	22:08	22:25	Peak3...c/s=392		FePeak=22:21			FePeak.c/s=53 #Peaks=1 dt= 6.5s XEN=28307
				Wavelength=1402A	Code=00	Exp #=13230			Rast=120" x120" Step=15" Cad=65.5s 1.024s/pixel
				Frequency(MHz)/Flux(sfu):					Rast=60" x60" Step=4" Pitch=+193", Yaw=+712"
Event # = 1316									
80/10/10, 00:35	Start	DOY=284	End times	SMM Pointing:	S08E51				Pitch=+198", Yaw=+742", Roll=0deg
	Optical								H. Ang=53deg
	GOES	00:21	00:35	Ha...Class=SF	N12W00				
	HXRBS	00:22:30	00:25:50	Importance=C4	Qual=02	AR2724			Carr. Lon.=168deg
	BGS	00:19	00:27	Peak...c/s=70	Qual=01				H. Ang=6deg
	UVSP	01:09	00:27	CaPeak.c/s=115	Qual=2	FePeak=00:27			MaxkeV=57
				Wavelength=1399A		Exp #=13234			FePeak.c/s=18 #Peaks=1 dt= 1.1s XEN=28400
									Rast=4" x4" Step=0" Pitch=+194", Yaw=+725"

Event # = 1317	DOY=284	SMM Pointing:	S08E50	Pitch=+199", Yaw=+731", Roll=0deg	H. Ang=52deg
80/10/10,01:26	Start	Ha...Class=SB	N15E30	Mac.=EKI	Carr. Lon.=138deg
Optical	End times	Importance=C3	Qual=01		
GOES	01:26	Peak...c/s=156	Qual=01	MaxkeV=57	Pitch=+196", Yaw=+762"
HXRBS	01:26:00	Wavelength=1402A	Code=00	Rast=28"x28"	
UVSP	01:19	II/1 III/1 V/2			
Radio	Type/Intensity:				
Frequency(MHz)/Flux(sfu):	2695/26 4995/44 8800/25				
Event # = 1318	DOY=284	SMM Pointing:	S08E50	Pitch=+199", Yaw=+731", Roll=0deg	H. Ang=52deg
80/10/10,01:33	Start	Ha...Class=SN	S12E47	Mac.=DAI	Carr. Lon.=121deg
Optical	End times	Importance=C1	Qual=01		
GOES	01:33	Peak...c/s=77	Qual=01	MaxkeV=57	Pitch=+196", Yaw=+762"
HXRBS	01:33:15	Wavelength=1402A	Code=00	Rast=28"x28"	
UVSP	01:19				
Event # = 1319	DOY=284	SMM Pointing:	S08E49	Pitch=+202", Yaw=+714", Roll=0deg	H. Ang=50deg
80/10/10,03:20	Start	Ha...Class=SN	N14E21	Mac.=EKI	Carr. Lon.=146deg
Optical	End times	Importance=C3	Qual=01		
GOES	03:20	Peak...c/s=91	Qual=01	MaxkeV=57	XEN=28401
HXRBS	03:30:40	CaPeak.c/s=42	Qual=1	Rast=0"x0"	Cad=30.7s 30.72s/pixel
BCS	03:34	Peak3..c/s=160			Pitch=+241", Yaw=+672"
FCS	03:39	Wavelength=1402A	Code=00		
UVSP	02:57				
Event # = 20834	DOY=284	SMM Pointing:	S08E48	Pitch=+203", Yaw=+706", Roll=0deg	H. Ang=50deg
80/10/10,04:23	Start	CaPeak.c/s=20	Qual=00		
GOES	04:23	Wavelength=1371A	Qual=5	FePeak.c/s=6	XEN=28402
BCS	04:23			Rast=180"x180"	Pitch=+173", Yaw=+663"
UVSP	04:22				
Event # = 20835	DOY=284	SMM Pointing:	S08E48	Pitch=+203", Yaw=+706", Roll=0deg	H. Ang=50deg
80/10/10,05:13	Start	Importance=C2	Qual=01		
GOES	05:11	CaPeak.c/s=30	Qual=1	FePeak.c/s=12	XEN=28403
BCS	05:12	Peak3..c/s=17		Rast=180"x180"	Cad=147s 1.024s/pixel
FCS	05:12	Wavelength=1353A	Code=00		Pitch=+173", Yaw=+678"
UVSP	04:24	II/1			
Radio	Type/Intensity:				
Event # = 1320	DOY=284	SMM Pointing:	S08E48	Pitch=+202", Yaw=+703", Roll=0deg	H. Ang=49deg
80/10/10,06:38	Start	Ha...Class=1B	S08E47	Mac.=EAI	Carr. Lon.=118deg
Optical	End times	Importance=C5	Qual=01		
GOES	06:28	Peak...c/s=76	Qual=01	MaxkeV=57	XEN=28470
HXRBS	06:28:30	CaPeak.c/s=334	Qual=1	Rast=180"x180"	Cad=147s 1.024s/pixel
BCS	06:20	Wavelength=1353A	Code=00		Pitch=+174", Yaw=+653"
FCS	06:00				
UVSP	06:00				

Event # = 1321	DOY=284	SMM Pointing:	S08E48	Pitch=+202", Yaw=+703", Roll=0deg	H. Ang=49deg
80/10/10, 06:50	Peak	End times			
GOES	06:49:00	06:50:30	06:52:00	MaxkeV=57	
HXRBS	06:00			Rast=180"x180"	Pitch=+174", Yaw=+653"
UVSP				Exp # = 13249	
Event # = 20837	DOY=284	SMM Pointing:	S08E46	Pitch=+204", Yaw=+689", Roll=0deg	H. Ang=48deg
80/10/10, 07:58	Peak	End times			
GOES	07:50	07:58	08:08	FePeak.c/s=6	#Peaks=1
BCS	07:58	07:58	07:58	Rast=180"x180"	Step=10"
UVSP	07:35				Pitch=+150"
					XEN=28406
BCS	07:56	07:56	07:56	FePeak.c/s=5	#Peaks=1
					XEN=28405
BCS	08:01	08:01	08:01	FePeak.c/s=5	#Peaks=1
					XEN=28407
BCS	08:03	08:03	08:03	FePeak.c/s=3	#Peaks=1
					XEN=28408
Event # = 20842	DOY=284	SMM Pointing:	S08E46	Pitch=+204", Yaw=+689", Roll=0deg	H. Ang=48deg
80/10/10, 08:14	Peak	End times			
GOES	08:10	08:14	08:36	FePeak.c/s=3	#Peaks=1
BCS	08:12	08:14	08:16	Rast=180"x180"	Step=10"
UVSP	07:35				Pitch=+150"
					XEN=28481
BCS	08:20	08:20	08:20	FePeak.c/s=9	#Peaks=1
					XEN=28413
BCS	08:17	08:17	08:17	FePeak.c/s=7	#Peaks=1
					XEN=28412
BCS	08:23	08:23	08:23	FePeak.c/s=8	#Peaks=1
					XEN=28414
BCS	08:28	08:28	08:29	FePeak.c/s=5	#Peaks=1
					XEN=28415
BCS	08:32	08:32	08:32	FePeak.c/s=6	#Peaks=1
					XEN=28417
Event # = 1322	DOY=284	SMM Pointing:	S08E44	Pitch=+207", Yaw=+665", Roll=0deg	H. Ang=46deg
80/10/10, 10:56	Peak	End times			
Optical				Mac.=EAI	Carr. Lon.=122deg
GOES	10:47	10:56	11:09	MaxkeV=131	
HXRBS	10:49:05	10:50:45	11:02:55	FePeak.c/s=76	#Peaks=1
BCS	10:50	10:54	11:19	Rast=120"x120"	Step=15"
FCS	10:54	10:54	10:54		dt= 0.5s
UVSP	10:48				XEN=28432
Rad10	Frequency (MHz) / Flux(sfu)	2695/8	4995/22		1.024s/pixel
					Pitch=+136", Yaw=+594"

Event # = 1326 80/10/11, 04:56 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
GOES HXRBS BCS FCS UVSP	04:52:55 04:56 04:55 04:29	04:55:25 04:59	Peak...c/s=68 CaPeak.c/s=48 Peak3..c/s=27 Wavelength=1401A	Qual=06 Qual=01 Qual=1	dt= 1.0s #Peaks=1 Step=15" Cad= 147s Rast=180"x180" Pitch=+246", Yaw=+408"	XEN=28561 1.024s/pixel
Event # = 1327 80/10/11, 05:10 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
Optical GOES HXRBS HXIS UVSP	05:05 05:10 05:06:55 05:11 04:29	05:16 05:09:05	Ha...Class=SB Importance=C5 Peak...c/s=78 Peak...c/s=120 Wavelength=1401A	Qual=03 Qual=01	Carr. Lon.=122deg	H. Ang=35deg
Event # = 20854 80/10/11, 05:48 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
GOES BCS FCS UVSP	05:44 05:54 05:55 05:54	06:00 06:00	Importance=C5 CaPeak.c/s=46 Peak3..c/s=49 Wavelength=1546A	Qual=05 Qual=5	#Peaks=1 Step=15" Cad= 147s Rast=180"x180" Pitch=+247", Yaw=+397"	XEN=28598 1.024s/pixel
Event # = 20855 80/10/11, 06:04 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
GOES BCS FCS UVSP	06:02 06:02 06:02 06:04	06:09 06:08	Importance=C4 CaPeak.c/s=34 Peak3..c/s=52 Wavelength=1548A	Qual=01 Qual=1	#Peaks=1 Step=0" Cad=30.7s Rast=240"x240" Pitch=+157", Yaw=+447"	XEN=28599 30.72s/pixel
Event # = 1328 80/10/11, 06:10 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
GOES HXRBS BCS FCS HXIS UVSP Radio	06:08 06:10:00 06:10 06:12 06:10 06:04	06:11 06:11:20 06:20	Importance=C3 Peak...c/s=298 CaPeak.c/s=62 Peak3..c/s=197 Peak...c/s=80 Wavelength=1548A	Qual=01 Qual=01 Qual=1	MaxkeV=131 FePeak.c/s=10 Rast=180"x180" Pitch=+157", Yaw=+447"	XEN=28501 1.024s/pixel
Event # = 20421 80/10/11, 06:27 Start	DOY=285 Peak	End times	SMM Pointing:	S08E34	Pitch=+219", Yaw=+538", Roll=0deg	H. Ang=37deg
GOES BCS FCS UVSP	06:24 06:21 06:22 06:18	06:35 06:40	Importance=C3 CaPeak.c/s=50 Peak3..c/s=28 Wavelength=1548A	Qual=01 Qual=1	#Peaks=2 Step=0" Cad=30.7s Rast=30"x30" Pitch=+257", Yaw=+492"	XEN=28578 30.72s/pixel

Event # = 1330	DOY=285	SMM Pointing:	S08E33	Pitch=+220", Yaw=+516", Roll=0deg	H. Ang=36deg
80/10/11,08:20	Peak	Ha...Class=S8	S13E29	Mac.=DAC	Carr. Lon.=122deg
Optical		Importance=C7	Qual=01	MaxkeV=57	#Peaks=2
GOES 08:13	08:20	CaPeak.c/s=116	Qual=1	Rast=30"x30"	Step=3"
HXRBS 08:19:00	08:19:45	Peak...c/s=177	Code=00	Event # = 1329	
BCS 08:12	08:19	Wavelength=1548A	2695/34 4995/67 8800/20	Associated	
HXIS 08:18	08:29	CaPeak.c/s=188	Qual=01	Event # = 1329	
UVSP 07:53		Peak...c/s=177			
Radio		Frequency(MHz)/Flux(sfu)			
HXRBS 08:14:25	08:15:30	08:16:50			
BCS 08:12	08:16				
Event # = 20856	DOY=285	SMM Pointing:	S08E31	Pitch=+223", Yaw=+489", Roll=0deg	H. Ang=34deg
80/10/11,10:44	Peak	Importance=C2	Qual=01	FePeak.c/s=11	#Peaks=1
GOES 10:38	10:44	CaPeak.c/s=19	Qual=1	Rast=180"x180"	Step=10"
BCS 10:44	10:44	Wave length=1371A	Code=01	Exp #=13326	
UVSP 10:43					
Event # = 20858	DOY=285	SMM Pointing:	S08E31	Pitch=+223", Yaw=+489", Roll=0deg	H. Ang=34deg
80/10/11,11:02	Peak	Importance=C3	Qual=01	FePeak.c/s=9	#Peaks=1
GOES 10:50	11:02	CaPeak.c/s=27	Code=00	Rast=180"x180"	Step=10"
BCS 11:00	11:00	Wave length=1353A	Code=00	Exp #=13328	
UVSP 10:45		Associated		Event # = 20857	
BCS 10:58	10:58	CaPeak.c/s=19	Qual=1	FePeak=10:58	
BCS 11:05	11:05	Associated		Event # = 20859	
FCS 11:05	11:05	CaPeak.c/s=31	Qual=1	FePeak=11:05	
BCS 11:12	11:12	Peak3..c/s=55		Associated	
BCS 11:14	11:14	CaPeak.c/s=19	Qual=1	Event # = 20860	
BCS 11:14	11:14	CaPeak.c/s=21	Qual=1	FePeak=11:12	
BCS 11:14	11:14	CaPeak.c/s=21	Qual=1	Event # = 20861	
BCS 11:14	11:14	CaPeak.c/s=21	Qual=1	FePeak=11:14	
Event # = 20862	DOY=285	SMM Pointing:	S08E31	Pitch=+223", Yaw=+489", Roll=0deg	H. Ang=34deg
80/10/11,11:23	Peak	Importance=C3	Qual=03	FePeak.c/s=7	#Peaks=1
GOES 11:16	11:23	CaPeak.c/s=24	Code=00	Rast=180"x180"	Step=10"
BCS 11:17	11:18	Wave length=1353A	Code=00	Exp #=13328	
UVSP 10:45		Associated		Event # = 20863	
BCS 11:26	11:26	CaPeak.c/s=19	Qual=1	FePeak=11:26	
BCS 11:28	11:28	Associated		Event # = 20864	
BCS 11:32	11:32	CaPeak.c/s=19	Qual=1	FePeak=11:28	
BCS 11:32	11:32	CaPeak.c/s=19	Qual=1	Event # = 20865	
BCS 11:32	11:32	CaPeak.c/s=19	Qual=1	FePeak=11:32	
Event # = 20866	DOY=285	SMM Pointing:	S08E30	Pitch=+224", Yaw=+477", Roll=0deg	H. Ang=33deg
80/10/11,12:28	Peak	Importance=C1	Qual=01	FePeak.c/s=11	#Peaks=2
GOES 12:21	12:28	CaPeak.c/s=20	Code=00	Rast=180"x180"	Step=10"
BCS 12:28	12:28	Wave length=1353A	Code=00	Exp #=13332	
UVSP 12:20					

Event # = 20876
80/10/11, 15:34 Start DOY=285 Peak
Optical SMM Pointing: S08E29 Pitch=+222", Yaw=+462", Roll=0deg H. Ang=32deg
GOES 15:33 Ha...Class=SM S13E27 AR2726 Carr. Lon.=120deg H. Ang=33deg
BCS 15:34 Importance=C4 Qual=01 FePeak.c/s=12 #Peaks=1 XEN=28532
FCS 15:35 CaPeak.c/s=31 Peak3...c/s=168 WaveLength=1353A Code=00 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel
UVSP 15:31 FePeak=15:34 Exp #=13340 Event # = 20871 Pitch=+195", Yaw=+414"
BCS 15:37 15:37 Associated FePeak.c/s=4 #Peaks=1 XEN=28534
BCS 15:40 15:40 Associated FePeak.c/s=12 #Peaks=1 XEN=28535
BCS 15:42 15:42 Associated FePeak.c/s=21 #Peaks=1 XEN=28536
BCS 15:50 15:50 Associated FePeak.c/s=20 #Peaks=1 XEN=28537
BCS 15:52 15:52 Associated FePeak.c/s=19 #Peaks=1 XEN=28538

Event # = 20879
80/10/11, 16:15 Start DOY=285 Peak
Optical SMM Pointing: S08E29 Pitch=+222", Yaw=+462", Roll=0deg H. Ang=32deg
GOES 16:12 Importance=C2 Qual=01 FePeak=16:16 #Peaks=1 XEN=28539
BCS 16:16 CaPeak.c/s=19 WaveLength=1353A Code=00 Rast=180"x180" Step=10" Pitch=+195", Yaw=+414"
UVSP 15:31 Exp #=13340

Event # = 1333
80/10/11, 17:46 Start DOY=285 Peak
Optical SMM Pointing: S08E28 Pitch=+223", Yaw=+446", Roll=0deg H. Ang=31deg
GOES 17:38 Ha...Class=1B S08E31 AR2725 Carr. Lon.=115deg H. Ang=34deg
HXRBS 17:40:00 Importance=C7 Qual=03 Tot Cts=62995
BCS 17:40 17:41:40 CaPeak.c/s=1606 Qual=01 FePeak.c/s=69 dt= 0.5s XEN=28502
FCS 17:43 17:46 CaPeak.c/s=294 Qual=2 FePeak=17:43 Rast=120"x120" Cad=65.5s 1.024s/pixel
HXIS 17:45 Peak3...c/s=349
UVSP 17:44 Peak...c/s=452
Radio Frequency(MHz)/Flux(sfu): 8800/130 Rast=180"x180" Step=10" Pitch=+191", Yaw=+411"

Event # = 20880
80/10/11, 18:37 Start DOY=285 Peak
Optical SMM Pointing: S08E28 Pitch=+223", Yaw=+446", Roll=0deg H. Ang=31deg
GOES 18:33 Importance=C4 Qual=05 FePeak.c/s=9 #Peaks=1 XEN=28540
BCS 18:41 18:51 CaPeak.c/s=21 WaveLength=1546A Code=02 Rast=3"x3" Step=0" Pitch=+192", Yaw=+397"
UVSP 18:42 18:41 Associated FePeak.c/s=2 #Peaks=1 XEN=28541
BCS 18:43 18:43 CaPeak.c/s=22 Qual=1 FePeak=18:43 Exp #= 20881

Event # = 20882
80/10/11, 18:46 Start DOY=285 Peak
Optical SMM Pointing: S08E27 Pitch=+227", Yaw=+435", Roll=0deg H. Ang=31deg
GOES 18:46 18:47 CaPeak.c/s=21 Qual=00 FePeak=18:46 #Peaks=1 XEN=28542
BCS 18:46 18:47 CaPeak.c/s=21 Qual=1 FePeak=18:46 #Peaks=1 XEN=28542
UVSP 18:42 18:42 WaveLength=1546A Exp #=13346 Exp #=13346 Pitch=+192", Yaw=+397"

Event # = 20883 80/10/11,18:49 Start	DOY=285 Peak	End times	SMM Pointing: S08E27 Qual=00 Qual=1	Pitch=+227",Yaw=+435",Roll=0deg	H.Ang=31deg
GOES BCS UVSP	18:49 18:49 18:42	18:49	CaPeak.c/s=20 Wavelength=1546A	FePeak.c/s=9 Rast=3"x3" Step=0"	#Peaks=1 XEN=28544 Pitch=+192",Yaw=+397"
Event # = 20884 80/10/11,18:51 Start	DOY=285 Peak	End times	SMM Pointing: S08E27 Qual=00 Qual=1	Pitch=+227",Yaw=+435",Roll=0deg	H.Ang=31deg
GOES BCS UVSP	18:51 18:51 18:50	18:51	CaPeak.c/s=20 Wavelength=1548A	FePeak.c/s=7 Rast=240"x240" Step=3"	#Peaks=1 XEN=28545 Pitch=+164",Yaw=+362"
Event # = 20885 80/10/11,18:55 Start	DOY=285 Peak	End times	SMM Pointing: S08E27 Qual=01 Qual=1	Pitch=+227",Yaw=+435",Roll=0deg	H.Ang=31deg
GOES BCS UVSP	18:54 18:55 18:50	19:11 18:55	Importance=C3 CaPeak.c/s=22 Wavelength=1548A Code=00 Associated Event # = 20886	FePeak.c/s=8 Rast=240"x240" Step=3"	#Peaks=1 XEN=28546 Pitch=+164",Yaw=+362"
BCS	18:58	18:58	CaPeak.c/s=19	FePeak.c/s=3	#Peaks=1 XEN=28547
Event # = 1334 80/10/11,20:21 Start	DOY=285 Peak	End times	SMM Pointing: S08E26	Pitch=+227",Yaw=+414",Roll=0deg	H.Ang=29deg
Optical GOES HXRBS UVSP Radio	20:13 20:15:05 20:17	20:29 20:20:10	Ha...Class=SB Importance=C7 Peak...c/s=102 Wavelength=1546A Code=00 1415/87 4995/11 8800/52	Mac.=EAI Carr.Lon.=165deg MaxkeV=57 Rast=3"x3" Step=0"	H.Ang=21deg Pitch=+205",Yaw=+361"
Event # = 20887 80/10/11,20:50 Start	DOY=285 Peak	End times	SMM Pointing: S08E26 Qual=01 Qual=1	Pitch=+227",Yaw=+414",Roll=0deg	H.Ang=29deg
GOES BCS UVSP	20:47 20:50 20:41	21:00 20:50	Importance=C3 CaPeak.c/s=21 Wavelength=1548A Code=00	FePeak.c/s=5 Rast=30"x30" Step=3"	#Peaks=1 XEN=28549 Pitch=+270",Yaw=+361"
Event # = 1335 80/10/11,23:48 Start	DOY=285 Peak	End times	SMM Pointing: S11E24 N10W23 Qual=01 Qual=01	Pitch=+275",Yaw=+386",Roll=0deg	H.Ang=29deg
Optical GOES HXRBS UVSP Radio	23:42 23:43:50 23:39	23:56 23:49:00	Ha...Class=SB Importance=C8 Peak...c/s=109 Wavelength=1392A Code=00 606/36	Mac.=EAI Carr.Lon.=165deg MaxkeV=57 Rast=59"x59" Step=4"	H.Ang=23deg Pitch=+290",Yaw=+320"
Event # = 20423 80/10/11,23:58 Start	DOY=285 Peak	End times	SMM Pointing: S11E24 Qual=01	Pitch=+275",Yaw=+386",Roll=0deg	H.Ang=29deg
GOES BCS UVSP	23:56 23:55 23:39	00:00 00:05	Importance=C1 CaPeak.c/s=20 Wavelength=1392A Code=00	Rast=59"x59" Step=4"	Pitch=+290",Yaw=+320"

Event # = 1336
 80/10/12,00:13 DOY=286
 Start Peak
 End times
 SMM Pointing: S11E24
 H. Ang=29deg
 GOES 00:05 00:13 00:26 Importance=C4
 HXRBS 00:06:10 00:07:10 00:08:40 Peak...c/s=72
 BCS 00:01 00:01 02:03 CaPeak.c/s=21
 HXIS 00:12 00:12 02:03 Peak...c/s=51
 UVSP 23:39 Wave length=1392A Code=00 Exp #=13357
 Radio Frequency(MHz)/Flux(sfu): 4995/16
 Pitch=+275",Yaw=+386",Roll=0deg
 MaxkeV=57
 FePeak.c/s=10 #Peaks=2 XEN=28638
 Rast=59"x59" Step=4" Pitch=+290",Yaw=+320"

Event # = 1338
 80/10/12,02:00 DOY=286
 Start Peak
 End times
 SMM Pointing: S11E23
 H. Ang=29deg
 Optical
 Ha...Class=SB S13E18 AR2725 H. Ang=26deg
 Optical Ha...Class=SN N10W19 AR2724 H. Ang=19deg
 GOES 01:54 02:00 02:05 Importance=C6
 HXRBS 01:58:40 01:59:25 02:00:30 Peak...c/s=193
 BCS 01:56 01:59 02:04 CaPeak.c/s=150
 FCS 01:59 Peak3...c/s=41
 HXIS 01:14 Peak...c/s=204
 UVSP 01:14 Wave length=1392A Code=00 Exp #=13360
 HXRBS 01:56:25 01:57:10 01:57:50 Associated Event # = 1337
 Pitch=+276",Yaw=+372",Roll=0deg
 Mac.=EKI Carr. Lon.=123deg
 MaxkeV=57 Carr. Lon.=160deg
 Rast=59"x59" Step=4" Pitch=+291",Yaw=+304"
 MaxkeV=57
 Tot Cts=1650

Event # = 20424
 80/10/12,03:03 DOY=286
 Start Peak
 End times
 SMM Pointing: S11E23
 H. Ang=29deg
 Optical
 Ha...Class=SN S13E18 AR2725 H. Ang=26deg
 GOES 02:58 03:03 03:08 Importance=C2
 BCS 03:00 03:03 03:06 CaPeak.c/s=35
 HXIS 03:01 Peak...c/s=43
 UVSP 02:51 Wave length=1392A Code=00 Exp #=13363
 Pitch=+274",Yaw=+370",Roll=0deg
 Mac.=EKI Carr. Lon.=122deg
 FePeak.c/s=8 #Peaks=1 XEN=28662
 Rast=59"x59" Step=4" Pitch=+304",Yaw=+317"

Event # = 1339
 80/10/12,04:30 DOY=286
 Start Peak
 End times
 SMM Pointing: S11E22
 H. Ang=28deg
 Optical
 Ha...Class=SN N09W27 AR2724 H. Ang=27deg
 Optical Ha...Class=SB S09W59 AR2713 H. Ang=61deg
 Optical Ha...Class=SB S24W24 AR2722 H. Ang=38deg
 GOES 04:29 04:30 04:39 Importance=C2
 HXRBS 04:29:25 04:30:10 04:30:50 Peak...c/s=78
 UVSP 04:27 Wave length=1401A Code=00 Exp #=13367
 Pitch=+274",Yaw=+352",Roll=0deg
 Mac.=EKI Carr. Lon.=167deg
 MaxkeV=57 Carr. Lon.=199deg
 Rast=28"x28" Step=4" Pitch=+304",Yaw=+286"

Event # = 1340
 80/10/12,06:01 DOY=286
 Start Peak
 End times
 SMM Pointing: S11E21
 H. Ang=27deg
 GOES 05:57 06:01 06:03 Importance=C2
 HXRBS 05:59:45 06:01:00 06:02:20 Peak...c/s=92
 UVSP 05:59 Wave length=1401A Code=00 Exp #=13369
 Pitch=+276",Yaw=+332",Roll=0deg
 MaxkeV=57
 Rast=240"x240" Step=4" Pitch=+215",Yaw=+267"

Event # = 1341
80/10/12,07:28 Start
DOY=286 Peak
SMM Pointing: S11E20
H.Ang=26deg
Pitch=+278", Yaw=+316", Roll=0deg
H.Ang=14deg
Carr. Lon.=152deg

Optical
Ha...Class=SN
Importance=C7
Qual=05
N10W14 AR2724
GOES 07:18 07:28 07:34 07:30:45
Peak...c/s=156
HXRBS 07:26:45 07:28:00 07:30:45
FePeak.c/s=31
dt= 0.5s
XEN=28648
BCS 07:26 07:28 07:35
CaPeak.c/s=198
Rast=0"x0"
Cad=30.7s
30.72s/pixel
FCS 07:30 07:30
Peak3...c/s=380
HXIS 07:27 07:30
UVSP 07:27 07:30
Peak...c/s=181
Wavelength=1399A Code=00 Exp #=13371
Rast=4"x4"
Step=0"
Pitch=+271", Yaw=+315"

Event # = 1342
80/10/12,08:10 Start
DOY=286 Peak
SMM Pointing: S11E20
H.Ang=26deg
Pitch=+278", Yaw=+316", Roll=0deg

GOES 08:05 08:10 08:12
End times
Importance=C3
Qual=01
HXRBS 08:06:15 08:07:00 08:07:50
Peak...c/s=75
Qual=01
UVSP 07:37 08:07:50
Wavelength=1401A Code=00 Exp #=13373
Rast=28"x28"
Step=4"
Pitch=+309", Yaw=+246"

Event # = 1343
80/10/12,09:31 Start
DOY=286 Peak
SMM Pointing: S11E19
H.Ang=25deg
Pitch=+279", Yaw=+303", Roll=0deg

Optical
Ha...Class=SN
Importance=C4
Qual=01
S13E13 AR2725
GOES 09:28 09:31 09:34 09:32:00
Peak...c/s=75
HXRBS 09:27:20 09:31:20 09:32:00
FePeak.c/s=37
dt= 1.0s
XEN=28663
BCS 09:28 09:33 09:34
CaPeak.c/s=37
Rast=240"x240"
Cad= 262s
1.024s/pixel
FCS 09:31 09:31
Peak3...c/s=124
HXIS 09:13 09:30
UVSP 09:13 09:30
Peak...c/s=56
Wavelength=1401A Code=00 Exp #=13376
Radio Frequency(MHz)/Flux(sfu): 245/49 410/55 606/55
Rast=28"x28"
Step=4"
Pitch=+310", Yaw=+237"

Event # = 20888
80/10/12,09:36 Start
DOY=286 Peak
SMM Pointing: S11E19
H.Ang=25deg
Pitch=+279", Yaw=+303", Roll=0deg

GOES 09:36 09:37 09:37
End times
CaPeak.c/s=22
Qual=00
UVSP 09:13 09:36
FePeak=09:36
Exp #=13376
Rast=28"x28"
Step=4"
Pitch=+310", Yaw=+237"

Event # = 20889
80/10/12,09:45 Start
DOY=286 Peak
SMM Pointing: S11E19
H.Ang=25deg
Pitch=+279", Yaw=+303", Roll=0deg

GOES 09:38 09:45 10:10
End times
Importance=C5
Qual=03
HXRBS 09:43 09:45 09:53
CaPeak.c/s=24
Rast=28"x28"
Step=4"
Pitch=+310", Yaw=+237"
UVSP 09:13 09:45
Wavelength=1401A Code=00 Exp #=13376
FePeak=09:44
Exp #=13376
Radio Frequency(MHz)/Flux(sfu): 245/49
Associated Event # = 20890
BCS 09:56 09:57 09:57
CaPeak.c/s=24
Qual=1
FePeak=09:57
XEN=28664
UVSP 09:13 09:40
Associated Event # = 20891
BCS 09:40 09:40 09:40
CaPeak.c/s=22
Qual=1
FePeak=09:40
XEN=28668
Wavelength=1401A Code=00 Exp #=13376
FePeak=10:00
Exp #=13376
Rast=28"x28"
Step=4"
Pitch=+310", Yaw=+237"

Event # = 20892
80/10/12,10:00 Start
DOY=286 Peak
SMM Pointing: S11E19
H.Ang=25deg
Pitch=+279", Yaw=+303", Roll=0deg

GOES 10:00 10:00 10:00
End times
CaPeak.c/s=19
Qual=06
HXRBS 09:13 10:00 10:00
FePeak=10:00
Exp #=13376
UVSP 09:13 10:00
Wavelength=1401A Code=00 Exp #=13376
Rast=28"x28"
Step=4"
Pitch=+310", Yaw=+237"

Event # = 20893									
80/10/12, 10:02	DOY=286	SMM Pointing:		S11E19	Pitch=+279", Yaw=+303", Roll=0deg		H. Ang=25deg		
Start	Peak	End times	CaPeak.c/s=19	Qual=06	FePeak=10:02	#Peaks=1	XEN=28620		
GOES 10:02	10:02	10:02	WaveLength=1399A	Qual=1	Exp #=13377	Step=0"	Pitch=+311", Yaw=+224"		
BCS 10:40									
UVSP 10:40									
Event # = 1344									
80/10/12, 10:52	DOY=286	SMM Pointing:		S11E18	Pitch=+279", Yaw=+288", Roll=0deg		H. Ang=25deg		
Start	Peak	End times	Importance=C4	Qual=01	MaxkeV=57	#Peaks=1	XEN=28622		
GOES 10:45	10:52	11:02	Peak...c/s=70	Qual=01	FePeak.c/s=6	Step=4"	Pitch=+299", Yaw=+212"		
HXRBS 10:47:30	10:48:10	10:49:30	CaPeak.c/s=21	Qual=1	Exp #=13379				
BCS 10:51	10:51	10:51	WaveLength=1401A	Code=00	Event # = 20894				
UVSP 10:50			Associated		FePeak=10:58	#Peaks=1	XEN=28665		
BCS 10:58	10:58	10:59	CaPeak.c/s=20	Qual=1	Event # = 20895				
BCS 10:53	10:53	10:53	CaPeak.c/s=19	Qual=1	FePeak=10:53	#Peaks=1	XEN=28623		
BCS 10:49	10:49	10:49	CaPeak.c/s=20	Associated	Event # = 20896				
UVSP 10:45	10:45		WaveLength=1401A	Qual=1	FePeak=10:49	#Peaks=1	XEN=28621		
					Exp #=13378	Step=4"	Pitch=+217", Yaw=+223"		
Event # = 20897									
80/10/12, 11:02	DOY=286	SMM Pointing:		S11E18	Pitch=+279", Yaw=+288", Roll=0deg		H. Ang=25deg		
Start	Peak	End times	Importance=C3	Qual=01	FePeak.c/s=6	#Peaks=1	XEN=28666		
GOES 11:01	11:02	11:10	CaPeak.c/s=25	Qual=1	Exp #=13379	Step=4"	Pitch=+299", Yaw=+212"		
BCS 11:01	11:02	11:02	WaveLength=1401A	Code=00	Event # = 20898				
UVSP 10:50			Associated		FePeak=11:05	#Peaks=1	XEN=28628		
BCS 11:05	11:05	11:05	CaPeak.c/s=19	Qual=1					
Event # = 20899									
80/10/12, 11:14	DOY=286	SMM Pointing:		S11E18	Pitch=+279", Yaw=+288", Roll=0deg		H. Ang=25deg		
Start	Peak	End times	Importance=C3	Qual=01	FePeak.c/s=8	#Peaks=1	XEN=28667		
GOES 11:11	11:14	11:19	CaPeak.c/s=21	Qual=1	Exp #=13379	Step=4"	Pitch=+299", Yaw=+212"		
BCS 11:14	11:15	11:15	WaveLength=1401A	Code=00	Event # = 20900				
UVSP 10:50			Associated		FePeak=11:35	#Peaks=1	XEN=28631		
BCS 11:05	11:05	11:05	CaPeak.c/s=20	Qual=1					
Event # = 20900									
80/10/12, 11:38	DOY=286	SMM Pointing:		S11E18	Pitch=+279", Yaw=+288", Roll=0deg		H. Ang=25deg		
Start	Peak	End times	Importance=C2	Qual=03	FePeak.c/s=16	#Peaks=1	XEN=28632		
GOES 11:33	11:38	11:49	CaPeak.c/s=20	Qual=1	Exp #=13379	Step=4"	Pitch=+299", Yaw=+212"		
BCS 11:38	11:38	11:38	WaveLength=1401A	Code=00	Event # = 20903				
UVSP 10:50			Associated		FePeak=11:35	#Peaks=1	XEN=28631		
BCS 11:35	11:35	11:35	CaPeak.c/s=20	Qual=1					
Event # = 1345									
80/10/12, 12:19	DOY=286	SMM Pointing:		S11E18	Pitch=+277", Yaw=+285", Roll=0deg		H. Ang=24deg		
Start	Peak	End times	Importance=C1	Qual=01	MaxkeV=57	#Peaks=1	XEN=28632		
GOES 12:18	12:19	12:21	Peak...c/s=114	Qual=01	Exp #=13381	Step=0"	Pitch=+299", Yaw=+200"		
HXRBS 12:18:50	12:19:30	12:20:25	WaveLength=1546A	Code=00					
UVSP 12:15									

Event # = 20901
 80/10/12,13:57 DOY=286 Pitch=+277", Yaw=+268", Roll=0deg H.Ang=24deg
 Start Peak
 Optical S11E16 Carr. Lon.=123deg H.Ang=23deg
 GOES 13:50 13:57 14:00 14:00 14:00 FePeak.c/s=7 #Peaks=1 XEN=28634
 BCS 13:58 13:58 13:58 13:58 13:58 CaPeak.c/s=22 Qual=1 FePeak.c/s=17 #Peaks=1 Step=0" Pitch=+317", Yaw=+227"
 UVSP 13:51 13:58 13:58 13:58 13:58 Wavelength=1548A Code=00 Exp #=13384 Event # = 20902 Rast=3"x3" FePeak.c/s=10 #Peaks=1 XEN=28633
 BCS 13:56 13:56 13:56 13:56 13:56 CaPeak.c/s=21 Qual=1 FePeak.c/s=14 #Peaks=1 Rast=240"x240" Pitch=+217", Yaw=+195"
 UVSP 13:59 13:56 13:56 13:56 13:56 Wavelength=1548A Code=00 Exp #=13385 Event # = 20904 FePeak.c/s=14 #Peaks=1 Rast=240"x240" Pitch=+217", Yaw=+195"

Event # = 20905
 80/10/12,14:23 DOY=286 Pitch=+277", Yaw=+268", Roll=0deg H.Ang=24deg
 Start Peak
 Optical S11E16 Carr. Lon.=121deg H.Ang=22deg
 GOES 14:00 14:23 14:46 14:46 14:46 FePeak.c/s=17 #Peaks=1 XEN=28636
 BCS 14:10 14:10 14:10 14:10 14:10 CaPeak.c/s=21 Qual=1 Rast=30"x30" Pitch=+302", Yaw=+180"
 UVSP 14:15 14:10 14:10 14:10 14:10 Wavelength=1548A Code=00 Exp #=13386 Event # = 20904 FePeak.c/s=14 #Peaks=1 Rast=240"x240" Pitch=+217", Yaw=+195"
 BCS 14:08 14:08 14:08 14:08 14:08 CaPeak.c/s=19 Qual=1 FePeak.c/s=14 #Peaks=1 Rast=240"x240" Pitch=+217", Yaw=+195"
 UVSP 13:59 14:08 14:08 14:08 14:08 Wavelength=1548A Code=00 Exp #=13385 Event # = 20904 FePeak.c/s=14 #Peaks=1 Rast=240"x240" Pitch=+217", Yaw=+195"

Event # = 1346
 80/10/12,15:57 DOY=286 Pitch=+281", Yaw=+251", Roll=0deg H.Ang=23deg
 Start Peak
 Optical S11E15 Carr. Lon.=121deg H.Ang=22deg
 GOES 15:52 15:57 16:04 16:04 16:04 Ha...Class=SN S12E12 AR2725 dt= 0.5s XEN=28653
 HXRBS 15:52:50 15:53:55 15:55:20 15:55:20 Peak...c/s=697 Qual=01 Tot Cts=13050 #Peaks=2 dt= 0.5s XEN=28653
 BCS 15:53 15:55 16:07 16:07 CaPeak.c/s=131 Qual=01 FePeak=15:55 Cad=65.5s 1.024s/pixel
 FCS 16:03 16:03 16:03 16:03 Peak3...c/s=459
 HXIS 15:55 15:55 Peak...c/s=120
 UVSP 15:37 15:55 Wavelength=1401A Code=00 Exp #=13390 Rast=60"x60" Pitch=+300", Yaw=+178"
 Radio Frequency(MHz)/Flux(sfu): 4995/41.8800/100
 BCS 15:44 15:44 15:44 15:44 15:44 CaPeak.c/s=19 Qual=1 Associated Event # = 20906 FePeak=15:44 #Peaks=1 XEN=28652

Event # = 1347
 80/10/12,21:48 DOY=286 Pitch=+282", Yaw=+204", Roll=0deg H.Ang=21deg
 Start Peak
 GOES 21:46 21:48 21:53 21:53 21:53 SMM Pointing: S11E12 H.Ang=21deg
 HXRBS 21:48:10 21:48:55 21:49:55 21:49:55 Importance=C3 Qual=04
 UVSP 21:50 21:48:10 21:48:55 21:49:55 Peak...c/s=74 Qual=01
 Wavelength=1399A Code=02 Exp #=13400
 MaxkeV=57 Step=0" Pitch=+291", Yaw=+171"
 Rast=4"x4" MaxkeV=57 Step=0" Pitch=+291", Yaw=+171"
 Rast=4"x4" MaxkeV=57 Step=0" Pitch=+291", Yaw=+171"

80/10/13 DOY=287
 Event # = 1348
 80/10/13,03:12 DOY=287 Pitch=+297", Yaw=+133", Roll=0deg H.Ang=20deg
 Start Peak
 Optical S12E08 Carr. Lon.=166deg H.Ang=39deg
 GOES 03:09 03:12 03:16 03:16 03:16 Ha...Class=SF N07N39 H.Ang=39deg
 HXRBS 03:11:25 03:12:10 03:13:05 03:13:05 Importance=C3 Qual=01
 UVSP 02:47 03:12:10 03:13:05 03:13:05 Peak...c/s=75 Qual=01
 Wavelength=1401A Code=00 Exp #=13411
 Radio Sweeps Type/Intensity: I11/1
 MaxkeV=57 Step=4" Pitch=+302", Yaw=+65"
 Rast=60"x60" MaxkeV=57 Step=4" Pitch=+302", Yaw=+65"

Event # = 1349									
80/10/13,03:24	Start	DOY=287	End times	SMM Pointing:	S12E08			Pitch=+297", Yaw=+133", Roll=0deg	H. Ang=20deg
Optical		Peak		Ha...Class=SF		AR2724		Mac.=FKI	
GOES	03:20	03:24	03:30	Importance=C4	N07W39			Carr. Lon.=166deg	H. Ang=39deg
HXRBS	03:23:20	03:24:10	03:24:35	Peak...c/s=167	Qual=01			MaxkeV=57	
UVSP	02:47			Wave length=1401A	Code=00	Tot Cts=1425		Step=4"	Pitch=+302", Yaw=+65"
						Exp #=13411			
Event # = 1350									
80/10/13,04:17	Start	DOY=287	End times	SMM Pointing:	S12E07			Pitch=+298", Yaw=+119", Roll=0deg	H. Ang=19deg
Optical		Peak		Ha...Class=2B		AR2725		Mac.=EAI	
GOES	04:10	04:17	04:33	Importance=M2	S13E03			Carr. Lon.=124deg	H. Ang=19deg
HXRBS	04:11:35	04:16:40	04:21:35	Peak...c/s=756	Qual=01			MaxkeV=131	
HXIS		04:17		Peak...c/s=853					
UVSP	04:14			Wave length=1397A	Code=00	Exp #=13412		Step=0"	Pitch=+302", Yaw=+52"
Event # = 1351									
80/10/13,06:20	Start	DOY=287	End times	SMM Pointing:	S12E06			Pitch=+299", Yaw=+104", Roll=0deg	H. Ang=19deg
Optical		Peak		Ha...Class=SB		AR2717		Mac.=EAI	
GOES	06:15	06:20	06:27	Importance=C4	N14W16			Carr. Lon.=141deg	H. Ang=18deg
HXRBS	06:16:40	06:17:45	06:20:05	Peak...c/s=729	Qual=01			MaxkeV=131	
UVSP	06:02			Wave length=1401A	Code=00	Tot Cts=22960		Rast=28"x28"	
Radio Sweeps		Type/Intensity:		V/3		Exp #=13417		Step=4"	Pitch=+242", Yaw=+105"
Radio		Frequency (MHz)/Flux(sfu):		245/150 410/56 606/100 1415/31 2695/59 4995/41 8800/23					
Event # = 1352									
80/10/13,07:53	Start	DOY=287	End times	SMM Pointing:	S12E05			Pitch=+296", Yaw=+89", Roll=0deg	H. Ang=19deg
Optical		Peak		Ha...Class=SB		AR2724		Mac.=FKI	
GOES	07:48	07:53	08:03	Importance=C7	N12W37			Carr. Lon.=162deg	H. Ang=37deg
HXRBS	07:42:55	07:45:35	07:48:15	Peak...c/s=76	Qual=01			MaxkeV=57	
UVSP	07:48			Wave length=1548A	Code=00	Tot Cts=960		Rast=30"x30"	
Radio		Frequency (MHz)/Flux(sfu):		2695/19 4995/21 8800/19		Exp #=13421		Step=3"	Pitch=+310", Yaw=+32"
HXRBS	07:49:30	07:51:35	07:54:40	Associated		Event # = 1353		MaxkeV=57	
				Peak...c/s=69	Qual=01	Tot Cts=630			
Event # = 1354									
80/10/13,08:33	Start	DOY=287	End times	SMM Pointing:	S12E05			Pitch=+296", Yaw=+89", Roll=0deg	H. Ang=19deg
Optical		Peak		Ha...Class=SB		AR2724		Mac.=FKI	
GOES	08:20	08:33	09:35	Importance=M1	N12W37			Carr. Lon.=161deg	H. Ang=37deg
HXRBS	08:21:10	08:21:55	08:24:20	Peak...c/s=76	Qual=02			MaxkeV=57	
UVSP	09:00			Wave length=1398A	Qual=01	Exp #=13423		Rast=3"x3"	
								Step=0"	Pitch=+310", Yaw=+21"
Event # = 1355									
80/10/13,09:46	Start	DOY=287	End times	SMM Pointing:	S12E05			Pitch=+299", Yaw=+74", Roll=0deg	H. Ang=19deg
Optical		Peak		Ha...Class=1B		AR2724		Mac.=FKI	
GOES	09:40	09:46	10:05	Importance=M2	N12W41			Carr. Lon.=165deg	H. Ang=41deg
HXRBS	09:40:50	09:43:51	09:53:51	Peak...c/s=1982	Qual=01			MaxkeV=131	
UVSP	09:18			Wave length=1401A	Code=00	Tot Cts=1.16E+5		Rast=60"x60"	
Radio		Frequency (MHz)/Flux(sfu):		2695/28 4995/38 8800/61		Exp #=13426		Step=3"	Pitch=+286", Yaw=+27"

Event # = 1356 80/10/13,11:11	DOY=287 Peak	SMM Pointing: S12E04	Pitch=+298", Yaw=+63", Roll=0deg	H. Ang=18deg
GOES 11:09	11:20	Importance=C3		
HXRBS 11:10:20	11:11:40	Peak...c/s=70	MaxkeV=57	
UVSP 10:53	11:13:00	Wave length=1401A	Rast=60" x60"	Pitch=+325", Yaw=+19"
		Code=00	Step=3"	
Exp #=13430				
Event # = 1357 80/10/13,13:57	DOY=287 Peak	SMM Pointing: S12E02	Pitch=+297", Yaw=+37", Roll=0deg	H. Ang=18deg
GOES 13:56	13:57	Importance=C2		
HXRBS 13:57:20	13:57:45	Peak...c/s=90	MaxkeV=57	
UVSP 13:53	13:58:20	Wave length=1401A	Rast=240" x240"	Pitch=+237", Yaw=-38"
		Code=00	Step=3"	
Exp #=13436				
Event # = 1358 80/10/13,15:48	DOY=287 Peak	SMM Pointing: S12E01	Pitch=+299", Yaw=+18", Roll=0deg	H. Ang=18deg
Optical			Mac.=EKI	
GOES 15:47	15:48	Importance=C2		
HXRBS 15:47:50	15:48:20	Peak...c/s=122	MaxkeV=57	
UVSP 15:40	15:49:15	Wave length=1401A	Rast=60" x60"	Pitch=+327", Yaw=-17"
		Code=00	Step=3"	
Tot Cts=1627				
Exp #=13442				
Event # = 1359 80/10/13,18:44	DOY=287 Peak	SMM Pointing: S12W01	Pitch=+300", Yaw=-13", Roll=0deg	H. Ang=18deg
GOES 18:43	18:44	Importance=C2		
HXRBS 18:42:55	18:44:15	Peak...c/s=59	MaxkeV=57	
UVSP 18:40	18:46:05	Wave length=1401A	Rast=240" x240"	Pitch=+237", Yaw=-82"
		Code=00	Step=3"	
Exp #=13448				
Event # = 1360 80/10/13,20:00	DOY=287 Peak	SMM Pointing: S12W01	Pitch=+300", Yaw=-13", Roll=0deg	H. Ang=18deg
Optical			Mac.=CSI	H. Ang=56deg
GOES 19:55	20:00	Ha...Class=1N		
HXRBS 20:09:25	20:10:05	Importance=C3	Carr. Lon.=62deg	
UVSP 20:12	20:11:30	Peak...c/s=74	MaxkeV=57	
		Wave length=1398A	Rast=3" x3"	Pitch=+292", Yaw=-133"
			Step=0"	
Exp #=13451				
Event # = 1361 80/10/13,20:13	DOY=287 Peak	SMM Pointing: S12W01	Pitch=+296", Yaw=-19", Roll=0deg	H. Ang=18deg
GOES 20:12:20	20:13:25	Peak...c/s=62		
HXRBS 20:13	20:13	Peak...c/s=92	MaxkeV=57	
UVSP 20:12	20:15:10	Wave length=1398A	Rast=3" x3"	Pitch=+292", Yaw=-133"
			Step=0"	
Exp #=13451				
Event # = 1362 80/10/13,20:19	DOY=287 Peak	SMM Pointing: S12W01	Pitch=+296", Yaw=-19", Roll=0deg	H. Ang=18deg
GOES 20:18:30	20:19:00	Peak...c/s=126		
HXRBS 20:17	20:19:35	Peak...c/s=126	MaxkeV=57	
UVSP 20:17	20:19:35	Wave length=1401A	Rast=240" x240"	Pitch=+237", Yaw=-114"
			Step=3"	
Tot Cts=1625				
Exp #=13452				

Event # = 1363		80/10/13, 20:36		DOY=287		SMM Pointing:		S12W01		Pitch=+296", Yaw=-19", Roll=0deg		H. Ang=18deg	
Optical		Start		Peak		Ha...Class=1N		N15W23		Mac.=EAI		Carr. Lon.=141deg	
GOES		20:29		20:36		Importance=C5		Qual=01		MaxkeV=131		H. Ang=24deg	
HXRBs		20:34:30		20:35:45		Peak...c/s=204		Qual=01		Rast=60"x60"		Step=3"	
UVSP		20:28		20:37:20		Wavelength=1401A		Code=00		Tot Cts=3740		Pitch=+241", Yaw=-30"	
Radio		Sweeps		Type/Intensity:		V/2				Exp #=13454			
Radio		Frequency (MHz)/Flux(sfu):		245/210		410/30		606/67					
Event # = 1364		80/10/13, 22:15		DOY=287		SMM Pointing:		S12W02		Pitch=+297", Yaw=-36", Roll=0deg		H. Ang=18deg	
Optical		Start		Peak		Ha...Class=SF		N15W34		Mac.=EAI		Carr. Lon.=151deg	
GOES		22:12		22:15		Importance=C5		Qual=01		MaxkeV=57		H. Ang=35deg	
HXRBs		22:13:45		22:15:30		Peak...c/s=289		Qual=01		Rast=30"x30"		Step=3"	
HXIS		22:16		22:17:55		Peak...c/s=116		Code=00		Tot Cts=11098		Pitch=+298", Yaw=-139"	
UVSP		22:11		22:16		Wavelength=1548A		Code=00		Exp #=13458			
Radio		Frequency (MHz)/Flux(sfu):		2695/27		4995/21		8800/47		15400/44			
Event # = 1365		80/10/13, 23:21		DOY=287		SMM Pointing:		S12W03		Pitch=+297", Yaw=-43", Roll=0deg		H. Ang=18deg	
Optical		Start		Peak		Ha...Class=SB		N12W46		Mac.=FKI		Carr. Lon.=162deg	
GOES		23:20		23:21		Importance=C3		Qual=04		MaxkeV=57		H. Ang=46deg	
HXRBs		23:21:40		23:21:55		Peak...c/s=133		Qual=01		Rast=3"x3"		Step=0"	
UVSP		23:22		23:22:40		Wavelength=1546A		Code=02		Tot Cts=1269		Pitch=+328", Yaw=-213"	
UVSP		23:22		23:22:40		Wavelength=1546A		Code=02		Exp #=13459			
Event # = 1366		80/10/13, 23:39		DOY=287		SMM Pointing:		S14W07		Pitch=+329", Yaw=-119", Roll=0deg		H. Ang=21deg	
Optical		Start		Peak		Ha...Class=SN		S08W04		Mac.=EKI		Carr. Lon.=120deg	
GOES		23:38		23:39		Importance=C3		Qual=01		MaxkeV=57		H. Ang=14deg	
HXRBs		23:38:20		23:39:35		Peak...c/s=75		Qual=01		Rast=240"x240"		Step=3"	
UVSP		23:30		23:39:55		Wavelength=1548A		Code=00		Tot Cts=13460		Pitch=+267", Yaw=-207"	
Event # = 1367		80/10/13, 23:50		DOY=287		SMM Pointing:		S14W07		Pitch=+329", Yaw=-119", Roll=0deg		H. Ang=21deg	
Optical		Start		Peak		Ha...Class=SF		N07E61		Mac.=CSI		Carr. Lon.=55deg	
GOES		23:46		23:50		Importance=C4		Qual=01		MaxkeV=57		H. Ang=61deg	
HXRBs		23:45:40		23:47:10		Peak...c/s=80		Qual=01		Rast=30"x30"		Step=3"	
UVSP		23:46		23:50:40		Wavelength=1548A		Code=00		Tot Cts=13461		Pitch=+244", Yaw=-314"	
Event # = 1368		80/10/14, 00:13		DOY=288		SMM Pointing:		S14W07		Pitch=+329", Yaw=-119", Roll=0deg		H. Ang=21deg	
Optical		Start		Peak		Ha...Class=SB		N07E71		Mac.=CSO		Carr. Lon.=45deg	
GOES		00:10		00:13		Importance=C5		Qual=02		MaxkeV=131		H. Ang=70deg	
HXRBs		00:10:45		00:11:30		Peak...c/s=175		Qual=01		Rast=30"x30"		Step=3"	
UVSP		23:46		00:12:50		Wavelength=1548A		Code=00		Tot Cts=2843		Flags=M	
Radio		Frequency (MHz)/Flux(sfu):		410/15		606/18		2695/26		4995/38		15400/19	

Event # = 20425 80/10/14,01:30 Start	DOY=288 Peak	End times	SMM Pointing: S14W08	S14W08	Pitch=+329",Yaw=-134",Roll=0deg	H.Ang=22deg
Optical GOES 01:25 HXIS 01:30 UVSP 01:08	01:30 01:26	01:35	Ha...Class=SN Importance=C2 Peak...c/s=43 Wave length=1401A Code=00	AR2725 Exp #=13465	Mac.=EKI Carr.Lon.=125deg Step=4" Pitch=+294",Yaw=-112"	H.Ang=20deg
Event # = 1369 80/10/14,02:39 Start	DOY=288 Peak	End times	SMM Pointing: S14W09	S14W09	Pitch=+329",Yaw=-148",Roll=0deg	H.Ang=22deg
Optical GOES 02:36 HXRS 02:37:10 UVSP 02:35	02:39 02:37:45	02:44 02:38:10	Ha...Class=SB Importance=C2 Peak...c/s=162 Wave length=1399A Code=00 Radio Frequency(MHz)/Flux(sfu): 8800/21	AR2724 Tot Cts=1482 Exp #=13466	Mac.=FKI Carr.Lon.=169deg Step=0" Pitch=+294",Yaw=-125"	H.Ang=55deg
Event # = 1370 80/10/14,03:03 Start	DOY=288 Peak	End times	SMM Pointing: S14W09	S14W09	Pitch=+329",Yaw=-148",Roll=0deg	H.Ang=22deg
Optical GOES 02:44 HXRS 02:45:05 UVSP 02:44	03:03 02:45:30	03:14 02:50:55	Ha...Class=SB Importance=C4 Peak...c/s=266 Wave length=1401A Code=00 Associated Event # = 1371	AR2717 Tot Cts=3327 Exp #=13468	Mac.=EAI Carr.Lon.=140deg Step=4" Pitch=+225",Yaw=-127"	H.Ang=26deg
HXRS 02:53:00	02:57:40	03:00:20	Peak...c/s=75 Qual=01	MaxkeV=57	MaxkeV=131 Rast=60"x60"	
Event # = 1372 80/10/14,04:13 Start	DOY=288 Peak	End times	SMM Pointing: S14W10	S14W10	Pitch=+327",Yaw=-161",Roll=0deg	H.Ang=22deg
Optical GOES 04:11 HXRS 04:12:55 UVSP 04:11	04:13 04:13:15	04:18 04:13:30	Importance=C2 Peak...c/s=712 Wave length=1399A Code=00	AR2724 Tot Cts=4324 Exp #=13469	Step=0" Pitch=+225",Yaw=-139"	
Event # = 20426 80/10/14,04:35 Start	DOY=288 Peak	End times	SMM Pointing: S14W10	S14W10	Pitch=+327",Yaw=-161",Roll=0deg	H.Ang=22deg
Optical GOES 04:29 HXIS 04:35 UVSP 04:21	04:35 04:34	04:40	Ha...Class=SN Importance=C3 Peak...c/s=61 Wave length=1401A Code=00	AR2725 Exp #=13471	Mac.=EKI Carr.Lon.=120deg Step=4" Pitch=+290",Yaw=-209"	H.Ang=16deg
Event # = 1373 80/10/14,05:45 Start	DOY=288 Peak	End times	SMM Pointing: S14W10	S14W10	Pitch=+327",Yaw=-161",Roll=0deg	H.Ang=22deg
Optical GOES 05:39 HXRS 05:44:15 UVSP 05:46	05:45 05:46:15	05:55 05:52:50	Ha...Class=SB Importance=M2 Peak...c/s=399 Wave length=1399A Code=02	AR2725 AR2724 Tot Cts=24420 Exp #=13472	Mac.=EKI Carr.Lon.=120deg Carr.Lon.=162deg Flags=SN Step=0" Pitch=+323",Yaw=-182"	H.Ang=16deg H.Ang=49deg

Event # = 1379 80/10/14, 11:07 Start Peak DOY=288	SMM Pointing: S14W13 Qual=01 Qual=01 Code=00	Importance=C8 Peak...c/s=78 Wavelength=1401A 245/490 410/210	Pitch=+327", Yaw=-210", Roll=0deg Step=4 Pitch=+232", Yaw=-245" Rast=28"x28"	MaxkeV=57 Rast=28"x28"	H. Ang=24deg
GOES 10:29 11:07 11:39 HXRBS 11:00:30 11:01:55 11:03:30 UVSP 10:43 11:01:55 11:03:30 Radio Frequency(MHz)/Flux(sfu): 245/490 410/210	Exp #=13483				
Event # = 1380 80/10/14, 13:48 Start Peak DOY=288	SMM Pointing: S14W15 Qual=01 Qual=01 Code=02	Importance=C3 Peak...c/s=147 Wavelength=1406A 245/93 8800/18	Pitch=+327", Yaw=-248", Roll=0deg Flags=EW Step=0" Pitch=+319", Yaw=-239"	MaxkeV=57 Rast=3"x3"	H. Ang=25deg
GOES 13:43 13:48 13:52 HXRBS 13:44:00 13:45:00 13:47:25 UVSP 13:48 13:45:00 13:47:25 Radio Frequency(MHz)/Flux(sfu): 245/93 8800/18	Tot Cts=4578 Exp #=13488				
Event # = 1381 80/10/14, 14:03 Start Peak DOY=288	SMM Pointing: S14W15 Ha...Class=SB Importance=C5 Peak...c/s=310 Wavelength=1408A Code=00	Importance=C5 Peak...c/s=310 Wavelength=1407A Code=00	Pitch=+327", Yaw=-248", Roll=0deg Carr. Lon.=154deg Flags=EW Step=3" Pitch=+257", Yaw=-336"	MaxkeV=57 Rast=15"x15"	H. Ang=25deg
Optical GOES 14:00 14:03 14:15 HXRBS 14:00:25 14:03:50 14:05:20 UVSP 14:02 14:03:50 14:05:20	AR2724 Tot Cts=10061 Exp #=13490				
Event # = 1382 80/10/14, 15:49 Start Peak DOY=288	SMM Pointing: S14W16 Importance=C2 Peak...c/s=83 Wavelength=1407A Code=00	Importance=C2 Peak...c/s=83 Wavelength=1407A Code=00	Pitch=+323", Yaw=-258", Roll=0deg Flags=EW Step=3" Pitch=+173", Yaw=-428"	MaxkeV=57 Rast=60"x60"	H. Ang=25deg
GOES 15:45 15:49 15:51 HXRBS 15:48:00 15:49:30 15:50:35 UVSP 15:39 15:49:30 15:50:35	Exp #=13495				
Event # = 1383 80/10/14, 15:53 Start Peak DOY=288	SMM Pointing: S14W16 Importance=C3 Peak...c/s=83 Wavelength=1407A Code=00	Importance=C3 Peak...c/s=83 Wavelength=1407A Code=00	Pitch=+323", Yaw=-258", Roll=0deg Flags=EW Step=3" Pitch=+173", Yaw=-428"	MaxkeV=57 Rast=60"x60"	H. Ang=25deg
GOES 15:51 15:53 15:57 HXRBS 15:53:00 15:53:50 15:54:40 UVSP 15:39 15:53:00 15:53:50	Exp #=13495				
Event # = 1384 80/10/14, 18:58 Start Peak DOY=288	SMM Pointing: S14W18 Ha...Class=SF Importance=C3 Peak...c/s=90 Wavelength=1408A Code=00	Importance=C3 Peak...c/s=90 Wavelength=1408A Code=00	Pitch=+325", Yaw=-287", Roll=0deg Carr. Lon.=161deg Mac. =FKI Step=3" Pitch=+301", Yaw=-467"	MaxkeV=57 Rast=60"x60"	H. Ang=27deg
Optical GOES 18:56 18:58 19:05 HXRBS 18:57:00 18:58:00 18:59:00 UVSP 18:50 18:58:00 18:59:00	AR2724 Exp #=13500				
Event # = 1385 80/10/14, 22:04 Start Peak DOY=288	SMM Pointing: S14W20 Importance=C1 Peak...c/s=81 Wavelength=1410A Code=00	Importance=C1 Peak...c/s=81 Wavelength=1410A Code=00	Pitch=+322", Yaw=-315", Roll=0deg Step=3" Pitch=+231", Yaw=-296"	MaxkeV=57 Rast=60"x60"	H. Ang=28deg
GOES 22:00 22:04 22:06 HXRBS 22:03:45 22:04:05 22:04:35 UVSP 22:01 22:03:45 22:04:05	Exp #=13508				

Event # = 1394
 80/10/15, 03:08
 Start
 Peak DOY=289
 SMM Pointing: S09W20
 H. Ang=24deg
 Pitch=+241", Yaw=-318", Roll=0deg
 MaxkeV=57
 GOES 03:07 03:11
 End times
 HXRBS 03:09:50 03:10:10 03:11:45
 Peak...c/s=127
 Radio Frequency(MHz)/Flux(sfu): 1415/30 2695/11
 Associated Event # = 1393
 HXRBS 03:03:40 03:05:20 03:07:55
 Peak...c/s=102
 Qual=01
 Tot Cts=9180
 MaxkeV=57

Event # = 1395
 80/10/15, 04:20
 Start
 Peak DOY=289
 SMM Pointing: S09W21
 H. Ang=25deg
 Pitch=+243", Yaw=-336", Roll=0deg
 MaxkeV=57
 Optical
 Ha...Class=1N
 N14E57
 AR2741
 GOES 03:55 04:20
 End times
 HXRBS 04:23:10 04:23:25 04:23:55
 Peak...c/s=90
 UVSP 04:14
 Wave length=1410A
 Code=00
 Exp #=13522

Event # = 20429
 80/10/15, 04:39
 Start
 Peak DOY=289
 SMM Pointing: S09W21
 H. Ang=25deg
 Pitch=+243", Yaw=-336", Roll=0deg
 MaxkeV=57
 Optical
 Ha...Class=SN
 S10W22
 AR2725
 GOES 04:38 04:39
 End times
 HXRBS 06:27:27 06:30:06 06:30:34
 Peak...c/s=67
 UVSP 06:00
 Wave length=1410A
 Code=00
 Exp #=13524

Event # = 5696
 80/10/15, 06:30
 Start
 Peak DOY=289
 SMM Pointing: S09W21
 H. Ang=26deg
 Pitch=+241", Yaw=-339", Roll=0deg
 MaxkeV=57
 GOES 06:27 06:30
 End times
 HXRBS 06:27:27 06:30:06 06:30:34
 Peak...c/s=82
 UVSP 06:00
 Wave length=1408A
 Code=00
 Exp #=13528
 Flags=1
 Step=3"
 Pitch=+148", Yaw=-371"

Event # = 5697
 80/10/15, 06:41
 Start
 Peak DOY=289
 SMM Pointing: S09W21
 H. Ang=26deg
 Pitch=+240", Yaw=-349", Roll=0deg
 MaxkeV=57
 GOES 06:40 06:41
 End times
 HXRBS 06:40:12 06:40:48 06:42:12
 Peak...c/s=74
 UVSP 06:00
 Wave length=1408A
 Code=00
 Exp #=13528
 Flags=1
 Step=3"
 Pitch=+148", Yaw=-371"

Event # = 20907
 80/10/15, 07:28
 Start
 Peak DOY=289
 SMM Pointing: S09W22
 H. Ang=27deg
 Pitch=+242", Yaw=-362", Roll=0deg
 MaxkeV=57
 GOES 07:28 07:28
 End times
 BCS 07:28 07:28
 FCS 07:28 07:28
 UVSP 07:24
 Wave length=1406A
 Code=00
 Exp #=13530
 FePeak.c/s=10
 #Peaks=1
 Rast=0"x0"
 Step=0"
 Cad=30.7s
 30.72s/pixel
 XEN=28901
 Rast=240"x240"
 Step=3"
 Pitch=+162", Yaw=-429"

Event # = 1396		DOY=289		SMM Pointing:		S09W22		Pitch=+242", Yaw=-362", Roll=0deg		H. Ang=27deg	
80/10/15, 08:10	Start	Peak	End times	Ha...Class=IN		N11W67		Mac.=FKI		Carr. Lon.=165deg	
Optical				Importance=M1		Qual=03		MaxkeV=57		H. Ang=66deg	
GOES	08:00	08:10	08:17	Peak...c/s=87		Qual=01		FePeak.C/s=26		#Peaks=1 dt= 3.2s XEN=28902	
HXRBS	08:05:20	08:06:30	08:07:40	CaPeak.c/s=74		Qual=1		Rast=180"x180"		Step=15" Cad= 147s	
BCS	08:06	08:09	08:13	Peak3...c/s=181				Rast=15"x15"		Step=3" Pitch=+151", Yaw=-513"	
FCS		08:13		Peak...c/s=124							
HXIS		08:08		Wavelength=1406A							
UVSP	07:32										
Event # = 1397		DOY=289		SMM Pointing:		S09W24		Pitch=+240", Yaw=-387", Roll=0deg		H. Ang=28deg	
80/10/15, 10:37	Start	Peak	End times	Importance=C3		Qual=01					
GOES	10:31	10:37	10:45	Peak...c/s=73		Qual=01		MaxkeV=57			
HXRBS	10:36:50	10:37:20	10:38:45	Wavelength=1548A		Code=00		Rast=240"x240"		Step=3" Pitch=+179", Yaw=-456"	
UVSP	10:32										
Event # = 1398		DOY=289		SMM Pointing:		S09W24		Pitch=+240", Yaw=-387", Roll=0deg		H. Ang=28deg	
80/10/15, 11:19	Start	Peak	End times	Importance=C4		Qual=01					
GOES	11:15	11:19	11:20	Peak...c/s=90		Qual=01		MaxkeV=57			
HXRBS	11:16:20	11:17:05	11:18:40	Wavelength=1548A		Code=00		Rast=9"x9"		Step=3" Pitch=+243", Yaw=-369"	
UVSP	10:46										
Event # = 1399		DOY=289		SMM Pointing:		S09W24		Pitch=+240", Yaw=-387", Roll=0deg		H. Ang=28deg	
80/10/15, 11:22	Start	Peak	End times	Importance=C5		Qual=01					
GOES	11:20	11:22	11:29	Peak...c/s=70		Qual=01		MaxkeV=57			
HXRBS	11:22:05	11:22:35	11:24:25	Wavelength=1548A		Code=02		Rast=240"x240"		Step=3" Pitch=+178", Yaw=-463"	
UVSP	11:22										
Event # = 1400		DOY=289		SMM Pointing:		S09W24		Pitch=+240", Yaw=-387", Roll=0deg		H. Ang=28deg	
80/10/15, 12:05	Start	Peak	End times	Peak...c/s=63		Qual=00					
GOES	12:04:40	12:05:05	12:05:30	Wavelength=1547A		Qual=01		MaxkeV=57			
HXRBS								Rast=3"x3"		Step=0" Pitch=+178", Yaw=-469"	
UVSP	12:07										
Event # = 1401		DOY=289		SMM Pointing:		S09W25		Pitch=+240", Yaw=-402", Roll=0deg		H. Ang=29deg	
80/10/15, 12:49	Start	Peak	End times	Ha...Class=1B		N15W70		Mac.=FKI		Carr. Lon.=165deg	
Optical				Importance=M2		Qual=01		MaxkeV=131		H. Ang=69deg	
GOES	12:41	12:49	13:03	Peak...c/s=531		Qual=01		Rast=9"x9"		Step=3" Pitch=+242", Yaw=-366"	
HXRBS	12:42:05	12:47:10	12:53:55	Wavelength=1548A		Code=00		Tot Cts=83780			
UVSP	12:36			1415/23 4995/29 8800/60 15400/33				Exp #=13545			
Radio		Frequency(MHz)/Flux(sfu):									
Event # = 1402		DOY=289		SMM Pointing:		S09W27		Pitch=+238", Yaw=-427", Roll=0deg		H. Ang=30deg	
80/10/15, 15:30	Start	Peak	End times	Importance=C2		Qual=01					
GOES	15:29	15:30	15:38	Peak...c/s=71		Qual=01		MaxkeV=57			
HXRBS	15:29:45	15:30:45	15:33:00	CaPeak.c/s=19		Qual=1		FePeak.C/s=11		#Peaks=1 XEN=28903	
BCS	15:32	15:32	15:32	Wavelength=1548A		Code=00		Rast=240"x240"		Step=3" Pitch=+177", Yaw=-496"	
UVSP	15:21										

Event # = 1403 80/10/15, 15:52 Start	DOY=289 Peak	SMM Pointing: Ha...Class=1B Importance=C9 Peak...c/s=152 Wavelength=1548A	S09W27 N10W48 Qual=02 Qual=13 Code=00	AR2717 Tot Cts=3400 Exp #=13553	Pitch=+238", Yaw=-427", Roll=0deg Carr. Lon.=142deg Flags=M, ES, IS Step=3" Pitch=+223", Yaw=-467"	H. Ang=30deg H. Ang=48deg
Optical GOES 15:47 HXRBS 15:48:50 UVSP 15:36	15:52 15:49:45 15:50:05					
Event # = 1404 80/10/15, 20:21 Start	DOY=289 Peak	SMM Pointing: Importance=C2 Peak...c/s=91 Wavelength=1549A	S09W29 Qual=01 Qual=01 Code=00	Exp #=13561	Pitch=+236", Yaw=-467", Roll=0deg MaxkeV=57 Rast=240" x240" Step=3" Pitch=+175", Yaw=-535"	H. Ang=33deg
GOES 20:20 HXRBS 20:21:35 UVSP 20:07	20:21 20:22:05 20:23:05					
Event # = 1405 80/10/15, 20:30 Start	DOY=289 Peak	SMM Pointing: Ha...Class=SF Importance=C2 Peak...c/s=89 Wavelength=1549A	S09W29 S28E16 Qual=01 Qual=01 Code=00	AR2734 Exp #=13562	Pitch=+236", Yaw=-467", Roll=0deg Carr. Lon.=75deg MaxkeV=57 Rast=9" x9" Step=3" Pitch=+281", Yaw=-493"	H. Ang=33deg H. Ang=37deg
Optical GOES 20:29 HXRBS 20:30:50 UVSP 20:22	20:30 20:31:30 20:32:00					
Event # = 1406 80/10/15, 23:50 Start	DOY=289 Peak	SMM Pointing: Importance=C2 Peak...c/s=88 Wavelength=1548A	S09W31 Qual=01 Qual=01 Code=00	Exp #=13568	Pitch=+236", Yaw=-496", Roll=0deg MaxkeV=57 Rast=30" x30" Step=3" Pitch=+273", Yaw=-517"	H. Ang=35deg
GOES 23:44 HXRBS 23:44:35 UVSP 23:41	23:50 23:46:15 23:47:05					
Event # = 1407 80/10/16, 04:53 Start	DOY=290 Peak	SMM Pointing: Peak...c/s=94 Wavelength=1352A	S09W34 Qual=00 Qual=01	DOY=290 Exp #=13603	Pitch=+233", Yaw=-534", Roll=0deg MaxkeV=57 Rast=30" x30" Step=0" Pitch=+259", Yaw=-589"	H. Ang=37deg
GOES 04:53:20 HXRBS 04:53:20 UVSP 04:42	04:53:55 04:54:50 04:54:50					
Event # = 8585 80/10/16, 06:04 Start	DOY=290 Peak	SMM Pointing: Peak...c/s=90 Wavelength=1353A	S09W35 Qual=01 Code=00	Tot Cts=166 Exp #=13611	Pitch=+230", Yaw=-542", Roll=0deg MaxkeV=402 Rast=30" x30" Step=0" Pitch=+228", Yaw=-493"	H. Ang=38deg
HXRBS 06:04:32 UVSP 05:54	06:04:37 06:04:42 06:04:42					
Event # = 1408 80/10/16, 07:54 Start	DOY=290 Peak	SMM Pointing: Ha...Class=SF Importance=C8 Peak...c/s=97 Wavelength=1352A	S09W36 S28E11 Qual=01 Qual=01 Code=00	AR2734 Exp #=13627	Pitch=+232", Yaw=-558", Roll=0deg Carr. Lon.=74deg MaxkeV=57 Rast=30" x30" Step=0" Pitch=+257", Yaw=-598"	H. Ang=39deg H. Ang=35deg
Optical GOES 07:49 HXRBS 07:50:40 UVSP 07:53	07:54 07:51:15 07:53:30					

Event # = 1409	DOY=290	SMM Pointing:	S09W36	Pitch=+227",	Yaw=-558",	Roll=0deg	H. Ang=39deg
80/10/16,09:36	Peak	End times	Qual=00	MaxkeV=57	Rast=30"x30"	Step=0"	
GOES 09:35:50	09:36:30	09:38:20	Qual=01				
HXRBS 09:29			Wave length=1353A				
UVSP 09:29			Exp #=13639				
Event # = 1410	DOY=290	SMM Pointing:	S09W39	Pitch=+228",	Yaw=-603",	Roll=0deg	H. Ang=42deg
80/10/16,13:40	Peak	End times	AR2734	Mac.=DA0	Carr. Lon.=72deg		
Optical				MaxkeV=57	Rast=3"x3"	Step=0"	Pitch=+256",
GOES 13:38	13:40	13:46	AR2734				Yaw=-610"
HXRBS 13:39:55	13:40:10	13:40:35	Tot Cts=549				
UVSP 13:40			Exp #=13658				
Event # = 1411	DOY=290	SMM Pointing:	S09W41	Pitch=+224",	Yaw=-624",	Roll=0deg	H. Ang=43deg
80/10/16,16:52	Peak	End times	AR2724	Mac.=FKI	Carr. Lon.=165deg		
Optical				MaxkeV=57	Rast=3"x3"	Step=0"	Pitch=+222",
GOES 16:50	16:52	17:06	AR2724				Yaw=-670"
HXRBS 16:51:50	16:52:55	16:54:15	Tot Cts=1740				
UVSP 16:51			Exp #=13665				
Event # = 1412	DOY=290	SMM Pointing:	S09W42	Pitch=+220",	Yaw=-640",	Roll=0deg	H. Ang=45deg
80/10/16,20:14	Peak	End times		MaxkeV=57	Rast=240"x240"	Step=3"	Pitch=+157",
GOES 20:12	20:14	20:20					Yaw=-733"
HXRBS 20:13:45	20:14:20	20:14:50	Tot Cts=910				
UVSP 20:04			Exp #=13672				
Radio Sweeps	Type/Intensity:						
Radio Frequency(MHz)/Flux(sfu)	245/1000	410/130	15400/50				
HXRBS 20:15:50	20:16:35	20:17:25	Event # = 1413				
			Associated				
			Qual=01				
Event # = 1414	DOY=290	SMM Pointing:	S09W45	Pitch=+222",	Yaw=-672",	Roll=0deg	H. Ang=47deg
80/10/16,23:48	Peak	End times	AR2724	Mac.=FKI	Carr. Lon.=160deg		
Optical				MaxkeV=131	Rast=30"x30"	Step=3"	Pitch=+158",
GOES 23:42	23:48	23:58	AR2724				Yaw=-737"
HXRBS 23:45:50	23:46:35	23:47:50	Tot Cts=6480				
UVSP 23:38			Exp #=13679				
Event # = 1415	DOY=291	SMM Pointing:	S09W51	Pitch=+215",	Yaw=-742",	Roll=0deg	H. Ang=53deg
80/10/17,10:40	Peak	End times		MaxkeV=131	Rast=30"x30"	Step=0"	Pitch=+165",
GOES 10:39	10:40	10:42					Yaw=-884"
HXRBS 10:39:00	10:39:55	10:42:10	Tot Cts=1900				
UVSP 10:37			Exp #=13758				
Event # = 1416	DOY=291	SMM Pointing:	S09W51	Pitch=+215",	Yaw=-742",	Roll=0deg	H. Ang=53deg
80/10/17,11:03	Peak	End times		MaxkeV=57	Rast=30"x30"	Step=0"	Pitch=+165",
GOES 11:00	11:03	11:18					Yaw=-886"
HXRBS 11:02:25	11:03:00	11:03:35	Exp #=13762				
UVSP 11:01							

Event # = 1417
 80/10/17,12:00 DOY=291 S09W52 H.Ang=54deg
 Start Peak
 GOES 11:55 12:00 12:04 Importance=C1 Qual=04
 HXRBS 12:00:05 12:00:15 12:01:50 Peak...c/s=86 Qual=01
 UVSP 12:00 Wavelength=1546A Code=02 Exp #=13766 Step=0 Pitch=+149",Yaw=-892"

Event # = 5698
 80/10/17,13:50 DOY=291 S09W53 H.Ang=55deg
 Start Peak
 Optical
 GOES 13:32 13:50 13:52 Ha...Class=SN S15E90 Qual=01
 HXRBS 13:49:02 13:49:33 13:50:32 Importance=C9 Qual=01
 UVSP 13:43 Wavelength=1546A Code=00 Exp #=13770 Step=3
 Associated Event # = 1418
 HXRBS 13:39:45 13:41:20 13:42:50 Peak...c/s=71 Qual=01
 UVSP 13:40 Wavelength=1544A Exp #=13769 Step=0 Pitch=+149",Yaw=-817"

Event # = 1419
 80/10/17,18:38 DOY=291 S09W56 H.Ang=57deg
 Start Peak
 GOES 18:36 18:38 18:46 Importance=C4 Qual=01
 HXRBS 18:37:50 18:38:40 18:39:40 Peak...c/s=72 Qual=01
 UVSP 18:34 Wavelength=1546A Code=00 Exp #=13784 Step=3 Pitch=+165",Yaw=-815"

Event # = 1420
 80/10/17,20:14 DOY=291 S09W56 H.Ang=58deg
 Start Peak
 Optical
 GOES 20:09 20:14 20:20 Ha...Class=IB S17E73 Qual=01
 HXRBS 20:12:20 20:13:00 20:15:40 Importance=C8 Qual=01
 UVSP 20:09 Peak...c/s=442 Qual=01
 Radio Sweeps Type/Intensity: V/2
 Radio Frequency(MHz)/Flux(sfu): 245/280 410/15
 Pitch=+207",Yaw=-792",Roll=0deg H.Ang=58deg
 Mac.=EHI Carr.Lon.=352deg H.Ang=76deg
 MaxkeV=131
 Rast=120"x120" Step=3" Pitch=+194",Yaw=-801"

Event # = 1421
 80/10/17,21:44 DOY=291 S09W57 H.Ang=59deg
 Start Peak
 Optical
 GOES 21:37 21:44 21:53 Ha...Class=IN S17E72 Qual=01
 HXRBS 21:36:55 21:43:35 21:46:00 Importance=C6 Qual=01
 UVSP 21:39 Wavelength=1546A Code=00 Exp #=13793 Step=3 Pitch=+144",Yaw=-869"

Event # = 1422
 80/10/17,21:55 DOY=291 S09W57 H.Ang=59deg
 Start Peak
 Optical
 GOES 21:53 21:55 22:00 Ha...Class=SN S17E70 Qual=01
 HXRBS 21:54:20 21:55:10 21:56:25 Importance=C4 Qual=01
 UVSP 21:45 Wavelength=1546A Code=00 Exp #=13794 Step=3 Pitch=+133",Yaw=-921"

Event # = 1423									
80/10/17,22:20	DOY=291	Peak	SMM Pointing:		S09W57	Pitch=+206", Yaw=-801", Roll=0deg		H. Ang=59deg	
Optical	End times		Ha...Class=SN		AR2744	Mac.=EHI		Carr. Lon.=354deg	
GOES 22:18	22:20	22:21	Importance=C2			MaxkeV=57		H. Ang=73deg	
HXRBS 22:18:00	22:18:20	22:19:05	Peak...c/s=83			Rast=120"x120"		Step=3" Pitch=+132", Yaw=-924"	
UVSP 22:19			WaveLength=1546A		Exp #=13797				
Event # = 1424									
80/10/17,23:37	DOY=291	Peak	SMM Pointing:		S09W58	Pitch=+204", Yaw=-809", Roll=0deg		H. Ang=60deg	
Optical	End times		Ha...Class=SB		AR2744	Carr. Lon.=351deg		H. Ang=75deg	
GOES 23:33	23:37	23:44	Importance=C6			MaxkeV=131			
HXRBS 23:36:00	23:36:15	23:39:25	Peak...c/s=524		Tot Cts=23985	Rast=120"x120"		Step=3" Pitch=+153", Yaw=-927"	
UVSP 23:33			WaveLength=1546A		Exp #=13801				
Event # = 1425									
80/10/17,23:53	DOY=291	Peak	SMM Pointing:		S09W58	Pitch=+204", Yaw=-809", Roll=0deg		H. Ang=60deg	
Optical	End times		Ha...Class=SF		AR2744	Carr. Lon.=353deg		H. Ang=73deg	
GOES 23:53:00	23:53:15	23:53:30	Peak...c/s=121		Tot Cts=240	MaxkeV=57			
HXRBS 23:44			WaveLength=1546A		Exp #=13802	Rast=120"x120"		Step=3" Pitch=+153", Yaw=-928"	
UVSP 23:44									
Event # = 1426									
80/10/18,01:25	DOY=292	Peak	SMM Pointing:		S10W61	Pitch=+214", Yaw=-831", Roll=0deg		H. Ang=63deg	
Optical	End times		Importance=C2		AR2744	Mac.=FKI		H. Ang=63deg	
GOES 01:20	01:25	01:30	Peak...c/s=74			MaxkeV=57			
HXRBS 01:25:10	01:25:40	01:26:30	WaveLength=1546A		Tot Cts=7920	Rast=120"x120"		Step=3" Pitch=+164", Yaw=-925"	
UVSP 01:19					Exp #=13808				
Event # = 1427									
80/10/18,01:43	DOY=292	Peak	SMM Pointing:		S10W61	Pitch=+214", Yaw=-831", Roll=0deg		H. Ang=63deg	
Optical	End times		Ha...Class=SF		AR2744	Carr. Lon.=351deg		H. Ang=74deg	
GOES 01:35	01:43	01:50	Importance=C8			MaxkeV=57			
HXRBS 01:37:55	01:42:00	01:43:25	Peak...c/s=167		Tot Cts=7920	Rast=120"x120"		Step=3" Pitch=+163", Yaw=-927"	
UVSP 01:42			WaveLength=1546A		Exp #=13810				
Radio	Frequency(MHz)/Flux(sfu):		8800/25 15400/30						
Event # = 1428									
80/10/18,02:41	DOY=292	Peak	SMM Pointing:		S10W62	Pitch=+215", Yaw=-840", Roll=0deg		H. Ang=64deg	
Optical	End times		Ha...Class=SN		AR2725	Mac.=CAI		H. Ang=59deg	
GOES 02:36	02:41	02:47	Importance=C7			MaxkeV=131			
HXRBS 02:36:35	02:39:55	02:42:00	Peak...c/s=250		Tot Cts=5200	FePeak.c/s=64		XEN=29200	
BCS 02:39	02:40	02:46	CaPeak.c/s=200		Exp #=13813	Rast=120"x120"		Step=15" Cad=65.5s	
FCS 02:42	02:42		Peak3...c/s=787						
HXIS 02:33	02:40		Peak...c/s=340						
UVSP 02:33			WaveLength=1546A						

80/10/19 DOY=293

Event # = 1445

80/10/19,00:46 DOY=293 Peak
 Start End times
 Optical
 GOES 00:43 00:46 00:51
 HXRBS 00:46:25 00:46:45 00:48:20
 BCS 00:42 00:47 01:06
 FCS 00:47 00:47 00:47
 HXIS 00:47 00:47 00:47
 UVSP 00:44 00:44 00:44
 Radio Sweeps
 Radio Frequency (MHz)/Flux(sfu): 245/310 410/24

SMM Pointing:
 Ha...Class=1W
 Importance=C3
 Peak...c/s=140
 CaPeak.c/s=60
 Peak3...c/s=295
 Peak...c/s=119
 Wavelength=1544A
 Code=00 Exp #=13878
 I11/2
 Type/Intensity:
 245/310 410/24

Pitch=+358", Yaw=+786", Roll=0deg H. Ang=63deg
 Mac.=ESO Carr. Lon.=41deg H. Ang=40deg
 MaxkeV=57
 FePeak.c/s=9 dt= 3.2s XEN=29300
 Rast=0"x0" Cad=1.54s 1.536s/pixel
 Rast=3"x3" Step=0" Pitch=+291", Yaw=+704"

Event # = 20430

80/10/19,01:09 DOY=293 Peak
 Start End times
 Optical
 GOES 01:07 01:09 01:12
 BCS 01:06 01:10 01:20
 FCS 01:14 01:14 01:14
 UVSP 01:06 01:14 01:14

SMM Pointing:
 Importance=C2
 CaPeak.c/s=39
 Peak3...c/s=209
 Wavelength=1547A
 Code=00 Exp #=13881

Pitch=+358", Yaw=+786", Roll=0deg H. Ang=63deg
 FePeak.c/s=11 #Peaks=2 dt= 6.3s XEN=29301
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+360", Yaw=+772"

Event # = 20432

80/10/19,02:24 DOY=293 Peak
 Start End times
 Optical
 GOES 02:20 02:24 02:30
 BCS 02:20 02:23 02:38
 FCS 02:33 02:33 02:33
 UVSP 02:22 02:33 02:33

SMM Pointing:
 Ha...Class=SF
 Importance=C2
 CaPeak.c/s=60
 Peak3...c/s=229
 Wavelength=1549A
 Code=00 Exp #=13886

Pitch=+361", Yaw=+768", Roll=0deg H. Ang=62deg
 Mac.=ESO Carr. Lon.=41deg H. Ang=40deg
 FePeak.c/s=10 #Peaks=2 dt= 3.2s XEN=29302
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=240"x240" Step=3" Pitch=+292", Yaw=+697"

Event # = 4300

80/10/19,02:34 DOY=293 Peak
 Start End times
 Optical
 GOES 02:30 02:34 02:40
 HXRBS 02:30:55 02:31:05 02:31:40
 BCS 02:30 02:34 02:41
 UVSP 02:30 02:30 02:30

SMM Pointing:
 Ha...Class=SF
 Importance=C2
 Peak...c/s=89
 CaPeak.c/s=40
 Wavelength=1549A
 Code=00 Exp #=13887

Pitch=+361", Yaw=+768", Roll=0deg H. Ang=62deg
 Mac.=FKC Carr. Lon.=353deg H. Ang=59deg
 MaxkeV=57 Flags=I
 Rast=120"x120" Step=3" Pitch=+361", Yaw=+766"

Event # = 20909

80/10/19,02:40 DOY=293 Peak
 Start End times
 Optical
 GOES 02:39 02:40 02:41
 BCS 02:39 02:40 02:41
 UVSP 02:30 02:30 02:30

SMM Pointing:
 CaPeak.c/s=20
 Wavelength=1549A
 Code=00 Exp #=13887

Pitch=+361", Yaw=+768", Roll=0deg H. Ang=62deg
 FePeak.c/s=5 #Peaks=1 XEN=29351
 Rast=120"x120" Step=3" Pitch=+361", Yaw=+766"

Event # = 20910

80/10/19,02:43 DOY=293 Peak
 Start End times
 Optical
 GOES 02:43 02:43 02:43
 BCS 02:43 02:43 02:43
 FCS 02:43 02:43 02:43
 UVSP 02:41 02:41 02:41

SMM Pointing:
 CaPeak.c/s=20
 Peak3...c/s=104
 Wavelength=1549A
 Code=00 Exp #=13888

Pitch=+361", Yaw=+768", Roll=0deg H. Ang=62deg
 FePeak.c/s=6 #Peaks=1 XEN=29306
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+361", Yaw=+765"

Event # = 20433	DOY=293	S19E57	Pitch=+361", Yaw=+768", Roll=0deg	H. Ang=62deg
80/10/19, 02:49	Peak	Importance=C2		
Start	End times	CaPeak.c/s=31	dt= 6.3s	XEN=29307
GOES 02:43	02:53	Peak3...c/s=160	Step=0"	Cad=1.54s
BCS 02:45	02:53	Wave length=1549A	Step=3"	Pitch=+361", Yaw=+765"
FCS	02:50	Associated		
UVSP 02:41		Qual=1		
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BCS 02:52	02:53	CaPeak.c/s=21	#Peaks=1	XEN=29308
FCS	02:53	Peak3...c/s=35	Step=15"	Cad= 147s
UVSP 02:52		Wave length=1549A	Step=3"	Pitch=+361", Yaw=+764"
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Event # = 4301	DOY=293	S19E57	Pitch=+361", Yaw=+768", Roll=0deg	H. Ang=62deg
80/10/19, 03:03	Peak	Importance=C3		
Start	End times	Peak...c/s=72	Flags=I	
GOES 02:59	03:05	Peak...c/s=221		
HXRBS 03:01:10	03:01:45	Wave length=1549A		
HXIS	03:01	Code=00		
UVSP 02:52			Step=3"	Pitch=+361", Yaw=+764"
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Event # = 20434	DOY=293	S19E57	Pitch=+361", Yaw=+768", Roll=0deg	H. Ang=62deg
80/10/19, 03:06	Peak	Ha...Class=SN		
Start	End times	Importance=C3	Mac.=FKC	Carr. Lon.=351deg
Optical		Wave length=1549A		
GOES 03:05	03:11	Code=00		
UVSP 03:04			Step=3"	Pitch=+362", Yaw=+763"
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Event # = 1446	DOY=293	S19E57	Pitch=+361", Yaw=+768", Roll=0deg	H. Ang=62deg
80/10/19, 03:13	Peak	Ha...Class=SN		
Start	End times	Importance=C2	Mac.=FKC	Carr. Lon.=351deg
Optical		Peak...c/s=112		
GOES 03:11	03:16	Wave length=1549A		
HXRBS 03:13:20	03:13:50	Code=00		
UVSP 03:04			Step=3"	Pitch=+362", Yaw=+763"
Radio		4995/17 8800/31		
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Event # = 1447	DOY=293	S19E57	Pitch=+361", Yaw=+765", Roll=0deg	H. Ang=61deg
80/10/19, 04:00	Peak	Importance=C2		
Start	End times	Peak...c/s=78		
GOES 03:59	04:02	Wave length=1546A		
HXRBS 03:58:45	03:59:45	Code=00		
UVSP 03:58			Step=3"	Pitch=+293", Yaw=+690"
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Event # = 20435	DOY=293	S19E57	Pitch=+361", Yaw=+765", Roll=0deg	H. Ang=61deg
80/10/19, 04:07	Peak	Importance=C2		
Start	End times	CaPeak.c/s=21		
GOES 04:03	04:11	Peak3...c/s=108		
BCS 04:06	04:07	Wave length=1547A		
FCS	04:07	Code=00		
UVSP 04:06			Step=3"	Pitch=+362", Yaw=+758"
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FePeak.c/s=8	#Peaks=1	XEN=29310		
Rast=180"x180"	Step=15"	Cad= 147s		
Rast=120"x120"	Step=3"	Pitch=+362", Yaw=+758"		

Event # = 20436		DOY=293		SMM Pointing:		S19E57		Pitch=+361", Yaw=+765", Roll=0deg		H. Ang=61deg	
80/10/19,04:32	Start	04:29	Peak	Importance=C1	Qual=01						
GOES	04:29	04:32	04:38	CaPeak.c/s=29	Qual=1						
BCS	04:24	04:31	04:38	Peak3...c/s=106	Qual=1	FePeak=04:30				dt= 6.3s XEN=29311	
FCS	04:35	04:35	04:35	Peak...c/s=54						Cad= 147s 1.024s/pixel	
HXIS	04:30	04:30	04:30	Wavelength=1547A	Code=00	Exp #=13896		Step=3"		Pitch=+362", Yaw=+757"	
UVSP	04:29										
Event # = 20912		DOY=293		SMM Pointing:		S19E57		Pitch=+361", Yaw=+765", Roll=0deg		H. Ang=61deg	
80/10/19,04:47	Start	04:41	Peak	Importance=C2	Qual=01						
GOES	04:41	04:52	04:52	CaPeak.c/s=19	Qual=1						
BCS	04:45	04:45	04:45	Wavelength=1547A	Code=00	FePeak=04:45				XEN=29314	
UVSP	04:40					Exp #=13897		Step=3"		Pitch=+363", Yaw=+756"	
Event # = 1448		DOY=293		SMM Pointing:		S19E56		Pitch=+363", Yaw=+754", Roll=0deg		H. Ang=60deg	
80/10/19,05:43	Start	05:32	Peak	Ha...Class=SB	Qual=01	AR2744		Carr. Lon.=354deg		H. Ang=57deg	
Optical	05:32	05:43	05:57	Importance=C6	Qual=01						
GOES	05:32	05:40	05:47	Peak...c/s=155	Qual=1	Tot Cts=9515				MaxkeV=57	
HXRBS	05:32	05:40	05:47	CaPeak.c/s=250	Qual=1	FePeak=05:40				dt= 3.2s XEN=29315	
BCS	05:29	05:45	06:25	Peak3...c/s=638						Rast=180"x180"	
FCS	05:48	05:48	05:48	Wavelength=1547A	Code=02	Exp #=13901		Step=3"		Pitch=+349", Yaw=+720"	
UVSP	05:43			8800/19 15400/22							
Radio	Frequency (MHz)/Flux(sfu):			Associated Event # = 20437							
BCS	05:29	05:37	05:39	CaPeak.c/s=140		Exp #=13900		Step=3"		Pitch=+294", Yaw=+682"	
UVSP	05:35			Wavelength=1546A							
Event # = 1449		DOY=293		SMM Pointing:		S19E56		Pitch=+363", Yaw=+754", Roll=0deg		H. Ang=60deg	
80/10/19,05:53	Start	05:50	Peak	Importance=C1	Qual=01	AR2744					
Optical	05:50	05:53	05:55	Peak...c/s=144	Qual=01						
GOES	05:50	05:53	05:55	Peak...c/s=494		Tot Cts=700				MaxkeV=131	
HXRBS	05:52	05:53	05:53	Wavelength=1547A	Code=00	Exp #=13901		Step=3"		Pitch=+349", Yaw=+720"	
HXIS	05:44	05:44	05:44								
UVSP	05:43										
Event # = 1450		DOY=293		SMM Pointing:		S19E56		Pitch=+363", Yaw=+754", Roll=0deg		H. Ang=60deg	
80/10/19,06:08	Start	06:07	Peak	Ha...Class=SN	S33E03	AR2739		Carr. Lon.=43deg		H. Ang=39deg	
Optical	06:07	06:08	06:10	Importance=C2	Qual=01						
GOES	06:07	06:08	06:10	Peak...c/s=161	Qual=01	Tot Cts=1200				MaxkeV=57	
HXRBS	06:08	06:08	06:09	Wavelength=1547A	Code=00	Exp #=13903		Step=3"		Pitch=+349", Yaw=+718"	
UVSP	06:05			4995/8 8800/20 15400/41							
Radio	Frequency (MHz)/Flux(sfu):										
Event # = 20438		DOY=293		SMM Pointing:		S19E55		Pitch=+363", Yaw=+750", Roll=0deg		H. Ang=60deg	
80/10/19,07:08	Start	07:03	Peak	Ha...Class=SN	S18E56	AR2744		Carr. Lon.=350deg		H. Ang=60deg	
Optical	07:03	07:08	07:11	Importance=C2	Qual=05						
GOES	07:03	07:08	07:11	Wavelength=1397A	Code=00	Exp #=13907		Step=0"		Pitch=+295", Yaw=+675"	
UVSP	07:06										

Event # = 4302			SMM Pointing:			S19E55			Pitch=+363", Yaw=+750", Roll=0deg			H. Ang=60deg		
80/10/19, 07:14			DOY=293			Peak			Carr. Lon.=43deg			H. Ang=38deg		
Optical			Ha...Class=SN			S32E03			Flags=1			XEN=29319		
GOES 07:11			Importance=C2			Qual=01			#Peaks=2			dt= 3.2s		
HXRBS 07:13:25			Peak...c/s=75			Qual=01			Step=15"			Cad= 147s		
BCS 07:05			CaPeak.c/s=71			Qual= 1			Step=0"			Pitch=+295", Yaw=+67.5"		
FCS			Peak3...c/s=247			Code=00			Exp #=13907					
UVSP 07:06			Wavelength=1397A											
Event # = 20913			SMM Pointing:			S19E55			Pitch=+363", Yaw=+750", Roll=0deg			H. Ang=60deg		
80/10/19, 07:21			DOY=293			Peak			FePeak=07:21			XEN=29320		
GOES 07:21			CaPeak.c/s=20			Qual=00			Step=15"			Cad= 147s		
BCS 07:21			Peak3...c/s=44			Qual= 1			Step=0"			Pitch=+365", Yaw=+748"		
UVSP 07:21			Wavelength=1404A						Exp #=13909					
Event # = 1451			SMM Pointing:			S19E55			Pitch=+363", Yaw=+750", Roll=0deg			H. Ang=60deg		
80/10/19, 07:43			DOY=293			Peak			Step=0"			Pitch=+365", Yaw=+748"		
GOES 07:40			Importance=C2			Qual=01			MaxkeV=57			Rast=4"x4"		
HXRBS 07:43:00			Peak...c/s=75			Qual=01			Step=0"			Pitch=+365", Yaw=+748"		
UVSP 07:21			Wavelength=1404A			Code=00			Exp #=13909					
Event # = 1452			SMM Pointing:			S19E55			Pitch=+363", Yaw=+750", Roll=0deg			H. Ang=60deg		
80/10/19, 07:47			DOY=293			Peak			Step=0"			Pitch=+365", Yaw=+748"		
GOES 07:45			Importance=C2			Qual=01			MaxkeV=57			Rast=4"x4"		
HXRBS 07:46:55			Peak...c/s=75			Qual=01			Step=0"			Pitch=+365", Yaw=+748"		
UVSP 07:21			Wavelength=1404A			Code=00			Exp #=13909					
Event # = 4303			SMM Pointing:			S19E55			Pitch=+363", Yaw=+750", Roll=0deg			H. Ang=60deg		
80/10/19, 08:00			DOY=293			Peak			Tot Cts=1696			XEN=29322		
GOES 07:55			Importance=C3			Qual=03			dt= 6.3s			XEN=29322		
HXRBS 07:54:10			Peak...c/s=73			Qual=01			Step=15"			Cad= 147s		
BCS 07:33			CaPeak.c/s=122			Qual= 1			Step=0"			Pitch=+363", Yaw=+751"		
FCS			Peak3...c/s=246			Code=00			Exp #=13911					
HXIS			Peak...c/s=221											
UVSP 07:53			Wavelength=1404A											
Event # = 1453			SMM Pointing:			S19E54			Pitch=+366", Yaw=+739", Roll=0deg			H. Ang=59deg		
80/10/19, 08:49			DOY=293			Peak			Carr. Lon.=42deg			H. Ang=40deg		
Optical			Ha...Class=SF			S34E03			Step=0"			Pitch=+296", Yaw=+667"		
GOES 08:46			Importance=C2			Qual=01			MaxkeV=57			Rast=4"x4"		
HXRBS 08:48:20			Peak...c/s=109			Qual=01			Step=0"			Pitch=+296", Yaw=+667"		
UVSP 08:43			Wavelength=1397A			Code=00			Exp #=13912					
Radio			Frequency(MHz)/Flux(sfu):			245/360 410/17								

Event # = 20915 80/10/19, 13:25 Start Peak	DOY=293 13:25 13:28 13:29	End times 13:31 13:30	SMM Pointing: Importance=C2 CaPeak.c/s=28 Peak3..c/s=41 Wavelength=1546A	S19E53 Qual=05 Qual=1	FePeak=13:28 Exp # = 13926	Pitch=+368", Yaw=+724", Roll=0deg #Peaks=1 Step=0" Step=0" Cad=3840s Pixel=3840s/pixel Yaw=+642"	H. Ang=57deg
GOES BCS FCS UVSP							
Event # = 20443 80/10/19, 13:32 Start Peak	DOY=293 13:32 13:31 13:34 13:34 13:32	End times 13:40 13:41	SMM Pointing: Importance=C1 CaPeak.c/s=40 Peak3..c/s=216 Peak...c/s=67 Wavelength=1546A	S19E52 Qual=01 Qual=1	FePeak=13:34 Exp # = 13926	Pitch=+368", Yaw=+716", Roll=0deg #Peaks=2 Step=15" Step=0" dt= 1.3s Cad= 410s Pixel=1.024s/pixel Yaw=+642"	H. Ang=57deg
GOES BCS FCS HXIS UVSP							
Event # = 20916 80/10/19, 13:45 Start Peak	DOY=293 13:45 13:45 13:40	End times 13:45	SMM Pointing: CaPeak.c/s=18 Wavelength=1548A	S19E52 Qual=00 Qual=1	FePeak=13:45 Exp # = 13927	Pitch=+368", Yaw=+716", Roll=0deg #Peaks=1 Step=3" Pixel=XEN=29333 Yaw=+642"	H. Ang=57deg
GOES BCS UVSP							
Event # = 20917 80/10/19, 13:47 Start Peak	DOY=293 13:47 13:47 13:40	End times 13:47	SMM Pointing: CaPeak.c/s=19 Wavelength=1548A	S19E52 Qual=00 Qual=1	FePeak=13:47 Exp # = 13927	Pitch=+368", Yaw=+716", Roll=0deg #Peaks=1 Step=3" Pixel=XEN=29334 Yaw=+642"	H. Ang=57deg
GOES BCS UVSP							
Event # = 20918 80/10/19, 14:20 Start Peak	DOY=293 14:20 14:20 13:54	End times 14:40 14:23	SMM Pointing: Importance=C2 CaPeak.c/s=29 Wavelength=1548A	S19E52 Qual=05 Qual=5	FePeak=14:20 Exp # = 13928	Pitch=+368", Yaw=+716", Roll=0deg #Peaks=1 Step=3" Pixel=XEN=29335 Yaw=+726"	H. Ang=57deg
GOES BCS UVSP							
Event # = 20919 80/10/19, 14:24 Start Peak	DOY=293 14:24 14:24 14:27	End times 14:25 14:27	SMM Pointing: CaPeak.c/s=25 Peak3..c/s=43 CaPeak.c/s=20	Associated Qual=1 Associated Qual=1	FePeak=14:24 Event # = 20920 FePeak=14:27	Pitch=+382", Yaw=+726" Cad= 147s Pixel=1.024s/pixel XEN=29338 XEN=29339	H. Ang=57deg
BCS FCS BCS							
Event # = 20921 80/10/19, 15:11 Start Peak	DOY=293 15:11 15:11 15:05	End times 15:18 15:11	SMM Pointing: Importance=C1 CaPeak.c/s=19 Wavelength=1546A	S19E51 Qual=01 Qual=1	FePeak=15:11 Exp # = 13929	Pitch=+370", Yaw=+707", Roll=0deg #Peaks=1 Step=0" Step=0" Cad= 147s Pixel=1.024s/pixel XEN=29341 XEN=29340	H. Ang=56deg
GOES BCS UVSP							
Event # = 20922 80/10/19, 15:13 Start Peak	DOY=293 15:13 15:07 15:07	End times 15:13 15:07	SMM Pointing: CaPeak.c/s=18 CaPeak.c/s=18	Associated Qual=1 Associated Qual=1	FePeak=15:13 Event # = 20923 FePeak=15:07	Pitch=+301", Yaw=+634" XEN=29342 XEN=29340	H. Ang=56deg
BCS BCS							

Event # = 1458															
80/10/19,15:23	DOY=293	SMM Pointing:		S19E51		Pitch=+370",Yaw=+707",Roll=0deg		H.Ang=56deg							
GOES 15:20	15:23	Start	End times												
HXRBS 15:25:55	15:26:30		15:28	Importance=C3	Qual=01										
BCS 15:26	15:26:30		15:27:05	Peak...c/s=76	Qual=01										
FCS 15:26	15:26		15:27	CaPeak.c/s=27	Qual=1										
HXIS 15:15	15:27			Peak...c/s=16											
UVSP 15:15				Peak...c/s=48											
				Wavelength=1548A	Code=00										
BCS 15:23	15:23		15:23	CaPeak.c/s=20	Associated										
					Event # = 20924										
					FePeak=15:23										
					Qual=1										
Event # = 20444															
80/10/19,16:55	DOY=293	SMM Pointing:		S19E50		Pitch=+370",Yaw=+699",Roll=0deg		H.Ang=55deg							
Optical			End times												
GOES 16:49	16:55		16:59	Ha...Class=SN	AR2744										
BCS 16:50	16:55		17:04	Importance=C2	Qual=01										
HXIS 16:52	16:52			CaPeak.c/s=58	Qual=1										
UVSP 16:51				Peak...c/s=96											
				Wavelength=1548A	Code=00										
					Exp #=13933										
Event # = 1459															
80/10/20,09:04	DOY=294	SMM Pointing:		S19E42		Pitch=+375",Yaw=+613",Roll=0deg		H.Ang=48deg							
Optical			End times												
GOES 08:59	09:04		09:11	Ha...Class=IN	AR2744										
HXRBS 09:01:30	09:03:00		09:04:30	Importance=C6	Qual=01										
HXIS 09:02	09:02			Peak...c/s=201											
UVSP 09:02				Peak...c/s=429											
				Wavelength=1547A	Code=00										
					Exp #=13999										
Event # = 1460															
80/10/20,10:40	DOY=294	SMM Pointing:		S19E41		Pitch=+380",Yaw=+593",Roll=0deg		H.Ang=47deg							
Optical			End times												
GOES 10:28	10:40		10:47	Ha...Class=SN	AR2744										
HXRBS 10:32:50	10:33:35		10:39:50	Importance=C3	Qual=01										
HXIS 10:37	10:30			Peak...c/s=101											
UVSP 10:37				Peak...c/s=107											
				Wavelength=1547A	Code=00										
					Exp #=14006										
Event # = 1461															
80/10/20,11:51	DOY=294	SMM Pointing:		S19E40		Pitch=+381",Yaw=+582",Roll=0deg		H.Ang=46deg							
Optical			End times												
GOES 11:50	11:51		11:55	Ha...Class=C1	Qual=01										
HXRBS 11:49:40	11:51:05		11:51:50	Importance=C1	Qual=01										
HXIS 11:50	11:50			Peak...c/s=66											
UVSP 11:51				Peak...c/s=48											
				Wavelength=1544A	Code=02										
					Exp #=14010										

Event # = 20925
 80/10/20, 15:24 Start
 Optical
 GOES 15:13 15:24 DOY=294 Peak
 BCS 15:21 15:25 15:34 End times
 FCS 15:25 15:25 15:34
 UVSP 15:13 15:25 15:34
 SMM Pointing: S19E38 Pitch=+383", Yaw=+561", Roll=0deg
 Ha...Class=SN S14E45 Carr. Lon.=343deg H. Ang=45deg
 Importance=C2 Qual=03 AR2748 H. Ang=49deg
 CaPeak.c/s=45 Qual=1 FePeak=15:25
 Peak3...c/s=118 Wavelength=1401A Code=00 Exp #=14023 dt= 1.3s XEN=29405
 Associated Event # = 20926 Rast=180"x180" Cad= 147s 1.024s/pixel
 CaPeak.c/s=18 Qual=1 FePeak=15:18 #Peaks=1 Step=4" Pitch=+369", Yaw=+546"
 Associated Event # = 20927 FePeak.c/s=5 #Peaks=1 XEN=29404
 CaPeak.c/s=20 Qual=1 FePeak=15:16 #Peaks=1 XEN=29403

Event # = 1462
 80/10/20, 18:34 Start
 Optical
 GOES 18:30 18:34 DOY=294 Peak
 HXRBS 18:31:15 18:32:10 18:35:20 End times
 BCS 18:31 18:34 18:39
 FCS 18:34 18:34 18:39
 HXIS 18:23 18:33
 UVSP 18:23 18:33
 Radio Frequency(MHz)/Flux(sfu): 4995/61 8800/460 15400/440
 SMM Pointing: S19E37 Pitch=+379", Yaw=+548", Roll=0deg H. Ang=44deg
 Ha...Class=SB S17E45 Carr. Lon.=341deg H. Ang=50deg
 Importance=M1 Qual=01 AR2744
 Peak...c/s=4922 Qual=01 Tot Cts=60025 Flags=M,FS
 CaPeak.c/s=721 Qual=1 FePeak=18:34 #Peaks=1 dt= 0.6s XEN=29400
 Peak3...c/s=1033 Rast=120"x120" Cad=65.5s 1.024s/pixel
 Peak...c/s=1220 Rast=120"x120" Step=3" Pitch=+377", Yaw=+526"
 Wavelength=1546A Code=00 Exp #=14030

Event # = 1463
 80/10/20, 23:06 Start
 Optical
 GOES 23:03 23:06 DOY=294 Peak
 HXRBS 23:05:35 23:06:15 23:07:00 End times
 BCS 23:06 23:06 23:08
 FCS 23:06 23:06 23:08
 HXIS 23:04 23:05
 UVSP 23:04 23:05
 Radio Frequency(MHz)/Flux(sfu): 4995/12 8800/52
 SMM Pointing: S19E34 Pitch=+387", Yaw=+504", Roll=0deg H. Ang=41deg
 Importance=C1 Qual=01
 Peak...c/s=168 Qual=01 Tot Cts=975 MaxkeV=57
 CaPeak.c/s=19 Qual=1 FePeak=23:06 #Peaks=1 XEN=29406
 Peak3...c/s=29 Rast=420"x420" Cad= 803s 1.024s/pixel
 Peak...c/s=101 Rast=240"x240" Step=3" Pitch=+327", Yaw=+440"
 Wavelength=1546A Code=00 Exp #=14044

Event # = 20929
 80/10/20, 23:32 Start
 Optical
 GOES 23:11 23:32 DOY=294 Peak
 BCS 23:31 23:31 23:42 End times
 UVSP 23:22 23:31 23:31
 SMM Pointing: S19E34 Pitch=+387", Yaw=+504", Roll=0deg H. Ang=41deg
 Ha...Class=SN S11E45 Carr. Lon.=339deg H. Ang=48deg
 Importance=C1 Qual=01 AR2748 H. Ang=46deg
 CaPeak.c/s=21 Qual=1 FePeak=23:31 XEN=29411
 Wavelength=1546A Code=00 Exp #=14046 #Peaks=1 Step=3" Pitch=+355", Yaw=+434"
 Associated Event # = 20928 FePeak.c/s=8 #Peaks=1 XEN=29408
 CaPeak.c/s=20 Qual=1 FePeak=23:28 FePeak.c/s=1 #Peaks=1 XEN=29412
 Associated Event # = 20930 FePeak.c/s=6 #Peaks=1 XEN=29412
 CaPeak.c/s=20 Qual=1 FePeak=23:33 FePeak.c/s=7 #Peaks=1 XEN=29413
 CaPeak.c/s=18 Qual=1 FePeak=23:35 FePeak.c/s=7 #Peaks=1 XEN=29414
 Wavelength=1546A Code=00 Exp #=14047 Pitch=+355", Yaw=+433"
 Associated Event # = 20932 FePeak.c/s=7 #Peaks=1 XEN=29414
 CaPeak.c/s=20 Qual=1 FePeak=23:38 FePeak.c/s=7 #Peaks=1 XEN=29414
 Wavelength=1546A Code=00 Exp #=14047 Pitch=+355", Yaw=+433"

Event # = 1464
 80/10/21, 00:45 Start DOY=295
 SMM Pointing: S19E33
 Optical
 GOES 00:34 00:45 00:55 End times
 HXRBS 00:42:40 00:43:35 00:44:15
 BCS 00:34 00:44 01:00
 HXIS
 UVSP 00:39
 Radio Frequency(MHz)/Flux(stu): 4995/20 8800/78 15400/23
 Ha...Class=IF
 Importance=C3
 Peak...c/s=230
 CaPeak.c/s=85
 Peak...c/s=101
 Wave length=1547A Code=00
 4995/20 8800/78 15400/23
 Pitch=+384", Yaw=+497", Roll=0deg H. Ang=41deg
 Mac.=EKI Carr. Lon.=344deg H. Ang=42deg
 MaxkeV=57
 FePeak.c/s=85
 Rast=240"x240" Step=3" Pitch=+328", Yaw=+425"

Event # = 1465
 80/10/21, 05:38 Start DOY=295
 SMM Pointing: S19E31
 Optical
 GOES 05:34 05:38 05:40 End times
 HXRBS 05:36:40 05:37:30 05:39:40
 BCS 05:37 05:38 05:39
 FCS 05:38 05:38
 HXIS 05:37
 UVSP 05:35
 Radio Sweeps
 Radio Frequency(MHz)/Flux(stu): 245/85
 Ha...Class=SN
 Importance=C1
 Peak...c/s=80
 CaPeak.c/s=48
 Peak3...c/s=142
 Peak...c/s=96
 Wave length=1547A Code=00
 V/2
 Pitch=+386", Yaw=+466", Roll=0deg H. Ang=39deg
 Mac.=EKI Carr. Lon.=348deg H. Ang=39deg
 MaxkeV=57
 FePeak.c/s=18 #Peaks=1 XEN=29500
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+368", Yaw=+452"

Event # = 20446
 80/10/21, 10:16 Start DOY=295
 SMM Pointing: S19E28
 Optical
 GOES 10:11 10:16 10:18 End times
 BCS 10:12 10:14 10:18
 FCS 10:14 10:14
 UVSP 10:14
 BCS 10:10 10:11 10:12
 FCS 10:11 10:11
 UVSP 10:11
 Ha...Class=SN
 Importance=C2
 CaPeak.c/s=35
 Peak3...c/s=128
 Wave length=1546A Code=00
 Associated Event # = 20933
 Qual= 5
 CaPeak.c/s=30
 Peak3...c/s=39
 Wave length=1544A
 Pitch=+389", Yaw=+430", Roll=0deg H. Ang=37deg
 FePeak.c/s=18 #Peaks=1 dt= 6.5s XEN=29502
 Rast=300"x300" Step=15" Cad= 410s 1.024s/pixel
 Rast=240"x240" Step=3" Pitch=+330", Yaw=+338"
 FePeak.c/s=14 #Peaks=1 XEN=29501
 Rast=0"x0" Step=0" Cad=3840s 3840s/pixel
 Rast=3"x3" Step=0" Pitch=+330", Yaw=+335"

Event # = 20447
 80/10/21, 10:32 Start DOY=295
 SMM Pointing: S19E28
 Optical
 GOES 10:20 10:32 10:38 End times
 BCS 10:24 10:31 10:34
 FCS 10:30 10:30
 UVSP 10:22
 Ha...Class=SN
 Importance=C1
 CaPeak.c/s=27
 Peak3...c/s=125
 Wave length=1547A Code=00
 Pitch=+389", Yaw=+430", Roll=0deg H. Ang=37deg
 Mac.=EKI Carr. Lon.=346deg H. Ang=39deg
 FePeak.c/s=9 #Peaks=1 dt= 6.5s XEN=29503
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=+373", Yaw=+416"

Event # = 20934
 80/10/22, 00:32 Start DOY=296
 SMM Pointing: S19E21
 Optical
 GOES 00:15 00:32 01:04 End times
 BCS 00:32 00:32 00:35
 FCS 00:32 00:33
 UVSP 00:34
 Ha...Class=SN
 Importance=C2
 CaPeak.c/s=19
 Peak3...c/s=28
 Wave length=1545A Code=02
 Pitch=+395", Yaw=+322", Roll=0deg H. Ang=32deg
 FePeak.c/s=7 #Peaks=1 XEN=29600
 Rast=0"x0" Step=0" Cad=3840s 3840s/pixel
 Rast=3"x3" Step=0" Pitch=+381", Yaw=+194"

Event # = 20935
 80/10/22 02:07 Start DOY=296 Peak
 SMM Pointing: S19E20
 Ha...Class=SM AR2748
 Importance=C2
 CaPeak.c/s=19 FePeak=02:13
 Peak3..c/s=63
 Wavelength=1545A Code=02 Exp #=14148
 Type/Intensity: V/2
 Radio Sweeps

Pitch=+394", Yaw=+309", Roll=0deg
 Mac.=DKI Carr.Lon.=337deg
 #Peaks=1 XEN=29602
 Step=0" Cad=30.7s 30.72s/pixel
 Rast=3" x3" Pitch=+395", Yaw=+290"

Event # = 20448
 80/10/22 05:16 Start DOY=296 Peak
 SMM Pointing: S19E18
 Ha...Class=1B
 Importance=C4 AR2748
 CaPeak.c/s=32 FePeak=05:20
 Peak3..c/s=36
 Wavelength=1545A Code=02 Exp #=14162
 Type/Intensity: V/2
 Radio Sweeps

Pitch=+395", Yaw=+284", Roll=0deg
 Mac.=DKI Carr.Lon.=338deg
 #Peaks=1 XEN=29606
 Step=15" Cad= 147s 1.024s/pixel
 Rast=3" x3" Pitch=+352", Yaw=+167"

Event # = 1466
 80/10/23 07:43 Start DOY=297 Peak
 SMM Pointing: S21W77
 Ha...Class=1B
 Importance=M3 AR2751
 CaPeak.c/s=4365 Qual=01
 Wavelength=1639A Code=02
 Tot Cts=3.77E+5 MaxkeV=271
 Exp #=14273 Rast=250"x250" Pitch=+299", Yaw=-964"

Radio Sweeps
 Type/Intensity: IV/3
 Frequency (MHz)/Flux(sfu): 245/160 410/3200 606/63000 1415/220 2695/640 4995/270 8800/510 15400/430

Pitch=-23", Yaw=-671", Roll=0deg
 Carr.Lon.=73deg
 H.Ang=44deg
 H.Ang=81deg

Event # = 1467
 80/10/23 10:38 Start DOY=297 Peak
 SMM Pointing: N05W44
 Ha...Class=1N
 Importance=M1
 Peak..c/s=1174 Qual=01
 Max.E..MeV= 0.6
 CaPeak.c/s=127 Qual= 1
 Peak3..c/s=18
 Wavelength=1546A Code=00 Exp #=14288
 Frequency (MHz)/Flux(sfu): 1415/21 2695/60 4995/290 8800/130

Pitch=-23", Yaw=-671", Roll=0deg
 Carr.Lon.=73deg
 H.Ang=44deg

Event # = 1468
 80/10/23 10:43 Start DOY=297 Peak
 SMM Pointing: N05W44
 Importance=C1
 Peak..c/s=91 Qual=01
 CaPeak.c/s=18 Qual= 1
 Wavelength=1546A Code=00
 Associated Event # = 20936
 FePeak.c/s=19
 FePeak=10:45
 FePeak.c/s=12
 FePeak=10:45

Event # = 1469
 80/10/23,12:25 DOY=297 Peak S18W01 SMM Pointing: Pitch=+386", Yaw=-22", Roll=0deg H. Ang=24deg
 Start End times
 Optical Ha...Class=SB AR2751 Mac.=DKO Carr. Lon.=31deg H. Ang=44deg
 GOES 12:18 12:25 12:32 N25W41 Qual=04
 HXRBS 12:25:25 12:26:10 12:28:30 Peak...c/s=235 Tot Cts=4810
 UVSP 11:49 12:25:25 12:26:10 12:28:30 Wavelength=1547A Exp #=14293
 Radio Frequency(MHz)/Flux(sfu): 245/370 410/190 606/23 1415/54 2695/34 4995/37 8800/24

Event # = 5712
 80/10/24,00:36 DOY=298 80/10/24 DOY=298
 Start End times
 Optical SMM Pointing: Pitch=+384", Yaw=-128", Roll=0deg H. Ang=25deg
 GOES 00:20 00:36 00:36 N20W42 AR2751 Mac.=DKO Carr. Lon.=25deg H. Ang=43deg
 HXRBS 00:29:50 00:31:04 00:32:36 S16W08 AR2744 Carr. Lon.=351deg H. Ang=23deg
 UVSP 00:36 00:36 00:36 Peak...c/s=93
 Radio Sweeps Wavelength=1547A Code=02 Exp #=14314 Flags=1
 Radio Frequency(MHz)/Flux(sfu): 410/23 606/44 1415/250 2695/150 4995/9

Event # = 20937
 80/10/25,04:25 DOY=299 80/10/25 DOY=299
 Start End times
 Optical SMM Pointing: Pitch=+378", Yaw=-364", Roll=0deg H. Ang=33deg
 GOES 03:52 04:25 05:12 S21W19 AR2744 Mac.=EKI Carr. Lon.=347deg H. Ang=32deg
 BCS 04:03 04:16 04:32 CaPeak.c/s=83 FePeak=04:16 #Peaks=2 XEN=29900
 UVSP 04:16 04:16 04:32 Wavelength=1547A Code=00 Exp #=14412 Rast=120"x120" Pitch=+377", Yaw=-375"

Event # = 1470
 80/10/25,05:48 DOY=299 80/10/25 DOY=299
 Start End times
 Optical SMM Pointing: Pitch=+375", Yaw=-373", Roll=0deg H. Ang=33deg
 GOES 05:37 05:48 06:08 N19W59 AR2751 Mac.=DAO Carr. Lon.=26deg H. Ang=59deg
 HXRBS 05:36:50 05:39:30 05:43:35 Peak...c/s=247 Qual=01 Tot Cts=23490
 UVSP 05:41 05:36:50 05:39:30 05:43:35 Wavelength=1547A Code=00 Exp #=14418
 Radio Sweeps III/2 V/2
 Radio Frequency(MHz)/Flux(sfu): 2695/18 4995/38 8800/77 15400/61

Event # = 1471
 80/10/25,08:27 DOY=299 80/10/25 DOY=299
 Start End times
 Optical SMM Pointing: Pitch=+374", Yaw=-391", Roll=0deg H. Ang=34deg
 GOES 07:59 08:27 08:41 N19W60 AR2751 Mac.=DAO Carr. Lon.=26deg H. Ang=60deg
 HXRBS 08:19:45 08:20:30 08:23:10 Peak...c/s=148 Qual=02 Tot Cts=6150
 UVSP 08:23 08:19:45 08:20:30 08:23:10 Wavelength=1546A Code=00 Exp #=14429
 Radio Frequency(MHz)/Flux(sfu): 1415/9 2695/7 4995/26 8800/28

Event # = 1472
 80/10/25,09:50 DOY=299 SMM Pointing: S18W25 Pitch=+374",Yaw=-391",Roll=0deg H.Ang=34deg
 Start Peak End times
 Optical Ha...Class=2B N19W59 Carr.Lon.=24deg H.Ang=59deg
 GOES 09:36 09:50 10:58 Importance=X3 Qual=05
 HXRBS 09:55:55 09:56:20 10:07:30 Peak...c/s=13257 Qual=04 Tot Cts=1.95E+5 Flags=M,SN,ES
 UVSP 09:57 09:57 10:07:30 Wavelength=1545A Code=02 Exp #=14435 Step=0" Pitch=+334",Yaw=-420"
 Radio Sweeps Type/Intensity:
 Radio Frequency(MHz)/Flux(sfu): 1415/340 2695/330 4995/410 8800/930

80/10/26 DOY=300
 Event # = 1473
 80/10/26,00:33 DOY=300 SMM Pointing: N19W75 Pitch=-287",Yaw=-884",Roll=0deg H.Ang=74deg
 Start Peak End times
 GOES 00:29 00:33 00:37 Importance=C1 Qual=01
 HXRBS 00:33:20 00:33:35 00:33:50 Peak...c/s=99 Qual=01
 UVSP 00:24 00:24 00:33:35 Wavelength=1547A Code=00 Exp #=14474 Step=4" Pitch=-270",Yaw=-891"

Event # = 1474
 80/10/26,01:02 DOY=300 SMM Pointing: N19W75 Pitch=-287",Yaw=-884",Roll=0deg H.Ang=74deg
 Start Peak End times
 GOES 01:00 01:02 01:13 Importance=C1 Qual=01
 HXRBS 01:01:35 01:02:00 01:03:40 Peak...c/s=83 Qual=01
 BCS 01:02 01:04 01:07 CaPeak.c/s=26 Qual=1 FePeak=01:04
 FCS 01:02 01:04 01:07 Peak3...c/s=96
 UVSP 00:24 00:24 01:04 Wavelength=1547A Code=00 Exp #=14474
 Radio Sweeps Type/Intensity: III/1

Event # = 1476
 80/10/26,07:17 DOY=300 SMM Pointing: N19W77 Pitch=-293",Yaw=-890",Roll=0deg H.Ang=76deg
 Start Peak End times
 Optical Ha...Class=SN S18W38 Carr.Lon.=351deg H.Ang=44deg
 GOES 07:14 07:17 07:19 Importance=C1 Qual=01
 HXRBS 07:16:20 07:17:20 07:18:10 Peak...c/s=108 Qual=01 Tot Cts=5720
 UVSP 07:08 07:08 07:18:10 Wavelength=1353A Code=00 Exp #=14510
 HXRBS 07:14:15 07:14:30 07:14:50 Peak...c/s=70 Associated Event # = 1475
 Qual=01

Event # = 1477
 80/10/26,14:40 DOY=300 SMM Pointing: N19W82 Pitch=-297",Yaw=-907",Roll=0deg H.Ang=81deg
 Start Peak End times
 Optical Ha...Class=S8 S20W45 Carr.Lon.=354deg H.Ang=51deg
 GOES 14:33 14:40 14:46 Importance=C3 Qual=03
 HXRBS 14:39:45 14:41:25 14:42:10 Peak...c/s=85 Qual=01
 UVSP 14:41 14:41 14:42:10 Wavelength=1545A Code=02 Exp #=14538 Step=0" Pitch=-799",Yaw=-192"

Event # = 1478
 80/10/26,22:42 DOY=300 SMM Pointing: N19W84 Pitch=-307",Yaw=-910",Roll=0deg H.Ang=83deg
 Start Peak End times
 Optical Ha...Class=SF S02E40 Carr.Lon.=265deg H.Ang=41deg
 Optical Ha...Class=SF S11W41 Carr.Lon.=346deg H.Ang=44deg
 GOES 22:37 22:42 22:53 Importance=C5 Qual=04
 HXRBS 22:38:30 22:40:12 22:43:10 Peak...c/s=104 Qual=01 Tot Cts=2800
 UVSP 22:42 22:42 22:43:10 Wavelength=1349A Code=02 Exp #=14556 Step=10" Pitch=-365",Yaw=-981"

80/10/27		DOY=301	
Event # = 1479			
80/10/27, 11:29	DOY=301		
Start	Peak		
GOES 11:28	11:29	End times	
HXRBS 11:29:25	11:29:30	11:31	
UVSP 11:27		11:30:05	
			SMM Pointing:
			Importance=C1
			Peak...c/s=83
			Wave length=1547A
			Code=00
			Exp #=14643
			Pitch=-311", Yaw=-920", Roll=0deg
			MaxkeV=57
			Rast=240"x240"
			Step=10" Pitch=-372", Yaw=-984"
80/10/28		DOY=302	
Event # = 1480			
80/10/28, 00:43	DOY=302		
Start	Peak		
Optical			
GOES 00:36	00:43	End times	
HXRBS 00:45:55	00:46:25	00:49	
UVSP 00:29		00:47:25	
			SMM Pointing:
			Ha...Class=SN
			Importance=C5
			Peak...c/s=81
			Wave length=1402A
			Code=00
			Exp #=14774
			Type/Intensity:
			V/1
			Pitch=+346", Yaw=-767", Roll=0deg
			Mac.=DAI
			Carr. Lon.=267deg
			H. Ang=60deg
			MaxkeV=57
			Rast=60"x60"
			Step=4" Pitch=+368", Yaw=-787"
80/10/28		DOY=302	
Event # = 1481			
80/10/28, 02:25	DOY=302		
Start	Peak		
Optical			
GOES 02:12	02:25	End times	
HXRBS 02:23:30	02:24:00	02:29	
BCS 02:13		02:24:25	
FCS 02:25		02:29	
HXIS 02:25		02:29	
UVSP 02:25		02:24	
			SMM Pointing:
			Ha...Class=SN
			Importance=C3
			Peak...c/s=73
			CaPeak.c/s=43
			Peak3...c/s=211
			Peak...c/s=88
			Wave length=1402A
			Code=02
			Exp #=14792
			Pitch=+342", Yaw=-771", Roll=0deg
			Mac.=EKO
			Carr. Lon.=351deg
			H. Ang=61deg
			MaxkeV=57
			FePeak.c/s=13
			#Peaks=2 dt= 6.3s
			XEN=30200
			Rast=180"x180"
			Step=15" Cad= 147s
			1.024s/pixel
			Rast=4"x4"
			Step=0" Pitch=+342", Yaw=-796"
80/10/28		DOY=302	
Event # = 20938			
80/10/28, 02:53	DOY=302		
Start	Peak		
Optical			
GOES 02:42	02:53	End times	
BCS 02:44		03:02	
FCS 02:44		02:46	
UVSP 02:47		02:45	
			SMM Pointing:
			Importance=C3
			CaPeak.c/s=21
			Peak3...c/s=35
			Wave length=1402A
			Code=01
			Exp #=14795
			Pitch=+342", Yaw=-771", Roll=0deg
			FePeak.c/s=8
			#Peaks=1
			Rast=180"x180"
			Step=15" Cad= 147s
			XEN=30202
			1.024s/pixel
			Rast=60"x60"
			Step=4" Pitch=+342", Yaw=-798"
80/10/28		DOY=302	
Event # = 1482			
80/10/28, 12:16	DOY=302		
Start	Peak		
Optical			
GOES 12:14	12:16	End times	
HXRBS 12:16:05	12:16:20	12:16:55	
			SMM Pointing:
			Importance=C1
			Peak...c/s=97
			Pitch=+338", Yaw=-816", Roll=0deg
			MaxkeV=57
80/10/28		DOY=302	
Event # = 1483			
80/10/28, 21:29	DOY=302		
Start	Peak		
Optical			
GOES 21:27	21:29	End times	
HXRBS 21:28:05	21:29:05	21:32	
UVSP 21:21		21:29:35	
			SMM Pointing:
			Ha...Class=IN
			Importance=C2
			Peak...c/s=80
			Wave length=1549A
			Code=00
			Exp #=14841
			Pitch=+332", Yaw=-851", Roll=0deg
			Mac.=EKO
			Carr. Lon.=351deg
			H. Ang=71deg
			MaxkeV=57
			Rast=30"x30"
			Step=3" Pitch=+357", Yaw=-856"

Event # = 20939																										
80/10/28, 22:22	DOY=302		S18W68												Pitch=+332"	Yaw=-851"	Roll=0deg								H. Ang=71deg	
Start	Peak																									
GOES 21:57	22:22		Qual=05												FePeak.c/s=9	#Peaks=1									XEN=30203	
BCS 22:32	22:32		Qual=5											Rast=180" x180"	Step=15"										1.024s/pixel	
FCS 22:35	22:35													Rast=4" x4"	Step=0"										Cad=147s	
UVSP 22:34																									Pitch=+356"	
																									Yaw=-860"	
80/10/29 DOY=303																										
Event # = 4304																										
80/10/29, 01:50	DOY=303		S19W71												Pitch=+330"	Yaw=-870"	Roll=0deg								H. Ang=74deg	
Start	Peak																									
Optical																										
GOES 01:48	01:50																									
HXRBS 01:48:15	01:48:30																									
BCS 01:48	01:50																									
FCS 01:50	01:50																									
HXIS 01:50	01:50																									
UVSP 01:45																										
80/10/29 DOY=303																										
Event # = 20940																										
80/10/29, 05:00	DOY=303		S18W72												Pitch=+321"	Yaw=-874"	Roll=0deg								H. Ang=74deg	
Start	Peak																									
GOES 04:58	05:00																									
BCS 04:59	05:01																									
FCS 05:01	05:01																									
UVSP 04:56	05:01																									
80/10/29 DOY=303																										
Event # = 20941																										
80/10/29, 06:43	DOY=303		N00E84												Pitch=+4"	Yaw=+963"	Roll=0deg								H. Ang=84deg	
Start	Peak																									
GOES 06:41	06:43																									
BCS 06:41	06:41																									
FCS 06:42	06:41																									
UVSP 06:42	06:41																									
80/10/29 DOY=303																										
Event # = 20942																										
80/10/29, 08:48	DOY=303		N12E84												Pitch=-197"	Yaw=+941"	Roll=0deg								H. Ang=83deg	
Start	Peak																									
GOES 08:48	08:48																									
BCS 08:48	08:48																									
FCS 08:49	08:49																									
UVSP 08:49	08:49																									
80/10/29 DOY=303																										
Event # = 20943																										
80/10/29, 08:55	DOY=303		N12E84												Pitch=-197"	Yaw=+941"	Roll=0deg								H. Ang=83deg	
Start	Peak																									
GOES 08:55	08:55																									
BCS 08:55	08:55																									
UVSP 08:54	08:55																									

Event # = 20944		DOY=303		N12E84		Pitch=-197", Yaw=+941", Roll=0deg		H. Ang=83deg	
80/10/29, 08:57	Start	SMM Pointing:		Qual=00					
GOES	08:57	CaPeak.c/s=19	WaveLength=1402A	Qual=1	FePeak=08:57			XEN=30310	
BCS	08:57			Exp #=14868				Rast=240"x240" Pitch=-261", Yaw=+855"	
UVSP	08:54								
Event # = 20945		DOY=303		N12E84		Pitch=-197", Yaw=+941", Roll=0deg		H. Ang=83deg	
80/10/29, 09:01	Start	SMM Pointing:		Qual=00					
GOES	09:01	CaPeak.c/s=20	WaveLength=1402A	Qual=1	FePeak=09:01			XEN=30315	
BCS	09:01	Peak3..c/s=10		Exp #=14869				Rast=0"x0" Cad=3840s Pitch=-183", Yaw=+952"	
UVSP	08:59								
Event # = 20946		DOY=303		N12E84		Pitch=-197", Yaw=+941", Roll=0deg		H. Ang=83deg	
80/10/29, 09:05	Start	SMM Pointing:		Qual=00					
GOES	09:05	CaPeak.c/s=19	WaveLength=1402A	Qual=1	FePeak=09:05			XEN=30313	
BCS	09:05			Exp #=14869				Rast=84"x84" Pitch=-183", Yaw=+952"	
UVSP	08:59								
Event # = 20947		DOY=303		S18W77		Pitch=+322", Yaw=-895", Roll=0deg		H. Ang=79deg	
80/10/29, 12:16	Start	SMM Pointing:		Qual=03					
GOES	12:09	Importance=C4		Qual=2	FePeak=12:15			XEN=30314	
BCS	12:15	CaPeak.c/s=18		Exp #=14875				Rast=120"x120" Cad=65.5s Pitch=-256", Yaw=-935"	
FCS	12:15	Peak3..c/s=31							
UVSP	12:07	WaveLength=1400A	Code=00						
Event # = 1484		DOY=304		80/10/30		Pitch=-164", Yaw=+973", Roll=0deg			
80/10/30, 00:31	Start	SMM Pointing:		Qual=01					
GOES	00:30	Importance=C1		Qual=01	Exp #=14908			XEN=30400	
HXRBS	00:31:00	Peak...c/s=66		Exp #=14935				Rast=180"x240" Cad=442s Pitch=-238", Yaw=+945"	
UVSP	00:16	WaveLength=1402A	Code=00						
Event # = 20948		DOY=304		Code=02		Pitch=-165", Yaw=+973", Roll=0deg			
80/10/30, 13:35	Start	SMM Pointing:		Qual=05					
GOES	13:31	Importance=C2		Qual=5	FePeak=13:36			XEN=30400	
BCS	13:36	CaPeak.c/s=40		Exp #=14935				Rast=180"x1" Pitch=-238", Yaw=+945"	
FCS	13:39	Peak3..c/s=87							
UVSP	13:43	WaveLength=2832A	Code=02						
Event # = 1485		DOY=304		Qual=02		Pitch=-166", Yaw=+977", Roll=0deg			
80/10/30, 15:25	Start	SMM Pointing:		Qual=01					
GOES	15:20	Importance=C1		Qual=01	Tot Cts=720			XEN=30400	
HXRBS	15:25:00	Peak...c/s=110		Exp #=14940				Rast=180"x4" Step=0" Pitch=-169", Yaw=+958"	
UVSP	16:03	WaveLength=1399A							

Event # = 1486	DOY=304	SMM Pointing:	N17E90	AR2776	Pitch=-166", Yaw=+976", Roll=0deg	H. Ang=89deg
80/10/30, 18:03	Peak	Code=ASR	Qual=01			
Optical		Importance=C2	Qual=01			
GOES 17:58	18:03	Peak...c/s=136	Qual=01	Tot Cts=4760	MaxkeV=57	XEN=30403
HXRBS 17:59:20	18:00:45	CaPeak.c/s=34	Qual=1	FePeak=18:01	Rast=300"x300"	Cad= 410s 1.024s/pixel
BCS 18:00	18:01	Peak3...c/s=143		Exp # = 14945	Rast=120"x120"	Step=4" Pitch=-245", Yaw=+933"
FCS 18:01	18:01	Wavelength=1402A	Code=00			
UVSP 17:49						
Event # = 1487	DOY=304	SMM Pointing:			Pitch=-164", Yaw=+974", Roll=0deg	
80/10/30, 19:17	Peak	Importance=C1	Qual=04			
GOES 19:16	19:17	Peak...c/s=114	Qual=01	Tot Cts=1650	MaxkeV=57	
HXRBS 19:16:30	19:17:05	Wavelength=1399A	Code=00	Exp # = 14946	Rast=4"x4"	Step=0" Pitch=-245", Yaw=+933"
UVSP 19:16		245/31 4995/9 8800/20				
Radio		Frequency(MHz)/Flux(sfu):				
Event # = 1488	DOY=304	SMM Pointing:			Pitch=-166", Yaw=+977", Roll=0deg	
80/10/30, 20:59	Peak	Importance=C7	Qual=04			
GOES 20:50	20:59	Peak...c/s=70	Qual=01	Tot Cts=6885	MaxkeV=57	
HXRBS 20:49:05	20:52:55	Wavelength=1402A	Code=00	Exp # = 14950	Rast=240"x240"	Step=4" Pitch=-243", Yaw=+911"
UVSP 20:57						
Event # = 1490	DOY=305	SMM Pointing:		80/10/31	DOY=305	
80/10/31, 02:06	Peak	Ha...Class=S8	S16W32	AR2774	Pitch=-168", Yaw=+982", Roll=0deg	H. Ang=38deg
Optical		Importance=C5	Qual=01		Mac.=DKO	
GOES 02:02	02:06	Peak...c/s=1018	Qual=01	Tot Cts=22400	MaxkeV=131	Flags=FS
HXRBS 02:04:35	02:04:50	Wavelength=1402A	Code=00	Exp # = 14960	Rast=120"x120"	Step=4" Pitch=-245", Yaw=+933"
UVSP 01:51		Associated	Event # = 1489		MaxkeV=57	
HXRBS 02:01:55	02:02:30	Peak...c/s=103	Qual=01	Tot Cts=960	MaxkeV=57	
UVSP 02:05:35	02:06:15	Associated	Event # = 1491		MaxkeV=57	
HXRBS 02:05:35	02:06:15	Peak...c/s=94	Qual=01			
Event # = 5715	DOY=305	SMM Pointing:			Pitch=-168", Yaw=+978", Roll=0deg	
80/10/31, 03:22	Peak	Importance=C5	Qual=06			
Optical		Peak...c/s=116	Qual=01	Tot Cts=5119	MaxkeV=57	Flags=I
GOES 03:19:59	03:22:07	Wavelength=1397A		Exp # = 14961	Rast=4"x4"	Step=0" Pitch=-245", Yaw=+933"
HXRBS 03:19:59	03:22:07					
UVSP 03:15						
Event # = 1492	DOY=305	SMM Pointing:			Pitch=-170", Yaw=+982", Roll=0deg	
80/10/31, 09:37	Peak	Importance=C5	Qual=03			
GOES 09:30	09:37	Peak...c/s=135	Qual=01	Tot Cts=3185	MaxkeV=57	
HXRBS 09:36:20	09:37:10	Wavelength=1399A		Exp # = 14985	Rast=4"x4"	Step=0" Pitch=-116", Yaw=+779"
UVSP 10:08						
Radio		Type/Intensity:				
Radio		Frequency(MHz)/Flux(sfu):	245/490 410/250 606/140			

Event # = 1493	80/10/31,12:44	DOY=305	Peak	SMM Pointing:		Pitch=-168",Yaw=+982",Roll=0deg	
Optical	Start	End times					
Optical				Ha...Class=1B	N14W19	AR2763	
GOES	12:36	12:44		Ha...Class=SF	S05W23	AR2761	
HXRBS	12:54:15	12:54:30	12:59	Importance=C3	Qual=05		
UVSP	12:00	12:54:50		Peak...c/s=204	Qual=01	Tot Cts=875	
Radio	Frequency(MHz)/Flux(sfu):	245/1500	410/180	Wave length=1402A		Exp #=14990	Pitch=-210",Yaw=+937"
				245/1500	410/180	606/150	
Event # = 1494	80/10/31,20:52	DOY=305	Peak	SMM Pointing:		Pitch=-169",Yaw=+978",Roll=0deg	
GOES	Start	End times					
HXRBS	20:51:35	20:52:00	20:52:40	Peak...c/s=67	Qual=00		
UVSP	20:49	20:52:40		Wave length=1353A	Qual=01	Exp #=15018	Pitch=-201",Yaw=+934"
Event # = 1495	80/10/31,22:50	DOY=305	Peak	SMM Pointing:		Pitch=-166",Yaw=+978",Roll=0deg	
GOES	Start	End times					
HXRBS	22:49:45	22:50:15	22:50:35	Peak...c/s=73	Qual=00		
UVSP	22:43	22:50:35		Wave length=1353A	Qual=01	Exp #=15030	Pitch=-196",Yaw=+924"
Event # = 20949	80/11/01,01:32	DOY=306	Peak	SMM Pointing:		Pitch=-168",Yaw=+982",Roll=0deg	
Optical	Start	End times					
GOES	01:22	01:32	02:05	Ha...Class=SN	N03E50	AR2773	H.Ang=50deg
BCS	01:34	01:34	01:34	Importance=C4	Qual=05		
FCS	01:34	01:34	01:34	CaPeak.c/s=25	Qual= 1	FePeak=01:34	XEN=30600
UVSP	01:35	01:35		Peak3...c/s=14		Exp #=15045	Cad=3840s
Radio Sweeps	Type/Intensity:			Wave length=1347A	Code=02		Pitch=-111",Yaw=+774"
BCS	01:37	01:37	01:38	V/2		Event # = 20950	
FCS	01:37	01:37		Associated	Qual= 1	FePeak=01:37	XEN=30601
UVSP	01:37	01:37		CaPeak.c/s=18		Exp #=15046	Cad= 147s
				Peak3...c/s=11			1.024s/pxel
				Wave length=1372A			Pitch=-196",Yaw=+859"
Event # = 1496	80/11/01,05:22	DOY=306	Peak	SMM Pointing:		Pitch=-166",Yaw=+976",Roll=0deg	
Optical	Start	End times					
Optical				Ha...Class=SN	N21E39	AR2772	H.Ang=41deg
GOES	05:14	05:22	05:28	Ha...Class=SN	N30E25	AR2765	H.Ang=35deg
HXRBS	05:18:30	05:19:15	05:21:30	Importance=C1	Qual=01		
UVSP	05:14	05:21:30		Peak...c/s=72	Qual=01		
				Wave length=1353A	Code=00	Exp #=15071	Pitch=-196",Yaw=+914"
Event # = 1497	80/11/01,14:22	DOY=306	Peak	SMM Pointing:		Pitch=-165",Yaw=+975",Roll=0deg	
GOES	Start	End times					
HXRBS	14:20	14:22	14:25	Importance=C2	Qual=04		
BCS	14:19:45	14:20:00	14:20:30	Peak...c/s=72	Qual=01	FePeak=14:20	XEN=30602
FCS	14:20	14:20	14:26	CaPeak.c/s=26	Qual= 5	Exp #=15100	Cad= 803s
UVSP	14:22	14:22		Peak3...c/s=131	Code=02		1.024s/pxel
				Wave length=1546A			Pitch=-111",Yaw=+774"

Event # = 1498
 80/11/01,19:22 Start DOY=306 Peak
 SMM Pointing: Pitch=-164", Yaw=+973", Roll=0deg
 Carr. Lon.=164deg H. Ang=64deg
 Carr. Lon.=195deg H. Ang=37deg
 Carr. Lon.=257deg H. Ang=30deg
 Mac.=DKC
 N17E64 AR2776
 N23E33 AR2772
 N12W29 AR2763
 Ha...Class=1B
 Ha...Class=SF
 Ha...Class=SN
 Importance=M1
 Qual=01
 Peak...c/s=1004
 CaPeak.c/s=300
 Peak3...c/s=25
 Peak...c/s=331
 Wavelength=1353A
 Code=00 Exp #=15116
 V/2
 Type/Intensity: 245/97 606/21 1415/75 2695/43 4995/130 8800/72 15400/20
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Event # = 1499
 80/11/02,02:11 Start DOY=307 Peak
 SMM Pointing: Pitch=-316", Yaw=+438", Roll=0deg
 Carr. Lon.=199deg H. Ang=34deg
 Mac.=EKI
 N20E25 AR2772
 Qual=01
 Ha...Class=SB
 Importance=C6
 Peak...c/s=241
 CaPeak.c/s=166
 Peak3...c/s=1009
 Peak...c/s=214
 Wavelength=1353A
 Code=00 Exp #=15157
 V/2
 Type/Intensity: 1415/16 2695/21 4995/28 8800/30 15400/28
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Event # = 20449
 80/11/02,10:58 Start DOY=307 Peak
 SMM Pointing: Pitch=-316", Yaw=+382", Roll=0deg
 Carr. Lon.=199deg H. Ang=31deg
 Mac.=EKI
 N22E20 AR2772
 Qual=05
 Ha...Class=SB
 Importance=C6
 CaPeak.c/s=86
 Peak3...c/s=574
 Peak...c/s=125
 Wavelength=1549A
 Exp #=15200
 H. Ang=26deg
 XEN=30702
 1.024s/pixel
 Pitch=-291", Yaw=+362"

Event # = 1500
 80/11/02,14:19 Start DOY=307 Peak
 SMM Pointing: Pitch=-320", Yaw=+353", Roll=0deg
 Carr. Lon.=276deg H. Ang=29deg
 Mac.=DKO
 S20W59 AR2774
 Qual=04
 Ha...Class=SB
 Importance=C3
 Peak...c/s=1627
 Max.E..MeV= 0.6
 Wavelength=1544A
 Code=02
 V/2
 Type/Intensity: 245/350 1415/15 2695/15 4995/18 8800/49 15400/46
 Radio Sweeps
 Radio Frequency(MHz)/Flux(sfu):

Event # = 1501
80/11/02,16:06 DOY=307 Peak
Optical Start End times
GOES 16:03 16:06 16:11
HXRBS 16:03:40 16:04:50 16:05:55
BCS 16:04 16:05 16:11
FCS 16:06
HXIS 16:04
UVSP 16:03

SMM Pointing: N23E22
Ha...Class=SN
Importance=C2
Peak...c/s=100
CaPeak.c/s=55
Peak3...c/s=181
Peak...c/s=101
Wavelength=1548A Code=00 Exp #=15220

Pitch=-314", Yaw=+332", Roll=0deg
Mac.=EKI Carr. Lon.=192deg
MaxkeV=57
FePeak.c/s=19 #Peaks=1 XEN=30703
Rast=120"x120" Cad=65.5s 1.024s/pixel
Rast=240"x240" Step=10" Pitch=-374", Yaw=+269"

Event # = 5716
80/11/02,19:11 DOY=307 Peak
Optical Start End times
GOES 19:03 19:11 19:18
HXRBS 19:04:50 19:05:27 19:06:06
UVSP 19:08
Radio Frequency(MHz)/Flux(sfu):
HXRBS 19:10:53 19:11:52 19:12:35

SMM Pointing: N23E20
Ha...Class=SN
Ha...Class=SN
Peak...c/s=155
Wave length=1354A Code=00 Exp #=5717
245/150 410/81 606/26 2695/15 4995/10
Associated Event # = 5717
Qual=01
Peak...c/s=69

Pitch=-313", Yaw=+307", Roll=0deg
Mac.=DAO Carr. Lon.=283deg
Carr. Lon.=194deg
MaxkeV=106
Rast=180"x180" Step=10" Pitch=-343", Yaw=+200"
Flags=I
MaxkeV=57
Flags=I

Event # = 1502
80/11/03,00:00 DOY=308
Optical Start End times
GOES 23:57 00:00 00:06
HXRBS 23:58:15 00:01:55 00:07:15
UVSP 23:54
Radio Sweeps Type/Intensity:
HXRBS 19:10:53 19:11:52 19:12:35

SMM Pointing: N21E14
Ha...Class=1B
Importance=M1
Peak...c/s=133
Wave length=1354A Code=00 Exp #=15260
I/1 I/1/1

Pitch=-283", Yaw=+216", Roll=0deg
Mac.=DAO Carr. Lon.=194deg
MaxkeV=132
Rast=180"x180" Step=10" Pitch=-316", Yaw=+176"

Event # = 1503
80/11/03,02:04 DOY=308 Peak
Optical Start End times
GOES 01:56 02:04 02:24
HXRBS 01:57:10 01:59:25 02:11:55
UVSP 02:04
Radio Sweeps Type/Intensity:
Radio Frequency(MHz)/Flux(sfu):

SMM Pointing: N21E13
Ha...Class=1B
Importance=M3
Peak...c/s=469
Wave length=1354A Code=02 Exp #=15274
III/3 V/3
1415/32 2695/100 4995/89

Pitch=-283", Yaw=+199", Roll=0deg
Mac.=EKC Carr. Lon.=167deg
MaxkeV=132
Rast=180"x180" Step=10" Pitch=-310", Yaw=+158"

Event # = 20451
80/11/03,03:21 DOY=308 Peak
Optical Start End times
GOES 03:18 03:21 03:30
BCS 03:18 03:23 03:32
FCS 03:27
HXIS 03:21
UVSP 03:13

SMM Pointing: N21E12
Ha...Class=SN
Importance=C4
CaPeak.c/s=90
Peak3...c/s=393
Peak...c/s=136
Wavelength=1354A Code=00 Exp #=15281

Pitch=-280", Yaw=+183", Roll=0deg
Mac.=EKI Carr. Lon.=197deg
Rast=120"x120" Step=15" Cad=66.0s
Rast=180"x180" Step=10" Pitch=-315", Yaw=+148"

Event # = 1510			SMM Pointing:			M10E33			Pitch=-114",Yaw=+525",Roll=0deg			H.Ang=34deg					
80/11/04,02:03			End times			Ha...Class=SB			Mac.=HSX			Carr.Lon.=108deg			H.Ang=91deg		
DOY=309			Peak			Importance=M2			AR2779								
Optical			02:23			Peak...c/s=475			Tot Cts=1.34E+5			Step=10"			Pitch=-154",Yaw=+487"		
GOES 01:48:20			02:09:20			Wavelength=1354A			Exp #=15357			Rast=180"x180"					
HXRBS 02:01						Code=00											
UVSP						4995/46 8800/100			15400/61								
Radio																	
Frequency (MHz)/Flux(sfu):																	
<hr/>																	
Event # = 20452			SMM Pointing:			M10E30			Pitch=-108",Yaw=+483",Roll=0deg			H.Ang=31deg					
80/11/04,06:42			End times			Ha...Class=SF			Mac.=EKI			Carr.Lon.=198deg			H.Ang=17deg		
DOY=309			Peak			Importance=C3			AR2772								
Optical			06:50			CaPeak.c/s=35			FePeak=06:41			#Peaks=2			dt= 6.3s		
GOES 06:40			06:56			Peak3..c/s=156			Exp #=15384			Rast=180"x180"			Cad= 147s		
BCS 06:32						Wavelength=1354A						Step=10"			Pitch=-172",Yaw=+365"		
FCS 06:36																	
UVSP																	
<hr/>																	
Event # = 20951			SMM Pointing:			N10E30			Pitch=-108",Yaw=+483",Roll=0deg			H.Ang=31deg					
80/11/04,06:58			End times			CaPeak.c/s=18			FePeak=06:58			#Peaks=1			XEN=30903		
DOY=309			Peak			Wavelength=1354A			Exp #=15386			Step=10"			Pitch=-172",Yaw=+363"		
Optical			06:58														
GOES 06:58			06:58														
BCS 06:55																	
UVSP																	
<hr/>																	
Event # = 20453			SMM Pointing:			N10E30			Pitch=-108",Yaw=+483",Roll=0deg			H.Ang=31deg					
80/11/04,07:03			End times			Importance=C3			FePeak=07:03			#Peaks=1			XEN=30904		
DOY=309			Peak			CaPeak.c/s=28			Exp #=15386			Step=10"			Cad=30.7s		
Optical			07:09			Peak3..c/s=88						Rast=180"x180"			Pitch=-172",Yaw=+363"		
GOES 07:01			07:05			Wavelength=1354A											
BCS 07:02																	
FCS 07:03																	
UVSP																	
<hr/>																	
Event # = 1511			SMM Pointing:			N10E29			Pitch=-111",Yaw=+463",Roll=0deg			H.Ang=29deg					
80/11/04,10:01			End times			Ha...Class=SF			Mac.=FKC			Carr.Lon.=172deg			H.Ang=23deg		
DOY=309			Peak			Importance=C4			AR2776								
Optical			10:08			Peak...c/s=90			FePeak=10:02			#Peaks=1			XEN=30906		
GOES 10:00			10:02			CaPeak.c/s=20			Exp #=15393			Step=10"			Cad=30.7s		
HXRBS 10:00:45			10:01:15			Peak3..c/s=30						Rast=180"x180"			Pitch=-140",Yaw=+420"		
BCS 10:01			10:02			Wavelength=1354A											
FCS 10:02																	
UVSP																	
<hr/>																	
Event # = 5718			SMM Pointing:			N10E26			Pitch=-102",Yaw=+422",Roll=0deg			H.Ang=27deg					
80/11/04,15:02			End times			Importance=C2			Maxkey=81			Flags=I					
DOY=309			Peak			Peak...c/s=362			Tot Cts=3035			Step=10"			Pitch=-94",Yaw=+398"		
Optical			15:04			Wavelength=1354A			Exp #=15410								
GOES 15:00			15:02:33			Code=02											
HXRBS 15:01:30						245/44 8800/18			15400/9								
UVSP																	
Radio																	
Frequency (MHz)/Flux(sfu):																	

Event # = 5719 80/11/04 15:08 Start	DOY=309 Peak	SMM Pointing: N10E26		Pitch=-102", Yaw=+422", Roll=0deg	H. Ang=27deg
Optical		Ha...Class=IB Importance=M1		Mac.=EKI Carr. Lon.=199deg	H. Ang=20deg
GOES 15:04	15:08	Qual=03			
HXRBS 15:05:08	15:07:13	Qual=03	Tot Cts=17432	Flags=I, EN	
HXIS	15:02	Peak...c/s=80	Exp #=15410	Step=10"	Pitch=-94", Yaw=+398"
UVSP 15:02		Wave length=1354A			
Event # = 1512 80/11/04 15:51 Start	DOY=309 Peak	SMM Pointing: N10E25		Pitch=-101", Yaw=+407", Roll=0deg	H. Ang=26deg
GOES		Qual=06			
HXRBS 15:51:40	15:51:50	Peak...c/s=81	Exp #=15414	Step=10"	Pitch=-135", Yaw=+376"
UVSP 15:47		Wave length=1354A			
Event # = 1513 80/11/04 16:02 Start	DOY=309 Peak	SMM Pointing: N10E25		Pitch=-101", Yaw=+407", Roll=0deg	H. Ang=26deg
GOES		Qual=03			
HXRBS 16:02:10	16:02:25	Qual=01	Tot Cts=560	Step=10"	Pitch=-135", Yaw=+376"
UVSP 15:47		Code=00	Exp #=15414		
Event # = 1514 80/11/04 18:16 Start	DOY=309 Peak	SMM Pointing: N10E25		Pitch=-111", Yaw=+396", Roll=0deg	H. Ang=25deg
Optical		Ha...Class=SN		Mac.=DAO Carr. Lon.=163deg	H. Ang=30deg
GOES 18:12	18:16	Importance=C3			
HXRBS 18:12:50	18:13:10	Qual=03	AR2777	Step=10"	Pitch=-134", Yaw=+357"
UVSP 18:02		Qual=01	Exp #=15420		
		Peak...c/s=98			
		Wave length=1354A			
Event # = 1515 80/11/04 19:54 Start	DOY=309 Peak	SMM Pointing: N10E24		Pitch=-106", Yaw=+382", Roll=0deg	H. Ang=24deg
Optical		Ha...Class=SF		Mac.=FKC Carr. Lon.=171deg	H. Ang=21deg
GOES 19:50	19:54	N16E17	AR2776		
HXRBS 19:52:55	19:54:25	Qual=02			
UVSP 19:51		Qual=01			
Radio		Code=00	Exp #=15425	Step=10"	Pitch=-159", Yaw=+342"
		Frequency(MHz)/Flux(sfu):			
		2695/19			
Event # = 1517 80/11/04 21:18 Start	DOY=309 Peak	SMM Pointing: N10E23		Pitch=-103", Yaw=+367", Roll=0deg	H. Ang=23deg
Optical		Ha...Class=SF		Carr. Lon.=170deg	H. Ang=21deg
GOES 20:50	21:18	N16E17	AR2776		
HXRBS 21:14:15	21:14:45	Qual=03			
UVSP 20:35		Qual=01	Tot Cts=450	Step=10"	Pitch=-149", Yaw=+335"
Radio		Code=00	Exp #=15429		
		Wave length=1354A			
		III/1			
		Type/Intensity:			
		Associated	Event # = 1516		
HXRBS 20:50:40	20:52:30	Qual=01	Tot Cts=2990		
		Associated	Event # = 1518		
		Peak...c/s=86			
HXRBS 21:23:30	21:23:50	Qual=01			

80/11/05 DOY=310

Event # = 20952

80/11/05,00:11 DOY=310 Peak N10E21 SMM Pointing: N10E21 Pitch=-109",Yaw=+344",Roll=0deg H.Ang=22deg
 Optical Start End times
 GOES 23:50 00:11 00:38 Ha...Class=SN N10E23 AR2776 Mac.=FKC Carr.Lon.=162deg H.Ang=24deg
 BCS 00:09 00:10 00:12 CaPeak.c/s=24 Qual=1 FePeak.c/s=13 #Peaks=1 XEN=31000
 UVSP 23:46 00:10 00:12 Wavelength=1354A Code=00 Exp #=15439 Rast=180"x180" Pitch=10" Step=10" XEN=31000
 Yaw=+308"

Event # = 1519

80/11/05,01:35 DOY=310 Peak N10E20 SMM Pointing: N10E20 Pitch=-105",Yaw=+332",Roll=0deg H.Ang=21deg
 Optical Start End times
 GOES 01:34 01:35 01:42 Ha...Class=SF N01W05 AR2773 Mac.=DSO Carr.Lon.=190deg H.Ang=6deg
 HXRBS 01:35:10 01:35:45 01:36:15 Peak...c/s=130 Qual=01 Tot Cts=1690 MaxkeV=57
 UVSP 01:22 01:22 01:22 Wavelength=1354A Code=00 Exp #=15444 Rast=180"x180" Step=10" Pitch=-147",Yaw=+294"

Event # = 1520

80/11/05,01:41 DOY=310 Peak N10E20 SMM Pointing: N10E20 Pitch=-105",Yaw=+332",Roll=0deg H.Ang=21deg
 GOES Start End times
 HXRBS 01:39:35 01:41:00 01:42:05 Peak...c/s=64 Qual=00 MaxkeV=57
 UVSP 01:22 01:22 01:22 Wavelength=1354A Code=00 Exp #=15444 Rast=180"x180" Step=10" Pitch=-147",Yaw=+294"

Event # = 1521

80/11/05,03:05 DOY=310 Peak N10E19 SMM Pointing: N10E19 Pitch=-105",Yaw=+314",Roll=0deg H.Ang=20deg
 GOES Start End times
 HXRBS 03:03 03:05 03:14 Ha...Class=SF N10E19 AR2776 Mac.=FKC Carr.Lon.=171deg H.Ang=19deg
 BCS 03:04:30 03:05:25 03:06:35 Peak...c/s=94 Qual=01 FePeak.c/s=13 #Peaks=1 XEN=31003
 FCS 03:08 03:08 03:08 CaPeak.c/s=18 Qual=1 FePeak=03:08 Rast=0"x0" Step=0" Cad=30.7s 30.72s/pixel
 UVSP 03:02 03:08 03:08 Peak3...c/s=43 Exp #=15448 Rast=240"x240" Step=3" Pitch=-165",Yaw=+245"
 Radio Frequency(MHz)/Flux(sfu): 2695/20 4995/36 8800/17

Event # = 1522

80/11/05,05:08 DOY=310 Peak N10E18 SMM Pointing: N10E18 Pitch=-103",Yaw=+298",Roll=0deg H.Ang=19deg
 Optical Start End times
 GOES 04:47 05:08 05:22 Ha...Class=IN N15E12 AR2776 Mac.=FKC Carr.Lon.=171deg H.Ang=16deg
 HXRBS 05:05:05 05:06:35 05:07:30 Peak...c/s=95 Qual=01 FePeak=05:10 dt= 3.2s XEN=31010
 BCS 04:53 05:10 05:30 CaPeak.c/s=53 Qual=1 Rast=0"x0" Cad=30.7s 30.72s/pixel
 FCS 05:21 05:09 05:21 Peak3...c/s=121 Exp #=15454 Rast=20"x4" Step=0" Pitch=-106",Yaw=+247"
 HXIS 04:48 05:09 05:21 Wavelength=1403A Code=00 Exp #=15454 Rast=20"x4" Step=0" Pitch=-106",Yaw=+247"
 UVSP 04:48 05:09 05:21 Wavelength=1403A Code=00 Exp #=15454 Rast=20"x4" Step=0" Pitch=-106",Yaw=+247"
 Radio Frequency(MHz)/Flux(sfu): 410/52 606/44 1415/30 2695/20 4995/22 8800/22 15400/18

Event # = 1523

80/11/05,06:37 DOY=310 Peak N10E18 SMM Pointing: N10E18 Pitch=-104",Yaw=+289",Roll=0deg H.Ang=18deg
 GOES Start End times
 HXRBS 06:33 06:37 07:02 Ha...Class=IN N10E18 AR2776 Mac.=FKC Carr.Lon.=171deg H.Ang=16deg
 UVSP 06:35:35 06:36:00 06:37:05 Peak...c/s=546 Qual=01 FePeak=05:10 dt= 3.2s XEN=31010
 Wavelength=1354A Code=00 Exp #=15459 Rast=180"x180" Step=10" Pitch=-131",Yaw=+248"

Event # = 20732	D0Y=310		SMM Pointing:	N10E17		Pitch=-105", Yaw=+272", Roll=0deg	H.Ang=17deg
80/11/05, 08:18	Peak		Ha...Class=SN	N13E20	AR2776	Mac.=FKC	H.Ang=22deg
Optical		End times	Importance=M1	Qual=04		FePeak.c/s=14	XEN=31004
GOES 08:08	08:18	08:25	CaPeak.c/s=31	Qual=5		Rast=0"x0"	3840s/pixel
BCS 08:10	08:10	08:17	Peak3...c/s=23			Step=0"	Cad=3840s
FCS 08:11	08:11		Wavelength=1354A	Code=00		Step=10"	Pitch=-131", Yaw=+234"
UVSP 08:07			4995/53 8800/35 15400/20				
Radio	Frequency(MHz)/Flux(sfu):						
Event # = 1524	D0Y=310		SMM Pointing:	N10E17		Pitch=-105", Yaw=+272", Roll=0deg	H.Ang=18deg
80/11/05, 08:55	Peak		Ha...Class=SB	S14E85	AR2779	Mac.=EKI	H.Ang=86deg
Optical		End times	Importance=M3	Qual=02		MaxkeV=57	Flags=M,EN
GOES 08:32	08:55	09:27	Peak...c/s=241	Qual=03		Rast=10"x10"	Step=0"
HXRBS 08:25:35	08:32:30	08:42:35	Wavelength=1347A			Tot Cts=68340	Pitch=-131", Yaw=+220"
UVSP 09:42			2695/15 4995/26 8800/35 15400/52			Exp #=15464	
Radio	Frequency(MHz)/Flux(sfu):						
Event # = 1525	D0Y=310		SMM Pointing:	N10E15		Pitch=-101", Yaw=+242", Roll=0deg	H.Ang=16deg
80/11/05, 11:32	Peak		Ha...Class=SB	S14E85	AR2779	Mac.=EKI	H.Ang=86deg
Optical		End times	Importance=C9	Qual=01		MaxkeV=57	Flags=M,EN
GOES 11:29	11:32	11:40	Peak...c/s=229	Qual=01		Rast=180"x180"	Step=0"
HXRBS 11:31:20	11:32:25	11:35:40	Wavelength=1354A	Code=00		Tot Cts=7800	Pitch=-165", Yaw=+206"
UVSP 11:19						Exp #=15471	
Radio	Frequency(MHz)/Flux(sfu):						
Event # = 1527	D0Y=310		SMM Pointing:	N10E14		Pitch=-106", Yaw=+232", Roll=0deg	H.Ang=15deg
80/11/05, 12:40	Peak		Importance=C3	Qual=03		MaxkeV=57	Flags=M,EN
GOES 12:34	12:40	12:48	Peak...c/s=94	Qual=01		Rast=180"x180"	Step=10"
HXRBS 12:36:55	12:37:10	12:38:00	Wavelength=1354A	Code=00		Tot Cts=7800	Pitch=-130", Yaw=+195"
UVSP 12:34						Exp #=15475	
HXRBS 12:34:20	12:34:35	12:34:45	Associated	Qual=01		Event # = 1526	
Radio	Frequency(MHz)/Flux(sfu):						
Event # = 1528	D0Y=310		SMM Pointing:	N10E14		Pitch=-106", Yaw=+232", Roll=0deg	H.Ang=15deg
80/11/05, 13:55	Peak		Ha...Class=SB	S14E85	AR2779	Mac.=FKC	H.Ang=86deg
Optical		End times	Importance=X4	Qual=05		FePeak.c/s=14	XEN=31004
GOES 13:41	13:55	14:58	Peak...c/s=1176	Qual=04		Rast=0"x0"	3840s/pixel
HXRBS 14:05:55	14:06:15	14:20:55	Wavelength=1347A			Step=0"	Cad=3840s
UVSP 14:07						Step=10"	Pitch=-130", Yaw=+180"
Radio Sweeps	Type/Intensity:		11/1				
Radio	Frequency(MHz)/Flux(sfu):		245/1000 410/33 606/38 1415/74 2695/25 4995/650 8800/1300				
Event # = 5720	D0Y=310		SMM Pointing:	N10E12		Pitch=-103", Yaw=+200", Roll=0deg	H.Ang=13deg
80/11/05, 15:46	Peak		Importance=C7	Qual=05		MaxkeV=57	Flags=M,EN
GOES 15:43	15:46	15:48	Peak...c/s=87	Qual=01		Rast=180"x180"	Step=10"
HXRBS 15:44:42	15:45:34	15:46:07	Wavelength=1354A	Code=00		Tot Cts=68340	Pitch=-130", Yaw=+166"
UVSP 15:44						Exp #=15485	
Radio	Frequency(MHz)/Flux(sfu):						

Event # = 1529 80/11/05,17:12 Start	DOY=310 Peak	End times	SMM Pointing:	N10E12	Pitch=-103", Yaw=+201", Roll=0deg	H. Ang=13deg
Optical			Ha...Class=SN	S10E74	Mac.=EKI	
Optical			Ha...Class=SM	M04E21	Carr. Lon.=102deg	H. Ang=75deg
GOES	17:09	17:20	Importance=C8	Qual=05	Carr. Lon.=155deg	H. Ang=21deg
HXRBS	17:21:10	17:23:00	Peak...c/s=62	Qual=01		
BCS	17:22	17:24	CaPeak.c/s=24	Qual= 1		
FCS	17:23		Peak3...c/s=51	FePeak=17:23		XEN=31006
UVSP	17:19		Wavelength=1347A	Code=02 Exp #=15488	Rast=10"x10"	Cad=30.7s 30.7zs/pixel Pitch=-88", Yaw=+168"
Event # = 1530 80/11/05,19:42 Start	DOY=310 Peak	End times	SMM Pointing:	N10E10	Pitch=-103", Yaw=+171", Roll=0deg	H. Ang=12deg
Optical			Ha...Class=SB	S09E76	Mac.=EKI	
Optical			Ha...Class=SB	N10E08	Carr. Lon.=99deg	H. Ang=77deg
GOES	19:31	19:51	Importance=M1	Qual=03	Carr. Lon.=167deg	H. Ang=10deg
HXRBS	19:34:40	19:47:15	Peak...c/s=202	Qual=01		
UVSP	18:55		Wavelength=1354A	Code=00		
Radio Sweeps			III/3	Tot Cts=59267	MaxkeV=57	
Radio	Frequency(MHz)/Flux(sfu):		2695/12 4995/10 8800/20 15400/38	Exp #=15496	Rast=180"x180"	Step=10" Pitch=-184", Yaw=+51"
Event # = 1531 80/11/05,21:23 Start	DOY=310 Peak	End times	SMM Pointing:	N10E09	Pitch=-103", Yaw=+152", Roll=0deg	H. Ang=11deg
Optical			Ha...Class=IF	S13E27	Mac.=DAO	
GOES	21:21	21:30	Importance=C3	Qual=03	Carr. Lon.=147deg	H. Ang=32deg
HXRBS	21:23:05	21:23:35	Peak...c/s=69	Qual=01		
UVSP	21:21		Wavelength=1354A	Code=00	MaxkeV=57	
Event # = 1532 80/11/05,21:26 Start	DOY=310 Peak	End times	SMM Pointing:	N10E09	Pitch=-103", Yaw=+152", Roll=0deg	H. Ang=11deg
GOES	21:26:10	21:26:35	Peak...c/s=80	Qual=00		
HXRBS	21:26:10	21:27:10	Wavelength=1354A	Qual=01	MaxkeV=57	
UVSP	21:21			Code=00	Rast=180"x180"	Step=10" Pitch=-129", Yaw=+114"
Event # = 20953 80/11/05,22:11 Start	DOY=310 Peak	End times	SMM Pointing:	N10E08	Pitch=-101", Yaw=+141", Roll=0deg	H. Ang=10deg
GOES	22:11	22:11	CaPeak.c/s=18	Qual=00		
BCS	22:11	22:11	Wavelength=1354A	Qual= 1	FePeak=22:11	XEN=31008
UVSP	22:06			Code=00	Rast=180"x180"	Step=10" Pitch=-129", Yaw=+107"
Event # = 1533 80/11/05,22:29 Start	DOY=310 Peak	End times	SMM Pointing:	N10E08	Pitch=-101", Yaw=+141", Roll=0deg	H. Ang=10deg
Optical			Ha...Class=IB	N11E07	Mac.=FKC	
GOES	22:22	22:30	Importance=M1	Qual=01	Carr. Lon.=166deg	H. Ang=10deg
HXRBS	22:25:40	22:26:30	Peak...c/s=3151	Qual=01		
UVSP	22:27		Wavelength=1354A	Code=00	MaxkeV=272	Flags=M
Radio	Frequency(MHz)/Flux(sfu):		8800/43 15400/140	Tot Cts=62560	Rast=30"x30"	Step=10" Pitch=-120", Yaw=+120"

Event # = 1534
 80/11/05,22:34 Start DOY=310 Peak
 SMM Pointing: N10E08
 Ha...Class=1B End times
 Ha...Class=SF AR2776
 S20E44 AR2782
 Qual=01
 Importance=M4
 Peak...c/s=12730
 Max.E..MeV= 0.5
 CaPeak.c/s=1806
 Peak3...c/s=2123
 Peak...c/s=3569
 Wavelength=1354A Code=00 Exp #=15507
 22:30 22:34
 22:32:10 22:33:05
 22:32:50 22:33:56
 22:25 22:35
 22:36
 22:34
 22:27
 Pitch=-101", Yaw=+141", Roll=0deg
 Mac.=FKC
 Carr.Lon.=166deg
 Carr.Lon.=129deg
 H.Ang=10deg
 H.Ang=10deg
 H.Ang=49deg
 MaxkeV=272
 >10MeV=N
 FePeak.c/s=899
 Rast=0"x0"
 dt= 3.2s
 Step=0"
 Cad= 156s
 Dur=66sec
 XEN=31001
 156.2s/pixel
 Step=10"
 Pitch=-120", Yaw=+120"

Event # = 1535
 80/11/05,22:58 Start DOY=310 Peak
 SMM Pointing: N10E08
 Ha...Class=SB
 Ha...Class=SN
 Importance=C9
 Peak...c/s=95
 Wavelength=1354A Code=00 Exp #=15508
 22:57 22:58
 22:57:40 22:58:00
 22:57:40 22:58:35
 22:37
 Pitch=-101", Yaw=+141", Roll=0deg
 Mac.=EKI
 Carr.Lon.=101deg
 Carr.Lon.=194deg
 H.Ang=10deg
 H.Ang=73deg
 H.Ang=26deg
 MaxkeV=57
 Rast=180"x180"
 Step=10"
 Pitch=-129", Yaw=+103"

Event # = 1536
 80/11/05,23:01 Start DOY=310 Peak
 SMM Pointing: N10E08
 Ha...Class=SN
 Importance=C7
 Peak...c/s=447
 Wavelength=1354A Code=00 Exp #=15508
 23:00 23:01
 23:01:05 23:01:20
 23:01:50
 22:37
 Pitch=-101", Yaw=+141", Roll=0deg
 Mac.=EKI
 Carr.Lon.=105deg
 H.Ang=10deg
 H.Ang=69deg
 MaxkeV=132
 Rast=180"x180"
 Step=10"
 Pitch=-129", Yaw=+103"

Event # = 1537
 80/11/05,23:47 Start DOY=310 Peak
 SMM Pointing: N10E08
 Ha...Class=SN
 Importance=C8
 Peak...c/s=110
 Peak...c/s=195
 Wavelength=1354A Code=00 Exp #=15512
 23:42 23:47
 23:45:10 23:47:20
 23:47:50
 23:44
 4995/17 8800/30 15400/27
 Pitch=-99", Yaw=+127", Roll=0deg
 Mac.=FKC
 Carr.Lon.=165deg
 H.Ang=10deg
 H.Ang=9deg
 MaxkeV=57
 Rast=180"x180"
 Step=10"
 Pitch=-129", Yaw=+93"

Event # = 1538
 80/11/05,23:53 Start DOY=310 Peak
 SMM Pointing: N10E08
 Ha...Class=SN
 Importance=C8
 Peak...c/s=85
 CaPeak.c/s=100
 Peak3...c/s=345
 Wavelength=1354A Code=00 Exp #=15513
 23:51 23:53
 23:53:00 23:53:25
 23:54 23:54
 23:56
 23:47
 Pitch=-99", Yaw=+127", Roll=0deg
 H.Ang=10deg
 MaxkeV=57
 Rast=120"x120"
 Rast=30"x30"
 dt= 3.2s
 Step=15"
 Step=10"
 #Peaks=3
 Cad=65.5s
 Step=10"
 Pitch=-88", Yaw=+140"
 XEN=31009
 1.024s/pixel

Event #	Start	End times	SMM Pointing:	DOY=311	80/11/06	DOY=311	Pitch	Roll	Yaw	H. Ang
1539	80/11/06,00:28	00:31	Ha...Class=SB	N10E08	100	100	-99"	0deg	+127"	10deg
Optical			Ha...Class=SF							
GOES	00:25	00:31	Importance=C8							
HXRBS	00:26:25	00:30:15	Qual=01							
UVSP	23:57		WaveLength=1354A							
1540	80/11/06,01:11	01:22	Ha...Class=SN	N10E08	100	100	-99"	0deg	+127"	10deg
Optical			Importance=M1							
HXRBS	01:08	01:11	Qual=05							
BCS	01:15:35	01:18:30	Qual=01							
FCS	01:16	01:42	CaPeak.c/s=130							
HXIS	01:20		Peak3..c/s=537							
UVSP	01:17		Peak...c/s=235							
Radio			WaveLength=1347A							
			4995/32 8800/57 15400/47							
1541	80/11/06,01:55	02:21	Ha...Class=SN	N10E07	100	100	-101"	0deg	+117"	9deg
Optical			Importance=M3							
GOES	01:29	01:55	CaPeak.c/s=1072							
HXRBS	01:28:25	01:47:30	Qual=01							
BCS	01:51	01:52	CaPeak.c/s=21							
FCS	01:51	01:52	Peak3..c/s=112							
UVSP	01:19		WaveLength=1351A							
BCS	01:44	01:49	Associated							
FCS	01:44		Qual=1							
BCS	01:55	01:57	Associated							
FCS	01:55		Qual=1							
BCS	02:01	02:01	Associated							
			Qual=1							
20957	80/11/06,02:13	02:15	CaPeak.c/s=18	N10E07	100	100	-101"	0deg	+117"	9deg
Optical			CaPeak.c/s=87							
GOES	02:11	02:13	Peak3..c/s=144							
BCS	02:11	02:13	Qual=00							
FCS	02:13		Qual=3							
UVSP	02:09		WaveLength=1354A							

Event # = 20454		SMM Pointing:		N10E06		Pitch=-101", Yaw=+97", Roll=0deg		H. Ang=8deg	
80/11/06, 02:55	DOY=311	End times	Qual=00		FePeak=02:54		#Peaks=2		dt= 3.2s
Start	Peak	03:10	Qual=1		Exp # = 15522		Carr. Lon. = 193deg		XEN=31113
GOES 02:52	02:55	03:10	CaPeak.c/s=71		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
BCS 03:04	03:04	03:10	Peak3..c/s=191		Exp # = 15522		Rast=240" x 240"		Pitch=-162", Yaw=+29"
FCS 02:55	02:55	03:10	Peak...c/s=152		Exp # = 15522		Rast=240" x 240"		Pitch=-162", Yaw=+29"
HXIS 02:52	02:52	03:10	Wave length=3085A		Exp # = 15522		Rast=240" x 240"		Pitch=-162", Yaw=+29"
UVSP 02:52	02:52	03:10	Wave length=3085A		Exp # = 15522		Rast=240" x 240"		Pitch=-162", Yaw=+29"
Event # = 1542		SMM Pointing:		N10E06		Pitch=-101", Yaw=+97", Roll=0deg		H. Ang=8deg	
80/11/06, 03:25	DOY=311	End times	Qual=00		FePeak=03:22		Carr. Lon. = 193deg		XEN=31116
Start	Peak	03:28	Qual=01		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
Optical		03:28	Qual=01		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
GOES 03:20	03:25	03:28	Ha...Class=SF		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
HXRBS 03:22:05	03:22:50	03:28	Importance=C3		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
BCS 03:22	03:22	03:29	Peak...c/s=74		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
FCS 03:25	03:25	03:29	CaPeak.c/s=25		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
UVSP 03:21	03:25	03:29	Peak3..c/s=119		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
			Wave length=1542A		Exp # = 15522		Rast=180" x 180"		1.024s/pixel
Event # = 1543		SMM Pointing:		N10E06		Pitch=-101", Yaw=+97", Roll=0deg		H. Ang=8deg	
80/11/06, 03:52	DOY=311	End times	Qual=00		FePeak=06:24		Carr. Lon. = 191deg		H. Ang=73deg
Start	Peak	05:33	Qual=02		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
Optical		05:33	Qual=02		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
GOES 03:29	03:52	05:33	Ha...Class=2B		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
HXRBS 03:24:10	03:48:00	05:33	Ha...Class=SF		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
GRS 03:44:40	03:46:35	05:33	Importances=X9		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
BCS 06:24	06:24	07:02	Peak...c/s=155347		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
FCS 06:41	06:41	07:02	Qual=13		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
HXIS 06:25	06:25	07:02	Max.E.MeV= 1.0		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
UVSP 03:40	06:25	07:02	CaPeak.c/s=267		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
			Peak3..c/s=384		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
Radio Sweeps			Peak...c/s=403		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
Radio Frequency (MHz)/Flux(sfu):	Type/Intensity:		Wave length=1549A		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
11/3 111/3 1V/3	11/3 111/3 1V/3		Code=00		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
245/510 410/92000	245/510 410/92000		1415/610 2695/1600 4995/3000 8800/4400 15400/12000		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
BCS 04:52	04:53	04:54	Associated		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
UVSP 04:43	04:53	04:54	Qual=1		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
			CaPeak.c/s=19		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
			Wave length=1549A		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
BCS 05:02	05:04	05:09	Associated		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
FCS 05:02	05:02	05:09	Qual=1		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
UVSP 04:43	05:02	05:09	CaPeak.c/s=26		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
			Peak3..c/s=106		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
			Wave length=1549A		Exp # = 15522		Rast=420" x 420"		H. Ang=21deg
Event # = 20456		SMM Pointing:		N10E05		Pitch=-105", Yaw=+87", Roll=0deg		H. Ang=8deg	
80/11/06, 05:04	DOY=311	End times	Qual=00		FePeak=05:04		Carr. Lon. = 162deg		H. Ang=10deg
Start	Peak	05:04	Qual=00		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
Optical		05:04	Qual=00		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
GOES 04:43	05:04	05:04	Ha...Class=1N		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
HXRBS 04:43	05:04	05:04	Ha...Class=1N		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
BCS 04:43	05:04	05:04	Peak...c/s=80		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
FCS 04:43	05:04	05:04	Wave length=1549A		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg
UVSP 04:43	05:04	05:04	Wave length=1549A		Exp # = 15522		Rast=180" x 180"		H. Ang=45deg

Event # = 1544																		
80/11/06,06:32	DOY=311											Pitch=+255",Yaw=+888",Roll=0deg		H.Ang=72deg				
Start	Peak			SMM Pointing:														
Optical				S14E71														
GOES 06:26	06:32			Ha...Class=1B	S22E42													
HXRBS 06:26:40	06:27:25	06:31:45		Importance=M1	Qual=01													
UVSP 06:26				Peak...c/s=172	Qual=01													
Radio	Frequency(MHz)/Flux(sfu):			245/70	606/39	1415/27	2695/29	4995/31	8800/27	15400/31								
Step=10"	Pitch=+236"	Yaw=+931"																
Event # = 1545																		
80/11/06,06:56	DOY=311																	
Start	Peak			SMM Pointing:														
Optical				S14E71														
GOES 06:48	06:56	07:22		Ha...Class=1B	N09E03													
HXRBS 06:47:30	06:50:55	06:58:10		Importance=M3	Qual=01													
UVSP 06:36				Peak...c/s=2613	Qual=01													
				Wave length=1354A	Code=00													
Tot	Cts=2.37E+5																	
Exp	#=15536																	
Step=10"	Pitch=+255"	Yaw=+888"	Roll=0deg															
Mac.=EKC																		
Carr. Lon.=166deg																		
Flags=M																		
MaxkeV=272																		
Rast=180"x180"	Step=10"	Pitch=+227"	Yaw=+856"															
Event # = 20457																		
80/11/06,08:06	DOY=311																	
Start	Peak			SMM Pointing:														
Optical				S14E70														
GOES 08:02	08:06	08:12		Ha...Class=SF	S18W78													
BCS 08:05	08:05	08:38		Importance=C4	Qual=01													
FCS 08:07	08:07			CaPeak.c/s=123	Qual= 5													
HXIS 08:07	08:06			Peak3...c/s=183														
UVSP 08:07	08:06			Peak...c/s=171														
				Wave length=1347A	Code=02													
Tot	Cts=15537																	
Exp	#=15537																	
Step=10"	Pitch=+254"	Yaw=+885"	Roll=0deg															
Carr. Lon.=246deg																		
#Peaks=1																		
XEN=31127																		
Step=0"	Cad=30.7s																	
30.72s/pixel																		
Rast=10"x10"	Step=0"	Pitch=+228"	Yaw=+851"															
Event # = 1546																		
80/11/06,09:50	DOY=311																	
Start	Peak			SMM Pointing:														
Optical				S14E70														
GOES 09:48	09:50	09:52		Importance=C4	Qual=01													
HXRBS 09:50:15	09:50:30	09:52:35		Peak...c/s=188	Qual=01													
UVSP 09:44				Wave length=1354A	Code=00													
Tot	Cts=2100																	
Exp	#=15544																	
Step=10"	Pitch=+254"	Yaw=+885"	Roll=0deg															
MaxkeV=132																		
Rast=180"x180"	Step=10"	Pitch=+214"	Yaw=+847"															
Event # = 4305																		
80/11/06,10:12	DOY=311																	
Start	Peak			SMM Pointing:														
Optical				S14E70														
GOES 10:00	10:12	10:16		Importance=C7	Qual=03													
HXRBS 10:00:35	10:01:05	10:01:20		Peak...c/s=71	Qual=01													
UVSP 10:08				Wave length=1354A	Code=00													
Tot	Cts=15545																	
Exp	#=15545																	
Step=10"	Pitch=+254"	Yaw=+885"	Roll=0deg															
Flags=I																		
MaxkeV=57																		
Rast=30"x30"	Step=10"	Pitch=+206"	Yaw=+893"															
Event # = 20458																		
80/11/06,10:12	DOY=311																	
Start	Peak			SMM Pointing:														
Optical				S14E70														
GOES 10:08	10:12	10:20		Importance=C7	Qual=02													
BCS 09:45	10:12	10:14		Peak.c/s=196	Qual= 1													
FCS 10:13	10:13			Peak3...c/s=404														
HXIS 10:10	10:10			Peak...c/s=344														
UVSP 10:08				Wave length=1354A	Code=00													
Tot	Cts=15548																	
Exp	#=15545																	
Step=10"	Pitch=+254"	Yaw=+885"	Roll=0deg															
FePeak.c/s=36																		
XEN=31128																		
Step=15"	Cad=65.5s																	
1.024s/pixel																		
Rast=120"x120"	Step=10"	Pitch=+206"	Yaw=+893"															

Event # = 4390
80/11/07, 01:52 Start D0Y=312 Peak
SMM Pointing: S14E61
H.A...Class=Sf H.A...Importance=M1
G0ES 01:41 01:52 01:57 01:57
HXRBS 01:49:40 01:50:40 01:52:40
BCS 01:12 01:51 02:10
FCS 01:48
HXIS 01:49
UVSP 01:49
Radio Frequency (MHz)/Flux(sfu):
Code=00 Exp # = 15606
Wavelength = 1550A
2695/26 4995/22 8800/23
Associated
Event # = 4388
Qual=01
HXRBS 01:41:50 01:42:30 01:45:05 Peak...c/s=98
Associated
Event # = 4389
Qual=01
HXRBS 01:45:35 01:46:25 01:48:15 Peak...c/s=139

Event # = 1563
80/11/07, 02:08 Start D0Y=312 Peak
SMM Pointing: S14E61
H.A...Class=2B N07M11
Importance=X2 Qual=03
G0ES 01:59 02:08 03:07 03:07
HXRBS 02:00:09 02:04:55 02:11:10
GRS 02:04:12 Max.E..MeV= 1.0
UVSP 01:34 Wavelength=1550A Code=00
Exp # = 15606
Radio Sweeps Type/Intensity:
1/2
Radio Frequency (MHz)/Flux(sfu):
Code=00 Exp # = 4391
Associated
Event # = 4391
Qual=01
HXRBS 01:56:35 01:57:40 01:59:10 Peak...c/s=291

Event # = 1564
80/11/07, 03:35 Start D0Y=312 Peak
SMM Pointing: S14E61
H.A...Class=1F S11E57
Importance=Sf N08W09
G0ES 03:29 03:35 03:40 03:40
HXRBS 03:32:15 03:33:40 03:35:50
BCS 02:48 03:33 03:47
FCS 03:33
HXIS 03:32
UVSP 02:57
Wavelength=1549A Code=00
Exp # = 15610
Radio Sweeps Type/Intensity:
1/2
Radio Frequency (MHz)/Flux(sfu):
Code=00 Exp # = 4391
Associated
Event # = 4391
Qual=01
HXRBS 01:56:35 01:57:40 01:59:10 Peak...c/s=291

Event # = 1565
80/11/07, 04:58 Start D0Y=312 Peak
SMM Pointing: S14E59
H.A...Class=SN S10E57
Importance=W2 Qual=01
G0ES 04:44 04:58 05:14 05:14
HXRBS 04:37:35 04:54:30 05:06:40
BCS 04:37 04:58 05:22
FCS 05:00
HXIS 04:57
Wavelength=1549A Code=00
Exp # = 15610
Radio Sweeps Type/Intensity:
1/2
Radio Frequency (MHz)/Flux(sfu):
Code=00 Exp # = 4391
Associated
Event # = 4391
Qual=01
HXRBS 01:56:35 01:57:40 01:59:10 Peak...c/s=291

Event # = 1566			
80/11/07,05:22	DOY=312	SMM Pointing:	S14E59
Start	Peak		
Optical		Ha...Class=SF	
GOES 05:15	05:22	Importance=C6	AR2776
HXRBS 05:16:20	05:16:40	Peak...c/s=99	Qual=01
UVSP 06:21		Wavelength=1348A	Exp #=15612
Event # = 1567			
80/11/07,06:54	DOY=312	SMM Pointing:	S14E58
Start	Peak		
Optical		Ha...Class=SN	
GOES 06:51	06:54	Ha...Class=IF	AR2779
HXRBS 06:51:10	06:54:45	Importance=C6	AR2776
BCS 06:20	06:55	Peak...c/s=70	Qual=02
FCS	06:54	CaPeak...c/s=95	Qual=01
HXIS	06:58	Peak3...c/s=345	Qual= 1
UVSP 06:29	06:58	Peak...c/s=147	
		Wavelength=1353A	Code=00
			Exp #=15614
Event # = 1568			
80/11/07,08:08	DOY=312	SMM Pointing:	S14E58
Start	Peak		
GOES 08:07	08:08	Importance=C6	Qual=01
HXRBS 08:07:55	08:08:20	Peak...c/s=226	Qual=01
BCS 08:00	08:00	CaPeak.c/s=21	Qual= 5
FCS 08:01	08:01	Peak3...c/s=17	
HXIS 08:04	08:10	Peak...c/s=128	
UVSP		Wavelength=1353A	Code=00
			Exp #=15617
Event # = 1569			
80/11/07,08:12	DOY=312	SMM Pointing:	S14E58
Start	Peak		
GOES 08:10	08:30	Importance=C6	Qual=01
HXRBS 08:12:10	08:12:25	Peak...c/s=102	Qual=01
BCS 08:04	08:13	CaPeak.c/s=82	Qual= 1
FCS 08:15	08:27	Peak3...c/s=279	
UVSP 08:04		Wavelength=1353A	Code=00
			Exp #=15617
		Associated	Event # = 1570
HXRBS 08:17:35	08:17:45	Qual=01	Tot Cts=260
		Associated	Event # = 20962
BCS 08:29	08:30	Qual= 1	FePeak=08:29
FCS 08:30	08:31		
		Associated	Event # = 20996
BCS 08:29	08:30	Qual= 1	FePeak=08:29
FCS 08:30	08:31		

Event # = 20462
 80/11/07, 09:40 Start DOY=312 Peak S14E57 SMM Pointing: H. Ang=59deg
 Optical End times Pitch=+269", Yaw=+785", Roll=0deg
 GOES 09:36 09:51 Ha...Class=SB S06E59 Carr. Lon.=95deg H. Ang=60deg
 BCS 09:41 10:00 Importance=M1 Qual=04 #Peaks=1 XEN=31201
 FCS 09:45 09:45 CaPeak.c/s=551 Qual=5 FePeak=09:41 Step=0" Cad=1.54s 1.536s/pixel
 HXIS 09:40 09:40 Peak3..c/s=1263 Rast=0"x0" Rast=3"x3" Step=0" Pitch=+224", Yaw=+768"
 UVSP 09:40 09:40 Peak...c/s=427 Wavelength=1346A Code=02 Exp #=15618
 Radio Frequency(MHz)/Flux(sfu): 2695/14 8800/110 15400/76

Event # = 1571
 80/11/07, 10:01 Start DOY=312 Peak S14E57 SMM Pointing: H. Ang=59deg
 GOES 10:00:40 10:01:25 10:01:50 End times Pitch=+269", Yaw=+785", Roll=0deg
 HXRBS 10:00:40 10:01:25 10:01:50 Peak...c/s=88 Qual=00
 UVSP 09:47 10:01:25 10:01:50 Wavelength=1353A Qual=01
 Exp #=15620

Event # = 1572
 80/11/07, 10:07 Start DOY=312 Peak S14E57 SMM Pointing: H. Ang=59deg
 GOES 10:05 10:14 10:14 End times Pitch=+269", Yaw=+785", Roll=0deg
 HXRBS 10:07:35 10:07:55 10:08:15 Importance=C1 Qual=01
 BCS 10:07 10:09 10:10 Peak...c/s=154 Qual=01
 FCS 10:07 10:09 10:10 CaPeak.c/s=26 Qual=1
 UVSP 09:47 10:10 10:10 Peak3..c/s=31 Code=00 Exp #=15620
 Radio Frequency(MHz)/Flux(sfu): 8800/35
 MaxkeV=57
 Rast=60"x60" Step=3" Pitch=+198", Yaw=+807"
 MaxkeV=57
 FePeak.c/s=6
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Pitch=+198", Yaw=+807"
 Flags=M
 #Peaks=1
 Step=3"

Event # = 20963
 80/11/07, 10:49 Start DOY=312 Peak S14E56 SMM Pointing: H. Ang=58deg
 GOES 10:45 10:52 10:52 End times Pitch=+267", Yaw=+779", Roll=0deg
 BCS 10:47 10:47 10:47 Importance=C5 Qual=02
 UVSP 11:15 10:47 10:47 CaPeak.c/s=22 Qual=1
 Wavelength=1346A
 FePeak=10:47
 Exp #=15621

Event # = 20964
 80/11/07, 11:18 Start DOY=312 Peak S14E56 SMM Pointing: H. Ang=58deg
 GOES 11:10 11:25 11:25 End times Pitch=+267", Yaw=+779", Roll=0deg
 BCS 11:20 11:20 11:23 Importance=C5 Qual=05
 FCS 11:20 11:23 CaPeak.c/s=29 Qual=1
 UVSP 11:19 11:23 Peak3..c/s=179 Code=02 Exp #=15622
 Wavelength=1350A
 FePeak.c/s=7
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 Pitch=+198", Yaw=+739"

Event # = 1573
 80/11/07, 11:38 Start DOY=312 Peak S14E56 SMM Pointing: H. Ang=58deg
 Optical End times Pitch=+267", Yaw=+779", Roll=0deg
 GOES 11:32 11:38 11:52 Ha...Class=SB S11E50 Carr. Lon.=103deg H. Ang=52deg
 HXRBS 11:32:40 11:34:40 11:41:00 Ha...Class=1B N08W12 Qual=03
 BCS 11:25 11:37 11:45 Importance=M1 Qual=01
 FCS 11:41 11:41 11:45 Peak...c/s=365 Qual=01
 HXIS 11:38 11:41 11:45 CaPeak.c/s=392 Qual=1
 UVSP 11:38 11:35 11:35 Peak3..c/s=349 Code=02 Exp #=15631
 Wavelength=1353A
 Peak...c/s=796
 Wavelength=1353A
 #Peaks=1
 dt= 6.5s XEN=31259
 Cad=65.5s 1.024s/pixel
 Step=15" Cad=65.5s
 Step=3" Pitch=+227", Yaw=+748"

Event # = 20971		DOY=312		SMM Pointing:		S14E53		Pitch=+271", Yaw=+753", Roll=0deg		H. Ang=56deg	
80/11/07, 16:33	Start	16:33	Peak	CaPeak.c/s=24	Qual=00	16:33	End times	FePeak.c/s=7	#Peaks=1	XEN=31230	
GOES				WaveLength=1354A				Rast=180"x180"	Step=10"	Pitch=+223", Yaw=+720"	
BCS	16:32	17:13	17:19								
UVSP	15:50	17:13:00	17:13:15								
Event # = 1580		DOY=312		SMM Pointing:		S14E52		Pitch=+269", Yaw=+746", Roll=0deg		H. Ang=55deg	
80/11/07, 17:13	Start	17:11	Peak	CaPeak.c/s=26	Qual=1	17:11	End times	Mac.=DSI	Carr.Lon.=165deg	H. Ang=21deg	
Optical				WaveLength=1347A					Carr.Lon.=100deg	H. Ang=52deg	
GOES	17:09	17:13	17:19								
HXRBS	17:13:00	17:13:15	17:13:40								
BCS	17:14	17:14	17:16								
UVSP	17:12	17:14	17:16								
Event # = 1581		DOY=312		SMM Pointing:		S14E52		Pitch=+269", Yaw=+746", Roll=0deg		H. Ang=55deg	
80/11/07, 17:39	Start	17:22	Peak	CaPeak.c/s=23	Qual=1	17:22	End times	Mac.=FKC	Carr.Lon.=167deg	H. Ang=18deg	
Optical											
GOES	17:20	17:39	17:50								
HXRBS	17:26:10	17:33:20	18:04:10								
BCS	17:35	17:35	17:35								
UVSP	17:12	17:35	17:35								
Radio	Frequency (MHz)/Flux(sfu):	245/140	2695/110								
Event # = 20977		DOY=312		SMM Pointing:		S14E52		Pitch=+269", Yaw=+746", Roll=0deg		H. Ang=55deg	
80/11/07, 17:53	Start	17:53	Peak	CaPeak.c/s=30	Qual=00	17:53	End times	MaxkeV=272	Flags=M, DG	XEN=31260	
GOES				WaveLength=1354A				FePeak.c/s=6	#Peaks=1	XEN=31261	
BCS	17:52	17:53	17:55					Rast=180"x180"	Step=10"	Pitch=+231", Yaw=+712"	
UVSP	17:12	17:53	17:55								
Event # = 20978		DOY=312		SMM Pointing:		S14E52		Pitch=+269", Yaw=+746", Roll=0deg		H. Ang=55deg	
80/11/07, 17:56	Start	17:56	Peak	CaPeak.c/s=26	Qual=1	17:56	End times	FePeak.c/s=7	#Peaks=1	XEN=31262	
GOES								Rast=180"x180"	Step=10"	Pitch=+231", Yaw=+712"	
BCS	17:56	17:56	17:57								
UVSP	17:12	17:56	17:57								

Event # = 20467 80/11/07 17:59 Optical GOES BCS HXIS UVSP	Start 17:56 17:12	End times 18:06	SMM Pointing: Ha...Class=SF CaPeak.c/s=50 Peak...c/s=64 Wavelength=1354A	S14E52 N04W25 Qual=00	AR2775 Exp #=15666	Pitch=+269",Yaw=+746",Roll=0deg Mac.=HSX Rast=180"x180" Step=10" Pitch=+231",Yaw=+712"	H.Ang=55deg H.Ang=25deg
Event # = 1582 80/11/07 18:50 GOES HXRBS BCS FCS UVSP	Start 18:49:30 18:50 18:50 18:47	End times 18:50:50 18:51	SMM Pointing: Peak...c/s=71 CaPeak.c/s=21 Peak3...c/s=21 Wavelength=1546A	S14E51 Qual=00 Qual=01 Qual=1	FePeak=18:50 Exp #=15669	Pitch=+274",Yaw=+735",Roll=0deg MaxkeV=57 FePeak.c/s=9 #Peaks=1 XEN=31251 Rast=240"x240" Step=15" Cad= 262s 1.024s/pixel Rast=3"x3" Pitch=+232",Yaw=+704"	H.Ang=54deg
Event # = 1583 80/11/07 18:57 GOES HXRBS UVSP	Start 18:57:00 18:52	End times 18:59:00	SMM Pointing: Peak...c/s=62 Wavelength=1550A	S14E51 Qual=00 Qual=01	Exp #=15670	Pitch=+274",Yaw=+735",Roll=0deg MaxkeV=57 Rast=240"x240" Step=3" Pitch=+214",Yaw=+670"	H.Ang=54deg
Event # = 20979 80/11/07 19:44 GOES BCS UVSP	Start 19:30 19:29 19:06	End times 19:51 19:44	SMM Pointing: Importance=C4 CaPeak.c/s=20 Wavelength=1550A	S14E51 Qual=03 Qual=2	FePeak=19:40 Exp #=15672	Pitch=+274",Yaw=+735",Roll=0deg FePeak.c/s=5 #Peaks=2 XEN=31253 Rast=30"x30" Step=3" Pitch=+179",Yaw=+772"	H.Ang=54deg
Event # = 1584 80/11/07 20:33 Optical GOES HXRBS UVSP	Start 20:29 20:32:45 20:31	End times 20:39 20:33:00 20:33:45	SMM Pointing: Ha...Class=SN Importance=C4 Peak...c/s=80 Wavelength=1353A	S14E50 N08W19 Qual=01 Qual=01 Code=00	AR2776 Exp #=15678	Pitch=+274",Yaw=+726",Roll=0deg Mac.=FKC MaxkeV=57 Rast=4"x4" Step=0" Pitch=+197",Yaw=+775"	H.Ang=53deg H.Ang=19deg
Event # = 6831 80/11/07 20:57 GOES HXRBS UVSP	Start 20:53:34 20:31	End times 21:15:41	SMM Pointing: Peak...c/s=62 Wavelength=1353A	S14E50 Qual=06 Qual=01	Tot Cts=7150 Exp #=15678	Pitch=+274",Yaw=+726",Roll=0deg MaxkeV=57 Rast=4"x4" Step=0" Pitch=+197",Yaw=+775"	H.Ang=53deg
Event # = 20468 80/11/07 21:14 GOES BCS FCS HXIS UVSP	Start 21:00 20:22 21:17 21:14 20:31	End times 21:20 21:20	SMM Pointing: Importance=C9 CaPeak.c/s=392 Peak3...c/s=253 Peak...c/s=700 Wavelength=1353A	S14E50 Qual=03 Qual=1	FePeak=21:11 Exp #=15678	Pitch=+274",Yaw=+726",Roll=0deg FePeak.c/s=58 #Peaks=2 dt= 6.3s XEN=31248 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel Rast=4"x4" Step=0" Pitch=+197",Yaw=+775"	H.Ang=53deg

Event # = 6828	DOY=312	SMM Pointing:	S12E50	Pitch=+240", Yaw=+724", Roll=0deg	H. Ang=52deg
80/11/07 22:00	Peak	End times	Qual=06		
GOES	21:57:33	22:00:30 22:39:36	Qual=02	MaxkeV=57	Flags=I, SN
HXRBS	21:58		WaveLength=1348A	Rast=4"x4"	Step=0" Pitch=+164", Yaw=+772"
UVSP					
Event # = 6829					
80/11/07 22:19	DOY=312	SMM Pointing:	S12E50	Pitch=+240", Yaw=+724", Roll=0deg	H. Ang=52deg
GOES	22:19:14	22:19:30 22:19:46	Qual=06		
HXRBS	22:14		Qual=01	MaxkeV=81	Flags=I
UVSP			Peak...c/s=252	Rast=4"x4"	Step=0" Pitch=+228", Yaw=+725"
			WaveLength=1353A		
Event # = 1586					
80/11/07 22:32	DOY=312	SMM Pointing:	S12E50	Pitch=+240", Yaw=+724", Roll=0deg	H. Ang=52deg
Optical	22:25	22:32 22:40	Ha...Class=SF	Mac.=FKC	Carr. Lon.=99deg
Optical	22:25		Ha...Class=SB		Carr. Lon.=165deg
GOES	22:26:00	22:27:25 22:34:10	Importance=M1	MaxkeV=57	
HXRBS	22:31	22:31	Peak...c/s=78	Rast=180"x180"	Step=15" Cad= 148s
BCS	23:33		CaPeak.c/s=700		
FCS			Peak3...c/s=1170		
HXIS			Peak...c/s=363		
UVSP	22:23:50	22:24:15 22:24:40	WaveLength=1353A		Step=0" Pitch=+228", Yaw=+725"
HXRBS			Associated	MaxkeV=57	
			Qual=01		
Event # = 20980					
80/11/07 23:34	DOY=312	SMM Pointing:	S12E50	Pitch=+240", Yaw=+724", Roll=0deg	H. Ang=52deg
GOES	23:33	23:34 00:31	Qual=00		
BCS	23:36		Qual= 5	FePeak.c/s=18	#Peaks=1
FCS			CaPeak.c/s=227	Rast=240"x240"	Step=15" Cad= 262s
UVSP			Peak3...c/s=326	Rast=10"x10"	Step=0" Pitch=+229", Yaw=+718"
			WaveLength=1347A		
Event # = 1587					
80/11/08 01:22	DOY=313	SMM Pointing:	S12E48	Pitch=+244", Yaw=+703", Roll=0deg	H. Ang=50deg
Optical	01:16	01:22 01:30	N10W19	Mac.=EKC	Carr. Lon.=164deg
GOES	01:18:15	01:19:25 01:23:15	Qual=01	MaxkeV=132	Flags=M
HXRBS	01:09	01:23 01:38	Qual=01	FePeak.c/s=27	#Peaks=2
BCS	01:33		Qual= 1	Rast=120"x120"	Step=15" Cad=65.5s
FCS	01:21		CaPeak.c/s=115		dt= 6.3s
HXIS			Peak3...c/s=253		XEN=31393
UVSP	01:11		Peak...c/s=164	Rast=180"x180"	Step=10" Pitch=+217", Yaw=+637"
Radio			WaveLength=1354A		
			Code=00		
			Exp #=15693		
			4995/120 8800/210 15400/130		

Event # = 1606		SMM Pointing: S12E32		Pitch=+252", Yaw=+508", Roll=0deg		H. Ang=36deg	
80/11/09, 06:35	DOY=314	Start	End times				
GOES 06:30	Peak 06:35	06:40	06:40				
HXRBS 06:35:25	06:35:50	06:36:20	06:36:20				
BCS 06:35	06:37	06:39	06:39	FePeak=06:37			
FCS 06:35	06:37						
UVSP 05:54	06:37			Exp #=15785			
Event # = 21019		SMM Pointing: S12E32		Pitch=+252", Yaw=+508", Roll=0deg		H. Ang=36deg	
80/11/09, 06:43	DOY=314	Start	End times				
GOES 06:40	Peak 06:43	06:58	06:58				
BCS 06:41	06:43	06:45	06:45	FePeak=06:43			
FCS 06:41	06:43						
UVSP 05:54	06:43			Exp #=15785			
Event # = 21020		SMM Pointing: S12E32		Pitch=+253", Yaw=+498", Roll=0deg		H. Ang=35deg	
80/11/09, 08:05	DOY=314	Start	End times				
GOES 07:59	Peak 08:05	08:12	08:12				
BCS 08:04	08:04	08:05	08:05	FePeak=08:05			
FCS 08:04	08:05						
UVSP 07:48	08:05			Exp #=15788			
Event # = 1608		SMM Pointing: S12E32		Pitch=+253", Yaw=+498", Roll=0deg		H. Ang=35deg	
80/11/09, 08:21	DOY=314	Start	End times				
GOES 08:17	Peak 08:21	08:23	08:23				
HXRBS 08:19:40	08:20:10	08:21:30	08:21:30				
UVSP 07:48	08:20:10			Exp #=15788			
Radio Frequency (MHz)/Flux (sfu):	410/16						
Associated Event # = 1607							
HXRBS 08:17:45	08:18:20	08:18:35	08:18:35	Qual=01			
Event # = 20473		SMM Pointing: S12E31		Pitch=+255", Yaw=+482", Roll=0deg		H. Ang=34deg	
80/11/09, 09:54	DOY=314	Start	End times				
Optical 09:49	Peak 09:54	09:59	09:59				
GOES 09:46	09:53	10:02	10:02	AR2782			
BCS 09:46	09:53						
FCS 09:46	09:54			FePeak=09:53			
UVSP 09:42	09:54			Exp #=15793			
Event # = 1609		SMM Pointing: S12E30		Pitch=+254", Yaw=+468", Roll=0deg		H. Ang=33deg	
80/11/09, 11:34	DOY=314	Start	End times				
GOES 11:30	Peak 11:34	11:39	11:39				
HXRBS 11:32:10	11:34:05	11:35:20	11:35:20	Tot Cts=3040			
UVSP 11:09	11:34:05			Exp #=15796			
Radio Frequency (MHz)/Flux (sfu):	245/170						

Event # = 1617		80/11/09, 19:29		DOY=314		SMM Pointing:		S12E26		Pitch=+255", Yaw=+409", Roll=0deg		H. Ang=30deg	
Optical	Start	End times	Peak	Ha...Class=IM	N08W46	AR2776	Mac. =DKC	Carr. Lon. =168deg	H. Ang=46deg				
Optical	19:12	19:40	19:29	Ha...Class=SF	N04W51	AR2775		Carr. Lon. =173deg	H. Ang=51deg				
GOES	19:11:05	19:13:05	19:12:05	Importance=C6	Qual=01		MaxkeV=57	#Peaks=1	XEN=31434				
HXRBS	19:13	19:14	19:13	CaPeak...c/s=222	Qual=1		FePeak=19:13	Step=3"	Pitch=+280", Yaw=+311"				
BCS	18:45			WaveLength=1353A	Code=00		Rast=60"x60"						
UVSP				Associated			MaxkeV=57						
HXRBS	19:15:05	19:24:25	19:21:10	Peak...c/s=111	Qual=01								
HXRBS	19:28:00	19:29:35	19:28:55	Peak...c/s=130	Qual=01								
Event # = 1620		80/11/09, 20:33		DOY=314		SMM Pointing:		S12E25		Pitch=+257", Yaw=+394", Roll=0deg		H. Ang=29deg	
GOES	20:31	20:38	20:33	Importance=C2	Qual=01		MaxkeV=57						
HXRBS	20:32:25	20:34:55	20:33:25	Peak...c/s=63	Qual=01		Rast=60"x60"	Step=3"	Pitch=+248", Yaw=+275"				
UVSP	20:22			WaveLength=1353A	Code=00								
Radio Sweeps		Type/Intensity:		V/1									
Event # = 1621		80/11/09, 20:53		DOY=314		SMM Pointing:		S12E25		Pitch=+257", Yaw=+394", Roll=0deg		H. Ang=29deg	
GOES	20:52	20:53:25	20:53:25	Qual=00			MaxkeV=57						
HXRBS	20:22			Qual=01			Rast=60"x60"	Step=3"	Pitch=+248", Yaw=+275"				
UVSP				WaveLength=1353A									
Event # = 1622		80/11/09, 20:55		DOY=314		SMM Pointing:		S12E25		Pitch=+257", Yaw=+394", Roll=0deg		H. Ang=29deg	
GOES	20:54	20:57	20:55	Importance=C1	Qual=01		MaxkeV=57						
HXRBS	20:54:45	20:55:35	20:55:00	Peak...c/s=87	Qual=01		Rast=60"x60"	Step=3"	Pitch=+248", Yaw=+275"				
UVSP	20:22			WaveLength=1353A	Code=00								
Event # = 21029		80/11/09, 21:49		DOY=314		SMM Pointing:		S12E25		Pitch=+257", Yaw=+394", Roll=0deg		H. Ang=29deg	
GOES	21:43	22:14	21:49	Importance=C4	Qual=05		FePeak=21:51						
BCS	21:51	21:51	21:51	CaPeak.c/s=21	Qual=5		Rast=240"x240"	Step=15"	Cad= 262s	XEN=31436			
FCS	21:51			Peak3...c/s=20			Rast=3"x3"	Step=0"	Pitch=+248", Yaw=+263"				
UVSP	21:50			WaveLength=1347A	Code=02								
Event # = 1623		80/11/09, 22:17		DOY=314		SMM Pointing:		S12E24		Pitch=+257", Yaw=+381", Roll=0deg		H. Ang=28deg	
GOES	22:14	22:21	22:17	Importance=C2	Qual=01		MaxkeV=57						
HXRBS	22:16:20	22:18:45	22:17:00	Peak...c/s=89	Qual=01		Rast=60"x60"	Step=3"	Pitch=+251", Yaw=+249"				
UVSP	21:58			WaveLength=1353A	Code=00								

Event # = 21031 80/11/10,11:08 Start	D0Y=315 Peak	End times	S12E17	Pitch=+256", Yaw=+272", Roll=0deg	H. Ang=23deg
GOES	11:08	11:34	Qual=00 Qual=5	FePeak.c/s=8 Rast=4"x4"	XEN=31563 Pitch=+312", Yaw=+159"
BCS	11:06		CaPeak.c/s=58 Wavelength=1353A		
UVSP	11:04				
Event # = 21032 80/11/10,11:44 Start	D0Y=315 Peak	End times	S12E17	Pitch=+256", Yaw=+272", Roll=0deg	H. Ang=23deg
Optical			Ha...Class=2B Ha...Class=SB NI2W54 NI2W53	Mac.=CAO Carr. Lon.=167deg Carr. Lon.=166deg	H. Ang=56deg H. Ang=53deg
GOES	11:44	13:00	Qual=05 Qual=5	FePeak.c/s=9 Rast=240"x240"	XEN=31529 dt= 1.3s Cad= 262s 1.024s/pixel
BCS	12:11	13:08	CaPeak.c/s=41 Peak3..c/s=82	Step=15" Step=0"	Pitch=+313", Yaw=+149"
UVSP	12:12	12:15	Wavelength=1348A	Exp #=15858	
Event # = 1630 80/11/10,13:01 Start	D0Y=315 Peak	End times	S12E16	Pitch=+257", Yaw=+259", Roll=0deg	H. Ang=22deg
GOES	13:00	13:06	Importance=C8 Qual=01	MaxkeV=57 Rast=4"x4"	Pitch=+249", Yaw=+249"
HXRBS	13:00:35	13:02:30	Peak...c/s=92	Step=0"	
UVSP	12:42	13:01:25	Wavelength=1353A Code=00	Exp #=15863	
Event # = 21033 80/11/10,13:38 Start	D0Y=315 Peak	End times	S12E16	Pitch=+257", Yaw=+259", Roll=0deg	H. Ang=22deg
Optical			Ha...Class=SN Importance=C7 Qual=05	Mac.=FKC Carr. Lon.=96deg	H. Ang=19deg
GOES	13:35	14:02	CaPeak.c/s=30 Qual=5	FePeak.c/s=9 Rast=240"x240"	XEN=31512 Cad= 262s 1.024s/pixel
BCS	13:47	13:52	Peak3..c/s=23	Step=15" Step=0"	Pitch=+249", Yaw=+239"
FCS	13:48		Wavelength=1348A	Exp #=15864	
UVSP	13:48				
Event # = 21034 80/11/10,13:56 Start	D0Y=315 Peak	End times	S12E15	Pitch=+257", Yaw=+245", Roll=0deg	H. Ang=21deg
GOES	13:56	13:56	Qual=00 Qual=1	FePeak.c/s=8 Rast=4"x4"	XEN=31560 Pitch=+261", Yaw=+182"
BCS	13:54		CaPeak.c/s=21 Wavelength=1353A		
UVSP	13:54				
Event # = 21035 80/11/10,14:00 Start	D0Y=315 Peak	End times	S12E15	Pitch=+257", Yaw=+245", Roll=0deg	H. Ang=21deg
GOES	14:00	14:00	Qual=00 Qual=1	FePeak.c/s=3 Rast=4"x4"	XEN=31517 Pitch=+261", Yaw=+182"
BCS	14:00	14:00	CaPeak.c/s=24 Wavelength=1353A		
UVSP	13:54				
Event # = 1631 80/11/10,16:15 Start	D0Y=315 Peak	End times	S12E14	Pitch=+257", Yaw=+231", Roll=0deg	H. Ang=21deg
Optical			Ha...Class=IN Ha...Class=SF S12E12	Mac.=DKI Carr. Lon.=161deg Carr. Lon.=99deg	H. Ang=51deg H. Ang=19deg
GOES	16:05	16:37	Importance=M1 Qual=03	MaxkeV=132 Rast=10"x10"	Flags=M Step=0"
HXRBS	16:06:55	16:11:50	Peak...c/s=783	Tot Cts=62040	Pitch=+190", Yaw=+135"
UVSP	16:59	16:17:55	Wavelength=1347A	Exp #=15874	

Event # = 20478	DOY=315		SMM Pointing: S12E13		Pitch=+256", Yaw=+218", Roll=0deg		H. Ang=20deg	
80/11/10, 17:53	Peak	17:53	Importance=C3	Qual=01	FePeak.c/s=14	#Peaks=2	dt= 6.5s	XEN=31561
GOES 17:50	Start	17:57	CaPeak.c/s=55	Qual= 1	Rast=0"x0"	Step=0"	Cad=30.7s	30.72s/pixel
BCS 17:32		17:44	Peak3...c/s=62					
FCS 17:53		17:53	Wave length=1354A	Code=00	Exp #=15878	Step=10"	Pitch=+233"	Yaw=+170"
HXIS 17:52								
UVSP 17:52								
Event # = 1632	DOY=315		SMM Pointing: S12E12		Pitch=+258", Yaw=+202", Roll=0deg		H. Ang=20deg	
80/11/10, 18:35	Peak	18:35	Importance=C3	Qual=04	MaxkeV=57	Step=0"		
GOES 18:30	Start	18:40	Peak...c/s=129	Qual=01	Rast=10"x10"			
HXRBS 18:35:20		18:35:50	Wave length=1347A	Code=00	Exp #=15879			
UVSP 18:34								
Event # = 21036	DOY=315		SMM Pointing: S12E12		Pitch=+258", Yaw=+202", Roll=0deg		H. Ang=20deg	
80/11/10, 19:26	Peak	19:26	Importance=C4	Qual=01	FePeak.c/s=9	#Peaks=1		
GOES 19:10	Start	19:33	CaPeak.c/s=19	Qual= 1	Rast=180"x180"	Step=10"	Pitch=+233"	Yaw=+163"
BCS 19:25		19:26	Wave length=1353A	Code=00	Exp #=15882			
UVSP 18:37								
Event # = 1633	DOY=315		SMM Pointing: S12E11		Pitch=+257", Yaw=+175", Roll=0deg		H. Ang=19deg	
80/11/10, 21:59	Peak	21:59	Ha...Class=SB	N09W57	Mac.=DK1	Carr. Lon.=165deg		
Optical 21:54	Start	22:07	Ha...Class=SF	N21W87		Carr. Lon.=195deg		
Optical 21:50:10		21:51:15	Ha...Class=SN	S10W57		Carr. Lon.=165deg		
Optical 21:49			Importance=C7	Qual=01				
GOES 21:50:10		21:51:15	Peak...c/s=226	Qual=01	MaxkeV=132	Step=10"	Pitch=+228"	Yaw=+99"
HXRBS 21:50:10		21:51:15	Wave length=1353A	Code=00	Rast=180"x180"			
UVSP 21:49			8800/46 15400/120		Exp #=15892			
Radio			Associated					
HXRBS 21:51:20		21:57:50	Peak...c/s=132	Qual=01	Event # = 1634			
					Tot Cts=13110			
UVSP 21:49								
Event # = 21037	DOY=315		SMM Pointing: S12E11		Pitch=+257", Yaw=+175", Roll=0deg		H. Ang=19deg	
80/11/10, 22:12	Peak	22:12	Importance=C4	Qual=01	FePeak.c/s=8	#Peaks=1		
GOES 22:10	Start	22:21	CaPeak.c/s=23	Qual= 1	Rast=240"x240"	Step=15"	Cad= 262s	XEN=31524
BCS 22:12		22:13	Peak3...c/s=218		Rast=180"x180"	Step=10"	Pitch=+228"	Yaw=+99"
FCS 22:13			Wave length=1353A	Code=00	Exp #=15892			
UVSP 21:49								
Event # = 20479	DOY=315		SMM Pointing: S12E10		Pitch=+258", Yaw=+165", Roll=0deg		H. Ang=18deg	
80/11/10, 23:28	Peak	23:28	Ha...Class=SN	S12E11	Mac.=FKC	Carr. Lon.=96deg		
Optical 23:20	Start	23:32	Importance=C3	Qual=01				
GOES 23:28		23:28	Peak...c/s=91					
HXIS 23:23			Wave length=1353A	Code=00	Exp #=15897			
UVSP 23:23								

Event # = 1635 DOY=315 S12E09 H. Ang=18deg
 80/11/10,23:52 DOY=315 S12E09 H. Ang=18deg
 Start Peak
 End times
 GOES 23:50 23:52 00:00
 HXRBS 23:51:55 23:52:25 23:52:55 Tot Cts=1080
 UVSP 23:23 Wavelength=1353A Code=00 Exp #=15897
 Radio Frequency (MHz)/Flux (sfu): 4995/15 8800/33 15400/15

80/11/11 DOY=316
 SMM Pointing: S12E08
 Importance=C3 Qual=01
 Peak...c/s=102 Qual=01
 Wavelength=1353A Code=00
 4995/15 8800/33 15400/15
 SMM Pointing: S12E08
 Ha...Class=SF AR2779
 Importance=C3 Qual=04
 CaPeak.c/s=53 Qual=5 FePeak=02:39
 Peak3..c/s=135
 Peak...c/s=80
 Wavelength=1353A Code=00 Exp #=15907

Event # = 21038 DOY=316 S12E08 H. Ang=17deg
 80/11/11,03:11 DOY=316 S12E08 H. Ang=17deg
 Start Peak
 End times
 Optical N12W63 AR2776
 GOES 03:02 03:11 03:24 FePeak=03:09
 BCS 03:09 03:09 03:10 FePeak=03:09
 FCS 03:10 03:10 03:21 Exp #=15907
 UVSP 02:36 Wavelength=1353A Code=00 Event # = 21039
 Associated
 Qual=1 FePeak=03:21
 BCS 03:21 03:21 03:21 CaPeak.c/s=18

Event # = 21040 DOY=316 S12E08 H. Ang=17deg
 80/11/11,03:30 DOY=316 S12E08 H. Ang=17deg
 Start Peak
 End times
 GOES 03:24 03:30 03:31 FePeak=03:30
 BCS 03:24 03:27 03:31 Exp #=15908
 FCS UVSP 03:26 Wavelength=1353A

Event # = 21041 DOY=316 S13E07 H. Ang=17deg
 80/11/11,04:31 DOY=316 S13E07 H. Ang=17deg
 Start Peak
 End times
 GOES 04:30 04:31 04:32 FePeak=04:30
 BCS 04:30 04:31 04:31 Exp #=15912
 FCS UVSP 04:16 Wavelength=1353A

Event # = 21042 DOY=316 S13E07 H. Ang=17deg
 80/11/11,04:37 DOY=316 S13E07 H. Ang=17deg
 Start Peak
 End times
 GOES 04:36 04:37 04:39 FePeak=04:37
 BCS 04:36 04:37 04:37 Exp #=15912
 FCS UVSP 04:16 Wavelength=1353A

Event # = 21043		DOY=316		SMM Pointing:		S13E07		Pitch=+267", Yaw=+108", Roll=0deg		H. Ang=17deg	
80/11/11,04:45	Start	04:45	Peak	CaPeak.c/s=20	Qual=00	FePeak=04:45	FePeak.c/s=7	#Peaks=1	Rast=0"x0"	Step=0"	XEN=31613
GOES	04:45	04:46	04:45	Peak3...c/s=32	Qual=1	Exp #=15912	Rast=180"x180"	Step=10"	Cad=1.54s	Pitch=+228"	Yaw=+40"
BCS	04:16			WaveLength=1353A							
FCS											
UVSP											
Event # = 1636		DOY=316		SMM Pointing:		S12E06		Pitch=+257", Yaw=+102", Roll=0deg		H. Ang=17deg	
80/11/11,06:32	Start	06:32	Peak	Ha...Class=SN	S12E06	AR2779	Mac.=FKC	Carr. Lon.=97deg			
Optical	06:25	06:45	06:32	Importance=M1	Qual=01						
GOES	06:25:30	06:30:50	06:27:15	Peak...c/s=526	Qual=01	Tot Cts=54080	MaxkeV=132	#Peaks=2	dt= 6.3s	XEN=31654	
HXRBS	06:03	06:43	06:31	CaPeak.c/s=362	Qual=1	FePeak=06:29	Rast=60"x60"	Step=10"	Cad=36.9s	1.024s/pixel	
BCS			06:31	Peak3...c/s=292							
FCS			06:30	Peak...c/s=632							
HXIS	06:28			WaveLength=1353A	Code=00	Exp #=15918	Rast=30"x30"	Step=10"	Pitch=+274"	Yaw=+103"	
UVSP				Type/Intensity:							
Radio				Sweeps							
Frequency (MHz)/Flux(sfu):	245/99	606/400	1415/29	2695/58	4995/120	8800/180	15400/74				
Event # = 20481		DOY=316		SMM Pointing:		S12E05		Pitch=+262", Yaw=+83", Roll=0deg		H. Ang=16deg	
80/11/11,07:39	Start	07:39	Peak	Importance=C6	Qual=05	FePeak=07:43	FePeak.c/s=10	#Peaks=1	Rast=240"x240"	Step=15"	XEN=31614
GOES	07:30	07:50	07:39	CaPeak.c/s=77	Qual=5	Exp #=15922	Rast=180"x180"	Step=3"	Pitch=+231"	Yaw=+40"	
BCS	07:43	08:18	07:43	Peak3...c/s=306							
FCS			07:44	Peak...c/s=123							
HXIS	07:37		07:45	WaveLength=1549A	Code=00						
UVSP											
Event # = 1637		DOY=316		SMM Pointing:		S12E05		Pitch=+262", Yaw=+83", Roll=0deg		H. Ang=16deg	
80/11/11,08:15	Start	08:15	Peak	Importance=C5	Qual=01	Tot Cts=3800	MaxkeV=132	Flags=M			
GOES	08:14	08:21	08:15	Peak...c/s=326	Qual=01	Exp #=15923	Rast=30"x30"	Step=3"	Pitch=+268"	Yaw=+115"	
HXRBS	08:15:10	08:16:45	08:15:40	WaveLength=1549A	Code=00						
UVSP	07:42										
Event # = 1638		DOY=316		SMM Pointing:		S12E04		Pitch=+259", Yaw=+72", Roll=0deg		H. Ang=16deg	
80/11/11,09:15	Start	09:15	Peak	Ha...Class=2B	N10M63	AR2776	Mac.=DKI	Carr. Lon.=164deg			
Optical	09:04	09:49	09:15	Importance=M9	S09E03	AR2779					
GOES	09:22:30	09:26:35	09:24:15	Peak...c/s=158	Qual=05	Tot Cts=10486	MaxkeV=57	Flags=SA	dt= 6.3s	XEN=31615	
HXRBS	09:22	09:54	09:31	CaPeak.c/s=13678	Qual=5	FePeak=09:31	Rast=240"x240"	Step=15"	Cad= 262s	1.024s/pixel	
BCS			09:29	Peak3...c/s=345							
FCS			09:24	Peak...c/s=218							
HXIS	09:15			WaveLength=1546A	Code=02	Exp #=15924	Rast=3"x3"	Step=0"	Pitch=+268"	Yaw=+100"	
UVSP				1415/36	2695/130	4995/650	8800/2100	15400/610			
Radio				Frequency (MHz)/Flux(sfu):							
HXRBS	09:41:00	09:41:35	09:41:50	Peak...c/s=92	Associated	Event # = 1639	MaxkeV=57				
UVSP	09:21			WaveLength=1549A	Qual=01	Exp #=15926	Rast=30"x30"	Step=3"	Pitch=+256"	Yaw=+32"	

Event # = 20482	DOY=316	SMM Pointing:	S12E04	Pitch=+259", Yaw=+66", Roll=0deg	H. Ang=16deg
80/11/11, 10:09	Peak	Ha...Class=1B	S11E03	Mac.=FKC	H. Ang=15deg
Optical	10:09	Importance=M3	Qual=05	Carr. Lon.=98deg	
GOES	10:01	Peak...c/s=661		Step=0"	Pitch=+256", Yaw=+18"
HXIS	10:31	Wave length=1546A	Exp #=15927		
UVSP	10:54				
Event # = 1640	DOY=316	SMM Pointing:	S12E03	Pitch=+258", Yaw=+43", Roll=0deg	H. Ang=16deg
80/11/11, 12:13	Peak	Importance=C1	Qual=01		
Optical	12:08	Peak...c/s=70	Qual=01	MaxkeV=57	
GOES	12:12:30	CaPeak.c/s=29	Qual=1	dt= 6.3s	XEN=31617
HXRBS	12:07	Peak3...c/s=227		Step=15"	Cad= 262s
BGS	12:43	Wave length=1213A	Exp #=15931	Step=0"	Pitch=+192", Yaw=-45"
FCS					
UVSP	12:37				
Event # = 21044	DOY=316	SMM Pointing:	S12E03	Pitch=+258", Yaw=+43", Roll=0deg	H. Ang=16deg
80/11/11, 12:46	Peak	CaPeak.c/s=24	Qual=00		
Optical	12:43	Peak3...c/s=196	Qual=1	FePeak.c/s=7	XEN=31657
GOES	12:46	Wave length=1215A		Rast=240"x240"	Step=15"
BGS	12:47		Exp #=15932	Pitch=+192"	Yaw=-45"
FCS					
UVSP	12:39				
Event # = 20483	DOY=316	SMM Pointing:	S12E03	Pitch=+258", Yaw=+43", Roll=0deg	H. Ang=16deg
80/11/11, 12:55	Peak	Importance=C3	Qual=01		
Optical	12:53	CaPeak.c/s=37	Qual=1	dt= 6.3s	XEN=31621
GOES	12:52	Peak3...c/s=227		Step=15"	Cad= 262s
HXRBS	12:57	Peak...c/s=67	Code=01	Step=3"	Pitch=+192", Yaw=-45"
BGS	12:57	Wave length=1353A			
FCS	12:55				
HXIS					
UVSP	12:39				
Event # = 1641	DOY=316	SMM Pointing:	S12E02	Pitch=+259", Yaw=+28", Roll=0deg	H. Ang=16deg
80/11/11, 14:50	Peak	Ha...Class=1N	S12E03	Mac.=FKC	H. Ang=15deg
Optical	14:37	Importance=M1	Qual=02		
GOES	14:39:20	Peak...c/s=143	Qual=03	Flags=M, EN	
HXRBS	13:43	CaPeak.c/s=200	Qual=2	#Peaks=3	dt= 6.3s
BGS	14:21	Peak3...c/s=677		Step=10"	Cad=36.9s
FCS	14:40	Peak...c/s=616	Code=01	Step=10"	Pitch=+243", Yaw=-5"
HXIS		Wave length=1353A			
UVSP	14:38		Exp #=15940		
Event # = 1642	DOY=316	SMM Pointing:	S12E01	Pitch=+259", Yaw=+13", Roll=0deg	H. Ang=15deg
80/11/11, 15:21	Peak	Ha...Class=1B	S12W01	Mac.=FKC	H. Ang=15deg
Optical	15:17	Ha...Class=1B	N10W65		H. Ang=65deg
Optical	15:17	Importance=M1	Qual=01		
GOES	15:18:50	Peak...c/s=1791	Qual=01	MaxkeV=132	
HXRBS	15:17	CaPeak.c/s=100	Qual=01	Rast=240"x240"	Step=15"
BGS	15:20	Peak3...c/s=576		Step=0"	Pitch=+250", Yaw=+14"
FCS	15:18	Peak...c/s=229	Code=00		
HXIS		Wave length=1546A			
UVSP	15:20		Exp #=15942		

Event #	Start	End times	SMM Pointing:	S12W01	Pitch=+258", Yaw=-15", Roll=0deg	H. Ang=15deg
80/11/11, 18:38	18:38	19:15	DOY=316 Peak	Qual=00		
GOES			Peak...c/s=61			
HXIS			Wavelength=1353A			
UVSP	18:32		Exp #=15954		Step=10"	Pitch=+234", Yaw=-56"
Event # = 1647			SMM Pointing:	S12W01	Pitch=+258", Yaw=-15", Roll=0deg	H. Ang=15deg
80/11/11, 19:10	19:10	19:15	DOY=316 Peak			
Optical			Ha...Class=SN		Mac.=DKI	
GOES	19:09	19:28	Importance=C8	AR2776	Carr. Lon.=166deg	H. Ang=70deg
HXRBS	19:08:10	19:11:55	Peak...c/s=125	Tot Cts=8550	#Peaks=1	XEN=31631
BCS	19:09	19:09	CaPeak.c/s=19	FePeak=19:09	Step=10"	Pitch=+234", Yaw=-56"
UVSP	18:32		Wavelength=1353A	Exp #=15954		
			Associated	Event # = 21046		
BCS	19:15	19:16	CaPeak.c/s=19	FePeak=19:15	#Peaks=1	XEN=31632
FCS	19:15	19:15	Peak3...c/s=38		Step=15"	Cad= 147s
			Associated	Event # = 21047		
BCS	19:19	19:19	CaPeak.c/s=19	FePeak=19:19	#Peaks=1	XEN=31633
FCS	19:19	19:19	Peak3...c/s=56		Step=15"	Cad= 147s
			Associated	Event # = 21048		
BCS	19:21	19:28	CaPeak.c/s=22	FePeak=19:21	#Peaks=1	XEN=31634
FCS	19:21	19:22	Peak3...c/s=90		Step=15"	Cad= 147s

Event #	Start	End times	SMM Pointing:	S12W02	Pitch=+259", Yaw=-30", Roll=0deg	H. Ang=16deg
80/11/11, 20:06	20:06	20:17	DOY=316 Peak			
GOES			Peak...c/s=84			
HXRBS	20:16:00	20:16:05	CaPeak.c/s=24			
BCS	20:06	20:06	Peak3...c/s=201			
FCS	20:08	20:08	Wave length=1347A			
UVSP	20:07		Exp #=15955			
Event # = 1649			SMM Pointing:	S12W02	Pitch=+259", Yaw=-30", Roll=0deg	H. Ang=16deg
80/11/11, 20:41	20:41	20:42	DOY=316 Peak			
GOES			Peak...c/s=112			
HXRBS	20:41:30	20:41:50	Wavelength=1353A			
UVSP	20:09		Exp #=15958			
Event # = 1650			SMM Pointing:	S12W02	Pitch=+259", Yaw=-30", Roll=0deg	H. Ang=16deg
80/11/11, 20:48	20:48	20:49	DOY=316 Peak			
Optical			Ha...Class=IN			
GOES	20:42	20:52	Importance=M1	AR2776	Carr. Lon.=166deg	H. Ang=71deg
HXRBS	20:42:25	20:45:25	Peak...c/s=429	Tot Cts=24360	#Peaks=1	XEN=31638
UVSP	20:09		Wavelength=1353A	Exp #=15958	Step=10"	Pitch=+234", Yaw=-71"

Event # = 1651
 80/11/11,20:54 Start DOY=316 Peak
 Optical SMM Pointing: S12W02 Pitch=+259",Yaw=-30",Roll=0deg H.Ang=16deg
 GOES 20:52 21:20 AR2779 Mac.=FKC Carr.Lon.=100deg H.Ang=16deg
 HXRBS 20:53:00 20:54:35 21:06:40 Qual=03
 BCS 20:20 21:02 21:04 CaPeak.c/s=894 Peak...c/s=894
 FCS 20:56 20:56 21:00 CaPeak.c/s=1440 Peak3...c/s=1654 dt= 6.3s XEN=31658
 HXIS 21:00 21:00 Peak...c/s=2584 Step=15" Cad=65.5s 1.024s/pixel
 UVSP 20:09 Wavelength=1353A Code=00 Exp #=15958 Rast=180"x180" Step=10" Pitch=+234",Yaw=-71"

Event # = 20485
 80/11/11,21:42 Start DOY=316 Peak
 GOES SMM Pointing: S12W03 Pitch=+259",Yaw=-45",Roll=0deg H.Ang=16deg
 BCS 21:42 22:09 Qual=00
 FCS 21:44 21:44 FePeak.c/s=13 #Peaks=1 XEN=31648
 HXIS 21:41 21:41 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel
 UVSP 21:42 21:42 Exp #=15959 Rast=180"x180" Step=15" Pitch=+250",Yaw=-45"

Event # = 21049
 80/11/11,22:22 Start DOY=316 Peak
 Optical SMM Pointing: S12W03 Pitch=+259",Yaw=-45",Roll=0deg H.Ang=16deg
 GOES 22:19 22:22 S19W35 Qual=01
 BCS 22:21 22:21 Qual=01 Carr.Lon.=129deg H.Ang=41deg
 UVSP 21:45 21:45 CaPeak.c/s=19 FePeak.c/s=6 #Peaks=1 XEN=31652
 Wavelength=1353A Code=00 Exp #=15962 Rast=180"x180" Step=10" Pitch=+234",Yaw=-101"

Event # = 20486
 80/11/11,22:37 Start DOY=316 Peak
 Optical SMM Pointing: S12W03 Pitch=+259",Yaw=-45",Roll=0deg H.Ang=16deg
 GOES 22:27 22:37 S19W35 Qual=01 H.Ang=41deg
 BCS 22:26 22:36 Qual=01 Carr.Lon.=129deg H.Ang=41deg
 FCS 22:39 22:36 CaPeak.c/s=93 FePeak.c/s=25 #Peaks=2 dt= 6.3s XEN=31653
 HXIS 21:45 21:45 Peak3...c/s=523 Peak...c/s=147 Cad= 147s 1.024s/pixel
 UVSP 21:45 Wavelength=1353A Code=00 Exp #=15962 Rast=180"x180" Step=10" Pitch=+234",Yaw=-101"

Event # = 1652
 80/11/11,23:48 Start DOY=316 Peak
 Optical SMM Pointing: S12W04 Pitch=+258",Yaw=-59",Roll=0deg H.Ang=16deg
 GOES 23:38 23:48 S12W07 Qual=01 H.Ang=17deg
 HXRBS 23:39:35 23:41:00 23:48:40 Qual=01 Carr.Lon.=100deg H.Ang=17deg
 HXIS 23:48 23:48 Qual=01 Tot Cts=19075 MaxkeV=132
 UVSP 23:20 Wavelength=1353A Code=00 Exp #=15966 Rast=180"x180" Step=10" Pitch=+234",Yaw=-100"

Event # = 1653
 80/11/11,23:53 Start DOY=316 Peak
 GOES SMM Pointing: S12W04 Pitch=+258",Yaw=-59",Roll=0deg H.Ang=16deg
 HXRBS 23:52:20 23:53:25 23:54:15 Qual=00 MaxkeV=57
 UVSP 23:20 Peak...c/s=82 Wavelength=1353A Code=01 Exp #=15966 Rast=180"x180" Step=10" Pitch=+234",Yaw=-100"

Event # = 21050
 80/11/12,01:05 DOY=317
 Start Peak
 GOES 00:58 01:05
 BCS 01:02 01:07
 FCS 01:07 01:07
 UVSP 01:09 01:07

SMM Pointing: N03W00
 Importance=C8
 CaPeak.c/s=21
 Peak3..c/s=951
 Wavelength=2912A Code=02 Exp #=15969

End times
 01:30
 01:07

Pitch=-1", Yaw=+1", Roll=0deg
 H.Ang=0deg

FePeak.c/s=14 #Peaks=1 XEN=31700
 Rast=115"x115" Step=5" Cad= 542s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=-6", Yaw=+957"

Event # = 1655
 80/11/12,02:36 DOY=317
 Start Peak
 GOES 02:30 02:36
 HXRBS 02:36:00 02:36:25
 UVSP 02:33 02:38:50

SMM Pointing: S12W05
 Importance=C3
 Peak...c/s=120
 Wavelength=1353A Code=00 Tot Cts=3400 Exp #=15977

End times
 02:40
 02:38:50

Pitch=+254", Yaw=-85", Roll=0deg
 H.Ang=16deg

MaxkeV=57 Flags=SA
 Rast=180"x180" Step=10" Pitch=+230", Yaw=-126"

Event # = 1656
 80/11/12,02:51 DOY=317
 Start Peak
 Optical
 GOES 02:42 02:51
 HXRBS 02:42:55 02:49:30
 BCS 02:36 02:51
 FCS 02:48 02:48
 HXIS 02:50 02:50
 UVSP 02:33 02:50
 Radio Frequency (MHz)/Flux(sfu): 2695/10 4995/73 8800/150 15400/76
 BCS 02:43 02:47 02:49

SMM Pointing: S12W05
 Ha...Class=1B
 Importance=M1
 Peak...c/s=968
 CaPeak.c/s=741
 Peak3..c/s=763
 Peak...c/s=1531
 Wavelength=1353A Code=00 Exp #=15977
 2695/10 4995/73 8800/150 15400/76
 Associated Event # = 20487

End times
 03:07
 02:59:00
 03:27
 02:48
 02:50

Pitch=+254", Yaw=-85", Roll=0deg
 H.Ang=16deg

Mac.=FKC Carr.Lon.=98deg
 H.Ang=17deg

MaxkeV=132 dt= 3.2s XEN=31739
 FePeak.c/s=284 #Peaks=2
 Rast=420"x420" Step=10" Cad=1806s 1.024s/pixel

Event # = 1657
 80/11/12,03:00 DOY=317
 Start Peak
 Optical
 GOES 03:00:10 03:00:35
 HXRBS 03:00:10 03:00:35
 UVSP 02:33 03:04:00

SMM Pointing: S12W05
 Ha...Class=SF
 Peak...c/s=161
 Wavelength=1353A Code=01 Tot Cts=460 Exp #=15977

End times
 03:04:00
 03:04:00

Pitch=+254", Yaw=-85", Roll=0deg
 H.Ang=16deg

Mac.=DKI Carr.Lon.=171deg
 H.Ang=79deg

MaxkeV=132
 Rast=180"x180" Step=10" Pitch=+230", Yaw=-126"

Event # = 1658
 80/11/12,03:12 DOY=317
 Start Peak
 Optical
 GOES 03:11 03:12
 HXRBS 03:11:00 03:12:25
 UVSP 02:33 03:13:40

SMM Pointing: S12W05
 Ha...Class=1F
 Importance=C2
 Peak...c/s=103
 Wavelength=1353A Code=00 Tot Cts=2720 Exp #=15977

End times
 03:15
 03:13:40

Pitch=+254", Yaw=-85", Roll=0deg
 H.Ang=16deg

Mac.=DSO Carr.Lon.=170deg
 H.Ang=79deg

MaxkeV=57
 Rast=180"x180" Step=10" Pitch=+230", Yaw=-126"

Event # = 1659
 80/11/12,03:18 DOY=317
 Start Peak
 GOES 03:17:45 03:18:05
 HXRBS 03:17:45 03:18:05
 UVSP 02:33 03:19:10

SMM Pointing: S12W05
 Peak...c/s=86
 Wavelength=1353A Code=01 Qual=00 Exp #=15977

End times
 03:19:10

Pitch=+254", Yaw=-85", Roll=0deg
 H.Ang=16deg

MaxkeV=57
 Rast=180"x180" Step=10" Pitch=+230", Yaw=-126"

Event # = 21051 80/11/12,10:25 Start	DOY=317 Peak 10:25 10:28 10:28	SMM Pointing: S12W09 Qual=05 Qual=1 Code=01	Importance=C7 CaPeak.c/s=34 Peak3.c/s=23 Wavelength=2832A	End times 11:00 10:28	Pitch=+254", Yaw=-149", Roll=0deg H. Ang=18deg	FePeak.c/s=8 #Peaks=1 Rast=300"x300" Step=15" Cad= 410s Rast=180"x1" Step=0" Pitch=+259", Yaw=-136"	XEN=31713 1.024s/pixel
Event # = 1664 80/11/12,11:07 Start	DOY=317 Peak 11:07 11:02:55 11:06 11:10 11:04	SMM Pointing: S12W10 Qual=01 Qual=01 Qual=1 Code=01	Importance=C8 Peak.c/s=198 CaPeak.c/s=259 Peak3.c/s=787 Peak.c/s=491 Wavelength=1213A	End times 11:16 11:05:35 11:26	Pitch=+255", Yaw=-160", Roll=0deg H. Ang=18deg	MaxKey=57 FePeak.c/s=78 #Peaks=2 dt= 3.2s Rast=55"x55" Step=5" Cad= 124s XEN=31740 Rast=180"x1" Step=0" Pitch=+187", Yaw=-203"	1.024s/pixel
Event # = 20489 80/11/12,15:21 Start	DOY=317 Peak 15:21 15:24 15:27 15:23	SMM Pointing: S12W12 S17W30 S14W10 Qual=04 Qual=1 Code=02	Ha...Class=SN Ha...Class=SB Importance=C4 CaPeak.c/s=45 Peak3.c/s=158 Peak.c/s=69 Wavelength=1353A	End times 15:31 15:57	Pitch=+253", Yaw=-200", Roll=0deg H. Ang=19deg	Mac. =DSO Carr. Lon.=115deg Carr. Lon.=95deg FePeak.c/s=9 #Peaks=2 dt= 6.3s Rast=300"x300" Step=15" Cad= 410s XEN=31716 Rast=120"x120" Step=10" Pitch=+257", Yaw=-211"	
Event # = 21052 80/11/12,16:13 Start	DOY=317 Peak 16:13 16:09	SMM Pointing: S12W13 Qual=00 Qual=2 Code=02	CaPeak.c/s=28 Peak3.c/s=42 Wavelength=1353A	End times 16:18	Pitch=+252", Yaw=-211", Roll=0deg H. Ang=20deg	FePeak.c/s=8 #Peaks=1 dt= 6.3s XEN=31741 Rast=0"x0" Step=0" Cad=30.7s 30.72s/pixel Rast=120"x120" Step=10" Pitch=+257", Yaw=-211"	
Event # = 1665 80/11/12,17:04 Start	DOY=317 Peak 17:04 16:58 16:59:45 17:02:15 17:04 17:07 17:03	SMM Pointing: S12W13 S14W11 Qual=01 Qual=01 Qual=1 Code=02	Ha...Class=1B Importance=M1 Peak.c/s=653 CaPeak.c/s=532 Peak3.c/s=1482 Peak.c/s=1008 Wavelength=1352A	End times 17:15 17:06:15 17:49	Pitch=+252", Yaw=-211", Roll=0deg H. Ang=20deg	Mac. =FKC Carr. Lon.=95deg MaxKey=132 FePeak.c/s=163 #Peaks=1 dt= 6.3s XEN=31721 Rast=120"x120" Step=15" Cad=65.5s 1.024s/pixel Rast=10"x10" Step=0" Pitch=+262", Yaw=-185"	
Frequency (MHz)/Flux(sfu):	1415/25 2695/24 4995/15 8800/82 15400/51						

Event # = 1668
 80/11/12,21:55 DOY=317 Peak Pitch=+252",Yaw=-262",Roll=0deg H.Ang=22deg
 Start End times
 Optical SMM Pointing: S12W16
 Ha...Class=SF AR2776 H.Ang=76deg
 Optical Ha...Class=SN AR2779 H.Ang=22deg
 Optical Code=BSL AR2776 H.Ang=90deg
 GOES 21:50 21:55 22:02 Importance=M2
 HXRBS 21:51:50 21:52:45 21:55:25 Peak...c/s=890
 UVSP 21:42 Wavelength=1353A Code=00
 Radio Frequency(MHz)/Flux(sfu): 1415/19 2695/200 4995/150 8800/48
 MaxkeV=132
 Rast=120"x120" Pitch=+246",Yaw=-296"
 Tot Cts=34615
 Exp #=16135
 8800/48

Event # = 1669
 80/11/12,22:56 DOY=317 Peak Pitch=+252",Yaw=-262",Roll=0deg H.Ang=22deg
 Start End times
 Optical SMM Pointing: S12W16
 Ha...Class=1B AR2779 H.Ang=24deg
 GOES 22:30 22:56 23:33 Importance=M3
 HXRBS 22:30:35 22:31:10 22:31:25 Peak...c/s=99
 BCS 22:27 22:36 22:36 CaPeak.c/s=114
 FCS 22:33 22:33 22:33 Peak3...c/s=242
 HXIS 22:36 22:36 Peak...c/s=182
 UVSP Wavelength=1347A
 Radio Frequency(MHz)/Flux(sfu): 8800/37 15400/20
 Associated Event # = 20741
 Rast=180"x180" Step=15" Cad= 148s
 Rast=120"x120" Step=10" Pitch=+246",Yaw=-296"
 FCS
 UVSP 21:42 Exp #=16135

80/11/13 DOY=318
 Event # = 1671
 80/11/13,00:20 DOY=318 Peak Pitch=+259",Yaw=-69",Roll=0deg H.Ang=16deg
 Start End times
 Optical SMM Pointing: S12W04
 Ha...Class=SF AR2779 H.Ang=24deg
 GOES 23:33 00:20 00:31 Importance=M3
 HXRBS 23:51:20 23:55:55 00:04:35 Peak...c/s=102
 BCS 23:13 00:09 00:11 CaPeak.c/s=527
 FCS 23:16 23:16 Peak3...c/s=732
 UVSP 00:13 Wavelength=1353A Code=01
 Associated Event # = 1670
 HXRBS* 23:34:10 23:44:25 23:46:45 Peak...c/s=155
 UVSP 23:44 Wavelength=1353A
 HXRBS 00:07:10 00:08:20 00:12:15 Peak...c/s=95
 HXIS Peak...c/s=804
 UVSP 00:07 Wavelength=1352A
 MaxkeV=57
 FePeak.c/s=85 dt= 6.3s XEN=31732
 Rast=240"x240" Cad= 262s 1.024s/pixel
 Rast=120"x120" Step=10" Pitch=+256",Yaw=-293"
 MaxkeV=57
 Rast=120"x120" Step=10" Pitch=+256",Yaw=-294"
 MaxkeV=57
 Rast=10"x10" Step=0" Pitch=+271",Yaw=-257"
 Exp #=16250

80/11/13 DOY=318
 Event # = 1673
 80/11/13,01:03 DOY=318 Peak Pitch=+251",Yaw=-287",Roll=0deg H.Ang=23deg
 Start End times
 Optical SMM Pointing: S12W18
 Ha...Class=1B AR2779 H.Ang=25deg
 GOES 00:31 01:03 01:45 Importance=M9
 HXRBS 00:49:15 00:57:00 01:18:25 Peak...c/s=6915
 BCS 00:49 00:49 01:48 CaPeak.c/s=2218
 FCS 01:18 01:18 Peak3...c/s=1373
 HXIS 00:49 Peak...c/s=3672
 UVSP Wavelength=1352A Code=02
 Radio Type/Intensity: III/2 V/2
 Radio Frequency(MHz)/Flux(sfu): 606/47 1415/480 2695/89 4995/220 8800/240
 Tot Cts=9.45E+5
 FePeak=00:49
 Rast=240"x240" Cad= 262s
 Rast=10"x10" Step=0" Pitch=+271",Yaw=-320"

Event # = 21057		DOY=318		SMM Pointing:		S12W19		Pitch=+251", Yaw=-302", Roll=0deg		H. Ang=24deg	
80/11/13, 02:44		Peak		End times							
GOES	02:32	02:44	03:11	CaPeak.c/s=61	Qual=00	FePeak=02:44		dt= 3.2s	XEN=31802		
BCS	02:32	02:50		Peak3...c/s=252	Qual=1	Exp #=16359		Step=0" x0"	Cad=30.7s	30.72s/pixel	
FCS	02:33			WaveLength=1353A				Step=10"	Pitch=+226"	Yaw=-343"	
UVSP	02:33										
Event # = 1674		DOY=318		SMM Pointing:		S12W19		Pitch=+251", Yaw=-302", Roll=0deg		H. Ang=24deg	
80/11/13, 02:57		Peak		End times							
GOES	02:57:10	02:57:25	02:58:00	Peak...c/s=86	Qual=00			MaxkeV=57			
HXRBS	02:57:10	02:57:25	02:58:00	WaveLength=1353A	Qual=01	Exp #=16359		Rast=180"x180"	Pitch=+226"	Yaw=-343"	
UVSP	02:57:10	02:57:25	02:58:00								
Event # = 1675		DOY=318		SMM Pointing:		S12W19		Pitch=+251", Yaw=-302", Roll=0deg		H. Ang=24deg	
80/11/13, 03:20		Peak		End times							
GOES	03:12	03:20	03:39	Importance=M1	Qual=03			MaxkeV=57			
HXRBS	03:01:30	03:14:30	03:24:10	Peak...c/s=234	Qual=01	Tot Cts=57120		dt= 6.3s	XEN=31804		
BCS	03:11	03:16	03:23	CaPeak.c/s=58	Qual=3	FePeak=03:16		Step=0" x0"	Cad=30.7s	30.72s/pixel	
FCS	03:11	03:11		Peak3...c/s=63							
HXIS	03:11	03:16		Peak...c/s=112							
UVSP	03:16	03:16		WaveLength=1353A	Code=00	Exp #=16359		Rast=180"x180"	Pitch=+226"	Yaw=-343"	
Event # = 20491		DOY=318		SMM Pointing:		S12W21		Pitch=+251", Yaw=-346", Roll=0deg		H. Ang=26deg	
80/11/13, 07:58		Peak		End times							
GOES	07:50	07:58	08:05	Importance=C4	Qual=01			FePeak.c/s=7	#Peaks=2	XEN=31805	
BCS	07:34	07:46	08:10	CaPeak.c/s=400	Qual=1	FePeak=07:46					
HXIS	07:34	07:59		Peak...c/s=84							
UVSP	07:34	07:59		WaveLength=1353A	Code=00	Exp #=16371		Rast=180"x180"	Pitch=+225"	Yaw=-387"	
Event # = 1676		DOY=318		SMM Pointing:		S12W22		Pitch=+250", Yaw=-357", Roll=0deg		H. Ang=27deg	
80/11/13, 09:52		Peak		End times							
Optical	09:37	09:52	10:31	Code=LPS	S10W90	AR2777					
GOES	09:37	09:46:40	09:46:40	Importance=M8	Qual=02						
HXRBS	09:37:35	09:46:40	09:46:40	Peak...c/s=1593	Qual=03	Tot Cts=2.73E+5		Carr. Lon.=165deg	H. Ang=91deg		
Radio	09:37:35	09:46:40	09:46:40	Frequency(MHz)/Flux(stu):	1415/36	2695/72	4995/250	8800/1100	Flags=M,EN		
Event # = 1677		DOY=318		SMM Pointing:		N00W00		Pitch=+250", Yaw=-357", Roll=0deg		H. Ang=3deg	
80/11/13, 19:25		Peak		End times							
Optical	19:10	19:25	19:35	Ha...Class=2B	S16W32	AR2779					
GOES	19:10	19:25	19:35	Importance=M4	Qual=03			Mac.=FKC	Carr. Lon.=101deg	H. Ang=37deg	
HXRBS	19:12:00	19:16:40	19:22:20	Peak...c/s=483	Qual=03	Tot Cts=1.34E+5		MaxkeV=57	Flags=EN		
Radio	19:12:00	19:16:40	19:22:20	Frequency(MHz)/Flux(stu):	1415/7	2695/32	4995/67	8800/110	15400/53		
Event # = 1678		DOY=318		SMM Pointing:		N00W00		Pitch=+250", Yaw=-357", Roll=0deg		H. Ang=3deg	
80/11/13, 20:31		Peak		End times							
GOES	20:29	20:31	20:40	Importance=C2	Qual=01						
HXRBS	20:31:05	20:31:35	20:33:05	Peak...c/s=88	Qual=01			MaxkeV=57			

80/11/14 DOY=319

H. Ang=3deg

Event # = 1679 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,01:04 Start Peak End times

GOES 01:02:35 01:04:50 01:05:50 Peak...c/s=76 MaxkeV=57

HXRBS 01:02:35 01:04:50 01:05:50 Peak...c/s=76 MaxkeV=57

H. Ang=3deg

Event # = 1680 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,01:08 Start Peak End times

GOES 01:00 01:08 01:12 Importance=C4 MaxkeV=57

HXRBS 01:08:05 01:08:50 01:10:15 Peak...c/s=60 MaxkeV=57

H. Ang=3deg

Event # = 1681 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,01:19 Start Peak End times

GOES 00:43 01:19 01:23 Ha...Class=SF Carr. Lon.=103deg

HXRBS 01:10:35 01:17:30 01:19:10 Importance=C6 Mac.=FKC

Optical Peak...c/s=93 Tot Cts=2060 MaxkeV=57

H. Ang=3deg

Event # = 1682 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,01:31 Start Peak End times

GOES 01:28 01:31 01:40 Importance=C3 Qual=04

HXRBS 01:30:25 01:31:25 01:32:45 Peak...c/s=71 Qual=01 MaxkeV=57

H. Ang=3deg

Event # = 1683 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,02:49 Start Peak End times

GOES 02:48 02:49 02:51 Ha...Class=SF Carr. Lon.=90deg

HXRBS 02:48:30 02:49:20 02:51:45 Importance=C3 Mac.=FKC

Optical Peak...c/s=61 Tot Cts=6840 MaxkeV=57

H. Ang=3deg

Event # = 1684 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,02:58 Start Peak End times

GOES 02:57 02:58 03:01 Ha...Class=SF Carr. Lon.=93deg

HXRBS 02:56:50 02:58:40 02:59:50 Importance=C4 Mac.=FKC

Radio Frequency(MHz)/Flux(sfu): 4995/35 8800/46 15400/29 MaxkeV=57

H. Ang=3deg

Event # = 1685 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,05:00 Start Peak End times

GOES 04:53 05:00 05:12 Ha...Class=SN Carr. Lon.=102deg

HXRBS 04:54:40 04:55:40 04:57:05 Importance=C6 Mac.=FKC

Radio Frequency(MHz)/Flux(sfu): 4995/140 8800/180 Tot Cts=27985 MaxkeV=132

H. Ang=3deg

Event # = 1686 DOY=319 SMM Pointing: N00W00 H. Ang=3deg

80/11/14,08:05 Start Peak End times

GOES 07:00 08:05 09:40 Importance=M7 Qual=03

HXRBS 07:31:00 07:48:20 09:43:25 Peak...c/s=396 Carr. Lon.=102deg

Radio Frequency(MHz)/Flux(sfu): 1415/120 2695/200 4995/150 8800/110 15400/56 Flags=M,SN,EN

H. Ang=3deg

Event # = 1697
80/11/15,01:01
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=05
Qual=01

MaxkeV=57

GOES 01:00:55 01:01:10 01:01:40
Peak...c/s=77

HXRBS

H. Ang=3deg

Event # = 20492
80/11/15,01:11
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=00

Peak...c/s=80

GOES 01:11:00 01:11:10 01:11:20
Peak...c/s=77

HXRBS

H. Ang=3deg

Event # = 1698
80/11/15,05:59
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=00
Qual=01Peak...c/s=150
Tot Cts=1140

MaxkeV=57

GOES 05:59:30 05:59:55 06:00:30
Peak...c/s=150

HXRBS

H. Ang=3deg

Event # = 1699
80/11/15,07:55
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=01
Qual=01Peak...c/s=143
Tot Cts=1120

MaxkeV=57

GOES 07:50:00 07:50:25 07:50:50
Importance=C4

HXRBS

H. Ang=3deg

Event # = 1700
80/11/15,13:39
StartDOY=320
PeakSMM Pointing:
End timesN00W00
S16W56
Qual=01Carr. Lon. = 102deg
Mac. = FKC

AR2779

MaxkeV=57

GOES 13:34 13:39 13:46
Importance=M1

HXRBS

H. Ang=3deg

Event # = 1701
80/11/15,14:14
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=01
Qual=01Peak...c/s=109
Tot Cts=9120

MaxkeV=57

GOES 14:11 14:14 14:17
Importance=C7

HXRBS

H. Ang=3deg

Event # = 1702
80/11/15,15:53
StartDOY=320
PeakSMM Pointing:
End timesN00W00
S12W53
Qual=03Carr. Lon. = 98deg
Mac. = FKC

AR2779

Flags=M

MaxkeV=57

GOES 15:40 15:53 16:26
Importance=X1

HXRBS

H. Ang=55deg

Event # = 1703
80/11/15,17:16
StartDOY=320
PeakSMM Pointing:
End timesN00W00
Qual=01
Qual=01Peak...c/s=123
Tot Cts=1300

MaxkeV=57

GOES 17:15 17:16 17:20
Importance=C2

HXRBS

Event # = 1710	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 09:06	09:06	09:28	09:13:15	Ha...Class=28	AR2788	Carr. Lon. =42deg
Optical	09:06	09:28	09:13:15	Importance=M8	Qual=01	Flags=M
GOES	09:01:15	09:04:25	09:05:43	Peak...c/s=3909	Qual=01	MaxkeV=272
HXRBS	09:04:37	09:05:43	09:05:43	Max.E..MeV= 0.4		>10MeV=N
GRS	09:04:37	09:05:43	09:05:43	Type/Intensity:		Dur=66sec
Radio Sweeps				II/3		
Radio Frequency(MHz)/Flux(sfu):	245/340	410/150	606/82	1415/110	2695/200	4995/310
	8800/310	8800/310	15400/140			
Event # = 1711	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 10:49	10:49	10:52	10:48:20	Importance=C6	Qual=01	
GOES	10:48	10:49	10:48:45	Peak...c/s=135	Qual=01	MaxkeV=57
HXRBS	10:48:20	10:48:45	10:49:40		Tot Cts=2320	
Event # = 1712	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 13:42	13:42	14:22	13:30:45	Ha...Class=SN	AR2779	Carr. Lon. =96deg
Optical	13:42	14:22	13:31:55	Importance=C8	Qual=04	
GOES	13:30:45	13:31:00	13:31:55	Peak...c/s=78	Qual=01	MaxkeV=57
HXRBS	13:30:45	13:31:00	13:31:55	Frequency(MHz)/Flux(sfu):		
Radio				245/86	4995/4	8800/25
Event # = 1713	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 18:22	18:22	18:28	18:19:10	Importance=C3	Qual=01	
GOES	18:18	18:22	18:19:10	Peak...c/s=132	Qual=01	MaxkeV=57
HXRBS	18:19:00	18:19:10	18:20:20		Tot Cts=1680	
Event # = 1714	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 19:08	19:08	19:11	19:07:45	Importance=C2	Qual=01	
GOES	19:06	19:08	19:08:20	Peak...c/s=75	Qual=01	MaxkeV=57
HXRBS	19:07:45	19:08:20	19:08:55			
Event # = 1717	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 19:55	19:55	20:00	19:53:40	Importance=C6	Qual=01	
GOES	19:50	19:55	19:59:20	Peak...c/s=101	Qual=01	MaxkeV=57
HXRBS	19:59:00	19:59:20	19:59:35	Associated Event # = 1715	Tot Cts=525	
HXRBS	19:53:40	19:55:20	19:55:40	Qual=01	MaxkeV=57	
HXRBS	19:55:50	19:57:35	19:58:15	Associated Event # = 1716	MaxkeV=57	
HXRBS	19:55:50	19:57:35	19:58:15	Qual=01	MaxkeV=57	
Event # = 1718	DOY=321	Peak	End times	SMM Pointing:	N00W00	H. Ang=3deg
80/11/16, 20:01	20:01	20:06	20:00:35	Importance=C6	Qual=01	
GOES	20:00	20:01	20:01:15	Peak...c/s=622	Qual=01	MaxkeV=132
HXRBS	20:00:35	20:01:15	20:03:25		Tot Cts=12920	

Event # = 1719									
80/11/16, 20:09	DOY=321								H. Ang=3deg
Start	Peak								
G0ES 20:06	20:09	20:12							
HXRBS 20:05:45	20:06:55	20:09:35							
SMM Pointing: NO0W00									
Importance=M1									
Peak...c/s=169									
Tot Cts=6900									
MaxkeV=57									
Event # = 1720									
80/11/16, 20:28	DOY=321								H. Ang=3deg
Start	Peak								
Optical									
G0ES 20:12	20:28	20:57							
HXRBS 20:16:35	20:22:20	20:32:35							
Radio	Frequency(MHz)/Flux(sfu):	245/100	410/110	606/77	1415/30	2695/44	4995/110	8800/170	
SMM Pointing: NO0W00									
Ha...Class=SF									
Importance=M3									
Peak...c/s=1572									
Tot Cts=2,28E+5									
MaxkeV=272									
Carr. Lon. = 342deg									
Event # = 1721									
80/11/16, 21:49	DOY=321								H. Ang=3deg
Start	Peak								
Optical									
G0ES 21:46	21:49	21:52							
HXRBS 21:47:35	21:48:40	21:50:30							
SMM Pointing: NO0W00									
Ha...Class=SF									
Importance=C6									
Peak...c/s=66									
Mac. = EAI									
MaxkeV=57									
Event # = 1722									
80/11/17, 05:49	DOY=322								H. Ang=3deg
Start	Peak								
Optical									
G0ES 05:42	05:49	06:01							
HXRBS 05:42:10	05:46:25	05:50:30							
Radio	Frequency(MHz)/Flux(sfu):	245/40	410/100	606/22	1415/20	2695/21	4995/16	8800/18	
SMM Pointing: NO0W00									
Ha...Class=1B									
Importance=M1									
Peak...c/s=160									
Tot Cts=15332									
MaxkeV=57									
Event # = 1723									
80/11/17, 09:22	DOY=322								H. Ang=3deg
Start	Peak								
Optical									
G0ES 09:16	09:22	09:37							
HXRBS 09:17:35	09:21:35	09:23:55							
Radio	Frequency(MHz)/Flux(sfu):	245/22	410/140	606/19	4995/18	8800/22			
SMM Pointing: NO0W00									
Ha...Class=SB									
Importance=M1									
Peak...c/s=131									
Tot Cts=7600									
MaxkeV=57									
Event # = 1724									
80/11/17, 13:42	DOY=322								H. Ang=2deg
Start	Peak								
Optical									
G0ES 13:32	13:42	14:22							
HXRBS 13:33:50	13:37:50	13:53:20							
Radio	Frequency(MHz)/Flux(sfu):	1415/5	2695/15	4995/49	8800/85	15400/21			
SMM Pointing: NO0W00									
Ha...Class=SB									
Importance=M5									
Peak...c/s=3110									
Tot Cts=7,21E+5									
MaxkeV=132									
Event # = 1725									
80/11/17, 15:47	DOY=322								H. Ang=2deg
Start	Peak								
Optical									
G0ES 15:43	15:47	15:53							
HXRBS 15:44:10	15:46:25	15:47:30							
HXRBS 15:48:15	15:48:45	15:49:21							
SMM Pointing: NO0W00									
Ha...Class=SF									
Importance=C3									
Peak...c/s=207									
Tot Cts=6720									
MaxkeV=132									
Associated Event # = 1726									
Tot Cts=799									
MaxkeV=57									

Event # = 1733			SMM Pointing:			Pitch=+203", Yaw=-949", Roll=0deg			H. Ang=86deg		
80/11/18,10:39	DOY=323	End times									
Start	Peak	10:40									
GOES 10:38	10:39	10:40	Importance=C2								
HXRBS 10:37:50	10:39:00	10:40:05	Peak...c/s=99						MaxkeV=57		
Event # = 1734			SMM Pointing:			Pitch=+203", Yaw=-949", Roll=0deg			H. Ang=86deg		
80/11/18,11:46	DOY=323	End times									
Start	Peak	11:51									
Optical	11:40	11:51	Ha...Class=1B			AR2793					
GOES 11:40	11:46	11:51	Importance=M1						H. Ang=49deg		
HXRBS 11:40:55	11:41:15	11:43:55	Peak...c/s=289			Tot Cts=9100					
Radio	Frequency(MHz)/Flux(sfu):	2695/16 4995/22				Flags=M					
-----			Associated Event # = 1735								
HXRBS 11:45:20	11:45:35	11:46:15	Peak...c/s=76						MaxkeV=57		
Event # = 1736			SMM Pointing:			Pitch=+202", Yaw=-958", Roll=0deg			H. Ang=14deg		
80/11/18,14:17	DOY=323	End times									
Start	Peak	14:20									
Optical	14:15	14:20	Ha...Class=SF			AR2790					
GOES 14:15	14:17	14:20	Importance=C3						H. Ang=14deg		
HXRBS 14:16:55	14:17:25	14:17:51	Peak...c/s=140			Tot Cts=585					
UVSP 14:52	14:52	14:53	Wavelength=1213A			Exp #=16373			Rast=180"x1" Pitch=+261", Yaw=-863"		
Radio	Frequency(MHz)/Flux(sfu):	245/67 410/85 606/69									
Event # = 1737			SMM Pointing:			Pitch=+203", Yaw=-955", Roll=0deg			H. Ang=90deg		
80/11/18,14:55	DOY=323	End times									
Start	Peak	15:15									
Optical	14:46	15:15	Code=ASR			AR2779					
Optical	14:55	15:15	Ha...Class=SB			AR2790			H. Ang=15deg		
GOES 14:46	14:55	15:15	Importance=M3								
HXRBS 14:50:20	14:52:05	15:00:10	Peak...c/s=6890			Tot Cts=3.42E+5			XEN=32300		
BGS 16:26	16:26	16:40	CaPeak.c/s=37			FePeak.c/s=13			Step=10" Cad= 590s		
FCS 16:32	16:32	16:40	Peak3...c/s=388			Rast=240"x240"			Step=10" Cad= 590s		
HXIS 14:53	14:53	14:53	Peak...c/s=2484			Rast=180"x1"			Step=0" Pitch=+261", Yaw=-863"		
UVSP 14:52	14:52	14:53	Wavelength=1213A			Code=00					
Radio	Frequency(MHz)/Flux(sfu):	4995/45 8800/140 15400/80				Exp #=16373					
Event # = 1738			SMM Pointing:			Pitch=+203", Yaw=-955", Roll=0deg			H. Ang=36deg		
80/11/18,15:37	DOY=323	End times									
Start	Peak	15:42									
Optical	15:31	15:42	Importance=M1			AR2794					
GOES 15:31	15:37	15:42	Peak...c/s=71						H. Ang=36deg		
HXRBS 15:34:30	15:35:05	15:36:10	Wavelength=1213A			Exp #=16373			Rast=180"x1" Pitch=+261", Yaw=-863"		
UVSP 14:52	14:52	14:53									
Event # = 1739			SMM Pointing:			Pitch=+202", Yaw=-952", Roll=0deg			H. Ang=36deg		
80/11/18,16:53	DOY=323	End times									
Start	Peak	16:54:15									
Optical	16:52:45	16:54:15	Ha...Class=SB			AR2794					
GOES 16:52:45	16:53:05	16:54:15	Peak...c/s=95			N10E35			H. Ang=36deg		
HXRBS 16:52:45	16:53:05	16:54:15	Wavelength=1353A			Qual=06			Carr. Lon.=330deg		
UVSP 16:35	16:35	16:35				Qual=01			MaxkeV=57		
						Exp #=16377			Rast=180"x180" Step=3" Pitch=+174", Yaw=-994"		

Event # = 1743
 80/11/19,04:56 DOY=324
 Start Peak
 Optical
 GOES 04:33 04:56 05:30
 HXRBS 04:34:25 04:39:05 04:39:25
 BCS 04:34 04:38 04:39
 FCS 04:38 04:38
 HXIS 04:40
 SMM Pointing:
 Code=ASR
 Importance=M9
 Peak...c/s=321
 CaPeak.c/s=549
 Peak3...c/s=207
 Peak...c/s=1116
 S10W90
 Qual=02
 Qual=03
 Qual=2
 Tot Cts=33035
 FePeak=04:38
 AR2779
 Carr. Lon.=88deg
 H. Ang=90deg
 MaxkeV=57
 #Peaks=EM
 dt= 3.2s
 XEN=32400
 Rast=120" x120" Step=10" Cad= 147s
 1.024s/pixel
 Pitch=+258", Yaw=-941", Roll=0deg

Event # = 1744
 80/11/19,05:46 DOY=324
 Start Peak
 Optical
 GOES 05:30 05:46 06:00
 HXRBS 05:33:00 05:42:05 05:49:48
 BCS 05:27 05:45 06:14
 FCS 05:52 05:52
 HXIS 05:41
 SMM Pointing:
 Code=ASR
 Importance=M6
 Peak...c/s=1480
 CaPeak.c/s=2658
 Peak3...c/s=3279
 Peak...c/s=3603
 Associated Event # = 20497
 CaPeak.c/s=1500
 Peak3...c/s=2342
 S10W90
 Qual=01
 Qual=01
 Qual=1
 Tot Cts=2.80E+5
 FePeak=05:44
 AR2779
 Carr. Lon.=88deg
 H. Ang=90deg
 MaxkeV=132
 #Peaks=M
 dt= 6.3s
 XEN=32401
 Rast=240" x240" Step=10" Cad= 590s
 1.024s/pixel
 Pitch=+258", Yaw=-944", Roll=0deg

Event # = 1745
 80/11/19,08:55 DOY=324
 Start Peak
 Optical
 GOES 08:49 08:55 09:02
 HXRBS 08:51:40 08:52:00 08:52:30
 UVSP 08:44
 SMM Pointing:
 Ha...Class=SB
 Importance=C4
 Peak...c/s=95
 Wavelength=1353A
 Code=00
 S15W88
 N16W03
 Qual=01
 Qual=01
 Code=00
 Exp #=16412
 AR2790
 Carr. Lon.=359deg
 H. Ang=14deg
 MaxkeV=57
 Rast=180" x180" Step=10" Pitch=+235", Yaw=-976"
 Pitch=+260", Yaw=-937", Roll=0deg

Event # = 1746
 80/11/19,12:40 DOY=324
 Start Peak
 Optical
 GOES 12:35 12:40 12:50
 HXRBS 12:36:15 12:37:15 12:38:22
 UVSP 12:02
 Radio
 Frequency(MHz)/Flux(sfu):
 SMM Pointing:
 Ha...Class=SB
 Ha...Class=SF
 Ha...Class=SF
 Importance=C6
 Peak...c/s=440
 Wavelength=1353A
 Code=00
 2695/30 4995/56 8800/44
 N16W07
 N18W41
 N09E43
 Qual=02
 Qual=01
 Code=00
 Tot Cts=14894
 Exp #=16418
 AR2790
 AR2788
 AR2793
 Carr. Lon.=1deg
 Carr. Lon.=35deg
 Carr. Lon.=311deg
 H. Ang=15deg
 H. Ang=43deg
 H. Ang=43deg
 MaxkeV=132
 Rast=4" x4" Step=0" Pitch=+192", Yaw=-931"
 Mac.=CAO
 Flags=M
 Step=0" Pitch=+192", Yaw=-931"
 Pitch=+259", Yaw=-944", Roll=0deg

Event # = 1747
 80/11/19,13:02 DOY=324
 Start Peak
 GOES 12:50 13:02 13:36
 HXRBS 13:35:55 13:36:10 13:36:21
 BCS 13:11 13:14 13:23
 FCS 13:16 13:16
 HXIS 13:14 13:14
 UVSP 13:13
 SMM Pointing:
 Importance=C9
 Peak...c/s=150
 CaPeak.c/s=75
 Peak3...c/s=207
 Peak...c/s=128
 Wavelength=1350A
 Associated
 Event # = 1748
 Qual=01
 Qual=4
 Tot Cts=927
 FePeak=13:13
 AR2790
 Carr. Lon.=20
 #Peaks=1
 dt= 3.2s
 XEN=32403
 Rast=180" x180" Step=15" Cad= 147s
 1.024s/pixel
 Pitch=+259", Yaw=-944", Roll=0deg
 MaxkeV=132
 FePeak.c/s=20
 #Peaks=1
 dt= 3.2s
 XEN=32403
 Rast=180" x180" Step=15" Cad= 147s
 1.024s/pixel
 Rast=4" x4" Step=0" Pitch=+319", Yaw=-891"
 MaxkeV=132
 Tot Cts=1020
 Exp #=16421
 Rast=4" x4" Step=0" Pitch=+192", Yaw=-939"

80/11/20 DOY=325

Event # = 20499
 80/11/20,04:43 DOY=325
 Start Peak
 Optical
 GOES 04:34 04:43 SMM Pointing: S15W86 H. Ang=87deg
 BCS 04:32 04:35 Ha...Class=IN N13E26 Carr. Lon.=319deg
 FCS 04:34 04:36 Imp...Importance=M1 Qual=02 AR2793
 UVSP 05:22 04:34 CaPeak.c/s=35 Qual=2 FePeak=04:35
 Radio Frequency(MHz)/Flux(sfu): 2695/77 4995/350 8800/440 Exp #=16450
 15400/96
 dt= 6.3s XEN=32500
 Step=0" Cad=30.7s 30.72s/pixel
 Step=0" Pitch=+319", Yaw=-892"

Event # = 1755
 80/11/20,05:29 DOY=325
 Start Peak
 Optical
 GOES 05:28 05:29 SMM Pointing: S15W86 H. Ang=87deg
 HXRBS 05:28:35 05:29:05 Imp...Importance=C1 Qual=01
 BCS 05:22 05:23 Peak...c/s=145 Qual=01 Tot Cts=1751
 FCS 05:25 05:23 CaPeak.c/s=96 Qual=5 FePeak=05:22
 HXIS 05:25 05:23 Peak...c/s=662
 UVSP 05:25 05:23 Peak...c/s=133
 Radio Frequency(MHz)/Flux(sfu): 2695/19 4995/22 8800/13
 Exp #=16453
 Step=10" Pitch=+235", Yaw=-976"

Event # = 20500
 80/11/20,20:33 DOY=325
 Start Peak
 Optical
 GOES 20:29 20:33 SMM Pointing: N11E21 H. Ang=23deg
 BCS 20:32 20:32 Ha...Class=SF N13E17 Carr. Lon.=320deg
 FCS 20:33 20:32 Ha...Class=SF N13W05 Carr. Lon.=342deg
 UVSP 19:48 20:33 Imp...Importance=C1 Qual=03
 CaPeak.c/s=19 Qual=2 FePeak=20:32
 Peak3...c/s=65
 Wavelength=1402A Code=00 Exp #=16502
 Pitch=-153", Yaw=+350", Roll=0deg
 Mac.=EAI
 FePeak.c/s=8 #Peaks=1 XEN=32503
 Rast=0"x0" Cad=30.7s 30.72s/pixel
 Rast=60"x60" Pitch=-173", Yaw=+329"

80/11/21 DOY=326

Event # = 20501
 80/11/21,01:03 DOY=326
 Start Peak
 Optical
 GOES 01:02 01:03 SMM Pointing: N11E19 H. Ang=21deg
 BCS 00:55 01:03 Imp...Importance=B9 Qual=01
 UVSP 00:37 01:10 CaPeak.c/s=10
 Wavelength=1402A Code=00 Exp #=16514
 Pitch=-152", Yaw=+309", Roll=0deg
 Rast=60"x60" Step=3" Pitch=-178", Yaw=+205"

Event # = 1756
 80/11/21,07:44 DOY=326
 Start Peak
 Optical
 GOES 07:40 07:44 SMM Pointing: N11E15 H. Ang=17deg
 HXRBS 07:43:05 07:43:30 Ha...Class=SB N12E14 Carr. Lon.=316deg
 BCS 07:43 07:44 Imp...Importance=C7 Qual=03 H. Ang=17deg
 FCS 07:44 07:44 CaPeak.c/s=2676 Qual=01 Tot Cts=52056
 HXIS 07:44 07:44 Peak...c/s=442 Qual=2 FePeak=07:44
 UVSP 07:43 07:44 Peak...c/s=463
 Radio Frequency(MHz)/Flux(sfu): 2695/17 4995/57 8800/120 15400/100
 Exp #=16529
 Step=0" Pitch=-182", Yaw=+232"

Event # = 20502
 80/11/21,10:04 DOY=326
 Start Peak End times
 GOES 09:58 10:04 12:00
 BCS 10:12 10:12 10:25
 FCS 10:12 10:12
 UVSP 10:24
 Radio Frequency (MHz)/Flux(stf):
 --- 2695/39 4995/94 8800/67
 --- Associated
 --- Qual=1
 BCS 10:30 10:30 10:30
 UVSP 10:30 10:30
 --- Associated
 --- Qual=1
 BCS 10:35 10:35 10:35
 UVSP 10:35 10:35

Event # = 20503
 80/11/21,17:05 DOY=326
 Start Peak End times
 Optical 17:03 17:05 17:09
 GOES 17:02 17:05 17:15
 BCS 17:02 17:05
 UVSP 16:24

Event # = 21064
 80/11/22,04:13 DOY=327
 Start Peak End times
 Optical 03:36 04:13 04:42
 GOES 04:12 04:15 04:15
 BCS 04:12 04:13
 FCS 03:50
 UVSP 03:50
 --- Associated
 --- Qual=1
 BCS 03:57 03:57 03:57
 --- Associated
 --- Qual=1
 BCS 03:59 03:59 03:59
 --- Associated
 --- Qual=1
 BCS 04:02 04:02 04:02

Event # = 1757
 80/11/22,05:35 DOY=327
 Start Peak End times
 Optical 05:29 05:35 05:40
 GOES 05:29 05:35 05:35:16
 HXRBS 05:29:35 05:32:55 05:35:16
 BCS 05:13 05:38 06:05
 FCS 05:53
 UVSP 05:39
 --- Associated
 --- Qual=1
 HXIS 05:25 05:39 06:05
 UVSP 05:25 05:39

Pitch=+0", Yaw=-1", Roll=0deg H. Ang=0deg

FePeak.c/s=12 #Peaks=1 XEN=32601
 Rast=115"x115" Step=5" Cad= 542s 1.024s/pixel
 Rast=120"x120" Step=3" Pitch=-6", Yaw=+960"

FePeak.c/s=8 #Peaks=1 XEN=32602
 Rast=120"x120" Step=3" Pitch=-6", Yaw=-988"
 FePeak.c/s=5 #Peaks=1 XEN=32603
 Rast=120"x120" Step=3" Pitch=+980", Yaw=-14"

Pitch=-152", Yaw=+167", Roll=0deg H. Ang=13deg

Mac.=EAI

Rast=108"x108" Step=3" Pitch=-162", Yaw=+133"

Pitch=-150", Yaw=+54", Roll=0deg H. Ang=9deg

Mac.=EAI Carr. Lon.=314deg H. Ang=10deg

FePeak.c/s=7 #Peaks=1 dt= 6.3s XEN=32703
 Rast=0"x0" Step=0" Cad=30.7s 30.72s/pixel
 Rast=60"x60" Step=4" Pitch=-169", Yaw=-7"

FePeak.c/s=7 #Peaks=1 XEN=32700

FePeak.c/s=7 #Peaks=1 XEN=32701

FePeak.c/s=7 #Peaks=1 XEN=32702

Pitch=-150", Yaw=+51", Roll=0deg H. Ang=9deg

Mac.=EAI Carr. Lon.=320deg H. Ang=9deg

MaxkeV=57 dt= 3.2s XEN=32705
 FePeak.c/s=49 #Peaks=1
 Rast=180"x180" Step=15" Cad= 147s 1.024s/pixel

Rast=60"x60" Step=4" Pitch=-153", Yaw=-82"

80/11/28		DOY=333		H. Ang=1deg	
Event # = 1779					
80/11/28, 01:48	DOY=333				
Start	Peak	SMM Pointing:			
GOES 01:46	01:48	Importance=C2			
HXRBS 01:47:30	01:47:50	Peak...c/s=53	MaxkeV=58		
Event # = 1780					
80/11/28, 09:55	DOY=333				
Start	Peak	SMM Pointing:			
Optical		Ha...Class=SB			
GOES 09:38	09:55	Importance=M1			
HXRBS 09:37:40	09:49:00	Peak...c/s=544	Mac.=EKO		
Radio	Frequency(MHz)/Flux(sfu):	1415/13 2695/30	AR2810		
		4995/30 8800/43 15400/34			
Event # = 1781					
80/11/28, 13:31	DOY=333				
Start	Peak	SMM Pointing:			
GOES 13:29	13:31	Importance=C3			
HXRBS 13:30:00	13:30:55	Peak...c/s=71	MaxkeV=58		
Event # = 1782					
80/11/28, 14:45	DOY=333				
Start	Peak	SMM Pointing:			
GOES 14:31	14:45	Importance=M1			
HXRBS 14:29:50	14:36:20	Peak...c/s=405			
Radio	Type/Intensity:	11/3			
	Frequency(MHz)/Flux(sfu):	245/35 606/57 1415/22			
Event # = 1783					
80/11/29, 14:41	DOY=334				
Start	Peak	SMM Pointing:			
Optical		Ha...Class=SN			
GOES 14:38	14:41	Importance=C1			
HXRBS 14:40:20	14:40:55	Peak...c/s=139	Mac.=EKO		
Radio	Frequency(MHz)/Flux(sfu):	410/13 606/22 1415/29 2695/17 4995/13	AR2810		
Event # = 1784					
80/11/30, 06:31	DOY=335				
Start	Peak	SMM Pointing:			
Optical		Ha...Class=SN			
GOES 06:28	06:31	Importance=C1			
HXRBS 06:30:30	06:31:00	Peak...c/s=72	Mac.=EKI		
			MaxkeV=58		
Event # = 1785					
80/11/30, 14:47	DOY=335				
Start	Peak	SMM Pointing:			
Optical		Ha...Class=SN			
GOES 14:45	14:47	Importance=C1			
HXRBS 14:47:00	14:47:35	Peak...c/s=112	Mac.=EKI		
			MaxkeV=58		

Event # = 1810
 80/12/05, 11:32 DOY=340 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 GOES 11:31 11:32 11:42 Importance=C3 Qual=01
 HXRBS 11:31:50 11:32:10 11:33:28 Peak...c/s=135 MaxkeV=58
 HXRBS 11:34:26 11:35:03 11:35:27 Peak...c/s=89 Associated Event # = 5753
 Qual=01 MaxkeV=58
 Flags=I

80/12/06 DOY=341
 Event # = 1811
 80/12/06, 12:44 DOY=341 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 GOES 12:41 12:44 12:50 Importance=C1 Qual=01
 HXRBS 12:41:45 12:42:20 12:43:00 Peak...c/s=72 MaxkeV=58

Event # = 1812
 80/12/06, 13:16 DOY=341 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 GOES 13:13 13:16 13:25 Importance=C2 Qual=02
 HXRBS 13:10:55 13:11:25 13:12:00 Peak...c/s=78 MaxkeV=58

Event # = 1813
 80/12/06, 14:40 DOY=341 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 GOES 14:09 14:40 14:53 Importance=M1 Qual=04
 HXRBS 14:45:25 14:46:50 14:48:22 Peak...c/s=133 MaxkeV=133
 Flags=M

Event # = 1815
 80/12/06, 22:19 DOY=341 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 Optical
 GOES 21:50 22:19 22:30 Ha...Class=SN S13W53 AR2810 Mac. =EKI Carr. Lon. =178deg
 HXRBS 21:58:25 21:59:00 21:59:23 Importance=C4 Qual=01 MaxkeV=58
 Radio Frequency(MHz)/Flux(sfu): 410/410 2695/70 Tot Cts=1030
 HXRBS 21:50:15 21:51:10 21:52:18 Peak...c/s=105 Associated Event # = 1814
 HXRBS 22:16:30 22:17:00 22:17:55 Peak...c/s=80 Qual=01 MaxkeV=58
 Associated Event # = 1816
 MaxkeV=58

Event # = 1817
 80/12/06, 23:39 DOY=341 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 GOES 23:38 23:39 23:40 Importance=C1 Qual=01
 HXRBS 23:38:40 23:38:45 23:39:05 Peak...c/s=97 MaxkeV=58

80/12/07 DOY=342
 Event # = 1818
 80/12/07, 01:55 DOY=342 SMM Pointing: N00W00 H. Ang=0deg
 Start Peak End times
 Optical
 GOES 01:47 01:55 02:03 Ha...Class=1N N15E80 AR2826 Mac. =BXO Carr. Lon. =43deg
 HXRBS 01:49:55 01:50:25 01:51:35 Importance=C3 Qual=03 MaxkeV=58
 Radio Sweeps Type/Intensity: III/I V/I
 Radio Frequency(MHz)/Flux(sfu): 245/420 410/16 606/48

80/12/08		DOY=343		80/12/09		DOY=344		80/12/10		DOY=345	
Event # = 1819	80/12/08,07:23	DOY=343	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Ha...Class=SN							H. Ang=0deg
GOES	07:10	07:23	07:40	Importance=C3	N14E64						H. Ang=65deg
HXRBS	07:21:30	07:22:10	07:23:10	Peak...c/s=73	Qual=04	AR2826					
Radio Sweeps	Type/Intensity:			III/1	Qual=01						
Radio	Frequency(MHz)/Flux(sfu):			245/44							
Event # = 6754	80/12/08,20:39	DOY=343	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Ha...Class=SB							H. Ang=0deg
GOES	20:35	20:39	20:58	Importance=C3	N14E55						H. Ang=56deg
HXRBS	20:36:07	20:36:29	20:37:08	Peak...c/s=83	Qual=03	AR2826					
Radio Sweeps	Type/Intensity:			II/2	Qual=01						
Event # = 1820	80/12/09,01:29	DOY=344	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Importance=C2							H. Ang=0deg
GOES	01:28	01:29	01:32	Peak...c/s=78	Qual=01						
HXRBS	01:24:50	01:28:10	01:30:22		Qual=01	Tot Cts=1422					
Event # = 1821	80/12/09,21:47	DOY=344	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Ha...Class=SN							H. Ang=0deg
GOES	21:42	21:47	21:51	Importance=C2	N17E39						H. Ang=42deg
HXRBS	21:42:05	21:42:35	21:42:50	Peak...c/s=91	Qual=01	AR2826					
Event # = 1822	80/12/10,03:13	DOY=345	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Ha...Class=SB							H. Ang=0deg
GOES	03:10	03:13	03:15	Importance=C3	N16E37						H. Ang=40deg
HXRBS	03:11:05	03:12:35	03:13:05	Peak...c/s=137	Qual=01	AR2826					
Event # = 1823	80/12/10,09:21	DOY=345	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Code=BSL							H. Ang=0deg
GOES	09:12	09:21	09:35	Importance=C5	S11W90						H. Ang=90deg
HXRBS	09:14:10	09:19:25	09:24:29	Peak...c/s=95	Qual=01	Tot Cts=7452					
Event # = 1824	80/12/10,09:58	DOY=345	Peak	SMM Pointing:	N00W00						
Optical	Start	End times		Importance=M1							H. Ang=0deg
GOES	09:36	09:58	10:05	Peak...c/s=81	Qual=02						
HXRBS	09:40:15	09:41:10	09:43:20		Qual=01	MaxkeV=58					

Event # = 1834									
80/12/12, 21:24	DOY=347	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=SB		N13E03				
GOES 21:00	21:24	21:30	Importance=C3		Qual=05				H. Ang=14deg
HXRBS 21:21:50	21:23:50	21:24:50	Peak...c/s=51		Qual=01	AR2826	Mac.=EKI	Carr. Lon.=43deg	
							MaxkeV=58		
80/12/13 DOY=348									
Event # = 1835									
80/12/13, 03:13	DOY=348	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=SM		N03E63				
GOES 03:05	03:13	03:24	Importance=C8		Qual=02				H. Ang=63deg
HXRBS 03:05:15	03:06:20	03:08:30	Peak...c/s=75		Qual=01	AR2840	Mac.=DKC	Carr. Lon.=340deg	
Radio	Frequency(MHz)/Flux(sfu):		2695/10 4995/19 8800/35				MaxkeV=58		
80/12/13 DOY=348									
Event # = 1836									
80/12/13, 05:44	DOY=348	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=1N		N15E55				
Optical			Ha...Class=SN		N13W10				H. Ang=57deg
GOES 05:40	05:44	05:50	Importance=C8		Qual=02	AR2838	Mac.=CSO	Carr. Lon.=347deg	
HXRBS 05:43:30	05:44:05	05:44:50	Peak...c/s=86		Qual=01	AR2826	MaxkeV=58	Carr. Lon.=52deg	
80/12/14 DOY=349									
Event # = 1837									
80/12/14, 10:55	DOY=349	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=SB		N05E52				
GOES 10:53	10:55	11:01	Importance=C2		Qual=01				H. Ang=52deg
HXRBS 10:53:00	10:53:45	10:54:05	Peak...c/s=80		Qual=01	AR2840	Mac.=DKC	Carr. Lon.=334deg	
Radio	Frequency(MHz)/Flux(sfu):		8800/25				MaxkeV=58		
80/12/14 DOY=349									
Event # = 1838									
80/12/14, 14:10	DOY=349	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=1N		N15E51				
GOES 14:03	14:10	14:20	Importance=C4		Qual=01				H. Ang=53deg
HXRBS 14:08:05	14:08:25	14:08:50	Peak...c/s=83		Qual=01	AR2841	Mac.=EAI	Carr. Lon.=333deg	
Radio	Frequency(MHz)/Flux(sfu):		4995/29 8800/33				MaxkeV=58		
80/12/14 DOY=349									
Event # = 1840									
80/12/14, 14:55	DOY=349	Peak	SMM Pointing:		N00W00				H. Ang=1deg
Optical			Ha...Class=SN		N05E41				
GOES 14:50	14:55	15:03	Importance=C4		Qual=01				H. Ang=41deg
HXRBS 14:52:35	14:54:55	14:55:59	Peak...c/s=118		Qual=01	AR2840	Mac.=DKC	Carr. Lon.=342deg	
							MaxkeV=58		
HXRBS 14:50:10	14:50:40	14:51:20	Peak...c/s=73		Qual=01		MaxkeV=58		

Event # = 1855	DOY=352	SMM Pointing:	N00W00	H. Ang=1deg
80/12/17, 23:01	Peak	Ha...Class=SB	AR2826	Carr. Lon.=41deg
Optical		Importance=C8		Mac.=DAI
GOES 22:54	23:01	Peak...c/s=404		MaxkeV=133
HXRBS 22:55:10	22:57:35	606/67 1415/210	Tot Cts=24271	
Radio		Frequency(MHz)/Flux(sfu):	2695/73 4995/42 8800/44	
80/12/18 DOY=353				
Event # = 1856	DOY=353	SMM Pointing:	N00W00	H. Ang=1deg
80/12/18, 01:48	Peak	Ha...Class=1B	AR2840	Carr. Lon.=338deg
Optical		Importance=M2		Mac.=EKI
GOES 01:39	01:48	Peak...c/s=217		MaxkeV=58
HXRBS 01:47:15	01:47:40	III/2	Tot Cts=7289	Flags=SN
Radio Sweeps		Type/Intensity:	410/93 606/92 1415/24 2695/140 4995/320 8800/520 15400/160	
Radio		Frequency(MHz)/Flux(sfu):		
Event # = 1857	DOY=353	SMM Pointing:	N00W00	H. Ang=1deg
80/12/18, 19:22	Peak	Ha...Class=SN	AR2840	Carr. Lon.=339deg
Optical		Importance=C5		Mac.=EKI
GOES 19:21	19:22	Peak...c/s=6038		MaxkeV=513
HXRBS 19:21:10	19:21:20	Max.E.MeV= 0.6	Tot Cts=27052	
GRS 19:21:13	19:21:29	II/3	Nuclear.Line=N	Dur=16sec
Radio Sweeps		Type/Intensity:	1415/120 2695/170 4995/280 8800/540 15400/630	
Radio		Frequency(MHz)/Flux(sfu):		
Event # = 1858	DOY=353	SMM Pointing:	N00W00	H. Ang=1deg
80/12/18, 19:34	Peak	Importance=C1		
Optical		Peak...c/s=98		
GOES 19:33	19:34	245/580		
HXRBS 19:33:55	19:34:05		MaxkeV=58	
Radio		Frequency(MHz)/Flux(sfu):		
80/12/19 DOY=354				
Event # = 1859	DOY=354	SMM Pointing:	N00W00	H. Ang=2deg
80/12/19, 16:27	Peak	Ha...Class=IN		
Optical		Importance=C5		
GOES 16:08:05	16:27:15	Peak...c/s=128		
HXRBS		Qual=03	Tot Cts=32516	Flags=ES
Radio		Frequency(MHz)/Flux(sfu):		
Event # = 1860	DOY=354	SMM Pointing:	N00W00	H. Ang=2deg
80/12/19, 20:14	Peak	Ha...Class=IN	AR2840	Carr. Lon.=340deg
Optical		Importance=C5		Mac.=DKI
GOES 20:12	20:14	Peak...c/s=288		MaxkeV=133
HXRBS 20:12:15	20:12:40	2695/15 4995/61	Tot Cts=11757	
Radio		Frequency(MHz)/Flux(sfu):	8800/110 15400/23	
80/12/20 DOY=355				
Event # = 8586	DOY=355	SMM Pointing:		
80/12/20, 18:30	Peak	Peak...c/s=86		
HXRBS 18:30:50	18:30:54	Qual=01	Tot Cts=283	Flags=NS
Radio		Frequency(MHz)/Flux(sfu):		

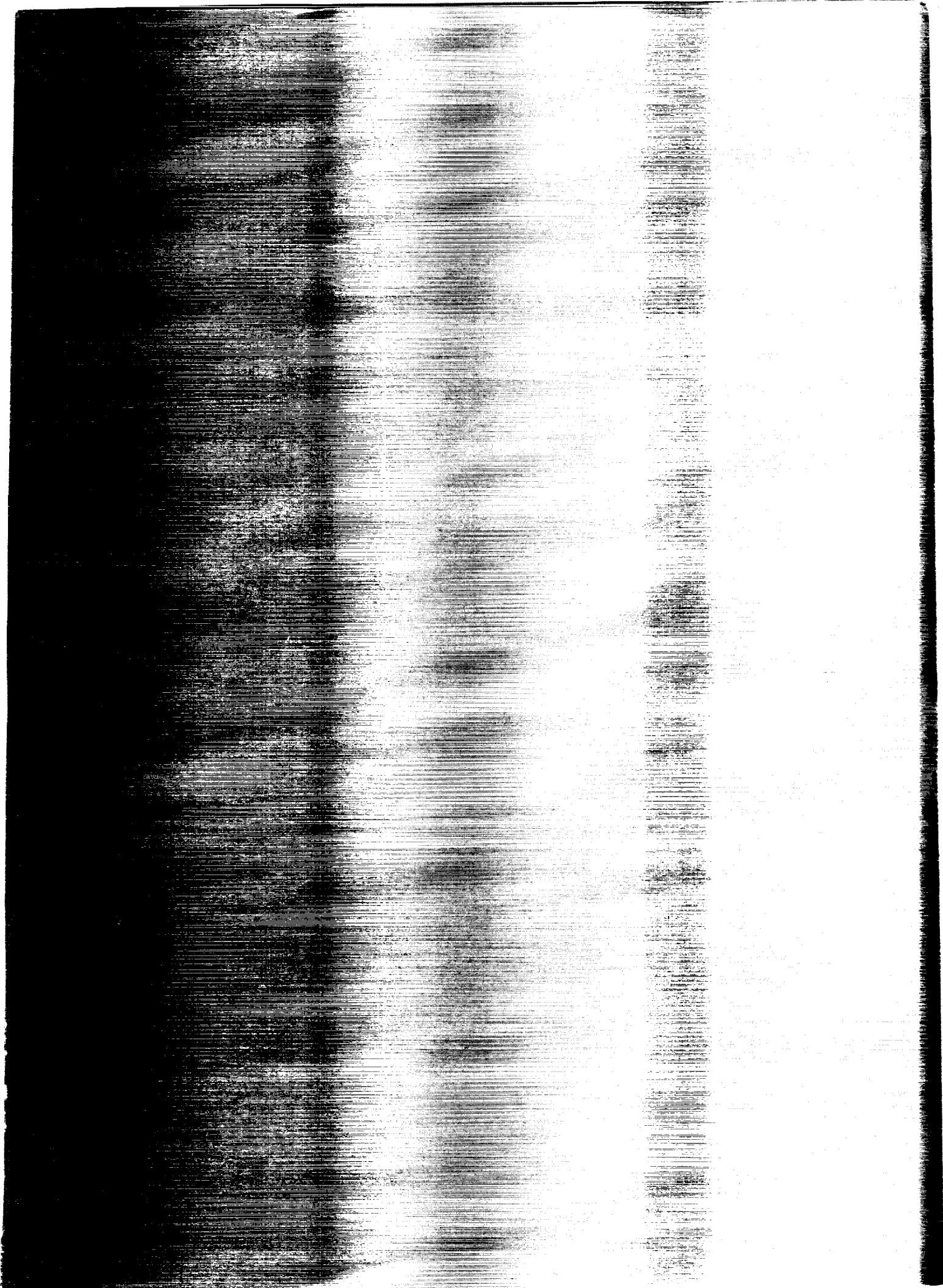
Event # = 1861		80/12/21		DOY=356	
80/12/21,04:02	DOY=356	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 03:59	04:02	04:07		S19W53	H. Ang=2deg
HXRBS 03:59:50	04:00:30	04:01:57		Qual=01	
Radio Sweeps	Type/Intensity:	II/2	III/3	AR2839	Carr. Lon.=350deg
				Tot Cts=2506	Mac.=HRX
					MaxkeV=58
Event # = 1862					
80/12/21,21:33	DOY=356	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES		Ha...Class=SF			
HXRBS 21:33:05	21:33:15	21:33:42		AR2841	H. Ang=2deg
				Qual=00	
				Qual=01	Carr. Lon.=330deg
				Tot Cts=764	Mac.=BX0
					MaxkeV=58
Event # = 1863					
80/12/22,02:09	DOY=357	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 02:04	02:09	02:19		N14W45	H. Ang=2deg
HXRBS 02:04:35	02:05:50	02:05:55		Qual=01	
				Qual=01	Carr. Lon.=330deg
					Mac.=BX0
					MaxkeV=58
Event # = 1864					
80/12/22,15:02	DOY=357	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 14:59	15:02			N06W37	H. Ang=2deg
HXRBS 15:01:05	15:01:20	15:02:09		Qual=01	
Radio	Frequency(MHz)/Flux(sfu):	245/150	410/120	AR2843	Carr. Lon.=315deg
				Qual=01	
				Tot Cts=1184	Mac.=CS0
				606/320	MaxkeV=58
				1415/47	
				2695/22	
Event # = 1865					
80/12/23,21:17	DOY=358	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 21:12	21:17	21:20		S13E90	H. Ang=2deg
HXRBS 21:14:10	21:15:50	21:18:32		Qual=01	
GRS 21:15:03	21:16:41	21:16:41		Qual=01	
Radio	Frequency(MHz)/Flux(sfu):	245/170		AR2857	Carr. Lon.=171deg
				Tot Cts=72137	Mac.=DS0
				Nuclear.Line=N	MaxkeV=275
					Dur=98sec
Event # = 1866					
80/12/24,10:03	DOY=359	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 10:02	10:03	10:04		N00W00	H. Ang=2deg
HXRBS 10:02:25	10:02:40	10:02:55		Qual=01	
				Qual=01	
					MaxkeV=58
Event # = 1867					
80/12/24,10:55	DOY=359	Start	Peak	N00W00	
Optical		SMM Pointing:			
GOES 10:52	10:55	10:57		N00W00	H. Ang=2deg
HXRBS 10:54:30	10:54:55	10:55:15		Qual=05	
				Qual=01	
					MaxkeV=58



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16. Abstract This document contains information on solar burst and transient activity observed by the Solar Maximum Mission (SMM) during 1980 pointed observations. Data from the following SMM experiments are included: 1) Gamma Ray Spectrometer, 2) Hard X-Ray Burst Spectrometer, 3) Hard X-Ray Imaging Spectrometer, 4) Flat Crystal Spectrometer, 5) Bent Crystal Spectrometer, 6) Ultraviolet Spectrometer and Polarimeter, and 7) Coronagraph/Polarimeter. Correlative optical, radio, and Geostationary Operational Environmental Satellite (GOES) X-ray data are also presented. Where possible, bursts or transients observed in the various wavelengths were grouped into discrete flare events identified by unique event numbers. Each event carries a qualifier denoting the quality or completeness of the observations. Spacecraft pointing coordinates and flare site angular displacement values from sun center are also included.					
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