

**MID-LATITUDE GEOMAGNETIC INDICES  
ASY and SYM**

**(PROVISIONAL)**

**No.12**

**2001**

**January 2002**

**DATA ANALYSIS CENTER FOR GEOMAGNETISM  
AND SPACE MAGNETISM  
GRADUATE SCHOOL OF SCIENCE  
KYOTO UNIVERSITY**





**MID-LATITUDE GEOMAGNETIC INDICES  
ASY and SYM**

**(PROVISIONAL)**

**No.12**

**2001**

**January 2002**

**DATA ANALYSIS CENTER FOR GEOMAGNETISM  
AND SPACE MAGNETISM  
GRADUATE SCHOOL OF SCIENCE  
KYOTO UNIVERSITY**





# Mid-latitude Geomagnetic Indices "ASY" and "SYM" for 2001 (Provisional)

## 1. Introduction

To describe the geomagnetic disturbance fields in mid-latitudes with high-time (i.e. 1 minute) resolution, a longitudinally asymmetric (ASY) and a symmetric (SYM) disturbance index are introduced and derived for both H and D components, that is, for the components in the horizontal (dipole pole) direction H (SYM-H, ASY-H) and in the orthogonal (East-West) direction D (SYM-D, ASY-D). The symmetric disturbance field in H, SYM-H, is essentially the same as Sugiura's hourly Dst index (Sugiura and Poros, 1971), although we use 1 minute values from different sets of stations and a slightly different coordinate system. Similarly, the ASY-H asymmetric disturbance component in H is close to the asymmetric indices proposed by Kawasaki and Akasofu (1971), Crooker and Siscoe (1971), or Clauer et al. (1983). The ASY-D used in this data book was introduced and discussed in Iyemori (1990, 1996). It has been shown that the variation of the asymmetric H component correlates well with the AE index (e.g. Crooker, 1972; Clauer and McPherron, 1980). The results of an examination of the correlation between the ASY-D and the AE indices or the IMF-Bz and a discussion of the meaning of these indices will be published in somewhere else. Although there exists rather a good correlation between both ASYs and the AE indices, it should be noted that there are some essential differences between them and we should be careful when we use the ASY indices as a monitor of disturbances in the polar region.

## 2. Method of derivation

Shown in Table 1 and Figure 1 are a listing of geomagnetic observatories used here and their distribution in the geomagnetic dipole coordinate system respectively. It should be noted that some of the stations used here (i.e. Fredericksburg, Boulder, Tucson, Memambetsu, Martin de Vivies and Chambon-la-Forêt) are at higher latitudes than those used in the derivation of Sugiura's standard Dst index (i.e. Honolulu, Kakioka, Alibag, Hermanus and San Juan). Only six of the stations are used for the derivation of each month, some stations being replaced by others depending on the availability and the condition of the data of the month. The combination of stations used is shown on the frame of each plot. The data are processed in units of one month. Therefore some gap in the magnitude is seen between successive months. The derivation procedure essentially consists of the following four steps:

- (1) Subtraction of the geomagnetic main field and the Sq (solar quiet daily variation) field to calculate the disturbance field component.
- (2) Coordinate transformation to a dipole coordinate system.
- (3) Calculation of the longitudinally symmetric component (i.e. six station average) and the asymmetric component (i.e. disturbance field minus the symmetric component).
- (4) Derivation of the asymmetric indices (i.e. the range between the maximum and the minimum asymmetric fields).

A detailed description of the derivation and the characteristics of the indices will appear elsewhere. The following is a rough explanation of each step of the derivation.

TABLE 1.

STATION NAME	ABB CODE	G.G. LAT.	G.G. LONG.	G.M. LAT.	G.M. LONG.	INVARIANT LAT.	ROTATION ANGLE
San Juan	SJG	18.4	293.9	29.1	5.2	32.5	-8.9
Fredericksburg	FRD	38.2	282.6	49.1	352.2	50.4	0.4
Boulder	BOU	40.1	254.8	48.7	319.0	49.1	2.5
Tucson	TUC	32.3	249.2	40.4	314.6	39.7	2.7
Honolulu	HON	21.3	202.0	21.5	268.6	20.2	0.5
Memambetsu	MMB	43.9	144.2	34.6	210.2	34.9	-16.1
Urumqi	WMQ	43.8	87.7	33.7	162.0	36.5	7.66
Alibag	ABG	18.6	72.9	9.9	145.8	—	6.8
Martin de Vivies	AMS	-37.8	77.6	-46.9	142.8	48.6	-32.4
Hermanus	HER	-34.4	19.2	-33.7	82.7	43.6	-10.1
Chambon-la-Foret	CLF	48.0	2.3	50.1	85.7	45.7	13.6

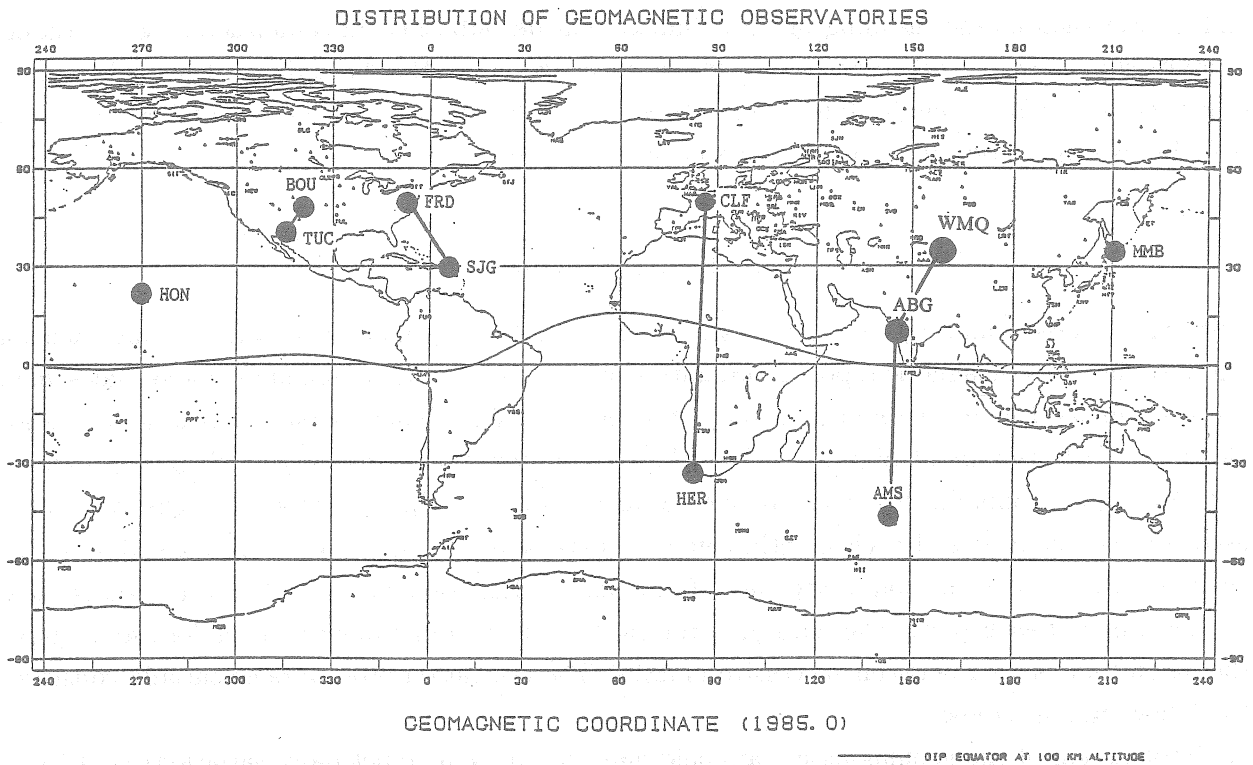


Figure 1. Data are obtained at the observatories shown by the solid circles. The stations replaced with each other are connected by solid lines.

Note: In this issues, the data observed at HON, TUC, BOU, SJG and FRD stations were taken from RGON database which contains the provisional data without base-line control.



### (1) Subtraction of the main field and the Sq field

The geomagnetic field consists of the main field, the solar quiet daily variation and the disturbance field. To get the disturbance field, the geomagnetic main field and the Sq field have to be subtracted. To calculate the base value including the Sq field, the data of international five quiet days are used. That is, the original data of the international 5-Q days of the month that include the Sq field as well as the geomagnetic main field are averaged every minute and fitted by B-spline functions. For some special cases where some of the 5-Q days are not suitable for the purpose because of missing data etc., another quiet day is selected from international 10 quiet days of the month. The period used for the quiet days is marked by the symbol 'Q' in the hourly value tables. The fitted values are then subtracted from original data to get the disturbance component.

### (2) Coordinate transformation

In a geomagnetic storm period, the ring current is the main source of the disturbance field in the H component observed at mid-latitudes. As the ring current flows in the magnetosphere at a distance of several  $R_e$  (radius of the Earth) and in the equatorial plane, its geomagnetic effect should be nearly parallel to the dipole axis. On the other hand, the H direction at each observatory is generally different from the dipole pole direction because of the non-dipole component or local geomagnetic anomalies. Therefore the ring current effect is mixed into the D component. To minimize the ring current effect in the D-component, the data are transformed to the dipole coordinate system at each station. The differences between the dipole pole position and local geomagnetic direction are shown in Table 1.

### (3) Calculation of the symmetric components SYM-H and SYM-D

The longitudinally symmetric component is calculated by averaging the disturbance component at each minute for the 6 stations. For the H component, a latitudinal correction is made on the averaged value to get the value (SYM-H) which corresponds to Sugiura's equatorial Dst index, that is, it is divided by the 6-station average of  $\cos\theta_m$ , where  $\theta_m$  is the dipole latitude of each station, though the stations used, the coordinate system and the method to subtract the base value with Sq current effect are different from his method of derivation. On the symmetric component of D (SYM-D), we make no latitudinal correction at all.

### (4) Calculation of the asymmetric disturbance indices, ASY-H and ASY-D

The asymmetric component at each station is obtained by subtracting the symmetric component from each disturbance field. For the H component, the symmetric part is subtracted after making a latitudinal correction assuming that the SYM-H represents the magnitude of the uniform field parallel to the dipole axis generated by the ring current. After subtracting the symmetric part, a latitudinal correction is made by multiplying the normalization coefficient for each station which is determined empirically as the standard deviations of the asymmetric variation for the 6 stations become equal.

The ASY-H and the ASY-D indices are defined as the range between the maximum and the minimum deviation at each moment for the H and the D component, respectively.

### 3. Explanation of the plots and hourly tables

Each frame of the plots in this data book covers a period of two days. The upper panel shows, from top to bottom, ASY-D, ASY-H (positive downward), SYM-D (thin line) and SYM-H (thick line). The lower panel shows the magnetic local time where the maximum (+) and minimum (-) asymmetric deviations are observed. For periods when one or more stations have no data, a dark bar with height proportional to the number of stations with missing data, is drawn at the bottom of the panel. A storm sudden commencement (SSC) and the start time of a solar flare effect (SFE) are indicated by solid and open triangles, respectively. The SSCs and SFEs are taken from the Solar Geophysical Data published by NOAA/NGDC. Cases where the highest quality of the SSC reported is 'C' or only one station reports an SFE are not indicated here. Therefore there may be many SSCs and SFEs not indicated by the symbols on these plots.

The hourly averaged value of the ASY-D and ASY-H indices are tabulated every month. The hourly SYM-H index is not tabulated to avoid confusion with the hourly Dst index. Instead of the tables of the SYM-H index, a comparison (i.e. the correlation plots) between the hourly SYM-H and the provisional Dst index is shown in Figures 3 (a) - (b). The hourly SYM-D index is also not tabulated because the stations are insufficiently well distributed to properly treat the symmetric disturbance of the D component. The quiet days used for the calculation of the base line are marked by a symbol 'Q'. Most of the days correspond to the international 5-quiet days.

### 4. Comparison with the AE indices and the Dst index

Figures 2-a and 2-b are examples of a comparison between the ASY and SYM indices and the auroral electrojet indices, AE. Figure 2-a shows a rather disturbed period and Figure 2-b shows a moderately disturbed period. From these plots, the qualitative similarities and the differences between the ASY and AE indices can be seen. The main qualitative differences are seen in the spectral characteristics and in the sensitivity to minor substorm activity. The ASY indices are more smoothly varying and it is rather difficult for them to reflect minor substorm activity in the polar region. A quantitative comparison will appear elsewhere. Users should be aware that the ASY indices should not be used as substitutes for the AE indices, although there are some similarities between them.

A comparison of the hourly SYM-H index with the provisional Dst index is shown in Figures 3 (a) - (b). We see some offset between the two indices which come from the difference in the method to determine the base values. The base value at each station is more carefully determined for the hourly Dst index taking into account the geomagnetic secular variation than for this provisional SYM-H index. The main difference between the 1 minute SYM-H and the hourly Dst index is the time resolution, and the effects of the solar wind dynamic pressure variation are more clearly seen in the SYM-H than in the hourly Dst index.

### 5. Future improvements

The indices plotted in this data book are provisional in the sense that the combination of the stations could be changed in future to get more stable results with minimum universal time and



seasonal dependence. It is necessary to continue the provisional derivation of the indices for some more years until the optimal method and the best combination of stations are established. The availability of the digital data could be changed and it will also be necessary to try to get the digital geomagnetic data from more suitable locations. Modification of the procedure for real-time derivation may also be necessary in future.

#### 6. Post-Script files of the plots and WWW homepage service

The Post-Script files of the plots shown in the latest issue are available from anonymous FTP directory at our data center. The IP address and the directory are as follows:

IP address: 130.54.59.253 (swdcdcb)

Directory: anonymous

Change directory is necessary after logging in as follows:

ftp> cd data

ftp> cd asyplot

Each file is compressed and has a name YYMMD1-D2.ps.gz (for example, 011123-24.ps.gz). Files should be transferred in binary mode and uncompressed.

Plots with the AE indices for the period when the AE indices have been derived are also available from our home page:

<http://swdcdcb.kugi.kyoto-u.ac.jp/>

#### *Acknowledgments*

The data used in this data book were kindly provided by the U.S. Geological Survey (HON, BOU, FRD, SJD, and TUC) through the World Data Center A for STP, the Hermanus Magnetic Observatory (HER), the Chambon-la-Forêt Magnetic Observatory (CLF), Institut de Physique du Globe de Strasbourg (AMS), the Kakioka Magnetic Observatory (MMB), the Indian Institute of Geomagnetism (ABG), the Geophysical Institute, China Seismological Bureau (WMQ). The compilation of the geomagnetic data and publication of this data book have been supported in part by grant 11694072, 13640451 and 127008 under the Japan Society for Promotion of science (JSPS) and by a part of "Ground Research for Space Utilization" promoted by NASDA and Japan Space Forum.

T. Iyemori, T. Araki, T. Kamei, M. Takeda and M. Nose

Data Analysis Center for Geomagnetism and  
Space Magnetism, Graduate School of Science,  
Kyoto University, Kyoto 606-8502, Japan.

TEL: 81-75-753-3929

FAX: 81-75-722-7884

E-MAIL: [iyemori@kugi.kyoto-u.ac.jp](mailto:iyemori@kugi.kyoto-u.ac.jp)

WWW: <http://swdcdcb.kugi.kyoto-u.ac.jp/>

(January 2002)

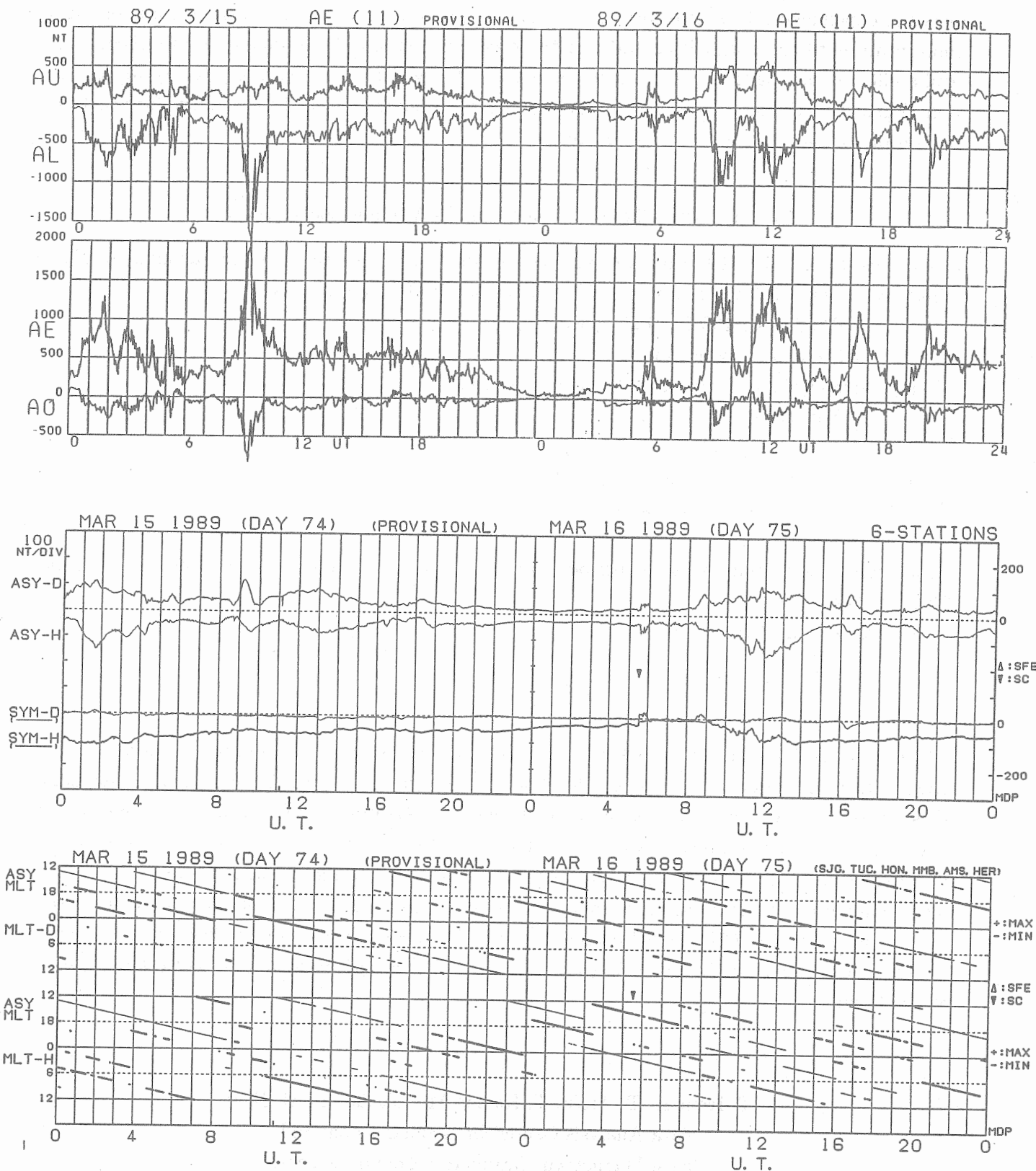


Figure 2a. An example of a comparison between the AE indices and the ASY and SYM indices of rather disturbed period. An SSC is indicated by a solid triangle. The magnetic local time at the station which gives the maximum or the minimum asymmetric deviation from symmetric disturbance is shown by a symbol + (thick line) or a symbol - (thin line), respectively.

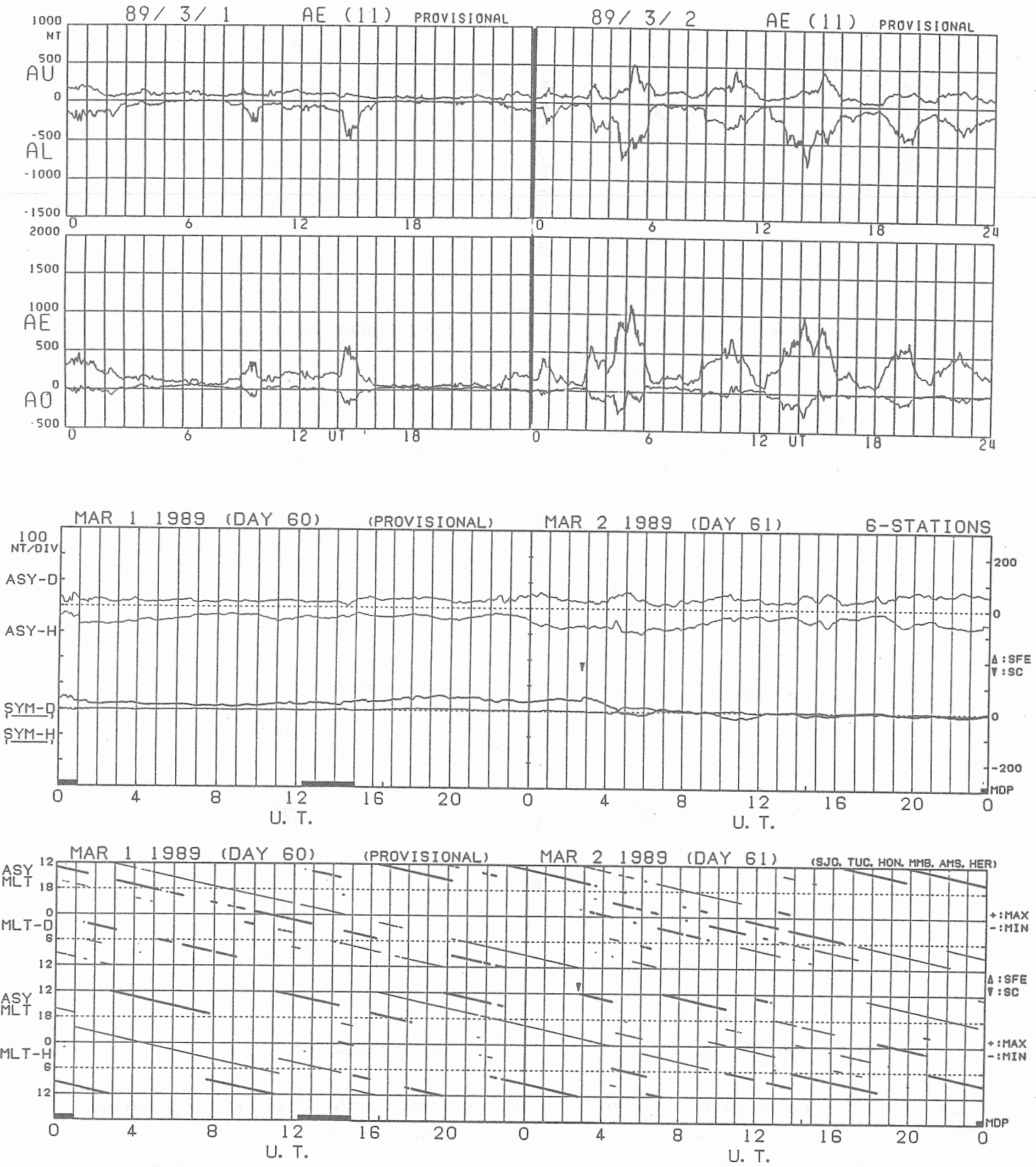


Figure 2b. An example of a comparison between the AE indices and the ASY and SYM indices of moderately disturbed period. The missing data periods are shown by the dark bars at the bottom of the panel. The height of the bars is proportional to the number of stations (1 station in this case) with missing data period (MDP).

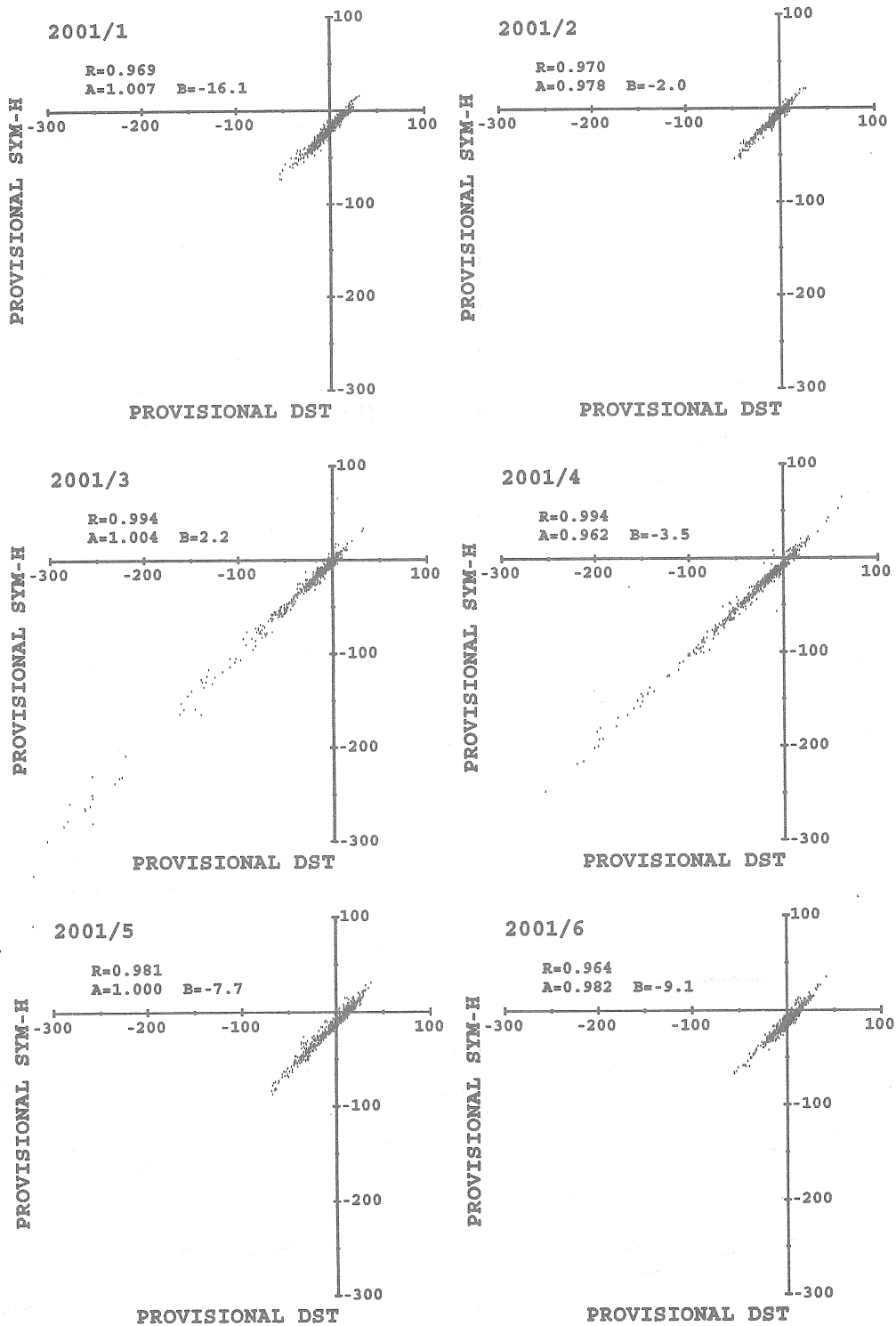


Figure 3a. Correlation plots between the hourly averaged SYM-H and the provisional Dst for January-June, 2001. The correlation coefficients R, the parameters of the regression line A and B (i.e.  $\text{SYM-H} = A \cdot \text{Dst} + B$ ) are shown on each panel.



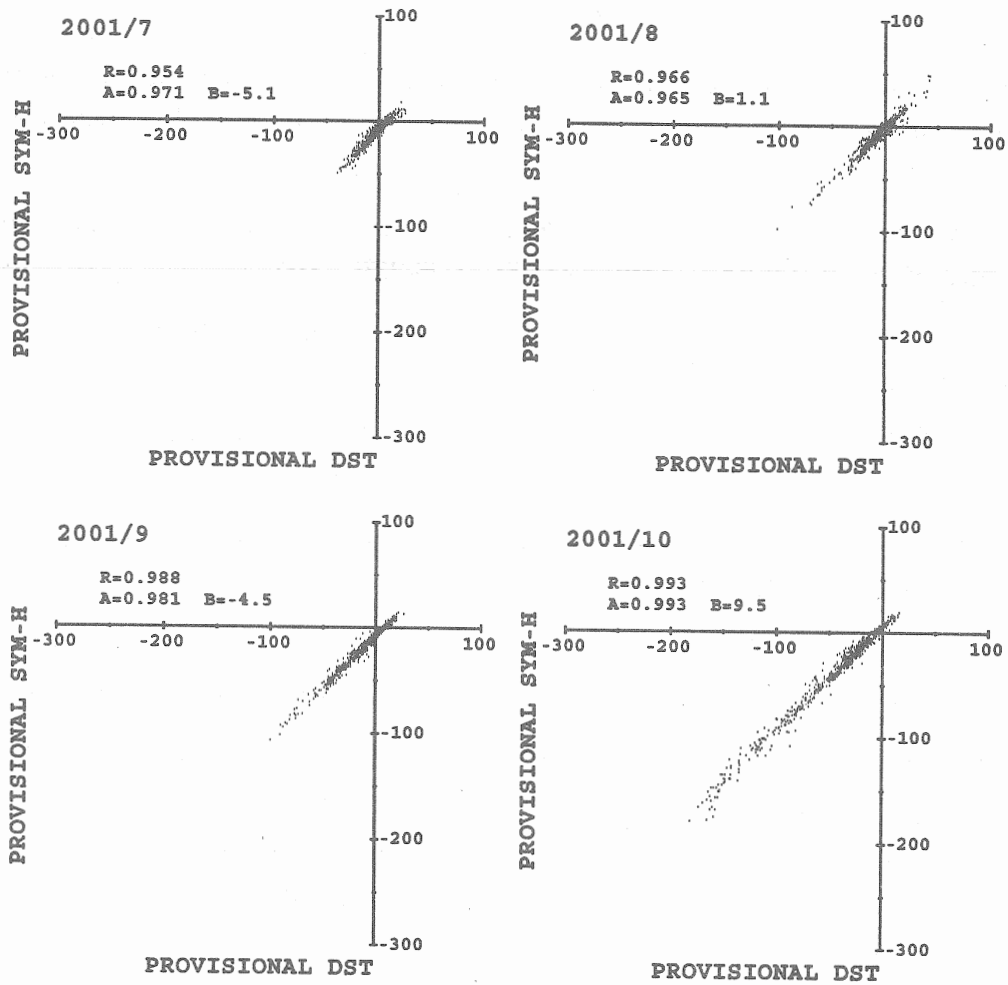


Figure 3b. Correlation plots for July-October, 2001. (Provisional Dst for November and December has not yet been available at the time of this publication.)

## References

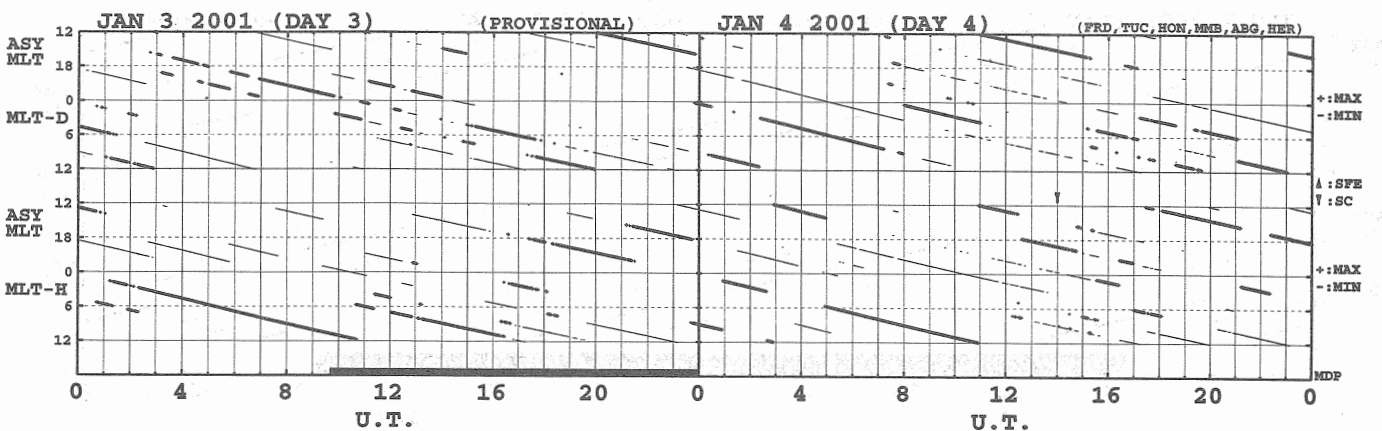
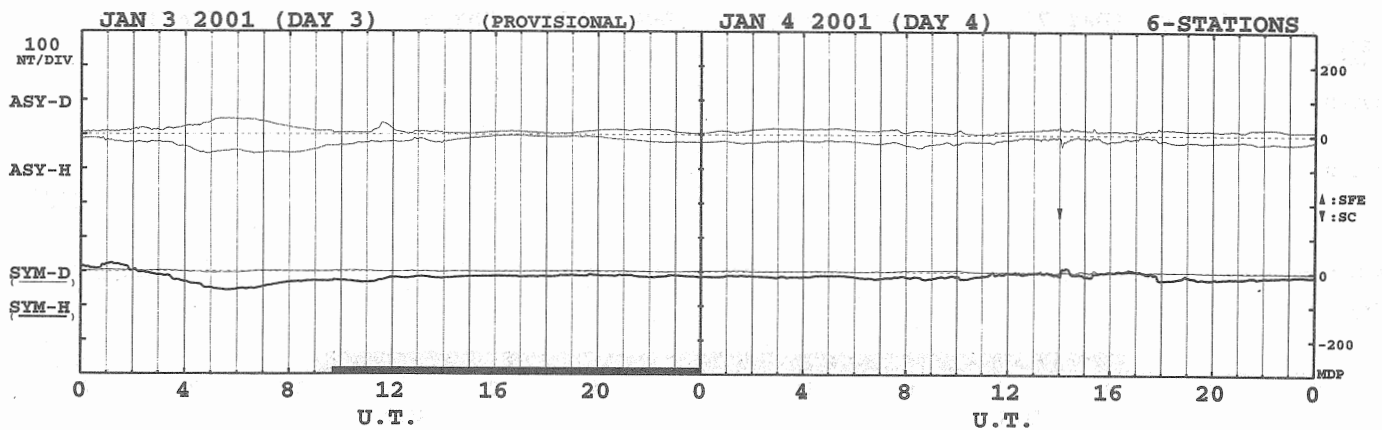
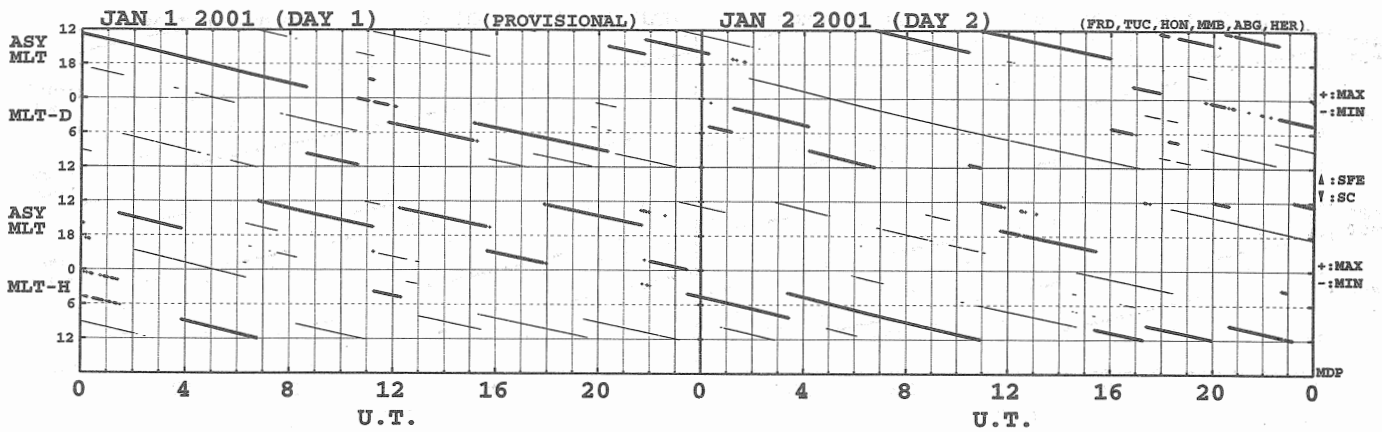
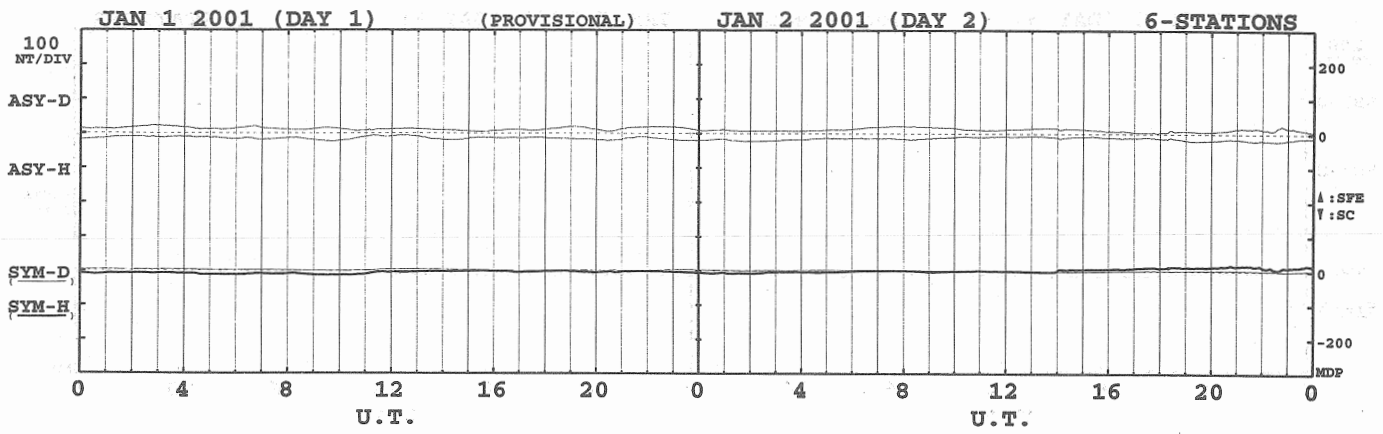
- Clauer, C.R. and R.L. McPherron, The relative importance of the interplanetary electric field and magnetospheric substorms on the partial ring current development, *J. Geophys. Res.*, 85, 6747-6759, 1980.
- Clauer, C.R., McPherron, R.L. and C. Searls, Solar wind control of the low-latitude asymmetric magnetic disturbance field, *J. Geophys. Res.*, 88, 2123-2130, 1983.
- Crooker, N.C. and G.L. Siscoe, A study of the geomagnetic disturbance field asymmetry, *Radio Sci.*, 6, 495-501, 1971.
- Crooker, N.C., High-time resolution of the low-latitude asymmetric disturbance in the geomagnetic field, 77, 773-775, 1972.
- Iyemori, T., Storm-time magnetospheric currents inferred from mid-latitude geomagnetic field variations, *J. Geomag. Geoelectr.*, 42, 1249-1265, 1990.
- Iyemori, T. and D.R.K. Rao, Decay of the Dst field of geomagnetic disturbance after substorm onset and its implication to storm-substorm relation, *Ann. Geophys.*, 14, 608-618, 1996.
- Kawasaki, K. and S.-I. Akasofu, Low-latitude DS component of geomagnetic storm field, *J. Geophys. Res.*, 76, 2396-2405, 1971.
- Sugiura, M. and D.J. Poros, Hourly values of equatorial Dst for years 1957 to 1970, Rep. X-645-71-278, Goddard Space Flight Center, Greenbelt, Maryland, 1971.

**ASY and SYM Indices**

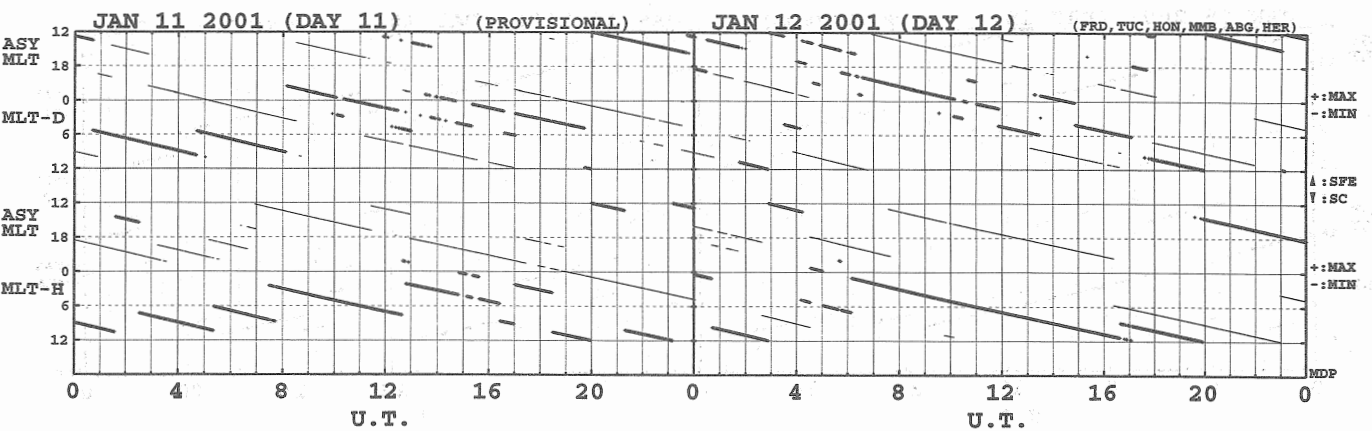
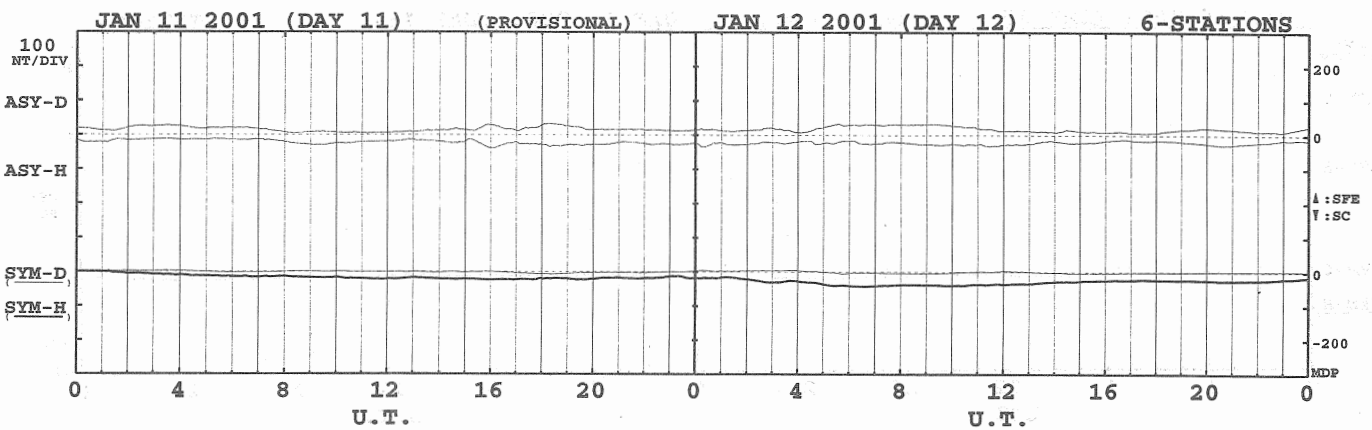
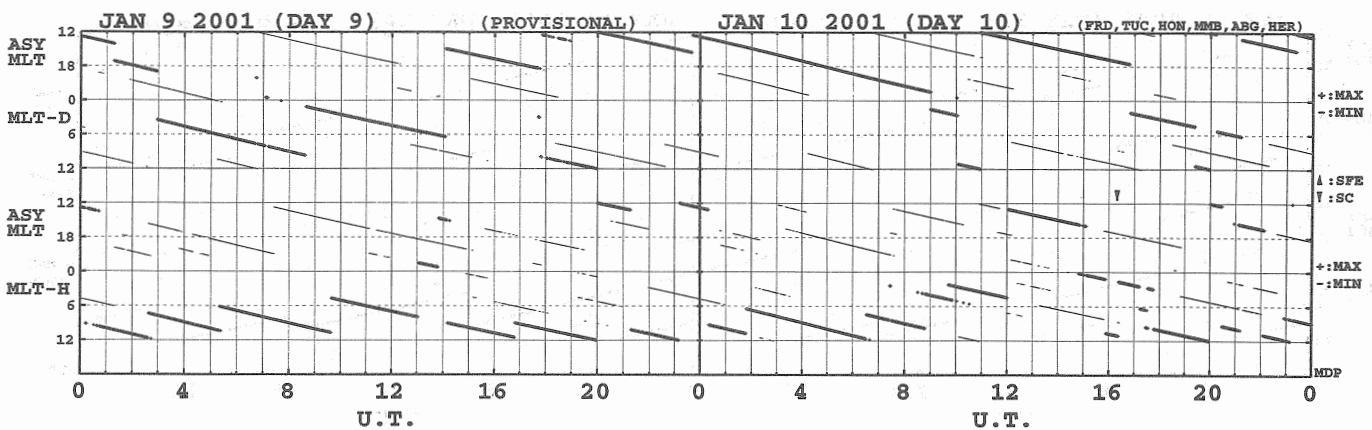
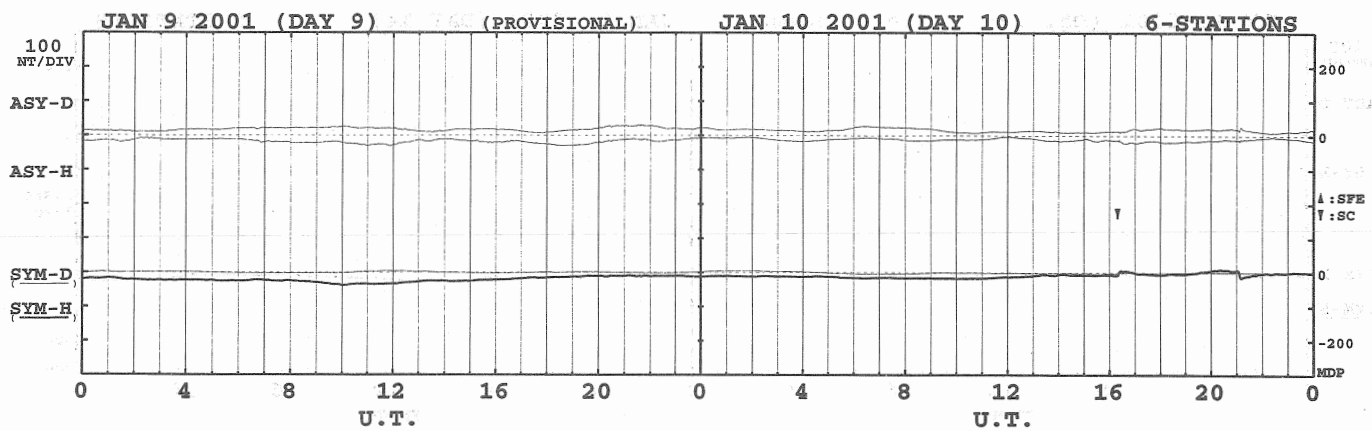
**Plots and Tables  
for  
January - December, 2001**

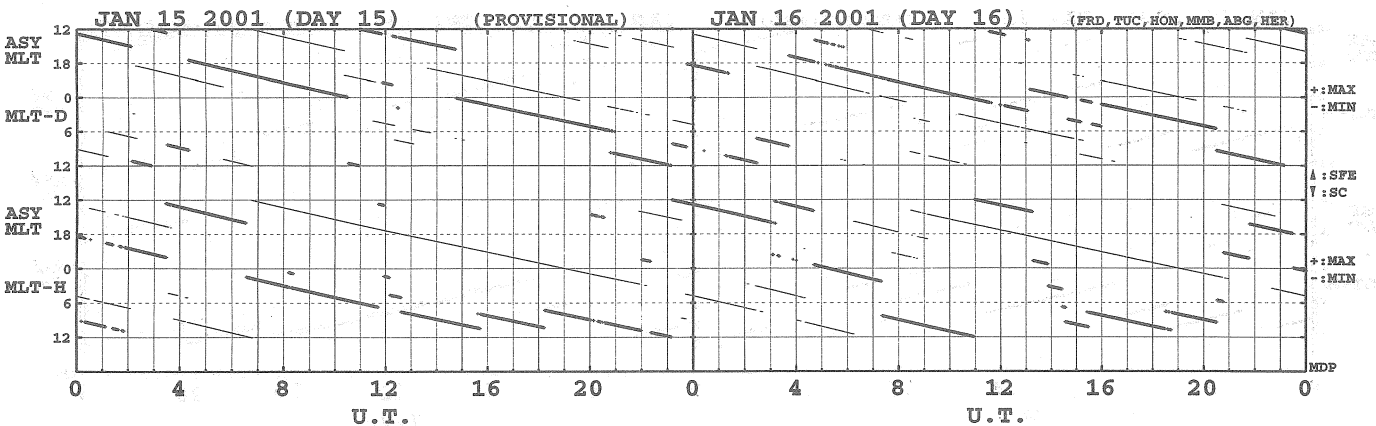
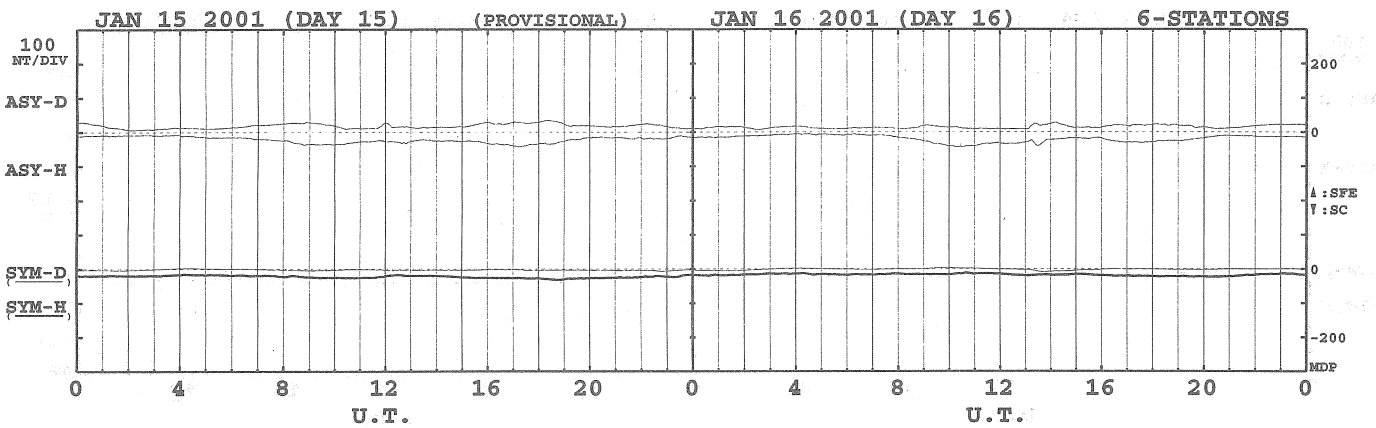
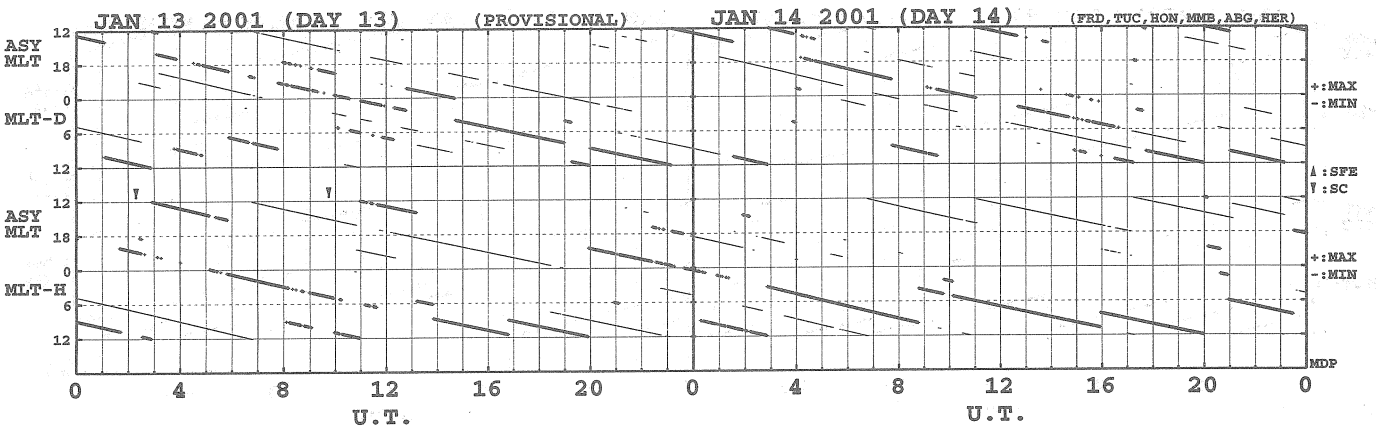
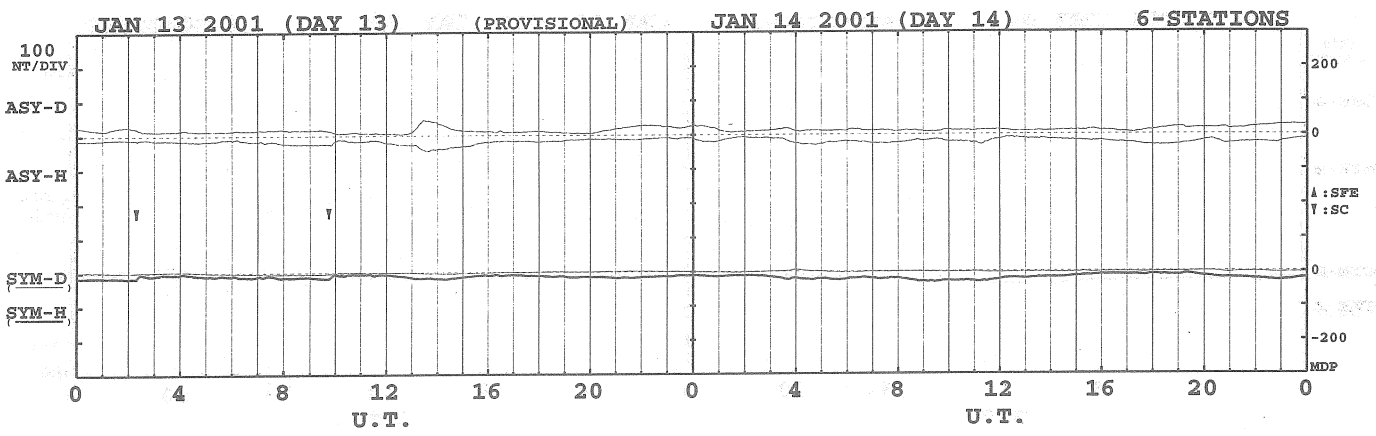


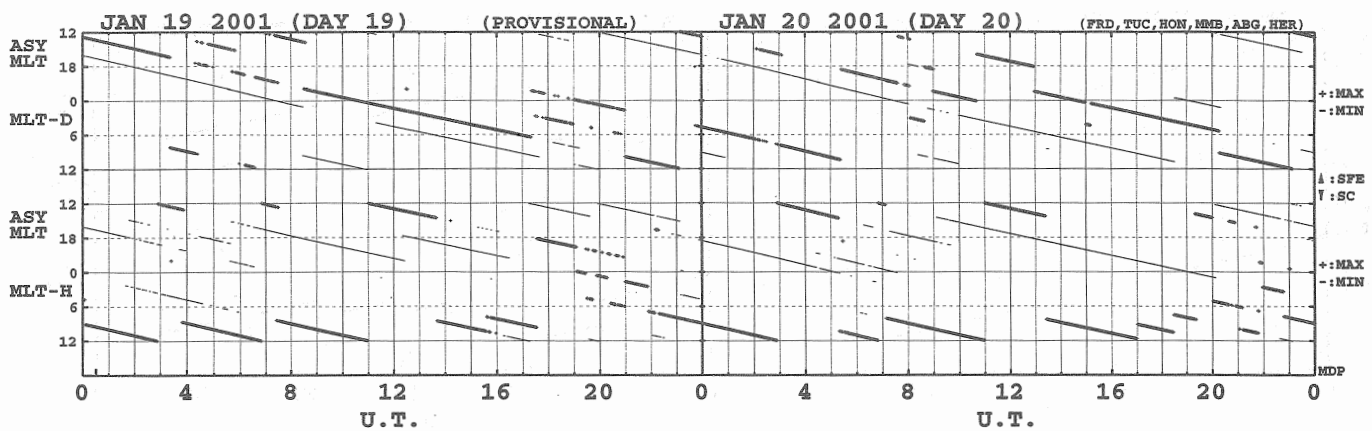
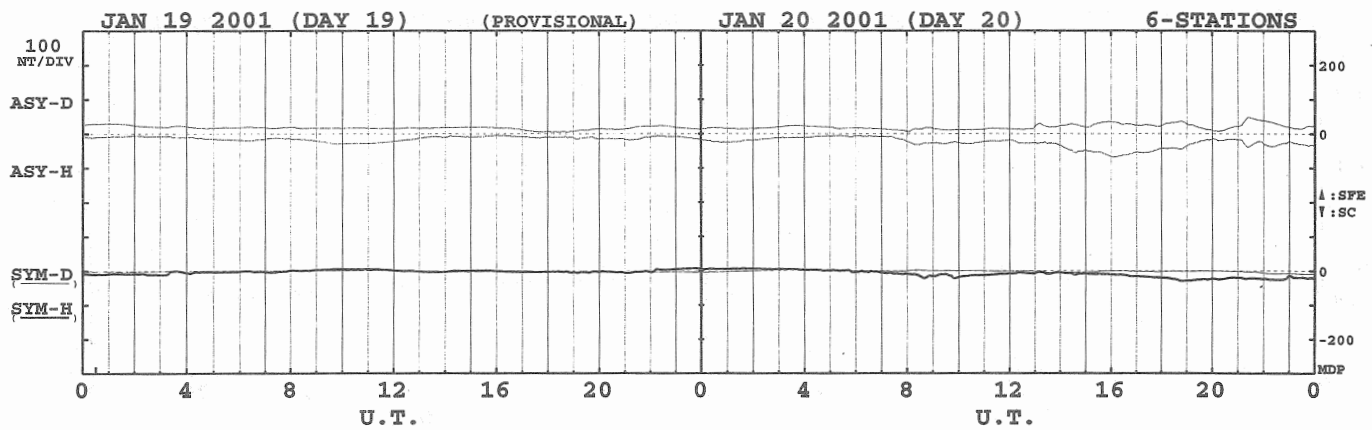
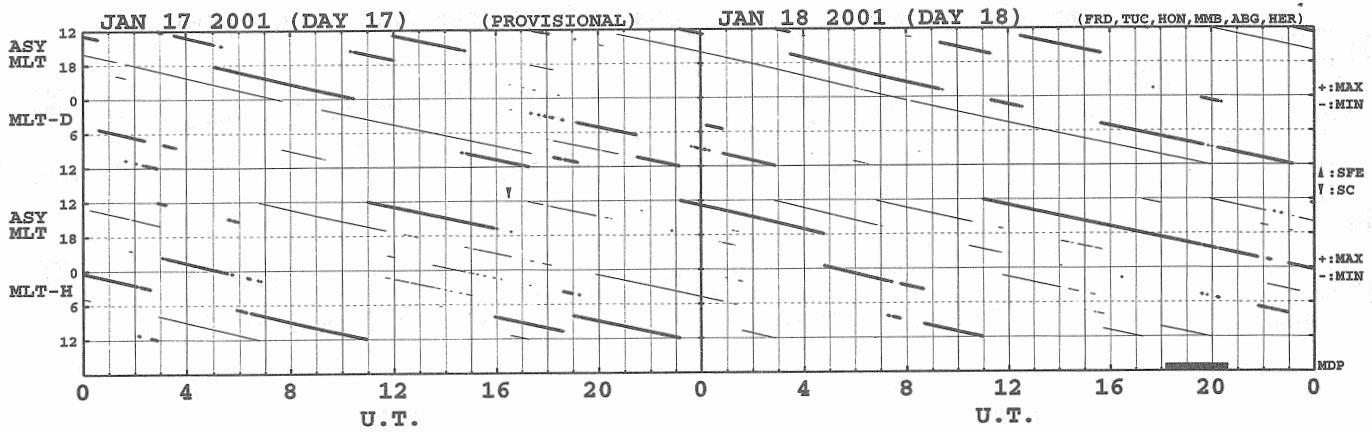
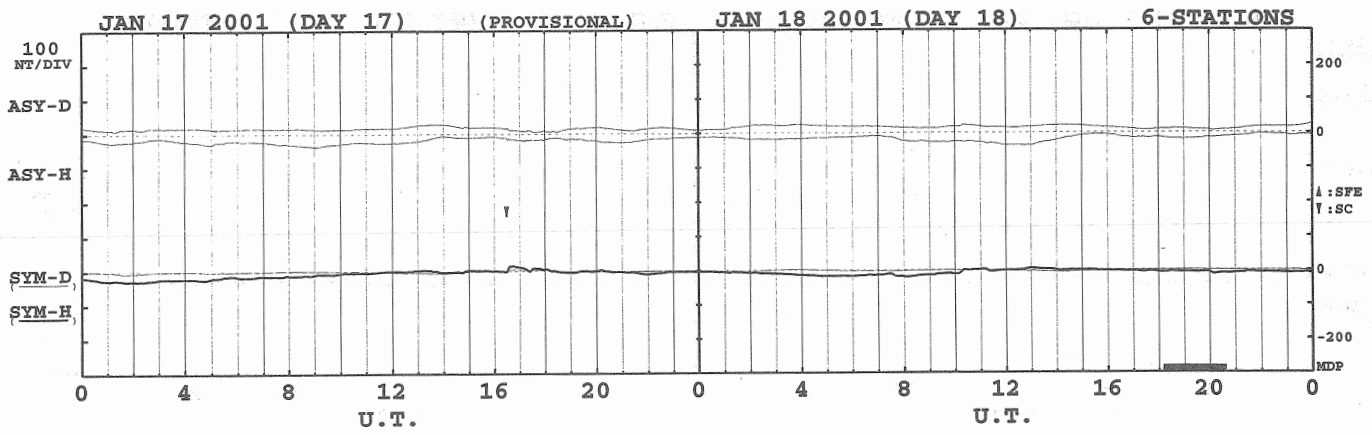




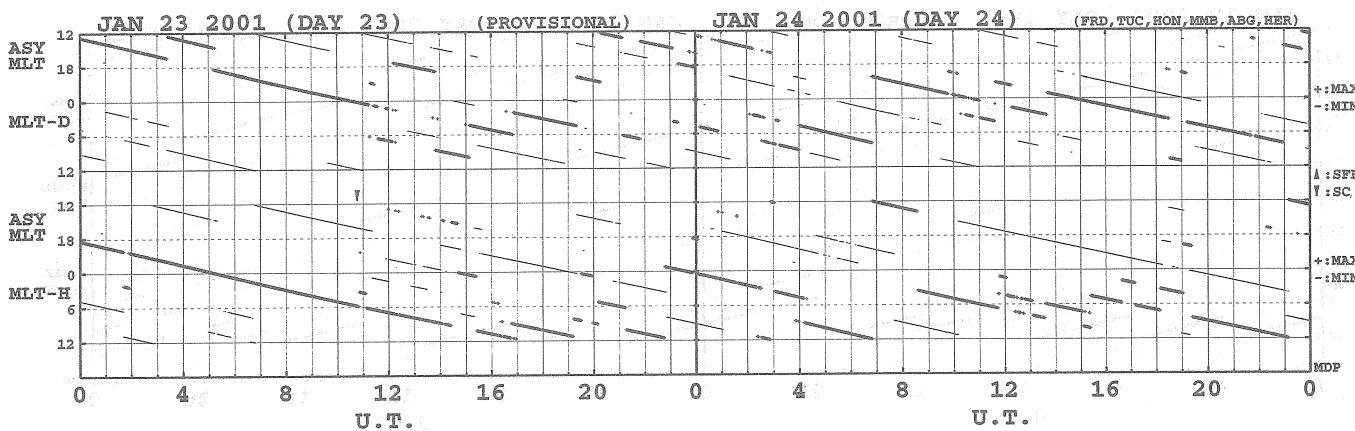
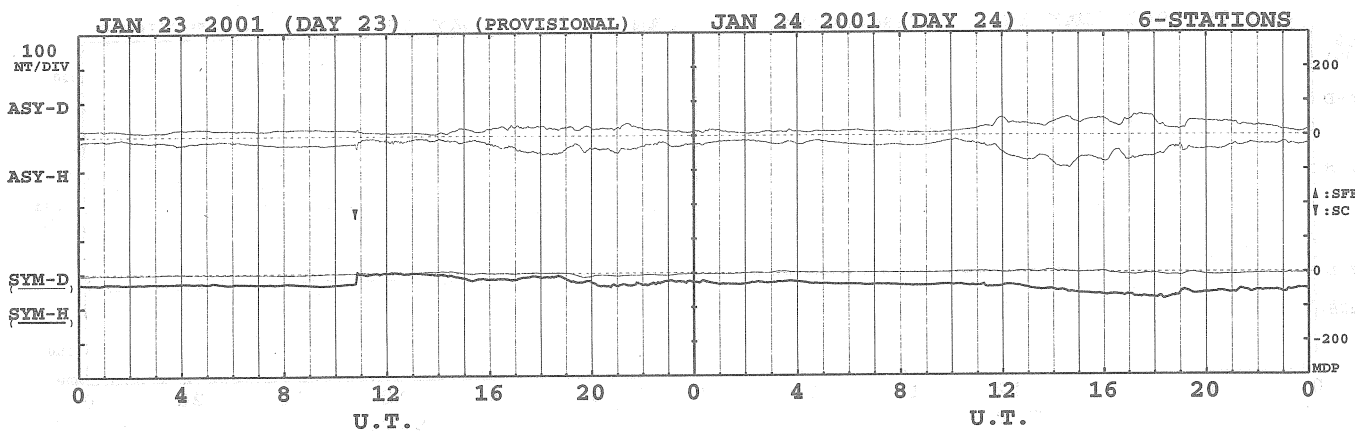
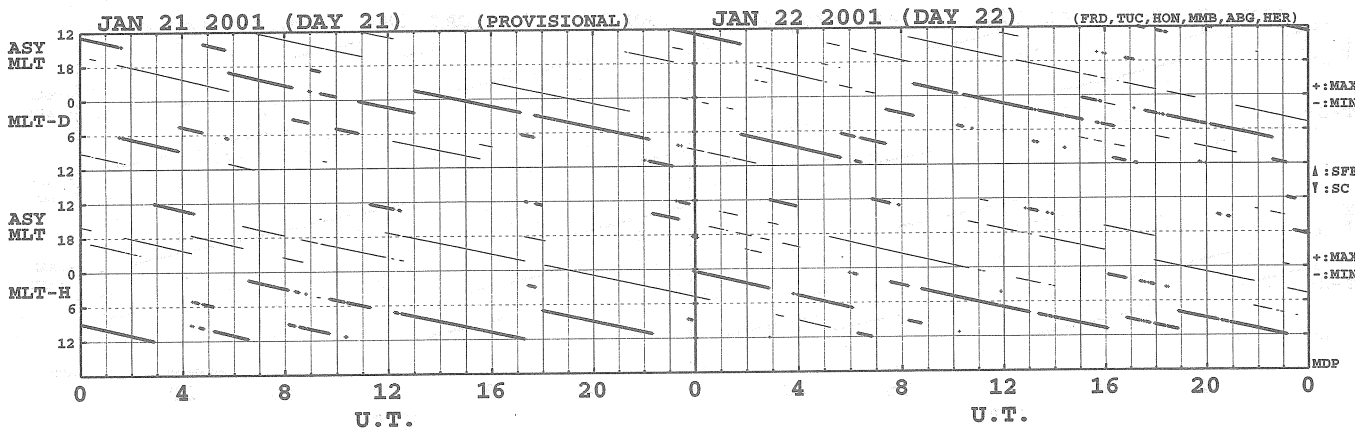
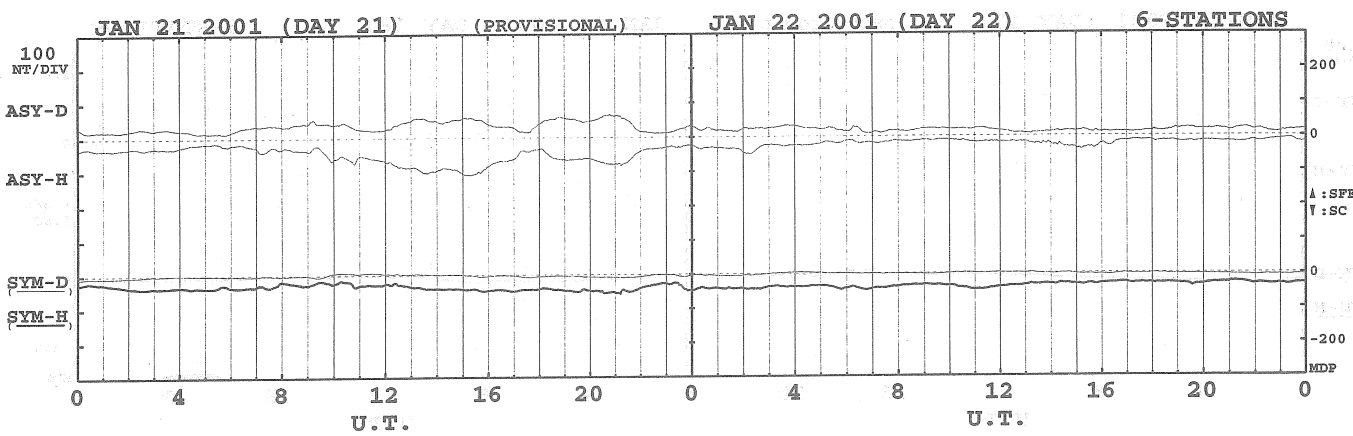


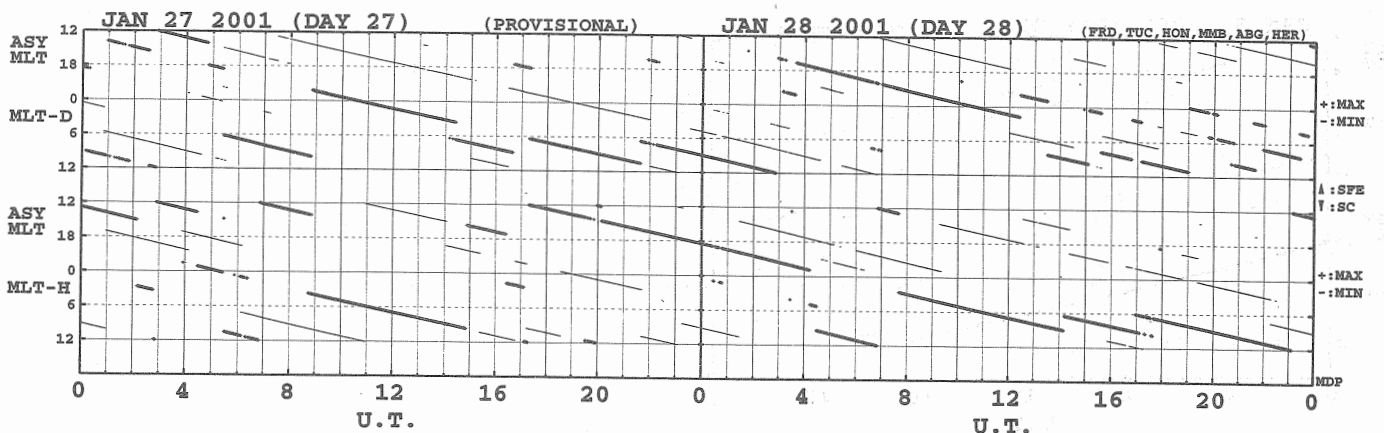
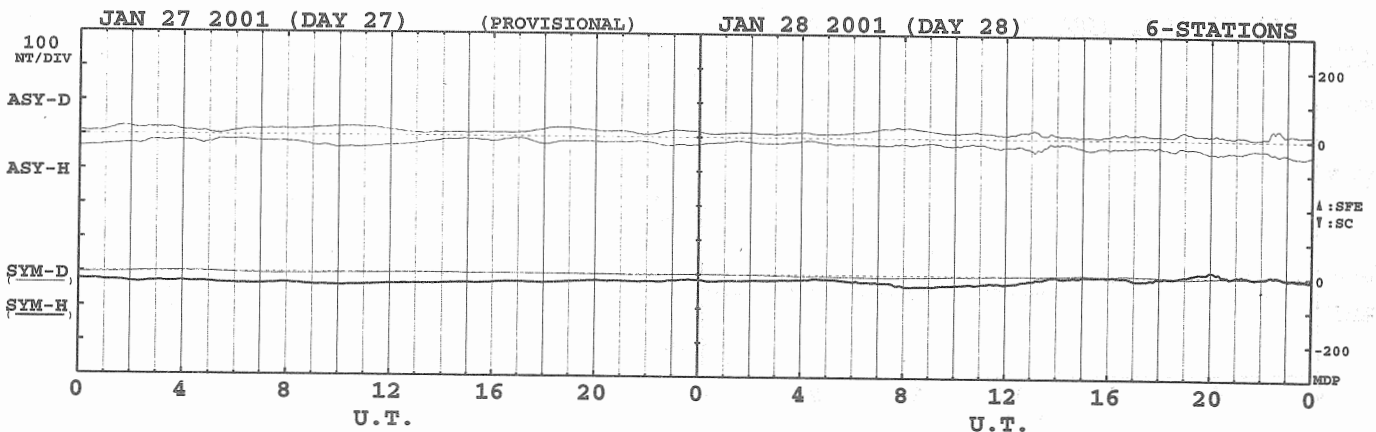
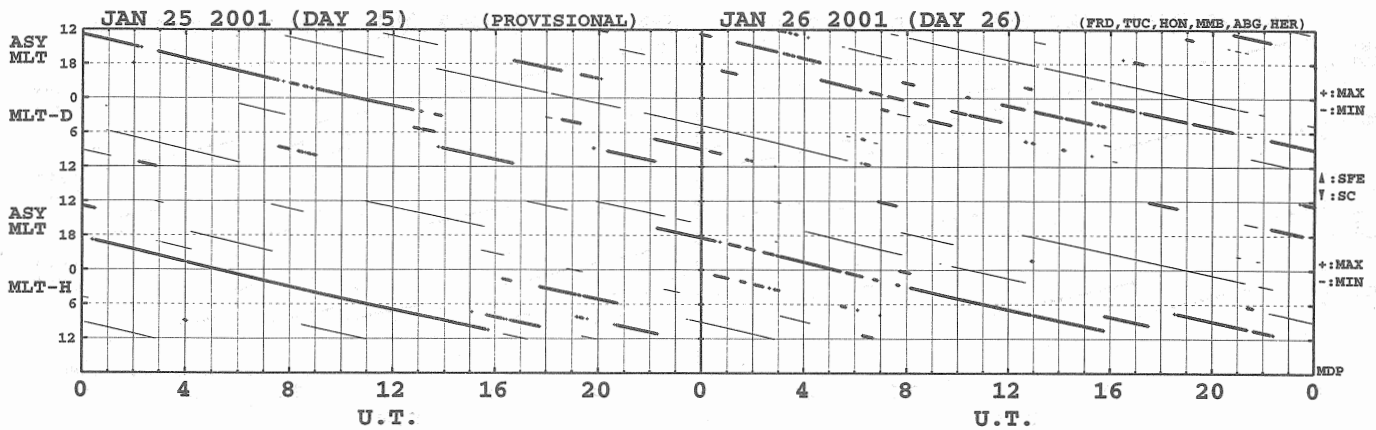
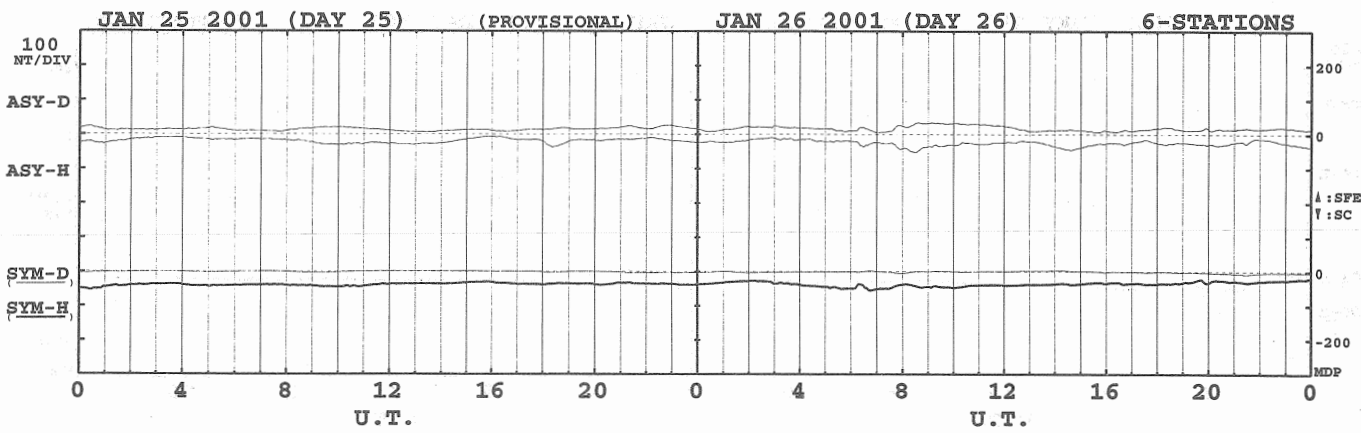




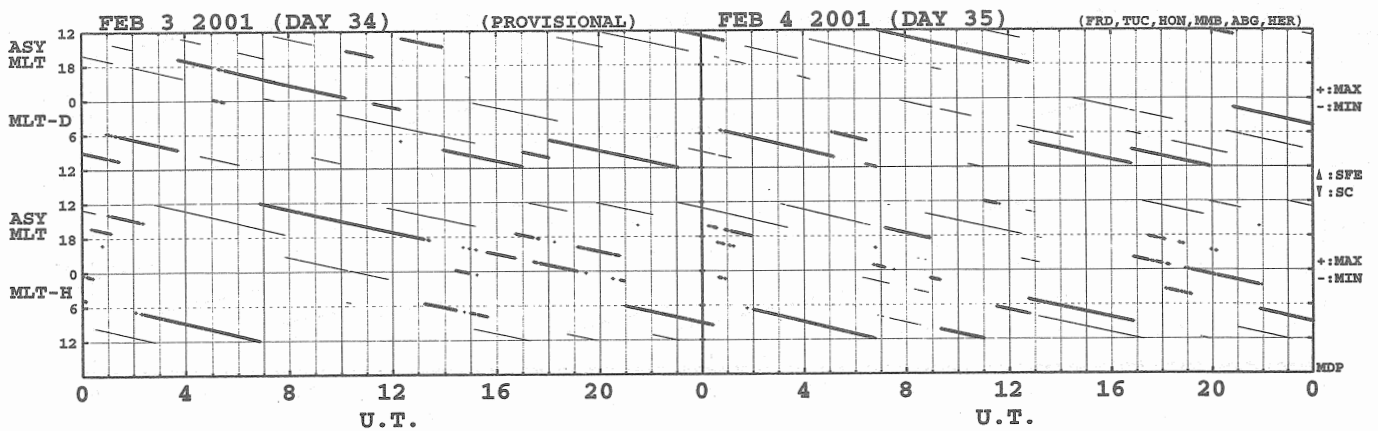
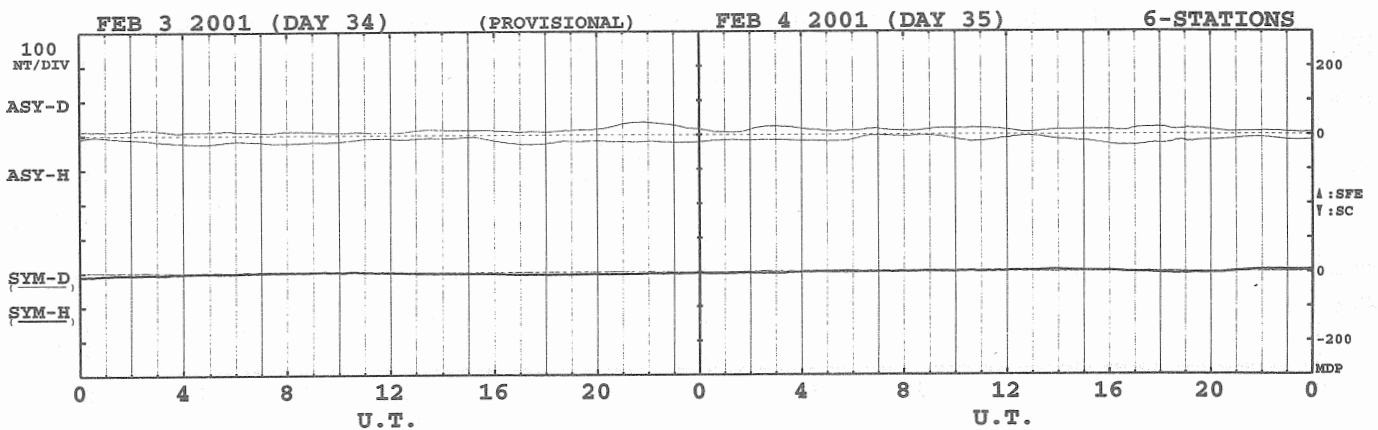
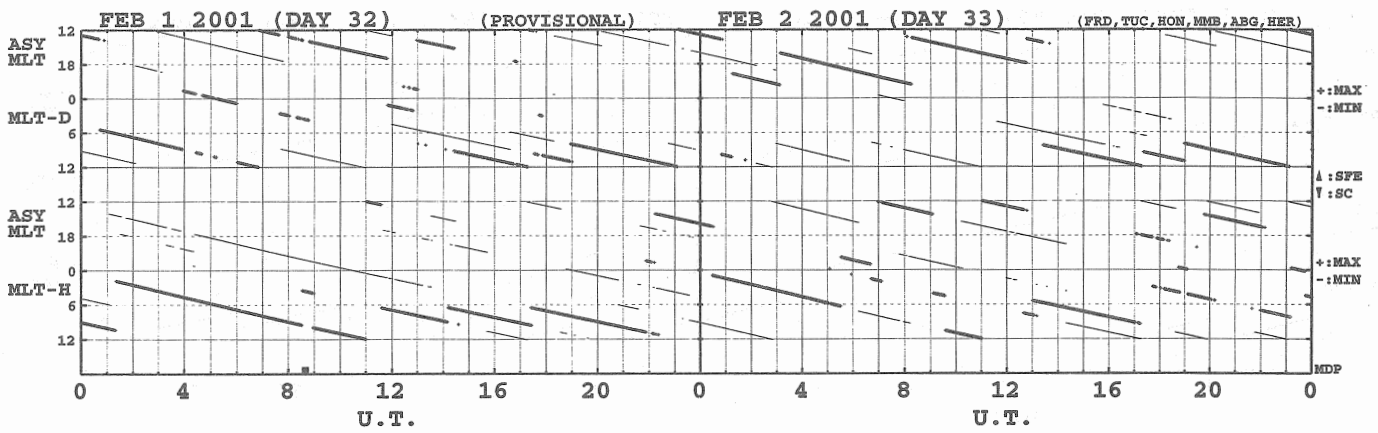
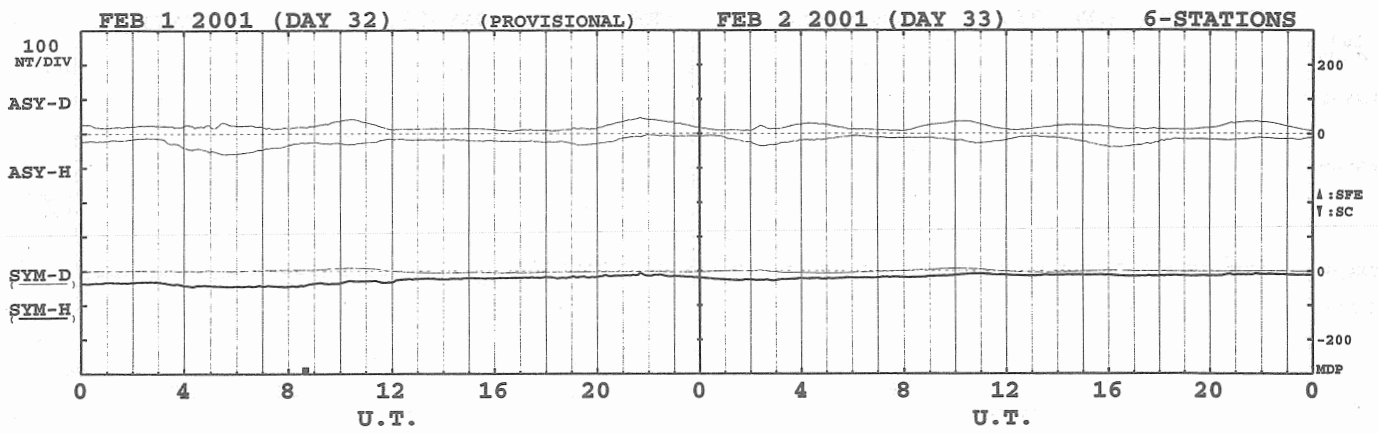


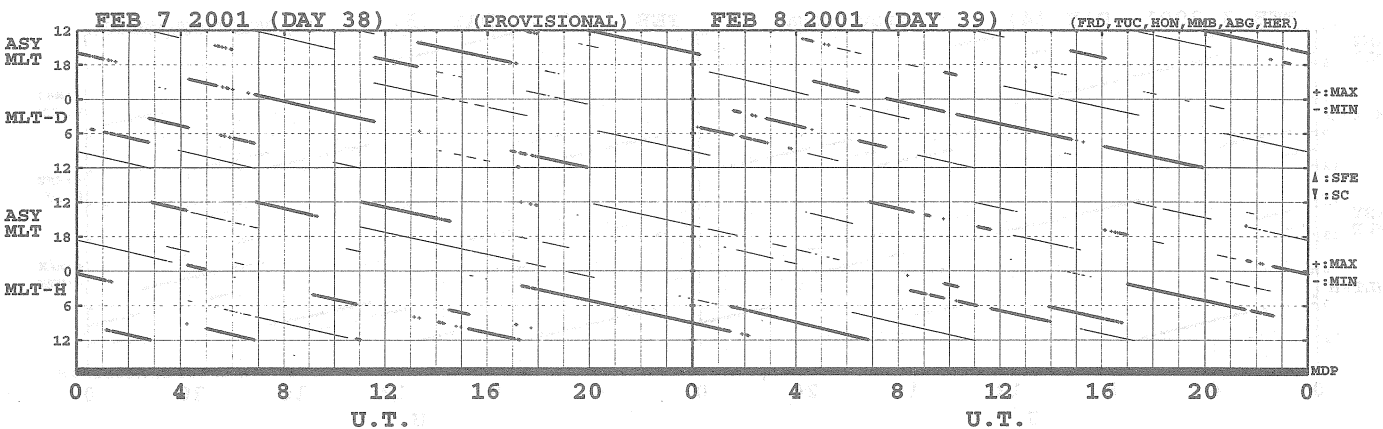
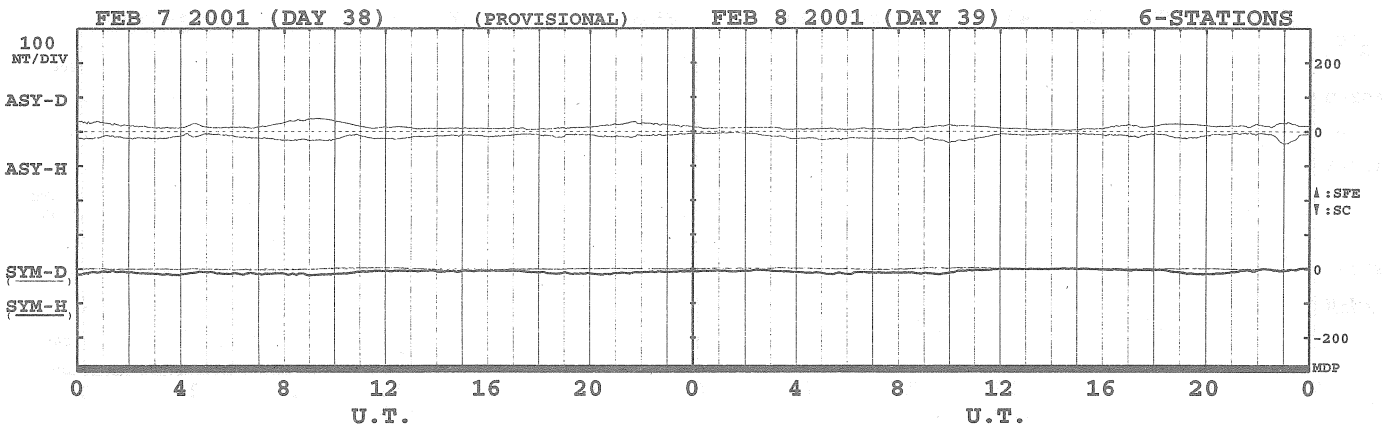
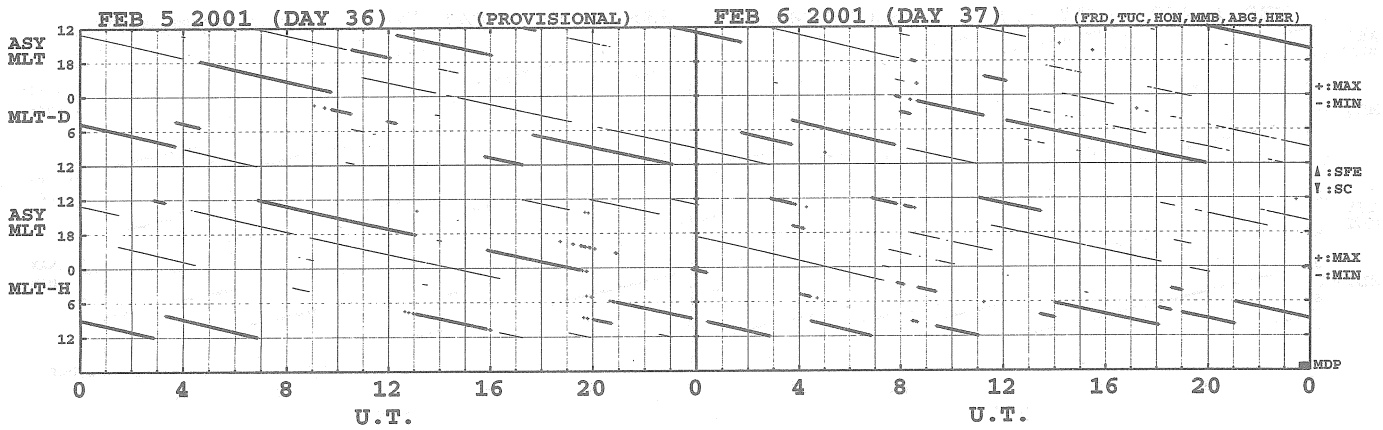
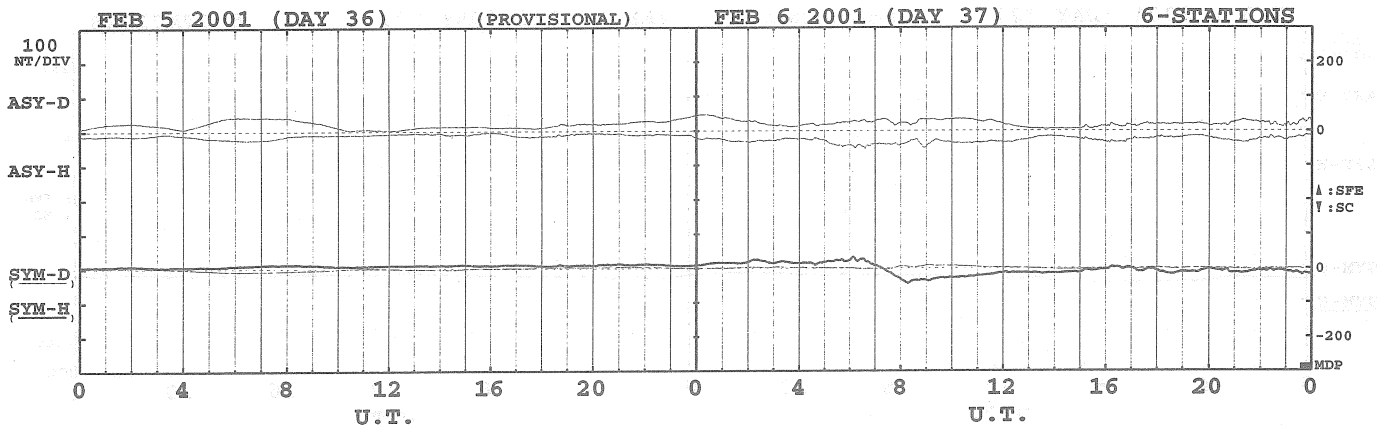




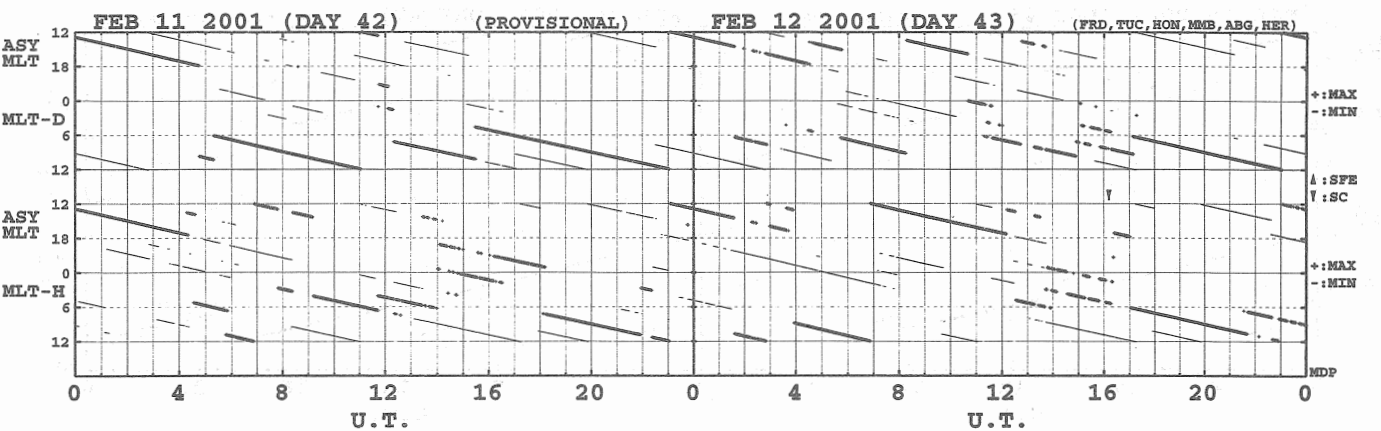
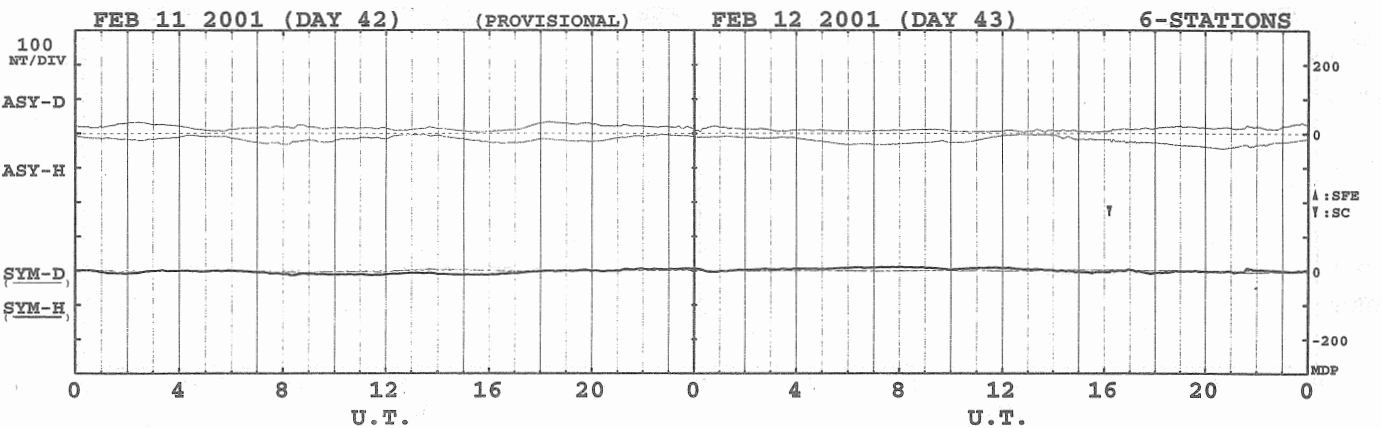
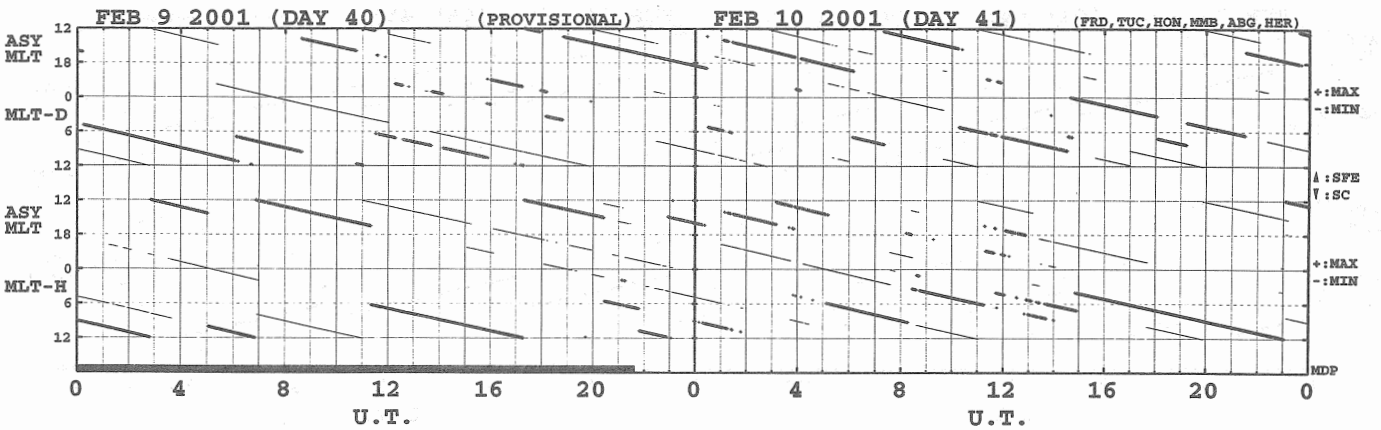
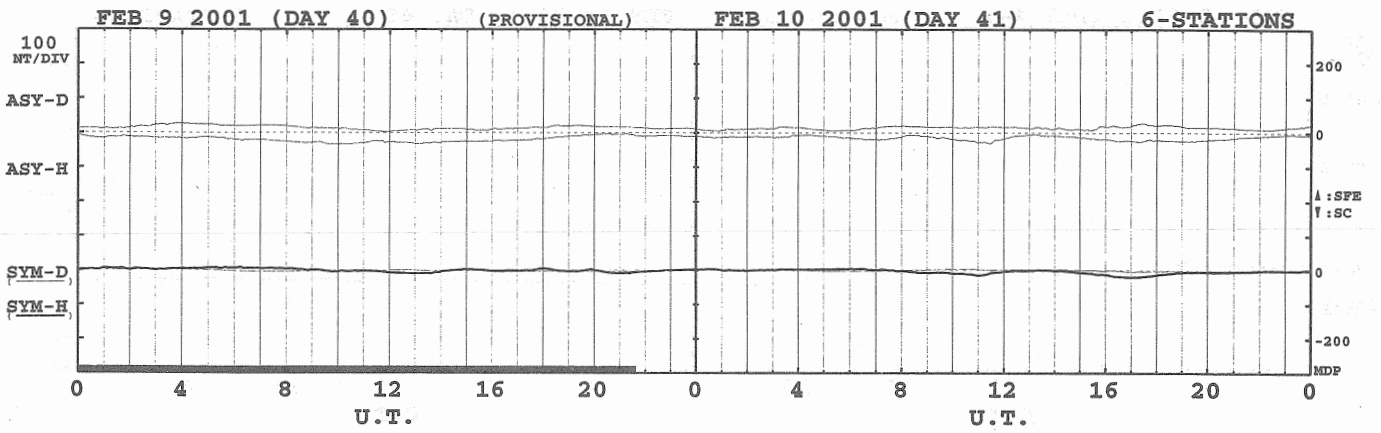




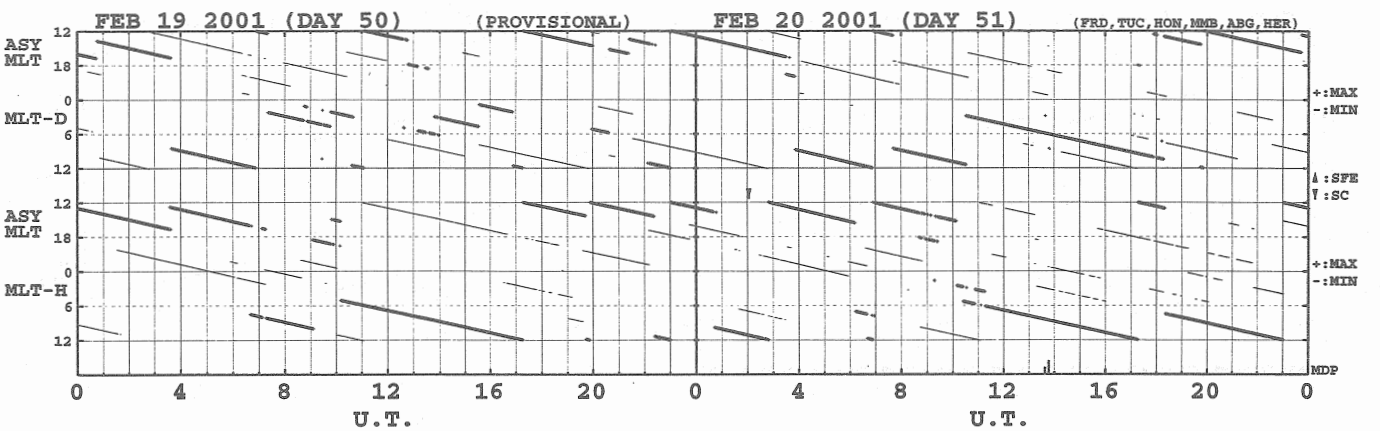
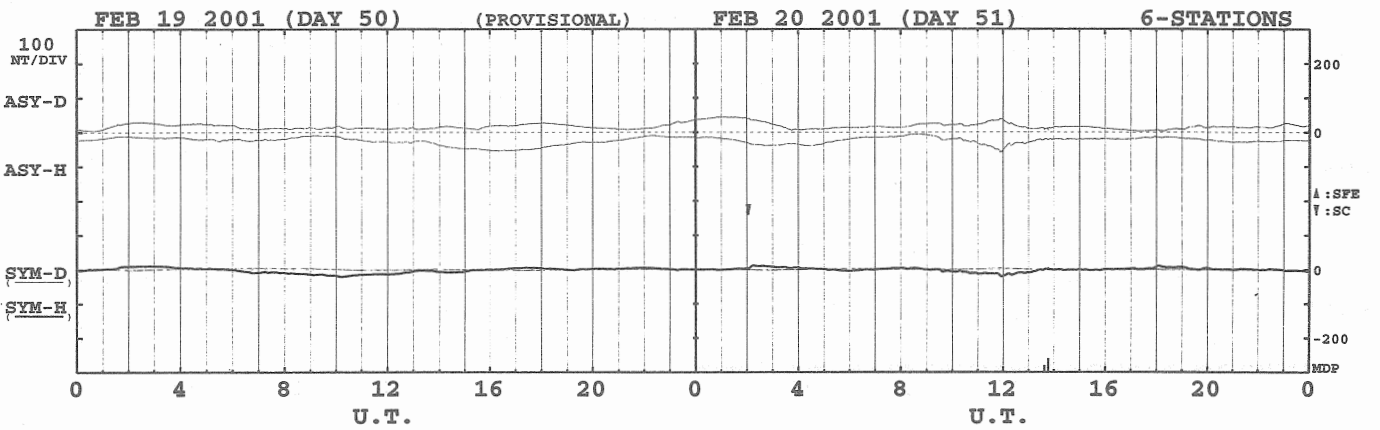
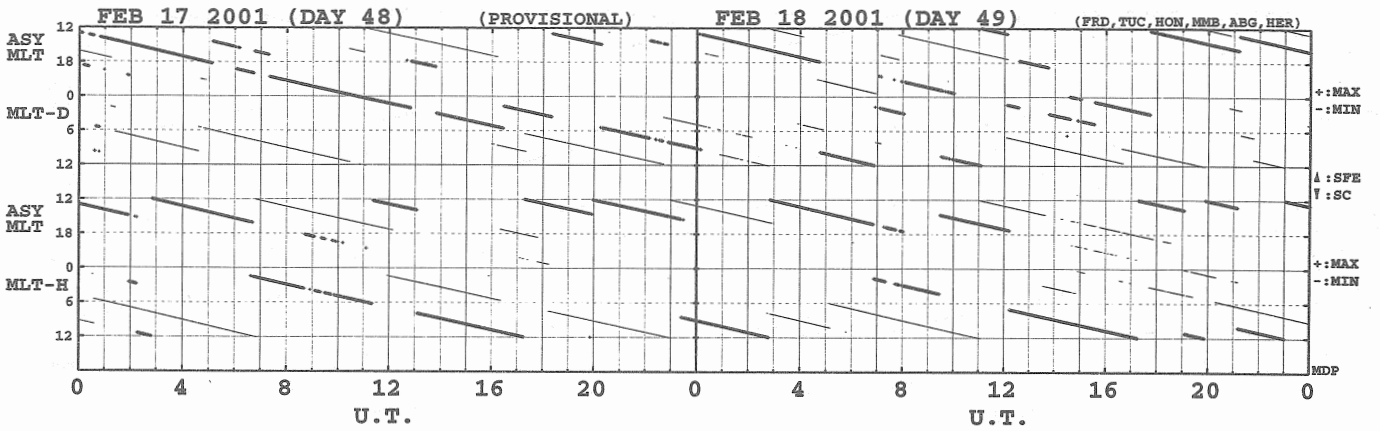
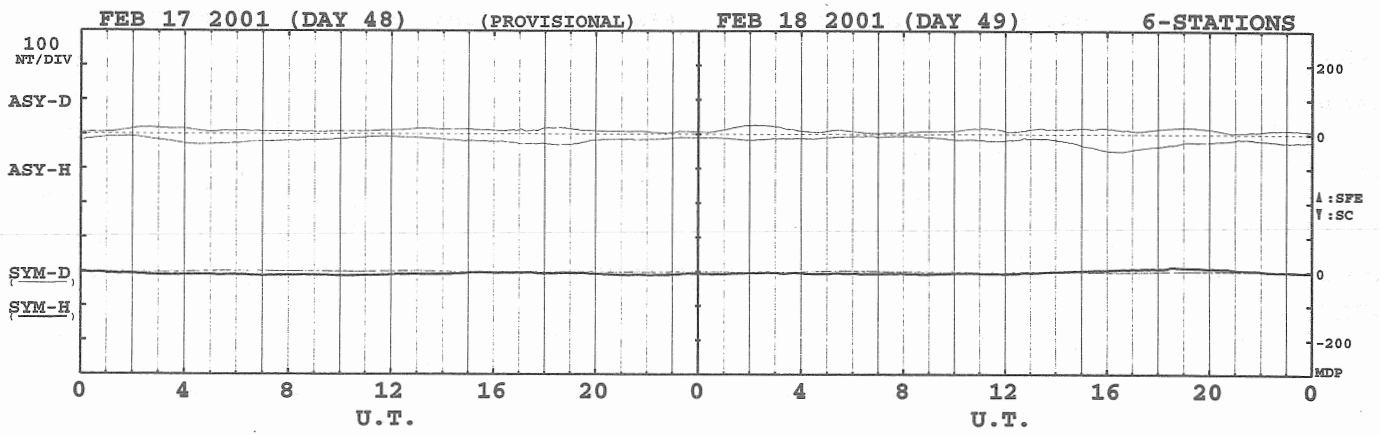


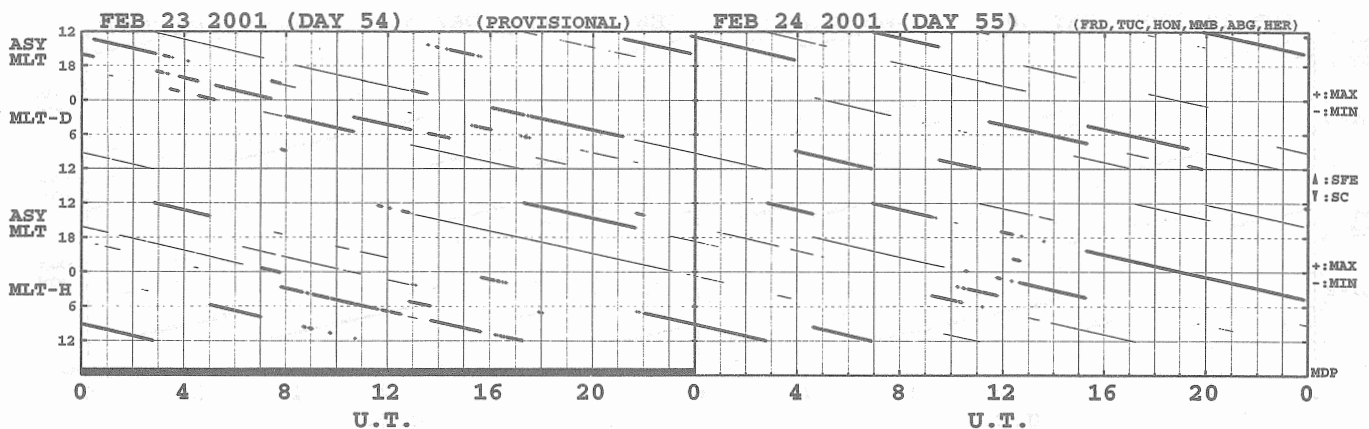
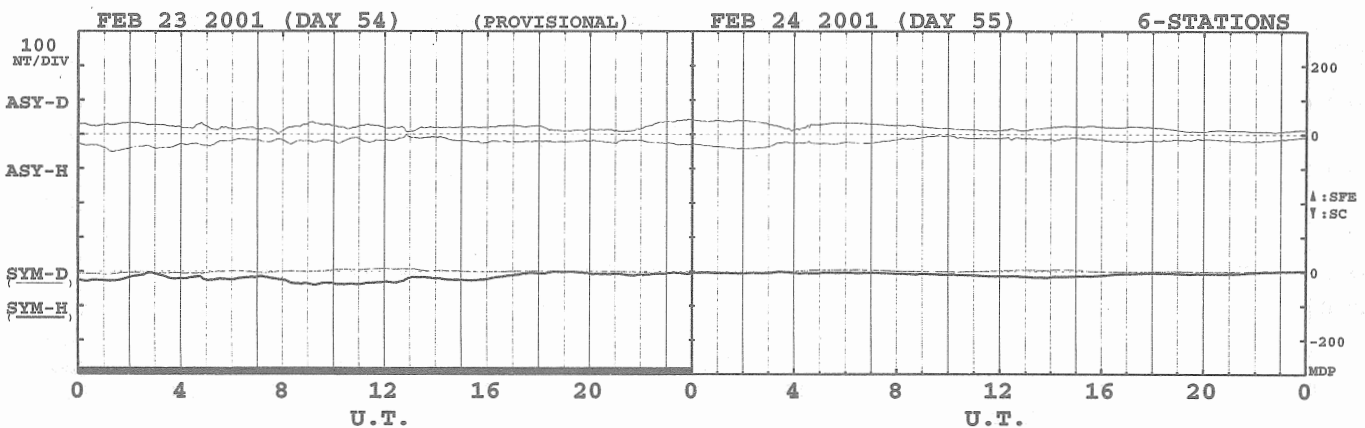
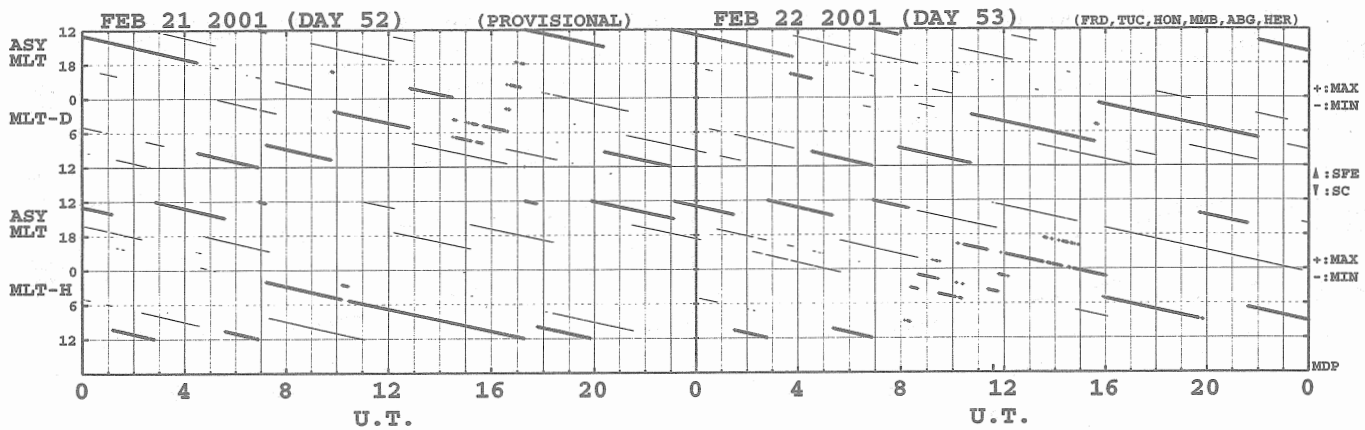
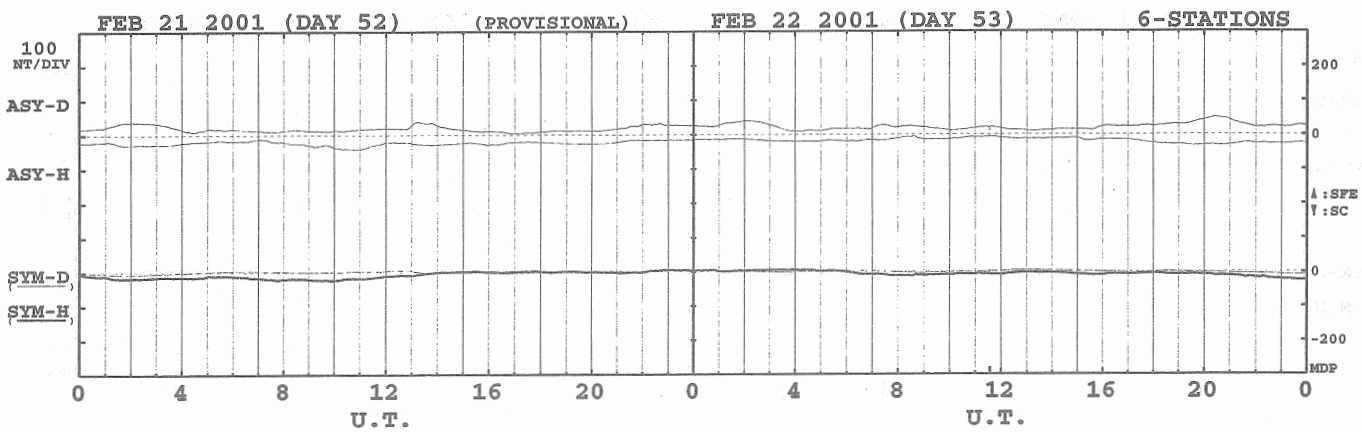


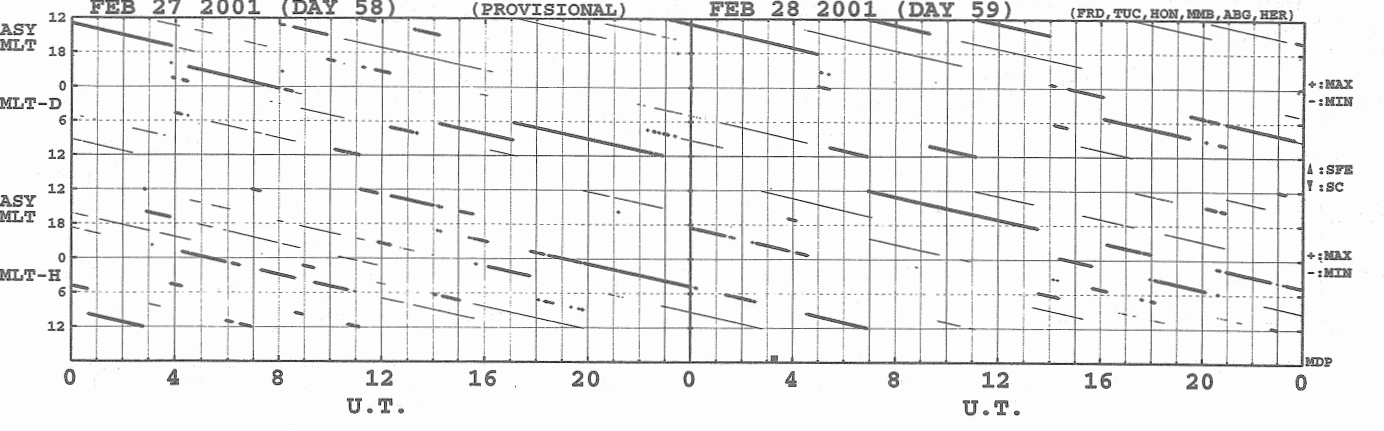
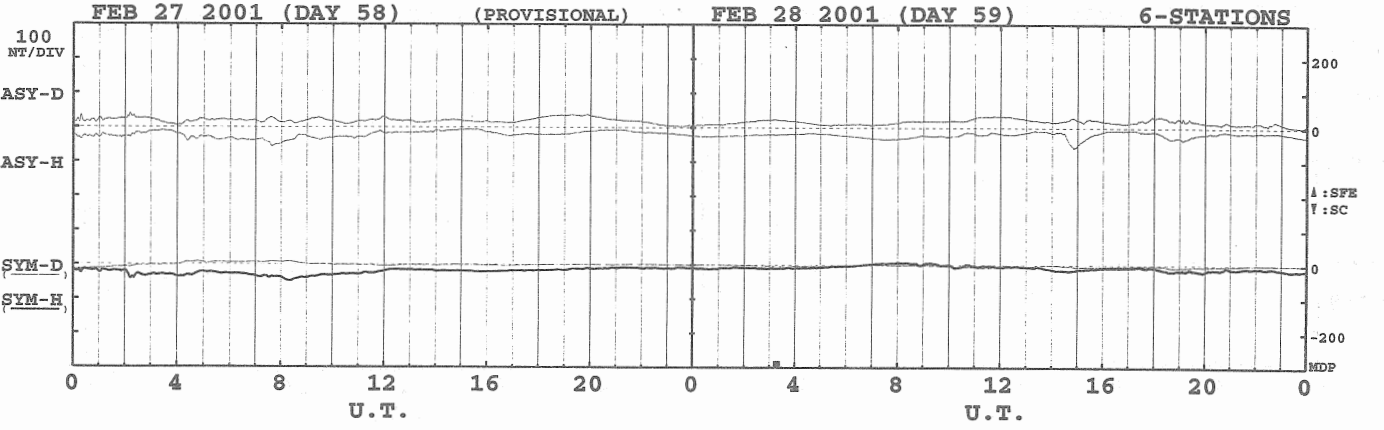
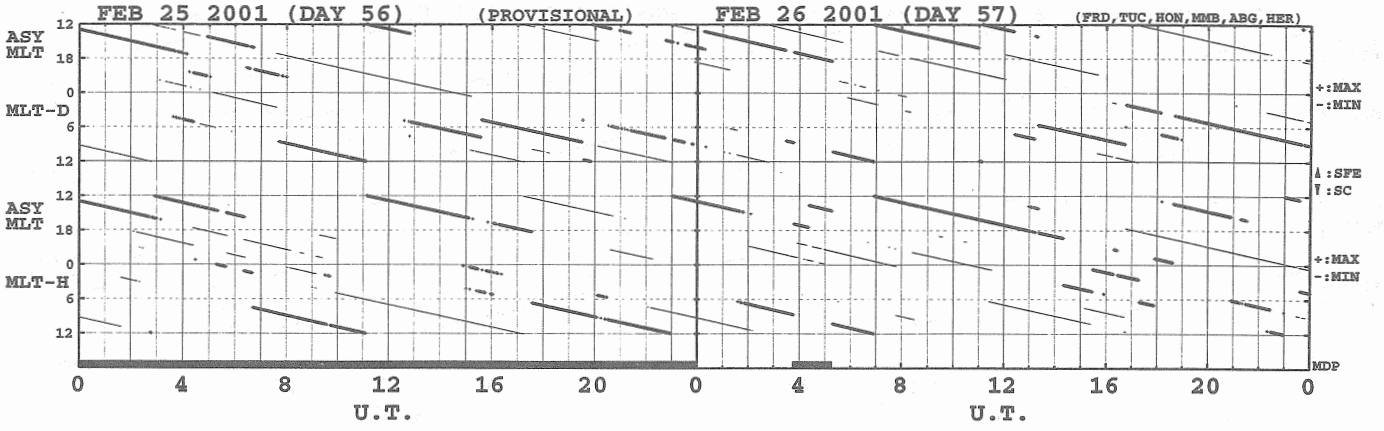
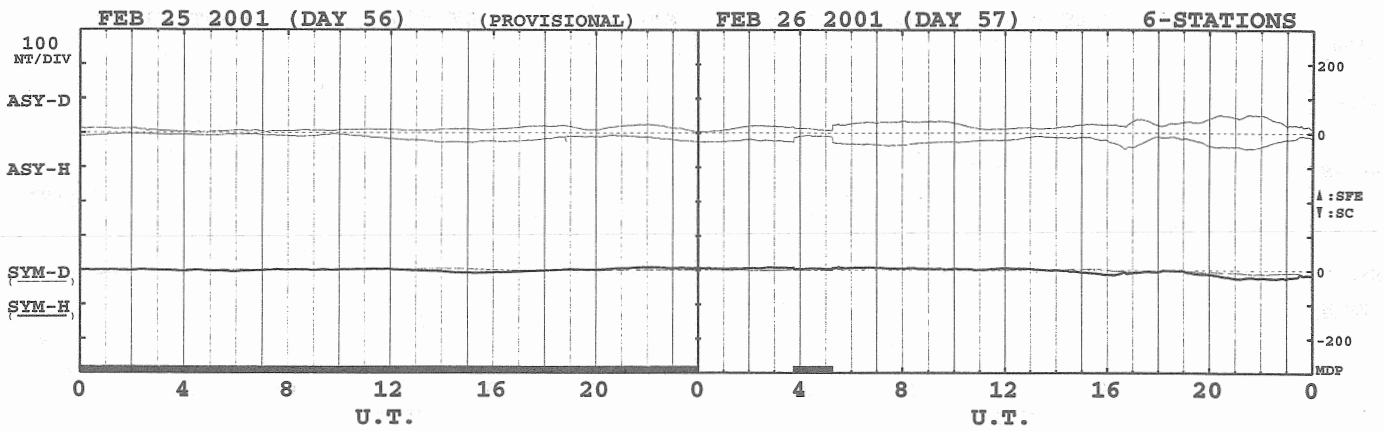


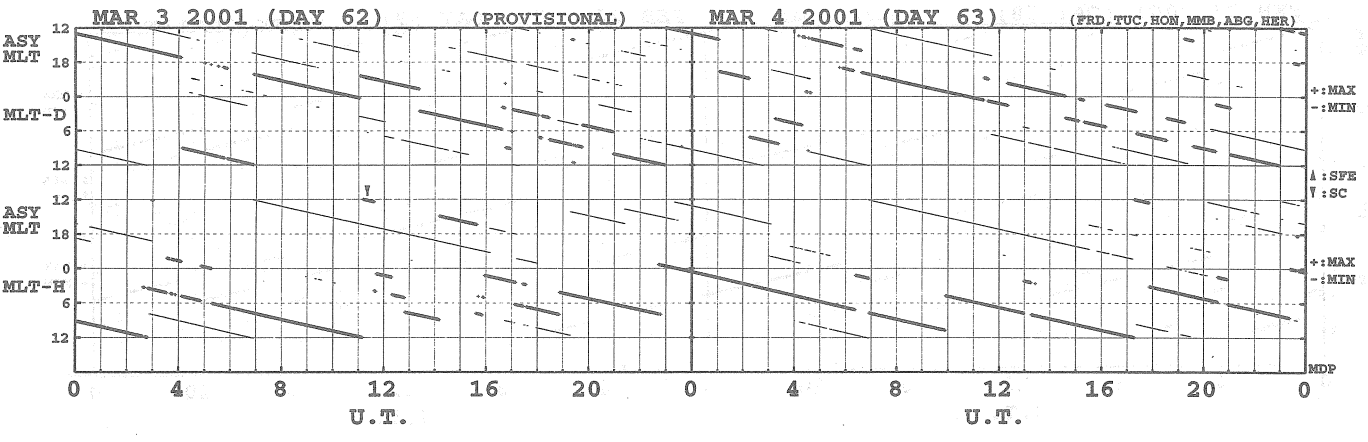
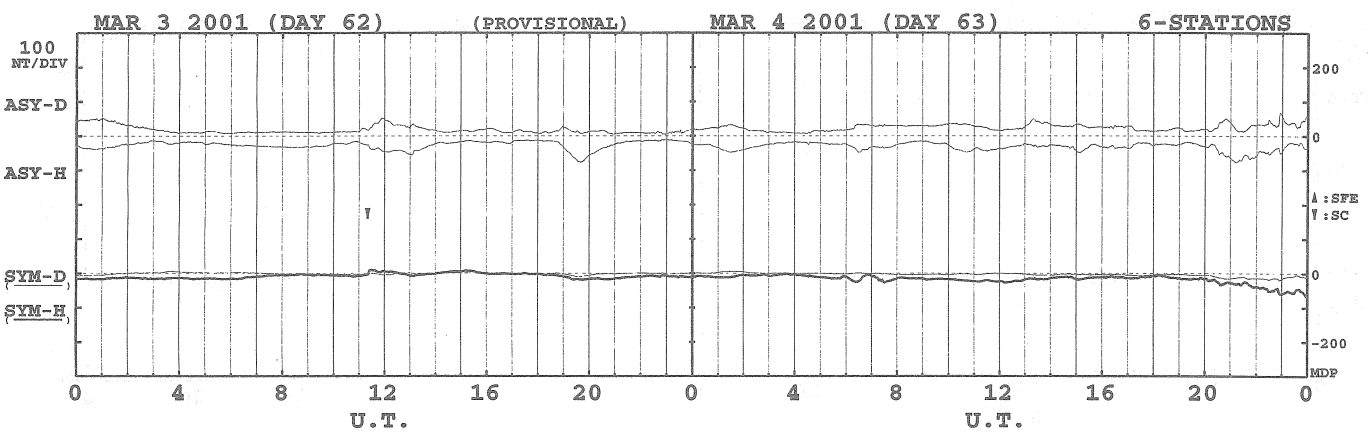
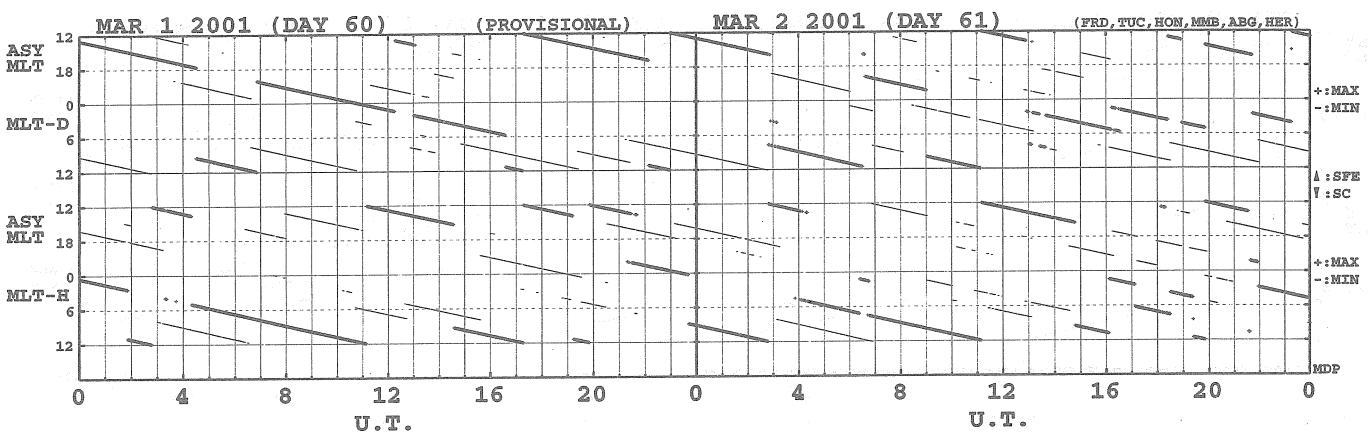
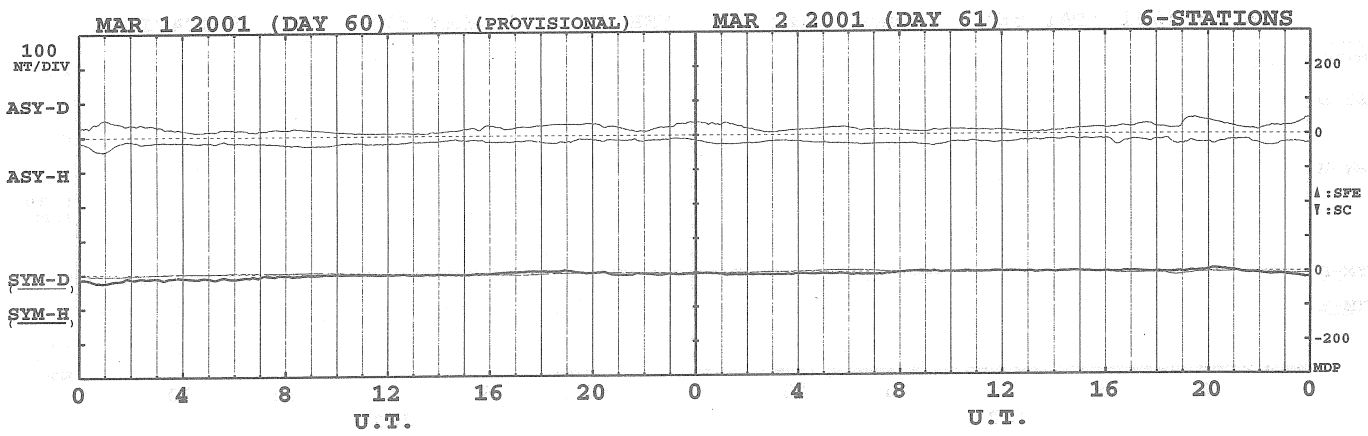


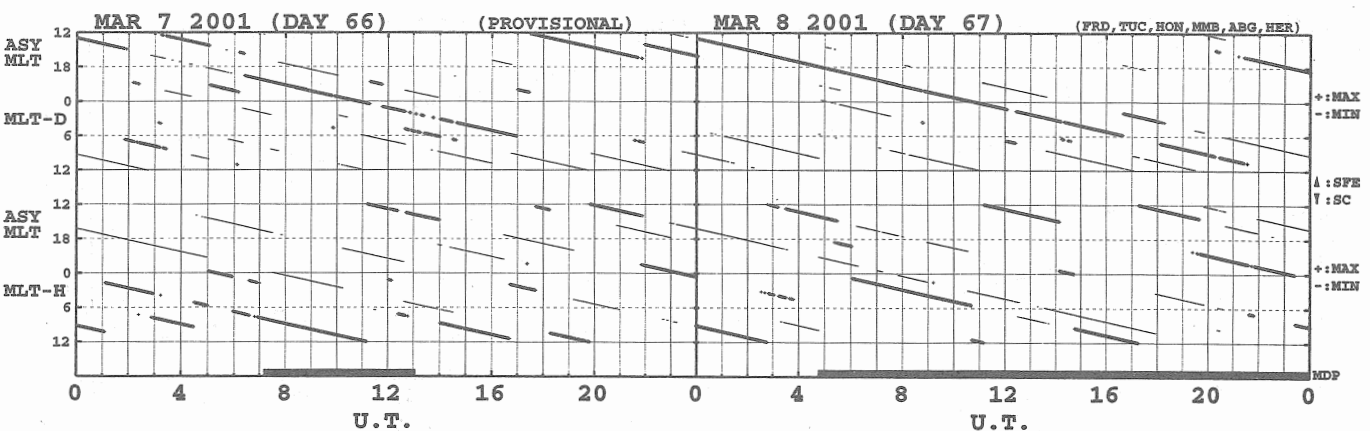
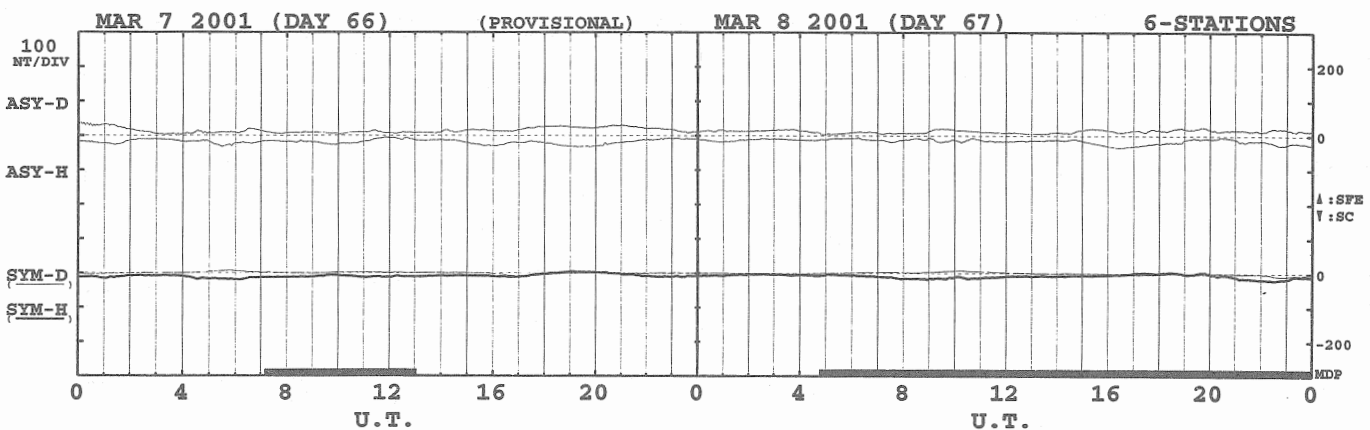
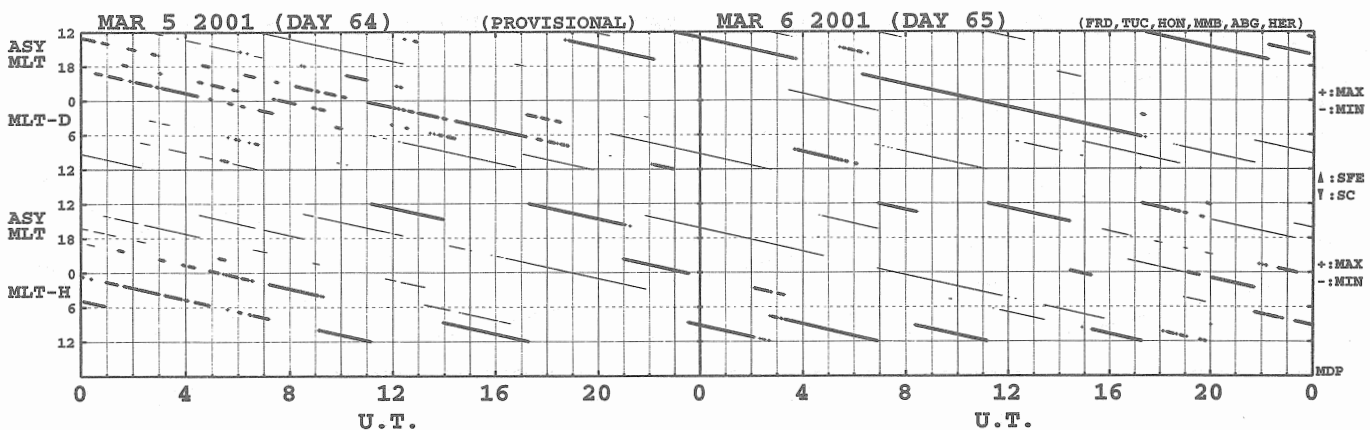
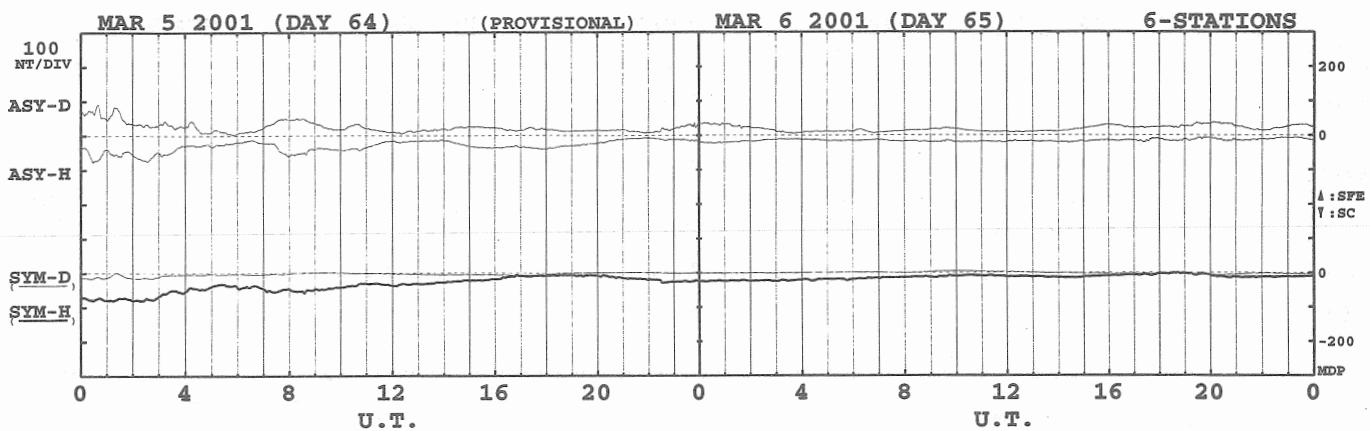


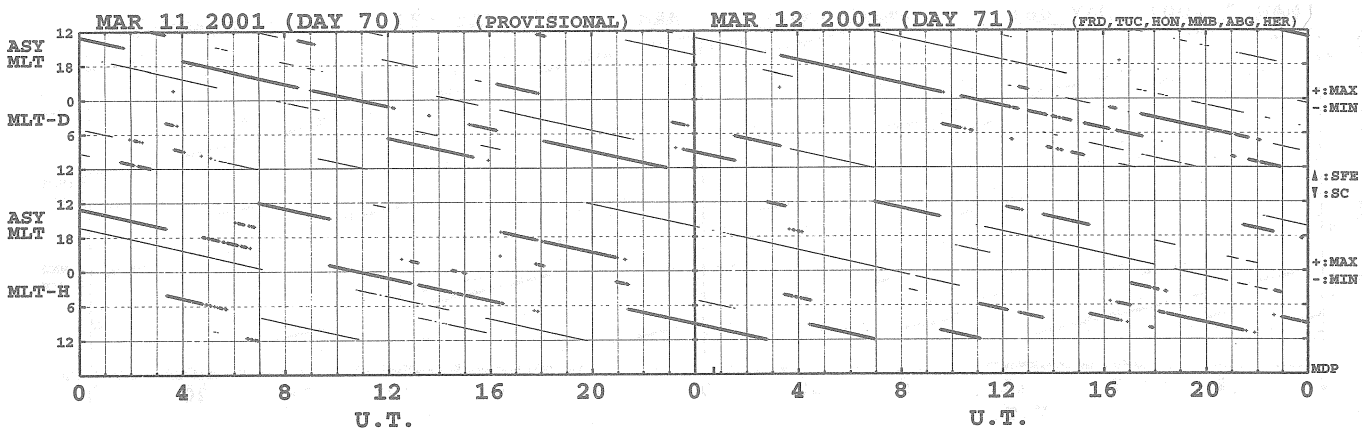
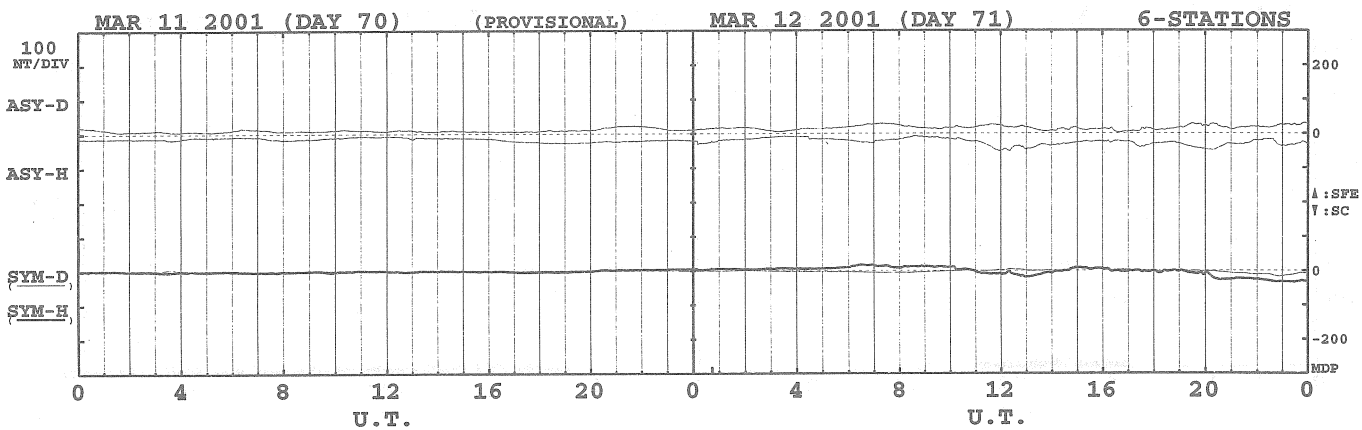
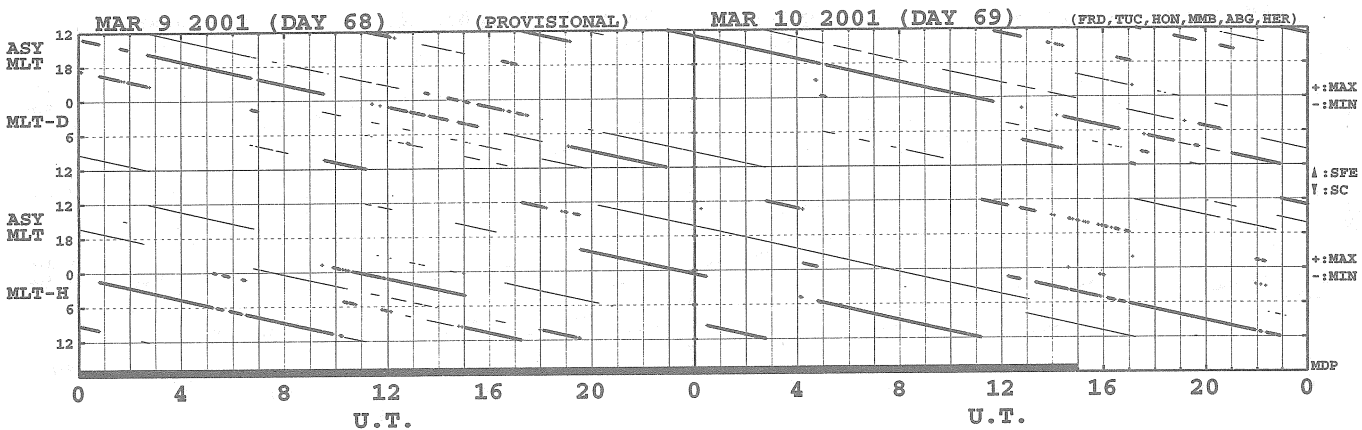
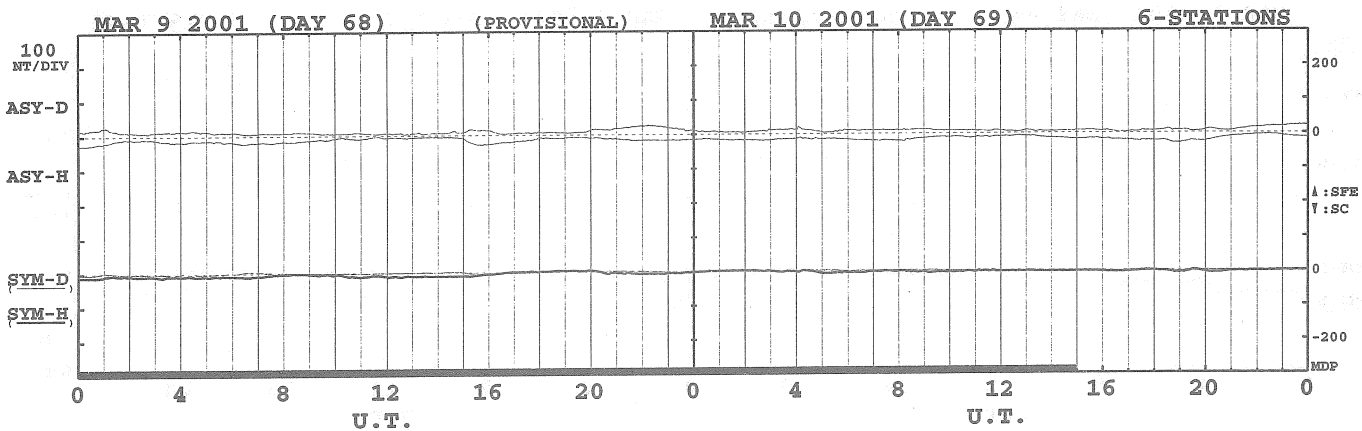




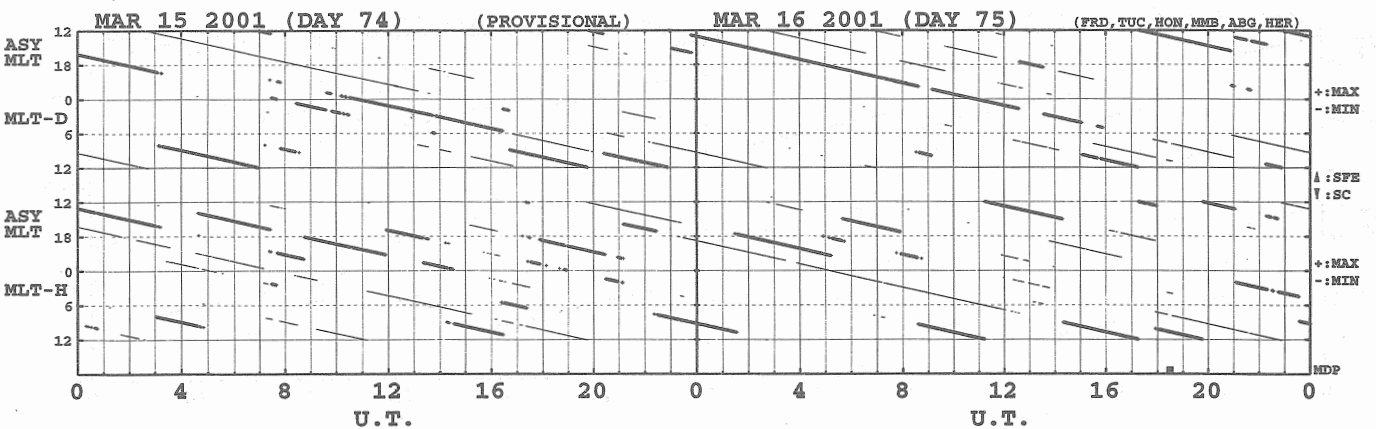
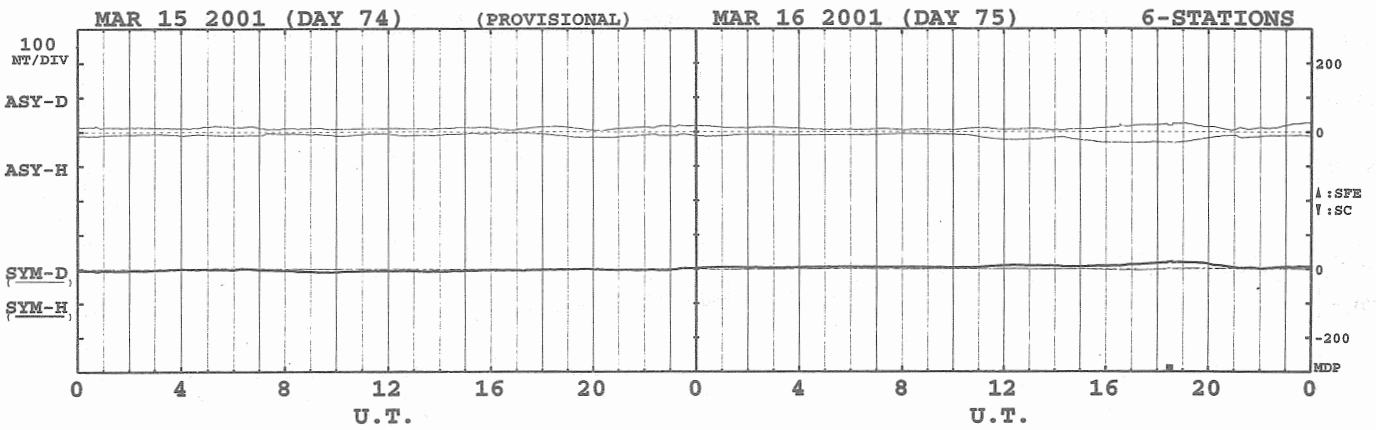
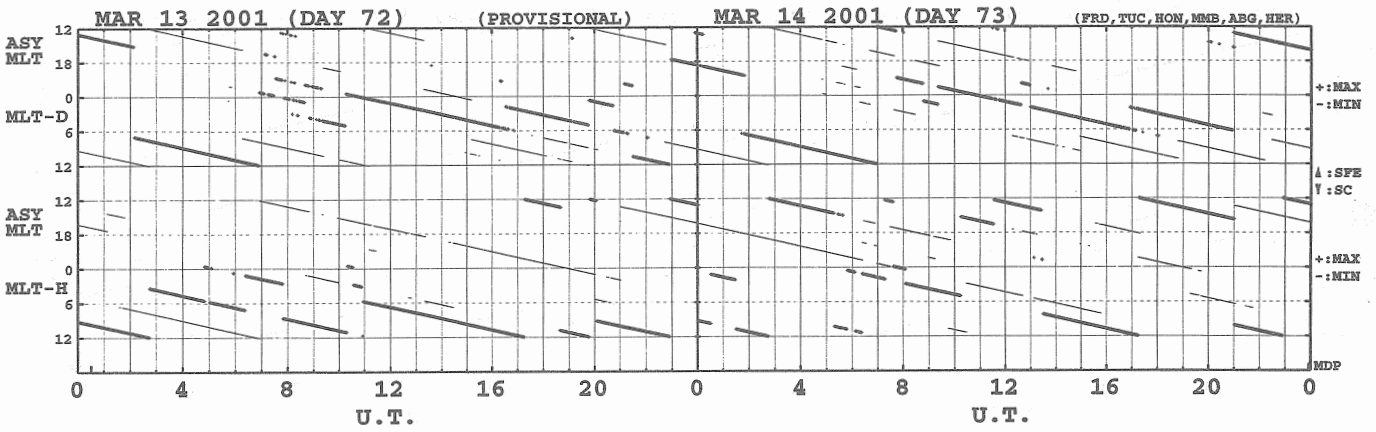
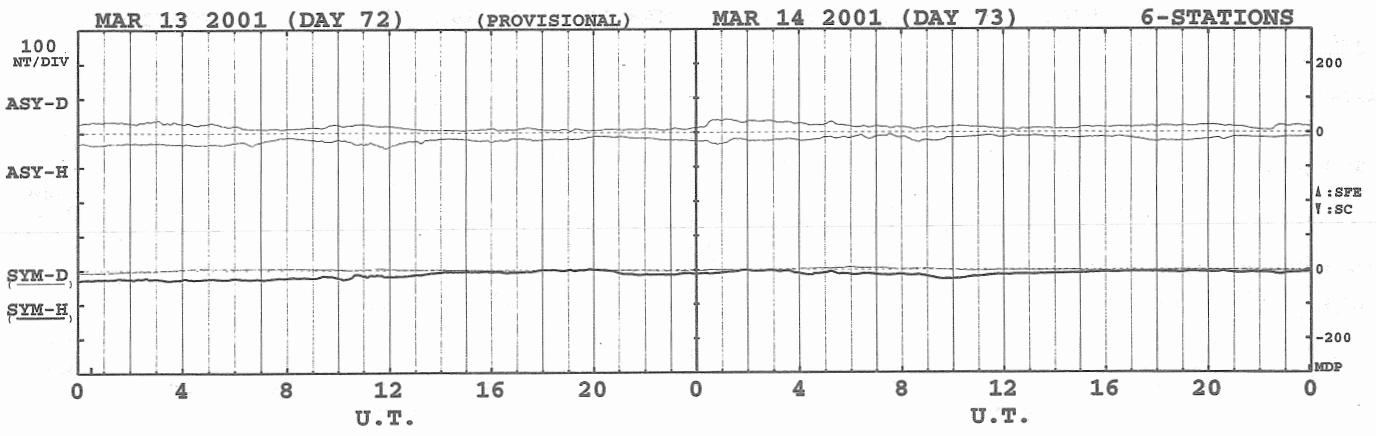


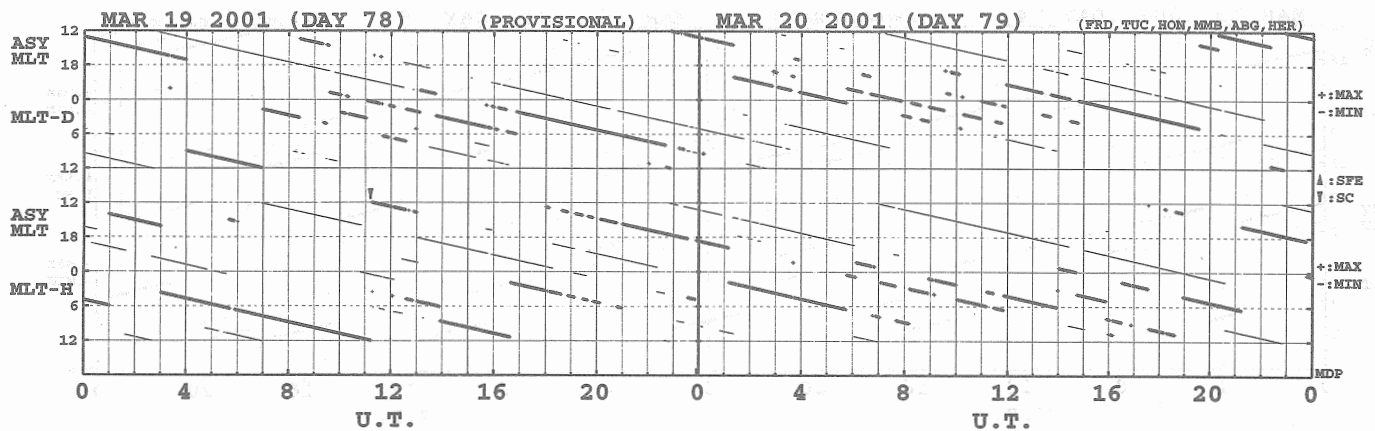
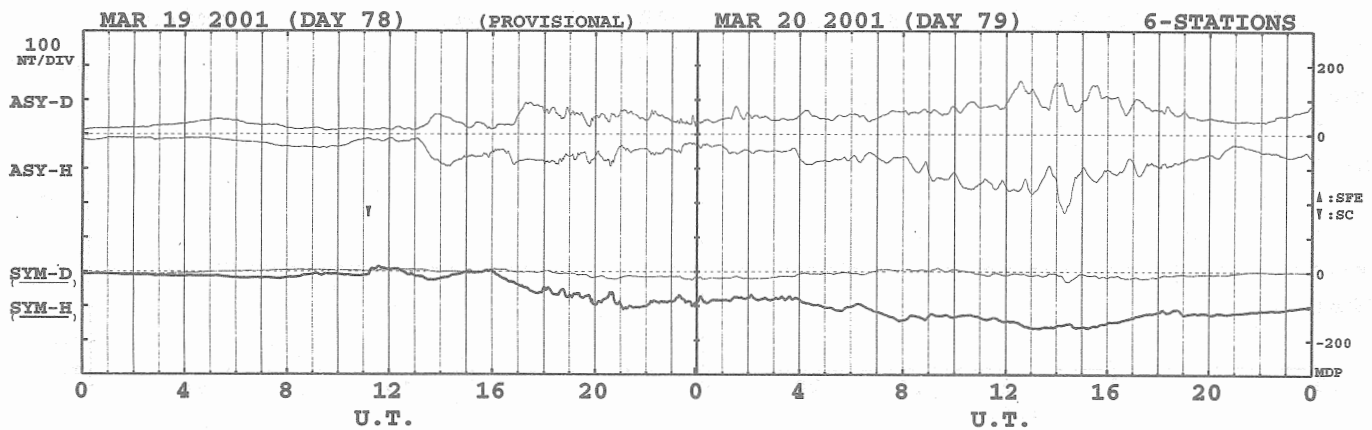
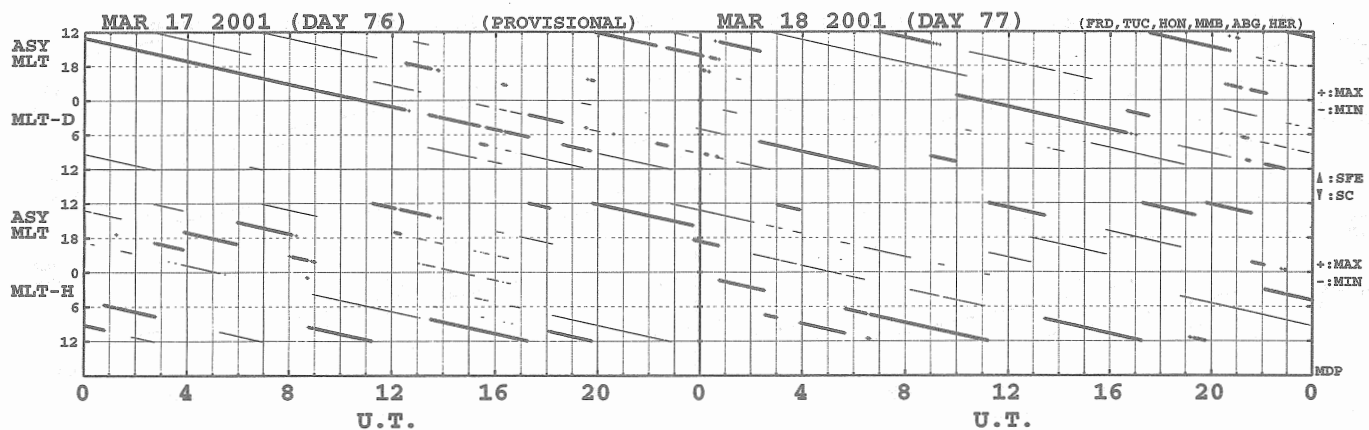
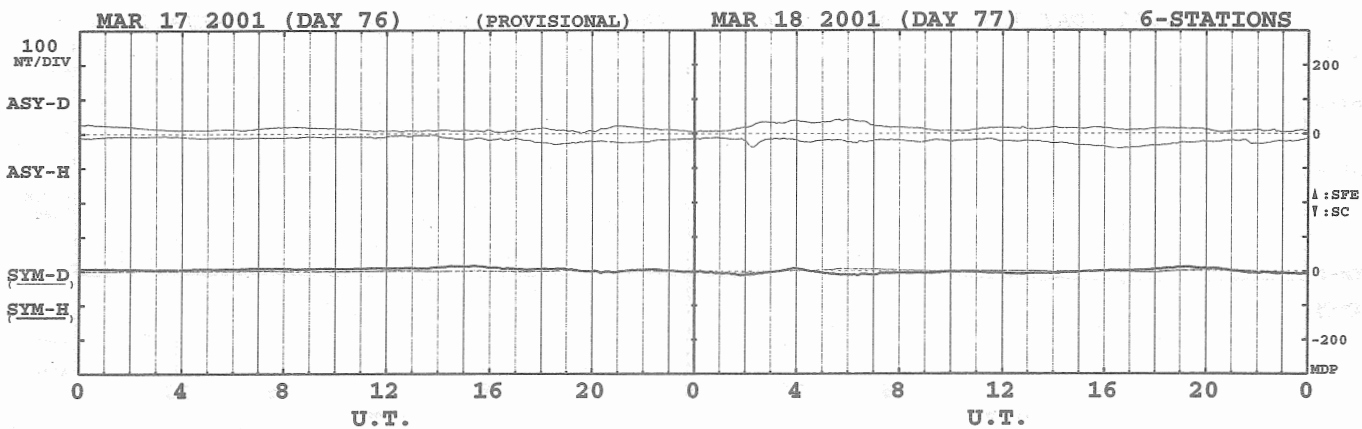


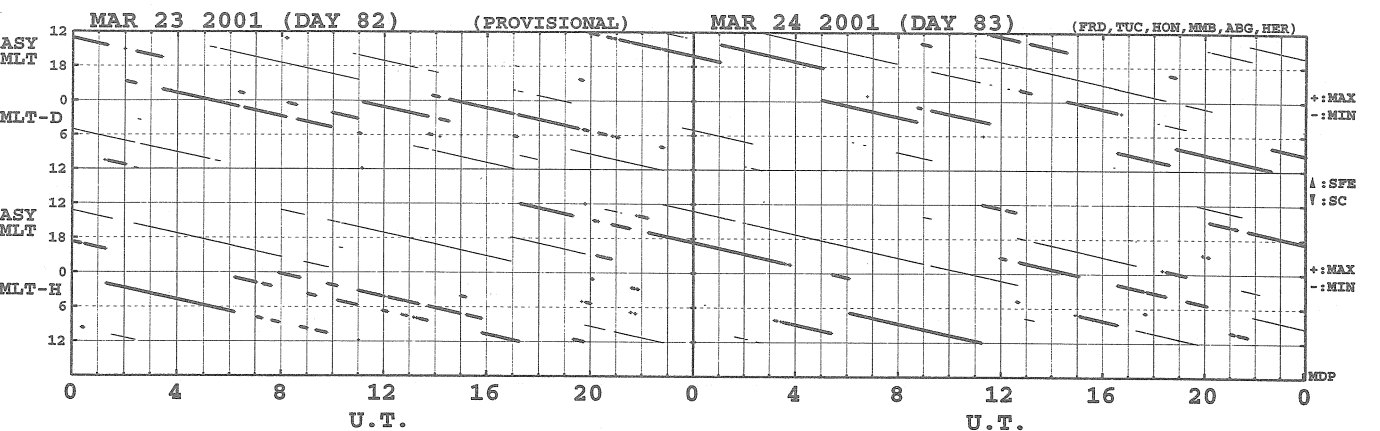
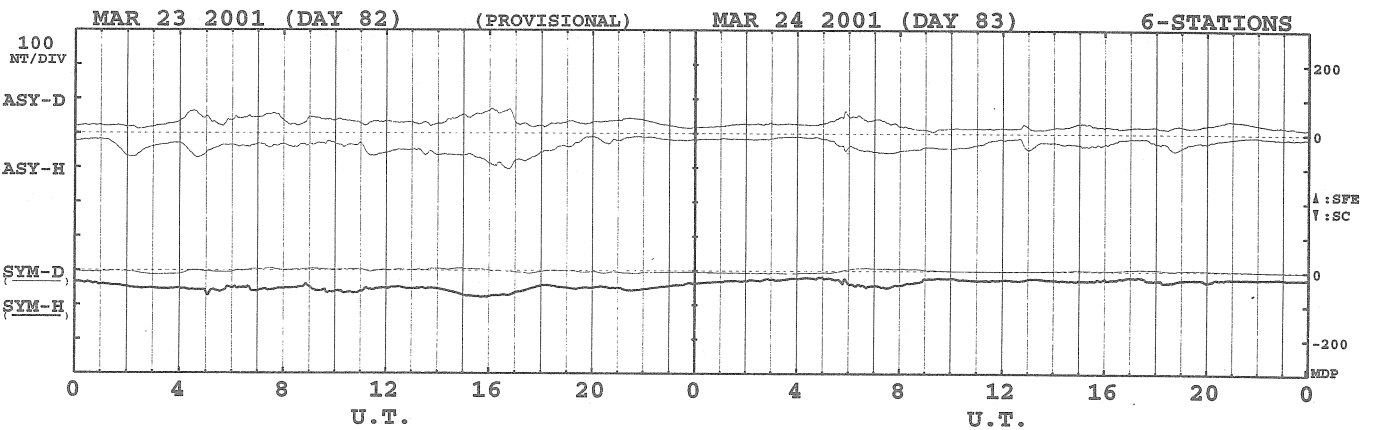
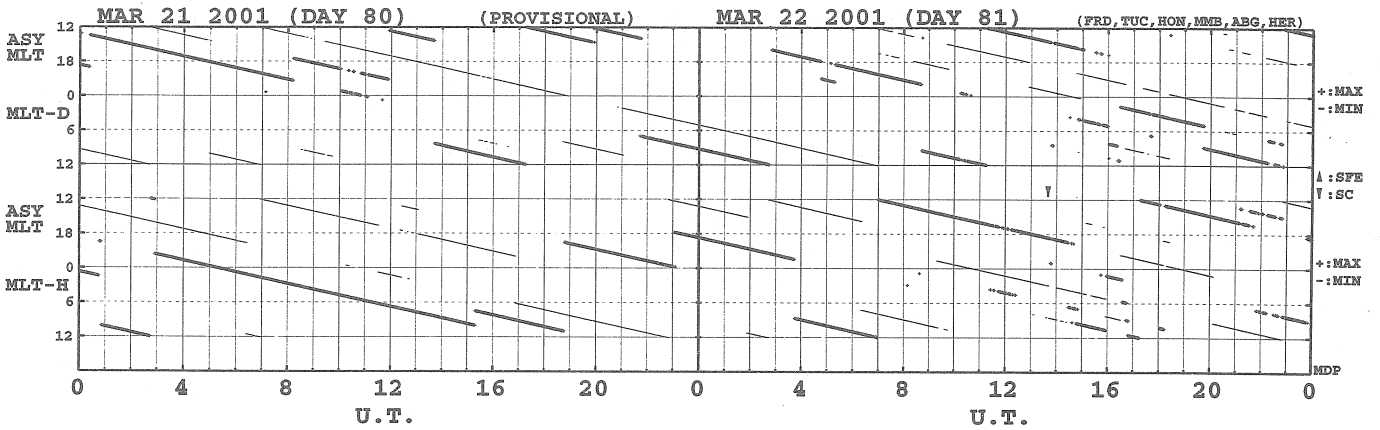
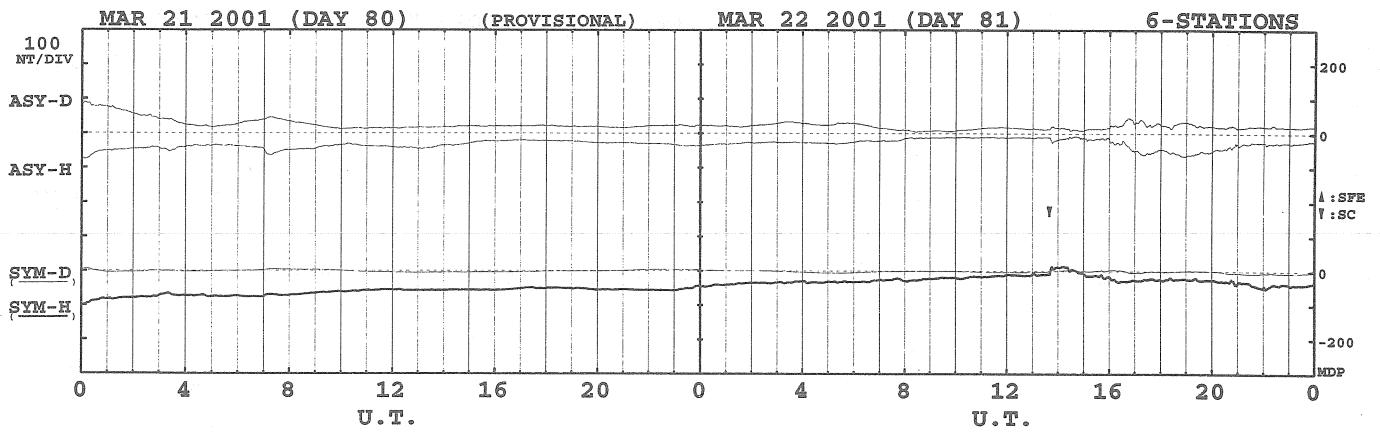


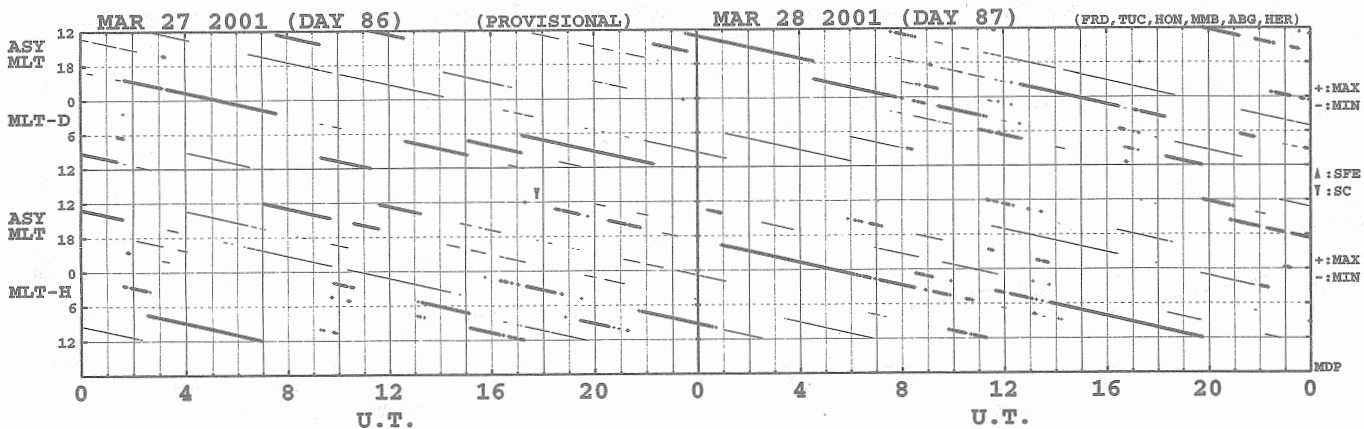
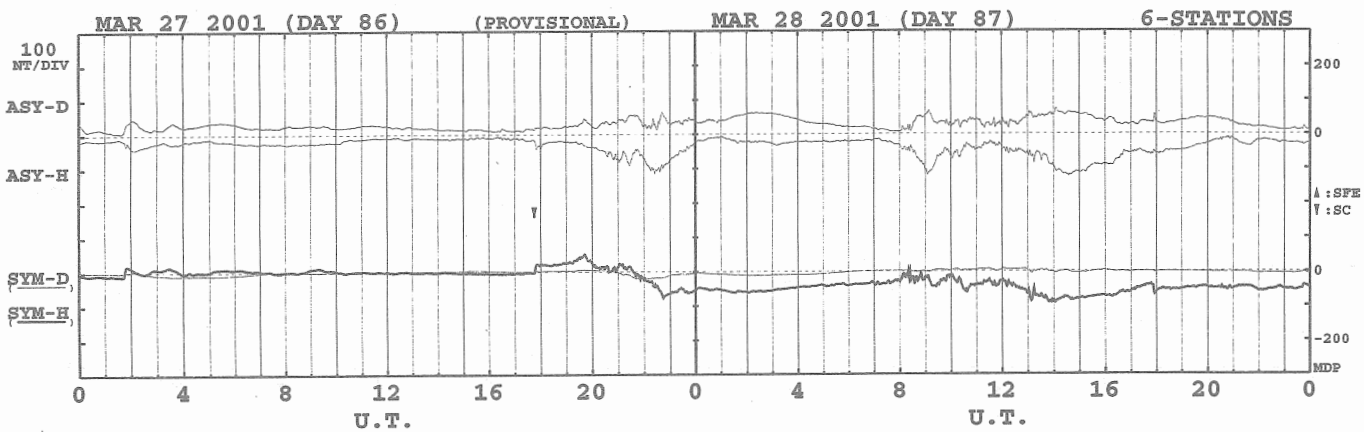
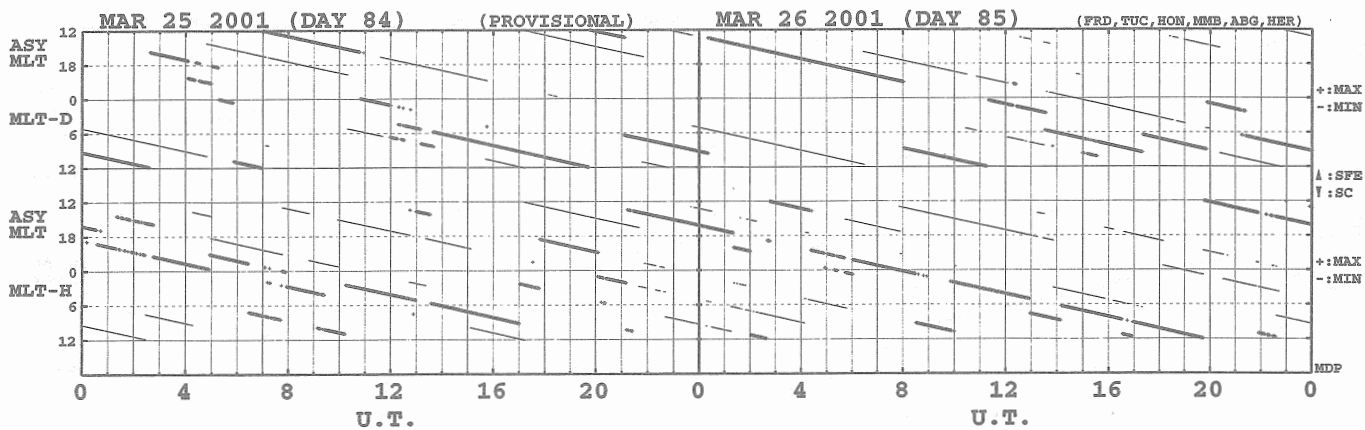
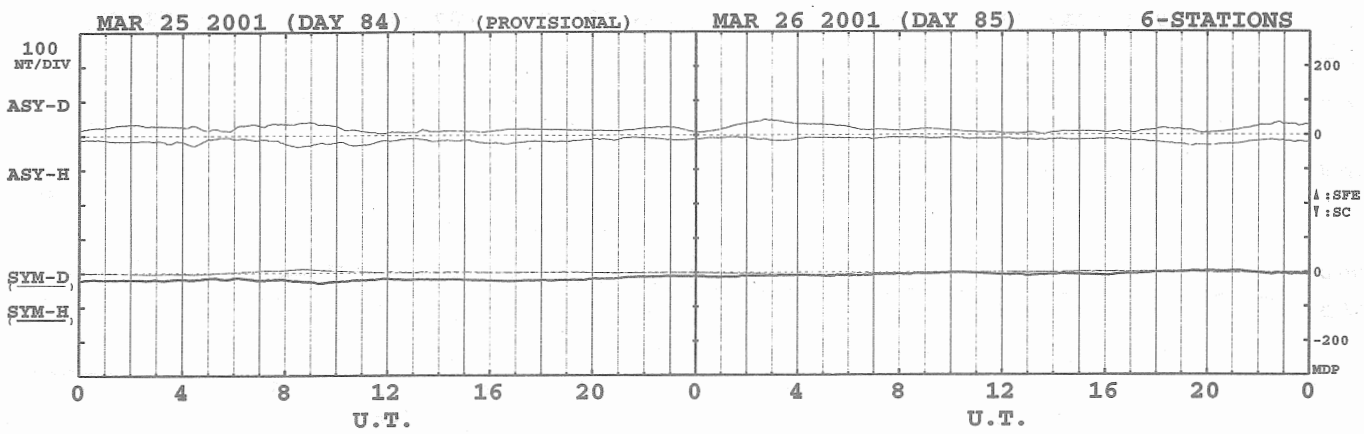


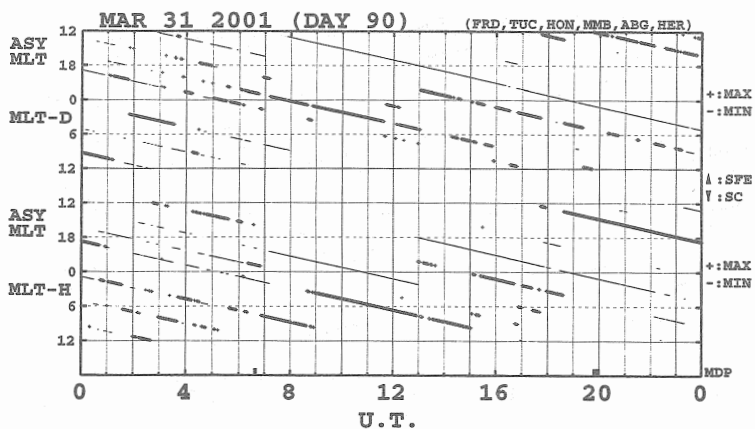
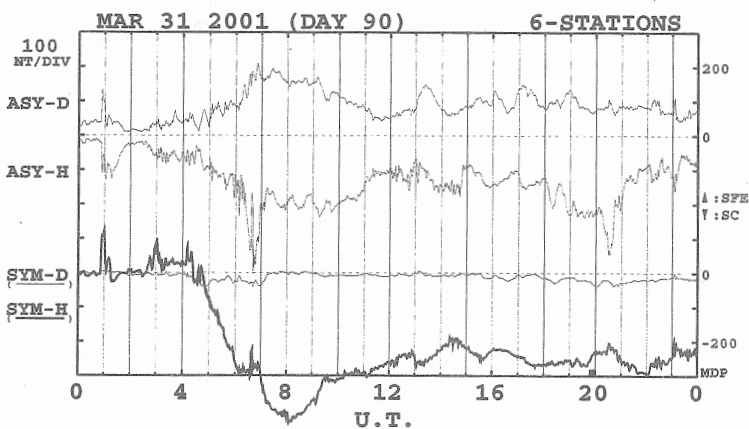
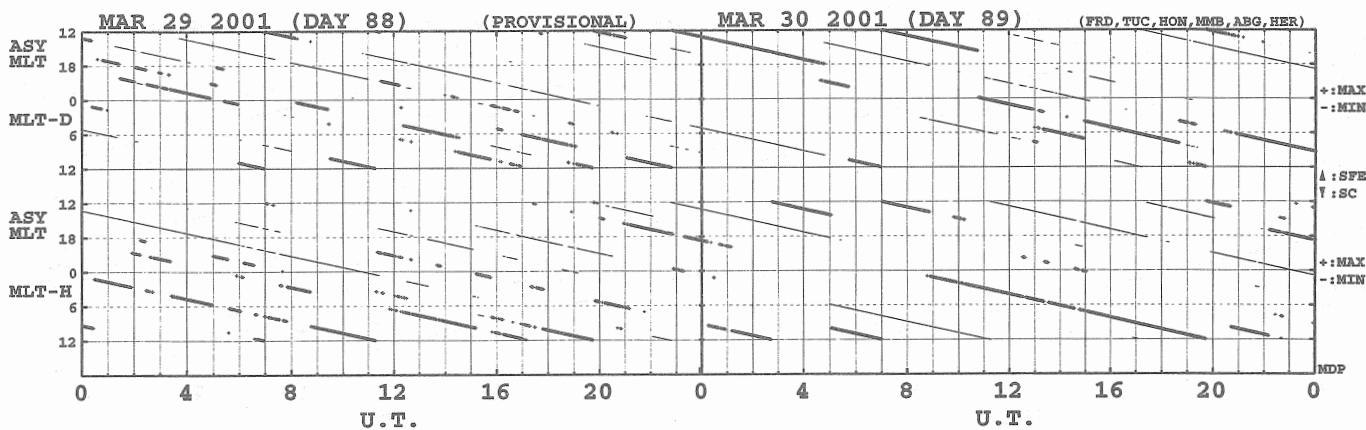
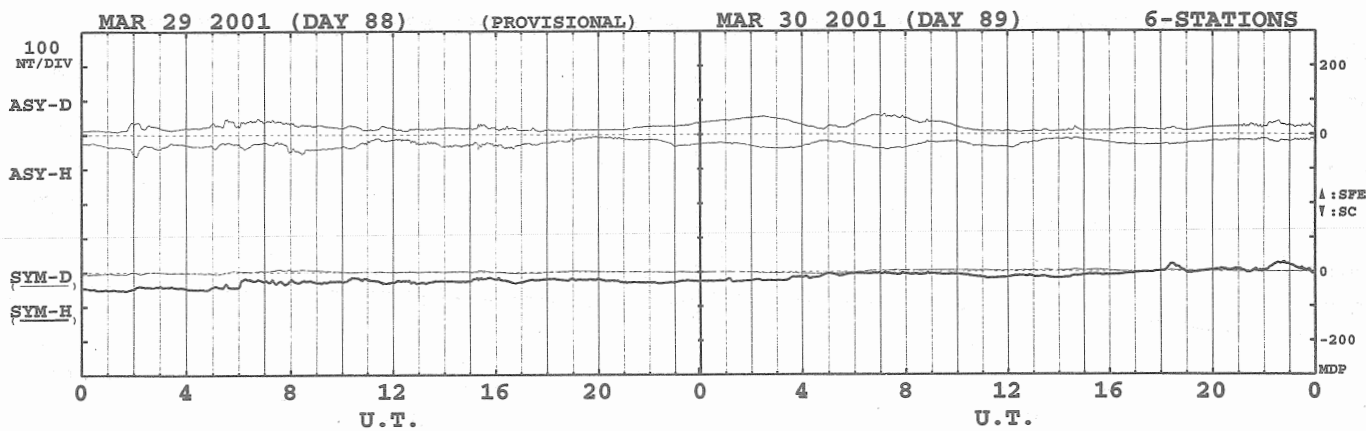


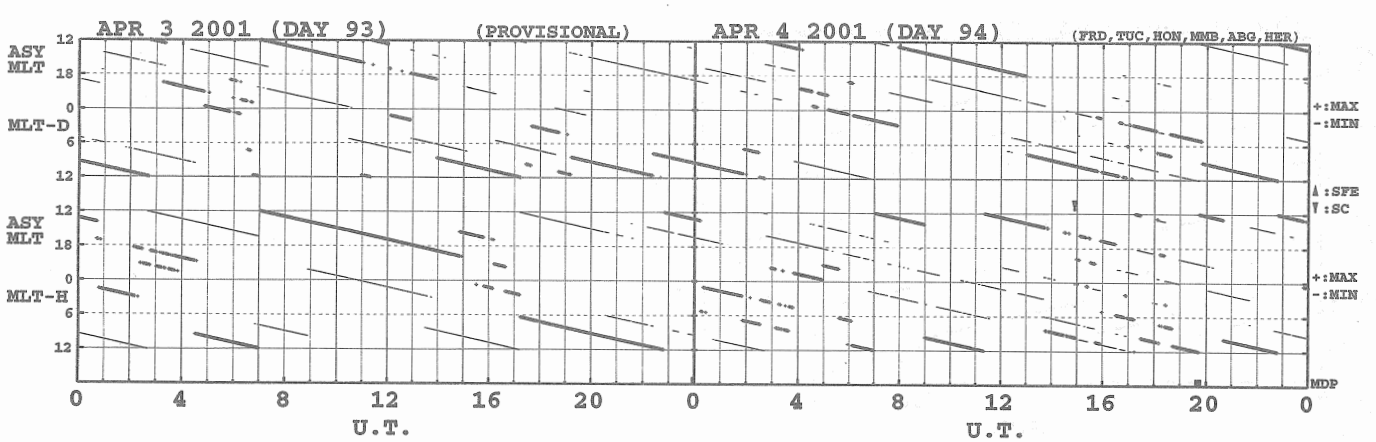
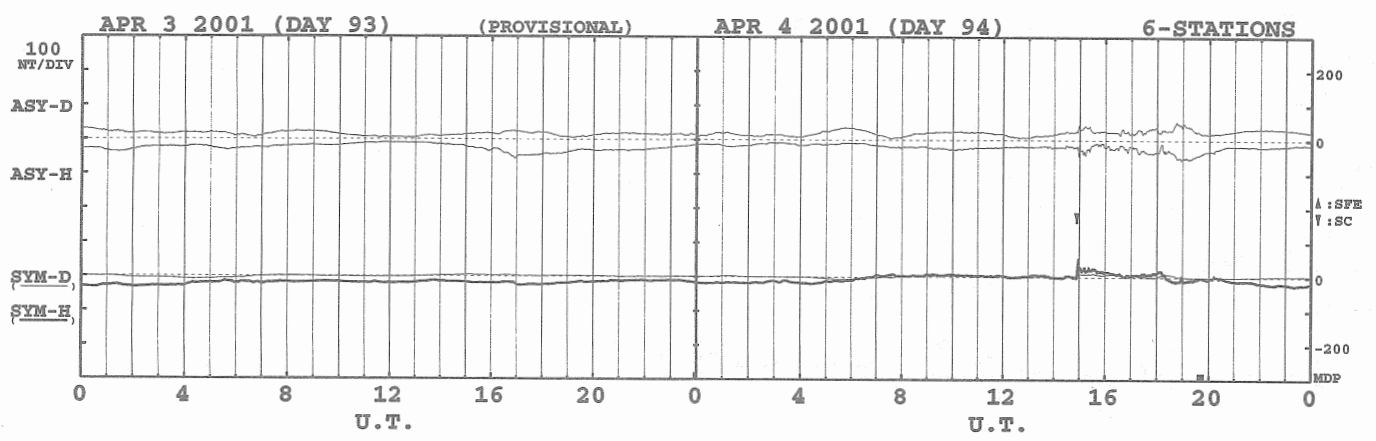
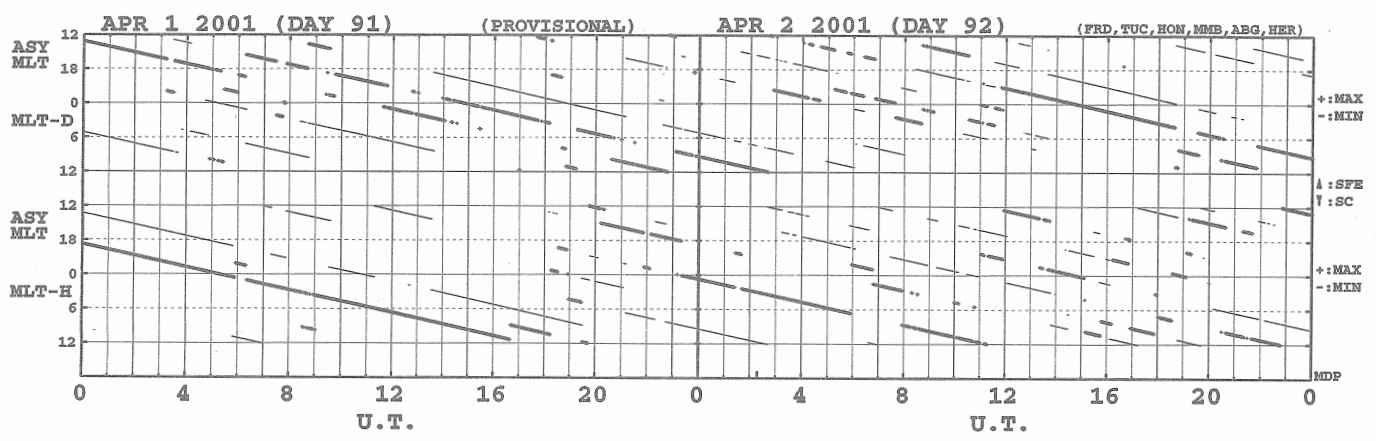
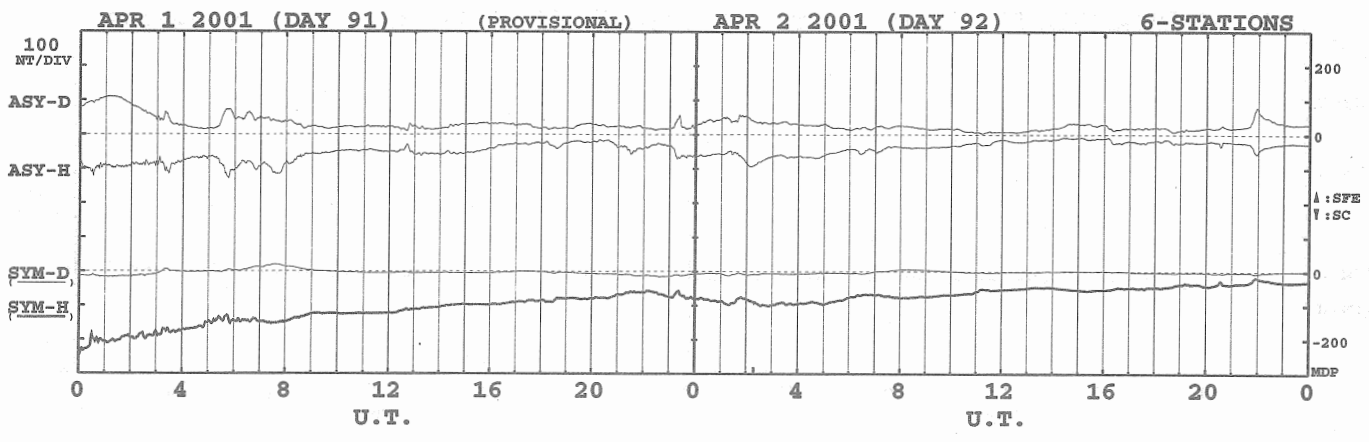


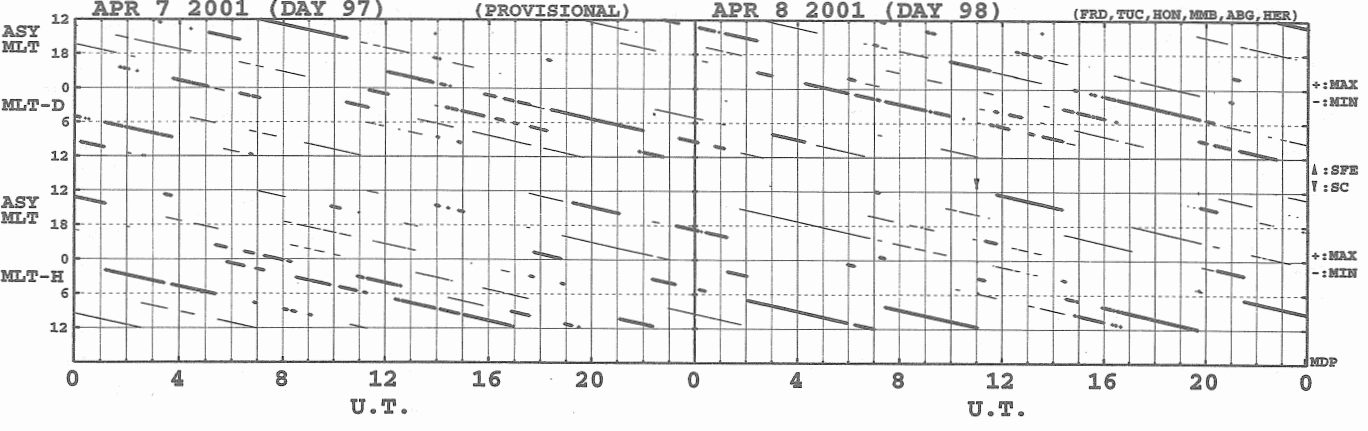
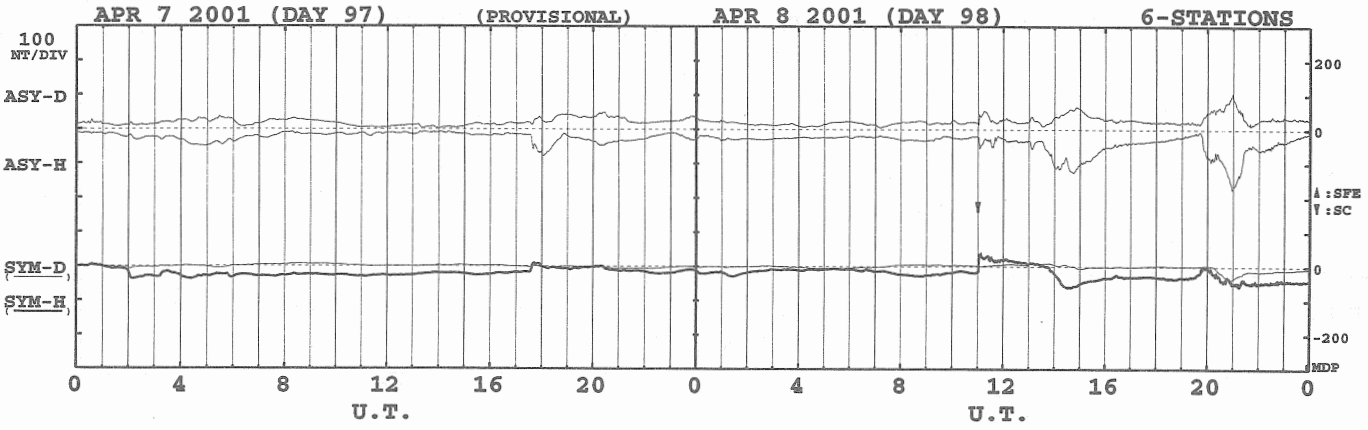
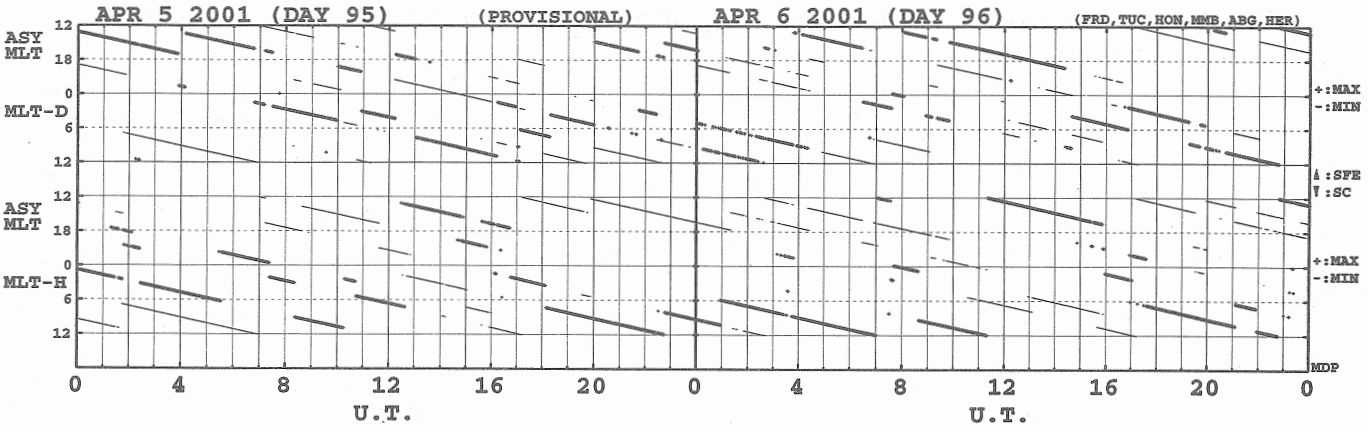
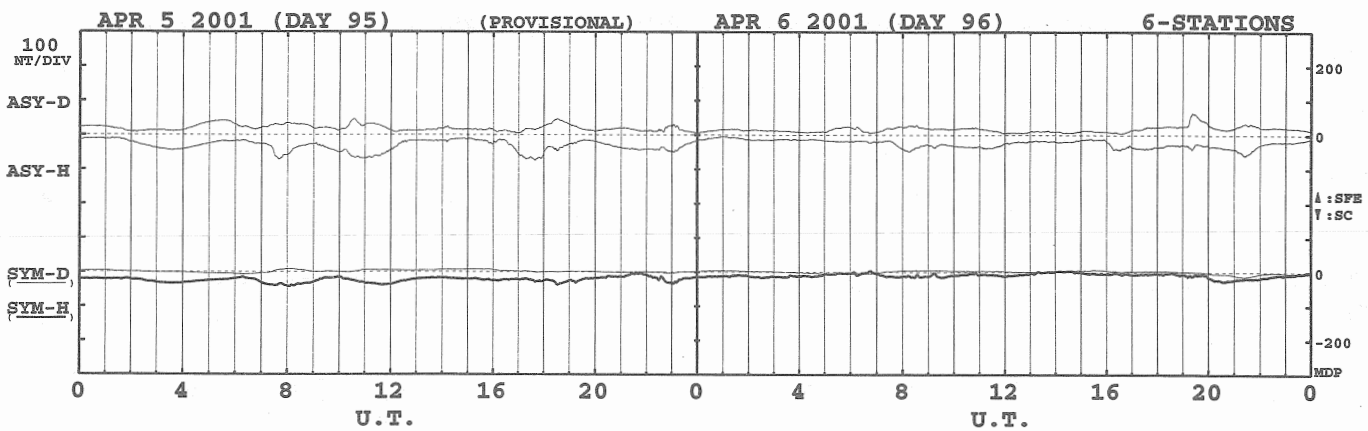


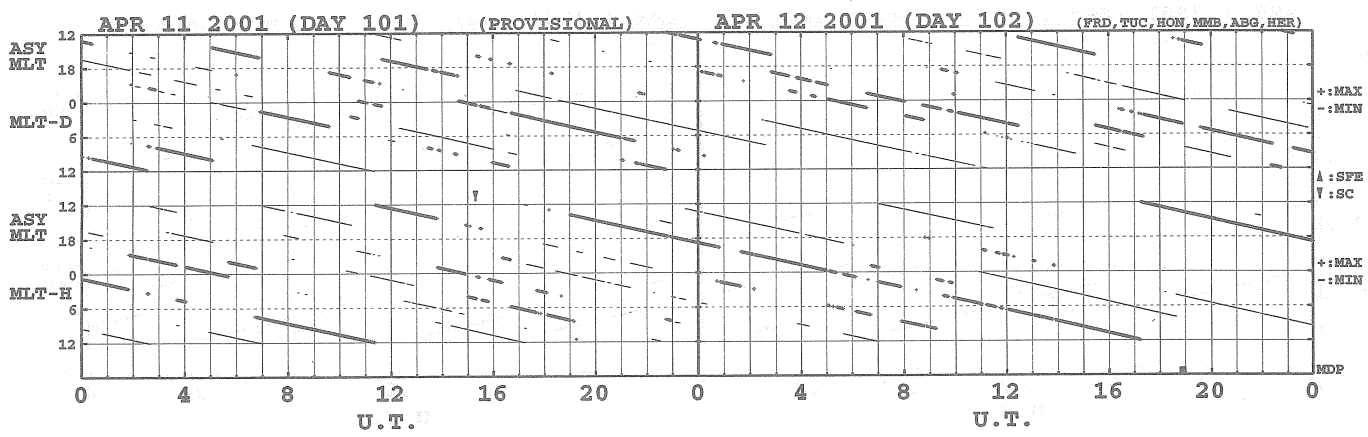
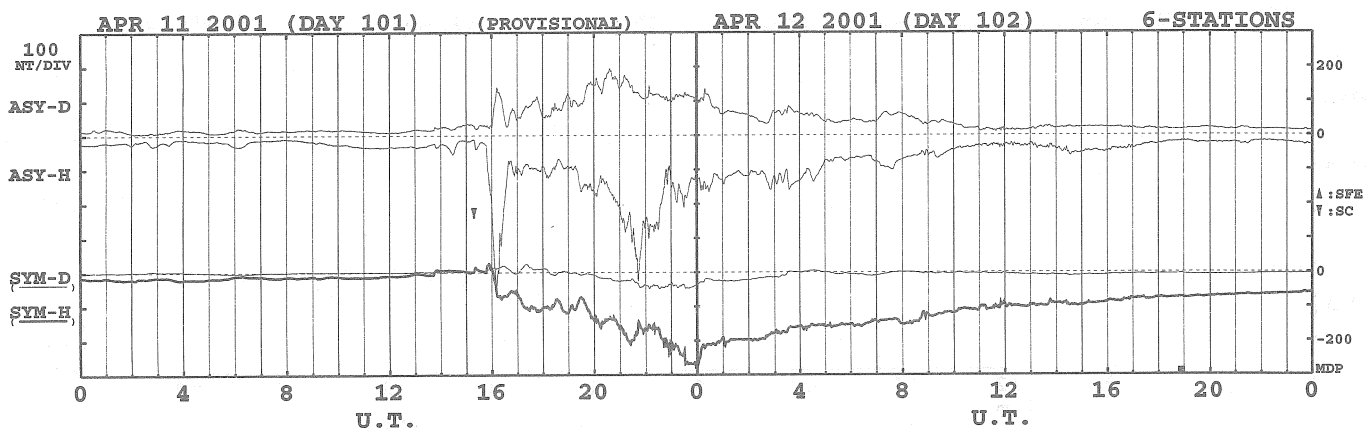
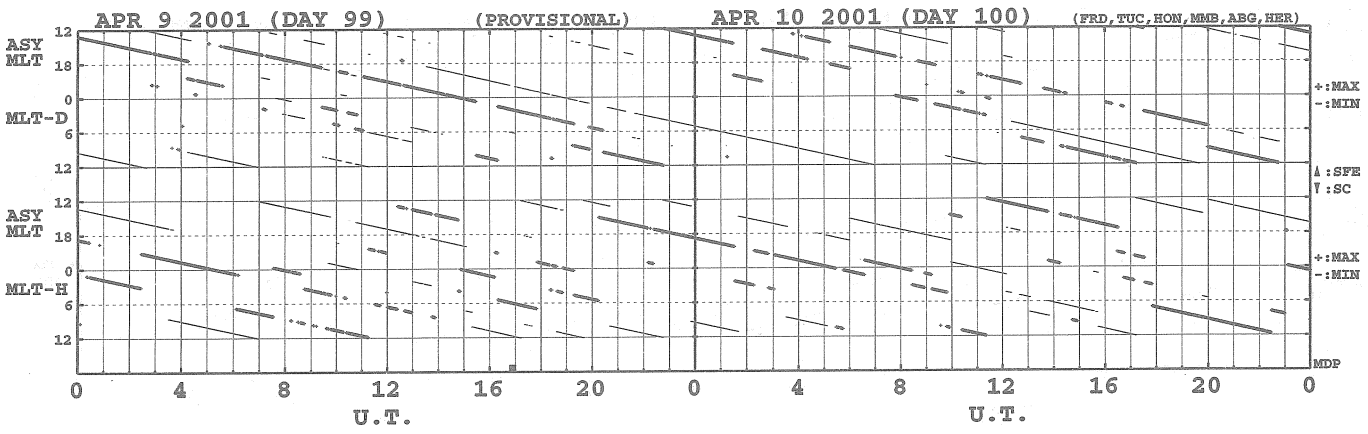
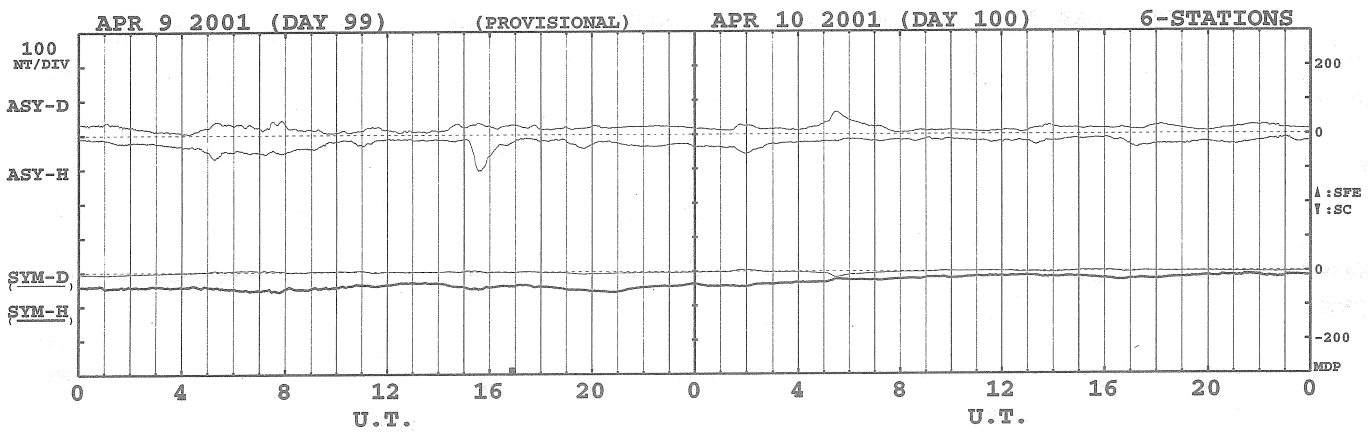




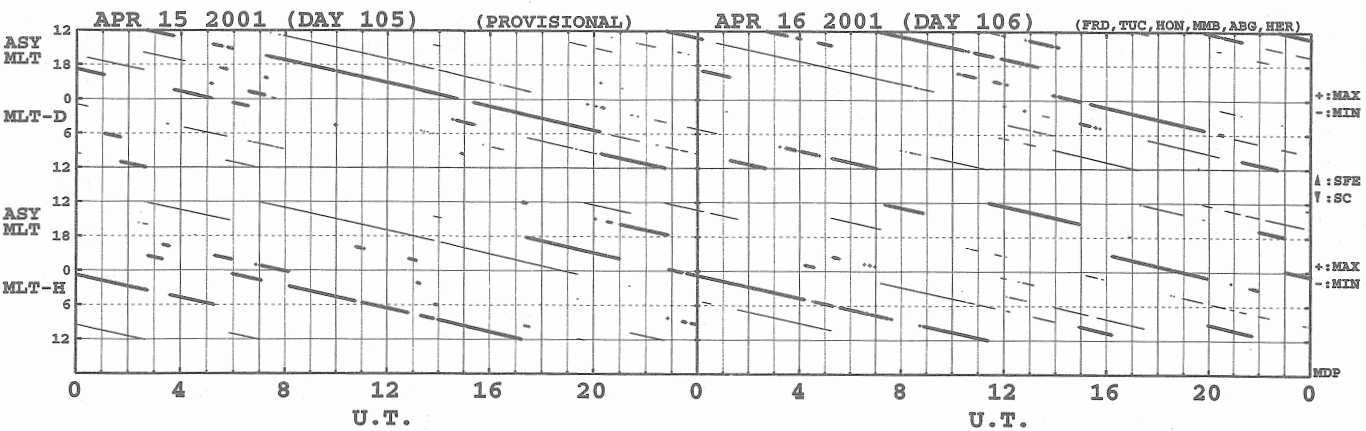
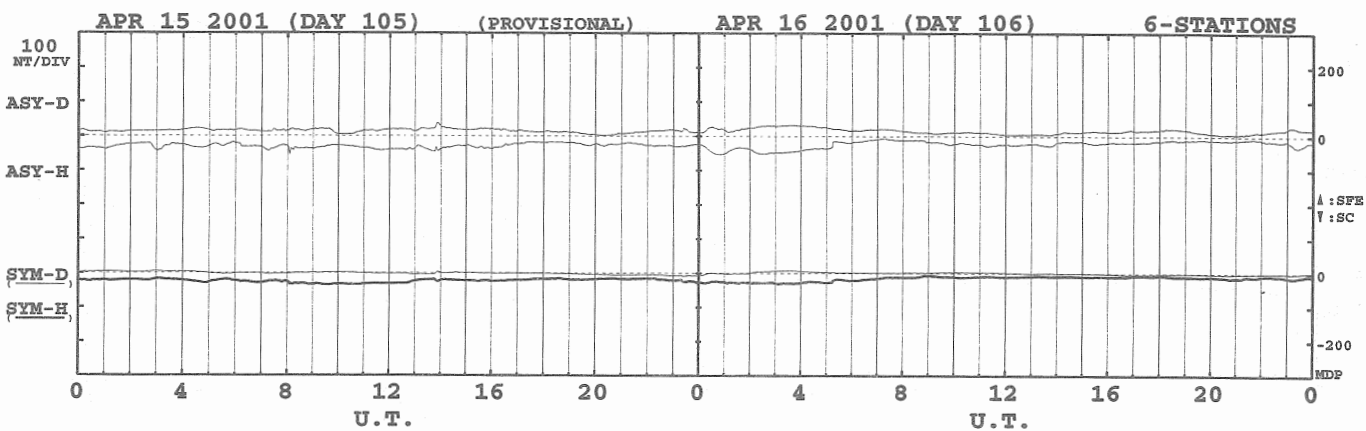
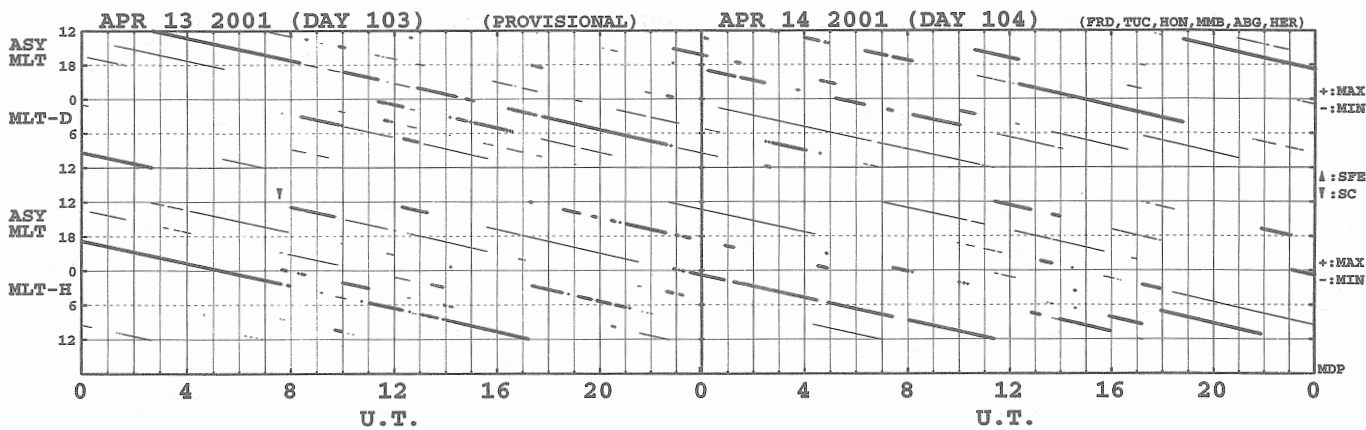
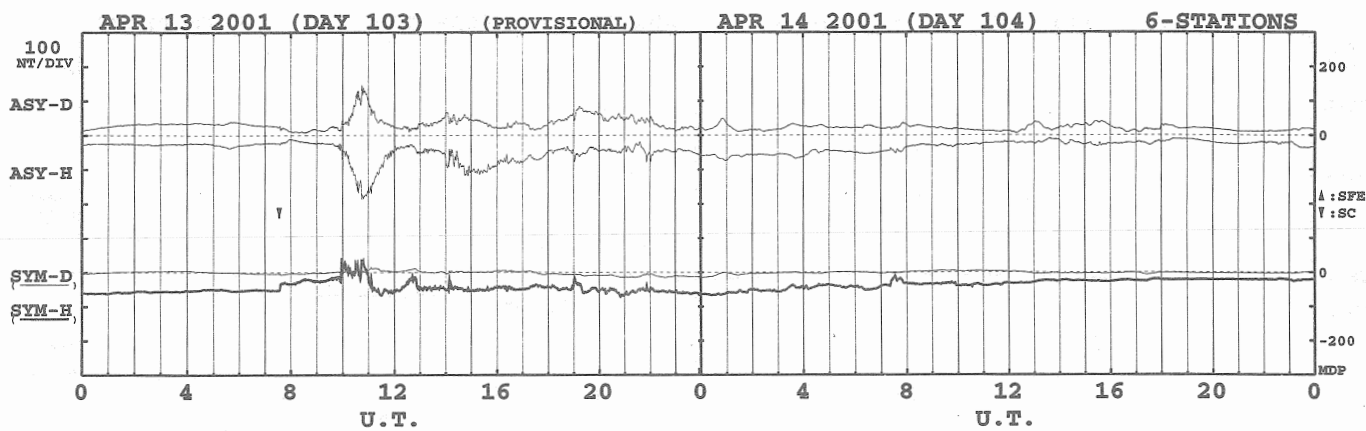


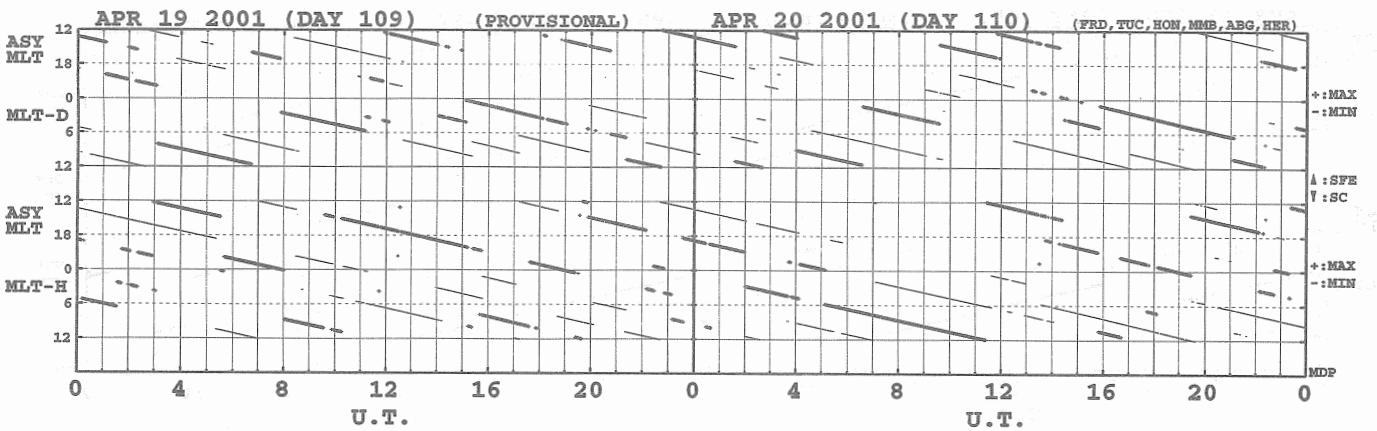
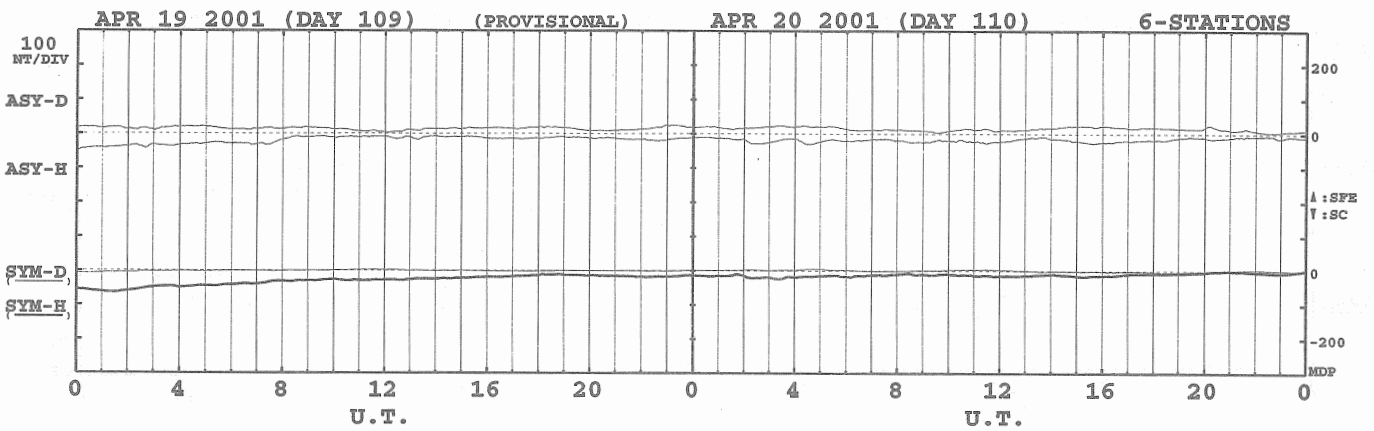
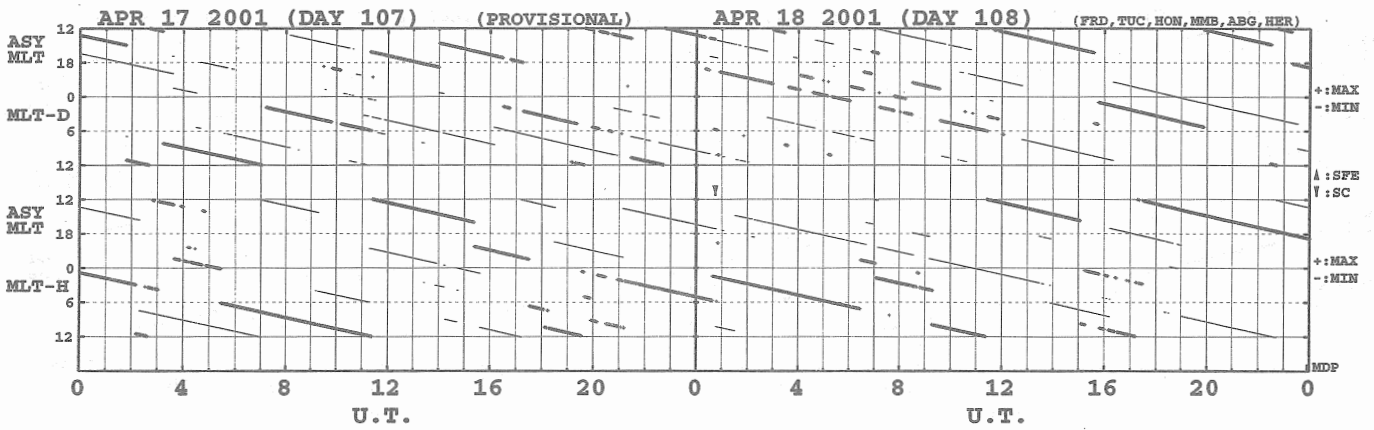
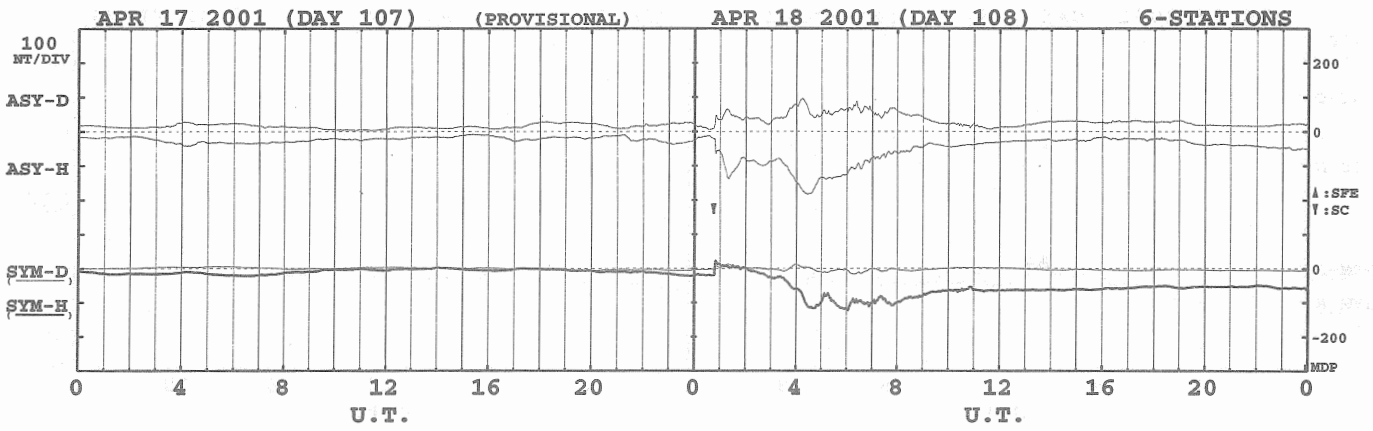


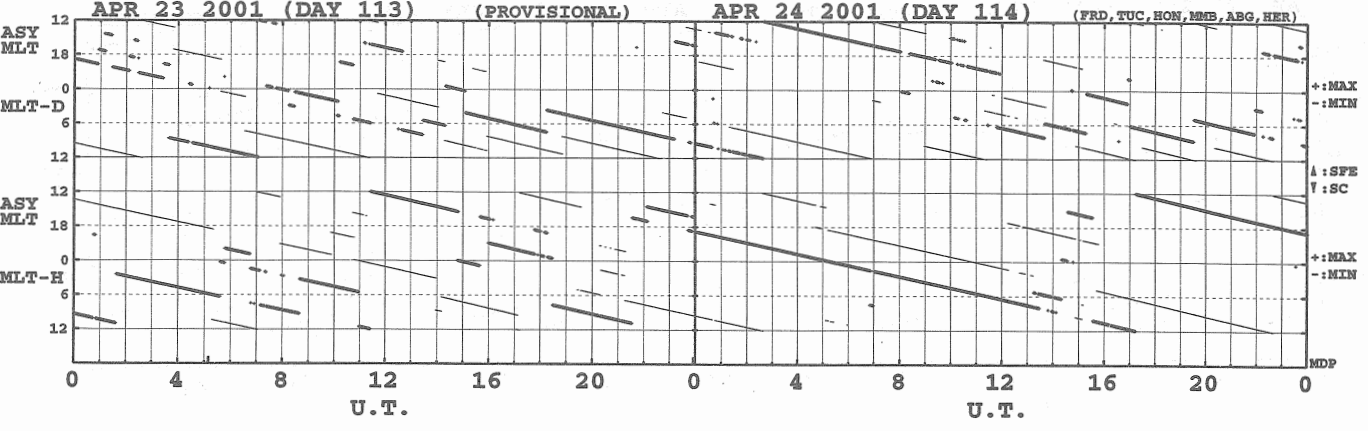
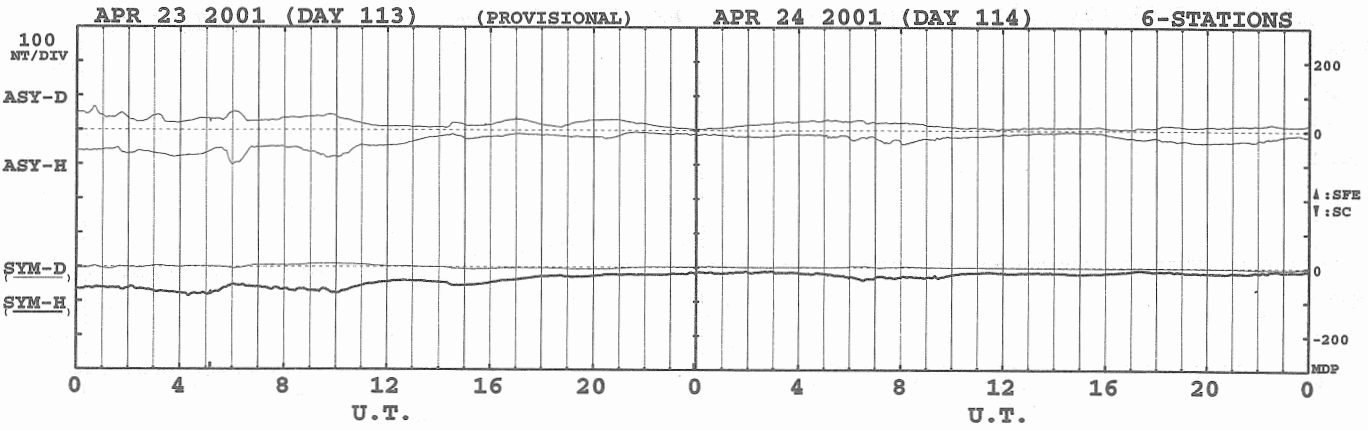
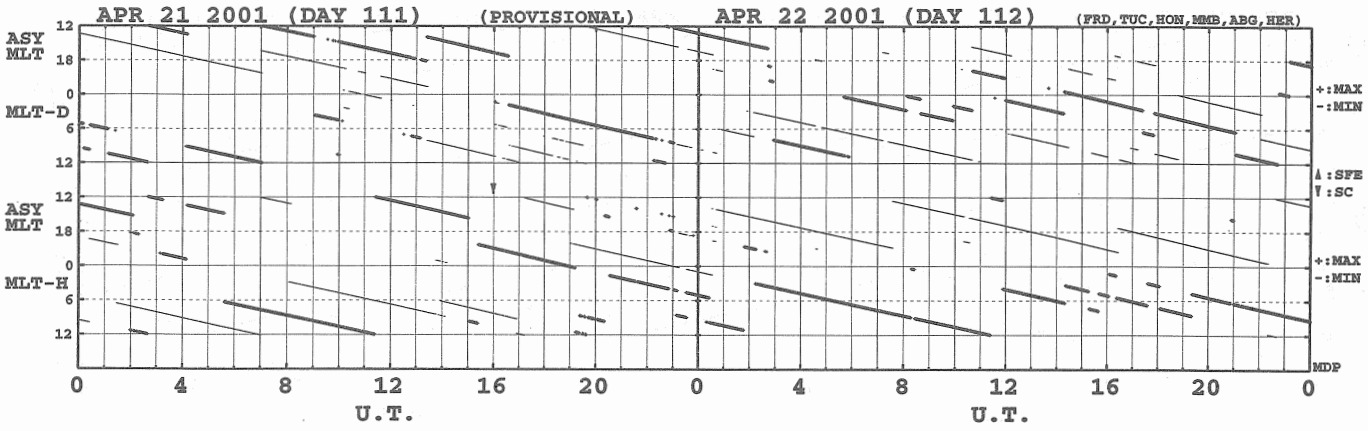
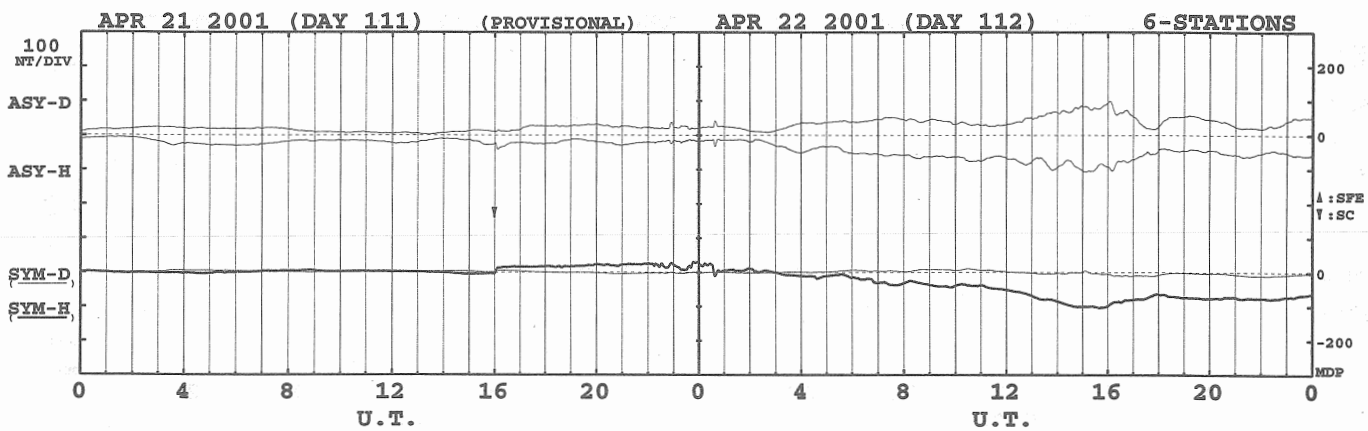


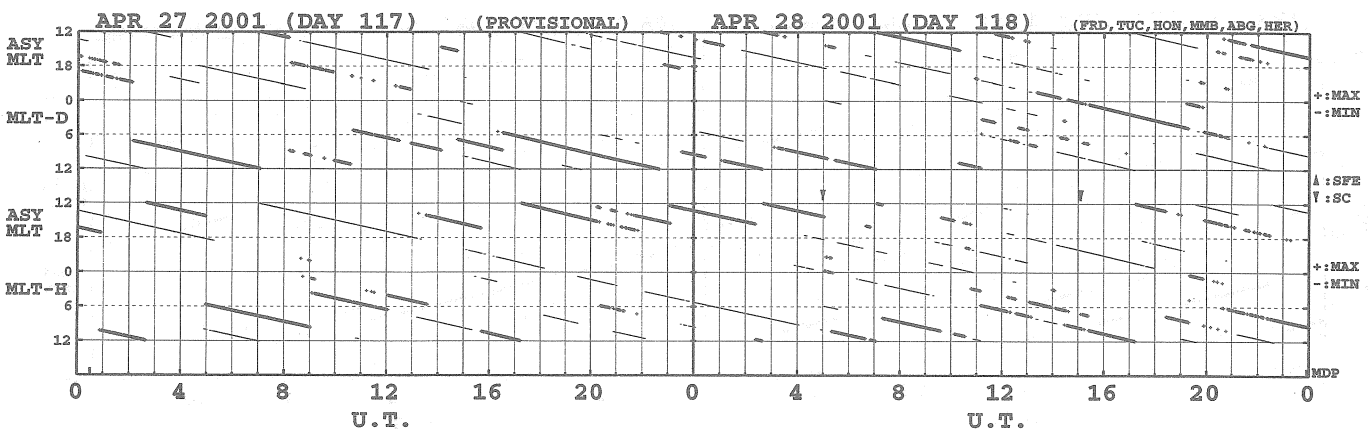
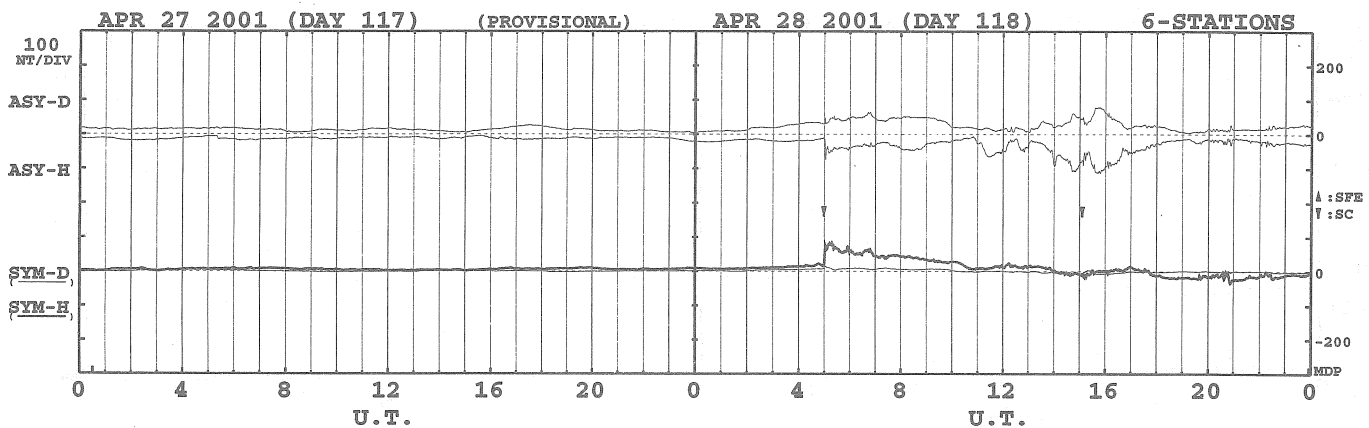
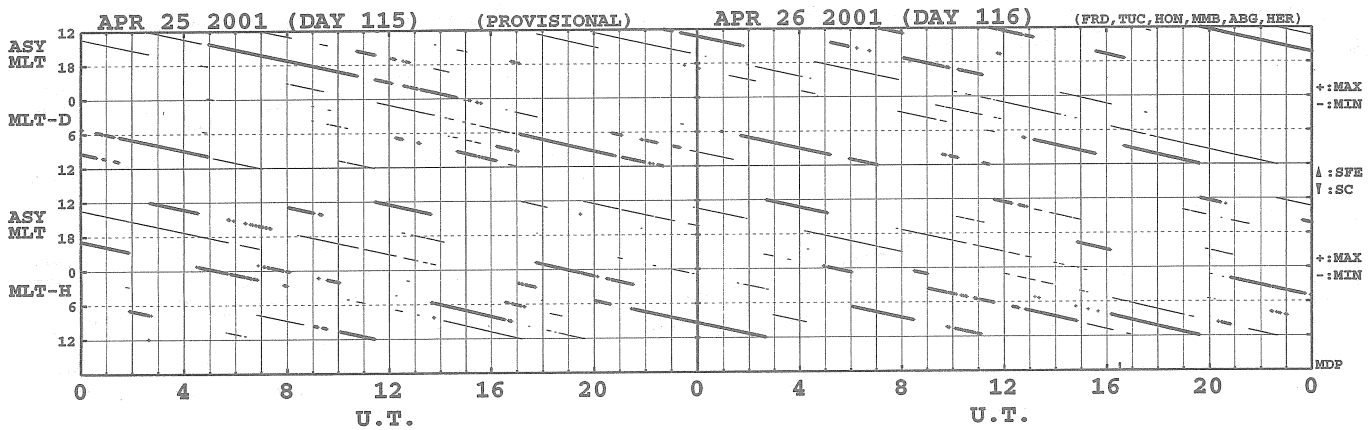
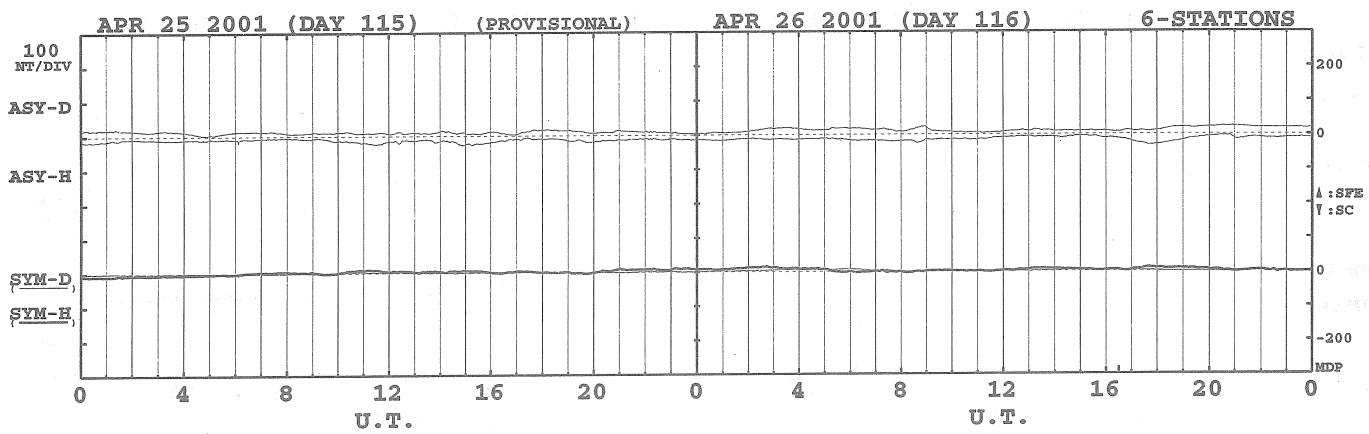


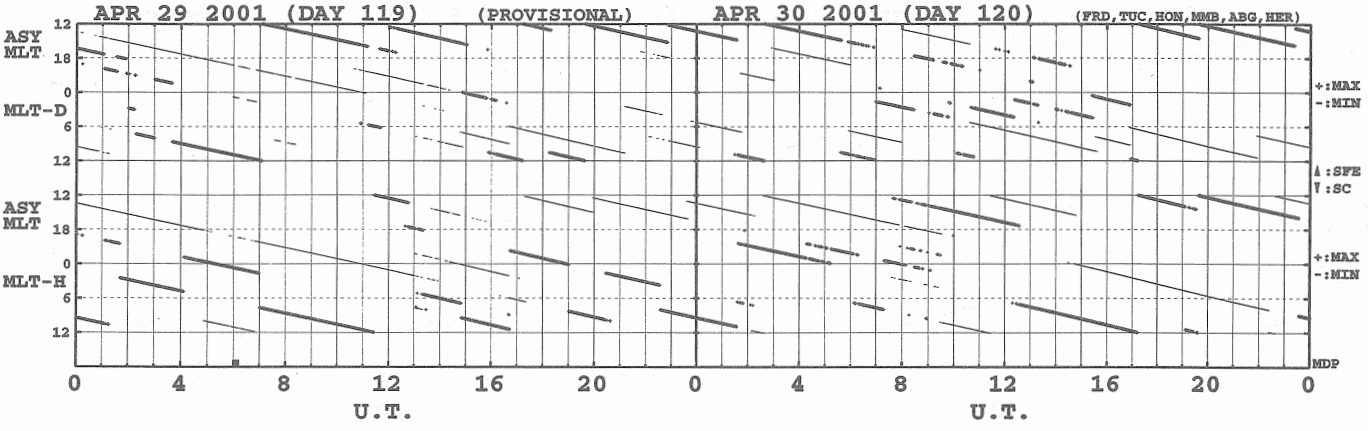
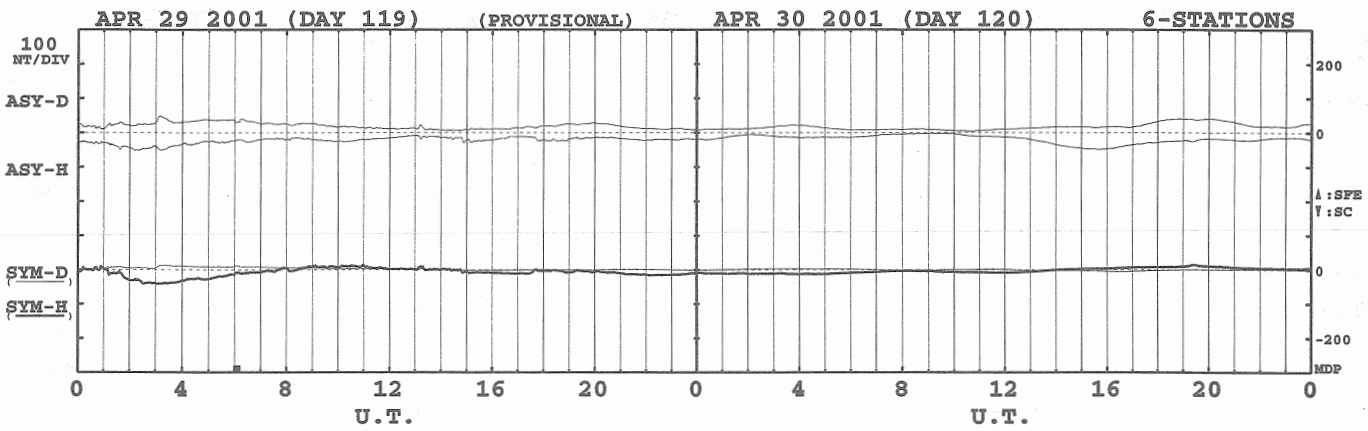


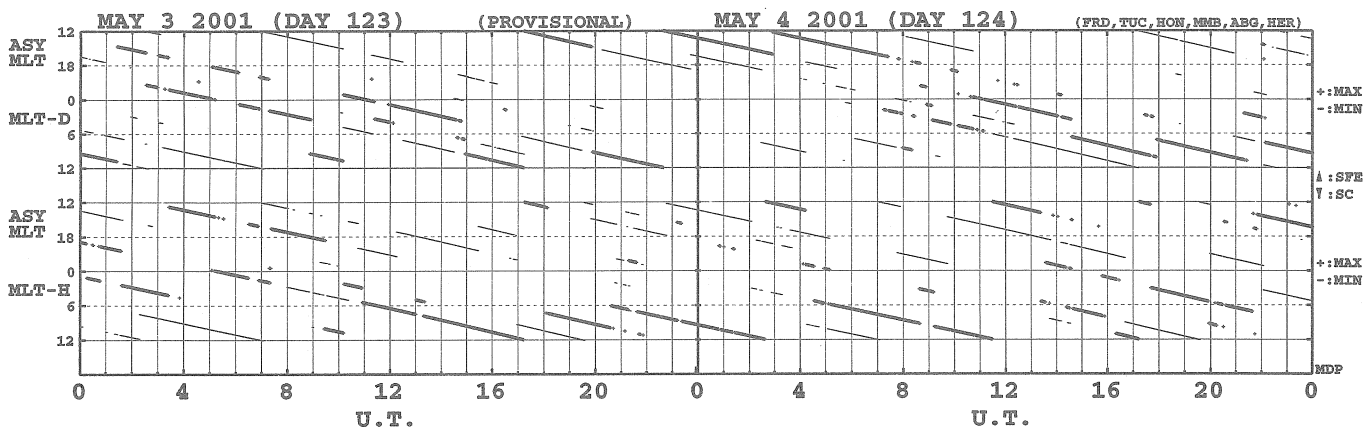
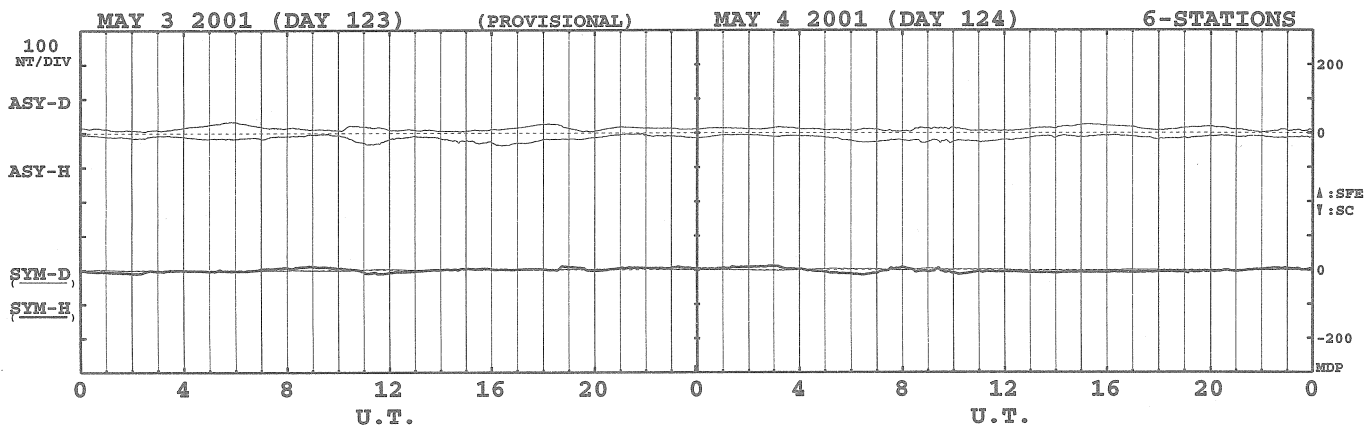
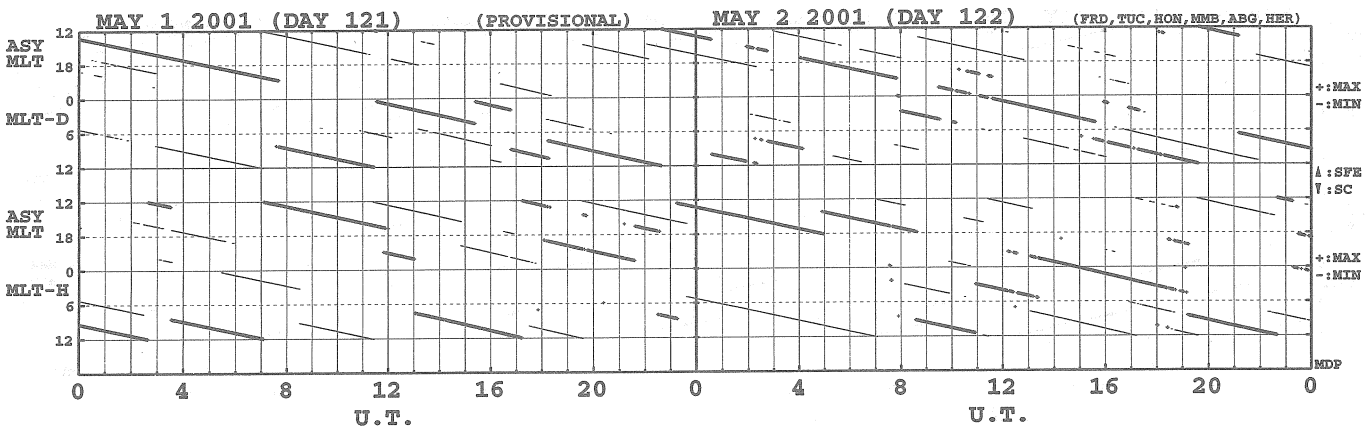
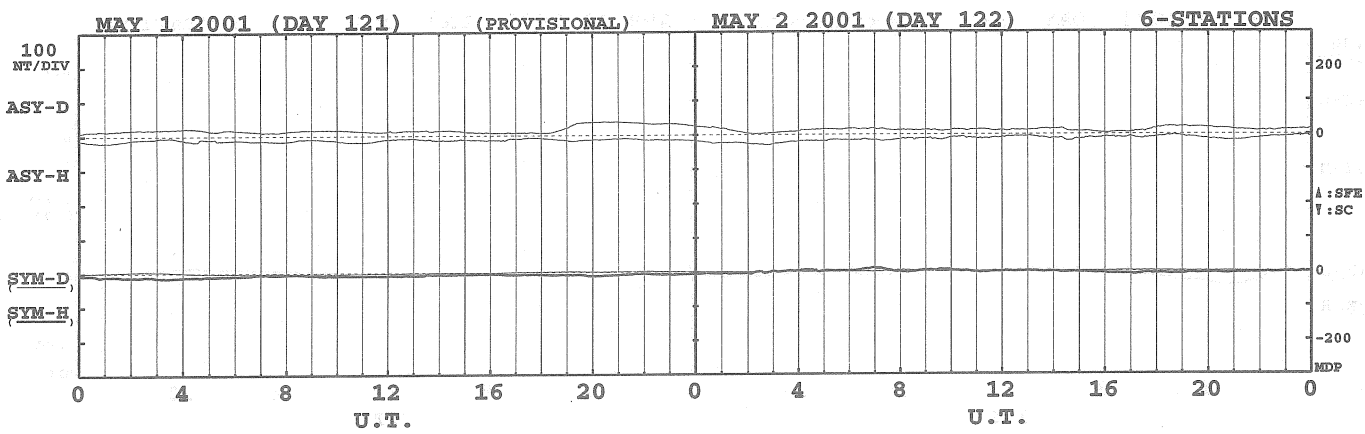


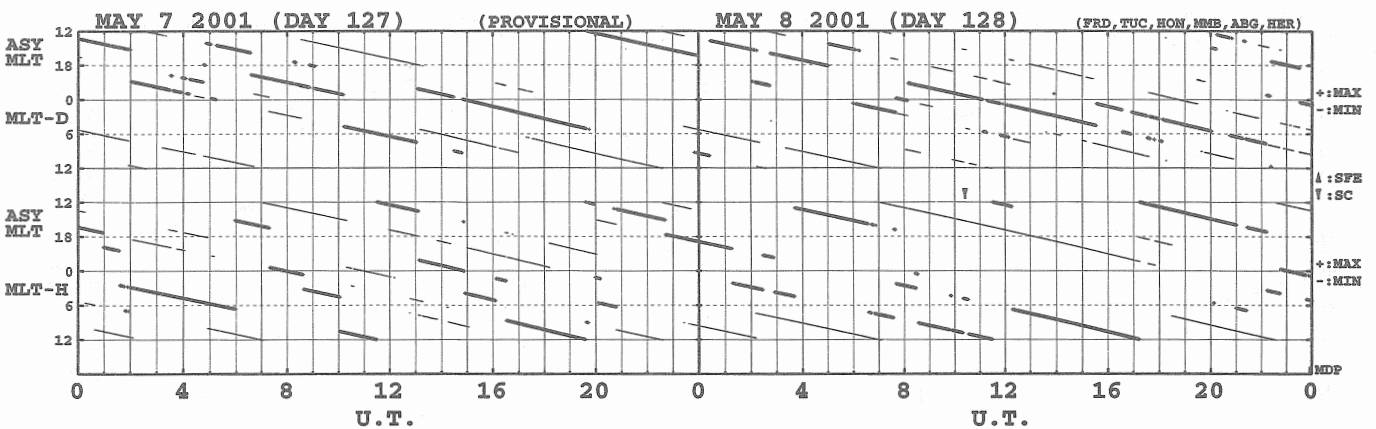
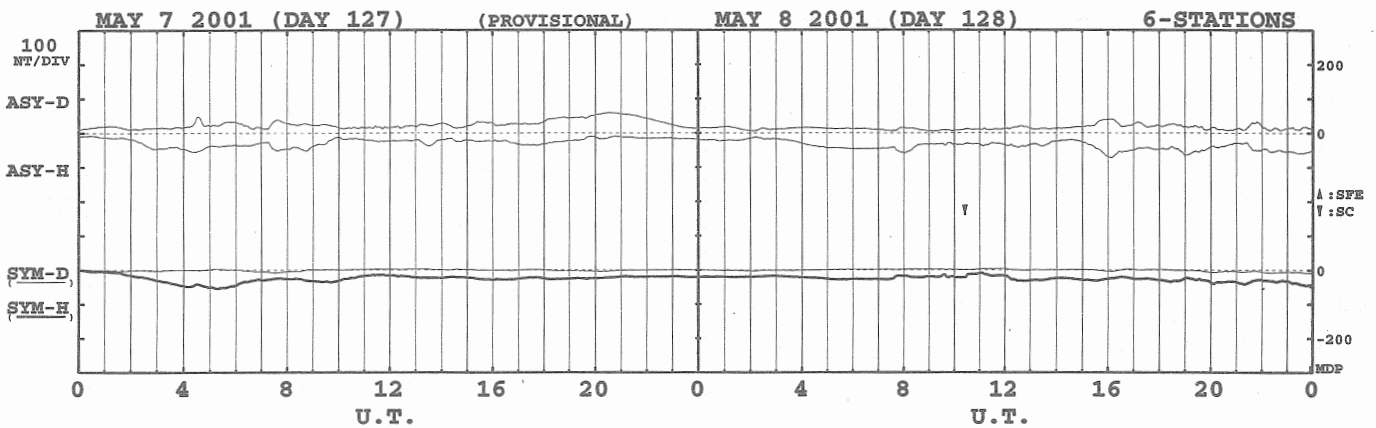
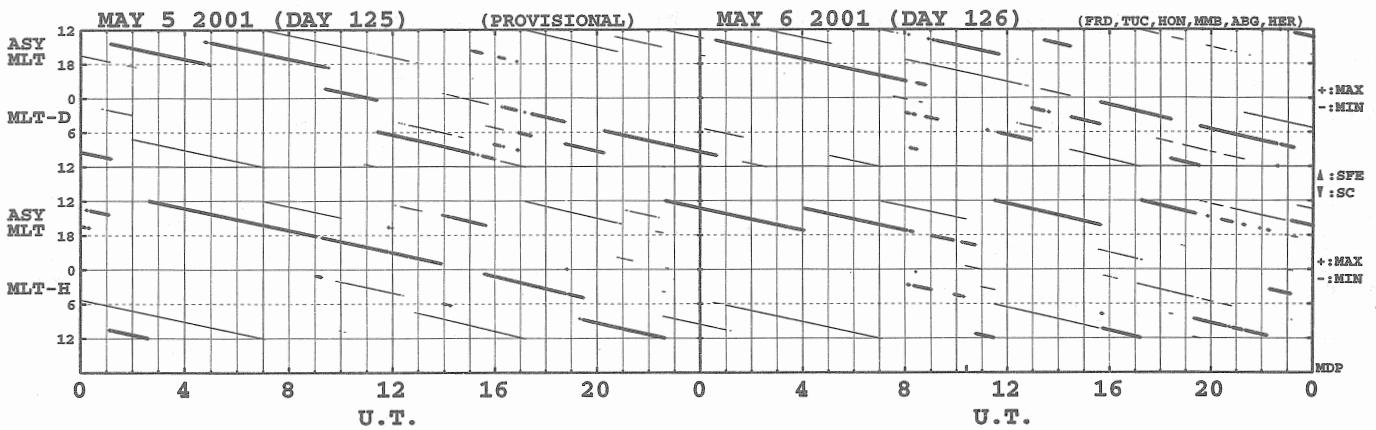
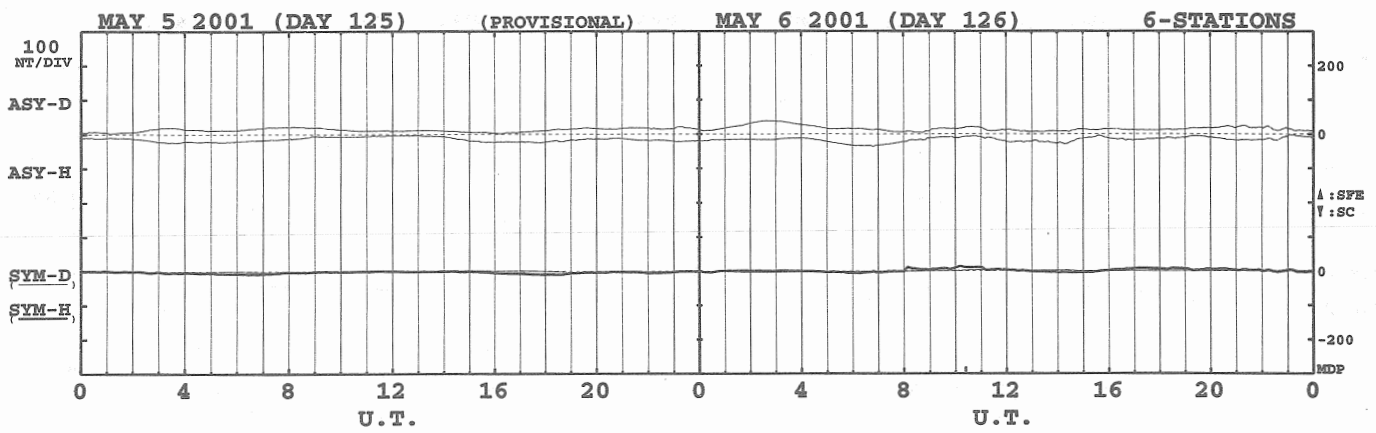


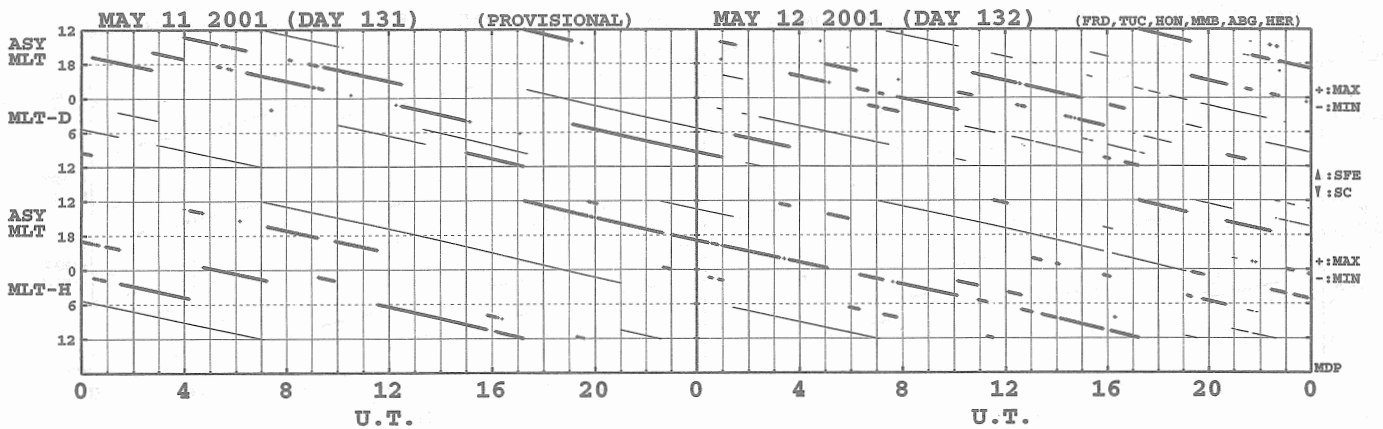
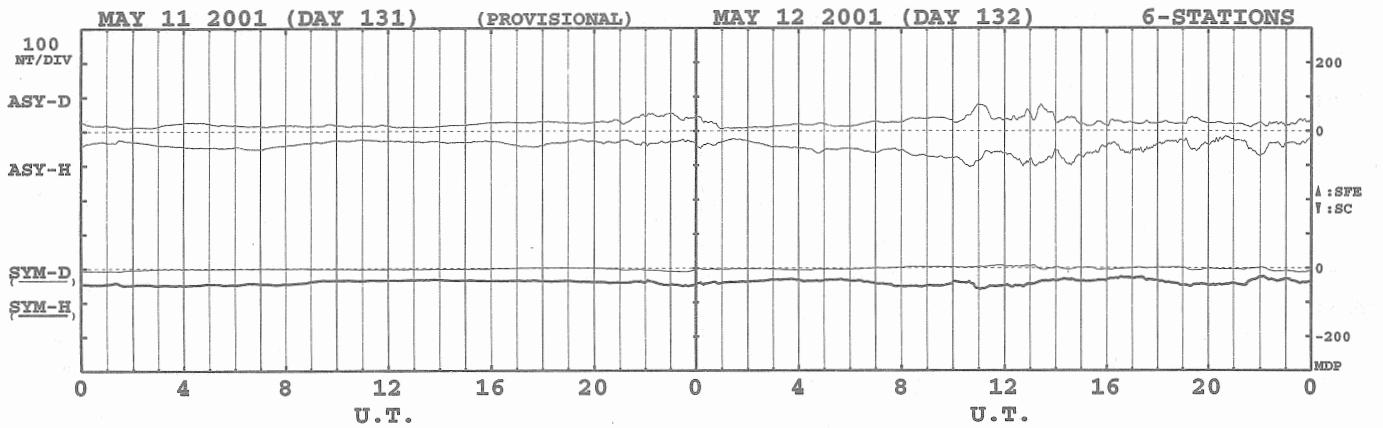
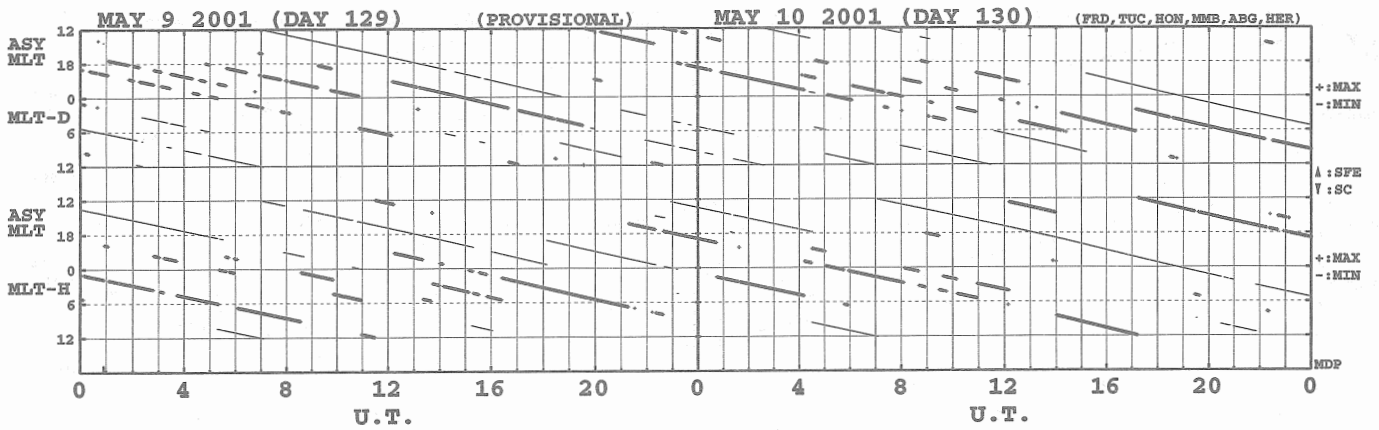
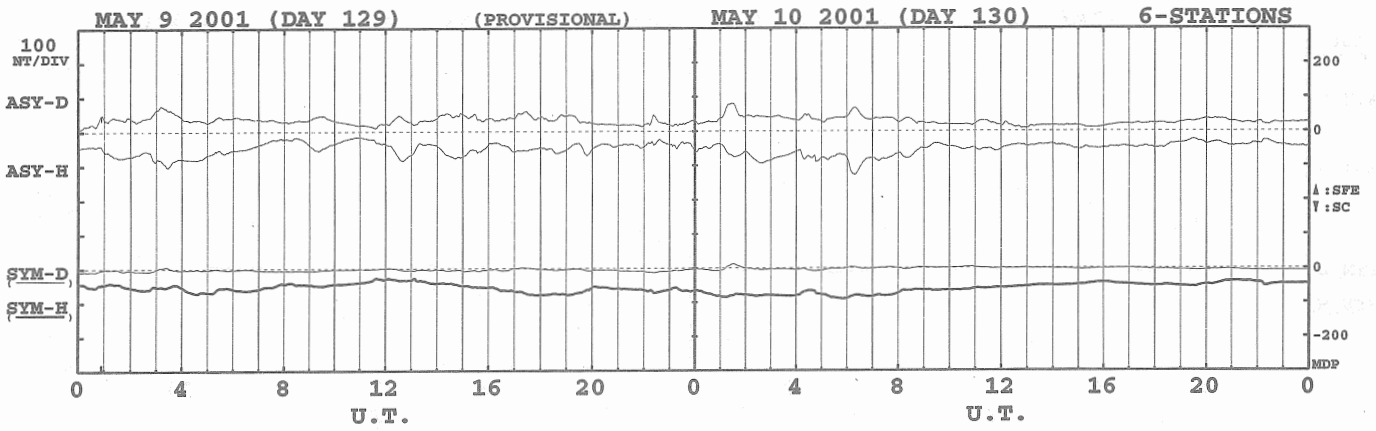




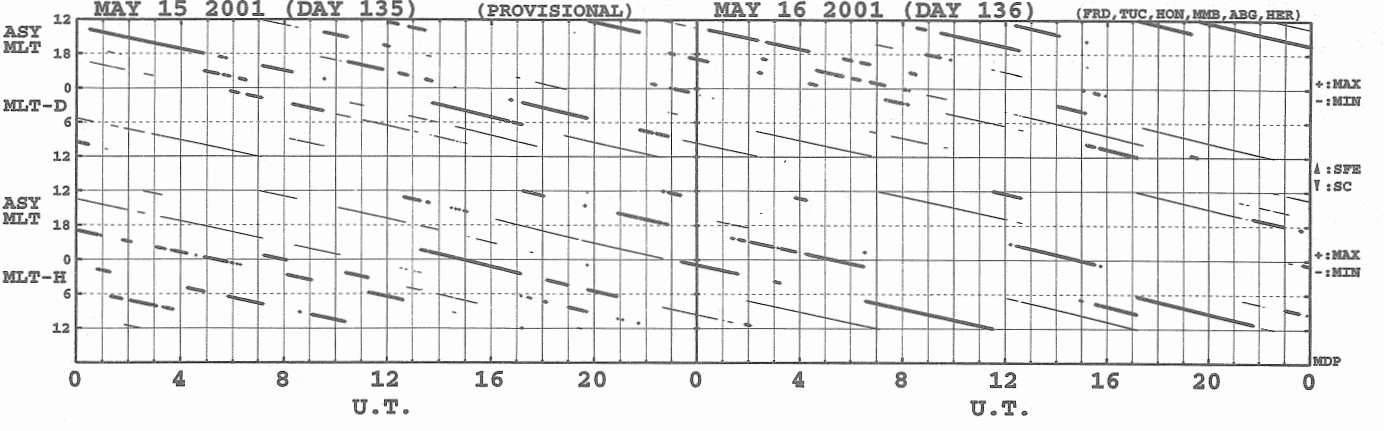
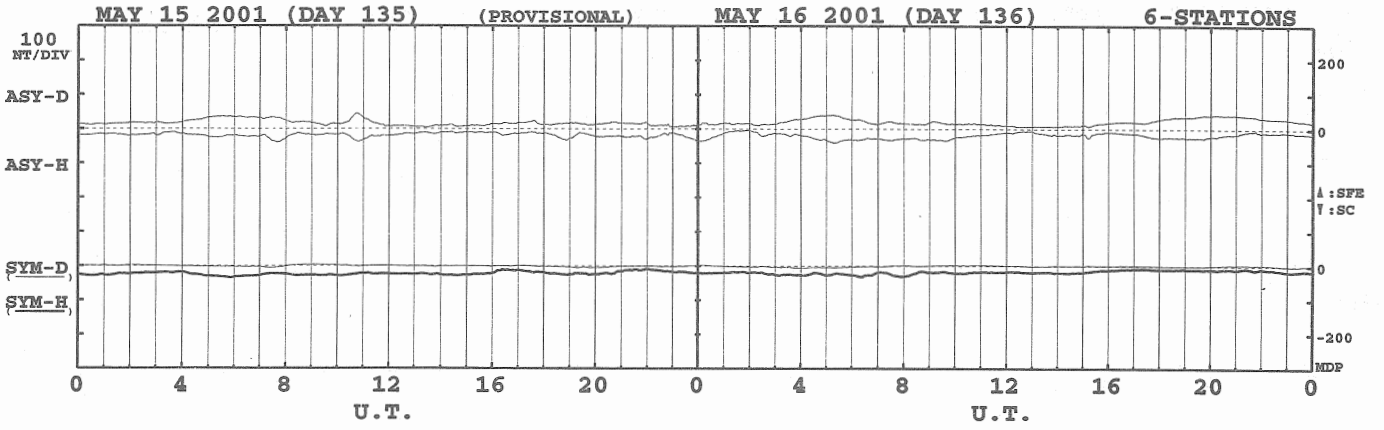
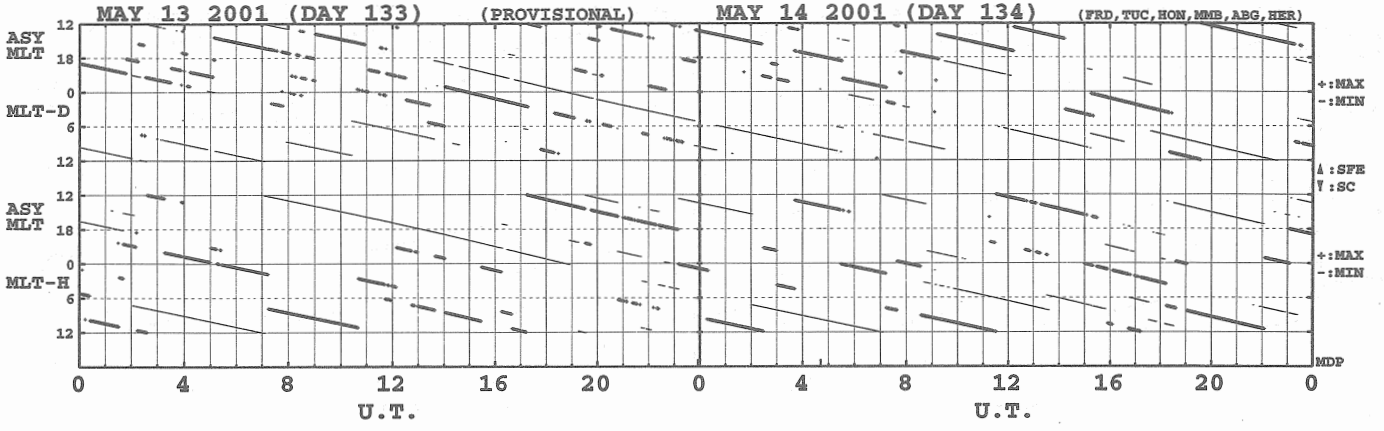
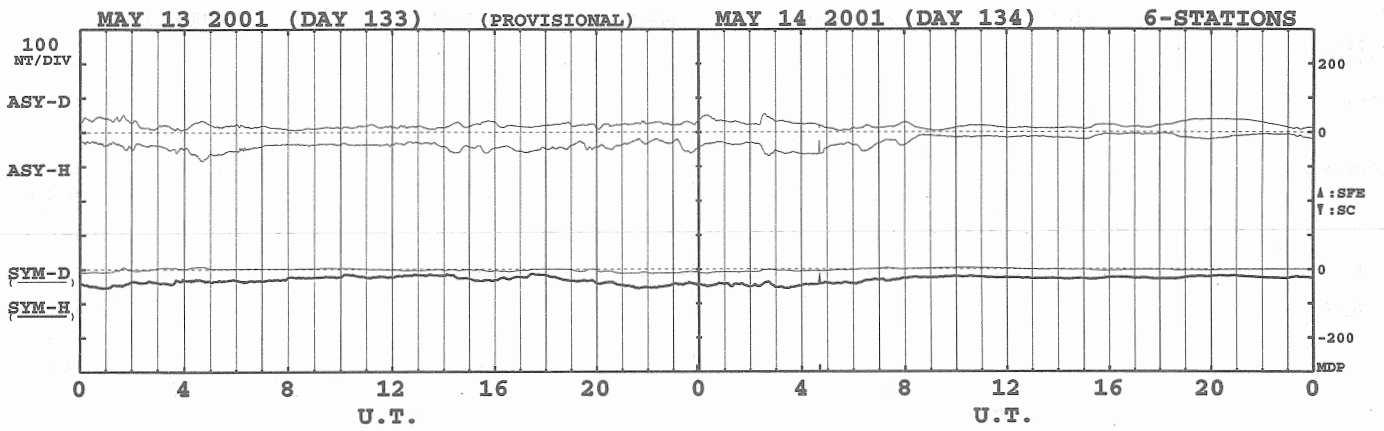


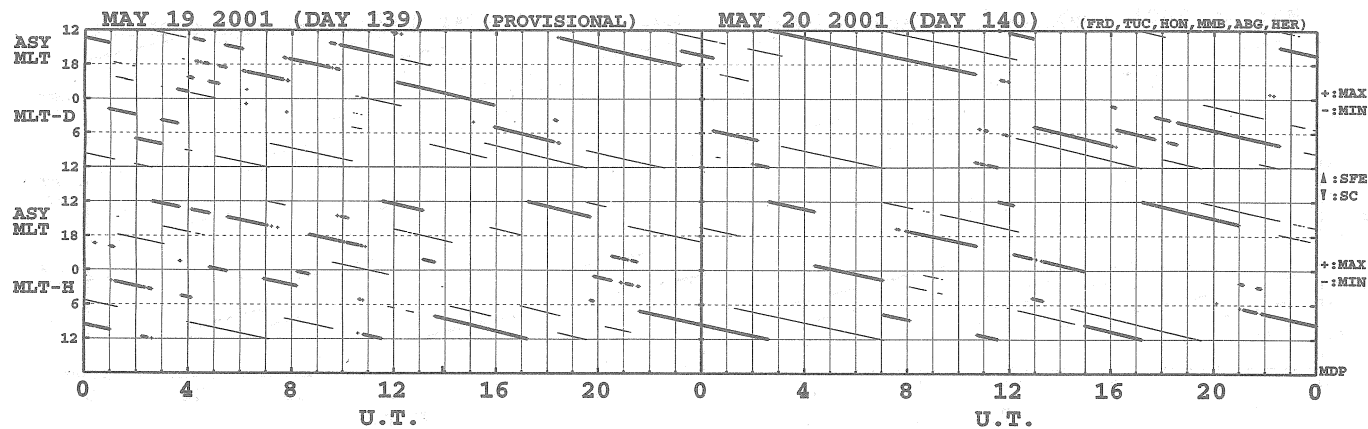
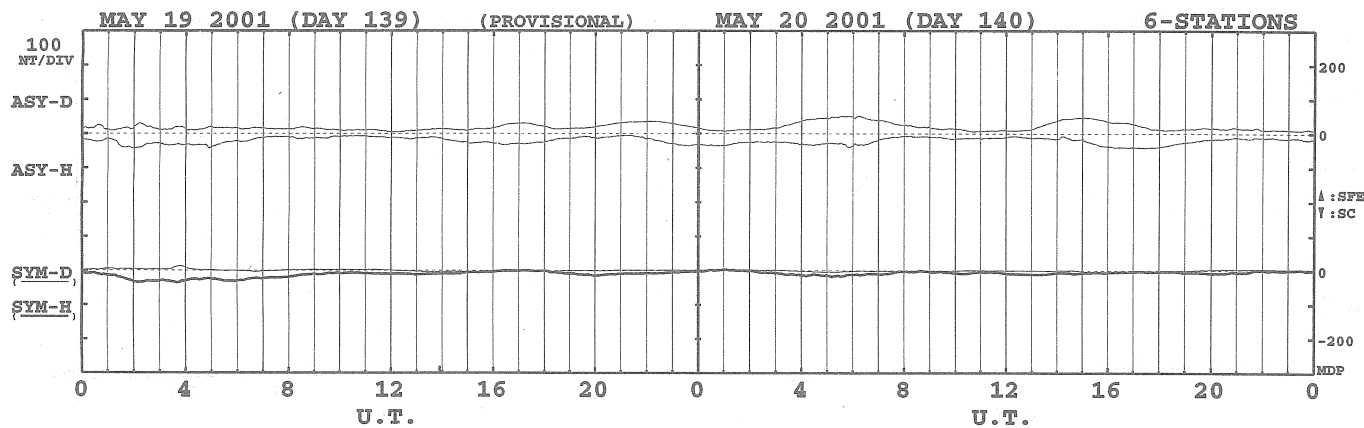
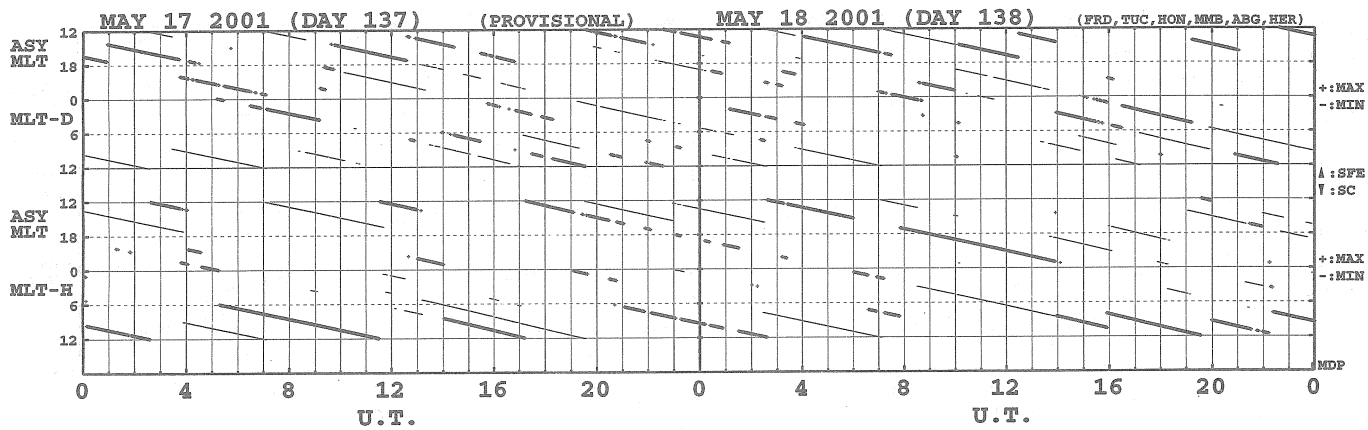
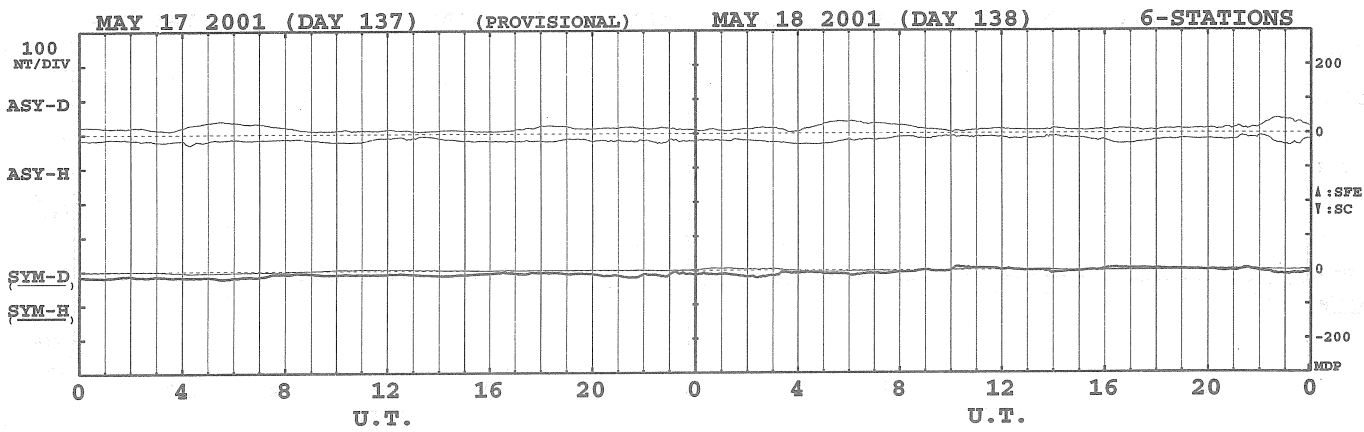


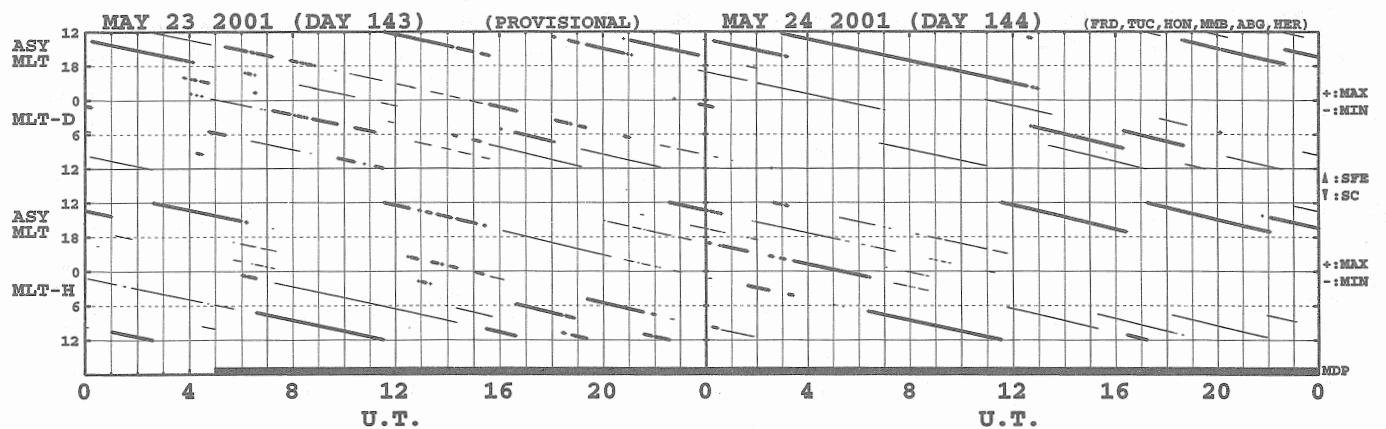
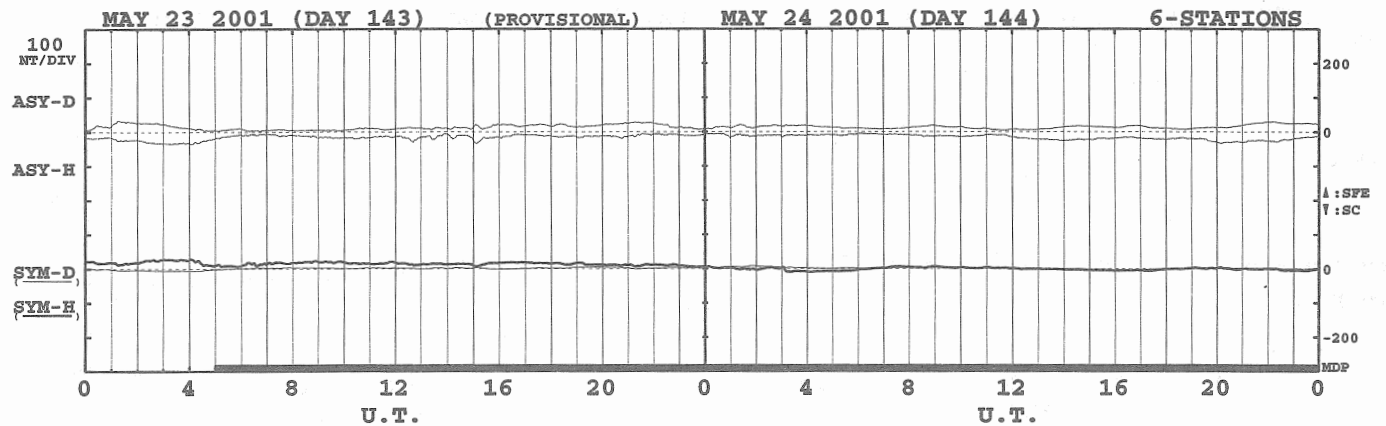
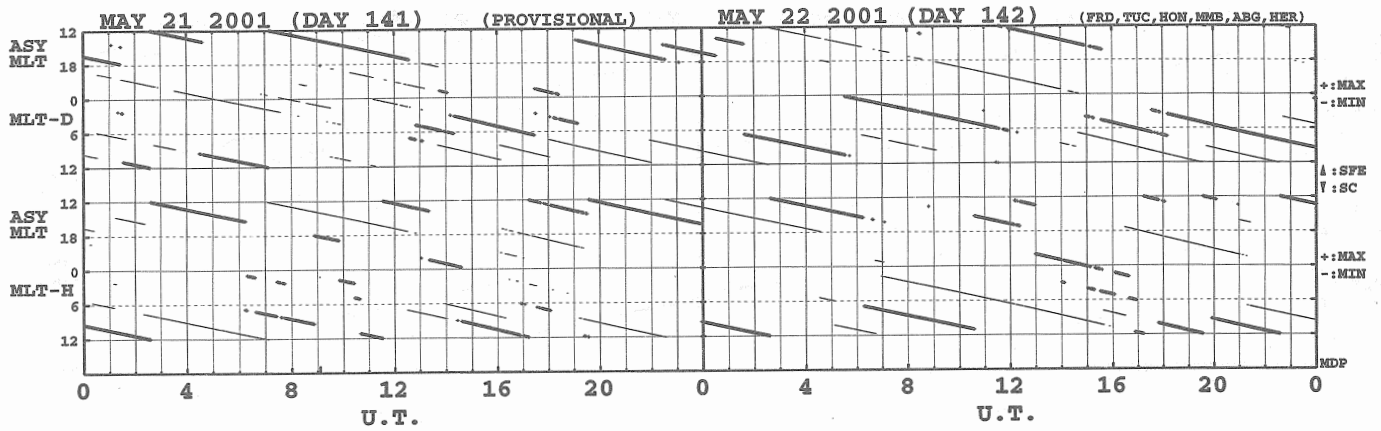
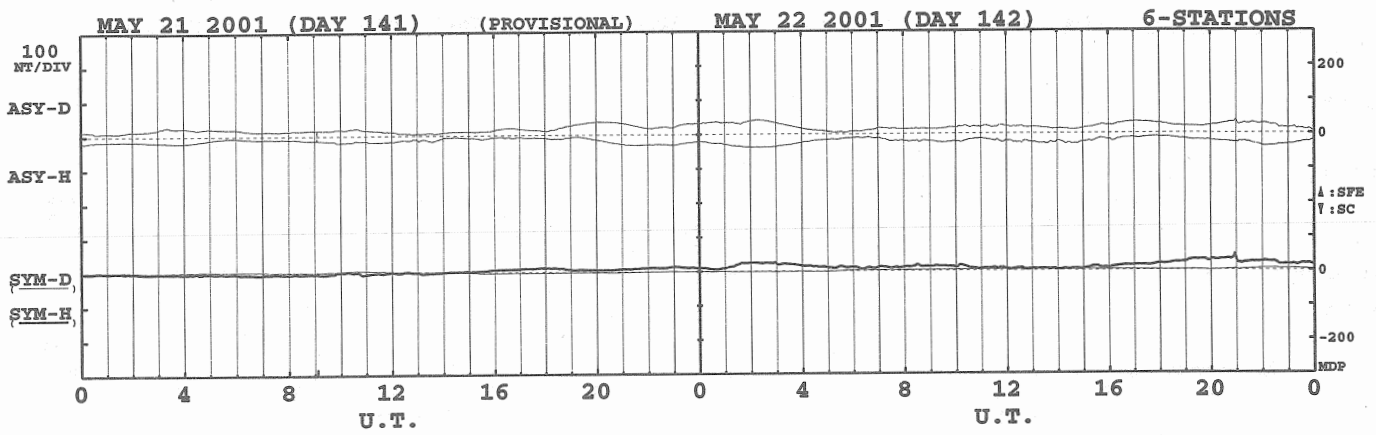


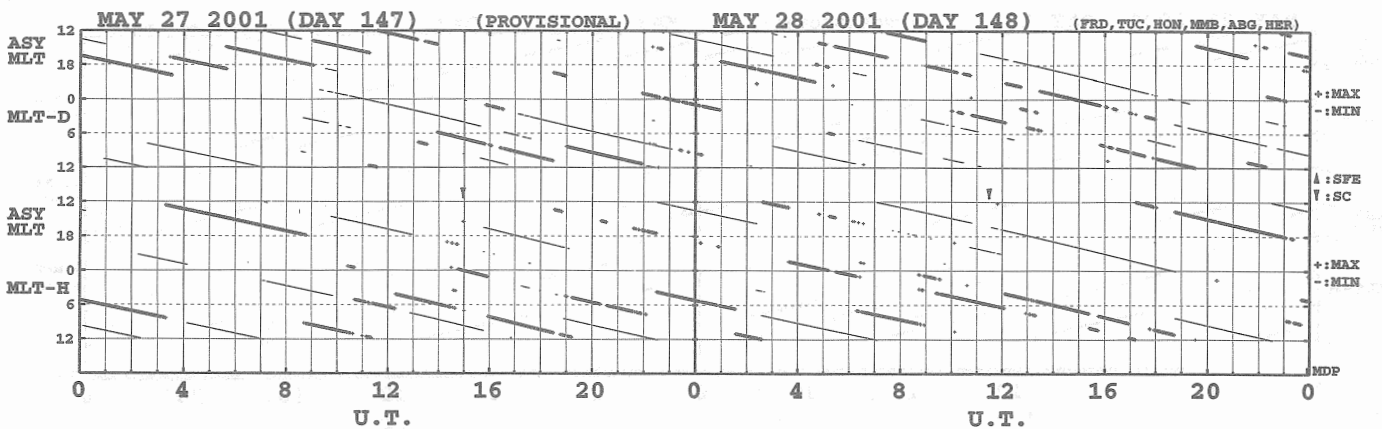
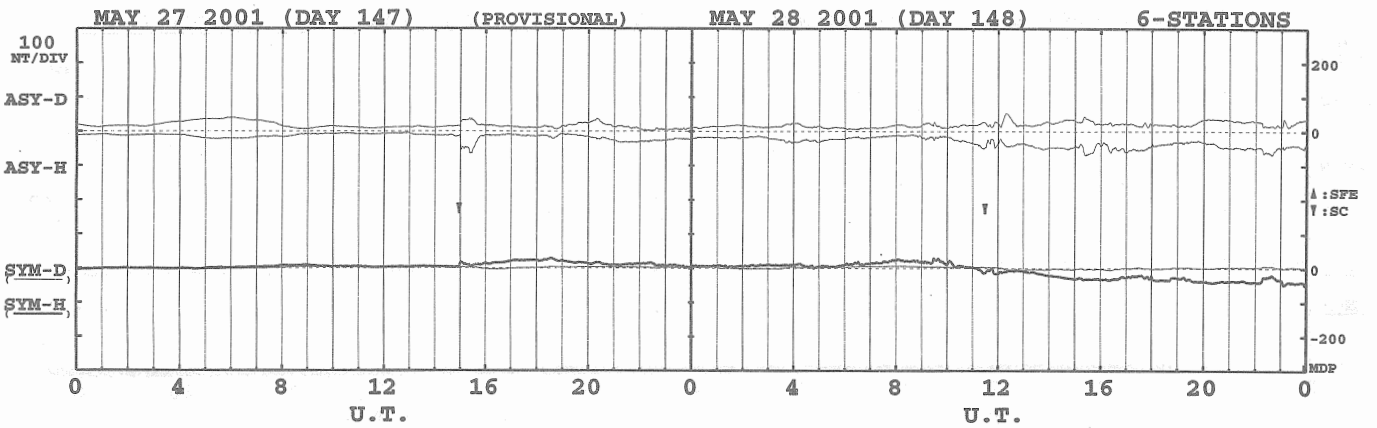
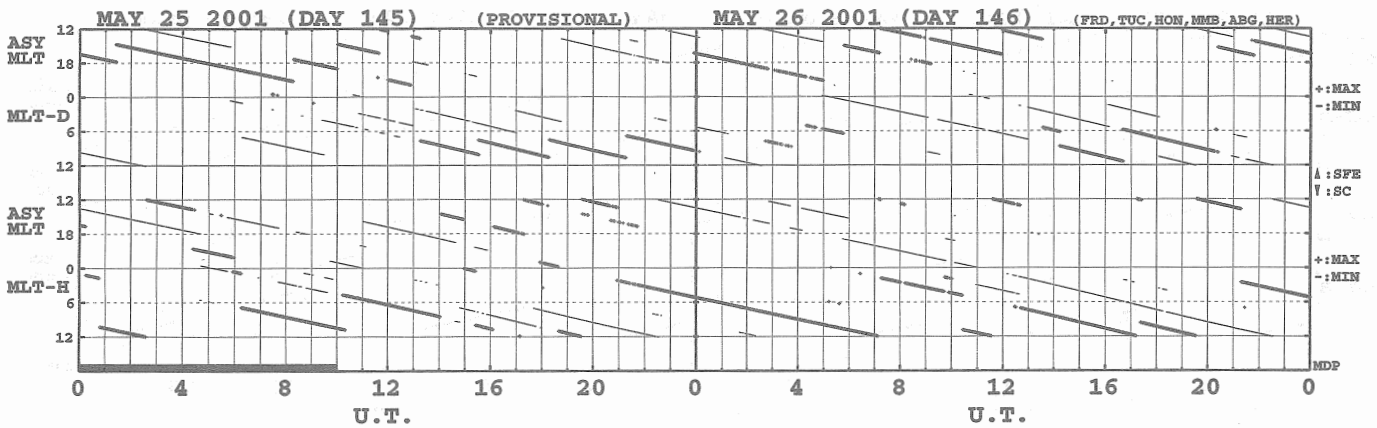
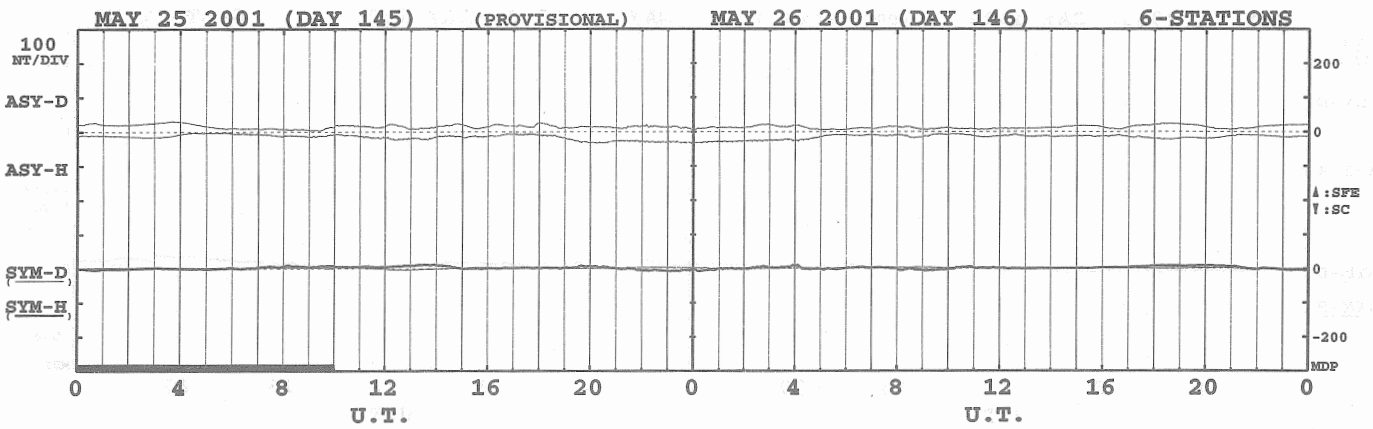


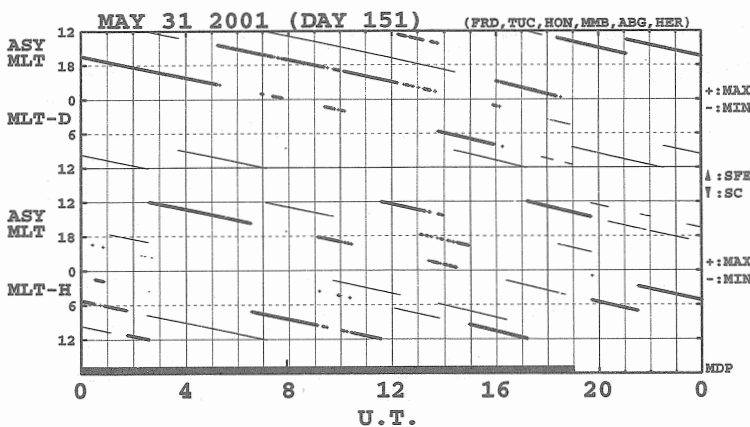
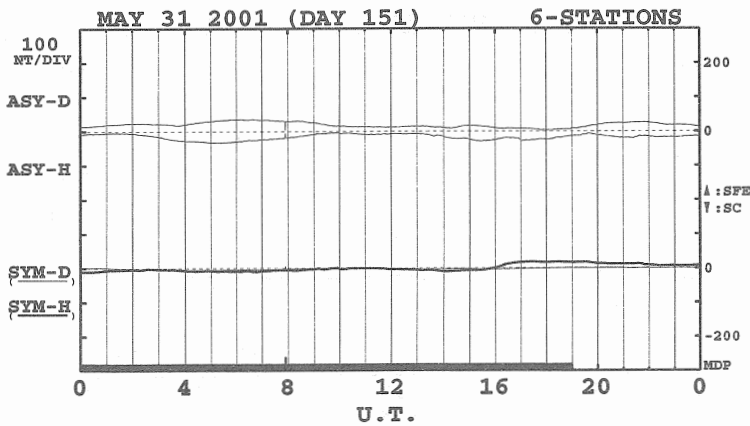
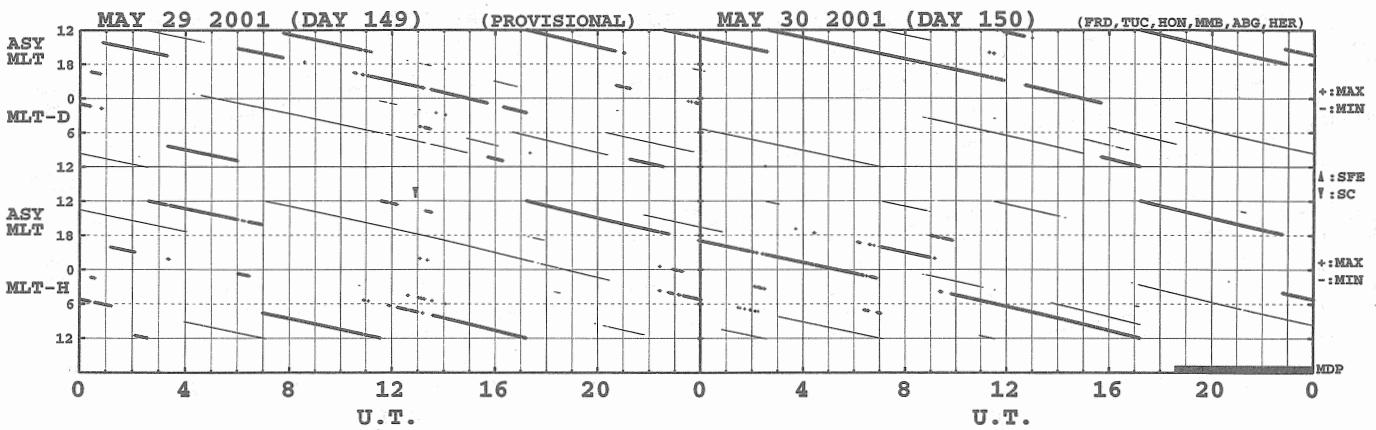
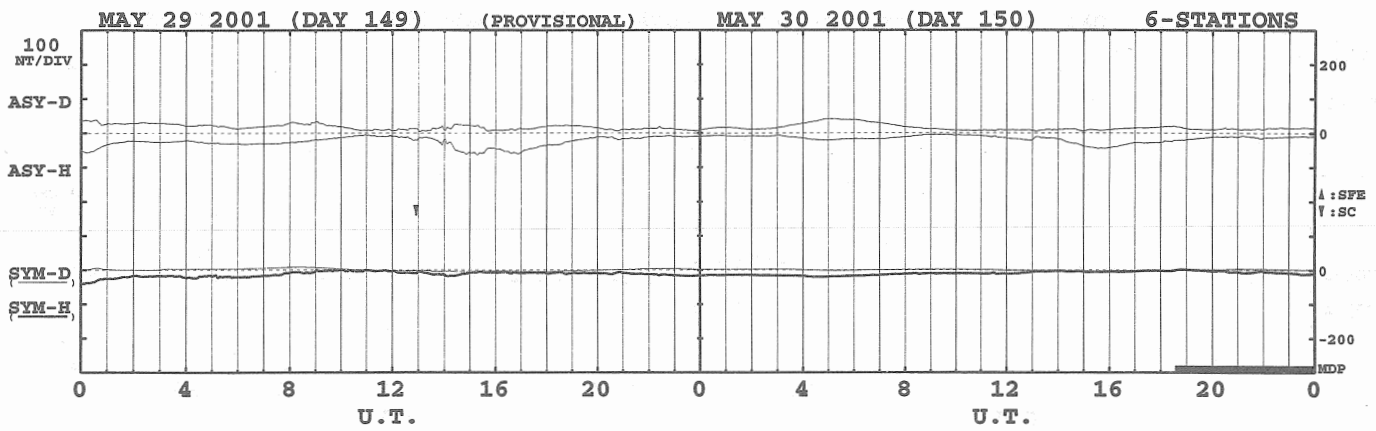


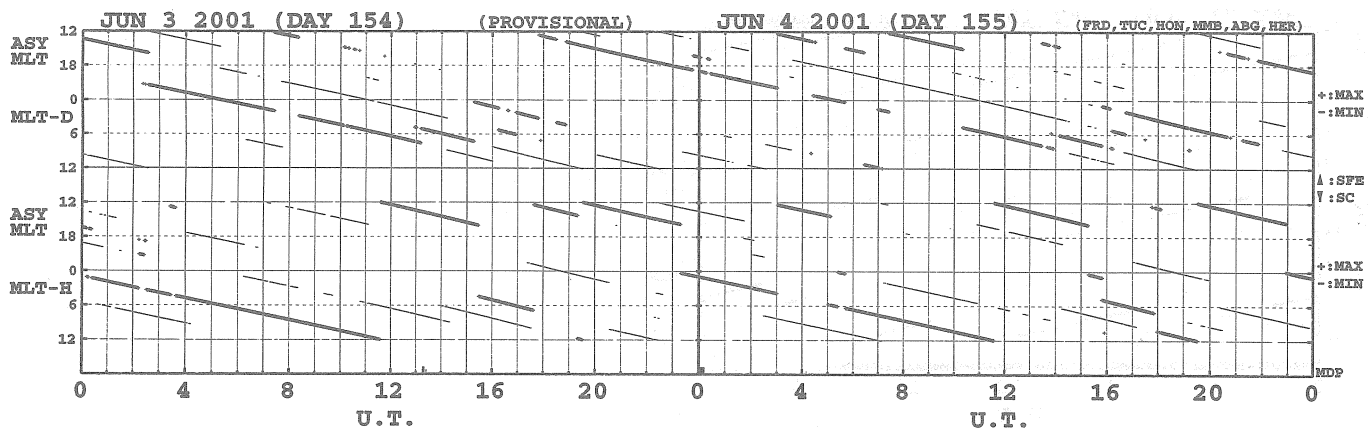
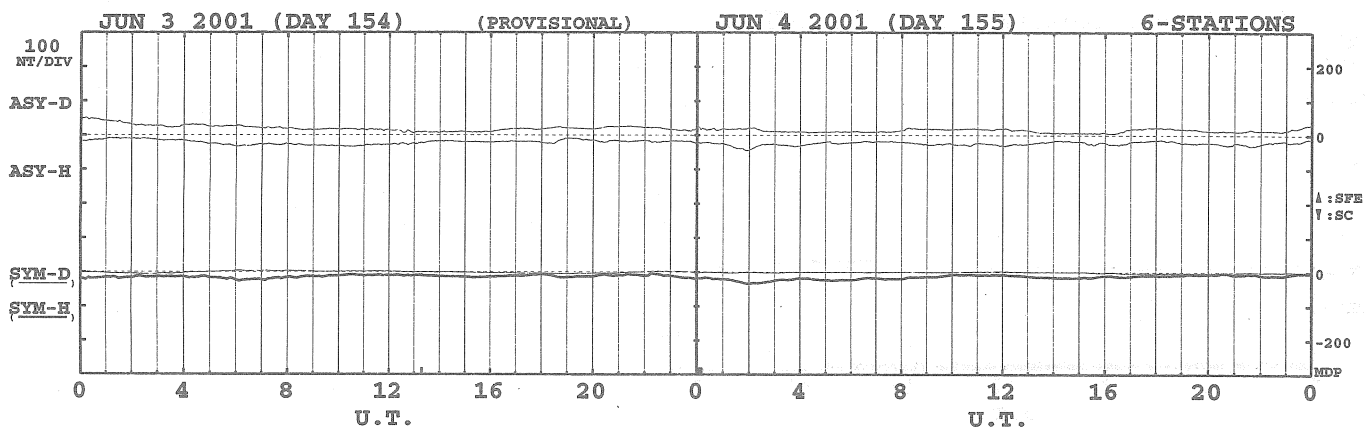
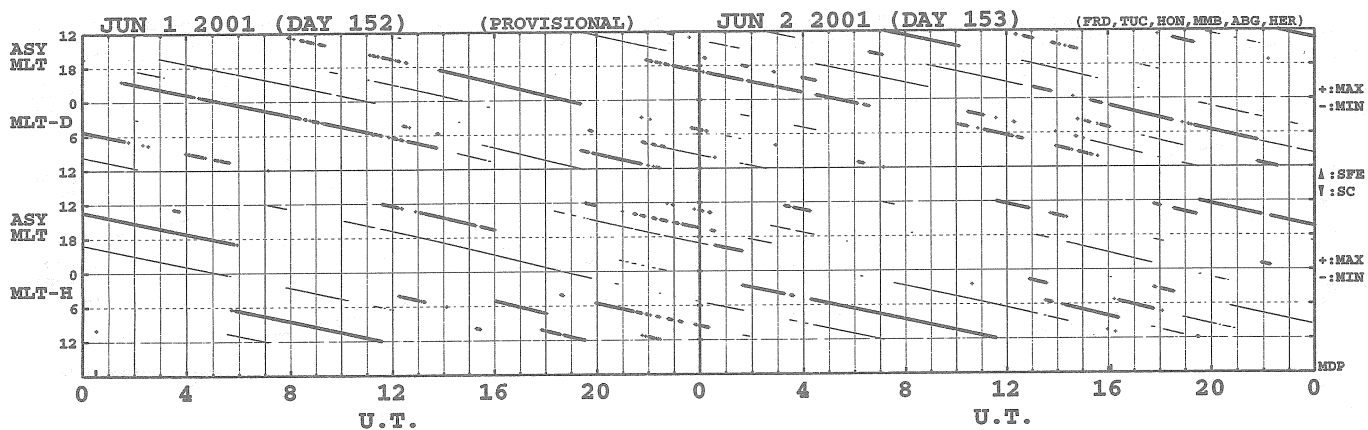
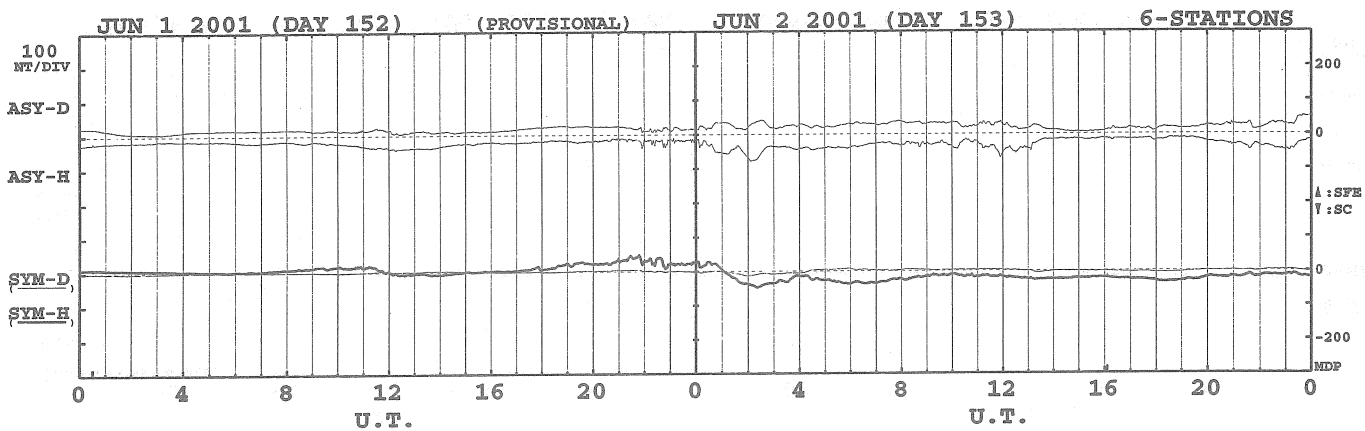


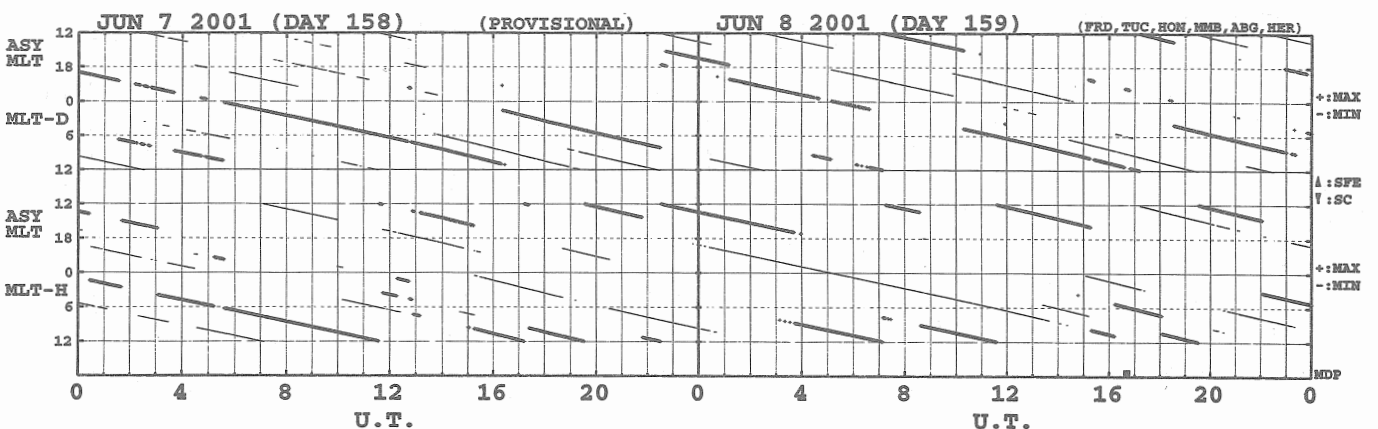
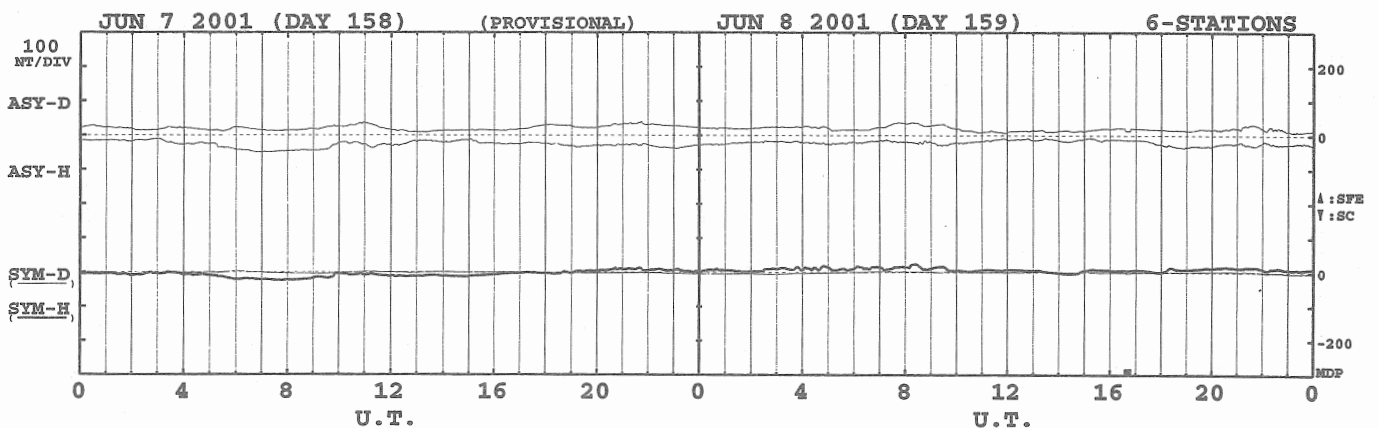
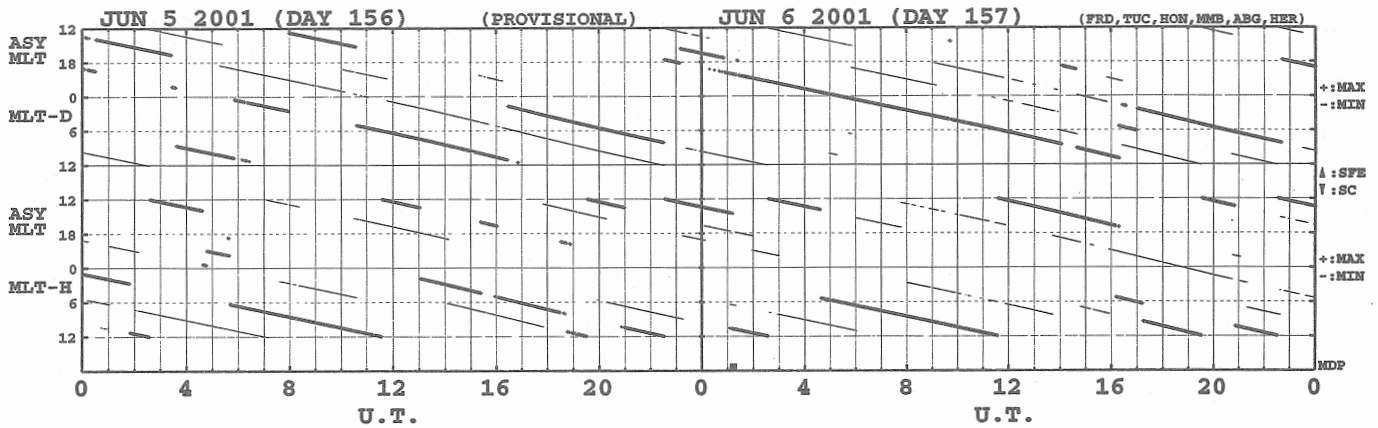
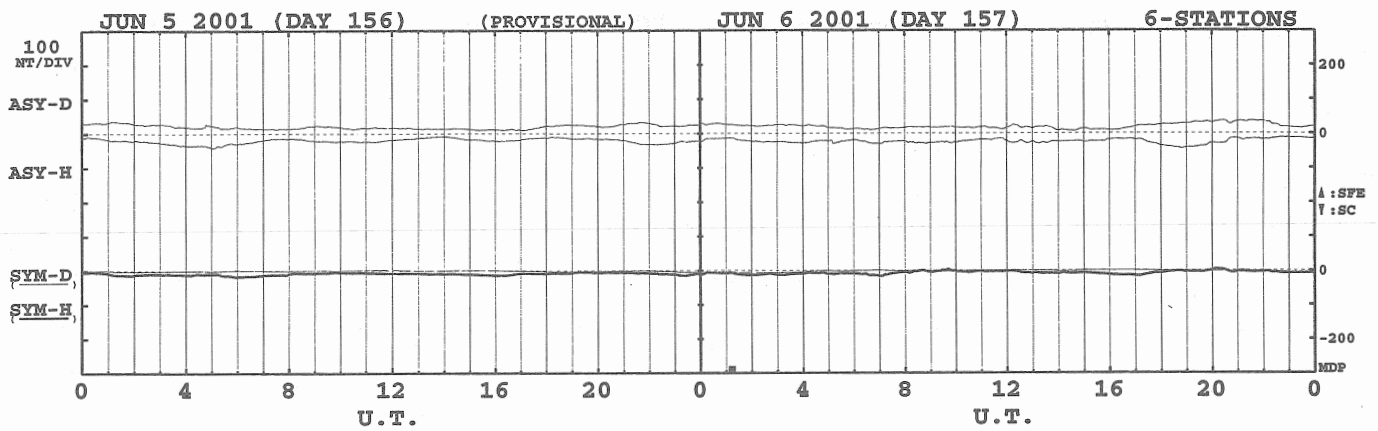


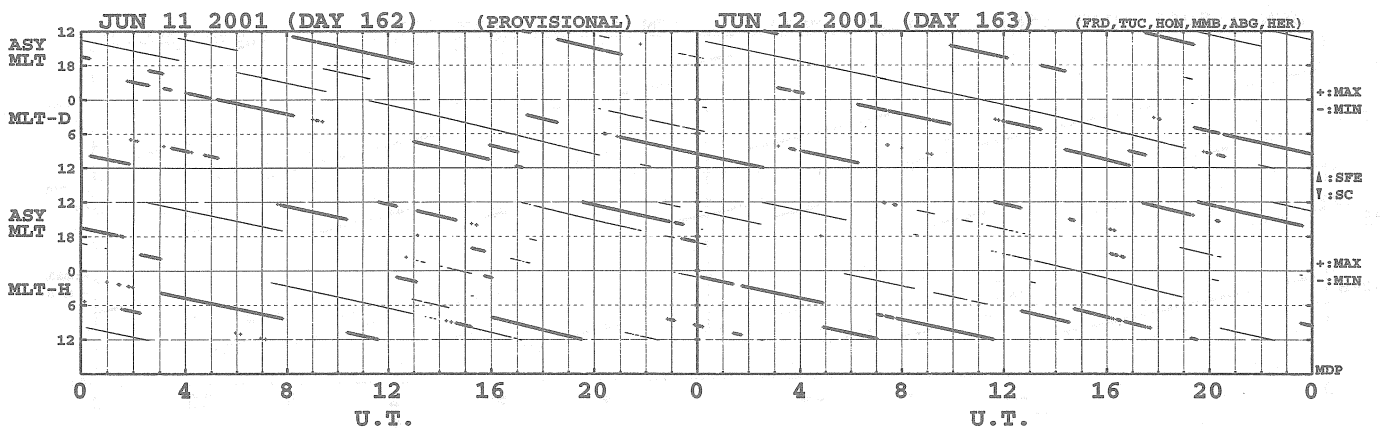
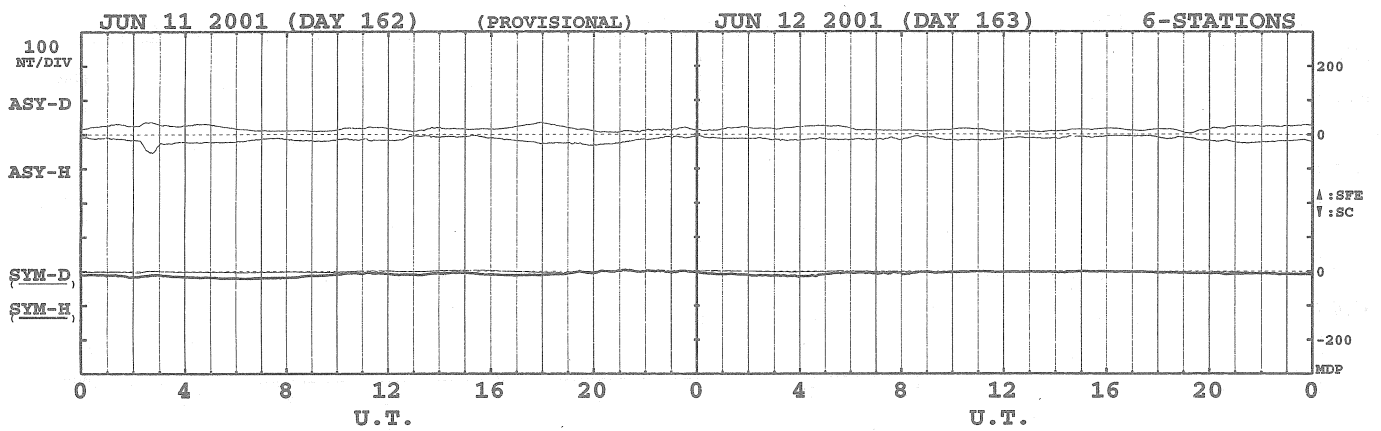
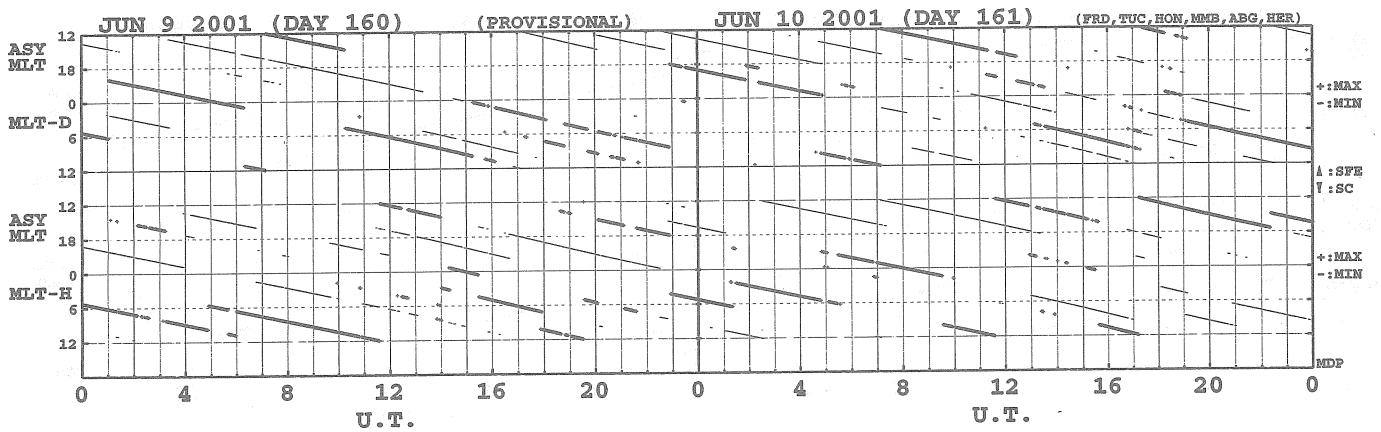
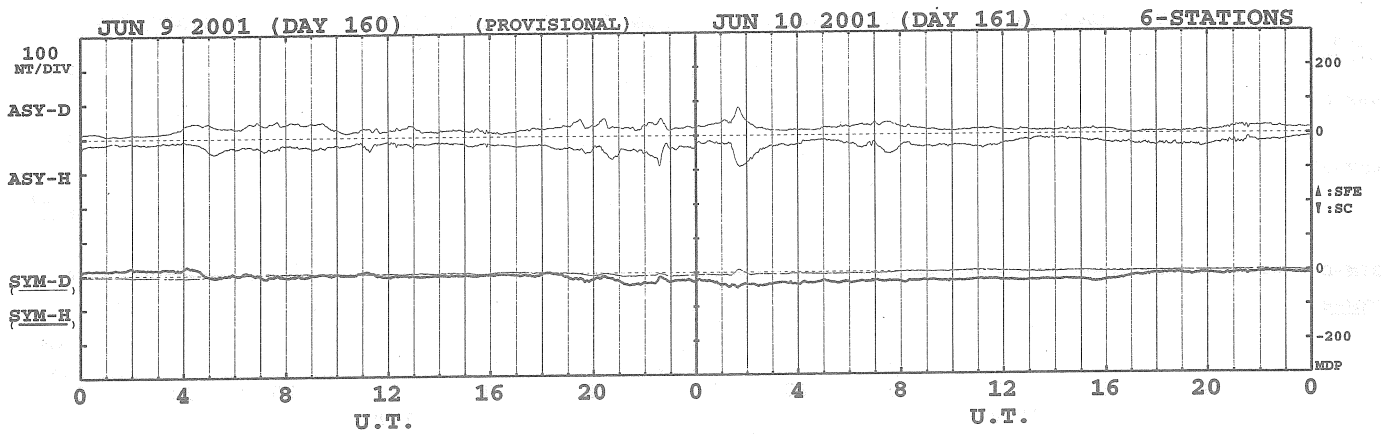




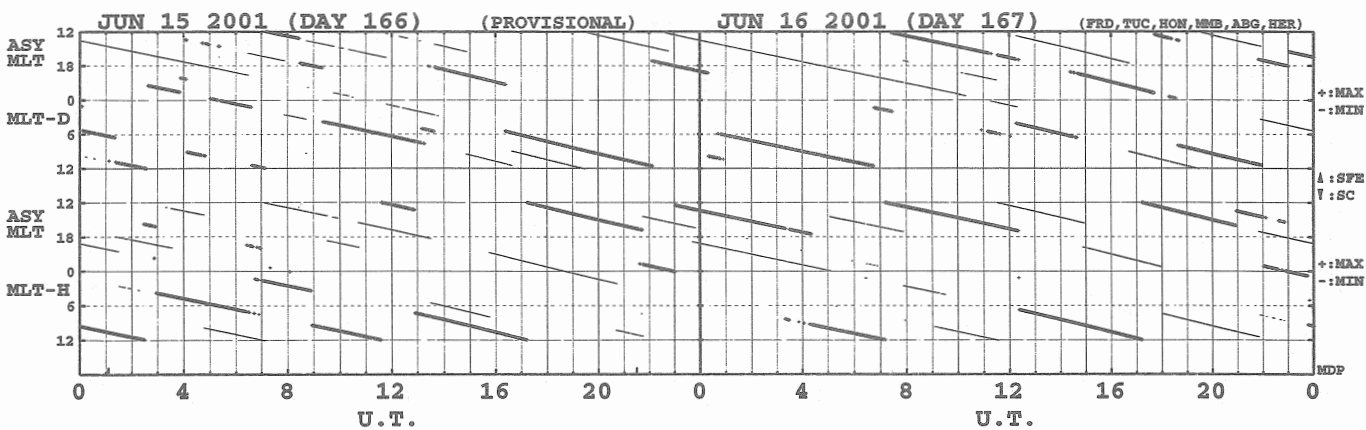
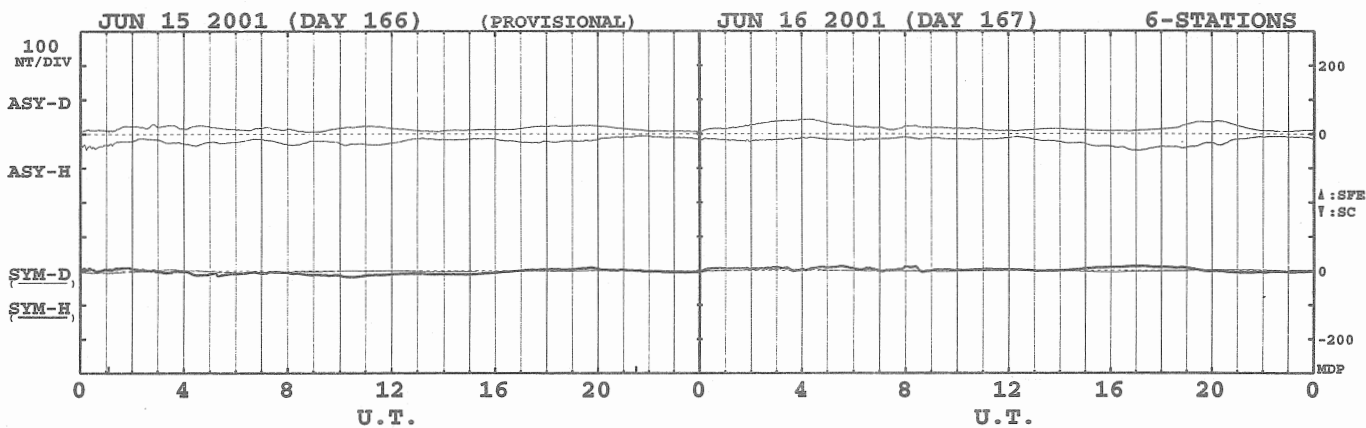
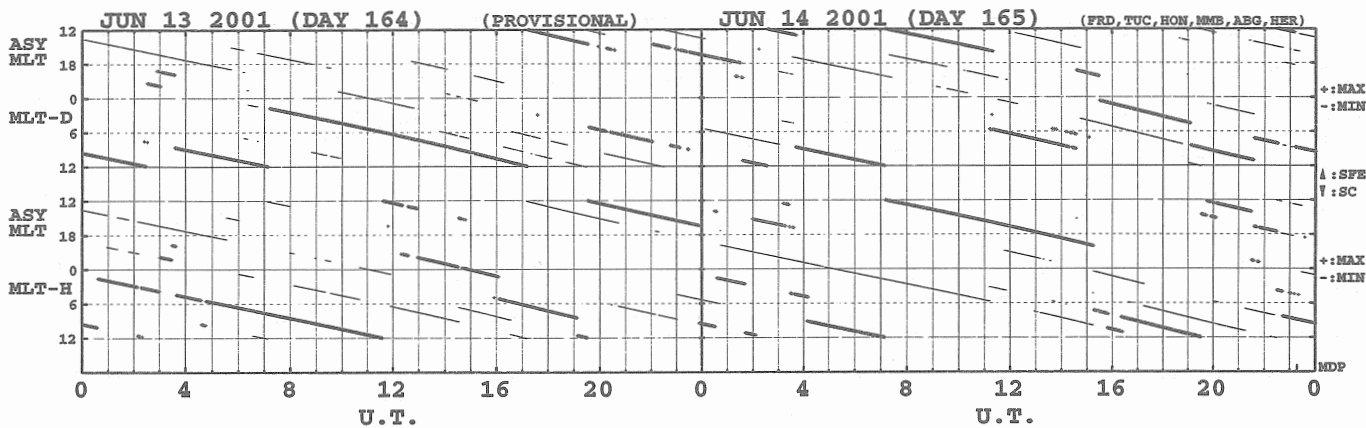
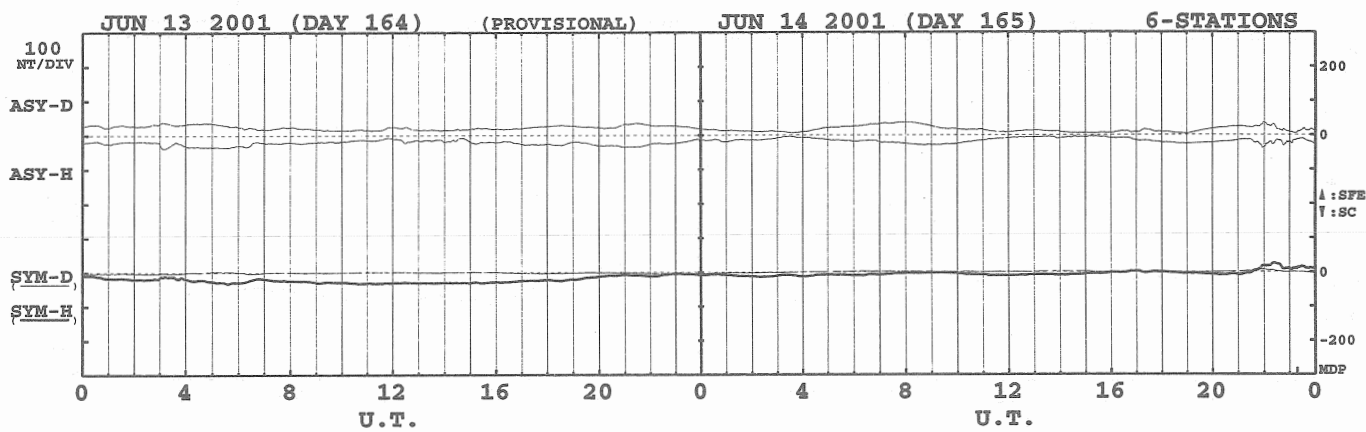


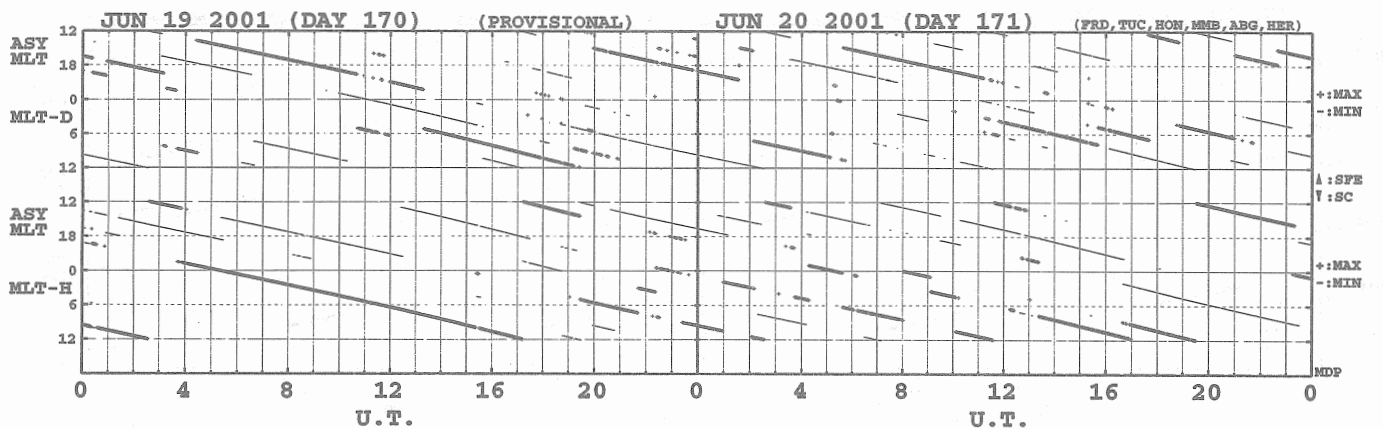
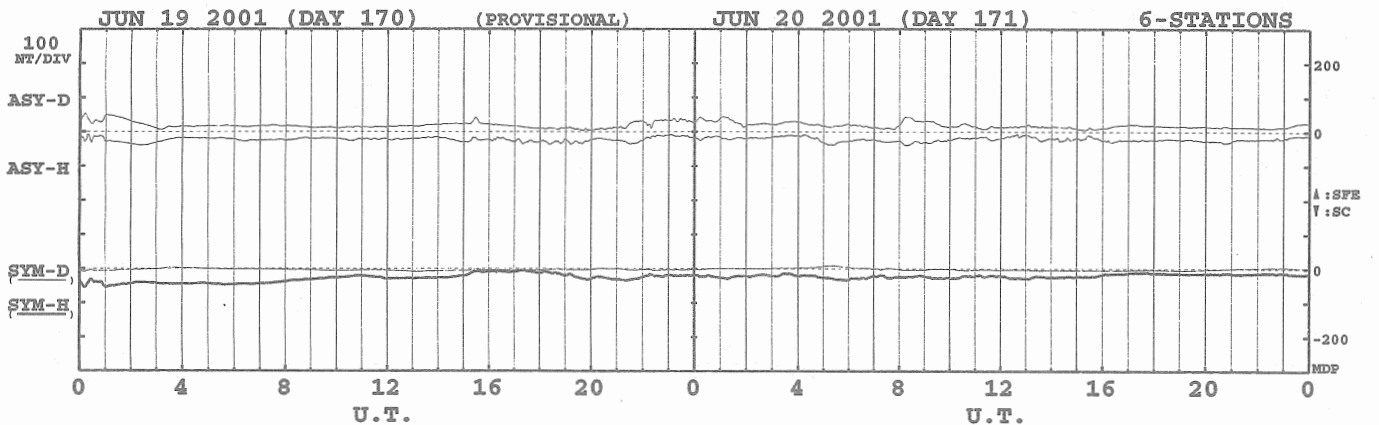
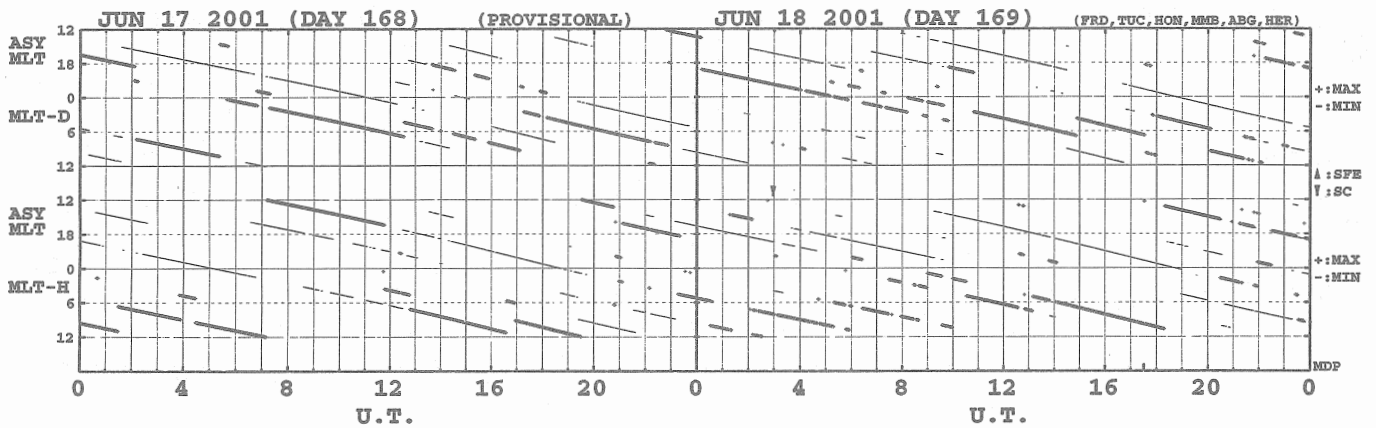
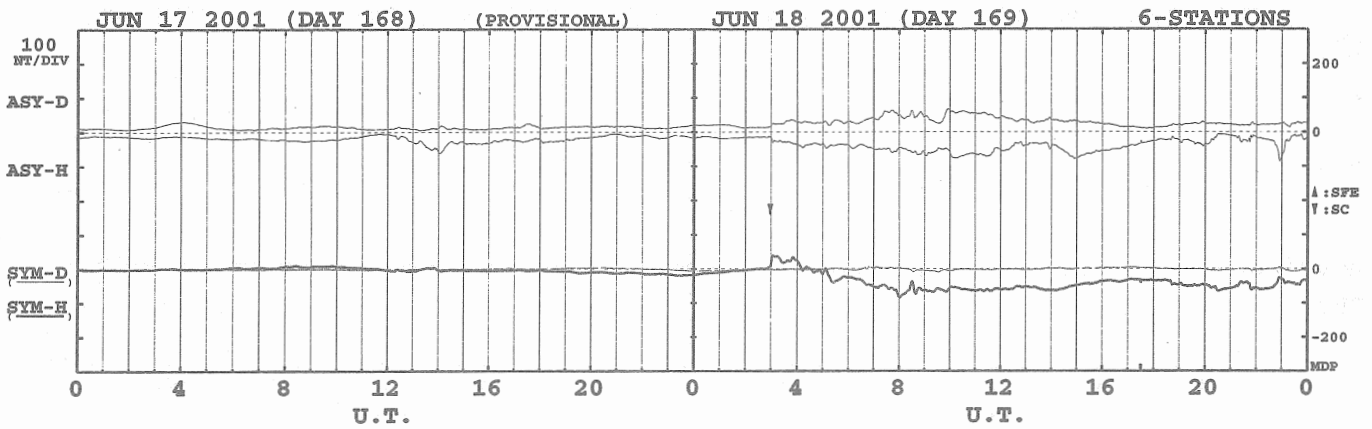


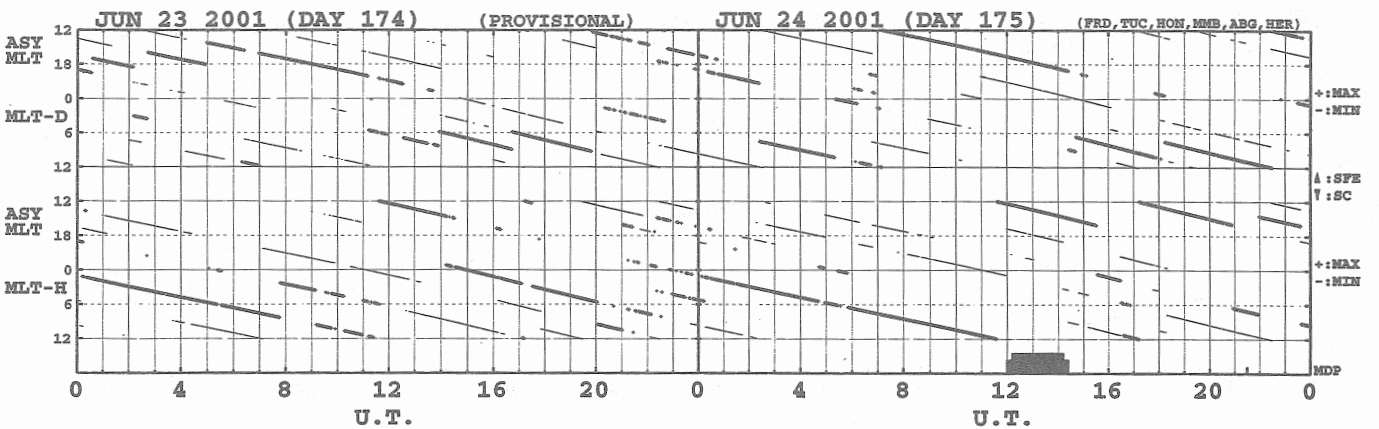
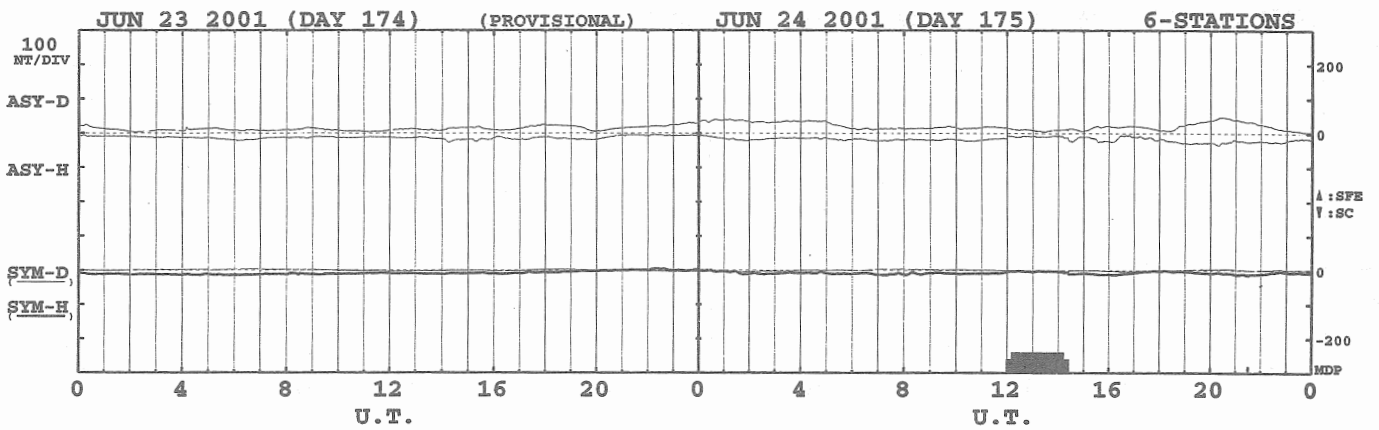
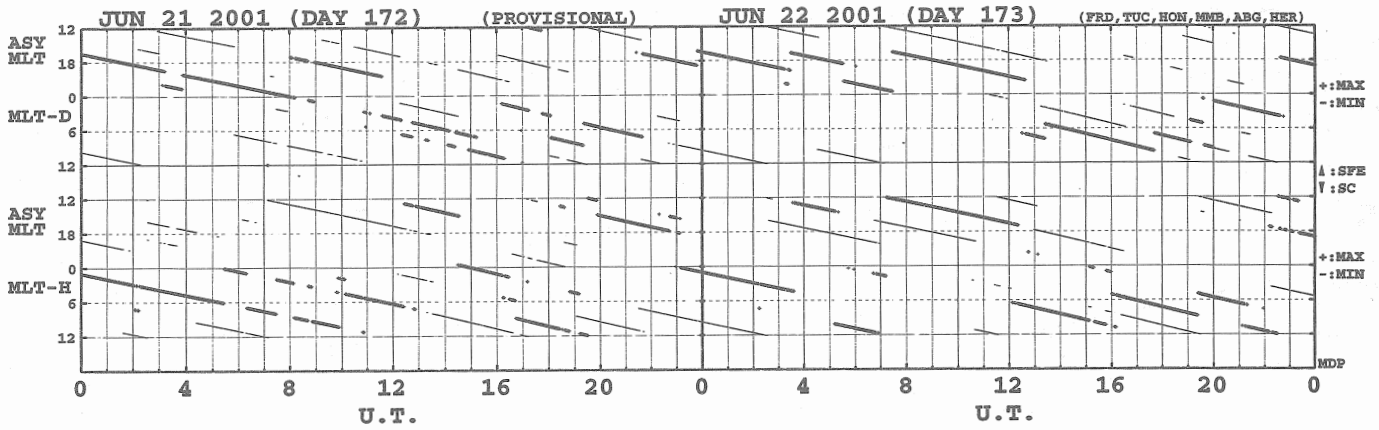
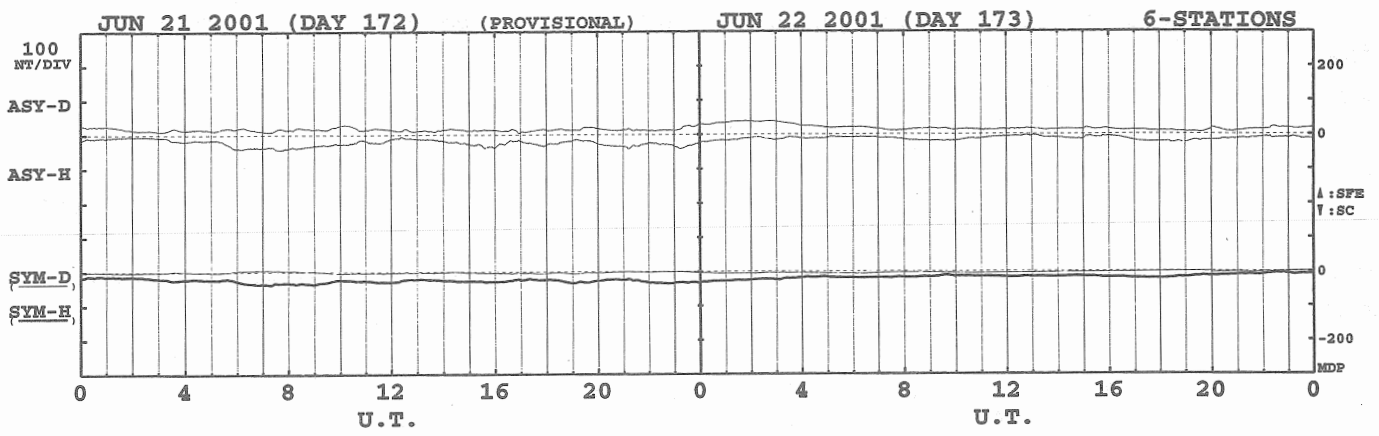


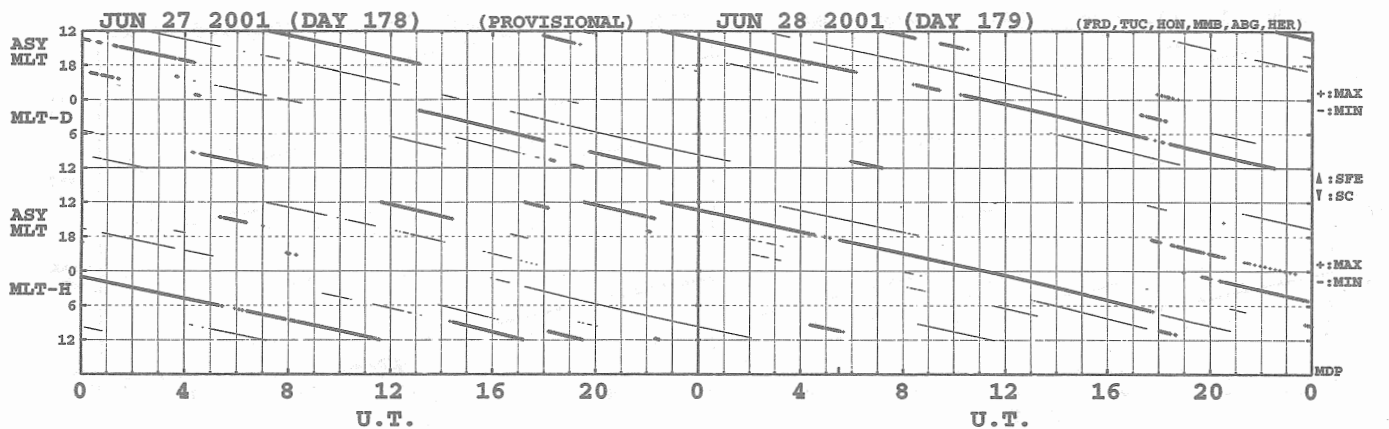
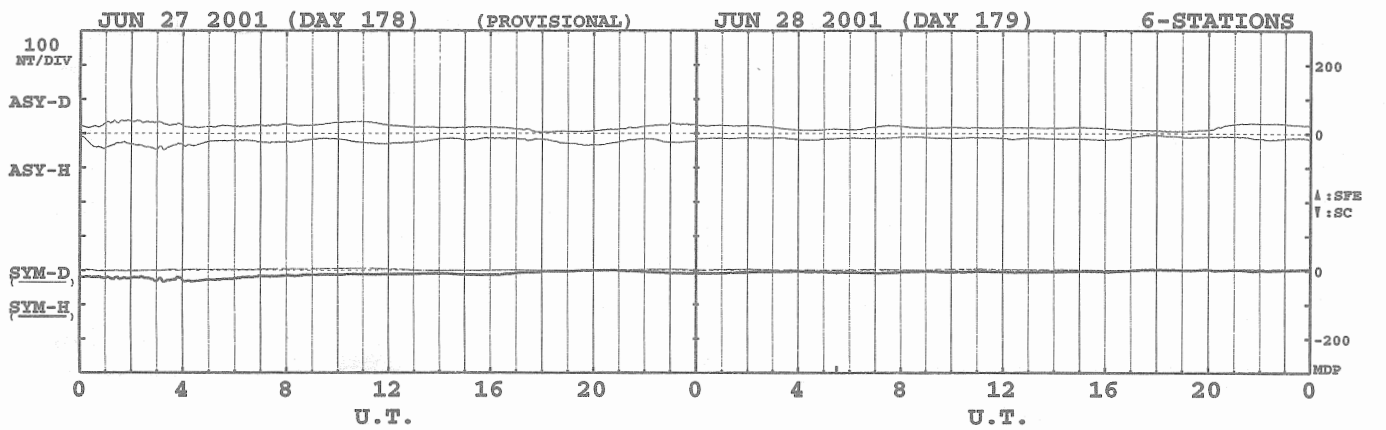
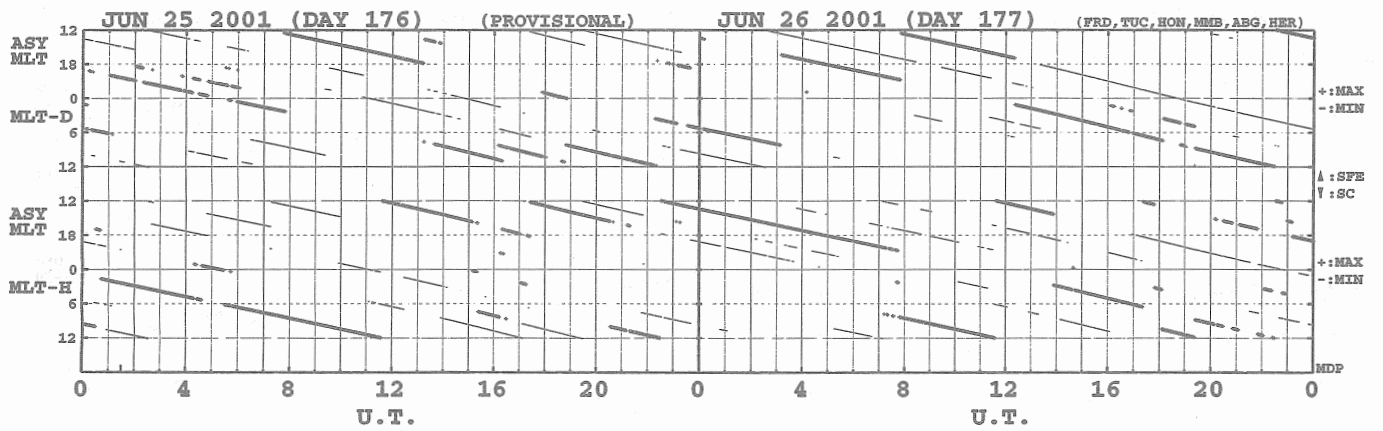
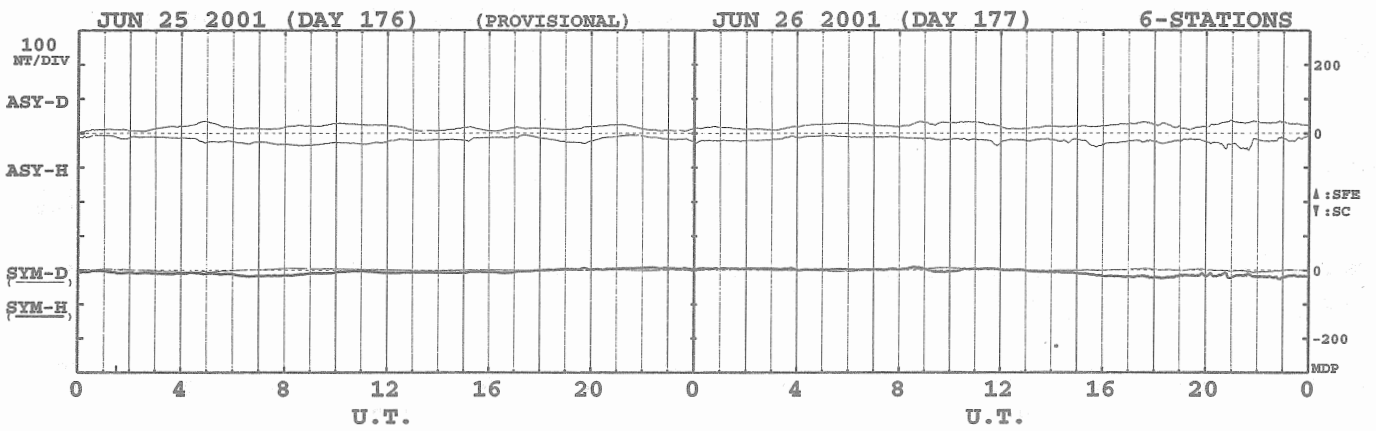


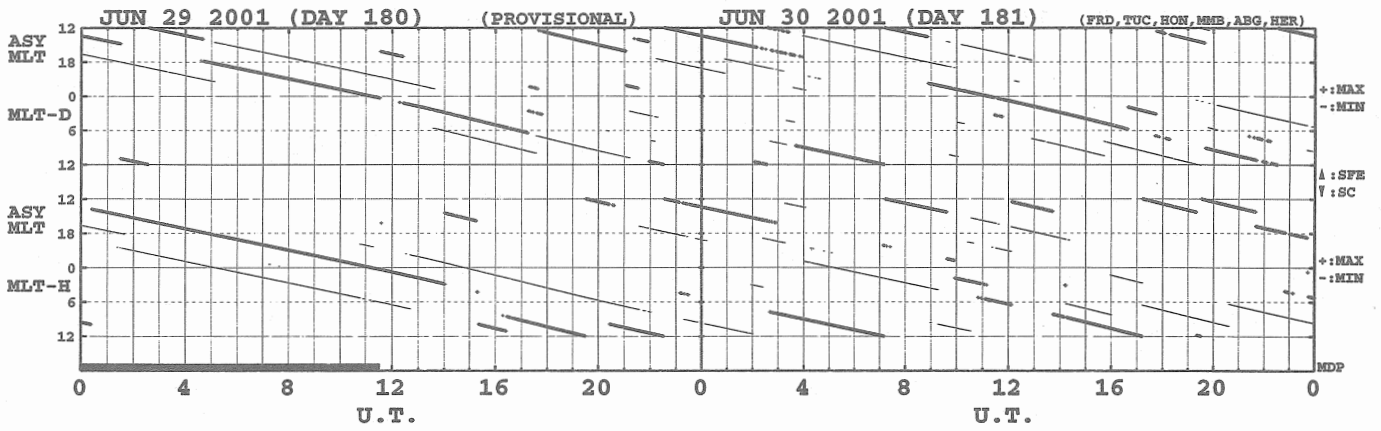
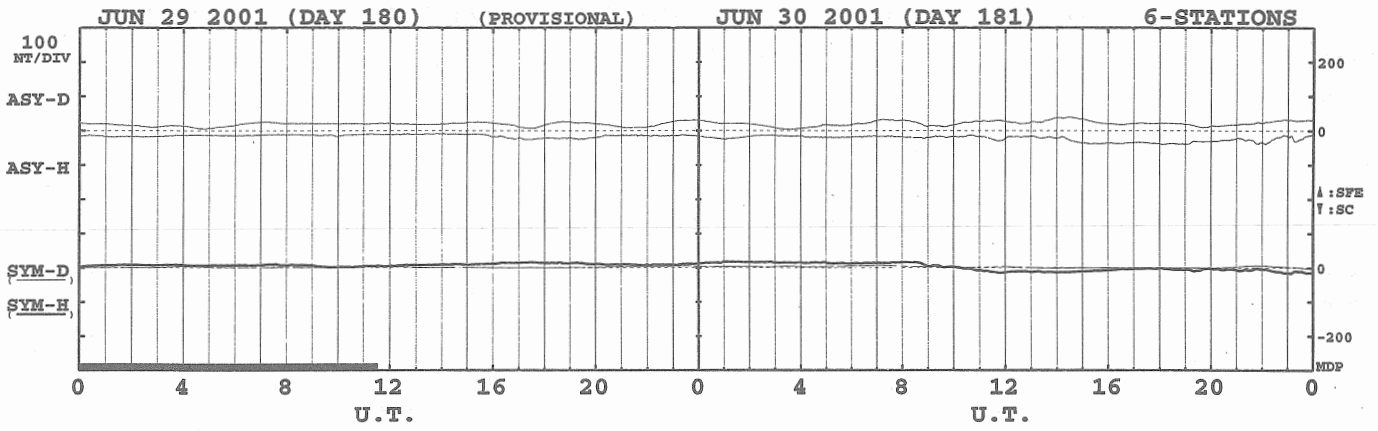


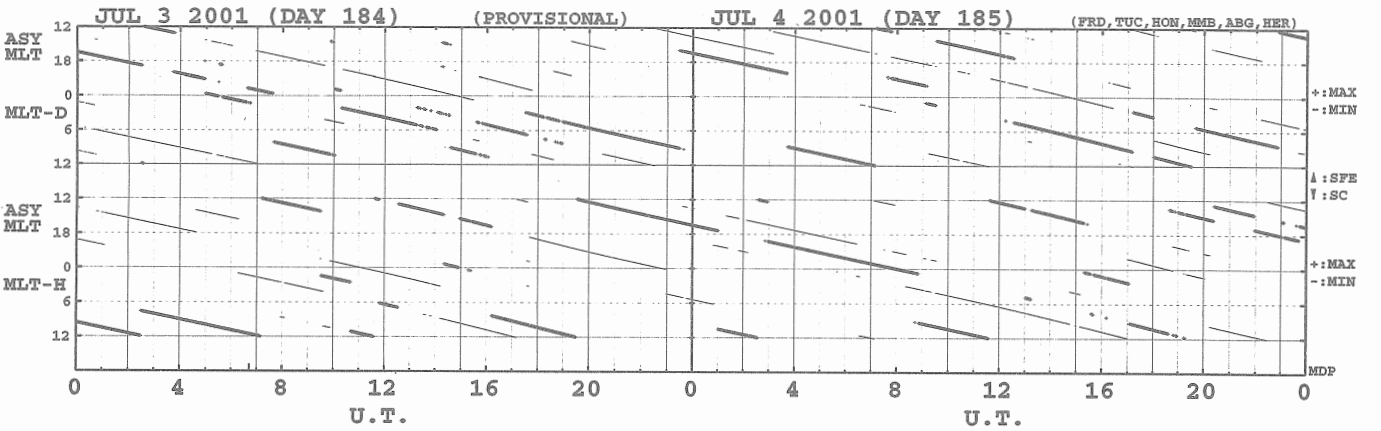
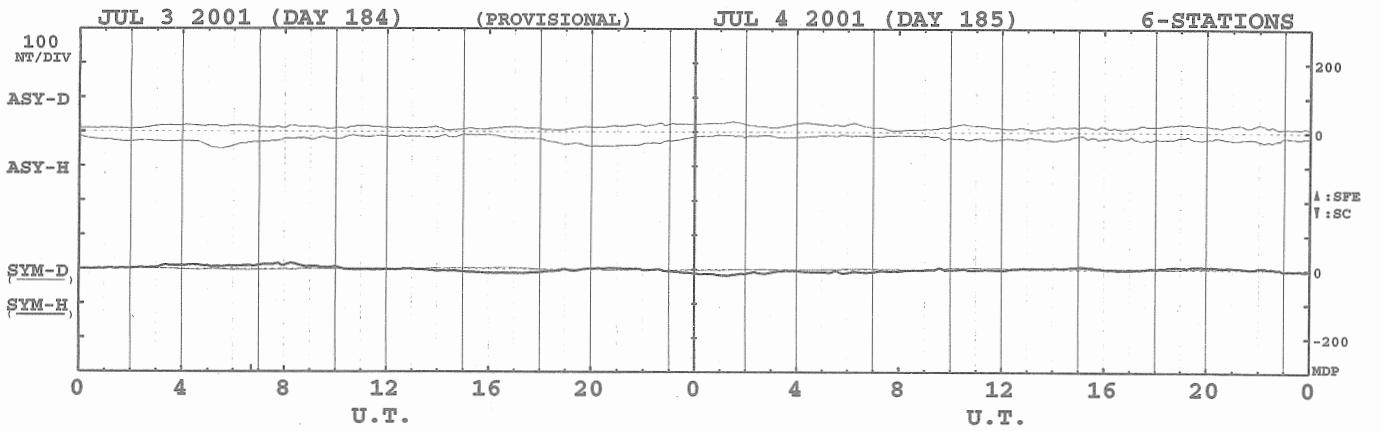
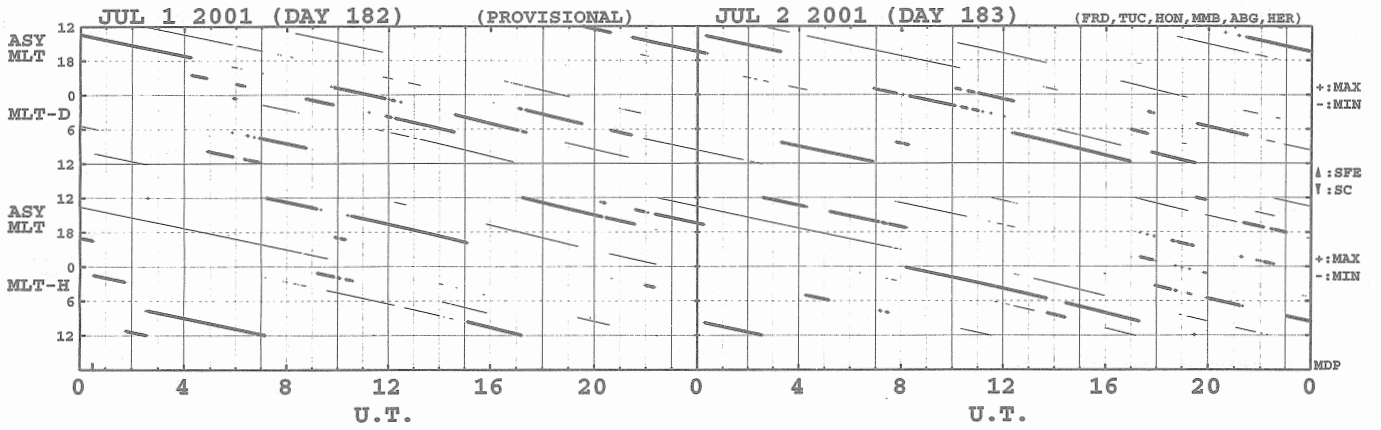
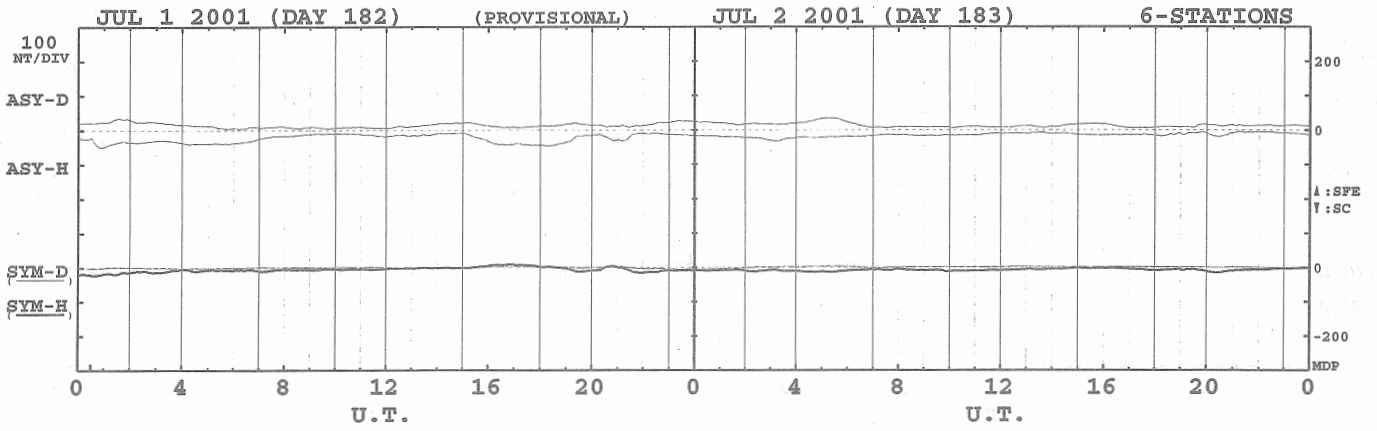


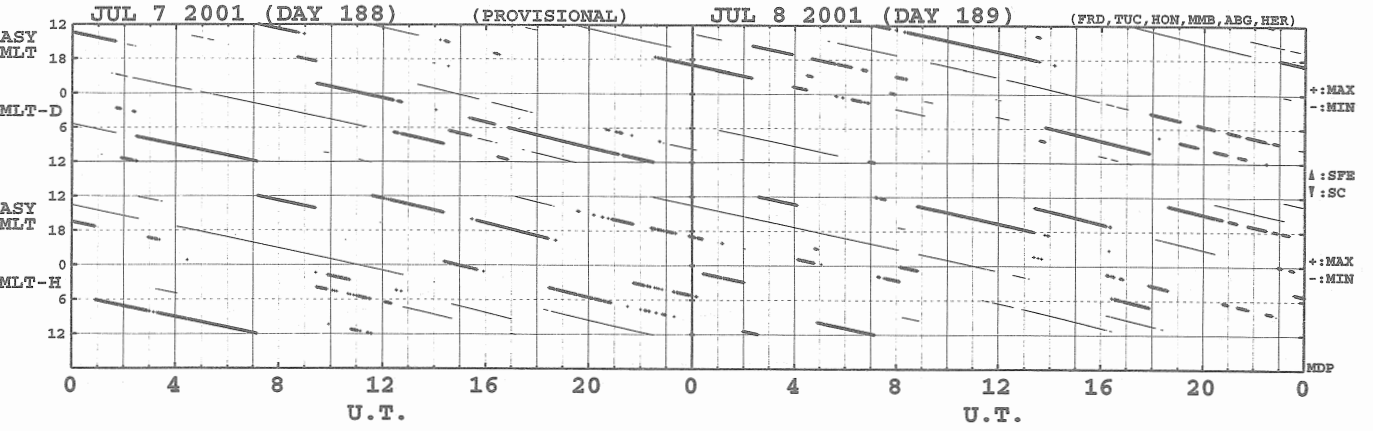
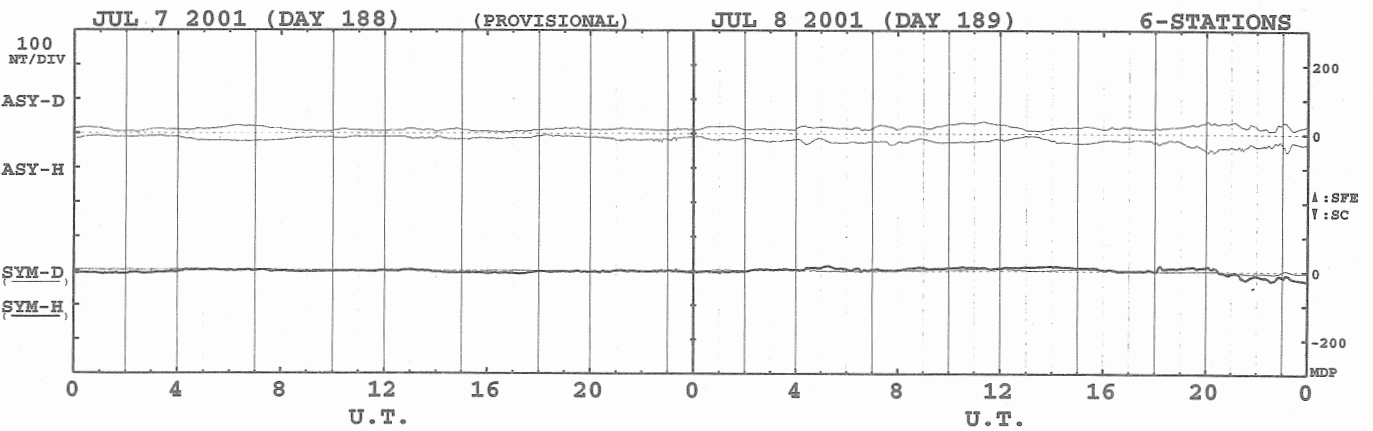
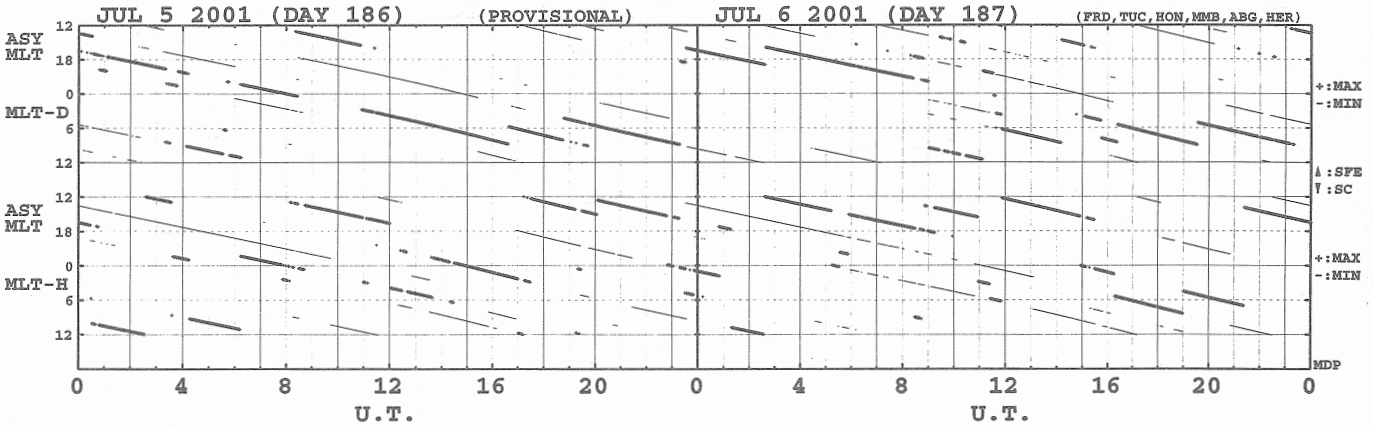
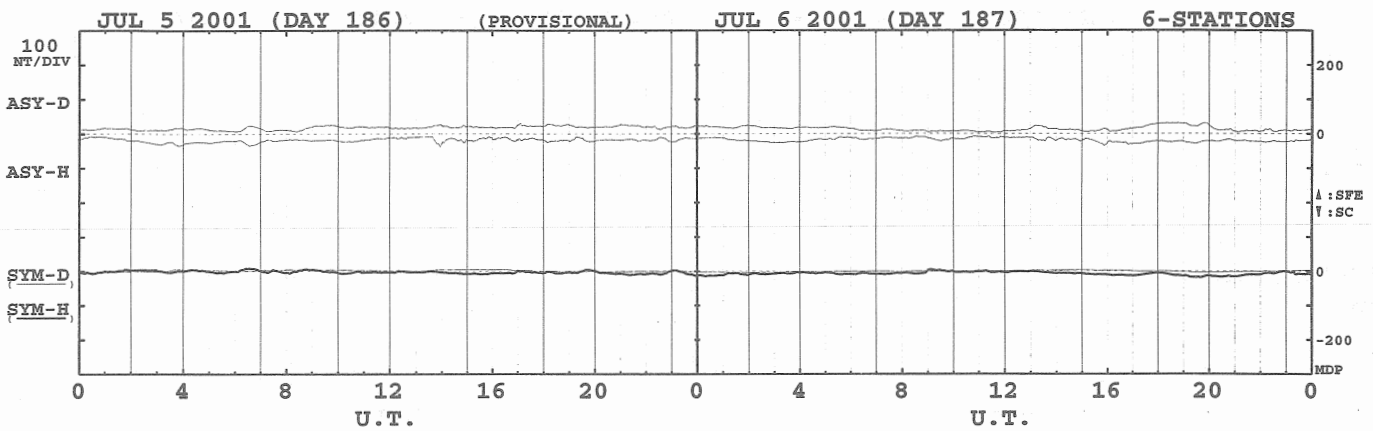


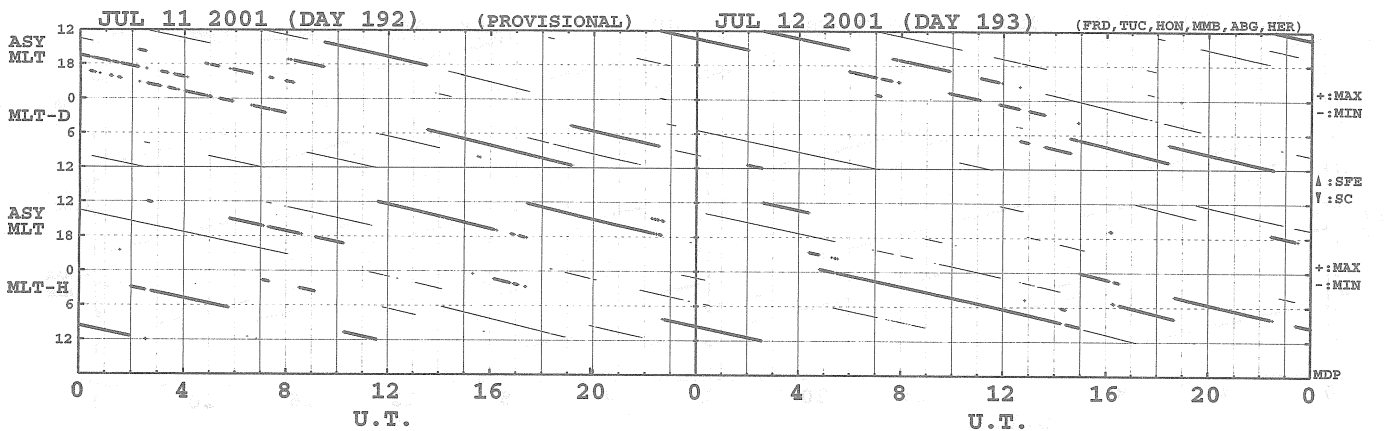
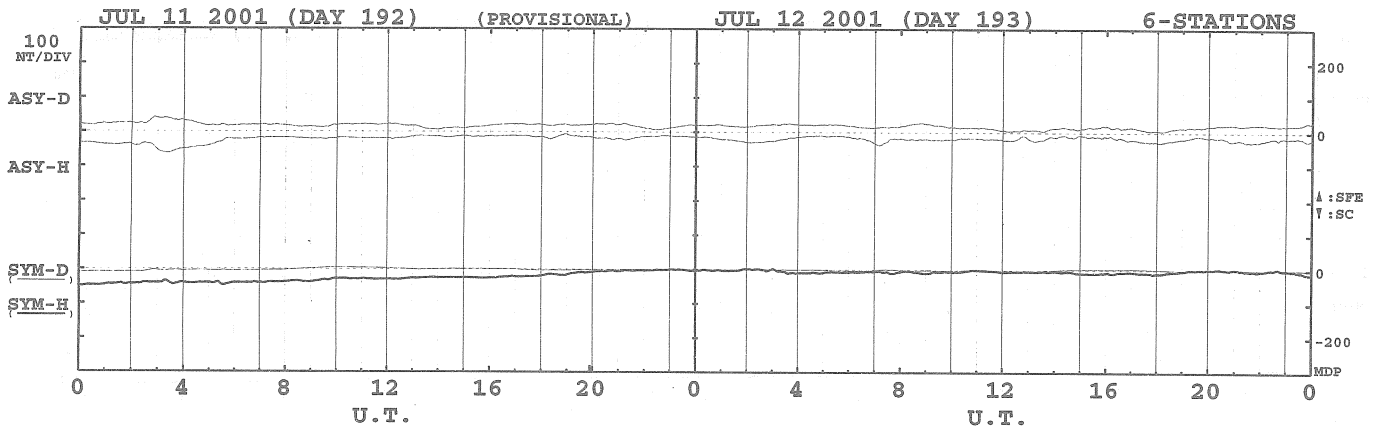
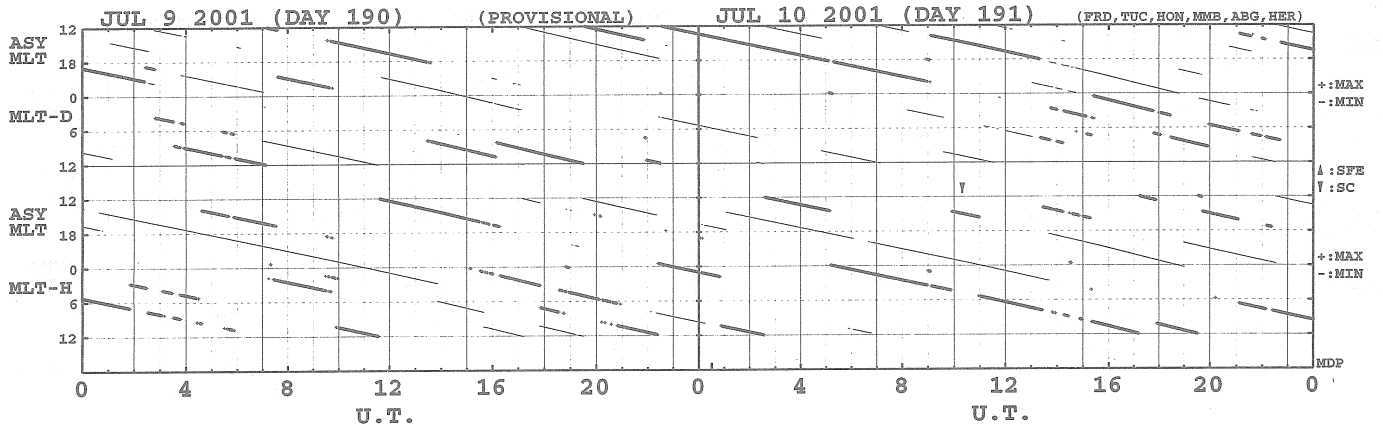
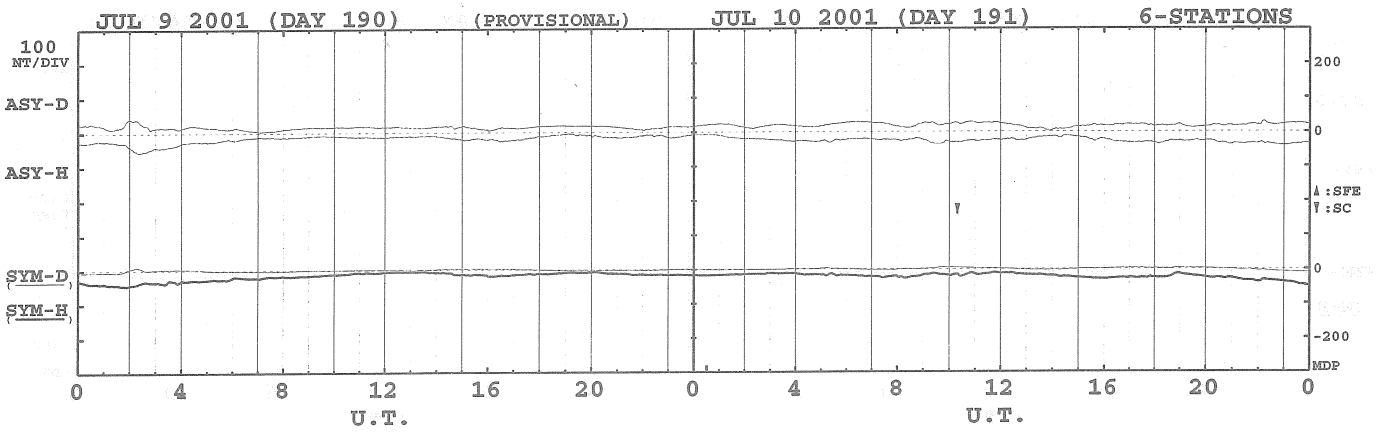




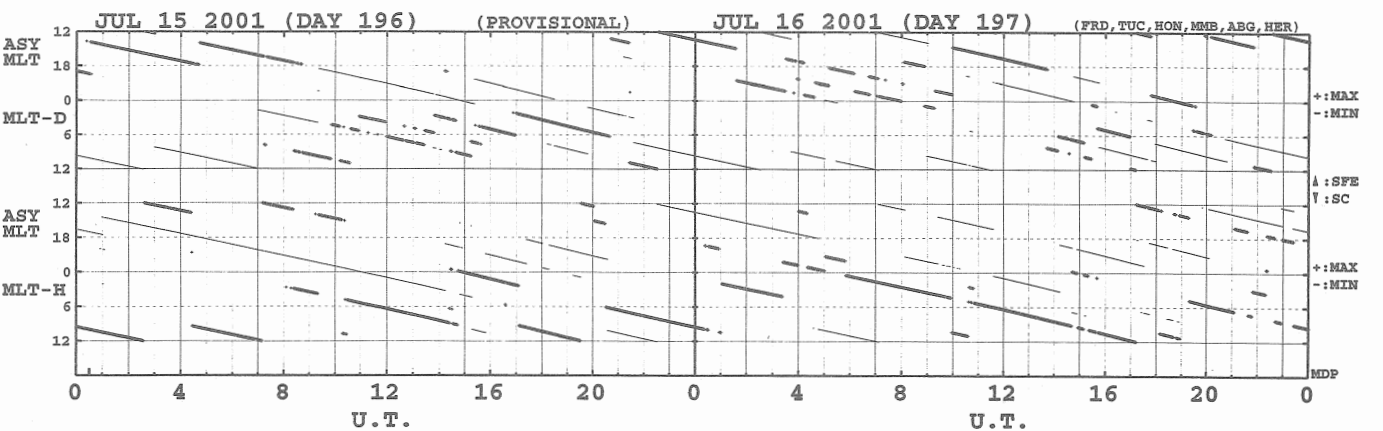
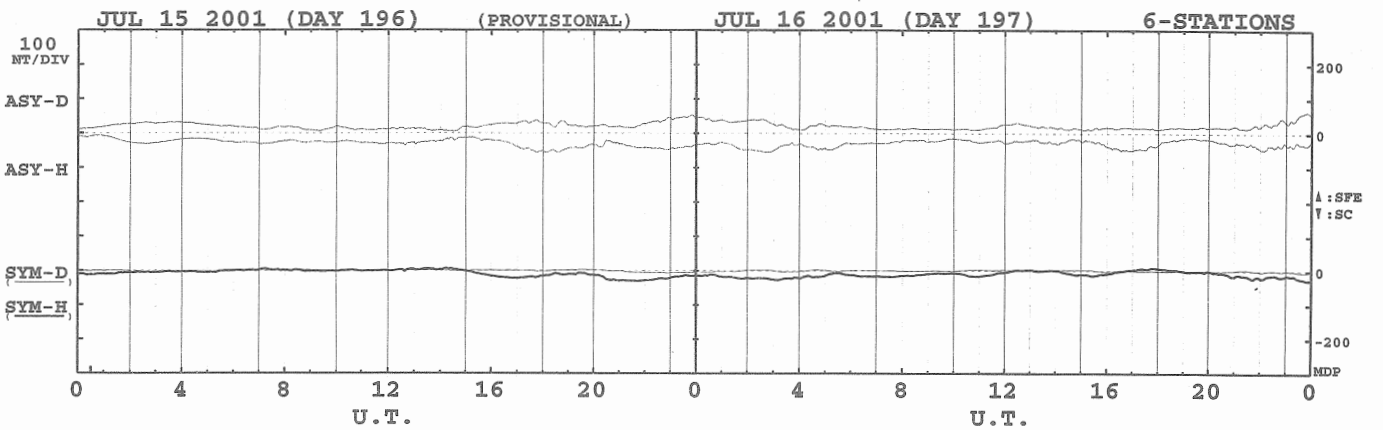
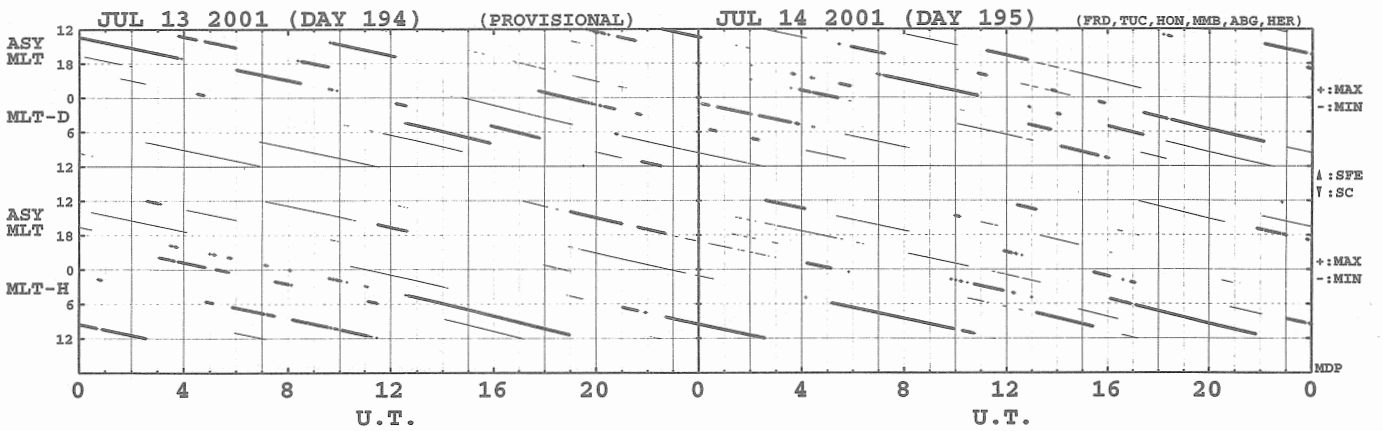
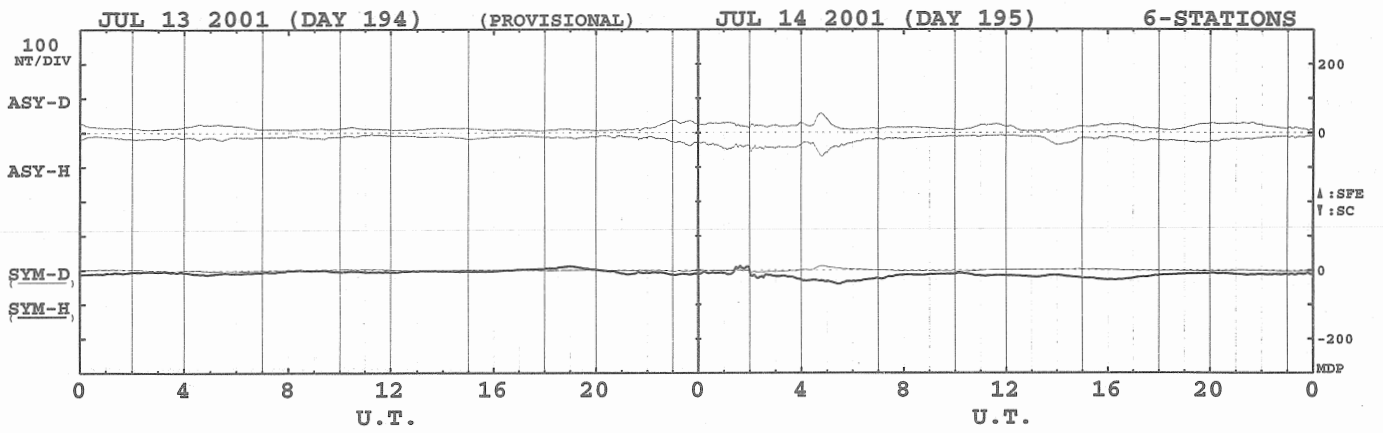


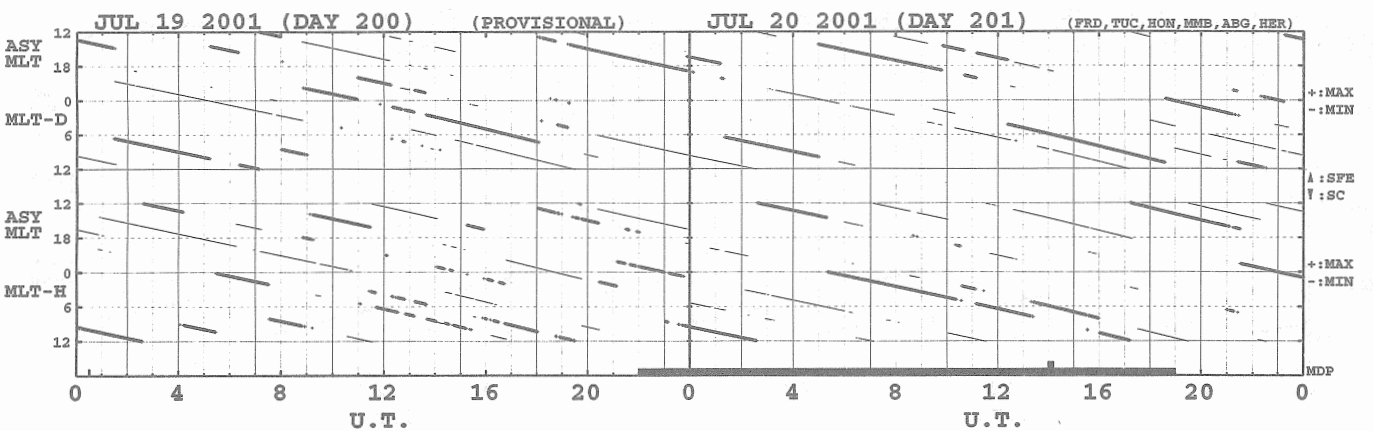
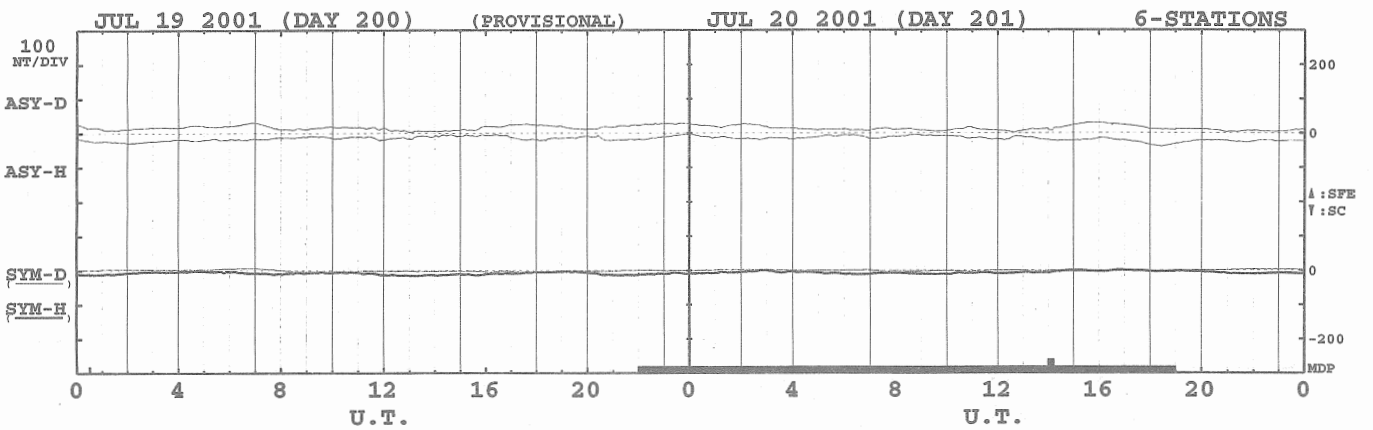
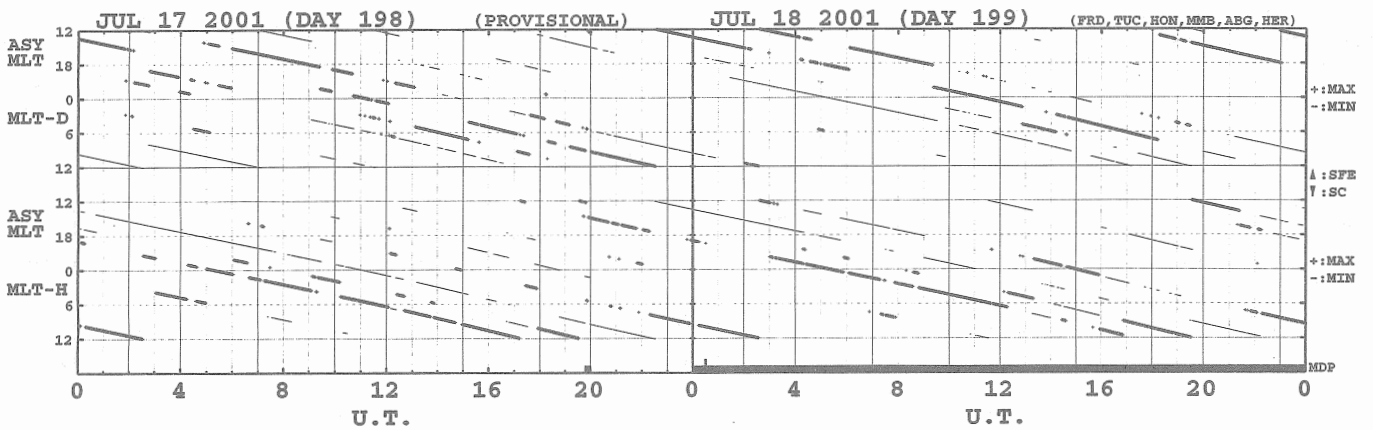
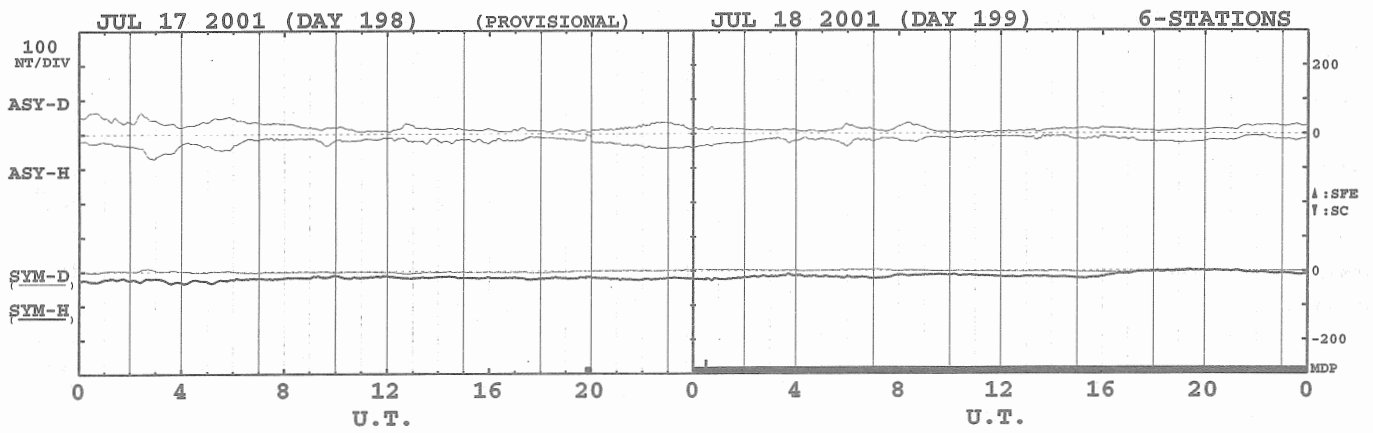


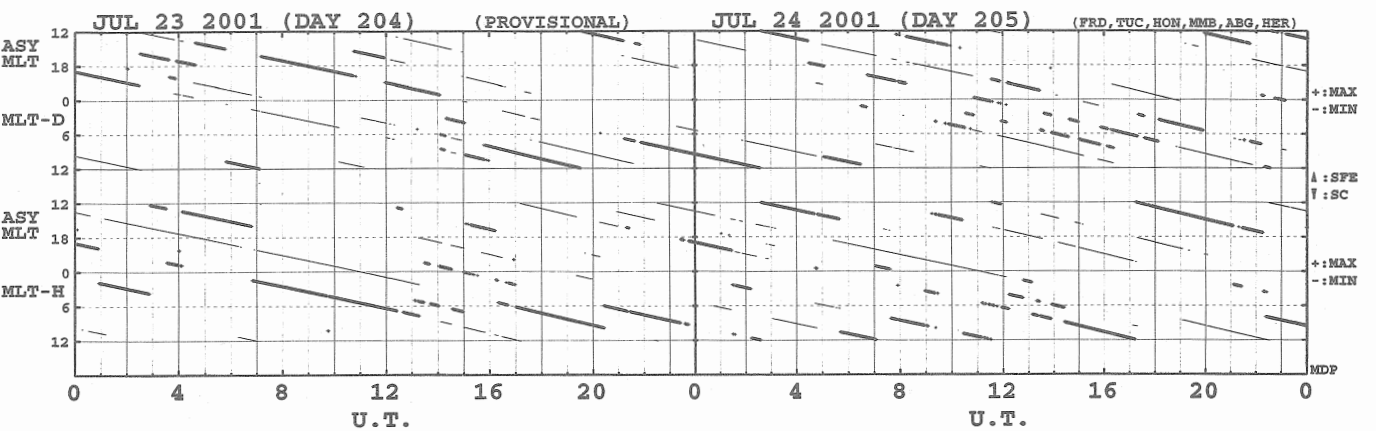
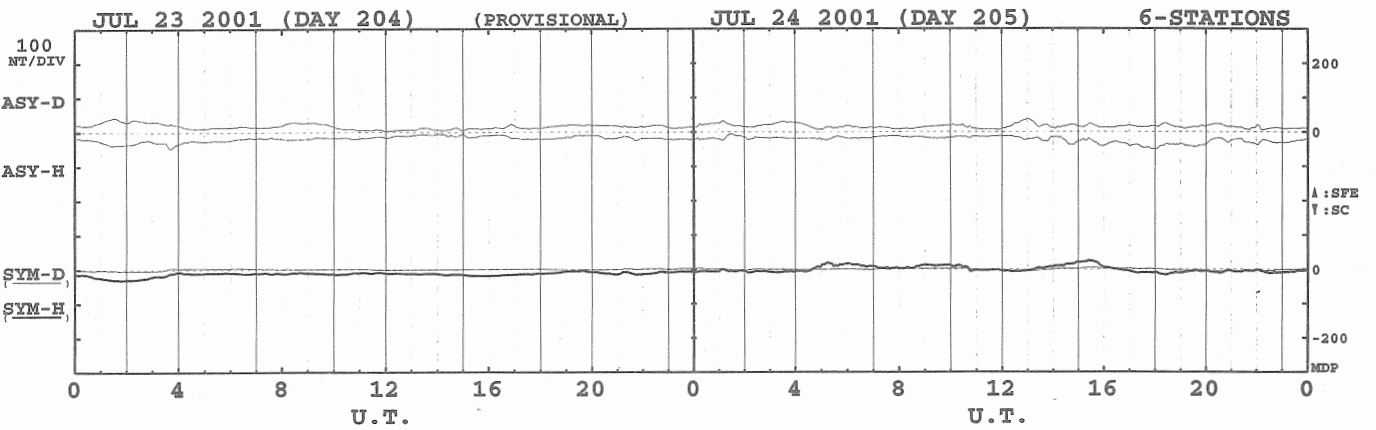
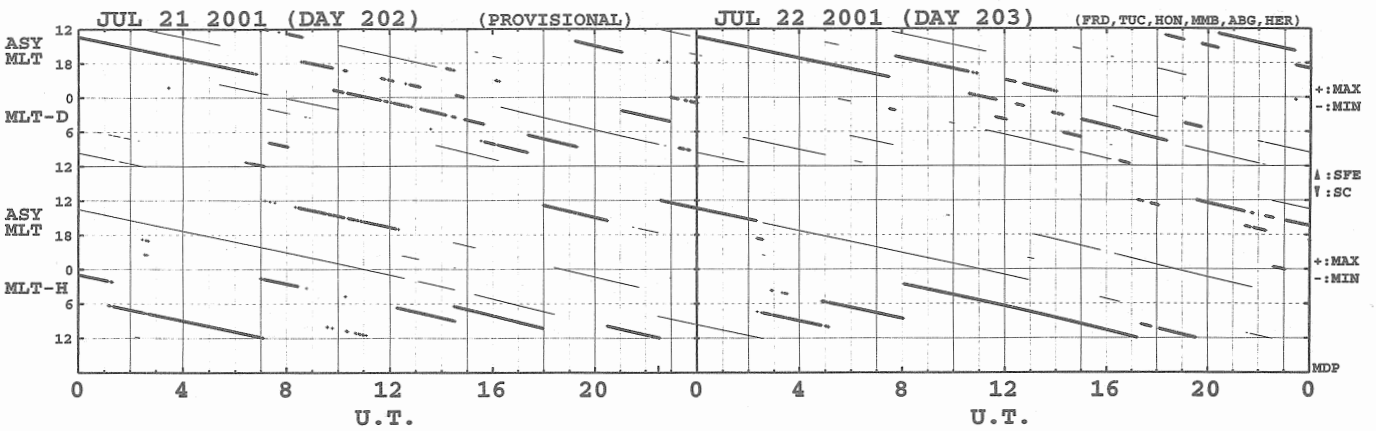
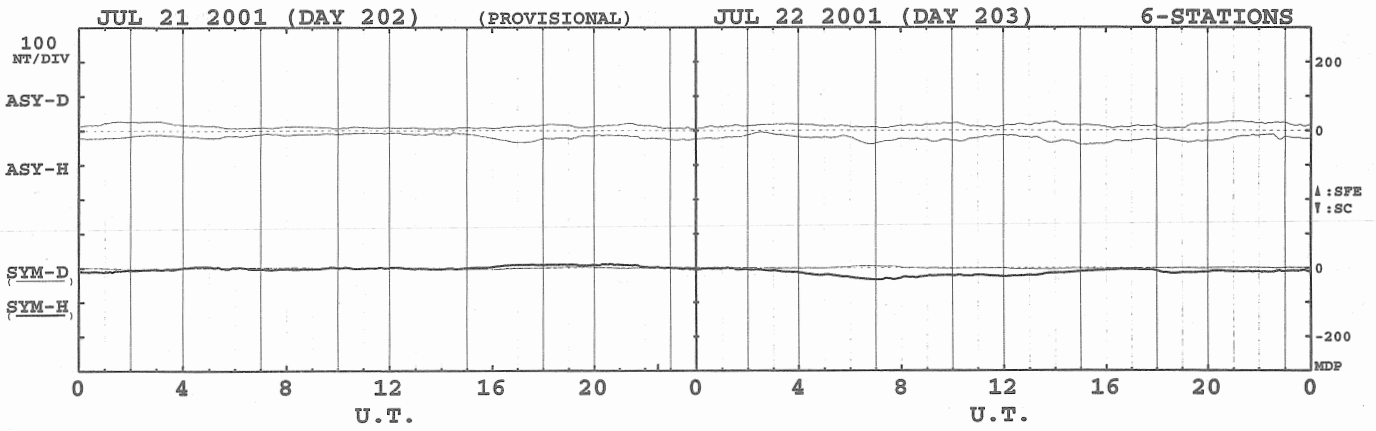


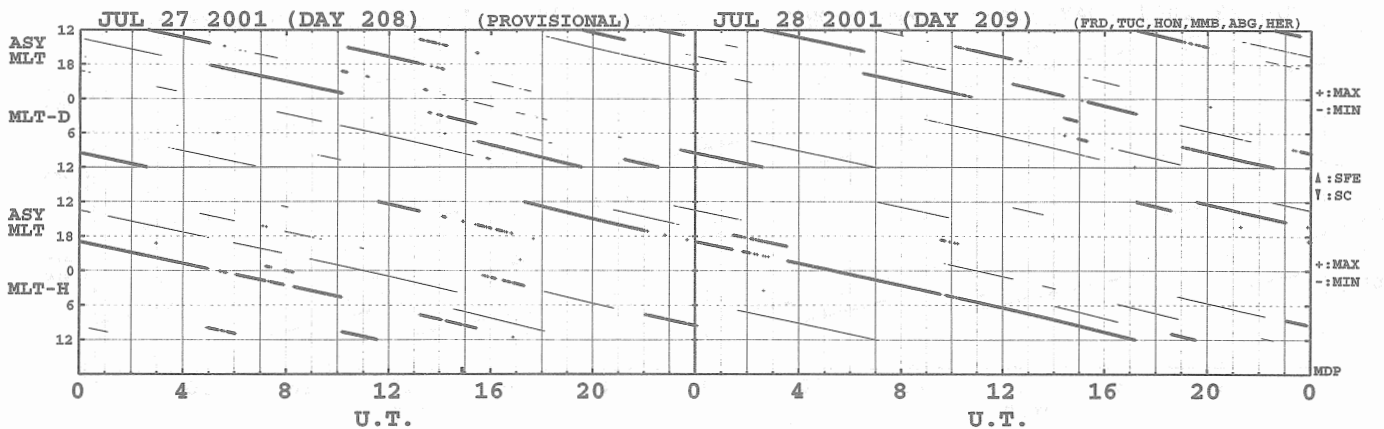
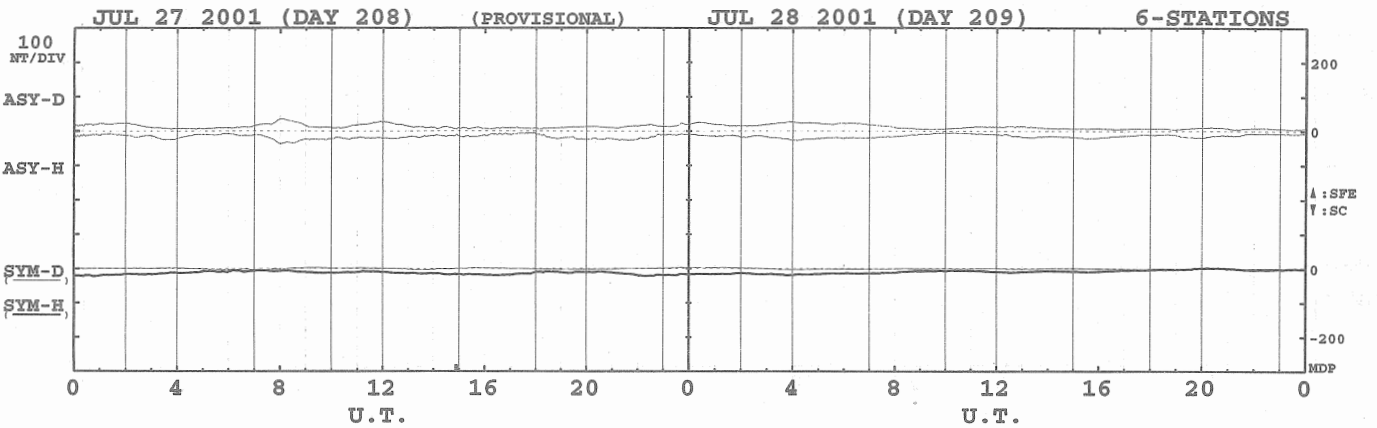
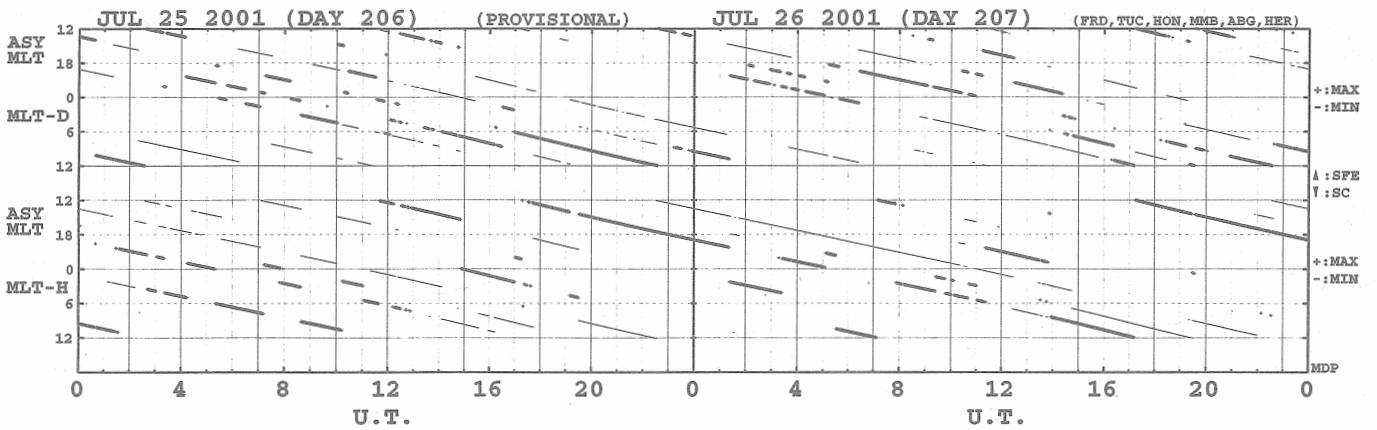
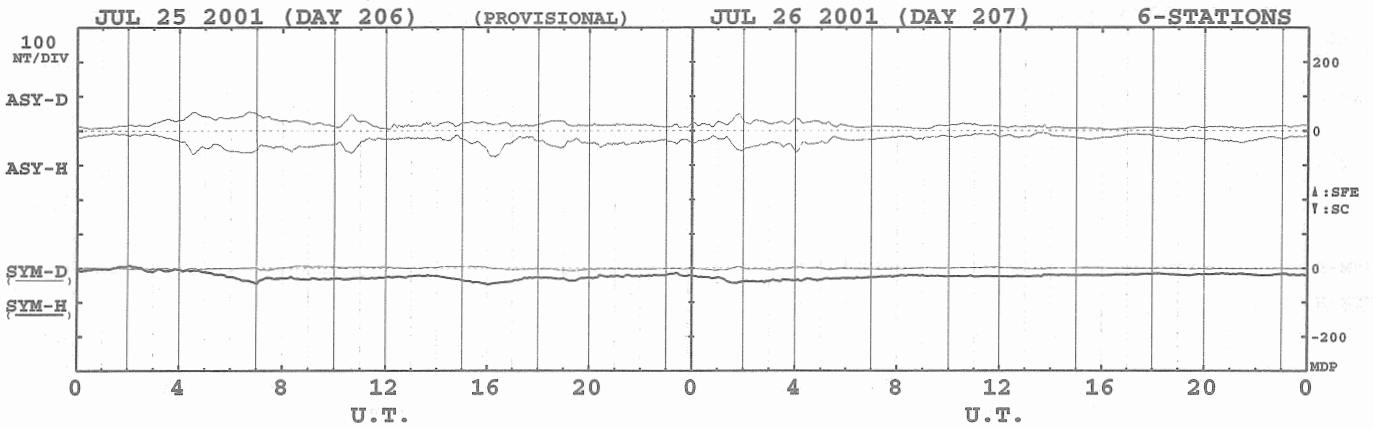


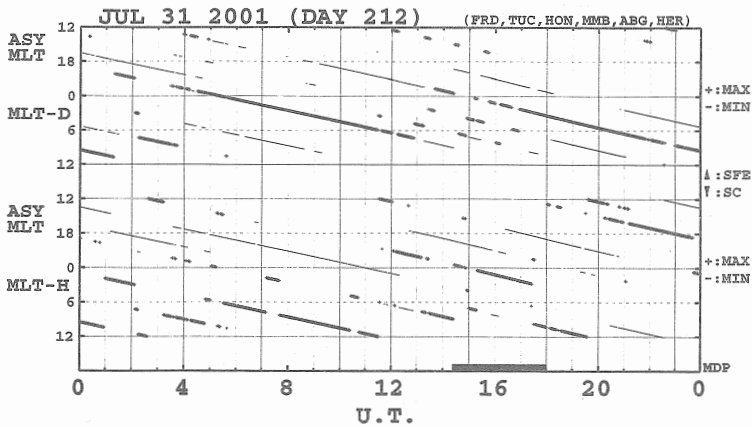
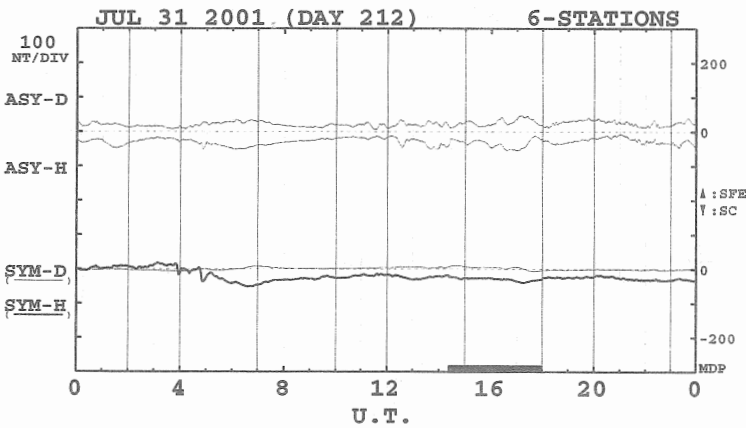
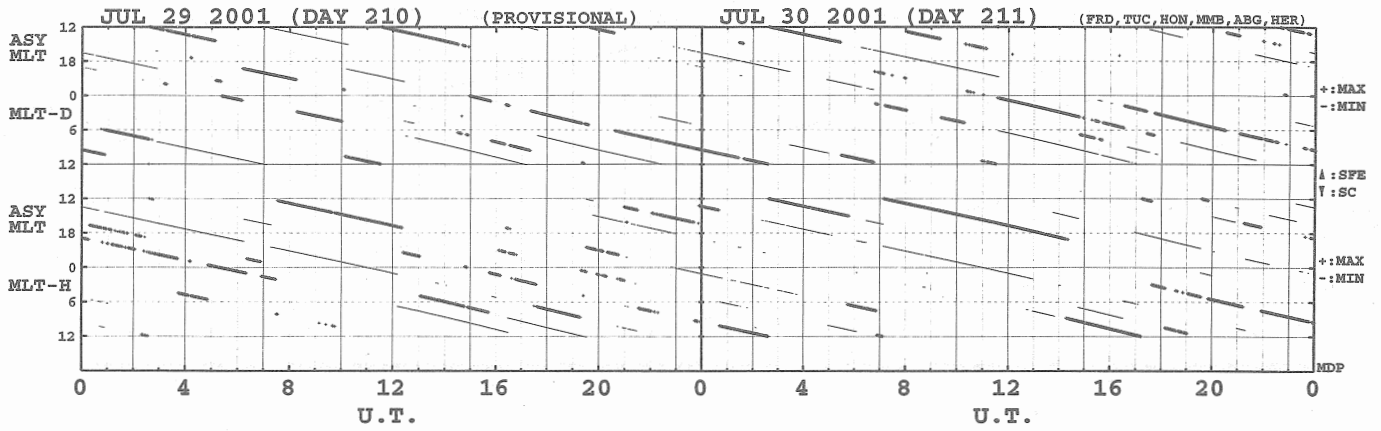
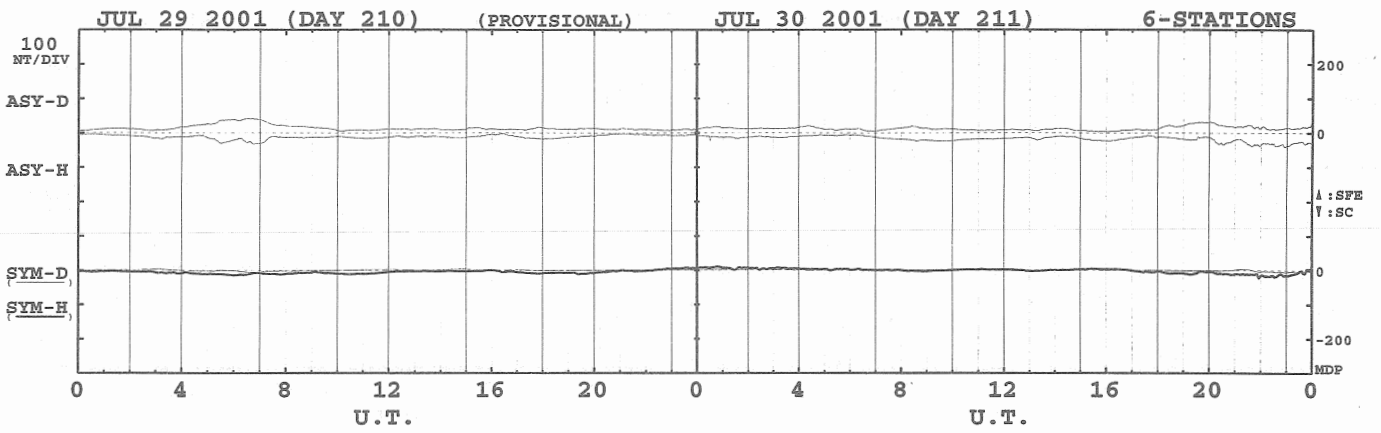


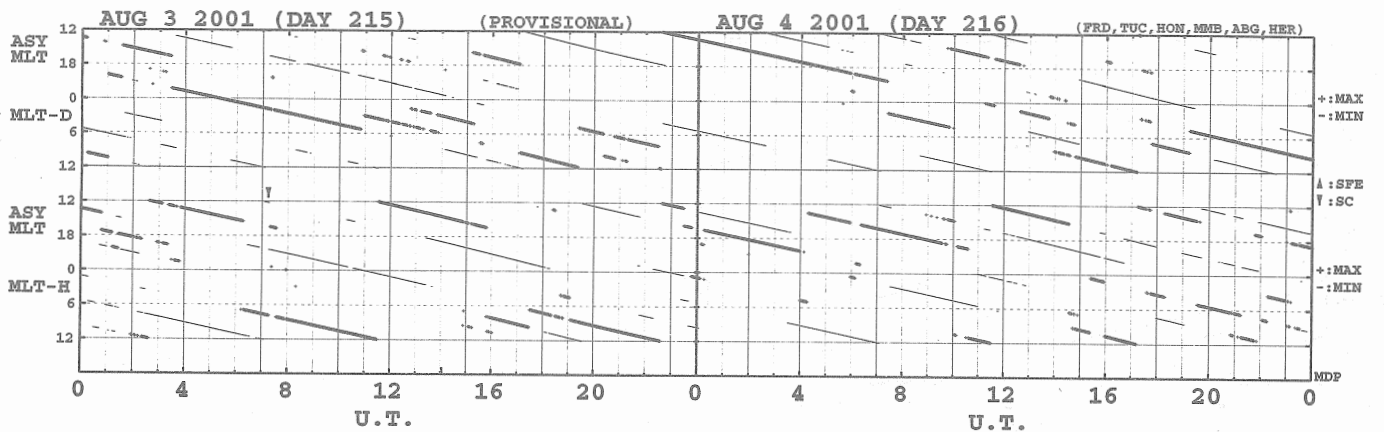
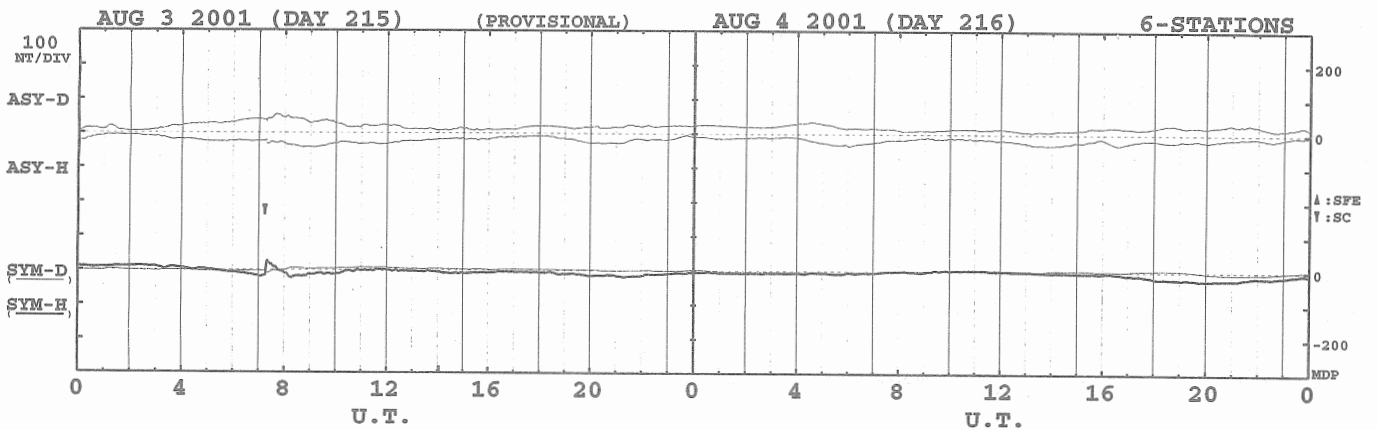
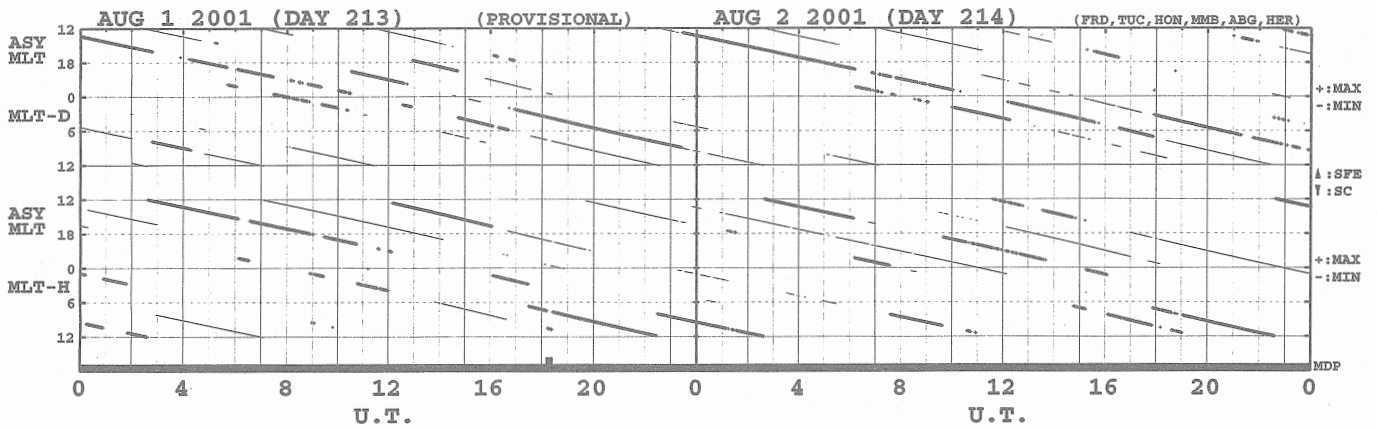
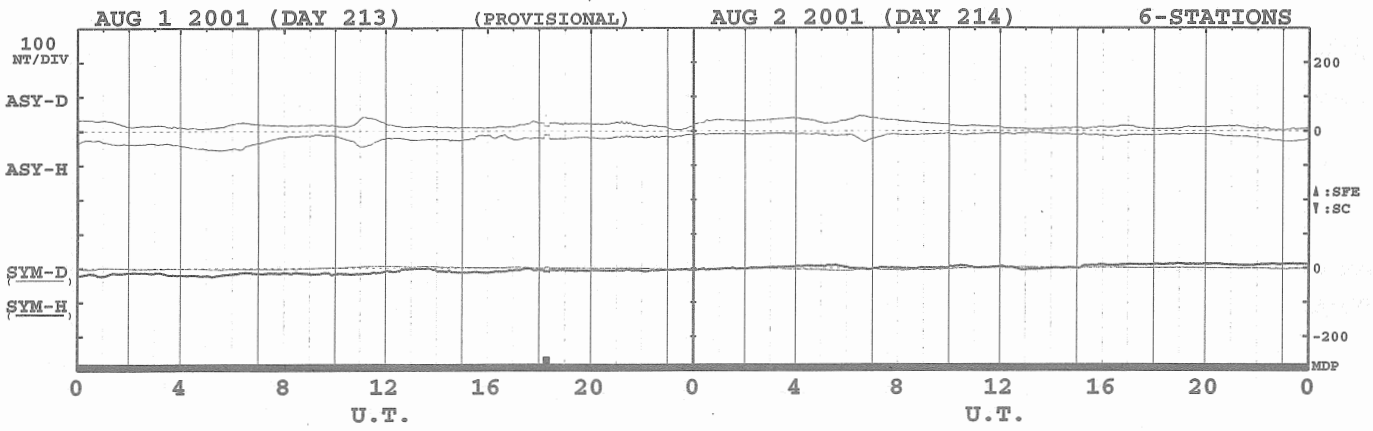


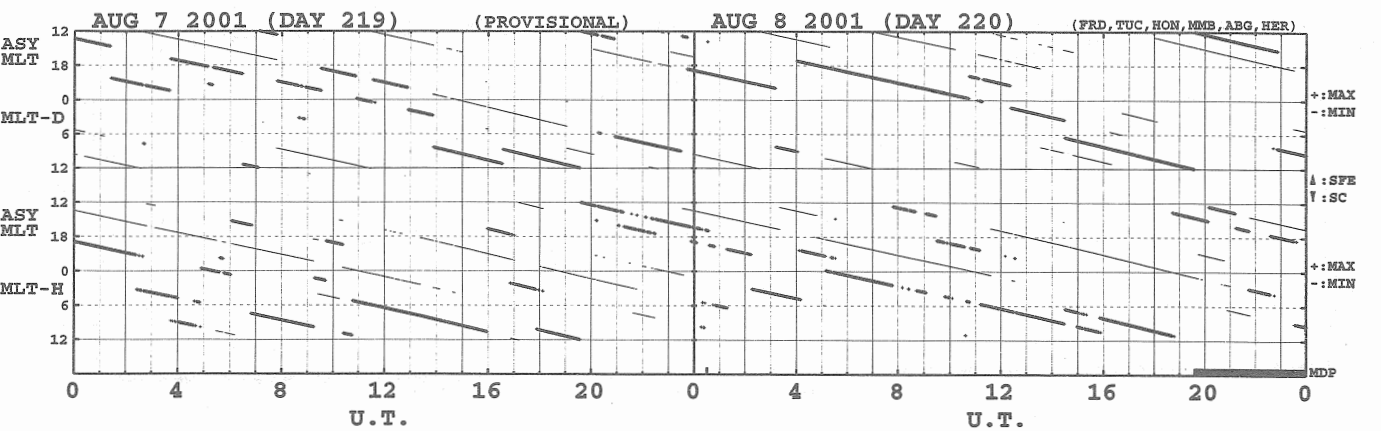
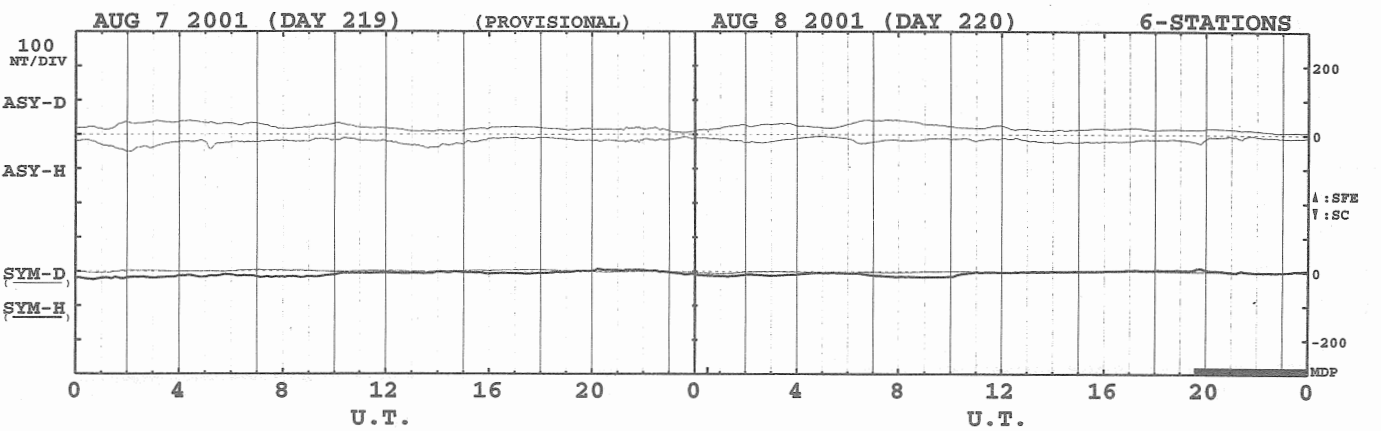
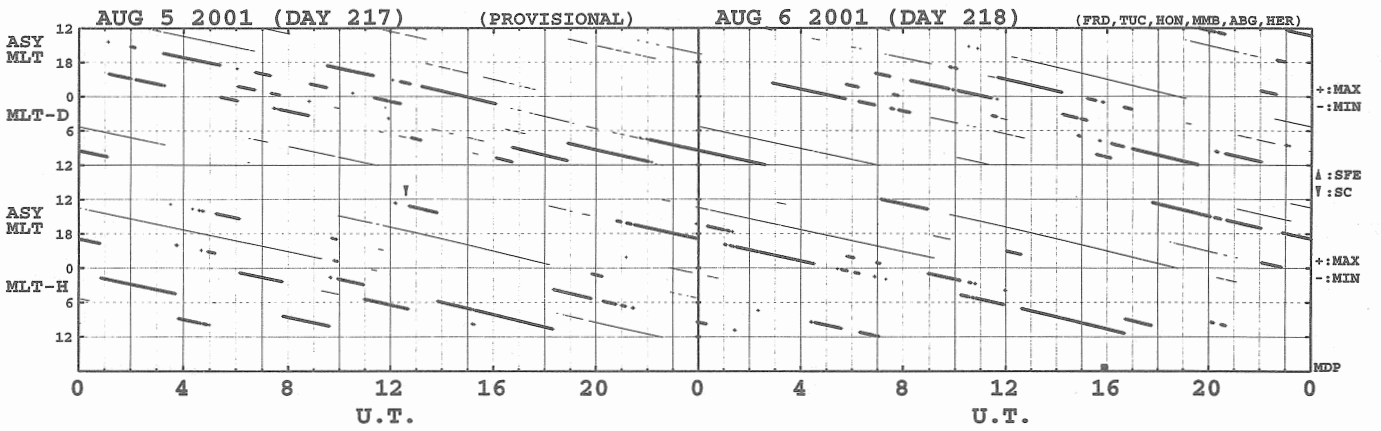
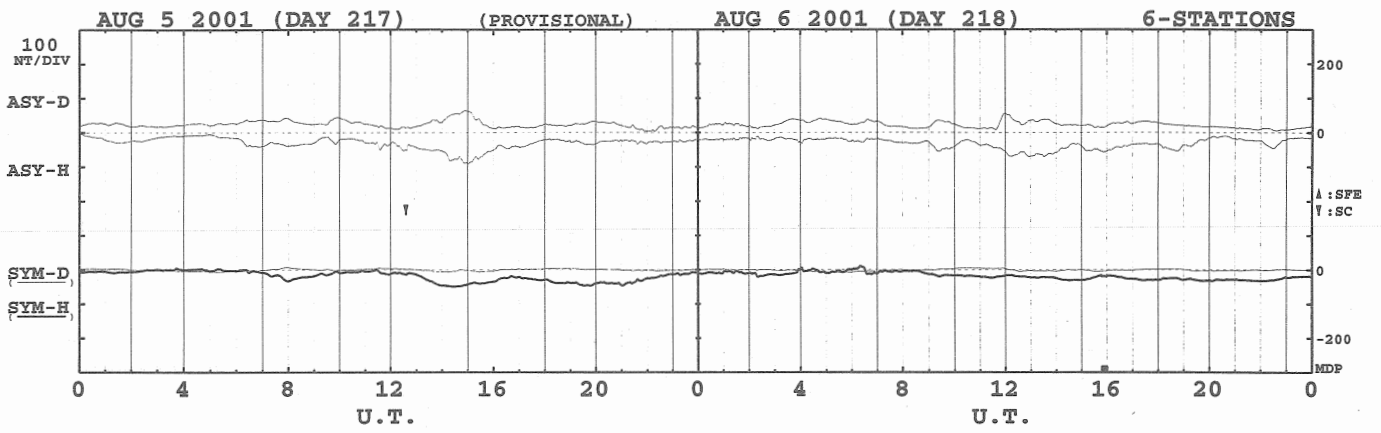


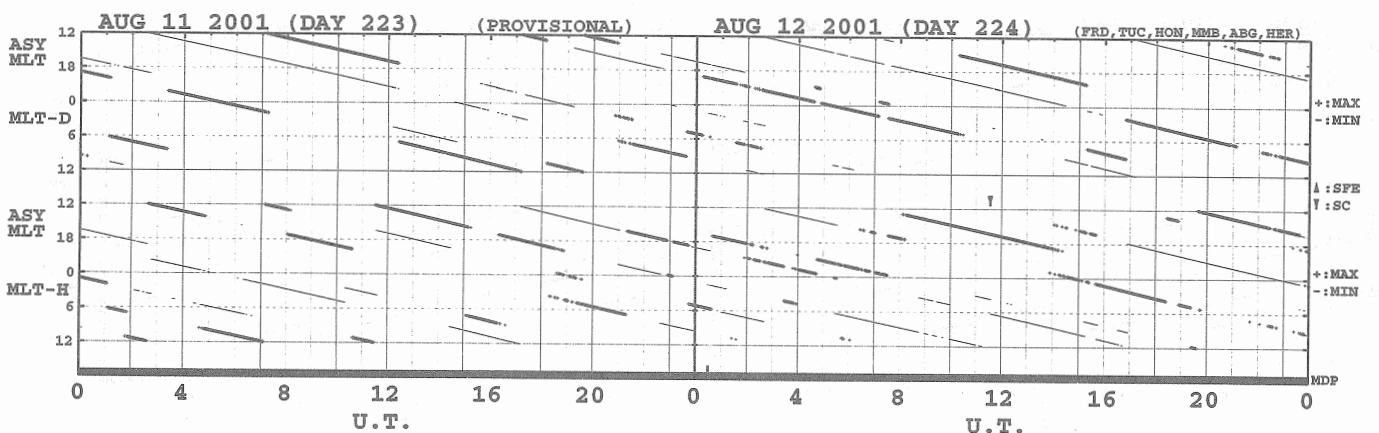
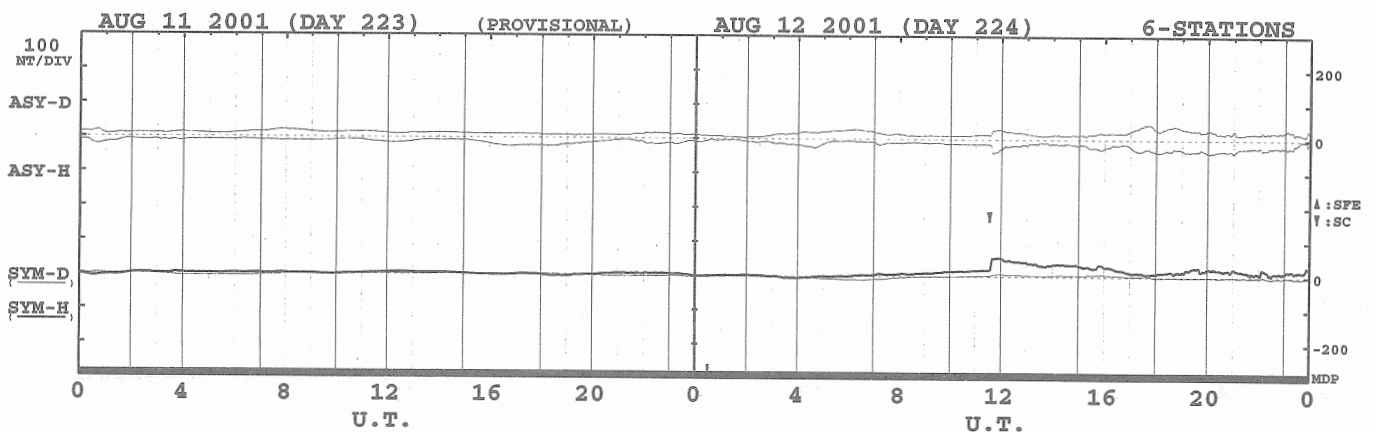
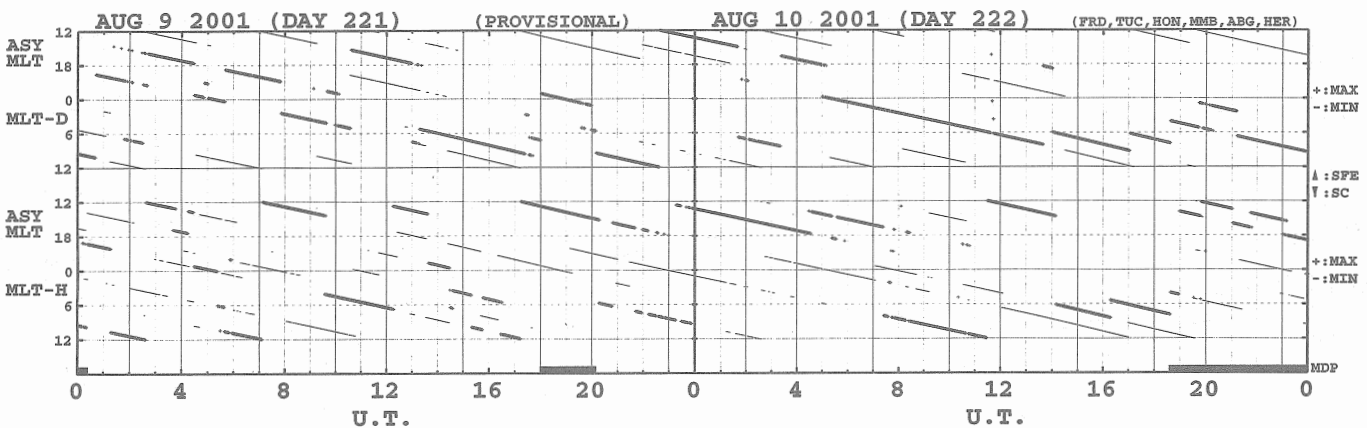
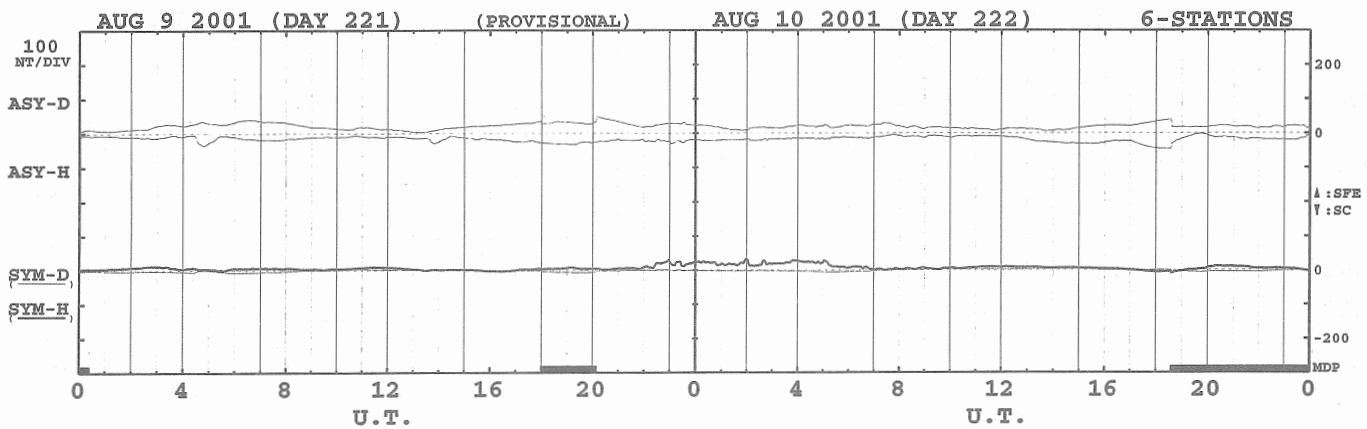




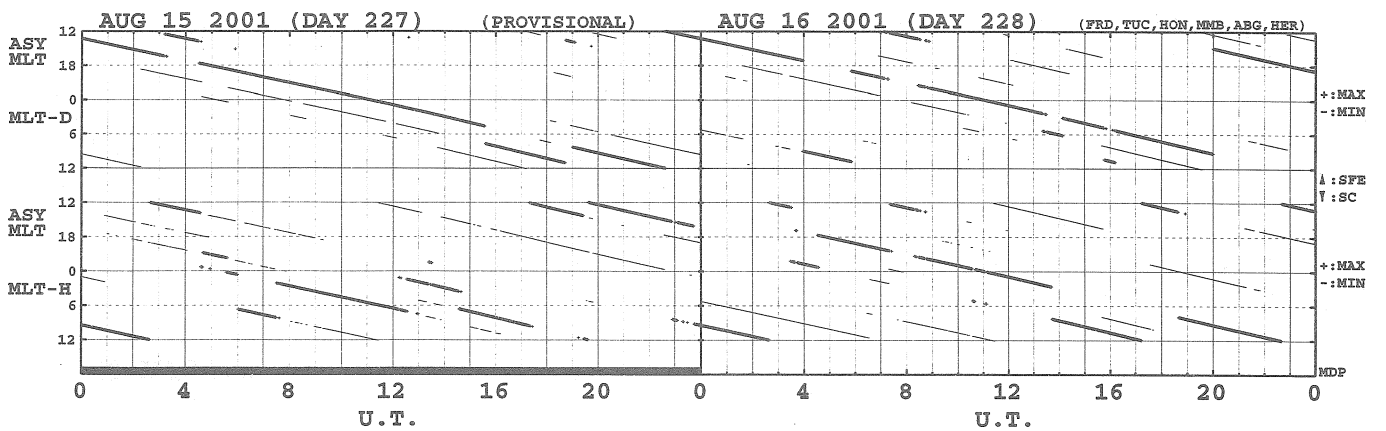
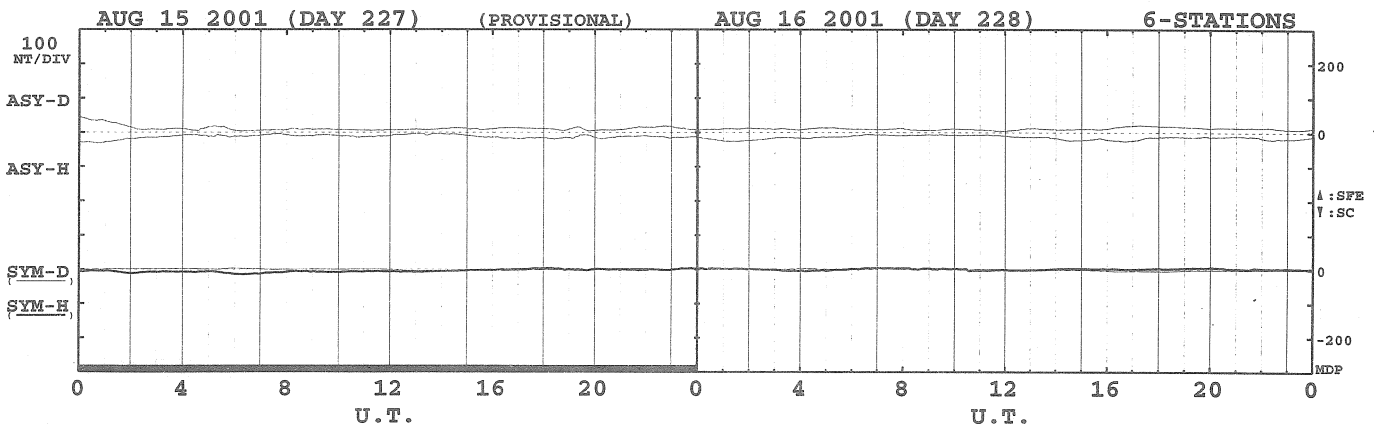
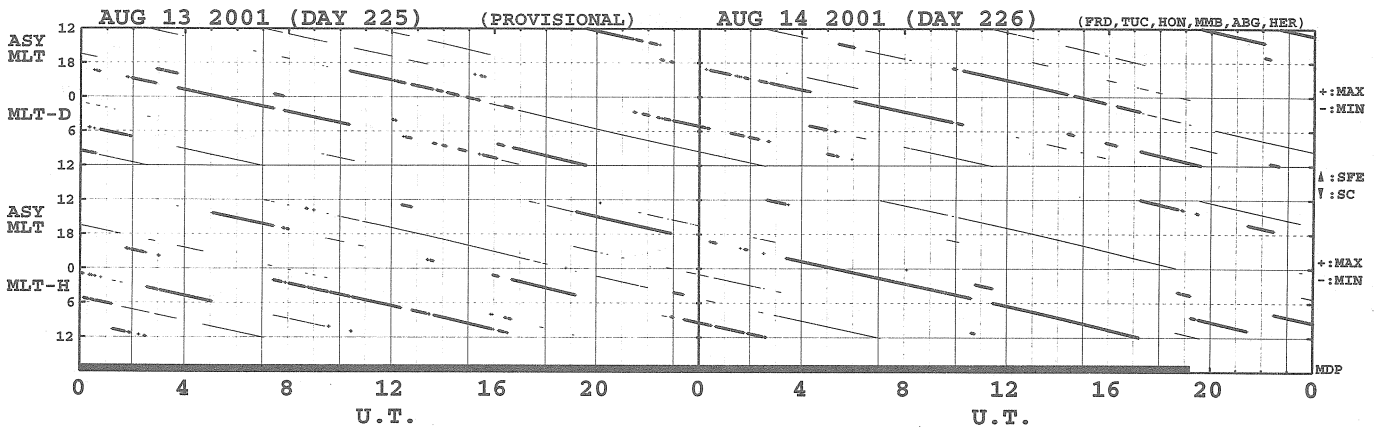
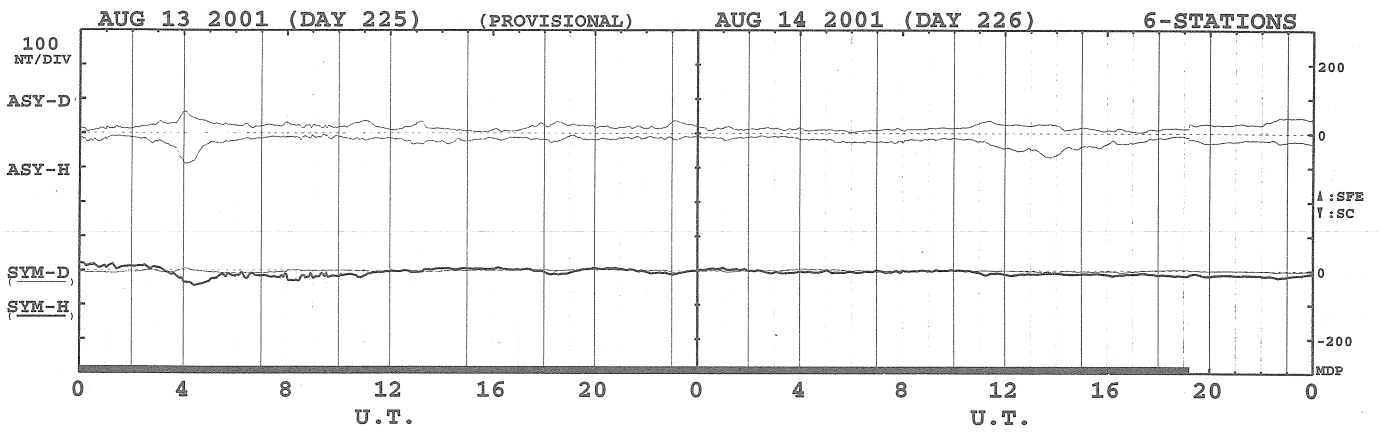


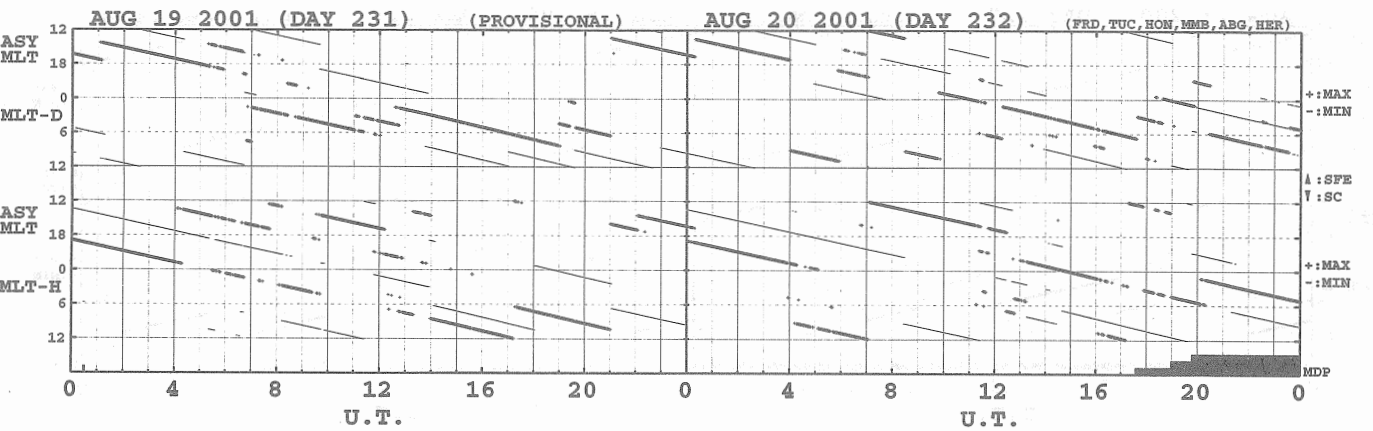
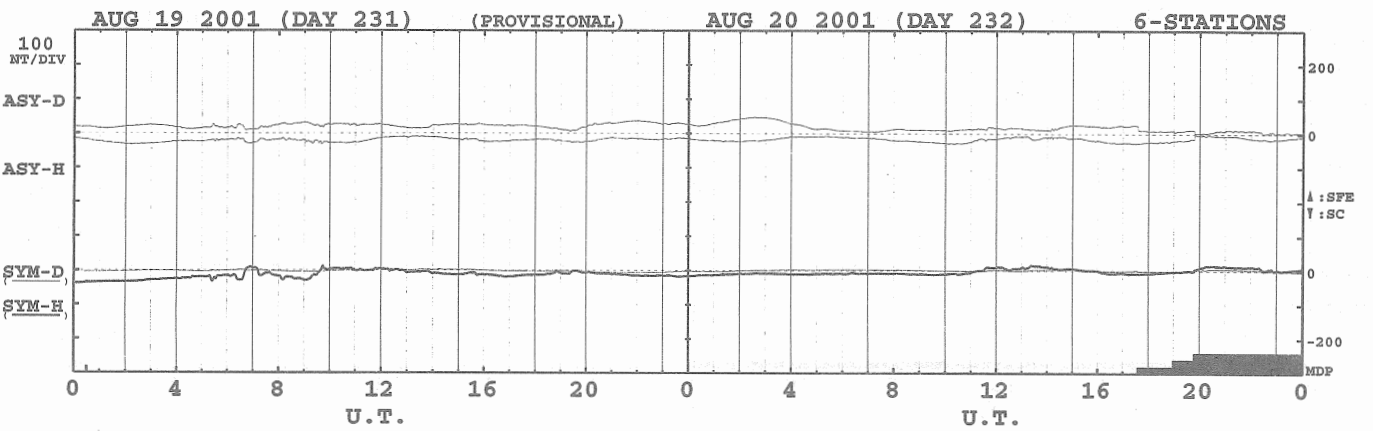
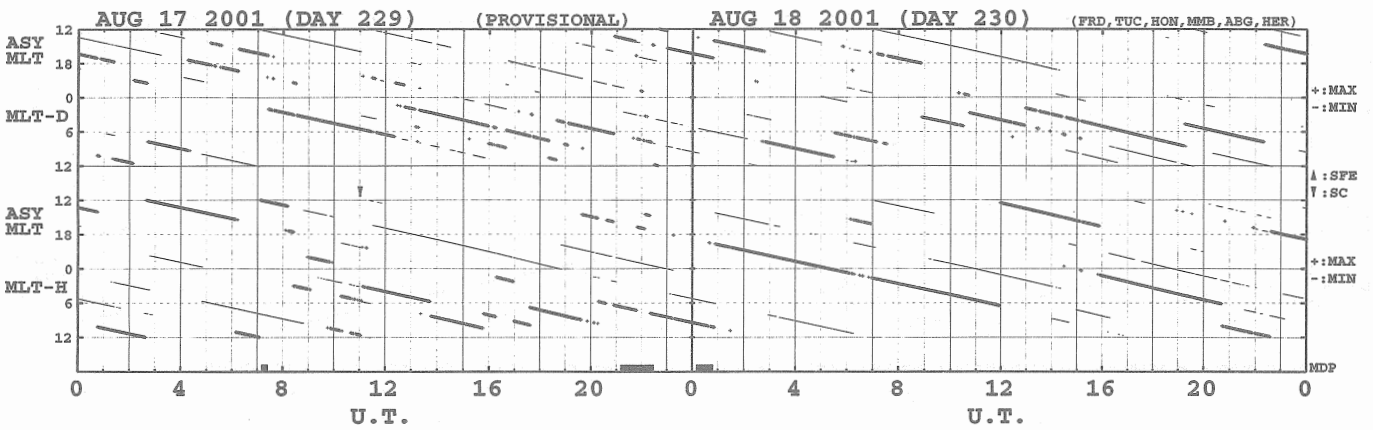
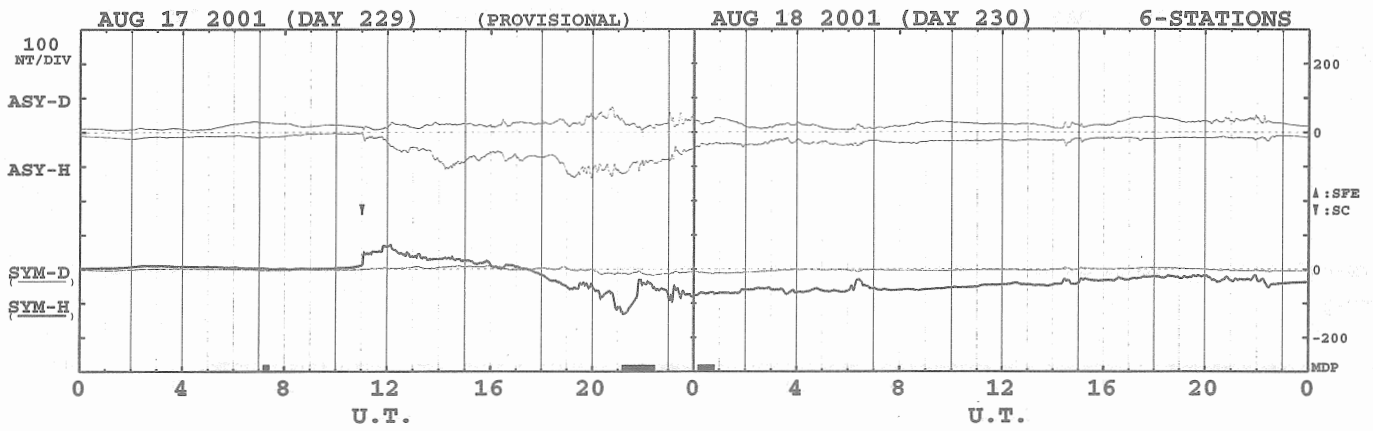


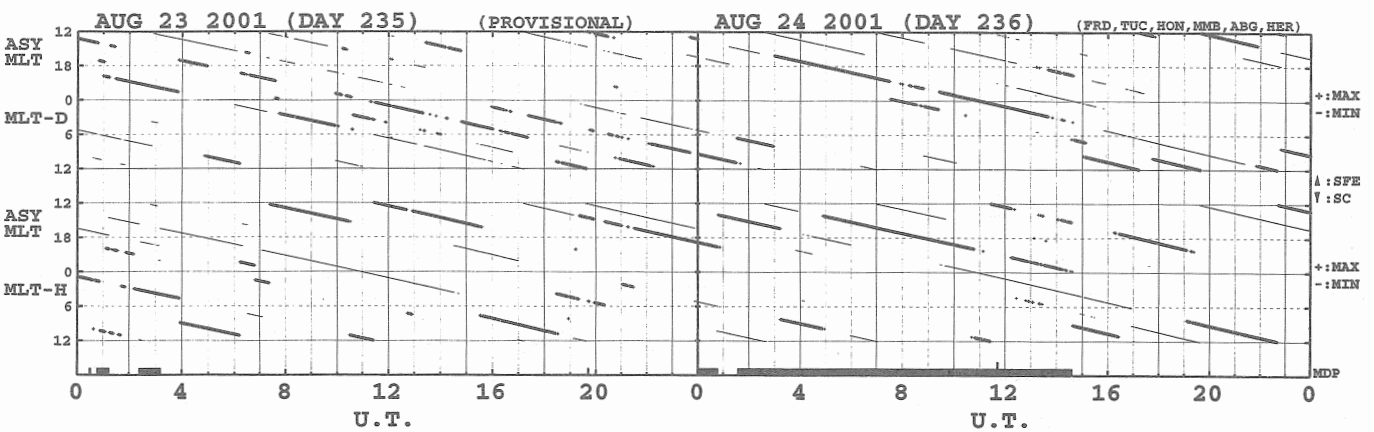
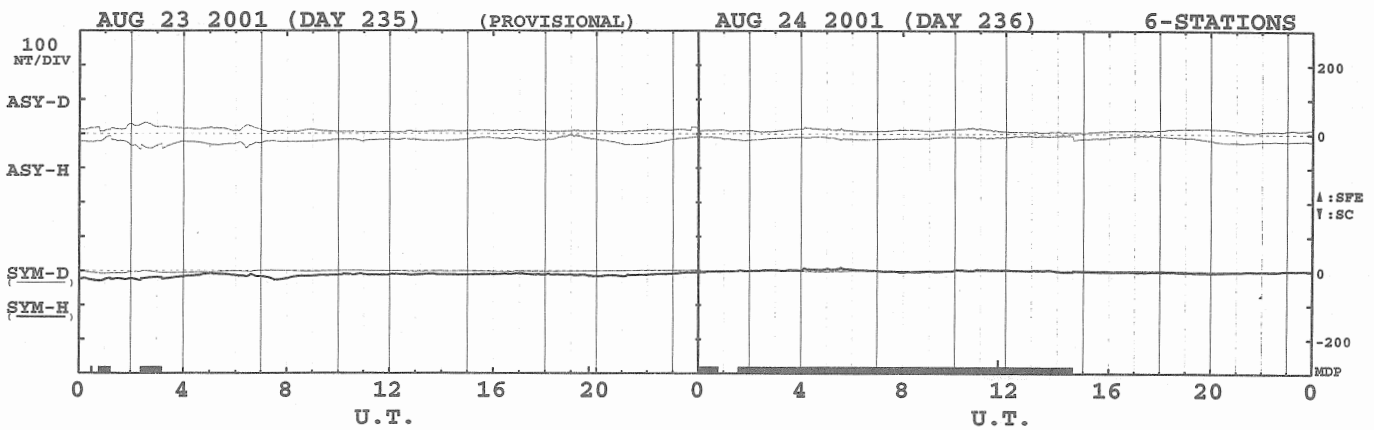
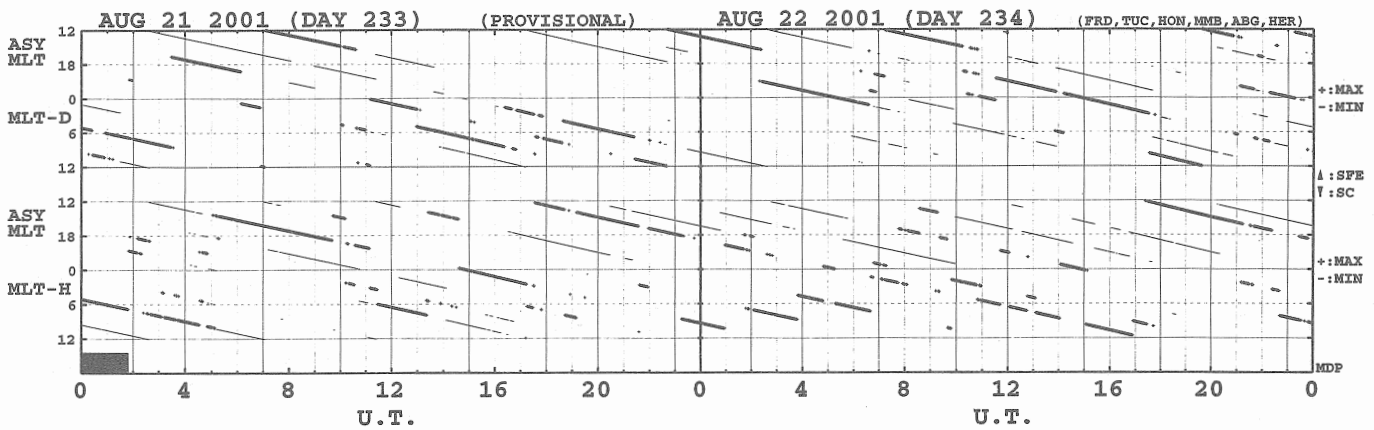
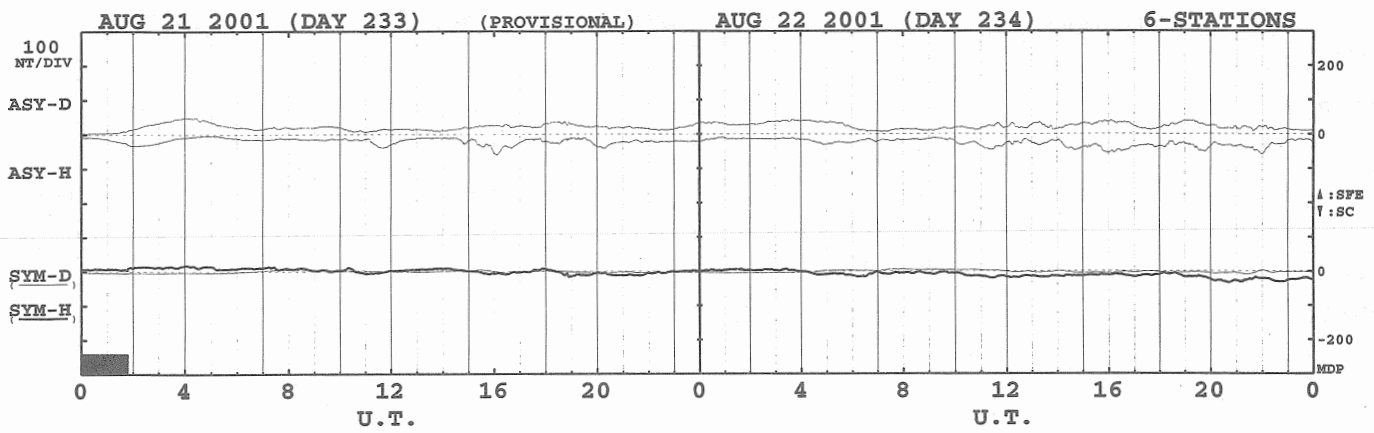


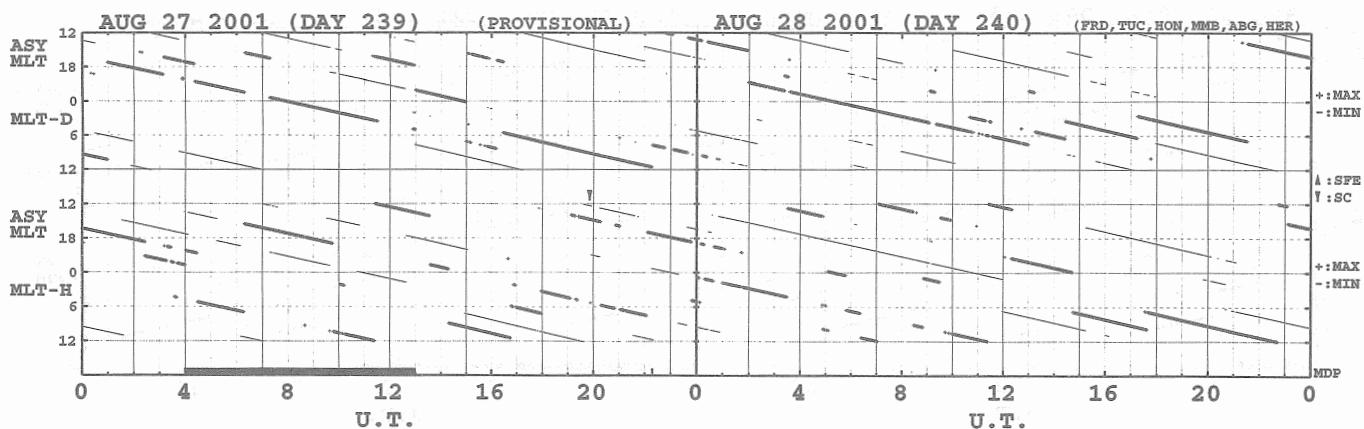
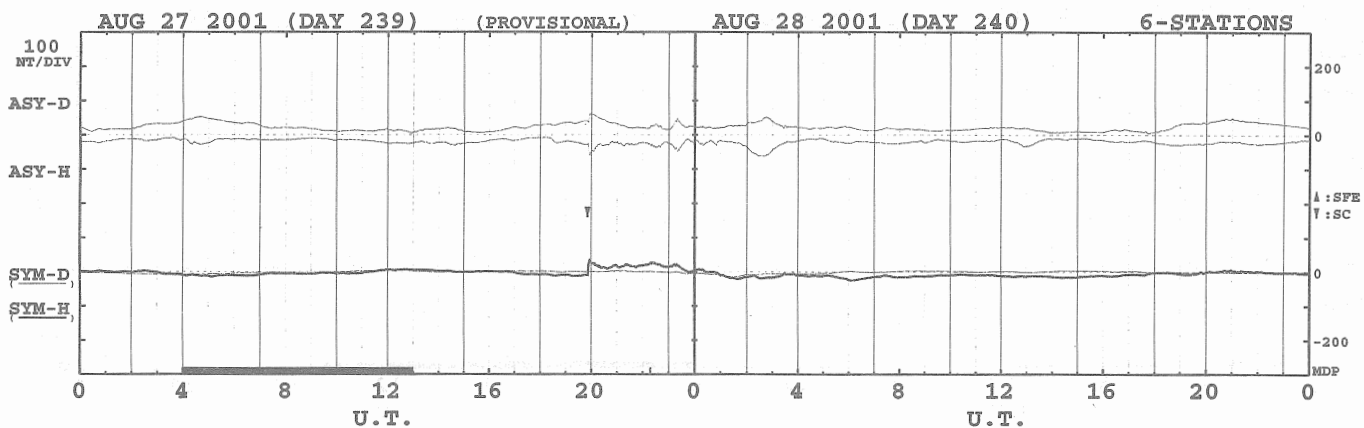
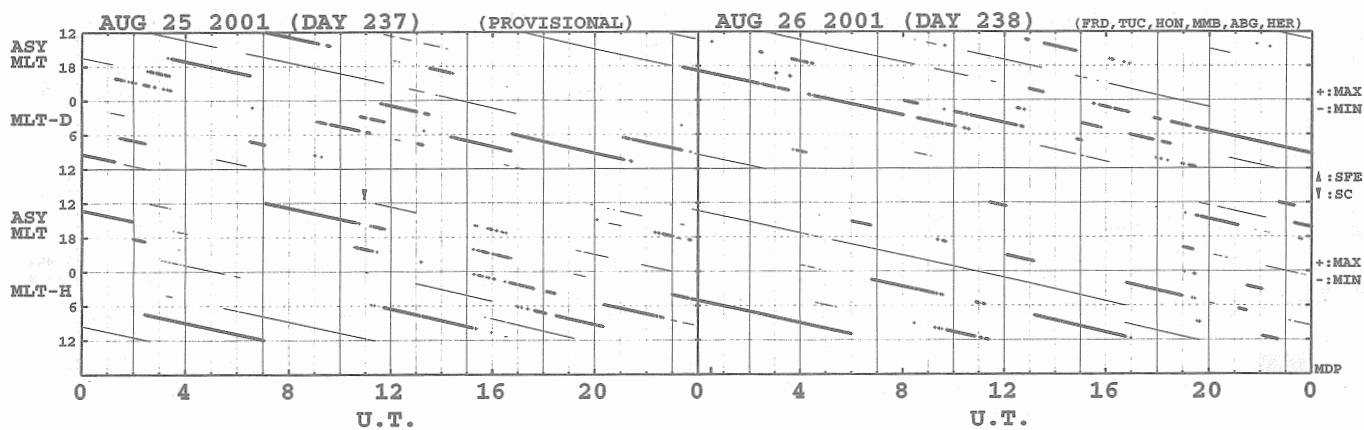
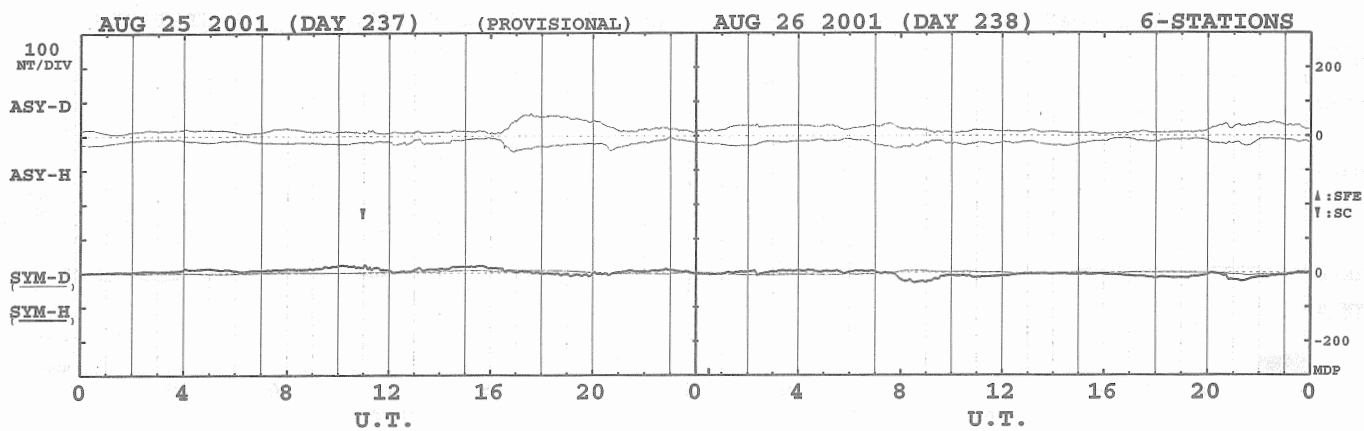


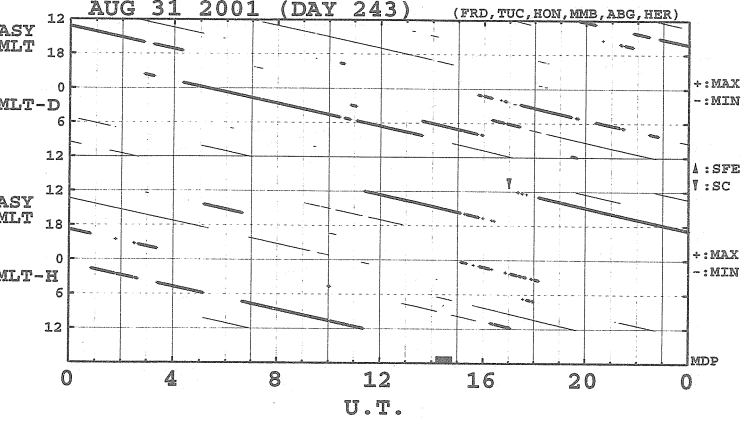
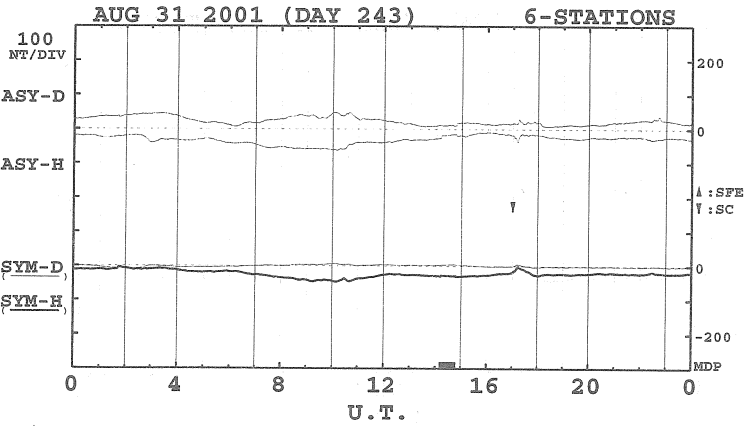
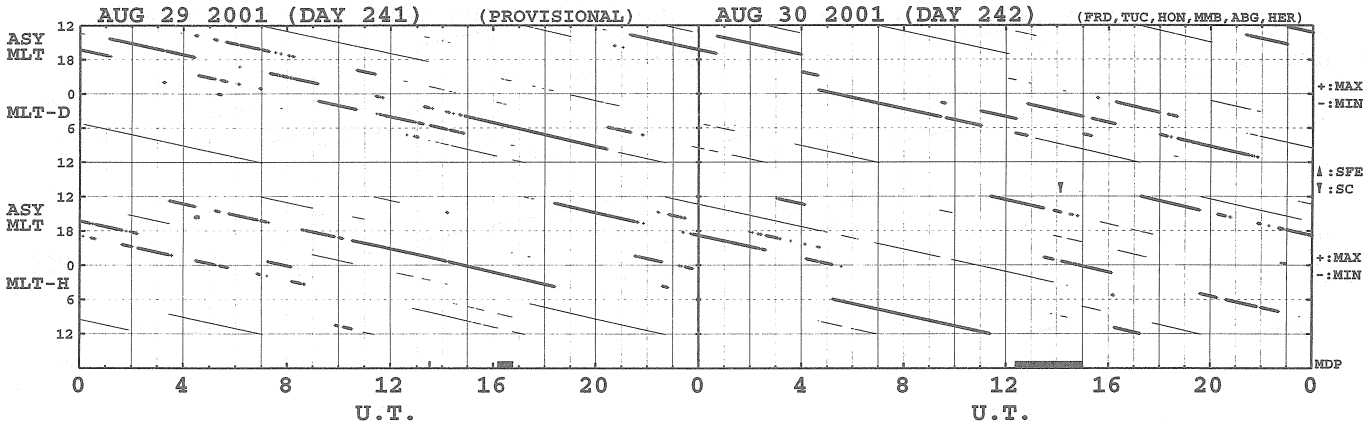
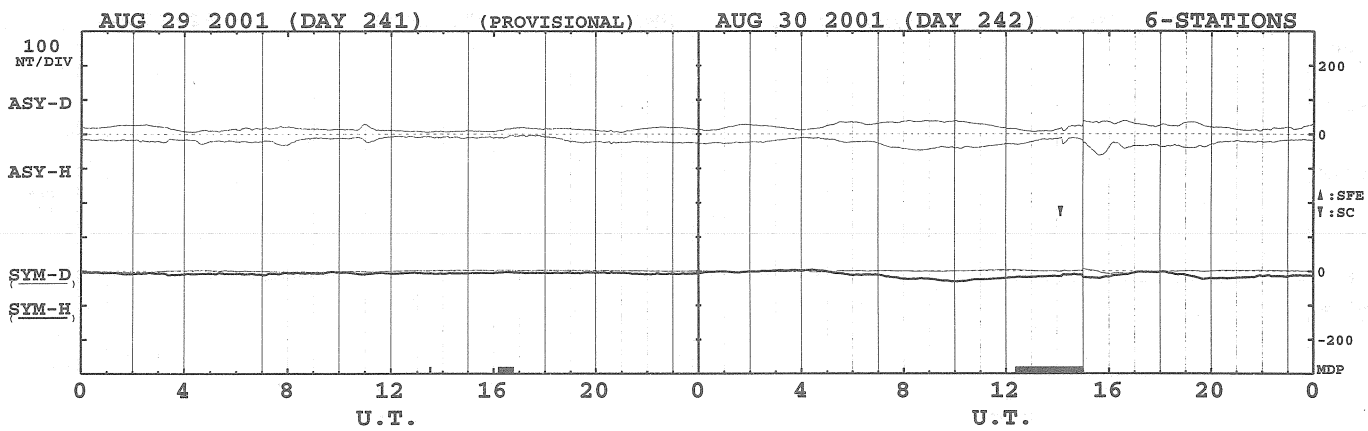


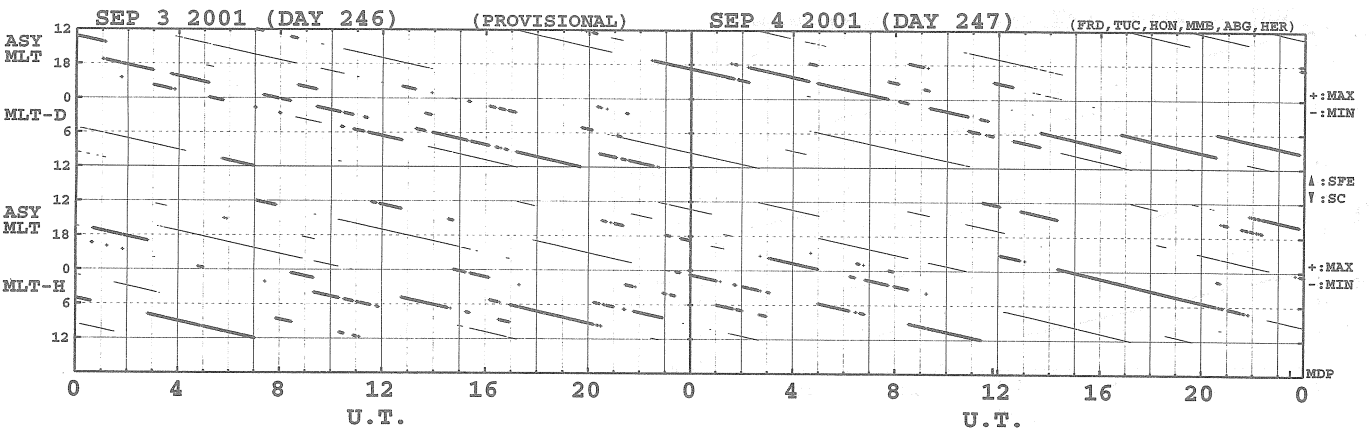
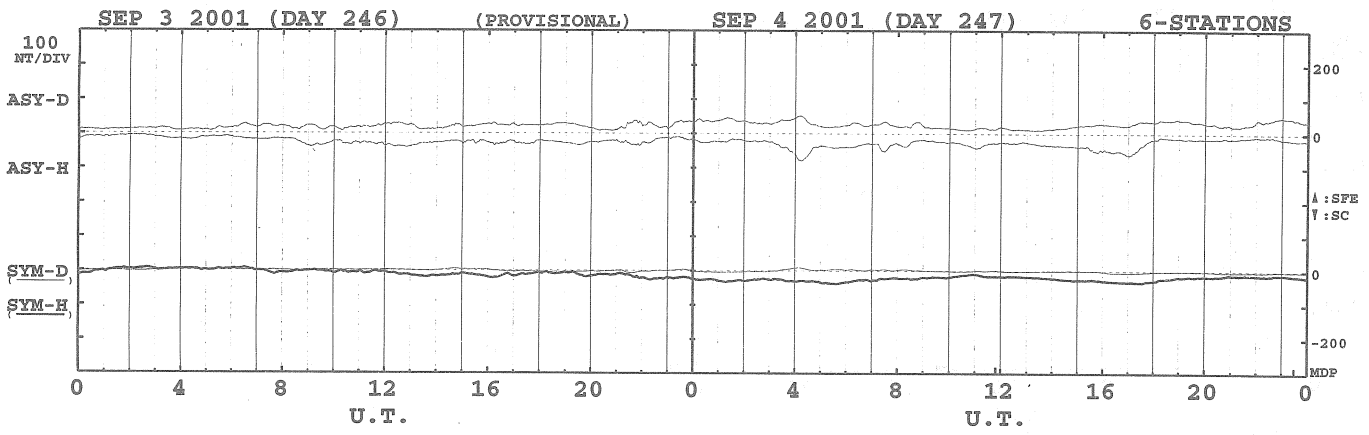
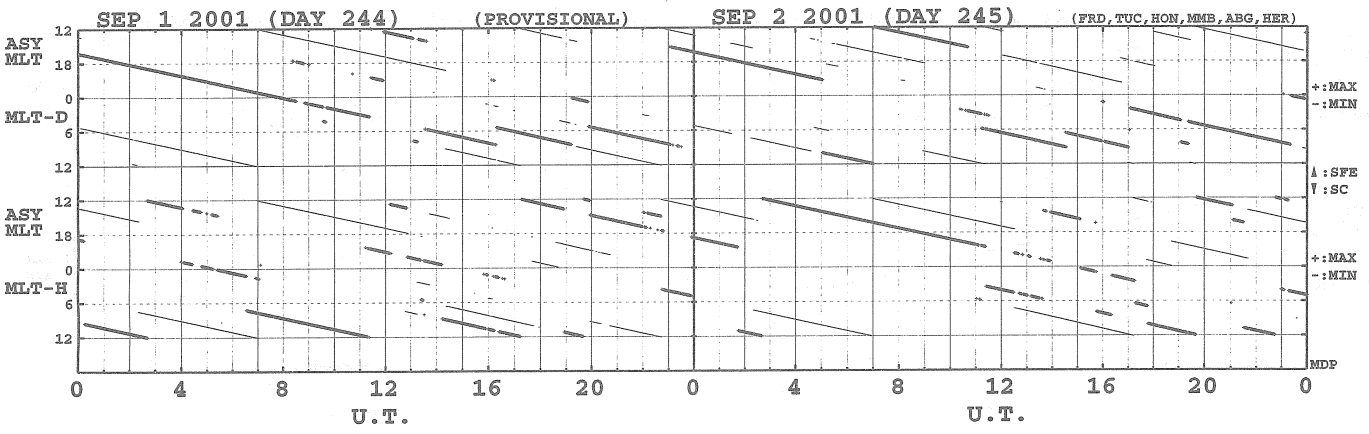
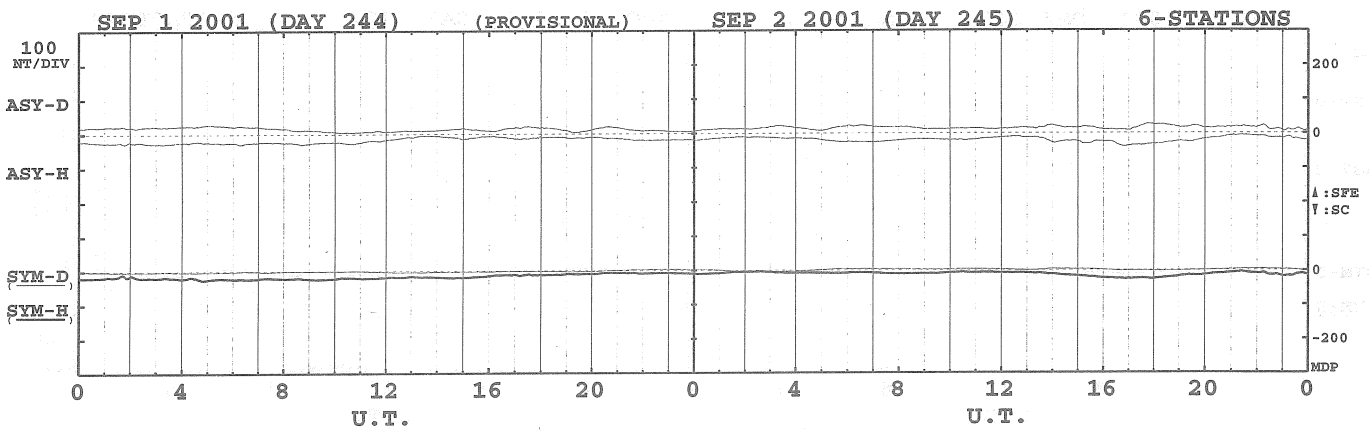


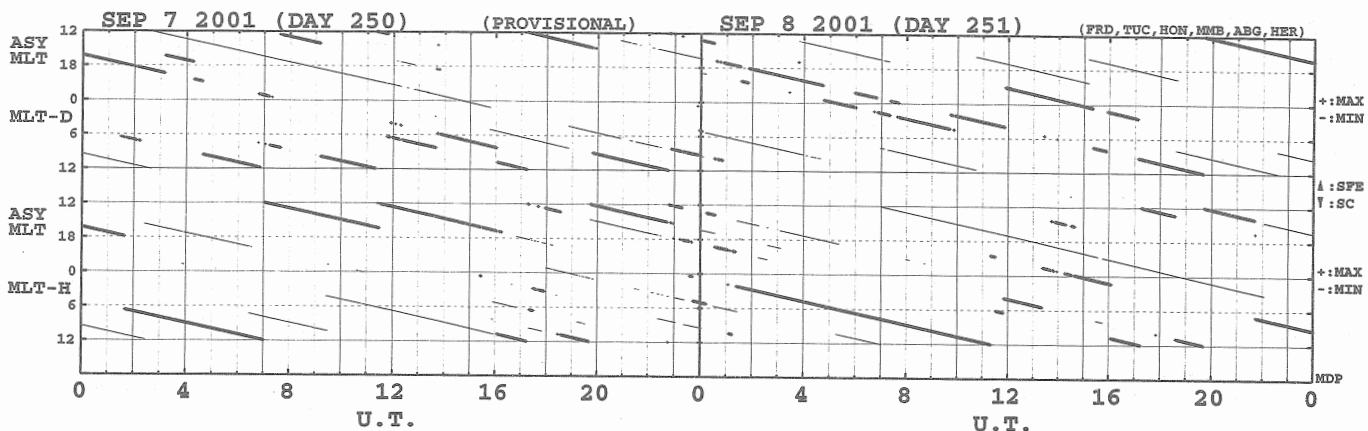
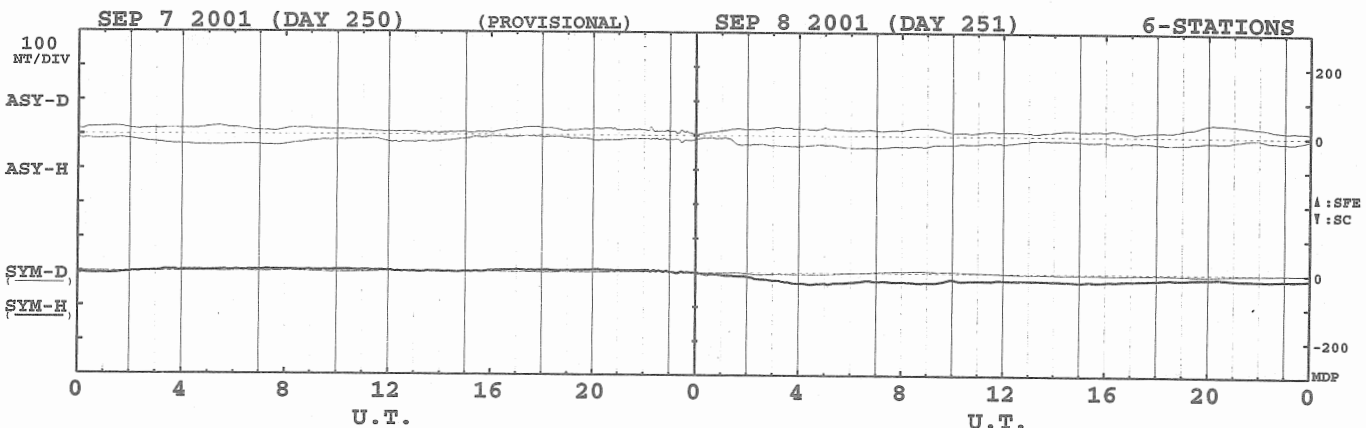
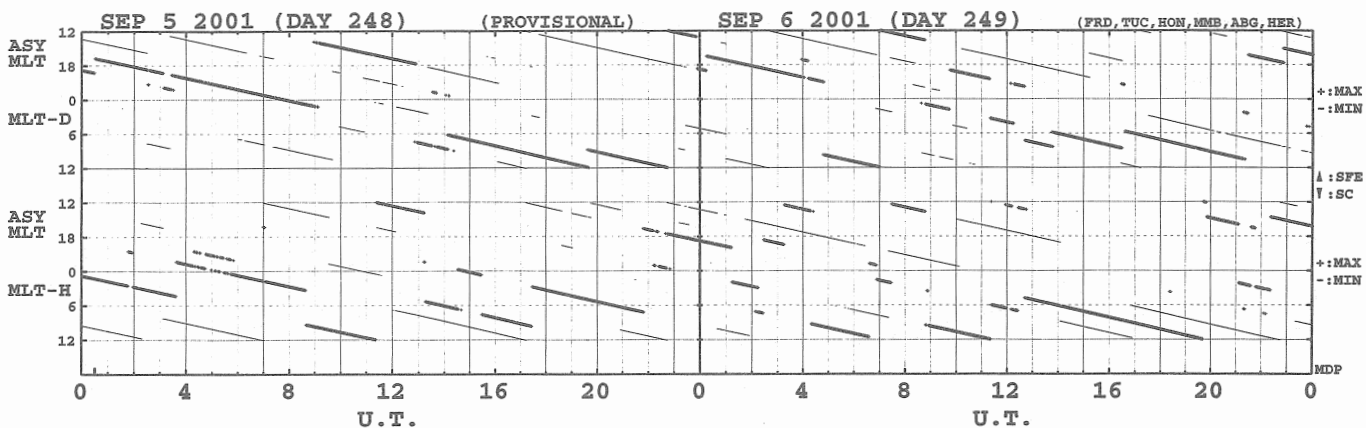
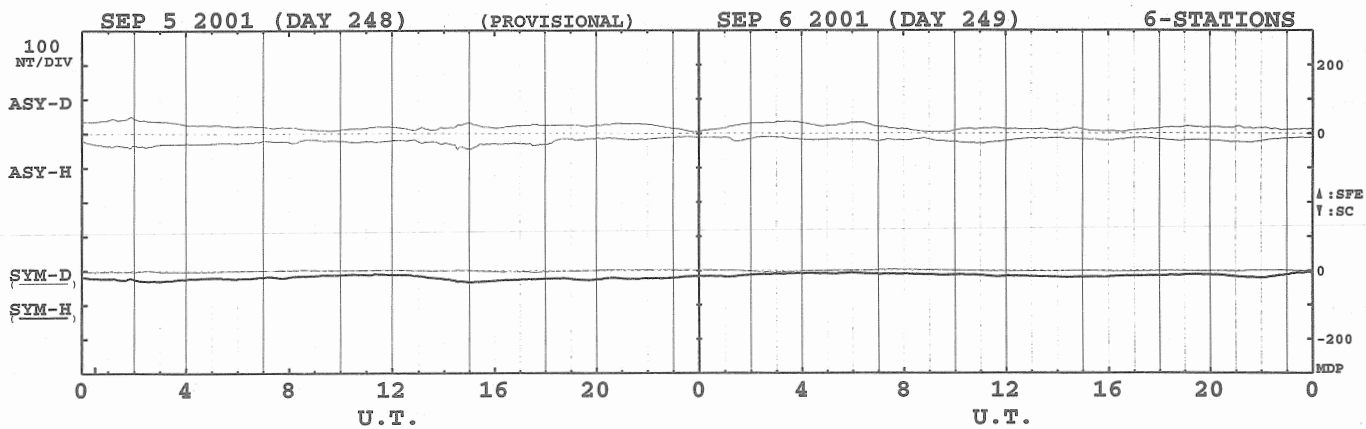


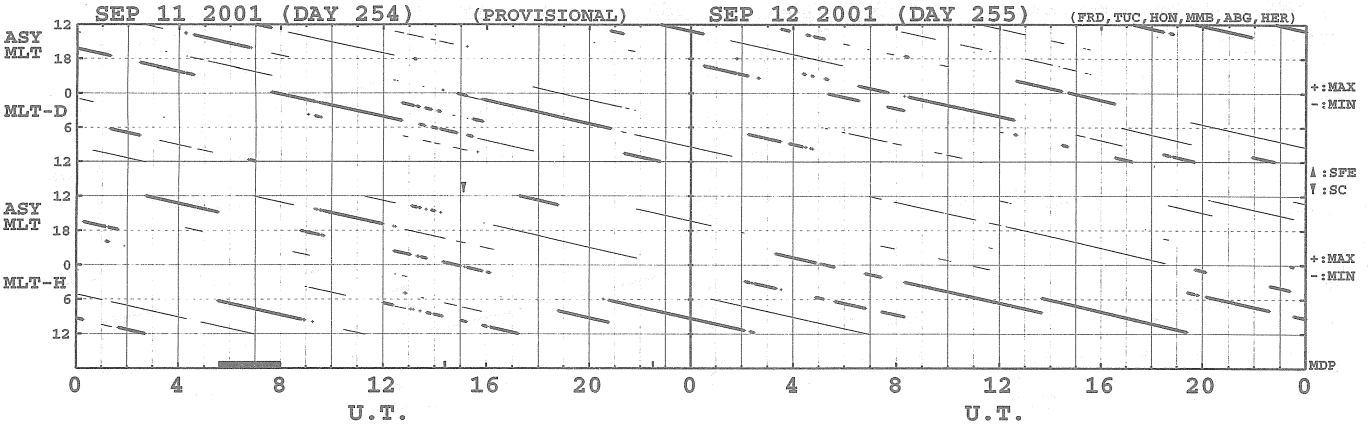
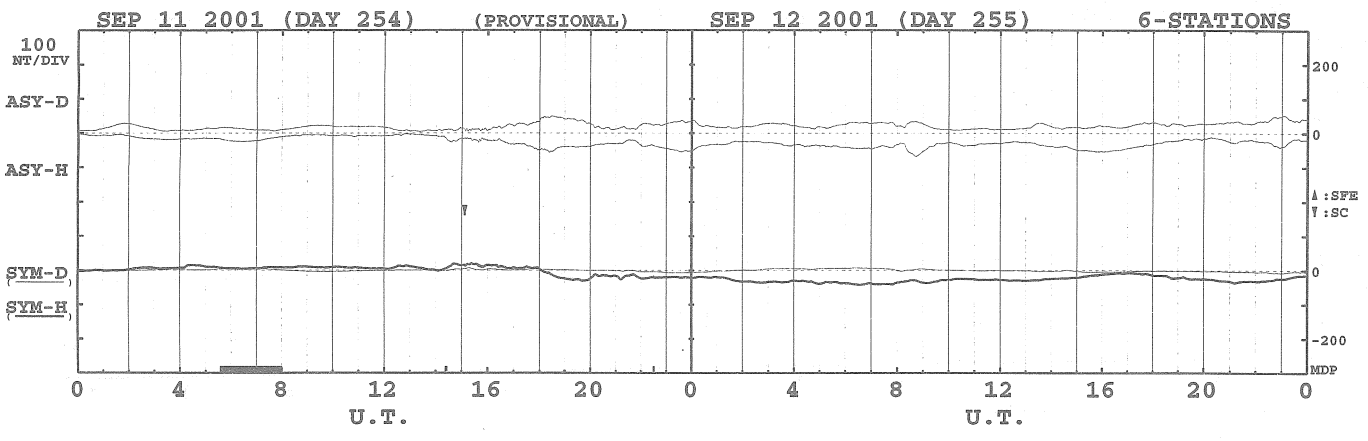
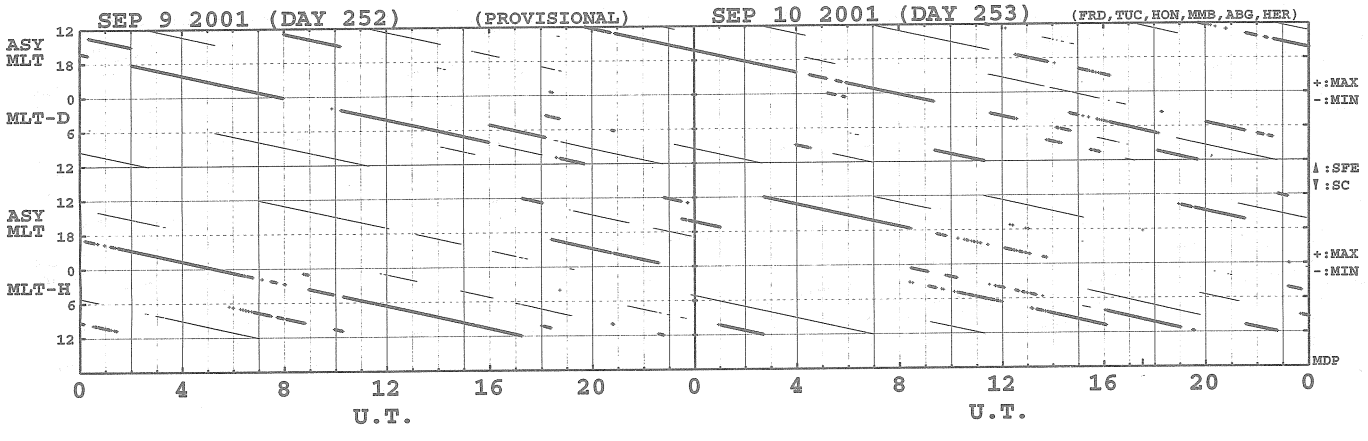
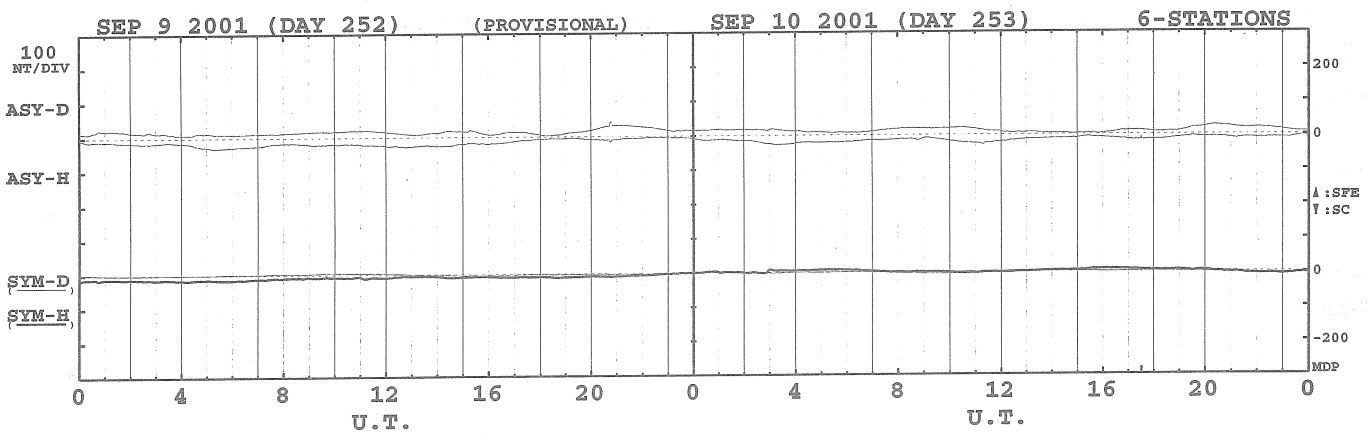




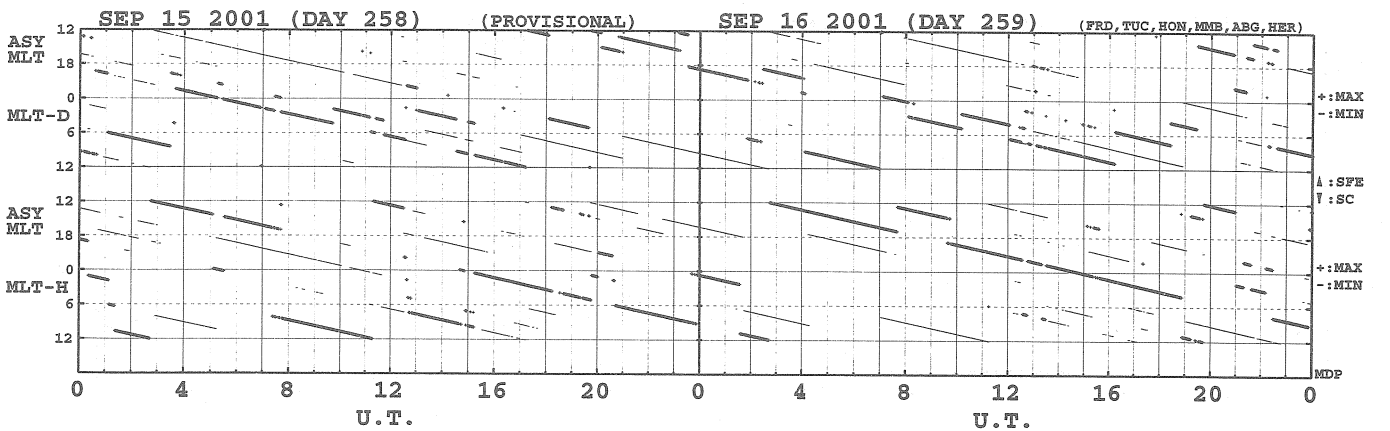
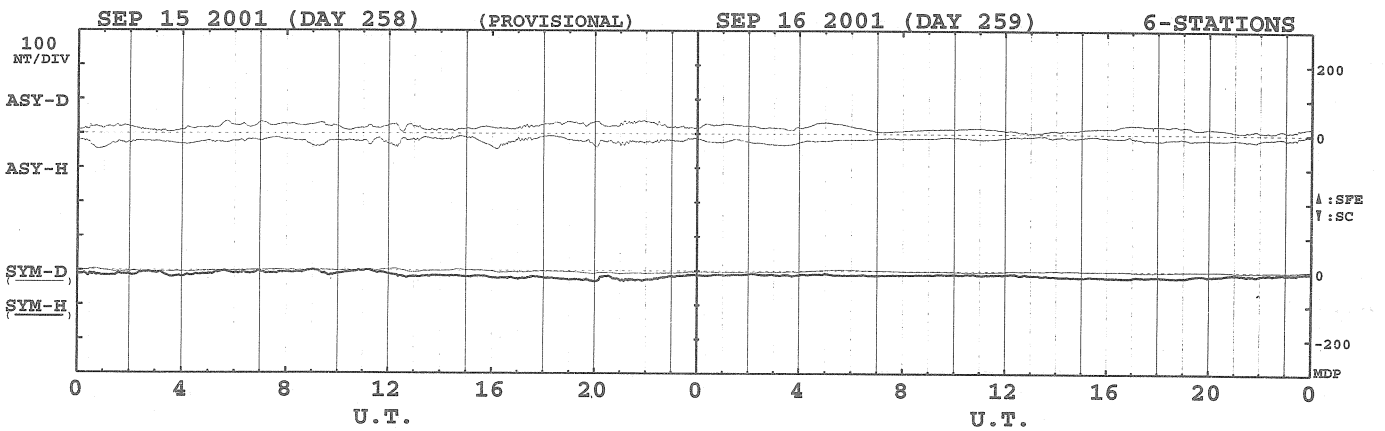
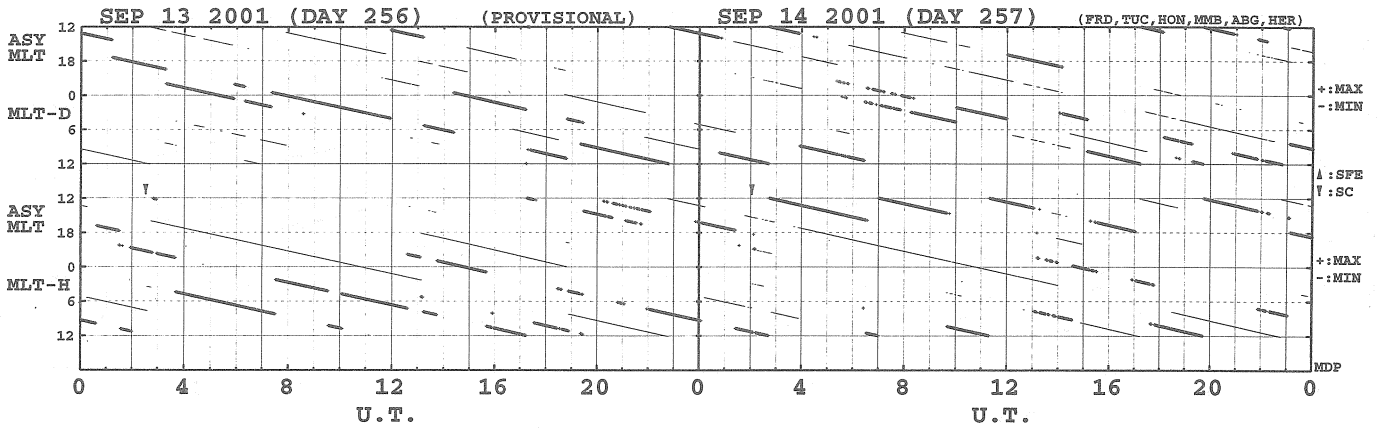
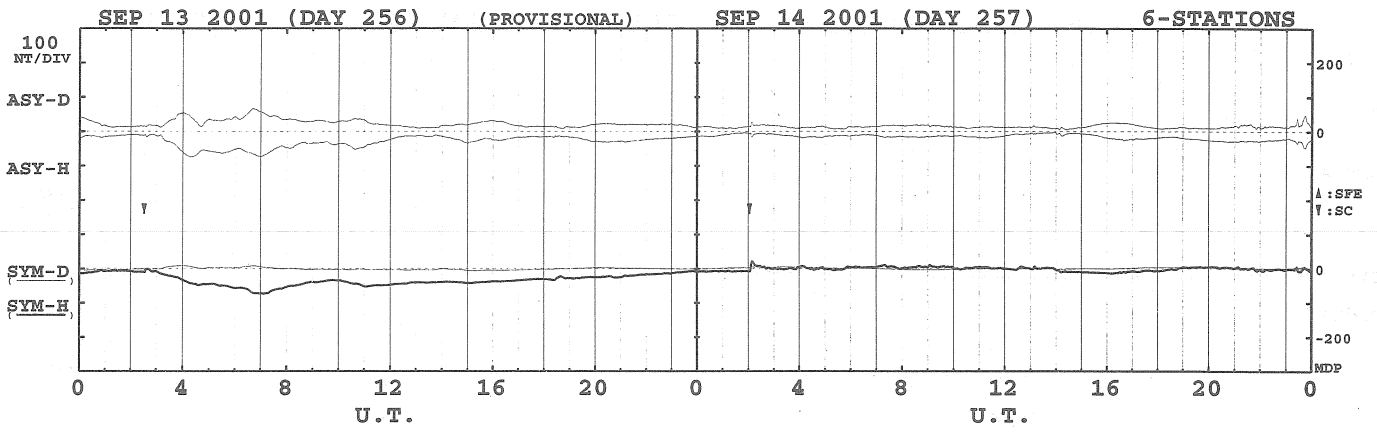


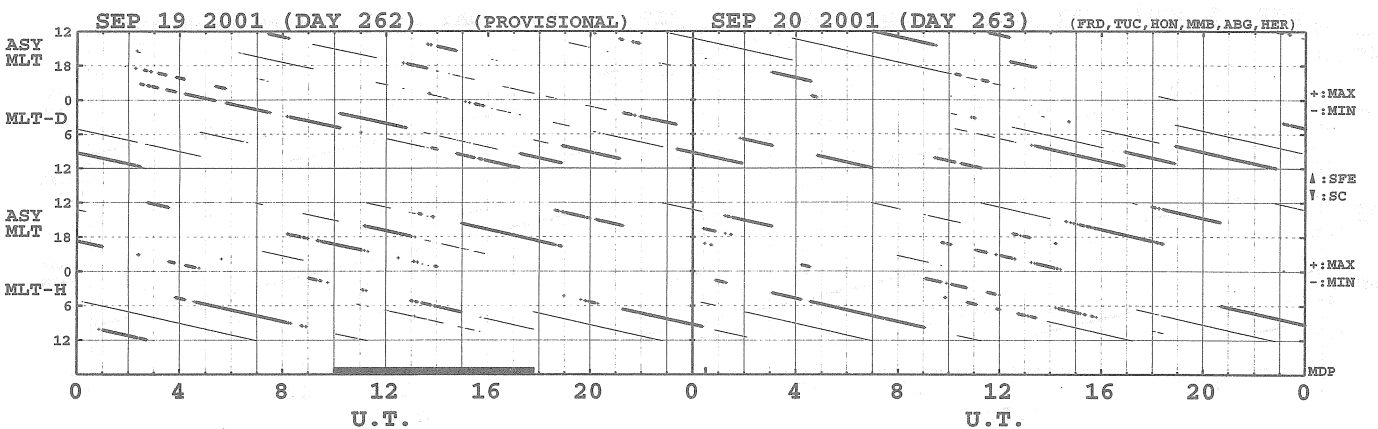
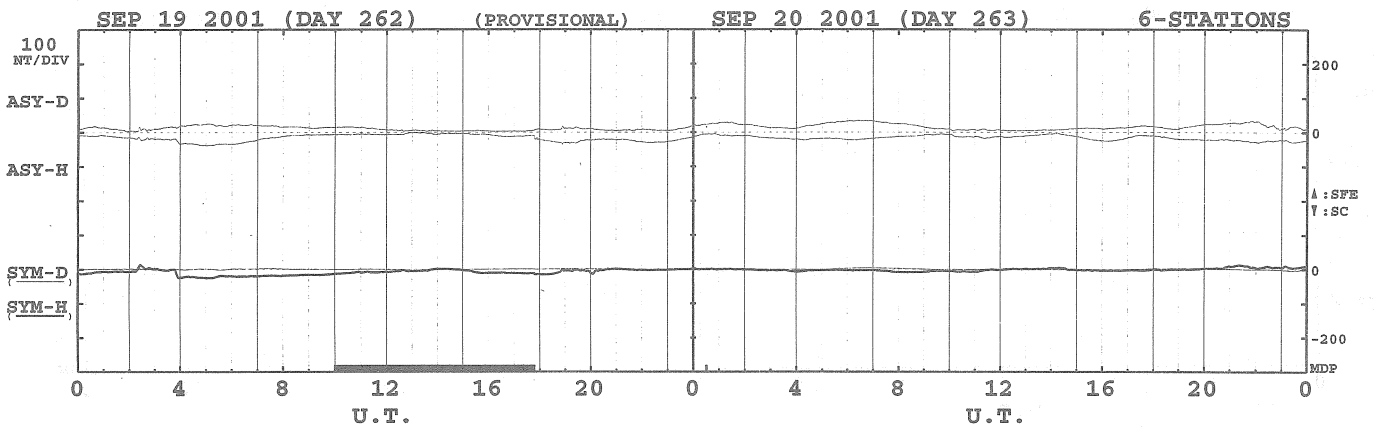
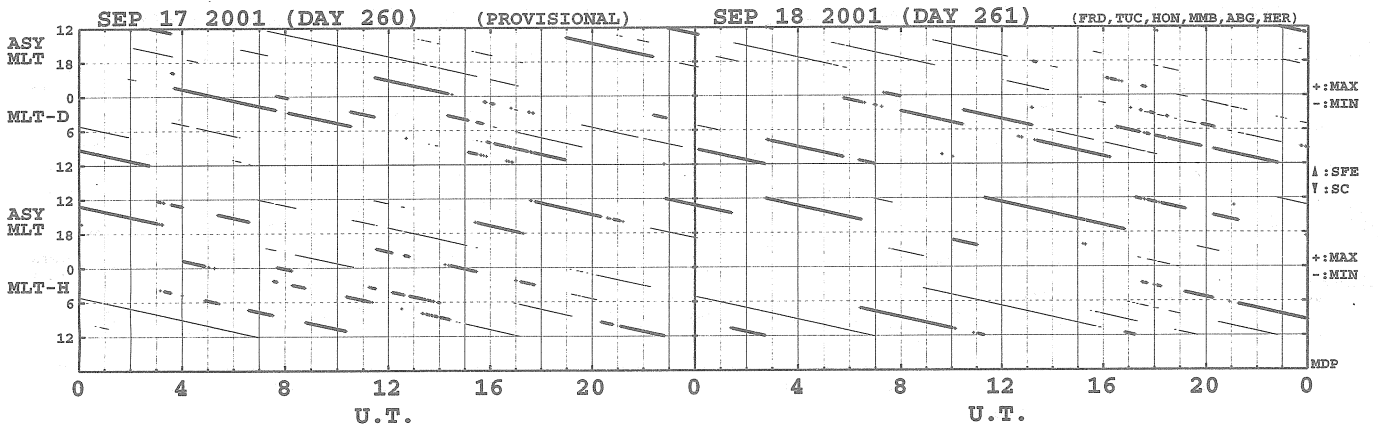
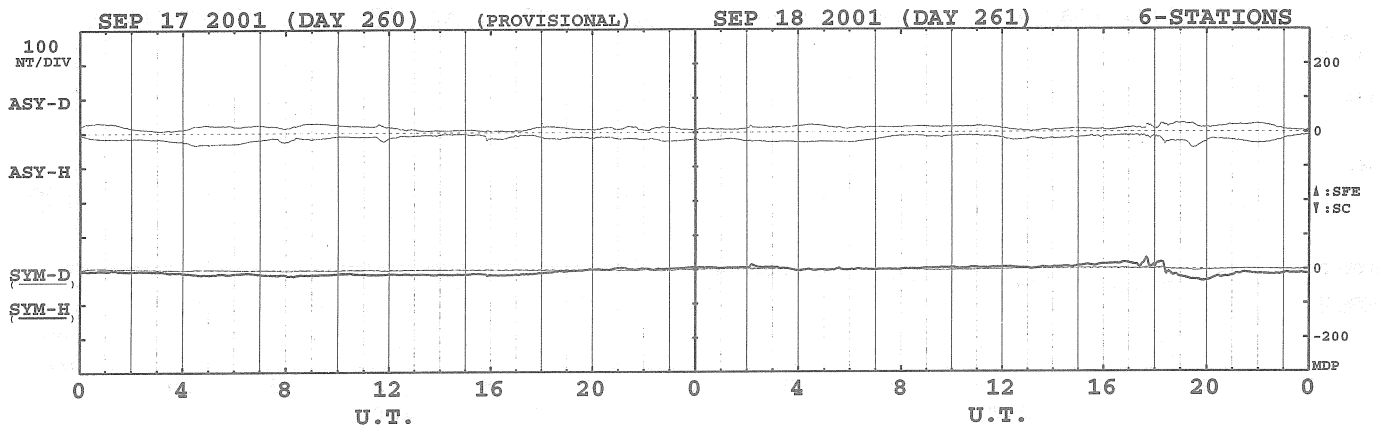


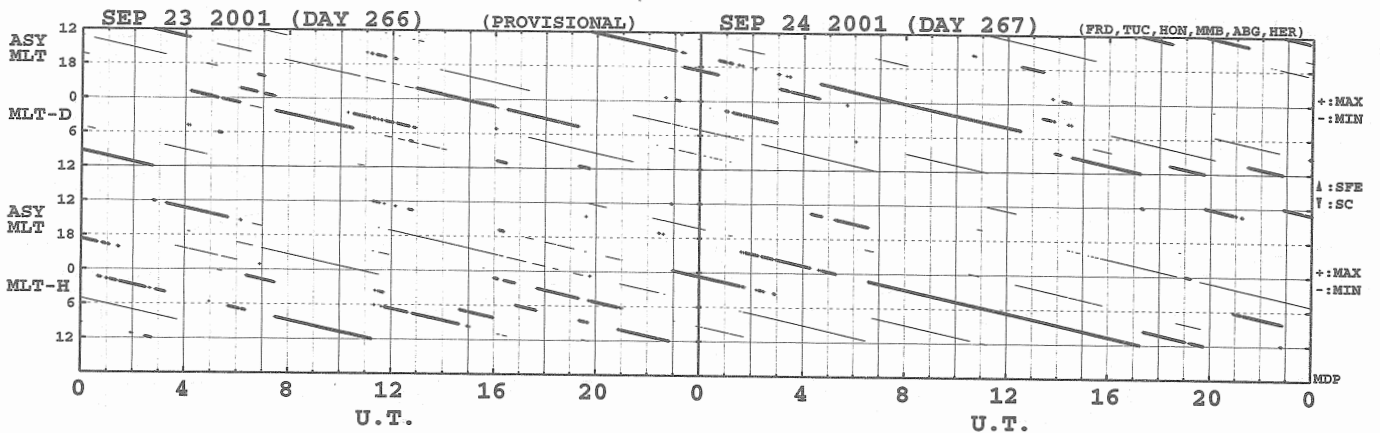
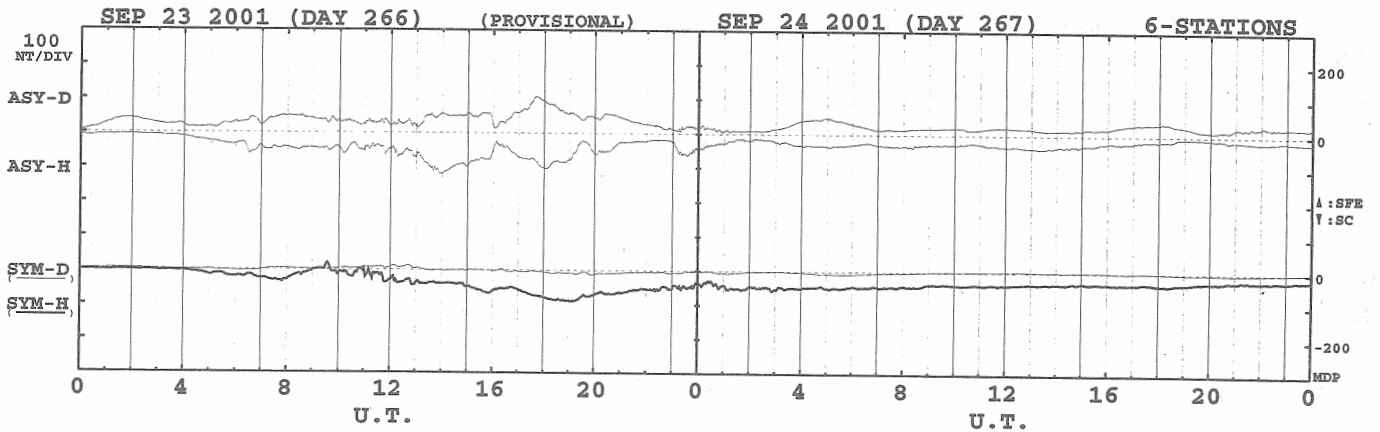
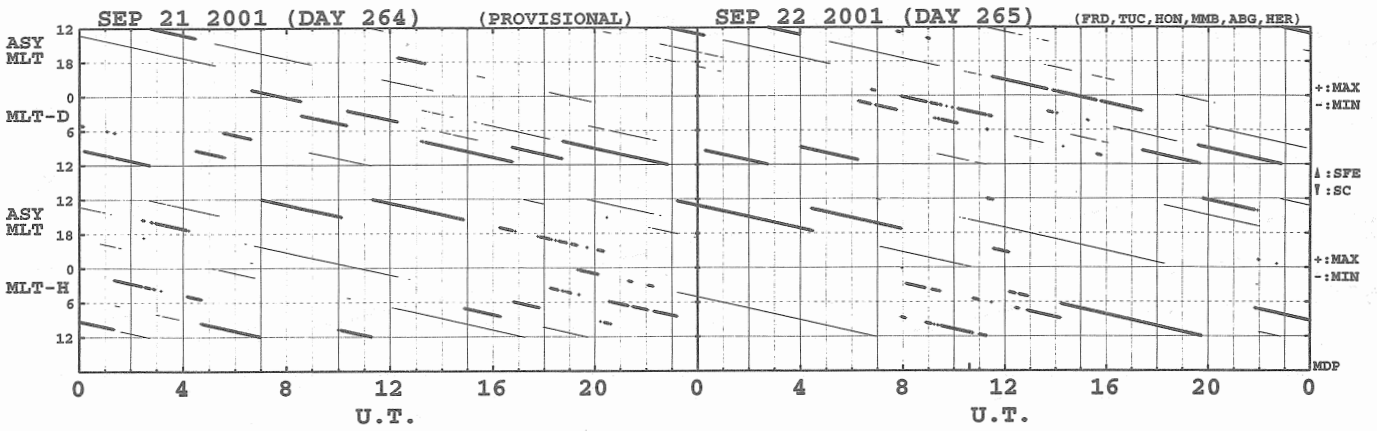
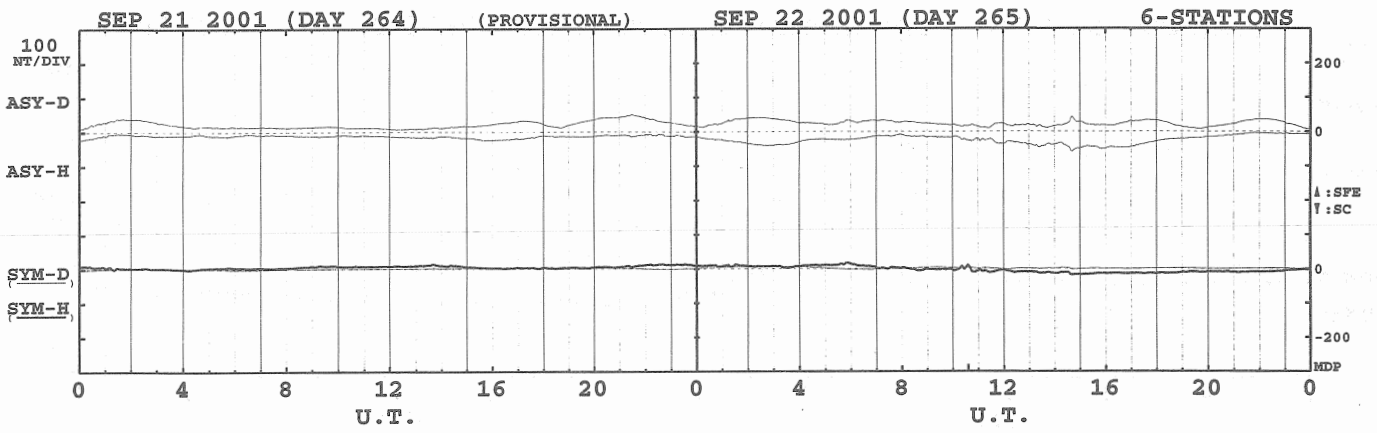


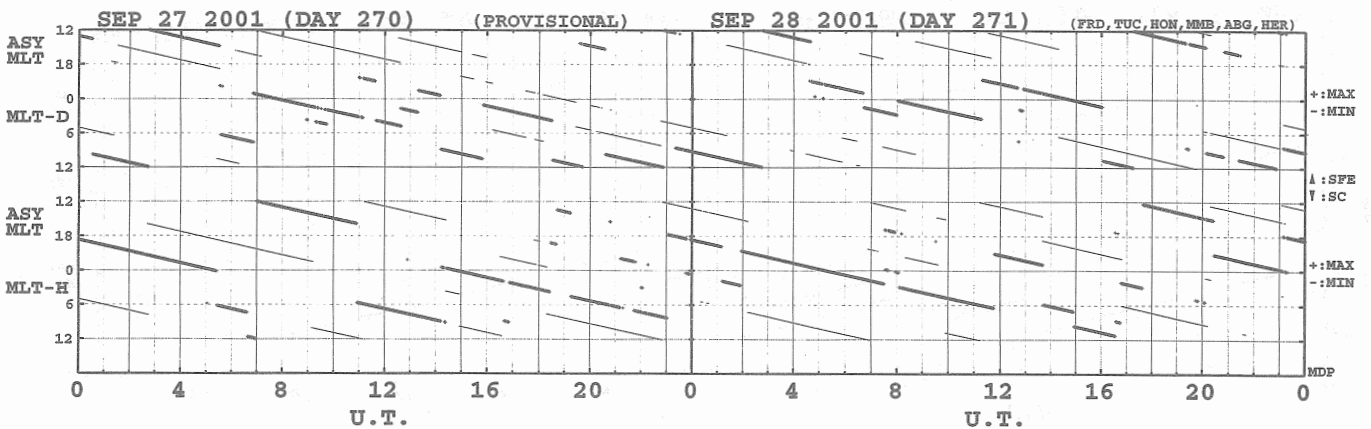
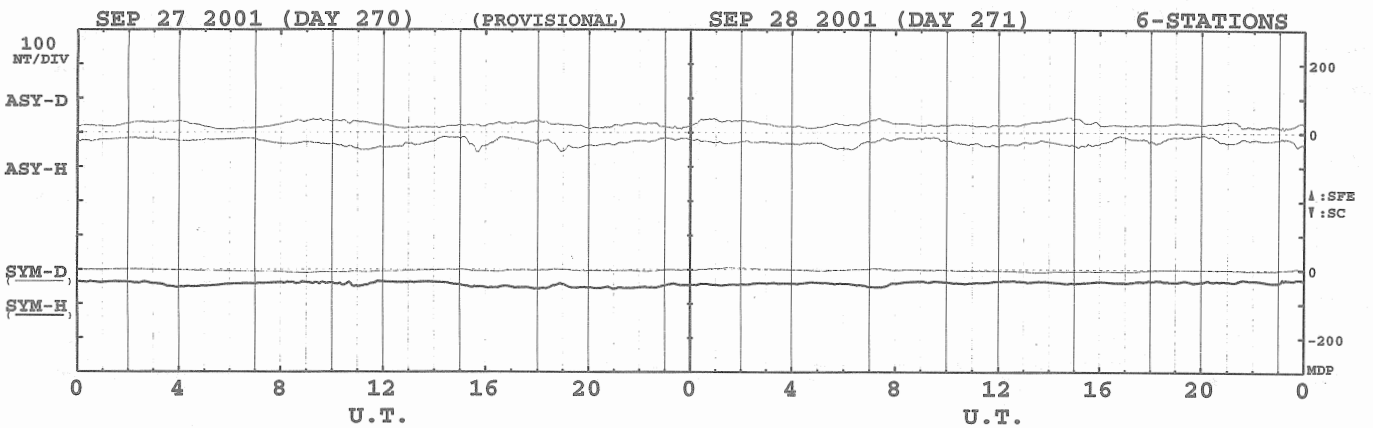
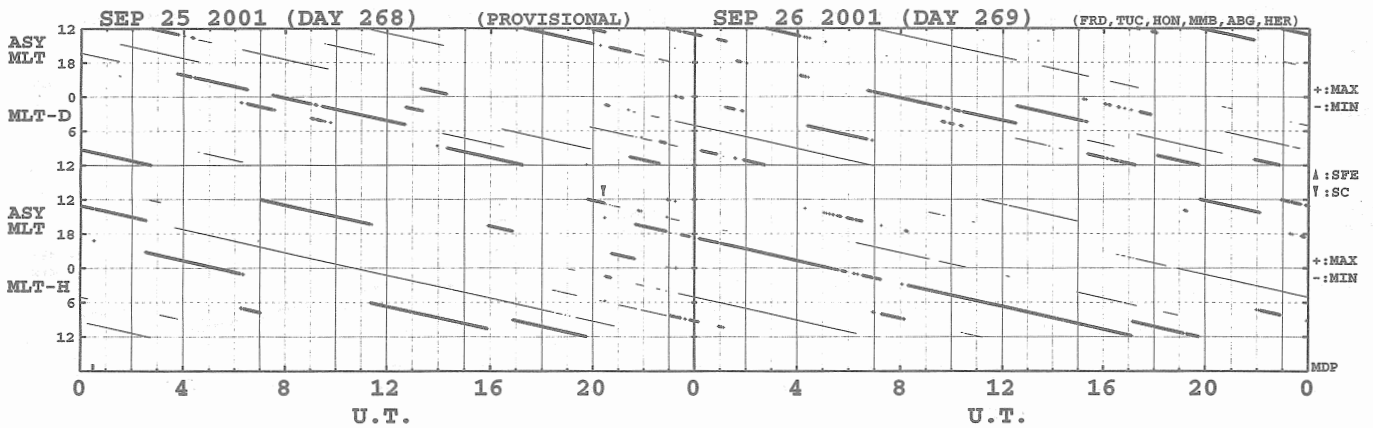
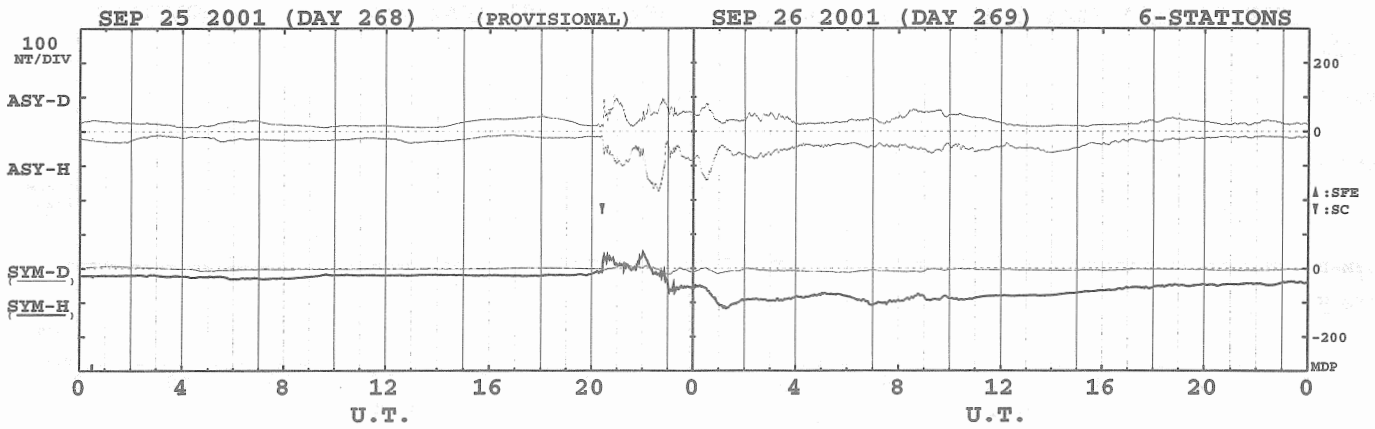


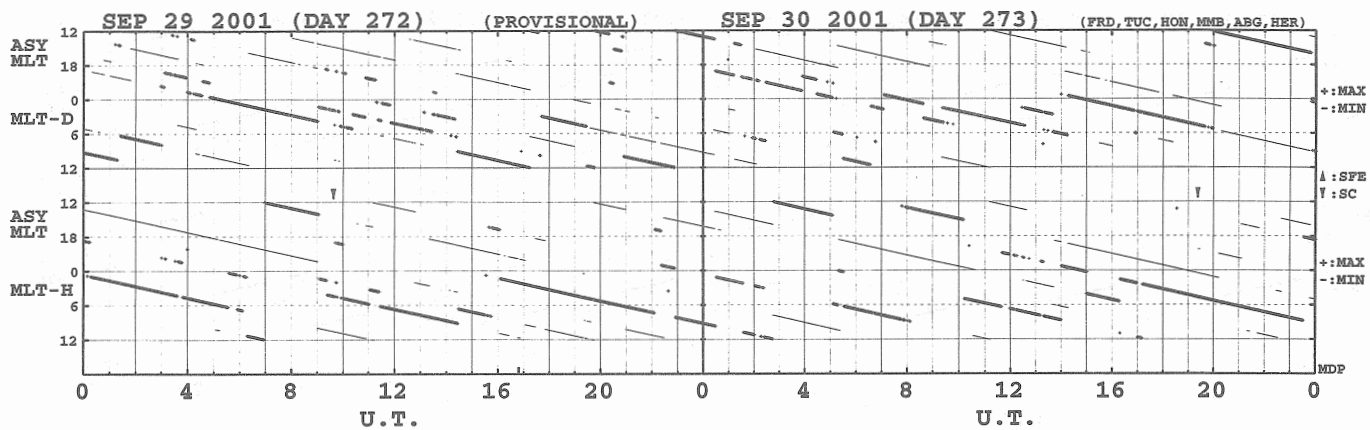
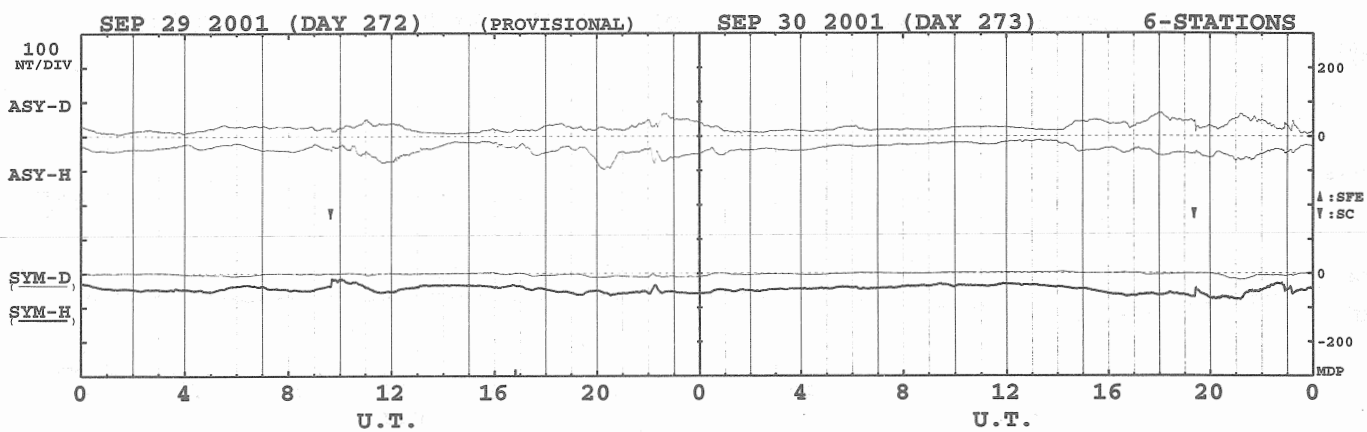


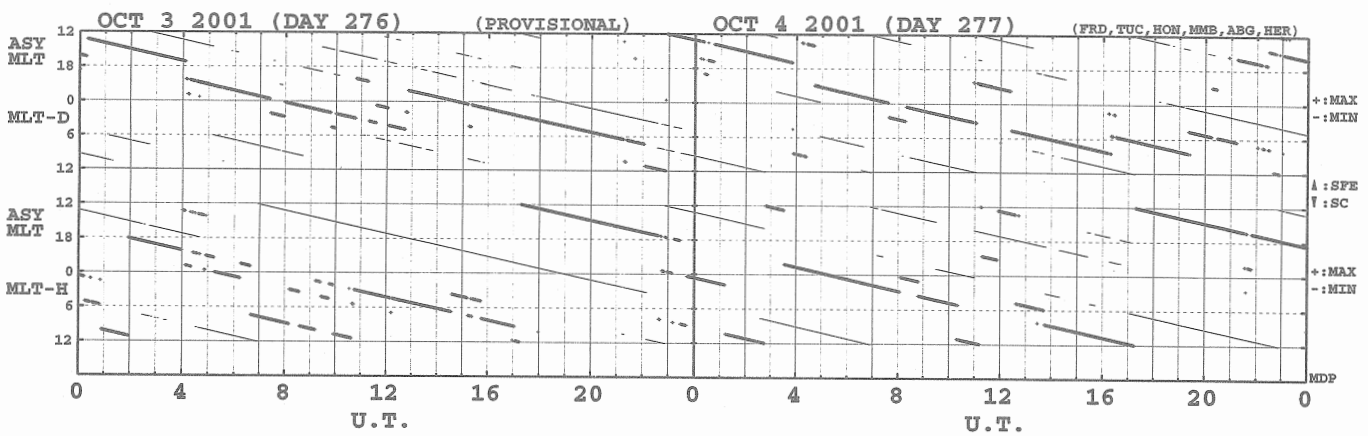
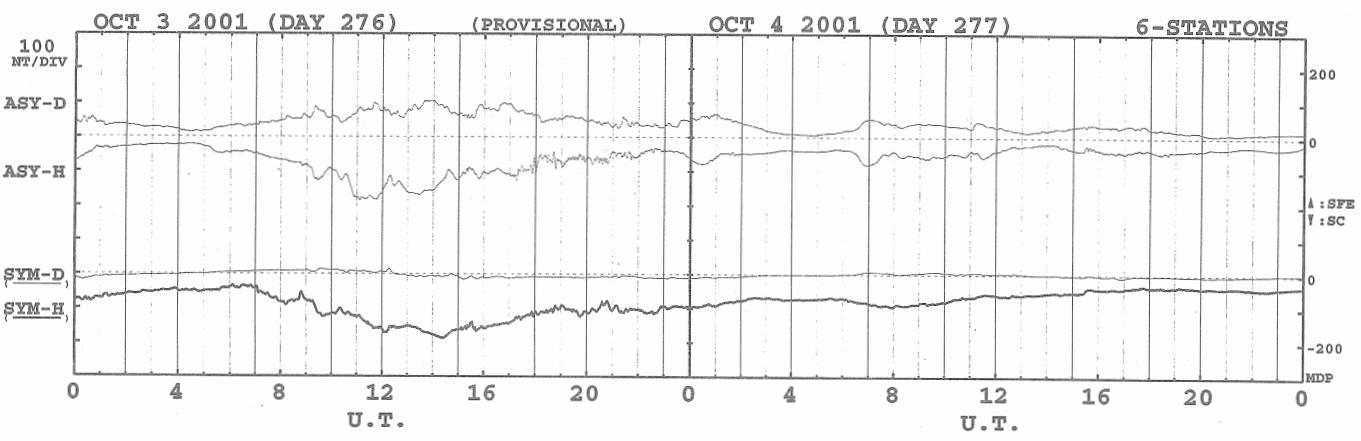
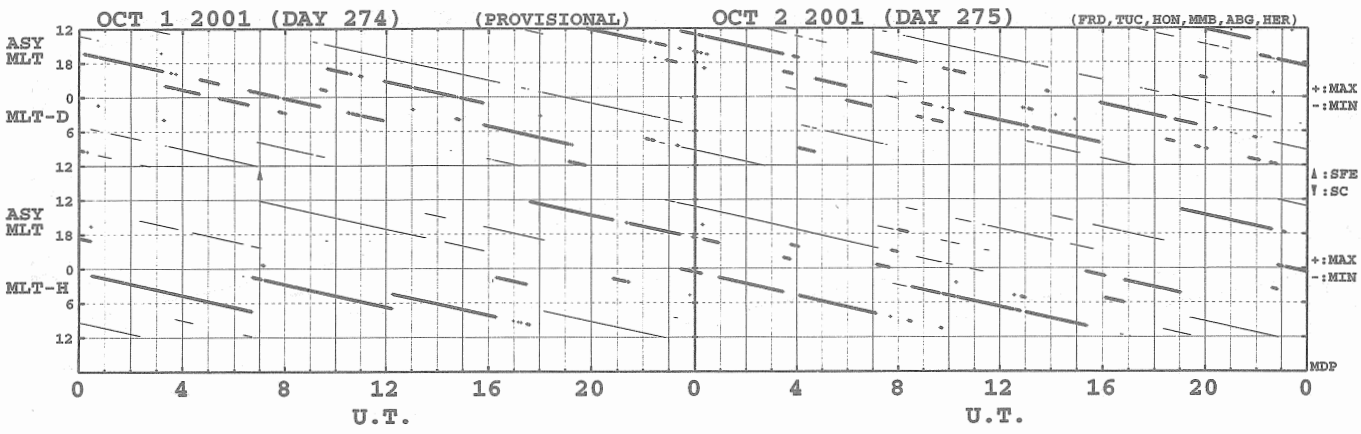


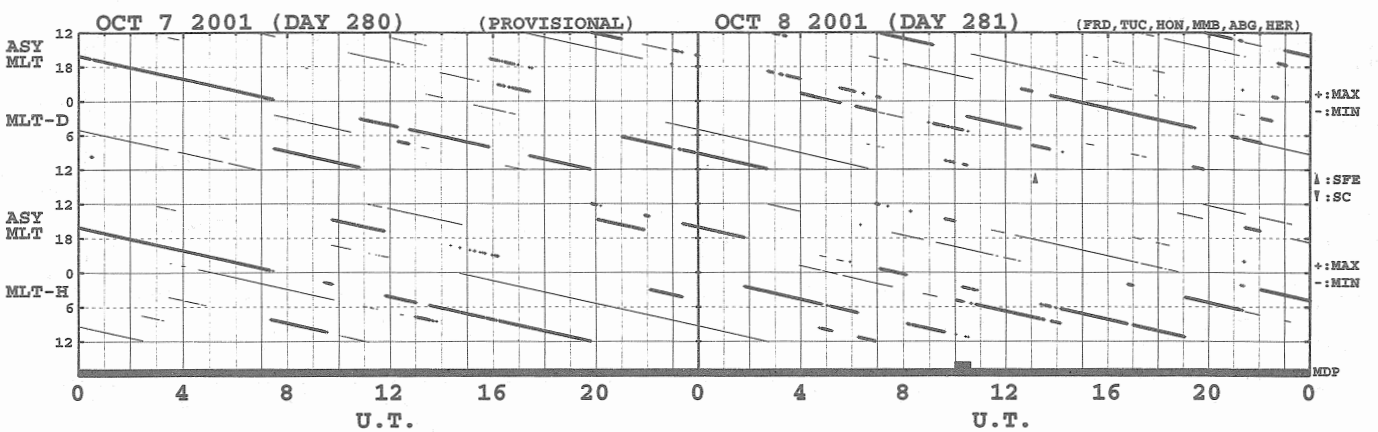
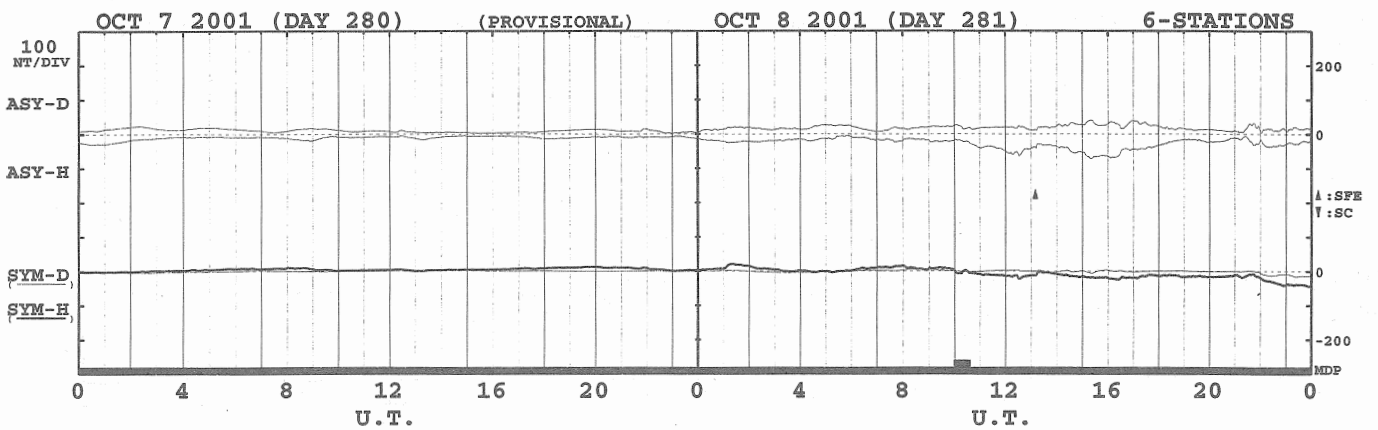
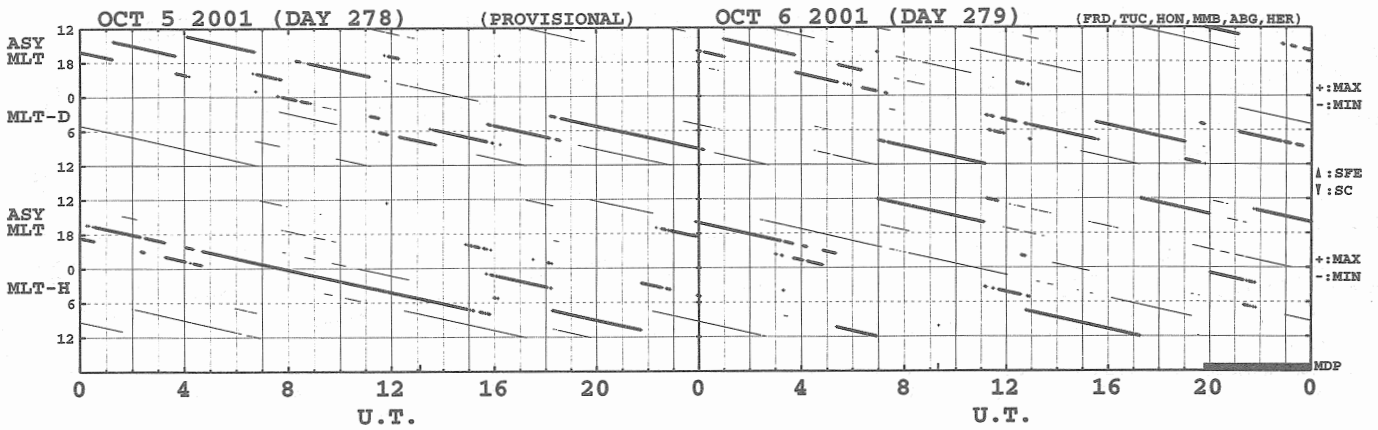
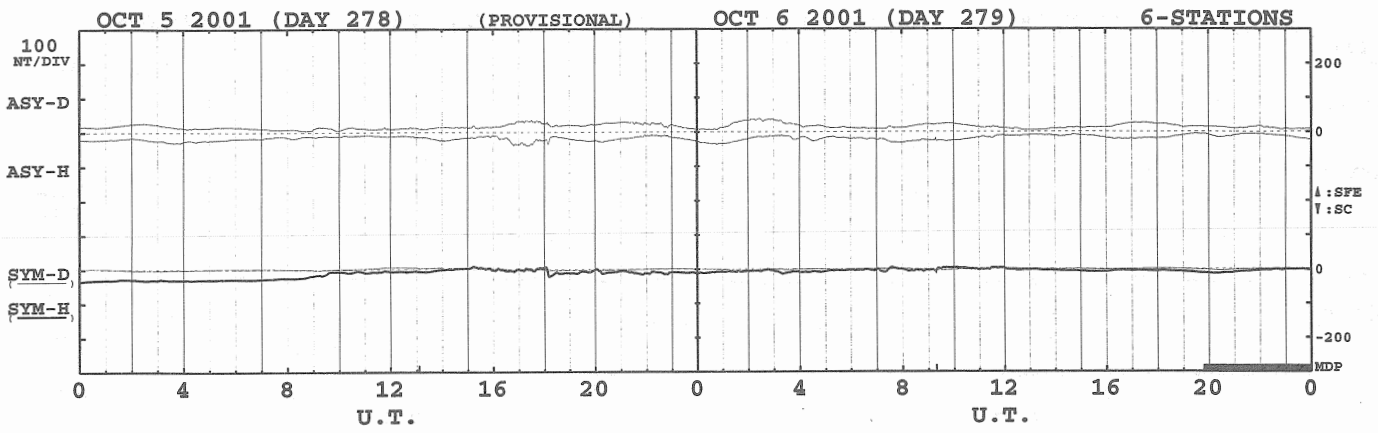


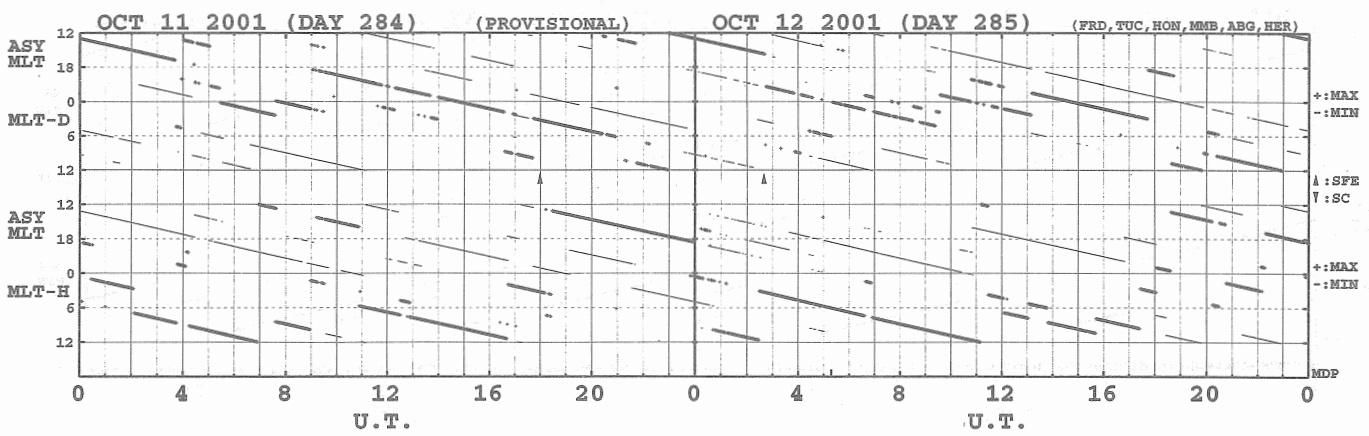
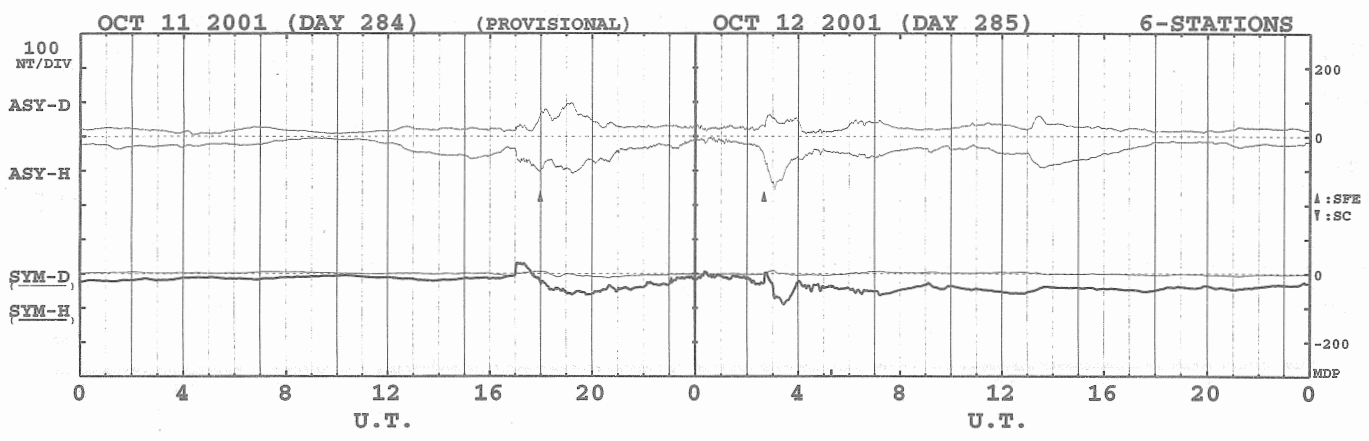
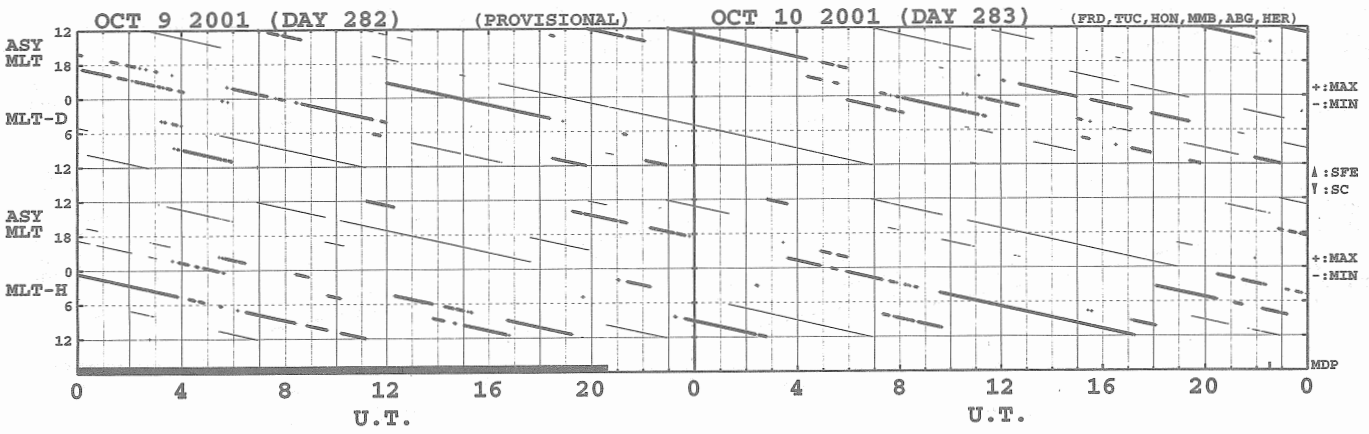
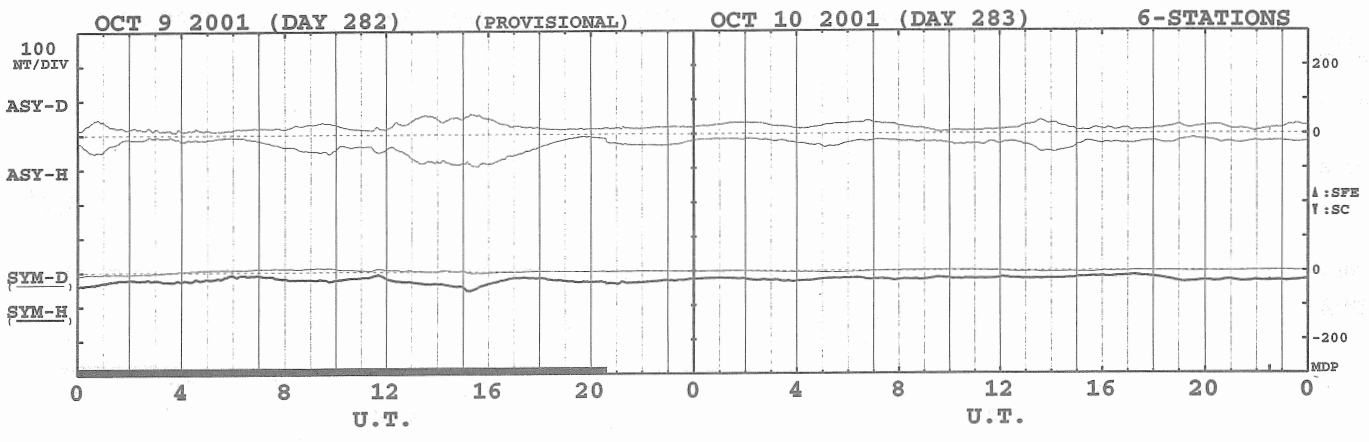




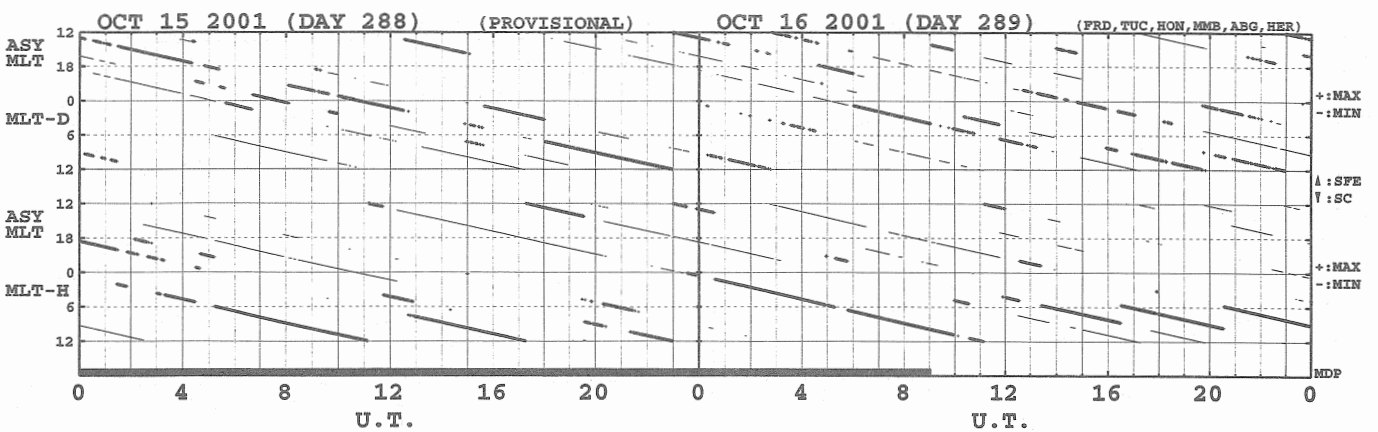
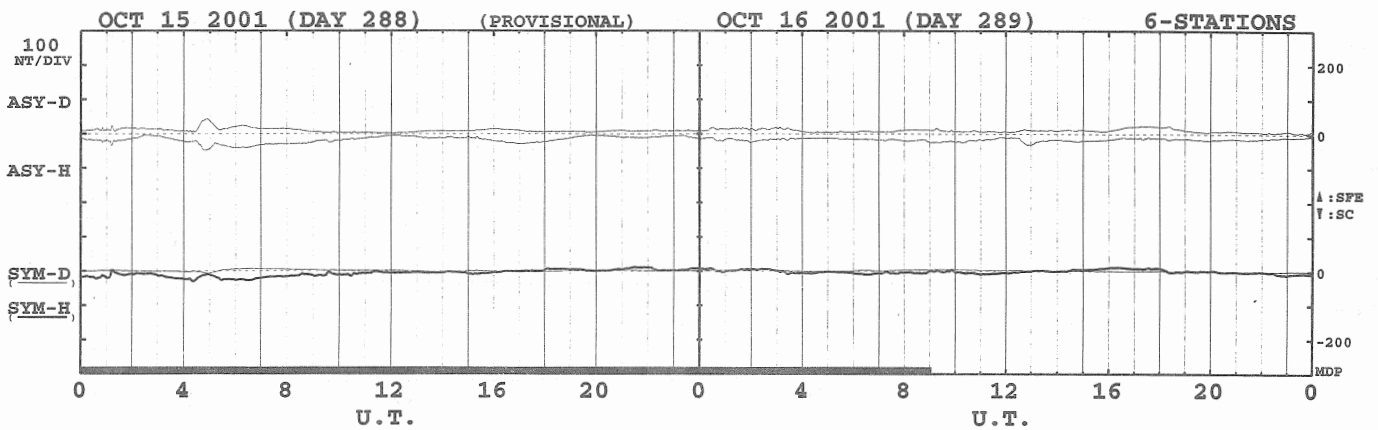
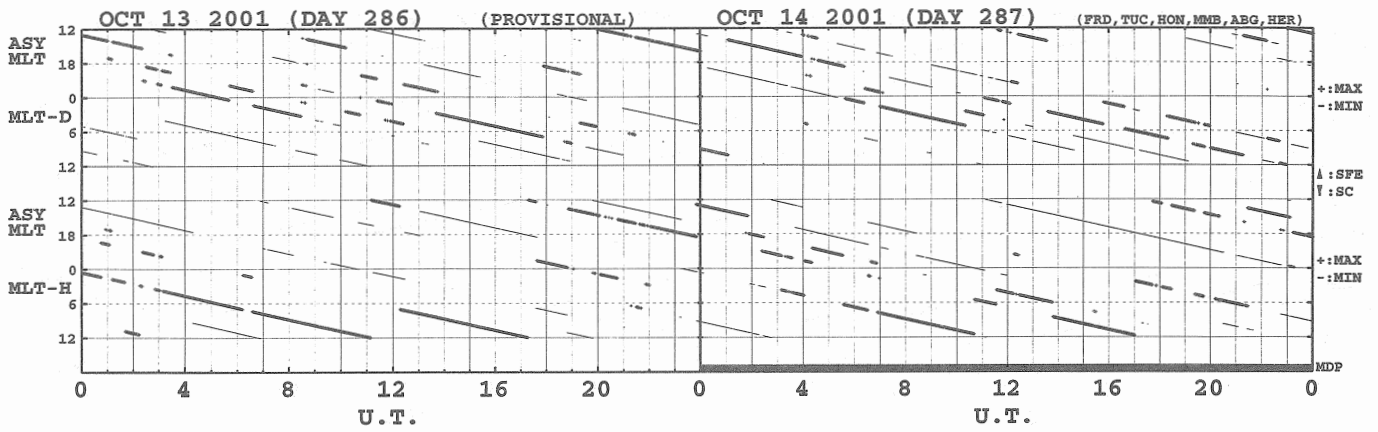
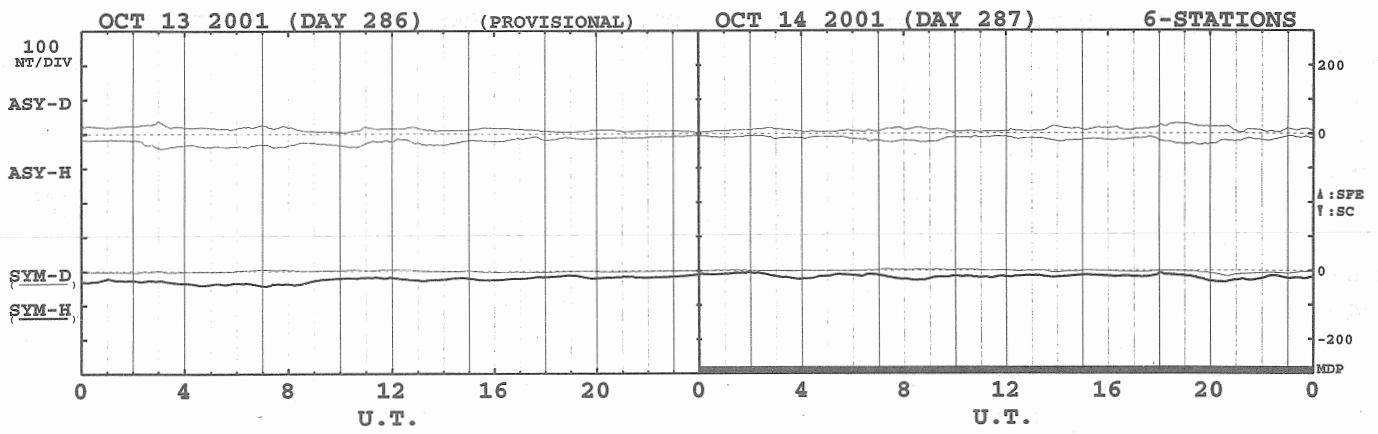


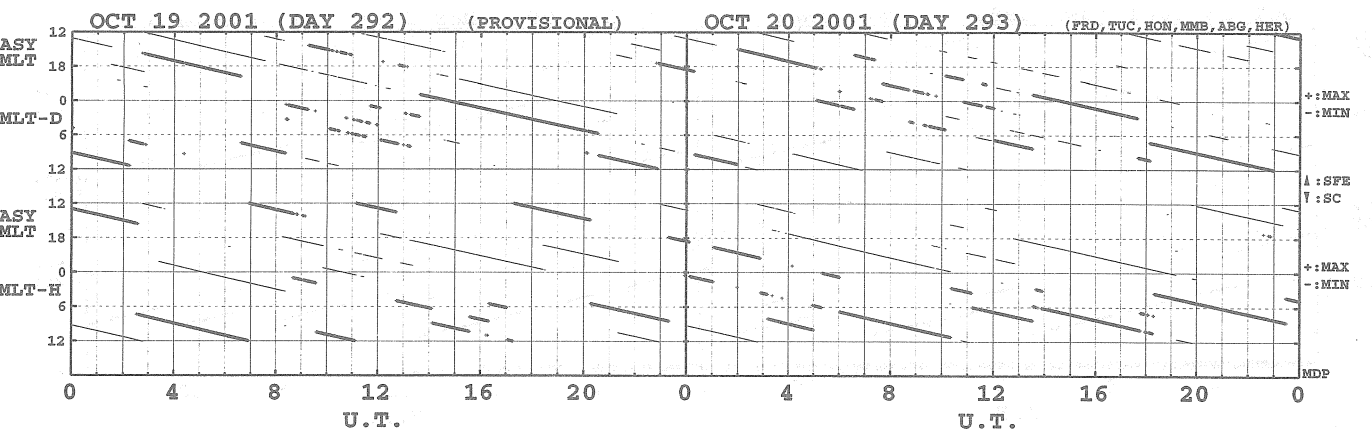
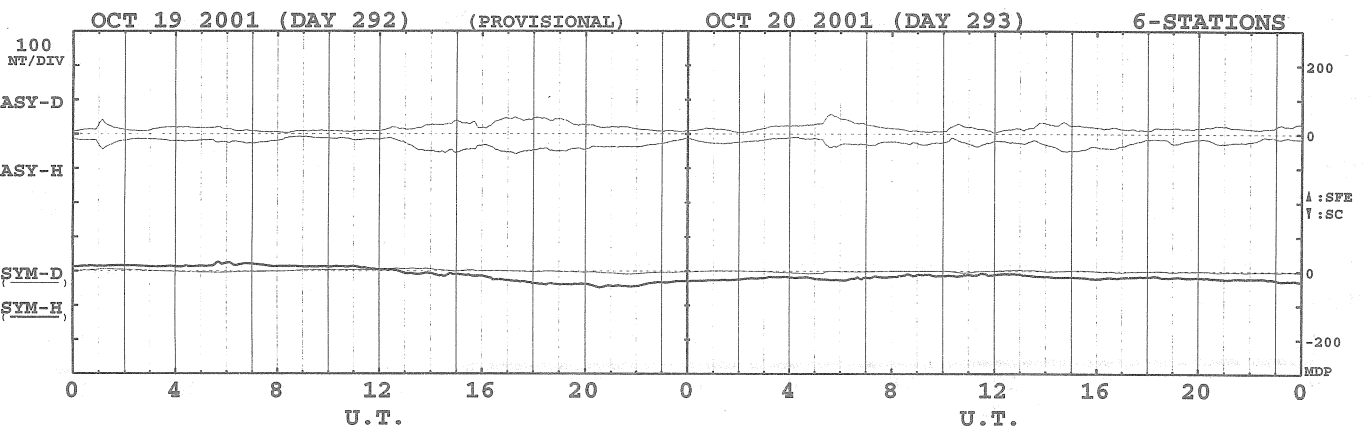
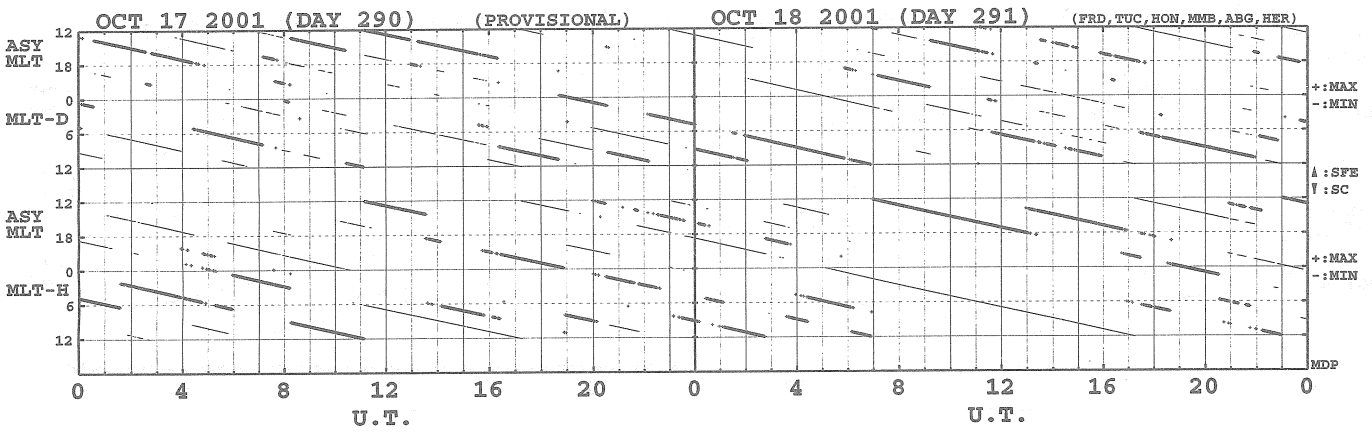
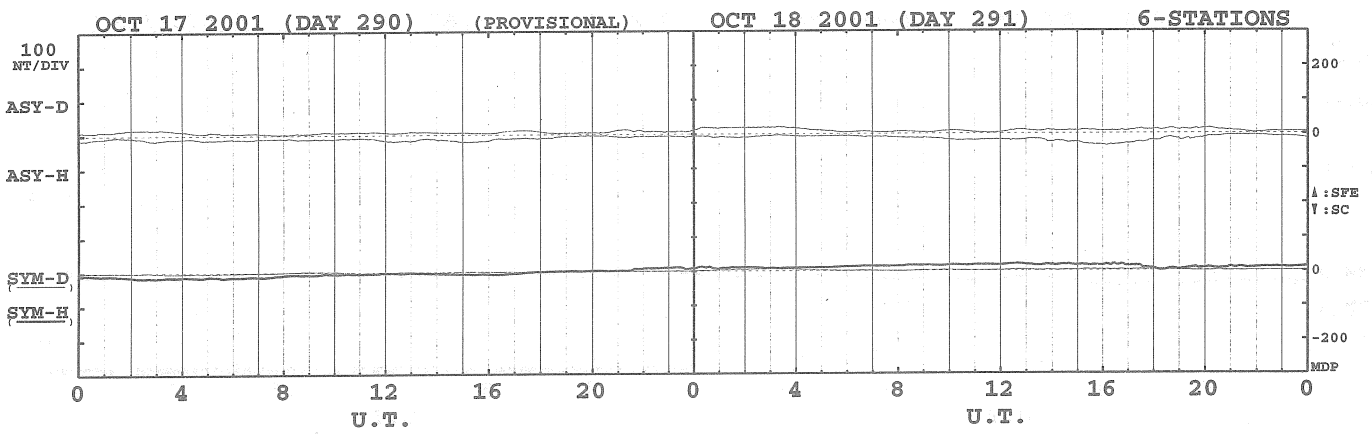


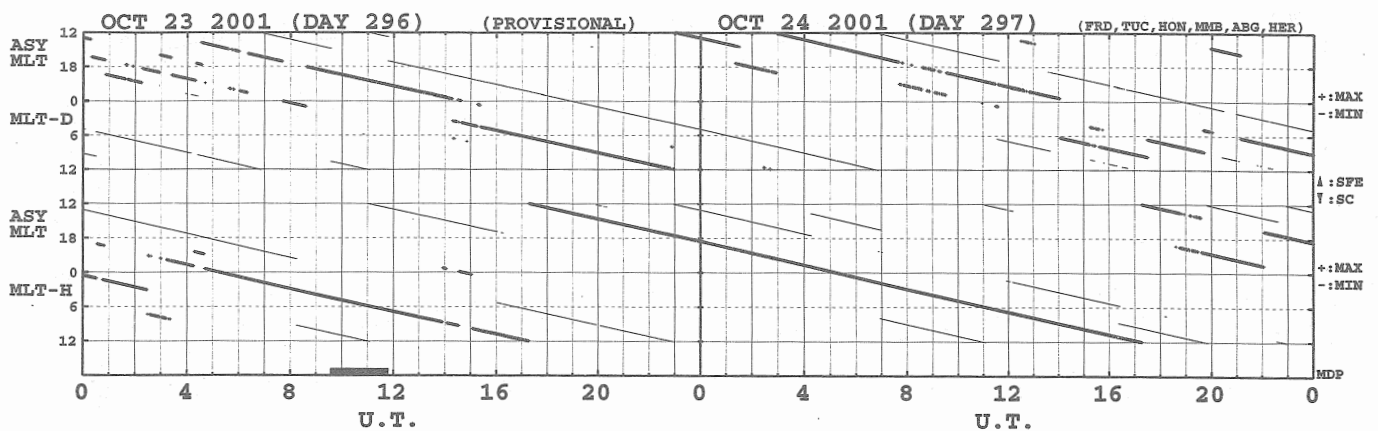
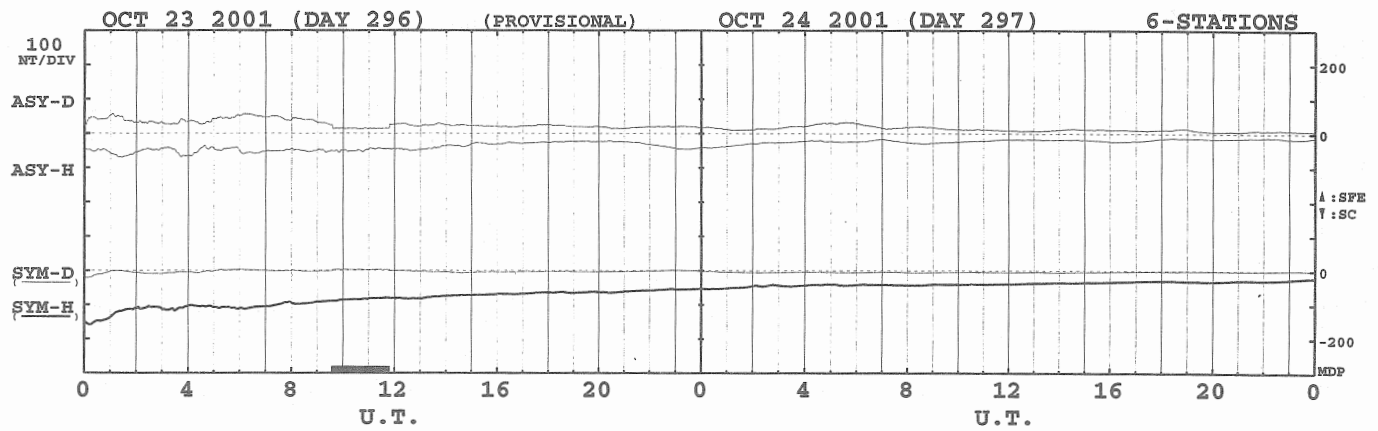
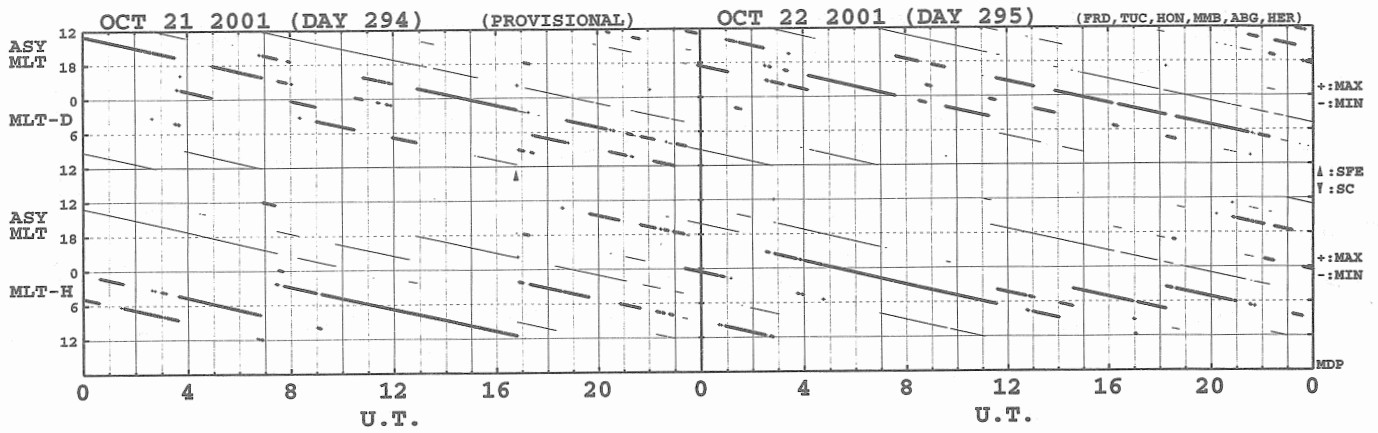
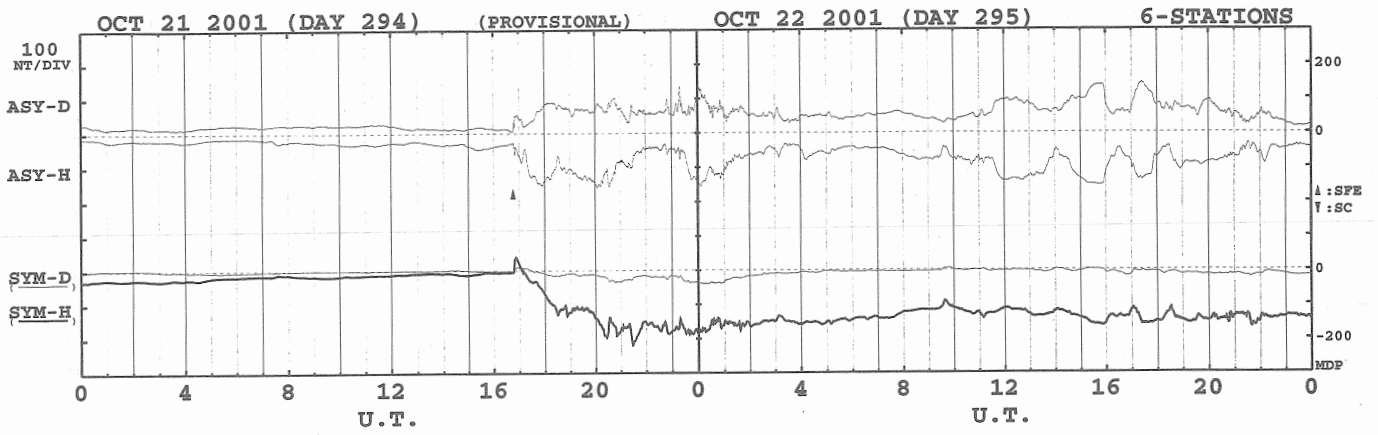


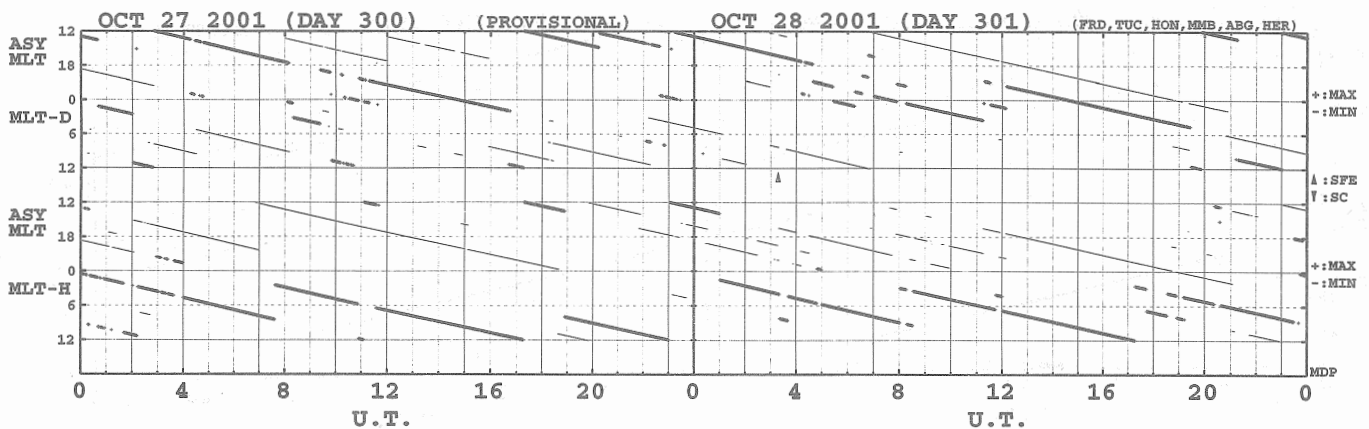
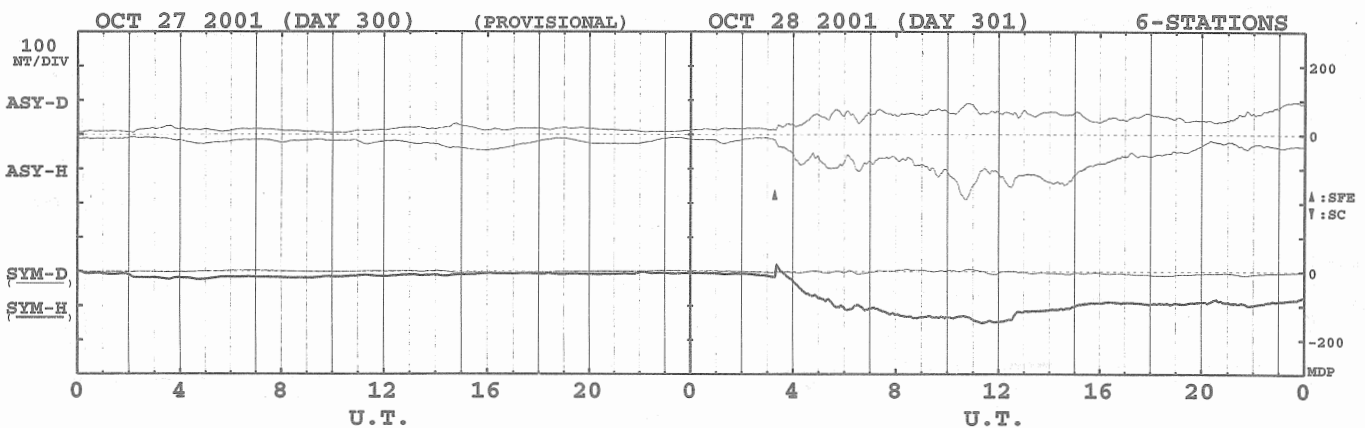
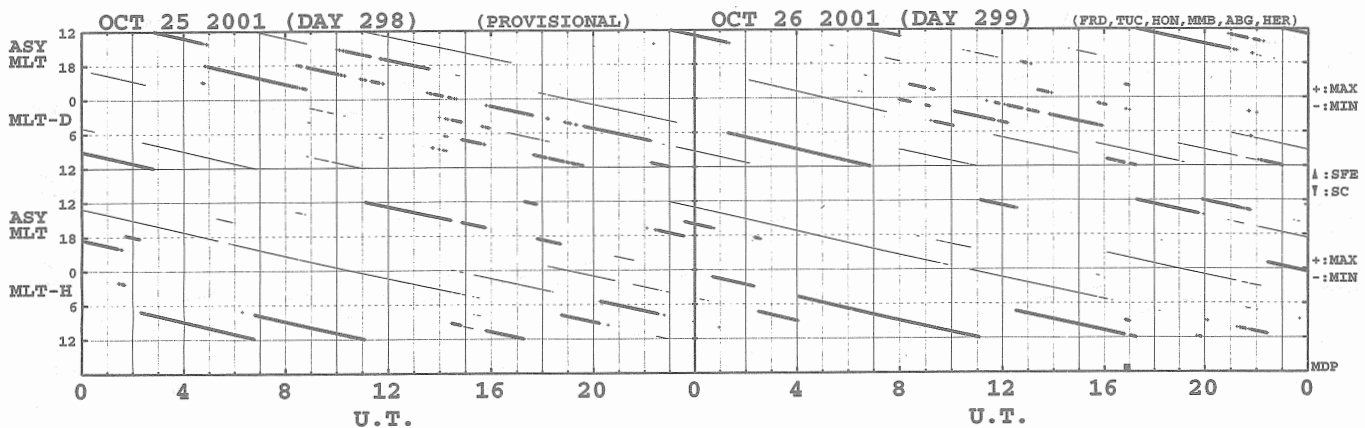
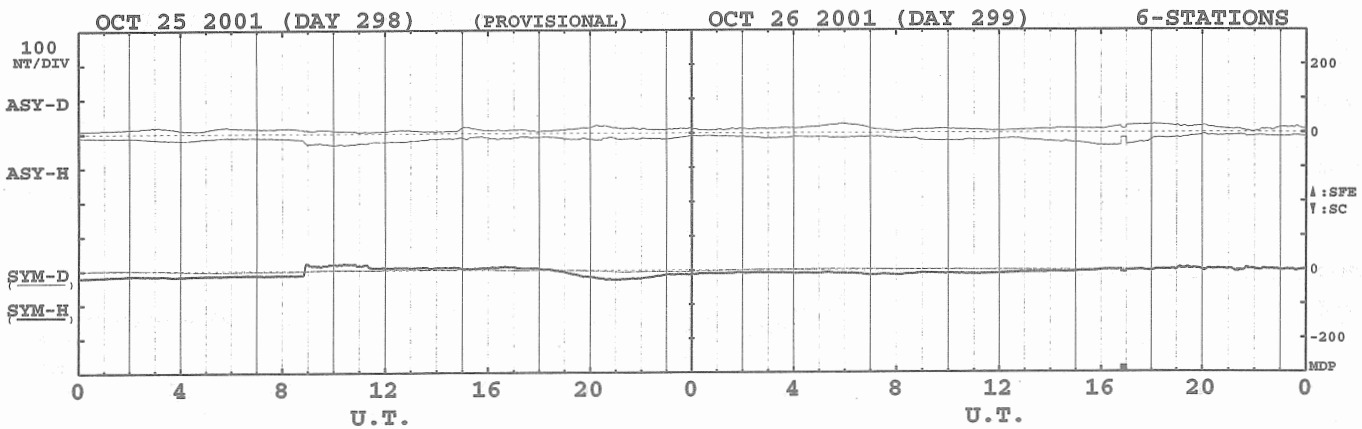


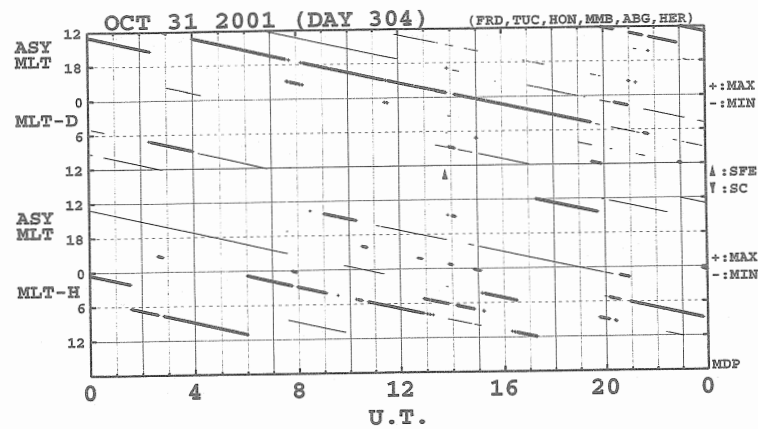
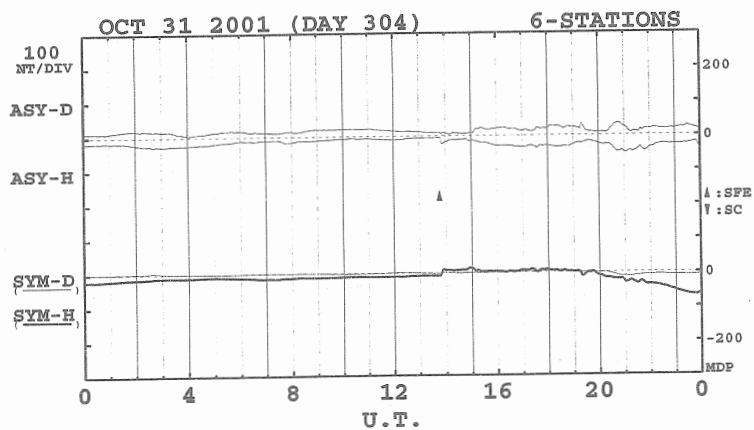
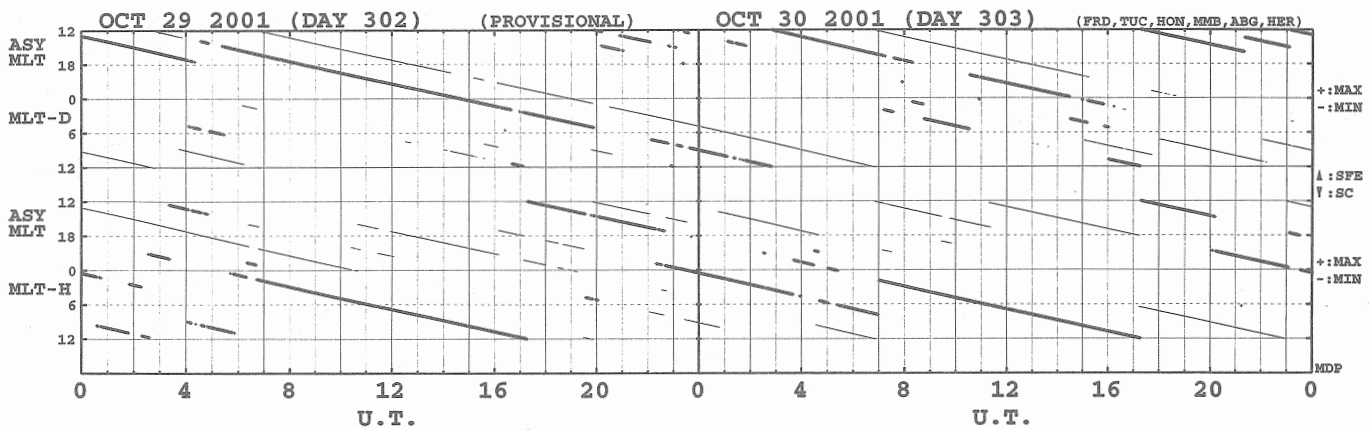
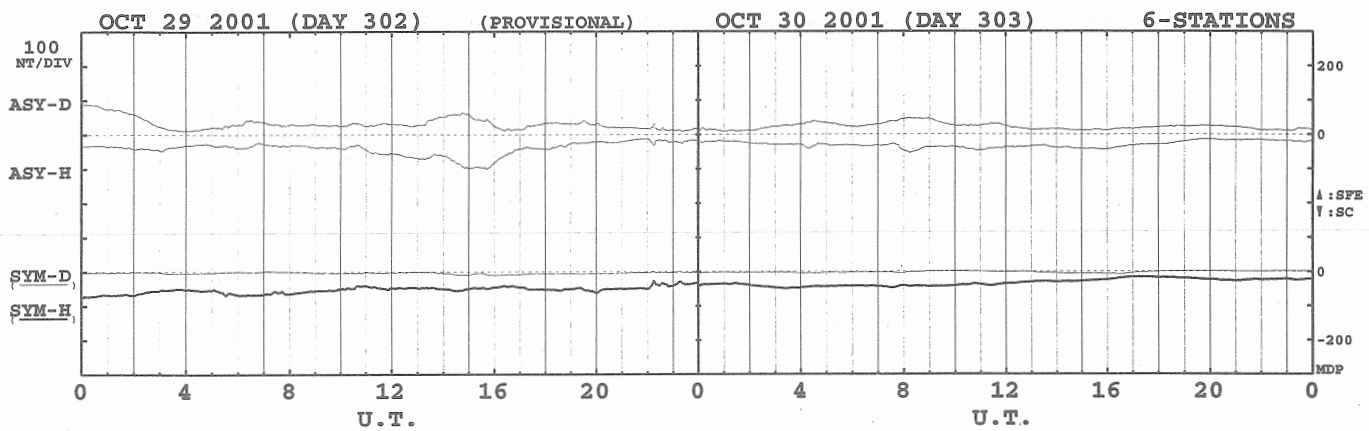


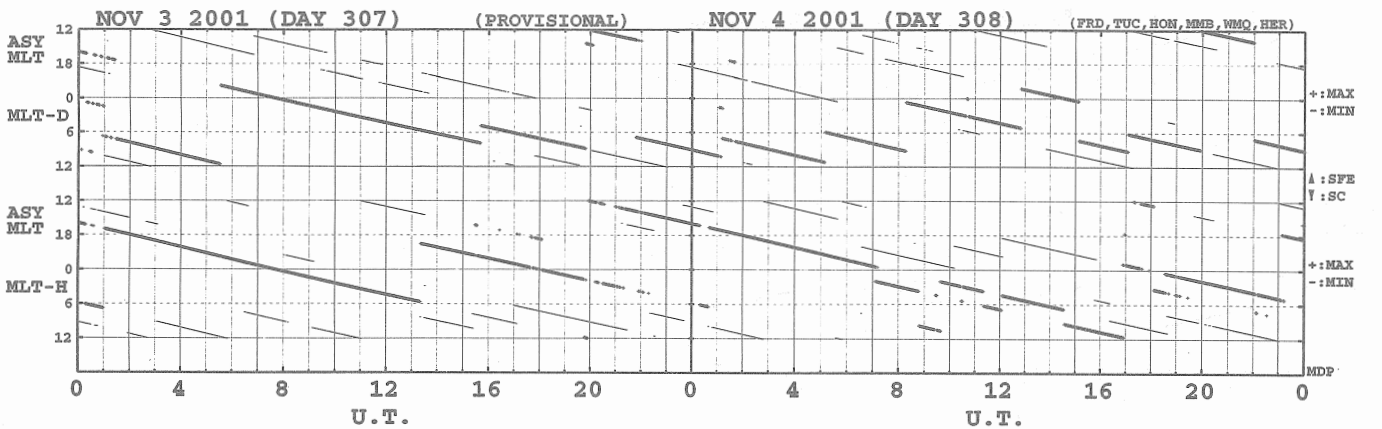
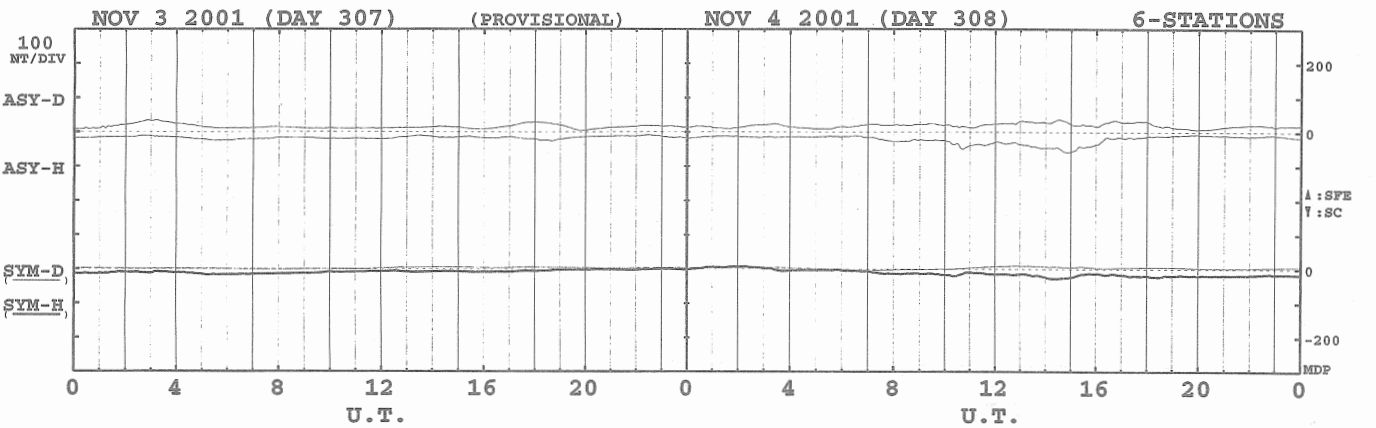
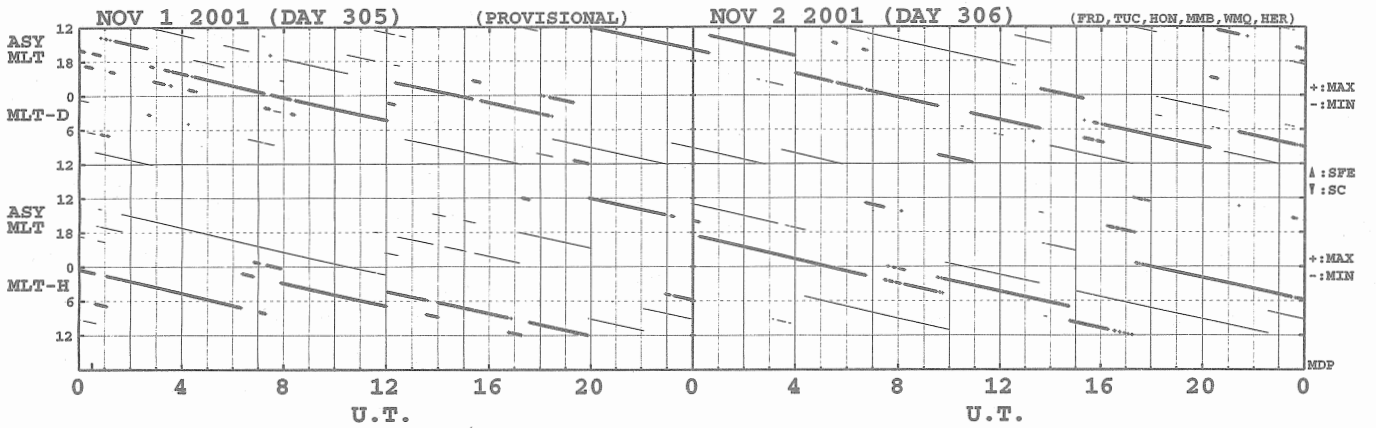
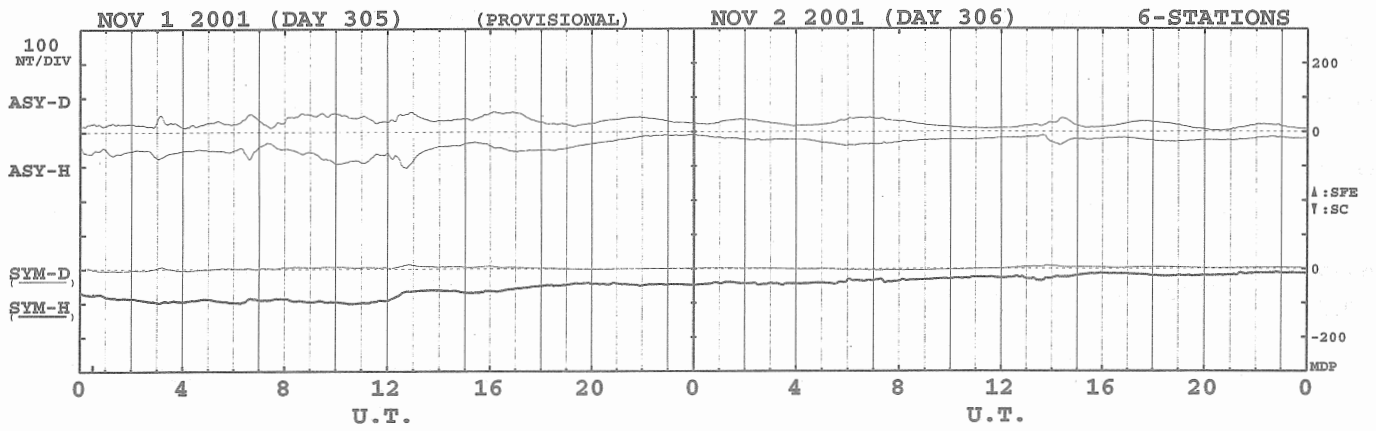


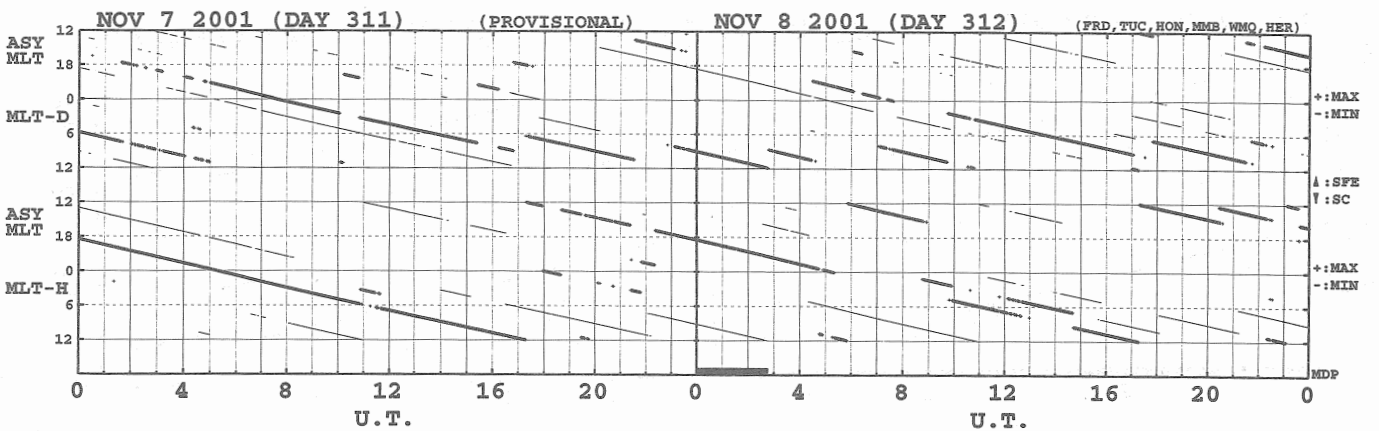
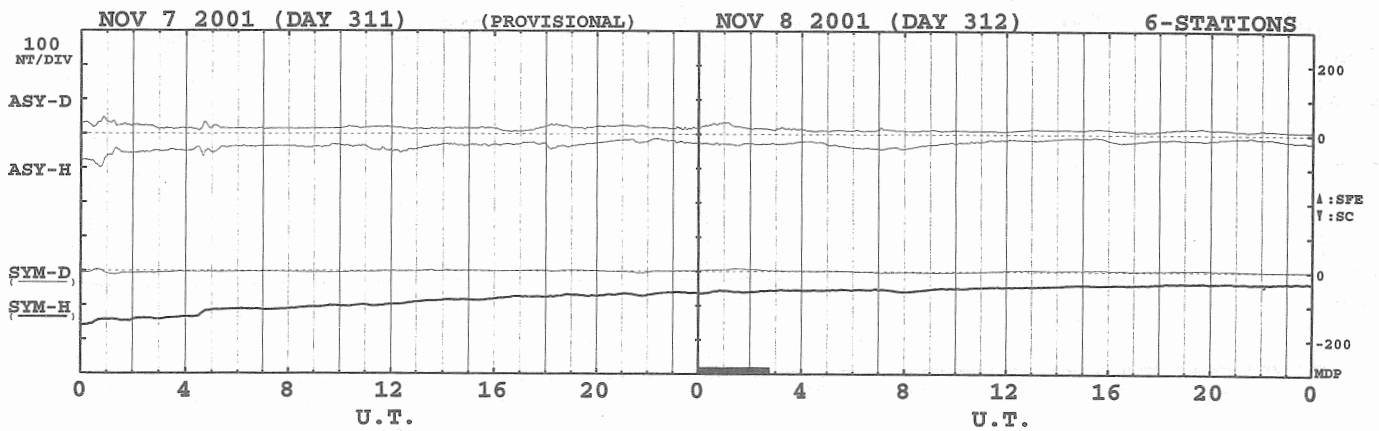
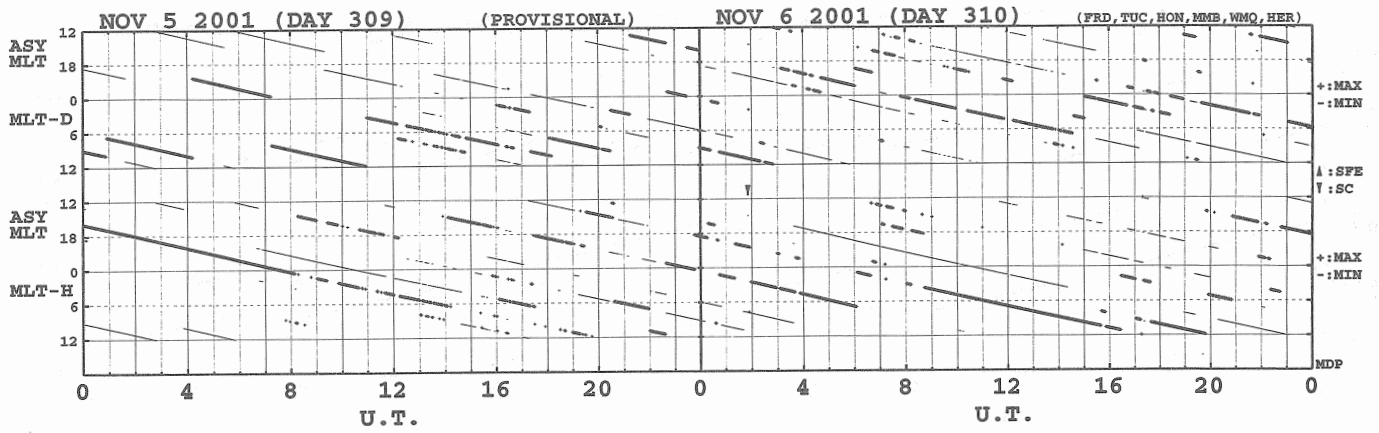
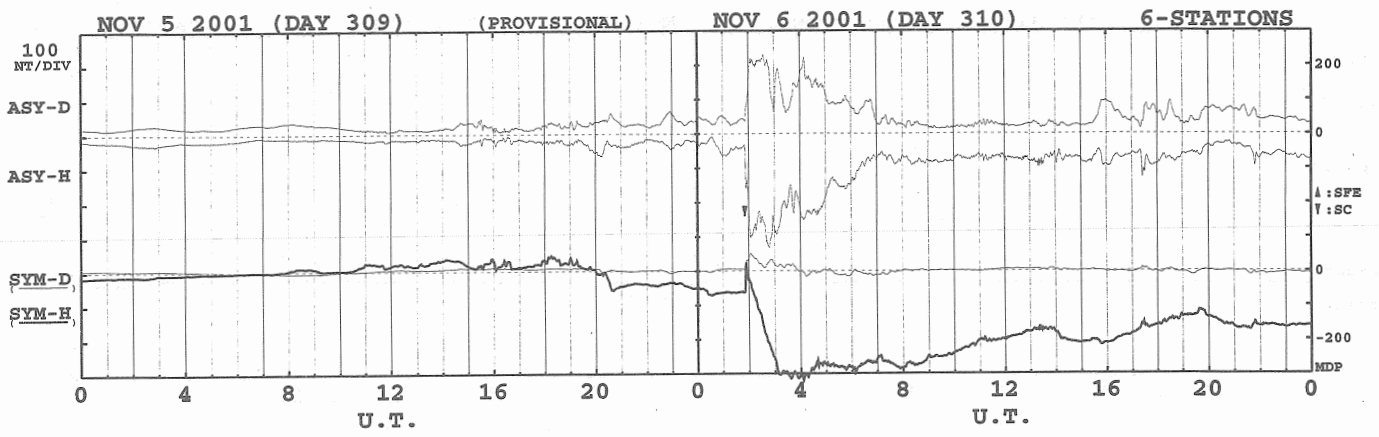


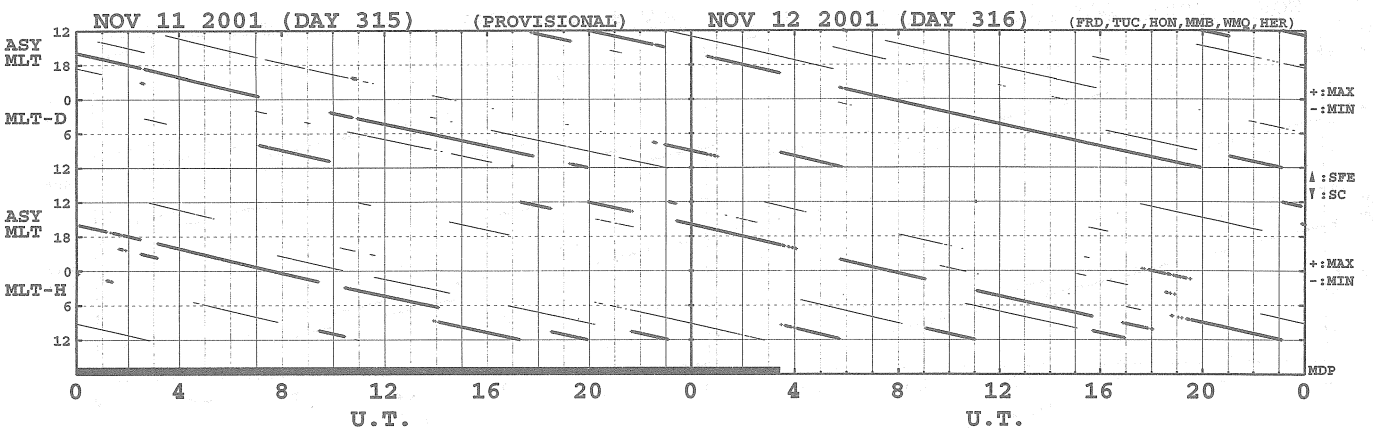
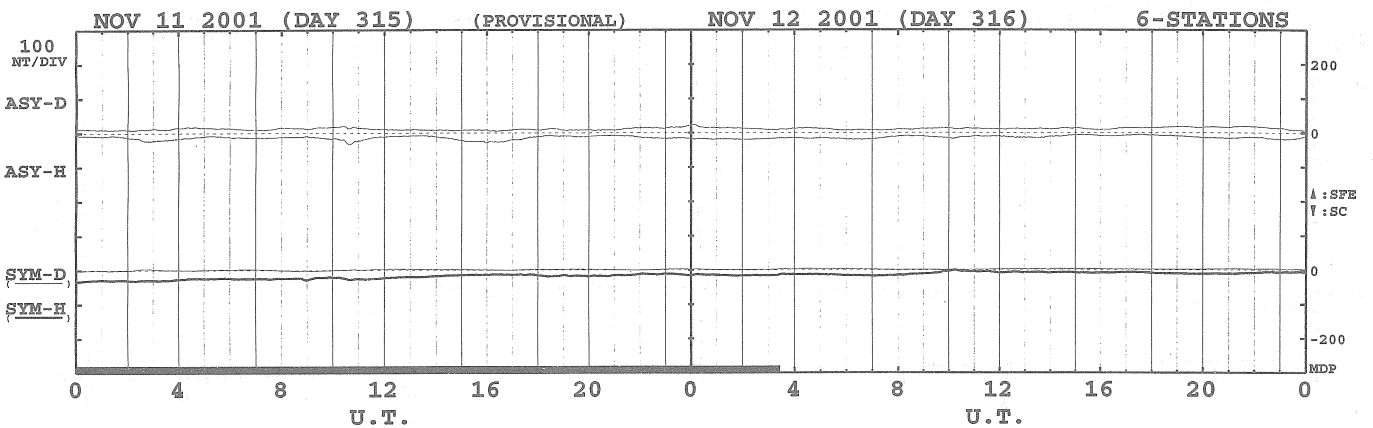
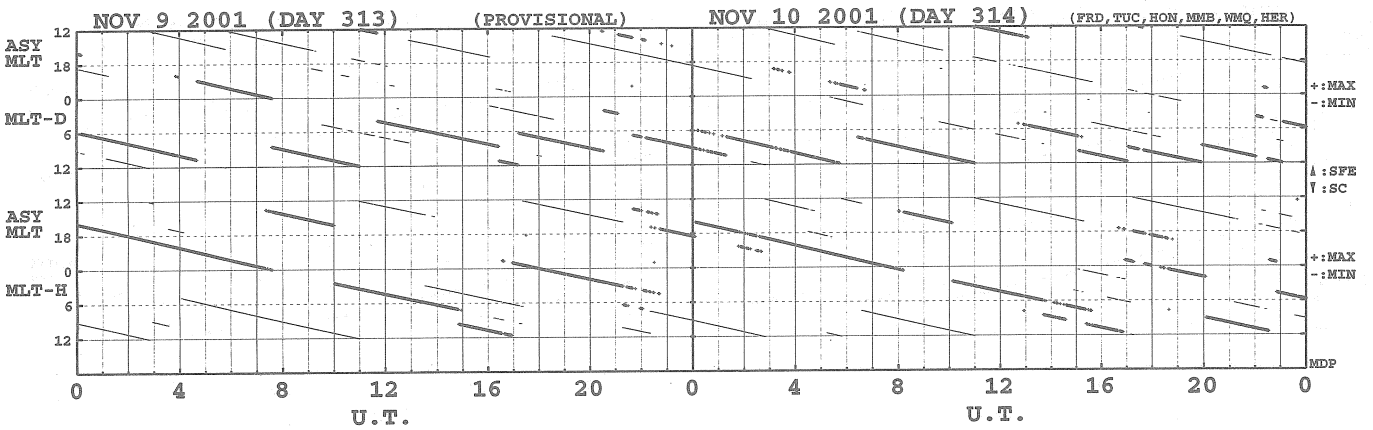
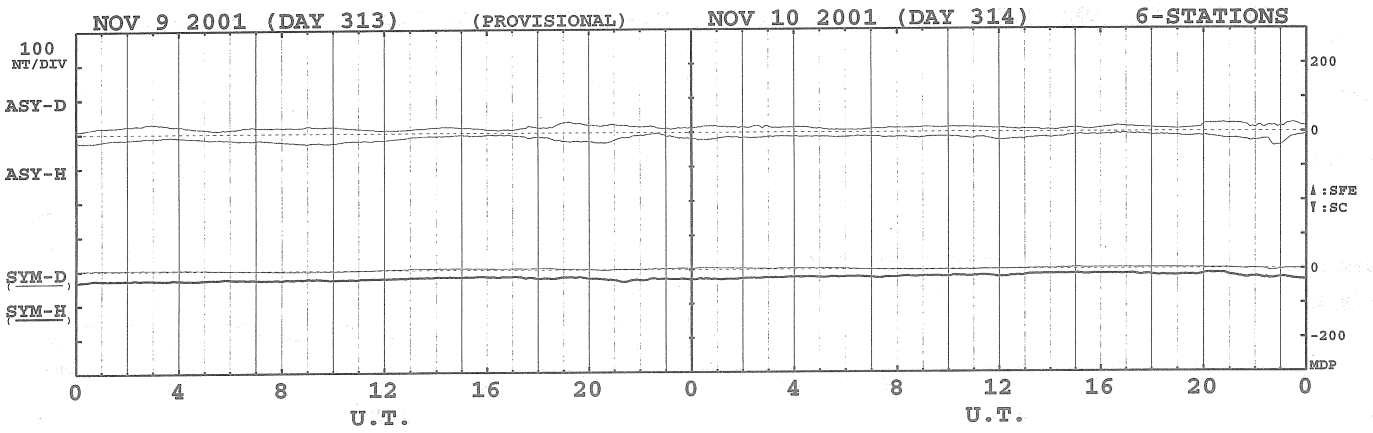




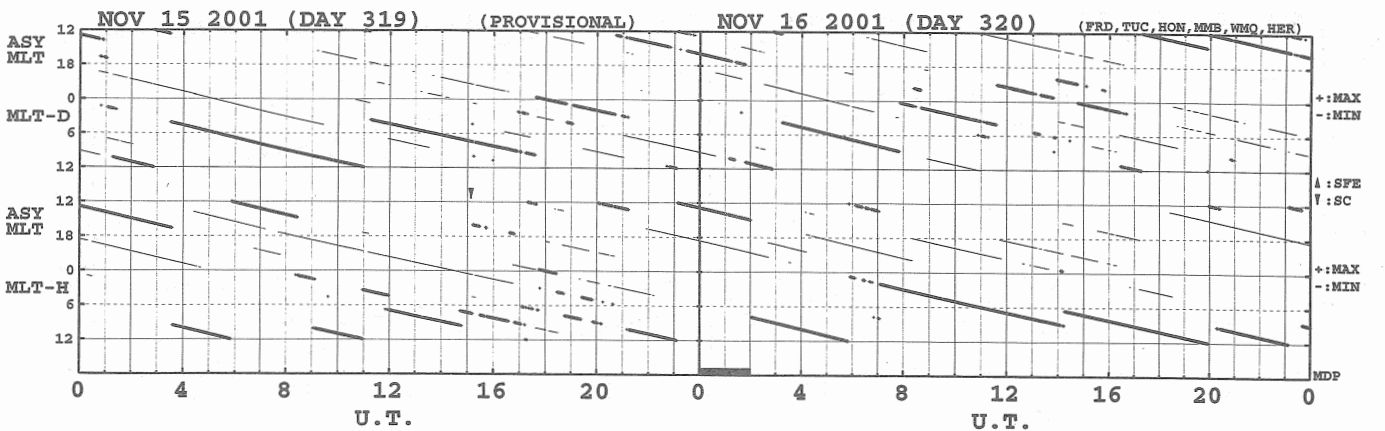
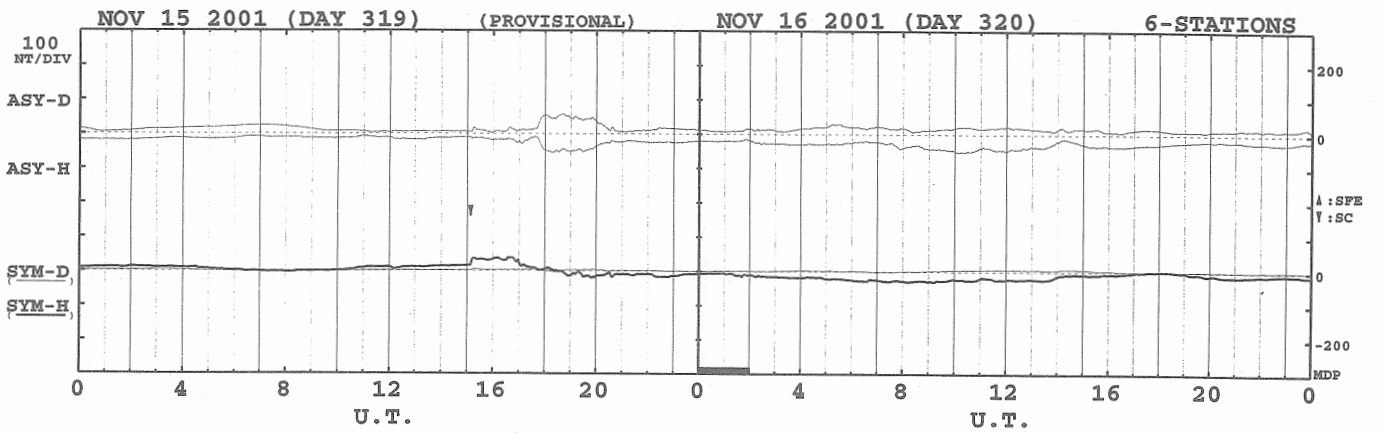
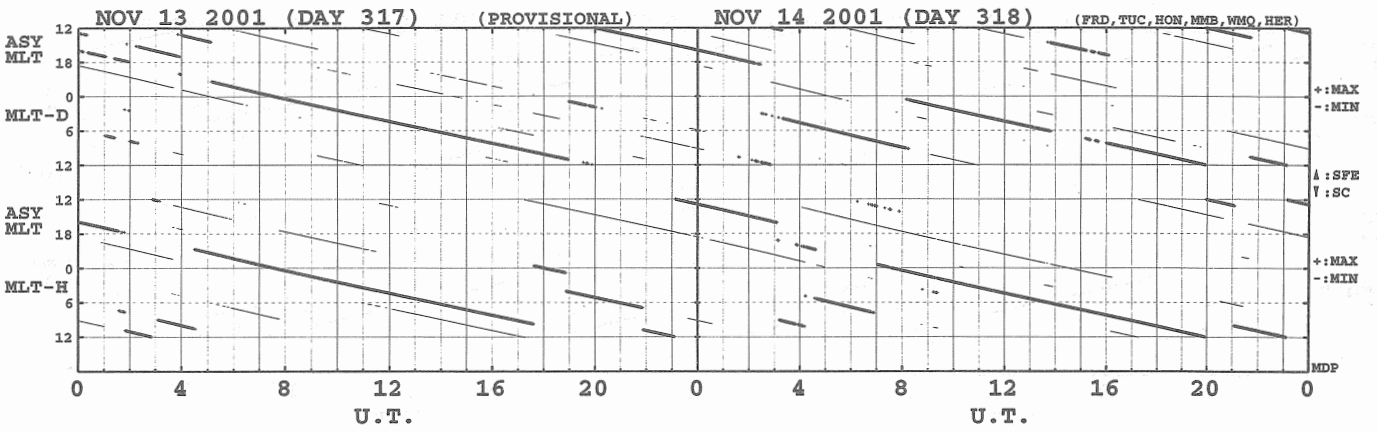
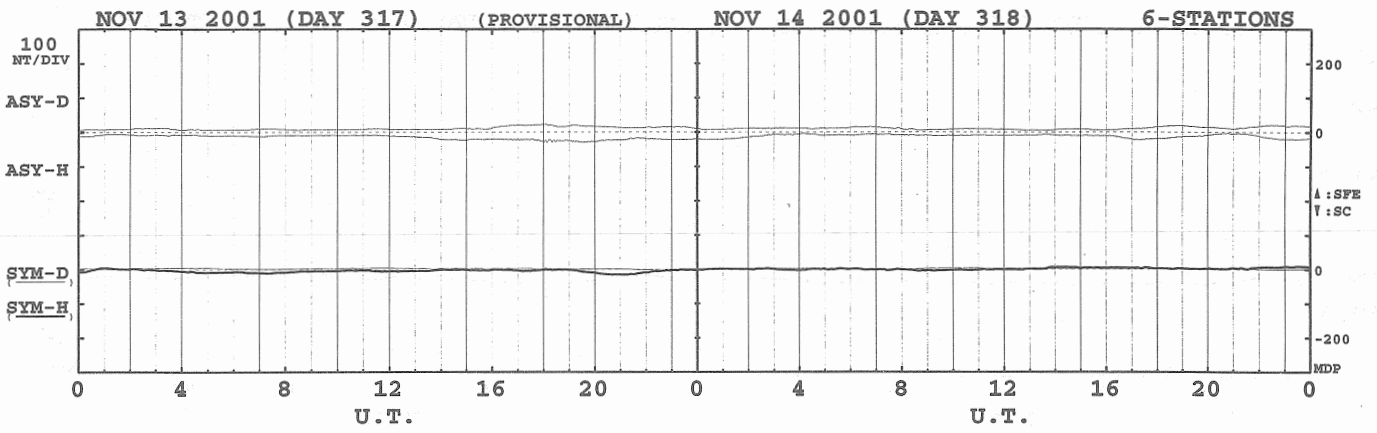


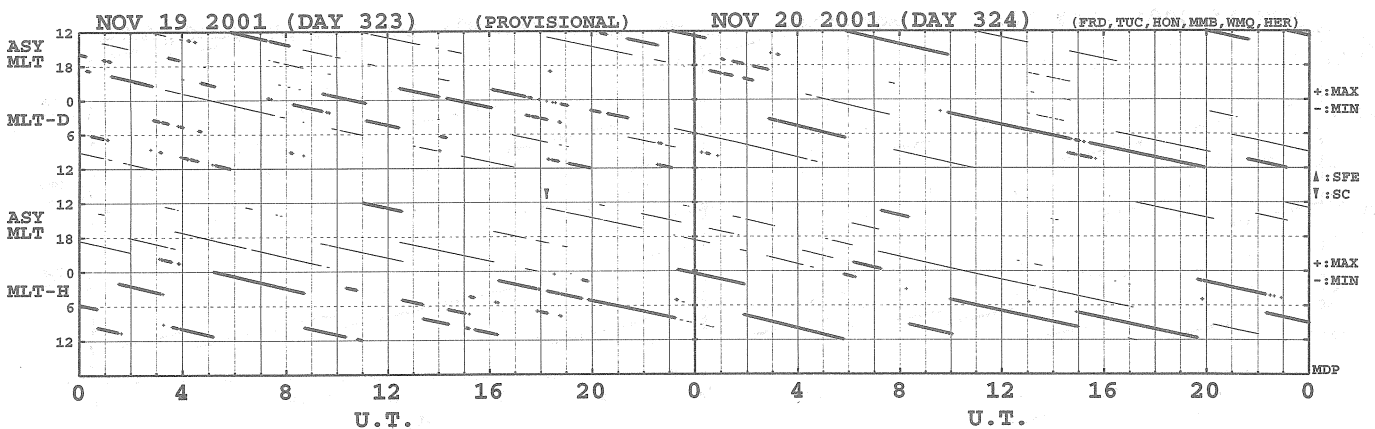
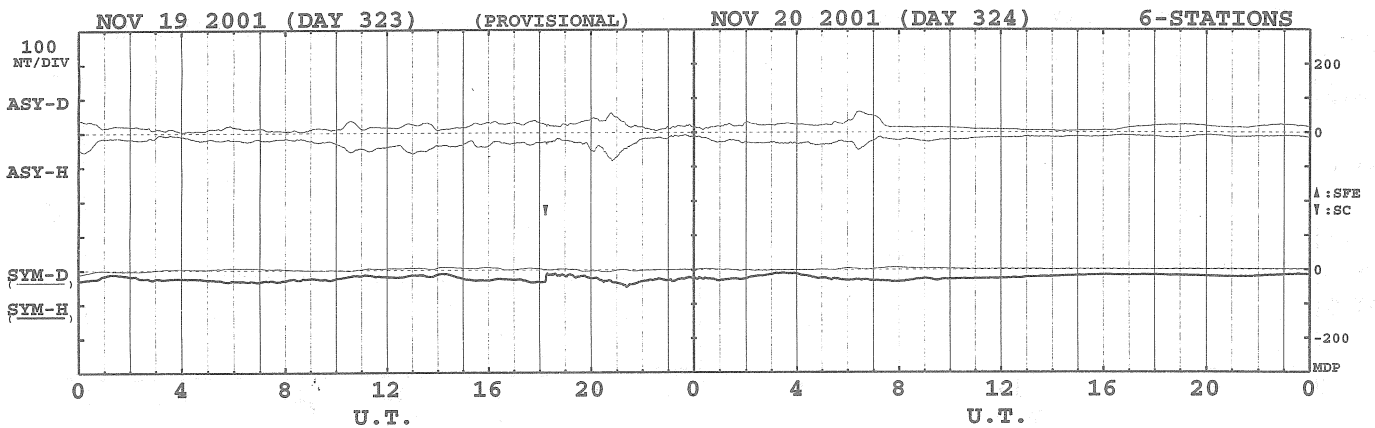
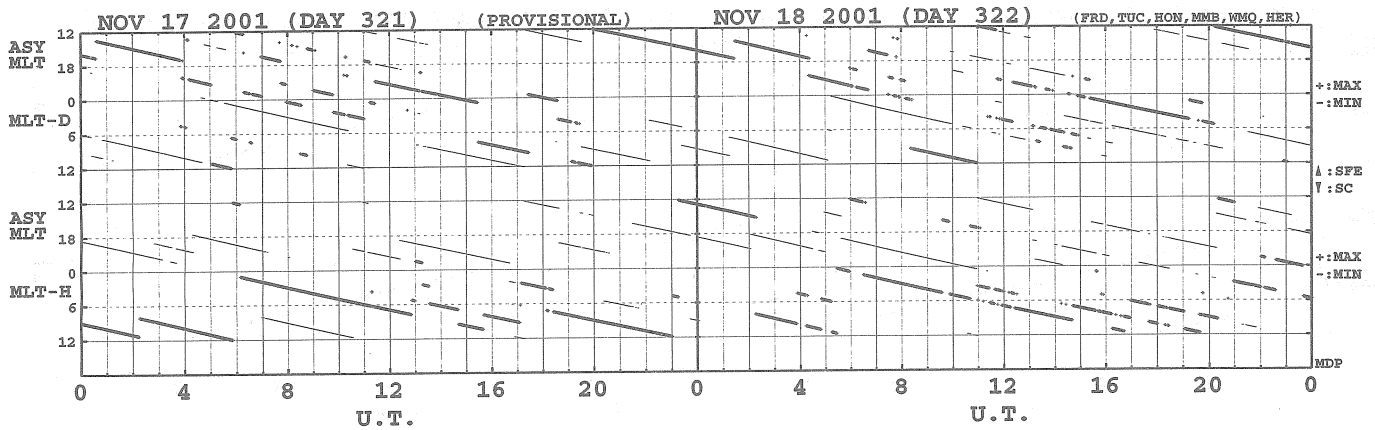
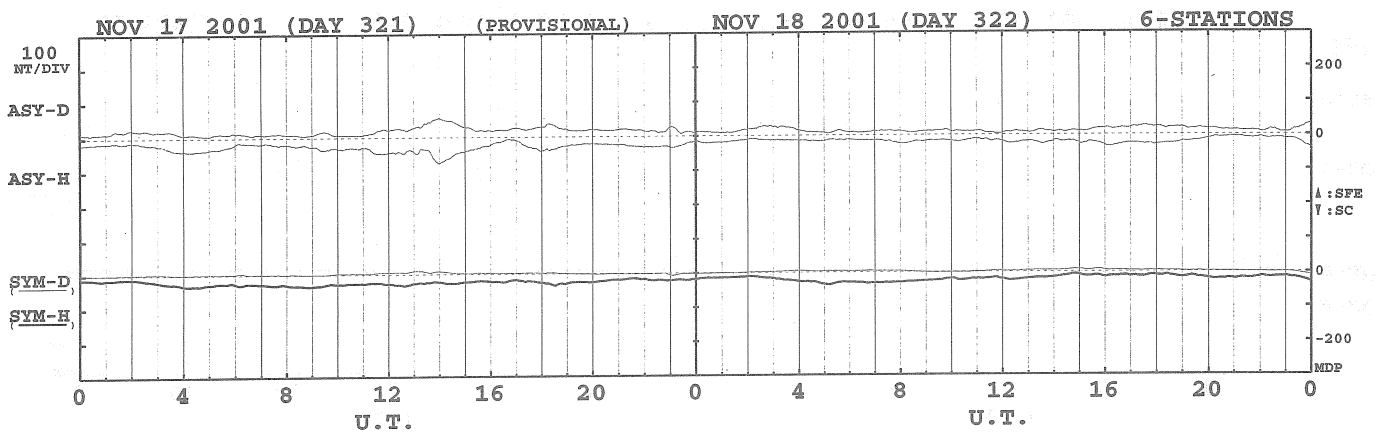


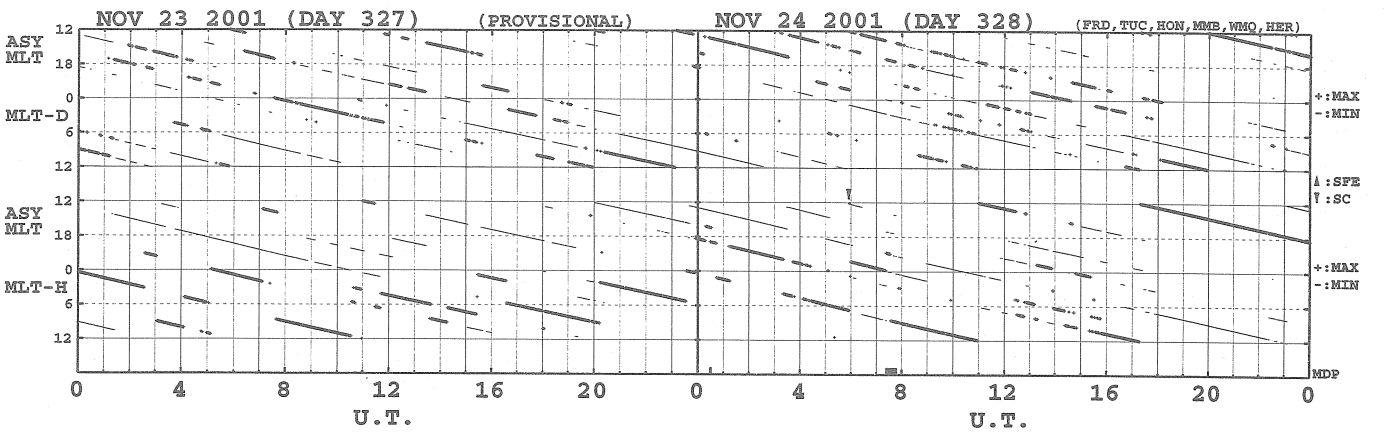
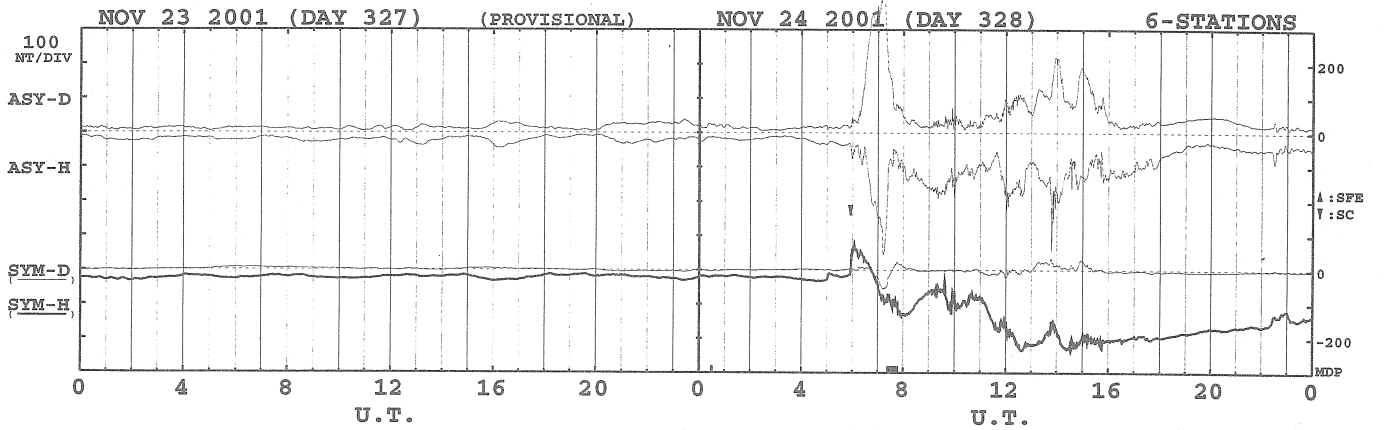
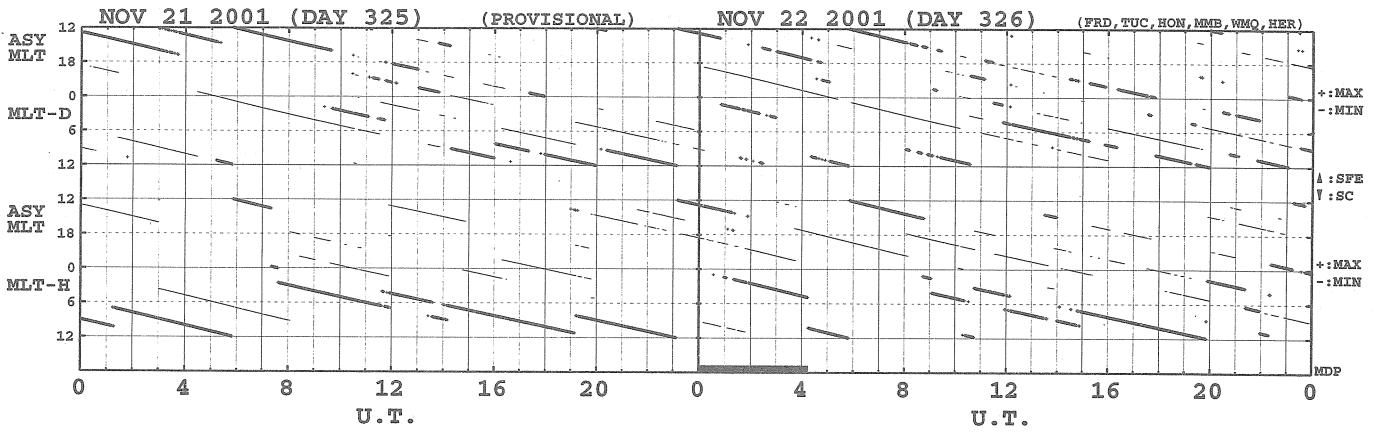
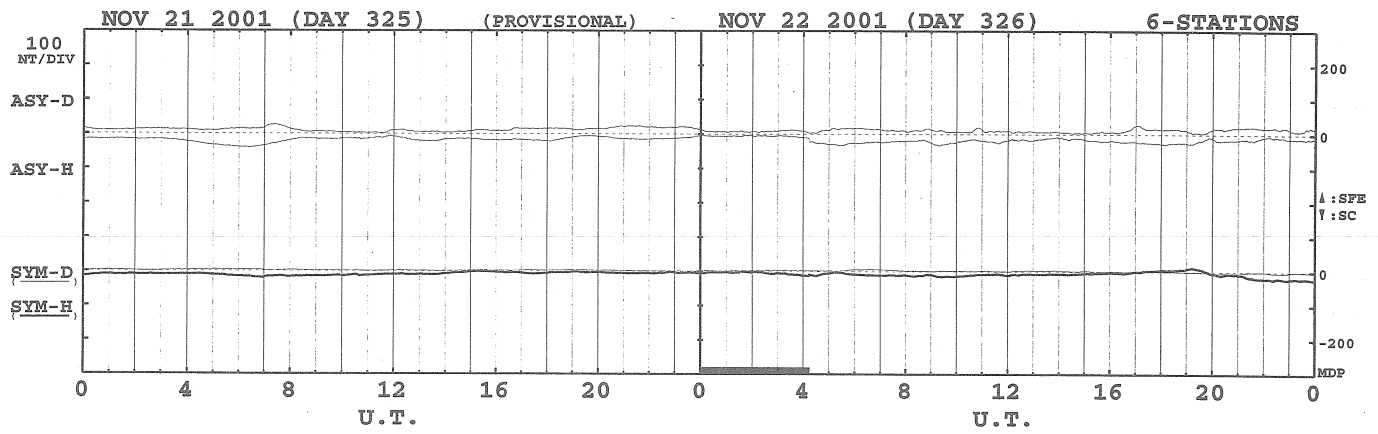


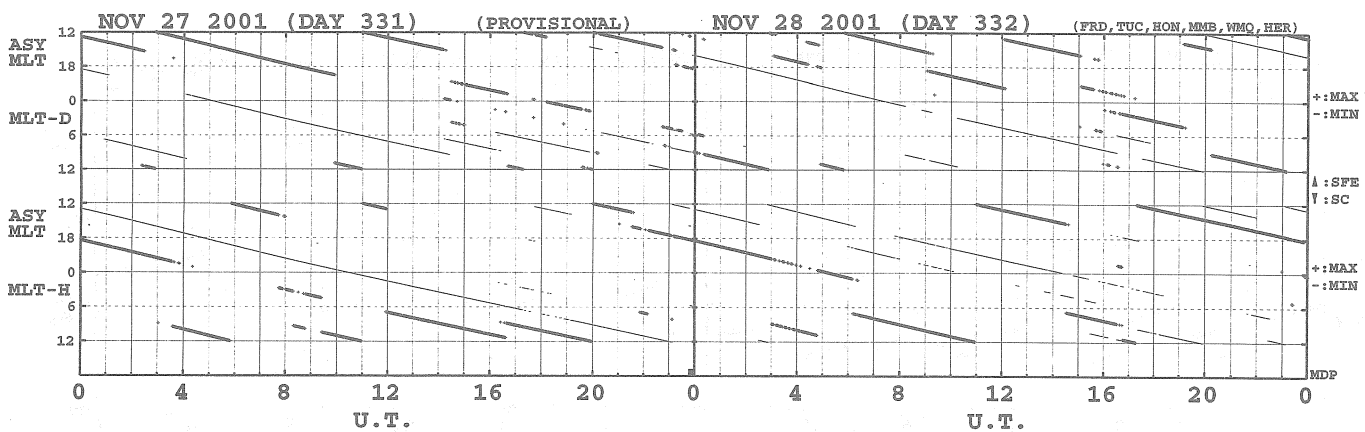
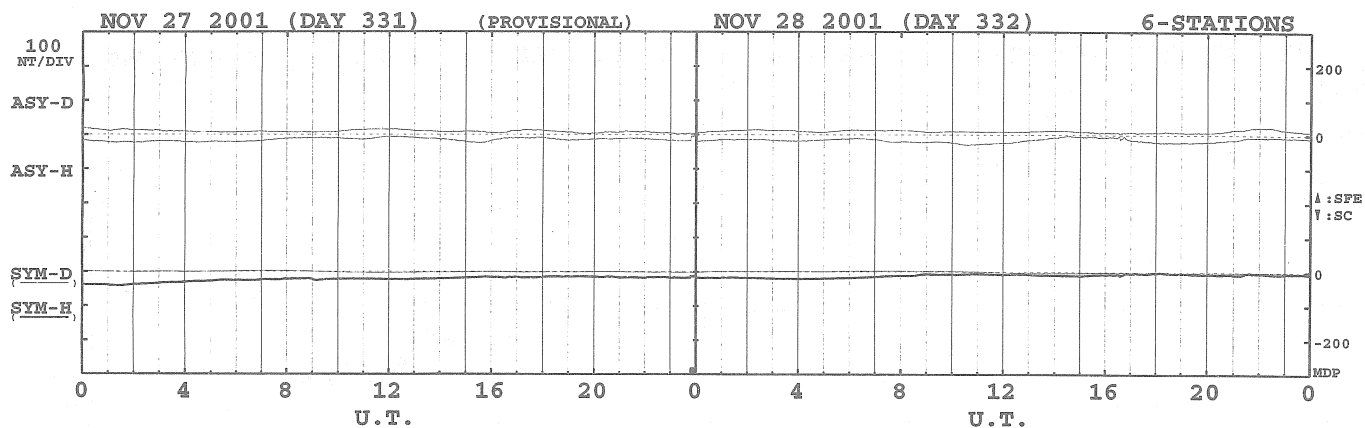
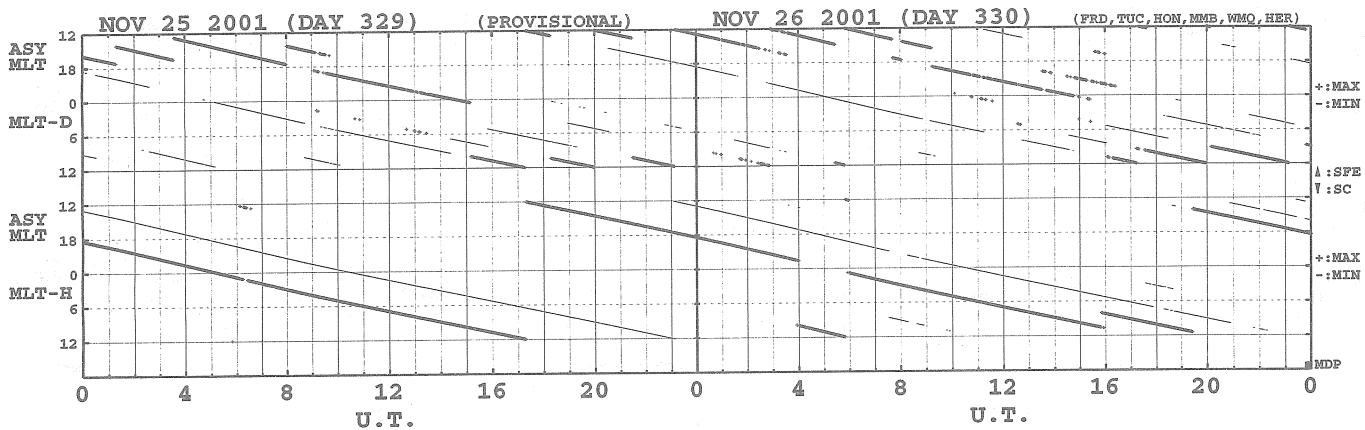
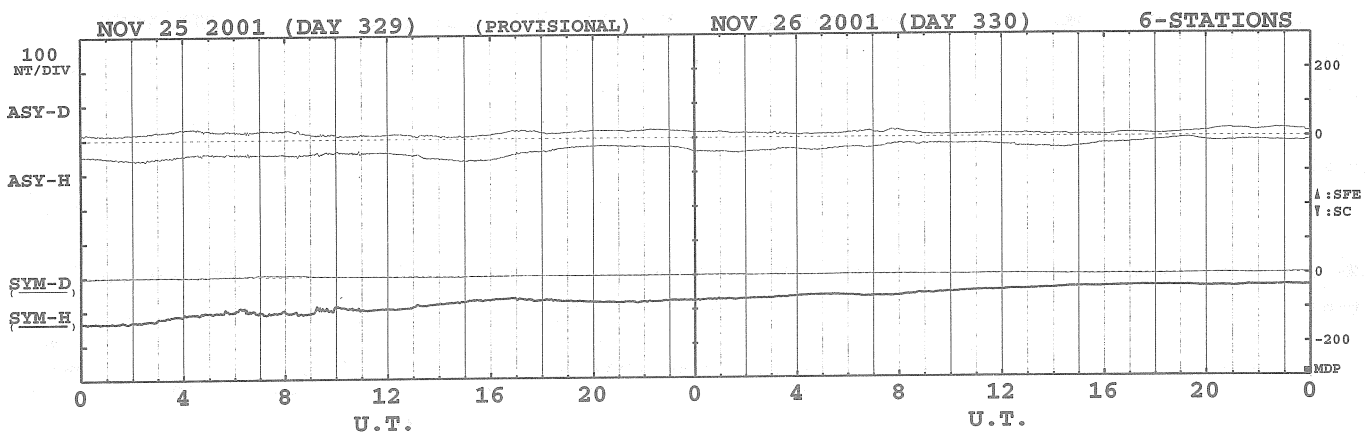


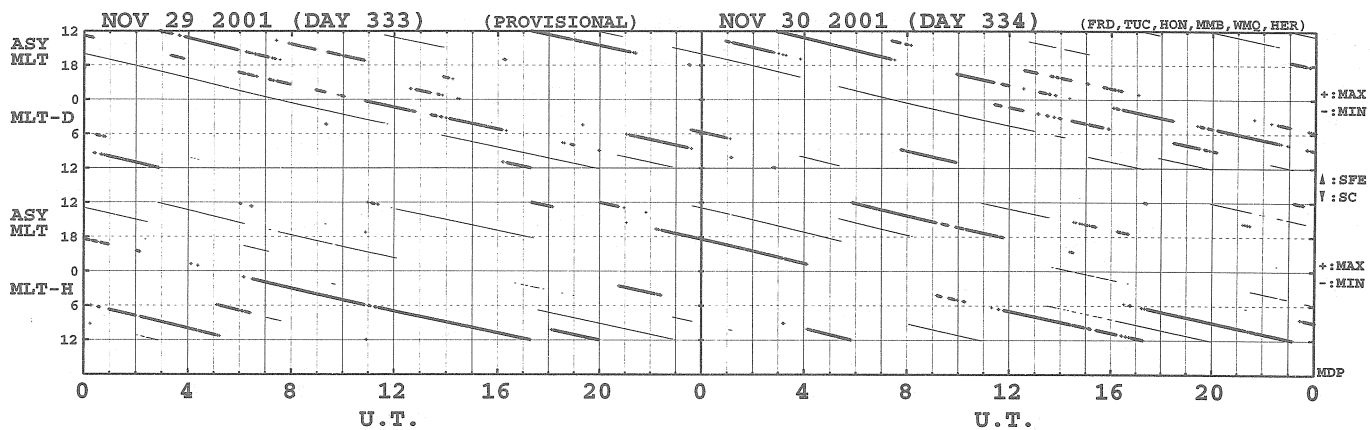
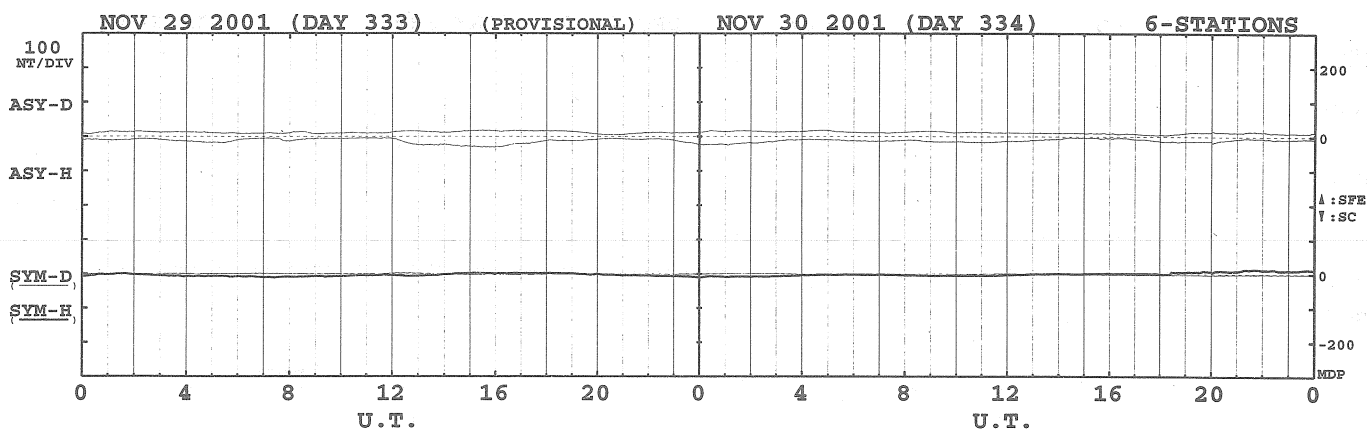


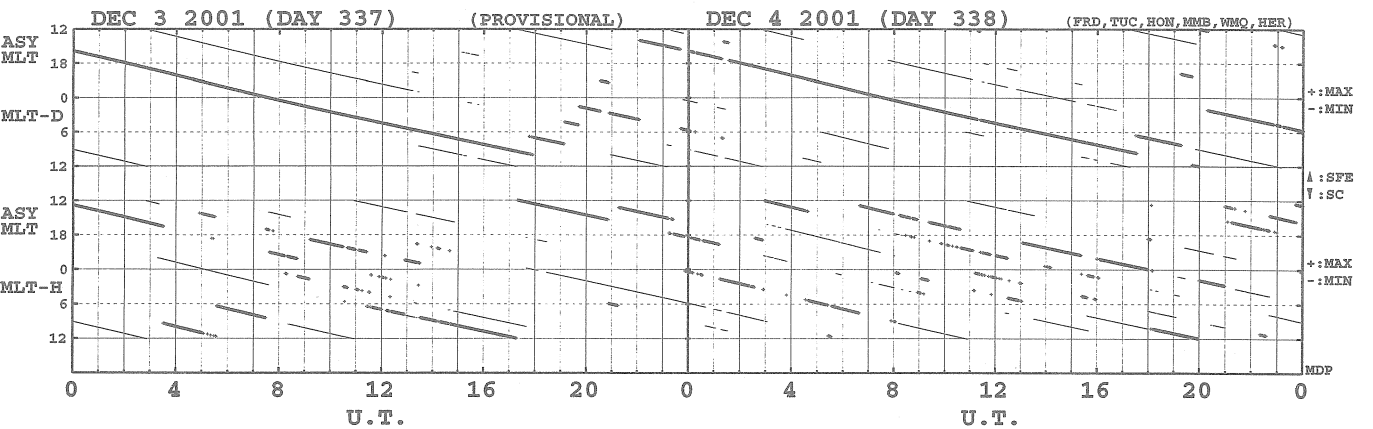
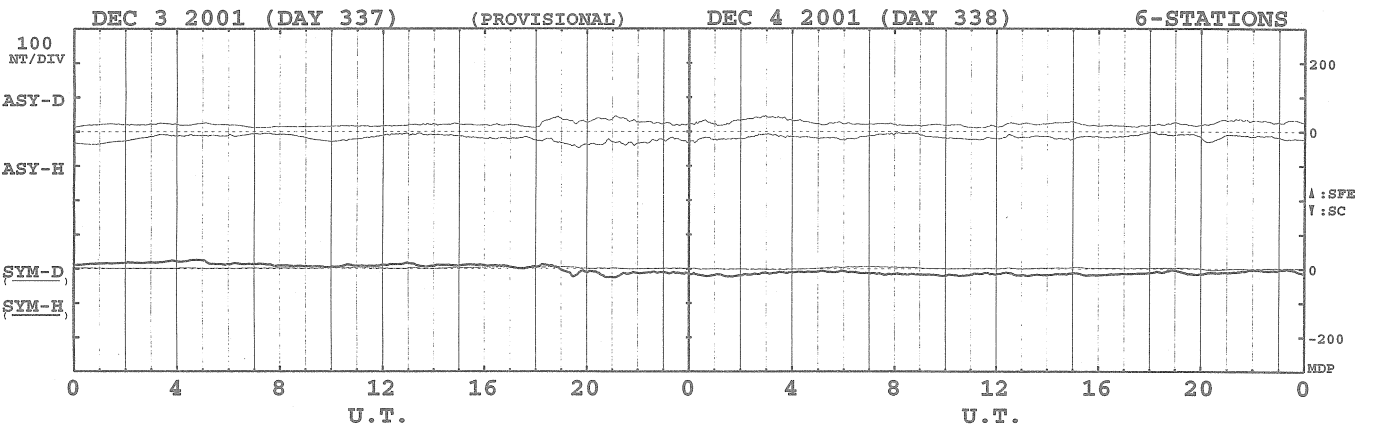
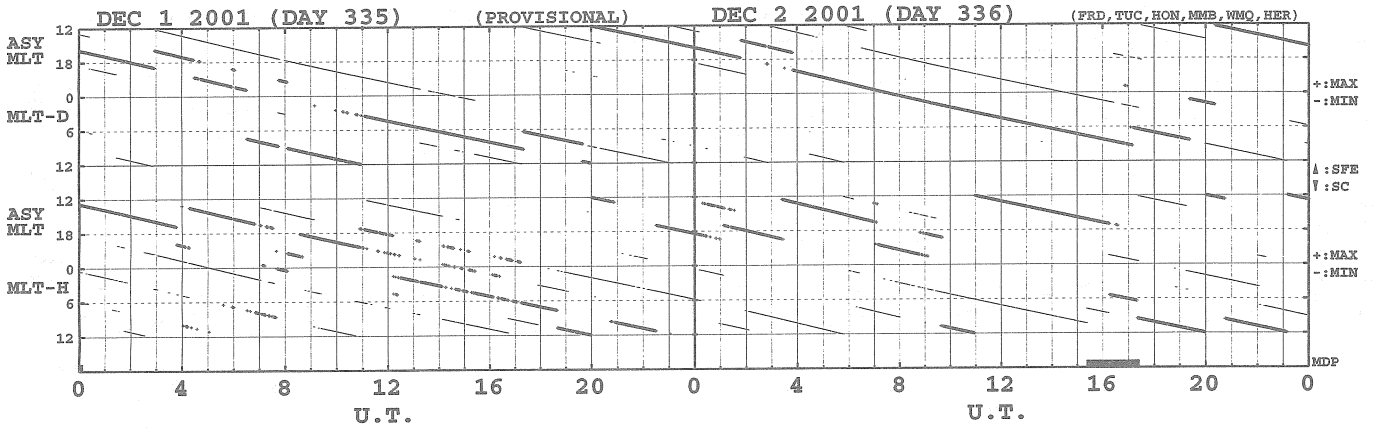
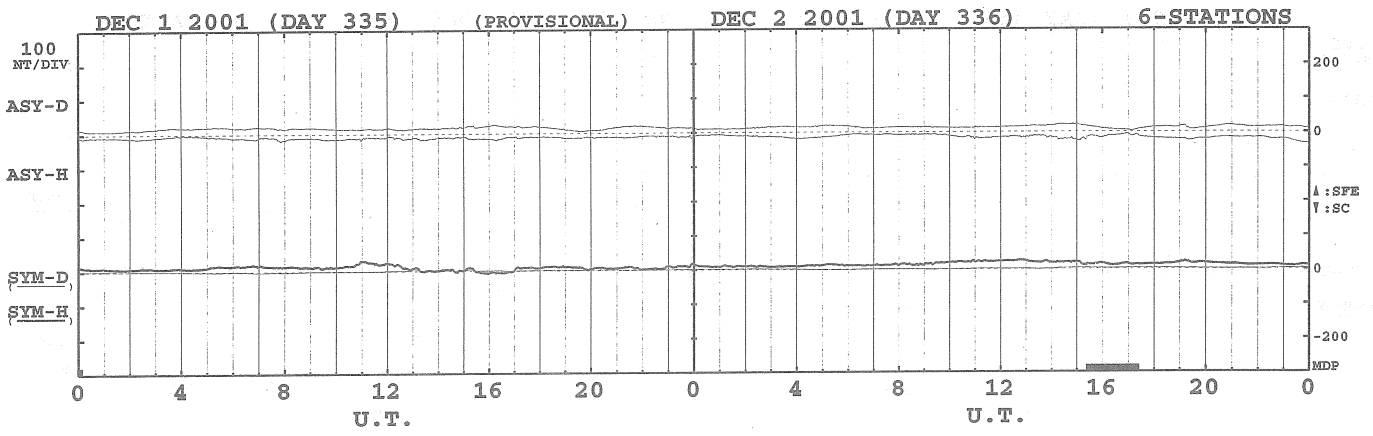


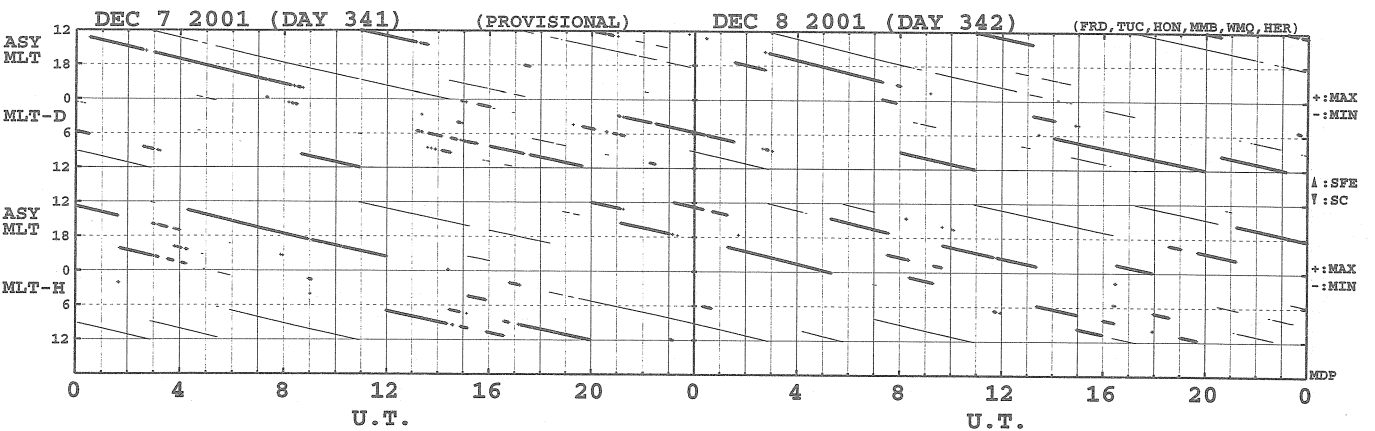
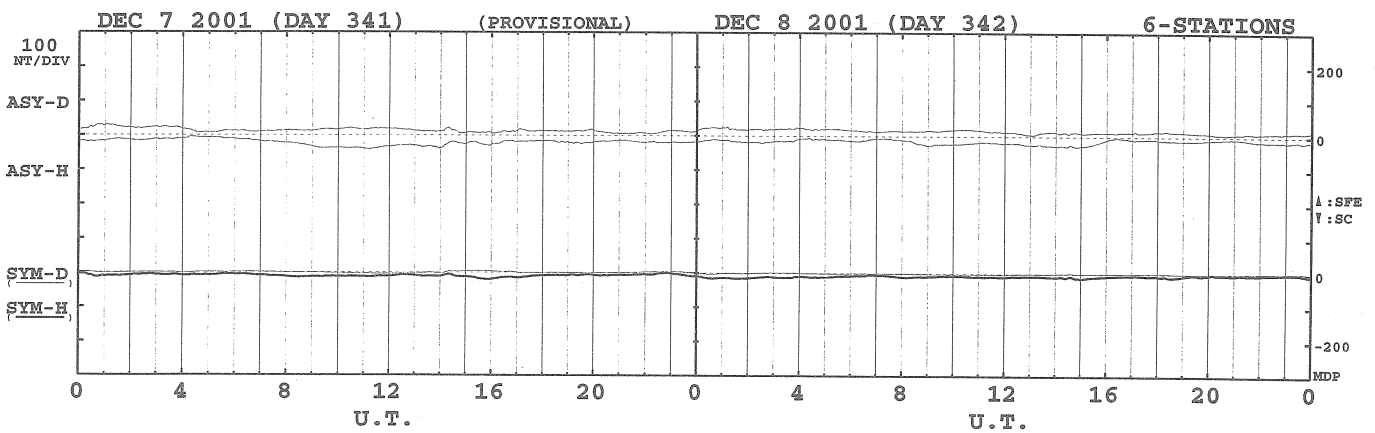
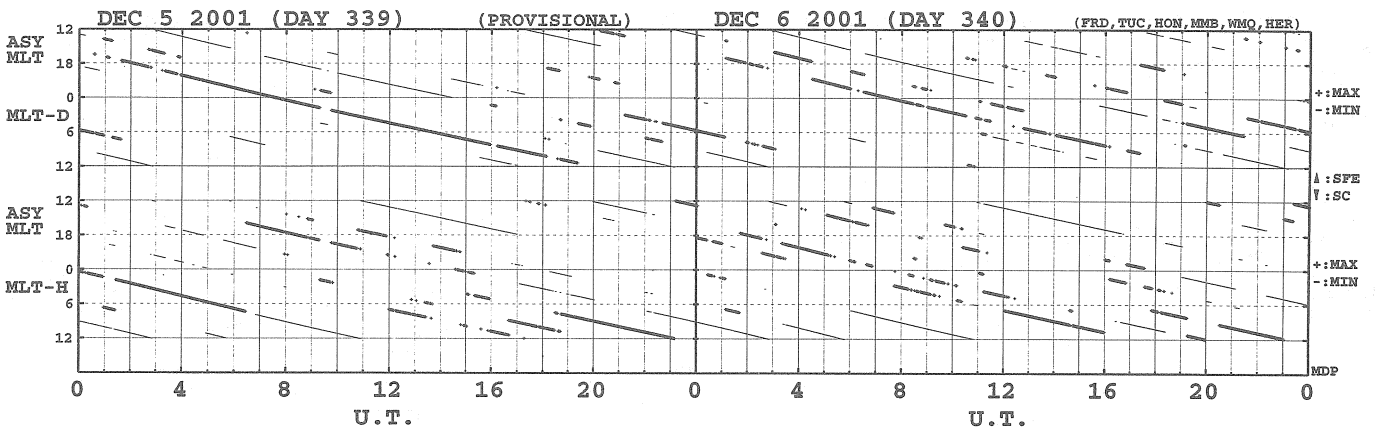
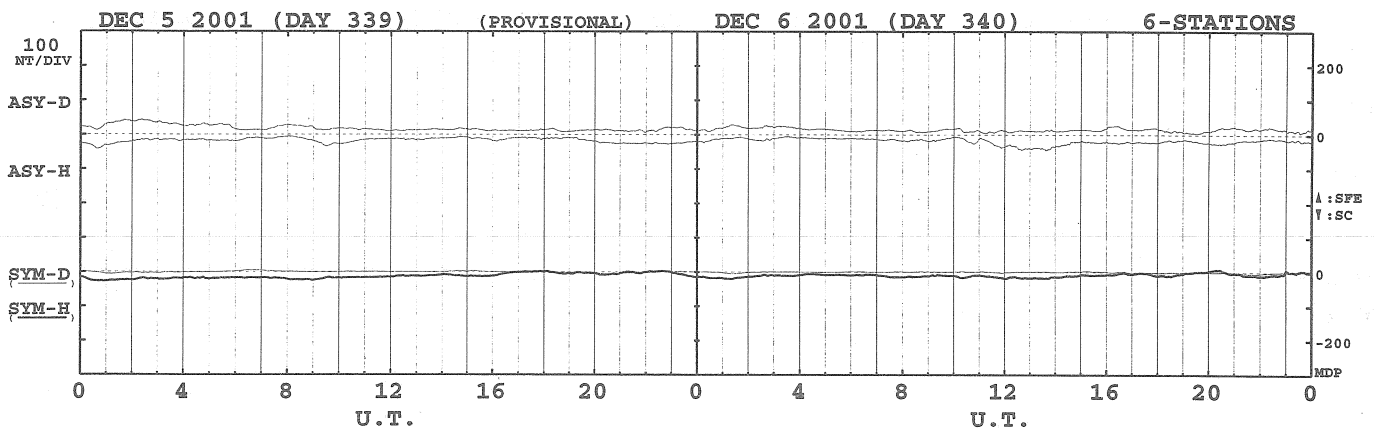


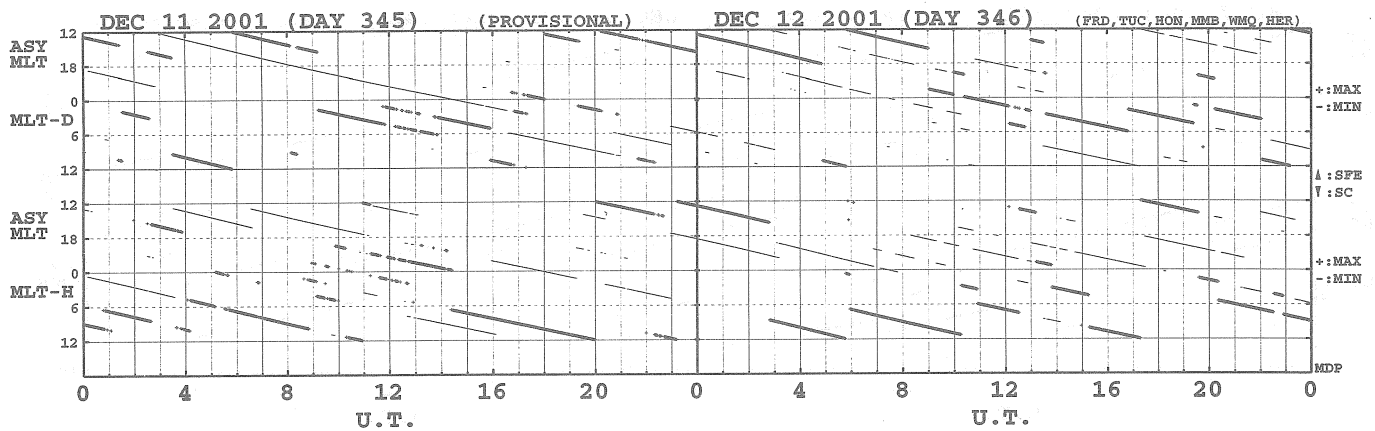
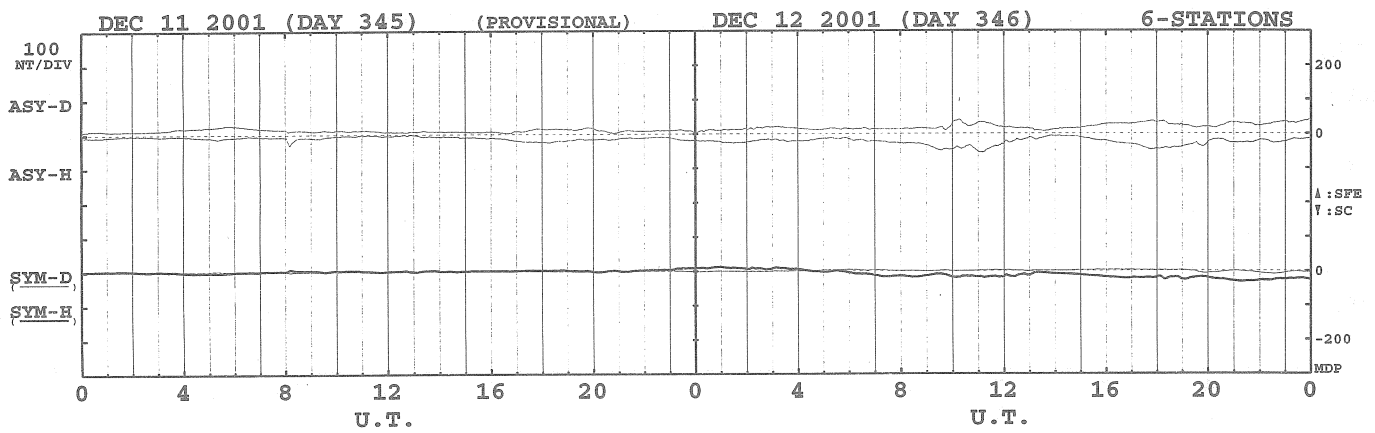
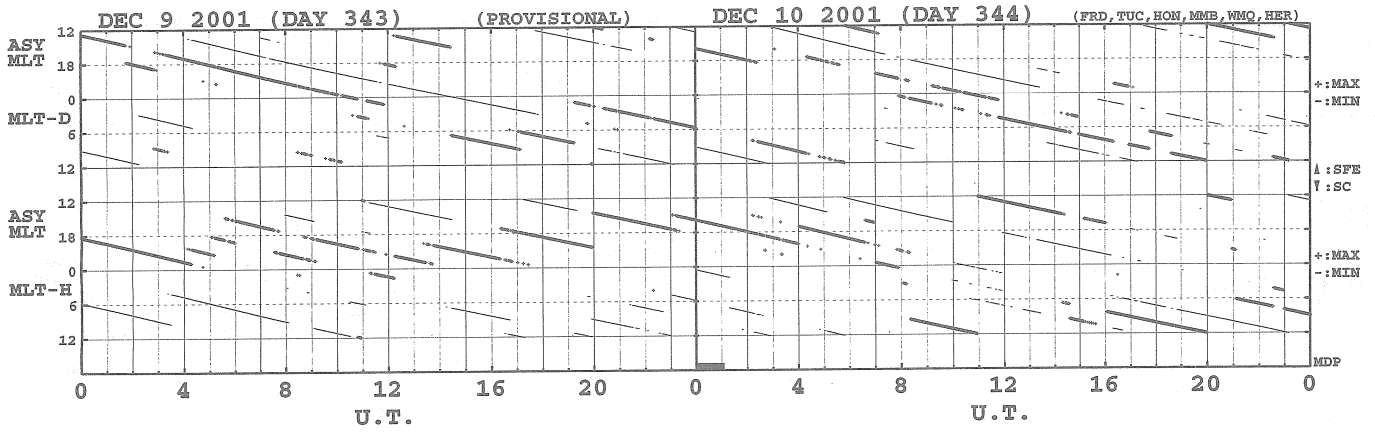
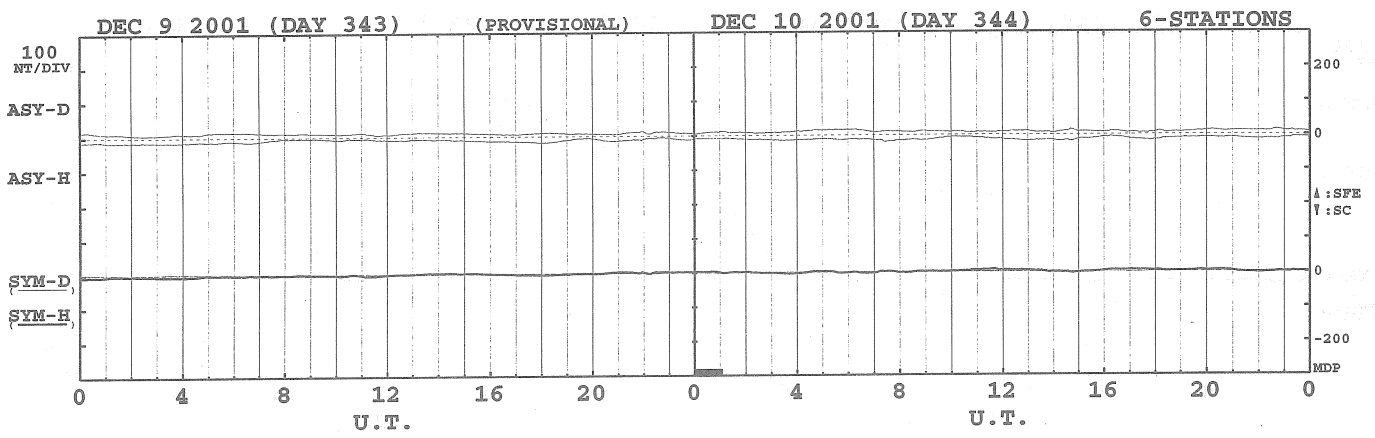




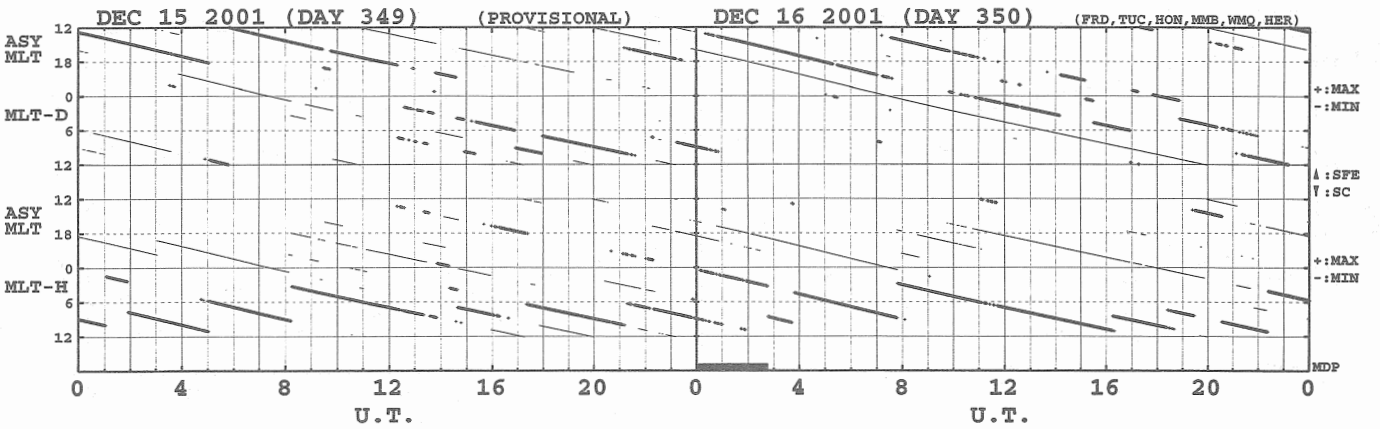
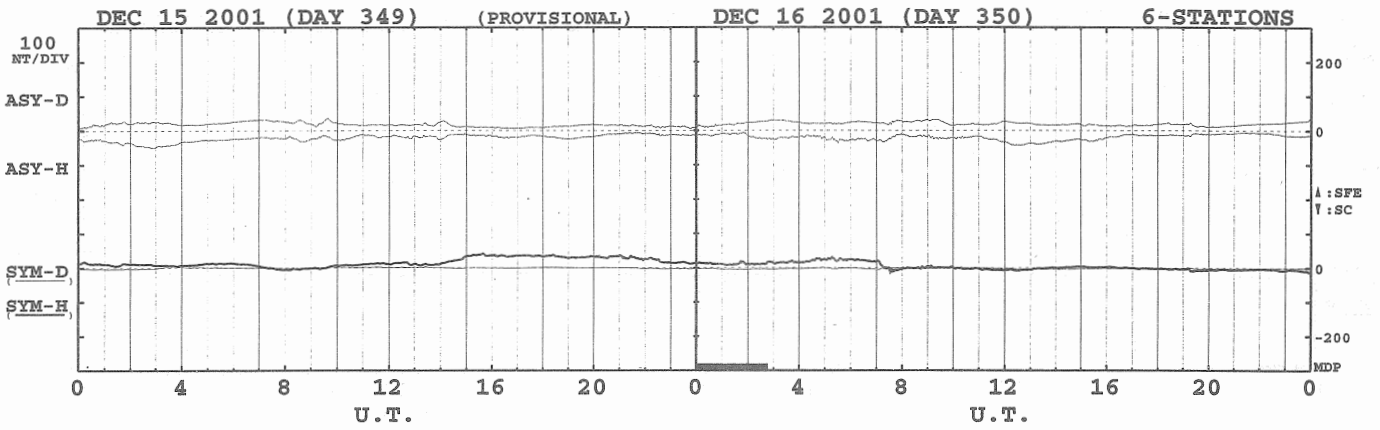
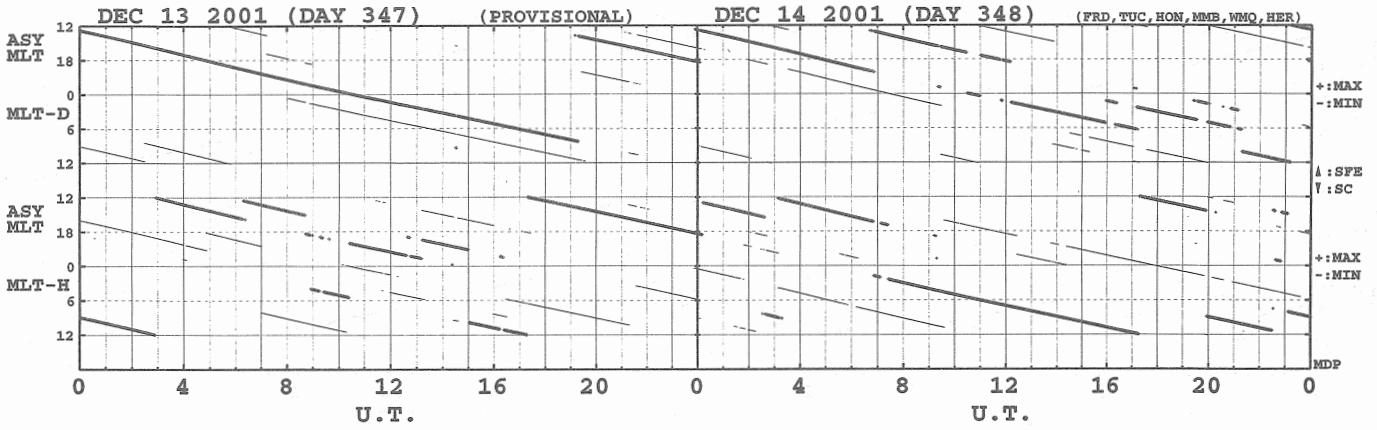
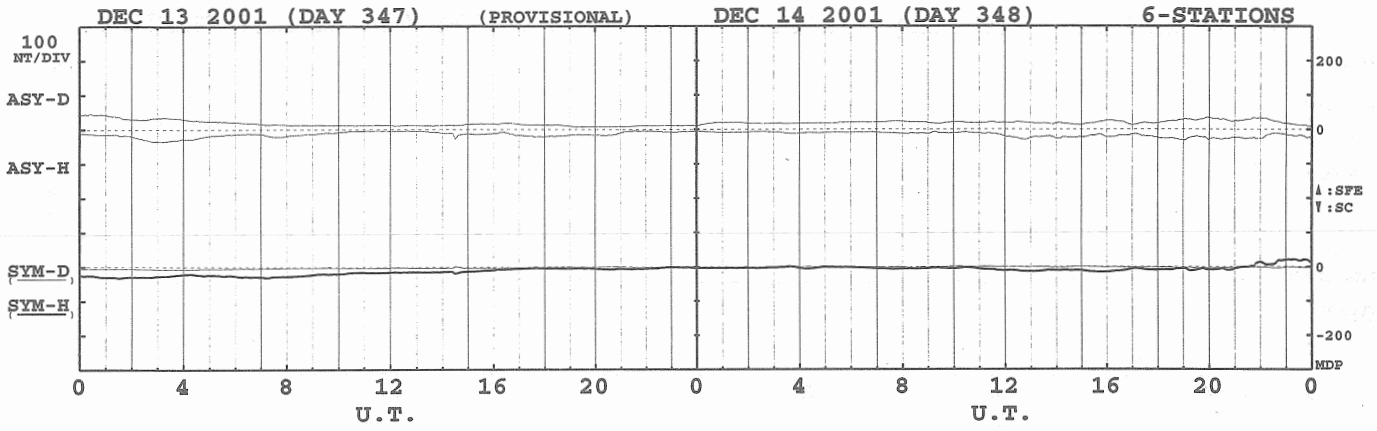


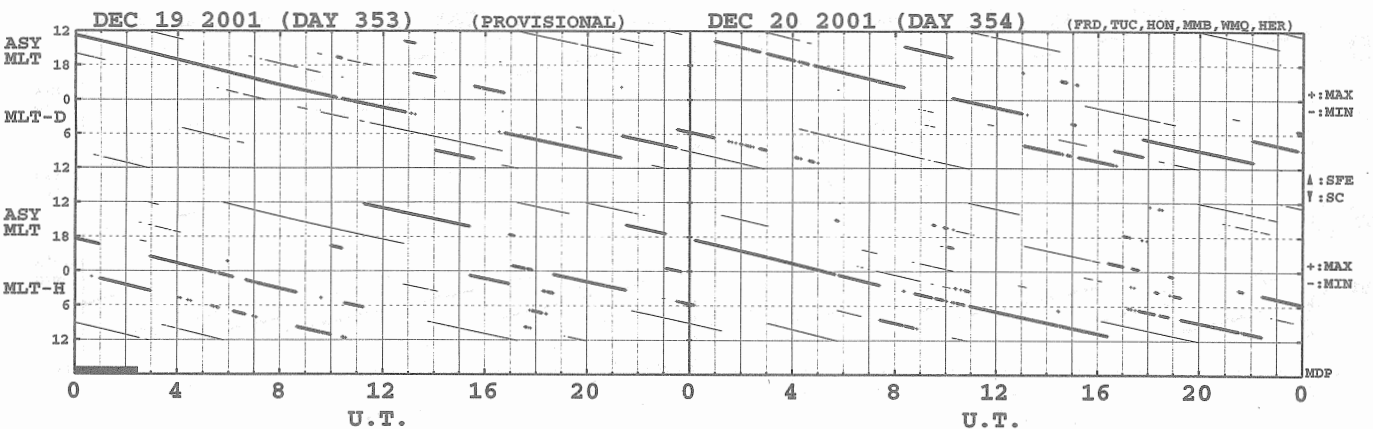
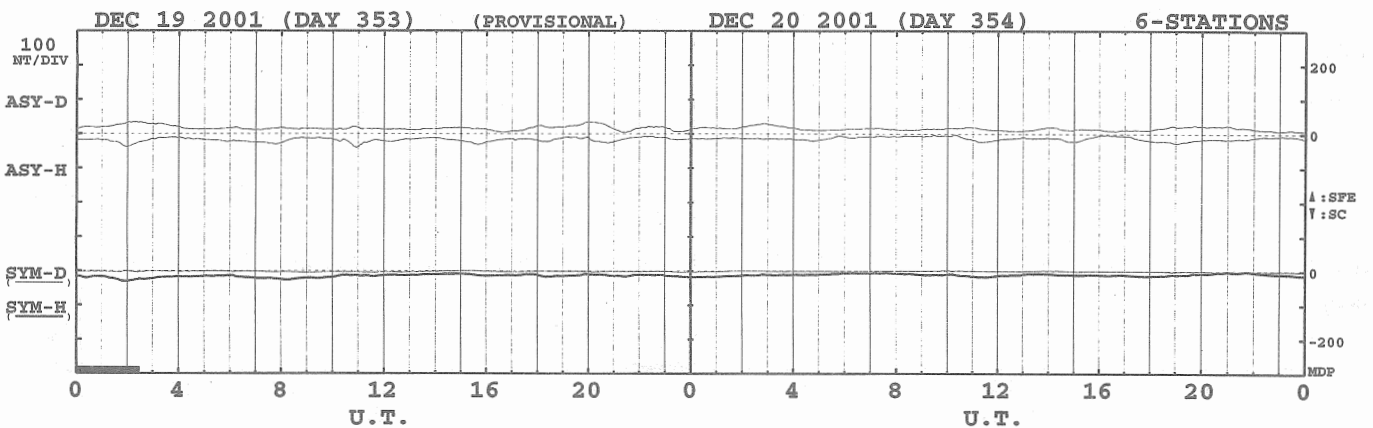
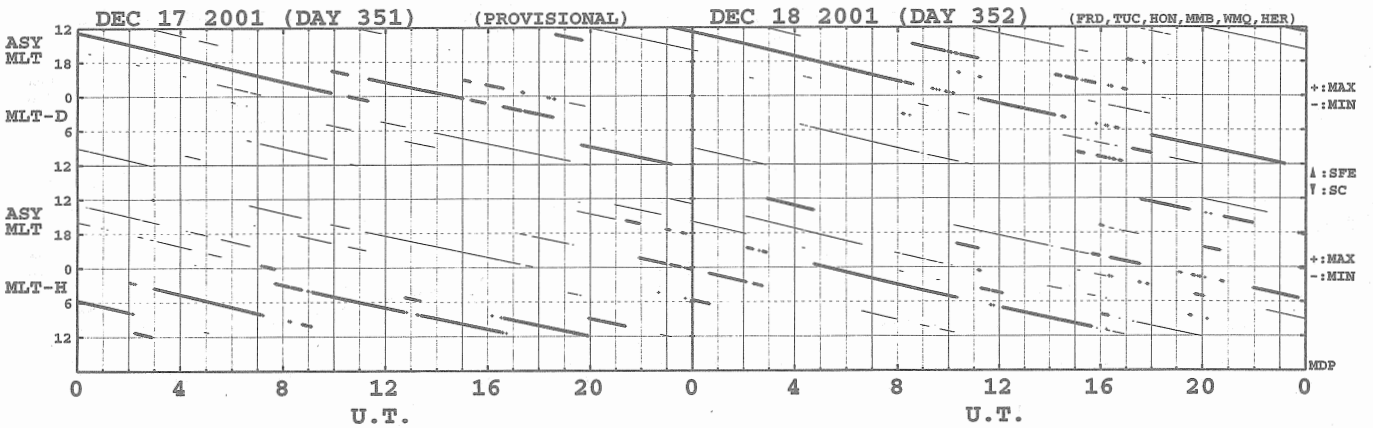
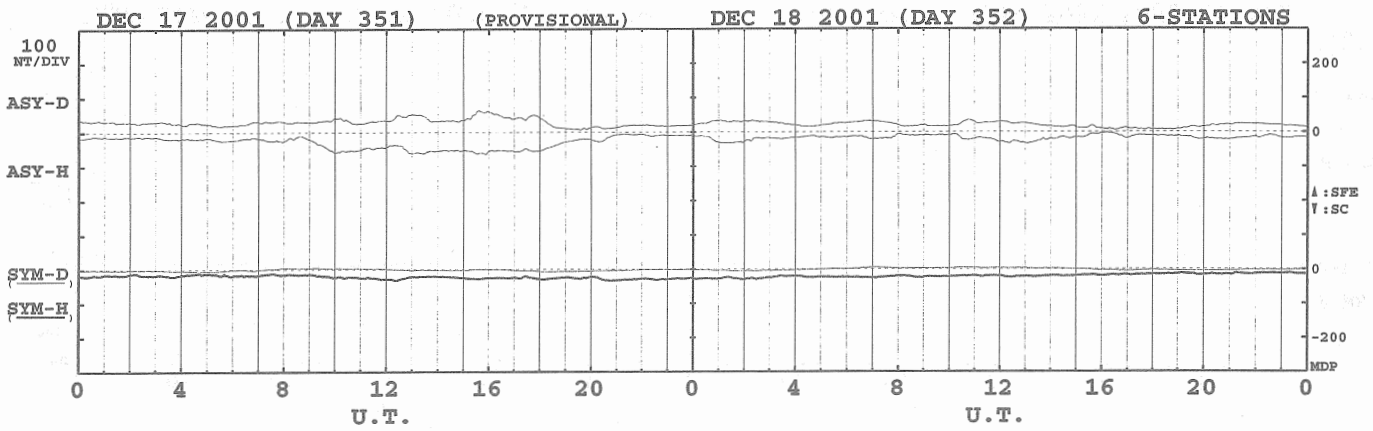


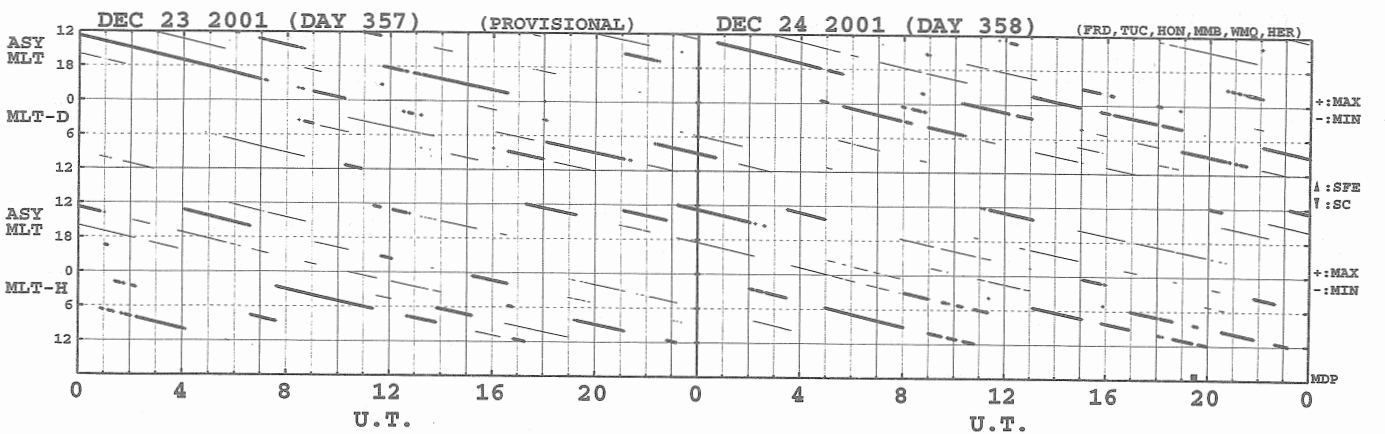
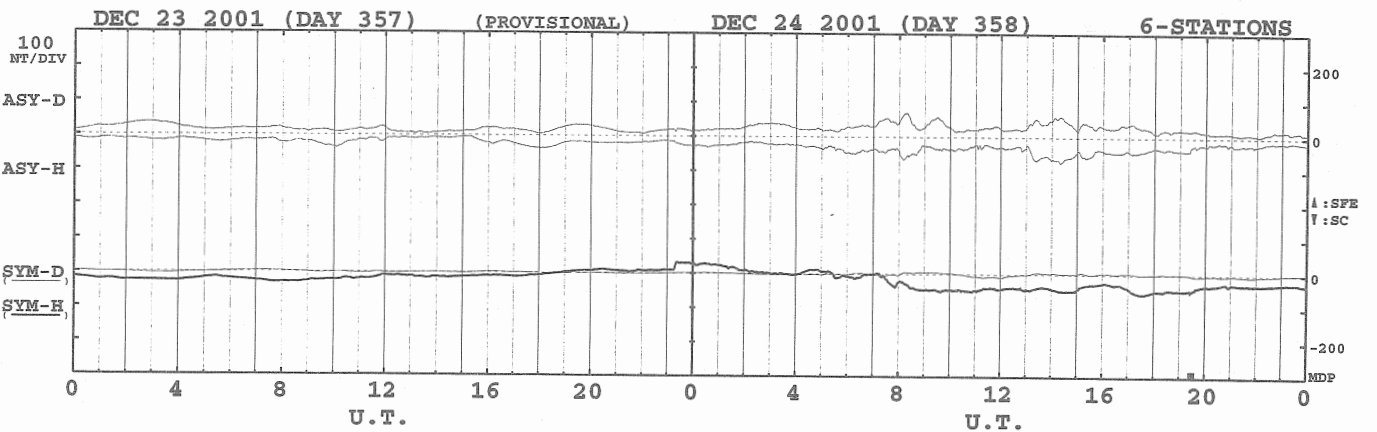
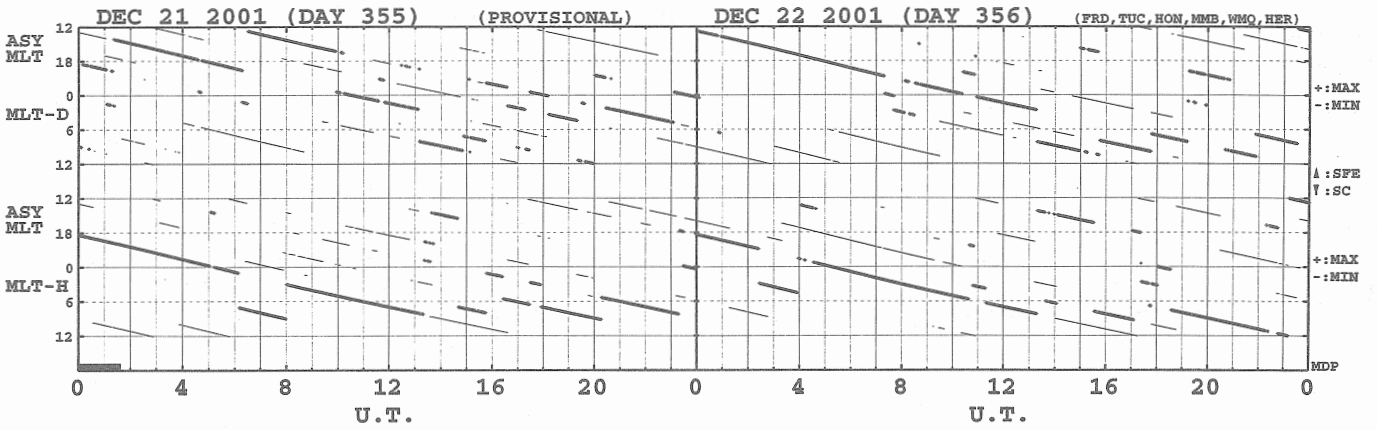
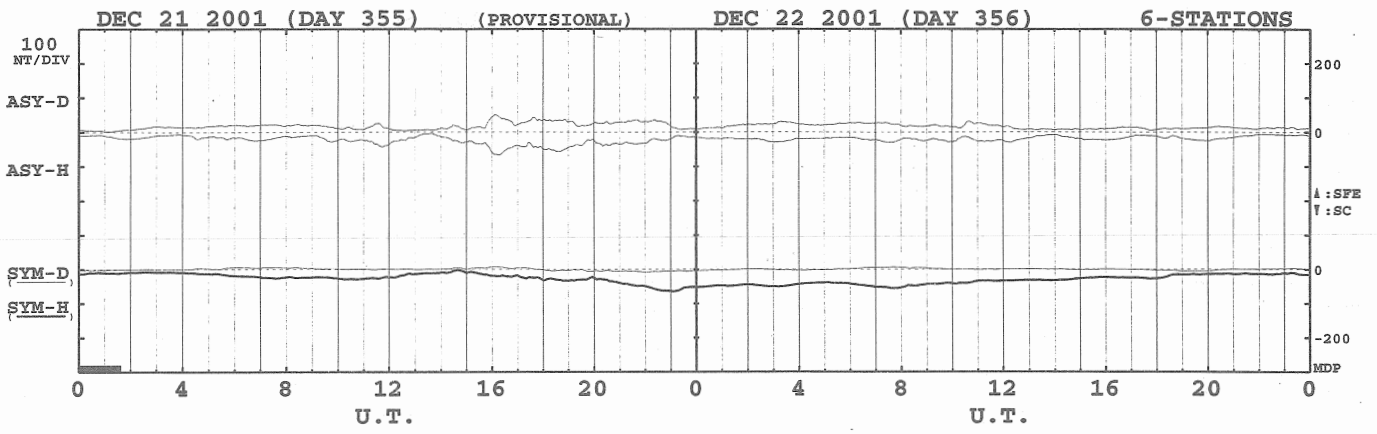


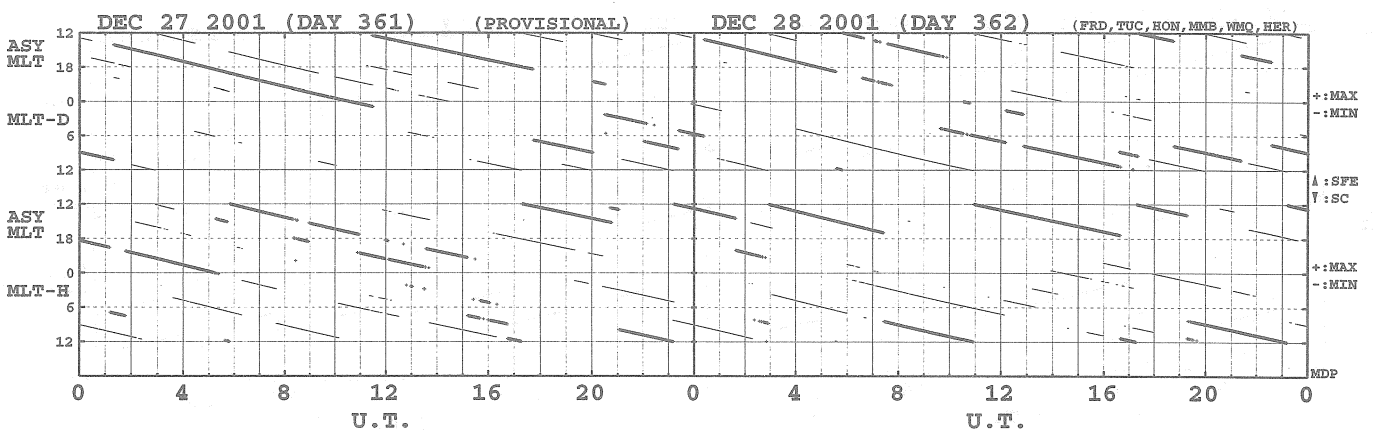
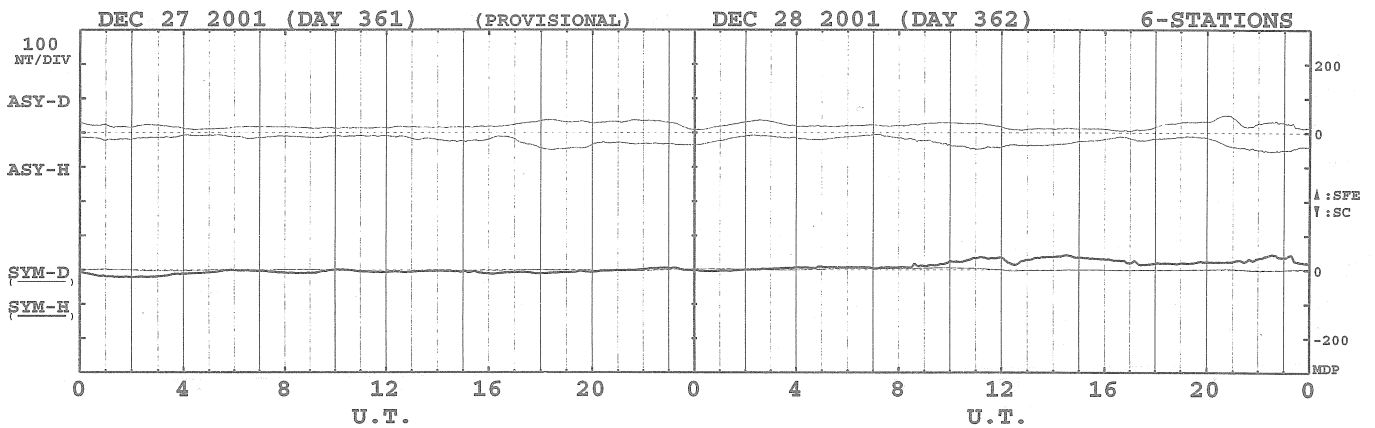
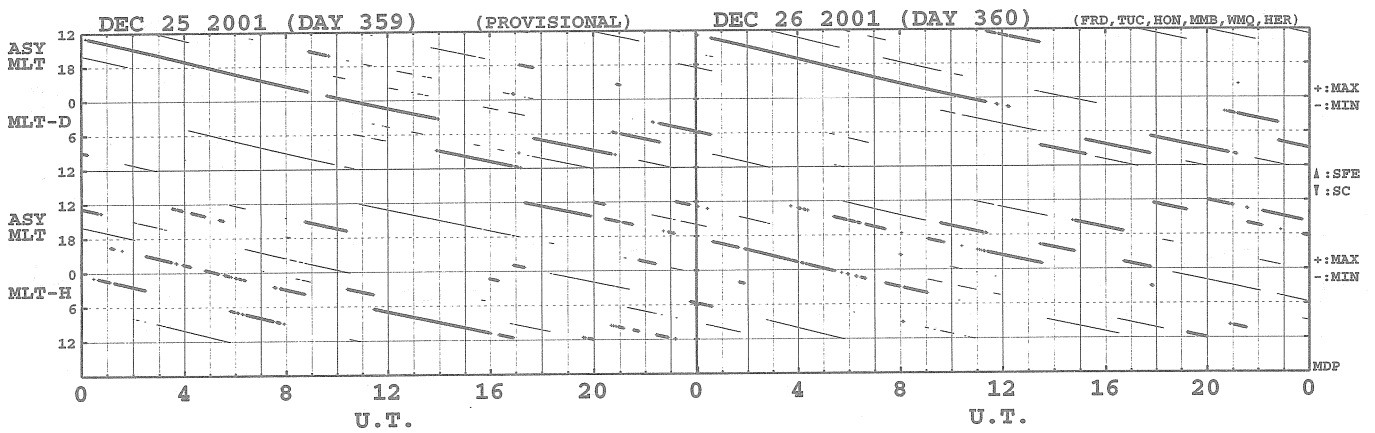
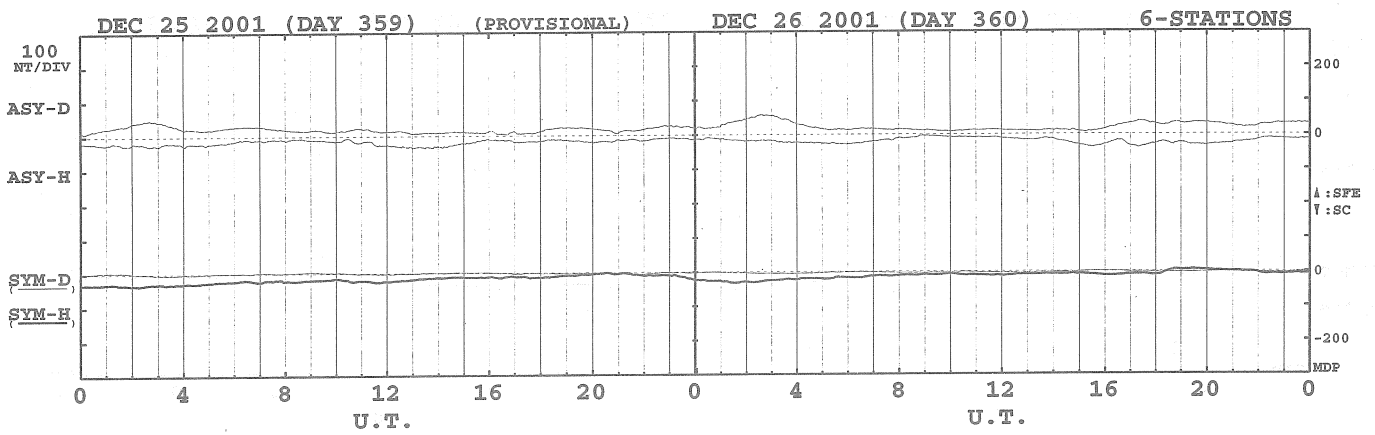


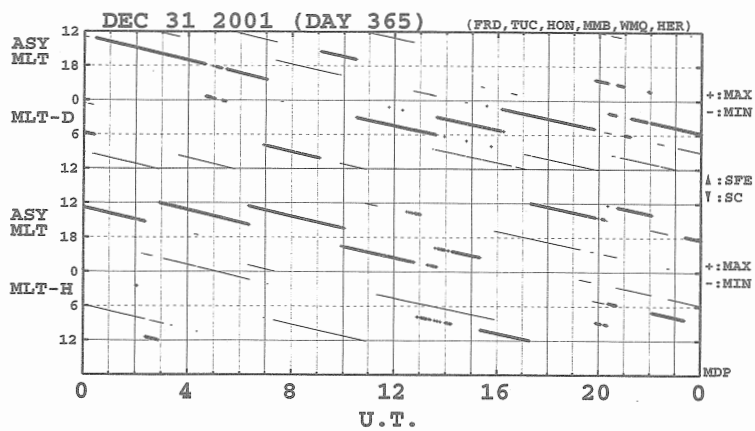
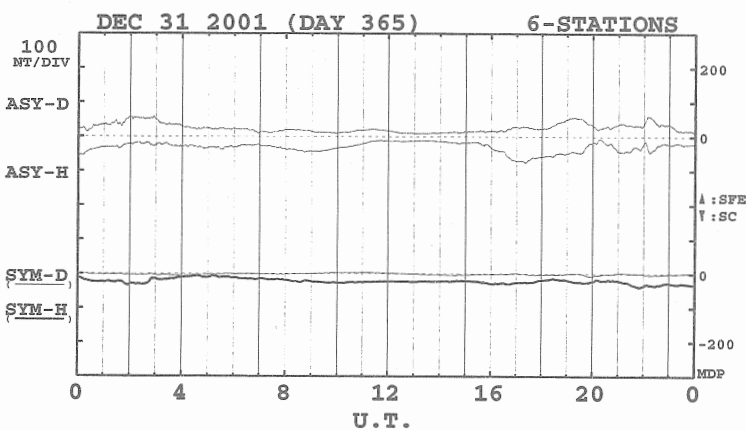
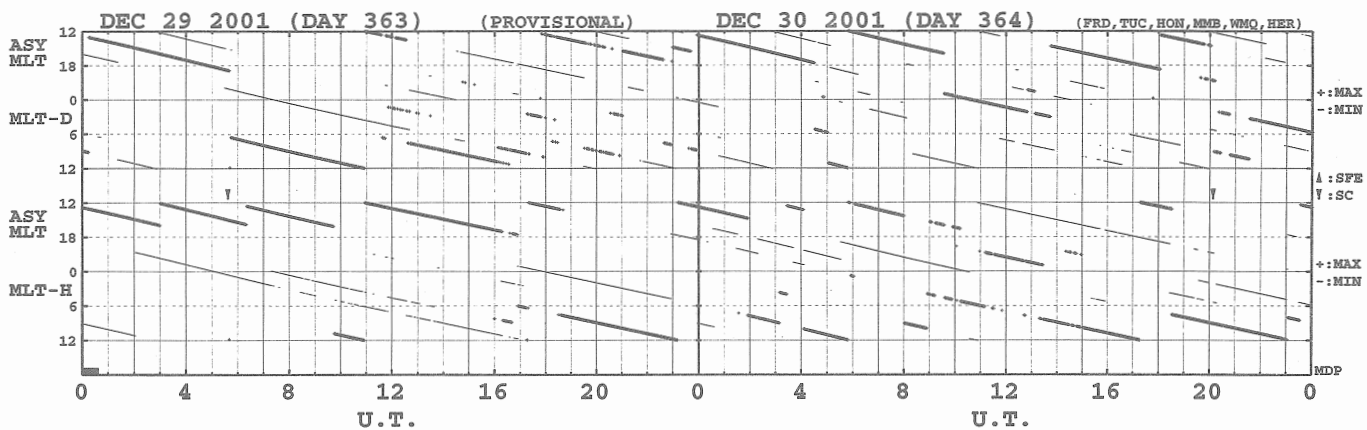
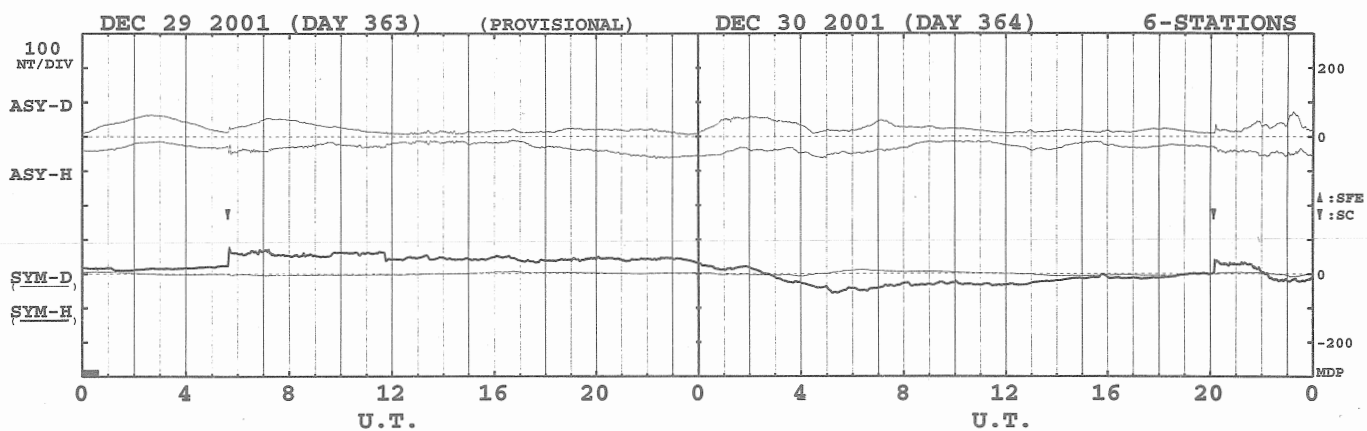














ASY-D INDEX					JAN 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01 Q	13	14	20	20	13	12	18	13	10	15	9	10	13	11	8	5	10	9	15	17	8	17	19	15	13	
02 Q	9	8	7	7	9	11	16	20	18	12	11	13	16	14	10	7	4	7	7	10	15	15	12	12		
03	8	10	15	17	28	44	29	16	8	5	19	7	7	3	5	9	6	3	8	14	14	13	5	14		
04	8	9	16	17	16	17	12	13	10	7	6	6	12	17	16	13	12	13	15	13	12	14	16	11	12	
05	12	15	11	10	12	15	11	12	15	18	14	15	21	24	20	13	11	20	25	23	18	14	13	14	16	
06 Q	10	11	10	19	15	12	14	19	14	18	17	10	10	10	11	9	8	10	13	15	15	15	15	14	13	
07	11	12	13	14	12	9	9	5	3	4	5	4	2	4	7	5	6	7	8	7	6	2	3	3	7	
08	2	3	4	10	9	4	12	17	17	12	6	3	4	4	6	14	12	11	21	19	16	14	19	18	11	
09	14	12	11	14	17	18	21	21	22	23	23	21	16	11	16	18	16	9	12	17	26	28	23	19	18	
10	19	17	16	14	12	17	26	24	21	14	9	11	13	13	10	11	15	20	20	19	20	16	10	14	16	
11	17	14	25	26	21	20	20	13	6	8	6	6	8	11	15	19	20	19	30	20	16	16	15	13	16	
12	15	12	17	14	14	29	30	30	31	31	25	17	13	11	13	10	9	7	12	19	19	14	11	18	18	
13	20	22	17	13	14	13	15	17	16	15	8	7	6	35	23	12	10	10	9	6	12	23	27	23	15	
14	23	9	11	16	11	11	13	11	11	9	11	12	10	10	11	13	9	8	17	18	18	18	24	28	14	
15	25	13	7	11	12	11	17	22	26	23	12	13	17	13	15	21	25	28	31	19	16	18	21	12	18	
16	12	15	10	15	13	9	11	12	12	16	11	9	9	19	20	13	18	20	21	16	11	14	21	22	15	
17	15	13	15	18	18	14	16	16	16	13	15	17	21	27	23	19	14	8	9	17	15	11	17	12	16	
18	11	17	23	23	22	19	19	17	14	15	20	16	15	19	21	17	13	8	10	9	7	14	17	19	16	
19 Q	29	29	22	22	17	18	19	17	17	16	17	16	17	17	19	19	15	7	6	11	13	19	22	16	17	
20	17	15	17	23	21	16	16	11	14	12	12	15	14	23	25	28	29	24	31	19	13	38	29	19	20	
21	21	20	26	26	18	14	29	35	38	44	37	23	38	53	48	52	33	22	52	50	58	45	13	22	34	
22	24	18	24	29	25	21	17	14	16	22	20	20	11	9	14	14	11	12	16	21	19	20	14	16	18	
23	17	16	11	15	20	17	16	16	19	18	17	10	9	8	14	16	24	26	22	23	20	28	17	11	17	
24	14	10	9	12	11	12	13	10	8	9	14	31	37	30	45	44	36	56	24	36	38	29	23	12	24	
25	19	12	12	14	15	15	10	8	14	19	18	14	8	7	11	13	9	13	16	15	17	21	21	20	14	
26	10	18	21	20	17	12	14	13	28	32	30	27	17	11	13	9	10	14	18	13	14	16	18	15	17	
27	9	20	20	19	11	7	16	18	18	23	25	22	12	8	10	10	10	15	25	22	16	12	13	19	16	
28	11	13	11	13	13	13	19	28	27	17	17	14	16	16	9	7	14	13	14	15	11	8	19	15	15	
29	18	22	33	25	27	20	20	19	24	16	16	14	11	9	8	5	8	10	21	19	16	22	22	22	18	
30 Q	20	22	18	22	31	17	14	18	24	16	12	14	13	10	9	5	7	7	6	6	9	16	21	21	15	
31	23	29	24	25	27	17	15	18	32	51	42	33	30	22	24	38	34	48	45	14	19	7	9	15	27	
MEAN	15	15	16	17	17	16	17	17	18	18	16	15	14	16	16	16	15	16	19	17	17	18	17	16	16	

ASY-H INDEX					JAN 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01 Q	16	11	11	11	11	14	16	16	15	22	16	9	7	15	19	13	14	13	15	17	19	12	15	20	14	
02 Q	18	21	22	19	16	14	14	15	16	12	9	9	8	9	11	9	12	11	14	20	17	19	20	14	14	
03	12	21	23	28	48	49	52	52	50	35	28	22	19	19	16	8	3	5	7	6	11	17	22	21	24	
04	20	23	21	18	19	18	23	24	33	25	21	19	10	9	12	12	14	9	20	22	20	22	24	23	19	
05	12	8	7	8	11	13	17	18	23	19	11	13	11	5	9	11	13	16	10	12	18	12	17	11	13	
06 Q	10	14	15	12	11	8	10	10	12	8	3	8	8	6	8	7	5	10	9	8	8	9	14	10	9	
07	9	13	8	13	12	16	21	29	34	32	20	7	4	12	16	9	2	3	4	5	5	8	3	12		
08	9	6	8	11	12	13	17	15	10	5	6	4	7	12	12	14	13	15	24	23	28	29	20	17	14	
09	16	16	9	12	12	11	15	19	22	19	25	28	21	14	14	19	18	22	28	26	16	12	16	10	18	
10	8	7	10	16	15	10	7	10	15	12	12	7	6	13	14	12	17	17	19	15	12	10	5	11	12	
11	21	17	14	13	14	13	14	16	26	28	24	20	17	17	22	24	30	26	31	29	26	22	26	27	22	
12	27	27	23	23	21	21	22	22	24	27	27	29	27	20	21	20	14	16	17	22	27	24	18	14	22	
13	14	11	11	14	17	14	19	24	24	15	16	25	38	36	26	18	18	18	13	12	13	10	10	18		
14	18	11	9	15	28	22	22	25	20	17	22	22	11	13	16	19	22	28	32	25	21	25	24	16	20	
15	11	10	9	9	12	16	17	23	31	36	33	27	29	24	26	28	36	39	32	21	16	18	19	15	22	
16	15	14	11	8	7	8	8	11	20	34	42	35	33	30	20	18	26	30	26	22	13	11	13	14	20	
17	18	24	16	16	25	22	22	27	33	33	26	26	24	13	9	9	13	18	13	17	24	22	15	12	20	
18	11	14	18	18	15	13	10	14	25	27	26	32	37	29	14	6	11	15	17	13	7	5	7	17	17	
19 Q	9	7	7	9	13	17	19	13	17	26	28	25	18	10	8	8	7	11	10	13	15	15	8	12	14	
20	22	22	15	11	8	7	7	12	29	27	27	21	25	28	47	55	63	52	43	24	17	27	32	30	27	
21	32	33	31	30	20	18	21	33	33	40	60	59	80	95	93	102	70	42	52	63	72	66	34	27	50	
22	31	34	38	26	24	17	16	17	14	11	14	17	17	21	29	34	21	13	15	17	16	17	14	13	20	
23	13	11	17	20	20	16	19	25	27	27	24	10	15	11	14	16	30	45	50	34	40	38	24	28	24	
24	22	15	17	22	19	21	28	29	30	22	19	32	64	67	88	67	61	66	45	41	39	27	26	26	37	
25	24	21	13	10	13	16	15	16	20	29	29	26	29	28	21	10	11	16	30	17	17	14	14	21	19	
26	22	21	13	15	17	20	27	30	44	33	27	26	22	26	41	31	26	20	26	27	29	20	19	32	26	
27	33	28	22	17	20	15	14	18	22	31	34	31	26	17	10	11	10	13	18	14	15	14	21	22	20	
28	17	12	16	15	11	18	19	19	18	18	18	23	25	25	18	28	25	22	27	30	37	32	36	47	23	
29	35	24	55	52	31	30	28	21	28	29	23	27	20	18	21	17	15	15	20	10	22	24	18	18	25	
30 Q	10	13	14	14	18	17	10	9	12	12	16	26	28	23	10	10	7	6	10	9	9	11	14	16	13	
31	13	11	13	13	13	11	14	13	13	70	80	73	55	49	60	63	60	57	72	47	58	40	23	22	39	
MEAN	18	17	17	17	17	17	18	20	24	25	25	23	23	23	24	23	22	22	24	21	22	21	18	18	21	

DAY	ASY-D INDEX										FEB 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01	21	18	23	21	22	24	22	16	19	29	39	22	13	14	15	14	9	10	10	14	25	41	37	24	21
02	12	9	16	20	28	19	12	9	16	29	34	19	12	18	24	22	15	13	12	14	24	34	29	15	19
03 Q	12	13	16	11	10	12	9	11	8	8	7	9	15	14	14	11	10	11	15	23	36	32	21	14	
04 Q	11	9	22	22	14	11	15	13	12	18	18	17	9	11	14	15	13	20	17	16	10	9	9	7	14
05	15	23	22	13	16	36	41	40	33	20	6	4	6	12	13	13	11	10	15	20	21	25	27	37	20
06	44	32	23	14	18	22	27	27	25	32	33	27	13	6	5	10	14	17	19	19	17	28	19	23	21
07	28	21	14	11	17	12	12	19	31	36	23	12	13	9	9	9	8	7	8	11	17	24	22	16	16
08	10	10	11	8	7	7	7	6	9	15	17	13	8	6	4	7	14	15	20	20	15	16	18	20	12
09	13	12	17	24	25	22	20	21	16	13	10	5	6	9	11	8	11	14	19	20	17	15	12	13	15
10	7	9	12	15	11	7	11	18	19	17	16	17	16	14	12	12	18	24	22	16	15	11	11	17	14
11	19	25	31	25	15	9	15	18	20	16	16	16	10	15	11	5	8	19	32	28	23	22	20	18	18
12	15	15	12	8	10	8	7	9	11	11	6	6	7	8	8	5	10	13	18	19	16	17	15	26	12
13	31	28	28	19	23	31	38	18	19	18	29	18	15	18	17	9	12	13	19	19	23	30	42	45	23
14	44	46	44	32	25	29	15	11	13	9	33	27	26	31	44	46	38	30	19	23	19	27	27	21	28
15	21	20	15	12	8	7	14	16	15	12	12	11	10	8	9	7	7	6	8	9	14	20	25	23	13
16	21	18	18	9	9	9	6	7	11	15	11	8	9	10	9	9	9	7	9	8	4	16	12	10	11
17 Q	5	9	18	16	11	8	9	7	7	7	8	10	13	15	14	12	10	11	17	11	8	7	4	7	10
18 Q	7	20	25	15	7	11	5	4	7	9	14	15	9	15	15	16	13	11	18	18	9	6	11	10	12
19	6	19	29	22	24	22	13	11	12	12	13	11	11	11	15	12	19	24	25	17	12	9	16	30	16
20	40	43	33	14	9	12	14	15	20	23	21	31	21	11	15	14	8	4	7	15	16	15	17	22	18
21	19	32	37	26	13	17	14	11	14	12	14	18	19	34	20	11	8	6	11	12	13	22	30	27	18
22	25	35	36	18	11	15	17	24	23	16	14	20	13	11	14	15	23	24	27	34	46	30	22	24	22
23	27	30	30	25	22	17	17	12	22	30	20	25	17	16	19	20	23	23	14	11	13	11	28	40	21
24	39	39	36	20	22	32	32	27	25	19	15	11	13	16	23	23	20	22	17	9	11	10	8	11	21
25 Q	13	12	9	5	2	5	7	4	7	7	9	10	8	8	11	10	12	19	20	12	15	22	21	10	11
26	5	14	20	17	11	20	30	31	32	33	20	12	14	14	20	25	24	34	26	33	48	49	38	20	25
27	18	23	28	14	15	21	19	19	15	23	13	21	21	15	20	17	14	20	33	35	27	20	11	5	20
28	8	12	20	21	14	9	10	11	19	19	22	33	30	21	22	22	15	21	27	20	14	12	14	5	18
MEAN	19	21	23	17	15	16	16	16	17	18	18	16	13	14	15	14	14	16	18	18	18	21	21	20	17

DAY	ASY-H INDEX										FEB 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01	23	19	14	26	46	57	53	41	28	28	29	21	17	18	18	21	22	23	24	31	23	9	6	7	25
02	7	19	33	25	18	11	8	12	12	15	24	24	12	10	17	31	39	31	18	16	18	14	14	14	18
03 Q	6	9	14	20	25	21	18	23	22	20	15	10	12	9	9	10	22	27	20	18	19	20	20	22	17
04 Q	18	15	15	16	17	18	6	3	3	7	18	15	6	9	16	23	30	28	21	19	15	10	12	16	15
05	14	13	13	9	16	22	25	20	12	11	11	9	7	6	10	7	8	16	13	8	11	11	13	12	12
06	23	29	29	24	24	40	44	39	35	32	36	33	30	19	20	27	32	23	20	17	26	30	22	18	28
07	19	15	19	17	11	9	17	22	24	25	14	18	20	15	12	12	13	9	14	9	14	11	8	15	15
08	6	4	9	17	20	22	20	21	22	24	26	14	9	9	7	8	11	12	12	17	9	6	14	20	14
09	13	13	14	15	15	16	21	23	28	30	32	26	29	30	26	25	23	20	14	8	5	7	9	10	19
10	13	12	12	11	8	12	18	17	8	14	22	25	10	7	10	17	22	23	23	23	18	12	8	6	15
11	12	15	18	14	7	9	20	28	25	23	16	13	7	5	11	21	27	23	18	22	19	10	6	7	16
12	10	10	13	12	19	28	31	32	28	24	25	13	4	4	12	17	22	26	31	36	42	36	29	21	22
13	22	17	17	10	13	29	31	22	21	37	38	26	20	28	29	26	23	25	28	83	55	25	27	18	28
14	18	29	38	26	25	34	30	24	18	26	39	35	43	41	51	71	73	55	18	25	16	16	29	15	33
15	11	13	21	26	27	24	28	18	13	18	15	16	13	16	15	16	13	12	14	17	21	22	18	9	17
16	8	10	16	19	21	18	10	6	5	6	8	7	9	22	29	31	27	20	12	11	17	20	18	16	15
17 Q	13	8	12	21	30	28	23	21	19	16	12	8	9	13	18	20	23	28	30	24	16	16	14	10	18
18 Q	11	15	15	13	12	8	6	7	7	12	16	19	15	13	23	40	49	40	31	23	20	16	22	24	19
19	21	14	14	15	19	22	22	21	15	10	18	26	29	29	44	49	53	50	39	30	27	18	11	14	26
20	16	23	36	35	37	26	16	14	8	16	24	43	35	23	20	20	20	17	15	20	26	28	26	23	24
21	22	25	28	27	20	17	16	17	25	31	40	32	22	28	27	25	26	21	23	26	25	17	16	15	24
22	14	13	16	19	20	18	18	15	9	15	11	8	12	13	11	16	15	20	28	31	31	26	27	25	18
23	32	46	37	38	30	25	16	19	22	20	18	20	13	10	14	22	22	22	22	21	22	19	23	29	23
24	32	39	40	27	25	27	25	21	13	6	9	11	12	14	13	13	19	20	18	16	16	19	18	12	19
25 Q	8	4	4	5	6	6	5	8	10	5	7	14	19	24	27	26	25	21	14	11	9	10	16	23	13
26	26	22	21	21	9	25	33	36	31	27	25	21	17	11	13	16	35	25	13	24	40	43	28	13	24
27	28	27	20	12	29	33	37	45	33	33	29	21	16	15	9	8	20	21	20	15	8	10	15	20	22
28	26	25	21	20	17	20	27	32	28	24	19	17	18	10	30	26	8	10	24	25	14	14	14	20	20
MEAN	17	18	20	19	20	22	22	22	19	20	21	19	17	16	19	23	26	24	21	22	21	18	17	16	20



DAY	ASY-D INDEX										MAR 2001										(PROVISIONAL)					nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	35	40	33	23	14	18	16	18	20	16	10	8	8	8	14	22	23	26	31	33	28	16	19	33	21	
02	34	29	13	12	17	22	15	14	10	12	14	12	9	7	13	18	20	26	19	42	30	16	21	33	19	
03	47	41	25	14	10	11	10	11	11	10	12	30	34	23	12	15	15	13	12	14	12	9	8	12	17	
04	21	28	15	10	10	15	28	29	29	30	34	22	19	39	29	28	26	18	18	17	31	23	38	40	25	
05	67	55	30	30	21	9	12	39	45	24	26	15	10	16	22	24	17	19	14	14	15	11	13	27	24	
06	33	27	19	8	10	11	12	10	15	19	14	10	9	11	15	25	26	23	24	31	34	20	19	29	19	
07	32	26	12	4	8	9	14	8	8	7	8	11	8	8	13	16	13	22	27	23	27	26	20	12	15	
08	14	13	14	17	10	6	11	7	8	19	14	10	8	7	11	19	13	15	18	21	15	15	18	15	13	
09	18	16	9	12	14	10	8	8	9	7	7	6	6	6	8	14	6	7	7	8	15	22	24	15	11	
10 Q	9	6	8	13	11	7	10	10	11	10	8	7	6	6	6	8	5	5	8	6	8	11	18	21	9	
11 Q	17	8	8	8	7	8	14	10	8	9	11	9	10	7	8	7	6	7	9	10	15	22	17	10	10	
12	14	17	14	8	14	16	23	27	19	15	17	23	19	10	12	11	8	10	12	23	21	17	20	26	16	
13	30	31	30	30	25	23	14	11	13	19	22	21	14	8	7	9	9	12	8	7	9	9	9	10	16	
14	26	34	33	28	22	23	16	15	12	15	17	13	9	11	10	15	16	17	18	19	19	13	12	19	18	
15 Q	14	13	13	11	12	16	14	9	10	10	9	10	10	9	11	13	8	11	15	9	6	12	15	17	11	
16	16	12	13	12	8	7	7	8	6	6	9	10	8	8	7	10	15	20	22	19	10	10	13	24	12	
17 Q	26	22	17	12	11	12	12	18	19	17	14	9	8	9	10	9	7	12	12	7	15	20	13	9	13	
18	7	12	28	34	33	37	34	20	17	9	9	15	16	15	17	16	13	12	16	15	7	9	9	8	17	
19	16	18	22	28	36	43	32	25	16	14	15	14	16	36	40	24	28	81	63	49	52	57	52	35	34	
20	38	56	49	44	56	50	49	61	66	66	82	81	127	104	102	120	89	86	66	50	42	38	46	66	68	
21	81	67	50	36	22	22	34	41	29	17	14	14	15	17	19	20	21	21	21	20	18	18	22	22	28	
22	22	20	25	31	26	28	23	12	7	7	11	17	15	15	13	14	30	30	26	24	19	20	20	19	20	
23	22	21	16	25	52	33	45	51	29	42	36	30	32	27	40	55	62	24	27	31	35	41	30	18	34	
24	19	25	28	28	26	43	45	34	16	12	15	15	18	14	22	25	18	20	18	20	32	33	22	17	24	
25	21	29	30	27	23	16	29	32	35	32	17	8	9	12	12	11	15	18	16	15	13	16	22	16	20	
26 Q	11	26	40	37	31	27	17	14	14	16	10	7	4	5	9	9	8	10	17	10	8	19	31	30	17	
27	17	15	27	25	27	35	24	21	26	25	22	27	22	18	14	14	12	15	20	30	30	46	34	37	24	
28	37	49	61	52	34	25	19	10	28	40	34	29	34	53	61	48	33	33	31	43	42	23	15	12	35	
29	13	15	26	16	21	33	38	37	28	23	21	18	14	17	19	22	17	13	13	14	14	19	24	28	21	
30	38	45	50	38	20	23	46	51	38	32	14	9	8	9	12	10	13	14	14	15	22	24	30	24	25	
31	44	31	19	38	44	79	143	172	154	131	95	56	67	117	70	97	99	118	101	89	81	84	80	61	86	
MEAN	27	27	25	23	22	23	26	27	24	23	21	18	19	21	21	24	22	24	23	23	23	24	24	24	23	

DAY	ASY-H INDEX										MAR 2001										(PROVISIONAL)					nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	31	23	18	17	18	18	20	22	27	27	21	22	20	17	13	14	18	16	21	13	14	14	14	11	19	
02	22	25	21	17	21	24	27	27	27	29	21	23	20	16	14	14	22	18	21	25	23	20	31	25	22	
03	36	30	20	19	18	23	28	30	32	29	20	33	45	38	20	16	19	14	17	60	39	18	14	15	26	
04	27	43	32	21	19	23	37	32	19	21	41	40	31	28	31	35	33	25	25	23	42	65	45	26	32	
05	54	51	63	44	28	25	18	35	50	38	40	24	17	15	22	34	33	36	33	27	17	9	11	14	31	
06	21	19	15	11	13	16	15	16	18	18	20	19	17	19	19	16	15	15	15	10	13	14	9	9	16	
07	19	22	11	13	17	27	21	17	18	23	22	11	9	14	15	26	24	19	26	32	25	16	10	9	19	
08	15	15	10	11	13	8	10	15	10	14	12	15	15	13	12	22	32	26	20	9	7	15	21	23	15	
09	25	14	10	15	16	16	20	19	16	11	8	6	6	5	6	23	23	15	9	8	10	15	16	16	14	
10 Q	14	16	17	15	13	15	18	20	17	11	11	10	8	11	15	16	19	22	25	25	17	9	6	11	15	
11 Q	14	14	14	15	10	9	9	14	16	13	9	8	9	12	12	14	18	23	26	26	23	22	20	19	15	
12	25	18	14	9	13	17	24	20	11	13	19	36	43	38	31	24	24	33	28	39	41	28	31	25	24	
13	34	32	30	31	34	33	30	20	17	23	27	36	30	23	18	22	22	20	19	17	12	15	19	23	25	
14	29	23	24	21	22	15	14	11	22	21	14	11	11	12	15	14	14	21	25	23	18	14	15	13	18	
15 Q	11	8	7	8	9	10	10	6	6	8	10	6	10	10	7	5	3	4	9	15	16	12	9	9	9	
16	12	9	7	9	9	9	9	7	6	7	9	19	23	20	18	27	31	31	31	24	13	15	11	10	15	
17 Q	12	8	8	8	11	11	12	11	10	9	9	10	6	5	13	15	17	20	28	25	22	25	20	16	14	
18	13	15	26	15	22	19	24	18	22	20	20	18	22	23	29	35	41	37	31	25	22	22	25	19	24	
19	15	10	12	13	11	16	22	31	37	38	26	16	18	48	81	63	59	76	76	67	65	44	51	37	39	
20	33	49	50	49	81	74	65	73	90	126	147	143	156	132	171	118	99	97	87	68	51	39	55	62	88	
21	61	49	43	45	37	35	40	55	47	38	34	38	42	41	33	24	22	21	22	25	28	29	31	36	37	
22	33	29	27	27	28	28	22	21	13	12	11	11	11	14	12	15	32	54	56	57	42	28	28	26	27	
23	20	34	56	32	55	41	37	35	36	29	34	57	50	55	63	70	93	72	45	24	21	13	14	19	42	
24	17	16	17	11	11	29	46	54	46	41	39	23	21	30	29	34	21	17	37	29	19	10	12	14	26	
25	12	16	16	19	22	8	11	15	30	23	25	21	12	14	15	19	23	19	18	15	12	8	10	14	16	
26 Q	9	7	12	16	9	9	10	9	8	9	10	11	12	14	14	14	14	19	25	30	29	22	16	20	14	
27	16	17	33	24	17	19	25	26	27	24	16	11	11	11	13	10	10	18	23	27	52	63	93	49	26	
28	14	17	23	27	23	22	20	23	58	77	49	34	50	69	112	98	73	54	52	39	19	28	21	27	43	
29	28	38	41	29	32	28	31	28	46	40	32	16	17	27	32	28	34	26	20	10	10	15	20	31	27	
30	25	27	38	39	25	24	36	41	30	22	29	36	31	18	13	20	28	31	29	23	18	16	19	16	26	
31	24	71	31	60	69	120	236	191	192	209	181	113	112	120	140	118	123	138	173	222	246	120	100	83	133	
MEAN	23	25	24	22	23	25	30	30	32	33	31	28	29	29	34	32	34	33	3							

DAY	ASY-D INDEX										APR 2001										(PROVISIONAL)					nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	94	103	67	39	19	43	49	41	28	20	22	22	20	17	24	31	31	25	18	26	25	23	17	26	34	
02	38	47	38	34	28	21	18	23	22	17	12	7	8	15	27	29	19	19	16	16	20	33	45	29	24	
03 Q	27	19	18	16	18	16	9	17	22	19	10	7	6	10	12	17	20	20	13	8	16	17	15	15	15	
04	16	16	12	11	17	31	26	9	16	23	24	20	10	13	23	30	23	28	34	29	22	31	32	27	22	
05	23	16	11	12	26	39	21	27	29	18	29	26	11	15	17	15	9	16	36	19	16	16	15	15	20	
06	11	15	13	11	9	19	14	18	24	18	20	13	7	11	8	11	8	20	25	43	20	29	22	18	17	
07	17	11	12	20	26	29	12	24	28	21	11	5	9	7	6	14	15	22	32	37	40	24	21	30	20	
08	25	19	14	14	10	21	18	13	23	18	21	33	24	23	51	40	27	24	21	24	66	38	31	32	26	
09	30	29	17	10	11	31	27	29	17	10	9	19	10	9	20	28	24	23	17	19	22	22	24	21	20	
10	16	18	19	14	20	50	30	14	9	11	10	8	10	19	19	17	17	16	22	11	14	23	23	15	18	
11	15	15	7	13	14	10	16	14	15	16	15	11	12	17	24	28	74	81	76	114	159	136	114	113	46	
12	95	65	47	69	56	39	41	59	46	37	23	15	15	22	22	23	22	19	16	19	18	17	16	14	34	
13	19	28	33	34	35	35	31	23	12	19	85	47	21	37	49	35	28	24	45	68	51	46	28	20	36	
14	27	17	15	26	26	22	24	24	26	20	15	12	17	24	27	34	16	15	24	21	15	11	12	18	20	
15	13	12	14	15	20	16	16	14	17	17	7	16	19	23	21	20	17	13	12	8	4	10	16	15	15	
16	20	18	28	31	28	20	18	19	12	10	12	9	5	6	12	14	15	17	21	13	6	9	16	22	16	
17	17	13	12	17	24	22	20	14	12	8	5	5	11	11	10	13	10	18	26	25	17	12	19	24	15	
18	17	45	33	50	64	58	68	55	49	29	20	12	14	25	30	28	28	29	29	23	18	16	18	22	32	
19	18	17	13	16	20	16	12	15	17	16	11	6	6	12	14	15	16	16	19	13	9	11	17	22	14	
20	19	15	18	22	21	19	11	12	11	7	13	12	11	15	20	22	20	17	17	15	18	12	5	8	15	
21	15	17	22	23	20	19	19	20	13	9	8	6	6	4	10	13	12	25	26	30	27	24	22	22	17	
22	26	21	11	24	35	40	41	49	43	41	33	28	41	59	73	81	72	29	48	52	38	21	27	48	41	
23	52	40	29	29	28	35	37	29	36	41	28	13	11	8	15	14	25	26	13	24	30	24	13	6	25	
24 Q	5	11	18	24	27	28	26	22	21	12	8	6	6	9	8	9	5	7	13	10	12	15	17	14	14	
25 Q	18	18	14	15	7	8	13	12	8	10	10	9	9	9	11	7	7	12	16	11	10	12	9	5	11	
26	6	8	15	19	14	17	17	13	16	10	6	5	10	12	9	10	9	9	16	19	22	21	19	18	13	
27 Q	16	14	14	15	16	17	15	12	6	12	10	15	14	11	7	10	17	24	18	14	10	10	9	6	13	
28	8	10	18	25	33	42	52	44	50	40	20	14	14	25	38	57	37	24	16	7	14	15	20	25	27	
29	17	23	23	36	35	37	32	26	25	21	17	13	12	11	7	10	12	16	21	25	24	15	11	11	20	
30 Q	10	11	14	20	18	10	8	9	10	8	5	8	11	15	17	16	17	24	38	39	36	23	18	22	17	
MEAN	24	24	21	23	24	27	25	23	22	19	17	14	13	16	21	23	22	22	25	26	27	24	22	23	22	

DAY	ASY-H INDEX										APR 2001										(PROVISIONAL)					nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	97	94	86	89	69	90	90	99	70	54	48	48	47	58	56	49	33	27	31	22	21	42	32	58	59	
02	60	59	80	63	66	50	46	40	38	36	29	24	20	16	11	11	19	22	20	23	22	31	33	26	35	
03 Q	29	36	25	22	21	29	26	22	18	18	15	11	10	12	17	27	39	46	41	31	32	31	26	19	25	
04	14	19	12	11	14	12	12	20	20	24	25	22	19	19	21	20	21	32	37	45	24	19	19	15	21	
05	12	13	30	42	34	20	21	49	37	38	59	60	25	17	14	18	26	62	37	38	19	29	41	42	33	
06	10	9	15	13	14	18	19	23	38	30	34	34	21	18	19	13	35	38	31	30	36	46	22	17	24	
07	12	17	25	26	44	40	26	20	12	16	15	14	12	11	11	17	15	33	44	28	40	32	18	21	23	
08	23	29	29	26	24	23	22	23	31	25	24	32	33	52	108	79	45	36	28	24	103	86	47	22	41	
09	12	21	22	29	38	55	49	52	43	29	20	20	13	15	16	63	34	13	16	32	22	31	33	29	30	
10	36	43	41	26	22	18	16	18	17	15	17	21	20	23	15	13	18	34	29	26	27	26	16	20	23	
11	24	21	21	18	15	20	22	12	14	22	29	35	33	31	29	42	218	97	96	128	161	289	210	157	73	
12	136	117	120	132	112	71	66	87	60	55	36	30	29	33	48	47	40	30	21	21	23	23	19	25	58	
13	26	25	28	26	24	32	26	21	19	27	119	96	36	46	83	100	75	65	43	49	45	40	48	47	48	
14	62	60	57	60	49	47	52	45	30	31	27	21	21	16	22	27	23	22	14	16	24	23	22	31	33	
15	36	30	25	30	32	25	29	34	37	32	31	39	39	38	32	33	28	19	18	23	25	22	28	28	30	
16	42	38	48	46	37	21	13	9	12	20	22	26	24	24	16	20	18	16	12	11	12	9	14	24	22	
17	18	16	17	31	36	33	34	33	29	23	23	22	21	17	16	10	18	24	18	18	15	20	26	33	23	
18	25	100	91	102	164	133	99	69	53	39	41	34	29	25	25	23	21	22	23	33	38	41	46	50	55	
19	43	39	36	35	31	27	30	28	12	9	10	9	12	12	10	10	15	14	11	11	13	16	19	14	20	
20	11	15	26	18	25	19	16	23	21	20	24	19	18	11	17	25	23	19	16	10	13	8	8	9	17	
21	9	6	11	25	25	29	29	22	17	16	16	19	23	14	12	22	28	24	20	14	24	24	19	17	19	
22	16	14	19	40	40	40	53	58	63	62	71	65	76	81	86	97	82	58	43	44	51	60	49	59	55	
23	60	59	64	74	73	65	73	49	55	73	63	46	41	25	16	23	16	12	15	19	21	8	9	11	40	
24 Q	13	17	19	13	13	17	22	30	32	22	19	16	11	8	6	7	17	24	28	33	33	30	22	14	19	
25 Q	16	10	9	11	10	9	9	6	7	9	16	21	14	13	19	23	14	9	10	16	15	12	12	13	13	
26	15	13	12	13	12	13	17	19	20	14	14	12	7	7	8	7	13	27	25	12	6	11	11	10	13	
27 Q	12	15	18	15	9	11	17	15	11	13	11	10	9	11	12	7	13	15	13	11	11	10	10	17	12	
28	22	17	16	20	17	43	34	29	43	23	14	50	32	32	81	87	70	41	20	18	19	16	25	26	33	
29	29	38	47	42	30	26	23	18	18	23	24	18	12	12	17	23	16	16	23	16	15	20	20	19	23	
30 Q	19	10	7	13	14	14	12	6	4	3	8	12	15	27	41	47	42	31	25	22	19	22	16	16	19	
MEAN	31	33	35	37	37	35	34	32	29	27	30	30	24	24	29	33	36	31	27	27	31	36	31	29	31	

ASY-D INDEX					MAY 2001																(PROVISIONAL)				nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01 Q		13	15	18	20	20	16	14	10	15	17	15	12	13	14	14	9	8	8	12	34	39	37	33	30	18
02 Q		23	12	4	8	14	16	17	14	13	12	13	13	12	15	12	7	5	11	21	20	17	12	11	14	13
03 Q		14	8	7	10	20	29	25	15	13	10	17	15	9	8	5	8	12	20	23	7	12	16	14	11	14
04 Q		13	13	12	15	11	9	10	6	10	13	10	7	8	14	19	24	19	12	11	17	15	6	6	7	12
05 Q		6	5	11	18	13	12	16	20	21	17	11	10	10	11	8	5	4	8	13	17	15	18	16	18	13
06		13	24	36	33	22	16	14	8	6	15	19	12	10	8	10	13	13	11	13	17	20	21	16	11	16
07		15	17	13	15	27	28	21	26	25	22	15	16	18	23	20	28	25	27	42	46	57	50	34	17	26
08		16	14	10	13	15	13	12	9	11	7	10	11	16	12	15	28	28	23	22	16	11	20	12	14	15
09		21	38	40	61	33	37	39	33	31	40	25	18	33	30	48	40	36	47	38	35	21	18	26	22	34
10		27	58	43	39	37	36	48	36	29	21	19	25	14	14	16	11	18	22	22	29	34	25	23	25	28
11		19	13	12	21	25	19	16	16	16	17	16	16	13	12	16	21	25	25	26	23	28	34	47	40	21
12		26	8	11	16	19	15	21	25	34	37	42	50	40	53	31	19	25	22	23	30	22	18	20	26	26
13		39	38	17	14	24	18	17	13	9	13	15	17	15	12	20	26	18	16	23	21	19	25	26	26	20
14		40	28	34	29	21	8	14	17	15	6	17	16	12	11	12	18	17	16	25	36	37	34	22	12	21
15		13	15	17	17	26	35	33	30	19	13	28	17	8	7	9	10	15	18	14	14	17	16	10	8	17
16		14	15	13	22	35	35	21	18	15	18	15	12	8	8	9	13	20	22	33	38	41	37	30	24	22
17		21	18	18	13	27	36	31	24	14	9	10	10	11	8	10	8	8	15	23	16	16	18	16	12	16
18		10	10	16	9	17	33	31	27	19	10	7	11	11	10	11	9	11	9	11	12	13	15	35	31	16
19		18	13	21	15	13	17	15	14	16	12	9	9	6	12	11	13	25	27	15	16	25	33	33	23	17
20		11	10	13	26	43	49	45	32	21	15	9	9	10	25	43	43	32	18	11	15	15	14	11	10	22
21 Q		11	10	15	24	21	21	15	13	15	16	19	13	7	6	10	11	19	15	19	33	37	26	20	29	18
22		34	34	39	25	12	6	10	16	14	16	20	22	19	16	12	20	28	32	24	20	28	28	22	13	21
23		14	29	26	16	7	7	5	6	5	5	9	8	11	10	11	15	19	20	18	16	22	26	18	10	14
24		12	15	16	18	15	11	9	9	15	14	10	6	6	10	16	14	16	13	9	12	14	25	27	24	14
25		23	20	23	29	23	12	10	9	7	8	19	14	17	11	19	13	19	17	18	13	14	13	16	12	16
26 Q		11	12	18	17	12	7	10	13	12	10	9	8	9	11	14	17	10	18	23	19	9	10	17	20	13
27		15	15	15	24	32	37	35	26	10	12	13	9	12	12	14	27	15	11	11	20	25	12	5	7	17
28		12	16	14	16	16	11	8	13	15	18	16	21	29	21	30	30	22	19	19	21	35	30	20	26	20
29		33	27	29	27	23	18	16	23	29	24	12	9	10	10	20	14	9	14	21	19	10	12	14	9	18
30		14	14	12	22	34	40	34	24	15	10	8	8	9	8	10	9	13	16	18	11	12	11	14	15	16
31		16	21	23	20	26	33	34	31	29	19	14	12	13	13	12	14	8	6	5	12	22	25	21	17	19
MEAN		18	19	19	21	22	22	21	19	17	15	15	14	14	14	16	17	17	18	20	21	23	22	20	18	18

ASY-H INDEX					MAY 2001																(PROVISIONAL)				nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01 Q		17	17	10	7	13	13	14	16	12	12	18	15	9	11	13	13	13	8	11	15	12	11	14	15	13
02 Q		21	23	28	22	18	16	15	17	12	13	9	11	6	9	14	11	9	10	5	10	16	15	8	5	13
03 Q		7	12	13	9	15	16	15	12	7	5	18	29	13	12	21	26	34	27	18	17	9	4	9	12	15
04 Q		11	6	8	9	10	17	26	22	24	24	23	24	18	11	10	10	8	14	16	13	9	10	13	12	15
05 Q		11	11	17	23	21	22	18	15	10	6	7	5	4	5	13	21	22	23	20	16	13	16	18	21	15
06		18	15	16	13	16	28	34	29	18	10	8	14	23	23	22	9	16	15	12	7	14	17	14	6	17
07		10	15	33	43	49	37	35	41	46	27	17	23	22	28	21	23	25	35	27	17	13	13	15	17	26
08		21	20	16	22	38	44	46	47	42	32	32	33	38	32	22	44	59	45	48	54	37	39	51	56	38
09		45	70	67	87	79	60	49	27	23	46	23	26	63	42	66	57	40	54	55	49	42	41	34	40	49
10		47	63	82	73	75	100	78	66	42	50	54	43	41	44	50	46	46	42	30	36	40	34	44	54	54
11		34	30	35	42	47	48	50	46	38	31	27	27	29	31	33	31	35	44	36	29	33	32	35	30	35
12		40	26	38	47	56	53	57	56	68	77	90	66	82	86	81	61	50	52	32	43	26	44	46	33	55
13		30	38	39	47	66	60	47	36	36	35	36	37	32	35	51	49	47	54	47	38	43	29	27	45	42
14		33	34	48	59	61	37	45	29	18	13	15	14	15	14	18	12	6	6	8	19	16	9	6	13	23
15		17	17	17	13	18	23	22	30	17	17	26	23	16	13	11	11	15	12	22	18	22	24	19	22	19
16		27	7	14	16	26	35	30	30	29	31	21	14	8	14	17	15	11	19	24	25	18	9	10	13	19
17		18	15	19	21	24	17	17	16	16	21	24	16	12	10	17	21	22	21	21	17	21	21	24	21	19
18		19	19	22	28	31	25	19	15	11	11	10	10	14	13	12	18	28	25	18	17	19	13	21	28	19
19		20	31	34	32	34	28	19	10	13	12	8	10	14	12	22	27	30	28	18	11	10	8	22	33	20
20		34	29	24	27	31	31	29	12	9	12	14	13	10	14	14	30	40	41	32	21	15	13	13	16	22
21 Q		17	15	17	20	16	7	9	10	12	16	17	18	14	14	6	9	7	8	10	9	21	30	29	26	15
22		24	34	37	31	20	14	11	18	21	24	19	19	24	27	27	20	16	12	13	20	24	28	35	27	23
23		17	23	29	33	27	13	8	10	12	17	18	14	19	14	13	21	12	11	14	14	14	9	8	11	16
24		8	11	11	11	9	9	7	8	12	13	13	10	19	23	23	20	17	20	20	23	30	26	25	16	16
25		11	12	15	13	4	3	6	10	12	12	10	16	20	19	13	14	10	8	12	26	31	27	29	31	15
26 Q		30	28	26	24	21	10	10	11	14	9	8	14	11	13	14	13	12	17	21	18	17	10	13	14	16
27		10	11	11	10	15	21	20	15	12	8	7	8	6	10	12	38	12	13	14	12	21	31	28	23	15
28		19	19	17	26	28	24	19	15	12	18	26	38	37	45	48	50	48	52	37	30	40	48	55	44	33
29		48	27	25	24	25	30	31	30	24	17	9	9	14	18	45	53	54	44	31	17	14	15	9	10	26
30		8	9	9	11	19	19	17	15	8	5	7	11	18	14	28	43	35	28	23	15	11	11	12	10	16
31		7	5	10	23	29	32	27	21</																	

DAY	ASY-D INDEX										JUN 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01	22	12	7	9	14	16	16	17	17	14	14	17	9	11	10	11	14	20	25	25	24	19	14	16	15
02	24	24	31	23	24	25	31	32	33	32	25	30	18	18	8	6	14	14	18	18	24	24	27	39	23
03	47	38	28	25	29	25	24	20	16	17	17	15	11	8	9	9	15	18	21	19	22	25	21	15	21
04	18	18	15	10	9	10	10	11	18	17	18	17	16	9	7	7	9	20	20	16	12	13	13	22	14
05	31	33	27	23	20	18	16	14	18	21	15	17	16	14	14	12	11	15	23	23	21	30	24	23	20
06	28	24	22	24	22	15	12	15	18	18	16	15	19	17	9	11	12	22	27	31	33	35	25	17	20
07	25	21	15	21	18	16	20	14	16	22	30	26	12	11	14	15	15	24	29	23	28	34	30	26	21
08	21	20	23	24	24	16	18	31	33	28	14	10	13	13	13	18	19	19	16	16	19	27	19	11	19
09	14	9	12	20	41	32	35	39	41	36	17	21	26	17	19	17	11	20	25	34	33	22	34	23	25
10	31	52	24	15	16	23	28	32	20	13	13	16	12	10	12	13	8	4	5	8	12	21	21	16	18
11	21	28	31	25	29	22	13	10	11	10	17	19	13	15	17	15	18	29	27	15	7	9	13	16	18
12 Q	12	19	18	18	24	22	13	11	10	12	16	11	8	8	12	15	15	12	13	8	20	24	24	27	16
13	28	27	29	34	36	30	21	21	21	16	16	18	21	16	17	20	19	24	28	25	24	33	27	23	24
14	16	12	11	8	15	23	29	35	33	20	16	10	11	12	7	6	9	12	6	11	22	25	21	12	16
15	11	17	22	22	21	16	13	15	9	11	20	21	13	8	11	12	13	20	23	24	19	12	8	8	15
16	14	20	32	39	39	27	20	15	21	17	15	10	10	14	13	10	9	11	18	33	33	16	8	10	19
17	11	9	11	24	26	12	8	11	15	17	14	9	12	8	12	8	12	18	13	16	17	16	11	16	13
18	20	18	14	28	28	28	31	51	48	39	57	49	37	31	32	27	18	12	16	24	23	20	21	24	29
19	35	42	21	12	16	17	16	18	15	12	13	14	16	18	23	27	19	12	9	8	9	22	29	33	19
20	34	21	22	26	22	17	17	11	34	23	18	12	15	16	13	8	16	20	16	15	14	13	12	21	19
21	24	20	13	14	15	16	16	13	18	19	22	17	12	12	15	13	12	12	14	18	14	14	12	21	16
22 Q	31	38	38	32	23	20	20	12	15	15	14	13	15	14	14	16	12	11	9	8	12	13	18	18	18
23 Q	18	10	5	9	12	12	9	8	12	11	6	5	11	10	14	15	10	20	23	14	10	17	21	28	13
24	37	38	32	34	35	22	13	14	14	18	15	18	11	7	10	16	19	16	13	31	43	34	18	7	22
25	8	11	8	18	27	24	14	13	21	23	27	24	17	7	11	13	10	15	12	15	22	21	9	9	16
26	17	15	12	14	24	28	26	21	26	29	32	26	13	17	20	20	24	29	23	15	28	32	31	27	23
27	21	35	34	28	18	21	22	24	24	28	33	30	21	18	17	18	16	9	5	6	10	16	23	27	21
28 Q	23	22	21	14	10	12	14	22	18	17	17	16	17	16	17	17	12	9	7	9	19	29	29	25	17
29 Q	20	17	12	14	9	11	21	23	21	21	20	21	20	18	21	24	18	10	23	22	16	9	18	30	18
30	25	21	15	5	11	16	22	31	23	14	24	29	23	29	37	26	19	21	21	13	15	21	28	30	22
MEAN	23	23	20	20	22	20	19	20	21	20	20	18	16	14	15	15	14	17	18	18	20	22	20	21	19

DAY	ASY-H INDEX										JUN 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01	23	19	17	14	15	16	20	17	19	20	26	34	38	36	28	23	22	20	16	19	15	16	21	17	21
02	33	49	56	39	42	39	33	27	29	29	28	42	46	25	15	16	15	15	14	15	26	34	41	32	31
03	15	10	11	15	20	28	30	27	29	31	33	29	26	21	18	20	19	19	19	12	18	18	19	18	21
04	23	36	31	30	25	23	20	19	23	26	28	26	27	21	17	23	25	17	17	23	26	27	20	18	24
05	12	20	20	30	35	33	25	15	17	22	23	22	16	10	13	19	21	14	12	15	18	27	31	24	21
06	16	18	24	26	24	23	25	25	27	27	22	18	26	27	23	23	17	26	41	38	24	17	15	14	24
07	15	16	14	20	25	34	45	48	44	38	22	30	25	17	17	20	25	22	27	32	29	27	34	33	28
08	27	22	19	19	22	23	19	17	20	25	20	13	12	12	15	11	13	18	31	32	25	26	25	25	20
09	20	15	17	13	19	37	28	31	26	29	22	23	20	20	19	24	25	27	32	41	47	42	52	35	28
10	20	55	49	29	17	19	30	44	31	34	33	34	20	13	15	21	26	30	31	34	28	22	21	13	28
11	10	13	35	25	23	23	18	12	17	19	15	17	14	6	7	7	14	22	26	28	29	19	11	8	17
12 Q	9	12	13	17	14	16	15	14	9	13	17	16	10	11	9	8	4	5	11	14	19	24	20	17	13
13	20	21	19	28	33	33	25	21	21	18	15	12	15	14	14	21	20	27	26	23	31	32	24	18	22
14	15	15	13	6	10	16	17	22	28	27	20	12	7	6	7	6	10	18	24	24	19	19	23	17	16
15	37	25	15	24	30	25	18	22	28	22	30	30	20	15	16	14	20	24	22	20	11	8	9	12	21
16	16	19	18	15	12	17	16	13	13	14	16	15	11	20	26	35	42	44	39	33	26	12	8	10	20
17	12	12	16	13	14	19	19	22	25	23	17	7	15	40	38	33	25	24	27	19	10	11	15	13	20
18	15	18	15	29	38	39	43	52	57	57	70	63	44	36	57	64	51	34	22	31	17	19	32	23	39
19	18	30	37	23	19	20	25	24	21	19	23	21	22	18	23	25	23	29	30	30	22	30	14	13	23
20	17	20	18	13	17	33	24	28	33	28	19	20	13	19	22	18	26	24	22	24	29	23	21	14	22
21	10	7	6	13	16	24	38	39	36	29	23	20	10	14	22	32	23	27	24	18	31	33	28	34	23
22 Q	19	14	11	11	12	9	8	12	18	19	15	9	6	8	13	8	11	21	23	19	15	11	9	11	13
23 Q	9	9	11	12	13	17	19	13	13	11	13	11	13	14	20	19	15	15	14	18	11	6	6	7	13
24	10	19	18	14	15	18	18	20	19	18	21	17	9	9	14	18	13	14	23	28	27	23	24	17	18
25	9	12	11	13	18	24	28	29	34	31	29	29	20	20	19	16	12	9	19	26	14	7	13	18	19
26	22	22	20	13	9	8	11	11	14	18	18	24	21	19	22	30	28	23	26	19	32	35	20	16	20
27	31	31	38	38	32	22	21	26	22	16	22	29	27	21	15	16	14	18	23	32	31	19	20	25	25
28 Q	15	14	14	15	18	15	14	13	11	13	13	13	15	14	16	17	16	7	7	11	9	12	17	14	13
29 Q	15	18	18	15	13	14	14	12	12	14	13	11	11	10	10	12	20	24	22	23	15	14	15	14	15
30	20	21	14	15	19	20	17	17	20	18	16	24	18	19	27	37	36	35	39	33	28	29	24	20	24
MEAN	18	20	21	20	21	23	23	23	24	24	23	22	19	18	19	21	21	22	24	25	23	21	21	18	21

ASY-D INDEX					JUL 2001													(PROVISIONAL)						nT		
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	22	30	25	20	14	8	7	9	7	7	8	7	9	14	20	18	10	9	13	18	12	11	19	25	14	
02 Q	22	17	18	18	25	32	14	8	9	8	9	9	10	10	13	18	12	7	9	11	14	13	13	14	14	
03	10	10	11	17	18	16	17	12	15	11	13	14	11	11	6	8	12	11	6	12	14	19	21	23	13	
04	24	27	17	16	25	20	20	9	7	11	21	16	11	11	14	15	11	16	20	21	17	19	15	11	16	
05	13	15	11	13	14	10	16	11	12	24	20	19	16	20	20	20	18	24	25	20	21	24	18	19	18	
06	21	19	20	16	18	18	11	11	8	7	8	5	9	18	11	9	10	22	30	26	12	7	9	10	14	
07 Q	16	9	7	12	11	15	22	17	9	6	10	8	9	10	10	7	5	7	12	14	11	14	11	12	11	
08	16	19	12	12	19	17	14	21	20	20	30	31	21	11	18	19	18	16	18	26	32	26	17	22	20	
09	23	19	27	15	19	13	10	6	13	16	17	17	16	15	17	13	11	14	19	19	17	10	11	16	15	
10	21	20	14	20	15	22	28	23	15	23	25	25	19	8	9	17	19	19	17	14	17	18	22	23	19	
11	20	24	28	36	24	18	19	19	15	15	21	21	20	11	10	14	21	21	20	20	23	19	9	17	19	
12	20	17	19	23	22	22	16	16	24	20	14	11	6	8	13	16	15	9	9	15	21	22	20	24	17	
13	18	14	10	13	21	22	15	10	10	11	14	10	8	12	13	10	9	7	8	9	8	7	10	23	13	
14	26	23	20	20	34	16	11	14	15	11	12	23	11	5	11	19	23	14	9	21	26	27	16	12	18	
15	15	24	29	30	28	21	16	14	14	11	14	10	13	10	10	19	28	33	27	20	21	20	35	47	21	
16	41	34	37	18	20	21	17	13	14	13	12	18	27	19	15	14	17	15	16	17	18	19	32	49	22	
17	56	40	46	30	28	45	38	31	25	17	15	9	18	17	15	12	9	12	9	8	12	18	30	23	23	
18	14	14	11	11	7	12	17	10	25	8	5	5	6	9	13	14	15	10	8	10	13	19	24	24	13	
19	18	10	15	16	21	19	26	21	11	16	17	15	9	6	7	12	20	25	22	14	15	21	26	28	17	
20	23	21	24	14	11	11	9	12	10	6	12	10	5	10	16	28	27	19	11	11	8	5	5	8	13	
21 Q	16	25	26	22	15	11	8	9	12	9	9	9	8	6	7	8	9	13	17	10	14	18	11	7	12	
22	10	13	16	19	16	13	10	10	15	19	17	11	17	21	17	14	9	13	7	16	24	25	22	16	15	
23	22	36	33	26	13	13	16	16	26	24	10	6	5	9	8	10	15	12	16	20	19	16	18	13	17	
24	22	22	17	27	18	13	14	11	11	17	16	7	22	22	16	17	15	16	18	14	20	12	11	10	16	
25	9	12	16	29	43	37	46	37	28	19	27	16	13	16	20	23	19	15	26	16	16	17	14	13	22	
26	18	30	25	24	27	18	11	12	9	12	19	15	11	11	8	7	5	9	7	9	11	9	13	14	14	
27	18	21	16	8	7	9	11	22	28	12	12	22	21	11	9	8	8	8	12	12	12	16	16	14	14	
28 Q	23	16	16	23	24	21	22	15	8	6	9	12	13	11	7	7	6	7	7	8	10	7	8	6	12	
29 Q	9	12	9	11	21	33	39	27	19	13	8	9	11	12	9	13	10	12	12	12	11	11	8	9	14	
30	15	14	13	13	17	10	9	10	16	11	9	7	9	9	11	5	6	9	19	29	23	18	12	16	13	
31	22	19	15	12	16	25	30	24	15	16	18	18	21	22	20	22	29	36	22	34	31	21	19	28	22	
MEAN	20	20	19	19	20	19	18	15	15	13	14	13	13	12	13	14	14	15	15	16	17	16	17	19	16	

ASY-H INDEX					JUL 2001													(PROVISIONAL)						nT		
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	32	38	34	32	39	38	33	19	15	11	10	15	16	14	10	20	40	42	43	21	20	20	11	14	24	
02 Q	17	20	24	28	21	20	18	14	15	16	15	12	10	9	10	14	14	14	14	9	15	6	7	10	15	
03	20	26	27	29	31	46	34	28	20	19	15	13	14	15	13	9	14	20	30	37	41	39	31	21	25	
04	12	11	11	16	13	10	11	11	10	15	20	21	20	20	19	16	18	21	19	18	19	21	25	17	16	
05	10	14	24	29	26	22	26	20	18	19	21	15	11	15	18	16	15	16	20	17	18	18	17	16	18	
06	12	18	23	25	19	13	14	12	11	17	13	11	11	16	17	23	26	26	23	25	20	21	23	20	18	
07 Q	11	9	9	9	17	21	23	21	16	12	12	10	10	15	15	15	15	12	7	9	13	19	18	13	14	
08	14	17	19	21	21	24	25	20	22	24	20	13	11	11	25	25	20	19	22	35	44	37	31	33	24	
09	26	28	50	39	26	23	16	13	12	9	11	13	12	10	15	20	23	18	9	7	13	14	10	13	18	
10	8	15	20	25	27	26	21	23	23	31	29	25	24	17	14	21	28	32	30	27	31	35	36	36	25	
11	35	38	39	58	46	29	21	18	19	21	18	19	18	13	14	14	12	13	14	13	19	19	12	13	22	
12	16	24	28	20	11	11	20	26	20	21	17	19	18	19	11	11	16	25	24	14	18	26	19	18	19	
13	13	16	18	15	16	16	14	13	12	14	10	7	9	12	14	16	12	11	14	14	11	14	17	30	14	
14	34	41	44	42	44	40	21	18	16	12	10	9	10	19	28	16	15	22	23	27	21	18	12	11	23	
15	9	18	30	23	17	22	27	28	24	26	25	29	30	26	17	17	27	48	52	40	30	38	44	40	29	
16	31	38	51	36	40	38	29	26	21	20	20	24	24	24	21	25	45	42	21	15	25	32	38	32	30	
17	24	29	49	52	29	42	20	14	14	22	19	15	15	20	21	20	19	13	12	15	26	33	40	40	25	
18	35	27	20	18	17	23	21	16	21	12	12	9	9	11	10	14	13	20	24	25	19	12	11	16	17	
19	21	25	26	21	20	19	18	16	13	11	13	14	15	11	7	7	7	17	17	13	15	19	15	7	15	
20	9	14	17	15	14	8	9	14	8	8	12	16	15	16	22	20	18	27	36	26	22	25	22	22	17	
21 Q	23	20	14	14	19	19	14	11	12	10	8	8	9	11	10	15	28	31	22	18	14	18	23	26	16	
22	23	19	8	14	20	19	32	30	25	29	28	17	16	27	33	40	32	27	32	27	16	16	21	24	24	
23	21	35	29	34	27	26	19	17	21	17	18	16	12	8	9	12	11	20	19	11	15	17	19	21	19	
24	19	13	18	17	19	18	18	13	14	18	15	13	16	21	26	29	33	43	40	40	24	27	29	26	23	
25	15	10	11	20	48	48	61	46	50	43	49	25	22	22	22	36	57	22	41	32	40	37	30	31	34	
26	26	37	45	40	41	26	27	22	20	17	16	11	17	11	17	23	17	11	20	22	27	31	21	18	23	
27	13	10	15	22	14	10	12	19	32	24	21	20	20	16	13	15	10	7	16	21	23	25	17	10	17	
28 Q	12	14	16	21	25	20	20	17	13	7	6	9	13	18	16	20	16	12	11	17	14	11	7	8	14	
29 Q	5	7	11	13	10	23	25	16	13	12	13	15	11	10	13	9	6	15	16	11	5	4	7	7	12	
30	11	13	11	12	8	7	8	16	21	23	20	18	15	16	11	21	19	11	14	16	26	29	34	30	17	
31	27	40	25	21	31	40	47	36	28	22	17	18	24	37	31	31	46	31	32	24	15	21	31	34	30	
MEAN	19	22	25	25	24	24	23	20	19	18	17	16	15	16	17	19	22	22	23	21						

ASY-D INDEX					AUG 2001											(PROVISIONAL)								nT		
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	30	26	19	16	11	15	26	20	18	18	18	34	15	13	11	12	13	21	20	21	21	21	14	7	18	
02	27	34	36	40	35	29	42	37	30	24	16	14	9	7	10	11	14	11	6	10	13	11	5	6	20	
03	11	13	10	18	26	29	37	45	40	34	20	22	18	13	13	11	11	18	21	16	18	22	22	23	21	
04	23	24	25	29	35	26	20	17	11	11	14	15	12	9	12	17	20	17	26	21	24	27	17	20	20	
05	25	24	21	23	28	27	35	37	29	32	32	20	14	28	51	34	15	16	21	27	29	14	11	15	25	
06	20	23	17	33	35	32	31	23	15	31	17	21	35	34	23	19	27	31	23	18	16	12	10	13	23	
07	20	23	34	36	38	33	31	24	18	26	28	19	14	9	10	16	21	21	16	15	15	18	16	7	21	
08	14	24	27	30	23	22	38	42	37	28	20	22	18	13	13	17	17	17	15	15	18	14	8	7	21	
09	9	10	19	29	30	30	41	37	26	18	14	15	9	6	15	21	24	31	31	30	40	26	23	27	23	
10	20	12	16	21	23	21	22	26	16	15	13	10	13	9	10	19	22	28	29	17	20	18	17	20	18	
11 Q	14	9	10	11	11	10	14	19	19	14	15	15	11	13	13	11	11	11	9	9	10	11	15	12	12	
12	8	5	6	14	19	24	25	15	11	11	11	19	22	13	13	16	19	37	33	26	20	17	20	20	18	
13	11	14	20	34	45	26	21	24	22	19	25	21	15	20	10	5	7	19	26	23	17	18	18	29	20	
14	13	13	14	12	10	8	7	12	11	15	19	31	24	25	14	12	10	7	14	23	24	26	39	44	18	
15 Q	38	25	10	10	9	14	4	7	9	9	7	6	7	9	12	9	13	12	8	10	7	13	17	11	11	
16 Q	9	11	11	10	12	12	10	10	8	9	9	6	8	11	9	10	16	20	18	15	14	14	12	10	11	
17	12	6	6	10	10	20	30	29	21	21	20	12	22	20	24	22	23	27	29	30	50	23	19	34	22	
18	31	33	16	21	20	9	14	15	23	31	29	25	24	22	19	21	29	44	41	31	32	36	31	21	26	
19	18	16	22	21	13	17	16	18	28	25	26	25	21	16	25	25	23	22	17	12	27	33	33	28	22	
20	24	36	46	39	21	12	7	8	12	10	11	15	16	12	18	24	21	18	9	8	6	10	5	3	16	
21	3	8	26	44	47	29	19	19	18	22	12	14	17	13	15	23	24	23	34	24	20	19	13	23	21	
22	32	29	35	39	37	30	13	11	12	14	18	24	21	24	23	32	33	16	27	32	19	17	16	12	24	
23	13	16	27	19	18	15	20	10	9	9	7	7	7	8	9	11	10	10	7	8	7	8	11	14	12	
24 Q	10	7	8	15	18	15	11	12	13	13	18	13	8	7	5	6	9	9	13	15	13	6	9	11	11	
25	15	7	17	20	21	19	11	18	17	13	12	11	12	11	13	13	20	58	58	48	32	15	21	16	21	
26	15	27	32	33	31	26	26	30	19	11	12	15	14	13	10	8	7	12	10	11	26	31	37	27	20	
27	16	17	30	37	49	41	33	21	20	13	12	12	11	14	17	8	15	24	31	39	45	23	22	28	24	
28	21	28	41	28	20	22	15	17	16	13	15	21	21	13	10	11	15	10	18	34	42	42	35	27	22	
29 Q	19	27	30	20	10	12	17	21	20	15	16	16	10	8	9	10	15	18	17	14	9	11	19	17	16	
30	12	26	29	20	17	32	31	34	37	36	33	23	13	10	21	36	34	26	27	30	19	12	16	20	25	
31	30	39	46	47	28	17	15	24	37	36	42	28	20	10	12	18	16	20	10	11	15	22	28	20	25	
MEAN	18	20	23	25	24	22	22	22	20	19	18	18	16	14	15	16	18	21	21	21	22	19	19	18	20	

ASY-H INDEX					AUG 2001											(PROVISIONAL)								nT		
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	29	35	35	38	48	54	46	26	15	12	26	35	22	25	25	19	17	22	20	20	21	17	17	14	27	
02	9	7	6	6	8	11	19	12	10	8	9	6	8	6	9	11	15	12	11	10	13	17	25	28	12	
03	15	6	9	17	21	25	24	26	37	36	28	30	24	20	16	18	13	10	11	21	28	22	18	11	20	
04	12	12	8	9	18	30	29	19	14	12	12	15	20	30	28	18	25	18	20	19	17	11	14	6	17	
05	12	25	19	8	6	11	31	32	33	21	20	35	40	50	75	70	42	32	21	30	25	26	27	25	30	
06	21	17	16	17	19	17	20	23	28	45	28	42	64	64	42	51	43	33	46	29	13	22	33	16	31	
07	21	37	39	26	18	28	20	17	18	14	13	17	25	36	30	20	11	12	11	17	18	19	15	11	21	
08	12	16	20	15	8	7	20	16	15	10	12	13	12	20	23	21	20	16	15	19	7	6	8	10	14	
09	7	8	12	9	18	12	15	19	14	11	9	10	11	19	14	16	21	24	30	29	23	20	22	24	16	
10	20	21	23	19	17	15	14	9	10	9	10	9	13	24	29	31	25	36	37	7	12	16	18	16	18	
11 Q	16	12	9	10	8	8	8	10	10	10	7	12	14	9	8	12	23	22	22	16	9	6	15	12	12	
12	7	5	10	15	21	8	7	12	10	11	14	22	19	11	14	22	17	30	32	34	35	26	24	14	17	
13	20	11	19	41	64	26	17	12	12	10	15	16	21	26	24	18	16	16	20	14	17	14	13	13	20	
14	13	15	10	11	17	23	25	25	19	16	17	33	47	59	47	38	28	21	11	21	26	21	23	26	25	
15 Q	30	24	16	12	9	11	11	6	10	8	12	12	7	5	6	13	16	17	17	11	16	11	13	14	13	
16 Q	20	25	20	15	15	12	7	8	8	7	8	8	12	14	21	20	23	17	13	13	12	12	19	16	14	
17	11	16	16	14	12	11	12	13	8	6	4	16	48	58	94	73	67	74	79	119	108	104	85	60	46	
18	36	33	31	24	30	34	30	28	31	25	24	23	23	22	25	20	17	19	17	16	15	17	15	12	24	
19	20	27	28	25	22	20	20	19	19	25	28	20	10	9	14	19	24	20	19	25	19	14	17	15	20	
20	20	21	18	12	9	7	10	14	21	26	28	17	10	12	11	16	24	26	23	15	5	8	16	12	16	
21	10	23	30	15	6	8	15	13	12	14	14	29	18	10	15	29	41	17	21	17	31	22	22	21	19	
22	15	12	13	13	22	25	17	16	14	13	28	39	23	26	37	39	47	35	30	40	32	42	33	17	26	
23	22	17	37	29	23	29	29	21	22	18	16	17	15	18	18	12	14	17	12	11	22	31	24	12	20	
24 Q	11	19	19	12	9	12	17	15	14	10	8	9	6	5	8	12	7	5	9	14	23	24	22	21	13	
25	25	20	12	10	16	15	15	20	20	21	21	17	21	17	14	7	24	36	29	24	30	25	14	13	19	
26	22	27	18	14	13	12	12	29	27	16	22	20	18	21	27	17	9	15	13	10	21	22	10	15	18	
27	21	13	12	9	23	13	13	14	11	12	15	19	24	23	26	22	15	12	15	26	30	27	28	28	19	
28	22	22	51	24	11	17	19	23	19	15	17	15	21	19	12	12	19	19	27	27	22	23	24	17	21	
29 Q	17	18	17	17	21	20	22	25	18	11	11	15	7	9	10	10	8	5	12	23	23	23	23	25	16	
30	27	24	19	12	11	20	23	35	44	39	38	32	27	16	15	47	34	34	35	37	24	22	21	17	27	
31	21	23	20	31	31	34	41	51	54	58	52	39	34	30	19	14	13	19	22	27	25	23	27	25	31	
MEAN	18	19	20	17	19	19	20	20	19	18	18	21	21	23	24	24	2									

DAY	ASY-D INDEX										SEP 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01 Q	19	21	20	22	24	26	23	19	13	9	5	8	9	10	13	12	13	19	15	7	18	12	9	6	15
02	11	13	15	20	12	15	22	18	16	12	13	12	14	17	17	16	10	19	23	18	16	18	14	9	15
03	10	10	13	12	10	13	21	21	16	16	14	20	27	14	18	22	25	23	26	23	10	26	23	31	18
04	37	40	31	37	36	20	27	28	25	18	13	16	14	12	18	26	26	33	39	36	27	25	42	42	28
05	36	42	38	32	24	23	21	17	14	9	14	19	14	14	22	22	19	24	24	22	26	28	21	9	22
06	11	24	30	34	25	26	28	16	8	5	12	15	12	11	12	7	6	12	17	19	17	17	14	12	16
07 Q	19	22	16	18	19	23	16	12	19	16	14	10	8	6	7	7	13	22	18	16	19	16	14	10	15
08	8	18	20	23	20	19	17	16	21	18	10	13	13	11	16	15	15	11	15	26	36	30	21	15	18
09 Q	16	20	15	12	10	11	11	12	15	17	19	19	12	10	16	14	10	11	5	13	27	31	23	16	15
10 Q	17	17	16	15	10	8	8	15	19	19	20	12	6	6	3	3	7	11	8	17	24	20	18	10	13
11	8	23	19	8	10	15	12	8	15	22	19	19	10	6	9	10	18	27	46	37	16	15	25	33	18
12	24	17	22	27	17	20	30	29	27	15	10	12	12	23	16	18	18	27	27	25	29	31	40	42	23
13	29	13	15	31	34	34	51	44	31	29	33	22	15	11	18	26	24	14	13	15	22	20	20	16	24
14	12	11	18	13	12	9	13	17	18	15	11	13	13	11	9	18	24	15	10	10	12	17	14	23	14
15	16	20	13	7	15	24	23	27	25	26	14	19	20	13	11	16	15	21	30	30	25	33	28	18	20
16	25	26	19	15	25	29	15	7	11	14	16	14	7	6	10	15	21	24	22	16	13	8	8	14	16
17	27	23	10	8	18	21	20	18	22	26	20	19	11	6	6	6	4	10	16	10	12	13	12	10	14
18	10	9	14	15	20	14	14	15	16	16	16	16	7	4	8	8	13	19	19	16	21	17	6	13	13
19	14	9	7	14	21	21	22	19	15	13	15	11	6	5	3	4	3	5	8	11	7	6	7	11	11
20	23	26	18	12	18	29	33	28	21	11	7	7	5	6	8	12	12	17	12	17	24	29	20	13	17
21 Q	20	36	35	23	16	15	14	14	14	16	13	11	8	11	14	18	26	30	16	28	41	46	33	21	22
22	18	34	40	33	25	25	30	30	26	21	17	16	18	15	25	20	22	32	24	10	17	30	33	15	24
23	14	37	34	25	16	22	34	41	47	37	30	31	27	41	51	52	38	84	74	49	50	35	20	16	38
24	15	9	10	26	43	40	22	15	18	20	17	21	20	15	15	18	26	33	32	18	15	23	25	24	22
25	30	26	23	18	14	24	29	23	17	13	16	16	14	12	18	32	35	40	38	22	44	41	63	55	28
26	54	30	44	39	22	25	33	31	53	54	46	34	18	14	16	17	20	26	34	32	23	22	29	22	31
27	20	20	30	31	26	12	18	31	36	32	27	16	15	18	20	25	29	27	19	14	24	24	15	22	22
28	34	34	30	20	16	22	25	34	24	21	23	19	21	30	40	32	22	22	24	26	27	24	18	20	25
29	17	9	16	12	15	28	28	27	26	21	31	37	26	11	9	15	16	20	33	22	22	30	48	47	24
30	28	13	12	16	15	23	21	18	19	20	26	26	23	18	31	44	34	46	52	34	32	53	31	19	27
MEAN	21	22	22	21	20	21	22	21	21	19	18	18	14	13	16	18	18	24	25	22	23	25	24	20	20

DAY	ASY-H INDEX										SEP 2001										(PROVISIONAL)				nT
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01 Q	23	26	26	27	23	25	26	24	27	25	26	20	13	6	9	10	10	13	10	12	12	17	19	18	19
02	17	11	11	14	15	23	25	24	18	18	20	15	11	16	25	27	31	34	28	23	13	7	12	16	19
03	12	9	7	15	16	10	16	17	23	34	28	30	38	31	25	25	28	24	30	23	29	20	14	22	22
04	24	20	22	39	58	39	34	37	27	22	30	31	26	30	35	43	52	38	13	15	14	11	10	18	29
05	30	37	36	30	30	28	26	23	22	21	24	23	20	26	36	35	30	32	21	17	15	18	14	10	25
06	12	18	11	14	18	17	19	19	17	22	27	26	18	15	15	19	17	14	20	19	23	25	17	13	18
07 Q	13	12	18	25	30	30	28	31	24	16	14	14	22	20	15	7	5	4	5	10	14	11	11	14	16
08	8	18	26	30	28	30	34	32	31	26	23	21	18	12	12	15	18	18	22	19	16	8	13	13	20
09 Q	10	12	16	14	21	29	26	20	17	20	19	22	26	25	24	19	17	10	6	6	10	7	4	5	16
10 Q	12	13	18	26	21	20	17	14	12	12	22	24	17	12	11	8	11	15	13	7	8	10	10	7	14
11	6	6	14	18	16	18	24	16	8	6	8	8	5	6	17	19	25	37	47	39	32	26	39	50	20
12	38	29	25	32	36	39	44	40	50	36	33	31	27	33	41	51	50	38	25	18	17	23	29	23	34
13	15	13	11	32	64	59	60	55	39	34	43	33	16	14	23	26	23	16	15	22	30	28	21	17	30
14	14	7	8	12	17	13	11	15	16	14	15	17	9	5	7	11	22	21	17	22	28	28	24	29	16
15	32	30	23	27	28	25	20	15	22	29	21	22	25	15	13	22	32	15	10	22	26	25	21	18	22
16	22	20	28	31	21	18	16	13	13	11	13	15	9	8	10	8	11	16	16	17	16	18	12	9	16
17	12	16	17	22	32	32	26	19	18	15	11	16	11	8	5	9	16	9	17	14	14	19	22	23	17
18	22	20	26	27	28	28	25	15	10	13	10	12	21	19	18	14	11	12	25	36	22	29	28	13	20
19	10	13	18	21	34	35	29	16	9	7	7	6	5	3	4	5	11	13	27	27	21	24	29	21	17
20	7	10	14	19	21	19	21	15	11	6	12	15	13	8	7	20	23	11	15	21	21	25	25	26	16
21 Q	17	6	9	10	8	12	8	9	10	11	10	11	15	16	15	22	22	17	13	14	10	11	10	13	12
22	20	29	38	36	24	23	19	12	14	17	22	28	33	40	44	47	37	24	19	13	7	6	7	25	25
23	8	6	7	9	19	30	43	45	46	45	46	44	57	93	100	78	45	81	88	43	47	24	19	50	45
24	34	19	17	27	33	33	27	33	32	28	26	31	35	38	33	27	22	17	13	8	12	17	18	19	25
25	26	31	18	14	17	25	23	25	26	26	23	20	26	31	27	19	13	15	19	18	45	73	124	66	31
26	98	58	72	54	41	40	40	42	47	53	48	52	45	54	56	39	32	27	25	21	18	17	15	17	42
27	23	19	17	21	24	21	18	27	32	32	40	47	40	32	16	35	22	25	33	43	36	29	23	18	28
28	25	30	27	30	31	40	39	22	17	18	30	36	35	27	33	37	20	20	22	12	18	24	22	25	27
29	39	43	38	31	31	25	30	41	38	32	38	65	57	35	19	17	29	42	38	43	76	44	61	56	40
30	46	42	38	41	37	28	30	26	24	20	20	22	15	14	30	40	41	42	52	53	55	63	43	34	36
MEAN	22	21	22	25	27	27	27	25	23	22	24	25	24	23	24	25	25	24	23	22	24	23	24	22	24

ASY-D INDEX					OCT 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	29	35	43	41	62	85	74	83	89	81	79	67	66	53	41	48	37	36	28	24	19	19	20	45	50	
02	39	48	40	37	25	27	41	58	43	37	47	54	40	33	28	26	48	52	37	27	14	24	37	43	38	
03	45	35	30	25	15	23	32	41	54	66	54	82	68	92	82	69	87	74	52	56	42	40	33	41	52	
04	59	53	32	14	9	13	32	46	37	40	33	37	24	18	26	35	32	33	23	17	9	10	14	16	28	
05	16	20	25	17	12	15	13	9	7	12	12	10	11	12	14	14	21	31	20	20	26	27	22	13	17	
06	9	25	35	26	16	12	11	11	17	23	18	13	8	6	11	12	19	25	20	14	13	12	11	8	16	
07 Q	10	18	21	13	17	17	12	7	14	15	9	9	7	5	5	4	4	5	9	12	12	9	7	5	10	
08	11	19	15	15	19	25	14	13	17	22	18	19	18	18	27	30	29	30	17	13	11	17	12	16	19	
09	31	23	17	13	13	12	18	18	25	31	19	15	29	50	43	52	33	21	15	15	16	17	19	21	24	
10	24	31	31	21	18	28	34	29	19	8	9	10	16	31	22	12	14	11	18	20	22	11	14	24	20	
11	22	24	20	13	10	12	24	23	16	11	10	14	22	20	22	21	19	29	67	72	35	27	28	28	24	
12	23	26	34	45	16	18	41	34	22	21	29	36	28	41	33	27	21	20	15	15	17	24	23	22	26	
13	20	21	27	24	18	15	20	20	12	6	9	16	17	11	10	15	15	11	6	7	10	7	8	6	14	
14	6	10	14	10	6	8	7	14	14	9	6	5	7	12	15	14	14	15	27	23	18	9	7	12	12	
15	11	15	15	10	20	19	20	15	11	5	4	3	3	8	8	11	12	7	7	6	8	9	9	9	10	
16	13	15	14	13	5	5	7	8	12	10	8	7	9	11	11	9	17	23	18	8	9	7	6	5	10	
17 Q	9	13	16	15	8	7	6	4	4	7	8	8	6	8	7	5	8	11	5	5	7	12	8	8	8	
18 Q	17	19	19	19	13	7	6	5	6	6	7	3	9	8	8	9	8	11	12	12	12	6	5	6	10	
19	13	24	10	18	19	18	11	7	6	9	8	9	15	18	29	30	32	43	44	33	22	19	11	9	19	
20	13	11	9	22	25	43	36	21	12	7	20	14	12	22	28	22	17	13	15	16	21	18	15	25	19	
21	21	16	16	14	18	24	22	22	24	24	23	26	17	14	12	16	18	45	81	65	79	56	61	72	33	
22	87	60	51	41	49	44	49	57	47	35	44	68	91	66	82	121	59	114	73	70	64	39	42	19	61	
23	42	43	32	31	33	46	53	45	40	23	14	17	25	25	24	22	20	23	23	20	16	18	20	20	28	
24 Q	16	10	13	19	27	31	23	16	19	14	12	10	8	9	13	12	11	10	13	9	6	8	9	8	14	
25	9	11	15	15	8	15	15	14	13	10	7	5	9	7	7	14	9	9	8	13	20	14	11	13	11	
26 Q	10	11	12	14	16	23	21	8	7	11	10	7	7	9	12	11	14	22	22	17	14	7	8	14	13	
27	9	10	14	20	15	11	16	15	11	7	7	12	17	19	23	18	14	18	17	19	15	12	8	10	14	
28	15	16	18	22	40	58	53	63	59	69	75	66	62	61	61	49	45	53	53	43	39	55	68	91	51	
29	84	68	41	16	15	24	37	29	29	27	29	29	27	40	58	43	16	25	33	32	23	19	16	13	32	
30	14	11	17	26	35	28	25	36	46	34	25	29	18	14	13	12	15	19	23	24	23	18	12	15	22	
31	12	17	18	12	9	16	14	12	16	21	21	18	14	10	7	18	20	17	24	16	20	14	19	22	16	
MEAN	24	24	23	21	20	24	25	25	24	23	22	23	23	24	25	26	23	28	27	24	21	19	19	21	23	

ASY-H INDEX					OCT 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	52	44	47	67	84	94	60	86	104	128	117	101	83	95	75	64	51	33	30	44	46	48	55	69	70	
02	42	45	39	57	47	58	54	56	42	42	55	66	60	67	41	32	48	56	56	59	78	70	78	73	55	
03	51	33	28	24	24	42	45	60	76	106	128	178	139	162	124	107	102	100	67	66	65	52	40	45	78	
04	71	48	47	40	40	37	54	58	53	57	49	47	30	21	24	33	41	38	42	38	33	27	30	28	41	
05	22	19	20	28	25	22	18	14	15	12	10	10	12	18	21	13	22	31	18	24	24	16	11	20	19	
06	33	28	15	15	21	17	20	27	27	26	22	14	12	10	11	13	20	19	16	7	14	7	9	18	17	
07 Q	28	23	14	10	9	8	9	10	16	10	9	7	8	13	6	6	6	10	13	10	8	9	9	9	11	
08	18	23	21	17	10	12	19	16	22	25	40	52	34	46	64	56	41	24	18	19	18	32	25	28		
09	43	25	11	10	15	10	12	27	42	50	35	42	47	79	83	87	74	50	26	10	17	30	32	26	37	
10	16	15	16	21	30	34	22	19	23	24	30	28	26	45	47	26	27	25	26	17	23	25	22	24	25	
11	23	32	28	27	26	22	24	16	8	6	9	15	30	48	55	60	42	77	83	89	66	37	28	24	36	
12	10	17	54	101	51	46	56	50	36	36	34	39	50	79	75	61	44	27	16	16	18	28	23	22	41	
13	18	18	28	38	35	37	35	35	28	30	36	22	20	32	26	20	19	13	15	14	13	12	9	7	23	
14	9	9	9	13	11	11	18	23	23	18	11	10	14	17	21	17	18	13	26	31	23	17	16	10	16	
15	18	20	7	14	31	35	38	30	28	21	16	9	6	12	11	15	25	26	18	7	7	11	8	8	18	
16	15	18	19	15	13	14	16	17	19	23	21	14	18	21	19	19	13	12	14	16	15	15	11	9	16	
17 Q	12	6	11	12	11	12	12	10	11	12	10	11	17	13	16	20	12	11	8	4	5	7	6	7	11	
18 Q	7	9	7	5	7	6	8	9	12	14	19	18	18	18	24	31	32	25	16	16	8	5	7	10	14	
19	17	30	15	17	20	20	24	23	11	11	13	16	16	41	51	44	43	52	46	46	38	38	33	20	29	
20	21	27	21	14	13	28	30	27	26	28	21	30	23	25	43	44	40	25	17	22	21	25	14	14	25	
21	16	22	20	22	20	15	15	22	23	27	32	31	26	29	32	43	37	110	109	126	127	73	44	83	46	
22	125	78	54	43	62	49	45	52	74	67	80	97	137	110	89	147	73	117	70	91	79	53	57	42	79	
23	49	64	48	53	50	45	56	50	50	51	51	45	48	43	36	30	29	27	25	24	24	27	37	44	42	
24 Q	40	33	28	25	22	24	21	21	28	26	22	19	17	18	18	20	23	19	14	14	14	13	13	15	21	
25	12	12	14	19	18	13	12	13	18	30	32	27	24	19	15	12	15	11	12	17	16	17	16	13	17	
26 Q	8	10	13	14	12	13	13	13	17	23	22	20	17	23	27	33	33	30	16	12	9	9	10	11	17	
27	12	11	9	13	23	16	17	19	16	17	24	20	20	26	35	44	41	26	14	18	26	27	18	10	21	
28	15	21	12	31	73	91	84	71	78	103	152	113	131	123	138	97	74	60	56	46	23	31	32	36	70	
29	33	36	42	38	29	33	32	31	33	38	36	54	62	64	80	95	59	40	36	24	22	16	20	20	41	
30	20	21	27	29	33	32	33	33	46	37	42	42	37	35	40	43	38	30	26	16	16	16	18	20	30	
31	17	17	25	26	22	16	12	13	13	9	7	9	8	8	12	21	31	32	32	21	36	45	28	25	20	
MEAN	28	26	24	28	29	30	29	31	33	36	38	39	39	43	43	44	38	38								



ASY-D INDEX					NOV 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	21	23	20	29	19	27	38	23	47	50	46	35	45	39	35	42	56	42	24	20	32	41	37	27	34	
02	24	34	32	21	19	28	39	35	26	17	11	10	13	20	30	13	18	29	25	13	4	13	21	12	21	
03 Q	9	16	27	30	21	12	11	13	12	10	11	10	12	13	14	9	12	24	25	10	9	14	18	16	15	
04	15	11	18	21	12	11	17	21	20	22	16	19	25	30	31	20	27	30	19	10	10	18	19	18	19	
05	17	17	25	21	17	18	27	29	31	25	17	11	12	13	24	28	13	16	26	28	41	26	35	37	23	
06	40	43	189	120	158	92	73	34	26	16	21	29	23	27	24	46	61	54	54	44	70	62	43	38	58	
07	32	28	23	15	18	18	15	15	15	16	19	20	17	15	17	17	10	13	24	18	23	24	18	17	19	
08	27	24	15	16	11	11	11	13	10	11	11	10	12	14	14	15	12	9	14	16	14	11	11	9	13	
09	13	19	25	24	16	10	15	16	17	18	15	10	9	13	16	13	8	14	18	27	21	20	15	12	16	
10	17	16	16	14	14	8	7	11	12	14	14	12	9	7	8	9	15	13	9	10	23	20	15	20	13	
11	10	9	10	12	16	15	11	11	14	15	17	12	10	9	8	8	7	10	10	8	8	12	14	17	11	
12	18	14	11	10	13	10	8	8	10	13	12	11	11	12	13	11	12	15	16	17	17	18	15	9	13	
13	7	8	10	10	8	7	8	9	7	7	8	9	8	8	9	10	17	21	18	18	15	13	14	14	11	
14 Q	8	10	11	12	10	11	15	12	7	7	9	9	7	6	8	7	8	12	18	16	12	14	20	18	11	
15	9	7	11	14	16	19	23	23	17	9	8	4	5	6	6	8	9	21	50	44	17	8	15	14	15	
16	9	10	13	11	19	25	20	18	12	15	20	19	19	14	16	14	9	16	11	9	12	15	13	15	15	
17	11	18	21	16	8	11	10	10	7	12	7	16	23	41	44	22	21	24	30	18	19	19	15	15	18	
18	11	13	24	23	10	10	9	12	9	13	10	7	9	11	10	15	19	24	21	18	15	12	10	18	14	
19	29	19	16	9	6	15	13	8	6	11	22	15	19	23	12	24	28	30	22	30	43	24	10	17	19	
20	14	21	24	24	21	25	50	26	15	14	12	9	8	6	5	6	9	17	22	22	16	15	21	20	18	
21	11	10	13	13	10	12	15	22	8	6	3	4	9	5	5	10	12	15	15	13	18	22	19	18	12	
22	8	7	8	11	7	16	16	11	11	9	10	9	8	7	5	6	11	18	14	7	17	20	18	13	11	
23	13	8	10	14	10	10	13	12	10	9	11	11	10	16	12	13	28	17	12	8	20	25	28	28	14	
24	20	15	10	11	17	18	181	206	27	28	25	48	85	121	127	104	23	28	32	44	44	25	21	17	53	
25	15	14	19	25	29	24	22	24	22	13	10	11	13	10	6	9	18	22	15	19	21	21	23	20	18	
26	17	15	13	11	9	10	16	17	14	7	7	9	9	8	7	6	8	9	8	13	20	20	21	19	12	
27 Q	15	13	12	9	8	7	8	8	7	12	15	15	14	10	8	8	7	13	9	4	6	8	6	3	9	
28 Q	8	12	13	12	8	10	13	12	11	8	9	9	9	11	11	8	7	7	8	7	10	18	20	12	11	
29	10	14	14	13	12	10	9	9	12	9	10	10	15	13	14	17	16	16	16	11	6	9	11	11	12	
30 Q	15	16	14	14	17	14	12	11	14	14	12	12	11	10	10	10	9	6	7	12	13	14	11	10	12	
MEAN	16	16	22	20	19	17	24	23	15	14	14	14	16	18	18	18	17	19	20	18	20	19	19	17	18	

ASY-H INDEX					NOV 2001										(PROVISIONAL)										nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	55	61	57	65	53	56	58	41	56	75	88	74	85	56	40	33	49	55	52	41	29	19	11	10	51	
02	13	19	23	22	26	36	37	34	27	24	23	20	17	17	30	22	19	22	28	27	24	22	16	18	24	
03 Q	17	15	13	14	19	24	22	20	16	18	19	20	18	12	16	15	17	19	24	17	14	12	11	16	17	
04	15	12	15	15	15	14	13	21	26	24	38	36	32	42	50	45	21	16	12	9	9	11	11	13	21	
05	20	24	30	24	23	21	13	12	14	13	16	19	17	15	21	18	18	20	23	30	41	30	24	27	21	
06	29	60	275	215	227	150	95	72	80	82	70	69	73	76	70	75	73	78	74	55	31	48	60	69	92	
07	82	55	53	49	49	42	37	36	38	35	35	45	49	37	31	32	31	27	38	31	22	20	17	24	38	
08	28	29	28	26	23	34	40	41	36	27	23	18	16	16	11	11	22	18	15	17	13	10	14	21	22	
09	25	18	14	11	14	18	21	22	28	29	25	22	17	10	9	8	6	12	18	26	28	14	6	14	17	
10	20	15	15	12	13	14	12	14	15	13	15	18	22	16	13	9	7	7	10	13	16	23	30	19	15	
11	9	10	19	19	13	10	13	13	11	14	23	15	9	9	16	25	25	16	9	10	8	10	15	15	14	
12	18	18	19	16	16	16	19	14	10	13	14	10	12	13	9	7	8	6	8	11	15	14	16	17	13	
13	11	7	9	8	8	10	11	11	10	9	9	10	13	17	22	21	21	23	25	28	24	20	21	21	15	
14 Q	21	18	11	7	7	9	7	7	9	10	9	9	9	8	10	10	14	21	16	12	5	6	17	20	11	
15	19	19	17	14	15	15	10	11	13	12	10	11	16	16	11	14	18	22	50	47	26	22	24	23	19	
16	21	19	26	29	29	27	22	29	36	44	48	42	41	32	19	32	34	30	25	20	19	22	26	22	29	
17	17	14	18	32	38	29	16	19	24	32	32	41	42	48	57	32	12	27	34	23	22	27	30	25	29	
18	19	15	11	14	16	13	14	18	21	16	16	15	22	22	18	24	29	26	25	17	8	8	10	21	17	
19	37	16	18	8	17	20	22	20	20	26	45	47	43	50	38	34	30	31	24	29	58	41	16	10	29	
20	19	26	30	31	33	30	36	19	22	23	20	15	14	12	12	12	9	10	14	11	9	12	11	11	18	
21	16	16	17	19	28	36	38	27	15	15	14	10	15	20	15	17	17	19	16	7	11	15	14	10	18	
22	6	5	6	7	22	29	24	22	19	28	18	21	16	12	12	19	21	25	26	19	17	14	9	13	17	
23	15	24	23	16	16	16	21	20	15	25	26	20	27	29	15	18	38	19	13	9	17	28	23	17	21	
24	17	20	16	13	26	33	112	158	132	158	115	98	150	142	134	103	118	91	56	33	37	48	51	43	79	
25	49	55	57	51	44	43	44	44	45	41	39	40	43	53	61	63	54	40	33	25	23	24	26	30	43	
26	40	41	39	34	36	32	30	24	19	19	20	20	26	30	31	24	19	15	9	7	14	11	13	14	24	
27 Q	19	23	21	20	22	21	20	15	11	10	13	10	7	11	17	22	12	10	14	15	13	12	15	15	15	
28 Q	18	14	15	18	17	13	12	19	22	22	28	26	20	12	5	6	8	18	22	21	18	9	7	8	16	
29	9	10	7	12	16	16	7	8	9	6	6	5	16	24	27	30	26	18	12	11	7	8	8	17	13	
30 Q	23	21	17	11	9	11	13	12	12	15	16	16	13	9	4	4	5	10	14	14	11	5	8	7	12	
MEAN	23	23	31	28	30	28	28	27	27	29	29	27	30	29	27	26	26	25	25	21	20	19	19	20	26	

ASY-D INDEX					DEC 2001												(PROVISIONAL)								nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	11	10	13	18	19	21	19	19	18	17	14	15	14	15	17	21	22	20	16	8	11	19	17	14	16	
02	11	11	14	16	16	19	14	13	14	13	12	13	15	17	21	15	7	8	14	11	16	16	15	13	14	
03	18	22	20	23	21	22	17	13	14	15	16	16	17	21	21	20	19	16	32	31	35	37	26	21	21	
04	26	25	39	40	29	23	22	22	18	19	17	13	20	22	26	21	17	16	21	21	26	33	29	29	24	
05	20	36	39	32	28	26	14	20	25	15	16	13	12	14	15	13	12	12	12	12	13	11	15	17	18	
06	14	24	21	22	16	13	11	12	10	14	12	9	11	12	13	14	21	17	12	7	18	18	18	12	15	
07	23	26	21	22	11	11	11	12	13	16	19	19	17	12	13	8	10	14	13	14	9	7	9	13	14	
08	22	20	19	21	20	19	15	14	15	16	19	14	10	10	11	11	12	13	14	11	7	9	10	12	14	
09 Q	14	10	7	9	10	15	14	12	11	10	10	8	9	12	11	9	7	8	10	8	6	10	10	9	10	
10 Q	9	10	8	10	14	16	14	10	10	10	8	8	10	8	10	8	8	6	8	9	11	11	12	10	10	
11 Q	10	10	10	15	19	24	21	16	11	10	11	10	7	9	8	7	6	12	15	15	8	9	9	10	12	
12	10	13	17	19	13	15	14	13	15	16	30	26	16	10	14	22	28	33	29	20	24	28	29	34	20	
13 Q	43	36	30	33	26	23	19	15	13	13	12	12	12	11	13	16	17	13	12	8	8	9	11	11	17	
14	16	19	17	17	17	19	21	22	21	18	20	20	20	17	15	19	22	17	23	29	28	28	25	13	20	
15	13	23	24	22	18	22	29	29	25	24	18	16	16	18	17	10	8	8	11	15	16	14	11	10	17	
16	13	19	26	27	20	20	24	23	27	25	17	19	23	17	18	16	14	16	19	15	12	17	21	27	20	
17	33	30	29	29	25	20	25	31	29	33	33	31	44	43	33	51	48	43	22	9	13	18	19	18	30	
18	27	31	31	25	17	24	29	27	17	17	26	27	26	20	15	12	8	8	7	12	19	23	21	17	20	
19	18	24	32	25	14	14	15	14	15	14	16	14	13	12	16	15	7	13	20	25	28	9	19	10	17	
20 Q	17	16	26	22	12	12	15	15	12	15	17	14	9	13	15	14	10	11	18	22	22	18	11	10	15	
21	5	4	11	15	14	19	20	21	20	17	10	17	6	7	13	17	37	32	34	22	27	31	30	10	18	
22	12	18	23	27	21	24	26	24	17	18	20	21	11	8	8	9	12	10	10	11	15	11	13	12	16	
23	17	24	34	32	18	15	18	20	14	13	12	19	10	6	10	16	20	13	15	30	22	10	13	18	17	
24	18	22	34	34	22	19	30	44	43	44	20	27	22	43	46	34	30	29	18	19	13	9	13	15	27	
25	16	30	44	34	20	23	29	24	17	16	18	17	13	9	11	10	8	8	20	22	14	13	23	24	19	
26	21	37	53	45	23	14	16	15	13	10	10	13	11	11	11	9	24	34	29	32	29	21	29	32	23	
27	24	18	21	18	10	12	17	17	15	13	13	14	16	16	15	17	20	29	36	32	31	34	34	20	21	
28	12	25	35	25	19	19	21	20	23	29	28	23	10	12	12	7	9	25	32	44	25	31	19	19	22	
29	23	43	60	53	33	19	36	51	42	30	21	12	8	12	11	13	17	13	17	21	20	19	17	8	25	
30	28	52	53	41	17	17	28	37	27	24	21	13	12	13	18	14	14	19	21	13	17	29	33	42	25	
31	26	40	53	37	24	22	19	14	18	12	14	19	12	10	13	15	20	26	35	49	28	34	44	21	25	
MEAN	18	23	28	26	19	19	20	21	19	18	17	17	15	15	16	16	16	17	19	19	19	19	20	17	19	

ASY-H INDEX					DEC 2001												(PROVISIONAL)								nT	
DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
01	9	9	11	6	4	8	12	11	12	14	14	11	11	14	11	14	14	11	11	13	12	12	9	11	11	
02	7	9	11	15	17	11	6	7	8	8	15	17	15	13	20	18	11	14	20	22	17	17	19	28	14	
03	36	30	20	11	11	12	10	6	11	24	25	16	8	8	10	17	20	19	26	39	34	34	28	24	20	
04	23	22	14	12	16	20	18	9	5	15	21	21	16	15	20	15	16	9	7	9	22	11	14	22	16	
05	33	26	16	16	15	18	13	10	11	27	22	14	14	13	9	12	14	10	11	14	24	25	26	23	17	
06	17	10	15	8	10	11	12	15	16	14	15	24	36	39	26	21	22	22	18	19	24	17	12	17	18	
07	18	13	15	12	7	8	14	20	26	36	37	37	30	33	25	24	20	17	17	21	16	17	19	21		
08	14	16	19	14	9	12	12	8	18	24	21	18	21	26	27	21	5	8	11	12	8	10	15	15		
09 Q	12	14	14	15	13	12	13	7	4	5	6	7	9	8	9	12	14	16	15	7	12	12	6	10	11	
10 Q	8	9	12	14	12	12	12	17	14	10	7	11	15	16	17	11	8	15	12	9	9	11	12	8	12	
11 Q	8	5	4	5	8	10	6	7	14	8	4	3	3	6	8	10	14	22	22	16	16	12	10	17	10	
12	20	25	19	20	18	13	19	25	29	44	41	43	20	12	9	17	27	40	42	34	21	25	23	17	25	
13 Q	14	16	29	32	25	16	13	19	16	11	6	4	4	7	14	13	12	20	19	16	16	6	7	7	14	
14	7	9	7	11	10	9	8	11	12	10	10	14	25	22	24	19	19	18	27	25	27	26	16	19	16	
15	27	34	44	42	30	26	22	21	25	21	20	16	18	19	14	14	19	16	21	21	13	8	12	13	22	
16	13	9	22	21	18	28	27	23	16	22	20	26	40	37	29	28	16	14	14	12	9	7	9	15	20	
17	14	14	13	18	18	22	19	23	16	38	54	46	44	58	53	58	54	54	41	23	20	7	10	10	30	
18	16	31	20	18	14	16	15	18	10	10	16	21	30	27	18	11	8	12	12	17	21	18	13	16	17	
19	18	26	26	12	15	20	23	27	16	13	25	23	20	14	17	27	19	16	19	11	23	15	9	15	19	
20 Q	15	13	14	15	18	11	10	8	7	6	9	21	14	12	17	14	4	13	22	21	16	14	8	8	13	
21	9	16	16	8	13	16	20	18	12	19	23	33	23	8	23	34	54	41	52	34	35	33	24	14	24	
22	18	19	23	26	19	17	20	27	21	24	20	26	24	12	14	22	20	10	15	22	19	11	7	8	18	
23	13	11	14	16	14	20	15	15	19	27	25	14	9	8	7	12	20	31	31	18	21	20	16	22	17	
24	28	24	18	23	29	35	43	38	48	32	33	27	31	54	62	47	43	41	35	30	19	24	17	15	33	
25	21	23	24	21	23	19	11	10	9	12	13	21	29	32	28	16	13	18	13	17	18	14	11	10	18	
26	11	15	17	21	24	27	24	16	9	6	8	9	14	14	23	34	24	34	26	30	29	22	13	14	19	
27	16	20	15	12	8	9	15	12	12	13	10	10	12	19	24	23	13	33	48	43	30	31	32	35	21	
28	30	16	9	13	19	16	9	10	20	28	41	44	37	36	31	23	15	21	16	12	28	45	53	45	26	
29	40	31	16	20	30	35	40	35	29	21	27	28	18	16	16	19	15	26	32	39	44	54	60	58	31	
30	55	38	41	38	55	50	46	38	23	16	15	19	30	37	26	18	29	32	25	28	39	45	50	48	35	
31	42	29	21	25	30	32	26	31	41	40	28	14	13	13	17	20	50	66	53	38	20	37	27	22	31	
MEAN	20	19	18	17	18	18	18	17	17	19	20	21	20	21	21	21	20	23	24	22						



