

World Data Center for Geomagnetism, Kyoto

DATA BOOK

No. 26

Provisional

Auroral electrojet (AE) indices

for January-December 1995



JUNE 2001

Data Analysis Center for
Geomagnetism and Space Magnetism
Graduate School of Science
KYOTO UNIVERSITY
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Division of
Data Collection and Processing
**NATIONAL INSTITUTE OF
POLAR RESEARCH**
TOKYO

SPECIAL NOTICE

Provisional AE index is given in this Data Book. Although we received all necessary data for the AE derivation for the first three months, we curtailed extensive check on the data, also we received only 10 stations in the later months hence we used the title 'Provisional AE(12, 11, 10).'

We are informed that those missing data will not be recovered later. Therefore we are publishing this version in the Data Book series. In the nomenclature of AE(n) used by us, n designates the number of contributing observatories, and this specification of AE is made for each calendar month.

On the basis of anticipated schedules for the data collection and digitization, where needed, publication of Provisional AE indices in the following order is tentatively contemplated: January to December 1999, January to December 1996 and January to December 1997.

All requests and inquiries on the Data Books and the Prompt Reports of the WDC for Geomagnetism, Kyoto and notices of change of address should be sent to:

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PREFACE

The Auroral Electrojet (AE) index was originally introduced by Davis and Sugiura in 1966 as a measure of global electrojet activity in the auroral zone. The AE index is now widely used for researches in geomagnetism, aeronomy, and solar-terrestrial physics. After the initial development at the NASA/Goddard Space Flight Center the calculation of the index was first performed at the Geophysical Institute of the University of Alaska, which published hourly values of the index for the years 1957 to 1964. The production of 2.5 min values was then made at the Goddard Space Flight Center for the period from September 1964 to June 1968.

After these early publications the index was regularly issued by the World Data Center for Solar-Terrestrial Physics, Boulder (WDC for STP, Boulder; formerly WDC-A for STP) in Boulder, Colorado, which published 2.5 min values for the years 1966 to 1974 and 1.0 min values for 1975 and the first 4 months of 1976.

When it became difficult for the WDC for STP to continue the production of the AE index, a question was raised if the index could be produced at the WDC for Geomagnetism, Kyoto (formerly WDC-C2 for Geomagnetism) which is operated by the Data Analysis Center for Geomagnetism and Space Magnetism, Graduate School of Science (formerly Faculty of Science), Kyoto University. Responding to this request we decided to produce the index for the two years, 1978-1979, of the International Magnetospheric Study (IMS), and published 1.0 min values of the AE index for these years in the "WDC-C2 for Geomagnetism Data Book" No.3-6.

Although the International Association of Geomagnetism and Aeronomy (IAGA) recommended the continuation of the production of the AE index at the WDC-C2, the AE production could not be extended beyond IMS because of the constraints in manpower and computing capability. Increasing demands for the AE index, however, motivated us to resume its production, and we then published the Data Book No.7 for the first half of 1980. After this publication, various possibilities of financial support for the production of the index were explored by the Subcommittee on Solar Terrestrial Physics of the Special Committee for International Cooperation, Science Council of Japan. Beginning with the Data Book No.8, the production of the AE index has been continued at the Kyoto University, but the printing and distribution of the Data Book have been done by National Institute of Polar Research in Tokyo.

In order to reduce the digitization burden in Kyoto, WDC for STP in Moscow (formerly WDC-B for STP) and WDC for Geomagnetism in Kyoto began a cooperative

digitization project for Russian analog data. At the same time there have been several projects to rescue the Russian observatories after the collapse of USSR. One of these efforts was the STEP project which enabled IZMIRAN to digitize Tixie data for 1990. Another effort is a cooperative work to support Arctic and Antarctic Research Institute (AARI) which operates the Russian AE stations with the help from the WDC panel, WDC for STP, Boulder and WDC for Geomagnetism, Kyoto. This effort has resulted in the installation of digital magnetometers in the Russian AE stations, and part of digital data has been provided since 1993. This effort has also resulted in the fast digitization of the data from the Russian AE stations by AARI.

As a result of the prompt derivation of the AE index, provisional AE index based on data from fewer stations are published in Prompt Reports of WDC for Geomagnetism, Kyoto for 1990, 1993, 1994. These provisional AE indices will be updated and will be published as the final AE index at later dates.

For 1995, we obtained data from all 12 stations for the first three months, but data from Cape Chelyuskin and Cape Wellen were lost in the later months. Therefore we publish them as the provisional AE (12,11,10) in the Data Book series.

Additional efforts have been made by INTERMAGNET. A transmitter was provided to the Tixie IKFIA station in 1990 by USGS and a way to send realtime data from Tixie through the Japanese Geostationally Meteorological Satellite (GMS) to the WDC Kyoto was sought with help of the Communications Research Laboratory in Japan and the Japan Meteorological Agency. After long negotiations, a temporary radio license was obtained from Russian authority and realtime data were successfully sent from Tixie to the WDC Kyoto for 6 months from March 1996 till September 1996; at the middle of September 1996 the license expired. After that, we have not been able to obtain the permanent radio license from the Russian authority.

These efforts for improvement of the AE derivation were partly supported by two "grant-in-aid for scientific research" (No. 06554018 and No. 09354005) from the Ministry of Education, Cultures, Sports, Science and Technology.

We were trying to install the same type of the transmitter system in Cape Chelyuskin and Cape Wellen as at Tixie; both stations are in the service area of the GMS satellite. However, Cape Wellen was closed in 1996 because of the local power failure. The situation in Cape Wellen looks so bad, and WDC Kyoto and AARI are seeking a way to set up a new station near Pebek (70.09°N, 170.93°E) between Tixie and Cape Wellen.

AARI and WDC Kyoto also made a cooperative effort to transmit Dixon data via a local meteorological telex line, and a radio telemetry system was set up at Dixon in

1996. However, the organizational situations of the Russian government are not preferable for providing the data through the system regularly to WDC Kyoto via AARI in St. Petersburg.

Development of INTERNET and cooperation of observatories directly or through INTERMAGNET enable us to collect near realtime data from many of the AE stations. Since January 1997, we have been deriving a Quick Look (QL) AE index with a delay of 2-3 days, and have been providing the plot of the QL AE index through WWW. Data are available from only 9 out of the 12 standard AE stations so far. Thus this QL index should be used with care. We are continuing effort to increase the number of stations for the QL AE index and to speed up the derivation of the provisional and final AE indices.

In 2000, Applied Physics Laboratory, Johns Hopkins University (APL/JHU) in the USA, University of Alaska and Institute of Dynamics of Geospheres (IDG) in Moscow, Russia, proposed us to join in their "Space Weather Magnetometer Experiments" (SWME). We started a project named "Project for Upgrading Russian AE stations in cooperation with SWME" (PURAES/SWME). In this project Communication Research Laboratory (CRL) in Japan also kindly proposed to offer supports in various ways.

AARI setup a magnetic station in Pebek in 2000, and with help of Russian Antarctic Research Expedition program, we installed the first PURAES system in Pebek in April, 2001. IDG kindly obtained radio licenses for Pebek, Cape Chelyuskin, Tixie (AARI) and Norilsk (69.20°N, 88.00°E) which is an additional AE station in the future. As of May 2001, Pebek started data transmission through GMS, and we expect we can install PURAES systems in other stations. Although GMS cannot relay the data from Dixon and Amderma (69.46°N, 61.41°E) which is another additional AE station in the future, we are seeking ways to transmit data from them as one of objectives of PURAES.

TABLE OF CONTENTS

	page
1. Derivation and Representation	1
2. Data Used	1
3. The Superposed Plot and the Plot of the Contributing Stations of the AE Indices	4
4. Results	6
5. Acknowledgements	6
 List of AE Stations (Table 1)	 2
Monthly Quiet-time H Reference Values (Table 2)	8
Hourly Average AE Indices (Table 3)	9
 Distribution of AE stations (Figure 1)	 2
Explanatory Figure (Figure 2)	3
GLT and MLT (Figure 3)	5
Daily Graphs of AE Indices (Figure 4)	59
Plots of the Contributing Stations (Figure 5)	59
Plots of AE Indices on Disturbed Days	194
Stacked Common Scale Magnetograms (Figure 6)	196
Summary plots of AU, AL and AE (Figure 7)	209

Auroral Electrojet (AE) Indices
for January - December 1995
(Provisional)

1. Derivation and Representation

The AE index is derived from geomagnetic variations in the horizontal component observed at selected (10-13) observatories along the auroral zone in the northern hemisphere. To normalize the data a base value for each station is first calculated for each month by averaging all the data from the station on the five international quietest days. This base value is subtracted from each value of one minute data obtained at the station during that month. Then among the data from all the stations at each given time (UT), the largest and smallest values are selected. The AU and AL indices are respectively defined by the largest and the smallest values so selected. The symbols, AU and AL, derive from the fact that these values form the upper and lower envelopes of the superposed plots of all the data from these stations as functions of UT. The difference, AU minus AL, defines the AE index, and the mean value of the AU and AL, i.e. $(AU+AL)/2$, defines the AO index. The term "AE indices" is usually used to represent these four indices (AU, AL, AE and AO). The AU and AL indices are intended to express the strongest current intensity of the eastward and westward auroral electrojets, respectively. The AE index represents the overall activity of the electrojets, and the AO index provides a measure of the equivalent zonal current.

In this report we present daily plots and hourly values of the AE indices and "contributing station" plots giving additional information on the indices. The stations that actually give the AU and AL values are named the "contributing stations" of the AU and AL indices. The pair of the AU and AL contributing stations is referred to as "the contributing stations of the AE indices". The plot identifies these AE contributing stations, and also gives information on the data availability for each station.

2. Data Used

To obtain reliable AE indices it is desirable to use as many observatories as possible. However, there are two major difficulties: one is that the distribution of the observatories in operation is not uniform along the auroral zone, and the other is that the digitization of magnetograms is a laborious task.

For the derivation of the AE indices reported in this Data Book, we used twelve observatories listed in Table 1. The distribution of these observatories is shown in

Table 1. List of AE(12) Stations.

Observatory	IAGA Code	Geographic Coord. Lat. (°N) Long. (°E)		Geomagnetic Coord. Lat. (°N) Long. (°E)	
Abisko	ABK	68.36	18.82	66.04	115.08
Dixon Island	DIK	73.55	80.57	63.02	161.57
Cape Chelyuskin	CCS	77.72	104.28	66.26	176.46
Tixie Bay	TIK	71.58	129.00	60.44	191.41
Cape Wellen	CWE	66.17	190.17	61.79	237.10
Barrow	BRW	71.30	203.25	68.54	241.15
College	CMO	64.87	212.17	64.63	256.52
Yellowknife	YKC	62.40	245.60	69.00	292.80
Fort Churchill	FCC	58.80	265.90	68.70	322.77
Poste-de-la-Baleine	PBQ	55.27	282.22	66.58	347.36
Narsarsuaq (Narssarssuaq)	NAQ	61.20	314.16	71.21	36.79
Leirvogur	LRV	64.18	338.30	70.22	71.04

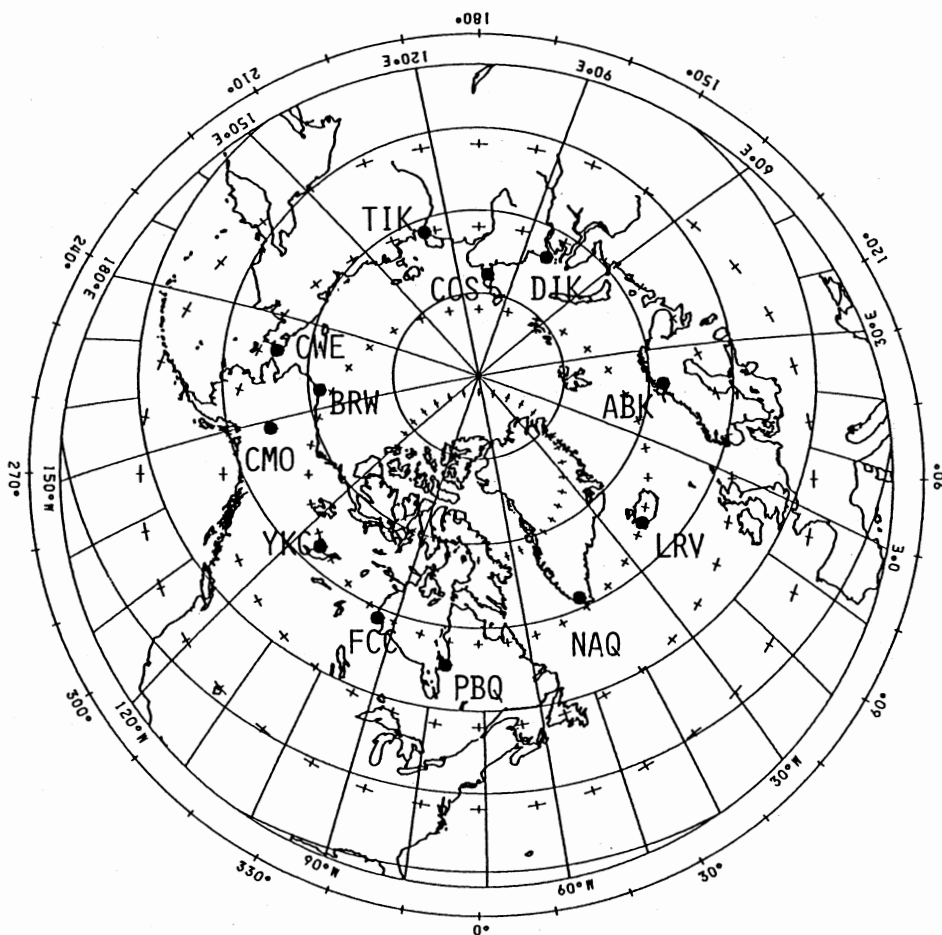


Figure 1. Distribution of AE(12) stations.

This figure is drawn by Lambert projection with the geomagnetic north pole at its center. Geographic coordinates are indicated by solid lines. Geomagnetic coordinates are shown by thin plus signs. Latitude circles are drawn at 10° intervals. Geomagnetic longitude is shown by the numbers along the outer circle and geographic longitude is given by the numbers along the inner circle with suffix E or W.

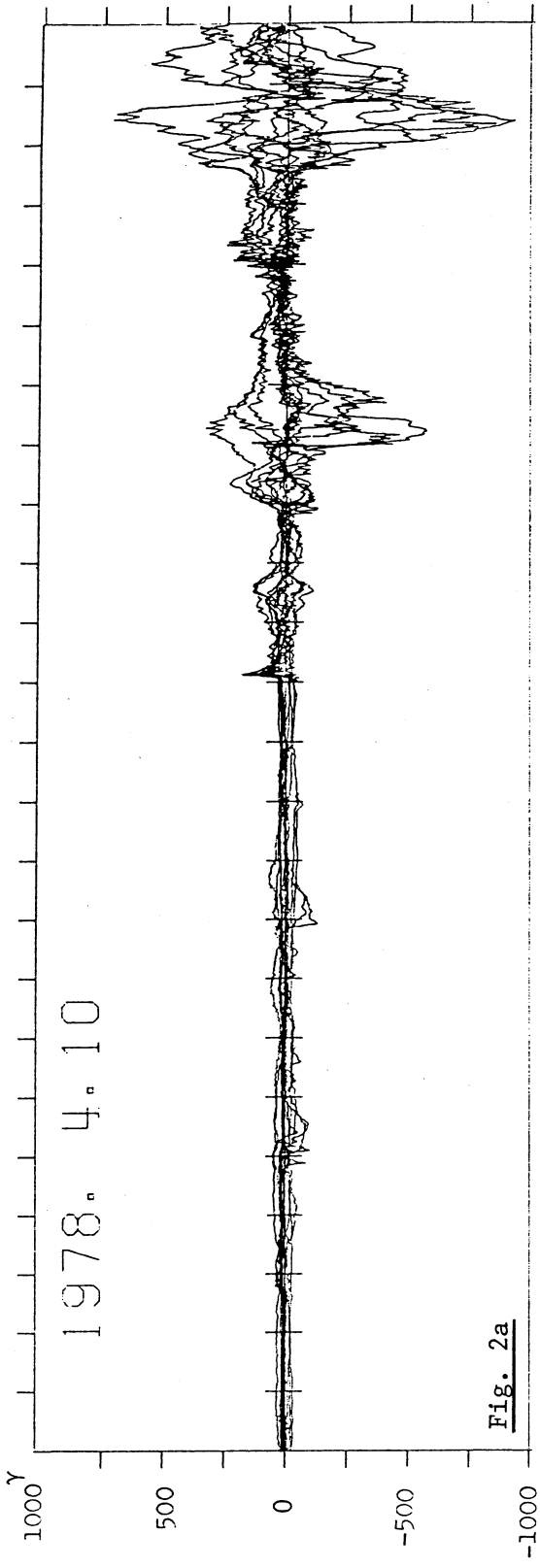


Fig. 2a

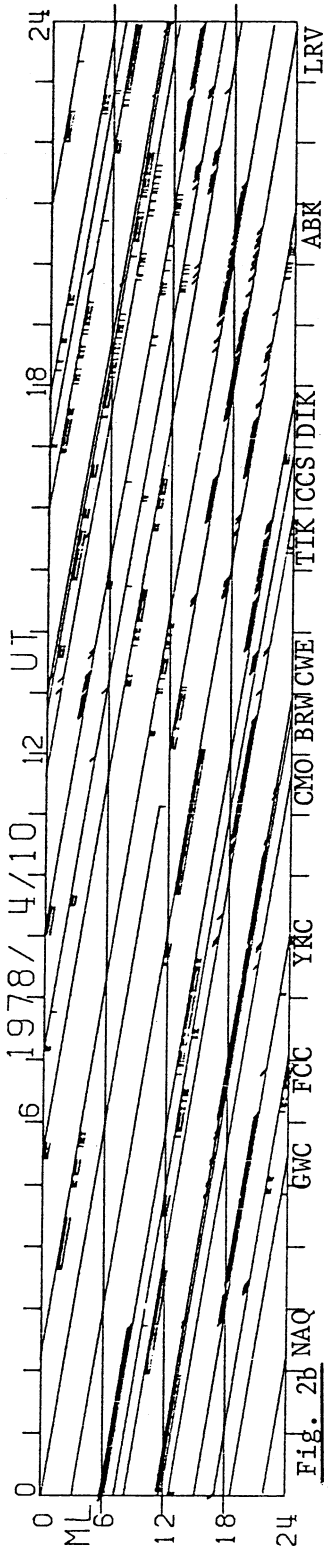


Fig. 2b

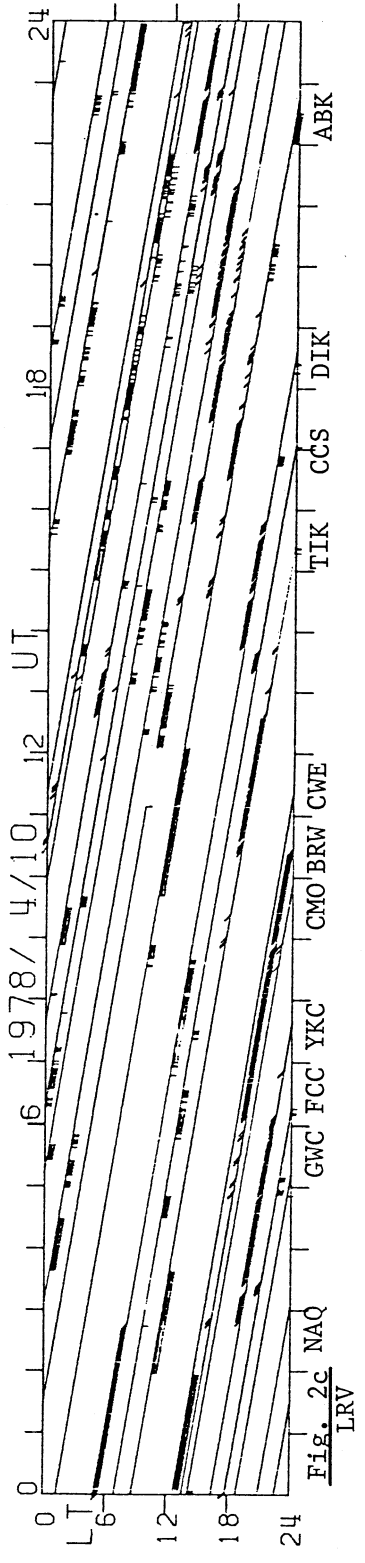


Fig. 2c

Figure 1. Of the twelve observatories eight are taking digital data in year 1995 and seven observatory data are provided in the INTERMAGNET CDROM; and Leirvogur data was provided directly from the station. These stations are referred to as digital stations below. Three of the digital stations, Fort Churchill, Poste-de-la-Baleine, and Yellowknife, give data in the X, Y, Z coordinate system. To make these data compatible with the other stations, we convert the X and Y components to the H component by $H = \sqrt{X^2 + Y^2}$. If either X or Y is missing, H is also treated as being missing. For the other three digital stations, Barrow, College, Narsarsuaq and Lerivogur, the original digital H component data are used. We used the Abisko X digital data. For Dixon, Cape Chelyuskin, Tixie and Cape Wellen, we used the H values in digitally recorded or digitized at the Arctic and Antarctic Research Institute in Petersburg.

In the confused state of affairs during the reorganization of Russia, the observatory personnel responsible for the magnetic observation at Cape Chelyuskin and Cape Wellen were not executed in the later parts of 1995. The magnetic observation at these observatories for the periods indicated above is therefore truly lacking and will never be recovered, unfortunately.

We by-passed the correction process of re-digitization of analog magnetograms at Kyoto in this provisional version of the AE index unless the digital recording or digitized values appear clearly faulty; hence we call this version 'provisional'. Unfortunately there are many short missing periods in many stations, we interpolated the short missing periods.

3. The Superposed Plot and the Plot of the Contributing Stations of the AE Indices

Figure 2a shows an example of the superposed plot of H traces from the AE stations for April 10, 1978. The upper envelope gives the AU index and the lower envelope, the AL index; Figures 2b and 2c show sample plots of the contributing stations in geomagnetic (2b) and geographic (2c) local time, for the same day as in Figure 2a. In these figures, the upper and lower plumes on a diagonal line for each station show the contribution of this station to the AU and AL indices, respectively. In Figure 2b, for example, the data from Dixon Island (DIK) give the AU index from 0000 to 0240 UT and again from 1330 to 1530 UT, and the AL index from 0640 to 0830 UT. It is seen that from 1100 to 1200 UT Leirvogur (LRV) offers no data. Since Leirvogur is a key station for the AL index for this time interval, the exact AL values may be lower than was calculated for this interval.

We use geomagnetic local time (MLT) for the ordinate of the plot of the contributing stations. MLT is defined by the difference between the geomagnetic

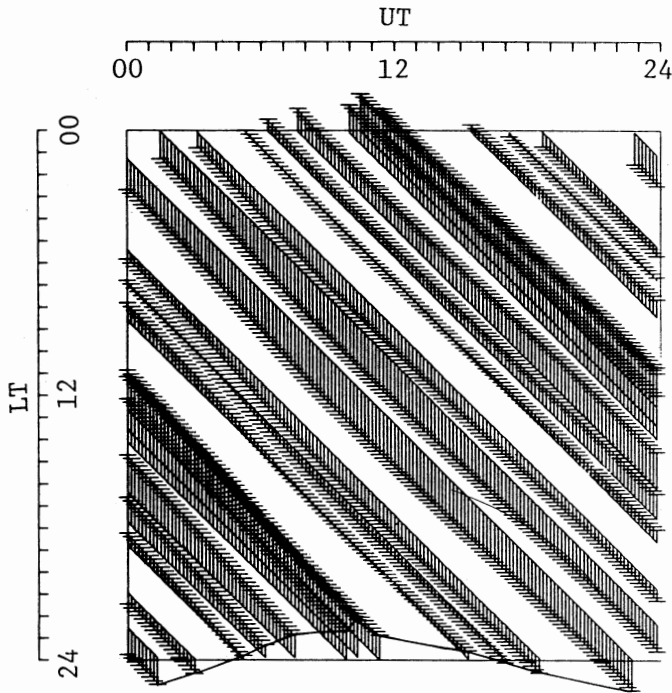


Fig. 3a Difference between GLT and MLT in winter.

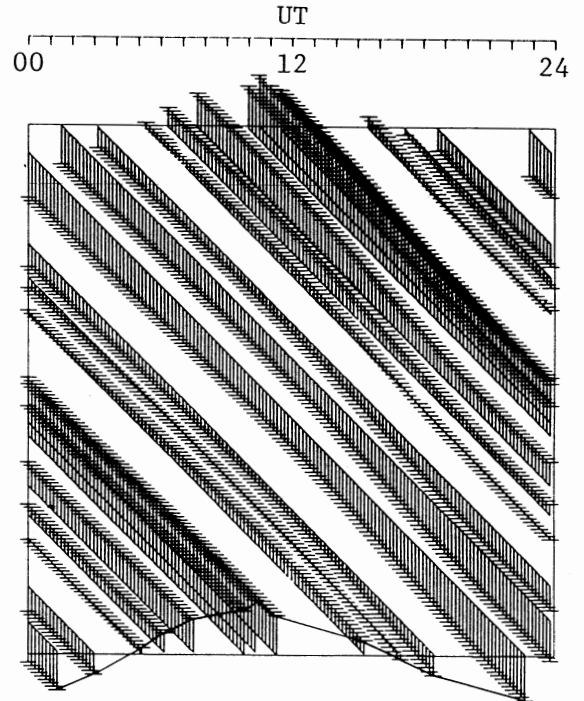


Fig. 3b Difference between GLT and MLT in summer.

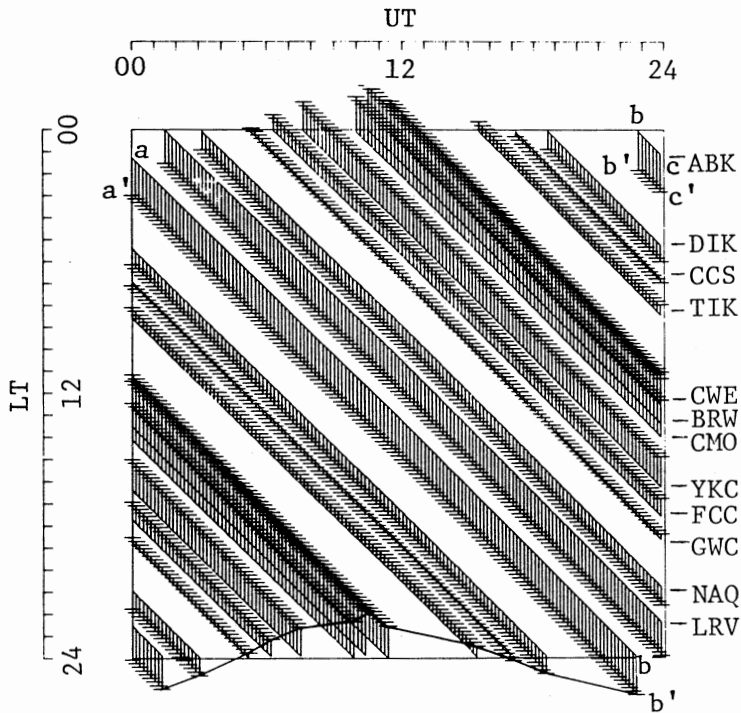


Fig. 3c Difference between GLT and MLT in equinox.

Fig. 3a, 3b and 3c show the difference between the geographic local time (GLT) and the geomagnetic local time (MLT) for winter, summer and equinox, where a-b-c (full line on the top or bottom of the vertical lines) shows the relation between UT and GLT, and a'-b'-c' (crossing of the vertical and horizontal lines) shows the relation between UT and MLT for each of the AE(12) stations.

longitude of the station and the geomagnetic longitude of the meridian opposite to the subsolar point; and MLT is a function of the geomagnetic longitude of the station, the Sun's declination, and universal time. Figures 3a, 3b, and 3c show the differences between geographic local time GLT and MLT of the stations used to derive the AE indices for winter, summer and equinox, respectively. In these figures GLT is represented for each station by a straight line which runs diagonally, and MLT is shown by the top of T shaped mark (or the bottom of inverted T). The length of the vertical line of T from the diagonal line is the difference between GLT and MLT. Note that for some stations the difference between GLT and MLT is as much as 2 hours.

4. Results

Monthly quiet-time H reference values for January-December 1995 are listed in Table 2. Table 3 gives hourly average values of the AE indices for each day from January to December 1995.

Daily graphs of 1.0-min AE indices (AU, AL, AE and AO) are shown in Figure 4, and corresponding plots of the contributing stations are given in Figure 5. Supplemental plots for disturbed days are given at the end of Figure 4. Figure 6 shows the H-traces of magnetograms from AE(12,11,10) stations for each month from January to December 1995.

Finally, summary plots of hourly values of AU, AL and AE indices are given in Figure 7.

Departing from the usual format in the Data Books for the final AE index, we give the hourly value tables, plots of the AE indices and plots of the contribution stations month by month.

5. Acknowledgements

The calculation of the provisional AE indices in this volume was made possible with the data provided directly to us by the AE stations or through the World Data Centers and the INTERMAGET GINs.

As we do not know the details of the operation of each observatory, it is not possible for us to acknowledge all the persons who have contributed to the preparation of data. Here we mention only those persons with whom we have directly corresponded.

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Table 2. Monthly quiet-time H reference values (unit in nT)
(Year 1995)

STATION	Jan.	Feb.	Mar.	Apr.	May	June
Abisko	11541	11538	11537	11535	11538	11544
Dixon Island	5960	5952	5951	5949	5787	5782
Cape Chelyuskin	3048	3047	3035	-	-	-
Tixie Bay	7438	7429	7437	7438	7422	7426
Cape Wellen	13808	13805	13804	13814	13816	-
Barrow	9402	9400	9401	9401	9394	9402
College	12701	12702	12700	12699	12698	12708
Yellowknife	8817	8820	8825	8828	8833	8836
Fort Churchill	8078	8085	8092	8094	8099	8108
Poste-de-la-Baleine	11180	11182	11186	11191	11190	11207
Narssarssuaq	12368	12369	12372	12372	12377	12385
Leirvogur	12442	12441	12443	12441	12446	12453

STATION	July	Aug.	Sep.	Oct.	Nov.	Dec.
Abisko	11543	11536	11532	11524	11532	11531
Dixon Island	5771	5776	5780	5772	5784	5780
Cape Chelyuskin	-	-	-	-	-	-
Tixie Bay	7422	7425	7433	7426	7424	7417
Cape Wellen	-	-	-	-	-	-
Barrow	9393	9382	9382	9382	9380	9372
College	12704	12698	12697	12697	12693	12690
Yellowknife	8844	8844	8842	8841	8851	8848
Fort Churchill	8120	8120	8124	8122	8132	8136
Poste-de-la-Baleine	11214	11213	11218	11219	11223	11230
Narssarssuaq	12390	12382	12386	12382	12389	12394
Leirvogur	12454	12446	12444	12439	12448	12450

TABLE 3

**Hourly average AE indices (AU, AL, AE and AO)
for January-December 1995.**

Date	AU Index (Provisional Hourly mean values, unit nT)																															Mean																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	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	25	26	27	28	29	30		31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
D	1	26	20	24	19	23	33	22	18	10	15	32	19	27	20	15	13	8	10	16	31	27	24	26	21	2	29	24	24	34	59	93	99	132	144	108	101	50	28	40	19	56	117	166	161	221	171	167	214	177	101	3	115	188	218	150	92	103	85	141	272	111	134	168	156	129	88	106	158	143	88	143	130	150	128	139	4	241	185	136	107	78	63	123	168	80	66	91	70	79	87	89	94	39	55	97	176	142	106	98	106	5	125	108	135	81	121	111	91	102	156	96	78	169	85	56	25	36	74	139	130	131	132	155	109	141	108	6	98	57	36	39	97	84	115	73	59	92	88	95	67	51	158	80	33	50	60	98	122	209	222	151	93	7	74	29	27	51	88	63	72	93	64	73	56	85	39	37	25	63	58	40	51	36	36	70	43	27	54	8	40	45	65	125	162	101	46	39	33	37	35	22	12	20	55	27	16	20	20	20	23	14	15	17	42	9	19	20	21	25	31	78	183	175	101	64	50	30	20	12	14	9	9	8	14	14	12	28	16	28	41	10	30	24	29	17	23	21	13	27	37	47	30	47	56	86	71	85	40	27	30	93	176	217	96	72	58	11	119	88	91	57	98	104	147	143	104	154	266	171	82	144	149	62	67	39	55	33	27	26	13	27	95	12	43	22	21	15	11	11	11	17	26	17	18	11	11	9	15	27	29	21	20	33	29	30	35	24	21	13	23	35	40	51	89	60	35	43	72	104	124	62	70	51	55	57	33	17	10	14	18	12	20	22	47	14	18	27	19	22	39	54	53	62	68	59	66	70	61	46	28	33	11	22	22	28	27	38	31	27	39	15	23	24	15	14	17	17	26	36	90	23	16	15	11	10	11	10	8	7	8	6	7	7	14	20	18	16	40	73	89	70	69	82	70	98	112	107	159	65	90	62	47	127	120	141	172	188	163	155	133	63	104	17	50	98	64	93	105	169	221	219	223	187	62	159	193	149	85	101	180	183	157	124	122	167	34	29	132	18	32	113	178	152	182	287	254	235	88	88	123	95	109	67	8	12	36	33	44	32	23	30	45	34	96	19	68	88	86	69	60	57	36	23	25	13	16	28	38	35	33	21	22	1	12	12	5	10	14	33	20	11	14	22	18	24	20	5	10	13	21	44	30	17	14	14	17	16	25	43	71	109	69	102	108	35	21	129	169	160	140	79	55	60	36	32	20	34	37	33	18	20	22	48	38	27	23	67	45	83	95	61	22	82	52	49	37	34	22	33	15	15	19	21	34	73	57	51	54	41	15	11	14	22	19	27	42	35	23	35	39	51	37	30	38	28	37	20	18	15	16	17	17	17	11	11	4	11	17	26	20	23	20	23	24	26	17	32	29	21	28	15	24	17	18	44	61	44	24	22	12	9	5	2	5	7	10	11	12	20	25	23	22	15	14	27	53	83	85	66	52	70	44	70	56	31	17	15	14	14	19	11	6	7	10	34	26	11	30	28	14	11	12	12	9	18	27	34	17	23	19	42	36	27	18	18	14	10	11	14	20	27	15	17	17	16	18	19	22	17	12	38	70	44	20	22	27	14	24	30	21	21	16	15	14	23	28	17	18	23	33	64	46	22	29	57	59	27	23	26	21	18	17	15	13	19	17	18	19	16	17	26	29	25	48	63	64	100	280	117	81	86	41	97	98	233	158	208	149	168	243	214	205	165	74	90	149	132	30	75	123	108	149	156	112	92	141	140	171	265	156	141	88	60	191	102	166	146	160	140	117	83	132	31	135	123	164	125	82	100	83	75	55	42	39	48	38	60	87	44	91	78	131	146	159	143	143	95	95	Mean	57	62	66	60	67	76	73	77	74	63	73	66	63	54	50	52	52	56	60	66	69	69	62	57	64	5Q Mean	18	21	23	21	26	24	19	23	38	33	38	32	24	19	24	17	16	14	13	12	11	12	13	16	21	5D Mean	59	114	126	121	127	190	153	163	161	119	136	135	166	118	89	111	128	153	142	121	118	103	80	85	126

AL Index (Provisional Hourly mean values, unit nT)

January

1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
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2	-6	-15	-6	-20	-28	-97	-114	-21	-92	-132	-56	-24	-21	-50	-227	-152	-260	-538	-766	-342	-86	-280	-210	-136	-153
D	-383	-121	-115	-121	-99	-72	-60	-258	-454	-178	-187	-269	-254	-162	-95	-433	-586	-315	-122	-120	-284	-254	-365	-301	-234
4	-180	-153	-122	-69	-49	-88	-304	-122	-25	-141	-353	-112	-101	-334	-312	-179	-138	-172	-369	-257	-66	-42	-153	-285	-172
5	-225	-187	-63	-27	-145	-139	-245	-218	-70	-158	-168	-399	-214	-43	-75	-521	-806	-570	-332	-210	-148	-220	-258	-120	-232
6	-46	-7	-11	-15	-86	-56	-69	-97	-160	-216	-170	-172	-285	-428	-143	-12	-23	-195	-238	-253	-298	-275	-371	-169	-158
7	-133	-40	-20	-20	-47	-26	-36	-71	-53	-131	-76	-289	-263	-34	-106	-198	-70	-67	-18	-117	-205	-99	-51	-60	-93
8	-75	-101	-79	-63	-11	-2	-2	-17	-36	-59	-41	-41	-23	-90	-177	-91	-30	-91	-219	-75	-9	-15	-17	-33	-58
9	-19	-31	-15	-19	-28	-134	-290	-113	-60	-24	-15	-11	-10	-12	-20	-27	-32	-27	-33	-23	-20	-72	-124	-43	-50
10	-31	-8	-5	-6	-5	-15	-19	-46	-226	-280	-77	-121	-209	-130	-190	-70	-42	-61	-87	-136	-94	-61	-23	-41	-83
11	-175	-73	-96	-79	-221	-324	-163	-219	-228	-278	-320	-181	-362	-606	-554	-234	-221	-155	-161	-57	-33	-53	-44	-130	-207
12	-150	-21	-9	-9	-9	-11	-9	-14	-32	-59	-26	-14	-19	-21	-83	-155	-141	-73	-85	-160	-58	-40	-98	-12	-54
13	-8	-8	-20	-69	-124	-17	-16	-64	-324	-241	-118	-98	-200	-141	-147	-95	-56	-31	-57	-80	-125	-47	-25	-29	-89
14	-22	-40	-16	-8	-7	-9	-62	-14	-5	-4	-8	-37	-30	-73	-71	-55	-99	-116	-120	-67	-61	-97	-30	-24	-45
Q	-28	-40	-20	-10	-10	-8	-17	-104	-77	-12	-31	-31	-20	-15	-17	-13	-12	-12	-6	-48	-86	-38	-21	-47	-30
16	-75	-75	-22	-26	-79	-107	-58	-94	-150	-126	-204	-560	-443	-162	-250	-215	-213	-304	-329	-435	-686	-437	-216	-144	-225
D	-73	-140	-239	-197	-286	-305	-274	-318	-230	-358	-721	-476	-182	-125	-113	-99	-523	-664	-449	-450	-550	-471	-571	-767	-358
D	-518	-427	-338	-487	-375	-447	-454	-172	-56	-67	-393	-170	-100	-109	-144	-86	-214	-213	-175	-101	-56	-67	-92	-159	-226
19	-95	-55	-33	-23	-21	-10	-11	-8	-12	-15	-10	-36	-152	-170	-123	-89	-124	-64	-55	-72	-15	-13	-11	-11	-51
20	-7	-5	-4	-15	-13	-12	-26	-6	-5	-10	-63	-31	-12	-15	-14	-36	-68	-151	-94	-175	-392	-100	-67	-81	-58
21	-88	-42	-59	-29	-34	-34	-63	-6	-3	-7	-52	-74	-57	-63	-97	-177	-122	-82	-82	-42	-179	-239	-130	-130	-79
22	-59	-22	-49	-17	-5	-3	-7	0	0	-1	-3	-84	-230	-490	-217	-30	-13	-30	-93	-124	-92	-49	-51	-165	-76
23	-58	-26	-91	-213	-122	-35	-12	-27	-2	-4	-13	-30	-27	-21	-40	-13	-22	-19	-16	-72	-160	-82	-47	-38	-50
24	-42	-21	-20	-27	-17	-16	-23	-42	-28	-83	-186	-182	-82	-25	-18	-19	-24	-21	-44	-10	-9	-1	-14	-12	-40
Q	-28	-27	-14	-10	-11	-116	-113	-50	-35	-78	-86	-121	-117	-24	-15	-17	-19	-17	-18	-57	-36	-41	-24	-17	-45
26	-10	-51	-33	-1	-2	-2	-2	-7	-30	-141	-48	-13	-35	-29	-139	-76	-31	-15	-11	-5	-7	-7	-14	-8	-30
Q	-8	-1	0	0	0	-2	-3	-5	-22	-161	-182	-71	-31	-35	-37	-77	-107	-42	-43	-7	-1	-1	-6	-5	-35
Q	-3	-2	-6	-24	-41	-8	-1	-8	-106	-103	-27	0	-5	-3	-3	-3	-7	-5	0	2	-5	-11	-19	-14	-17
D	-20	-47	-36	-130	-320	-91	-53	-27	-13	-2	-72	-387	-436	-573	-361	-105	-232	-607	-468	-174	-258	-849	-626	-260	-256
D	-380	-228	-287	-124	-383	-236	-290	-167	-150	-171	-152	-535	-444	-207	-294	-442	-389	-453	-1022	-718	-314	-379	-83	-175	-334
31	-567	-617	-398	-378	-343	-305	-277	-37	-151	-100	-73	-140	-102	-426	-95	-173	-294	-285	-790	-533	-455	-262	-108	-272	-299
Mean	-113	-85	-72	-72	-94	-88	-99	-76	-91	-110	-131	-155	-144	-149	-135	-126	-159	-177	-206	-159	-155	-149	-125	-119	-125
5Q	-18	-23	-15	-12	-14	-7	-9	-33	-52	-100	-94	-59	-34	-21	-42	-37	-36	-19	-20	-13	-21	-11	-14	-17	-30
5D	-274	-192	-203	-211	-292	-230	-226	-188	-180	-155	-305	-367	-283	-235	-201	-233	-388	-450	-447	-312	-292	-404	-347	-332	-281

AE Index (Provisional Hourly mean values, unit nT) January 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	37	38	34	36	31	33	42	35	28	104	173	152	36	37	29	33	37	125	121	39	72	53	50	42	59
	32	41	32	56	88	191	214	154	237	241	158	75	50	90	247	208	377	704	927	563	258	448	425	314	236
D	499	310	334	273	192	176	146	399	727	290	321	438	411	291	183	540	745	459	271	208	428	386	517	430	374
	422	339	260	178	128	152	428	291	106	208	444	183	180	423	402	274	178	228	467	433	208	149	252	362	279
	351	297	200	109	267	251	337	322	227	254	246	568	300	100	101	557	881	709	463	343	281	377	368	262	340
	144	65	48	55	184	142	186	171	219	308	258	267	352	480	301	93	57	246	300	351	421	485	594	320	252
	208	69	48	73	136	90	109	166	119	205	133	375	302	72	132	263	129	109	69	154	242	170	95	89	148
	116	147	145	190	174	104	50	57	69	96	77	63	37	115	198	146	58	109	241	97	34	31	34	51	102
	39	53	37	46	61	213	473	289	162	89	67	43	31	26	33	42	43	36	39	38	32	102	142	73	92
	63	33	36	25	29	37	34	74	264	328	107	169	266	217	261	155	83	88	118	230	270	279	120	114	142
	296	162	189	138	321	430	311	364	333	433	586	353	445	750	703	297	289	195	218	91	62	81	59	158	303
	194	45	31	25	22	23	21	32	58	76	46	26	32	31	98	183	171	95	106	193	88	72	135	37	77
	33	44	62	121	215	78	52	107	397	346	242	160	270	193	204	153	90	50	68	95	145	61	46	52	137
	41	68	36	31	48	64	115	77	74	64	75	107	91	120	100	89	111	139	143	95	88	136	62	53	84
Q	52	66	36	26	28	26	44	141	167	35	48	48	33	26	30	24	21	21	15	56	93	47	36	69	50
	117	150	112	98	149	190	130	193	263	233	365	626	533	225	297	343	334	446	502	624	850	593	351	208	330
D	124	240	304	291	392	474	495	538	454	547	783	636	376	275	199	201	704	848	607	575	672	639	606	797	491
D	551	542	518	641	558	735	710	408	145	156	517	265	210	176	151	98	251	247	220	134	81	98	139	194	323
	164	145	120	94	83	68	48	32	39	30	26	64	190	205	156	110	147	65	68	86	22	24	26	27	85
	19	20	27	35	39	33	32	16	19	32	107	62	31	30	29	54	85	177	138	246	502	169	170	190	94
	219	213	220	171	114	90	124	43	36	28	87	112	91	82	117	201	172	121	110	66	246	286	214	227	141
	142	75	99	56	40	27	42	16	15	21	25	119	304	548	269	85	56	46	105	139	114	69	80	208	113
	94	66	144	252	153	74	41	66	24	24	29	47	45	40	58	26	34	24	28	90	187	102	71	59	74
	70	39	53	57	39	45	39	67	45	101	230	244	126	51	42	33	34	28	46	17	17	11	27	26	62
Q	52	51	31	25	39	169	197	136	101	131	157	166	188	81	48	36	36	33	39	70	43	49	32	28	81
	22	83	63	15	14	15	15	18	48	168	83	31	59	49	182	113	59	34	31	21	18	20	29	25	51
Q	25	20	16	16	20	22	26	23	35	200	253	116	52	58	65	93	132	74	66	30	18	18	22	23	59
Q	22	21	30	59	106	56	25	37	163	162	54	25	32	26	23	21	23	19	19	16	24	31	36	32	44
D	47	96	100	195	420	373	171	110	100	43	170	486	670	731	569	255	401	851	633	380	424	924	718	411	389
D	457	353	396	274	540	349	383	310	290	343	417	691	585	296	355	633	491	620	1168	878	455	497	167	264	467
	703	741	563	505	427	405	361	113	207	143	112	189	140	487	183	218	386	364	922	680	615	406	252	369	395
Mean	172	149	139	134	163	165	174	155	166	175	206	222	208	204	185	179	213	235	268	227	226	219	189	177	190
5Q Mean	38	45	39	34	41	32	29	57	91	133	133	92	60	42	68	56	53	35	35	28	34	25	30	35	53
5D Mean	335	308	330	334	420	421	381	353	343	275	441	503	450	353	291	345	518	605	589	435	412	508	429	419	408

A0 Index (Provisional Hourly mean values, unit nT) January 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
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	11	4	8	6	15	-1	-7	54	25	-11	22	13	3	-5	-103	-47	-71	-185	-301	-60	42	-55	2	19	-25
	-133	33	51	14	-3	15	12	-58	-90	-32	-25	-50	-48	-16	-3	-163	-213	-86	13	-15	-69	-61	-107	-86	-46
	30	15	7	18	14	-11	-89	23	27	-36	-130	-20	-10	-122	-110	-42	-49	-57	-135	-40	37	31	-27	-104	-32
	-49	-38	35	26	-11	-13	-76	-57	43	-30	-44	-114	-64	6	-24	-242	-365	-214	-99	-39	-7	-32	-74	9	-61
	25	24	12	11	5	13	23	-12	-50	-61	-40	-37	-108	-188	7	33	4	-72	-88	-76	-87	-32	-74	-8	-32
	-28	-5	3	15	20	17	17	10	5	-28	-9	-101	-111	1	-39	-66	-5	-13	16	-40	-84	-14	-3	-16	-19
	-16	-27	-6	30	75	49	21	11	-1	-10	-2	-9	-5	-32	-78	-17	-1	-37	-99	-27	6	0	0	-7	-7
	0	-4	2	3	1	-27	-53	31	20	19	17	9	4	0	-3	-5	-10	-9	-13	-4	-3	-21	-53	-7	-4
	0	8	11	5	8	2	-2	-9	-93	-115	-22	-36	-76	-21	-59	7	0	-16	-28	-21	40	77	36	15	-12
	-27	7	-2	-10	-61	-109	-7	-37	-61	-61	-26	-4	-139	-230	-202	-85	-76	-57	-52	-11	-2	-12	-14	-50	-55
	-52	0	5	2	0	0	1	1	-2	-20	-3	-1	-3	-5	-33	-63	-55	-25	-32	-63	-14	-4	-31	6	-16
	7	13	10	-8	-17	21	9	-9	-124	-67	3	-17	-64	-44	-45	-18	-10	-6	-22	-32	-53	-16	-2	-3	-20
	-1	-5	1	6	15	22	-3	23	31	27	28	16	15	-12	-20	-10	-43	-46	-48	-19	-16	-29	0	1	-2
Q	-1	-7	-1	1	3	4	4	-33	6	5	-6	-7	-3	-1	-2	-1	-1	-1	0	-20	-39	-14	-3	-12	-5
	-16	0	33	21	-4	-12	6	2	-18	-8	-22	-247	-175	-49	-101	-43	-46	-81	-77	-123	-260	-140	-40	-39	-60
D	-10	-20	-86	-51	-89	-67	-26	-49	-2	-85	-328	-157	5	12	-13	1	-170	-239	-145	-162	-213	-151	-267	-368	-112
D	-242	-156	-79	-167	-96	-79	-98	31	15	10	-134	-36	4	-21	-67	-36	-88	-89	-65	-34	-15	-17	-22	-61	-64
	-12	16	26	22	19	23	12	6	6	0	2	-3	-56	-67	-44	-34	-50	-31	-21	-29	-4	-1	1	1	-9
	2	4	8	1	5	3	-9	1	3	5	-8	0	2	0	0	-9	-25	-62	-25	-51	-141	-14	17	13	-11
	20	63	49	54	22	10	-1	14	13	6	-8	-17	-11	-22	-38	-77	-36	-22	-26	-9	-55	-96	-23	-17	-8
	11	14	0	9	14	9	12	7	8	8	8	-24	-78	-216	-82	11	13	-6	-40	-54	-34	-14	-11	-60	-20
	-10	6	-19	-87	-45	1	7	5	8	6	1	-6	-4	-1	-10	0	-5	-7	-2	-27	-66	-30	-11	-7	-12
Q	-7	-1	5	1	2	6	-3	-8	-4	-31	-70	-59	-18	0	1	-2	-6	-7	-20	-2	-1	4	-1	0	-9
	-2	-2	0	1	7	-31	-14	17	15	-12	-7	-37	-23	15	8	0	-1	-1	0	-22	-14	-16	-8	-2	-5
Q	0	-10	-2	6	4	5	4	1	-5	-56	-6	2	-5	-4	-48	-19	-2	1	3	3	1	1	0	3	-5
Q	3	7	8	8	8	8	9	6	-5	-60	-54	-12	-4	-6	-4	-30	-41	-5	-10	6	7	6	3	5	-6
Q	6	7	8	4	11	18	10	10	-24	-21	0	11	10	8	7	6	3	3	10	9	6	3	-1	1	4
D	2	0	13	-32	-109	94	31	26	36	19	12	-144	-100	-207	-76	21	-32	-181	-126	15	-46	-387	-267	-55	-62
D	-152	-51	-88	12	-112	-61	-98	-12	-4	0	56	-188	-151	-59	-116	-125	-142	-142	-436	-278	-86	-131	0	-43	-100
31	-215	-246	-116	-125	-129	-101	-96	18	-47	-27	-16	-45	-31	-182	-4	-64	-101	-103	-328	-192	-147	-59	17	-88	-101
Mean	-27	-11	-3	-6	-13	-6	-12	0	-8	-22	-28	-43	-40	-47	-41	-36	-52	-59	-72	-45	-42	-39	-31	-30	-30
5Q Mean	0	0	3	4	5	8	4	-4	-6	-32	-27	-13	-4	0	-9	-9	-9	-9	-1	-3	0	-5	0	0	-4
5D Mean	-107	-38	-37	-44	-81	-19	-35	-12	-9	-17	-83	-115	-58	-58	-55	-60	-129	-147	-151	-94	-85	-149	-132	-122	-77

AU Index (Provisional Hourly mean values, unit nT) February 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
1	84	84	121	109	83	148	155	149	74	33	82	48	69	76	70	57	99	108	121	87	90	68	50	31	87
2	42	80	60	68	77	230	128	91	89	186	107	59	65	37	116	163	98	80	154	90	93	95	117	112	102
3	108	71	142	144	122	125	123	92	104	51	85	129	103	74	137	71	78	123	169	172	171	136	54	67	110
4	127	105	142	105	104	129	100	69	142	119	106	74	65	75	90	124	123	158	50	57	67	77	73	52	97
5	55	40	46	34	44	30	42	71	98	74	100	96	54	25	18	12	22	13	22	9	10	13	14	14	40
6	26	31	25	29	45	43	56	47	26	23	30	60	72	102	45	29	97	75	22	16	14	14	31	39	42
7	64	48	29	47	69	63	37	35	30	19	22	51	29	21	11	8	11	4	8	10	32	60	96	212	42
8	221	160	68	140	144	254	312	305	285	164	162	174	227	96	59	90	43	20	24	23	24	23	29	28	128
9	17	12	9	23	25	27	19	28	14	7	7	4	4	9	11	9	7	7	7	4	7	8	8	9	12
10	10	11	17	8	7	6	8	7	9	8	10	8	8	7	10	14	11	11	16	14	14	17	18	52	13
11	79	153	72	40	28	81	129	154	262	149	90	185	135	88	66	238	158	231	236	243	128	147	134	124	140
12	112	106	106	188	122	45	24	42	66	84	132	95	96	50	35	47	34	141	140	181	141	80	38	156	94
13	92	247	146	105	113	131	237	194	60	73	133	102	183	91	197	146	178	244	111	109	98	78	84	146	137
14	103	156	99	121	134	97	63	31	67	93	78	98	109	136	238	120	161	167	140	174	111	69	36	46	110
15	53	42	49	74	118	117	78	65	62	62	92	69	37	47	79	35	105	57	65	108	108	81	113	96	75
16	62	53	51	43	56	58	46	43	38	24	29	27	30	29	72	101	112	80	31	28	24	28	30	35	47
17	23	22	35	19	17	34	56	37	51	52	46	92	51	35	28	28	16	20	26	28	18	17	19	26	33
18	42	67	86	46	53	50	69	36	45	60	67	44	33	49	28	20	33	32	54	20	26	26	19	30	43
19	32	24	27	52	41	50	33	40	20	34	38	29	39	16	19	24	16	26	25	16	27	54	47	28	31
20	30	32	44	39	31	27	35	66	31	21	27	45	32	26	29	30	14	16	39	57	22	20	20	24	32
21	17	21	23	42	32	29	19	16	21	56	75	94	33	23	20	17	10	9	8	9	15	36	35	32	29
22	22	18	20	21	21	20	26	28	18	22	33	46	28	17	12	16	12	12	12	9	7	8	11	14	19
23	11	12	13	10	11	12	40	28	31	88	93	121	199	146	74	49	28	14	27	26	39	58	63	44	52
24	26	17	20	24	34	25	28	38	44	41	28	18	18	16	12	8	10	12	14	14	18	17	22	15	22
25	12	12	12	11	12	14	15	12	13	12	10	10	10	12	15	11	10	7	6	10	14	14	16	22	12
26	21	44	51	30	51	91	130	182	134	121	275	269	238	160	244	157	49	101	250	346	257	211	143	134	154
27	41	27	91	65	50	78	61	104	121	243	209	79	64	102	255	278	165	55	117	196	248	184	177	207	134
28	140	81	86	85	85	54	157	190	160	335	218	158	75	33	25	17	24	114	123	168	196	164	166	163	126
Mean	59	63	60	61	61	73	79	78	75	80	85	81	75	57	71	68	61	69	71	79	72	64	59	69	70
5Q Mean	17	14	15	17	19	18	19	22	19	18	17	17	13	12	12	11	10	9	10	10	12	12	15	22	15
5D Mean	105	148	101	107	96	81	122	122	123	146	130	127	119	79	112	113	111	179	150	175	134	107	91	127	121

February 1995

AL Index (Provisional Hourly mean values, unit nT)

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
1	-109	-68	-137	-90	-28	-133	-136	-91	-29	-20	-152	-170	-199	-86	-129	-215	-336	-242	-242	-100	-196	-51	-18	-12	-125
2	-38	-90	-72	-140	-172	-247	-35	-69	-235	-414	-124	-87	-342	-326	-298	-628	-414	-204	-413	-291	-182	-252	-377	-248	-237
3	-294	-489	-408	-186	-129	-140	-284	-349	-276	-119	-183	-259	-501	-609	-412	-269	-264	-443	-456	-418	-484	-278	-52	-118	-309
4	-491	-625	-201	-68	-150	-260	-85	-115	-179	-255	-239	-129	-80	-88	-394	-442	-378	-390	-273	-189	-194	-84	-47	-10	-222
5	-13	-4	-9	-18	-33	-21	-13	-49	-70	-53	-70	-57	-22	-15	-12	-19	-16	-19	-22	-4	-11	-9	-6	-19	-24
6	-94	-16	-76	-94	-11	-46	-31	0	-2	-2	-29	-95	-288	-174	-38	-69	-270	-226	-28	-16	-21	-29	-42	-84	-74
7	-285	-156	-72	-168	-245	-112	-123	-49	-69	-87	-69	-142	-83	-20	-14	-29	-152	-122	-39	-15	-42	-111	-424	-647	-136
8	-365	-295	-470	-296	-469	-656	-489	-532	-568	-703	-478	-517	-791	-229	-227	-251	-97	-150	-121	-36	-35	-14	-16	-21	-326
9	-22	-11	-9	-21	-115	-156	-64	-58	-46	-22	-50	-55	-19	-11	-11	-8	-4	-4	-11	-9	-19	-7	-4	-1	-31
10	-2	0	0	-5	-5	-5	-5	-7	-4	-4	-4	-6	-6	-8	-7	-4	-7	-9	-63	-17	-1	-11	-31	-127	-14
11	-186	-137	-24	3	4	-22	-316	-552	-351	-134	-67	-49	-476	-591	-315	-311	-140	-418	-464	-282	-69	-274	-318	-363	-244
12	-262	-158	-193	-259	-61	-8	-14	-34	-144	-271	-109	-339	-110	-2	-26	-45	-72	-520	-578	-403	-393	-94	-36	-337	-186
13	-650	-312	-267	-260	-117	-111	-460	-203	-14	-64	-239	-500	-174	-274	-907	-754	-481	-375	-183	-82	-140	-290	-423	-588	-326
14	-590	-507	-405	-106	-210	-143	-49	-31	-63	-288	-183	-190	-762	-486	-685	-347	-263	-429	-339	-480	-198	-65	-48	-113	-291
15	-177	-45	-36	-169	-233	-73	-27	-56	-138	-92	-147	-99	-63	-137	-63	-203	-504	-416	-227	-387	-192	-132	-410	-185	-175
16	-77	-44	-20	-18	-62	-36	-40	-90	-15	-52	-84	-24	-23	-53	-134	-175	-288	-249	-40	-13	-27	-74	-77	-44	-74
17	-13	-27	-43	-11	-7	-24	-77	-157	-75	-65	-255	-224	-94	-116	-250	-193	-191	-38	-13	-7	-3	-9	-25	-14	-80
18	-19	-193	-237	-100	-125	-117	-105	-23	-3	-91	-219	-105	-44	-114	-65	-211	-171	-118	-297	-122	-14	-7	-6	-20	-105
19	-26	-10	-12	-105	-130	-35	-9	-3	-12	-51	-55	-35	-54	-66	-33	-35	-101	-183	-70	-9	-15	-151	-92	-39	-55
20	-14	-19	-82	-95	-20	-19	-36	-133	-93	-19	-28	-118	-110	-44	-17	-35	-65	-135	-148	-118	-68	-7	-7	-21	-60
21	-22	-32	-15	-60	-22	-7	-3	-1	-38	-188	-206	-121	-21	-10	-6	-14	-16	-12	-15	-37	-24	-174	-88	-46	-49
22	-21	-11	-14	-9	-6	-3	-37	-10	-6	-12	-58	-130	-50	-26	-24	-13	-16	-37	-14	-4	-8	-14	-12	-16	-23
23	-7	-7	-5	-5	-4	-18	-96	-35	-98	-134	-174	-233	-227	-242	-237	-156	-96	-53	-54	-65	-102	-90	-55	-34	-93
24	-12	-2	-5	-5	-15	-9	-12	-77	-183	-108	-47	-24	-9	-7	-4	-4	-6	-27	-10	-42	-99	-38	-7	-5	-32
25	-4	-4	-3	-6	-6	-6	-5	-4	-3	-1	-3	-5	-65	-19	-4	-3	-6	-25	-24	-19	-30	-19	-20	-24	-13
26	-58	-94	-68	-35	-56	-236	-338	-324	-176	-127	-183	-281	-306	-316	-335	-198	-60	-236	-460	-361	-308	-159	-48	-75	-202
27	-5	-6	-41	-235	-69	-47	-74	-210	-224	-453	-149	1	-69	-498	-590	-380	-78	-32	-248	-633	-502	-339	-332	-54	-219
28	-83	-337	-317	-103	-4	-8	-181	-297	-536	-562	-218	-210	-104	-23	-41	-19	-50	-213	-643	-516	-626	-276	-271	-289	-247
Mean	-140	-132	-115	-95	-89	-96	-112	-127	-130	-156	-136	-150	-181	-163	-188	-179	-162	-190	-196	-166	-141	-109	-117	-125	-141
5Q Mean	-12	-5	-6	-9	-29	-35	-24	-31	-48	-29	-32	-44	-29	-14	-10	-6	-8	-20	-24	-18	-31	-17	-14	-34	-22
5D Mean	-354	-290	-241	-145	-77	-58	-204	-223	-221	-263	-163	-257	-325	-275	-394	-295	-201	-391	-441	-352	-285	-199	-219	-328	-258

AE Index (Provisional Hourly mean values, unit nT) February 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
1	194	152	259	201	113	281	292	240	104	54	235	219	268	164	199	273	436	351	365	188	287	120	69	43	213	
2	81	170	133	209	251	478	164	162	325	600	233	148	408	364	415	792	513	285	568	382	276	347	495	361	340	
3	403	561	550	331	252	265	409	442	381	171	269	389	605	684	549	341	343	566	626	590	656	415	107	186	421	
4	619	731	344	175	236	391	186	185	322	375	346	204	146	163	485	568	502	549	323	246	221	162	121	62	320	
5	69	45	57	53	79	52	56	122	170	128	170	154	77	41	31	32	40	33	45	14	21	23	20	34	65	
6	121	48	102	125	58	90	89	48	28	26	60	156	362	276	84	99	368	302	51	33	36	44	73	123	117	
7	350	205	102	216	315	176	161	85	101	107	91	195	113	42	26	38	164	127	47	26	74	172	522	861	180	
8	587	456	539	438	614	911	803	838	855	868	641	691	1019	325	287	343	141	170	146	60	60	38	46	49	455	
9	40	24	19	45	142	184	85	87	60	29	59	63	24	21	24	19	17	13	19	14	27	17	14	11	44	
10	13	11	16	14	12	12	14	15	14	12	15	14	15	16	18	20	19	21	80	33	16	29	50	180	27	
11	266	291	96	37	24	103	446	708	615	284	158	235	613	680	382	549	299	649	700	526	197	422	453	488	384	
12	375	266	300	449	184	54	38	78	211	356	243	435	207	52	62	93	107	662	718	584	535	174	74	494	281	
13	743	660	414	366	231	243	638	338	74	138	373	603	358	366	1105	901	660	620	295	192	238	369	508	685	484	
14	694	664	505	229	345	242	114	63	132	382	262	290	871	623	924	468	424	597	480	655	310	134	85	160	492	
15	231	88	87	245	353	191	105	122	201	155	240	169	100	165	142	239	610	475	293	496	300	213	523	282	252	
16	140	98	71	62	119	95	87	134	54	78	114	53	54	82	206	276	411	330	72	42	51	103	107	80	122	
17	37	50	80	32	25	59	133	195	127	117	301	318	146	153	280	222	208	60	40	35	22	26	45	41	115	
18	61	260	324	148	180	168	175	60	49	152	287	149	78	164	94	233	205	151	352	143	41	34	25	50	149	
19	58	35	40	158	173	86	42	44	33	85	94	65	94	82	54	61	118	210	96	26	43	205	139	67	88	
20	45	53	127	135	52	48	72	200	123	41	56	164	144	70	48	67	81	153	188	176	90	28	27	46	93	
21	39	53	39	103	56	37	24	18	61	245	282	216	55	34	27	32	27	22	24	47	40	210	124	79	79	
22	44	30	35	31	28	24	65	38	25	35	92	177	79	45	37	31	30	50	24	14	15	22	23	31	43	
23	19	20	19	16	15	32	138	64	131	223	268	355	427	389	312	206	125	68	81	92	142	148	118	80	145	
24	39	20	26	31	50	35	41	115	228	150	75	43	29	24	17	14	18	40	25	57	117	55	29	21	54	
25	17	18	16	18	20	21	21	18	17	15	14	17	76	32	20	15	17	33	31	30	44	33	37	46	26	
26	80	139	121	67	108	327	469	507	311	248	459	551	545	477	579	356	109	338	711	708	565	370	191	210	356	
27	48	34	133	301	120	127	136	314	346	697	359	78	133	602	845	658	244	89	365	829	751	525	510	262	354	
28	224	420	404	188	89	62	340	487	697	898	436	368	180	58	66	38	74	327	766	685	822	441	438	453	373	
Mean	201	196	177	157	152	171	192	206	207	238	222	232	258	221	261	249	225	260	268	247	214	174	177	195	212	
5Q Mean	30	20	22	27	50	55	45	54	68	48	51	62	44	27	23	19	20	31	35	29	43	31	30	30	57	38
5D Mean	460	440	343	253	174	140	327	346	345	411	294	386	445	355	507	409	312	571	591	528	420	308	311	456	381	

AO Index (Provisional Hourly mean values, unit nT) February 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
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2	1	-4	-6	-35	-47	-8	45	10	-72	-113	-8	-13	-138	-143	-90	-231	-157	-61	-129	-100	-43	-78	-129	-67	-67
3	-92	-207	-132	-20	-3	-7	-80	-127	-85	-33	-48	-64	-198	-137	-137	-98	-92	-160	-142	-122	-156	-70	0	-24	-98
4	-181	-259	-29	18	-22	-65	7	-22	-18	-67	-66	-26	-7	-6	-151	-158	-126	-115	-111	-65	-43	-3	12	20	-62
5	20	17	17	7	5	4	13	10	13	10	14	19	15	5	2	-3	2	-2	0	1	0	1	3	-2	7
6	-83	6	-25	-32	16	-1	12	23	11	10	0	-17	-107	-35	3	-19	-85	-74	-2	0	-3	-7	-5	-22	-16
7	-110	-53	-21	-60	-87	-24	-42	-7	-19	-33	-22	-44	-26	0	-1	-9	-70	-58	-14	-2	-4	-25	-163	-217	-46
8	-71	-67	-200	-77	-162	-200	-87	-112	-141	-269	-157	-170	-281	-65	-83	-79	-26	-64	-47	-5	-5	4	5	3	-98
9	-1	0	0	0	-44	-64	-22	-14	-15	-7	-20	-23	-7	-1	0	0	0	0	0	-1	-2	0	2	3	-9
10	4	5	9	1	1	0	1	0	2	1	2	0	0	0	1	4	1	0	0	-22	-1	6	-6	-37	0
11	-53	7	23	22	16	29	-93	-198	-44	7	10	67	-170	-250	-124	-35	8	-93	-113	-19	29	-63	-91	-118	-52
12	-74	-25	-42	-35	30	18	4	3	-38	-92	11	-121	-7	23	4	1	-18	-189	-218	-110	-125	-6	1	-90	-45
13	-278	-32	-60	-76	-2	10	-110	-4	22	4	-52	-198	4	-91	-354	-303	-150	-64	-35	13	-21	-105	-168	-195	-93
14	-242	-174	-152	7	-38	-23	6	0	2	-96	-51	-46	-325	-174	-222	-112	-50	-130	-99	-152	-43	1	-5	-32	-89
15	-61	-1	-6	-47	-57	21	25	4	-37	-14	-26	-14	-12	-44	7	-83	-198	-178	-80	-139	-41	-25	-148	-44	-49
16	-7	4	14	12	-3	10	2	-23	10	-13	-26	1	3	-11	-30	-36	-92	-84	-4	7	-1	-23	-23	-4	-13
17	4	-2	-3	3	4	4	-10	-59	-12	-6	-103	-65	-20	-39	-110	-81	-86	-8	5	10	7	4	-3	5	-23
18	11	-63	-75	-26	-35	-33	-17	6	20	-15	-75	-29	-5	-31	-18	-94	-68	-42	-120	-50	5	9	6	4	-30
19	2	6	6	-26	-44	7	11	17	3	-8	-8	-2	-6	-24	-6	-5	-41	-78	-21	2	5	-48	-22	-5	-11
20	7	6	-18	-27	5	3	0	-33	-30	0	0	-35	-38	-8	5	-2	-24	-58	-54	-30	-22	6	6	1	-14
21	-2	-5	3	-8	5	10	7	7	-8	-66	-64	-12	5	5	6	1	-2	0	-3	-13	-4	-68	-26	-6	-10
22	0	2	2	5	7	8	-5	8	5	4	-11	-41	-10	-4	-5	1	-1	-11	-2	1	0	-2	0	-1	-2
23	1	1	3	1	2	-3	-28	-3	-33	-22	-40	-55	-13	-47	-80	-52	-33	-19	-13	-18	-31	-15	3	4	-20
24	6	7	6	8	9	7	7	-19	-69	-33	-8	-2	4	4	3	2	1	-7	-7	-14	-40	-10	7	4	-5
25	3	3	4	2	2	3	4	3	4	5	3	2	-26	-3	5	3	1	-8	-8	-4	-7	-2	-1	0	0
26	-18	-24	-8	-2	-2	-72	-103	-70	-20	-3	45	-5	-33	-77	-44	-19	-5	-66	-104	-7	-25	25	46	28	-23
27	17	10	24	-84	-9	14	-5	-52	-50	-104	30	40	-2	-197	-166	-50	43	11	-65	-218	-127	-77	-77	76	-42
28	28	-127	-115	-8	40	22	-11	-53	-187	-112	0	-25	-14	4	-7	0	-12	-49	-259	-173	-214	-56	-51	-62	-60
Mean	-40	-34	-27	-16	-13	-11	-16	-24	-27	-37	-25	-33	-52	-52	-57	-54	-49	-59	-61	-43	-34	-22	-29	-27	-35
5Q Mean	2	3	4	3	-5	-9	-3	-4	-14	-6	-6	-12	-7	0	0	2	0	-5	-6	-4	-9	-2	0	-6	-3
5D Mean	-123	-70	-69	-18	9	11	-40	-50	-49	-57	-16	-64	-102	-97	-140	-89	-44	-105	-144	-88	-74	-45	-62	-99	-68

		AU Index (Provisional Hourly mean values, unit nT)																								1995	
		March												1995													
Date		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
D	1	77	59	64	93	230	60	112	104	176	109	144	79	34	66	37	189	80	157	137	149	163	162	150	86	113	
	2	62	85	114	95	184	149	157	150	199	126	172	159	99	116	134	121	91	154	94	48	23	33	38	28	110	
	3	42	49	72	63	42	34	52	33	35	42	12	22	5	15	18	14	12	18	24	26	23	33	36	44	32	
	4	33	62	52	35	64	53	69	79	61	60	88	74	52	47	144	305	383	306	200	215	216	68	77	131	120	
	5	188	70	26	28	54	71	66	56	66	107	68	96	106	50	96	124	63	36	40	76	143	94	92	41	77	
	6	31	25	19	39	42	44	31	5	6	2	5	2	7	5	3	7	6	5	6	9	7	7	9	8	14	
Q	7	8	10	8	7	6	10	7	9	8	15	7	6	8	6	7	15	14	8	12	11	12	12	11	10	9	
Q	8	14	19	23	15	12	17	13	9	14	14	22	20	11	9	15	24	17	18	19	14	12	12	13	20	16	
	9	18	14	14	14	32	75	80	99	168	87	30	28	21	54	52	37	48	42	100	179	75	161	173	177	74	
	10	152	225	237	118	177	122	73	81	60	95	58	109	69	80	76	53	53	98	61	88	77	56	77	92	99	
	11	52	44	84	94	124	130	127	98	55	24	27	24	27	77	93	142	166	157	242	259	124	176	197	162	113	
D	12	148	235	156	250	169	202	156	107	83	110	147	107	71	69	64	63	121	109	76	170	192	221	182	173	141	
D	13	190	108	119	166	99	102	130	113	184	214	144	101	170	204	289	113	190	250	146	170	54	34	56	121	140	
D	14	111	106	145	153	162	124	61	79	126	101	156	95	111	85	79	76	83	88	72	108	87	80	58	68	101	
	15	73	65	67	62	56	52	79	100	69	90	119	72	33	30	34	33	17	14	15	45	72	66	93	118	61	
	16	67	55	78	69	98	83	84	37	26	31	67	106	63	51	65	52	47	88	90	117	94	107	104	59	72	
	17	36	28	35	41	47	87	39	35	23	34	24	57	35	19	15	10	34	60	61	66	81	36	60	43	42	
	18	22	25	19	21	27	26	21	38	31	18	21	12	10	8	31	15	4	9	12	18	18	19	15	16	19	
Q	19	19	14	14	18	27	20	17	21	25	13	13	13	12	30	33	26	12	8	18	24	38	65	69	41	25	
	20	30	21	22	14	14	14	15	21	26	17	27	29	93	89	79	66	35	20	35	37	22	18	10	16	32	
Q	21	14	22	17	10	26	29	31	21	14	17	13	12	12	14	12	15	14	12	14	13	14	10	9	9	16	
Q	22	10	10	17	24	28	29	34	41	31	41	31	25	17	15	14	11	10	11	11	10	19	18	14	13	20	
	23	16	15	14	14	15	13	17	17	17	15	35	49	52	42	33	27	83	93	120	44	24	24	27	24	34	
	24	50	41	33	23	19	22	37	43	52	53	62	63	61	49	40	32	29	31	34	32	30	23	49	52	40	
	25	50	51	42	46	59	64	65	68	53	62	86	77	53	33	19	11	11	13	18	16	19	18	23	26	41	
D	26	27	29	30	23	21	25	59	104	172	332	242	101	189	123	247	416	349	265	215	203	195	186	106	102	157	
	27	126	81	27	14	10	22	68	166	259	186	95	105	74	119	92	51	124	177	186	240	161	78	52	57	107	
	28	73	80	130	154	122	101	115	84	56	42	97	163	169	103	111	138	206	276	265	285	142	35	27	47	126	
	29	54	107	96	153	129	95	100	107	170	94	77	161	150	177	63	29	40	78	91	55	37	40	81	96	95	
	30	94	95	90	65	35	51	22	26	44	32	84	76	181	110	102	52	42	39	25	24	22	32	29	23	58	
	31	29	33	37	35	44	32	14	25	34	81	58	47	49	55	33	26	15	13	14	19	23	23	44	24	34	
Mean		61	60	61	63	70	63	62	63	75	73	71	67	65	62	68	73	77	85	79	86	71	62	63	62	68	
5Q Mean		13	15	15	14	19	21	20	20	18	20	17	15	12	14	16	18	13	11	14	14	19	23	23	18	17	
5D Mean		98	95	90	125	128	103	116	105	134	157	140	82	98	107	146	184	181	187	163	170	145	155	138	128	132	

AL Index (Provisional Hourly mean values, unit nT)

Date	1995																								Mean
	March																								
	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
D	-137	-31	-45	-306	-532	-136	-44	-125	-375	-635	-407	-142	-63	-99	-64	-542	-558	-583	-415	-201	-334	-578	-429	-150	-289
	-153	-190	-175	-77	-379	-476	-212	-201	-434	-295	-299	-273	-414	-229	-525	-503	-269	-491	-171	-29	-50	-136	-106	-106	-258
	-72	-281	-227	-26	-21	-19	-91	-97	-72	-56	-19	-30	-45	-70	-72	-48	-27	-40	-126	-143	-77	-56	-85	-93	-79
	-28	-54	-21	-13	-27	-17	-31	-21	-9	-15	-36	-197	-141	-197	-504	-514	-624	-650	-753	-705	-693	-803	-779	-649	-312
	-333	-126	-80	-58	-120	-135	-168	-125	-81	-364	-337	-327	-240	-133	-321	-383	-255	-117	-19	-105	-107	-150	-11	-13	-172
	-16	-12	-14	-39	-200	-116	-86	-41	-24	-34	-29	-18	-24	-21	-19	-16	-22	-12	-12	-13	-14	-23	-15	-11	-35
Q	-12	-13	-15	-19	-14	-19	-37	-20	-14	-11	-10	-13	-15	-18	-18	-20	-21	-65	-44	-16	-15	-16	-15	-16	-20
Q	-12	-14	-31	-24	-18	-20	-23	-13	-18	-18	-29	-24	-19	-14	-11	-37	-28	-6	-6	-6	-4	-8	-11	-9	-17
	-6	-7	-10	-11	-11	-193	-134	-95	-300	-60	-11	-7	-17	-35	-93	-114	-99	-82	-261	-623	-168	-260	-404	-290	-137
	-627	-364	-186	-280	-183	-73	-31	-54	-32	-39	-59	-166	-221	-183	-133	-79	-39	-131	-116	-116	-72	-19	-161	-215	-149
D	-603	-583	-193	-61	-110	-104	-172	-147	-21	-15	-27	-23	-37	-146	-503	-567	-412	-276	-444	-675	-257	-324	-811	-707	-301
D	-479	-885	-470	-602	-393	-251	-80	-160	-147	-134	-274	-207	-50	-232	-359	-358	-238	-469	-383	-432	-731	-445	-407	-434	-359
D	-446	-266	-226	-272	-181	-196	-403	-380	-388	-430	-415	-507	-700	-829	-614	-281	-419	-870	-353	-171	-55	-28	-83	-149	-361
	-240	-175	-339	-161	-191	-120	-64	-90	-330	-283	-322	-111	-454	-538	-526	-304	-233	-237	-279	-294	-413	-261	-176	-172	-263
	-194	-75	-172	-124	-147	-233	-299	-271	-315	-263	-340	-312	-81	-62	-150	-56	-16	-48	-86	-97	-414	-213	-151	-403	-188
	-133	-12	-43	-197	-356	-230	-167	-35	-15	-82	-268	-330	-249	-100	-36	-152	-204	-391	-359	-272	-157	-63	-64	-37	-165
	-21	-14	-17	-30	-80	-120	-85	-193	-116	-61	-31	-56	-182	-60	-17	-22	-71	-299	-248	-133	-19	-7	-63	-114	-86
	-29	-11	-10	-11	-42	-37	-16	-29	-50	-75	-57	-22	-26	-23	-20	-23	-105	-44	-12	-7	-60	-12	-7	-31	-31
Q	-6	-5	-4	-8	-27	-41	-28	-27	-49	-15	-18	-17	-17	-42	-112	-44	-32	-28	-98	-96	-113	-98	-59	-21	-42
	-17	-18	-17	-9	-7	-7	-11	-11	-18	-49	-39	-22	-235	-380	-357	-146	-130	-76	-66	-49	-9	-27	-18	-15	-72
	-14	-10	-10	-10	-15	-55	-54	-39	-14	-17	-20	-19	-19	-18	-24	-26	-21	-12	-12	-8	-10	-9	-14	-17	-19
	-16	-15	-19	-25	-19	-45	-31	-12	-15	-111	-59	-14	-31	-23	-14	-17	-23	-18	-10	-9	-11	-23	-17	-16	-25
	-13	-11	-11	-13	-16	-14	-12	-12	-12	-20	-45	-140	-185	-88	-20	-40	-277	-286	-237	-25	-8	-15	-12	-23	-64
	-51	-73	-25	-7	-8	-5	-6	-7	-7	-8	-11	-13	-17	-17	-13	-16	-17	-11	-6	-14	-20	-11	-59	-39	-19
	-31	-69	-23	-24	-82	-119	-33	-67	-151	-75	-142	-206	-79	-16	-17	-19	-16	-15	-17	-18	-23	-21	-26	-19	-55
Q	-27	-30	-11	-6	-5	-7	-21	-268	-410	-421	-504	-481	-590	-899	-651	-527	-589	-490	-665	-363	-180	-349	-104	-86	-320
	-249	-84	-15	-20	-26	-19	-81	-311	-388	-196	-33	-137	-376	-524	-269	-136	-297	-205	-134	-289	-360	-226	-53	-175	-192
	-211	-524	-315	-113	-69	-161	-376	-98	-39	-24	-229	-370	-494	-436	-266	-318	-281	-485	-563	-429	-135	-26	-14	-64	-252
	-125	-271	-258	-424	-333	-245	-272	-169	-291	-138	-77	-461	-499	-248	-75	-34	-127	-271	-242	-109	-66	-112	-202	-268	-222
	-236	-218	-84	-154	-167	-23	-12	-32	-82	-44	-114	-105	-231	-298	-211	-43	-62	-32	-9	-23	-47	-29	-12	-14	-95
	-33	-68	-60	-15	-24	-26	-36	-93	-8	-147	-214	-75	-31	-29	-22	-56	-31	-21	-11	-13	-13	-14	-62	-54	-48
Mean	-148	-145	-100	-101	-122	-105	-100	-104	-136	-133	-144	-155	-186	-193	-194	-175	-178	-218	-198	-176	-149	-140	-142	-141	-149
5Q Mean	-12	-11	-15	-17	-18	-36	-34	-22	-22	-34	-27	-17	-20	-23	-35	-28	-25	-25	-34	-27	-30	-30	-23	-15	-24
5D Mean	-838	-839	-109	-249	-244	-138	-144	-216	-268	-327	-325	-272	-288	-441	-438	-455	-443	-537	-452	-368	-311	-344	-366	-305	-325

Date		AE Index (Provisional Hourly mean values, unit nT)																			Mean					
		March											1995													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
D	1	215	91	109	399	764	197	157	231	552	746	552	222	98	166	102	731	639	741	553	352	498	741	580	236	403
	2	216	276	290	173	564	627	370	353	634	422	472	433	513	345	659	625	361	645	266	78	73	175	145	134	369
	3	115	331	299	89	64	54	144	131	108	98	31	53	52	86	90	63	39	59	151	170	102	90	121	137	112
	4	61	116	74	48	92	70	101	101	71	76	125	272	195	246	649	820	1008	957	954	920	910	871	858	782	432
	5	543	196	107	87	174	207	235	182	148	472	406	424	346	184	418	508	319	154	61	181	251	245	104	56	250
	6	48	38	34	78	243	161	117	46	31	37	34	21	33	28	23	24	29	18	19	24	22	31	24	20	49
Q	7	21	24	23	27	21	30	45	30	22	27	18	20	24	25	26	36	36	74	57	28	28	27	27	30	30
Q	8	27	34	55	40	30	38	37	23	32	32	52	46	32	24	27	62	46	25	26	22	17	21	25	31	33
	9	25	22	25	26	43	269	214	195	469	148	42	36	40	90	146	153	149	124	362	803	244	421	578	468	212
	10	780	590	424	398	361	195	106	137	93	136	118	277	291	264	210	133	94	230	177	204	149	76	239	307	249
D	11	655	628	278	157	235	234	300	246	77	40	55	48	65	224	597	710	579	434	687	935	381	500	1009	870	414
D	12	628	1122	627	854	584	454	237	269	231	245	422	316	123	302	423	422	360	579	460	603	924	667	589	608	501
D	13	637	374	346	439	281	300	535	494	573	645	559	609	871	1034	903	395	610	1121	500	241	109	63	140	272	502
	14	353	283	484	315	354	244	126	170	457	385	480	207	565	623	606	381	317	325	352	403	501	342	235	240	365
	15	267	140	240	187	203	235	379	373	385	354	459	385	115	93	185	90	34	63	102	143	487	279	245	522	251
	16	201	68	121	267	454	314	252	73	42	114	337	437	313	151	102	205	252	480	449	390	252	172	170	97	238
	17	59	42	53	72	127	208	125	229	140	97	56	113	218	80	33	34	107	359	310	200	101	44	124	158	129
	18	52	37	30	32	70	64	38	68	82	94	79	35	37	31	52	39	110	54	25	26	79	32	23	24	51
Q	19	26	20	19	26	55	61	46	48	74	29	31	30	31	73	147	72	46	37	117	121	153	164	129	63	67
	20	48	40	39	24	21	22	26	32	44	68	68	52	329	471	438	213	166	97	101	87	32	45	28	33	105
Q	21	28	34	28	21	41	84	85	61	29	34	34	32	32	33	37	43	37	26	22	22	24	20	24	28	36
Q	22	27	26	37	49	47	75	65	54	47	154	91	41	50	39	29	29	34	30	22	21	30	41	32	30	46
	23	31	27	26	27	31	28	25	30	30	37	81	191	238	132	55	68	360	380	358	70	32	40	40	49	99
	24	101	115	59	30	27	27	44	52	60	63	74	78	79	67	55	50	47	43	41	47	51	35	109	93	60
	25	82	121	66	70	142	184	100	136	205	139	229	285	133	49	37	32	28	29	36	35	43	39	50	46	96
D	26	55	59	43	29	25	32	80	374	583	754	747	583	780	1023	900	944	939	756	881	568	375	537	211	188	478
	27	376	166	43	35	37	41	150	479	648	383	130	244	451	643	362	188	422	384	321	530	522	305	106	233	300
	28	285	605	446	268	192	262	493	183	96	68	327	533	664	540	378	456	488	762	829	715	278	63	42	112	378
	29	180	380	356	577	462	341	373	277	462	234	155	622	650	427	139	64	169	350	333	164	105	152	284	365	318
	30	331	314	175	220	203	75	35	58	126	77	199	182	412	408	313	96	106	72	35	48	69	62	42	37	154
	31	63	101	98	50	69	58	51	118	43	230	274	124	82	86	56	83	48	35	26	33	36	38	108	79	83
Mean		210	207	163	164	193	169	164	169	212	207	217	224	253	257	264	250	257	304	278	264	221	204	207	204	219
5Q Mean		25	27	32	32	38	57	55	43	40	55	45	33	33	38	53	48	39	38	49	42	50	54	47	35	42
5D Mean		438	454	280	375	373	243	261	322	403	486	467	355	387	549	585	640	625	726	616	539	457	501	505	434	459

AO Index (Provisional Hourly mean values, unit nT) March 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-29	13	9	-106	-150	-38	33	-10	-98	-262	-130	-30	-13	-16	-12	-176	-238	-212	-138	-25	-85	-208	-139	-31	-87
	-45	-52	-30	8	-97	-163	-26	-25	-116	-83	-62	-56	-156	-55	-194	-190	-88	-167	-38	8	-13	-48	-33	-38	-73
	-14	-115	-77	18	10	7	-19	-31	-18	-7	-3	-3	-19	-27	-26	-16	-7	-10	-49	-57	-26	-11	-23	-24	-23
	2	3	15	10	18	17	18	28	25	22	25	-61	-43	-74	-179	-104	-120	-171	-276	-244	-237	-366	-350	-258	-95
	-82	-27	-26	-14	-32	-31	-50	-33	-6	-127	-133	-115	-66	-40	-111	-129	-95	-39	10	-14	17	-27	40	13	-46
Q	7	6	2	0	-78	-35	-27	-17	-8	-15	-11	-7	-7	-7	-7	-4	-6	-3	-2	-1	-2	-7	-2	-1	-10
Q	-1	0	-2	-5	-3	-4	-15	-5	-2	1	-1	-2	-3	-5	-4	-2	-2	-28	-15	-1	-1	-1	-1	-1	-4
Q	0	2	-4	-3	-2	-1	-4	-1	-3	-1	-3	-1	-3	-1	1	-6	-5	5	6	3	4	2	0	5	0
	5	3	1	1	9	-58	-26	1	-65	13	8	9	2	9	-20	-38	-25	-19	-79	-220	-45	-48	-114	-56	-31
	-236	-68	25	-80	-2	23	20	13	14	27	0	-27	-75	-50	-28	-12	6	-16	-26	-13	2	18	-41	-60	-24
D	-275	-268	-54	16	6	12	-22	-24	16	4	0	1	-4	-34	-204	-212	-122	-59	-100	-207	-66	-73	-306	-272	-93
D	-164	-324	-156	-175	-111	-24	37	-26	-31	-11	-62	-49	10	-80	-146	-147	-58	-179	-152	-130	-268	-111	-112	-130	-108
D	-127	-78	-52	-52	-40	-47	-135	-132	-101	-107	-135	-202	-264	-812	-161	-83	-113	-309	-103	-49	0	2	-13	-14	-109
	-64	-34	-96	-4	-14	1	-1	-5	-101	-90	-82	-8	-171	-225	-223	-113	-74	-73	-102	-92	-162	-89	-58	-51	-80
	-59	-5	-52	-30	-45	-90	-109	-84	-122	-86	-109	-119	-23	-15	-57	-10	0	-16	-34	-25	-170	-73	-28	-142	-63
	-32	21	16	-63	-129	-72	-41	1	4	-24	-99	-111	-92	-24	14	-49	-77	-150	-134	-77	-30	21	20	10	-45
	7	6	8	5	-16	-16	-23	-78	-46	-12	-2	0	-72	-20	-1	-5	-18	-118	-93	-33	30	14	-1	-34	-21
	-3	7	4	4	-6	-5	2	3	-9	-27	-17	-4	-7	-6	5	-3	-50	-17	0	4	-20	3	3	4	-5
Q	5	3	4	4	0	-10	-5	-3	-11	-1	-2	-1	-2	-5	-39	-8	-9	-9	-38	-35	-36	-16	4	9	-8
	6	1	2	2	3	3	1	4	3	-15	-5	3	-70	-144	-138	-39	-46	-27	-15	-6	6	-4	-2	0	-19
Q	0	6	3	0	5	-12	-11	-9	0	0	-3	-3	-2	-1	-5	-4	-3	0	1	1	1	0	-1	-3	-1
Q	-2	-2	-1	0	4	-8	1	13	7	-34	-13	5	-6	-4	0	-2	-5	-2	0	0	3	-1	-1	0	-2
	1	1	0	0	0	0	0	2	2	-1	-4	-44	-65	-22	6	-6	-95	-95	-57	9	7	3	6	0	-14
	0	-15	4	7	5	8	15	17	22	22	25	24	21	15	13	7	5	9	13	8	4	5	-5	6	10
	9	-8	8	10	-11	-27	15	0	-48	-6	-28	-64	-12	8	1	-3	-2	-1	0	-1	-1	-1	-1	2	-6
D	0	0	8	8	7	8	18	-80	-118	-43	-130	-189	-200	-387	-201	-55	-119	-112	-224	-79	7	-80	0	8	-81
	-61	-1	5	-2	-7	1	-6	-71	-63	-4	30	-15	-149	-202	-88	-42	-86	-14	25	-24	-99	-73	0	-58	-42
	-68	-221	-92	20	25	-29	-129	-7	8	8	-65	-102	-161	-166	-76	-89	-36	-103	-148	-71	3	4	6	-8	-62
	-35	-81	-80	-135	-101	-74	-85	-30	-60	-21	0	-149	-174	-34	-5	-2	-43	-95	-74	-25	-13	-35	-60	-85	-62
	-70	-61	2	-43	-65	13	5	-3	-18	-5	-14	-14	-24	-93	-54	4	-9	3	7	0	-12	0	8	3	-18
31	-2	-17	-11	9	9	2	-10	-34	12	-33	-77	-13	8	13	5	-14	-7	-3	1	2	4	4	-8	-14	-7
Mean	-42	-42	-19	-19	-26	-20	-18	-20	-30	-29	-35	-43	-59	-64	-62	-50	-49	-65	-59	-44	-38	-38	-39	-39	-40
5Q Mean	0	1	0	0	0	-7	-6	-1	-1	-7	-4	0	-3	-3	-9	-4	-4	-6	-9	-6	-5	-3	0	2	-3
5D Mean	-119	-131	-49	-61	-57	-17	-13	-54	-66	-83	-91	-93	-94	-165	-144	-134	-130	-174	-143	-98	-82	-94	-114	-87	-95

AU Index (Provisional Hourly mean values, unit nT) April 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
1	13	11	9	6	6	11	7	4	4	5	10	6	7	22	28	35	31	59	202	356	229	231	390	356	85
2	257	192	138	168	264	216	84	47	26	37	151	109	121	220	187	48	49	27	27	15	15	13	19	15	102
Q	11	11	8	7	6	5	4	6	6	6	7	8	8	7	9	6	5	10	13	11	12	9	9	9	8
Q	20	8	9	9	13	9	27	50	42	50	16	7	8	8	8	9	12	10	9	9	9	8	15	55	17
5	89	97	90	119	82	65	17	13	20	44	48	34	53	28	25	27	23	17	21	65	83	97	42	66	53
6	89	77	69	73	81	42	32	16	18	18	8	11	16	21	16	15	18	26	44	56	81	87	136	109	48
7	129	184	138	202	294	299	343	288	275	205	283	261	201	259	90	40	-38	237	80	76	118	89	68	55	174
D	44	47	69	90	80	113	186	105	189	88	57	61	93	66	76	216	167	153	107	89	115	92	66	93	103
D	97	73	149	139	59	64	71	81	129	47	29	49	72	87	133	239	141	106	75	56	41	46	57	72	88
D	50	51	45	48	131	218	146	191	198	165	123	156	92	165	91	116	98	126	122	94	119	102	109	85	118
11	46	46	109	124	114	113	83	86	117	150	111	130	47	57	44	38	79	97	182	232	131	166	139	134	107
12	105	123	119	118	154	147	100	91	68	52	33	63	72	72	44	91	112	108	95	78	79	99	80	61	90
13	43	56	79	98	169	119	171	56	18	7	16	13	11	7	3	13	27	31	31	50	43	66	86	111	51
14	97	65	40	36	47	48	25	18	20	10	17	20	25	17	8	5	9	21	34	41	49	70	32	26	32
Q	11	28	46	45	51	38	18	11	15	10	12	19	34	28	25	14	16	29	40	30	23	17	17	18	25
16	23	22	38	29	20	20	40	56	41	30	27	20	21	20	17	15	10	11	19	30	53	40	29	64	29
17	98	123	55	42	34	31	54	31	24	26	33	30	24	29	18	15	13	20	21	22	21	22	24	20	34
18	23	26	28	22	20	17	20	33	40	36	20	29	36	35	29	21	19	21	42	90	110	67	39	57	37
19	54	79	77	78	63	110	110	90	66	47	31	24	32	43	41	20	22	31	35	43	38	46	65	35	53
20	21	23	47	73	118	75	117	52	19	30	43	45	40	37	35	66	78	35	36	55	54	26	10	16	48
Q	9	7	16	19	19	25	24	24	33	30	32	39	72	11	11	11	10	12	18	23	19	14	11	13	21
22	25	27	43	43	24	20	19	27	26	25	25	36	55	69	77	146	236	169	223	242	186	244	236	224	102
23	130	218	125	65	144	172	132	112	186	178	179	173	138	82	39	156	182	213	237	278	252	149	204	270	167
24	212	179	167	252	240	220	206	152	141	108	111	39	28	48	36	65	46	144	200	190	149	169	171	176	144
25	117	169	130	209	113	135	114	163	89	45	45	109	30	73	27	27	56	80	112	148	108	75	64	107	98
26	147	109	80	72	67	54	82	96	70	38	52	69	56	44	65	106	113	108	93	71	55	81	199	184	88
27	146	148	122	69	40	95	121	229	109	171	74	55	32	56	31	82	60	55	108	136	65	53	44	47	89
28	52	84	54	80	49	49	62	76	91	200	53	56	68	100	38	26	30	51	57	37	51	42	30	48	62
29	83	40	38	46	43	37	56	49	37	40	24	13	24	43	47	62	60	33	43	86	96	81	69	31	49
30	21	16	17	13	27	24	17	26	24	19	15	11	10	10	9	11	18	23	27	34	25	30	43	31	21
Mean	75	77	71	79	85	86	79	75	71	63	56	56	50	58	43	58	56	68	78	91	80	77	83	86	71
5Q Mean	14	15	23	21	21	19	22	29	27	25	18	18	28	14	14	11	10	14	19	20	23	17	16	31	20
5D Mean	93	100	104	109	120	157	173	178	180	135	113	116	98	126	84	138	85	135	98	90	91	76	68	70	114

AL Index (Provisional Hourly mean values, unit nT) April 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
1	-10	-12	-18	-19	-20	-12	-12	-19	-18	-29	-30	-24	-24	-40	-61	-47	-133	-222	-428	-667	-546	-496	-566	-386	-160
2	-205	-194	-307	-809	-562	-167	-35	-38	-33	-30	-278	-575	-514	-623	-522	-90	-51	-42	-35	-14	-7	-5	-9	-18	-215
3	-12	-13	-16	-19	-16	-11	-4	-6	-14	-20	-20	-18	-16	-15	-14	-17	-15	-12	-5	-2	-6	-13	-17	-20	-13
Q	-23	-23	-22	-22	-13	-9	-63	-103	-57	-46	-26	-20	-20	-16	-14	-17	-14	-18	-7	-2	-14	-15	-20	-53	-26
4	-182	-148	-51	-62	-96	-91	-28	-21	-28	-179	-354	-73	-66	-89	-54	-11	-11	-11	-8	-44	-88	-78	-50	-99	-80
6	-198	-73	-80	-114	-112	-34	-15	-1	-3	-10	-18	-26	-8	-5	-6	-10	-8	-9	-18	-41	-55	-47	-128	-175	-50
D	-164	-198	-244	-427	-586	-473	-371	-312	-437	-651	-461	-219	-300	-473	-560	-442	-1144	-569	-569	-759	-687	-475	-214	-459	-466
D	-269	-141	-199	-426	-460	-388	-367	-366	-340	-544	-438	-181	-545	-360	-279	-832	-536	-291	-201	-136	-289	-177	-52	-201	-334
D	-456	-672	-478	-278	-161	-38	-99	-289	-465	-300	-103	-111	-359	-356	-448	-474	-438	-419	-121	-67	-17	-43	-247	-222	-277
D	-201	-182	-79	-89	-323	-514	-500	-529	-414	-475	-302	-278	-435	-371	-229	-291	-162	-218	-206	-110	-145	-131	-169	-152	-271
11	-40	-33	-117	-299	-251	-324	-415	-476	-377	-483	-449	-285	-148	-42	-63	-200	-233	-170	-259	-606	-214	-181	-191	-285	-256
12	-559	-514	-398	-434	-253	-225	-241	-241	-149	-158	-82	-129	-399	-287	-222	-239	-338	-327	-195	-90	-102	-138	-124	-78	-248
13	-29	-36	-212	-167	-228	-160	-84	-4	-11	-46	-18	-33	-26	-20	-43	-39	-109	-161	-111	-56	-38	-36	-66	-242	-82
14	-164	-56	-25	-34	-113	-34	-7	-6	-15	-19	-18	-88	-132	-99	-85	-94	-61	-24	-26	-48	-38	-37	-24	-29	-53
Q	-24	-26	-59	-44	-40	-8	-10	-13	-19	-26	-28	-38	-112	-74	-45	-22	-29	-87	-70	-19	-16	-18	-20	-20	-36
16	-18	-20	-47	-25	-13	-2	-14	-148	-57	-53	-37	-31	-26	-17	-13	-15	-16	-12	-9	-11	-23	-15	-13	-17	-27
17	-121	-214	-35	-9	-7	-61	-28	-14	-19	-27	-104	-15	-12	-6	-8	-16	-18	-17	-17	-3	-2	-7	-11	-18	-33
18	-20	-20	-18	-15	-5	-1	0	-17	-82	-112	-32	-14	-16	-19	-16	-19	-20	-32	-56	-91	-81	-29	-11	-16	-31
19	-48	-94	-164	-155	-42	-97	-277	-94	-79	-76	-68	-38	-56	-62	-63	-61	-60	-27	-27	-5	-3	-15	-37	-20	-70
20	-23	-23	-18	-175	-281	-158	-161	-44	-14	-17	-46	-102	-128	-143	-95	-194	-119	-43	-1	-10	-12	-21	-16	-23	-78
21	-25	-28	-21	-15	-9	-11	-11	-18	-37	-27	-28	-29	-27	-21	-10	-8	-6	-9	-10	-15	-12	-18	-24	-25	-19
22	-22	-22	-24	-16	-1	3	0	-4	-9	-10	-10	-24	-125	-362	-294	-279	-273	-150	-288	-362	-196	-310	-212	-192	-133
23	-221	-323	-94	-11	-82	-221	-130	-95	-298	-446	-221	-433	-161	-104	-46	-261	-553	-512	-494	-475	-384	-220	-179	-487	-269
24	-340	-292	-428	-431	-314	-158	-292	-444	-107	-49	-185	-43	-13	-81	-190	-243	-111	-259	-391	-383	-177	-150	-126	-252	-227
25	-671	-530	-403	-494	-339	-128	-155	-151	-69	-54	-77	-137	-132	-116	-91	-74	-145	-260	-149	-227	-116	-26	-35	-84	-194
26	-134	-125	-141	-287	-159	-116	-97	-118	-303	-111	-6	-57	-23	-49	-145	-175	-103	-56	-57	-13	5	-4	-63	-402	-114
27	-201	-116	-240	-65	-33	-96	-276	-761	-132	-223	-293	-531	-248	-267	-184	-268	-142	-39	-139	-207	-82	-39	-30	-32	-193
28	-78	-243	-142	-139	-303	-142	-159	-201	-266	-492	-128	-82	-82	-374	-136	-57	-116	-207	-17	-34	-14	-8	-13	-32	-147
29	-212	-90	-21	-28	-101	-46	-71	-85	-210	-155	-92	-42	-43	-228	-233	-143	-169	-107	-48	-79	-98	-70	-123	-26	-105
30	-29	-27	-23	-18	-17	-12	-5	-41	-18	-19	-18	-17	-14	-9	-22	-18	-14	-7	-8	-27	-17	-21	-72	-25	-21
Mean	-156	-149	-137	-170	-164	-124	-130	-155	-136	-162	-132	-123	-140	-156	-139	-155	-172	-143	-134	-154	-115	-95	-95	-136	-140
5Q Mean	-20	-22	-33	-24	-18	-8	-20	-57	-36	-34	-27	-27	-40	-28	-19	-15	-16	-27	-20	-9	-14	-15	-18	-27	-24
5D Mean	-258	-261	-248	-257	-312	-301	-322	-451	-357	-438	-319	-264	-377	-361	-340	-461	-484	-307	-247	-255	-244	-173	-142	-213	-308

Date		AE Index (Provisional Hourly mean values, unit nT)																	Mean							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18	19	20	21	22	23
	1	23	24	28	26	27	25	20	25	24	35	40	30	31	63	91	83	165	282	632	1024	776	728	957	743	246
	2	464	387	445	978	826	384	120	86	60	67	429	685	635	844	710	139	101	71	63	30	23	19	29	34	318
Q	3	24	25	25	26	23	16	9	13	21	27	29	27	25	23	24	24	22	23	18	14	18	23	27	30	22
Q	4	44	32	31	30	27	19	90	153	100	97	43	28	28	25	24	27	27	29	17	11	24	24	37	109	45
	5	273	246	142	183	178	156	47	35	49	223	402	108	120	118	81	39	35	30	30	110	172	176	93	167	134
	6	288	151	151	189	195	78	48	17	22	28	28	39	25	27	23	26	26	35	62	99	138	135	265	285	99
D	7	295	383	384	630	880	773	714	601	713	856	745	481	501	732	650	483	1105	806	649	835	806	565	283	515	641
D	8	314	189	269	516	541	502	554	472	595	632	496	243	638	427	356	1049	705	445	309	226	406	270	119	295	438
D	9	554	746	628	418	220	102	171	371	595	348	133	161	431	424	582	715	581	526	196	124	58	90	305	295	366
D	10	251	234	125	138	455	733	648	721	614	640	426	435	527	537	321	408	261	346	330	205	264	234	279	238	330
	11	86	81	227	423	365	438	499	564	495	634	560	415	196	100	108	238	313	268	442	839	346	347	331	420	364
	12	665	638	517	553	408	372	342	333	218	211	116	192	472	360	267	331	472	436	291	169	182	258	205	140	339
	13	73	93	292	266	398	280	156	61	30	54	34	47	38	28	47	53	138	194	144	107	81	104	153	354	134
	14	261	122	66	72	161	84	34	25	35	30	36	109	159	117	95	100	72	46	60	90	87	107	57	55	87
Q	15	36	56	106	90	92	47	30	24	35	37	40	58	147	103	72	37	46	117	111	50	40	36	38	40	62
	16	43	43	87	55	34	24	54	205	99	84	66	52	48	38	31	31	28	24	29	42	78	56	43	82	57
Q	17	220	337	92	51	41	92	82	45	44	55	138	46	37	35	27	32	33	38	38	25	23	30	35	39	68
	18	44	47	47	39	26	19	19	51	123	149	54	45	53	55	46	39	40	54	99	183	192	97	51	74	69
	19	103	173	241	234	106	207	388	185	146	124	100	62	89	105	105	83	83	59	62	49	42	62	103	56	124
	20	45	47	67	249	399	234	278	96	35	48	89	148	169	181	130	261	198	80	36	66	67	47	26	39	126
Q	21	36	36	39	35	29	37	35	42	70	58	61	69	99	33	22	20	17	21	29	39	32	33	36	40	40
	22	48	50	69	60	27	17	19	31	36	37	36	60	181	432	372	426	510	320	512	624	383	555	450	418	236
	23	352	541	219	77	226	394	253	208	485	626	401	607	299	187	86	417	737	726	733	754	637	370	383	758	437
	24	553	473	595	683	554	378	499	596	249	158	297	83	42	130	227	309	158	404	592	574	326	320	298	429	372
	25	788	699	534	704	453	263	270	315	158	100	122	247	163	190	120	102	203	342	262	375	224	101	100	192	293
	26	282	235	221	359	226	170	179	215	374	150	59	126	80	94	210	282	217	165	152	84	49	85	263	588	203
D	27	349	265	363	135	74	192	397	990	242	395	368	588	281	324	216	350	203	94	248	343	148	93	75	80	284
	28	131	328	197	220	352	191	222	278	358	693	182	138	151	476	175	84	147	259	135	72	66	51	44	81	210
	29	295	131	60	75	145	84	128	135	247	196	117	55	68	272	280	206	230	141	91	166	195	152	193	59	155
	30	51	45	41	33	45	38	23	67	42	39	34	29	25	21	32	31	34	31	36	62	44	52	115	57	43
Mean		233	228	210	251	211	211	211	232	208	227	189	180	191	216	184	214	230	213	213	246	197	174	179	223	213
5Q Mean		36	38	57	47	41	28	43	87	65	60	47	46	69	44	34	27	28	42	40	31	38	34	36	60	45
5D Mean		352	363	353	367	434	460	496	631	538	574	433	381	475	488	425	601	571	443	346	346	336	250	212	284	423

A0 Index (Provisional Hourly mean values, unit nT)

April

1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
1	1	0	-4	-5	-6	0	-2	-6	-6	-11	-9	-8	-7	-8	-16	-6	-50	-81	-112	-155	-158	-131	-87	-14	-37
2	25	0	-83	-319	-148	24	24	4	-3	3	-63	-232	-195	-201	-166	-20	-1	-7	-4	0	3	3	4	0	-56
3	0	0	-3	-5	-4	-2	0	0	-3	-6	-5	-4	-3	-3	-1	-4	-4	0	3	4	2	-1	-3	-5	-2
4	-1	-7	-5	-5	0	0	-18	-25	-7	1	-4	-6	-5	-3	-2	-3	0	-3	0	3	-1	-2	-2	0	-4
5	-45	-24	19	28	-6	-12	-4	-3	-3	-67	-152	-18	-6	-30	-14	7	5	2	6	10	-2	9	-4	-16	-13
6	-54	1	-5	-19	-14	3	8	7	6	3	-4	-7	3	7	4	2	4	8	12	6	12	19	3	-32	0
7	-16	-7	-52	-111	-145	-86	-13	-11	-80	-222	-88	21	-48	-106	-234	-200	-591	-165	-244	-341	-283	-192	-72	-201	-145
8	-111	-46	-64	-167	-189	-136	-89	-130	-75	-227	-190	-59	-225	-146	-100	-307	-184	-68	-46	-23	-86	-42	6	-53	-115
9	-178	-298	-163	-68	-50	12	-13	-103	-167	-125	-36	-29	-142	-123	-157	-116	-147	-155	-22	-5	11	1	-94	-74	-93
10	-74	-64	-16	-20	-95	-147	-176	-168	-107	-154	-88	-60	-170	-102	-68	-87	-32	-45	-41	-7	-13	-14	-29	-32	-75
11	2	6	-3	-87	-67	-105	-165	-194	-129	-165	-168	-76	-50	7	-8	-80	-76	-36	-37	-186	-41	-7	-25	-74	-73
12	-226	-194	-138	-157	-49	-38	-69	-74	-40	-52	-23	-32	-162	-106	-88	-73	-122	-109	-49	-6	-11	-29	-21	-8	-78
13	6	9	-66	-33	-29	-20	-6	25	3	-18	-1	-9	-6	-5	-19	-12	-40	-64	-39	-3	1	14	9	-64	-15
14	-32	4	6	0	-32	6	8	4	2	-3	0	-33	-52	-40	-38	-44	-25	-1	-3	-3	5	15	3	-1	-10
15	-5	1	-6	0	5	14	3	-1	-1	-7	-7	-8	-38	-22	-9	-3	-5	-28	-14	5	3	0	-1	0	-5
16	2	1	-4	2	3	8	12	-45	-8	-10	-4	-4	-1	1	2	0	-2	0	4	9	14	12	7	22	0
17	-11	-44	9	16	12	-14	12	7	1	-10	-35	6	5	10	4	0	-1	1	1	1	9	6	6	0	0
18	1	3	4	3	7	8	10	7	-20	-37	-5	7	9	7	6	2	0	-5	-6	0	13	18	13	20	2
19	3	-7	-42	-37	9	6	-83	-2	-6	-14	-18	-6	-11	-9	-10	-20	-18	1	3	18	16	14	13	7	-8
20	0	0	14	-50	-81	-40	-22	3	1	5	-1	-27	-43	-52	-29	-63	-20	-3	17	22	20	2	-2	-2	-14
21	-7	-9	-2	1	4	6	6	2	-2	1	1	4	22	-4	0	1	1	1	3	3	3	-1	-5	-5	1
22	1	2	9	13	11	11	10	11	7	7	7	5	-34	-145	-107	-65	-18	8	-32	-69	-5	-32	11	16	-15
23	-45	-51	15	26	30	-24	0	8	-55	-133	-20	-129	-11	-10	-3	-51	-184	-148	-127	-98	-66	-35	12	-107	-50
24	-63	-55	-129	-88	-36	30	-42	-145	17	29	-37	-2	7	-15	-76	-89	-31	-57	-94	-96	-13	8	22	-37	-41
25	-276	-179	-136	-142	-112	3	-20	6	9	-4	-15	-13	-49	-20	-31	-23	-44	-89	-18	-39	-4	23	14	11	-48
26	6	-7	-30	-107	-45	-30	-7	-10	-115	-36	23	6	16	-2	-39	-34	4	25	17	28	30	37	67	-108	-13
27	-27	15	-58	-1	3	0	-77	-265	-10	-25	-109	-237	-107	-104	-76	-92	-40	7	-14	-35	-8	6	6	7	-51
28	-12	-78	-43	-29	-126	-46	-48	-61	-86	-145	-37	-12	-6	-136	-48	-14	-42	-77	-10	1	17	16	8	7	-42
29	-64	-24	8	8	-28	-4	-7	-18	-86	-57	-32	-13	-8	-91	-92	-39	-53	-36	-2	3	0	4	-26	2	-27
30	-3	-4	-2	-2	4	5	5	-7	2	0	0	-2	-1	0	-6	-3	2	7	9	2	3	3	-14	2	0
Mean	-40	-35	-32	-45	-39	-18	-25	-39	-32	-48	-37	-32	-43	-48	-47	-47	-57	-37	-27	-31	-17	-9	-6	-24	-34
5Q Mean	-2	-2	-4	-1	1	5	0	-13	-4	-4	-3	-3	-5	-6	-2	-1	-2	-6	0	4	4	1	0	2	-1
5D Mean	-81	-80	-70	-73	-95	-71	-73	-135	-87	-150	-102	-72	-138	-116	-127	-160	-198	-85	-73	-82	-75	-48	-36	-70	-96

AU Index (Provisional Hourly mean values, unit nT)

Date	1995															Mean									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	17	18	19	20	21	22	23
Q 1	13	10	11	12	12	13	23	26	27	21	20	19	18	21	22	20	19	16	17	21	21	21	27	25	19
D 2	41	23	81	155	195	222	251	85	97	187	240	287	297	363	278	306	316	213	265	208	210	200	295	204	
D 3	278	134	223	142	207	115	224	222	182	231	156	86	200	72	174	151	96	110	222	303	248	210	110	176	
D 4	91	147	232	162	166	146	225	224	113	53	102	77	85	200	140	172	110	121	176	131	164	147	126	146	
D 5	123	214	154	180	284	209	306	234	117	71	162	165	182	99	122	39	164	232	229	266	165	171	91	70	169
6	102	166	163	128	156	110	58	108	168	156	138	49	32	55	92	96	72	75	117	103	122	105	72	57	104
7	33	56	122	172	127	185	107	182	283	213	166	163	197	241	88	96	111	131	133	195	144	122	90	199	148
8	133	136	197	233	226	164	105	66	47	19	110	164	162	94	72	86	70	23	14	75	149	176	126	96	114
9	115	124	168	138	94	83	111	50	87	153	97	94	65	46	27	28	39	98	98	124	132	137	98	85	95
Q 10	87	34	70	69	31	33	29	24	40	56	60	64	59	22	39	46	61	36	29	19	35	26	25	61	44
11	86	91	127	109	51	35	80	58	65	34	35	69	58	26	21	23	16	39	42	50	46	73	102	126	61
12	167	114	51	42	44	103	91	52	75	61	58	59	110	83	29	28	23	33	39	71	119	101	48	49	69
13	41	20	37	40	61	98	99	73	63	94	70	68	30	29	18	28	33	40	35	36	39	51	64	66	51
14	69	62	68	54	145	143	114	52	44	42	23	31	44	76	59	34	42	32	36	27	29	38	31	26	55
Q 15	24	27	21	13	15	24	23	22	31	28	30	49	39	22	26	26	19	15	20	33	32	45	76	91	31
D 16	110	86	84	143	314	307	348	211	96	75	76	203	209	353	364	332	335	365	301	301	289	184	147	121	223
17	98	140	183	175	255	370	371	352	349	329	182	142	59	58	115	163	88	104	185	240	211	211	184	98	194
18	96	117	125	119	77	118	126	94	46	38	59	156	164	54	50	52	82	61	103	63	45	147	283	283	107
19	239	234	206	180	179	154	131	216	156	116	159	200	184	96	48	49	88	156	203	216	168	110	104	103	154
Q 20	161	240	196	173	153	210	130	129	148	296	261	230	52	35	46	68	127	134	236	235	230	218	207	167	170
D 21	89	99	146	104	102	71	49	30	41	20	12	19	14	15	12	19	17	21	22	18	21	21	39	56	44
22	98	100	109	107	191	214	175	135	71	48	33	42	65	69	54	47	41	24	22	24	43	57	94	84	84
23	123	96	101	65	59	64	37	58	57	56	68	80	101	94	69	32	68	52	91	291	337	244	241	87	107
24	117	109	105	207	313	258	179	183	211	150	292	110	146	41	52	67	146	133	102	93	63	60	86	134	140
Q 25	128	96	121	191	172	114	81	46	27	25	16	27	67	68	62	96	58	63	91	95	71	51	33	57	77
26	100	62	57	56	47	27	29	63	60	37	112	168	131	119	70	72	79	62	52	33	113	136	123	86	79
Q 27	42	24	37	52	61	39	89	59	40	47	42	59	44	44	64	47	48	52	106	75	39	32	28	25	50
28	37	62	67	38	85	157	132	38	43	44	25	29	35	50	79	121	81	63	57	54	55	80	103	71	67
29	57	84	67	58	43	39	53	35	62	49	45	56	88	100	70	65	39	35	59	60	96	58	61	54	60
D 30	42	70	101	225	201	173	290	221	139	236	244	148	160	323	247	307	262	196	164	274	146	148	177	170	194
31	164	175	175	140	137	161	130	121	211	228	294	181	162	162	141	292	168	193	234	199	169	94	153	207	179
Mean	100	101	116	118	135	134	135	111	102	100	107	106	102	103	88	96	95	95	107	125	122	115	111	107	110
5Q Mean	51	38	57	50	44	36	42	31	35	35	33	42	35	24	32	32	33	28	38	32	29	29	39	51	37
5D Mean	118	105	128	169	240	205	283	194	122	142	165	179	184	254	233	226	243	241	203	265	222	192	165	153	193

AL Index (Provisional Hourly mean values, unit nT)

May

1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q 1	-11	-10	-7	-3	0	-1	-2	-6	-14	-22	-25	-22	-15	-11	-12	-15	-19	-13	-12	-18	-20	-10	-10	-5	-12
D 2	-16	-12	-69	-299	-348	-275	-302	-79	-31	-64	-201	-387	-509	-650	-692	-439	-475	-767	-176	-512	-369	-384	-444	-338	-326
D 3	-302	-314	-500	-405	-604	-496	-602	-516	-247	-536	-603	-428	-299	-497	-235	-280	-390	-220	-207	-440	-487	-374	-322	-150	-394
D 4	-108	-514	-734	-686	-474	-565	-363	-303	-174	-42	-74	-94	-122	-340	-260	-326	-176	-358	-268	-203	-243	-813	-467	-198	-309
D 5	-114	-410	-584	-469	-464	-540	-546	-342	-199	-32	-487	-994	-680	-193	-285	-67	-202	-434	-413	-465	-411	-339	-176	-157	-376
6	-288	-700	-428	-166	-169	-140	-207	-131	-377	-525	-403	-89	-23	-119	-339	-240	-162	-130	-188	-177	-114	-241	-166	-37	-232
7	-20	-35	-150	-393	-377	-439	-280	-273	-577	-497	-184	-174	-570	-493	-254	-188	-98	-132	-166	-238	-149	-81	-170	-667	-275
8	-652	-911	-997	-579	-577	-229	-99	-82	-29	-24	-74	-125	-463	-271	-170	-100	-107	-29	-19	-126	-233	-229	-138	-88	-265
9	-201	-306	-343	-261	-64	-58	-84	-128	-133	-336	-176	-91	-115	-74	-56	-29	-51	-63	-288	-174	-144	-199	-128	-89	-150
Q 10	-69	-18	-52	-119	-81	-16	-16	-28	-25	-46	-189	-183	-80	-20	-35	-97	-131	-70	-9	-10	-21	-23	-23	-37	-58
11	-68	-96	-166	-102	-17	-17	-38	-154	-48	-27	-23	-107	-142	-33	-25	-32	-18	-39	-71	-78	-54	-74	-66	-100	-67
12	-151	-148	-30	-10	-9	-93	-120	-52	-80	-98	-56	-72	-135	-132	-31	-18	-35	-10	-27	-119	-150	-95	-20	-18	-71
13	-18	-16	-13	-10	-32	-132	-115	-10	-54	-47	-28	-21	-47	-12	-9	-17	-8	-16	-17	-12	-11	-11	-18	-34	-29
14	-18	-13	-15	-64	-296	-296	-171	-29	-13	-25	-20	-25	-27	-29	-48	-14	-35	-28	-21	-17	-27	-26	-23	-21	-54
Q 15	-20	-17	-16	-12	-13	-23	-24	-20	-21	-39	-44	-99	-80	-55	-51	-43	-29	-8	-17	-21	-17	-21	-52	-136	-37
D 16	-219	-126	-50	-183	-510	-412	-379	-91	-6	-35	-40	-111	-516	-902	-618	-367	-378	-396	-279	-330	-330	-565	-712	-459	-369
17	-278	-271	-454	-536	-495	-524	-573	-588	-435	-359	-170	-125	-90	-77	-337	-301	-119	-111	-215	-429	-250	-274	-267	-95	-307
18	-72	-171	-164	-62	-36	-85	-74	-77	-32	-41	-65	-274	-298	-73	-78	-62	-132	-129	-169	-75	-27	-154	-216	-490	-127
19	-353	-312	-259	-205	-194	-230	-237	-338	-220	-197	-179	-185	-196	-113	-21	-19	-116	-180	-508	-299	-148	-52	-64	-91	-196
20	-179	-400	-413	-237	-92	-257	-169	-61	-186	-374	-261	-201	-37	-13	-21	-66	-218	-329	-383	-307	-247	-303	-244	-164	-215
Q 21	-64	-44	-203	-136	-127	-45	-19	-12	-13	-18	-23	-21	-21	-29	-24	-20	-26	-16	-26	-33	-34	-25	-27	-23	-43
22	-69	-39	-61	-78	-107	-214	-151	-55	-21	-12	-11	-13	-23	-20	-46	-46	-50	-14	-8	-11	-21	-28	-115	-152	-57
23	-145	-23	-40	-10	-3	-12	-10	-15	-13	-12	-15	-30	-76	-96	-110	-133	-36	-4	-61	-422	-811	-627	-361	-43	-130
24	-78	-87	-222	-232	-604	-560	-216	-224	-219	-147	-778	-299	-204	-223	-129	-125	-178	-376	-158	-79	-42	-39	-120	-221	-232
25	-242	-159	-219	-520	-519	-333	-139	-46	-19	-11	-24	-68	-98	-87	-198	-186	-70	-129	-180	-272	-14	-15	-25	-43	-151
Q 26	-157	-82	-47	-104	-33	-11	-13	-29	-96	-36	-299	-445	-446	-253	-119	-185	-176	-53	-87	-21	-123	-423	-237	-48	-147
27	-28	-28	-23	-24	-153	-72	-68	-120	-77	-74	-100	-94	-75	-41	-58	-106	-70	-78	-254	-182	-30	-14	-18	-22	-75
28	-29	-39	-65	-38	-47	-249	-234	-32	-9	-20	-86	-82	-116	-87	-141	-266	-173	-148	-61	-35	-25	-47	-92	-26	-89
29	-29	-46	-50	-66	-43	-118	-49	-18	-10	-19	-15	-53	-25	-19	-47	-111	-45	-5	-71	-93	-238	-68	-36	-39	-55
30	-37	-47	-48	-456	-278	-213	-520	-345	-93	-245	-489	-650	-313	-651	-658	-499	-313	-295	-140	-450	-196	-132	-283	-227	-316
D 31	-343	-272	-407	-103	-149	-318	-413	-409	-415	-162	-282	-169	-116	-321	-511	-583	-355	-364	-343	-293	-327	-41	-211	-335	-302
Mean	-141	-182	-220	-211	-223	-224	-201	-148	-125	-132	-174	-184	-192	-191	-181	-160	-141	-159	-156	-191	-178	-174	-161	-143	-175
5Q Mean	-38	-23	-60	-58	-74	-31	-25	-35	-30	-39	-76	-83	-54	-31	-36	-56	-55	-37	-63	-52	-24	-18	-26	-44	-44
5D Mean	-137	-181	-250	-362	-440	-387	-469	-274	-115	-182	-364	-514	-463	-578	-497	-330	-351	-422	-243	-439	-405	-392	-336	-248	-349

AE Index (Provisional Hourly mean values, unit nT)		1995												Mean													
		Date	0	1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20	21	22	23
Q	1	26	21	19	15	12	26	30	41	50	47	44	35	30	35	38	40	32	28	28	36	36	41	32	37	31	32
D	2	58	36	152	455	545	498	166	112	162	389	627	796	947	1055	718	781	1083	389	389	778	778	577	595	644	634	531
D	3	581	449	724	549	812	613	827	739	430	768	759	567	386	697	307	454	316	318	318	663	663	791	623	533	261	571
D	4	200	663	968	850	642	712	590	528	288	96	177	172	208	541	401	499	287	445	445	335	335	408	511	615	324	456
D	5	238	625	740	651	749	751	853	577	318	103	650	1159	863	293	408	107	366	667	643	732	732	578	531	269	228	546
	6	392	868	593	296	326	252	265	241	546	682	542	138	56	175	431	336	235	205	306	280	280	237	348	239	96	337
	7	55	92	273	567	505	625	389	457	861	711	350	338	767	342	284	209	264	300	300	434	294	203	261	867	424	380
	8	786	1048	1196	813	804	395	204	149	76	44	185	289	626	366	243	187	178	53	33	201	382	406	265	186	186	380
	9	317	432	513	400	159	142	197	178	222	489	274	180	210	140	104	58	80	103	387	298	276	337	228	175	246	246
Q	10	158	53	124	190	113	51	46	47	66	103	249	248	140	43	75	144	193	107	39	30	57	50	49	99	103	103
	11	156	188	294	213	70	54	118	213	114	62	59	176	200	59	47	56	35	79	113	128	128	100	148	169	228	128
	12	320	263	82	53	55	198	212	105	155	159	115	132	245	216	60	47	59	44	67	190	269	197	69	68	141	141
	13	60	38	51	51	95	231	215	84	117	142	100	90	78	43	29	47	41	56	53	48	50	63	84	101	82	82
	14	88	76	84	119	442	441	287	81	58	68	44	58	72	106	108	49	77	60	57	45	56	65	56	49	110	110
Q	15	45	46	39	27	30	47	47	43	53	67	75	150	119	78	78	70	48	24	37	54	49	67	129	228	69	69
	16	331	213	136	327	825	721	728	304	103	111	117	315	726	1256	983	700	713	762	580	632	855	897	607	490	559	559
	17	377	412	638	713	752	896	946	941	785	689	353	267	149	136	452	464	207	216	401	670	461	486	452	194	502	502
	18	169	289	291	183	114	204	201	172	79	80	125	430	462	127	128	115	215	190	273	139	73	303	501	774	235	235
	19	593	548	467	387	374	385	370	555	378	314	338	385	381	210	70	70	205	337	711	515	316	163	169	196	352	352
	20	341	642	610	411	247	468	301	191	335	671	522	431	90	50	68	135	345	463	620	543	478	522	452	331	386	386
	21	155	145	351	242	230	118	69	42	55	39	36	41	37	45	37	40	45	38	49	51	56	46	67	81	88	88
Q	22	168	140	171	186	299	429	328	191	93	61	45	61	89	89	101	94	92	38	31	35	64	85	210	296	142	142
	23	289	120	142	77	63	77	48	175	71	70	85	111	178	190	179	165	105	56	152	714	1148	871	602	132	238	238
	24	197	197	328	440	918	819	396	407	432	298	1072	410	351	265	181	193	325	510	260	173	106	101	207	357	373	373
	25	372	256	342	712	693	449	222	93	47	37	41	96	166	156	261	283	128	192	271	368	85	68	59	102	229	229
	26	258	145	105	161	82	39	43	94	156	73	411	614	577	373	190	258	256	116	139	54	236	560	362	134	227	227
Q	27	72	54	61	78	215	112	158	179	118	122	142	153	120	86	122	153	118	131	360	258	70	47	47	49	126	126
	28	67	102	133	77	132	407	366	71	54	66	111	111	151	137	221	387	255	212	119	90	81	128	196	99	157	157
	29	88	132	119	125	87	158	102	54	74	69	61	110	114	120	119	177	85	41	131	153	334	127	98	95	115	115
	30	80	119	151	682	480	388	811	567	233	482	733	799	473	975	906	806	576	491	305	724	344	280	461	399	511	511
D	31	508	449	583	244	287	481	544	531	628	391	577	351	278	484	652	875	524	557	578	492	498	136	366	544	482	482
Mean		242	285	338	382	359	360	337	261	228	234	283	292	294	295	270	258	237	255	264	318	302	290	274	253	286	286
5Q Mean		91	63	118	110	120	68	69	68	66	76	109	127	90	56	69	89	88	66	102	85	54	48	65	97	83	83
5D Mean		257	288	380	532	682	594	754	470	239	325	529	693	648	833	731	557	595	663	447	705	629	585	502	402	543	543

AO Index (Provisional Hourly mean values, unit nT)

May

1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q 1	1	0	1	3	5	5	9	7	5	2	-1	0	1	3	3	3	0	2	2	0	0	4	7	9	3
D 2	12	5	6	-71	-76	-26	-25	2	23	16	-6	-72	-110	-175	-163	-79	-84	-225	17	-123	-80	-86	-122	-21	-61
D 3	-12	-89	-137	-131	-197	-190	-188	-146	-32	-151	-223	-144	-106	-148	-80	-52	-119	-61	-48	-108	-91	-62	-55	-19	-108
D 4	-8	-182	-230	-262	-153	-209	-68	-39	-30	5	14	-8	-17	-69	-59	-77	-32	-118	-45	-35	-38	-57	-159	-35	-80
D 5	4	-97	-214	-144	-89	-165	-119	-53	-40	19	-161	-414	-248	-46	-81	-13	-18	-101	-91	-99	-122	-93	-42	-43	-103
6	-92	-266	-132	-18	-5	-14	-73	-11	-103	-183	-131	-19	4	-31	-122	-71	-44	-27	-35	-36	3	-67	-46	9	-63
7	5	10	-13	-110	-124	-126	-85	-45	-146	-141	-8	-5	-185	-125	-82	-45	5	0	-16	-21	-2	20	-39	-233	-63
8	-258	-386	-399	-172	-175	-32	2	-7	8	-2	17	19	-150	-87	-48	-6	-18	-2	-1	-24	-41	-25	-6	4	-74
9	-42	-90	-86	-60	14	12	13	-38	-23	-91	-39	0	-10	-4	-4	-1	-10	-11	-94	-24	-5	-30	-14	-1	-26
Q 10	8	7	9	-24	-24	8	6	1	6	4	-63	-58	-9	1	1	-25	-34	-16	9	4	6	1	1	11	-6
11	9	-2	-19	3	16	8	20	-47	8	3	5	-18	-41	-3	-1	-4	0	0	-13	-13	-3	0	17	12	-2
12	7	-16	10	15	17	4	-14	0	-2	-17	1	-6	-11	-23	0	4	-6	11	5	-23	-14	2	13	14	-1
13	11	1	11	14	13	-16	-7	31	4	23	20	23	-8	7	3	5	11	12	8	11	13	19	22	15	10
14	24	24	25	-5	-75	-76	-28	11	14	7	0	2	8	23	5	9	3	2	7	4	0	5	4	2	0
Q 15	1	4	2	0	0	0	0	0	4	-5	-6	-24	-19	-15	-11	-8	-4	2	1	5	6	11	11	-21	-2
D 16	-54	-19	17	-20	-97	-51	-15	59	45	19	17	45	-153	-273	-127	-17	-21	-15	11	-14	-137	-263	-155	-123	-55
17	-89	-65	-135	-180	-120	-76	-100	-117	-43	-14	6	8	-14	-9	-110	-68	-15	-3	-14	-93	-19	-30	-41	1	-56
18	11	-26	-18	28	20	16	25	8	7	0	-2	-58	-66	-8	-13	-4	-24	-33	-33	-6	8	-3	33	-102	-10
19	-56	-38	-25	-12	7	-37	-52	-60	-31	-39	-9	7	-5	7	13	14	-13	-11	-152	-40	9	28	19	5	-21
20	-8	-79	-108	-31	30	-23	-19	33	-18	-38	0	14	7	10	12	0	-44	-97	-72	-35	-8	-42	-18	1	-22
Q 21	12	27	-28	-15	-12	12	14	8	12	0	-4	-1	-2	-6	-5	0	-4	2	-1	-6	-6	-1	5	16	0
22	13	29	23	14	41	0	12	39	24	17	10	16	20	24	4	0	-4	4	6	5	10	14	-10	-4	13
23	-10	35	30	27	27	25	12	20	21	21	25	24	12	0	-19	-49	15	24	14	-65	-236	-190	-60	21	-11
24	19	10	-57	-12	-145	-150	-18	-20	-4	2	-242	-93	-28	-90	-38	-28	-16	-120	-27	6	10	10	-16	-43	-45
25	-56	-31	-48	-163	-173	-108	-28	0	4	6	-3	-19	-14	-9	-67	-45	-5	-32	-44	-88	27	17	3	6	-36
Q 26	-28	-9	5	-23	6	7	7	16	-17	0	-92	-137	-156	-66	-24	-55	-48	4	-17	5	-5	-142	-56	18	-33
27	6	-1	7	13	-45	-15	10	-29	-18	-13	-28	-16	-14	1	3	-29	-10	-13	-73	-52	4	8	4	1	-12
28	3	11	1	0	18	-45	-50	3	16	11	-29	-25	-39	-17	-30	-71	-45	-41	-2	9	14	16	5	22	-11
29	13	19	8	-3	0	-39	2	7	25	14	14	14	11	40	11	-21	-2	14	-5	-16	-70	-5	12	7	2
D 30	1	11	25	-114	-38	-19	-114	-61	22	-4	-121	-250	-75	-163	-205	-95	-25	-49	11	-87	-24	7	-52	-28	-60
31	-89	-47	-115	18	-5	-78	-141	-143	-101	32	5	6	22	-79	-184	-145	-93	-65	-54	-46	-78	25	-28	-63	-61
Mean	-20	-40	-51	-46	-43	-45	-32	-18	-11	-16	-33	-38	-44	-43	-45	-31	-22	-31	-24	-32	-28	-29	-24	-18	-32
5Q Mean	5	7	-1	-4	-15	2	7	-2	1	-2	-20	-19	-8	-3	-1	-11	-10	-4	-12	-9	2	4	5	3	-3
5D Mean	-9	-37	-60	-96	-99	-90	-92	-39	3	-20	-98	-167	-138	-161	-131	-51	-53	-90	-20	-86	-90	-99	-85	-46	-77

AU Index (Provisional Hourly mean values, unit nF)

Date	1995												Mean												
	0	1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19	20	21	22	23
D 1	162	229	172	140	179	116	102	28	75	78	64	48	212	250	243	312	236	127	125	201	146	153	143	149	154
2	152	91	94	156	170	160	96	98	115	78	216	225	112	89	111	168	103	90	93	107	106	108	103	169	125
D 3	221	156	164	195	157	151	180	116	86	102	111	134	118	68	61	104	120	151	182	97	118	161	157	136	135
4	99	103	50	64	41	28	68	62	49	22	18	15	37	48	54	28	37	37	42	40	36	52	32	69	47
5	114	93	86	88	84	68	85	92	57	47	25	23	13	13	13	14	44	22	23	28	35	92	121	148	60
6	197	120	82	111	81	112	51	37	19	24	17	23	34	85	66	27	15	22	44	96	87	68	44	74	64
7	105	139	105	70	64	66	114	100	47	69	62	38	38	43	17	9	25	40	66	109	115	55	81	85	69
8	77	77	70	70	79	64	40	46	45	32	25	22	14	18	22	16	23	11	20	23	23	20	18	20	36
Q 9	24	24	23	26	37	46	60	79	85	58	42	59	48	31	49	29	45	35	50	44	25	25	27	98	45
Q 10	96	99	182	231	172	93	33	99	96	118	45	43	29	42	37	21	44	35	25	26	26	24	33	56	71
11	107	174	159	94	55	116	90	63	31	32	30	16	38	22	14	14	31	38	29	33	27	17	26	21	53
12	17	25	14	23	34	37	26	53	33	23	28	20	25	23	22	14	24	32	33	28	21	19	25	24	26
13	11	10	12	8	13	18	26	70	54	32	21	19	18	14	16	17	27	29	41	42	34	21	36	44	26
14	56	45	45	37	31	33	32	47	65	52	50	60	61	61	51	45	46	66	109	130	55	51	91	94	59
15	26	23	57	63	87	57	37	77	62	77	112	65	34	37	30	21	31	52	80	73	56	48	19	42	53
16	105	163	181	251	228	115	45	26	38	56	100	159	146	126	125	81	35	47	121	303	185	92	53	16	117
17	73	54	96	95	66	71	49	78	47	43	55	62	72	59	34	21	17	22	24	25	23	48	66	65	53
18	36	27	49	76	167	165	202	305	422	458	408	254	138	82	42	36	32	38	28	25	41	34	85	110	136
D 19	120	111	180	163	219	236	436	246	119	102	134	274	249	328	175	143	146	207	288	232	143	121	118	96	192
D 20	78	105	145	198	146	261	153	194	204	163	133	136	81	64	52	126	220	147	103	89	89	69	86	85	130
21	111	71	60	82	125	193	159	73	68	74	76	60	131	95	81	67	45	74	72	77	53	67	77	57	85
22	66	91	91	88	67	63	81	124	77	31	78	50	37	123	74	40	26	24	31	30	35	28	55	47	61
23	54	65	82	93	91	97	120	133	102	77	79	77	48	54	74	64	51	35	35	29	22	29	36	42	66
24	42	51	53	41	47	51	71	79	70	38	50	53	63	51	43	34	28	39	53	49	34	34	35	25	47
25	23	19	18	21	37	38	85	100	73	37	57	82	118	126	91	211	171	186	312	261	246	134	75	141	111
26	168	204	270	326	171	154	117	72	35	81	97	86	92	67	39	32	34	55	125	157	105	132	53	33	113
27	57	71	72	65	56	82	78	84	53	52	44	39	30	26	25	19	24	28	17	31	62	128	156	152	60
28	129	87	75	82	94	143	183	110	86	60	42	127	170	101	112	183	181	133	166	111	101	178	231	106	125
29	57	31	12	15	13	33	44	40	34	31	47	48	83	66	26	54	52	59	54	32	30	30	34	65	41
D 30	74	104	113	131	123	153	117	70	70	59	111	278	226	105	105	184	316	367	310	288	336	336	259	212	185
Mean	88	88	93	103	97	101	99	93	80	73	79	86	83	77	63	71	74	74	90	93	80	79	79	82	84
5Q Mean	34	37	34	33	42	43	44	65	57	36	33	34	33	27	30	22	29	29	39	37	27	23	28	42	36
5D Mean	131	141	154	165	164	187	197	130	110	100	110	174	177	163	127	173	207	199	201	181	166	168	152	135	159

AL Index (Provisional Hourly mean values, unit nF)

June 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-467	-498	-463	-597	-375	-485	-234	-230	-224	-232	-223	-245	-562	-645	-555	-655	-508	-841	-281	-321	-246	-146	-170	-233	-371
D	-338	-88	-110	-394	-404	-347	-323	-199	-196	-138	-314	-300	-394	-187	-222	-315	-169	-213	-221	-141	-178	-201	-106	-234	-239
D	-402	-268	-284	-454	-328	-406	-443	-197	-81	-254	-256	-226	-153	-68	-93	-189	-277	-839	-252	-110	-168	-365	-241	-188	-254
4	-97	-89	-44	-43	-36	-26	-41	-32	-51	-88	-69	-33	-57	-130	-73	-50	-77	-102	-73	-45	-37	-42	-37	-51	-59
5	-127	-112	-118	-161	-85	-37	-75	-128	-75	-27	-27	-26	-25	-25	-28	-28	-97	-53	-26	-44	-37	-107	-201	-121	-75
6	-217	-139	-126	-39	-69	-70	-45	-43	-20	-32	-32	-34	-34	-75	-75	-29	-22	-30	-55	-133	-142	-52	-51	-43	-68
7	-81	-239	-126	-39	-28	-39	-41	-102	-157	-143	-140	-29	-26	-24	-18	-21	-23	-34	-70	-203	-124	-39	-46	-63	-77
8	-54	-52	-49	-43	-101	-107	-17	-33	-85	-50	-37	-27	-29	-19	-14	-27	-19	-18	-21	-29	-31	-33	-34	-41	-40
Q	-44	-44	-39	-30	-17	-8	-25	-45	-25	-35	-37	-97	-110	-52	-9	-15	-24	-51	-74	-31	-25	-30	-30	-51	-39
Q	-45	-77	-219	-270	-313	-58	-35	-39	-206	-120	-60	-37	-31	-16	-5	-16	-48	-56	-17	-19	-25	-32	-40	-42	-76
11	-139	-228	-208	-50	-38	-180	-128	-38	-31	-88	-48	-21	-20	-59	-73	-34	-57	-54	-19	-21	-19	-22	-29	-33	-68
12	-37	-36	-27	-19	-8	-11	-17	-21	-64	-67	-40	-35	-48	-72	-81	-79	-54	-20	-11	-19	-24	-24	-24	-30	-36
13	-31	-30	-32	-29	-17	-11	-16	-63	-85	-42	-30	-35	-30	-20	-19	-22	-69	-128	-57	-30	-31	-31	-20	-26	-38
14	-32	-31	-28	-18	-8	0	-1	-19	-32	-23	-100	-201	-159	-162	-142	-131	-94	-58	-65	-80	-40	-36	-69	-100	-68
15	-22	-15	-13	-47	-45	-23	-9	-27	-186	-157	-129	-102	-38	-30	-32	-58	-121	-177	-152	-53	-28	-27	-26	-27	-64
16	-51	-276	-279	-319	-317	-140	-37	-44	-33	-39	-168	-228	-231	-231	-172	-93	-46	-50	-185	-451	-264	-66	-28	-25	-157
17	-38	-30	-88	-135	-91	-44	-34	-32	-36	-69	-88	-87	-103	-85	-47	-41	-35	-15	-13	-17	-22	-29	-69	-40	-54
18	-22	-24	-33	-79	-161	-431	-403	-461	-454	-481	-468	-278	-223	-125	-51	-32	-26	-36	-18	-12	-24	-17	-69	-114	-168
D	-188	-44	-73	-100	-199	-353	-449	-169	-57	-54	-107	-284	-498	-416	-139	-134	-68	-273	-333	-251	-130	-113	-139	-161	-197
D	-90	-157	-234	-418	-254	-481	-440	-333	-424	-251	-163	-247	-147	-52	-20	-182	-401	-251	-99	-55	-38	-97	-80	-121	-210
21	-294	-100	-43	-122	-76	-303	-281	-128	-227	-173	-132	-100	-190	-213	-216	-230	-89	-175	-199	-154	-42	-46	-101	-67	-154
22	-53	-141	-154	-217	-158	-107	-149	-194	-125	-45	-165	-114	-46	-261	-291	-152	-86	-44	-38	-47	-69	-47	-105	-42	-119
23	-29	-65	-138	-215	-169	-124	-182	-355	-196	-147	-112	-211	-38	-64	-87	-150	-111	-39	-65	-30	-19	-30	-23	-15	-109
Q	-18	-61	-28	-17	-26	-33	-129	-133	-138	-98	-24	-121	-119	-80	-42	-63	-87	-24	-36	-18	-77	-33	-16	-10	-60
25	-8	-5	-6	-8	-15	-18	-140	-213	-62	-54	-88	-150	-224	-179	-182	-330	-209	-337	-427	-581	-267	-76	-74	-72	-155
26	-133	-446	-642	-399	-352	-237	-315	-91	-24	-98	-229	-172	-111	-85	-37	-27	-15	-55	-161	-214	-106	-230	-69	-51	-179
27	-63	-126	-88	-124	-111	-138	-185	-283	-107	-34	-76	-81	-34	-43	-65	-99	-102	-86	-33	-41	-87	-151	-240	-169	-107
28	-133	-86	-94	-104	-128	-198	-172	-74	-36	-44	-40	-105	-351	-196	-207	-310	-298	-316	-314	-107	-65	-104	-892	-109	-166
29	-10	-14	-19	-13	-19	-25	-39	-52	-34	-31	-35	-64	-140	-132	-27	-126	-190	-191	-59	-25	-40	-37	-31	-34	-58
D	-34	-189	-281	-194	-128	-111	-93	-76	-116	-61	-131	-237	-284	-63	-191	-411	-333	-660	-529	-489	-522	-439	-413	-362	-264
Mean	-109	-123	-134	-159	-135	-151	-149	-128	-119	-105	-118	-130	-148	-126	-107	-134	-125	-142	-129	-125	-97	-90	-99	-89	-124
5Q Mean	-36	-44	-35	-27	-33	-34	-40	-59	-79	-58	-33	-63	-67	-48	-33	-41	-50	-48	-39	-25	-37	-30	-24	-31	-42
5D Mean	-236	-231	-267	-352	-256	-367	-331	-201	-180	-170	-176	-247	-328	-248	-199	-314	-317	-384	-294	-245	-220	-232	-208	-213	-259

AE Index (Provisional Hourly mean values, unit nT)		1995																							
		June						1995																	
Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	630	727	635	738	554	602	337	259	300	310	289	294	775	896	798	968	746	470	386	523	394	300	314	383	526
D	491	180	205	551	574	507	419	298	312	218	531	526	508	277	335	483	272	304	315	249	285	311	211	404	365
Q	625	425	449	650	486	558	625	313	168	357	368	361	272	136	154	294	397	551	435	208	287	527	399	326	391
Q	198	194	94	107	77	54	110	95	101	111	88	49	95	179	129	79	115	140	116	86	73	95	70	121	107
Q	242	207	205	249	170	106	161	220	132	74	54	50	38	39	42	44	143	77	49	73	74	201	323	270	135
Q	415	252	165	236	151	182	97	80	41	57	51	58	68	162	143	57	38	53	101	230	230	120	95	118	133
Q	187	379	232	110	93	105	156	203	206	214	203	69	65	68	37	32	49	75	136	312	240	95	128	149	148
Q	133	129	120	114	181	172	58	79	130	83	63	50	45	38	37	45	43	30	42	53	55	54	53	62	78
Q	68	68	63	56	55	55	87	124	111	94	80	157	159	83	58	45	70	87	124	75	50	56	58	150	85
Q	142	177	402	502	485	152	68	140	302	239	107	82	61	59	42	38	92	92	44	47	52	58	75	98	148
Q	247	403	369	145	94	297	219	102	63	121	79	38	59	82	89	50	89	93	49	54	47	40	55	55	122
Q	55	62	41	43	43	49	44	75	97	90	68	57	75	96	105	94	80	52	45	48	47	45	50	54	63
Q	42	41	45	37	31	30	43	134	140	75	53	56	49	35	36	40	97	157	99	73	66	54	57	70	65
Q	89	77	73	55	40	34	35	67	97	75	151	263	222	224	195	176	141	126	176	211	96	88	161	195	128
Q	49	38	71	111	133	81	46	105	249	235	243	169	73	68	64	81	152	229	234	128	85	77	47	69	118
Q	157	440	461	571	545	256	82	71	71	95	269	388	379	359	298	176	82	98	308	755	449	159	82	42	275
Q	112	84	185	230	157	115	84	112	84	114	144	150	177	145	83	64	54	38	38	43	47	77	136	107	108
Q	59	52	83	156	328	597	606	767	877	940	878	534	362	209	94	68	59	75	47	39	66	52	154	224	305
Q	309	156	255	264	418	609	885	415	177	157	242	559	748	745	315	278	215	481	621	484	273	235	259	258	390
Q	169	263	380	616	400	743	594	528	629	415	297	384	229	118	74	309	622	400	202	145	129	167	167	207	341
Q	406	172	104	204	201	496	442	202	296	248	209	162	322	310	298	298	135	250	272	232	96	114	179	125	241
Q	120	233	246	306	227	171	231	319	293	77	245	165	85	385	365	193	113	70	70	78	104	76	161	90	181
Q	84	132	221	308	260	222	303	489	209	225	193	290	87	119	163	215	163	75	101	61	43	61	60	58	176
Q	60	112	82	59	74	86	201	213	209	137	76	176	183	133	87	99	117	64	90	68	112	69	51	36	108
Q	33	25	25	29	52	57	226	313	136	92	147	233	344	306	275	541	381	523	740	843	514	211	150	214	267
Q	303	650	912	725	523	392	434	164	61	180	328	259	205	153	77	60	50	111	288	371	212	363	123	85	293
Q	121	198	161	189	168	221	265	368	162	88	121	122	65	70	91	119	127	115	51	73	150	281	397	323	169
Q	263	174	171	186	222	342	356	185	123	105	83	233	523	299	320	493	480	451	481	219	167	283	624	216	292
Q	69	46	32	29	33	58	84	92	70	64	83	113	224	199	55	182	242	251	114	58	72	68	67	101	100
Q	110	294	394	326	251	264	210	148	187	121	244	517	511	170	297	595	650	1028	841	778	859	776	673	576	451
Q	199	213	229	263	234	253	250	222	201	180	199	218	233	205	171	207	200	218	220	220	179	170	179	172	210
Q	71	82	70	61	76	78	86	125	137	95	68	99	102	77	64	64	81	78	80	63	66	55	53	74	79
Q	368	373	422	518	421	555	530	332	292	272	288	423	507	413	327	488	526	586	497	427	388	401	362	350	419

A0 Index (Provisional Hourly mean values, unit nT)

June 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-152	-134	-144	-228	-97	-184	-65	-100	-74	-76	-79	-98	-174	-197	-155	-171	-135	-106	-67	-59	-49	3	-13	-41	-108
D	-92	1	-7	-118	-116	-93	-113	-50	-40	-30	-48	-37	-140	-48	-55	-73	-32	-61	-63	-16	-35	-46	-1	-31	-56
D	-90	-55	-59	-129	-85	-127	-131	-40	2	-76	-72	-45	-16	0	-15	-42	-77	-124	-34	-6	-24	-101	-42	-25	-59
D	0	6	2	10	2	1	12	14	0	-32	-25	-8	-10	-40	-8	-10	-19	-32	-15	-2	0	4	-1	9	-6
D	-6	-9	-15	-35	0	15	4	-18	-9	9	-1	-1	-5	-5	-7	-6	-26	-15	-1	-7	-1	-7	-39	13	-7
D	-9	-5	0	-6	6	20	2	-3	0	-4	-7	-5	0	4	-4	-1	-3	-3	-5	-17	-27	8	-3	14	-2
D	11	-49	-10	15	17	12	35	-1	-54	-36	-38	3	5	8	0	-5	0	2	-2	-46	-4	7	16	10	-4
Q	11	12	9	12	-11	10	10	5	-19	-8	-5	-2	-7	0	3	-5	1	-3	0	-2	-3	-6	-7	-9	-1
Q	-9	-8	-7	0	9	18	16	16	28	11	2	-18	-30	-10	19	6	9	-8	-11	6	0	-2	-1	22	2
Q	24	10	-18	-19	-70	17	-1	28	-54	-1	-6	2	-1	12	15	2	-2	-10	3	2	0	-3	-3	6	-2
Q	-15	-26	-24	21	7	-32	-18	12	0	-27	-9	-2	8	-17	-28	-9	-12	-8	4	5	3	-2	-1	-5	-7
Q	-9	-5	-5	-9	12	12	4	15	-15	-21	-5	-7	-10	-24	-28	-31	-14	5	10	3	-1	-2	0	-2	-4
Q	-8	-9	-9	-9	2	4	4	2	-15	-4	-4	-7	-5	-2	-1	-2	-20	-49	-8	5	0	7	7	8	-5
Q	11	6	8	9	11	15	14	13	15	14	-24	-69	-48	-49	-44	-42	-24	3	21	24	7	7	10	-3	-4
Q	11	3	21	7	20	16	13	24	-61	-39	-8	-17	-1	3	-1	-17	-44	-62	-35	9	13	9	-3	7	-5
D	26	-56	-49	-34	-44	-12	3	-8	2	8	-33	-33	-41	-52	-23	-6	-5	-1	-31	-74	-38	12	11	-3	-20
D	17	11	3	-19	-12	13	6	22	5	-12	-15	-12	-14	-12	-6	-9	-9	2	4	3	0	9	-1	11	0
D	6	1	7	-1	2	-132	-100	-77	-15	-11	-29	-11	-41	-20	-4	1	2	0	4	6	8	8	8	-1	-16
D	-33	33	53	30	9	-48	-6	38	30	23	13	-5	-123	-44	17	4	38	-32	-22	-9	6	3	-10	-32	-2
D	-6	-25	-44	-109	-54	-109	-142	-68	-109	-44	-15	-55	-32	5	15	-27	-90	-51	1	16	25	-14	3	-18	-39
D	-91	-14	8	-19	24	-55	-60	-27	-79	-48	-27	-19	-29	-58	-67	-81	-21	-50	-63	-38	5	9	-11	-4	-34
D	6	-25	-31	-63	-44	-22	-33	-34	-23	-6	-43	-31	-3	-68	-108	-55	-29	-10	-3	-8	-16	-9	-24	2	-28
D	11	0	-27	-60	-38	-13	-31	-110	-46	-34	-16	-66	5	-4	-6	-42	-29	-2	-14	0	0	0	5	12	-21
Q	11	-4	12	11	10	8	-29	-27	-33	-29	12	-33	-27	-13	0	-13	-28	7	8	14	-20	0	8	7	-6
Q	7	6	5	5	10	9	-27	-56	4	-8	-14	-33	-52	-25	-45	-59	-18	-75	-57	-159	-10	28	0	33	-22
D	17	-120	-185	-36	-90	-41	-98	-9	5	-8	-65	-42	-8	-8	1	1	8	0	-17	-28	0	-48	-7	8	-33
D	-2	-26	-7	-28	-27	-28	-53	-99	-26	8	-15	-20	-1	-7	-19	-39	-38	-28	-7	-4	-11	-10	-41	-8	-22
D	-2	0	-9	-10	-16	-27	5	17	24	7	0	10	-90	-47	-47	-63	-58	-91	-73	1	18	36	-80	-1	-20
D	23	7	-3	0	-2	3	2	-6	0	5	5	-7	-28	-32	0	-35	-68	-65	-2	3	-4	-3	1	15	-8
D	19	-42	-83	-30	-2	20	11	-2	-23	-1	-9	20	-28	20	-42	-112	-8	-146	-109	-99	-92	-51	-76	-75	-39
Mean	-10	-17	-20	-27	-19	-25	-25	-17	-19	-15	-19	-21	-31	-24	-21	-31	-25	-33	-19	-15	-8	-5	-9	-3	-19
5Q Mean	0	-2	0	3	3	1	2	-10	-10	0	-13	-15	-74	-43	-36	-69	-54	-91	-46	5	-4	-2	1	5	-3
5D Mean	-52	-44	-55	-93	-45	-89	-66	-34	-34	-32	-36	-74	-43	-43	-36	-69	-54	-91	-46	-31	-26	-32	-27	-38	-49

AU Index (Provisional Hourly mean values, unit nT) July 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D 1	118	211	325	316	259	262	192	187	147	104	49	33	23	33	31	28	45	71	81	78	71	67	82	86	121
2	113	116	98	48	43	30	17	15	11	15	18	20	30	30	35	23	16	19	22	34	34	27	23	26	36
3	100	155	122	83	51	26	40	89	55	30	43	44	62	40	53	36	18	25	26	21	39	56	123	128	61
4	173	149	78	89	162	148	101	57	40	26	24	28	20	65	107	60	47	39	60	45	39	27	33	22	68
Q 5	25	41	62	35	22	12	14	53	50	36	27	15	17	22	25	27	21	26	25	22	20	17	16	18	27
Q 6	21	27	20	30	24	25	27	29	61	40	44	23	23	20	18	24	39	38	56	60	67	52	27	24	34
7	27	67	81	106	119	39	25	30	50	38	24	22	22	36	55	76	37	28	19	18	17	17	19	22	41
8	23	33	50	46	45	64	79	69	105	66	29	55	95	110	85	66	31	27	35	35	30	21	14	17	51
9	23	23	18	13	14	12	11	19	16	30	75	142	191	60	34	60	34	39	46	42	64	58	33	22	45
Q 10	18	11	7	7	7	9	14	20	26	21	20	17	11	11	20	14	21	33	32	30	24	21	17	21	18
Q 11	24	28	20	17	24	29	26	29	31	20	13	12	13	15	9	10	10	14	24	31	36	29	21	25	21
12	42	35	15	15	15	20	22	22	22	24	23	22	23	28	30	31	29	34	38	42	36	35	31	31	28
13	38	70	80	38	85	111	86	56	66	72	49	49	76	117	101	52	43	48	29	32	32	31	32	28	59
14	27	29	12	15	25	43	63	89	71	50	43	54	67	75	52	40	51	49	68	91	127	118	85	103	60
15	72	39	27	22	50	47	56	89	53	38	31	55	53	39	23	27	34	33	34	38	31	32	37	34	41
D 16	31	53	63	45	31	36	42	84	51	59	56	58	71	96	192	573	312	165	240	233	164	189	244	209	137
D 17	188	139	202	102	181	189	107	69	96	104	143	219	252	115	117	265	139	66	79	57	106	85	142	155	138
D 18	204	146	120	170	195	35	50	46	59	36	112	123	162	144	96	92	65	63	83	84	77	34	31	37	86
19	44	89	60	86	107	48	57	61	87	94	76	107	97	40	40	25	23	24	42	75	117	153	87	64	71
20	165	183	175	166	225	144	129	46	60	27	126	106	68	27	44	48	56	75	44	35	39	47	25	15	87
21	15	8	21	10	33	73	94	78	43	62	36	40	117	90	62	52	32	28	31	41	27	33	19	19	44
22	33	39	57	74	67	81	64	58	70	66	35	39	64	108	66	28	34	76	90	83	69	44	48	99	62
23	138	130	93	37	11	16	14	10	10	13	26	23	45	31	76	50	81	113	123	98	92	88	58	39	59
24	32	16	14	64	176	112	173	404	277	219	216	147	63	53	18	11	31	58	163	286	326	178	234	230	146
D 25	136	154	142	88	107	36	39	37	48	32	21	15	9	8	5	19	19	15	20	19	12	16	15	50	44
26	80	27	38	61	66	54	48	40	44	20	14	32	96	40	17	17	21	21	15	19	14	22	54	67	39
27	94	77	76	82	98	38	14	57	47	26	15	4	0	4	32	53	47	18	29	57	117	57	58	91	50
28	51	57	47	35	28	28	25	24	33	22	25	18	13	24	25	12	9	22	40	49	48	106	165	82	41
29	119	205	235	166	66	23	4	8	9	21	10	13	12	15	35	44	67	77	67	56	50	53	40	68	61
30	95	57	25	27	26	15	10	28	64	47	35	22	21	34	49	53	51	34	68	86	119	108	121	154	56
31	56	21	14	21	65	115	105	130	106	50	38	21	22	23	41	38	30	32	52	54	39	38	39	93	52
Mean	75	78	77	64	75	61	56	65	61	48	48	50	59	50	51	63	48	45	57	62	66	59	63	67	60
5Q Mean	26	28	24	20	18	19	20	30	38	28	25	17	17	19	20	21	24	29	35	37	36	30	23	23	25
5D Mean	114	113	144	119	148	126	112	158	126	104	115	116	114	88	90	193	118	84	129	147	148	110	146	143	125

AL Index (Provisional Hourly mean values, unit nT) July 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-516	-445	-541	-492	-388	-237	-286	-269	-175	-30	-22	-24	-28	-17	-22	-38	-70	-143	-156	-89	-56	-43	-80	-71	-177
	-62	-139	-80	-33	-19	-20	-21	-16	-23	-32	-35	-23	-23	-20	-19	-19	-23	-37	-23	-29	-44	-40	-19	-29	-34
	-66	-259	-99	-26	-18	-21	-29	-103	-42	-196	-96	-32	-66	-36	-42	-43	-33	-18	-31	-27	-22	-28	-105	-94	-64
	-148	-207	-60	-77	-52	-120	-73	-88	-33	-20	-25	-31	-29	-36	-125	-72	-76	-80	-38	-20	-52	-29	-32	-29	-63
Q	-36	-36	-97	-54	-9	-13	-12	-19	-55	-61	-41	-103	-55	-41	-27	-24	-22	-23	-27	-24	-18	-20	-20	-24	-36
Q	-28	-31	-28	-21	-11	-17	-16	-24	-64	-125	-73	-46	-26	-28	-27	-24	-37	-91	-114	-104	-90	-56	-21	-24	-47
	-26	-36	-105	-206	-197	-71	-29	-29	-29	-20	-22	-24	-24	-23	-23	-33	-43	-31	-16	-14	-23	-30	-24	-25	-48
	-29	-33	-53	-70	-29	-60	-144	-61	-53	-77	-43	-58	-191	-186	-161	-38	-20	-11	-49	-43	-24	-26	-22	-24	-63
	-27	-21	-11	-5	-10	-9	-9	-14	-20	-29	-158	-292	-269	-93	-62	-73	-100	-51	-37	-36	-50	-112	-33	-30	-65
Q	-33	-37	-28	-17	-9	-12	-19	-29	-18	-25	-30	-30	-33	-28	-38	-22	-15	-18	-20	-51	-46	-41	-29	-30	-27
Q	-32	-17	-18	-21	-17	-21	-29	-27	-25	-27	-22	-22	-25	-27	-23	-18	-22	-26	-27	-20	-29	-32	-32	-36	-25
Q	-43	-41	-34	-18	-1	-7	-12	-16	-20	-26	-29	-28	-27	-26	-22	-23	-26	-34	-25	-15	-24	-28	-25	-22	-24
	-29	-33	-18	-6	-14	-40	-92	-23	-12	-17	-23	-48	-36	-27	-18	-34	-56	-143	-72	-13	-16	-26	-27	-25	-35
	-24	-21	-22	-18	-8	-8	-27	-13	-20	-107	-88	-57	-66	-44	-51	-17	-24	-38	-18	-157	-109	-54	-47	-193	-51
	-46	-71	-28	-10	0	-9	-21	-95	-57	-34	-37	-93	-92	-89	-36	-16	-26	-32	-122	-78	-24	-6	0	-4	-43
D	-13	-23	-54	-35	-10	-10	-14	-85	-147	-217	-93	-51	-36	-59	-594	-797	-393	-118	-103	-148	-134	-168	-462	-436	-175
D	-375	-284	-381	-165	-237	-537	-315	-126	-147	-272	-256	-383	-532	-156	-179	-519	-235	-46	-20	-27	-70	-148	-267	-318	-251
D	-518	-412	-249	-87	-203	-64	-40	-92	-105	-68	-319	-244	-361	-381	-176	-217	-83	-165	-156	-63	-58	-25	-31	-43	-171
	-61	-139	-121	-133	-221	-89	-41	-92	-261	-361	-248	-263	-203	-83	-9	-32	-41	-38	-72	-89	-92	-293	-33	-21	-126
	-170	-286	-314	-302	-290	-176	-107	-65	-64	-46	-225	-247	-118	-48	-27	-69	-158	-90	-91	-74	-31	-37	-30	-24	-129
	-25	-32	-30	-21	-22	-97	-157	-93	-76	-67	-76	-56	-145	-209	-187	-131	-100	-84	-89	-39	-61	-42	-17	-23	-78
	-29	-38	-83	-140	-178	-142	-67	-15	-17	-24	-36	-40	-55	-262	-201	-33	-13	-71	-162	-154	-62	-65	-57	-107	-85
	-151	-219	-180	-58	-13	-24	-35	-42	-44	-19	-24	-42	-82	-65	-106	-182	-243	-285	-326	-123	-93	-55	-64	-43	-105
	-36	-26	-40	-47	-194	-177	-378	-704	-381	-284	-162	-112	-41	-45	-76	-41	-40	-77	-277	-595	-579	-304	-260	-261	-214
D	-389	-375	-299	-170	-160	-101	-107	-50	-39	-37	-56	-52	-41	-50	-37	-72	-81	-87	-55	-31	-26	-23	-26	-38	-100
	-57	-35	-36	-97	-131	-56	-33	-26	-46	-95	-34	-36	-117	-103	-60	-46	-57	-37	-43	-33	-26	-27	-38	-66	-56
	-53	-52	-93	-168	-252	-70	-25	-106	-48	-34	-40	-33	-40	-38	-39	-96	-129	-112	-52	-93	-281	-47	-29	-88	-84
	-78	-27	-43	-33	-19	-21	-25	-23	-21	-19	-27	-32	-33	-54	-35	-27	-25	-33	-59	-64	-48	-93	-108	-55	-42
	-101	-205	-266	-134	-42	-24	-27	-37	-49	-48	-41	-33	-28	-26	-44	-162	-263	-211	-62	-53	-82	-45	-30	-45	-86
	-102	-30	-25	-24	-20	-18	-22	-21	-35	-137	-144	-27	-26	-30	-63	-123	-210	-57	-33	-36	-48	-126	-84	-119	-65
	-43	-46	-43	-33	-28	-184	-177	-144	-92	-32	-27	-26	-31	-24	-28	-82	-124	-43	-44	-36	-27	-23	-22	-180	-64
Mean	-107	-117	-112	-87	-91	-79	-77	-78	-71	-83	-82	-83	-92	-76	-82	-102	-89	-75	-78	-76	-75	-67	-66	-81	-84
5Q Mean	-34	-32	-41	-26	-9	-14	-17	-23	-36	-52	-39	-45	-33	-30	-27	-22	-24	-38	-42	-42	-41	-35	-25	-27	-31
5D Mean	-291	-238	-253	-165	-210	-205	-206	-242	-191	-174	-170	-162	-199	-131	-209	-322	-164	-109	-142	-184	-179	-137	-220	-225	-197

Date		AE Index (Provisional Hourly mean values, unit nT)																								July		1995	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean			
D	1	635	658	868	809	647	500	480	457	323	135	72	58	53	50	54	67	117	215	239	167	128	111	163	158	299			
	2	175	256	179	82	63	51	39	32	35	48	54	44	54	50	55	43	41	58	46	63	71	63	46	60	71			
	3	167	416	222	110	70	48	69	192	98	226	140	78	128	78	97	81	52	44	57	49	61	84	229	223	126			
	4	321	357	139	166	215	269	175	96	74	47	51	60	50	103	233	134	124	119	99	65	92	58	66	51	132			
Q	5	61	78	160	90	32	25	28	73	106	98	70	119	73	65	53	53	44	51	53	46	38	38	36	42	64			
Q	6	49	59	49	52	37	44	44	54	127	167	117	70	50	50	46	49	77	130	170	165	158	109	49	50	82			
	7	55	104	187	312	317	111	56	60	79	59	46	46	47	63	79	170	82	60	37	33	40	48	44	47	91			
	8	53	67	105	117	76	125	224	131	159	145	73	114	286	296	247	105	53	39	84	79	55	48	37	42	115			
	9	52	45	30	19	25	23	21	34	37	61	234	436	461	134	96	134	135	91	83	79	114	171	66	53	111			
Q	10	52	48	36	24	17	22	34	50	46	48	51	47	46	41	59	38	38	52	52	81	71	63	46	51	46			
Q	11	57	46	39	39	41	52	56	57	58	48	36	36	40	43	33	30	33	42	52	51	67	61	53	62	47			
Q	12	86	76	49	34	17	29	36	40	44	51	53	52	51	55	53	55	56	70	64	57	61	65	61	54	53			
	13	67	104	99	45	99	151	178	83	79	91	73	98	114	145	121	87	100	192	102	46	49	58	59	53	96			
	14	51	50	35	34	35	52	91	103	92	158	132	112	133	119	104	58	76	88	86	248	237	172	183	297	112			
	15	119	110	56	32	51	57	77	184	110	74	69	150	146	129	60	45	62	67	157	117	55	39	37	39	85			
D	16	45	76	118	81	42	48	58	170	200	277	150	110	108	157	786	1371	705	284	344	382	300	358	707	646	313			
D	17	564	425	583	267	439	727	423	196	245	377	400	603	785	272	297	784	375	113	99	84	176	234	409	475	390			
D	18	724	558	371	158	299	101	91	73	165	105	432	388	524	526	273	309	149	228	239	149	136	60	63	81	258			
	19	105	229	182	220	328	138	99	155	348	456	326	371	301	123	50	58	65	63	115	165	210	446	120	86	198			
	20	337	471	491	469	516	321	237	111	125	74	333	334	186	76	72	118	214	166	136	110	71	84	56	39	216			
	21	41	41	53	32	55	172	253	172	120	129	113	97	264	300	249	133	133	113	121	81	89	76	36	42	124			
	22	63	78	141	215	246	224	132	74	89	92	72	81	120	371	268	62	48	149	253	237	132	109	106	206	149			
	23	291	350	275	96	24	41	51	52	55	33	51	66	128	96	183	232	325	398	450	223	186	143	124	82	165			
D	24	68	43	55	111	370	290	552	1109	659	504	380	261	105	99	96	54	72	136	441	882	906	482	496	493	361			
	25	526	530	441	258	267	138	147	87	88	70	78	68	52	59	44	92	101	103	76	51	39	40	42	89	145			
	26	137	63	74	159	198	111	81	66	91	115	49	70	215	144	78	64	80	59	59	52	40	49	92	134	95			
	27	148	130	170	251	350	109	41	163	97	61	56	38	41	43	73	151	177	132	82	151	399	104	87	180	135			
	28	130	86	90	70	47	50	52	48	55	42	53	51	47	79	61	40	36	36	101	115	96	199	273	138	84			
	29	220	412	502	300	109	48	33	47	60	70	53	47	41	43	81	207	331	289	130	110	132	98	70	113	148			
	30	198	88	51	51	46	33	33	49	100	186	179	51	49	65	113	177	262	92	102	123	167	234	205	273	122			
	31	100	67	58	55	94	299	282	275	200	84	66	49	54	48	70	121	155	76	97	91	66	61	62	273	117			
Mean		183	197	190	153	166	142	134	144	134	133	131	135	153	127	134	166	139	121	136	140	143	127	131	149	146			
5Q Mean		61	61	66	47	28	34	39	54	76	82	65	64	52	50	48	45	49	69	78	80	79	67	49	51	58			
5D Mean		407	352	399	285	359	320	401	318	318	279	286	280	315	220	301	517	283	195	272	332	329	249	367	370	324			

AO Index (Provisional Hourly mean values, unit nT)

July

1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-198	-116	-107	-87	-63	11	-46	-40	-13	36	13	4	-2	7	4	-4	-11	-35	-36	-5	7	11	0	7	-27
	25	-11	8	7	11	5	-1	0	-5	-8	-7	-1	3	4	7	1	-3	-8	0	2	-7	-7	3	0	0
	16	-50	11	28	16	2	5	-6	6	-82	-25	5	-1	1	5	-3	-6	2	-2	-2	8	13	8	16	-1
	12	-28	8	5	54	13	13	9	3	2	0	0	-3	14	-8	-5	-14	-20	10	12	-5	0	0	-3	2
Q	-4	2	-17	-9	5	0	1	16	-2	-12	-6	-43	-18	-8	0	1	0	1	0	0	0	-1	-1	-2	-4
Q	-2	-1	-3	4	6	3	5	2	-1	-42	-14	-11	-1	-3	-3	0	1	-26	-28	-21	-11	-2	3	0	-6
	0	15	-12	-49	-38	-15	-1	0	10	8	2	0	0	3	15	-8	-2	-1	1	1	-2	-6	-1	-1	-3
	-2	0	-1	-11	7	1	-32	3	25	-5	-7	-1	-47	-37	-37	13	5	7	-6	-3	2	-1	-3	-2	-5
	-1	1	3	3	1	1	0	2	-1	0	-41	-74	-38	-15	-13	-6	-32	-5	4	2	7	-26	0	-2	-9
Q	-6	-12	-10	-4	0	0	-1	-4	3	-2	-4	-6	-10	-7	-8	-3	2	7	5	-10	-10	-9	-5	-3	-4
Q	-2	5	1	-1	3	3	-1	1	3	-2	-3	-3	-5	-5	-6	-4	-6	-5	-1	4	2	-1	-4	-4	-1
Q	0	-2	-9	-1	6	6	4	2	0	0	-1	-2	-1	0	3	3	1	0	6	13	5	2	4	4	1
	4	17	30	15	35	34	-3	15	26	27	12	0	19	44	41	8	-6	-47	-21	9	7	1	1	0	11
	1	3	-4	-1	8	16	17	37	24	-28	-21	-1	0	15	0	11	12	5	24	-32	9	31	18	-44	4
	12	-15	0	5	24	18	17	-2	-2	1	-3	-18	-18	-24	-6	5	3	0	-43	-19	3	12	18	14	0
D	8	14	4	4	10	12	13	0	-47	-78	-17	3	17	18	-200	-111	-40	23	68	42	14	9	-108	-112	-18
D	-92	-132	-89	-30	-38	-173	-103	-28	-24	-83	-55	-81	-139	-19	-30	-126	-47	10	28	14	18	-30	-62	-80	-55
D	-156	-82	-63	-8	-53	-14	4	9	-22	-16	-102	-59	-98	-117	-39	-61	-8	-50	-35	9	9	4	0	-2	-41
	-8	-24	-29	-23	-56	-19	8	-15	-86	-132	-85	-77	-52	-21	15	-3	-8	-6	-14	-6	11	-69	26	20	-27
	-2	-50	-68	-67	-32	-16	10	-9	-2	-9	-49	-69	-23	-10	8	-10	-50	-7	-22	-19	3	4	-2	-3	-20
	-4	-11	-3	-4	5	-11	-31	-7	-16	-2	-19	-8	-13	-59	-61	-38	-33	-27	-28	0	-16	-4	1	-1	-16
	1	0	-12	-32	-55	-30	-1	21	25	20	0	0	4	-76	-66	-2	9	2	-35	-34	3	-10	-4	-4	-11
	-6	-43	-43	-9	0	-3	-10	-15	-16	-2	1	-9	-17	-16	-14	-65	-80	-85	-100	-12	0	16	-3	-2	-22
D	-1	-4	-12	8	-8	-32	-101	-149	-51	-32	27	17	10	4	-28	-14	-4	-8	-56	-153	-126	-62	-12	-14	-33
	-125	-109	-77	-40	-26	-31	-33	-6	4	-2	-16	-17	-15	-20	-15	-25	-29	-35	-16	-5	-6	-2	-4	6	-27
	10	-3	0	-17	-32	-1	7	6	-1	-36	-9	-1	-10	-30	-20	-13	-17	-7	-13	-6	-5	-2	8	0	-8
	19	12	-8	-42	-76	-15	-5	-24	0	-3	-12	-14	-19	-16	-3	-21	-40	-46	-11	-17	-81	4	14	1	-17
	-13	14	1	1	4	3	0	0	5	1	0	-6	-9	-14	-4	-7	-7	-5	-9	-7	0	6	27	13	0
	8	0	-15	15	11	0	-10	-13	-19	-13	-15	-8	-7	-4	-3	-58	-97	-66	2	1	-15	3	4	11	-12
	-3	12	0	1	2	-1	-5	3	13	-44	-53	-1	-1	2	-6	-34	-78	-11	16	25	35	-8	17	16	-4
	6	-11	-13	-5	18	-34	-35	-7	6	8	5	-1	-3	0	6	-21	-46	-5	3	8	6	6	7	-43	-6
Mean	-16	-19	-17	-11	-8	-8	-10	-6	-5	-17	-16	-15	-16	-12	-15	-19	-20	-14	-9	-6	-4	-3	-1	-6	-11
5Q	-2	-1	-7	-2	4	2	1	3	0	-11	-5	-13	-7	-4	-2	0	0	-4	-3	-2	-2	-2	0	-1	-2
5D	-87	-62	-53	-22	-30	-39	-46	-41	-31	-34	-26	-23	-42	-21	-58	-63	-22	-12	-6	-18	-15	-13	-36	-40	-35

AU Index (Provisional Hourly mean values, unit nT)

August 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
Q	69	43	38	20	48	55	44	74	71	61	115	38	28	25	17	15	23	33	28	27	26	26	22	25	40	
	31	32	41	34	35	30	23	32	32	43	28	38	36	58	91	62	27	42	76	95	81	31	29	23	44	
	41	61	50	74	125	150	148	123	58	40	81	147	141	73	68	55	57	64	79	72	52	71	56	47	80	
	25	18	46	56	27	22	42	80	84	79	25	19	25	26	46	80	49	57	65	98	124	109	60	42	54	
	34	21	25	13	35	51	55	44	69	45	36	56	65	103	90	73	35	43	51	43	42	30	27	22	46	
Q	22	38	41	23	35	48	87	99	50	36	34	31	33	31	67	64	42	32	37	58	54	56	50	21	45	
	9	20	38	28	31	57	41	39	29	43	92	75	100	119	57	62	65	70	76	65	54	98	93	174	64	
D	241	234	240	222	256	219	176	69	88	89	64	106	96	72	78	39	24	55	102	282	210	150	84	92	137	
D	127	179	159	155	175	102	117	106	129	124	129	92	137	92	111	164	185	232	145	102	168	247	101	52	139	
D	135	147	214	269	214	193	85	59	98	152	67	56	52	50	84	71	59	41	61	56	56	38	69	73	100	
	73	69	79	61	102	96	112	64	54	62	41	54	128	118	86	41	31	26	25	53	85	118	90	70	72	
	152	155	146	139	71	20	22	28	35	30	84	121	139	106	58	29	31	24	33	50	60	96	93	53	74	
	59	147	158	210	206	197	91	47	59	55	76	63	123	147	101	70	73	31	40	41	68	111	94	233	104	
D	188	143	97	193	235	208	131	113	238	247	215	100	93	59	62	70	113	124	141	147	82	95	111	97	138	
	119	145	167	173	153	152	109	51	45	36	91	103	40	63	100	38	38	72	121	86	66	99	43	47	90	
	35	74	85	134	159	167	115	79	56	26	44	62	51	71	84	51	62	79	75	39	33	36	21	26	69	
	47	51	45	69	66	127	177	123	97	90	250	248	145	99	146	205	218	259	226	144	73	51	48	54	127	
	37	39	31	23	29	19	28	20	15	21	27	22	96	82	84	45	29	52	94	120	58	29	47	99	48	
	182	155	103	56	61	157	100	120	68	65	45	25	26	26	44	36	26	37	39	28	88	101	96	106	73	
	83	49	24	50	70	68	40	49	44	29	17	42	49	84	98	32	35	30	17	19	18	16	15	18	41	
Q	20	14	17	18	18	26	27	32	28	22	31	27	18	12	10	9	13	14	14	18	18	17	15	15	19	
	13	16	8	12	18	19	17	25	16	14	16	19	8	23	40	42	30	65	138	185	229	303	241	232	72	
	219	181	298	334	346	301	132	166	112	107	175	187	99	33	39	37	26	33	31	33	39	43	38	49	127	
	38	59	43	28	58	51	42	32	21	21	30	39	102	160	128	56	43	48	40	46	85	40	69	69	56	
D	66	129	207	192	224	237	170	100	109	312	145	82	43	34	25	41	45	59	41	42	37	34	89	110	107	
	65	29	46	85	63	38	58	28	51	39	46	104	125	120	93	30	22	27	32	33	39	35	30	31	53	
	47	50	56	41	30	41	46	29	53	44	34	34	27	31	40	31	27	30	34	37	110	99	40	44	44	
	39	30	18	12	20	21	25	43	49	49	30	26	28	41	52	14	18	26	30	34	26	25	26	29	30	
	40	46	87	121	107	122	103	99	129	244	253	168	120	35	18	10	27	43	107	128	57	83	88	62	96	
Q	102	114	79	94	71	41	27	17	18	17	9	23	31	33	37	31	20	21	23	26	21	19	22	24	38	
Q	16	19	19	22	17	15	14	15	15	10	13	9	8	10	18	29	31	37	32	32	31	20	27	30	20	
Mean	74	80	87	95	100	98	77	64	65	72	75	71	71	65	66	52	49	58	66	72	70	75	62	66	66	72
5Q Mean	45	45	38	35	37	37	39	47	36	29	40	25	23	22	29	29	25	27	26	32	30	27	27	27	23	32
5D Mean	151	166	183	206	220	191	135	89	132	184	124	87	84	61	72	77	85	102	98	125	110	112	90	84	124	

AL Index (Provisional Hourly mean values, unit nT)

August 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	-99	-15	-8	-8	-38	-88	-30	-13	-16	-56	-258	-100	-19	-18	-23	-31	-53	-81	-41	-23	-40	-20	-17	-26	-47
	-33	-31	-34	-14	-4	-10	-19	-64	-41	-15	-20	-15	-14	-47	-127	-198	-108	-34	-130	-139	-90	-15	-16	-20	-52
	-29	-79	-68	-45	-106	-227	-180	-113	-42	-19	-81	-252	-196	-110	-98	-67	-93	-79	-82	-34	-22	-58	-48	-20	-89
	-17	-23	-48	-62	-32	-14	-19	-43	-75	-50	-31	-15	-19	-20	-42	-83	-127	-120	-59	-79	-123	-230	-106	-14	-60
	-3	-5	-3	-7	-21	-55	-60	-53	-45	-70	-104	-80	-99	-182	-266	-194	-128	-21	-21	-14	-15	-4	-16	-16	-62
Q	-13	-20	-15	-3	-23	-48	-60	-90	-33	-25	-18	-18	-25	-46	-113	-146	-141	-86	-38	-41	-60	-128	-25	-21	-51
	-14	-18	-16	-13	-16	-63	-17	-25	-17	-12	-44	-83	-48	-176	-78	-80	-106	-122	-133	-58	-21	-58	-96	-163	-62
D	-404	-582	-406	-401	-383	-219	-90	-22	-78	-62	-68	-128	-58	-59	-25	-36	-58	-54	-111	-391	-260	-203	-109	-112	-180
D	-195	-386	-229	-231	-320	-388	-158	-228	-320	-281	-204	-151	-213	-319	-190	-387	-265	-430	-228	-38	-182	-510	-171	-25	-252
D	-119	-403	-323	-493	-355	-316	-381	-63	-148	-453	-279	-113	-26	-39	-208	-152	-61	-55	-189	-53	-28	-30	-80	-142	-188
	-93	-66	-86	-100	-152	-195	-332	-52	-32	-42	-53	-46	-210	-277	-215	-132	-76	-40	-4	-28	-74	-191	-212	-139	-119
	-379	-331	-146	-124	-39	-9	-2	-5	-16	-23	-50	-249	-270	-128	-45	-44	-28	-24	-37	-96	-141	-153	-167	-133	-110
	-82	-148	-234	-433	-347	-215	-184	-184	-170	-139	-124	-121	-120	-187	-194	-122	-162	-25	-16	-21	-52	-119	-132	-463	-166
D	-687	-440	-283	-449	-335	-302	-148	-149	-576	-584	-475	-148	-124	-47	-83	-131	-218	-196	-238	-237	-74	-152	-242	-191	-271
	-241	-404	-393	-372	-434	-455	-407	-180	-59	-123	-207	-358	-92	-64	-234	-49	-12	-82	-305	-118	-56	-135	-134	-22	-206
	-12	-102	-225	-365	-382	-404	-371	-214	-117	-88	-247	-225	-100	-152	-196	-156	-117	-240	-117	-23	-24	-18	-17	-22	-164
	-51	-68	-55	-54	-39	-62	-135	-114	-177	-187	-325	-567	-168	-95	-326	-562	-420	-340	-333	-157	-39	-23	-10	-15	-180
	-20	-23	-25	-23	-19	-11	-9	-12	-21	-23	-29	-23	-91	-102	-116	-110	-117	-79	-128	-248	-49	-17	-34	-153	-62
	-213	-168	-62	-14	-31	-146	-150	-215	-298	-37	-23	-18	-13	-7	-13	-13	-49	-91	-102	-29	-73	-85	-119	-115	-87
	-56	-19	-19	-32	-138	-117	-59	-12	-22	-16	-42	-58	-19	-138	-197	-89	-18	-19	-26	-29	-34	-28	-22	-26	-51
Q	-25	-18	-7	-17	-10	-4	-10	-20	-22	-20	-29	-20	-23	-24	-30	-29	-28	-25	-26	-31	-35	-29	-20	-20	-22
	-22	-20	-17	-14	-9	-9	-34	-32	-15	-18	-24	-24	-21	-45	-78	-107	-164	-227	-245	-227	-362	-464	-427	-549	-132
	-724	-407	-381	-355	-360	-158	-162	-147	-74	-143	-94	-238	-70	-39	-66	-52	-42	-31	-38	-34	-60	-36	-15	-25	-156
	-21	-67	-71	-20	-10	-45	-65	-15	-14	-12	-27	-49	-126	-241	-148	-68	-106	-125	-61	-52	-75	-42	-29	-25	-63
D	-13	-46	-147	-198	-205	-247	-192	-185	-175	-652	-180	-11	-17	-24	-24	-41	-108	-110	-136	-59	-49	-21	-116	-225	-133
	-84	-61	-85	-177	-167	-54	-87	-283	-143	-118	-111	-135	-170	-212	-139	-47	-16	-33	-21	-65	-94	-59	-15	-12	-100
	-17	-42	-167	-132	-8	-84	-45	-29	-19	-32	-96	-49	-23	-23	-29	-31	-26	-31	-25	-34	-275	-190	-48	-18	-61
	-17	-16	-18	-17	-10	-4	-6	-17	-94	-100	-59	-30	-25	-20	-50	-59	-46	-21	-17	-24	-44	-46	-10	-10	-31
	-19	-60	-820	-378	-259	-185	-182	-292	-301	-258	-154	-304	-115	-30	-11	-20	-24	-80	-305	-311	-90	-46	-108	-111	-165
Q	-131	-115	-100	-98	-37	-76	-53	-28	-50	-40	-36	-32	-26	-34	-33	-23	-38	-100	-35	-12	-18	-19	-24	-26	-49
Q	-27	-27	-21	-16	-12	-5	-5	-13	-36	-27	-24	-24	-22	-21	-14	-24	-72	-130	-74	-31	-26	-22	-17	-23	-30
Mean	-124	-135	-129	-150	-138	-135	-117	-93	-104	-120	-113	-118	-82	-94	-110	-105	-97	-101	-107	-88	-83	-101	-83	-92	-109
5Q Mean	-59	-39	-30	-28	-24	-44	-31	-32	-31	-33	-73	-38	-23	-28	-42	-50	-66	-84	-42	-27	-35	-43	-20	-23	-39
5D Mean	-283	-371	-277	-354	-319	-294	-193	-129	-259	-406	-241	-110	-87	-97	-106	-149	-142	-169	-180	-155	-118	-183	-143	-139	-204

AE Index (Provisional Hourly mean values, unit nT)

August 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
Q 1	169	60	47	30	86	143	74	87	87	118	374	139	48	44	42	47	77	116	70	51	67	46	41	52	88	
2	65	64	77	49	40	41	43	97	73	58	49	53	51	106	219	262	136	77	207	234	171	46	46	44	96	
3	72	142	120	121	233	378	330	237	101	61	164	400	337	184	168	122	150	143	162	106	74	129	105	68	171	
4	43	42	96	120	60	36	61	124	160	130	57	36	45	47	89	165	177	179	125	178	248	340	166	57	116	
5	38	27	29	21	57	107	116	97	115	115	141	136	164	286	358	268	164	65	73	57	58	35	43	39	109	
Q 6	36	60	58	27	58	97	148	189	84	62	53	50	59	78	182	212	185	119	76	100	115	184	76	42	98	
7	24	39	54	42	48	121	59	65	47	56	137	158	150	297	137	143	172	193	210	124	76	157	190	338	126	
D 8	645	818	647	623	640	440	267	92	168	152	133	235	156	133	103	76	82	110	215	673	470	354	194	206	318	
D 9	323	566	389	387	495	490	275	336	450	405	334	243	350	412	302	552	451	663	374	141	350	759	273	78	392	
D 10	254	551	537	762	570	510	468	122	247	607	348	170	79	91	293	224	122	97	251	110	85	68	150	216	289	
11	167	136	166	162	254	292	446	117	86	105	94	102	339	397	302	174	108	66	29	81	159	309	304	211	192	
12	532	487	293	265	111	30	25	35	52	54	134	372	410	235	104	74	59	48	71	147	201	250	261	187	185	
13	142	296	393	644	553	413	276	232	231	195	201	184	245	336	297	193	236	57	57	63	121	231	227	697	272	
D 14	876	583	381	644	572	512	281	262	815	832	691	249	218	108	146	202	332	321	380	385	156	248	354	289	410	
15	361	550	561	546	588	609	517	233	106	160	300	463	133	128	336	88	50	156	427	204	123	235	178	70	297	
16	47	177	312	500	542	573	487	293	173	114	292	288	152	224	281	209	180	321	192	62	57	55	39	50	234	
17	99	121	102	125	106	190	312	237	275	279	577	817	313	196	473	769	639	600	559	301	113	74	59	70	309	
18	57	62	57	47	48	31	38	33	37	44	57	47	188	185	202	157	148	131	223	369	108	47	83	253	110	
19	346	325	166	72	93	304	252	336	367	102	70	44	40	35	59	51	76	130	142	58	162	187	216	221	161	
20	140	69	44	83	210	187	99	63	67	46	60	101	69	224	296	123	54	49	44	48	52	44	38	44	94	
Q 21	46	33	25	36	28	31	37	52	50	43	61	49	43	37	41	39	41	40	41	50	53	47	35	35	41	
22	36	37	26	27	27	29	52	58	32	32	40	44	31	69	120	151	195	294	384	413	591	769	669	782	205	
23	944	589	681	690	707	460	294	314	187	251	270	427	170	73	106	91	70	64	69	68	100	80	53	74	285	
24	61	127	115	49	70	97	107	48	36	34	59	89	229	401	278	126	150	174	102	99	161	83	98	94	120	
D 25	79	176	355	390	429	486	364	287	285	965	326	95	60	59	51	83	154	169	178	101	86	56	206	387	241	
26	150	92	132	264	231	92	146	313	195	158	158	240	296	333	233	79	40	60	53	99	134	94	45	45	153	
27	64	94	224	174	38	125	91	58	73	77	130	85	51	55	71	63	54	63	60	72	385	290	90	63	106	
28	57	47	36	29	31	25	31	60	144	150	90	58	54	62	104	74	66	48	48	59	70	62	37	40	62	
29	60	107	409	500	367	309	287	392	432	504	408	474	236	66	30	31	52	124	412	440	147	130	198	174	262	
Q 30	234	230	180	194	109	118	82	46	68	58	46	55	58	69	71	56	59	122	58	38	40	38	47	51	89	
Q 31	44	47	40	39	31	21	20	29	52	38	37	33	31	31	33	54	104	168	107	63	58	42	46	54	51	
Mean	200	217	217	247	239	235	196	159	170	193	190	191	155	161	178	159	147	160	174	161	154	177	147	147	160	183
5Q Mean	105	86	70	65	62	82	72	80	68	63	114	65	47	51	73	81	93	113	70	60	66	71	49	46	73	
5D Mean	435	538	461	561	541	487	331	219	393	592	366	198	172	160	179	227	228	272	279	282	229	297	235	225	329	

A0 Index (Provisional Hourly mean values, unit nT) August 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q 1	-14	13	15	5	4	-15	6	29	27	2	-71	-30	3	3	-2	-7	-14	-23	-6	1	-6	2	2	0	-3
2	0	0	3	9	15	9	2	-15	-4	13	3	10	10	4	-17	-67	-40	3	-26	-22	-4	7	6	1	-3
3	5	-8	-8	13	9	-38	-15	4	7	10	0	-51	-26	-18	-14	-5	-17	-6	-1	18	14	6	3	13	-4
4	3	-1	-1	-2	-2	3	11	18	4	14	-2	2	3	3	2	-1	-38	-30	2	9	0	-59	-22	13	-3
5	15	7	10	2	7	-1	-2	-4	11	-12	-33	-11	-16	-38	-87	-59	-46	10	14	13	12	12	4	2	-7
Q 6	4	8	12	9	5	0	13	4	8	5	7	6	3	-6	-22	-40	-48	-26	0	7	-3	-35	12	0	-3
7	-2	1	10	7	7	-2	12	6	6	15	23	3	25	-27	-10	-8	-20	-26	-28	3	15	19	-1	5	1
D 8	-80	-173	-82	-89	-62	0	42	22	5	13	-1	-10	18	6	26	1	16	0	-4	-54	-24	-26	-12	-9	-21
D 9	-33	-103	-34	-37	-72	-142	-20	-60	-94	-77	-36	-28	-37	-112	-39	-110	-39	-98	-41	31	-7	-131	-34	13	-56
D 10	7	-127	-54	-111	-69	-60	-147	-1	-24	-149	-105	-27	12	5	-61	-40	-1	-6	-63	1	13	3	-5	-33	-43
11	-9	1	-3	-19	-24	-49	-109	5	10	9	-5	4	-40	-78	-63	-44	-22	-6	9	11	4	-36	-60	-33	-22
12	-112	-87	0	6	15	5	9	11	9	3	17	-63	-65	-10	6	-6	1	0	-1	-23	-40	-28	-36	-39	-17
13	-11	0	-38	-110	-69	-8	-45	-67	-54	-41	-23	-28	1	-19	-45	-25	-43	2	11	10	7	-3	-18	-114	-30
D 14	-249	-147	-92	-127	-49	-46	-8	-17	-168	-167	-129	-23	-15	5	-10	-29	-51	-35	-48	-44	3	-28	-64	-46	-66
15	-60	-128	-112	-98	-139	-151	-148	-64	-6	-42	-57	-126	-25	0	-66	-5	12	-4	-91	-16	5	-18	-45	12	-57
16	11	-14	-69	-114	-111	-118	-127	-66	-29	-30	-100	-80	-24	-40	-55	-52	-27	-79	-20	7	3	9	1	1	-47
17	-1	-8	-4	6	13	31	20	4	-39	-47	-37	-159	-10	2	-89	-178	-100	-39	-53	-6	16	13	18	19	-26
18	8	7	3	0	5	4	8	3	-2	-1	0	0	2	-9	-15	-32	-43	-12	-16	-63	3	5	6	-26	-6
19	-39	-6	19	20	14	4	-24	-46	-114	13	10	3	6	9	15	11	-11	-26	-31	0	6	7	-10	-4	-7
20	13	14	2	8	-33	-24	-9	17	10	6	-11	-7	14	-26	-48	-27	8	5	-3	-4	-7	-5	-3	-3	-4
Q 21	-1	-1	4	0	4	10	8	5	2	0	1	3	-2	-5	-9	-8	-6	-4	-5	-5	-7	-5	-1	-1	-1
22	-3	-1	-4	0	4	4	-8	-3	0	-1	-3	-2	-6	-10	-18	-31	-66	-80	-52	-20	-66	-80	-92	-158	-29
23	-251	-112	-40	-10	-6	71	-14	9	18	-17	40	-24	14	-2	-12	-7	-7	1	-3	0	-9	2	10	11	-14
24	8	-4	-13	3	23	2	-11	8	3	3	0	-4	-11	-39	-9	-5	-31	-38	-10	-2	4	-1	19	21	-3
D 25	25	40	29	-3	9	-4	-10	-42	-32	-169	-17	35	12	4	0	0	-30	-25	-46	-8	-6	5	-13	-56	-12
26	-8	-15	-19	-45	-51	-7	-14	-126	-45	-38	-32	-14	-21	-45	-22	-8	2	-3	4	-16	-27	-12	7	9	-23
27	14	4	-55	-45	10	-21	0	0	16	5	-31	-7	1	3	5	0	1	0	4	1	-82	-45	-3	12	-8
28	11	6	0	-1	5	8	8	12	-22	-24	-14	-1	1	9	1	-22	-13	1	5	4	-8	-5	7	9	0
29	10	-6	-116	-128	-75	-31	-39	-96	-85	-6	49	-67	2	1	3	-4	1	-18	-98	-91	-16	18	-9	-24	-34
Q 30	-14	0	-10	-1	16	-17	-12	-4	-15	-11	-12	-3	2	0	2	3	-8	-39	-5	6	1	0	0	0	-5
Q 31	-4	-3	0	3	2	4	4	0	-10	-7	-5	-6	-6	-4	1	2	-19	-45	-20	0	2	-1	4	3	-4
Mean	-24	-27	-20	-27	-19	-18	-19	-14	-19	-23	-18	-22	-5	-14	-21	-25	-23	-20	-20	-8	-6	-13	-10	-12	-18
5Q Mean	-5	3	4	3	6	-3	3	6	2	-2	-16	-6	0	-2	-6	-10	-19	-27	-7	1	-2	-7	3	0	-3
5D Mean	-66	-102	-46	-73	-48	-50	-28	-19	-62	-109	-57	-10	-2	-18	-16	-35	-27	-32	-40	-14	-4	-35	-25	-26	-39

AU Index (Provisional Hourly mean values, unit nT) September 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	46	39	22	16	11	15	19	15	19	16	16	16	18	18	28	27	28	19	40	37	39	31	24	28	24
Q	23	51	42	39	19	12	25	30	30	20	14	18	25	55	61	41	32	28	33	29	29	31	38	46	31
Q	37	36	31	37	26	30	23	15	27	23	16	17	16	21	25	25	31	25	23	26	17	23	24	24	25
Q	22	17	13	14	14	31	39	53	34	27	15	17	35	63	54	58	32	33	24	23	33	44	77	148	38
D	158	143	134	146	147	258	132	39	37	64	126	94	182	244	110	132	66	169	258	235	267	246	228	251	161
D	154	206	123	31	100	83	93	33	54	127	48	32	91	103	78	151	156	64	50	56	68	106	121	99	93
D	73	69	137	147	76	69	64	52	128	277	252	178	111	138	60	55	111	116	65	114	128	47	49	28	106
D	75	88	102	153	168	191	138	113	251	177	249	176	71	71	242	290	170	128	132	93	79	61	38	27	137
D	75	79	103	160	115	85	59	66	95	70	55	109	77	90	120	69	15	20	37	27	42	36	31	36	70
D	33	32	23	21	22	24	49	41	58	78	101	69	28	16	41	56	107	101	128	210	219	237	201	92	84
D	88	128	170	195	131	155	94	133	130	175	232	195	113	76	67	53	152	174	216	222	84	110	127	82	138
D	35	54	59	62	42	67	48	30	25	50	25	56	62	42	40	37	72	57	177	103	74	167	208	127	72
D	64	49	53	62	89	108	94	119	101	57	141	154	110	77	77	55	74	89	44	46	58	38	59	83	79
D	70	57	36	62	68	56	54	30	36	34	43	42	45	43	57	26	35	44	44	33	52	73	92	110	52
D	123	113	164	223	219	239	218	198	311	311	356	228	226	327	294	272	232	161	143	72	41	42	36	35	191
D	31	58	34	41	42	72	52	91	89	161	98	63	94	55	20	17	10	13	27	68	36	28	65	89	56
D	82	56	63	78	74	57	33	37	52	53	38	45	41	23	16	16	11	25	32	35	14	20	19	15	39
Q	9	14	8	15	13	21	24	23	25	32	36	26	16	13	9	6	6	12	17	20	32	46	70	56	23
Q	36	25	28	28	42	45	63	66	26	41	23	18	19	15	12	20	18	14	20	39	26	33	39	31	31
Q	35	27	45	55	62	101	70	79	84	43	40	30	41	47	26	47	49	82	65	63	52	50	78	59	55
Q	47	24	38	49	25	31	23	20	14	13	17	47	39	17	36	42	31	38	38	46	50	73	53	38	35
Q	44	43	44	22	27	24	19	15	24	17	12	17	19	14	10	8	15	17	19	25	23	25	53	38	22
Q	61	74	60	61	37	40	32	19	17	41	77	108	110	55	91	43	61	72	170	187	144	80	112	173	80
Q	107	50	35	48	99	90	85	97	58	82	45	28	11	27	67	9	17	32	31	23	26	22	22	29	47
Q	25	24	42	64	78	76	92	101	72	32	24	17	30	48	32	27	25	29	21	21	19	13	15	16	39
Q	16	16	30	30	28	21	29	28	24	16	74	42	27	23	18	16	9	12	14	31	48	52	40	29	28
D	25	54	72	35	54	81	104	144	83	105	225	195	196	99	243	354	304	150	196	252	206	173	75	79	146
D	73	41	83	72	88	81	159	262	281	240	212	107	52	49	14	16	3	0	10	10	6	17	12	14	79
Q	14	9	5	5	3	18	23	18	10	8	4	10	7	7	4	14	10	10	10	9	10	12	18	29	11
Q	27	23	24	25	19	36	47	48	42	18	23	57	27	10	12	21	8	8	6	11	8	23	29	31	24
Mean	56	56	60	66	64	73	66	67	74	80	87	73	64	62	65	66	63	58	69	72	64	65	67	65	67
5Q Mean	27	31	24	19	14	18	19	19	21	18	16	17	17	21	22	19	18	17	23	24	26	29	33	39	22
5D Mean	100	122	120	112	120	153	112	92	111	129	176	138	130	118	148	196	169	137	170	171	140	139	117	107	134

AL Index (Provisional Hourly mean values, unit nT) September 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	-93	-72	-29	-11	-7	-9	-15	-12	-15	-28	-31	-35	-26	-27	-20	-22	-25	-35	-228	-113	-74	-22	-15	-17	-41
Q	-29	-58	-56	-52	-12	-9	-8	-10	-67	-94	-32	-48	-28	-56	-115	-38	-24	-27	-43	-7	-6	-10	-15	-24	-36
Q	-57	-57	-98	-36	-13	-4	0	-3	-44	-36	-28	-22	-18	-20	-36	-19	-41	-90	-69	-75	-38	-14	-13	-13	-35
Q	-12	-11	-9	-1	0	-14	-99	-97	-88	-28	-27	-21	-18	-19	-108	-100	-50	-58	-67	-23	-32	-76	-240	-305	-63
D	-256	-305	-231	-255	-229	-190	-70	-21	-123	-114	-144	-293	-420	-315	-74	-163	-18	-143	-562	-541	-566	-464	-360	-340	-258
D	-444	-408	-261	-85	-268	-252	-178	-397	-178	-302	-316	-48	-186	-358	-235	-396	-236	-163	-145	-143	-152	-262	-324	-233	-249
D	-146	-173	-363	-432	-130	-74	-217	-461	-420	-672	-684	-288	-328	-215	-101	-241	-326	-554	-106	-113	-339	-82	-21	-14	-271
D	-131	-275	-264	-293	-847	-667	-447	-198	-835	-774	-469	-352	-182	-84	-512	-683	-351	-264	-381	-286	-99	-119	-96	-16	-359
D	-84	-278	-214	-512	-514	-392	-221	-209	-379	-169	-108	-269	-351	-402	-340	-186	-93	-102	-131	-74	-68	-102	-34	-18	-219
D	-32	-61	-37	-24	-2	-9	-32	-91	-155	-122	-290	-129	-57	-27	-59	-169	-311	-313	-266	-180	-224	-467	-299	-96	-144
D	-69	-660	-717	-308	-139	-367	-369	-185	-284	-423	-590	-475	-254	-251	-131	-155	-416	-517	-551	-356	-90	-135	-468	-123	-335
D	-24	-138	-127	-154	-188	-91	-64	-78	-44	-87	-160	-188	-164	-70	-58	-75	-193	-158	-397	-234	-57	-262	-578	-360	-164
D	-109	-95	-159	-68	-145	-408	-363	-302	-296	-126	-492	-630	-203	-56	-174	-268	-214	-180	-53	-25	-82	-43	-70	-296	-202
D	-195	-110	-93	-85	-86	-131	-97	-85	-112	-140	-205	-162	-109	-115	-99	-119	-182	-200	-108	-81	-199	-361	-238	-174	-145
D	-150	-375	-485	-451	-495	-340	-378	-401	-580	-820	-745	-272	-680	-891	-440	-491	-494	-292	-177	-251	-18	-3	-9	-17	-386
D	-20	-52	-62	-56	-6	-27	-99	-379	-369	-183	-80	-76	-53	-27	-35	-14	-20	-27	-29	-65	-107	-10	-126	-278	-92
D	-133	-26	-41	-135	-69	-4	-1	-4	-18	-73	-110	-167	-109	-33	-15	-24	-21	-29	-80	-98	-66	0	0	-1	-53
D	-5	-3	-5	-2	-1	-8	-8	-7	-11	-27	-96	-34	-22	-21	-18	-15	-15	-27	-40	-17	-24	-32	-52	-21	-21
D	-5	-13	-48	-8	-11	-31	-50	-49	-13	-19	-13	-16	-18	-18	-17	-17	-32	-108	-30	-32	-17	-42	-55	-27	-29
D	-51	-29	-96	-142	-109	-201	-353	-139	-41	-15	-38	-23	-19	-97	-166	-206	-123	-273	-72	-11	-68	-38	-42	-71	-101
D	-20	-11	-8	-20	-16	-8	-5	-10	-15	-17	-22	-63	-88	-26	-47	-199	-283	-199	-67	-53	-71	-98	-115	-68	-64
D	-26	-8	-11	-8	-2	-5	-8	-7	-12	-13	-14	-20	-30	-18	-19	-15	-12	-11	-9	-10	-11	-3	0	-11	-12
D	-106	-304	-143	-69	-91	-61	-26	-10	-12	-40	-270	-280	-208	-473	-396	-215	-225	-230	-337	-312	-81	-118	-248	-282	-189
D	-116	-130	-168	-86	-311	-266	-170	-153	-141	-398	-201	-48	-28	-28	-68	-104	-84	-144	-48	-45	-13	-18	-21	-31	-118
D	-16	-1	-12	-84	-114	-117	-136	-87	-47	-33	-22	-60	-63	-54	-53	-199	-98	-89	-39	-8	-5	-8	-8	-6	-57
D	-6	-7	-55	-30	-46	-58	-12	-8	-124	-117	-345	-156	-80	-33	-15	-20	-21	-22	-84	-62	-153	-74	-20	-10	-65
D	-23	-105	-180	-32	-31	-224	-251	-207	-147	-166	-611	-433	-325	-228	-457	-999	-898	-767	-709	-1123	-676	-589	-85	-24	-387
D	-54	-39	-84	-162	-151	-237	-509	-606	-467	-413	-452	-299	-319	-179	-93	-42	-35	-31	-30	-12	-10	-15	-13	-18	-178
D	-18	-12	-10	-10	-9	-14	-39	-27	-11	-14	-18	-21	-22	-19	-21	-24	-23	-22	-21	-20	-15	-14	-17	-21	-18
D	-15	-20	-18	-13	-7	-19	-102	-91	-37	-13	-30	-155	-109	-31	-24	-23	-40	-21	-15	-17	-16	-45	-186	-75	-47
Mean	-81	-127	-136	-121	-134	-141	-144	-144	-169	-182	-221	-169	-150	-139	-131	-174	-163	-169	-163	-146	-112	-117	-125	-99	-144
5Q Mean	-34	-30	-22	-16	-6	-9	-15	-12	-23	-35	-38	-31	-25	-28	-38	-22	-19	-24	-68	-33	-26	-16	-19	-18	-25
5D Mean	-184	-350	-330	-194	-302	-340	-263	-201	-313	-355	-426	-320	-273	-247	-281	-479	-383	-370	-469	-489	-316	-313	-266	-147	-317

AE Index (Provisional Hourly mean values, unit nT) September 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	140	111	51	28	20	25	34	27	35	45	48	52	45	46	49	50	54	55	269	151	114	54	40	47	66
Q	53	109	99	91	32	21	21	36	99	115	47	67	54	111	177	80	57	56	77	38	37	42	55	71	68
	95	93	130	74	40	36	22	19	72	60	44	40	35	41	62	46	73	116	93	102	56	38	38	61	
	35	29	23	16	14	45	139	151	123	56	45	39	54	82	163	159	82	92	93	47	67	122	318	454	
D	415	449	367	402	377	449	203	62	161	180	270	388	603	560	185	296	85	313	821	777	834	711	589	591	420
D	598	616	384	117	370	336	272	432	233	430	365	80	278	462	314	548	393	228	196	200	221	369	446	333	343
	220	242	502	580	206	144	282	514	550	950	937	467	440	355	163	297	438	672	173	228	469	131	71	44	378
D	206	359	367	447	1016	858	585	312	1087	952	720	529	254	157	754	974	522	393	514	380	180	181	135	44	497
	160	357	318	673	630	478	281	275	475	240	164	380	429	493	461	256	109	123	169	102	111	140	66	55	289
10	66	94	61	46	25	34	83	133	214	201	392	199	86	44	102	226	420	415	395	391	444	724	501	190	229
D	157	788	888	505	271	523	464	319	416	599	823	672	368	328	199	209	570	692	767	579	176	247	596	207	473
	60	193	187	218	232	159	114	110	69	138	186	244	227	113	100	114	267	216	575	338	133	430	787	488	237
	174	145	212	131	235	517	458	422	399	185	634	785	314	134	253	324	288	270	98	73	142	83	129	380	283
	266	168	130	148	155	188	152	116	149	176	250	206	155	159	157	145	219	245	153	116	253	436	332	286	198
	274	488	650	675	714	580	597	599	892	1132	1103	501	906	1219	735	764	728	454	320	324	60	47	47	53	578
	52	111	96	98	50	100	153	470	459	345	179	140	148	84	56	32	30	41	57	134	145	38	192	368	149
	216	83	105	234	143	62	35	42	72	127	148	213	151	57	32	40	34	55	113	134	81	20	20	17	93
	16	18	15	19	16	30	33	32	38	59	133	61	38	34	29	22	22	39	58	37	56	79	123	79	45
Q	43	39	77	37	54	77	115	117	40	62	37	35	38	34	30	38	50	122	51	71	44	76	96	68	60
	87	57	142	198	173	303	424	220	126	60	78	53	60	145	192	253	173	356	138	76	121	90	122	132	157
	68	36	47	71	41	40	29	31	31	39	39	110	128	44	85	242	315	238	106	100	123	172	169	108	100
Q	70	52	57	31	30	29	27	24	38	31	26	38	50	33	30	25	29	29	30	35	35	29	20	50	35
	168	379	204	132	130	102	59	30	30	83	348	389	318	528	488	260	288	303	508	501	226	200	362	455	270
	224	180	204	136	411	357	256	251	200	481	248	78	40	57	136	113	102	177	80	70	41	41	44	61	166
	42	26	55	149	193	195	229	189	120	67	47	77	94	104	86	228	123	119	61	30	25	23	24	23	97
	23	24	85	60	76	80	42	38	149	134	420	199	108	57	34	37	31	35	100	94	203	128	61	40	94
D	49	159	252	68	86	306	357	352	231	272	837	628	522	328	701	1354	1203	918	905	1376	883	762	161	103	534
	127	81	168	235	241	319	669	870	749	653	664	406	372	229	108	59	39	31	42	23	18	33	27	32	258
Q	34	23	17	16	12	33	63	46	22	23	23	31	30	27	26	40	34	33	33	31	26	27	36	52	31
	44	44	42	38	27	57	151	140	81	32	54	213	137	43	37	46	49	30	23	30	25	69	217	107	72
Mean	139	185	197	189	200	216	211	212	245	263	310	244	216	203	198	242	227	228	233	219	178	184	194	165	212
5Q Mean	62	62	47	37	22	27	35	33	46	54	55	49	43	50	62	43	39	42	93	58	53	46	54	59	49
5D Mean	285	474	451	307	424	494	376	295	425	486	603	459	405	367	430	676	554	508	640	662	458	454	385	255	453

AO Index (Provisional Hourly mean values, unit nF) September 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
Q	-22	-15	-3	1	1	2	1	1	1	-5	-7	-8	-3	-3	3	2	1	-7	-93	-37	-16	4	4	4	4	-8
Q	-2	-3	-6	-6	3	1	1	7	-18	-36	-8	-14	-1	0	-26	1	3	0	-4	10	11	9	11	10	-2	
Q	-10	-10	-33	0	6	12	10	5	-8	-6	-5	-2	0	0	-5	2	-5	-32	-22	-23	-10	3	4	4	-5	
Q	4	2	1	6	6	8	-29	-21	-26	0	-6	-1	8	21	-26	-20	-8	-11	-20	0	0	-15	-81	-78	-12	
D	-49	-81	-47	-53	-40	33	30	8	-43	-25	-9	-98	-118	-35	17	-15	23	13	-151	-152	-149	-108	-66	-44	-48	
D	-144	-100	-68	-26	-84	-84	-42	-181	-61	-86	-133	-7	-47	-126	-77	-122	-39	-48	-46	-42	-41	-77	-101	-66	-77	
D	-36	-51	-112	-141	-26	-2	-76	-204	-146	-197	-215	-54	-108	-38	-20	-92	-107	-218	-20	0	-105	-17	13	6	-82	
D	-28	-95	-80	-69	-339	-237	-154	-42	-292	-297	-109	-87	-55	-6	-134	-195	-90	-67	-123	-95	-9	-28	-28	4	-111	
D	-4	-99	-54	-174	-198	-153	-80	-71	-141	-48	-26	-79	-136	-155	-110	-57	-38	-40	-46	-23	-12	-32	-1	8	-74	
D	0	-13	-6	-1	9	7	8	-24	-47	-21	-94	-29	-13	-5	-9	-56	-102	-105	-68	14	-2	-104	-48	-1	-29	
D	9	-265	-272	-55	-4	-105	-137	-26	-77	-123	-178	-139	-70	-87	-31	-50	-131	-171	-166	-66	-2	-12	-170	-20	-98	
D	5	-41	-33	-45	-72	-12	-7	-24	-9	-18	-67	-66	-50	-13	-8	-18	-60	-49	-109	-64	8	-47	-184	-115	-46	
D	-22	-22	-52	-2	-27	-149	-134	-91	-97	-34	-175	-237	-46	9	-48	-106	-69	-44	-4	10	-11	-2	-5	-106	-61	
D	-62	-25	-28	-11	-8	-37	-21	-27	-37	-52	-80	-59	-31	-35	-20	-45	-73	-77	-31	-23	-72	-143	-72	-31	-46	
D	-13	-130	-160	-113	-137	-50	-79	-100	-134	-254	-193	-21	-226	-282	-72	-108	-130	-65	-16	-89	10	19	12	8	-97	
D	5	2	-13	-7	17	21	-23	-143	-139	-10	8	-6	20	13	-7	1	-4	-6	-1	1	-35	8	-30	-94	-17	
D	-24	14	10	-37	2	25	15	15	16	-10	-35	-60	-33	-5	0	-3	-4	-1	-23	-31	-24	10	8	6	-7	
D	1	4	1	6	5	5	7	7	6	2	-29	-3	-2	-3	-3	-4	-3	-6	-11	1	4	7	8	17	0	
D	15	5	-9	9	14	7	6	8	5	10	4	0	0	0	-2	1	-6	-46	-4	3	4	-4	-7	5	0	
D	-7	0	-25	-43	-23	-49	-141	-29	21	13	0	3	10	-24	-70	-78	-36	-95	-3	24	-7	6	17	-5	-22	
D	13	6	14	14	4	10	8	5	0	-1	-2	-7	-24	-4	-5	-78	-125	-79	-14	-3	-10	-11	-30	-14	-14	
D	8	17	15	6	11	8	4	3	5	2	0	-1	-5	-1	-3	-3	1	2	4	7	5	10	9	12	5	
D	-22	-14	-41	-3	-26	-10	3	4	2	0	-95	-85	-48	-208	-152	-85	-81	-78	-82	-61	31	-18	-67	-53	-54	
D	-4	-39	-66	-18	-105	-87	-42	-27	-41	-157	-78	-10	-8	0	0	-46	-32	-55	-8	-10	6	1	0	0	-34	
D	4	11	14	-9	-17	-20	-22	6	12	0	0	-21	-16	-3	-10	-85	-35	-29	-8	6	6	2	3	4	-8	
D	4	3	-12	0	-8	-18	8	9	-49	-50	-135	-56	-26	-5	1	-1	-5	-4	-34	-15	-51	-10	9	9	-18	
D	0	-24	-53	1	11	-70	-73	-30	-31	-30	-192	-118	-64	-64	-106	-321	-296	-307	-256	-435	-234	-207	-4	26	-120	
D	9	1	0	-44	-30	-76	-174	-171	-92	-86	-119	-95	-133	-64	-39	-12	-15	-15	-8	0	-1	0	0	-1	-48	
D	-1	-1	-2	-2	-2	-2	-7	-4	0	-2	-6	-5	-6	-5	-8	-4	-6	-5	-4	-4	-2	0	0	4	-3	
D	5	1	2	6	5	8	-26	-20	2	2	-3	-48	-40	-10	-5	0	-15	-6	-4	-2	-3	-10	-78	-22	-11	
Mean	-12	-35	-37	-27	-35	-33	-38	-38	-47	-50	-66	-47	-42	-37	-32	-53	-49	-55	-45	-36	-23	-25	-29	-17	-38	
5Q Mean	-3	0	1	1	3	3	1	2	-1	-7	-10	-6	-3	-2	-7	-1	0	-3	-21	-4	0	6	6	9	-1	
5D Mean	-42	-113	-104	-40	-91	-92	-75	-54	-100	-112	-124	-89	-70	-63	-66	-140	-106	-116	-148	-158	-87	-86	-73	-20	-90	

AU Index (Provisional Hourly mean values, unit nT)

October 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	15	17	16	11	10	9	8	11	19	13	12	11	10	11	10	16	20	19	20	26	82	90	117	185	32
	230	52	32	24	23	46	81	112	112	151	104	56	84	85	140	71	114	161	185	148	113	203	239	178	114
	70	111	107	123	93	38	21	58	68	85	109	93	182	110	149	185	146	189	227	232	130	50	148	132	119
D	187	155	119	103	120	283	349	188	101	167	125	239	262	148	234	187	127	241	217	123	104	134	145	133	175
	134	90	76	112	66	50	52	77	69	185	122	93	108	163	110	40	50	68	51	46	41	75	140	101	88
	51	39	81	81	82	87	51	43	115	101	121	93	91	54	132	123	176	143	65	58	63	97	89	160	91
D	173	154	189	104	88	95	220	111	87	200	137	117	116	131	73	62	52	52	41	37	43	45	121	90	106
D	165	129	74	103	96	97	123	115	96	118	145	118	169	77	102	132	155	208	202	126	124	101	87	50	121
	52	48	30	32	109	124	101	142	181	118	128	139	125	139	90	120	65	32	75	138	152	145	202	207	112
	158	55	66	77	90	70	79	138	62	27	17	37	51	39	26	26	45	28	17	10	13	14	15	15	49
	27	15	46	70	111	108	113	74	69	51	20	13	61	76	144	107	106	75	54	43	15	20	44	69	64
	113	127	85	59	128	144	125	100	204	160	146	101	161	70	36	55	48	86	78	81	52	66	103	129	102
	160	120	83	45	25	33	42	42	42	68	113	116	75	74	79	94	143	86	66	37	49	64	95	84	76
	68	53	35	46	28	27	26	23	24	23	35	31	40	27	24	36	26	23	40	15	18	23	39	52	33
	39	23	21	17	26	31	26	27	26	14	8	21	65	103	73	75	39	16	43	21	23	64	57	37	37
	47	25	46	38	31	47	26	16	25	16	32	95	134	120	65	34	35	76	188	109	140	127	119	108	71
	112	85	77	92	101	123	121	122	131	52	19	15	31	52	65	83	65	33	25	27	18	29	39	25	64
D	18	31	39	56	64	71	56	26	21	19	34	69	126	84	91	115	268	224	145	157	107	-27	-29	11	74
	79	105	183	38	103	128	111	69	255	147	78	114	106	40	53	40	26	34	36	37	44	46	44	39	81
D	18	15	22	43	113	141	124	86	114	164	100	156	121	75	66	173	111	55	171	221	154	65	71	45	101
	79	46	37	31	28	47	81	82	141	98	115	77	81	108	101	74	80	40	34	72	56	45	84	92	72
	82	72	67	86	55	64	57	53	45	44	31	30	46	82	76	46	70	81	108	101	86	40	119	171	71
	153	121	165	136	106	138	101	74	34	104	94	103	96	149	221	196	123	130	130	163	207	49	38	40	120
	46	97	39	19	12	9	16	16	11	16	18	51	59	113	96	33	89	51	92	107	75	37	25	16	48
Q	25	75	81	51	67	76	93	89	47	39	21	18	31	27	28	20	16	16	12	11	14	12	11	11	37
	11	10	9	10	14	19	21	18	17	13	17	16	18	21	35	24	17	26	24	23	40	99	100	54	27
	18	47	56	36	22	23	17	14	12	8	9	16	23	42	30	75	49	34	23	16	17	23	50	73	31
Q	28	27	29	28	20	20	12	14	13	14	13	14	15	17	22	20	18	17	19	17	19	21	22	27	19
Q	28	22	15	24	33	41	31	35	53	35	54	39	19	14	7	9	11	15	14	18	18	19	20	18	25
	16	17	17	27	36	31	30	34	25	19	39	45	88	93	271	264	239	290	63	39	83	49	69	144	85
	126	73	143	111	48	32	27	52	56	46	18	7	24	52	34	99	67	150	182	197	156	127	124	104	86
Mean	81	66	67	59	62	72	75	66	73	74	65	69	84	77	86	84	83	87	85	79	72	62	82	84	75
5Q Mean	21	30	30	24	28	33	33	33	29	22	23	19	18	18	20	17	16	18	17	19	34	48	54	59	28
5D Mean	112	96	88	81	96	137	174	105	83	133	108	139	158	103	113	133	142	156	155	132	106	63	79	69	115

AL Index (Provisional Hourly mean values, unit nT) October 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q 1	-8	-6	-1	-1	-1	-1	-1	-1	-4	-9	-11	-13	-16	-18	-19	-18	-23	-24	-40	-30	-176	-251	-204	-207	-45
2	-89	-57	-13	0	-4	-37	-223	-216	-144	-43	-16	-108	-108	-558	-415	-130	-174	-136	-204	-141	-127	-620	-574	-116	-173
3	-23	-215	-509	-247	-129	-27	-30	-78	-243	-249	-195	-412	-283	-318	-357	-653	-305	-463	-577	-404	-199	-86	-312	-198	-271
D 4	-374	-140	-122	-230	-61	-264	-203	-24	-108	-386	-902	-923	-581	-440	-688	-685	-377	-338	-285	-438	-345	-500	-501	-387	-388
5	-328	-242	-133	-324	-131	-50	-183	-116	-325	-484	-481	-371	-887	-404	-173	-89	-154	-190	-119	-130	-46	-240	-614	-240	-269
6	-35	-26	-116	-314	-254	-286	-169	-86	-388	-1029	-314	-171	-376	-264	-497	-362	-366	-411	-196	-175	-244	-324	-255	-604	-303
7	-473	-339	-335	-307	-164	-471	-467	-300	-91	-501	-707	-606	-461	-399	-328	-245	-219	-256	-189	-311	-282	-216	-307	-239	-345
D 8	-506	-290	-104	-261	-242	-259	-323	-234	-71	-279	-657	-1021	-713	-179	-212	-571	-396	-676	-650	-407	-500	-188	-164	-72	-371
9	-29	-38	-28	-25	-152	-323	-296	-436	-547	-591	-855	-435	-303	-236	-338	-512	-167	-155	-217	-342	-407	-296	-486	-378	-316
10	-264	-43	-49	-130	-342	-388	-532	-207	-46	-14	-30	-47	-94	-31	-25	-28	-30	-19	-17	-18	-19	-13	-7	-3	-100
11	-2	-4	-31	-278	-454	-300	-212	-287	-134	-13	-13	-30	-52	-295	-437	-314	-275	-282	-46	-49	-13	-26	-138	-186	-161
12	-270	-213	-231	-106	-375	-467	-246	-431	-709	-593	-443	-539	-520	-162	-91	-41	-140	-136	-237	-160	-120	-195	-303	-408	-297
13	-324	-209	-134	-14	-3	-13	-45	-171	-210	-159	-175	-125	-23	-39	-147	-266	-307	-210	-130	-48	-228	-258	-202	-65	-147
14	-37	-38	-50	-30	-25	-5	-34	-117	-29	-30	-46	-20	-82	-59	-40	-74	-75	-112	-212	-91	-3	-1	-3	-150	-57
15	-88	-3	-3	-18	-47	-9	-6	-42	-11	-9	-12	-19	-202	-219	-258	-228	-94	-13	2	0	-16	-174	-196	-26	-70
16	-1	-9	-28	-92	-46	-3	-1	-2	-15	-13	-56	-235	-212	-117	-58	-61	-112	-280	-429	-272	-128	-108	-116	-143	-106
17	-76	-86	-71	-104	-263	-311	-140	-344	-206	-87	-77	-41	-33	-105	-279	-200	-194	-12	-4	-8	-4	-19	-35	-32	-114
18	-30	-58	-173	-108	-76	-40	-14	-1	-11	-29	-129	-247	-296	-409	-164	-160	-400	-441	-149	-148	-449	-792	-772	-695	-241
19	-508	-553	-610	-461	-570	-395	-238	-217	-415	-232	-113	-43	-25	-32	-47	-26	-22	-13	-22	-18	-2	1	0	-9	-190
D 20	-7	-6	-4	-116	-677	-363	-148	-52	-133	-480	-777	-435	-329	-457	-256	-518	-524	-67	-386	-537	-260	-64	-34	-66	-279
21	-165	-118	-32	-24	-20	-29	-145	-350	-368	-214	-275	-304	-283	-426	-339	-154	-393	-317	-148	-209	-227	-150	-257	-263	-217
22	-132	-251	-147	-173	-155	-87	-140	-357	-293	-85	-63	-104	-169	-260	-211	-123	-230	-241	-270	-384	-214	-65	-218	-287	-194
23	-409	-444	-317	-401	-395	-372	-244	-83	-39	-94	-431	-543	-470	-393	-394	-306	-203	-313	-538	-538	-355	-41	-37	-44	-309
24	-279	-230	-21	-10	-11	-9	-5	-7	-55	-66	-138	-192	-275	-360	-147	-110	-523	-252	-221	-198	-115	-53	-18	-7	-137
Q 25	-48	-164	-165	-271	-238	-167	-105	-37	-33	-26	-38	-27	-33	-72	-31	-55	-42	-11	-8	-11	-12	-11	-8	-5	-67
Q 26	-5	-5	-8	-7	-4	-1	0	-5	-36	-108	-21	-21	-35	-36	-16	-38	-46	-26	-10	-22	-63	-98	-34	-3	-27
27	-3	-18	-63	-21	-1	0	0	-1	0	-3	-6	-8	-11	-99	-262	-351	-158	-13	-4	-6	-5	-6	-32	-119	-49
Q 28	-4	0	-4	-3	-1	0	-5	-1	-1	-3	-4	-8	-9	-9	-13	-15	-15	-9	-8	-9	-31	-19	-5	-8	-8
Q 29	-5	1	0	0	1	-26	-36	-123	-122	-105	-115	-74	-21	-22	-12	-13	-12	-9	-11	-7	-7	-4	-3	-30	-30
30	-4	-7	-10	-11	-7	-3	0	0	1	-2	-65	-123	-159	-296	-566	-553	-543	-382	-59	-39	-114	-170	-182	-268	-148
31	-324	-323	-675	-299	-85	-81	-197	-275	-132	-85	-50	-40	-26	-51	-105	-498	-227	-386	-401	-301	-202	-281	-213	-95	-223
Mean	-156	-131	-137	-141	-158	-153	-135	-148	-160	-197	-233	-232	-228	-218	-223	-238	-217	-199	-186	-175	-158	-169	-200	-171	-182
5Q Mean	-14	-35	-35	-56	-48	-39	-29	-33	-39	-50	-37	-28	-22	-31	-18	-27	-27	-15	-15	-15	-57	-76	-50	-45	-35
5D Mean	-278	-152	-159	-204	-244	-279	-231	-122	-82	-335	-634	-646	-476	-376	-329	-435	-383	-355	-331	-368	-367	-352	-355	-291	-324

AE Index (Provisional Hourly mean values, unit nT)

October 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q 1	23	24	18	13	12	10	10	13	24	24	24	25	27	29	29	34	44	43	61	57	259	342	321	392	77
2	320	110	46	23	20	52	119	335	330	296	148	73	193	644	555	202	288	298	390	290	242	825	815	295	288
3	94	327	618	372	223	66	52	137	313	336	305	506	465	429	506	839	451	653	806	638	330	137	460	331	391
D 4	562	296	242	334	182	547	553	212	209	554	1029	1162	843	589	924	873	504	580	503	563	450	635	647	541	564
5	463	333	210	437	198	101	236	193	396	670	604	465	995	567	284	129	205	259	170	177	89	315	755	342	358
6	87	66	198	397	336	375	221	130	504	1130	437	265	468	319	629	485	542	556	261	234	308	422	345	766	395
D 7	647	495	586	413	252	567	688	412	179	702	845	724	578	530	401	308	271	310	231	349	325	262	429	330	451
D 8	672	351	178	365	338	357	446	349	168	398	803	1140	883	257	314	703	552	885	854	535	624	291	253	123	493
9	82	87	59	57	262	447	397	578	729	711	984	575	429	376	428	632	232	187	292	482	560	441	688	587	429
10	422	98	116	208	433	458	613	346	109	42	49	85	145	71	51	54	75	47	35	29	33	27	24	19	150
11	29	20	78	349	566	408	326	362	204	66	34	44	114	372	582	421	381	358	101	92	29	47	183	255	226
12	383	341	165	197	504	612	372	532	914	754	591	640	683	233	128	96	189	222	316	243	173	261	406	538	401
13	486	330	237	60	29	47	89	215	253	229	289	242	99	113	226	361	450	297	197	86	278	323	298	150	224
14	106	92	85	76	54	33	62	142	54	54	83	52	123	87	65	111	101	136	253	107	21	24	43	203	90
15	128	26	24	36	73	40	34	70	38	25	21	41	268	322	332	304	133	30	41	21	40	239	255	65	109
16	49	35	75	131	77	50	27	19	42	31	89	331	348	237	124	95	148	357	619	382	270	236	236	252	177
17	189	172	149	197	365	434	262	467	338	140	98	56	64	158	345	283	259	46	31	36	22	49	75	59	179
18	49	90	213	165	141	113	71	28	33	49	165	317	423	495	256	275	669	666	294	305	556	764	743	707	316
19	538	659	793	500	675	524	350	286	672	380	192	158	131	73	101	67	49	48	58	55	47	44	44	49	273
D 20	26	22	27	159	791	504	273	139	247	646	878	592	452	532	323	692	635	123	558	759	415	130	106	112	381
21	246	165	70	56	49	78	228	433	510	313	392	382	364	535	440	229	474	357	184	282	285	196	341	356	290
22	214	325	216	261	211	152	199	411	339	130	95	136	215	342	288	169	300	322	379	486	301	105	338	458	266
23	563	567	484	538	502	512	346	157	74	199	526	646	567	543	615	503	327	444	669	702	563	91	76	85	429
24	327	328	60	30	23	18	22	24	66	83	156	243	334	473	243	143	613	304	314	305	191	91	44	24	186
Q 25	74	239	247	322	306	243	199	127	81	66	60	45	65	100	60	75	58	28	21	24	28	25	21	17	105
26	18	16	18	18	19	20	23	23	54	122	40	37	53	57	52	63	63	52	34	47	104	198	135	59	55
27	22	67	119	57	24	21	16	15	13	13	16	24	35	142	293	426	208	48	28	24	23	30	83	193	81
28	33	27	34	31	22	20	19	17	14	18	18	23	24	26	36	36	33	28	29	27	51	41	28	36	28
Q 29	34	25	15	24	31	68	69	159	177	141	171	114	42	37	19	23	23	25	26	26	26	24	23	22	56
30	21	25	27	38	43	34	29	34	24	22	105	169	248	390	837	819	783	672	123	79	198	220	252	413	234
31	451	397	819	411	133	114	225	327	189	133	70	48	51	103	140	598	295	536	584	499	359	410	338	201	310
Mean	238	198	205	201	222	226	212	215	235	273	300	301	313	296	310	324	301	287	272	256	232	233	284	257	258
5Q Mean	36	66	66	81	78	72	64	67	70	74	62	48	42	49	39	46	44	35	34	36	93	126	105	105	64
5D Mean	391	230	249	287	340	417	406	228	167	469	744	787	635	480	443	570	526	512	488	502	474	416	435	362	441

AO Index (Provisional Hourly mean values, unit nT) October 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
Q	3	5	7	4	4	3	2	5	7	2	0	0	-2	-2	-3	0	-1	-2	-9	-1	-46	-79	-43	-10	-6
	69	-2	8	11	12	20	21	-54	-51	3	30	19	-12	-236	-136	-29	-29	12	-9	3	-6	-208	-167	30	-29
	23	-51	-200	-61	-17	5	-3	-9	-86	-81	-43	-158	-49	-103	-103	-233	-78	-136	-174	-85	-33	-17	-81	-32	-75
D	-93	6	-1	-63	29	9	72	82	-3	-108	-388	-341	-159	-145	-226	-248	-124	-47	-33	-156	-120	-182	-177	-116	-105
	-96	-75	-27	-105	-32	0	-65	-19	-127	-148	-179	-138	-388	-119	-31	-24	-51	-59	-33	-41	-2	-82	-236	-68	-89
	7	6	-16	-115	-85	-98	-58	-21	-136	-462	-96	-38	-141	-104	-181	-119	-94	-133	-64	-57	-90	-113	-82	-221	-105
D	-149	-91	-102	-100	-37	-187	-122	-93	-2	-149	-243	-243	-172	-133	-126	-90	-82	-101	-73	-136	-118	-85	-92	-73	-118
D	-169	-44	-14	-78	-80	-99	-88	12	-79	-255	-451	-271	-50	-54	-218	-119	-232	-223	-139	-187	-42	-37	-11	-124	-101
	10	5	1	3	-21	-98	-96	-146	-182	-235	-362	-147	-88	-47	-123	-195	-50	-60	-69	-101	-126	-75	-141	-84	-101
	-52	5	8	-25	-125	-158	-225	-33	7	6	-6	-4	-20	4	0	0	7	4	0	-3	-2	0	3	5	-25
	12	5	7	-103	-170	-95	-48	-105	-32	18	3	-8	4	-108	-145	-103	-83	-102	3	-2	0	-2	-46	-58	-48
	-77	-42	-71	-23	-122	-161	-60	-164	-251	-215	-147	-218	-178	-45	-26	7	-45	-23	-78	-38	-33	-64	-99	-139	-96
	-81	-44	-35	15	10	9	-1	-64	-83	-45	-31	-4	25	17	-33	-85	-81	-61	-31	-4	-88	-96	-52	9	-34
	15	7	-7	7	1	10	-3	-46	-2	-3	-5	5	-20	-15	-7	-18	-24	-44	-85	-37	7	11	17	-49	-11
	-24	9	9	0	-10	10	9	-7	6	2	-1	1	-67	-57	-91	-75	-26	1	22	11	3	-54	-68	5	-16
	22	8	8	-26	-7	21	12	6	4	1	-11	-69	-38	1	3	-13	-37	-101	-119	-80	5	9	1	-17	-17
	17	0	3	-5	-80	-93	-8	-110	-36	-17	-28	-12	0	-26	-105	-57	-63	9	10	9	6	4	1	-3	-24
	-5	-13	-66	-25	-5	15	20	12	4	-4	-47	-88	-84	-161	-36	-22	-65	-107	-1	4	-170	-409	-401	-341	-83
D	-214	-223	-212	-211	-232	-133	-63	-73	-79	-41	-17	35	40	4	2	6	2	10	6	9	20	23	22	15	-54
	5	4	8	-35	-281	-110	-11	16	16	-157	-338	-139	-103	-190	-94	-171	-205	-6	-106	-157	-52	0	18	-10	-88
	-42	-35	2	3	4	8	-81	-133	-112	-57	-79	-112	-100	-158	-118	-39	-156	-137	-56	-67	-84	-52	-86	-84	-72
	-24	-88	-39	-42	-49	-11	-40	-151	-123	-20	-15	-36	-60	-88	-67	-37	-78	-79	-80	-141	-63	-12	-49	-57	-60
	-127	-160	-74	-131	-143	-116	-70	-4	-2	4	-168	-219	-186	-121	-86	-54	-39	-90	-203	-186	-73	3	0	-2	-94
	-115	-66	8	4	0	5	4	4	-21	-24	-59	-69	-107	-122	-24	-37	-216	-100	-63	-44	-19	-7	3	4	-44
Q	-11	-43	-41	-109	-84	-44	-6	25	7	6	-8	-3	-1	-21	0	-16	-12	2	1	0	0	0	1	2	-14
	2	2	0	1	4	8	10	5	-8	-46	-1	-2	-7	-7	8	-6	-13	0	6	0	-11	1	32	25	0
	7	14	-3	7	10	12	9	6	5	2	0	3	5	-28	-115	-136	-53	10	8	4	5	8	8	-23	-9
Q	12	13	11	11	9	3	6	5	5	5	3	2	2	3	4	2	1	3	5	3	-5	0	8	9	5
Q	11	10	6	11	17	7	-2	-43	-33	-35	-29	-16	0	-4	-2	-1	0	2	1	5	5	7	8	7	-2
	5	4	2	7	13	14	14	16	13	8	-12	-37	-35	-101	-147	-143	-150	-45	2	0	-14	-59	-55	-61	-31
	-98	-124	-265	-92	-17	-24	-83	-110	-37	-19	-15	-15	0	0	-35	-199	-79	-117	-108	-51	-22	-76	-43	4	-68
Mean	-37	-32	-35	-40	-47	-40	-29	-40	-43	-60	-83	-80	-71	-69	-67	-75	-65	-55	-50	-47	-42	-53	-59	-43	-53
5Q	3	-2	-3	-16	-10	-3	1	0	-4	-13	-7	-3	-1	-6	1	-4	-5	1	0	1	-11	-14	1	6	-3
5D	-82	-27	-35	-60	-73	-70	-28	-8	0	-99	-262	-252	-157	-135	-107	-149	-119	-98	-87	-116	-129	-143	-137	-110	-103

Date	AU Index (Provisional Hourly mean values, unit nF)											November 1995											23	Mean	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			22
D	86	99	151	196	219	217	260	140	149	110	85	80	83	97	88	30	25	32	141	160	105	63	85	89	116
D	48	76	58	155	119	155	163	114	99	104	80	145	91	51	82	74	51	91	31	26	26	25	23	19	79
D	14	14	19	20	13	44	37	45	39	18	36	11	14	13	6	7	10	8	6	9	8	3	8	5	17
D	7	8	13	11	18	46	61	65	14	35	30	71	118	138	192	247	128	68	84	20	6	13	22	43	59
D	102	142	121	74	46	14	19	11	14	26	30	86	107	65	121	198	69	63	101	90	104	169	136	70	82
D	136	172	117	66	95	69	108	134	65	55	56	93	66	99	40	104	98	74	102	55	55	76	65	91	87
D	85	48	40	55	94	60	70	54	111	82	111	149	147	116	50	51	26	16	27	28	34	39	23	29	64
D	35	49	49	48	47	65	49	43	26	21	19	21	56	37	15	16	18	23	24	18	16	22	29	35	32
Q	27	18	27	23	22	17	23	22	15	18	13	6	7	28	35	77	42	16	12	14	11	14	11	13	21
Q	13	22	39	25	38	17	18	22	18	20	8	9	10	19	35	27	29	21	14	21	11	14	28	35	21
Q	31	52	77	67	25	14	12	13	13	9	11	28	28	19	16	14	12	16	16	43	45	76	141	81	36
Q	132	89	65	62	51	32	46	52	113	63	91	158	98	42	26	19	19	37	75	127	40	34	31	17	63
Q	13	27	14	14	13	18	18	19	24	20	7	8	14	46	49	21	34	57	43	19	15	13	13	14	22
Q	32	66	69	52	55	49	30	20	28	16	17	12	25	18	9	22	20	11	10	14	15	31	70	57	31
Q	33	28	27	36	60	80	61	76	37	21	8	9	8	25	14	20	20	24	10	7	6	6	6	7	26
Q	8	13	20	25	28	28	38	27	16	14	14	9	13	27	58	24	11	11	8	8	9	11	22	39	20
Q	107	85	108	152	116	62	41	48	37	39	26	35	24	17	15	19	11	8	10	9	15	16	18	28	43
Q	28	16	22	20	23	14	10	12	10	18	14	10	15	12	9	15	13	12	8	7	14	47	51	52	19
Q	93	96	110	70	63	60	47	51	34	22	12	16	18	43	22	23	7	9	14	25	51	60	49	33	43
Q	43	40	31	25	28	52	37	68	58	26	39	44	21	23	14	8	5	6	6	5	7	22	63	57	30
Q	24	18	15	19	24	19	20	41	30	16	5	5	7	9	13	18	11	13	10	11	10	13	24	22	17
Q	31	20	22	16	27	27	18	17	15	17	13	38	26	16	17	48	85	29	22	21	20	20	26	49	27
Q	68	27	25	30	22	18	29	27	12	44	5	10	20	17	10	12	4	9	12	30	31	54	64	63	27
Q	28	31	32	23	13	11	6	4	5	7	4	3	1	1	14	8	7	9	10	10	9	9	11	22	12
Q	38	16	13	8	7	10	8	7	6	8	6	5	5	3	4	2	3	4	4	4	5	7	6	7	8
Q	11	20	53	51	20	20	20	17	15	17	9	4	3	3	7	6	8	8	8	9	9	10	10	10	15
D	10	10	23	29	36	47	69	138	77	169	79	220	87	40	85	94	180	211	215	105	144	145	90	36	97
D	34	16	28	43	28	37	43	46	21	19	39	25	12	20	18	30	44	29	28	52	63	79	69	52	36
D	115	188	112	29	29	43	58	68	134	75	40	30	34	78	70	30	63	62	26	18	18	20	13	49	58
D	40	78	53	66	73	75	109	100	45	40	52	37	27	34	35	17	11	15	7	8	17	10	15	11	41
Mean	49	52	51	50	48	47	50	50	42	38	31	45	39	38	38	42	35	33	34	32	30	37	40	37	41
5Q Mean	30	22	22	21	25	27	23	30	18	14	7	5	5	13	16	25	16	13	9	9	8	9	11	14	16
5D Mean	76	99	94	104	103	100	123	107	80	92	66	124	86	70	83	100	84	94	118	87	86	95	79	61	92

AL Index (Provisional Hourly mean values, unit nT)

November 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D 1	-270	-382	-552	-549	-502	-441	-408	-154	-185	-295	-213	-169	-468	-644	-176	-73	-17	-68	-446	-338	-148	-155	-285	-271	-300
D 2	-217	-152	-148	-363	-543	-652	-408	-394	-422	-348	-422	-429	-175	-213	-304	-344	-200	-294	-142	-59	-68	-23	-25	-24	-265
D 3	-21	-24	-9	-9	-10	-37	-162	-224	-268	-290	-217	-107	-36	-12	-13	-13	-31	-121	-148	-170	-63	-17	-13	-6	-84
D 4	-5	-7	-9	-14	-35	-86	-73	-51	-88	-271	-186	-85	-191	-251	-431	-679	-343	-20	-28	-35	-21	-14	-13	-48	-124
D 5	-153	-314	-222	-143	-80	-57	-18	-5	-12	-23	-21	-202	-173	-56	-269	-405	-68	-67	-149	-159	-168	-379	-236	-109	-145
D 6	-186	-503	-155	-146	-249	-267	-441	-439	-203	-111	-157	-399	-617	-423	-320	-586	-378	-284	-383	-270	-127	-163	-91	-210	-296
D 7	-152	-119	-64	-88	-175	-359	-177	-304	-388	-384	-363	-394	-290	-208	-115	-21	-22	-11	-24	-211	-198	-169	-35	-22	-179
D 8	-96	-98	-85	-149	-148	-84	-88	-64	-44	-135	-67	-112	-67	-43	-81	-206	-250	-147	-46	-18	-31	-75	-61	-21	-90
Q 9	-22	-19	-24	-9	-19	-11	-10	-27	-29	-56	-11	-13	-12	-48	-134	-136	-22	-20	-41	-114	-52	-28	-12	-10	-37
Q 10	-4	-10	-82	-92	-22	0	-2	-24	-19	-11	-32	-57	-87	-30	-112	-43	-22	-73	-116	-159	-45	-16	-37	-74	-49
Q 11	-63	-53	-67	-95	-16	-4	-8	-13	-25	-35	-36	-193	-55	-120	-17	-15	-15	-13	-29	-163	-101	-124	-300	-106	-69
Q 12	-74	-31	-30	-88	-135	-32	-36	-203	-412	-219	-117	-174	-91	-20	-39	-149	-114	-151	-182	-539	-90	-16	-5	0	-123
Q 13	-2	-9	-16	-33	-10	-16	-46	-25	-20	-7	-6	-8	-17	-43	-17	-77	-225	-205	-79	-13	-18	-9	-5	-2	-38
Q 14	-23	-63	-20	-13	-17	-5	-6	-2	-19	-22	-124	-92	-5	-9	-11	-20	-10	-10	-10	-18	-64	-121	-141	-54	-37
Q 15	-12	-10	-10	-21	-55	-96	-31	-15	-16	-28	-18	-9	-8	-26	-11	-17	-17	-13	-9	-5	-4	-5	-3	0	-18
Q 16	1	-3	0	0	0	0	0	4	6	3	0	-1	-5	-16	-106	-18	-9	-11	-6	-5	-5	-5	-14	-126	-13
Q 17	-186	-79	-86	-60	-8	-1	-1	-16	-7	-18	-43	-53	-12	-1	-5	-6	-5	-5	-4	-4	-7	-21	-17	-86	-30
Q 18	-27	-4	-4	-11	-30	-78	-181	-173	-90	-76	-39	-35	-8	-9	-9	-9	-15	-22	-94	-30	-41	-248	-181	-78	-62
Q 19	-109	-88	-44	-50	-240	-40	-43	-192	-161	-125	-71	-88	-48	-49	-64	-75	-76	-82	-72	-70	-123	-257	-151	-42	-97
Q 20	-83	-34	-8	-8	-19	-68	-172	-369	-133	-145	-116	-96	-36	-11	-9	-13	-12	-11	-41	-45	-42	-112	-126	-21	-72
Q 21	-25	-22	-3	-7	-15	-53	-49	-54	-45	-36	-39	-21	-10	-10	-25	-25	-16	-63	-88	-56	-16	-20	-43	-33	-32
Q 22	-74	-4	-3	0	1	0	1	0	-16	-8	-8	-99	-81	-6	-30	-263	-351	-128	-41	-22	-14	-15	-23	-92	-53
Q 23	-118	-7	-4	-3	-3	-2	-4	-23	-78	-88	-92	-77	-35	-5	-6	-7	-8	-9	-56	-105	-70	-75	-29	-8	-38
Q 24	0	-10	-11	-2	0	-4	-5	-5	-3	-5	-5	-5	-7	-10	-16	-78	-107	-56	-31	-74	-45	-14	-5	-6	-21
Q 25	-5	0	-1	0	0	0	0	-1	-3	-6	-5	-32	-64	-15	-4	-8	-8	-6	-5	-7	-8	-7	-16	-14	-9
Q 26	-21	-14	-23	-9	-2	-1	-1	-3	-1	-1	-5	-17	-26	-9	-12	-9	-9	-10	-6	-7	-3	-3	-4	-3	-8
Q 27	-1	-1	-45	-60	-30	-27	-103	-288	-128	-199	-915	-666	-57	-43	-170	-389	-395	-540	-422	-378	-210	-252	-111	-27	-227
Q 28	-68	-54	-109	-106	-140	-50	-65	-119	-86	-149	-94	-65	-30	-55	-64	-216	-251	-145	-66	-241	-236	-135	-135	-182	-119
Q 29	-470	-291	-145	-23	-4	-27	-249	-323	-323	-242	-142	-156	-86	-86	-76	-209	-389	-173	-126	-111	-68	-75	-35	-44	-163
Q 30	-42	-102	-49	-90	-143	-246	-218	-42	-52	-146	-311	-71	-31	-37	-31	-25	-29	-25	-15	-13	-14	-22	-17	-17	-75
Mean	-84	-83	-67	-74	-88	-91	-98	-118	-108	-116	-129	-128	-96	-83	-89	-137	-113	-92	-96	-114	-70	-85	-72	-57	-95
5Q Mean	-12	-12	-9	-7	-17	-32	-19	-20	-19	-26	-15	-16	-20	-21	-38	-52	-34	-31	-34	-51	-25	-14	-15	-12	-23
5D Mean	-165	-270	-224	-252	-280	-288	-275	-256	-190	-195	-345	-373	-298	-275	-247	-359	-211	-250	-308	-240	-144	-194	-149	-128	-246

AE Index (Provisional Hourly mean values, unit nT) November 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D 1	357	482	704	746	722	659	669	295	335	406	299	250	551	741	265	104	43	102	588	500	254	220	372	361	418
D 2	266	229	207	519	663	809	572	509	522	453	503	575	267	266	386	420	252	387	173	86	94	49	48	43	346
D 3	36	39	29	30	24	82	200	270	308	308	253	120	52	26	20	21	41	129	155	179	71	20	21	12	102
D 4	12	16	23	26	54	133	134	116	103	307	218	157	311	390	623	927	471	89	62	56	27	28	35	92	184
D 5	257	457	344	217	126	71	38	16	27	50	51	289	281	123	390	604	138	131	251	250	273	550	373	180	229
D 6	324	676	273	213	345	337	550	574	270	167	214	493	683	524	362	692	477	360	486	326	183	240	156	302	384
D 7	238	168	106	144	289	420	248	359	500	467	475	543	438	325	166	72	48	28	52	239	232	208	60	52	244
D 8	132	148	136	197	195	150	87	107	70	157	88	135	124	81	97	222	268	171	70	36	48	98	91	58	124
Q 9	50	38	52	33	41	28	33	50	45	76	25	20	21	77	170	215	65	37	54	129	64	43	23	24	59
Q 10	18	33	122	118	61	17	20	46	38	32	41	67	99	50	148	72	52	94	131	181	56	31	67	111	71
Q 11	95	106	144	163	42	18	21	26	41	45	48	222	85	141	34	30	29	30	47	206	146	202	442	189	106
Q 12	208	121	96	150	187	64	83	256	526	283	209	333	190	63	66	168	133	188	258	666	130	51	37	17	187
Q 13	16	37	31	49	23	34	64	45	45	27	15	17	33	91	67	99	260	263	123	33	34	23	19	17	61
Q 14	57	131	91	66	73	54	37	22	48	39	143	105	31	27	22	43	30	22	20	33	79	152	211	111	69
Q 15	46	38	38	57	115	177	93	92	54	50	27	20	17	52	27	39	39	38	19	13	11	12	9	7	45
Q 16	7	17	20	26	28	27	38	21	10	10	13	12	19	44	166	44	21	22	14	14	15	17	36	166	34
Q 17	294	166	194	213	124	64	41	65	44	59	69	90	37	19	21	25	16	14	14	14	22	38	36	115	75
Q 18	56	21	26	31	53	93	192	186	101	95	55	46	24	21	19	25	29	35	102	38	56	295	233	131	82
Q 19	203	185	155	120	304	101	91	244	196	148	84	75	68	94	87	100	83	92	86	95	175	318	200	77	141
Q 20	127	75	40	33	48	120	209	438	192	173	156	141	59	35	24	22	17	17	47	50	50	134	189	80	103
Q 21	51	42	19	26	39	73	70	95	75	53	46	27	18	20	40	45	27	77	98	67	27	34	68	57	50
Q 22	107	25	25	15	25	27	17	15	15	34	21	138	108	23	49	311	438	157	63	44	35	36	49	142	80
Q 23	188	35	30	34	26	20	33	50	90	133	99	88	56	23	17	20	13	19	69	135	101	130	93	71	66
Q 24	29	42	44	25	14	16	12	10	8	12	10	9	9	12	32	87	115	67	42	85	55	24	16	29	33
Q 25	44	16	15	9	7	9	8	9	10	15	12	38	71	19	9	11	12	10	10	12	14	14	23	22	17
D 26	33	35	78	61	22	22	22	20	17	19	14	23	30	13	19	15	18	18	15	17	14	14	15	14	24
D 27	12	12	70	90	67	74	173	426	206	369	995	887	145	84	256	483	576	752	638	483	355	398	202	64	326
D 28	103	71	138	150	169	88	108	167	107	169	134	91	43	76	83	248	296	176	94	294	300	215	205	235	157
D 29	587	481	258	53	33	70	308	393	460	318	183	155	191	165	147	240	452	236	154	129	86	96	49	95	222
D 30	84	181	103	157	216	322	327	142	98	187	365	110	60	73	68	43	40	40	22	22	32	33	34	29	116
Mean	134	137	120	125	137	139	149	168	152	155	162	175	137	123	129	181	149	126	131	147	101	124	113	96	138
5Q Mean	44	35	33	30	43	60	43	51	38	41	24	22	27	36	55	79	51	45	44	61	34	25	27	27	41
5D Mean	243	371	319	357	384	390	400	364	272	289	412	498	385	347	331	460	297	346	427	329	231	291	230	190	340

November 1995

AO Index (Provisional Hourly mean values, unit nT)

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-92	-141	-200	-175	-141	-111	-73	-7	-17	-91	-63	-43	-192	-273	-44	-20	3	-17	-151	-88	-21	-45	-99	-90	-91
D	-83	-37	-44	-104	-211	-248	-122	-139	-161	-121	-170	-141	-41	-80	-111	-134	-74	-101	-55	-16	-20	1	-1	-2	-92
3	-3	-4	4	4	1	3	-62	-88	-114	-135	-90	-47	-10	0	-3	-2	-10	-55	-71	-79	-26	-6	-1	0	-33
4	0	0	1	-1	-8	-19	-6	6	-36	-117	-77	-6	-36	-55	-119	-216	-107	23	2	-6	-7	0	3	-2	-32
D	-25	-86	-50	-34	-16	-21	0	2	0	1	4	-57	-32	4	-73	-103	0	-2	-23	-34	-31	-104	-49	-19	-31
D	-24	-165	-18	-39	-76	-98	-166	-151	-68	-27	-49	-152	-274	-161	-139	-240	-139	-104	-140	-106	-35	-43	-12	-59	-104
7	-33	-35	-11	-16	-40	-149	-52	-124	-138	-150	-124	-121	-70	-45	-32	14	1	1	1	-91	-81	-64	-6	2	-57
8	-30	-24	-17	-50	-50	-9	4	-10	-8	-56	-23	-45	-5	-3	-32	-95	-115	-61	-10	0	-7	-26	-15	6	-28
Q	2	0	0	6	1	2	6	-2	-7	-18	0	-3	-2	-9	-49	-28	9	-1	-14	-49	-19	-6	0	1	-7
10	3	5	-21	-33	8	8	7	-1	0	3	-11	-23	-38	-5	-38	-8	3	-25	-50	-68	-17	0	-4	-19	-13
11	-15	0	4	-13	3	4	1	0	-5	-12	-12	-12	-13	-50	-1	0	-1	1	-6	-59	-27	-23	-79	-12	-16
12	28	28	17	-13	-41	0	4	-75	-149	-77	-12	-7	3	10	-6	-64	-47	-56	-53	-205	-24	8	12	8	-29
13	5	7	-1	-9	1	0	-13	-3	1	5	0	0	-1	1	15	-27	-94	-73	-17	2	-1	1	3	5	-7
14	3	1	23	18	18	21	11	8	4	-2	-53	-39	9	3	0	0	4	0	0	-1	-24	-44	-34	1	-2
Q	10	8	8	7	1	-8	14	29	10	-3	-4	0	0	0	0	0	1	4	0	0	0	0	0	0	3
16	4	4	10	12	14	14	15	15	11	8	7	3	3	4	-24	2	1	0	0	0	1	2	3	3	42
17	-39	2	10	45	53	29	19	15	14	10	-8	-8	5	7	4	5	2	0	2	2	3	-2	0	-28	6
18	0	5	9	4	-3	-31	-84	-80	-39	-28	-12	-12	2	1	0	2	0	-4	-42	-10	-13	-100	-64	-12	-21
19	-8	3	32	9	-88	9	2	-70	-63	-51	-29	-20	-14	-3	-20	-25	-34	-36	-28	-22	-35	-97	-50	-4	-27
20	-19	2	10	7	3	-8	-67	-149	-37	-59	-38	-25	-7	5	1	-2	-3	-2	-17	-19	-17	-44	-31	17	-20
Q	0	-2	5	5	3	-16	-13	-6	-7	-9	-16	-7	-1	0	-6	-3	-2	-24	-38	-22	-3	-2	-9	-5	-7
22	-21	7	8	8	14	13	9	8	6	0	1	-30	-27	4	-6	-106	-132	-49	-9	0	2	2	1	-20	-13
23	-24	9	9	12	8	7	11	1	-32	-22	-43	-33	-7	5	1	1	-1	0	-22	-37	-19	-10	16	27	-5
24	13	9	9	9	5	3	0	0	0	0	0	-2	-2	-4	-1	-34	-49	-23	-10	-31	-17	-2	2	7	-4
Q	15	7	5	3	3	4	3	2	1	0	0	-12	-29	-5	0	-2	-1	0	0	-1	-1	0	-4	-3	0
26	-4	2	14	20	8	9	9	6	6	7	1	-6	-10	-2	-2	-1	0	0	1	0	2	2	1	2	2
27	4	-10	-15	-5	2	9	-17	-74	-25	-14	-417	-222	14	-1	-42	-147	-107	-164	-102	-135	-32	-53	-10	4	-64
28	-16	-18	-40	-31	-55	-7	-11	-36	-32	-64	-27	-19	-8	-17	-22	-92	-102	-57	-18	-94	-86	-28	-32	-64	-41
29	-176	-51	-16	2	12	7	-95	-127	-95	-82	-50	-46	-60	-4	-3	-89	-162	-55	-49	-46	-24	-26	-10	2	-52
30	-1	-12	2	-11	-34	-85	-54	28	-3	-52	-128	-16	-2	-1	1	-3	-8	-5	-3	-2	1	-5	0	-2	-16
Mean	-17	-15	-8	-12	-20	-22	-23	-34	-32	-38	-48	-40	-28	-22	-25	-47	-38	-29	-30	-40	-19	-23	-15	-9	-26
5Q Mean	8	4	5	6	2	-3	2	4	0	-6	-4	-4	-6	-3	-11	-13	-8	-8	-12	-20	-8	-2	0	0	-3
5D Mean	-44	-85	-64	-73	-88	-93	-75	-73	-54	-50	-139	-123	-105	-102	-81	-128	-63	-77	-94	-75	-27	-48	-34	-33	-76

Date		AU Index (Provisional Hourly mean values, unit nF)																								Mean	
		December 1995																									
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D	1	9	13	17	23	23	33	33	35	13	13	26	140	208	116	156	199	197	126	258	254	211	97	102	131	101	
	2	83	75	49	16	18	11	33	31	28	36	104	155	160	54	71	32	19	14	8	20	30	47	43	51		
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D	4	146	165	169	149	263	152	94	67	130	217	140	69	48	33	34	30	23	19	10	26	18	47	73	89		
	5	67	61	22	18	10	16	28	22	27	14	11	6	10	9	10	14	7	12	7	9	11	13	27	31		
	6	22	19	20	23	33	33	49	36	41	24	16	11	22	37	55	45	21	18	16	28	23	22	25	32		
	7	20	20	26	23	27	27	20	29	23	29	19	13	49	25	21	35	22	24	17	20	19	19	17	13		
Q	8	18	24	29	33	43	21	25	44	32	26	35	21	14	10	16	12	17	7	9	8	10	18	21	29		
	9	27	48	49	68	197	141	105	34	29	91	165	101	141	87	28	27	10	8	19	12	17	16	14	27		
	10	65	77	63	43	65	150	98	63	38	18	7	5	9	9	12	10	11	8	5	8	10	10	11	13		
	11	16	13	22	25	26	28	29	23	17	28	10	20	18	22	17	42	33	19	12	10	16	13	15	16		
	12	15	16	19	19	21	23	24	17	29	17	11	10	13	39	84	51	57	70	110	99	35	46	79	31		
	13	43	35	18	15	16	13	10	12	12	14	15	10	8	5	6	8	11	15	6	8	17	23	14	15		
Q	14	23	30	54	83	107	53	77	40	33	27	22	29	16	23	18	16	21	15	17	36	22	18	15	16		
	15	19	20	19	19	19	36	43	69	47	57	82	159	82	62	123	70	57	53	187	214	133	44	102	78		
	16	67	112	109	168	308	221	178	172	54	89	109	46	72	81	23	20	32	27	31	25	29	25	23	24		
D	17	29	29	17	28	20	16	30	36	48	74	76	91	50	52	46	65	28	90	72	29	43	31	37	53		
	18	64	37	19	15	13	19	20	23	20	25	14	-3	34	99	93	49	15	12	15	30	25	22	22	27		
Q	19	28	47	46	56	63	47	52	105	84	41	12	14	27	66	50	25	25	84	45	25	42	25	21	18		
	20	20	18	18	17	33	46	34	40	20	18	14	22	47	124	101	89	48	31	26	19	13	13	12	13		
	21	14	18	18	22	18	14	24	24	37	51	59	46	37	83	150	59	99	220	219	217	127	105	187	218		
D	22	273	185	123	101	106	107	209	143	114	145	187	281	150	83	97	205	268	292	196	188	196	184	141	136		
	23	120	91	115	75	35	34	19	10	13	40	83	80	26	46	41	24	11	6	15	31	29	36	18	25		
D	24	41	72	48	61	69	68	102	109	166	193	251	81	146	288	265	180	97	58	38	46	61	65	69	56		
	25	50	48	60	58	32	59	70	69	16	37	22	43	45	68	48	59	60	38	62	117	112	83	69	60		
	26	55	64	66	106	127	96	60	55	51	75	87	52	31	27	39	67	29	27	69	49	47	40	37	40		
	27	52	49	41	33	41	62	70	73	127	44	31	16	39	36	58	36	33	30	25	18	36	13	21	25		
	28	28	24	21	31	32	20	29	51	47	32	10	11	10	9	13	17	13	10	18	26	20	21	16	15		
Q	29	13	14	15	24	22	34	35	39	54	37	23	14	10	7	12	22	29	21	16	27	34	22	26	24		
Q	30	29	26	34	27	20	16	17	28	37	27	17	7	20	22	15	23	22	20	23	25	25	21	20	17		
	31	15	17	22	21	35	95	144	59	44	31	26	31	61	21	17	35	45	42	59	51	49	34	28	18		
Mean		48	48	44	47	60	56	57	50	46	51	55	51	53	55	56	51	44	46	52	55	48	38	44	45		
5Q Mean		33	27	23	22	22	20	21	29	31	25	20	9	17	28	28	22	18	15	13	19	22	21	20	22		
5D Mean		107	109	93	100	153	116	123	105	95	131	142	123	124	120	115	126	123	104	106	107	103	83	81	87		

AL Index (Provisional Hourly mean values, unit nT)

December 1995

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
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	-392	-120	-10	-48	-51	-67	-87	-172	-163	-210	-381	-234	-261	-244	-427	-275	-184	-112	-109	-177	-35	-4	-30	-41	-160
	-34	-28	-30	-42	-10	-15	-36	-39	-63	-264	-239	-42	-57	-147	-180	-251	-73	-30	-19	-111	-384	-33	-61	-230	-101
D	-418	-397	-367	-416	-532	-279	-158	-182	-159	-519	-312	-132	-115	-126	-108	-137	-267	-69	-17	-7	-57	-183	-118	-51	-214
	-35	-19	-6	-7	-9	-9	-11	-11	-12	-16	-12	-8	-8	-10	-11	-16	-31	-40	-17	-29	-81	-168	-90	-13	-28
	-18	-20	-18	-20	-21	-19	-19	-32	-41	-54	-58	-33	-75	-126	-134	-74	-65	-62	-127	-36	-8	-13	-22	-31	-47
	-15	-14	-16	-13	-14	-11	-11	-8	-9	-9	-9	-18	-180	-137	-46	-114	-92	-33	-16	-44	-8	-4	-4	-2	-34
Q	-1	-3	-4	-21	-16	-3	-8	-48	-23	-27	-7	-40	-14	-20	-47	-14	-13	-8	-21	-70	-14	-5	-9	-16	-19
	-10	-3	-27	-255	-321	-81	-93	-108	-98	-311	-209	-186	-387	-169	-56	-63	-53	-52	-8	-20	-49	-55	-34	-77	-114
	-187	-141	-193	-162	-105	-270	-91	-23	-18	-13	-10	-7	-13	-9	-13	-11	-12	-10	-27	-16	-22	-15	-28	-29	-59
	-10	-27	-105	-64	-17	-3	-13	-25	-18	-27	-36	-127	-33	0	-16	-45	-37	-5	-30	-6	-27	-5	0	0	-28
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Q	-10	-14	-4	-4	-4	-4	-3	-3	-3	-4	-5	-5	-5	-27	-18	-8	-9	-13	-51	-8	-8	-4	-1	-2	-9
	-3	-6	-47	-16	9	-1	-9	-16	-43	-29	-35	-100	-13	0	-4	-2	-1	0	-19	-98	-58	-18	-3	-4	-21
	-18	-11	-12	-2	0	1	0	-15	-88	-150	-105	-176	-273	-553	-268	-37	-50	-260	-586	-486	-168	-52	-161	-219	-154
D	-220	-340	-480	-434	-521	-288	-207	-402	-197	-201	-318	-325	-455	-714	-278	-178	-108	-69	-50	-12	-21	-30	-15	-10	-245
	-4	-9	-16	-33	-5	-3	-12	-162	-290	-171	-364	-228	-96	-86	-165	-43	-108	-323	-280	-56	-9	-45	-41	-65	-109
	-14	-3	-4	-5	-4	-8	-7	-12	-16	-12	-114	-232	-244	-226	-235	-187	-108	-87	-30	-22	-21	-33	-37	-28	-70
Q	-41	-183	-72	-20	-14	-34	-125	-300	-178	-125	-57	-21	-32	-211	-152	-136	-152	-313	-78	-42	-19	-7	-3	-4	-97
	-4	-4	-4	-6	-11	-14	-7	-6	-1	-2	-14	-157	-108	-228	-203	-44	1	-5	-12	-6	-2	0	0	-1	-35
D	0	-1	-2	-4	-2	-3	-1	0	0	-1	-2	0	-1	-80	-153	-96	-201	-319	-356	-261	-139	-188	-134	-167	-88
	-161	-82	-62	-64	-76	-121	-133	-109	-347	-162	-201	-325	-341	-286	-206	-357	-301	-362	-223	-360	-739	-192	-91	-114	-226
	-203	-315	-155	-65	-36	-22	-10	-11	-20	-68	-212	-140	-39	-57	-20	-13	-19	-19	-73	-100	-45	-12	-3	-12	-69
D	-81	-81	-23	-39	-96	-44	-64	-300	-205	-420	-340	-203	-609	-793	-772	-276	-135	-146	-171	-164	-174	-146	-255	-110	-233
	-166	-125	-219	-131	-62	-166	-147	-80	-40	-65	-65	-92	-173	-164	-181	-363	-337	-236	-165	-195	-119	-103	-70	-92	-148
26	-101	-106	-126	-168	-307	-137	-167	-248	-257	-193	-127	-101	-212	-98	-192	-111	-210	-290	-503	-143	-37	-99	-17	-26	-166
27	-166	-81	-8	-12	-31	-26	-62	-124	-50	-17	-7	-17	-88	-140	-214	-24	-18	-12	-23	-66	-147	-128	-31	-16	-63
28	0	-4	-3	-3	-4	-4	-25	-91	-97	-17	-2	-2	-3	-6	-18	-40	-154	-87	-7	-5	-48	-38	-13	-6	-28
Q	-13	-7	-2	-2	-3	-11	-12	-11	-23	-30	-1	-3	-3	-10	-12	-123	-68	-39	-23	-43	-78	-152	-41	-5	-30
Q	-5	-20	-70	-4	0	0	1	-9	-35	-14	-19	-49	-127	-63	-14	-20	-23	-4	-2	0	-3	-1	0	-3	-20
31	-6	-6	-11	-7	-12	-43	-255	-2	1	0	-4	-66	-181	-64	-85	-221	-77	-12	-44	-196	-39	0	-5	-5	-56
Mean	-74	-70	-68	-69	-73	-54	-57	-83	-84	-105	-112	-109	-143	-172	-157	-121	-115	-117	-124	-107	-94	-67	-48	-50	-95
5Q Mean	-8	-9	-16	-7	-5	-5	-5	-16	-20	-17	-29	-65	-78	-69	-65	-70	-44	-30	-25	-28	-24	-39	-17	-10	-29
5D Mean	-169	-183	-193	-208	-245	-147	-116	-207	-203	-285	-277	-261	-359	-480	-391	-273	-280	-223	-168	-162	-264	-170	-115	-94	-228

Date		AE Index (Provisional Hourly mean values, unit nF)																								Mean
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D	1	27	33	54	116	28	41	53	80	122	140	241	461	484	600	750	618	790	597	640	524	545	396	201	319	327
	2	476	195	61	123	81	99	122	194	184	241	486	389	422	300	499	308	203	128	119	198	55	35	79	85	212
	3	80	78	47	60	23	50	69	69	81	292	275	61	110	218	211	272	85	51	48	155	440	64	124	306	136
D	4	565	563	537	566	797	432	253	251	290	736	452	202	164	160	143	168	292	89	29	35	77	232	192	140	307
	5	103	80	29	27	21	26	40	34	40	32	24	15	19	19	22	31	39	53	24	39	93	183	118	45	48
	6	41	41	40	44	55	53	69	69	83	79	75	46	97	164	189	119	86	81	145	66	33	36	49	64	76
	7	37	36	42	37	42	39	32	38	34	39	30	31	229	163	67	149	115	58	35	66	28	24	22	16	59
Q	8	20	28	35	55	60	26	34	93	56	54	44	62	29	31	64	26	31	16	31	80	25	24	31	46	42
	9	38	51	78	324	519	223	199	143	128	402	375	287	528	257	85	91	64	61	29	34	68	73	50	105	175
	10	253	219	257	206	171	422	190	87	58	33	18	13	23	19	25	22	25	20	33	25	33	27	40	44	94
	11	27	40	127	90	43	32	43	49	37	56	47	148	51	23	33	33	71	24	44	17	44	18	15	15	49
	12	15	18	26	20	17	22	25	21	37	18	11	14	25	98	159	127	133	222	491	377	62	99	162	36	93
Q	13	55	51	24	20	22	18	15	17	16	19	21	17	14	33	24	17	21	29	59	18	26	28	17	18	25
	14	28	37	102	99	97	56	87	57	77	57	57	129	29	24	22	18	23	16	38	135	81	37	20	21	56
	15	38	32	32	23	21	34	44	86	136	208	188	335	355	616	391	108	108	315	774	701	302	97	264	298	229
D	16	289	454	590	603	831	511	386	575	252	291	427	372	528	796	302	200	141	98	82	38	52	56	39	36	331
	17	34	39	35	62	27	20	44	199	338	246	441	319	146	138	212	108	137	414	353	86	53	77	79	119	155
Q	18	78	41	24	22	19	28	27	36	37	38	129	228	279	325	328	237	124	100	46	53	48	56	61	55	101
	19	70	231	119	76	79	82	178	407	264	167	70	35	59	277	203	163	179	399	125	69	63	33	26	24	142
	20	25	24	23	24	44	61	43	48	22	22	30	180	156	353	304	133	46	37	39	27	17	14	13	15	71
D	21	16	20	22	26	21	18	26	24	38	53	62	48	38	163	304	156	300	539	576	479	268	294	323	386	175
	22	435	268	185	166	184	229	344	253	462	308	389	606	491	370	304	564	570	654	420	549	936	377	233	251	398
	23	324	407	271	141	73	57	30	22	34	109	295	220	66	103	61	38	31	26	89	132	75	50	23	38	113
D	24	72	154	72	102	166	114	167	411	372	614	592	285	756	1082	1038	457	233	206	211	211	236	213	324	166	344
	25	217	175	281	190	95	226	218	149	56	102	88	135	219	232	230	423	398	274	228	314	232	188	140	152	207
	26	157	172	193	275	436	234	229	303	309	269	215	153	244	125	232	179	239	319	573	194	86	141	55	66	225
	27	219	132	50	46	73	90	133	199	179	62	39	34	127	177	272	61	52	43	50	86	185	142	53	42	106
	28	29	29	25	35	38	26	55	143	146	50	13	14	14	16	31	57	168	98	26	32	69	60	30	22	51
Q	29	27	21	18	27	26	47	48	52	78	68	26	18	14	18	25	145	97	61	41	71	113	175	69	30	55
Q	30	35	47	104	32	20	16	16	38	74	42	37	57	147	85	30	44	46	25	27	25	29	23	20	21	43
	31	22	24	33	29	48	139	401	62	43	32	31	98	243	86	103	257	123	55	104	248	90	34	34	24	98
Mean		124	120	114	118	134	111	116	135	131	157	168	161	196	228	214	173	160	164	178	164	144	106	93	96	146
5Q Mean		43	37	41	31	29	27	28	47	52	44	51	76	96	98	94	93	63	46	40	49	48	61	39	34	53
5D Mean		277	294	287	310	401	265	240	314	299	417	420	385	484	601	507	401	405	328	276	271	369	254	197	182	341

AO Index (Provisional Hourly mean values, unit nT) December 1995

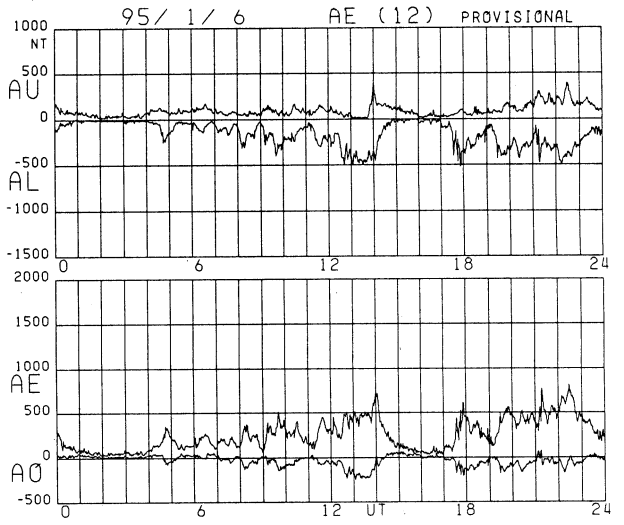
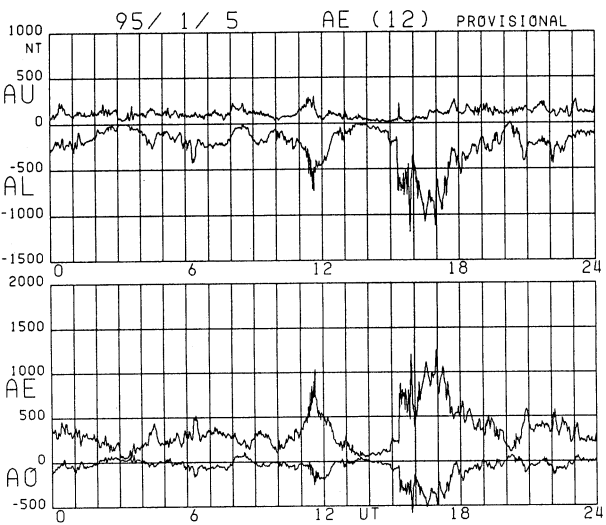
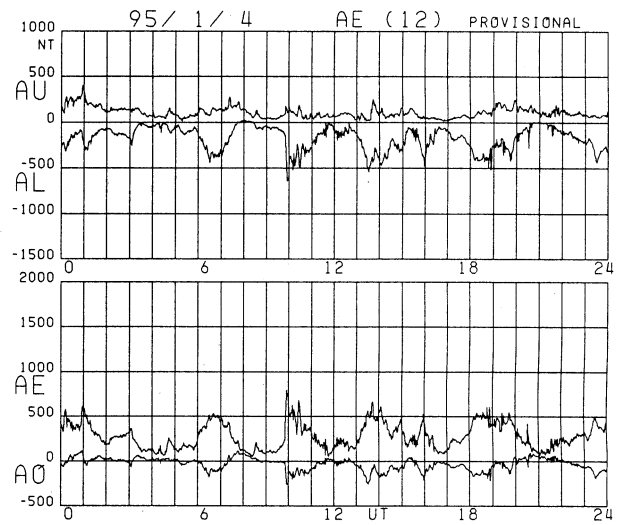
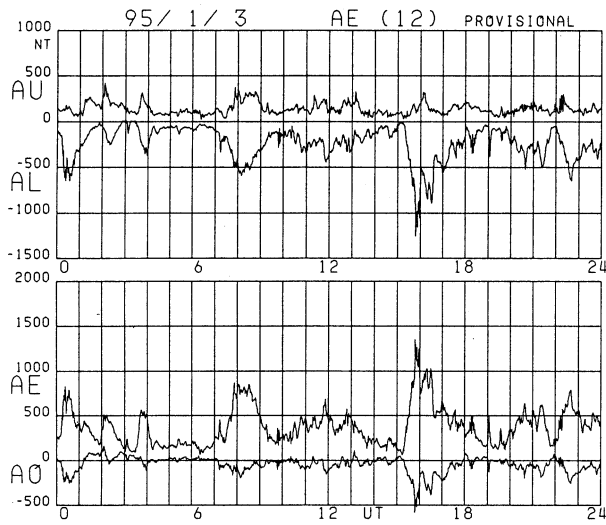
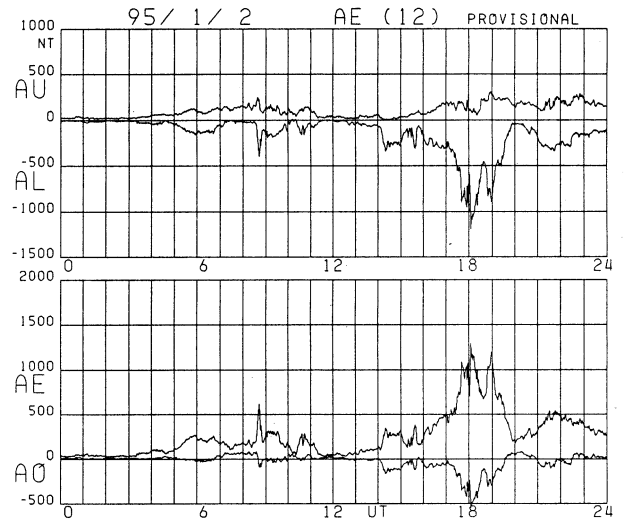
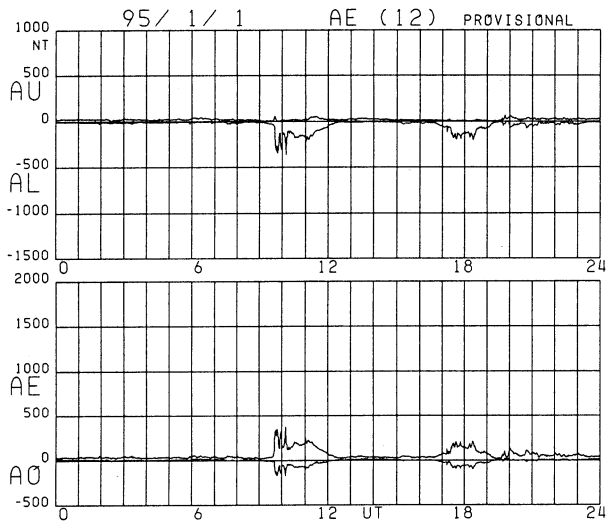
Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
D	-3	-2	-8	-33	8	12	7	-4	-47	-56	-93	-89	-33	-182	-218	-108	-197	-171	-61	-7	-60	-100	2	-27	-61
	-154	-22	18	12	-11	-17	-26	-74	-70	-89	-138	-39	-50	-94	-177	-120	-81	-48	-50	-78	-7	12	8	0	-54
3	5	10	-6	-11	0	8	-2	-4	-22	-117	-101	-11	-2	-38	-74	-114	-30	-4	3	-34	-164	-1	0	-76	-33
D	-135	-115	-98	-132	-133	-63	-32	-57	-14	-150	-85	-30	-33	-46	-36	-53	-121	-24	-3	8	-19	-68	-22	18	-60
5	15	20	7	5	0	3	8	4	7	0	0	0	0	0	0	-1	-11	-13	-4	-9	-35	-77	-31	8	-4
	2	0	0	1	5	6	14	2	0	-14	-20	-10	-26	-44	-39	-14	-21	-21	-55	-4	7	3	1	0	-9
7	2	3	4	5	5	7	4	10	6	10	4	-2	-65	-55	-12	-39	-34	-4	0	-12	5	6	5	5	-5
8	8	10	12	13	13	8	8	0	13	0	13	0	0	-4	-15	-1	1	0	-6	-80	-2	5	5	6	1
9	8	22	10	-92	-61	29	5	-36	-34	-110	-21	-42	-122	-40	-13	-17	-20	-21	5	-4	-16	-19	-9	-24	-26
10	-60	-31	-64	-58	-19	-59	3	19	9	2	-1	0	-1	0	0	0	0	0	-11	-4	-5	-2	-7	-7	-12
	2	-7	-41	-18	4	12	7	0	0	0	-13	-53	-7	10	0	-1	-2	6	-9	2	-5	3	7	8	-3
12	7	6	6	8	12	12	11	5	10	8	5	2	0	-9	4	-12	-9	-39	-134	-88	4	-3	-1	13	-7
13	16	10	6	5	5	4	3	4	4	4	4	2	0	-10	-6	0	0	0	-22	0	4	8	6	5	2
14	9	11	3	33	58	25	33	11	-4	0	-7	-35	1	11	6	6	9	7	-1	-31	-17	0	5	5	5
15	0	4	3	8	9	18	21	26	-19	-45	-11	-8	-95	-244	-72	15	3	-103	-199	-135	-17	-3	-28	-69	-39
D	-75	-113	-184	-132	-106	-33	-14	-114	-71	-55	-104	-139	-191	-315	-127	-78	-37	-21	-9	6	3	-2	3	6	-79
17	11	9	0	-2	6	5	8	-62	-120	-48	-143	-68	-23	-16	-59	10	-39	-116	-103	-13	16	-6	-2	-5	-31
18	24	16	6	4	3	5	5	5	2	6	-49	-118	-104	-63	-70	-68	-45	-37	-7	3	1	-5	-6	0	-20
19	-5	-67	-13	17	23	6	-35	-96	-46	-41	-21	-3	-2	-72	-50	-55	-62	-114	-16	-8	10	8	8	7	-26
20	7	6	6	5	10	15	12	16	9	7	0	-66	-30	-51	-50	22	24	12	6	5	4	5	5	5	0
	6	8	7	8	7	5	10	11	18	24	28	22	17	1	-1	-18	-49	-48	-67	-21	-5	-41	25	25	-1
22	55	50	30	17	15	-6	37	16	-116	-8	-7	-21	-95	-100	-53	-75	-15	-34	-13	-85	-270	-3	24	10	-27
23	-41	-111	-19	4	0	5	4	0	-2	-14	-64	-29	-6	-5	9	5	-4	-6	-28	-34	-7	11	7	6	-13
D	5	-4	12	10	-13	11	18	-95	-20	-113	-44	-60	-230	-252	-47	-18	-43	-66	-58	-58	-56	-40	-92	-26	-61
25	-57	-38	-78	-36	-14	-53	-37	-5	-11	-13	-21	-24	-63	-47	-65	-151	-137	-98	-51	-38	-3	-9	0	-15	-44
	-22	-20	-29	-30	-89	-20	-53	-95	-102	-58	-19	-24	-90	-34	-76	-21	-90	-131	-216	-46	4	-29	9	6	-53
27	-56	-15	16	10	4	17	3	-25	38	13	11	0	-24	-52	-77	5	7	8	0	-23	-55	-57	-5	4	-10
28	14	9	8	13	13	6	1	-19	-24	7	3	4	2	1	-2	-11	-69	-38	4	9	-14	-8	0	4	-3
29	0	3	6	10	9	10	11	13	15	3	10	5	2	-1	0	-50	-19	-8	-3	-8	-22	-64	-7	9	-3
30	11	2	-17	11	9	8	9	9	1	6	0	-20	-53	-20	0	1	0	7	10	12	10	9	10	6	1
31	3	5	4	6	11	25	-55	28	22	16	10	-17	-59	-20	-33	-92	-16	14	7	-72	4	17	11	6	-7
Mean	-12	-11	-12	-11	-7	0	0	-16	-18	-26	-28	-28	-44	-57	-50	-34	-34	-35	-35	-25	-22	-14	-2	-2	-22
5Q Mean	11	8	2	7	7	7	7	5	5	3	-4	-28	-31	-19	-18	-23	-12	-7	-5	-4	-1	-9	1	5	-3
5D Mean	-30	-36	-49	-54	-45	-15	3	-50	-53	-76	-66	-67	-116	-179	-137	-72	-77	-58	-30	-27	-80	-42	-17	-3	-57

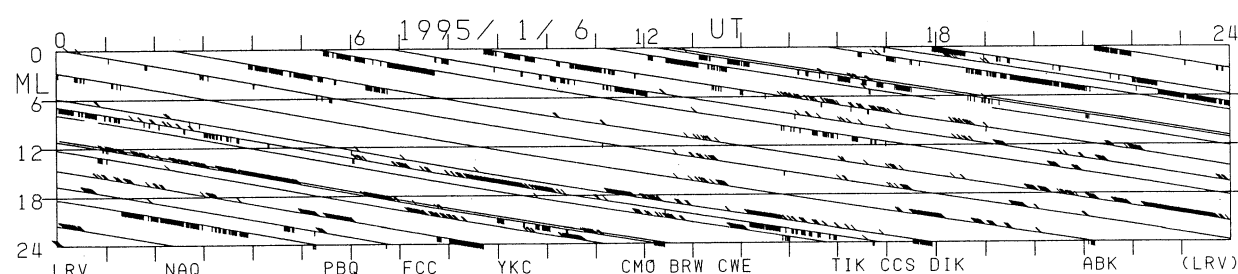
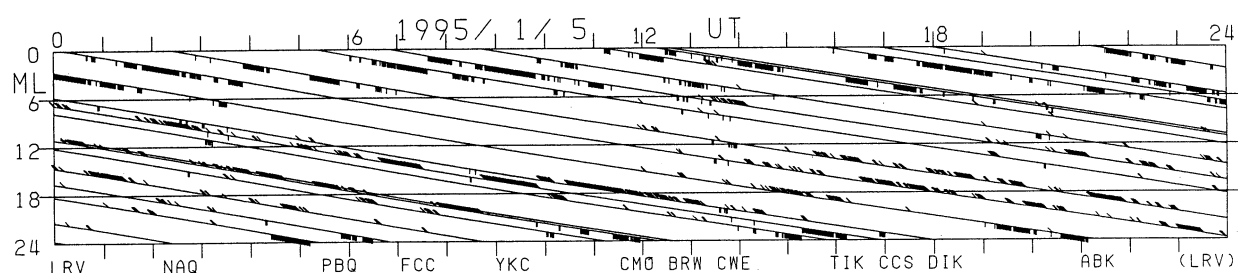
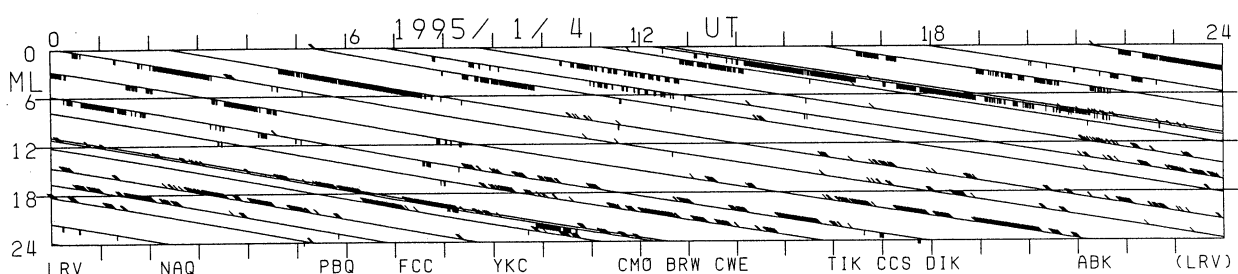
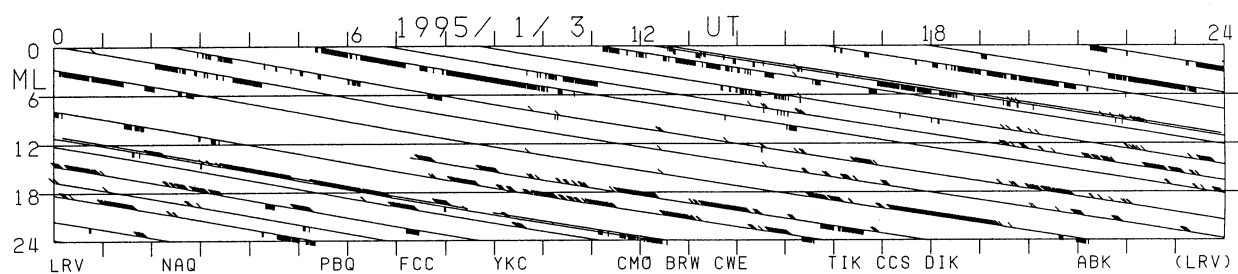
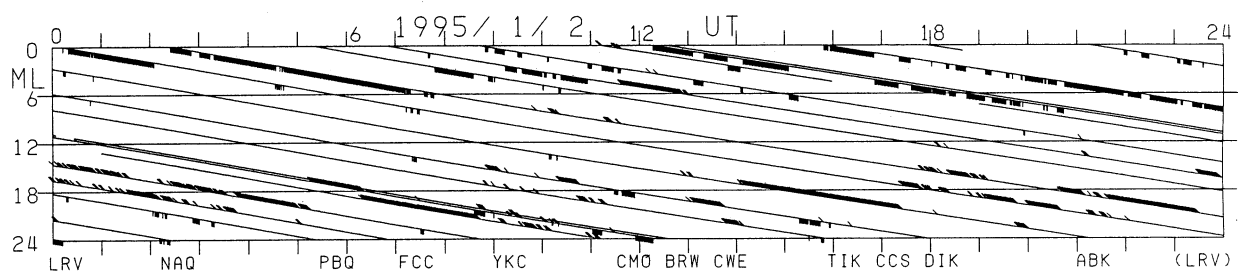
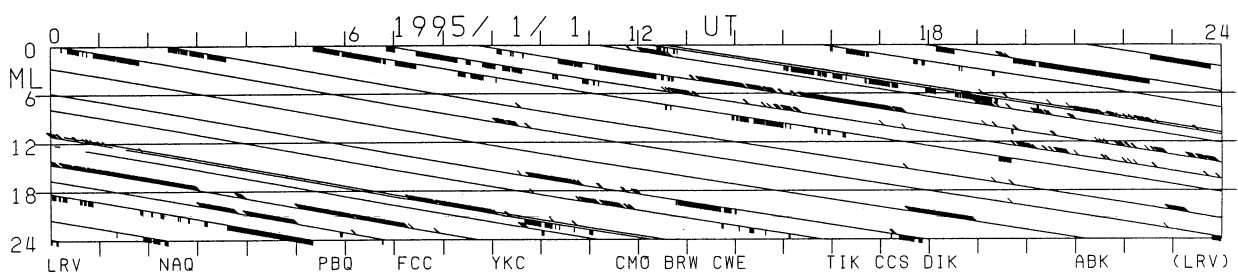
FIGURE 4 (on even pages)

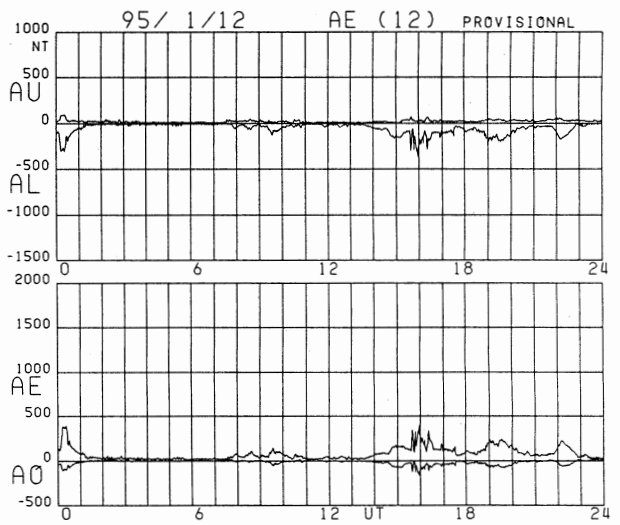
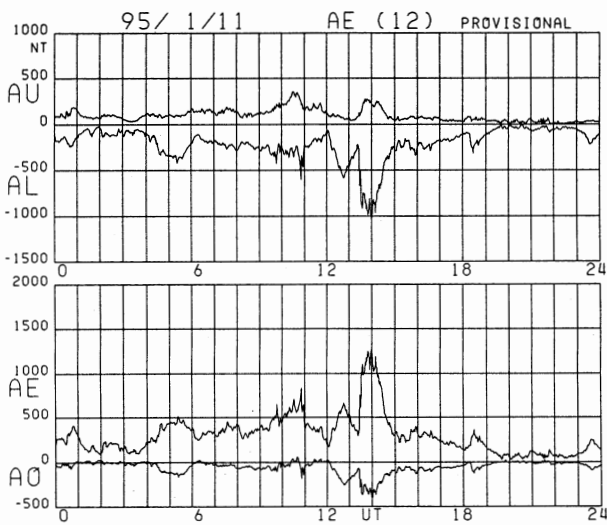
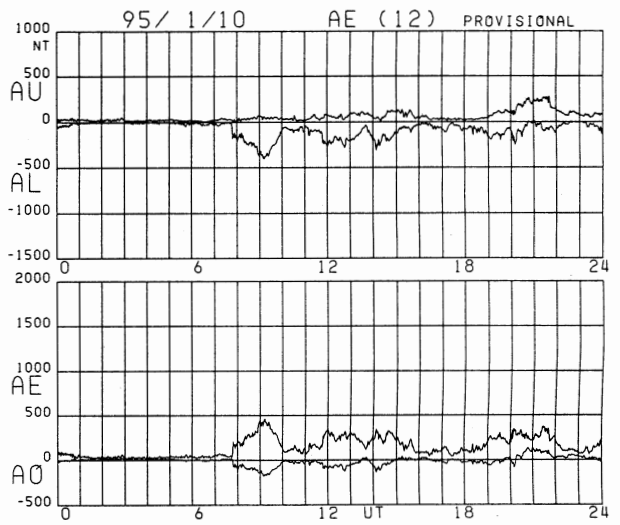
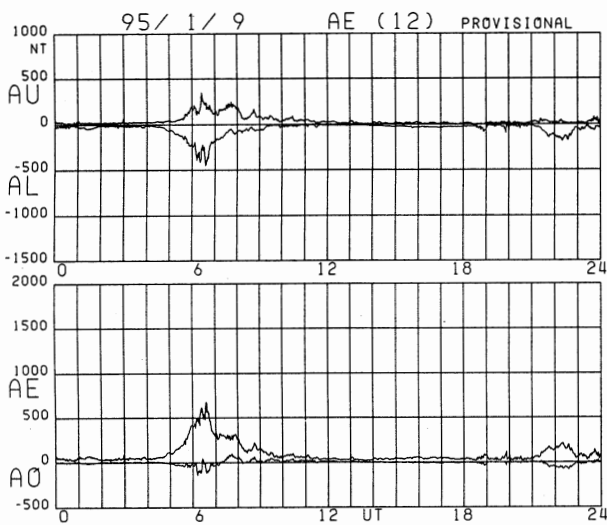
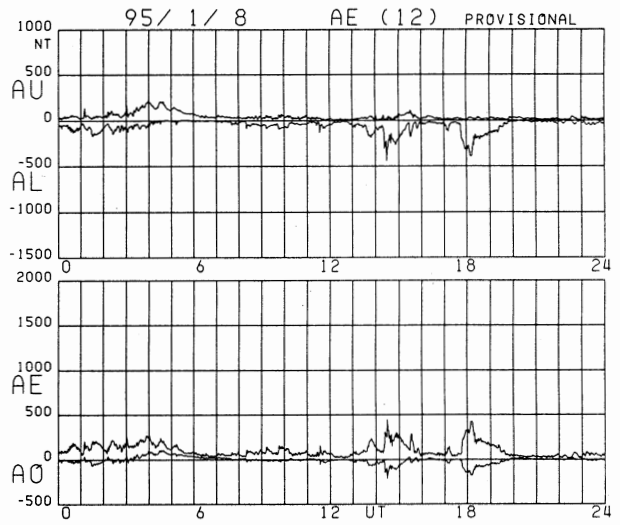
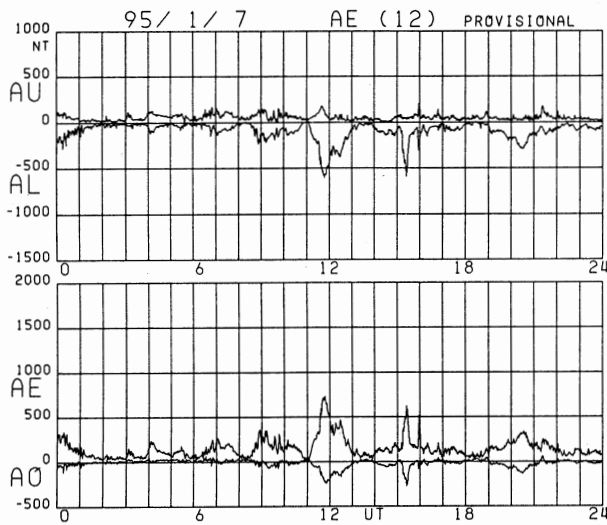
Daily graphs of 1.0 min AE indices (AU, AL, AE and AO) for January-December 1995. A graph on a disturbed day (Oct 6) is reproduced on page 194.

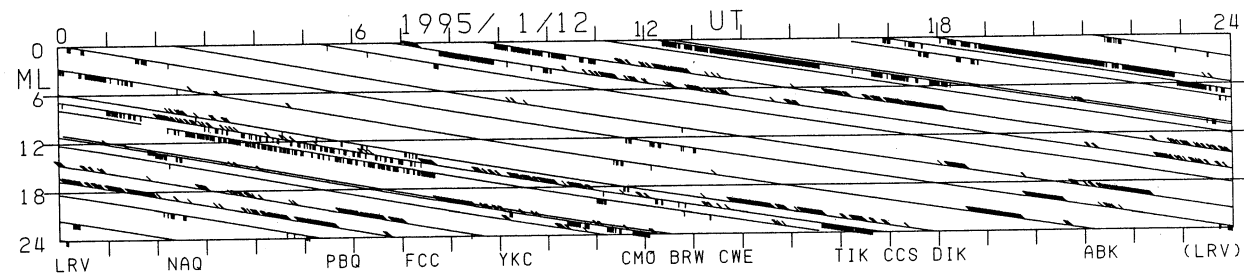
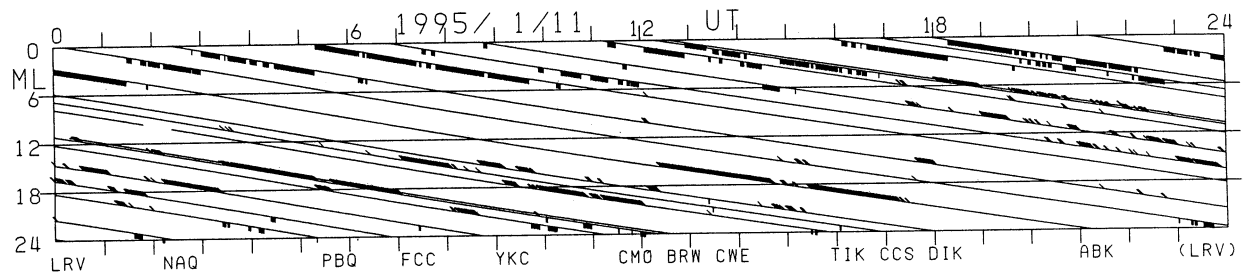
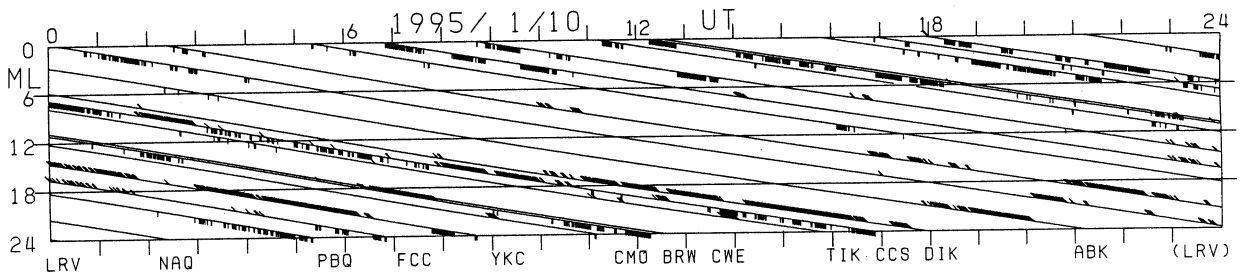
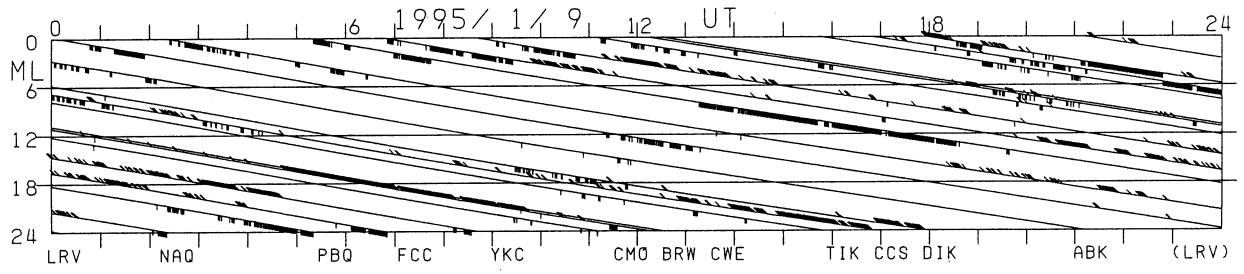
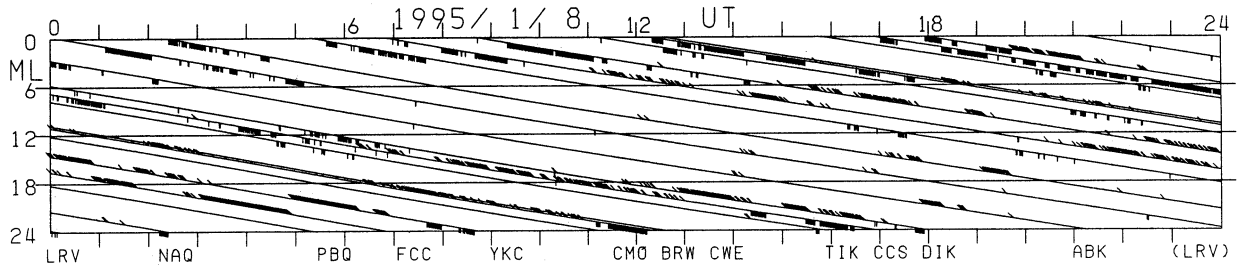
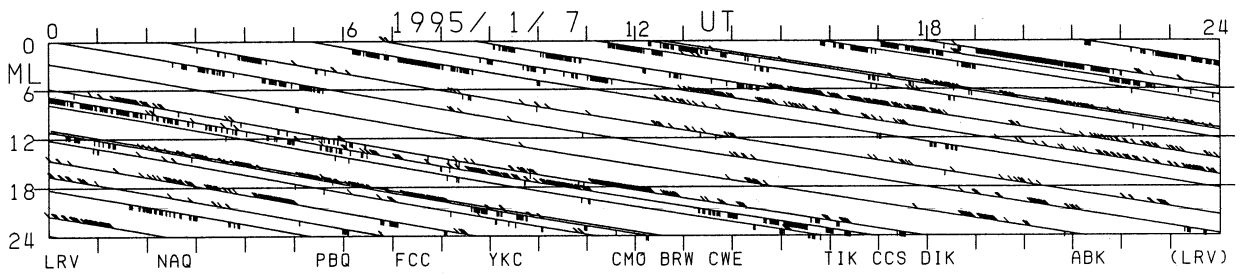
FIGURE 5 (on odd pages)

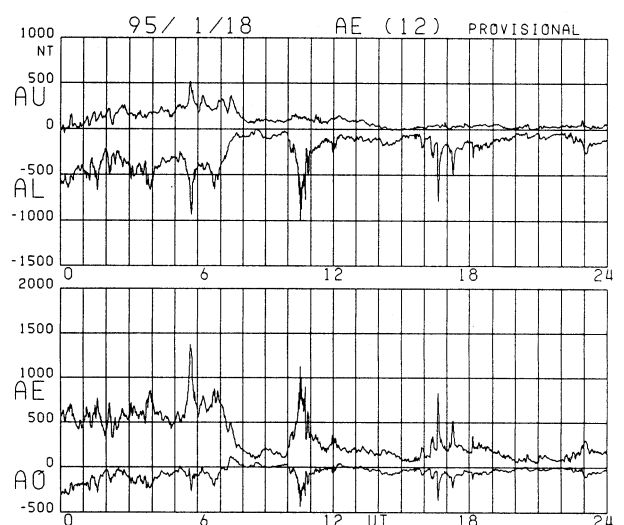
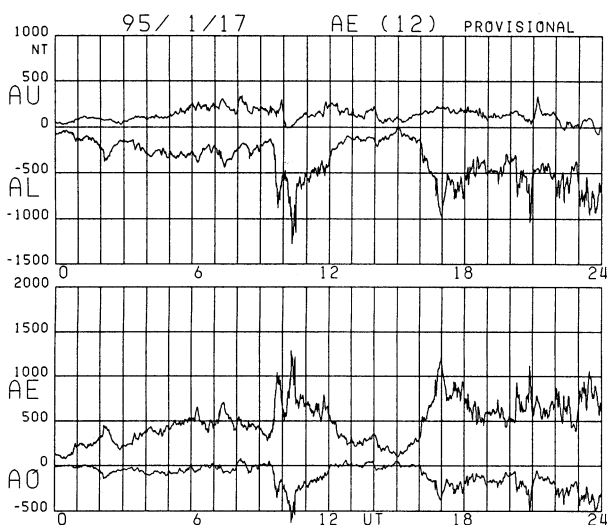
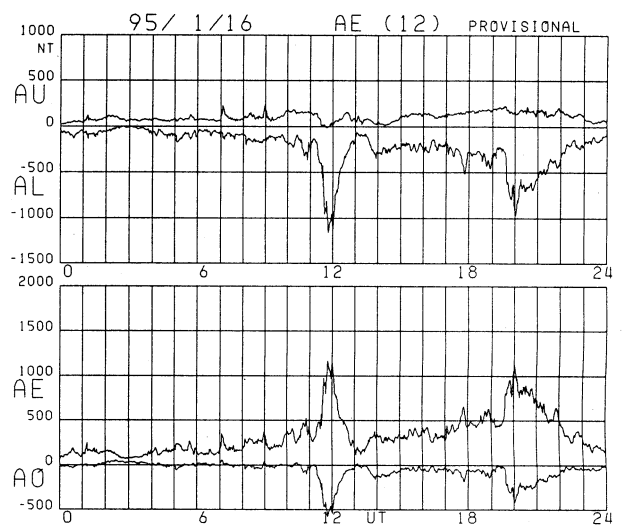
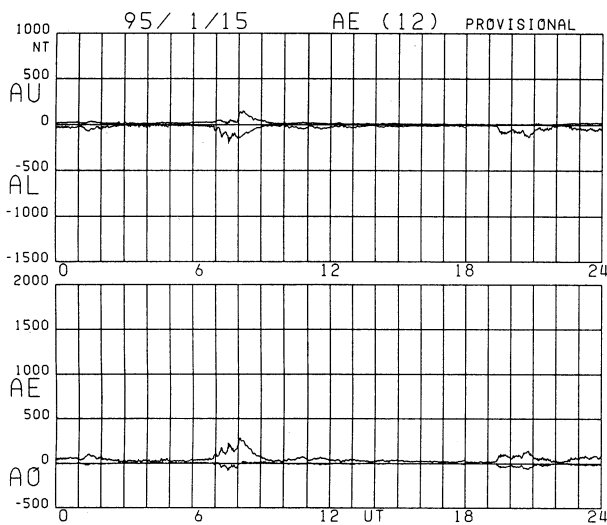
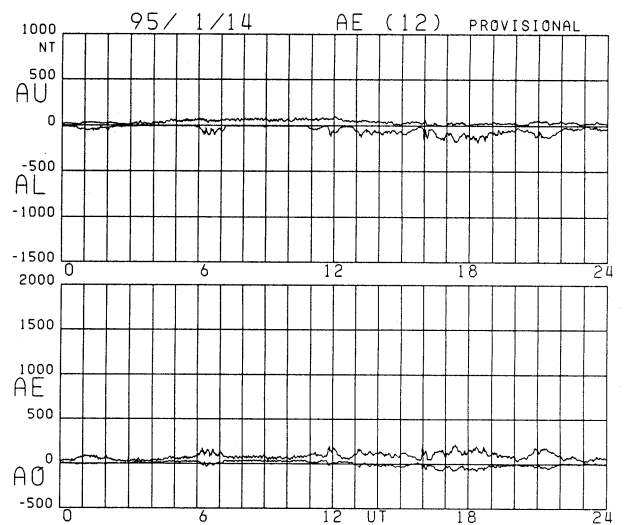
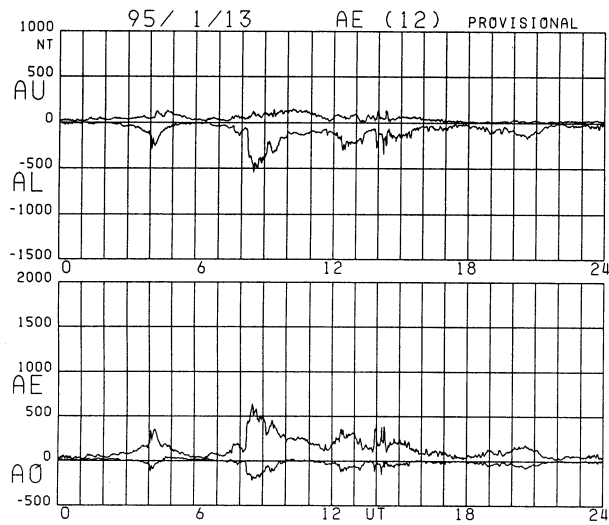
Plots of the contributing station to the AU (upper plumes) and AL (lower plumes) indices, showing which station contributes to these indices at each UT minute.

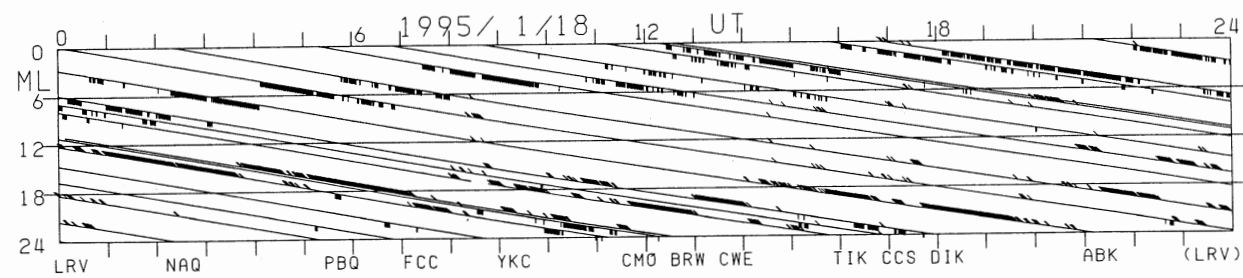
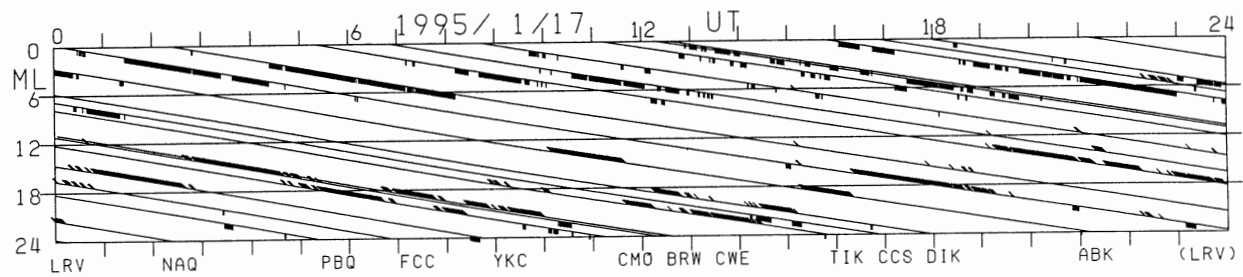
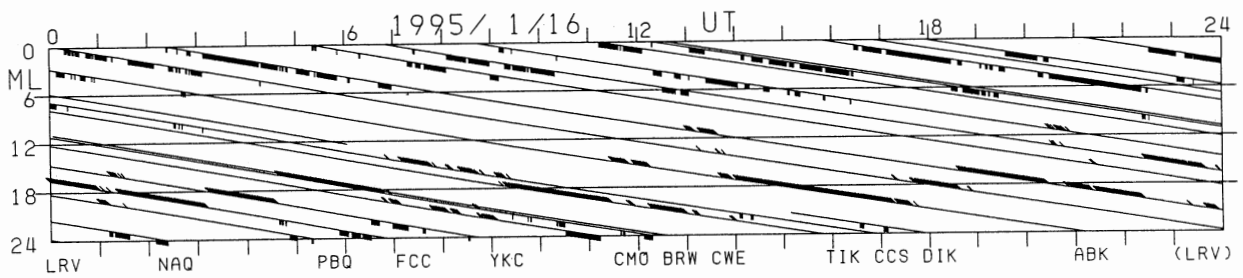
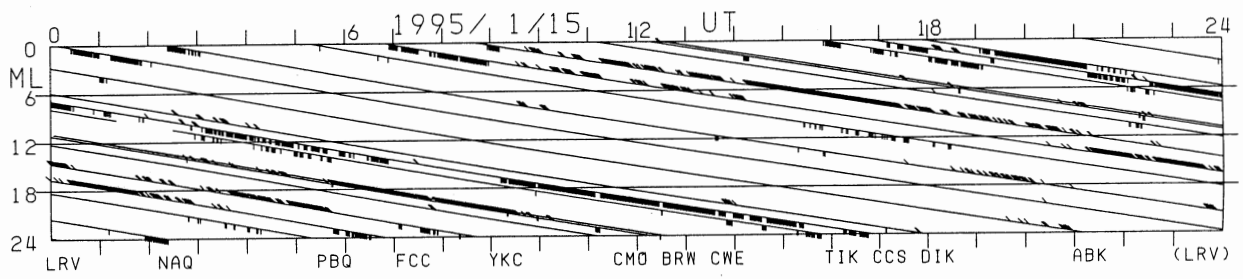
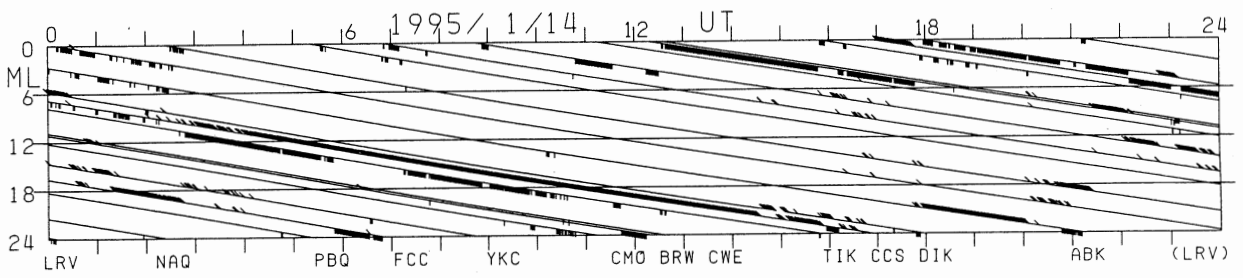
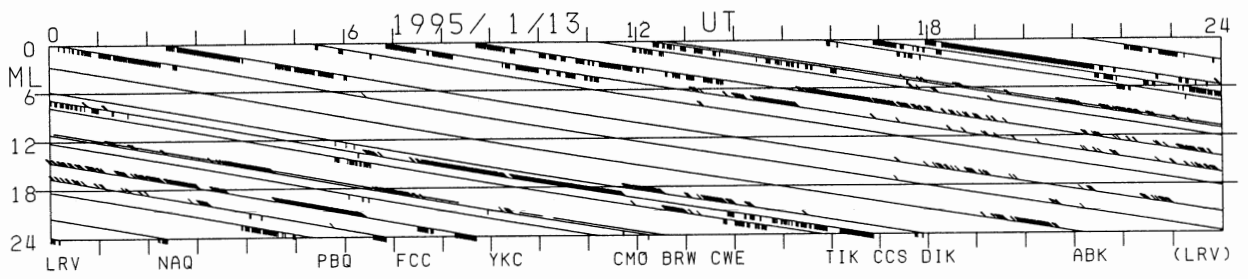


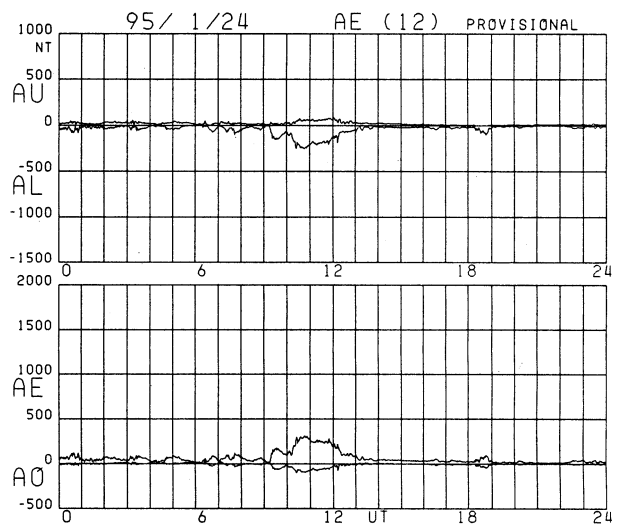
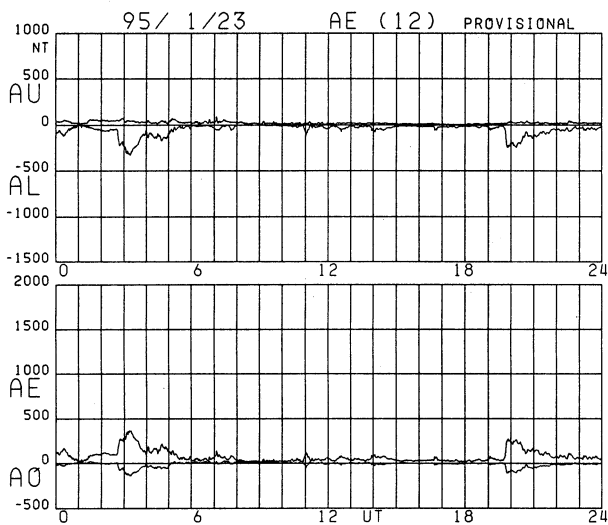
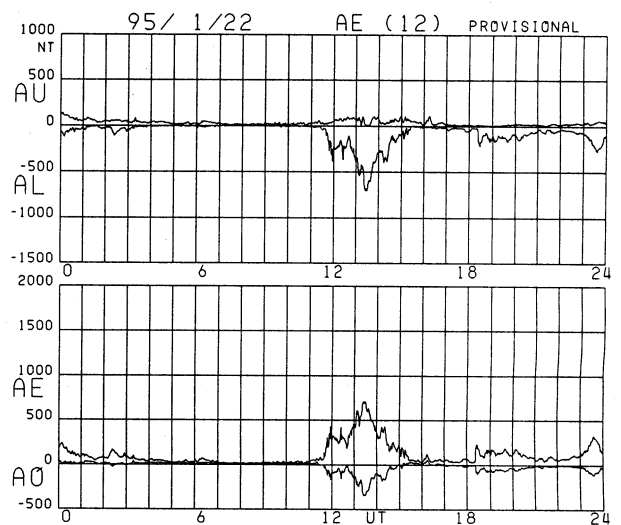
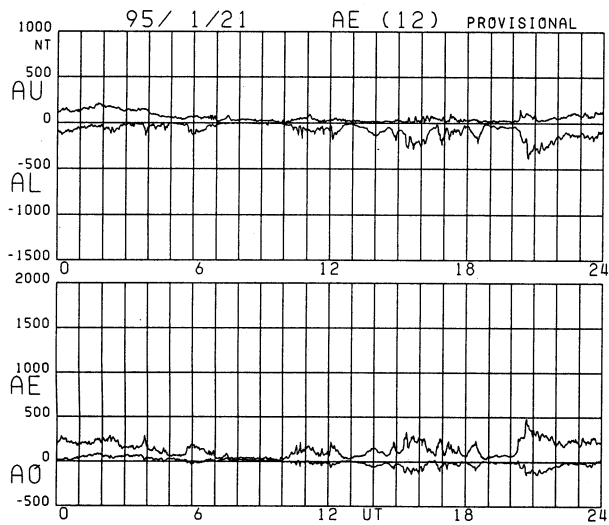
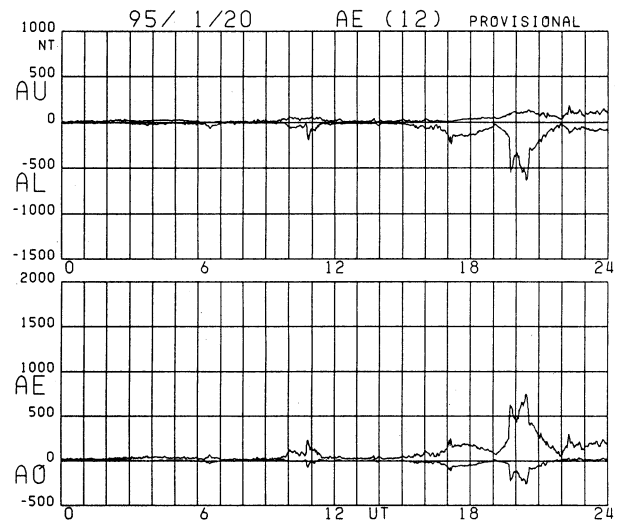
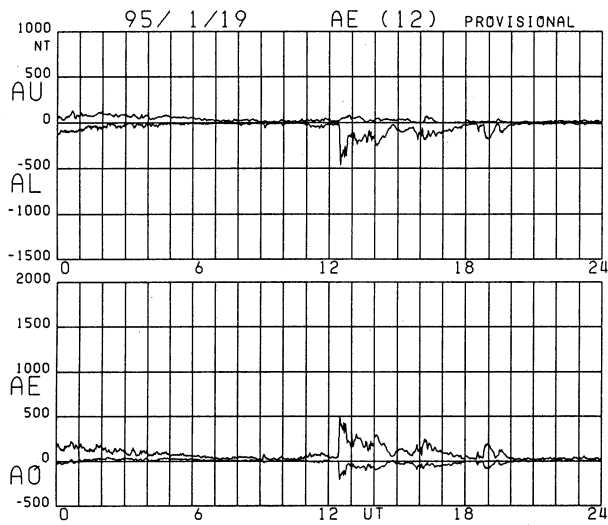


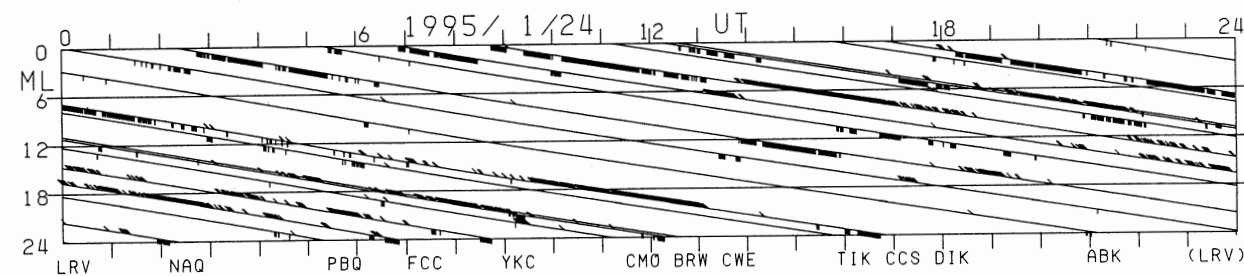
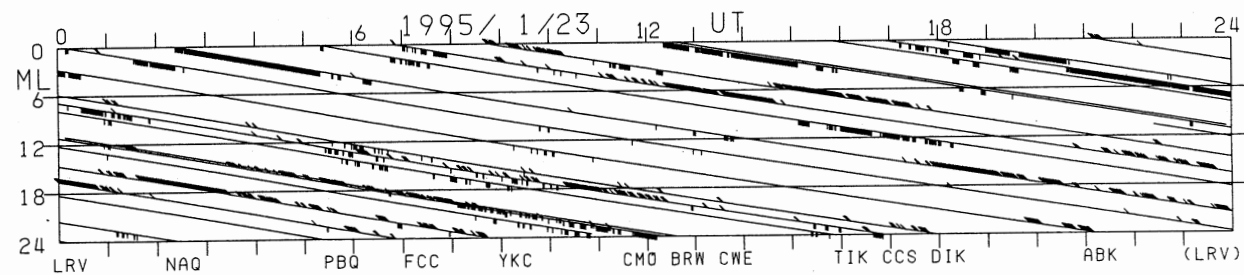
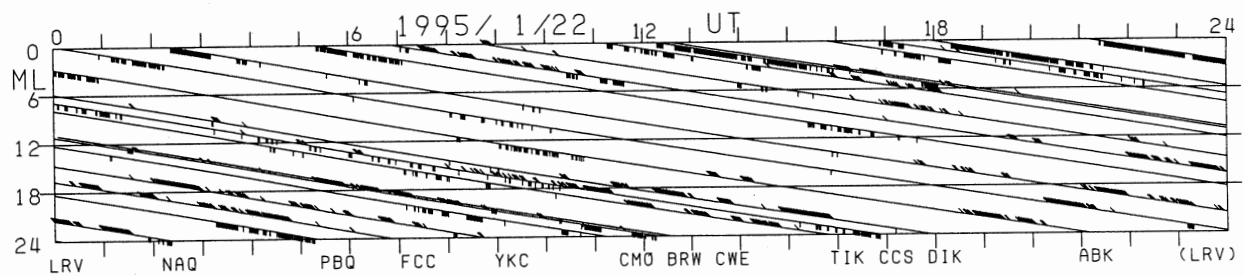
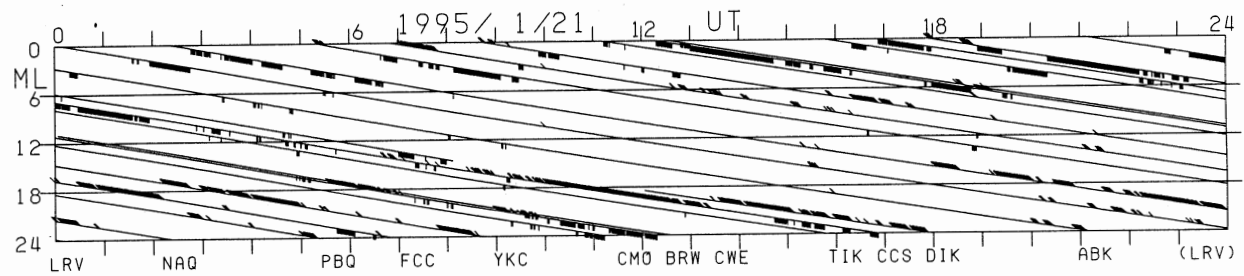
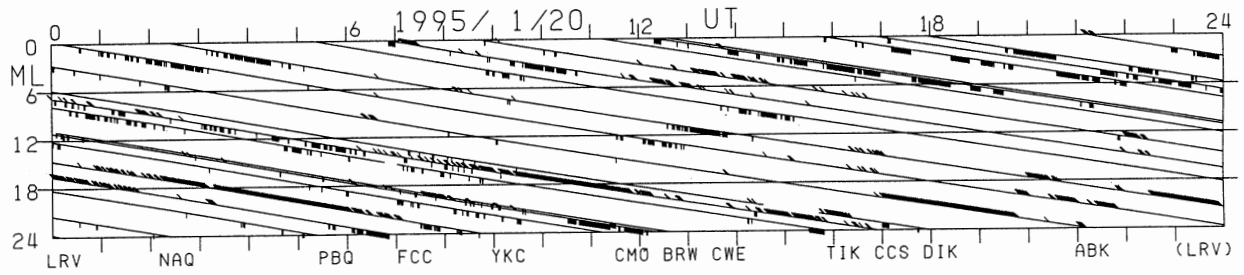
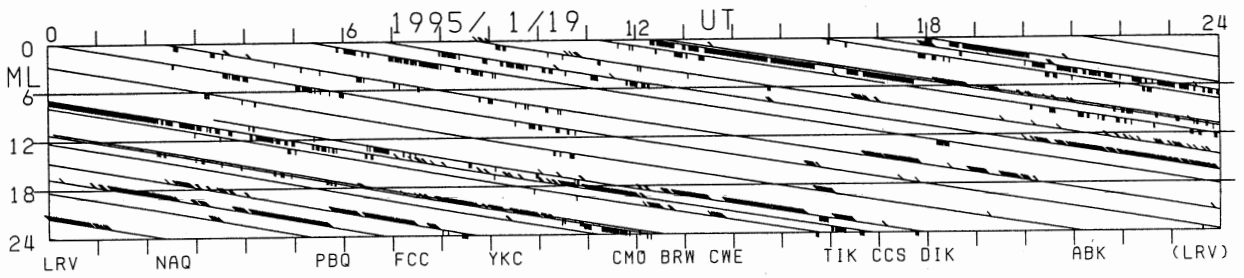


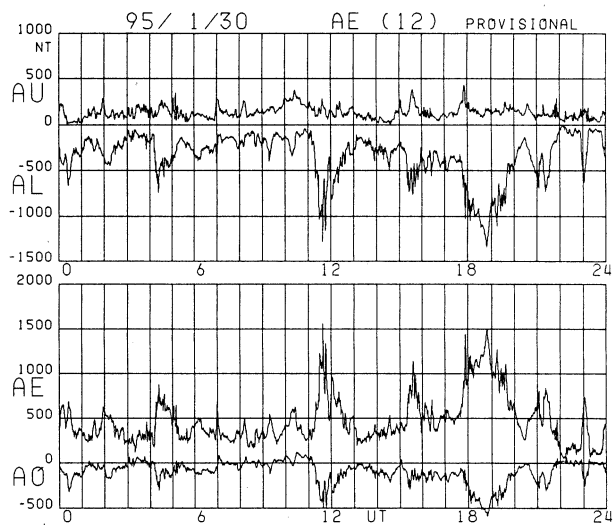
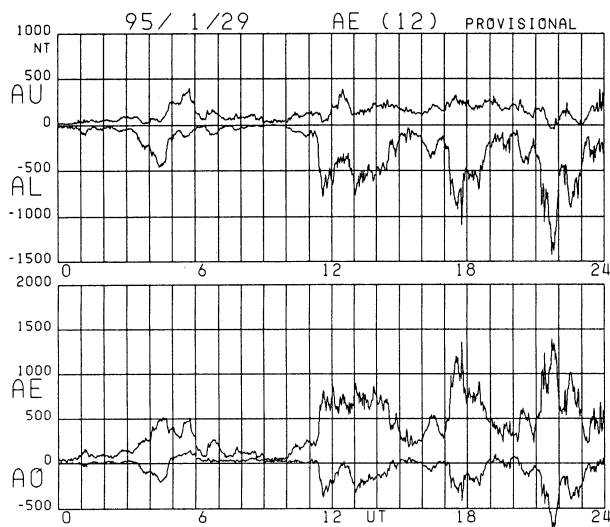
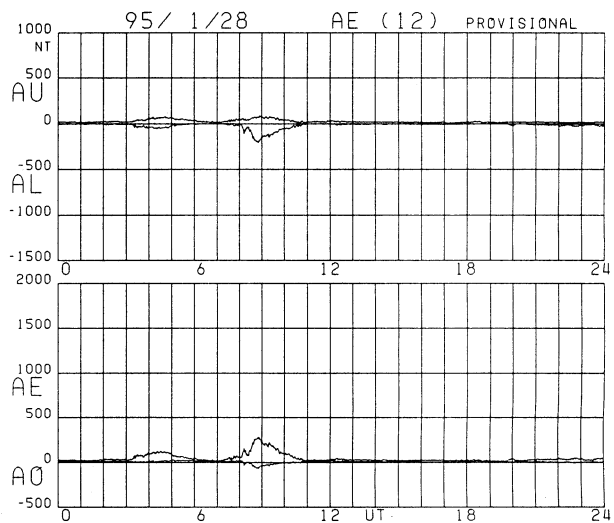
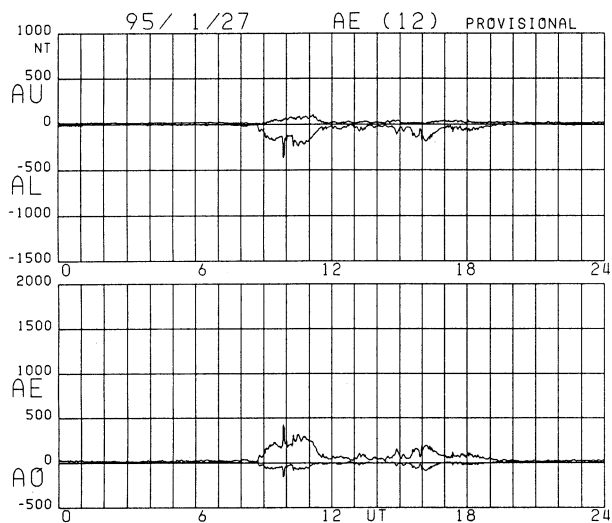
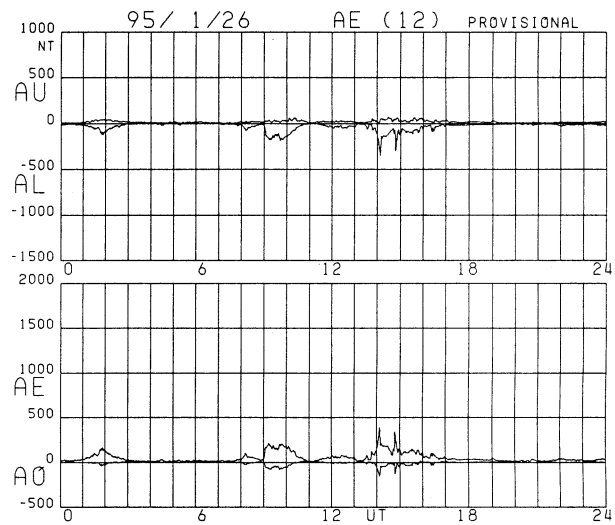
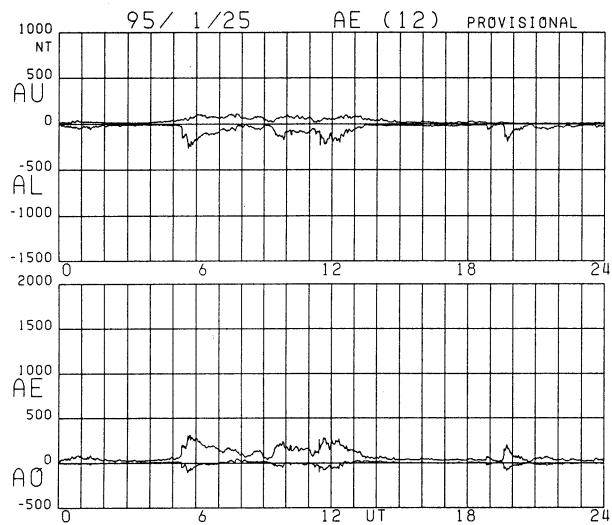


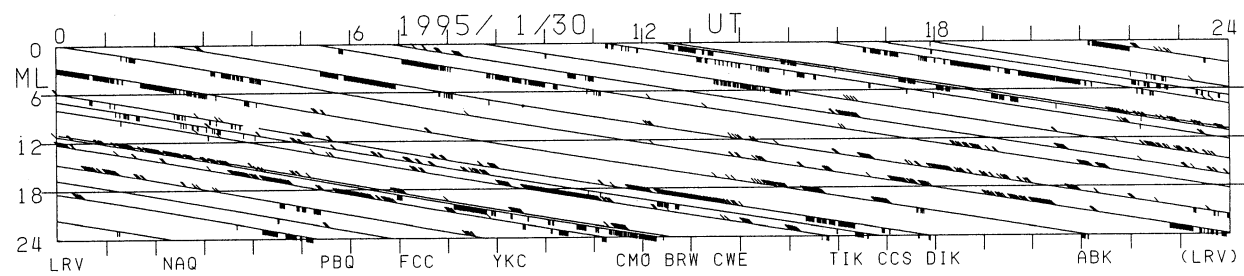
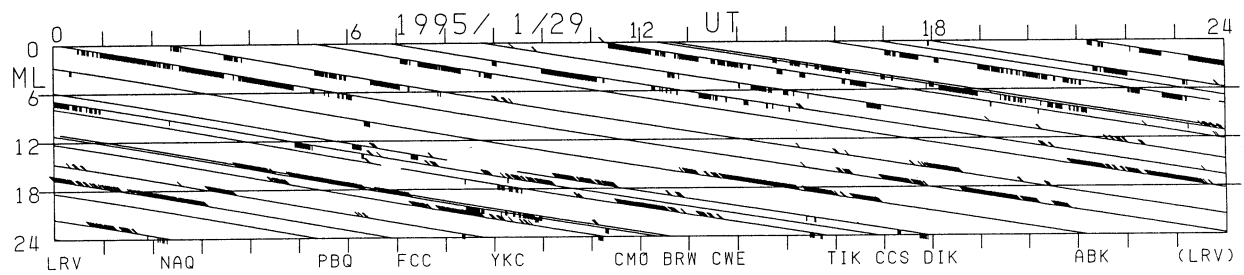
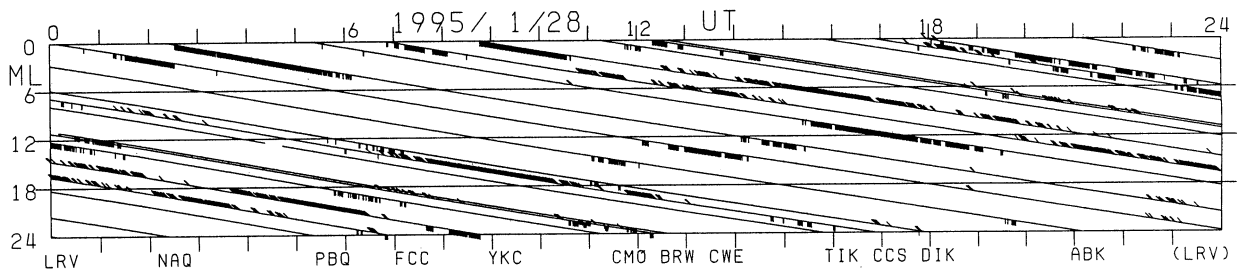
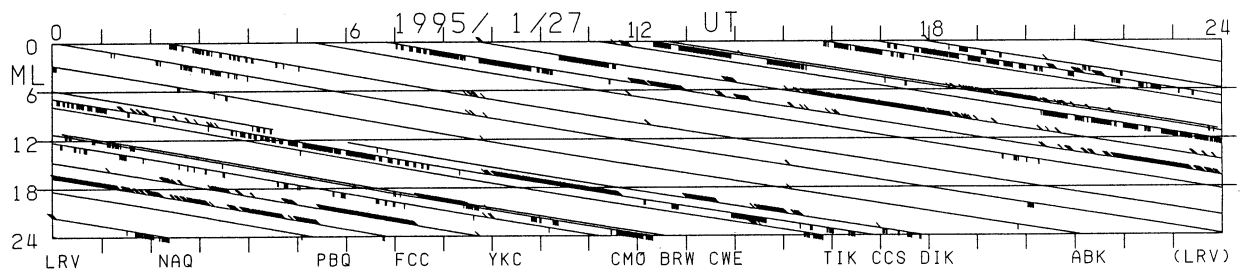
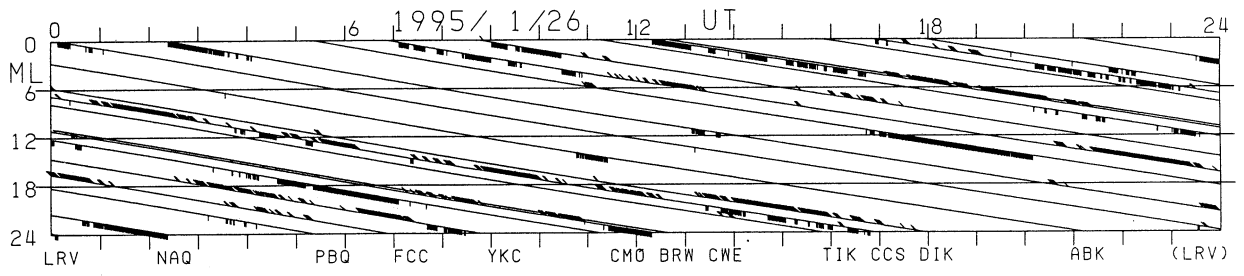
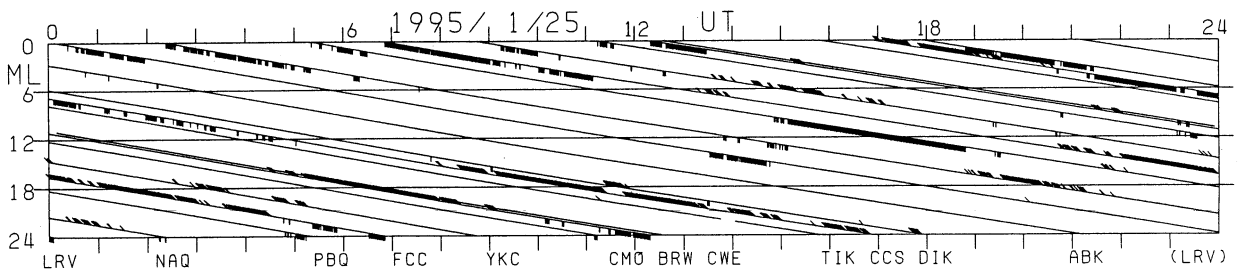


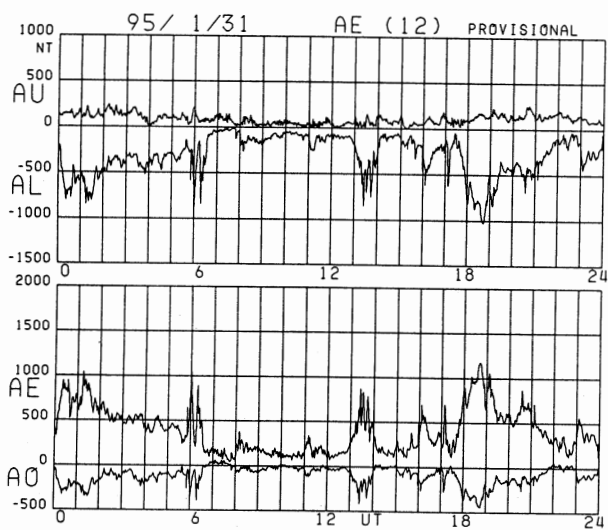


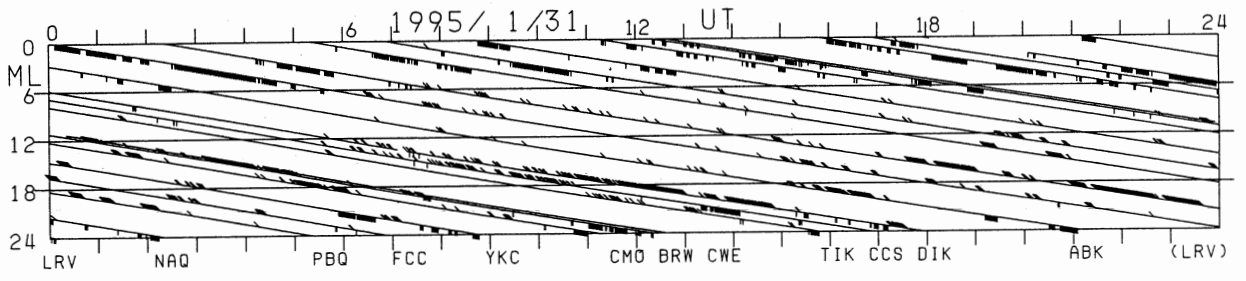


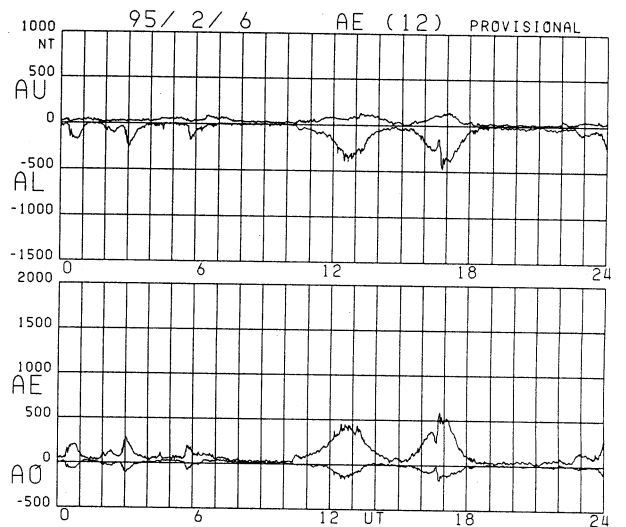
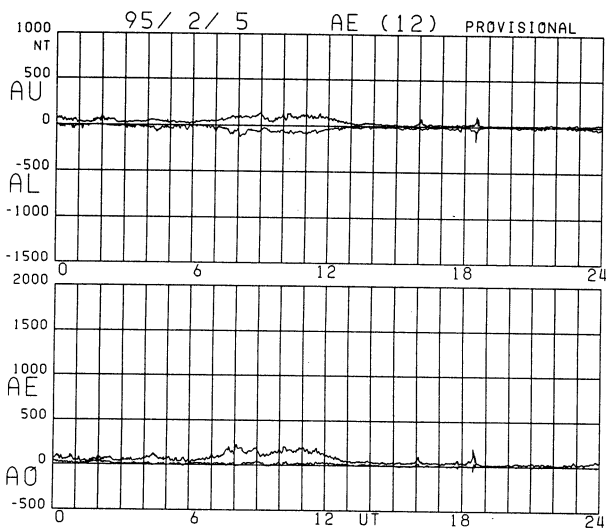
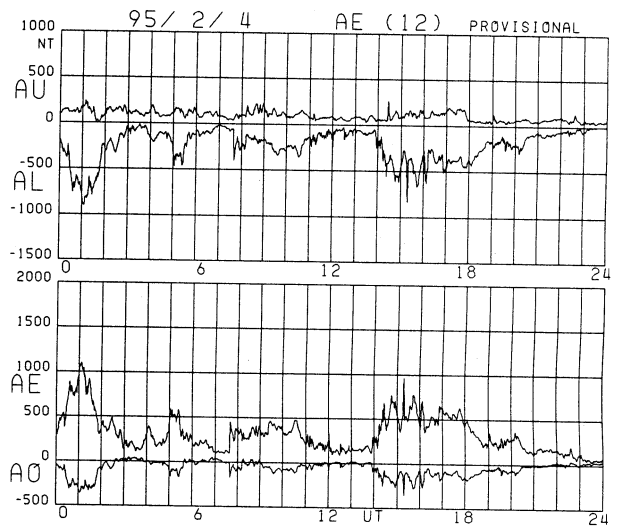
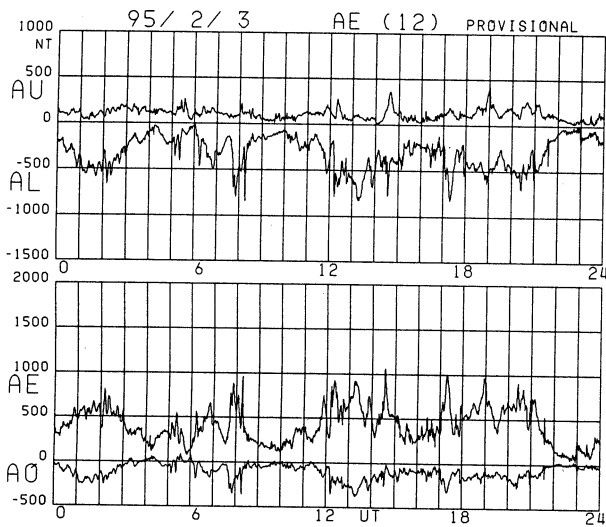
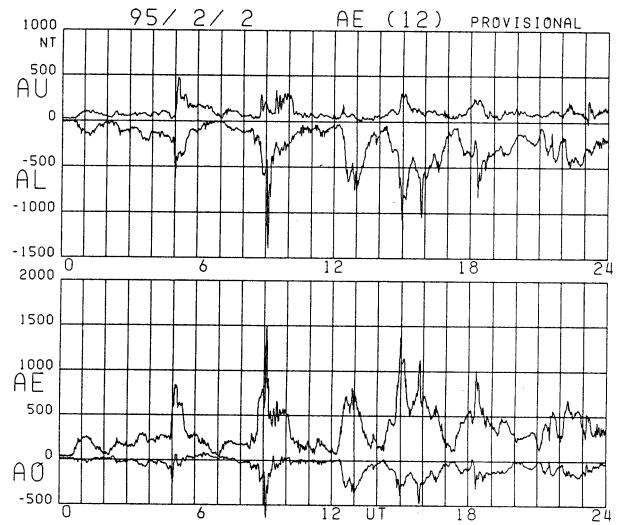
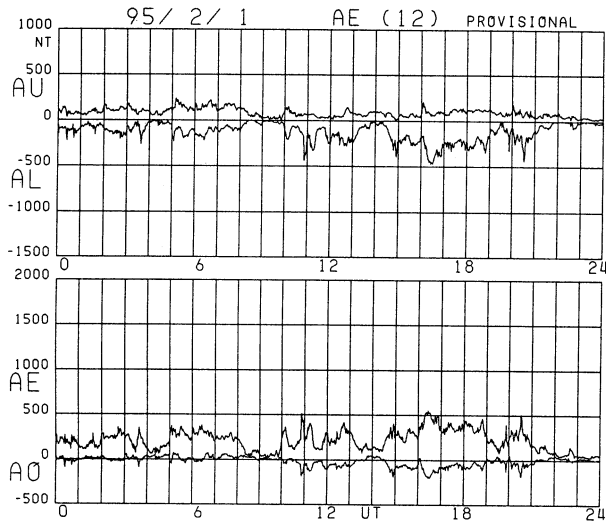


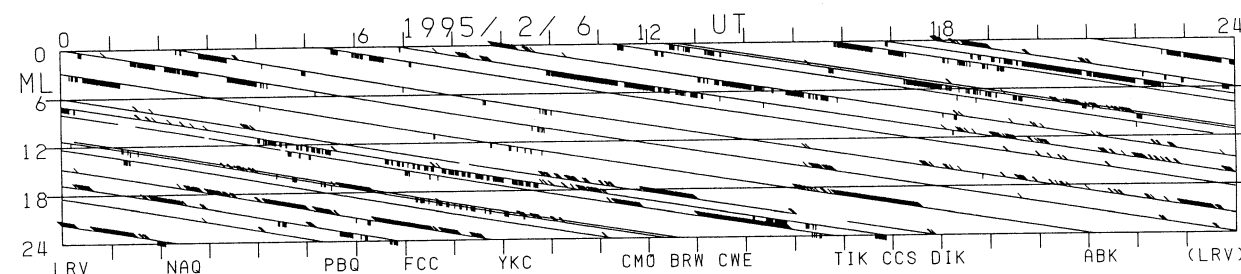
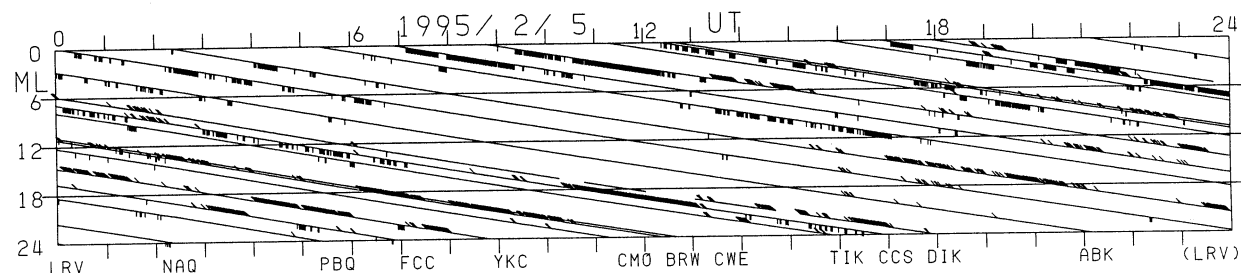
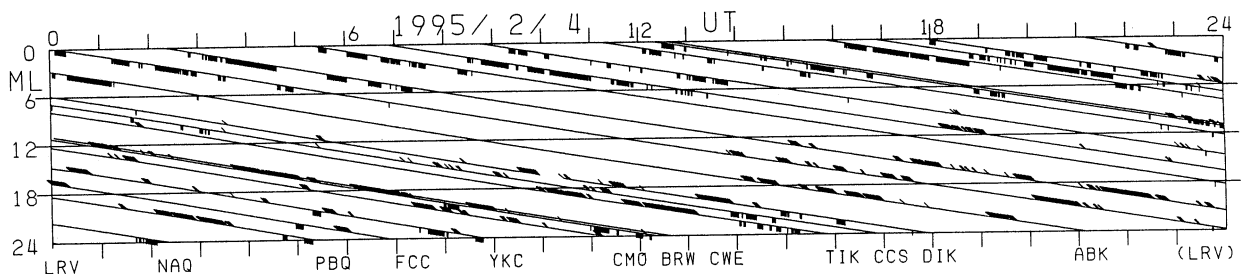
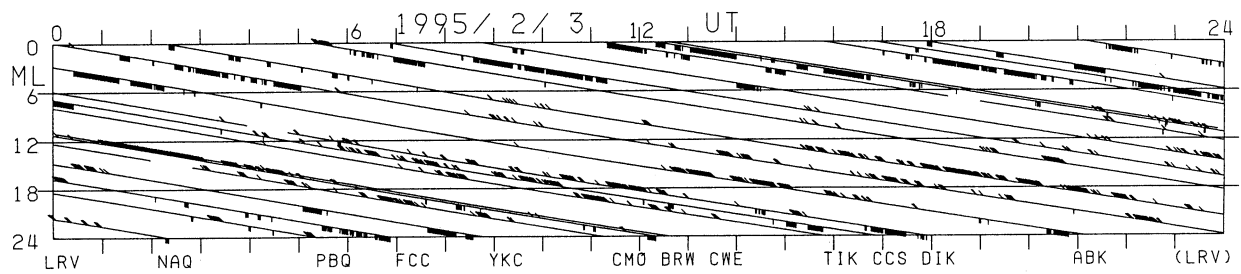
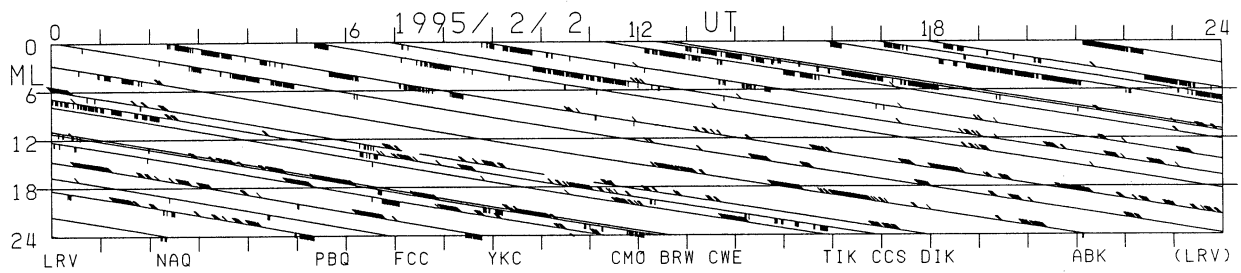
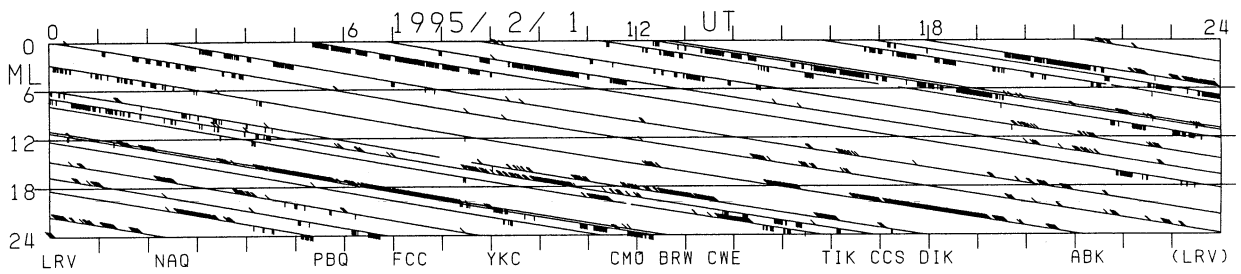


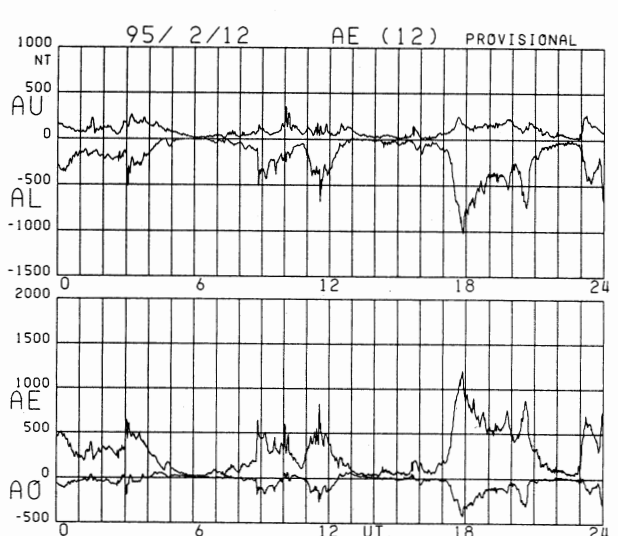
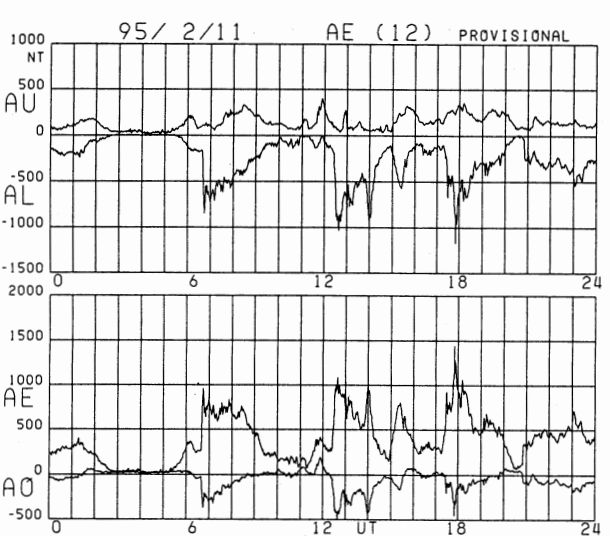
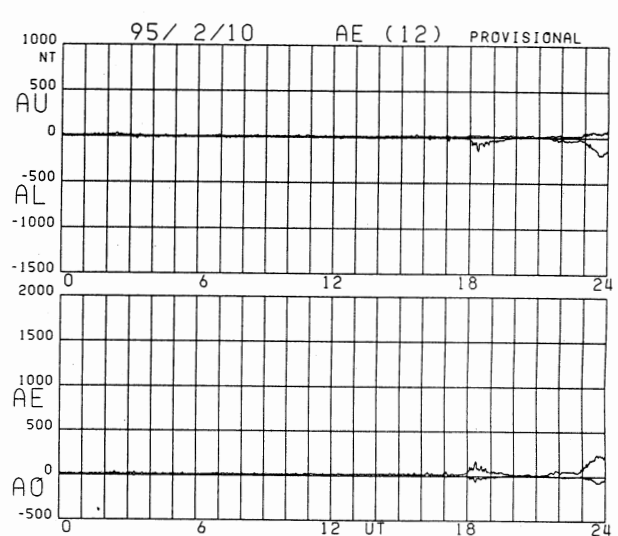
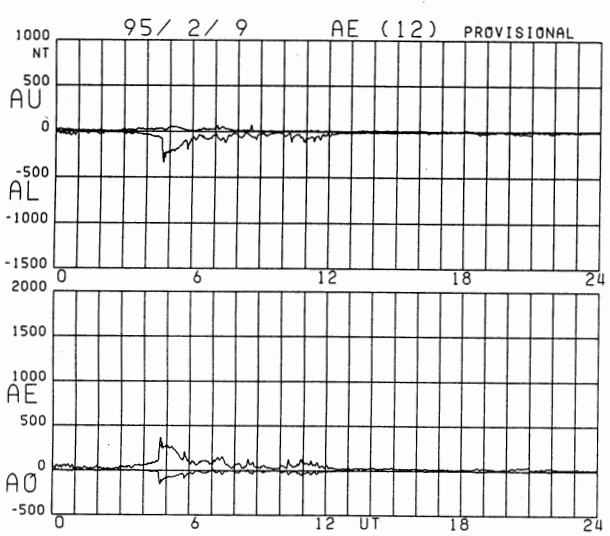
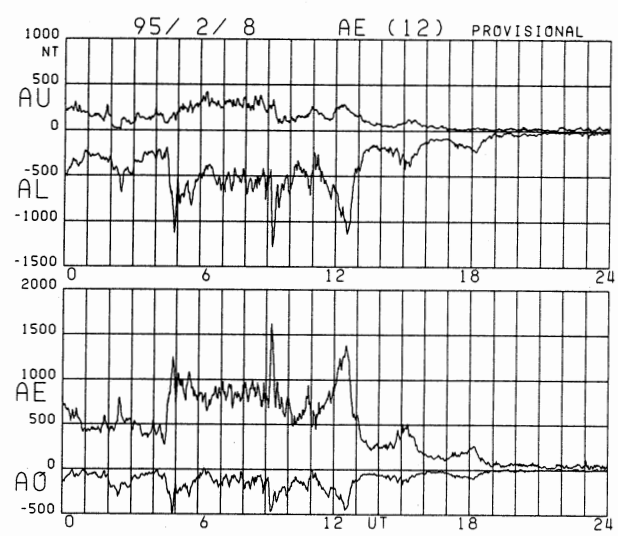
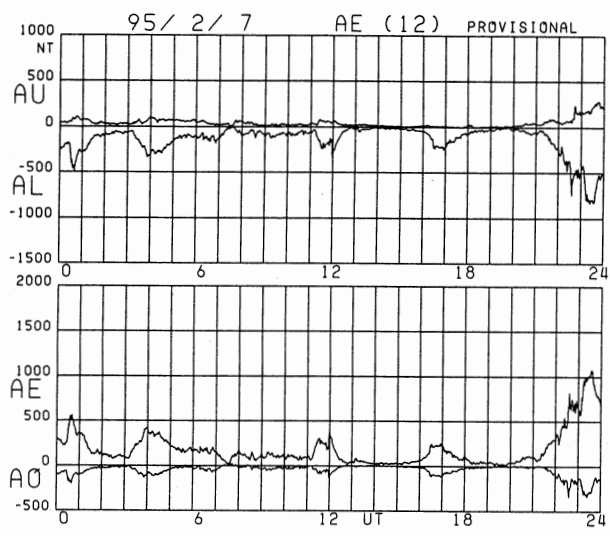


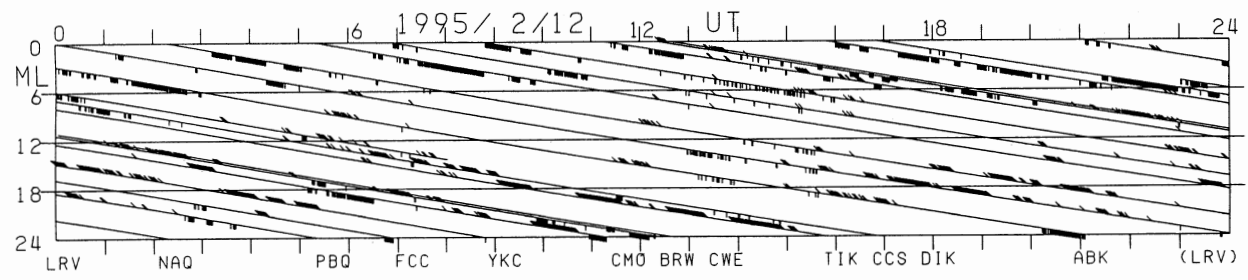
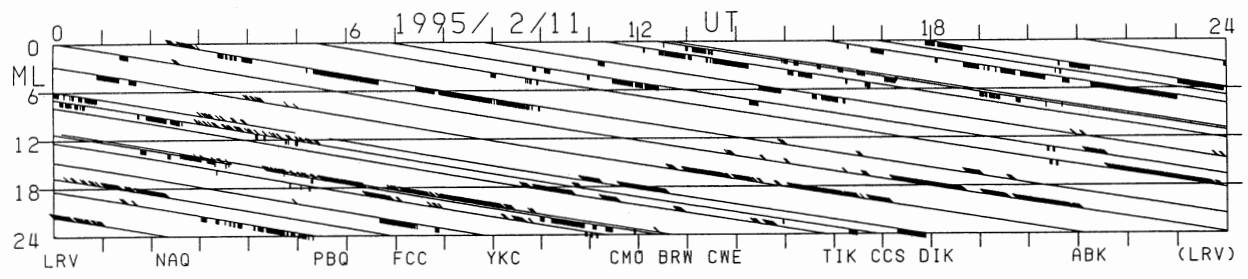
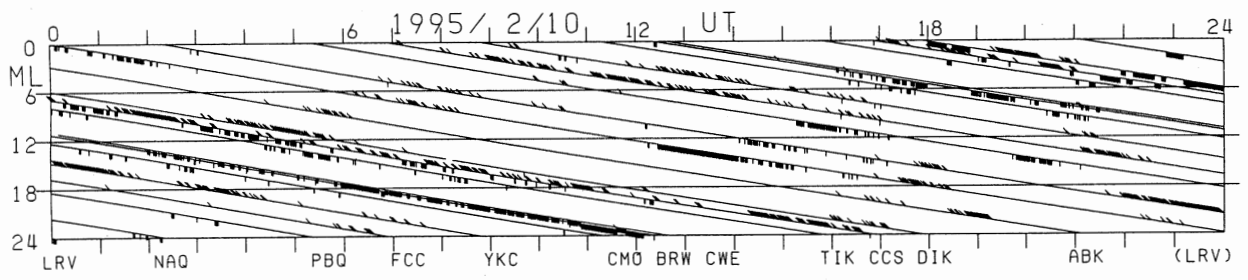
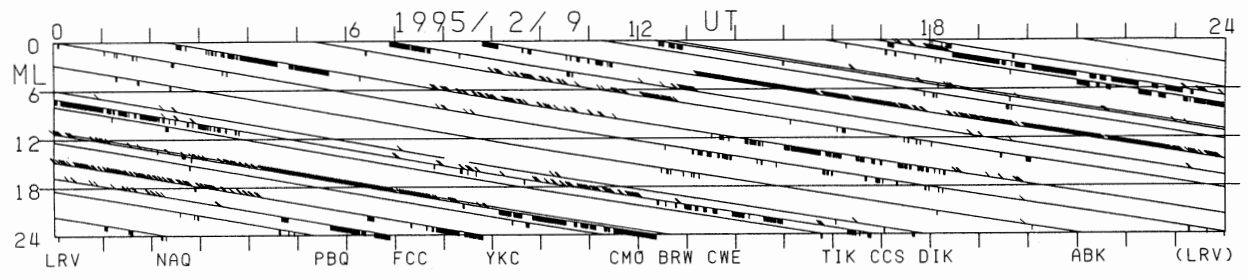
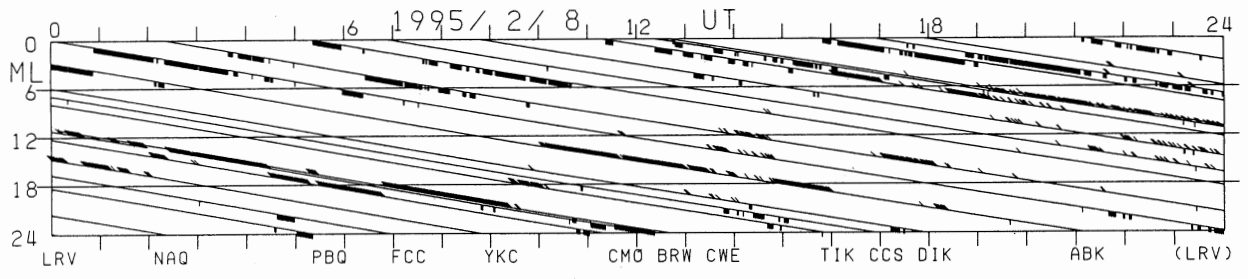
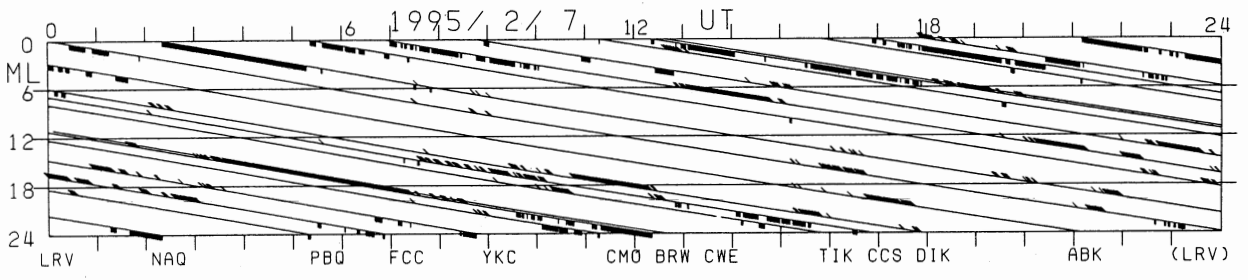


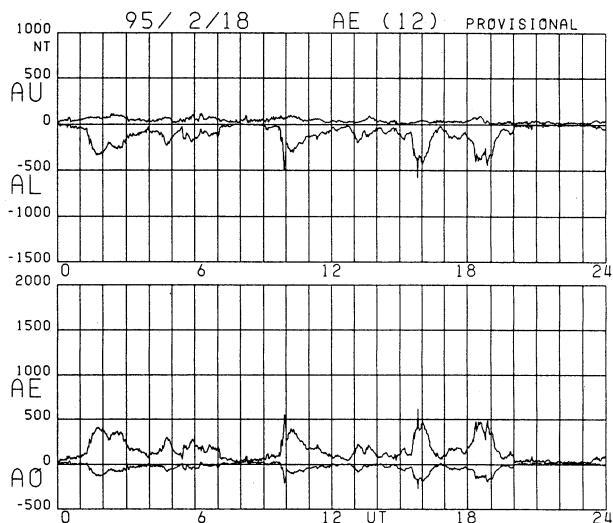
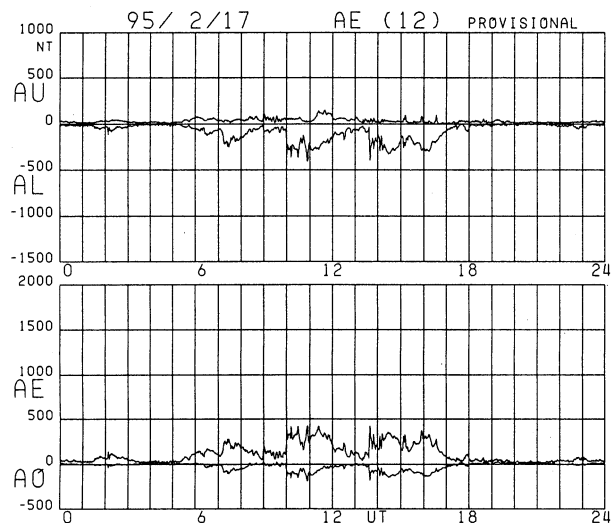
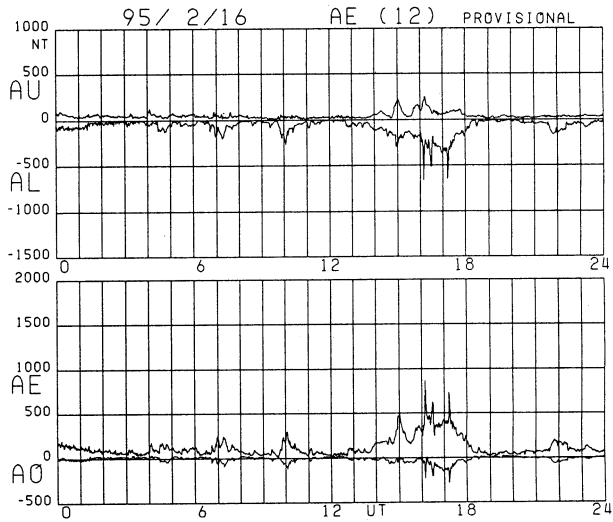
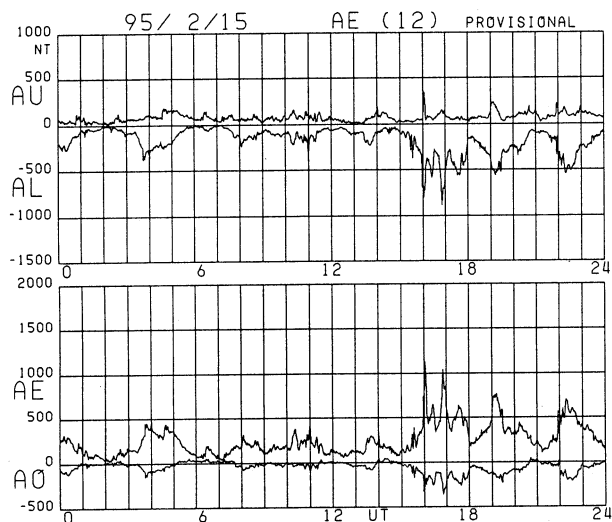
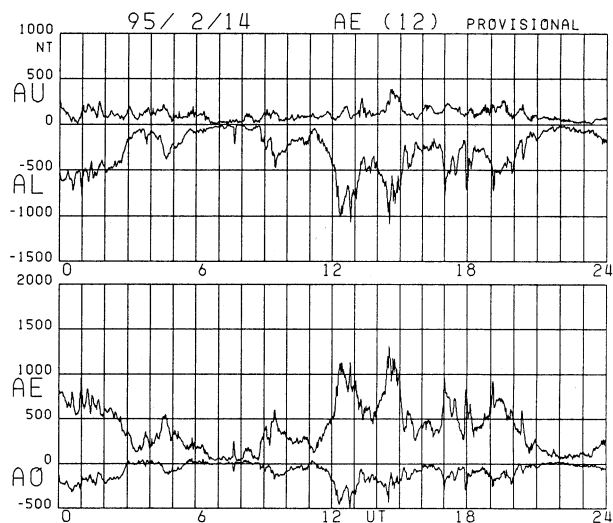
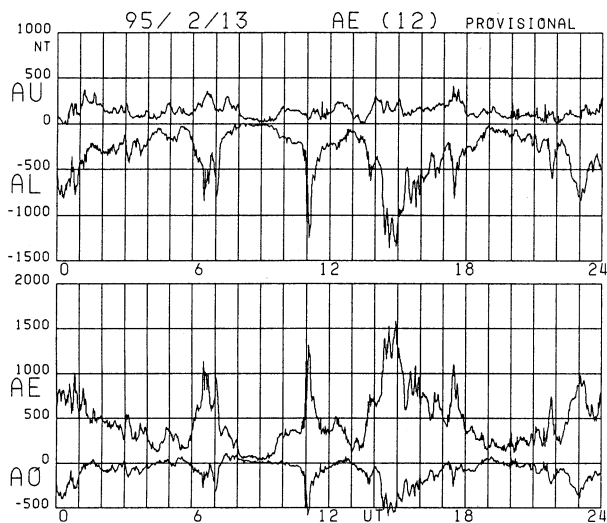


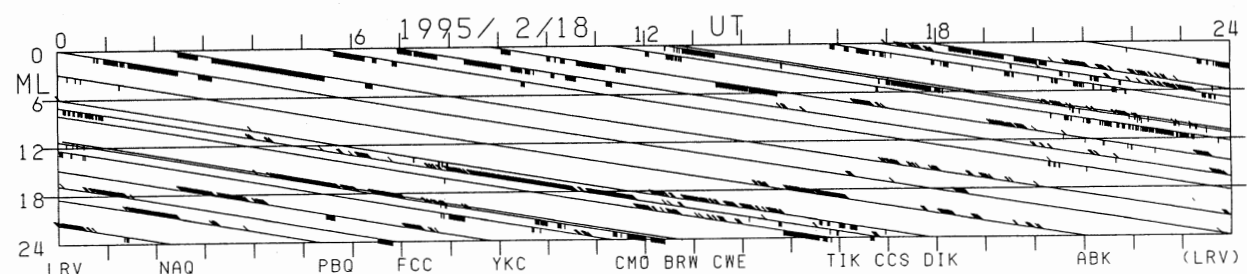
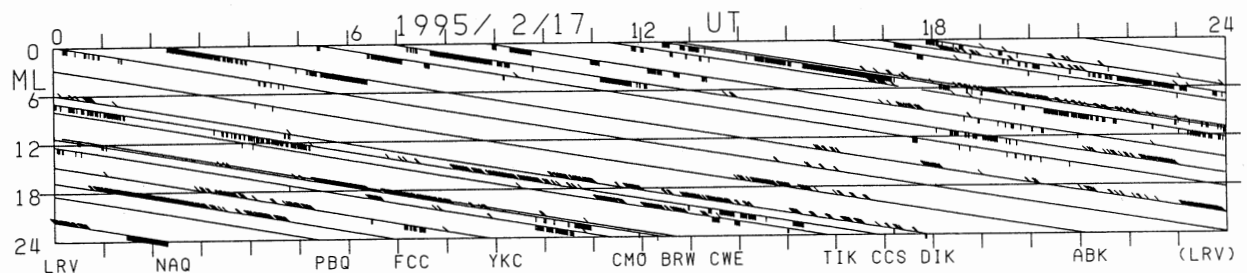
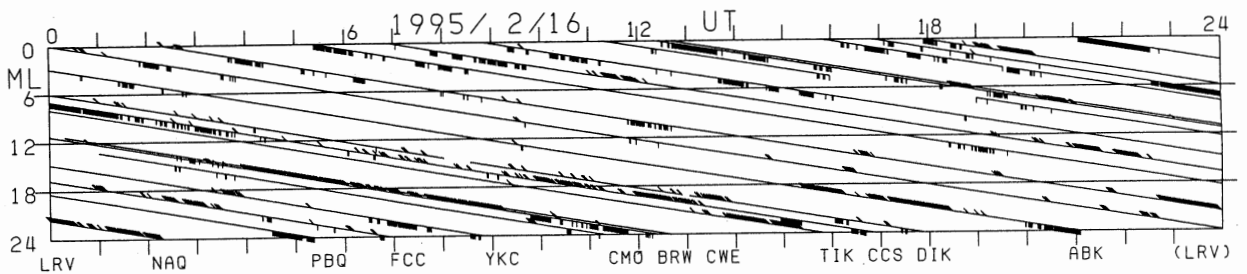
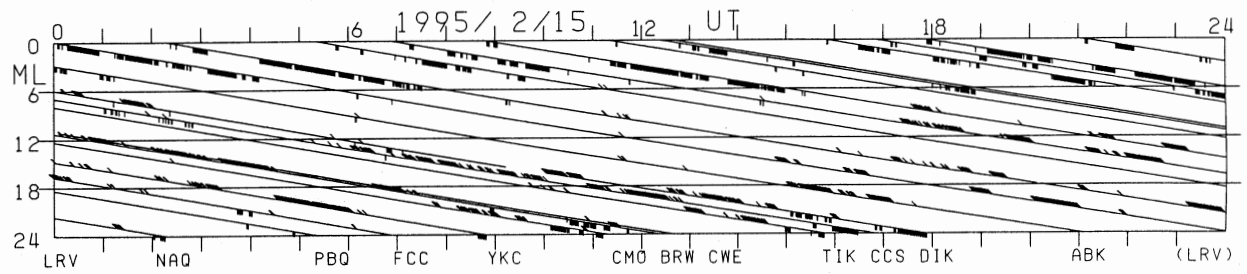
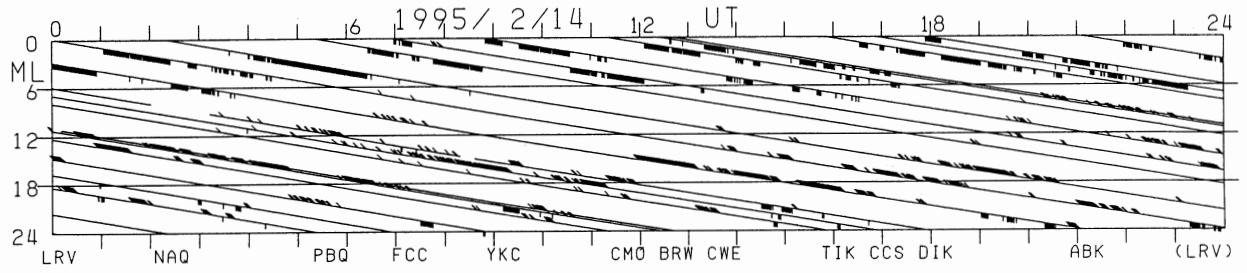
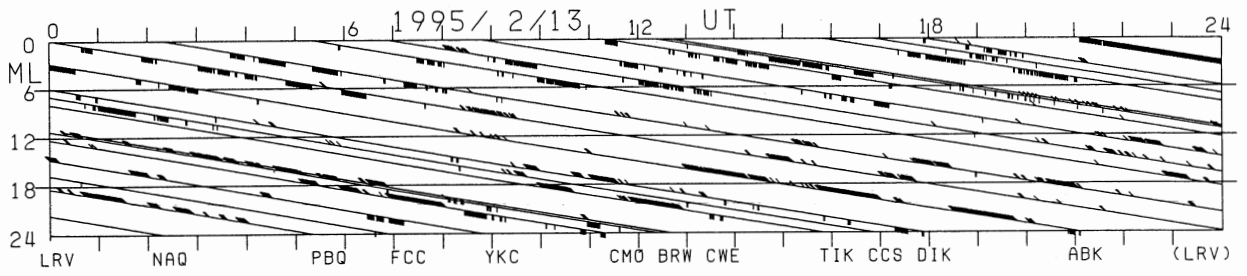


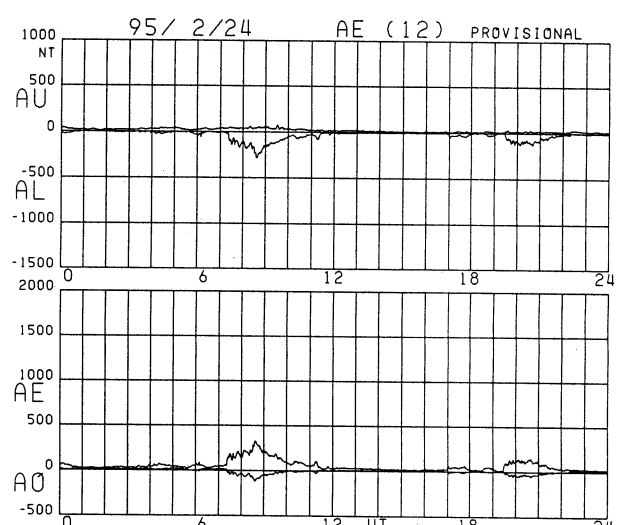
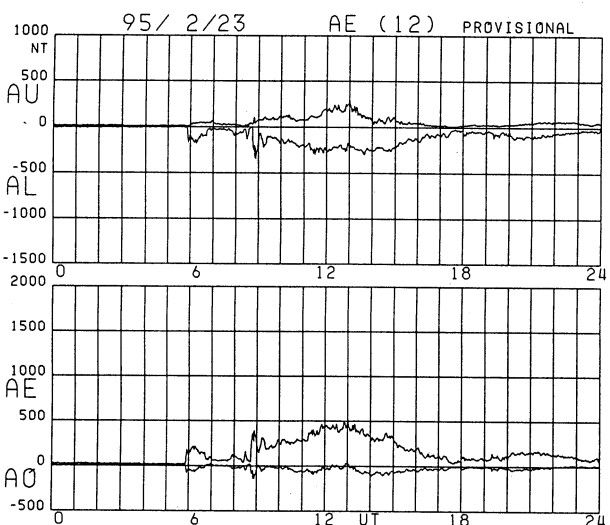
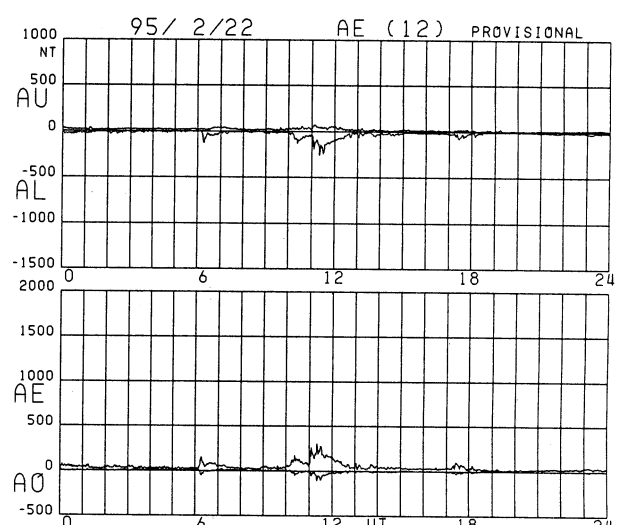
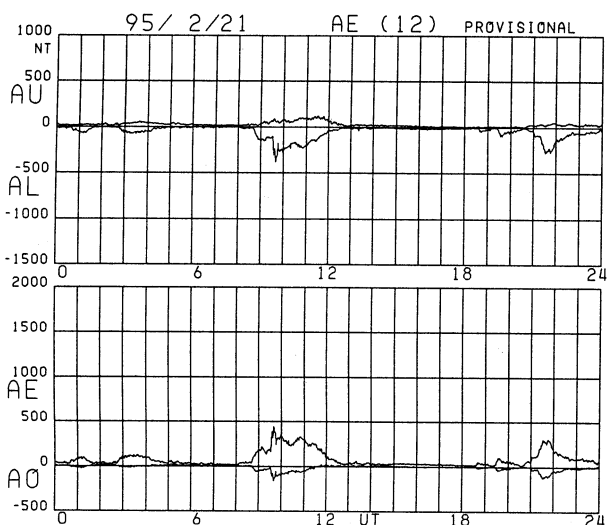
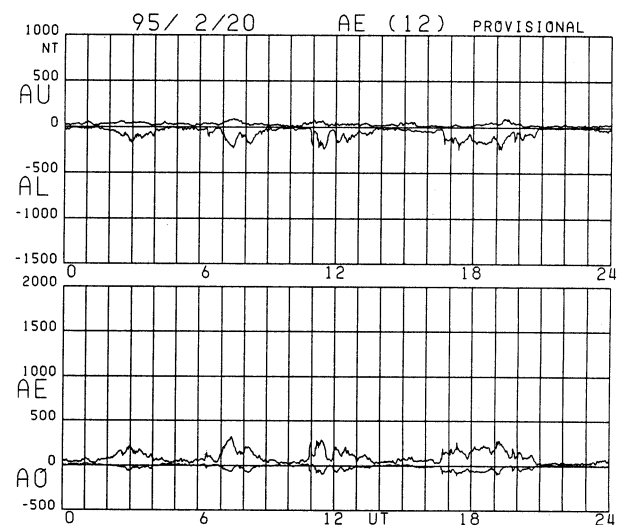
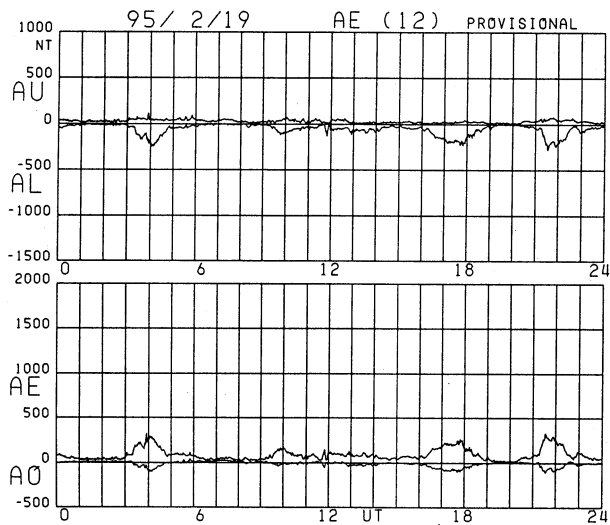


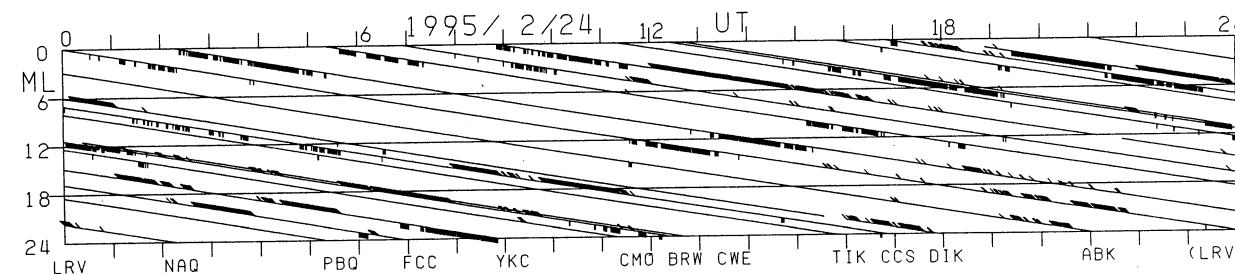
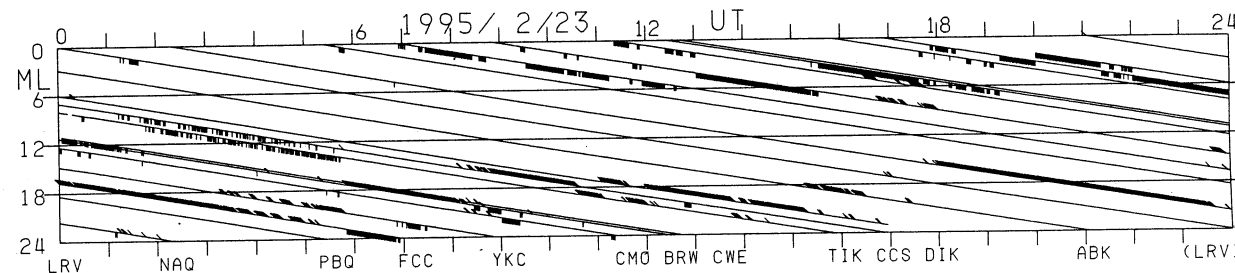
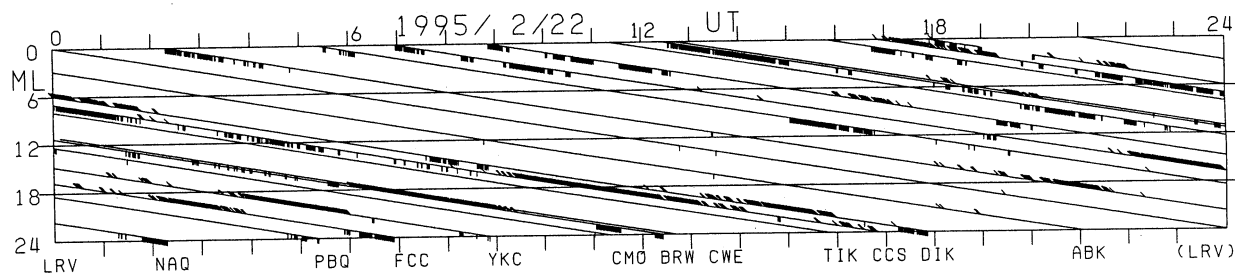
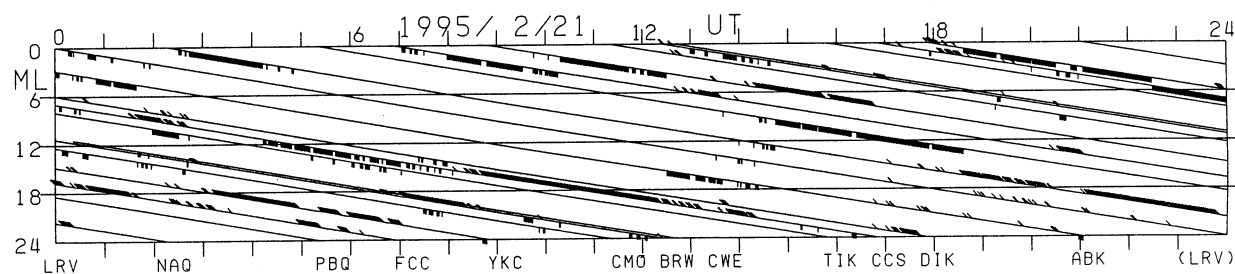
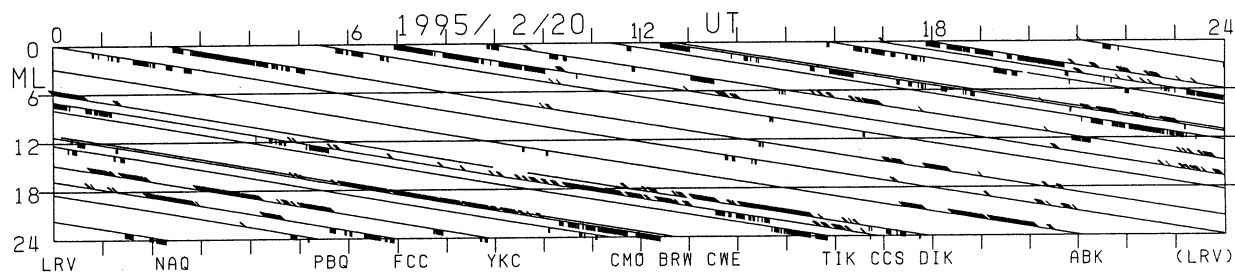
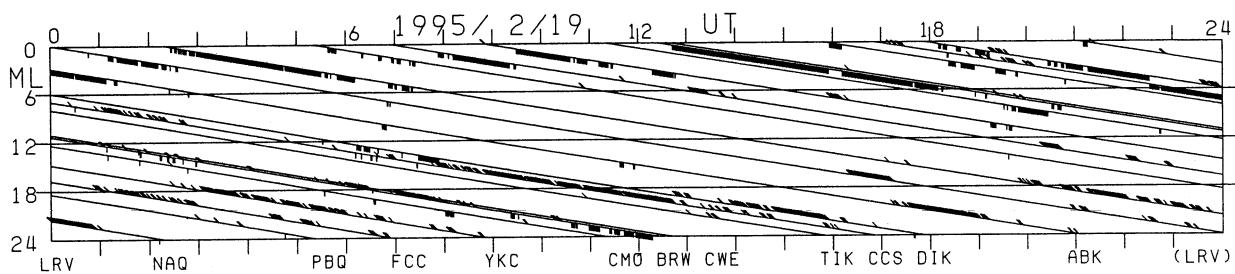


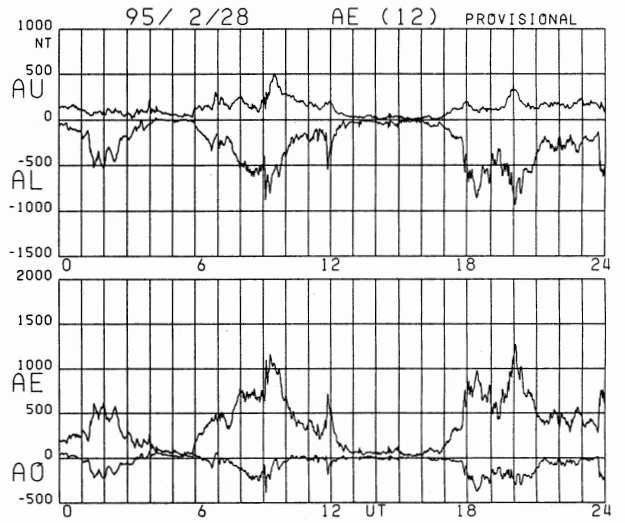
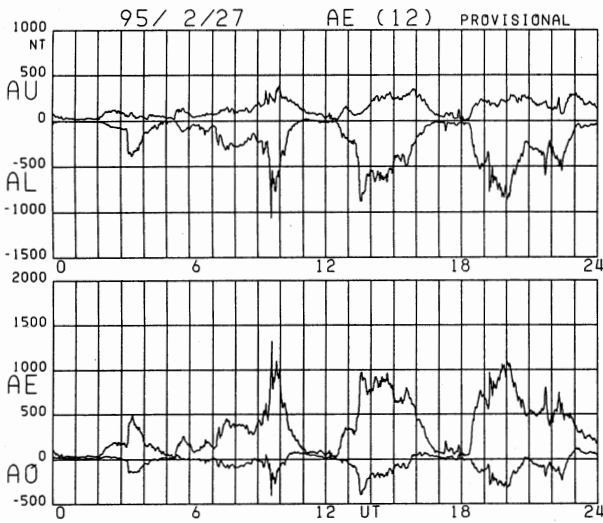
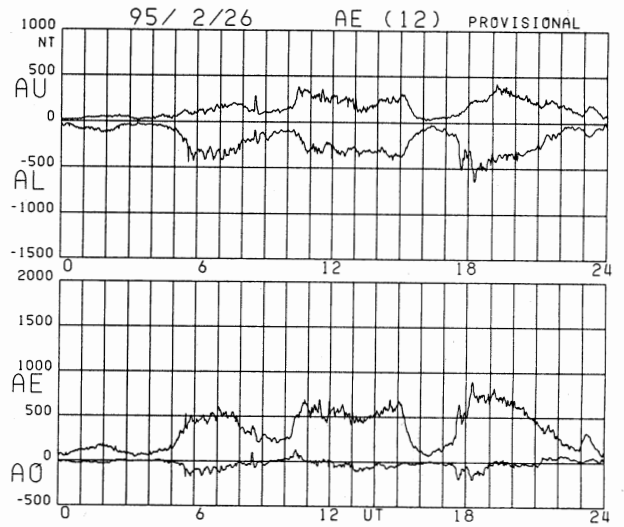
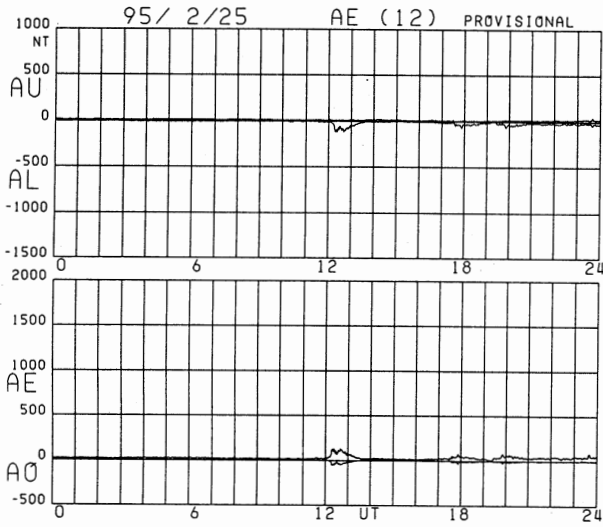


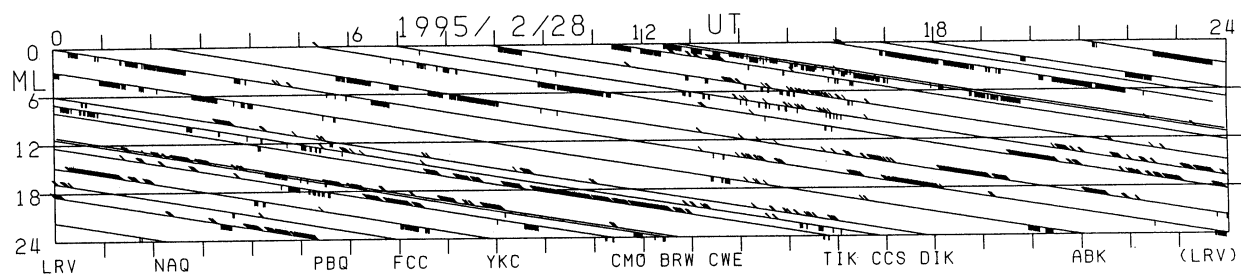
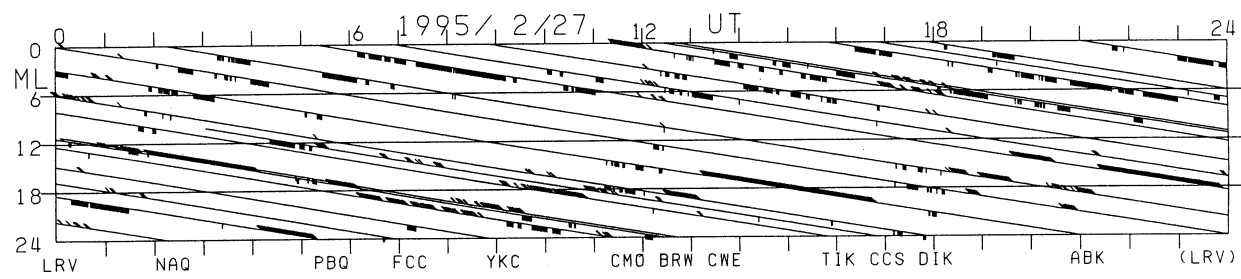
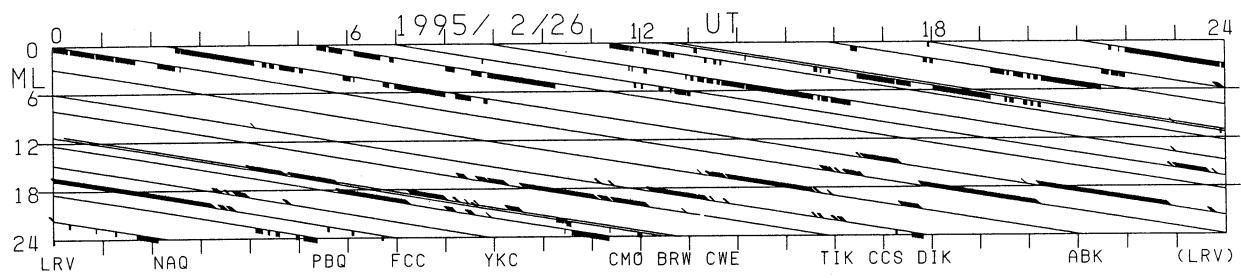
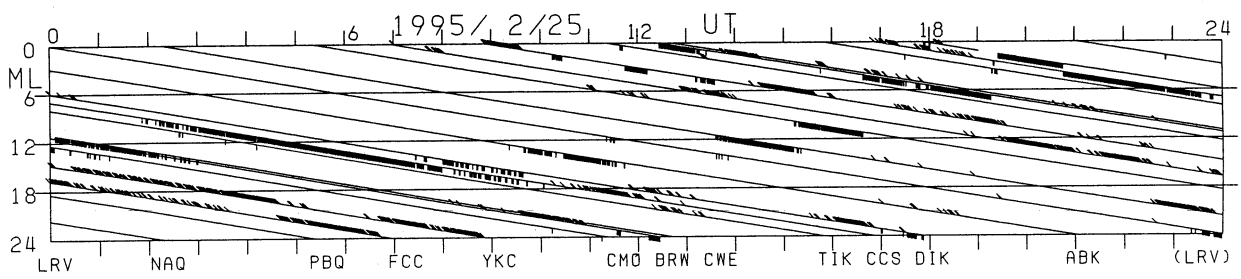


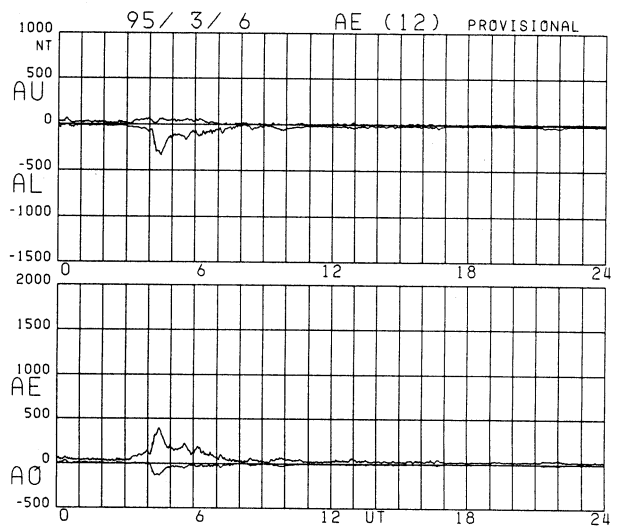
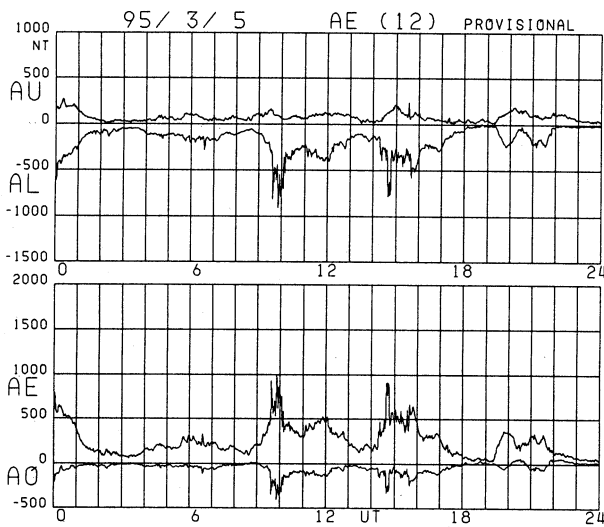
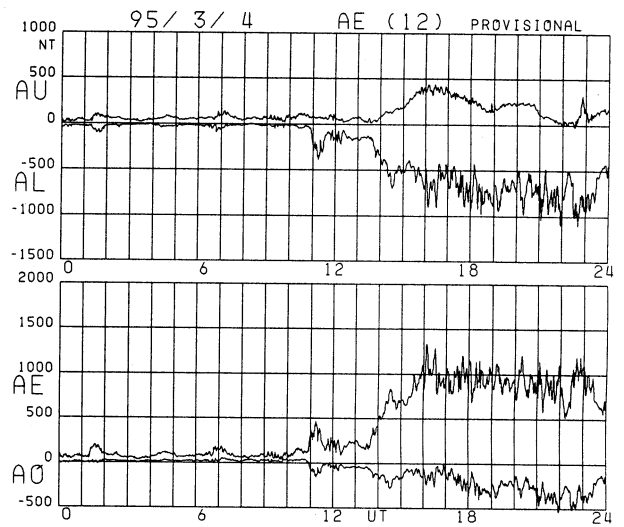
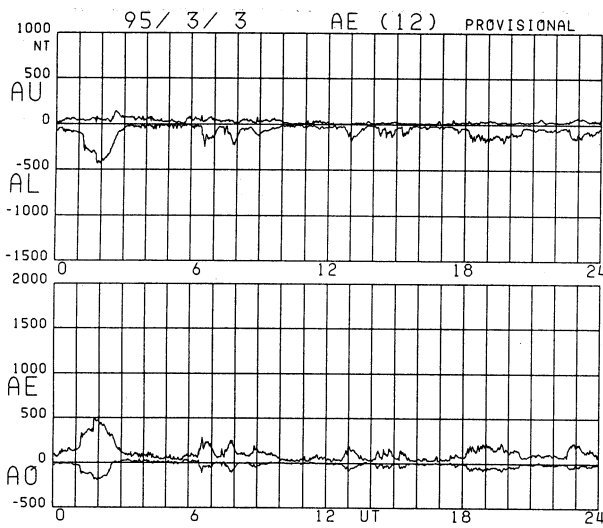
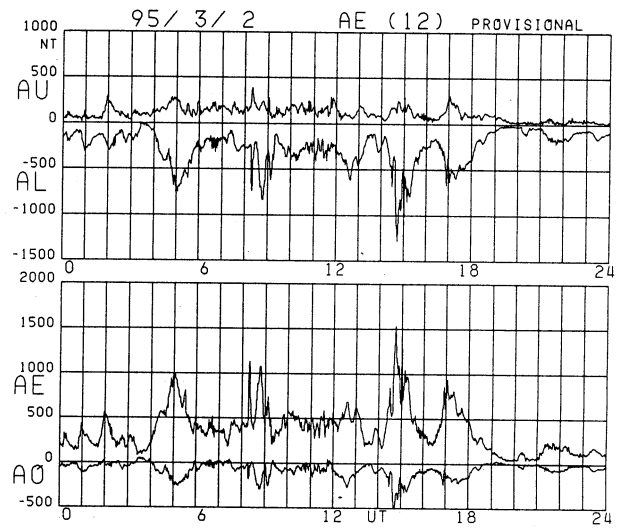
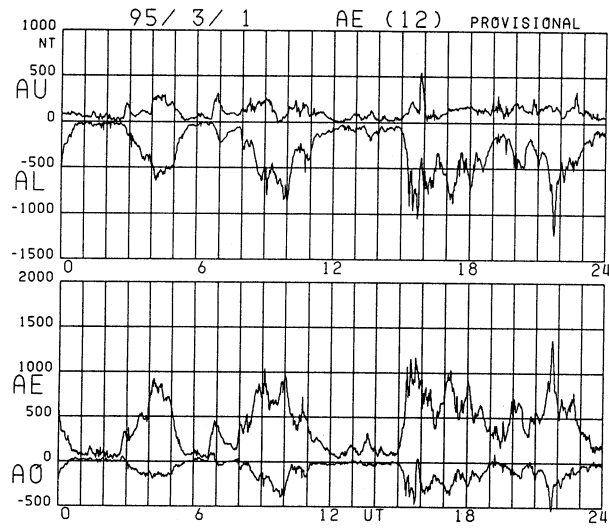


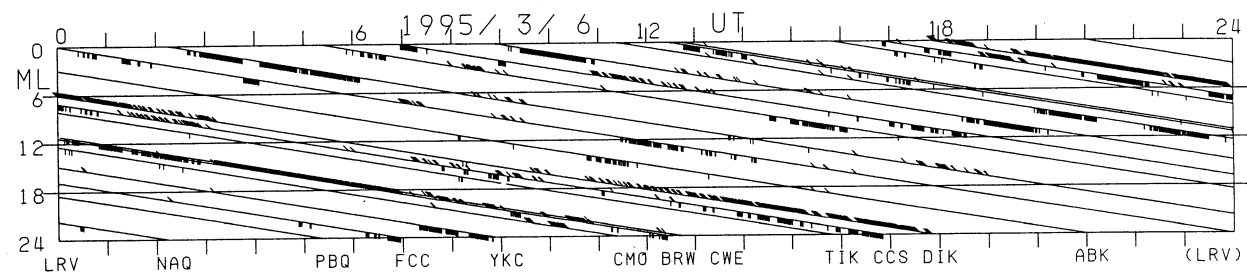
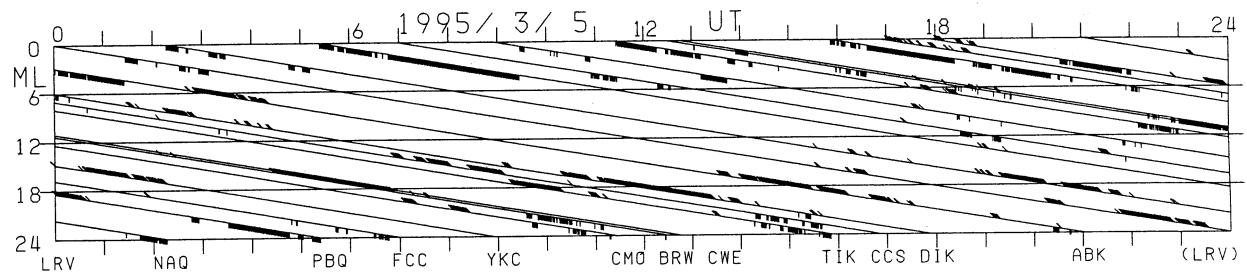
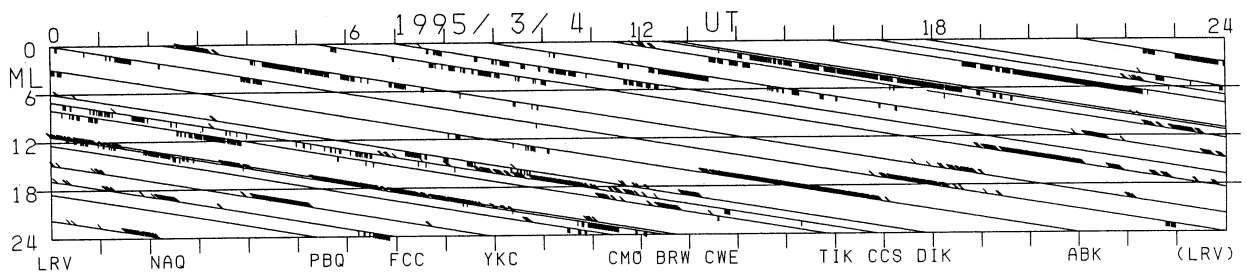
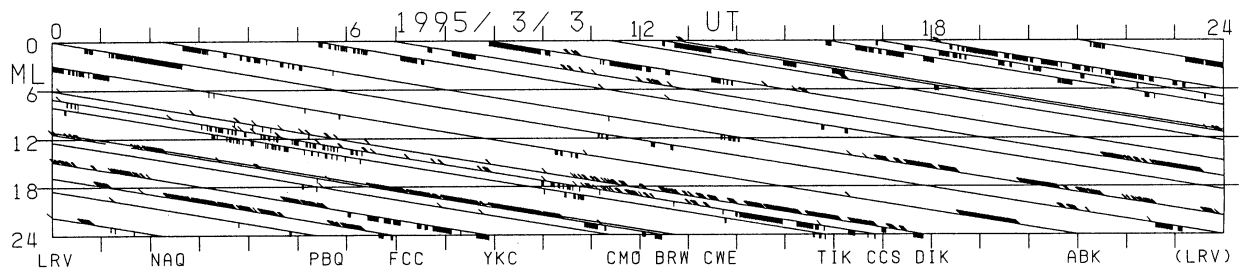
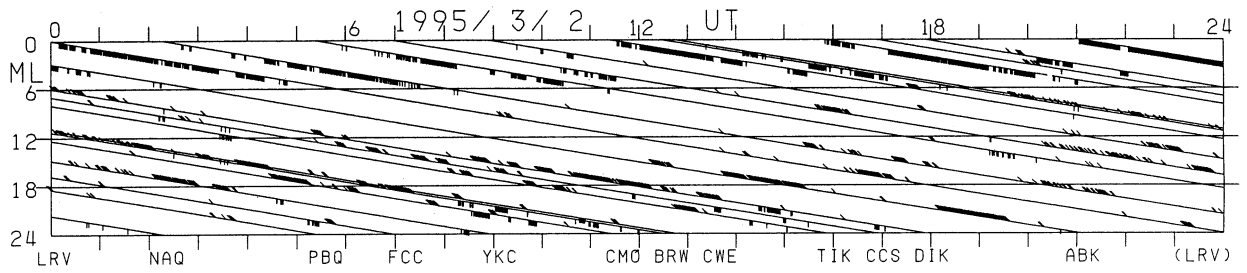
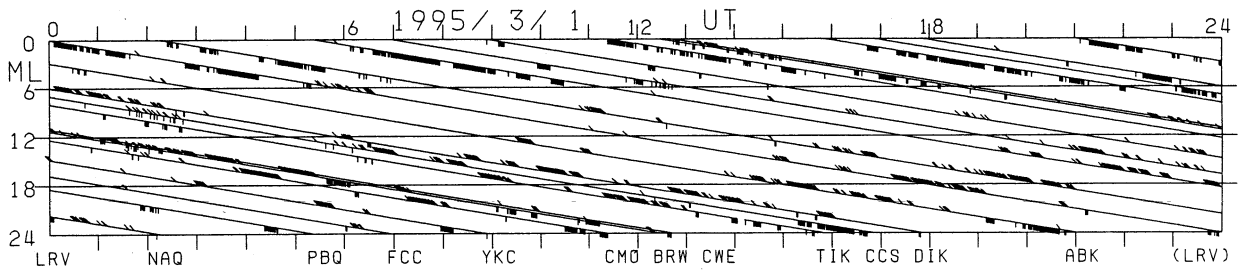


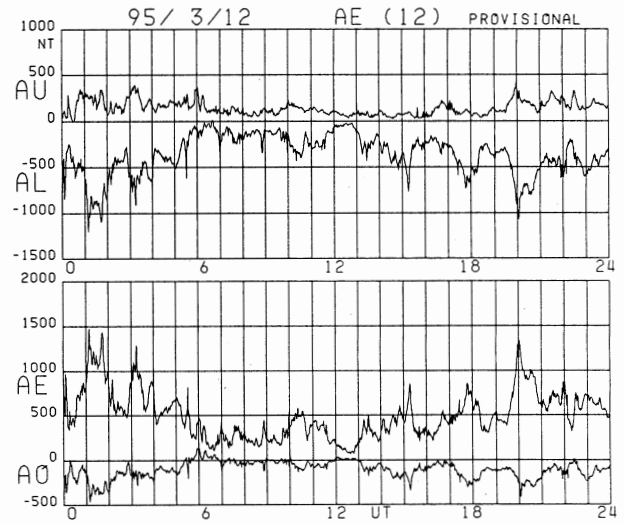
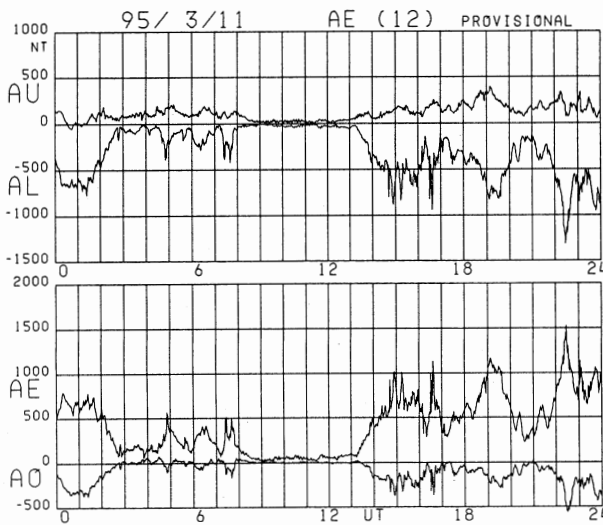
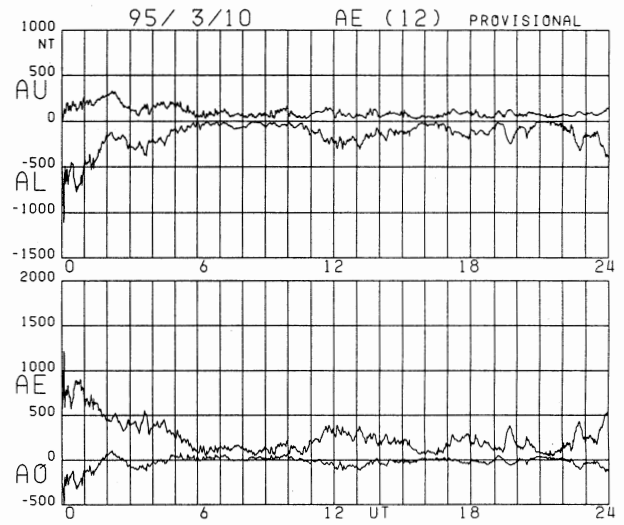
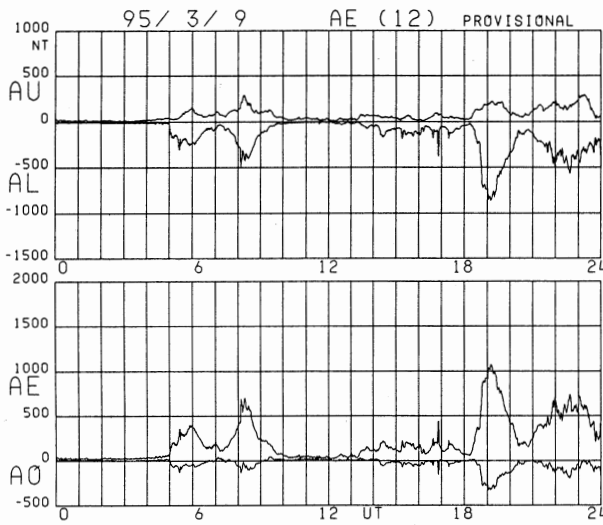
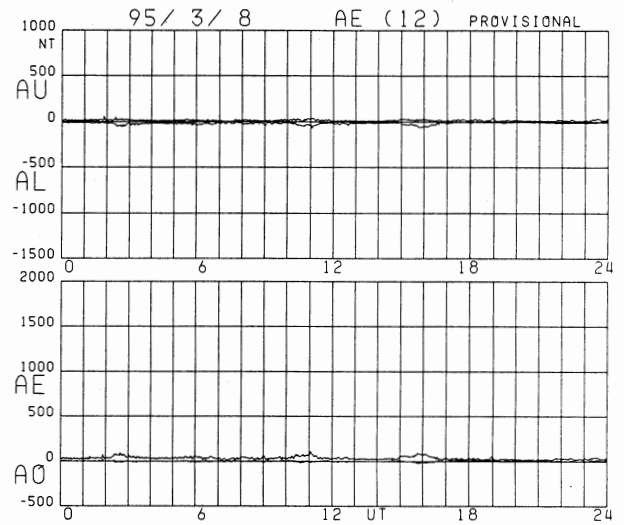
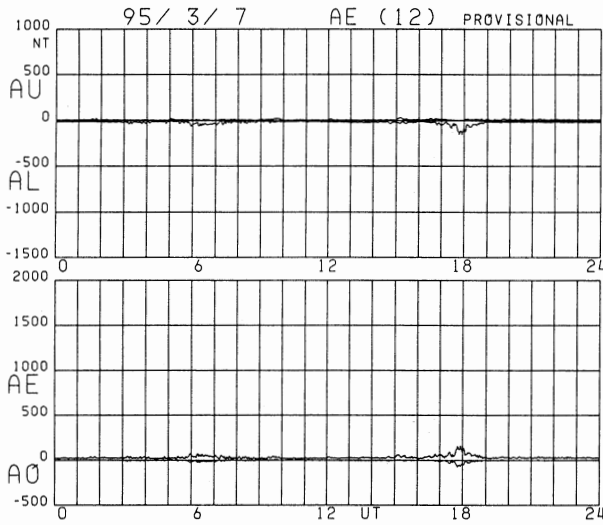


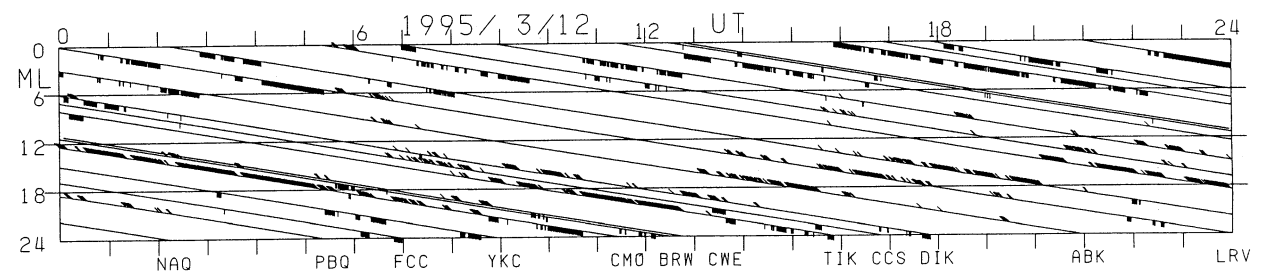
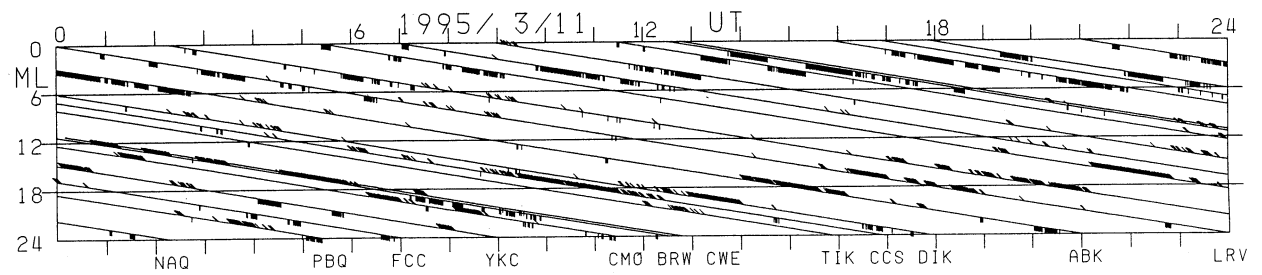
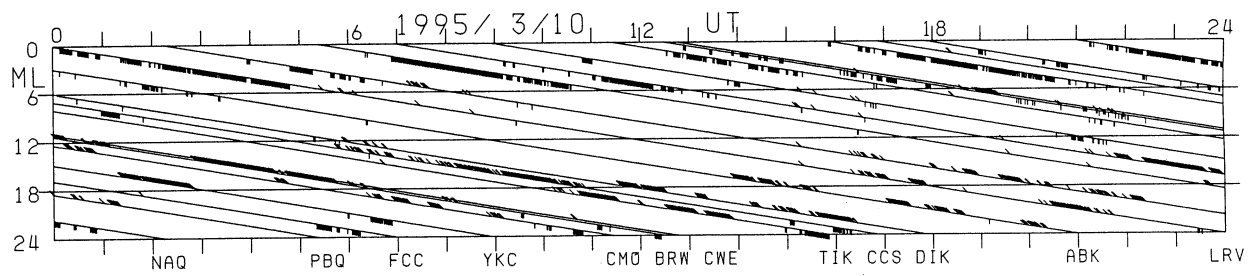
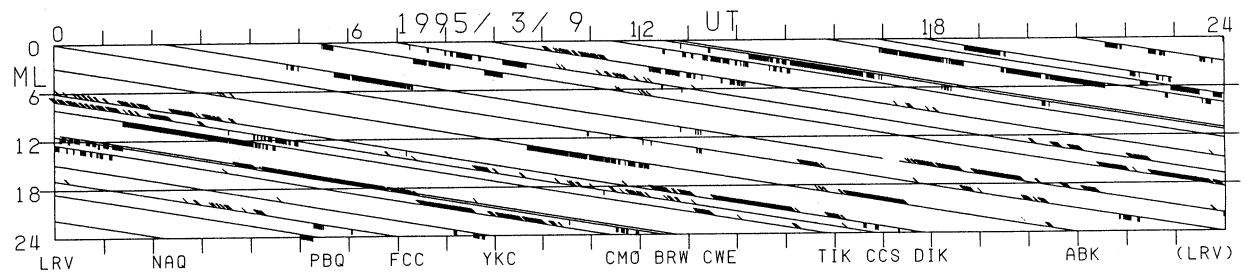
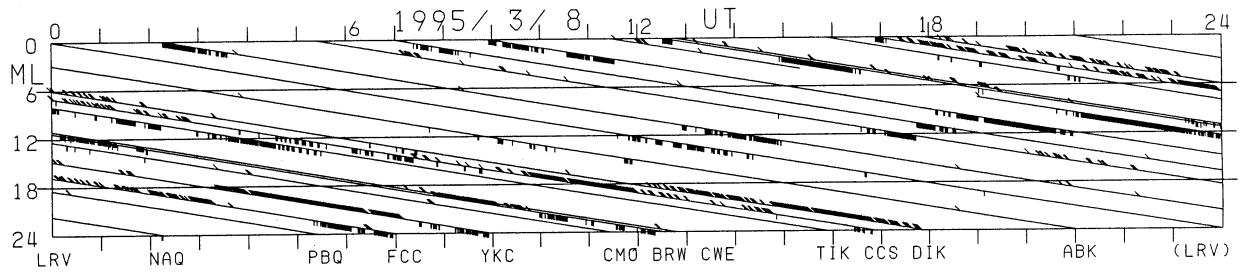
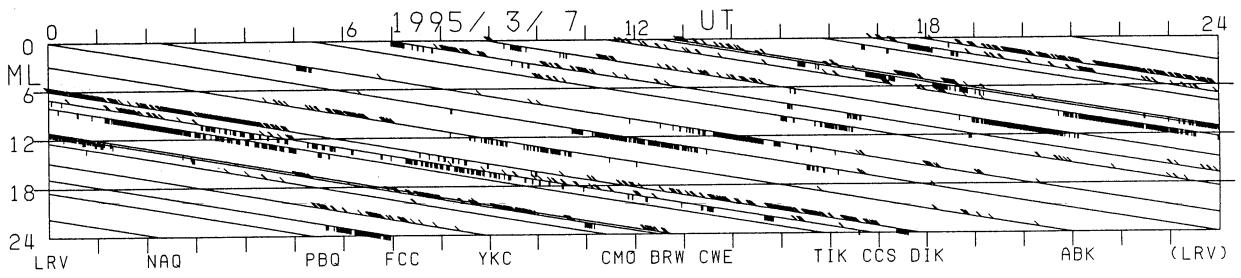


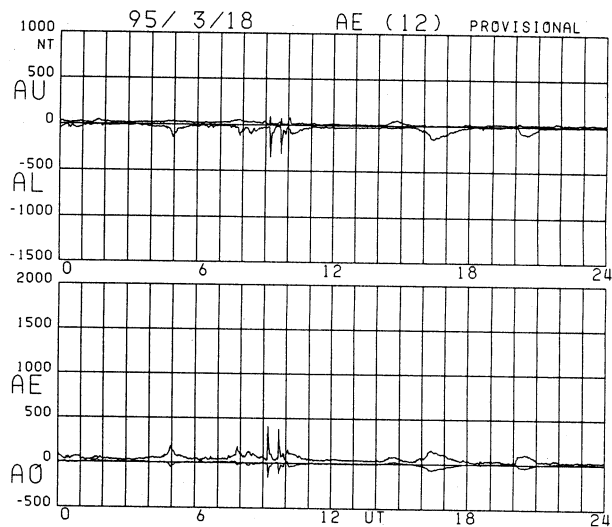
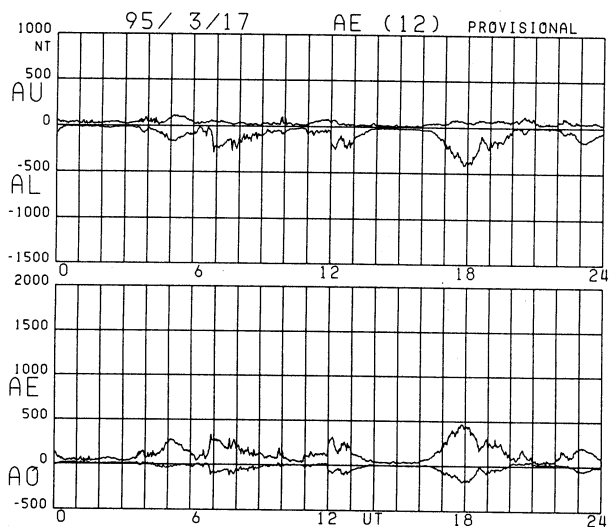
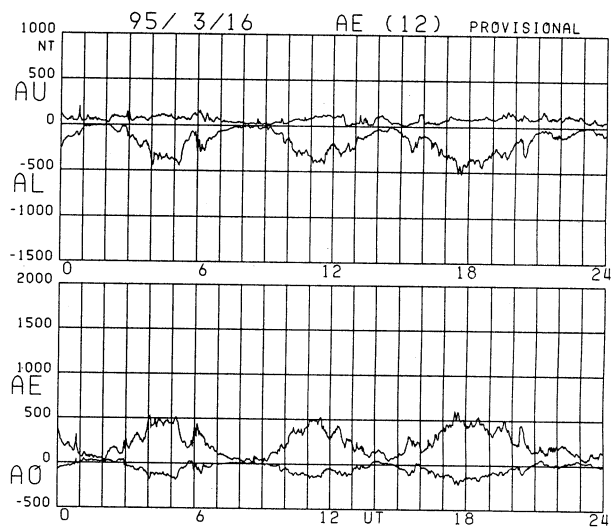
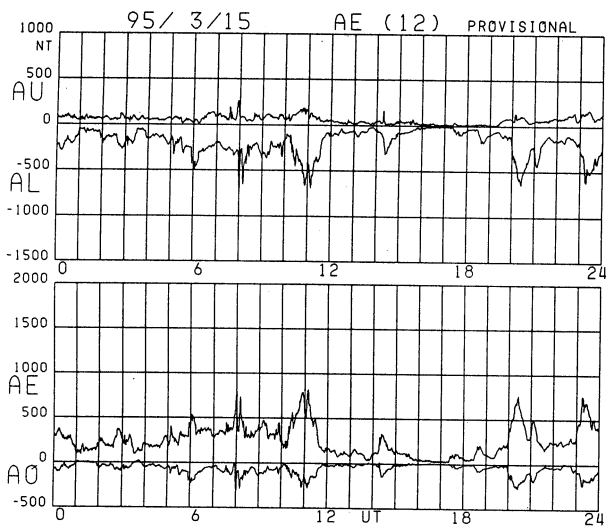
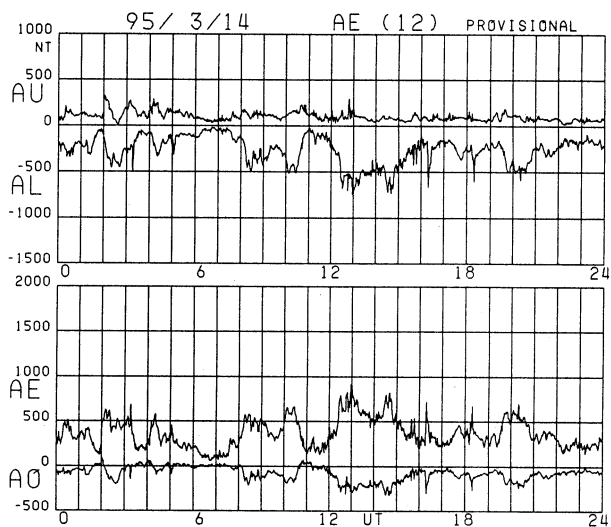
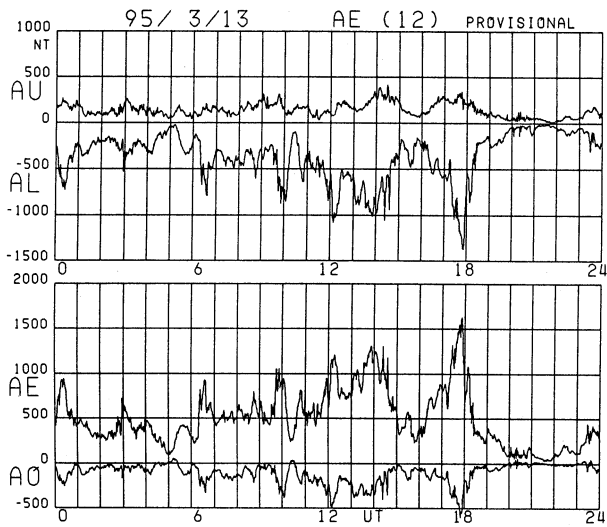


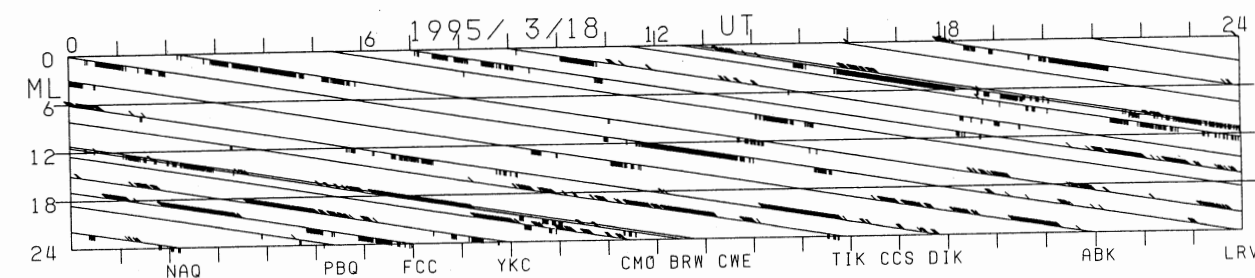
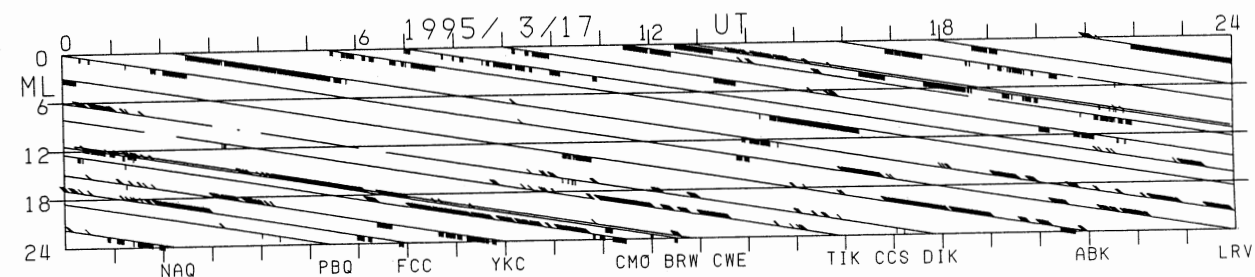
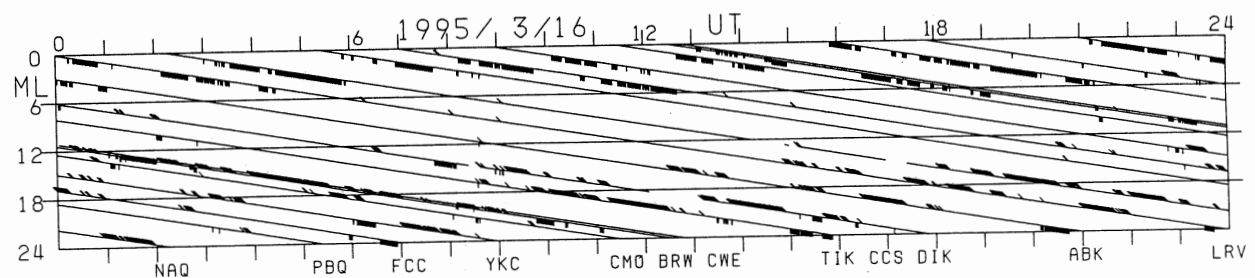
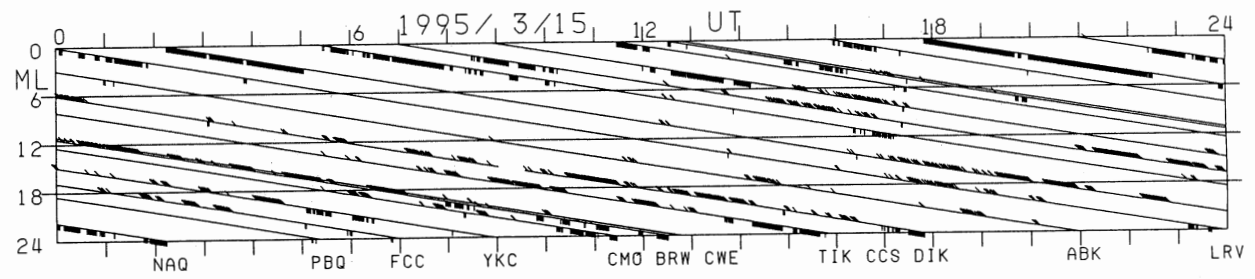
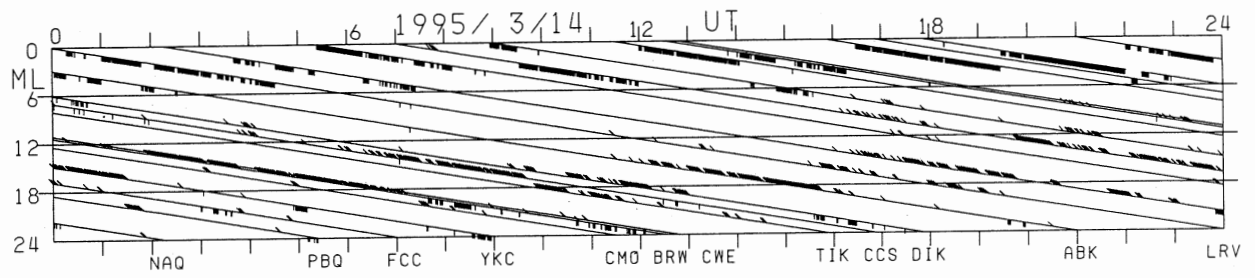
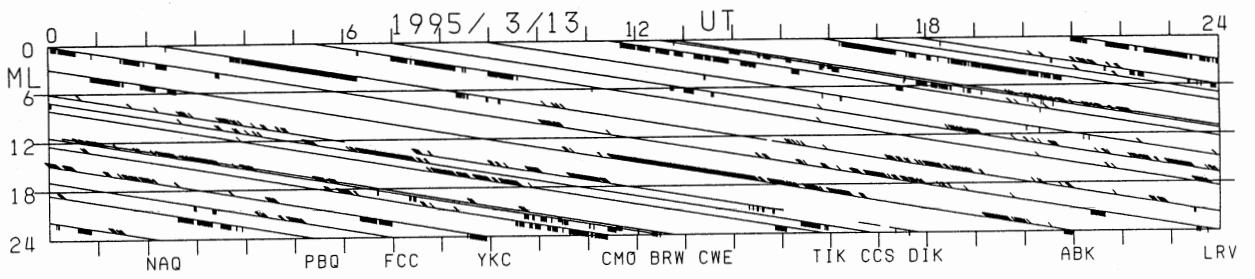


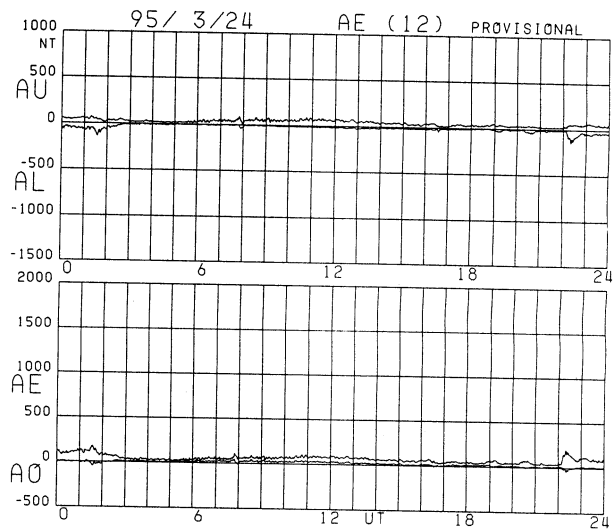
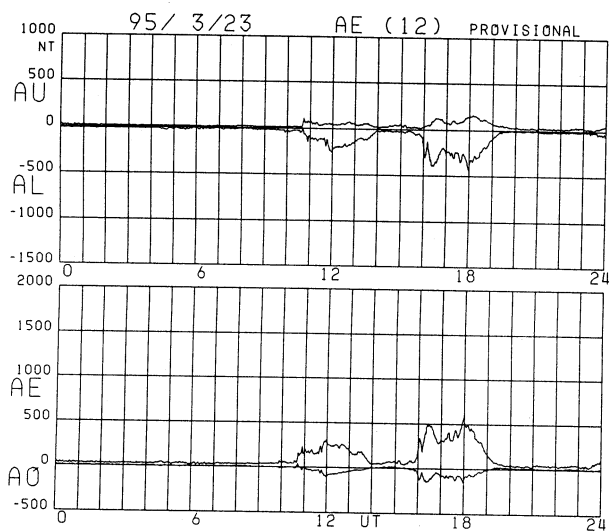
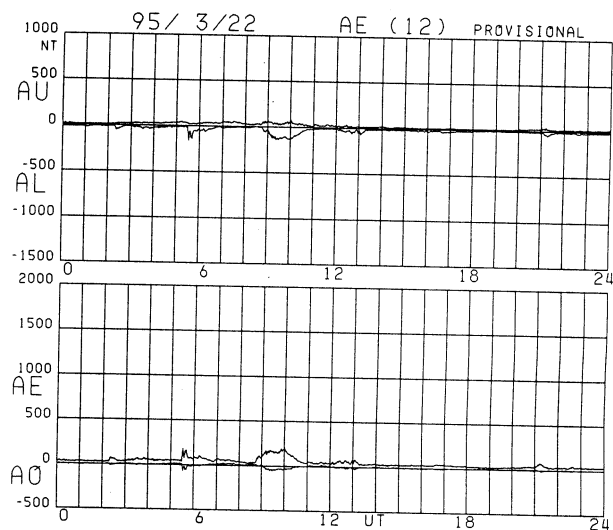
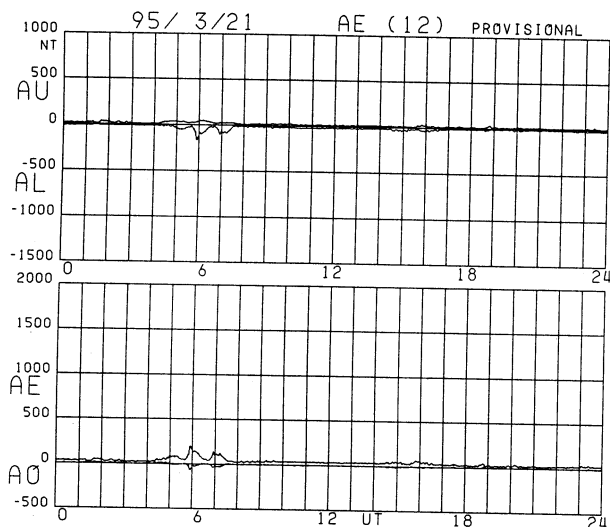
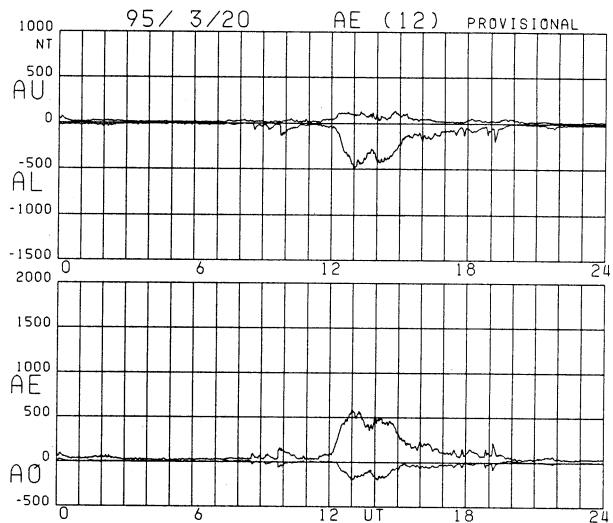
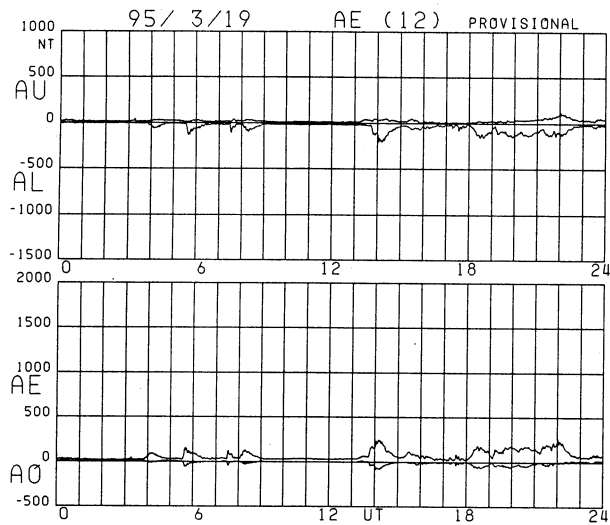


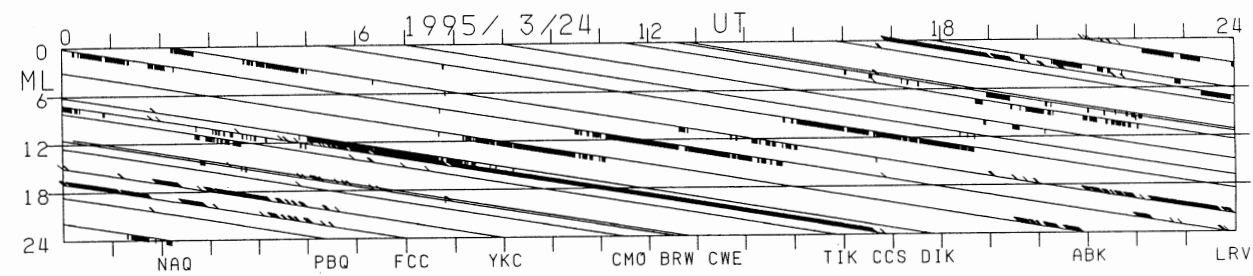
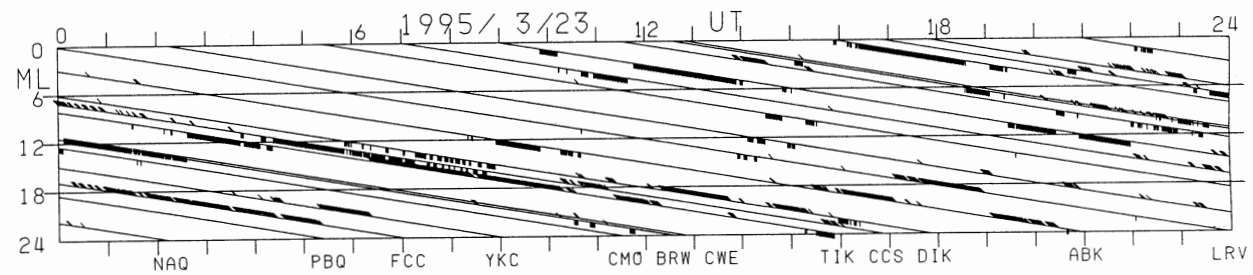
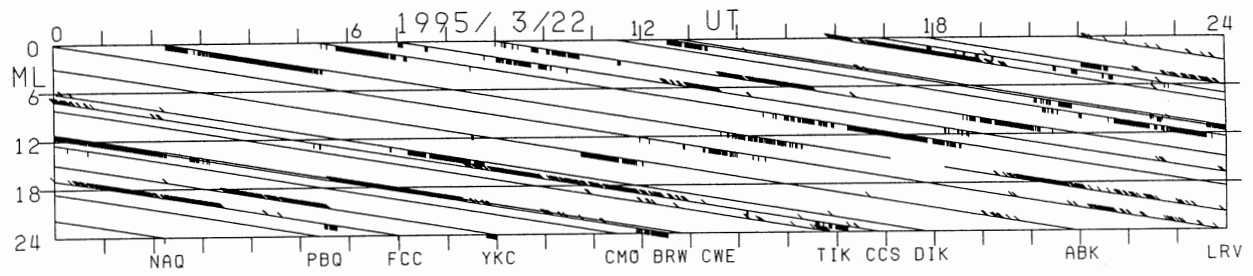
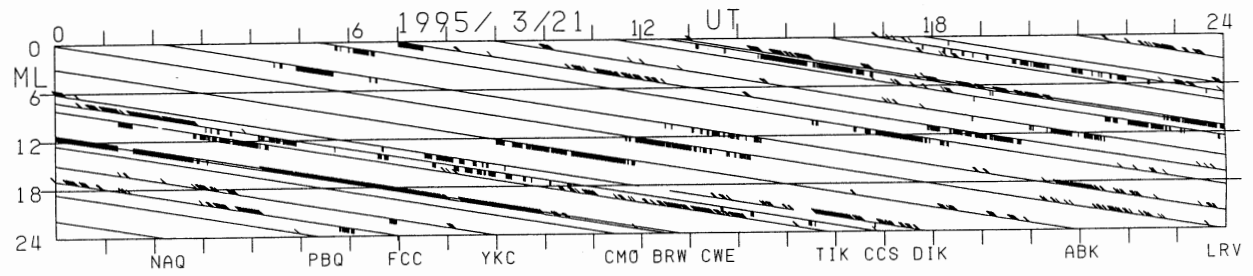
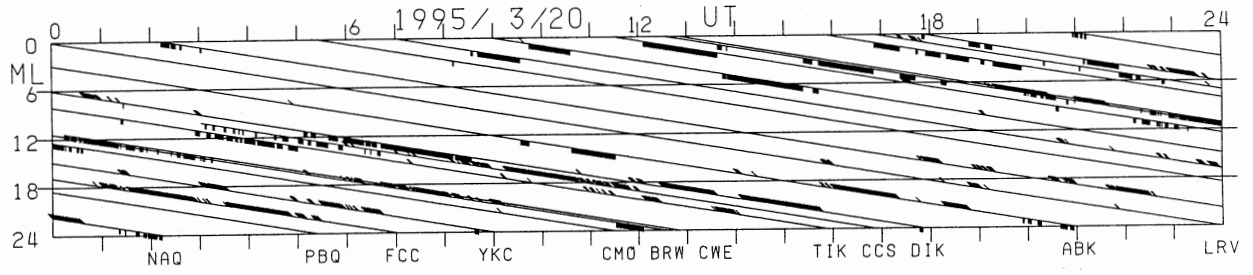
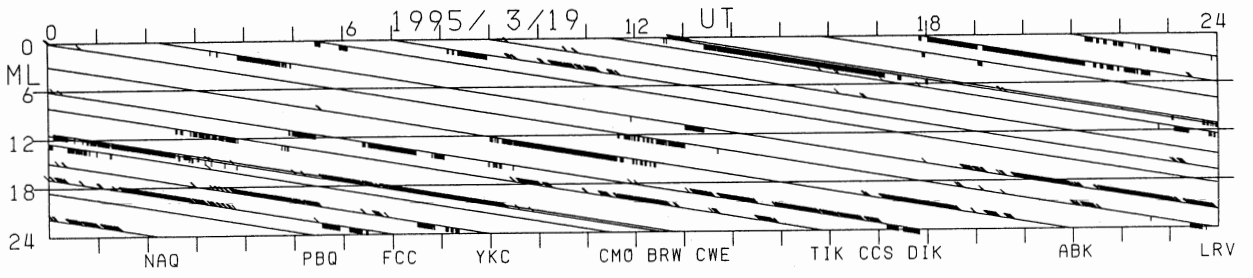


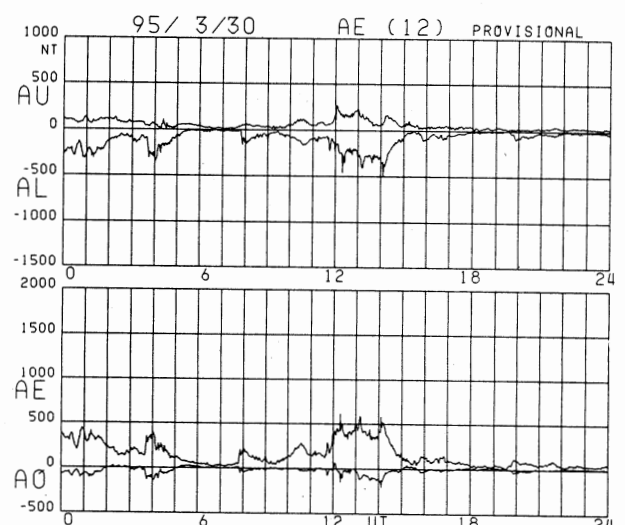
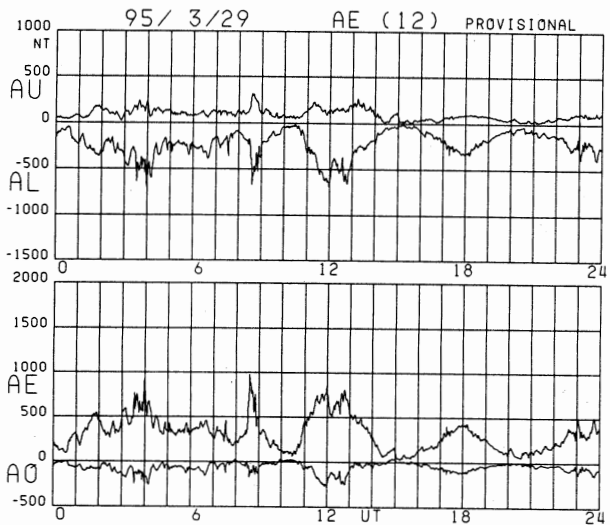
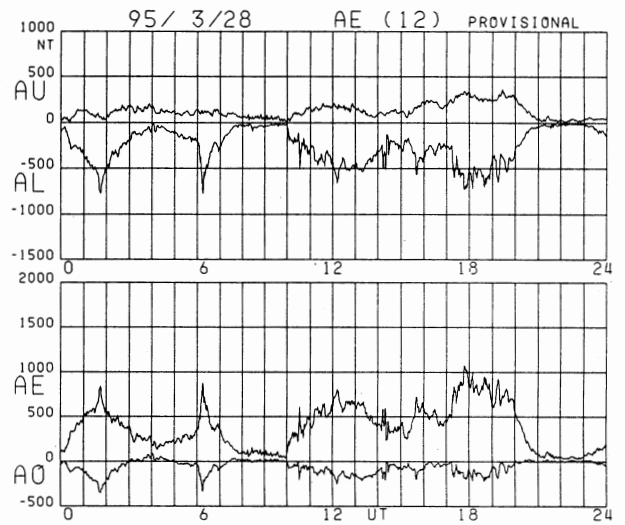
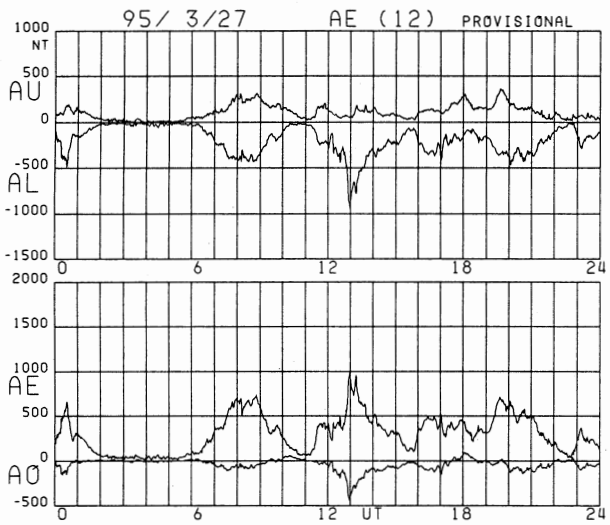
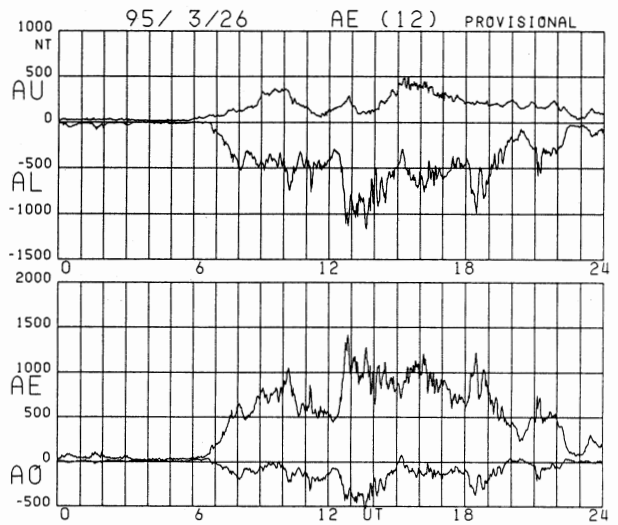
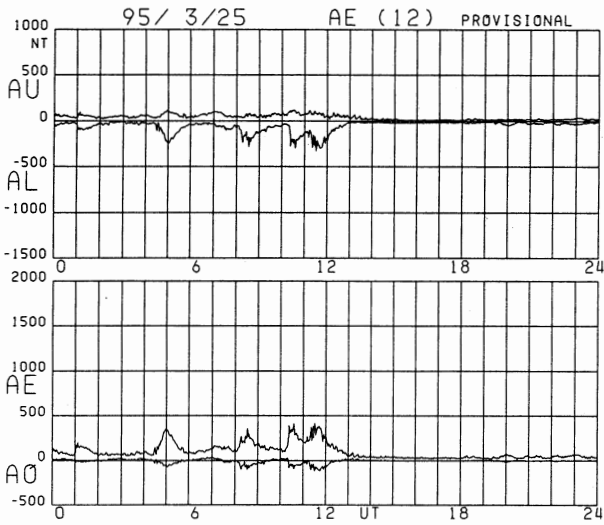


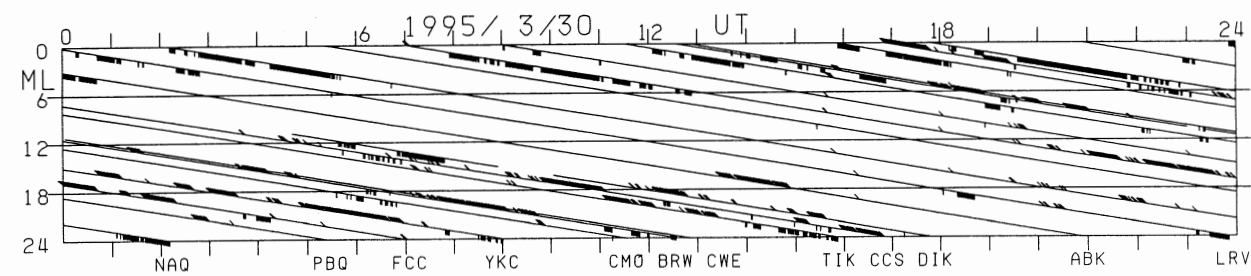
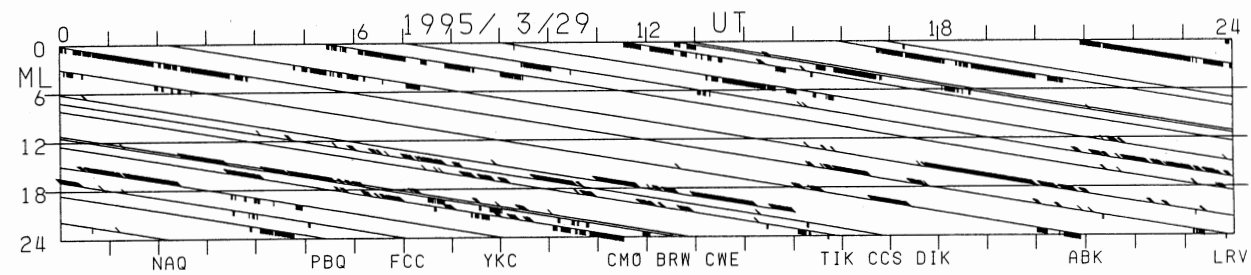
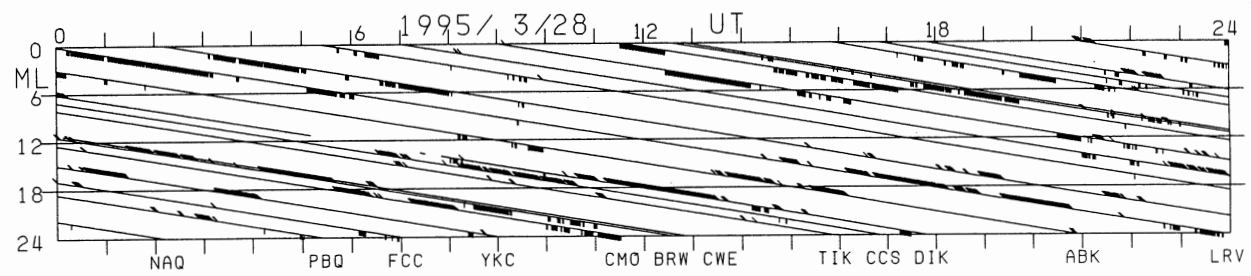
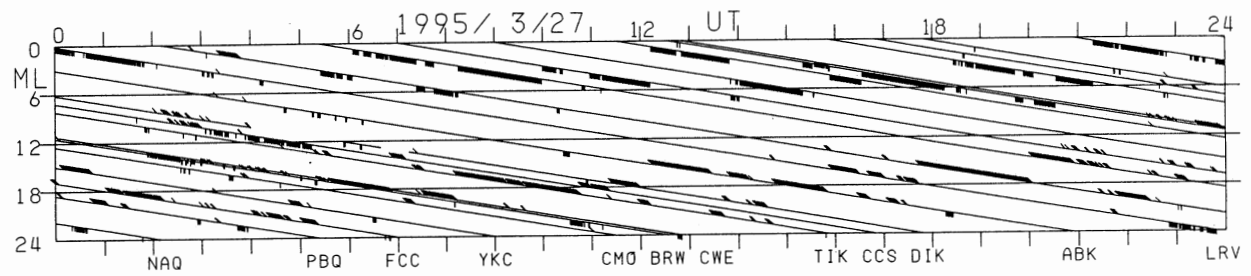
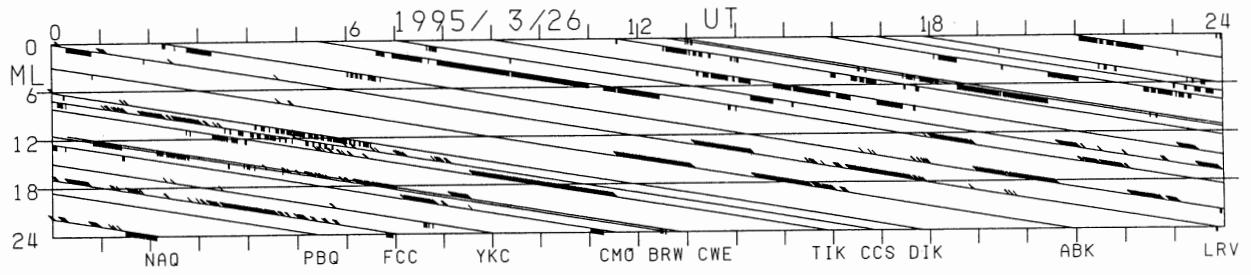
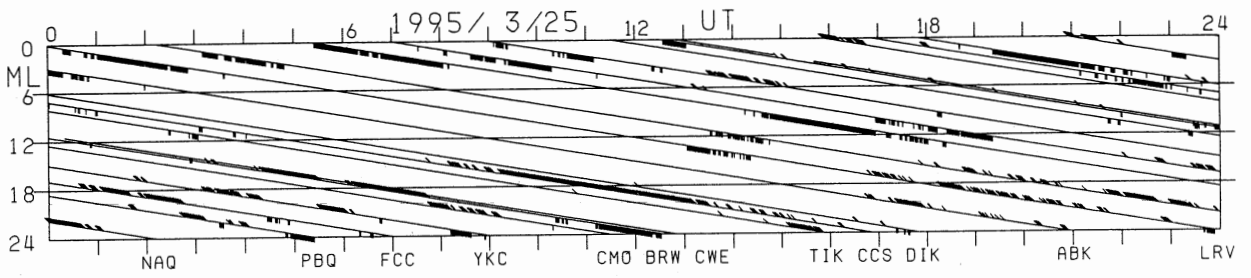


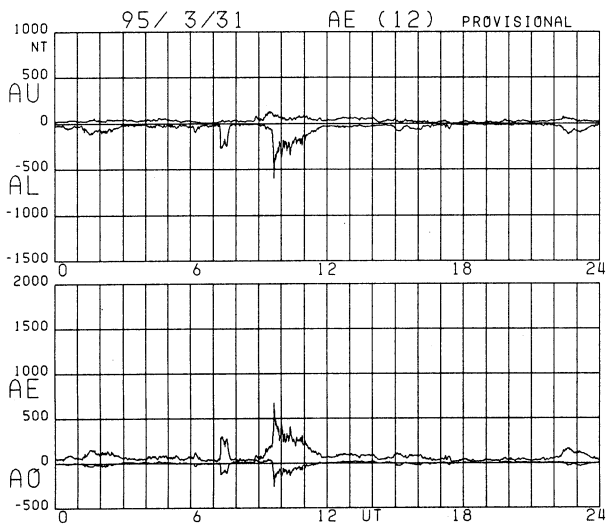


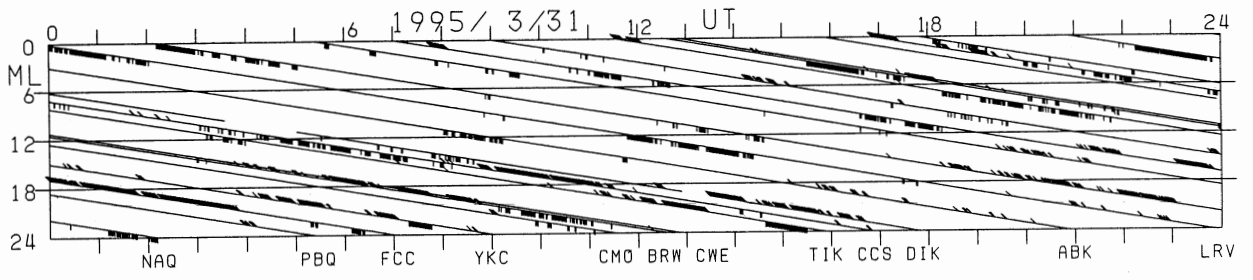


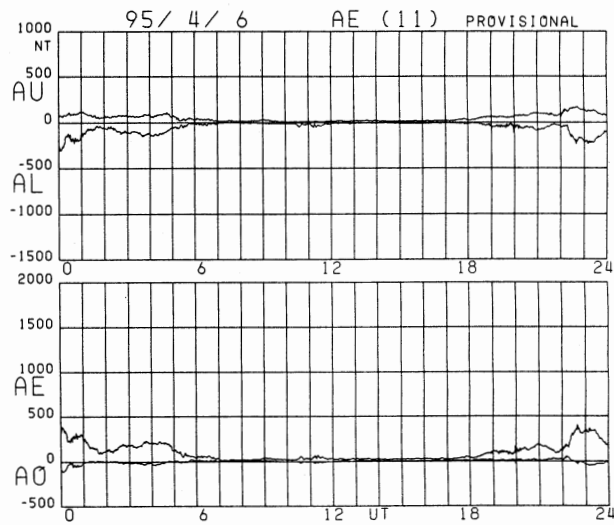
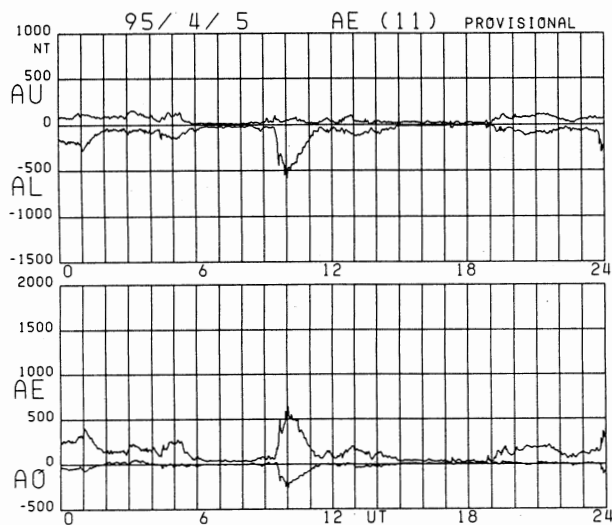
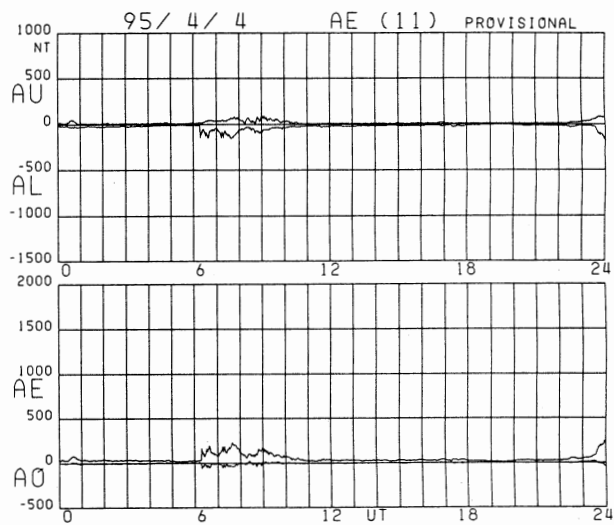
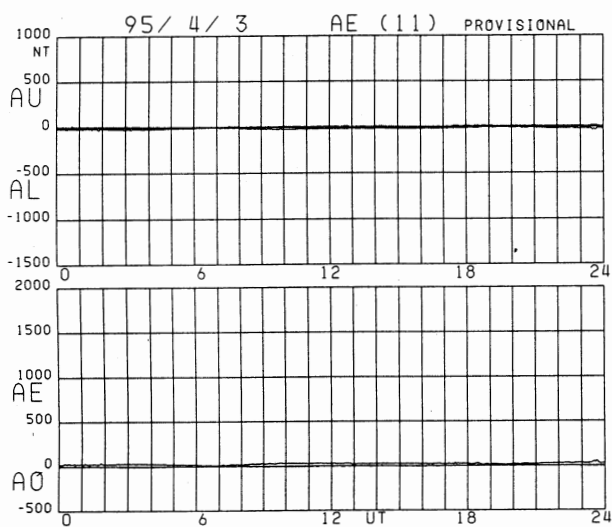
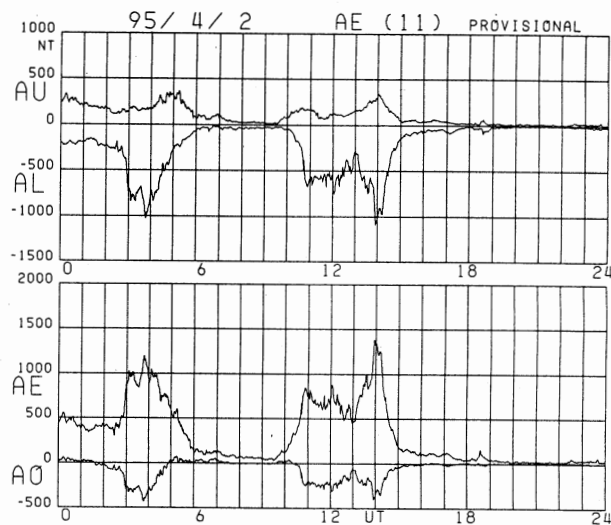
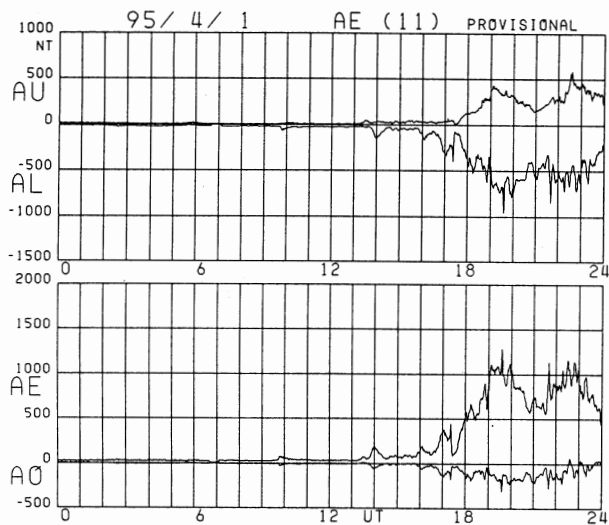


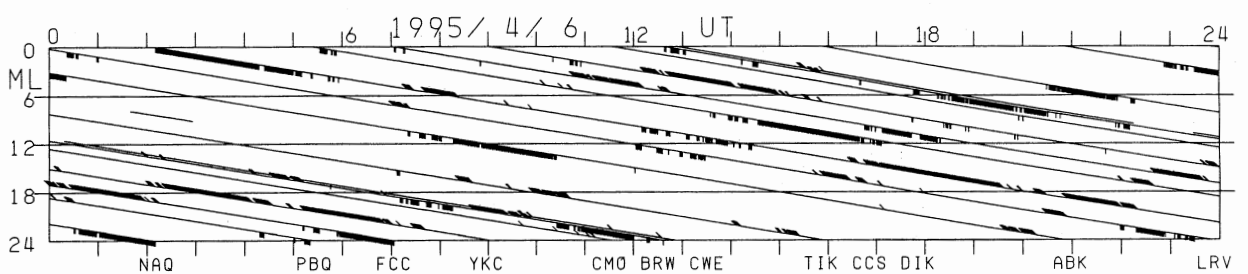
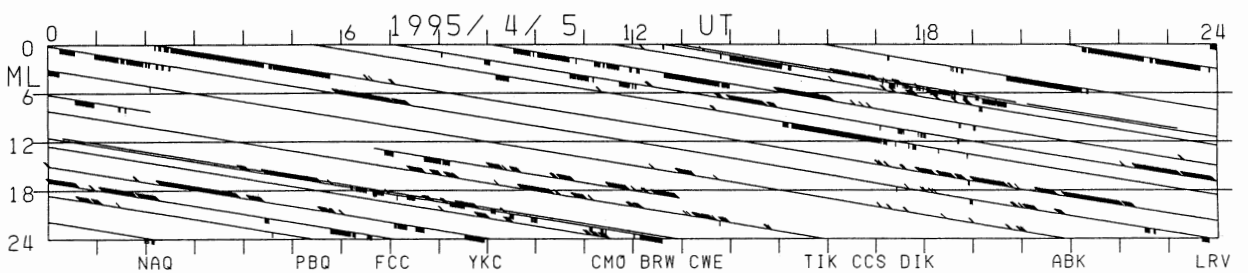
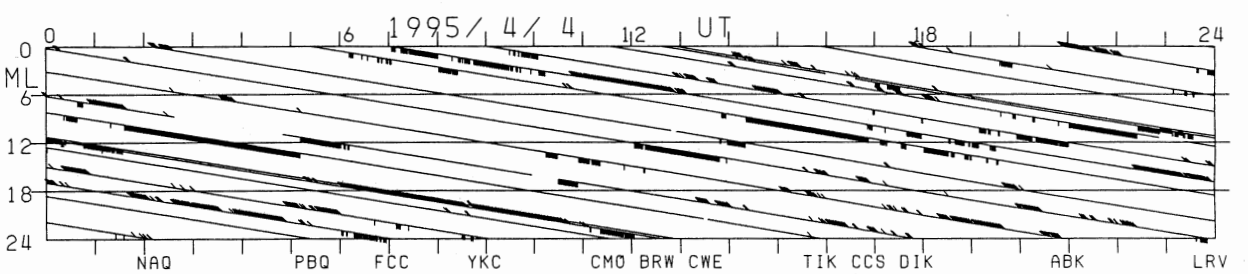
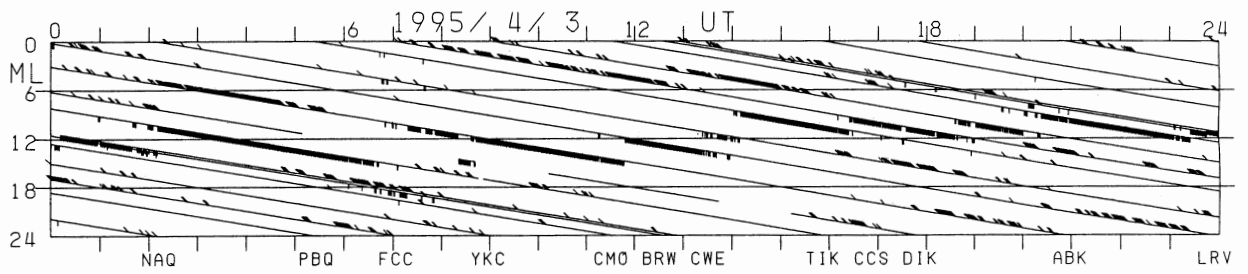
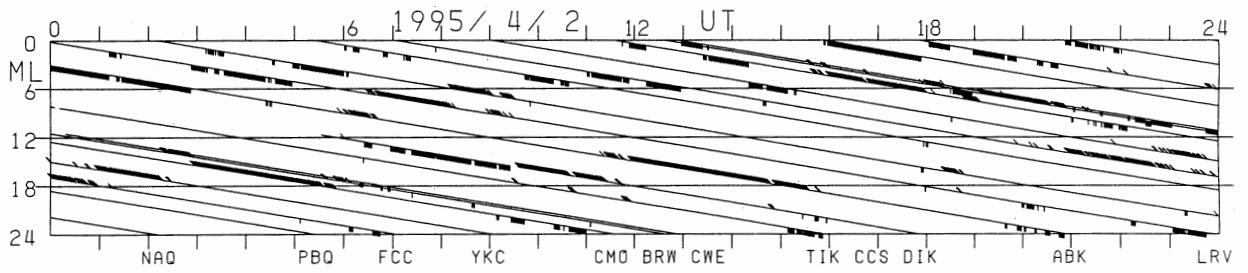
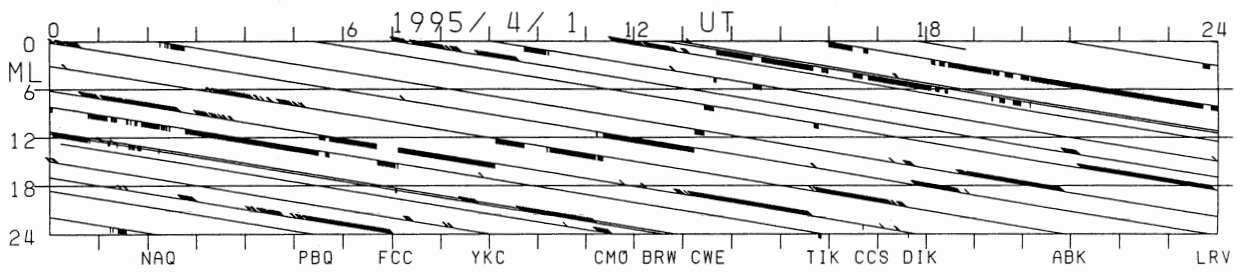


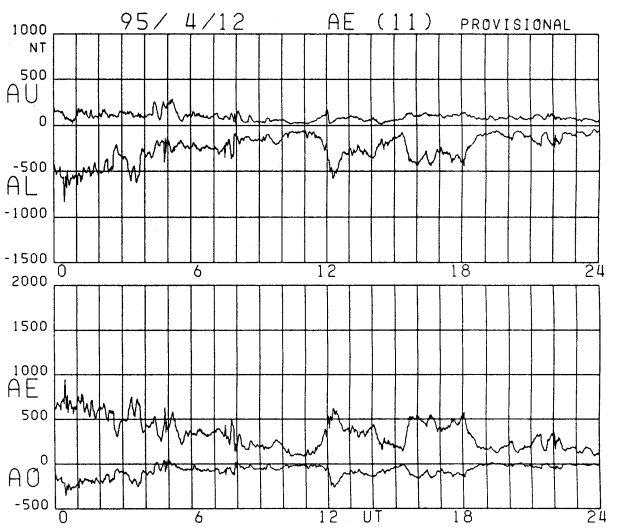
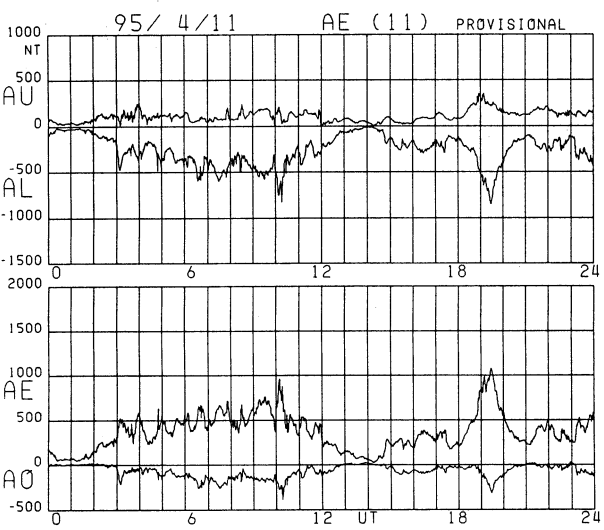
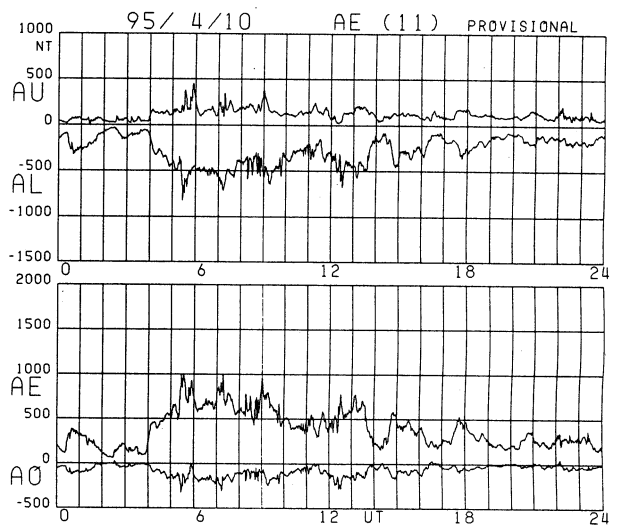
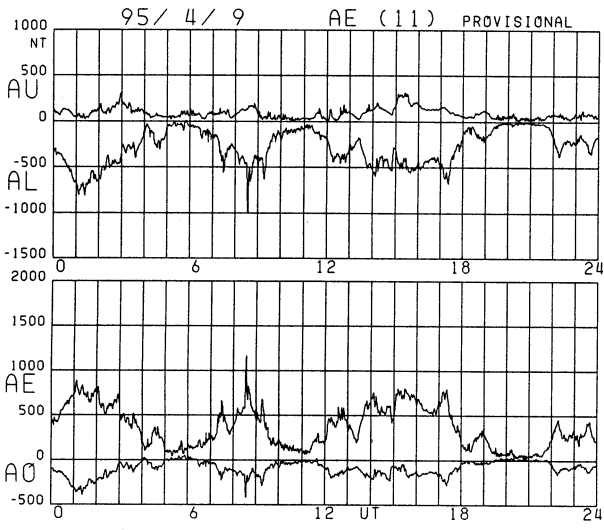
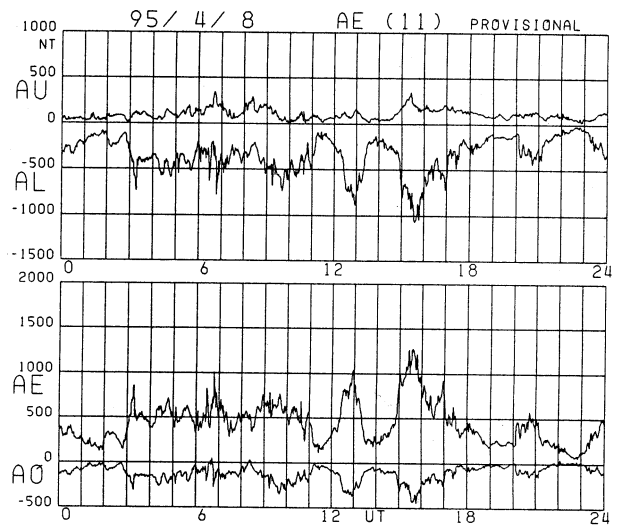
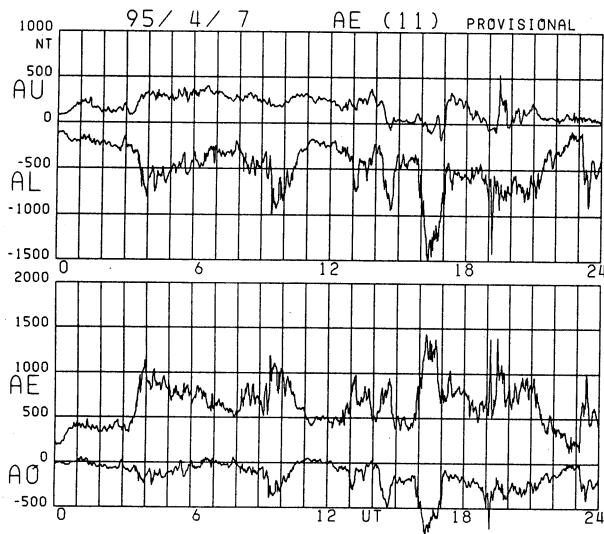


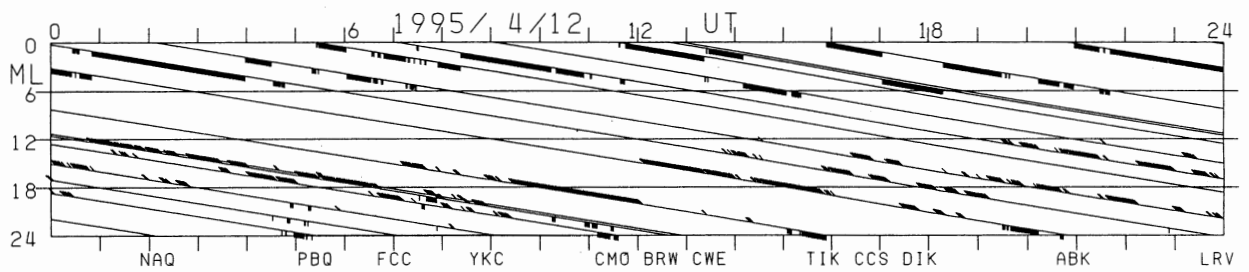
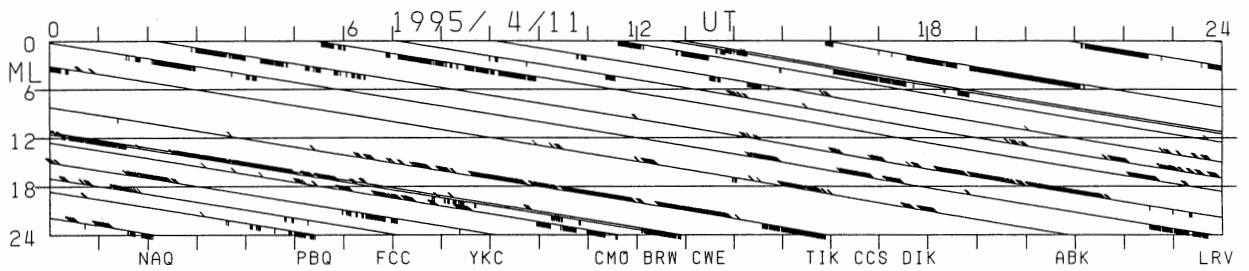
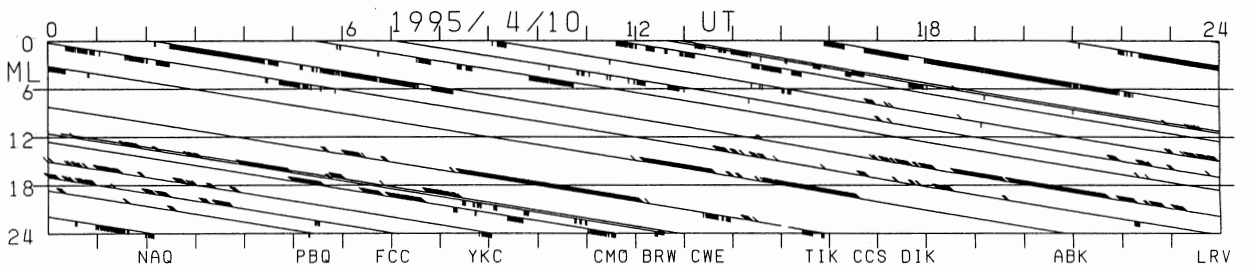
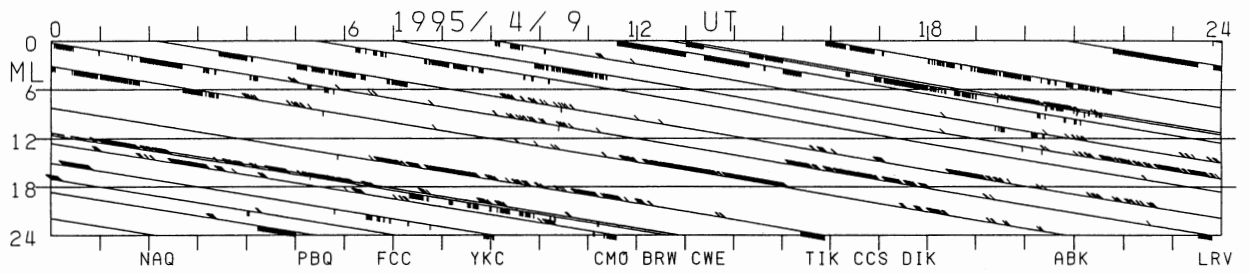
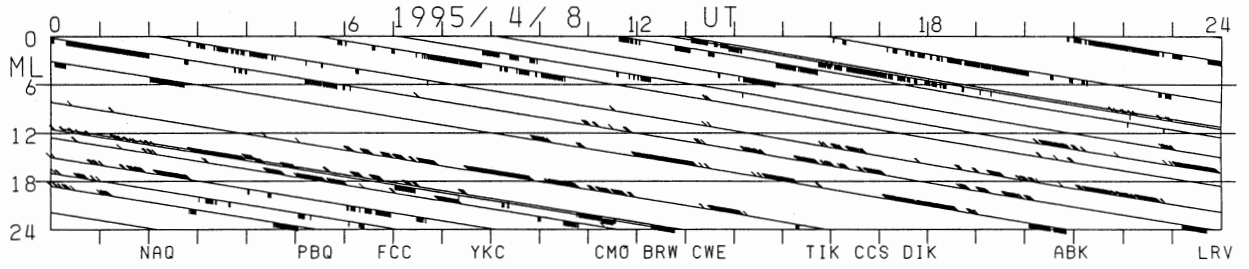
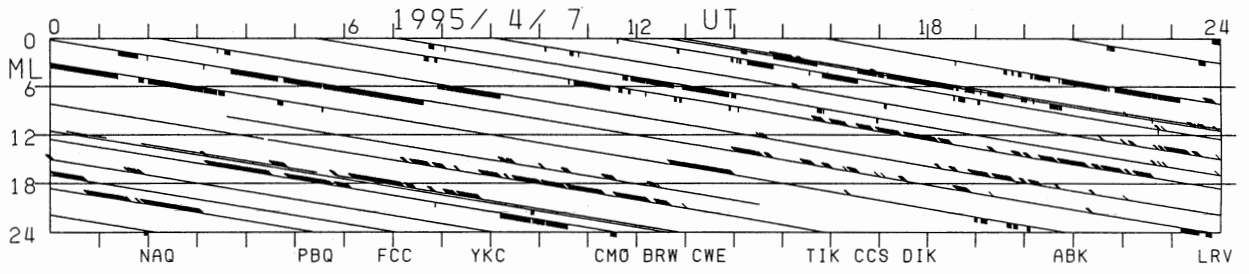


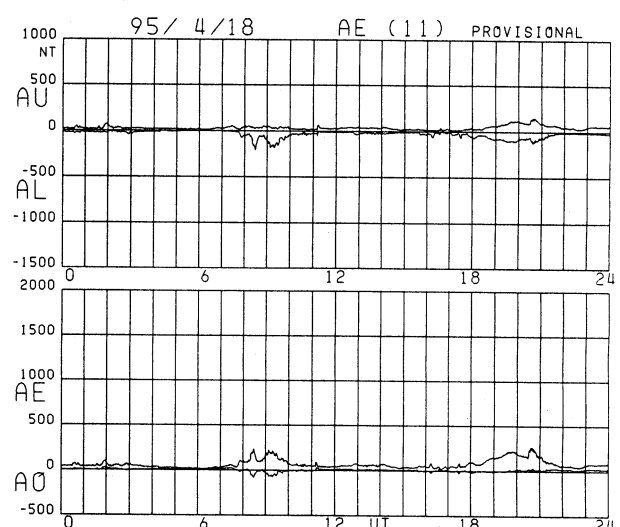
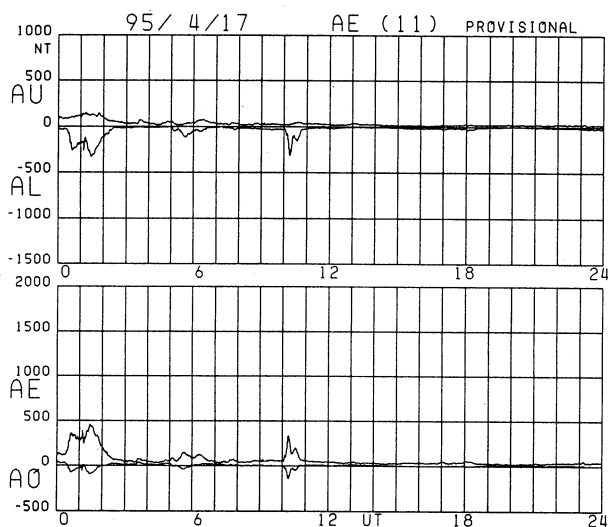
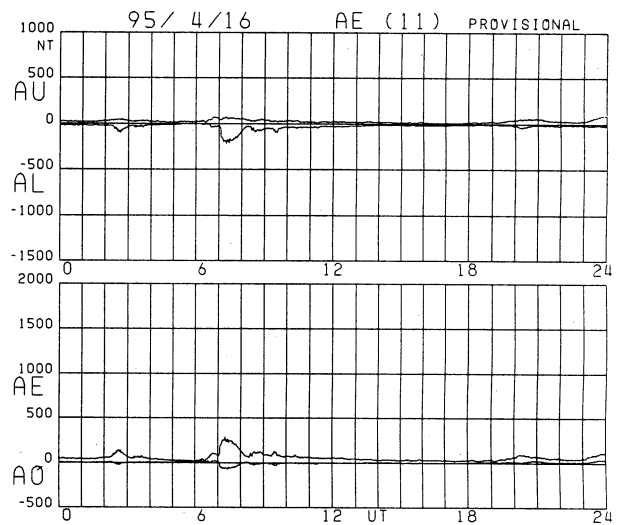
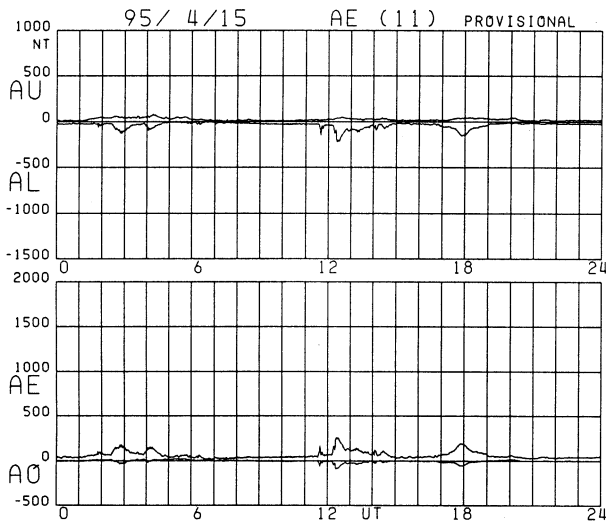
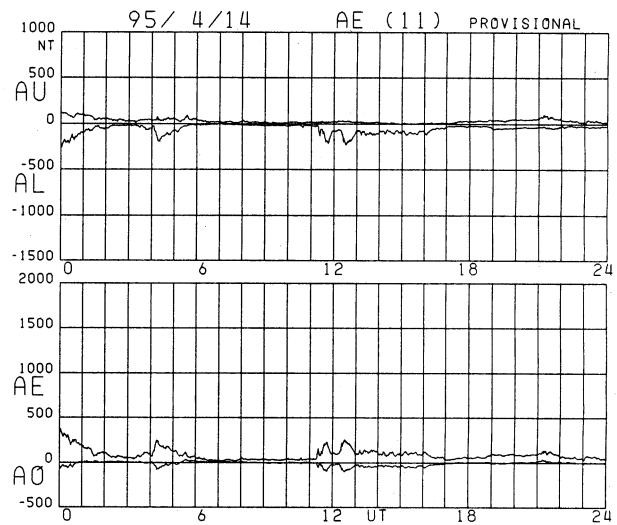
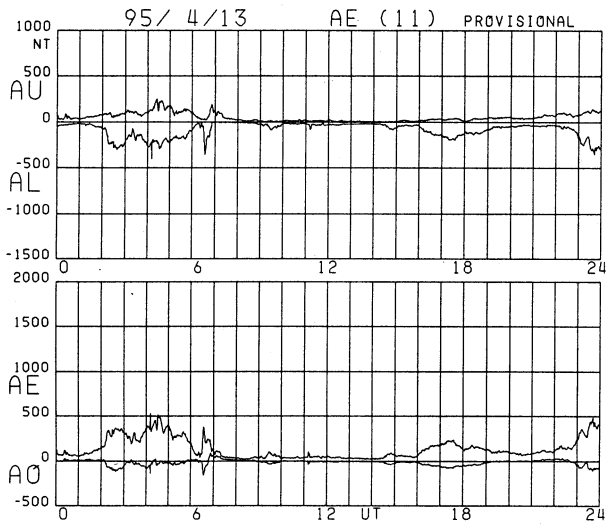


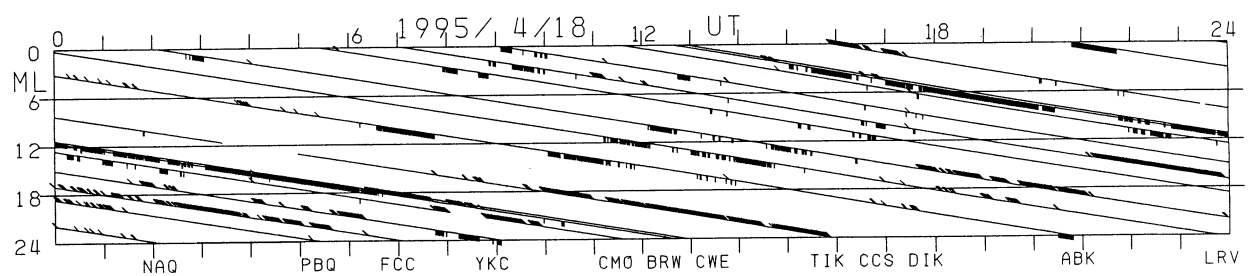
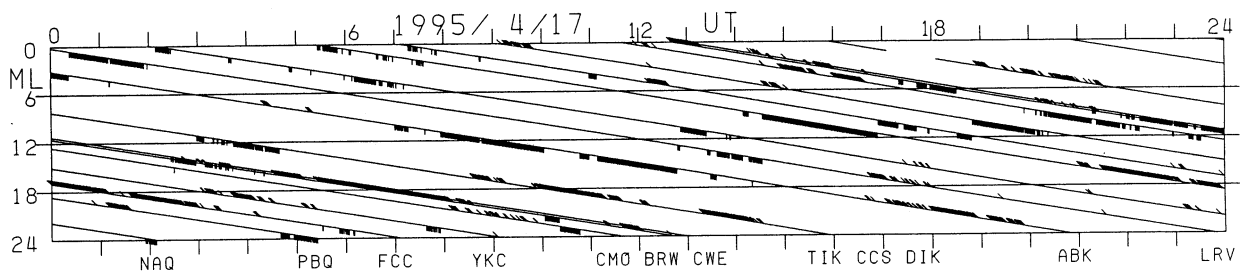
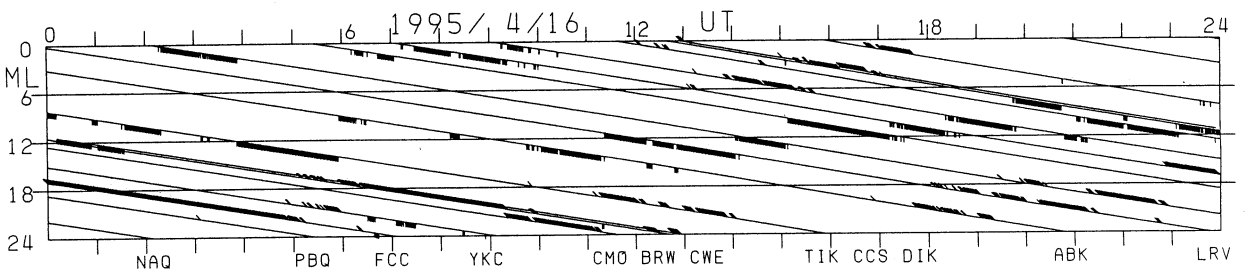
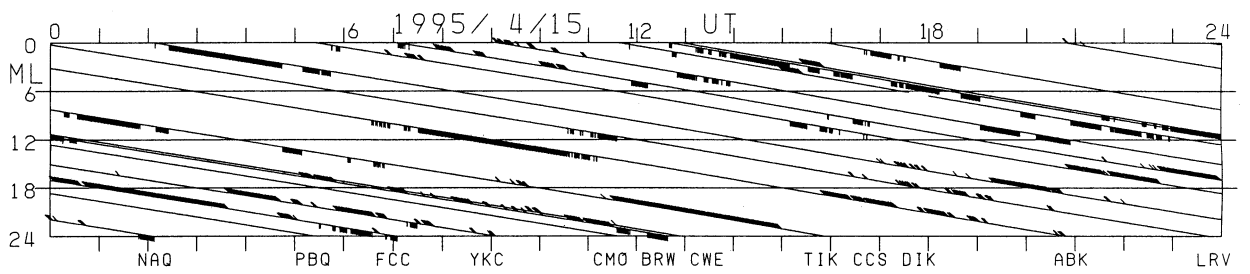
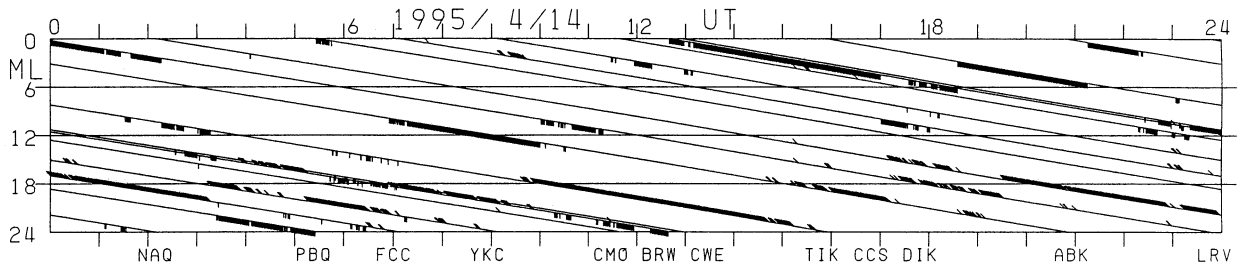
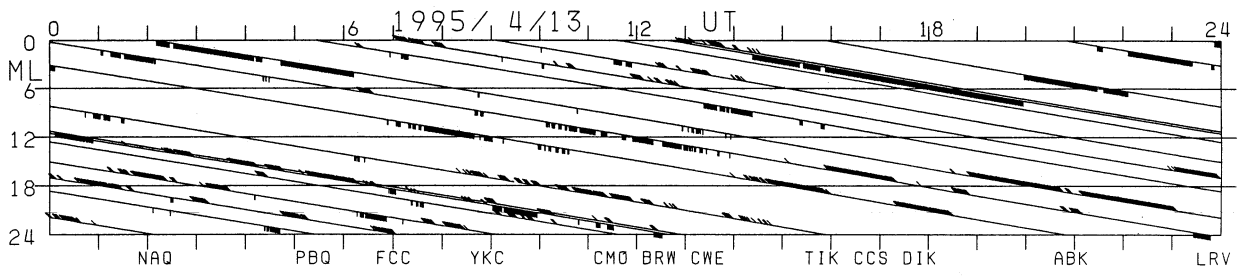


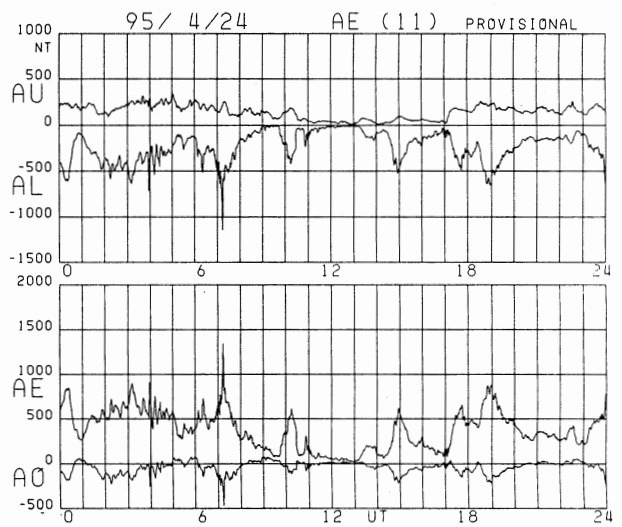
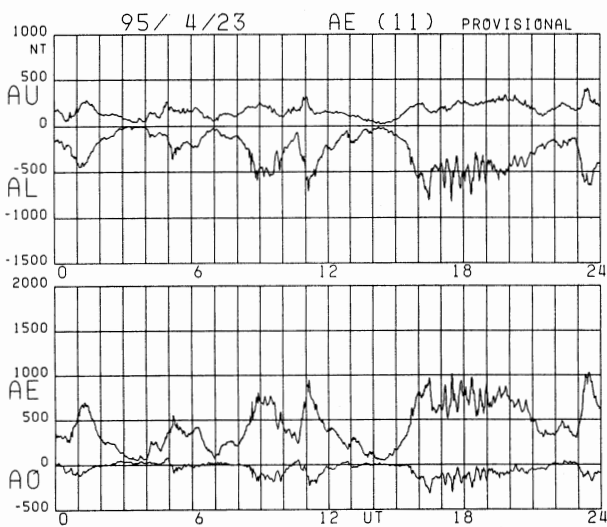
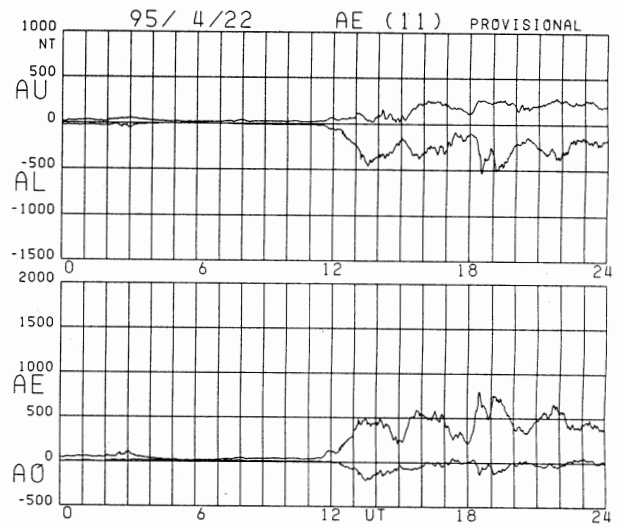
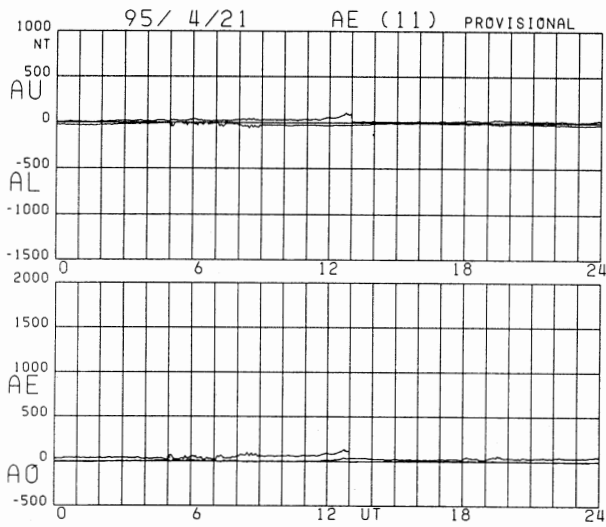
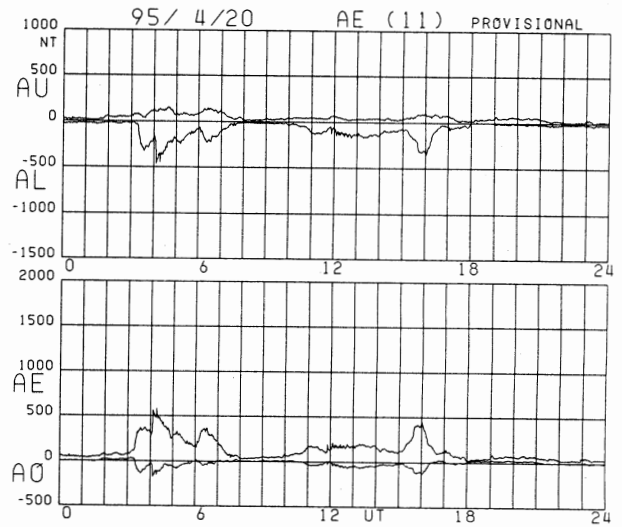
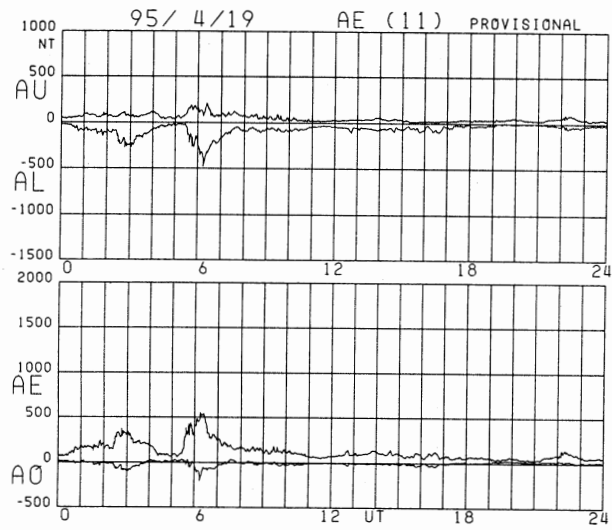


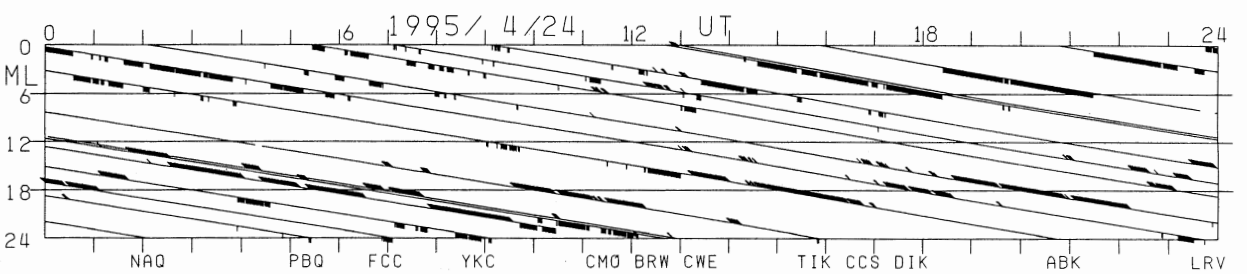
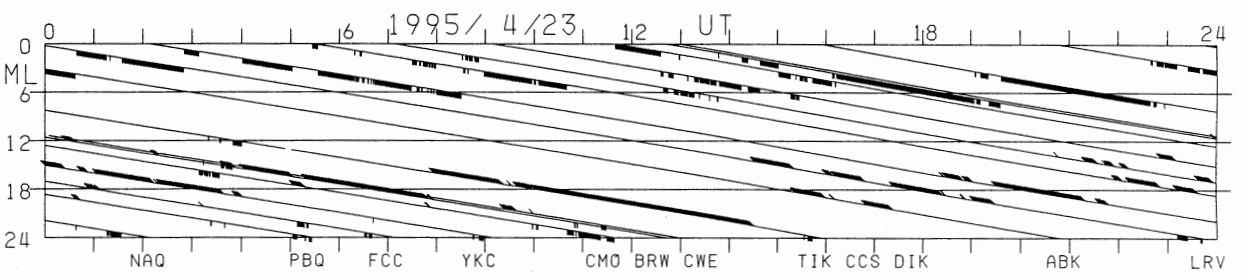
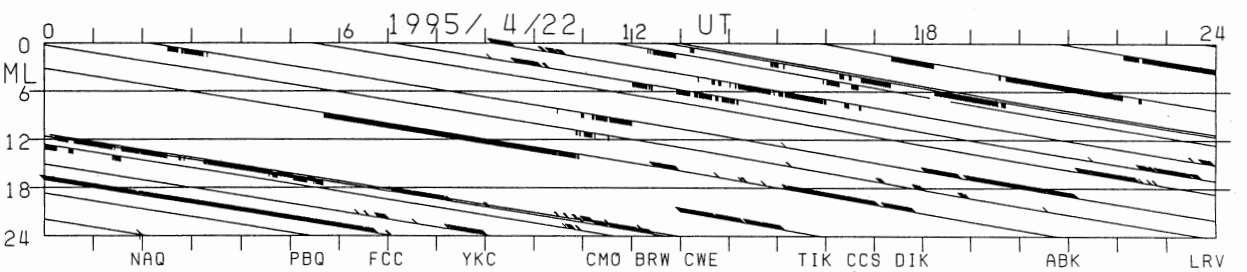
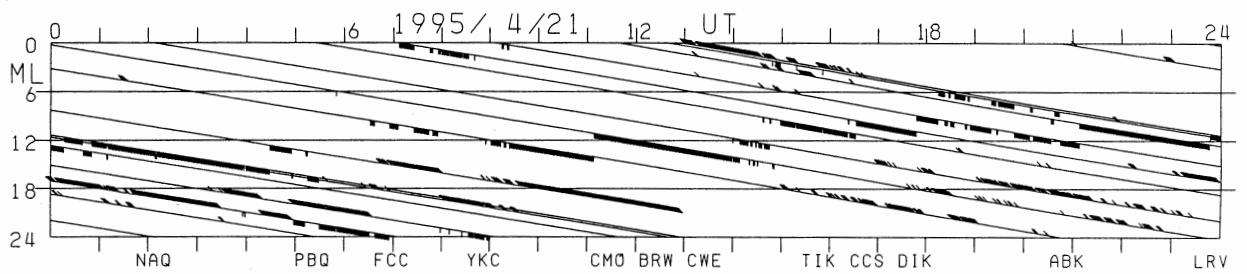
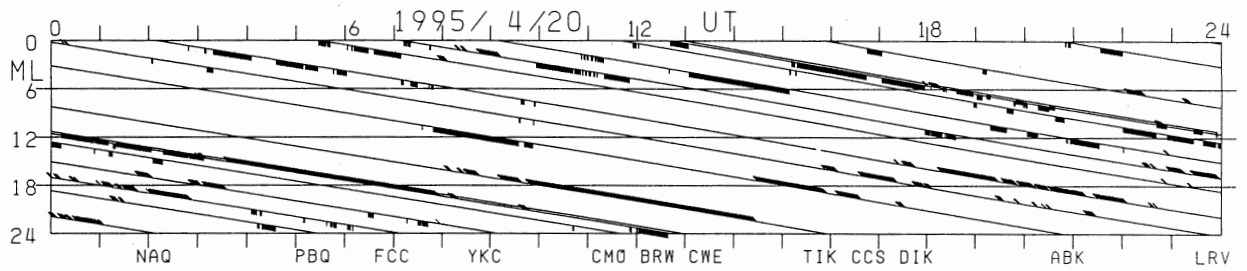
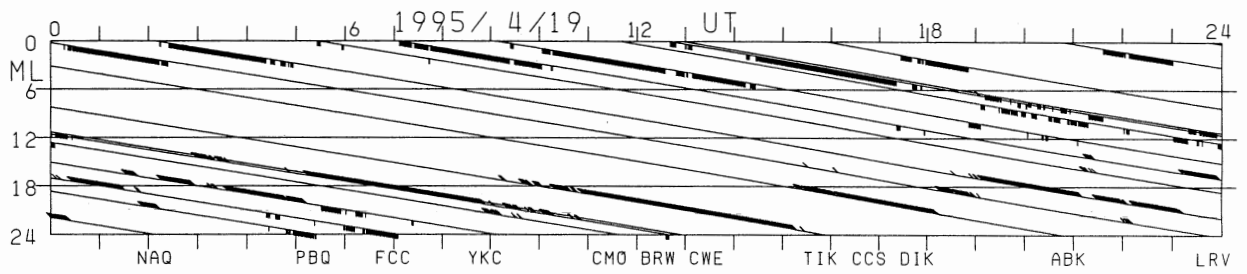


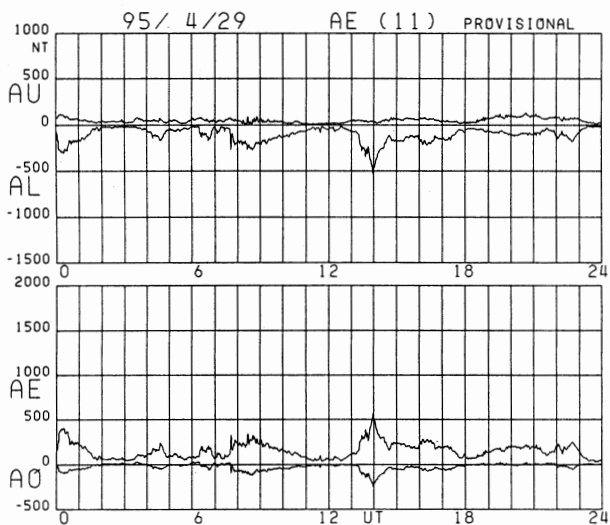
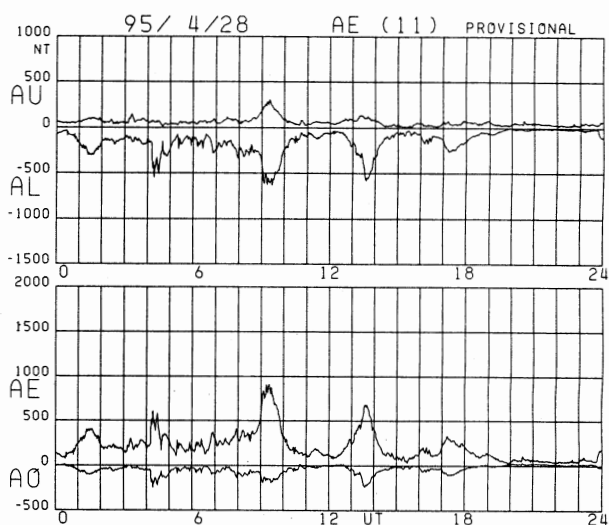
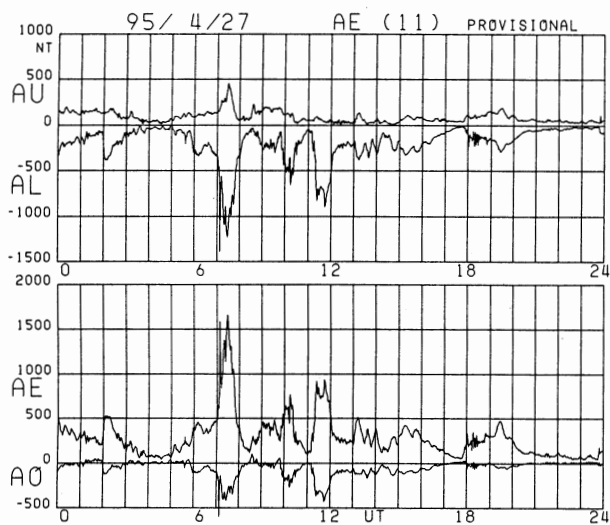
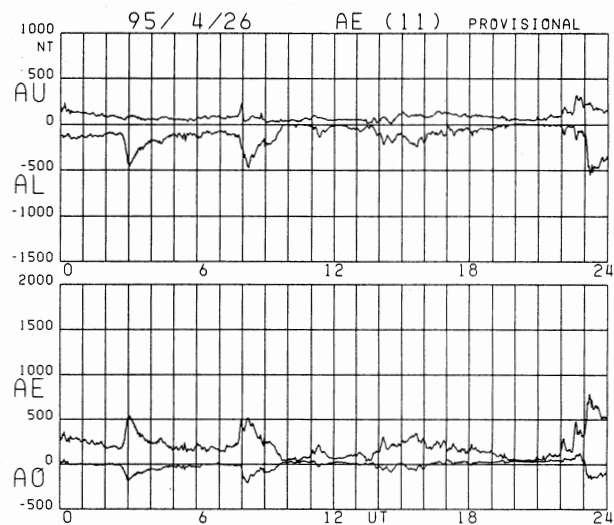
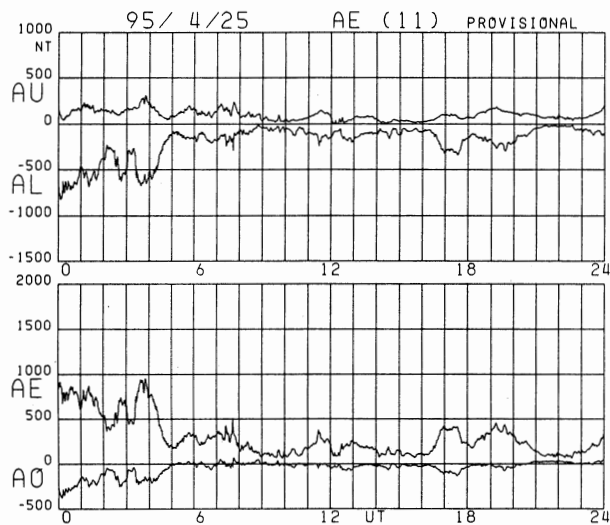


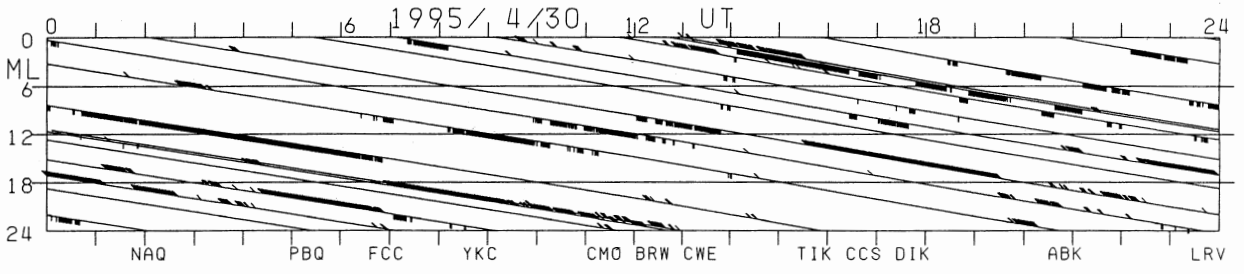
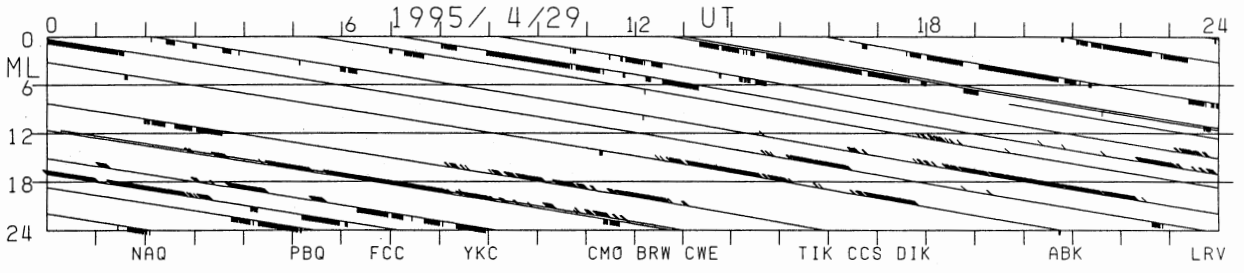
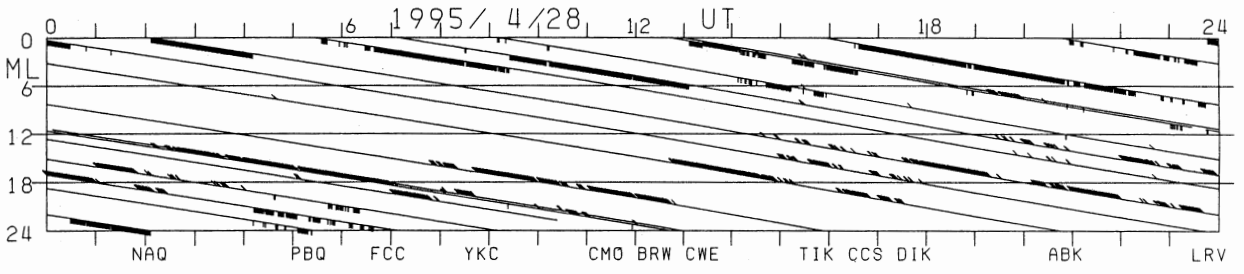
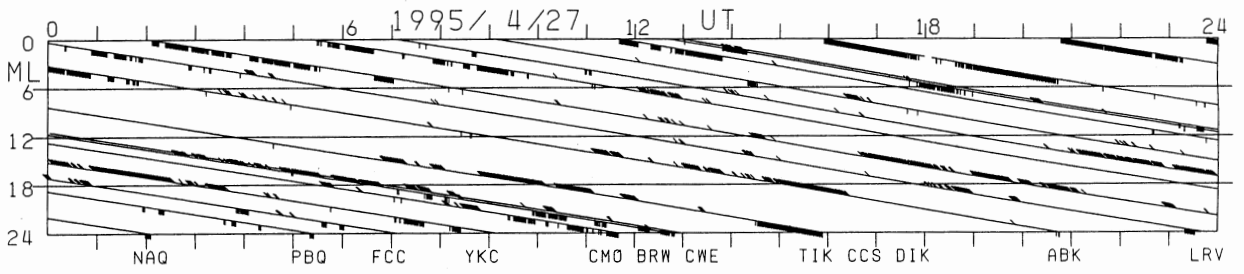
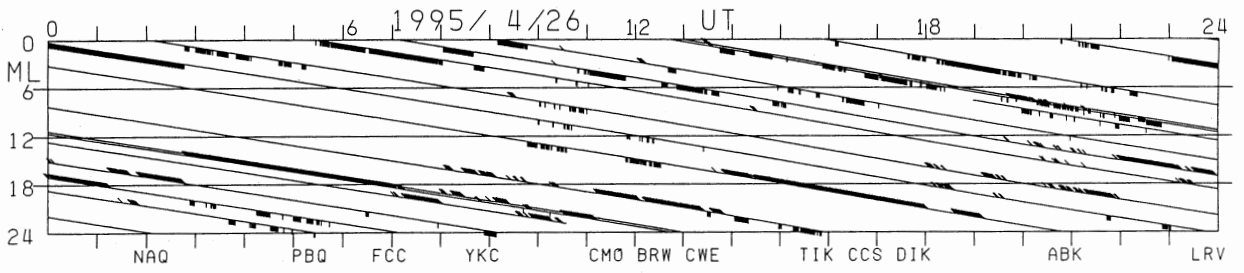
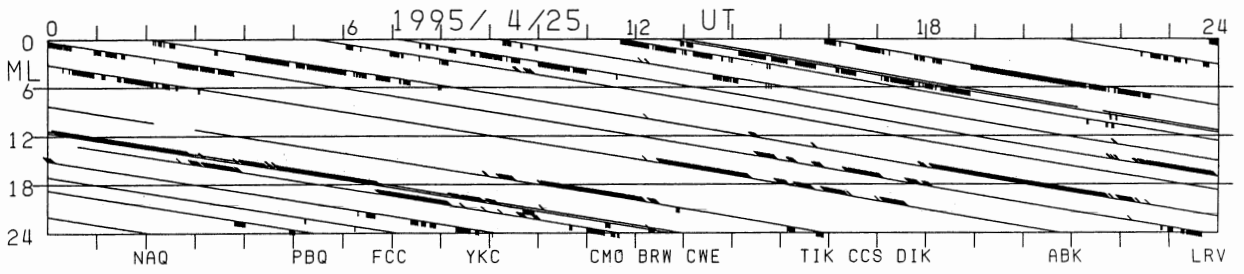


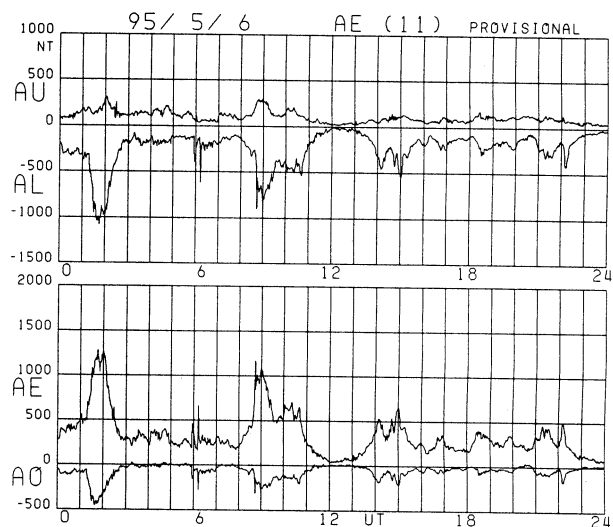
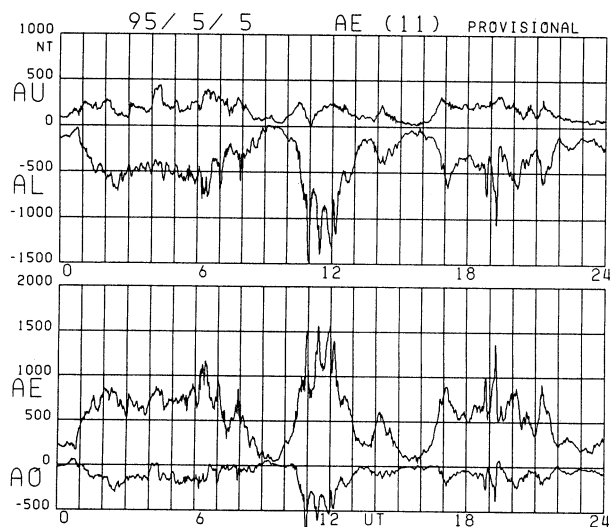
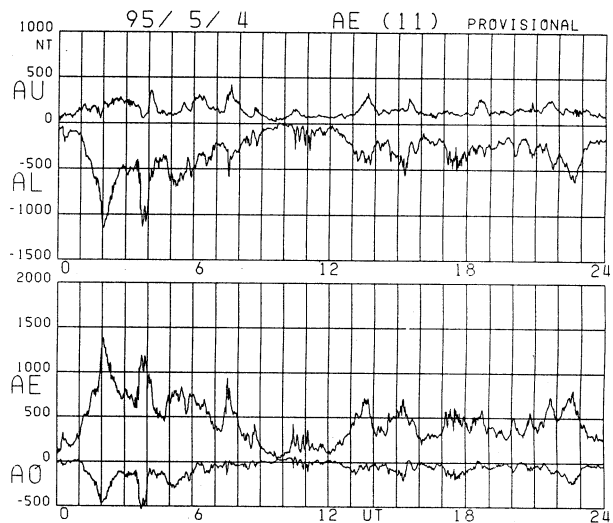
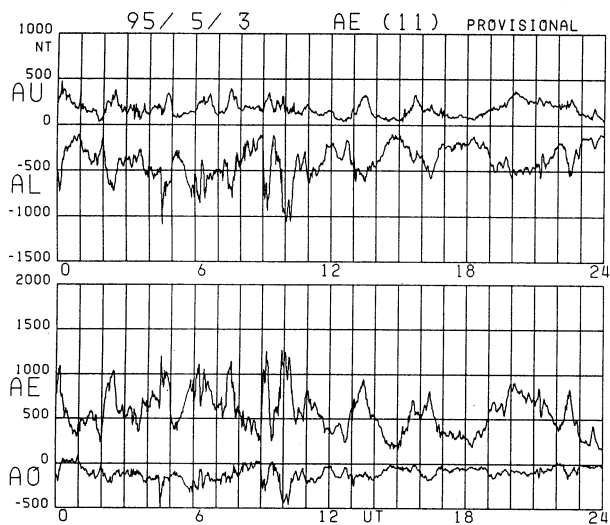
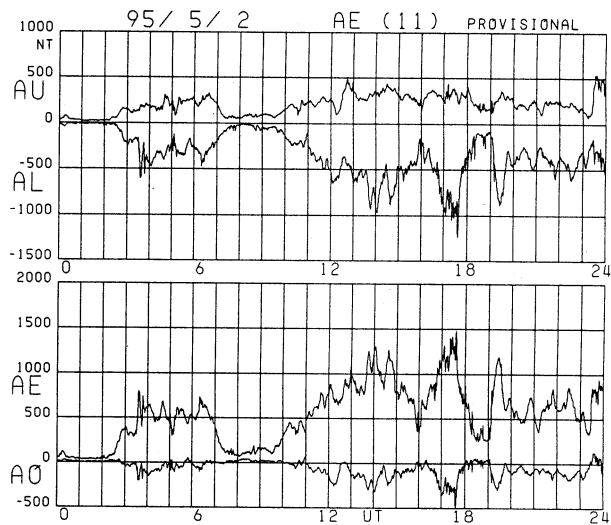
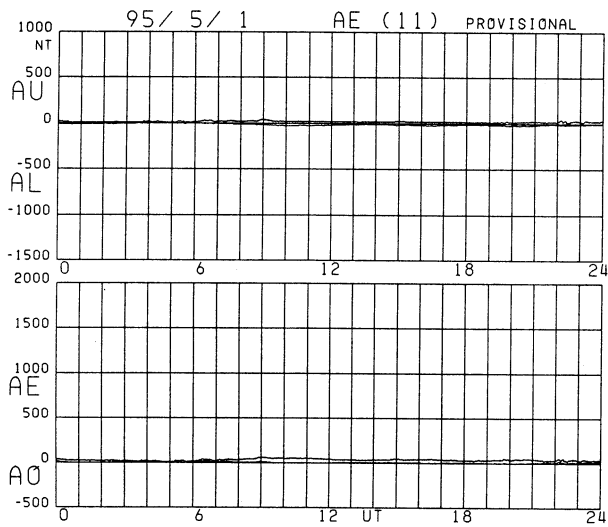


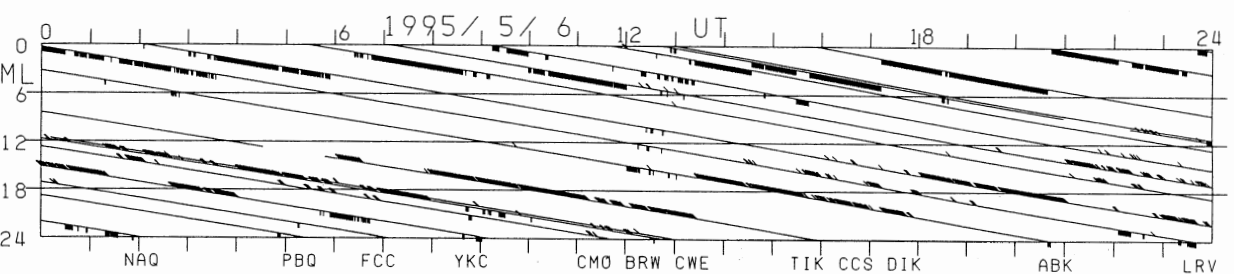
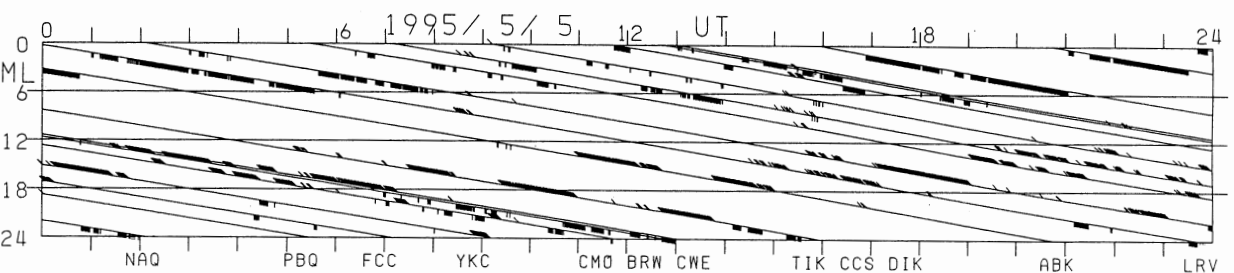
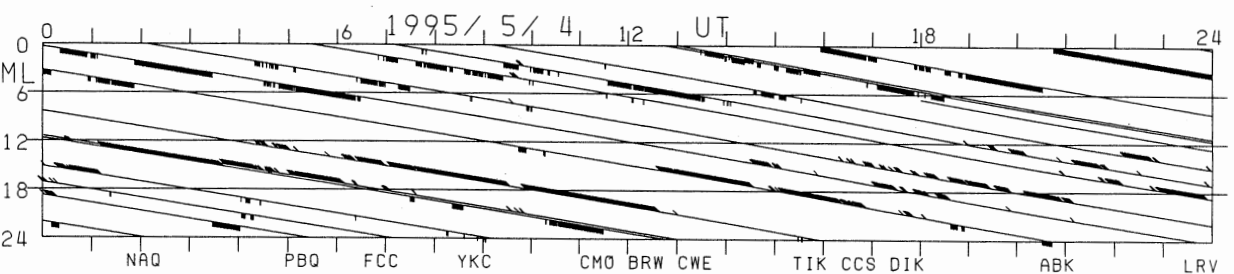
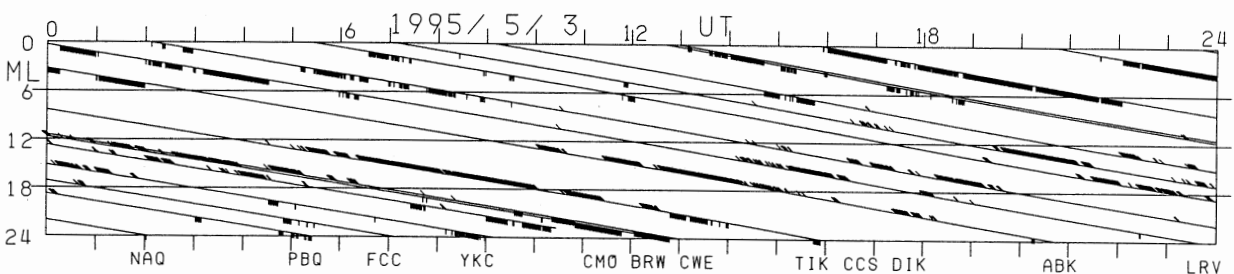
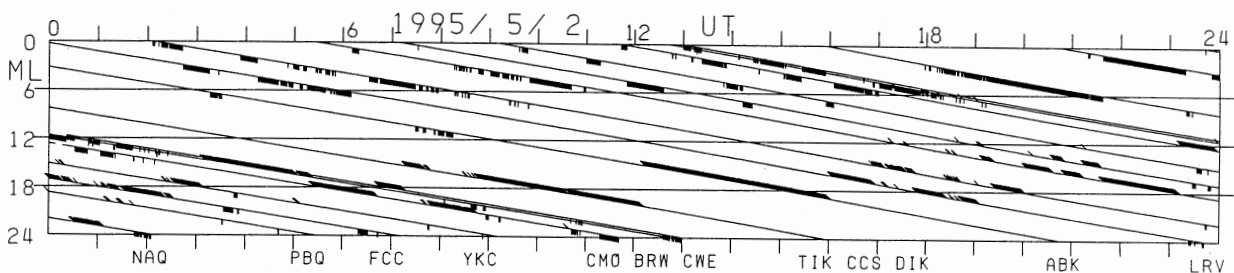
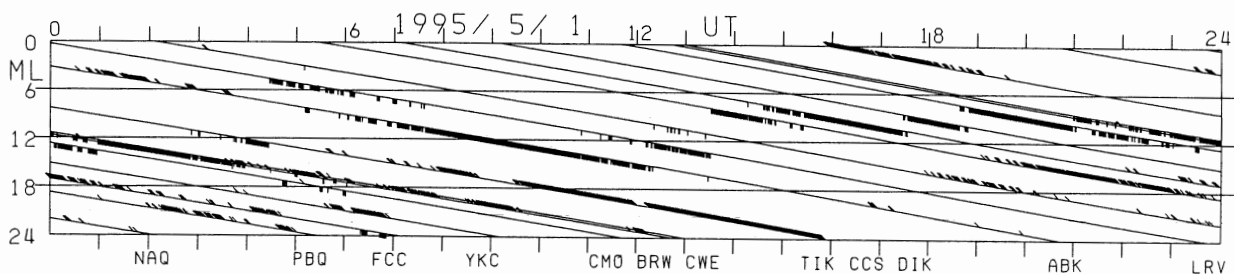


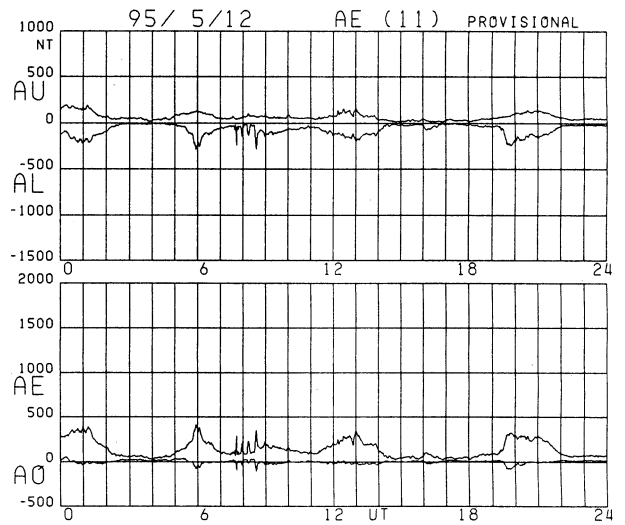
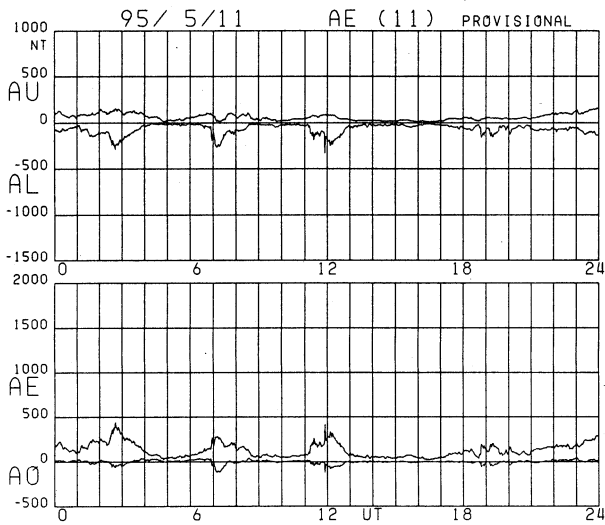
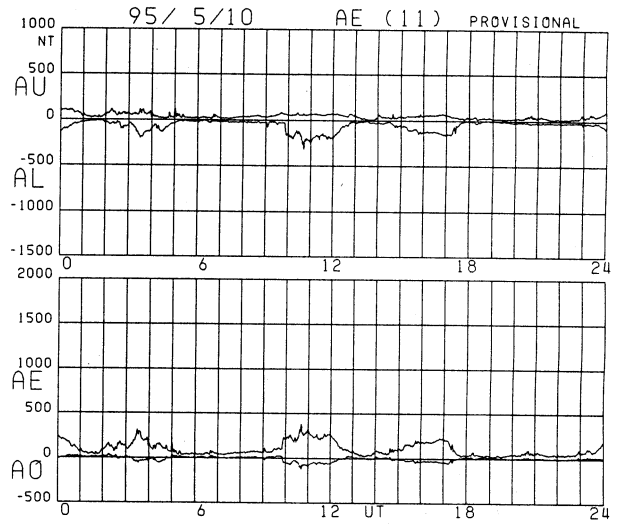
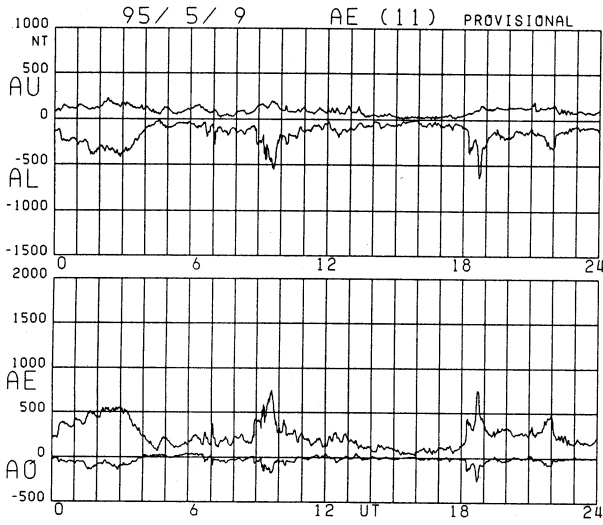
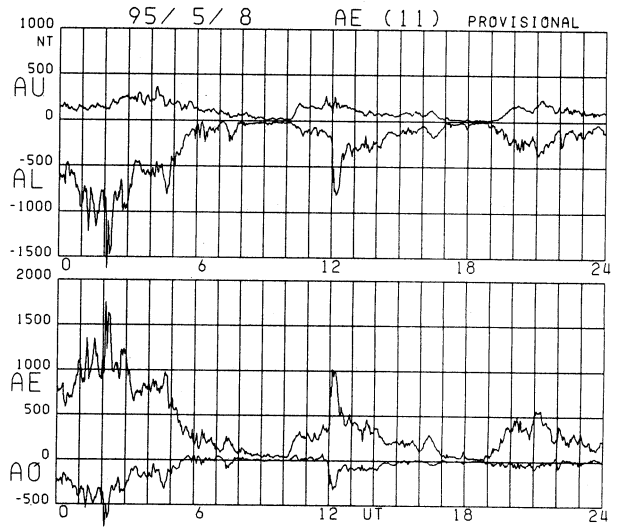
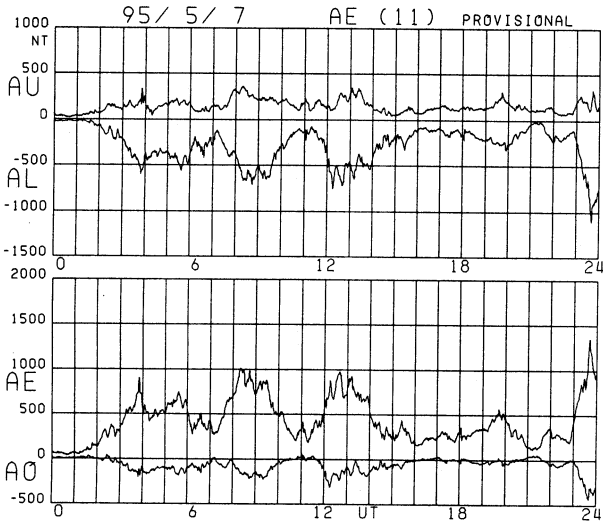


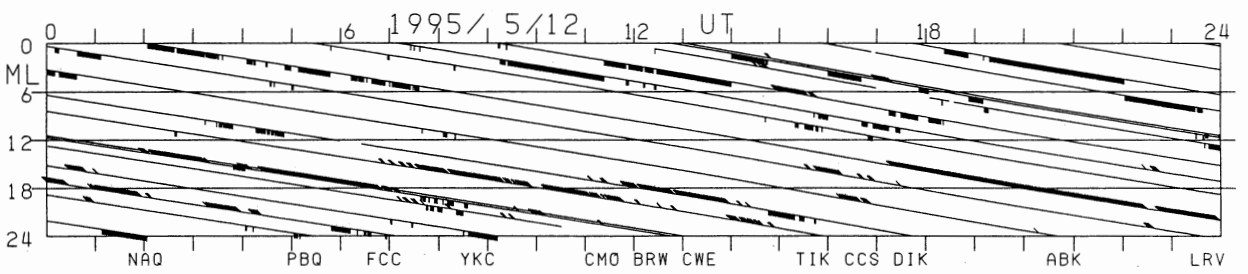
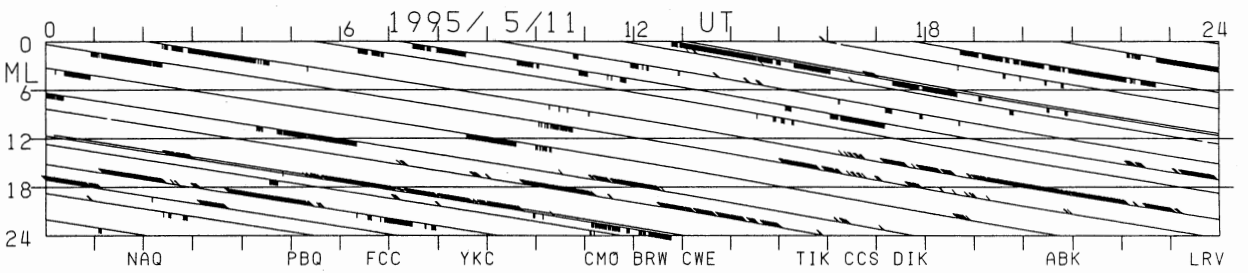
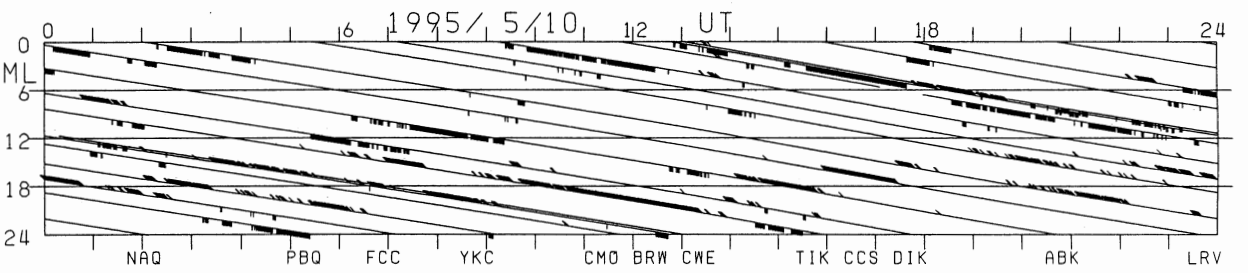
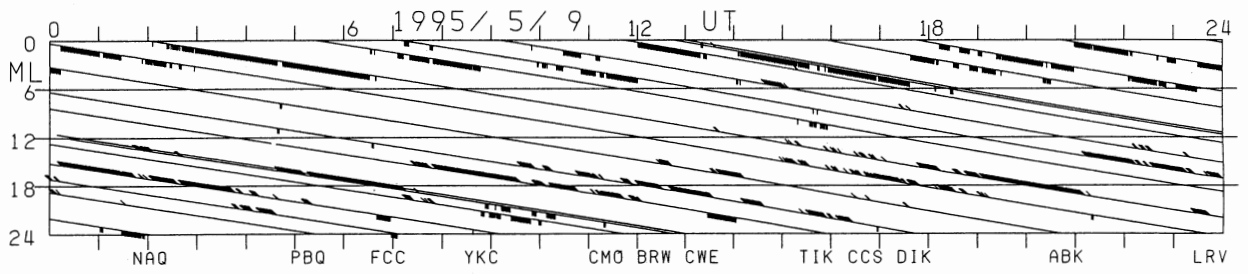
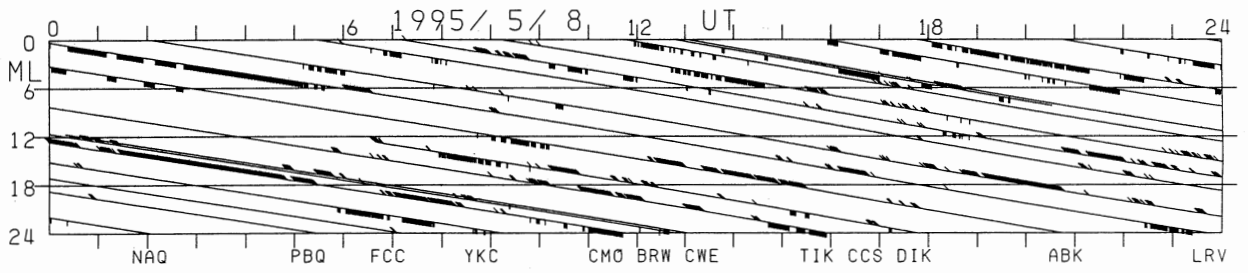
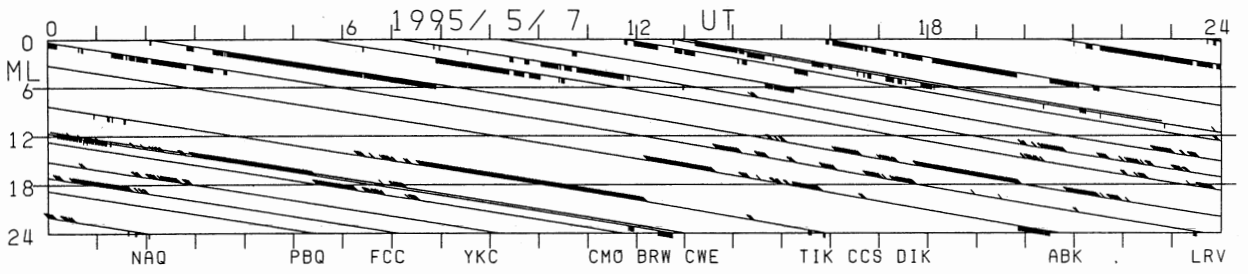


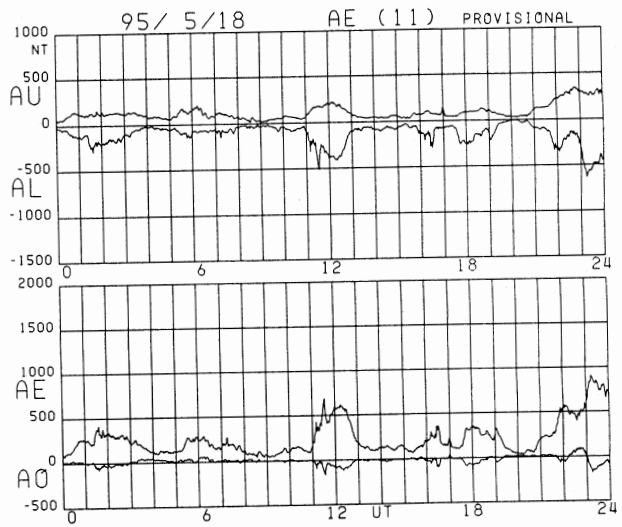
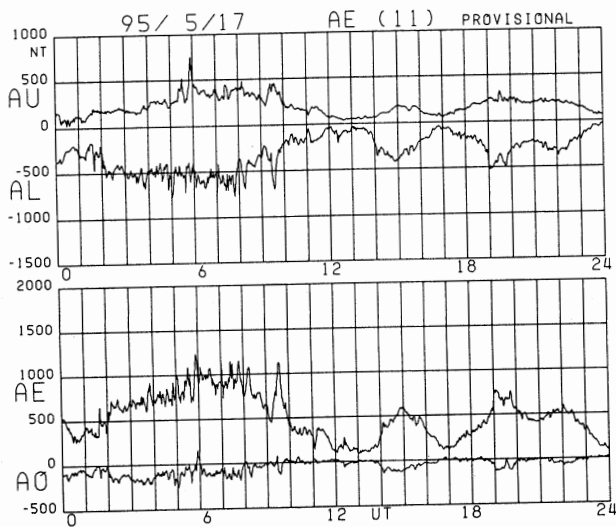
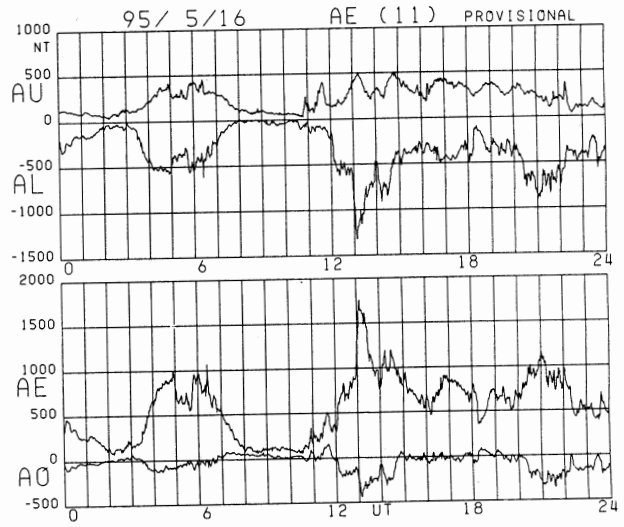
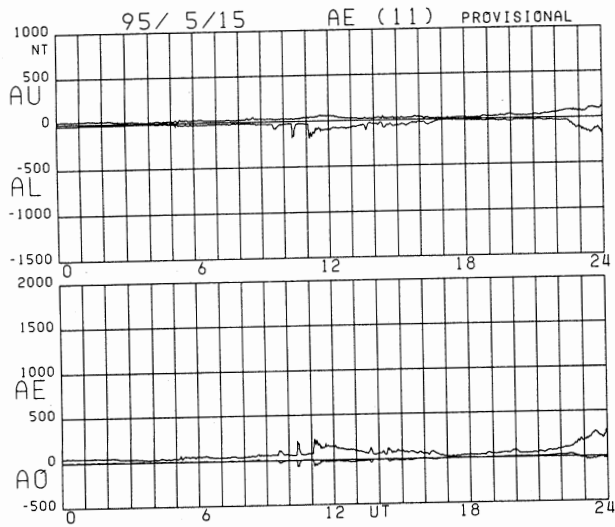
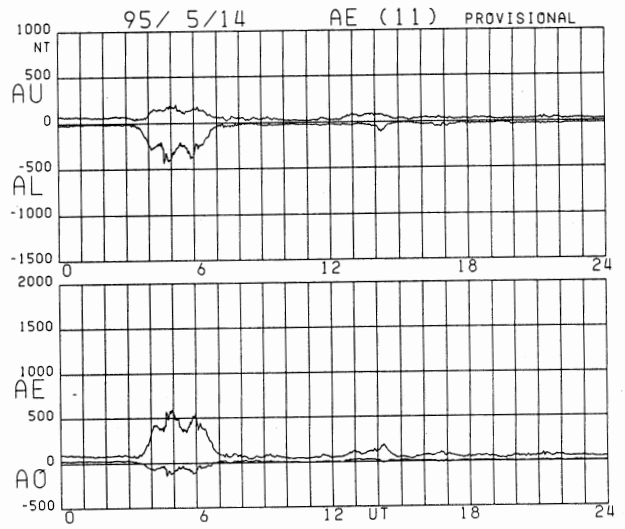
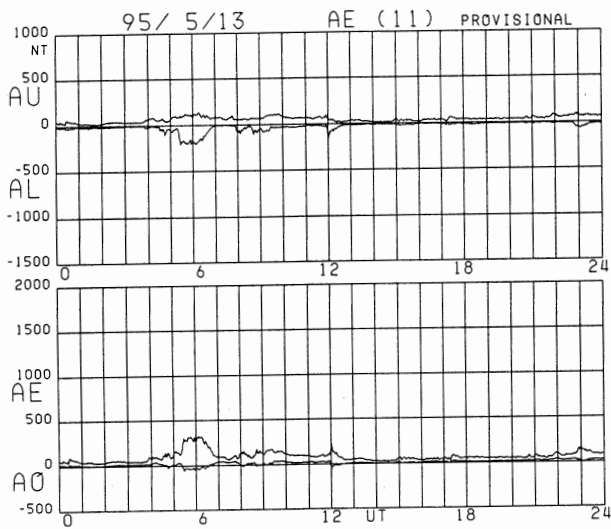


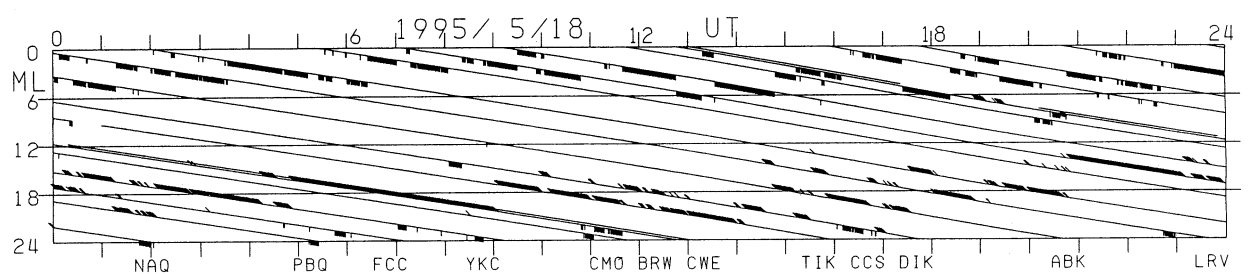
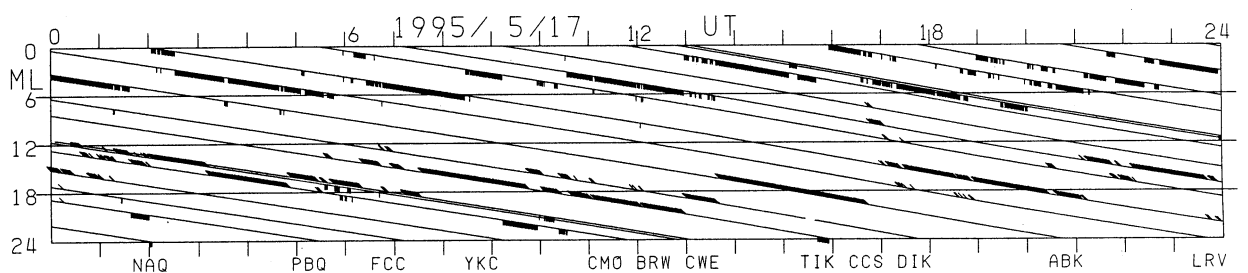
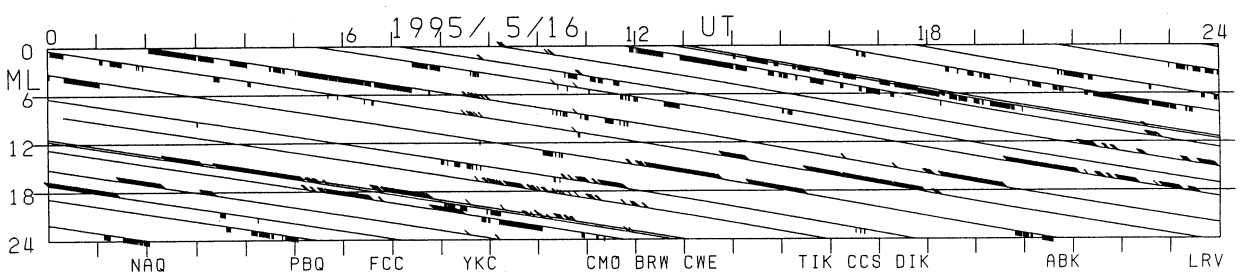
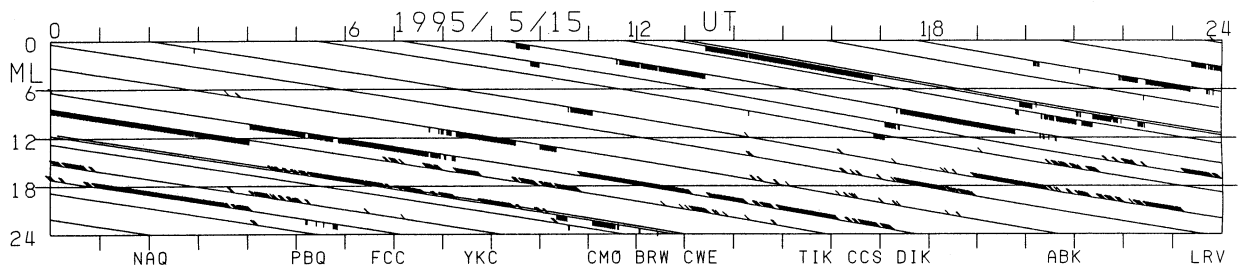
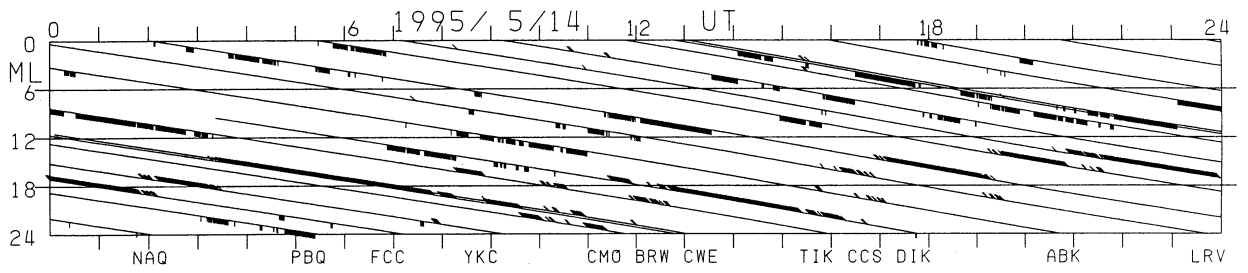
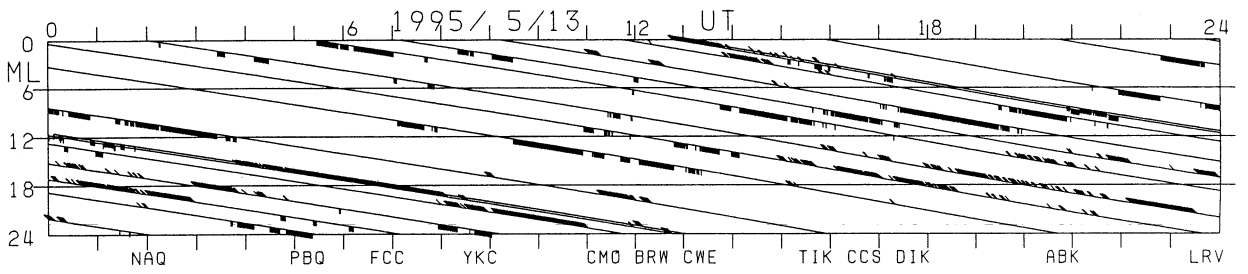


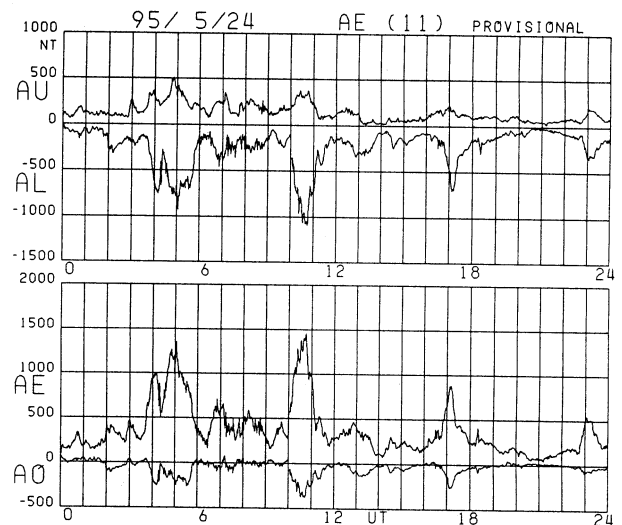
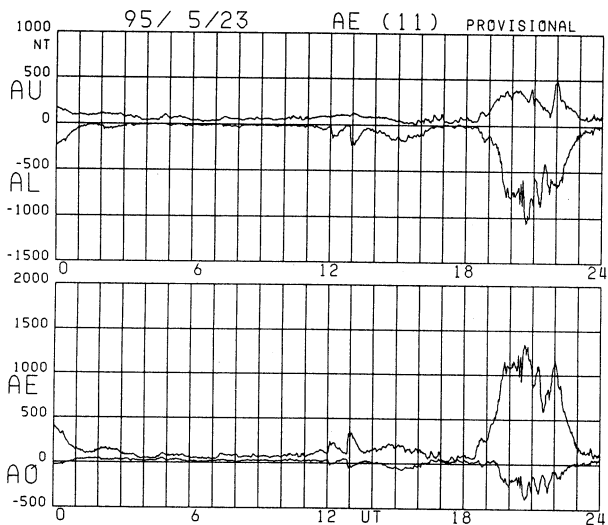
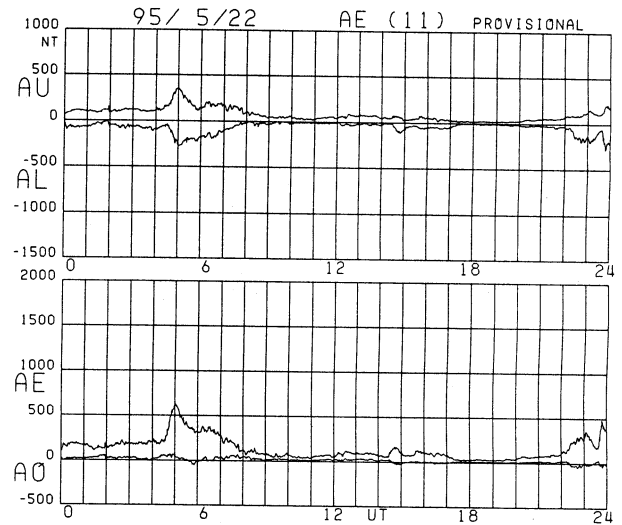
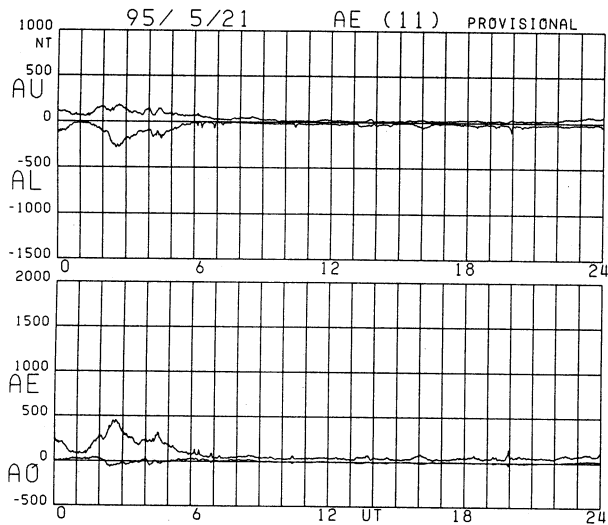
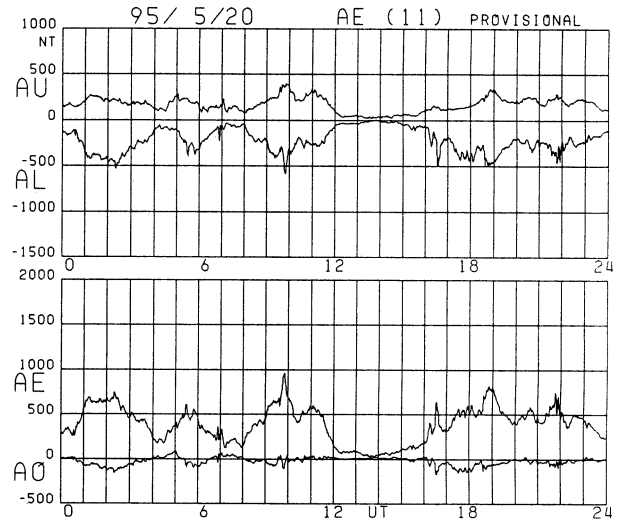
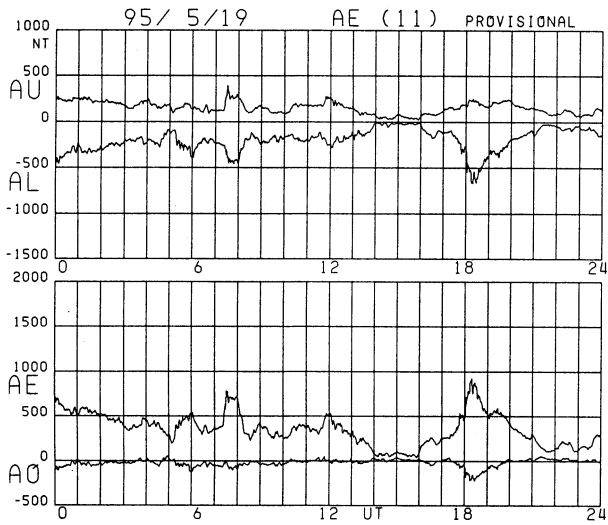


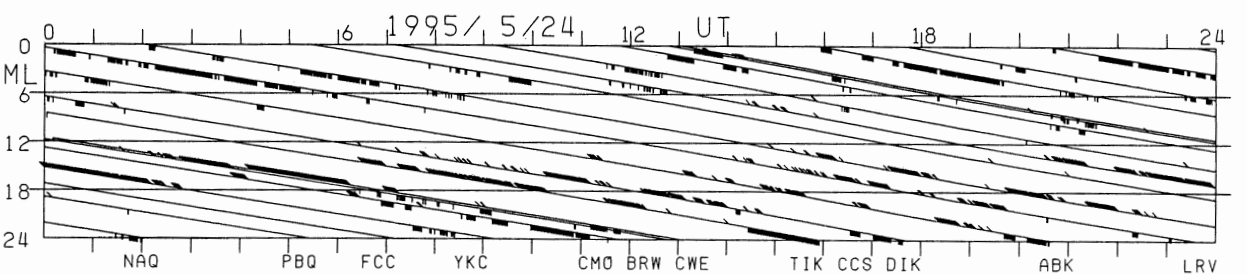
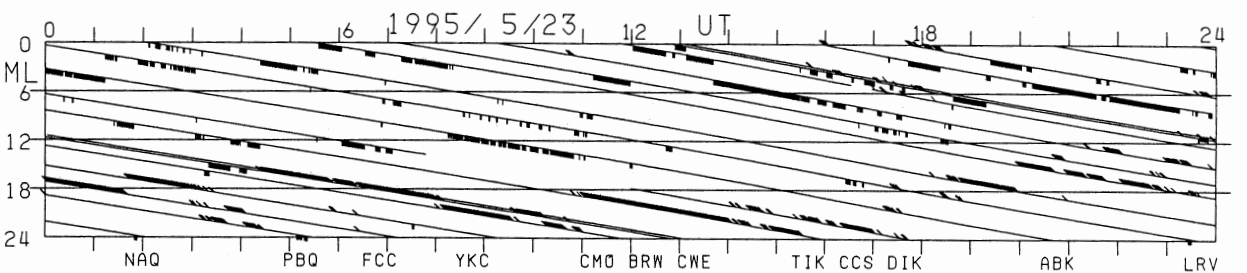
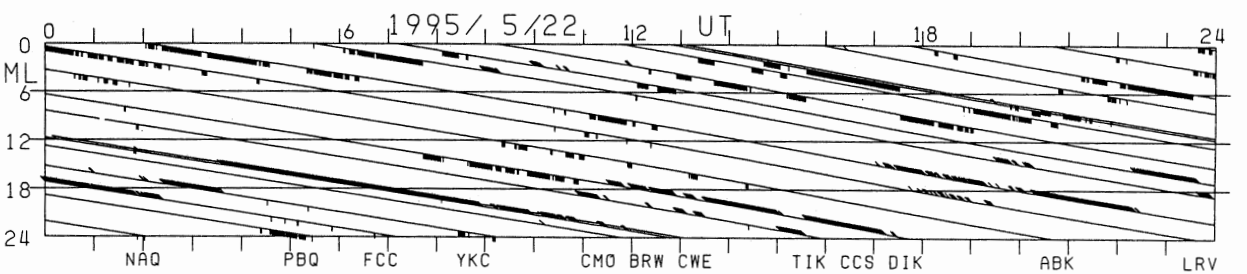
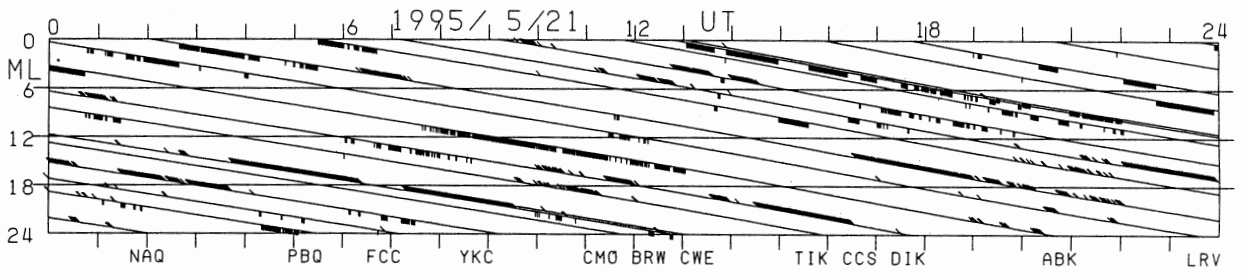
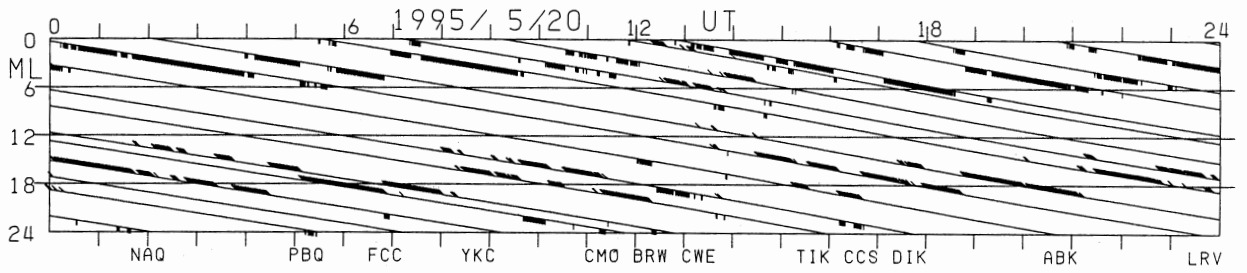
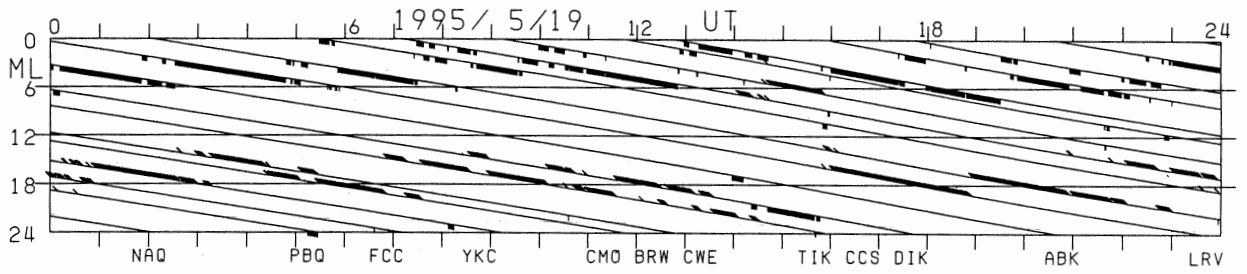


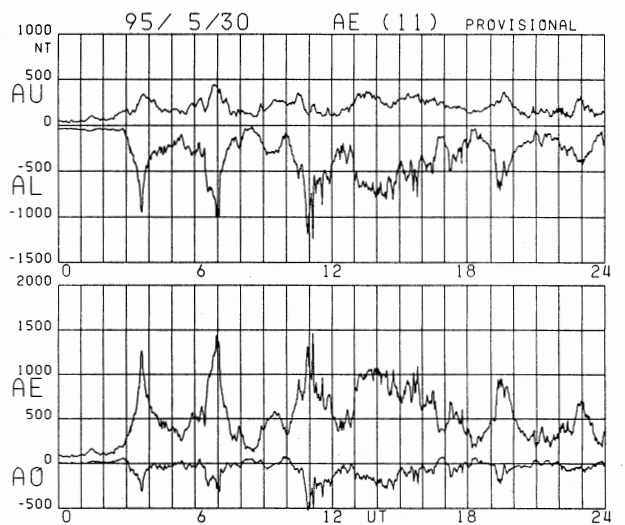
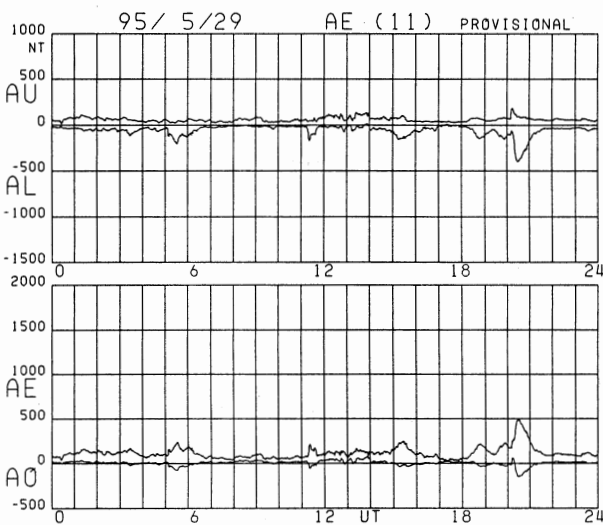
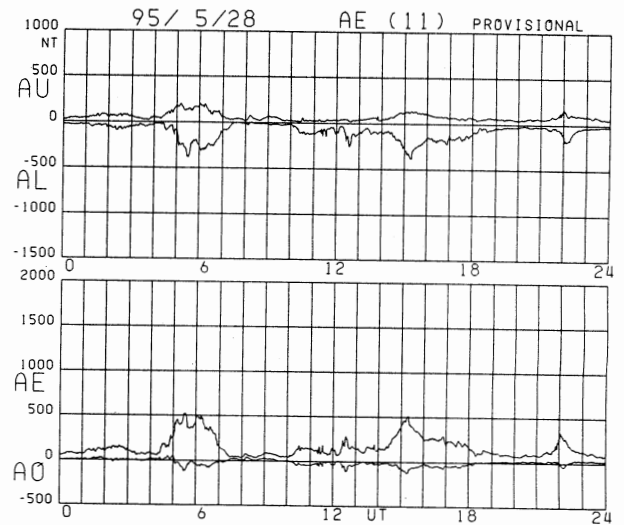
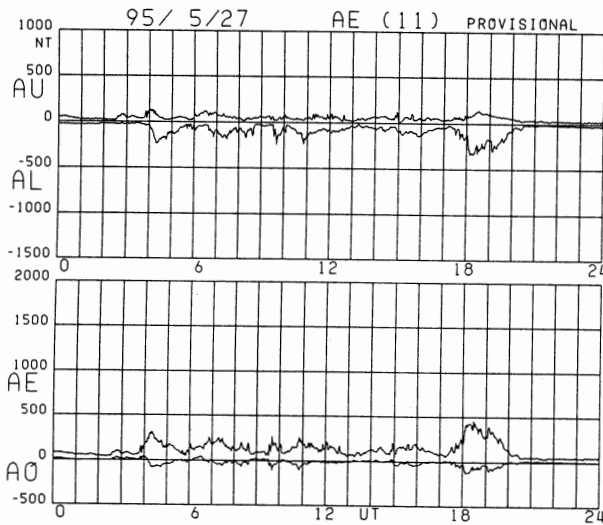
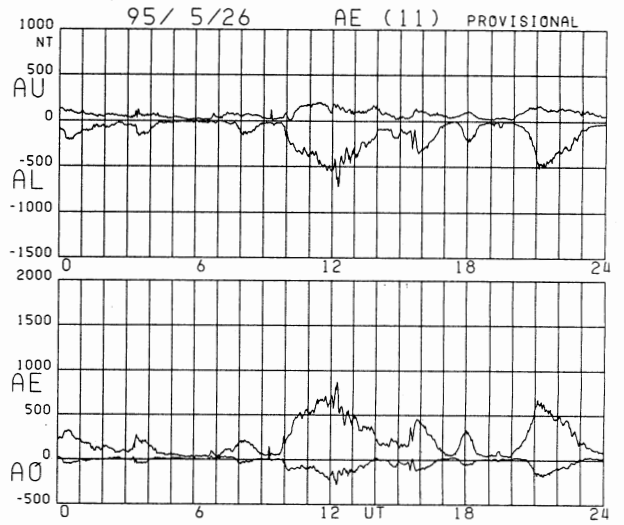
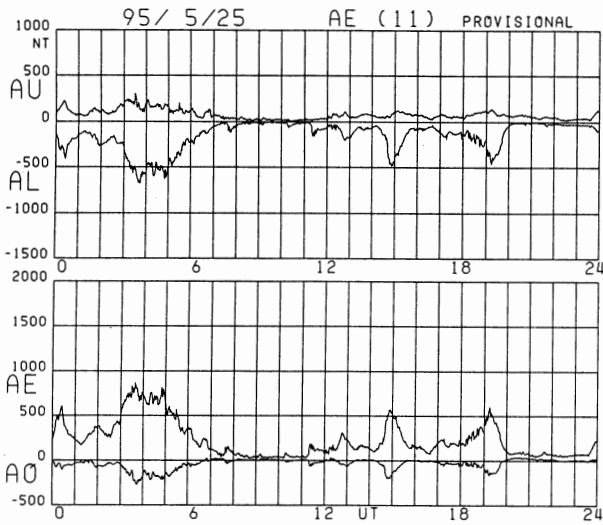


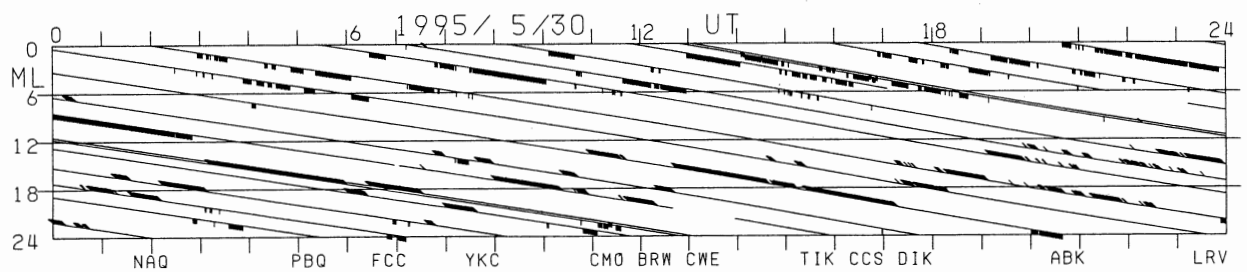
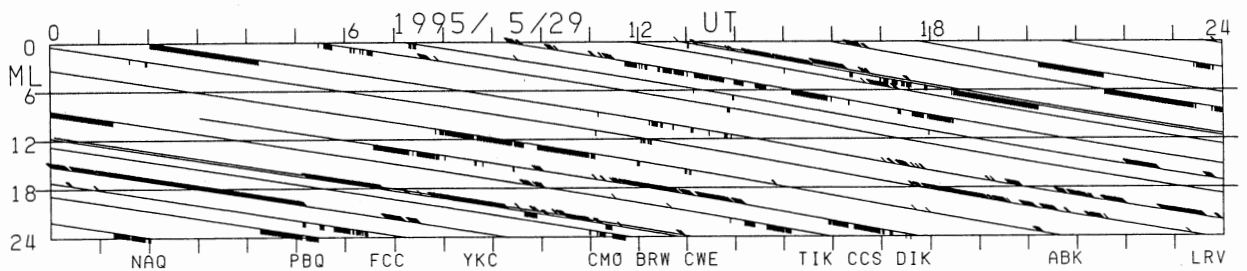
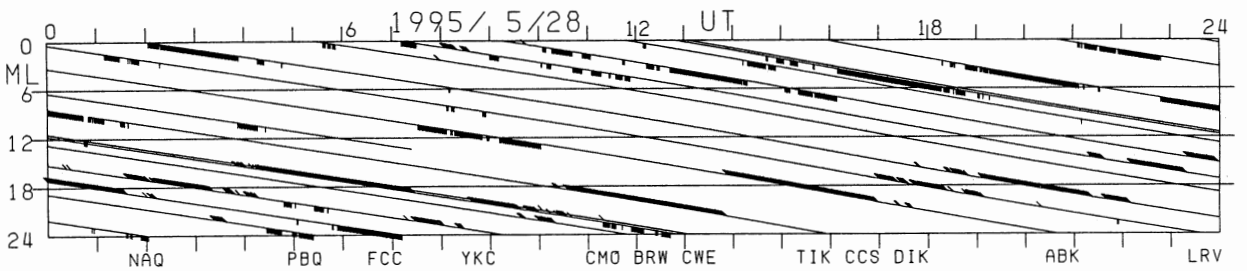
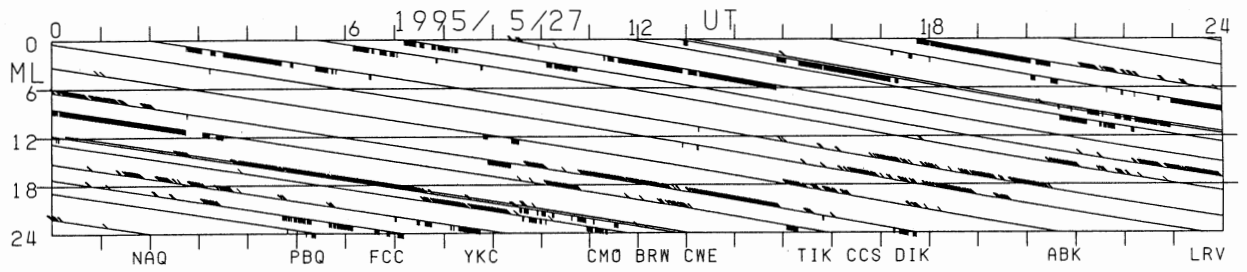
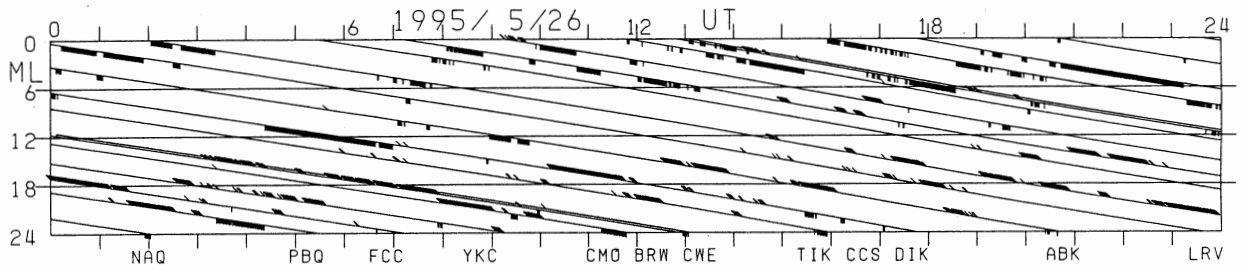
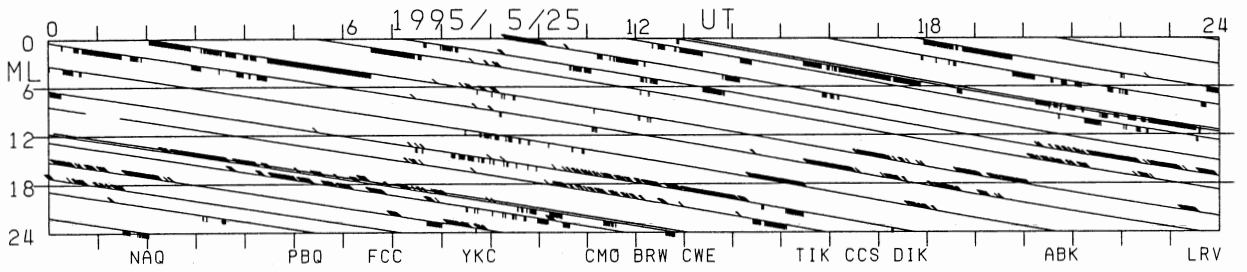


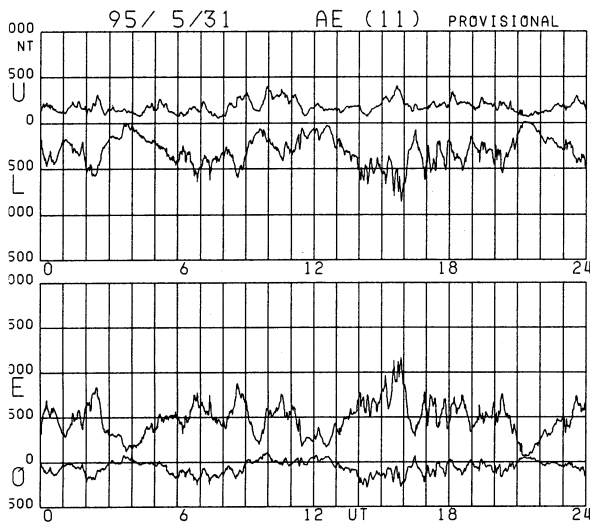


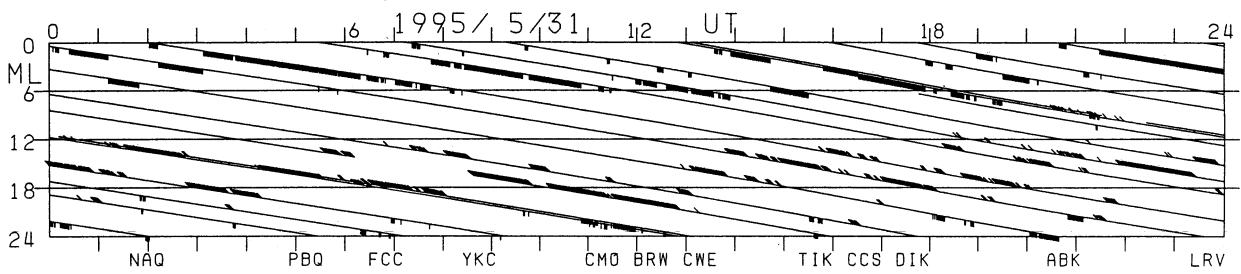


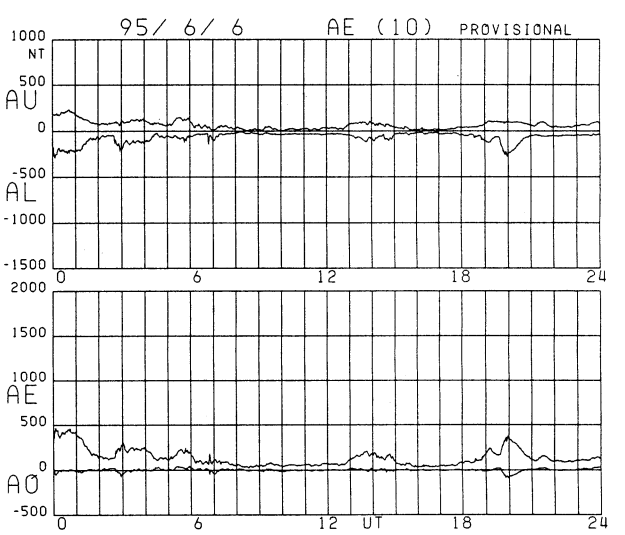
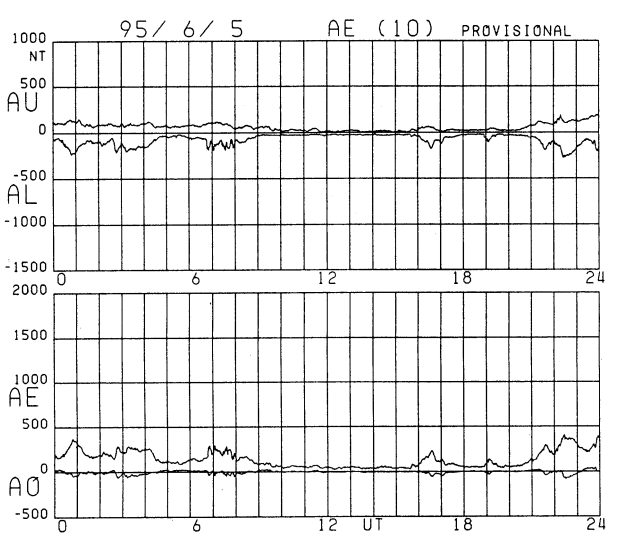
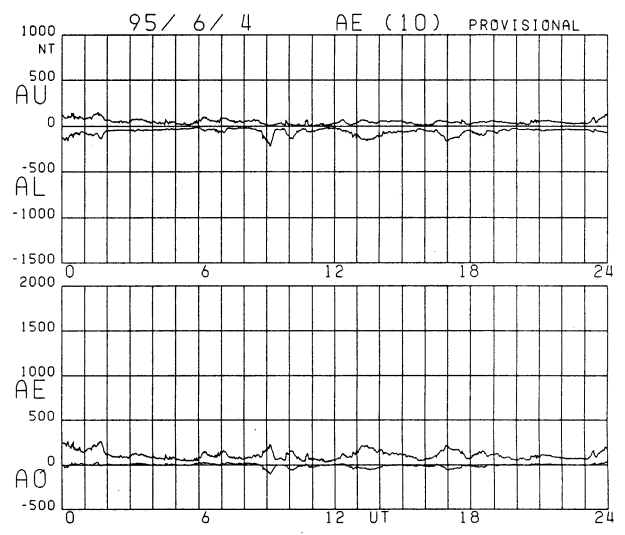
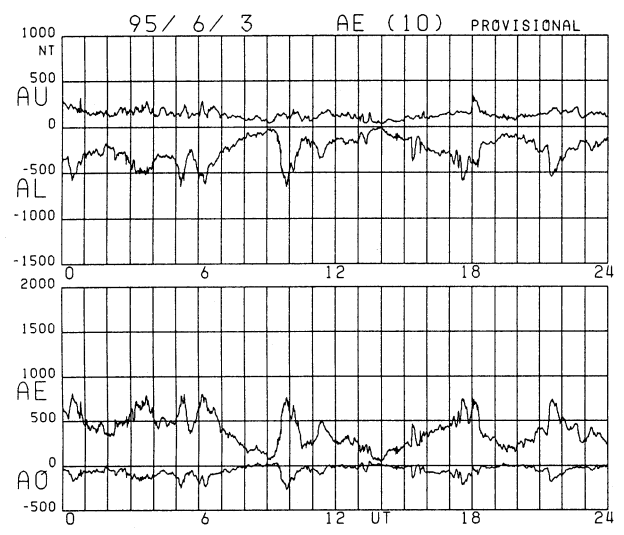
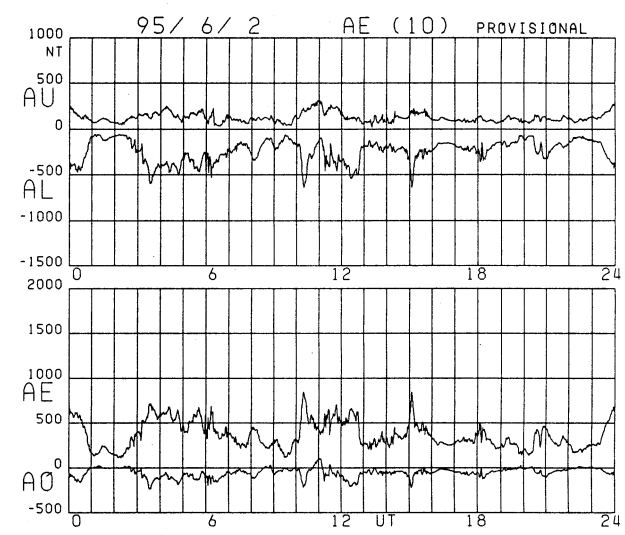
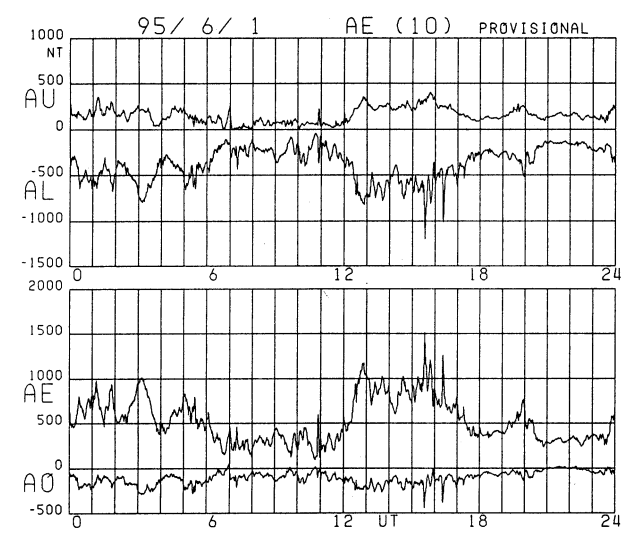


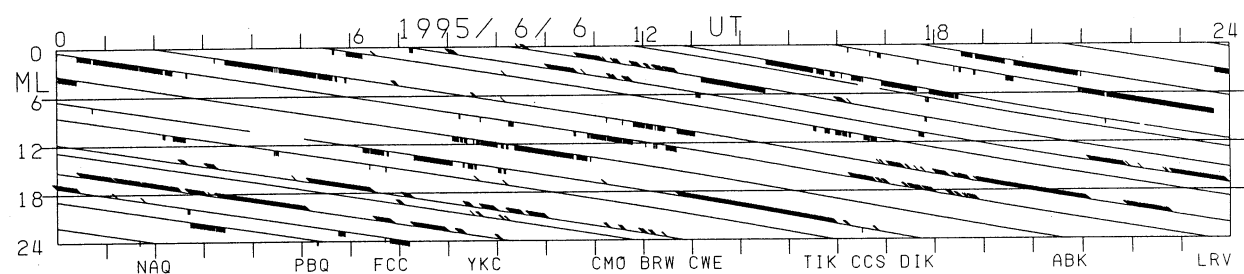
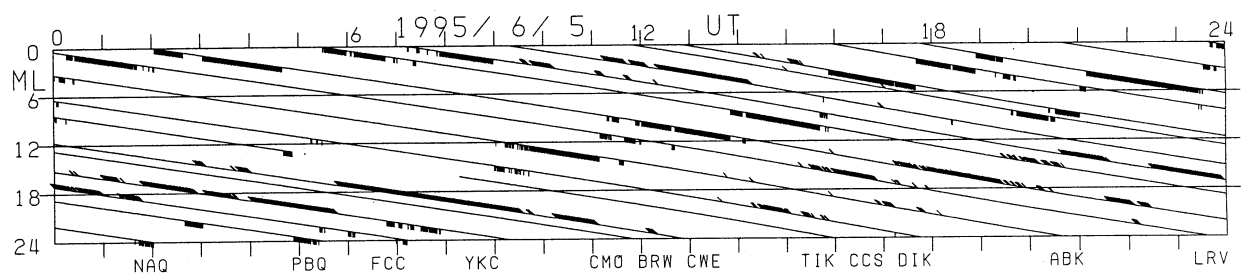
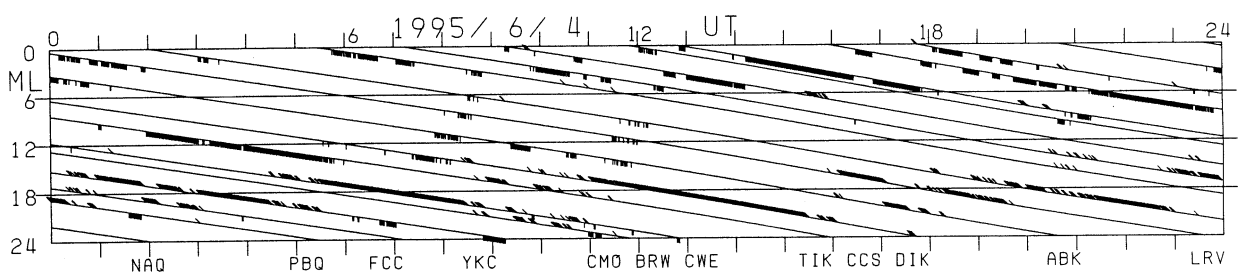
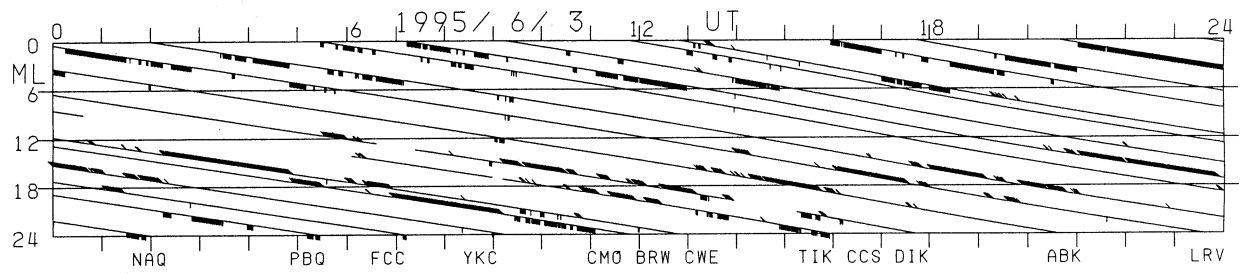
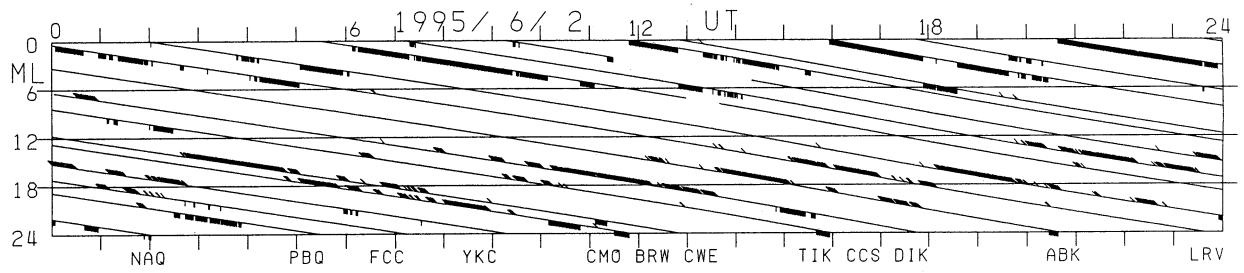
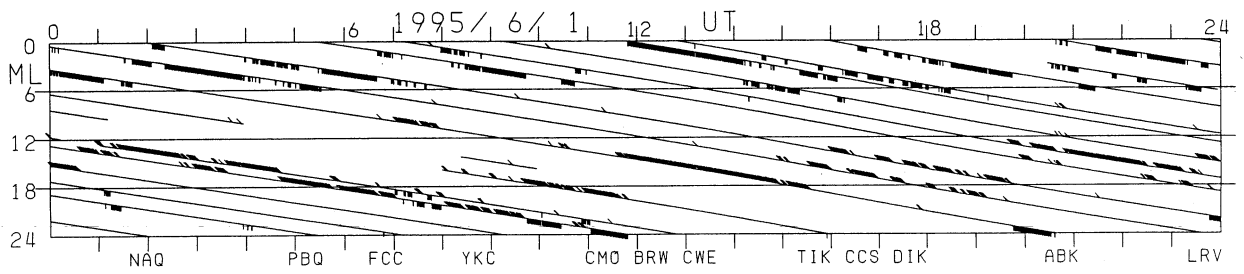


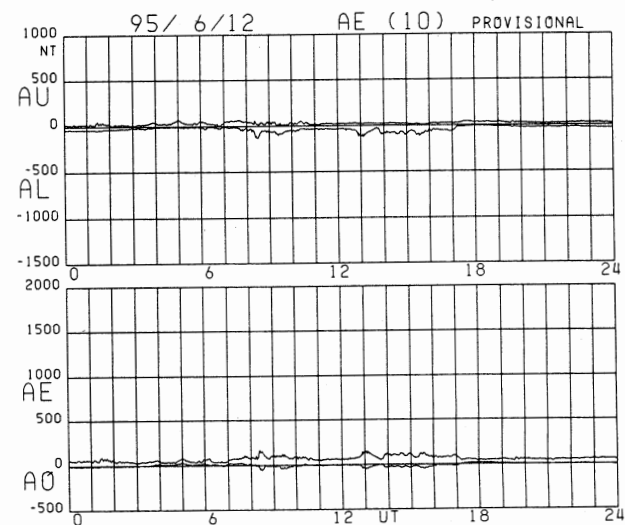
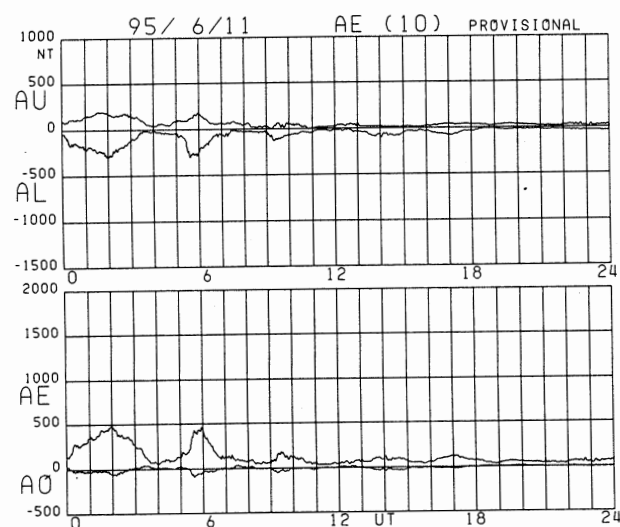
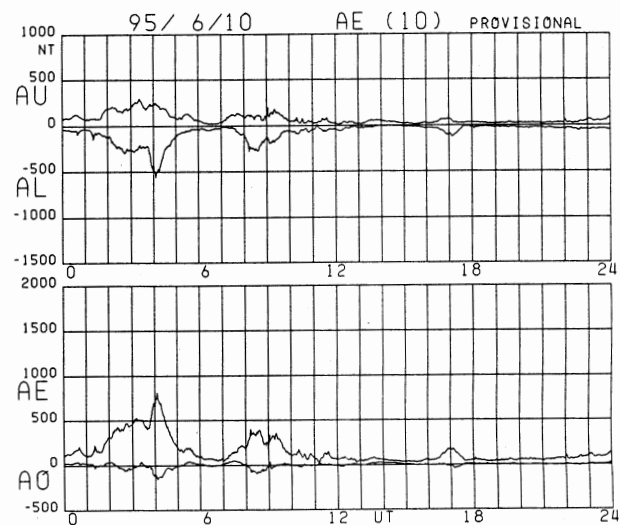
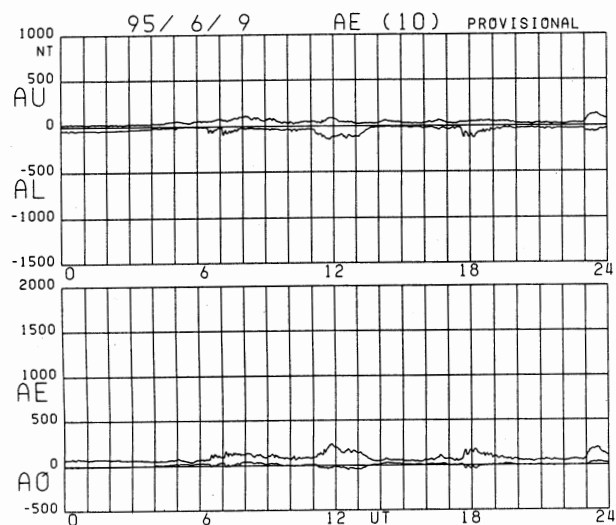
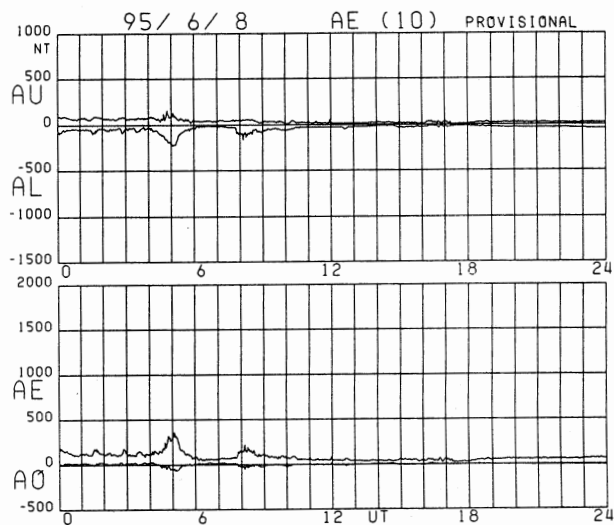
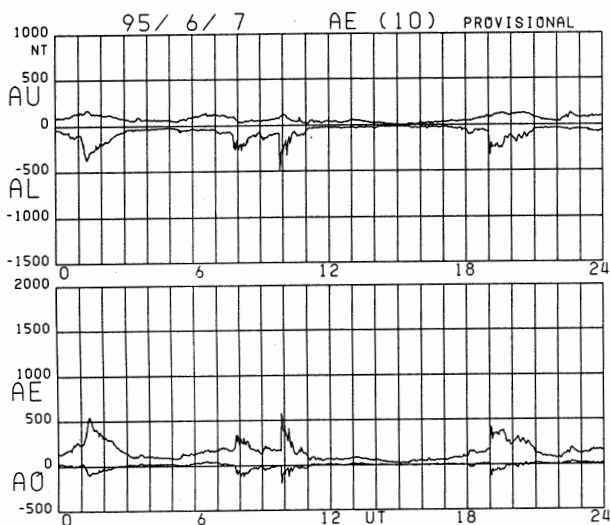


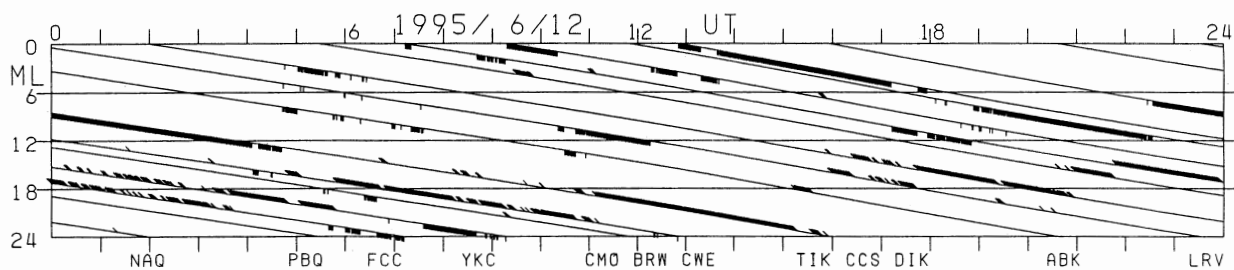
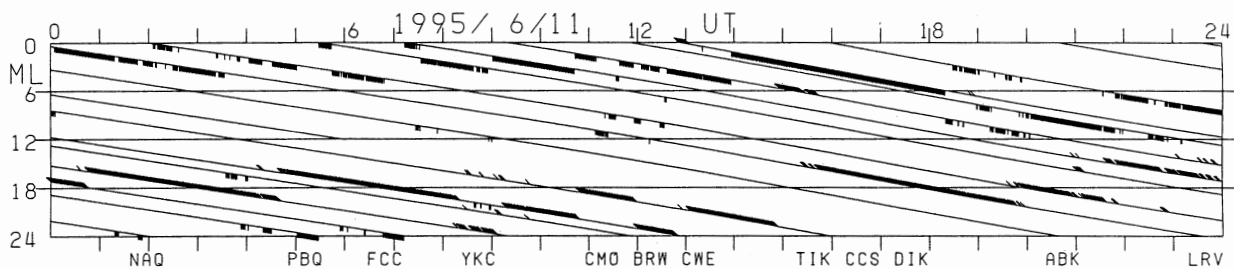
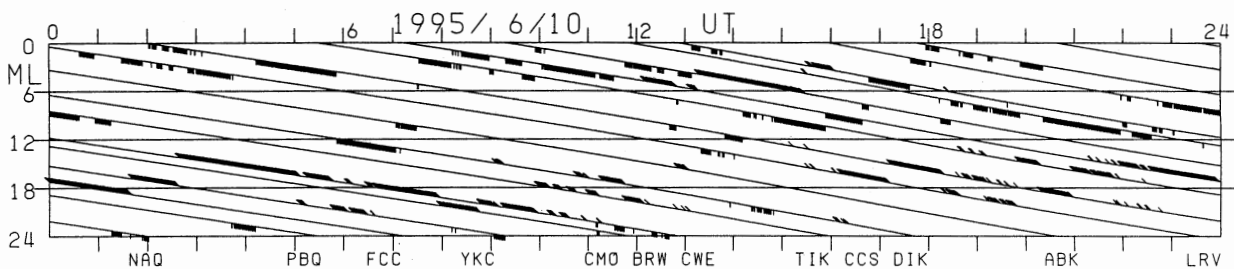
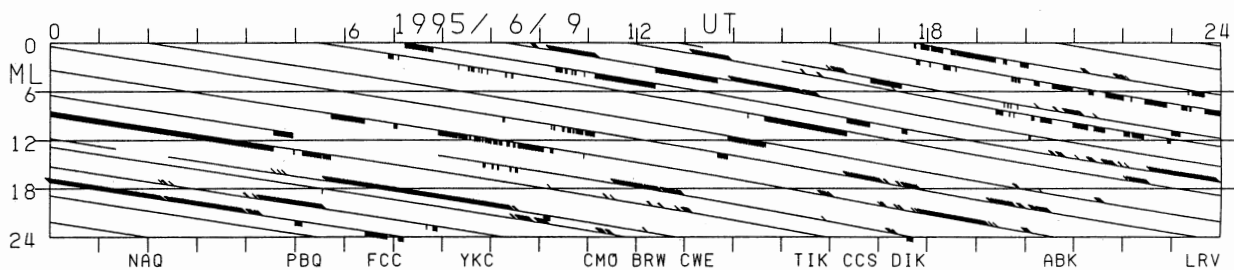
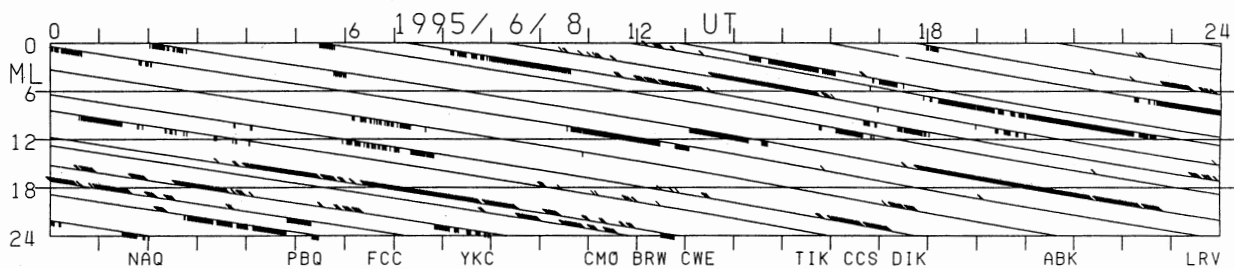
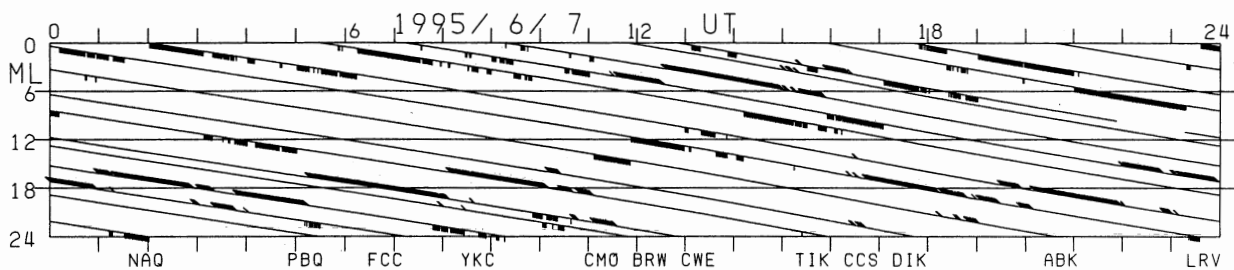


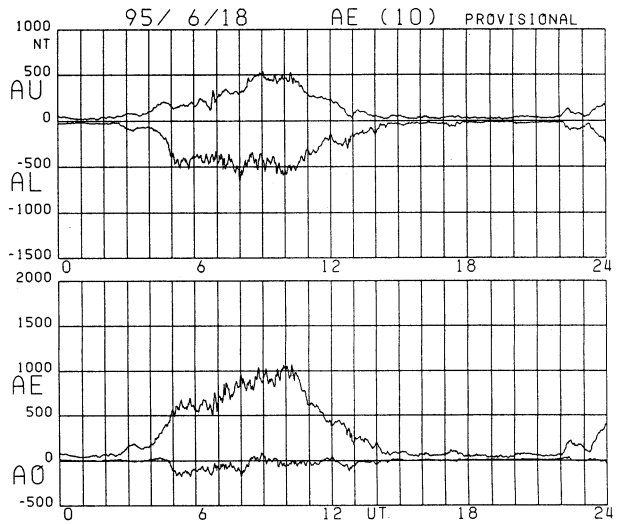
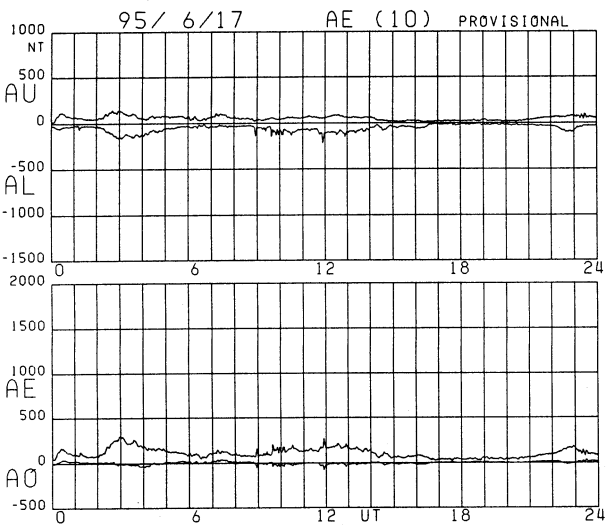
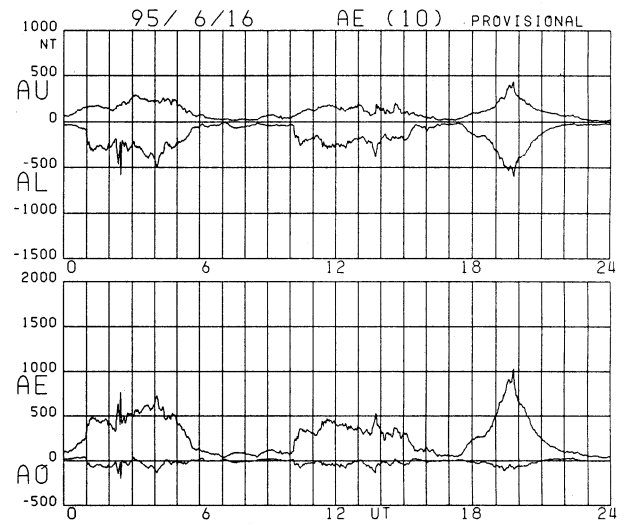
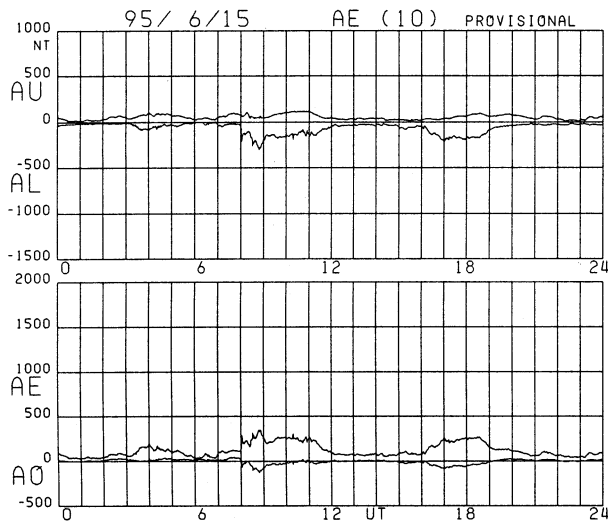
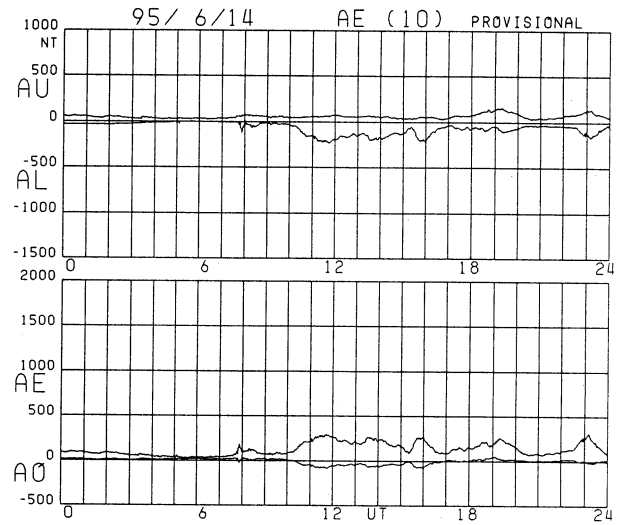
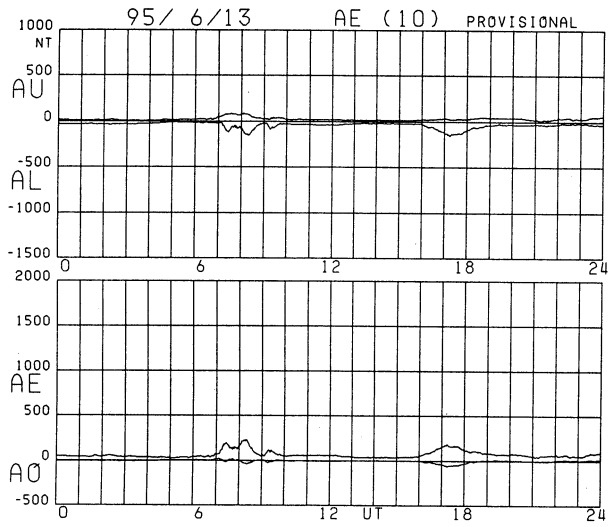


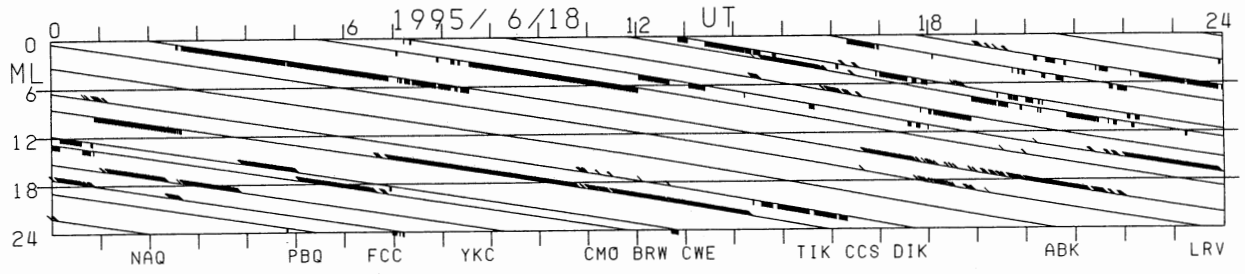
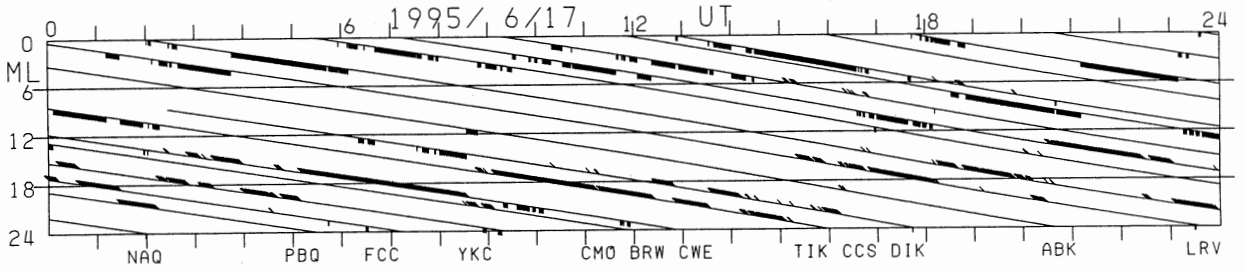
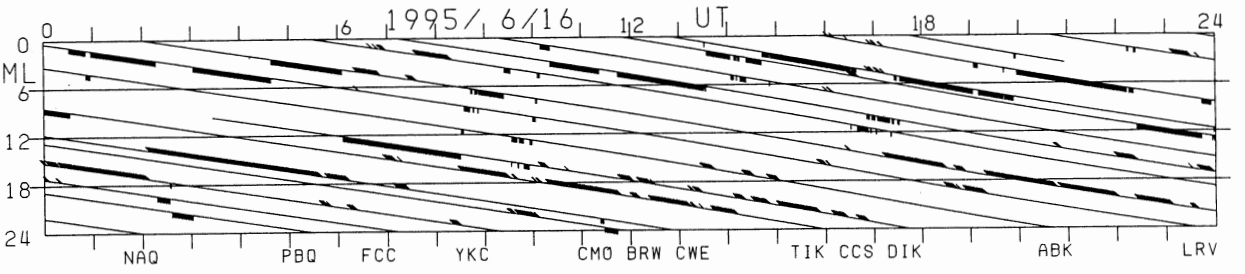
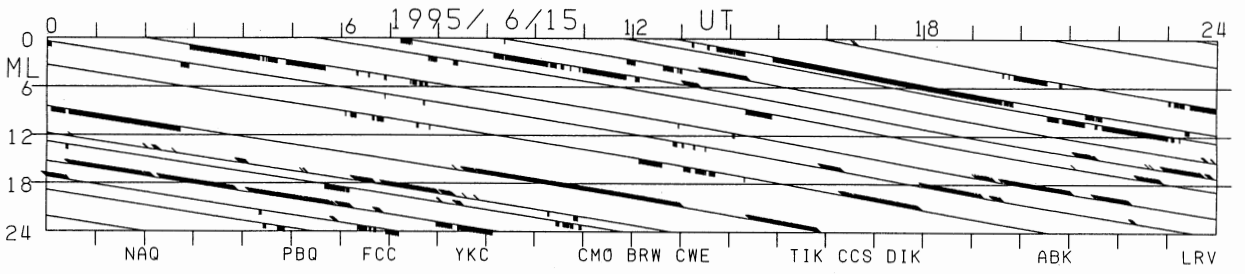
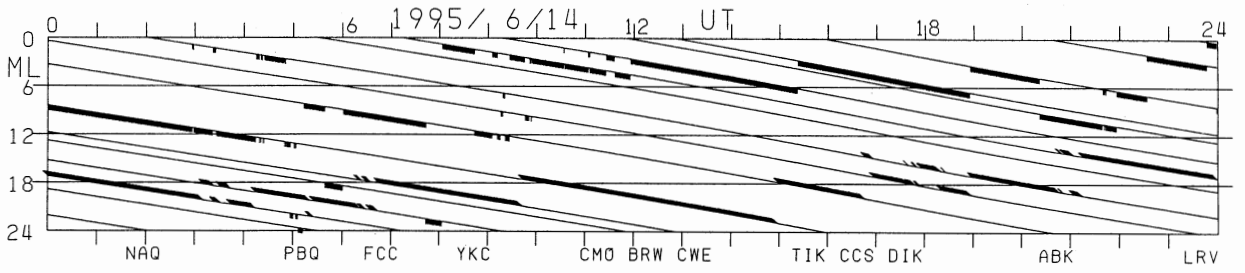
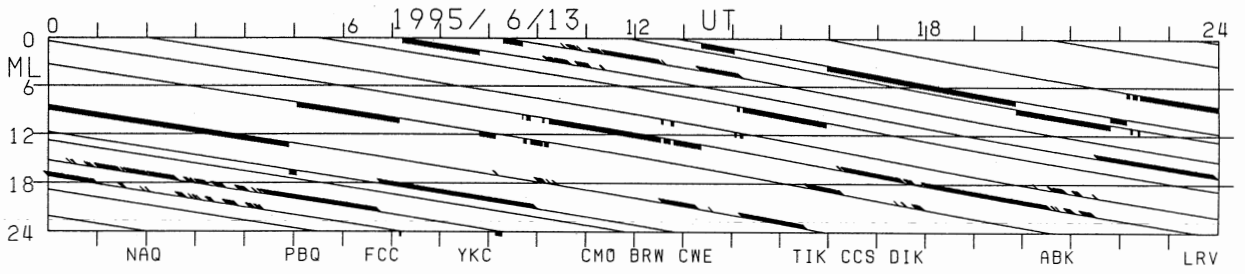


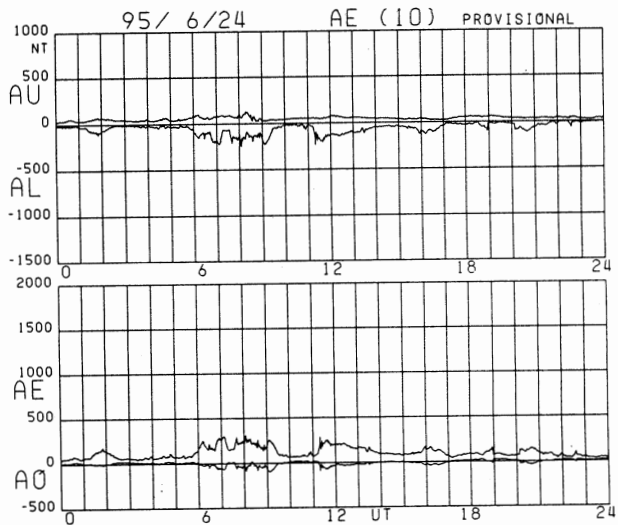
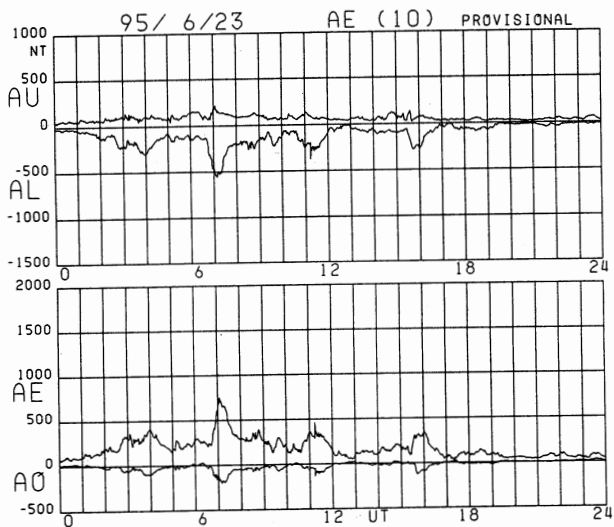
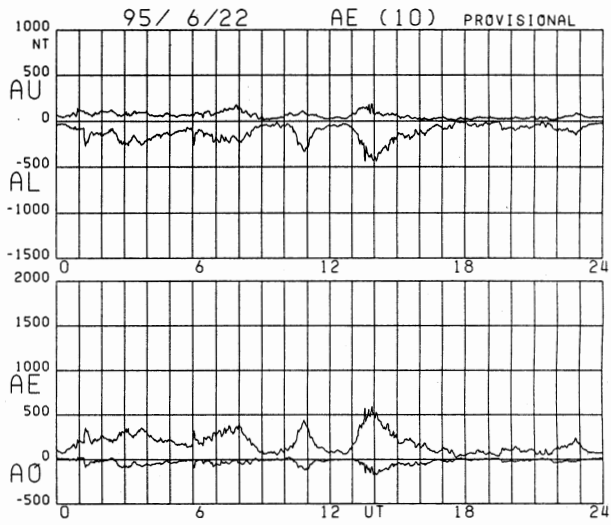
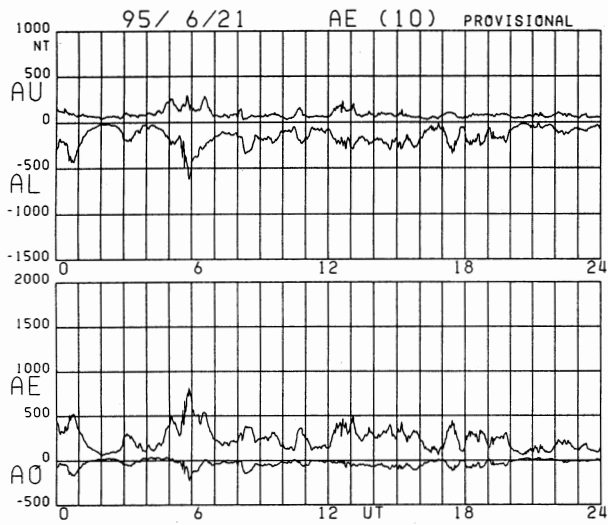
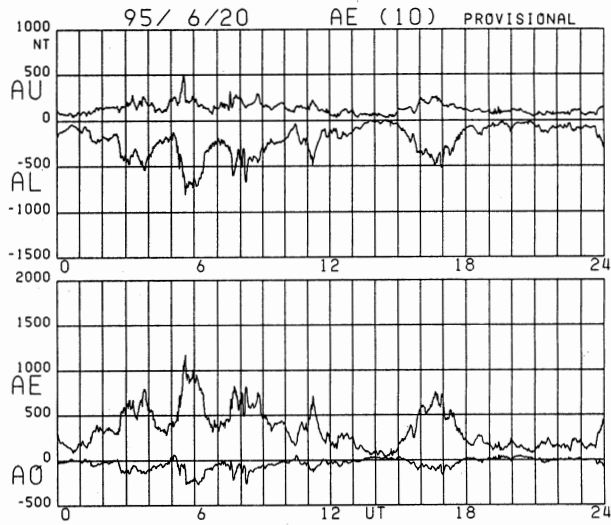
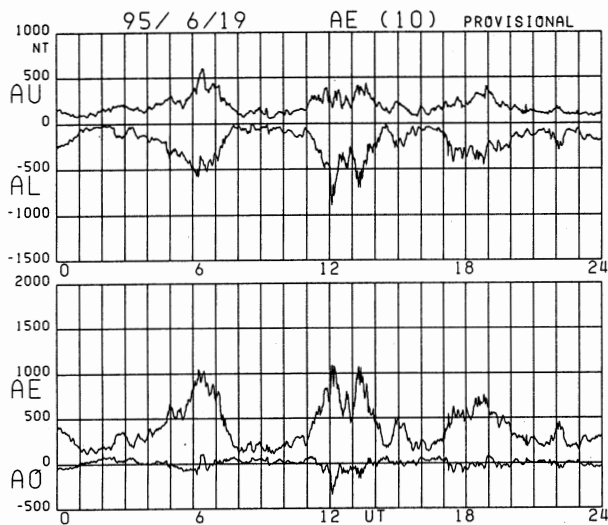


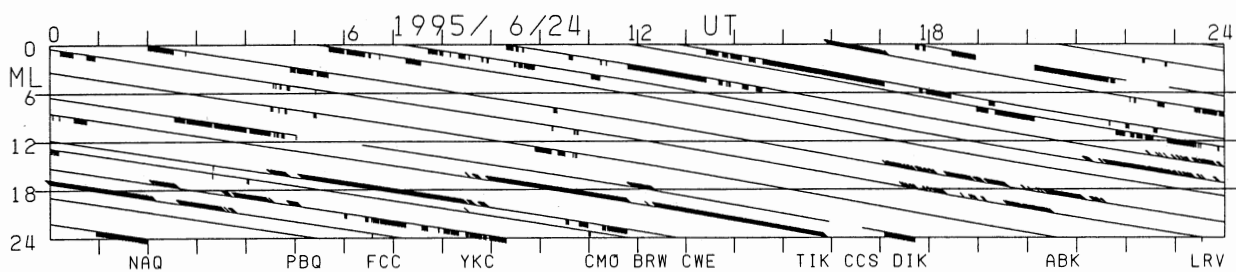
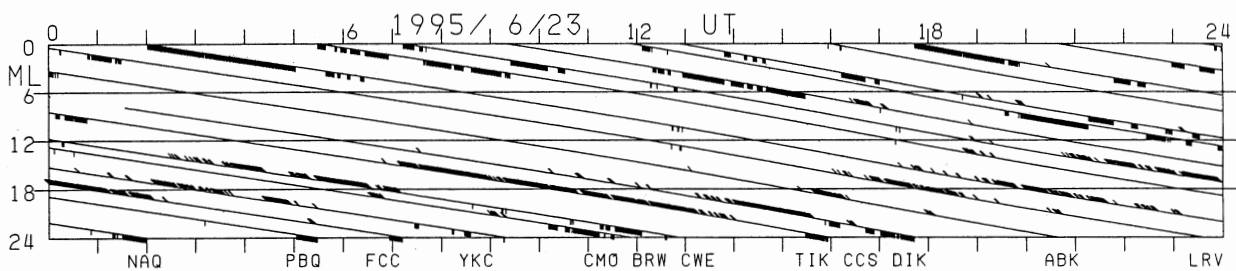
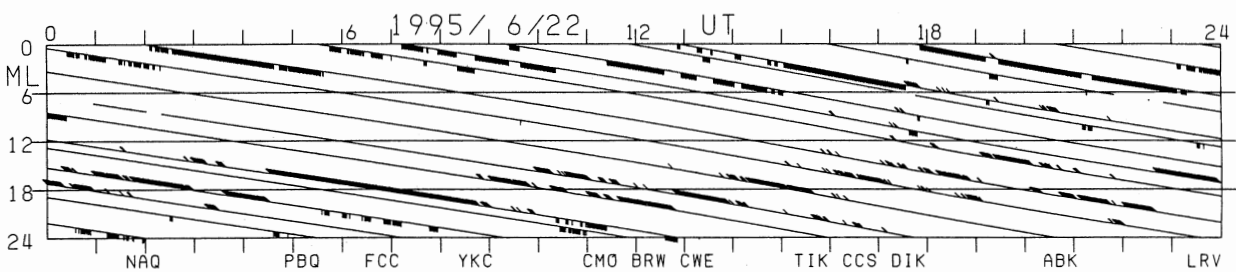
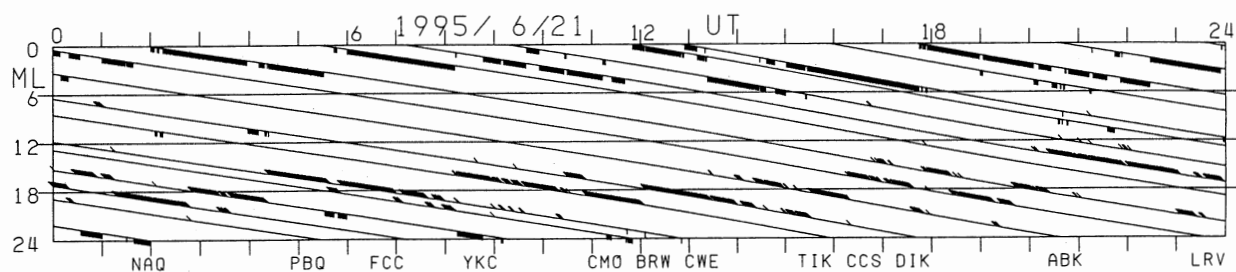
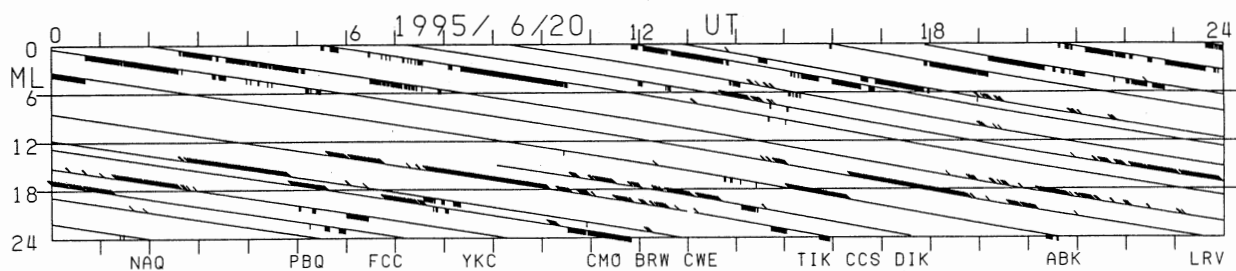
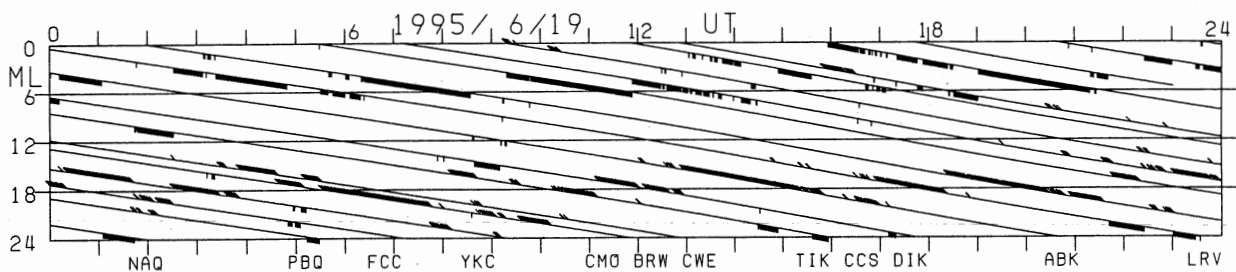


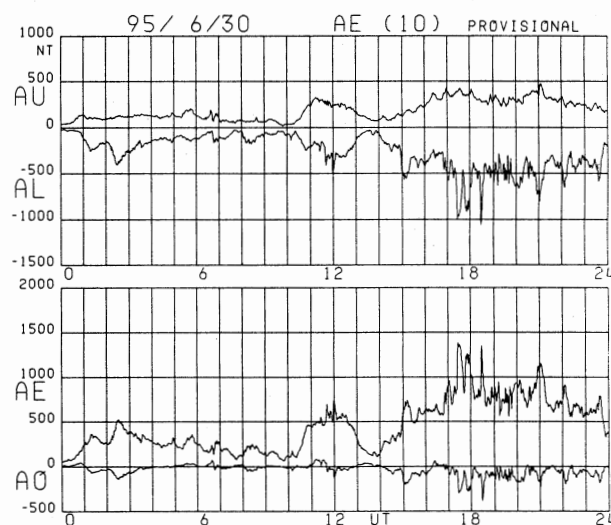
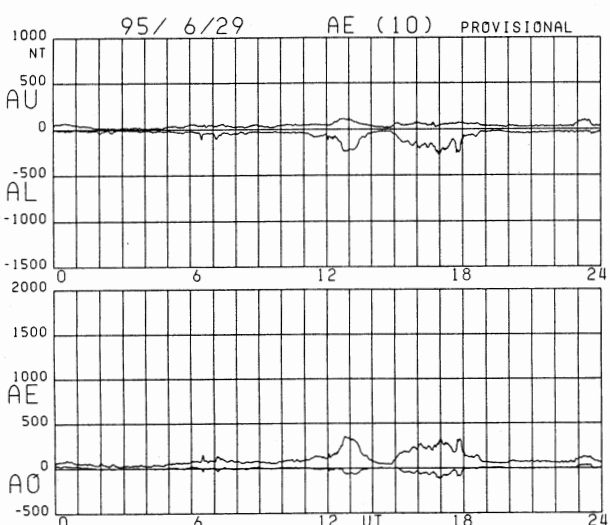
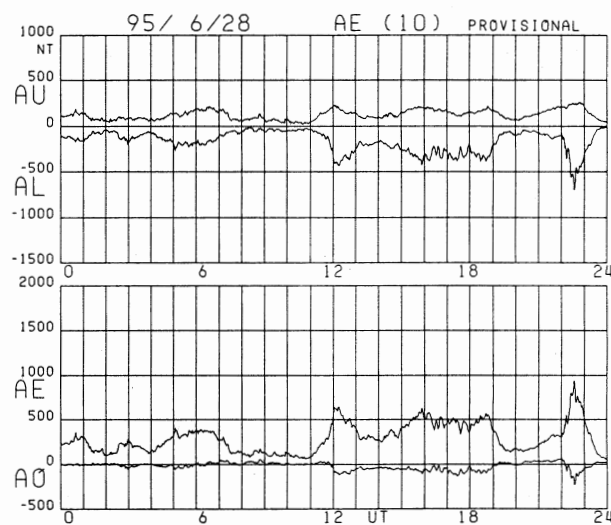
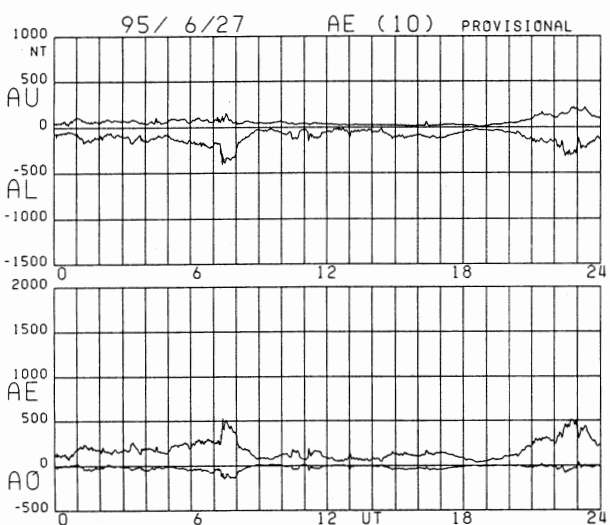
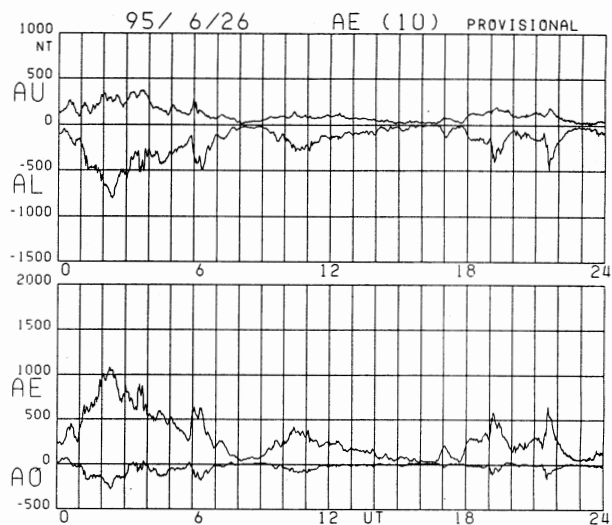
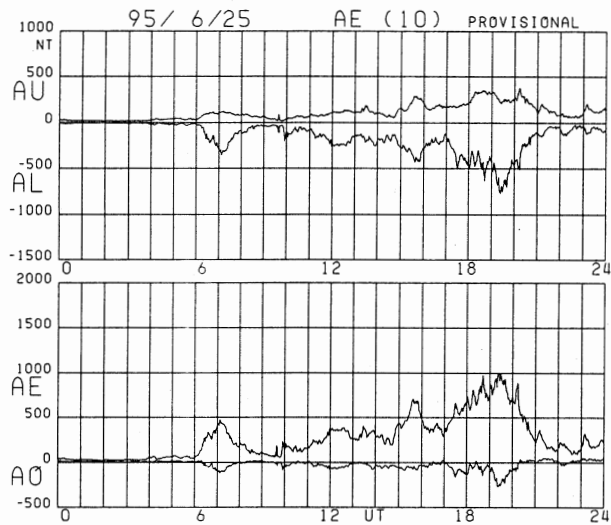


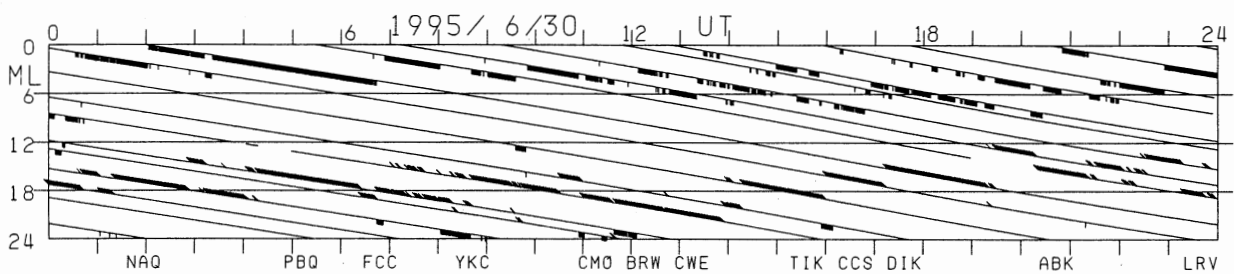
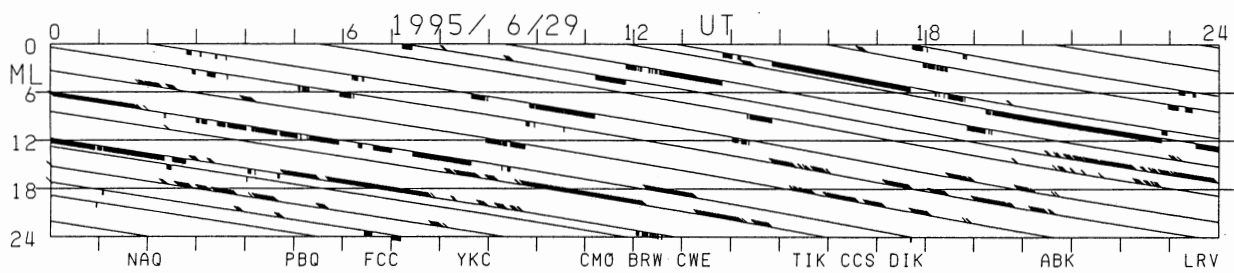
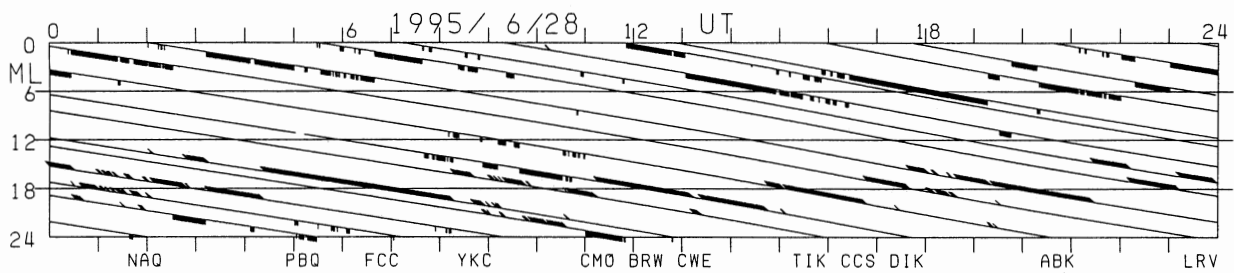
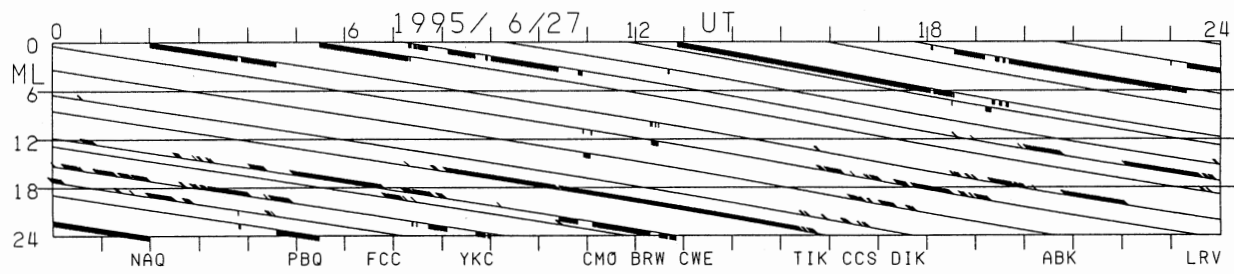
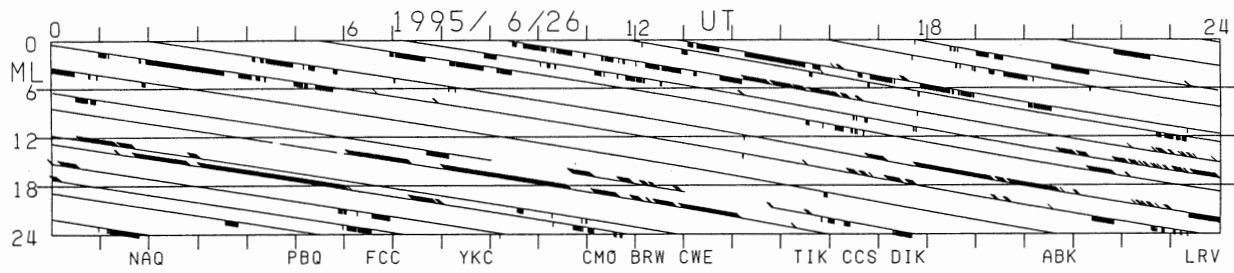
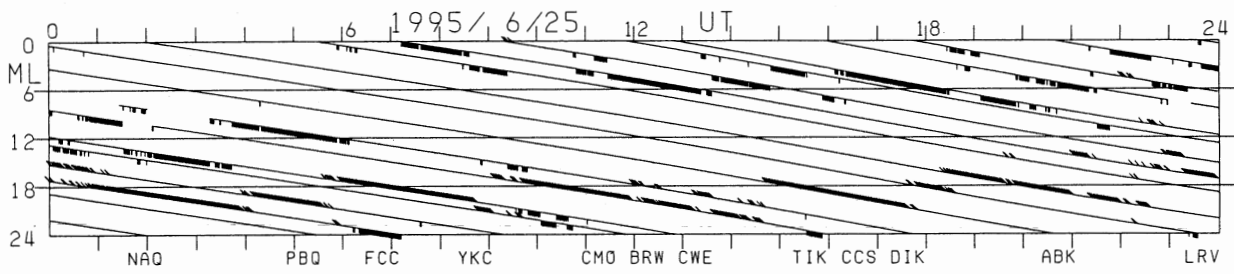


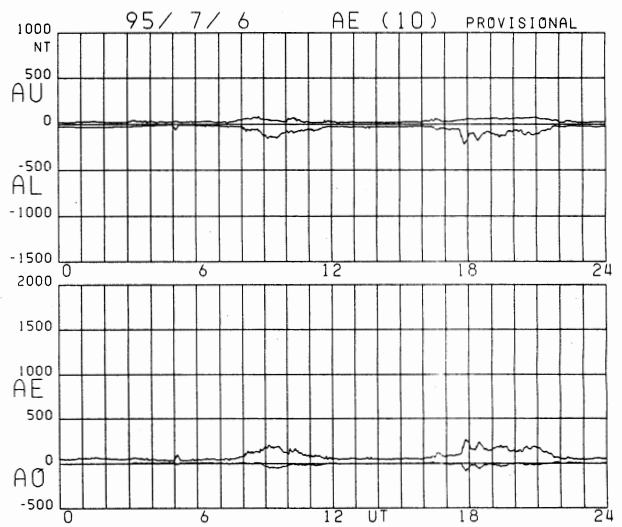
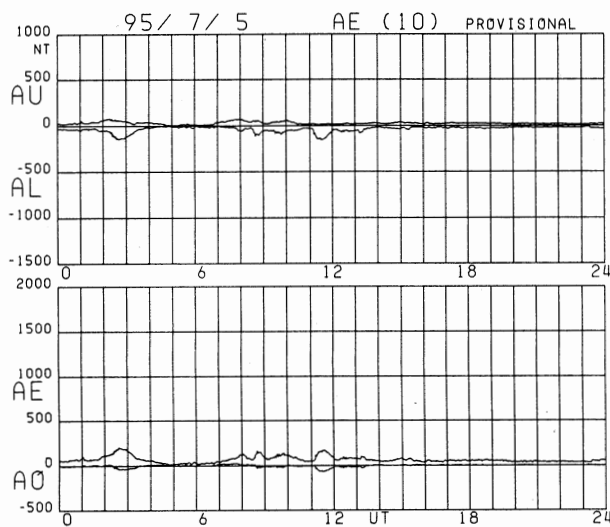
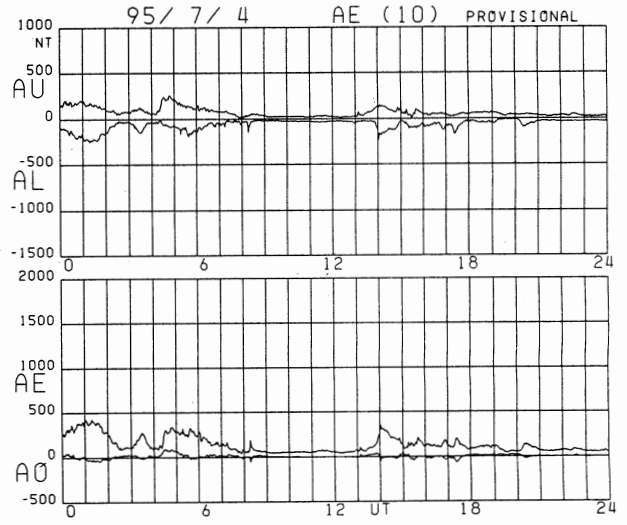
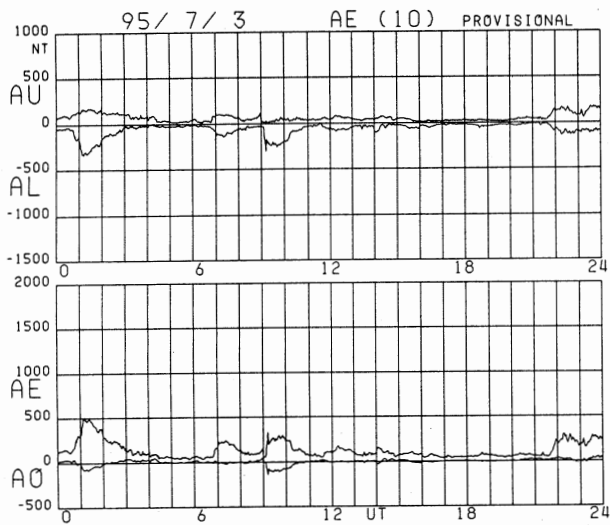
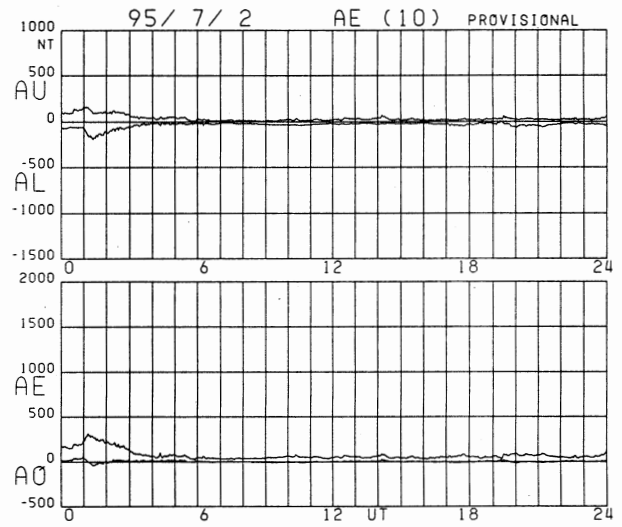
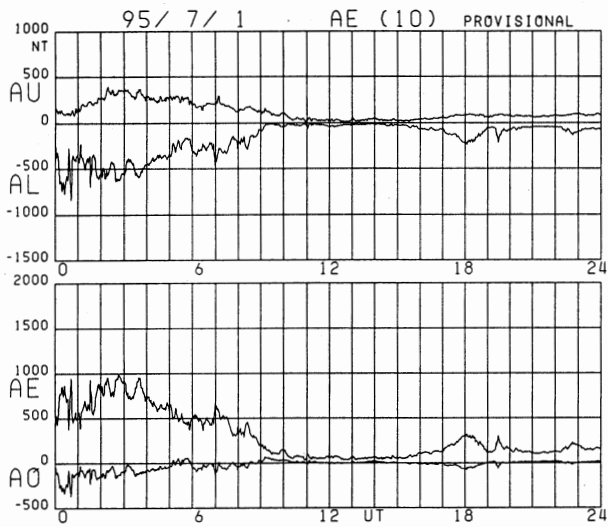


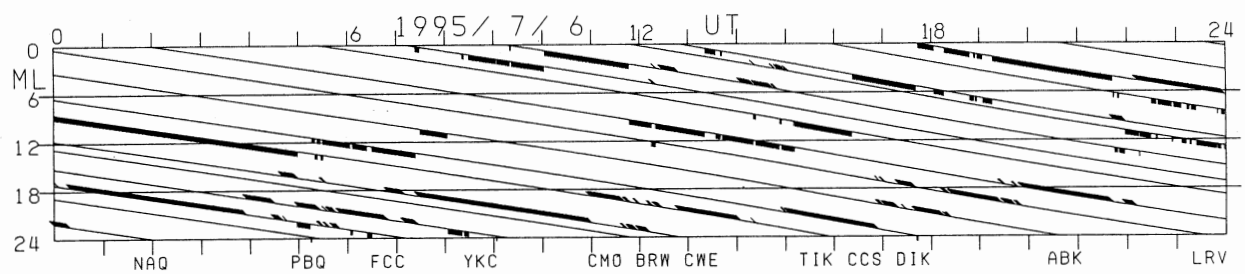
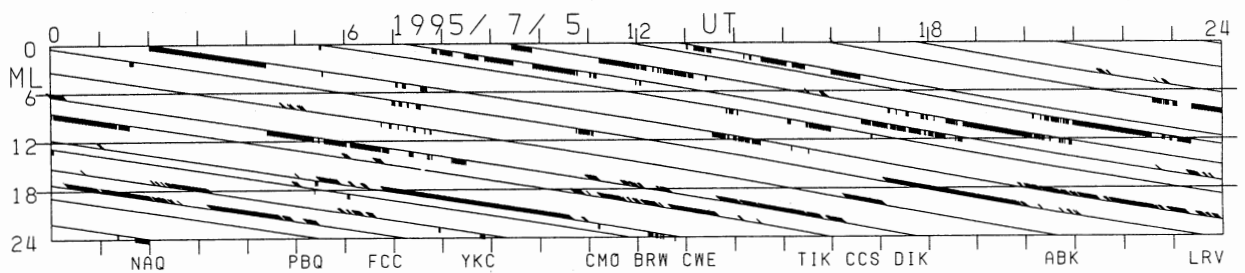
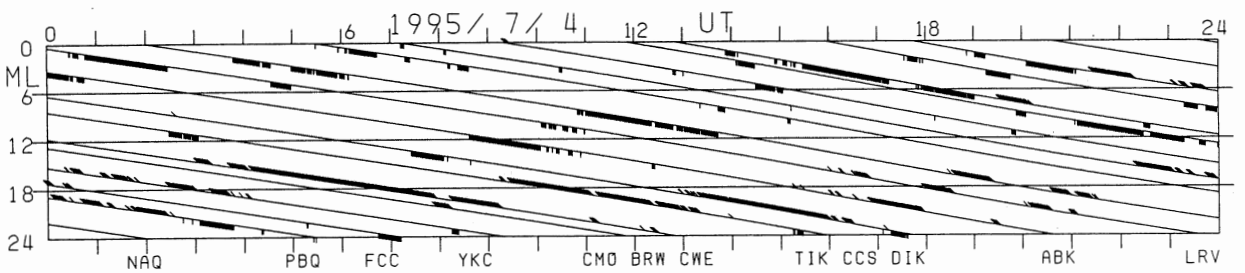
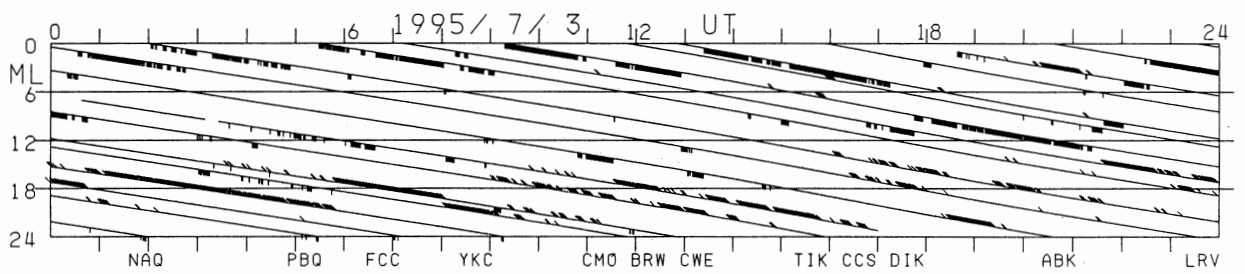
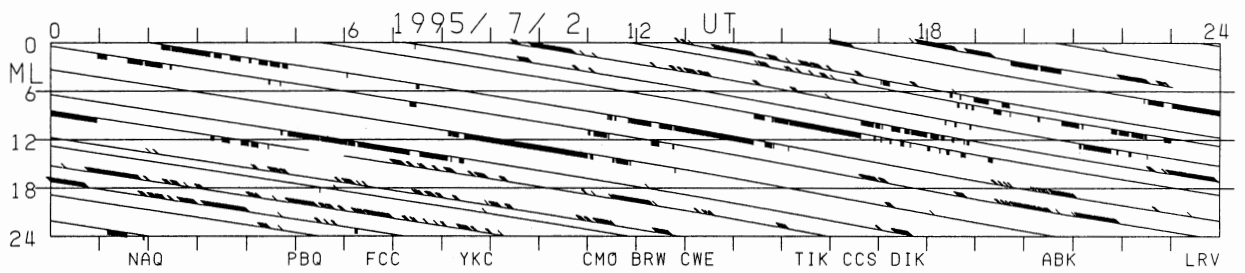
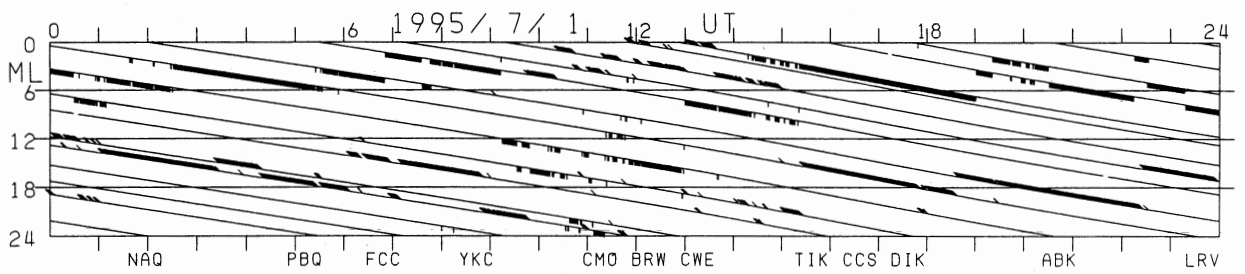


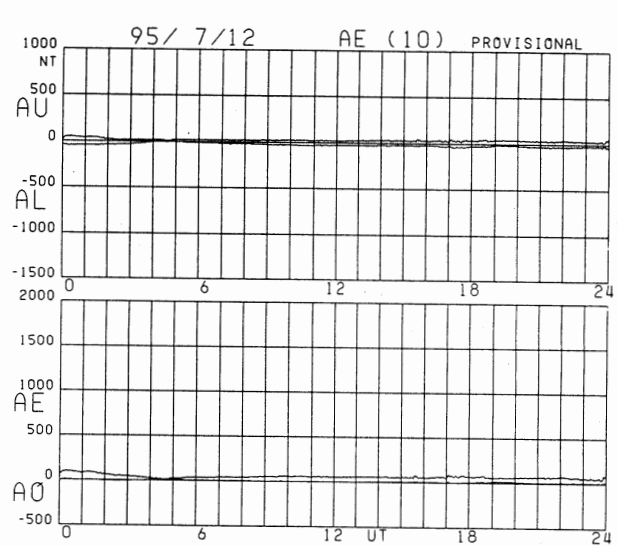
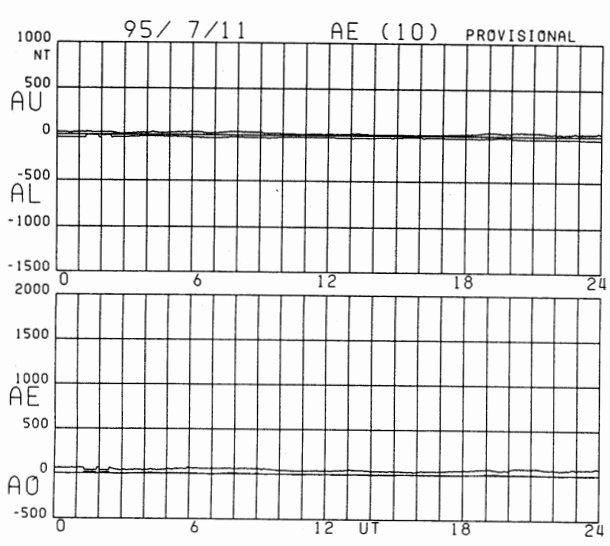
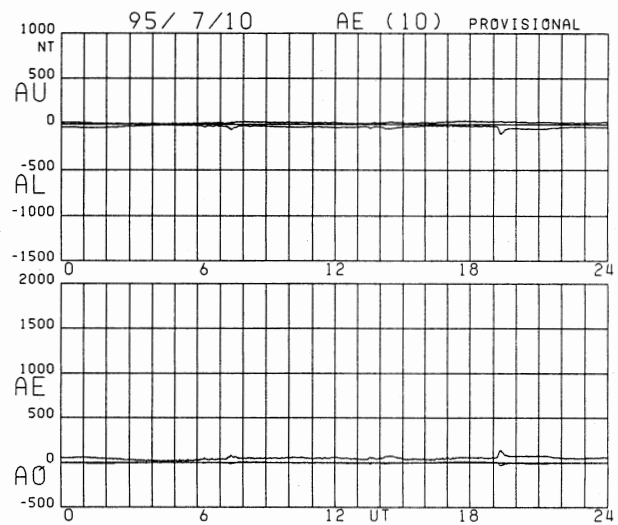
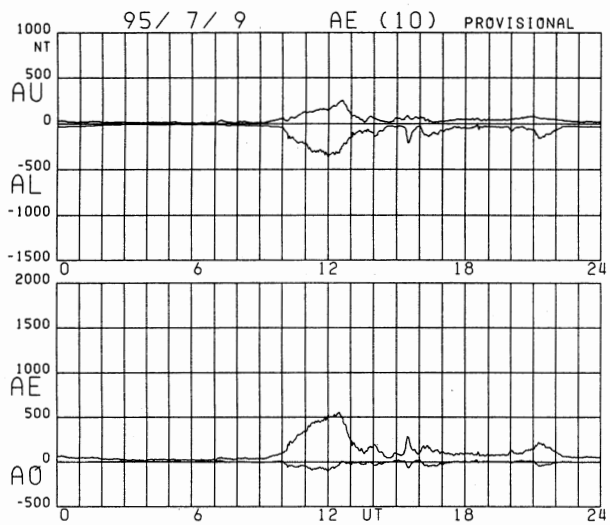
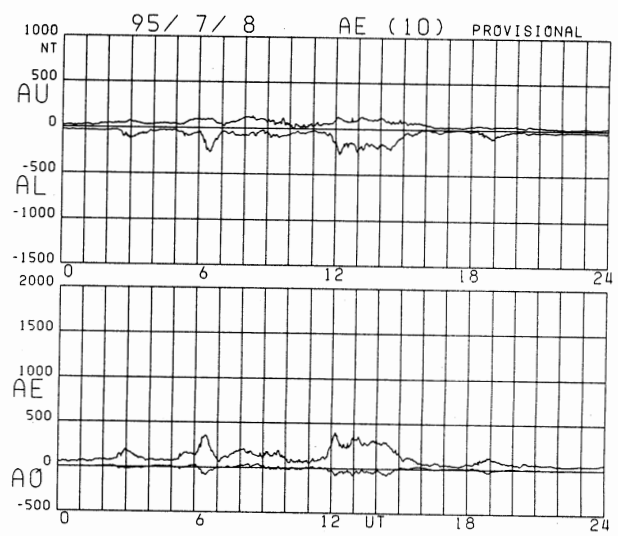
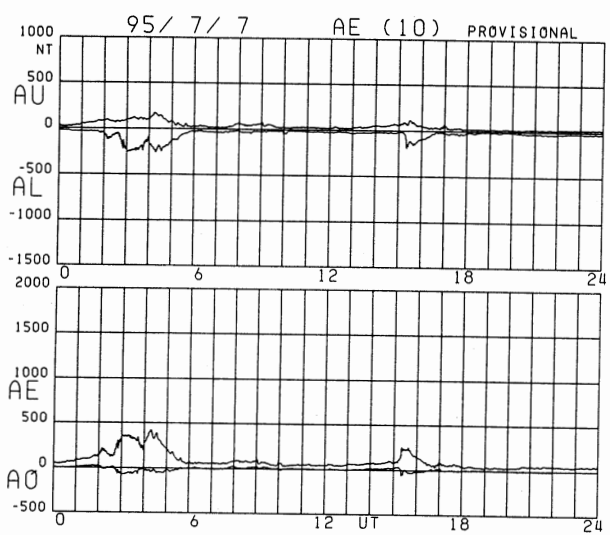


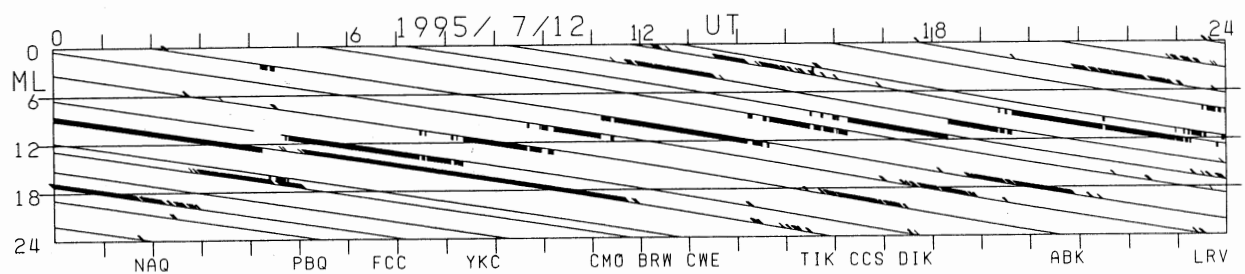
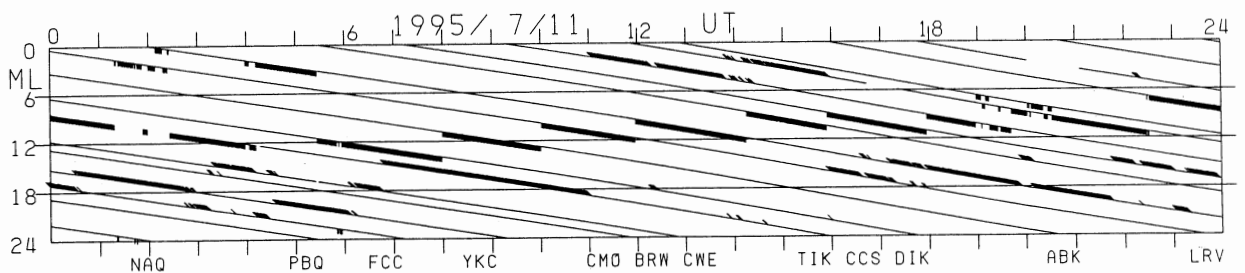
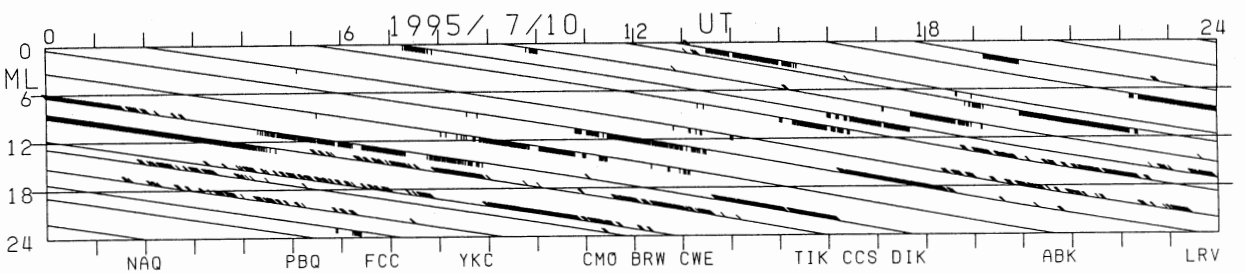
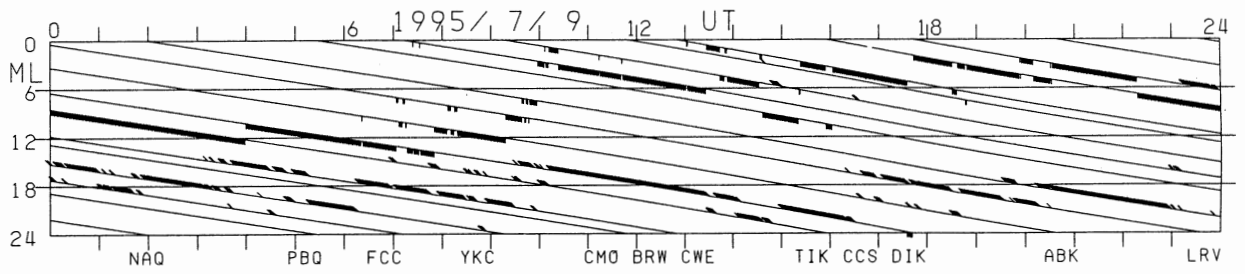
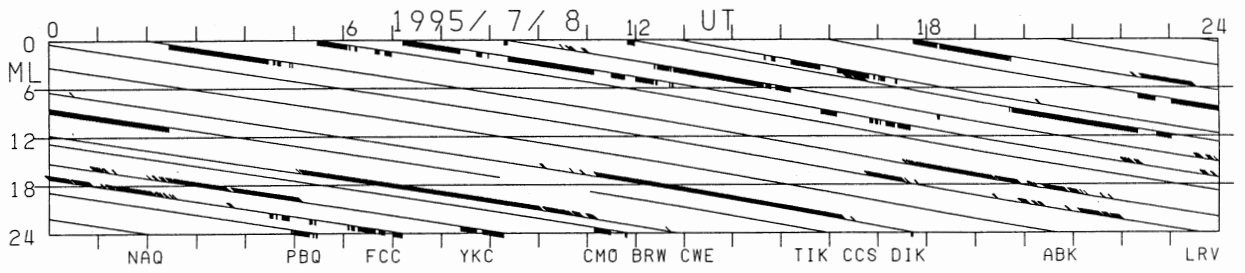
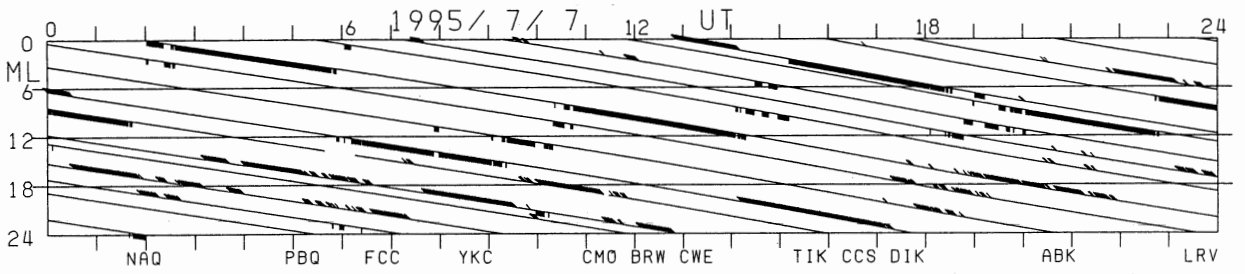


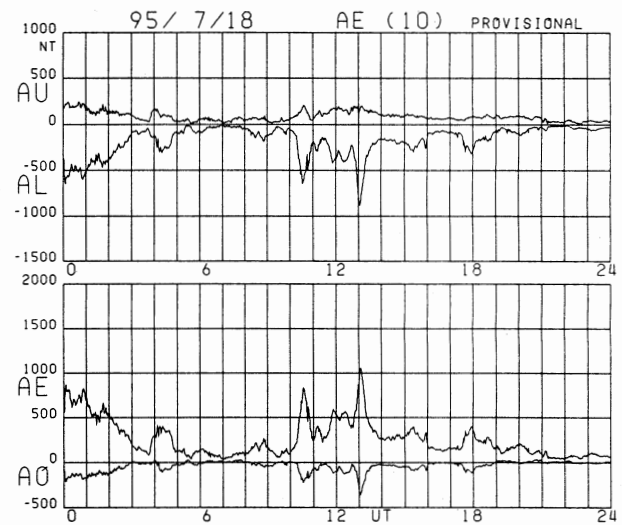
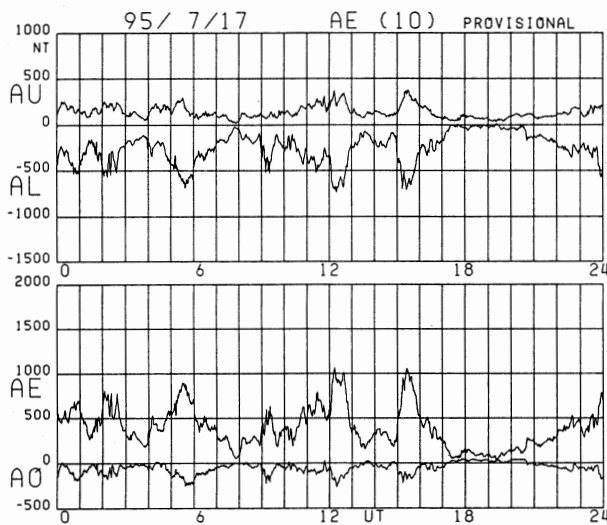
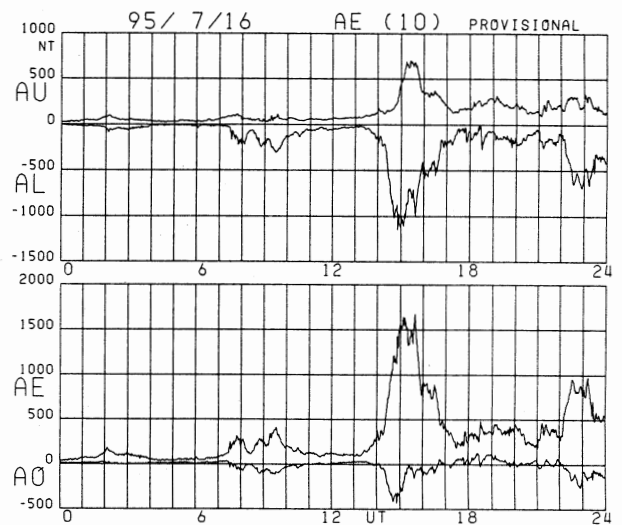
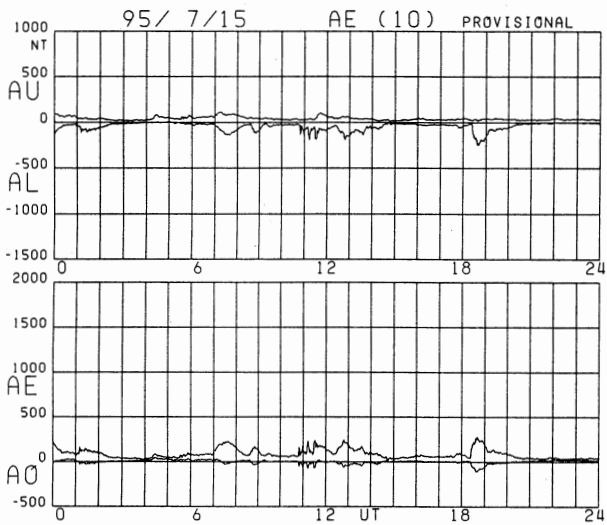
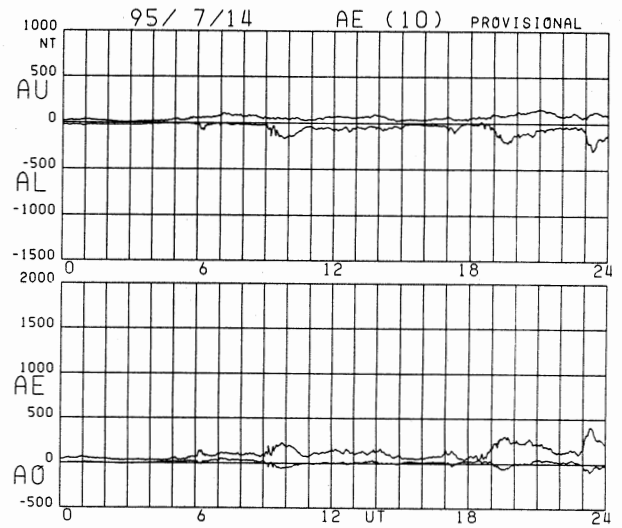
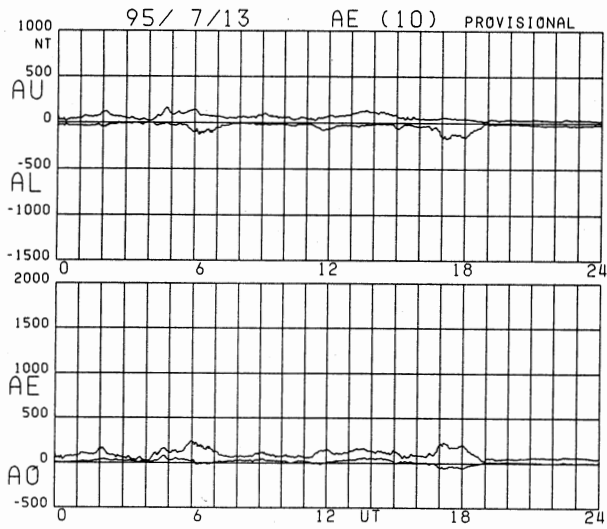


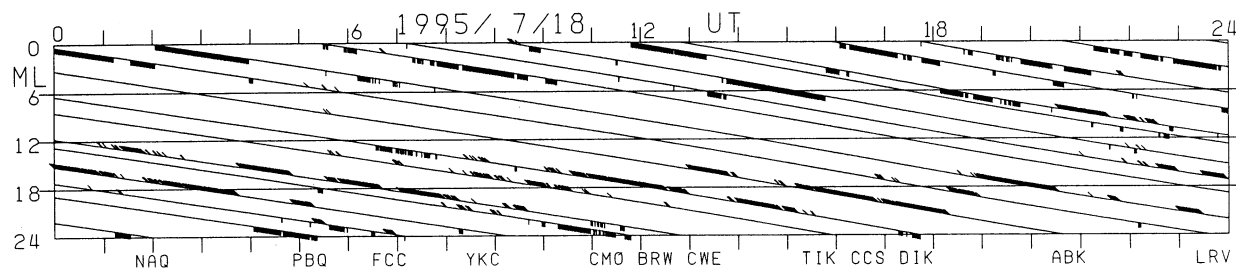
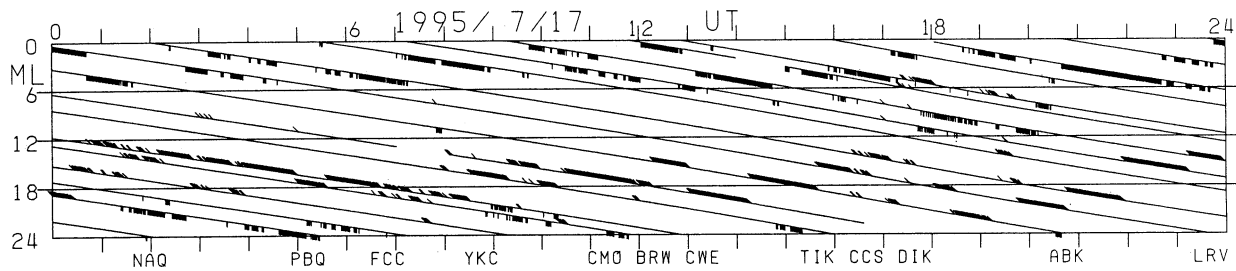
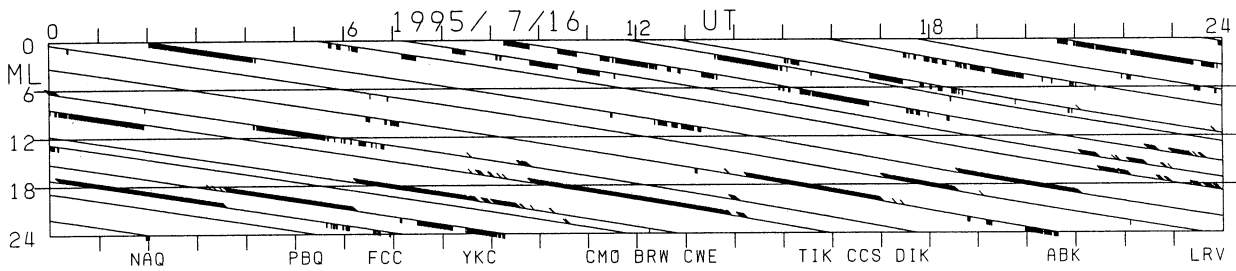
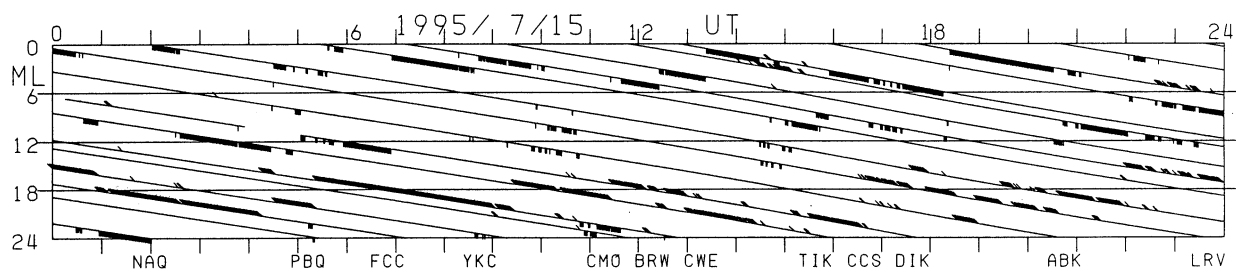
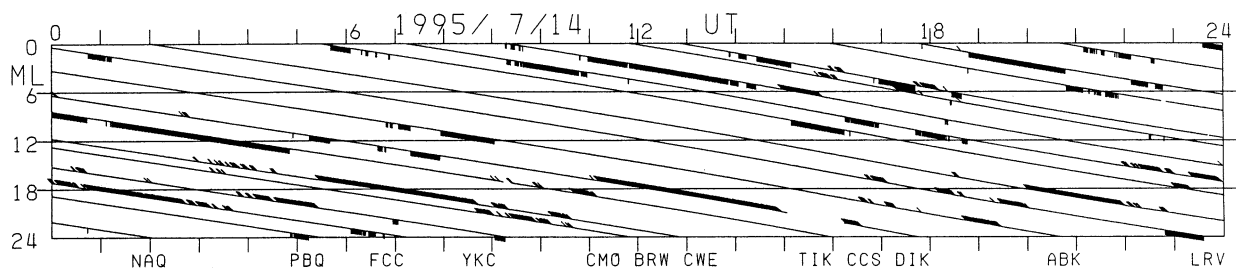
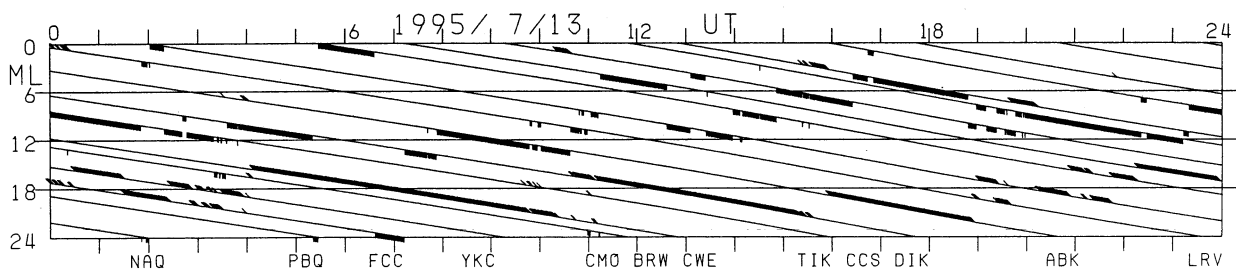


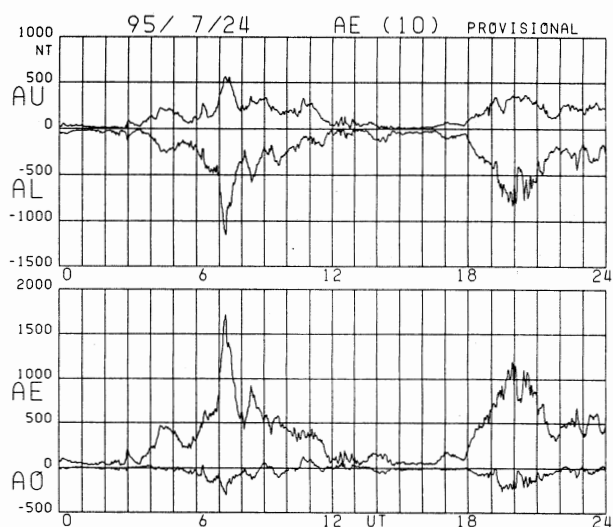
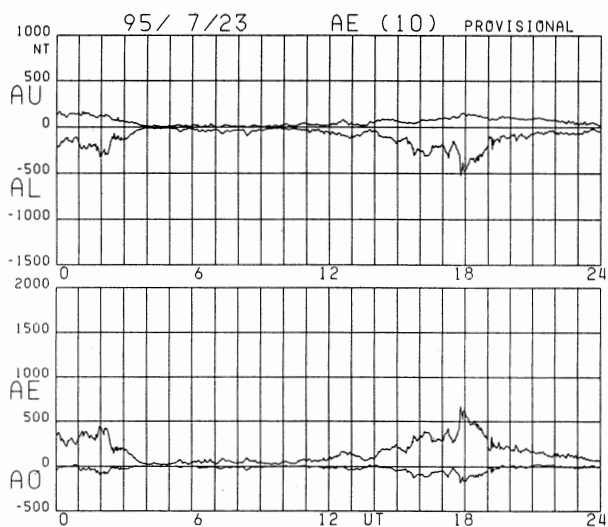
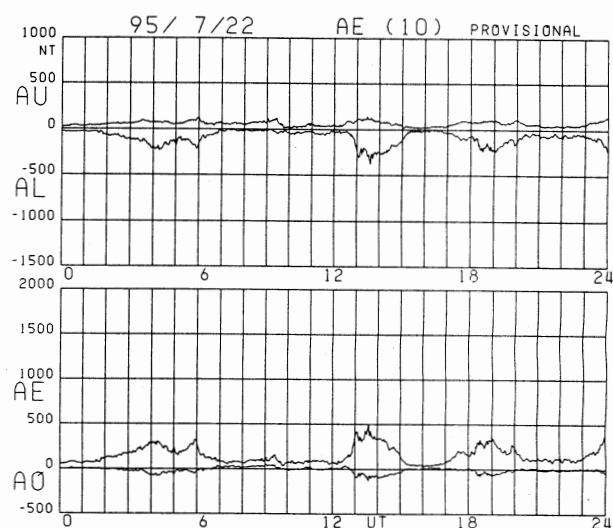
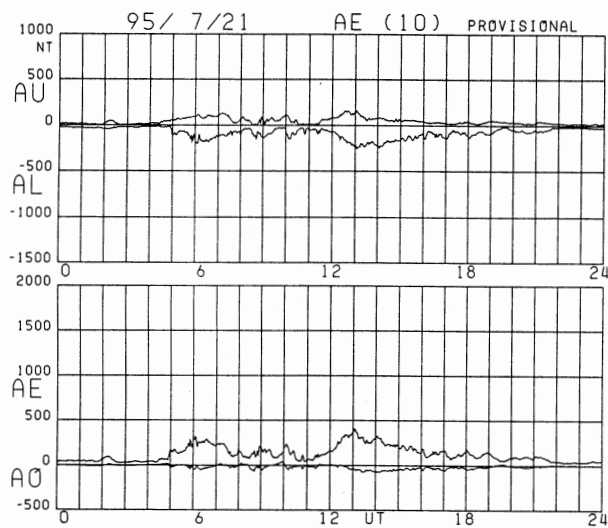
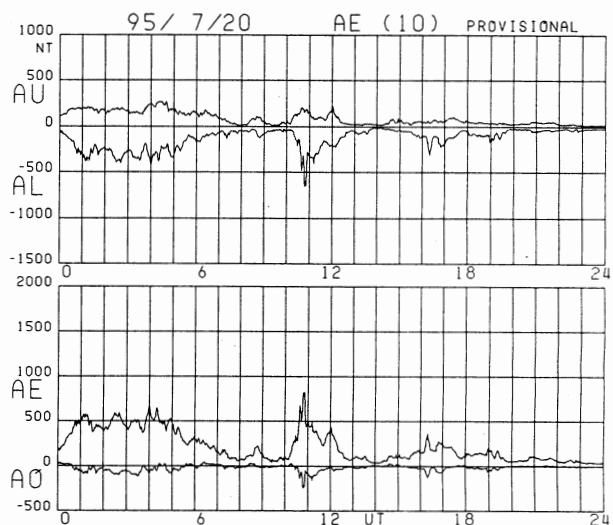
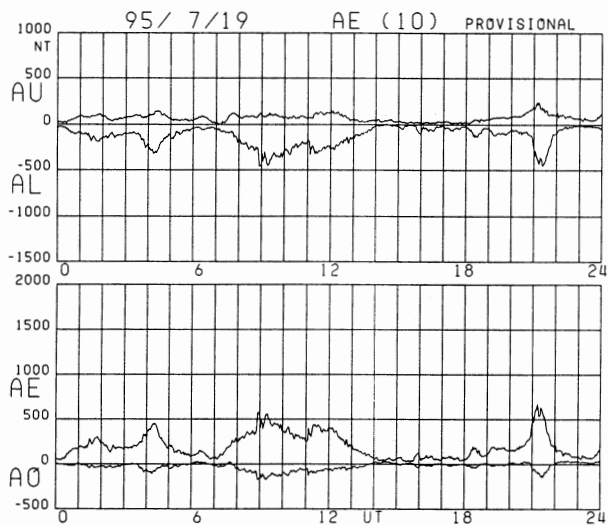


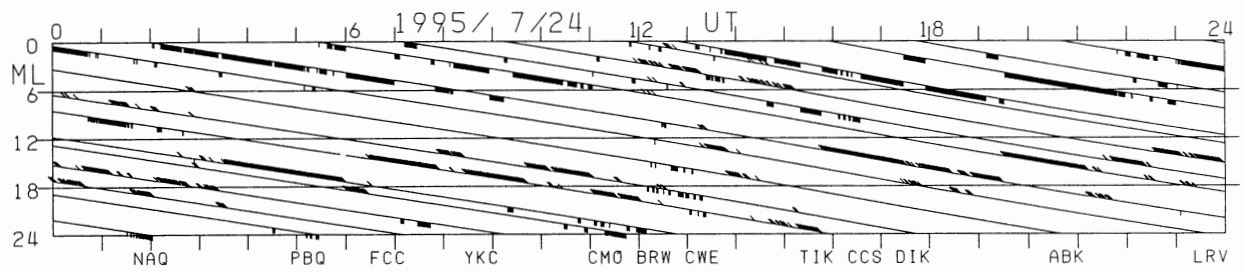
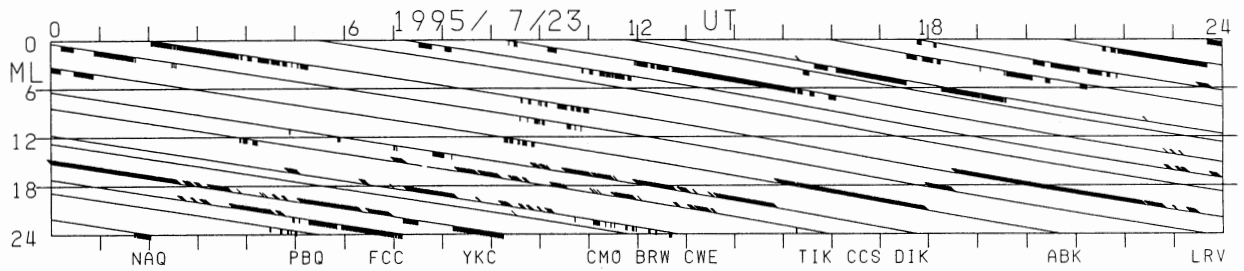
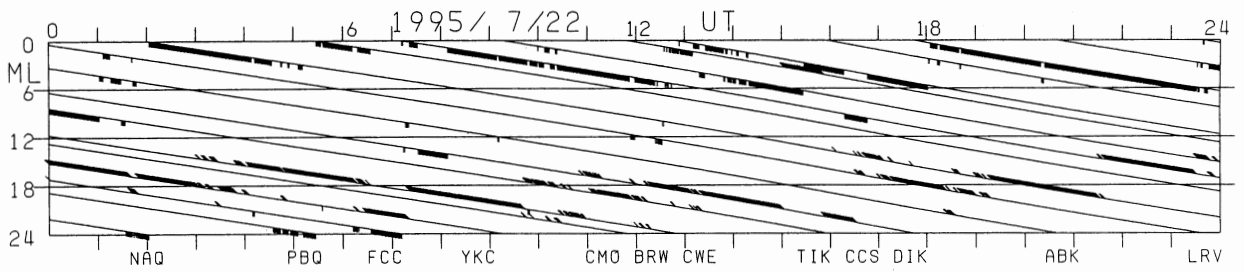
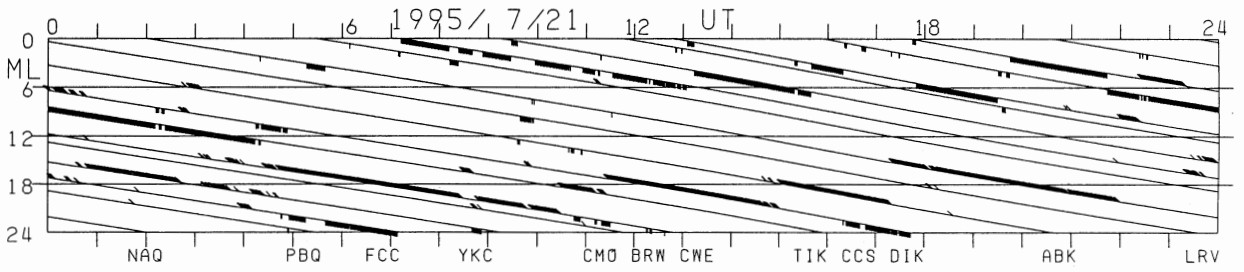
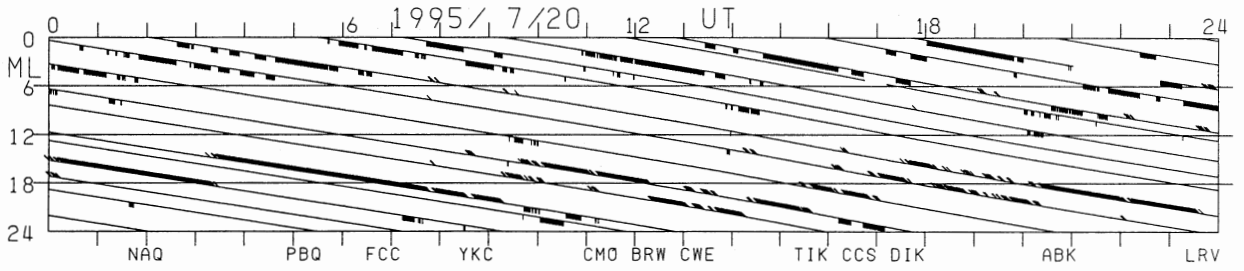
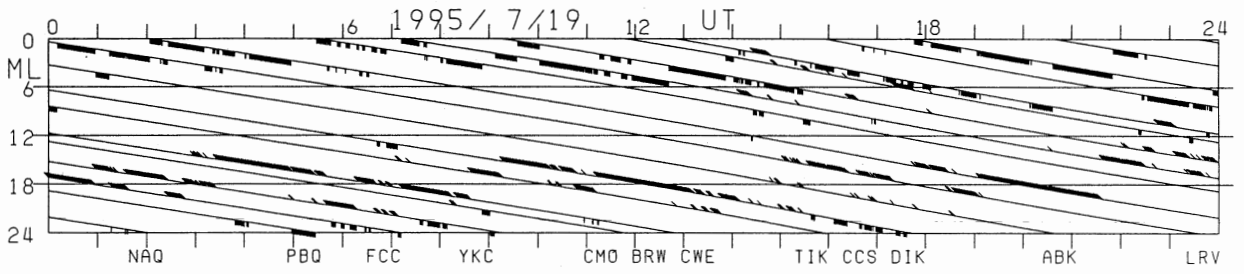


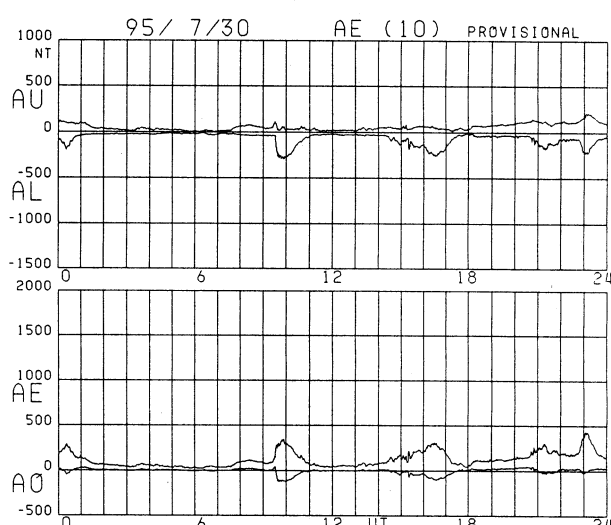
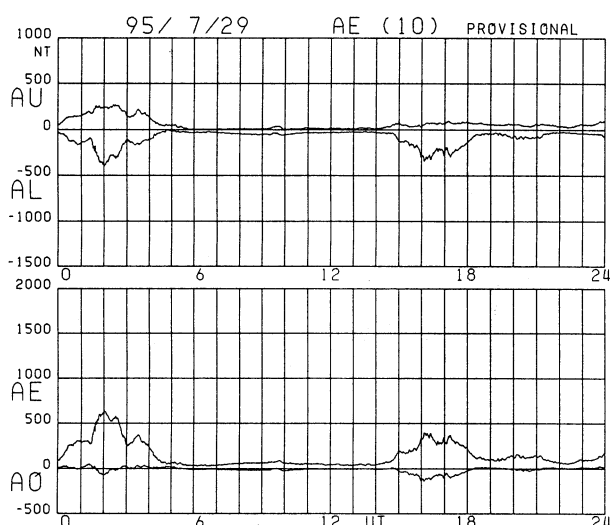
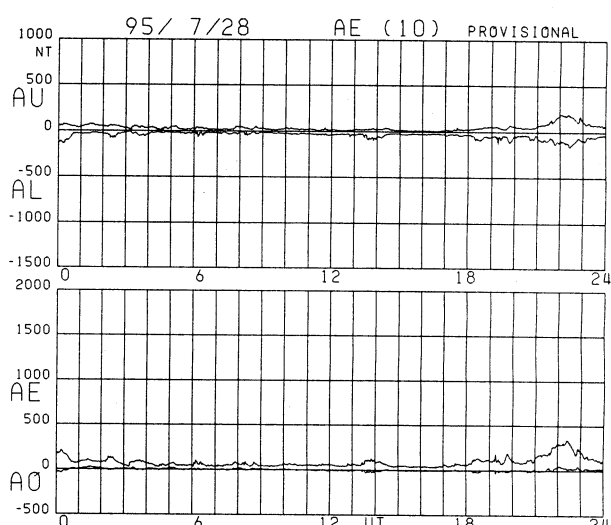
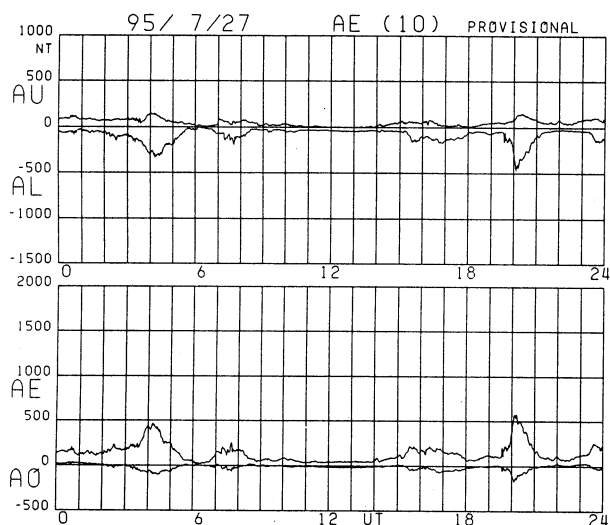
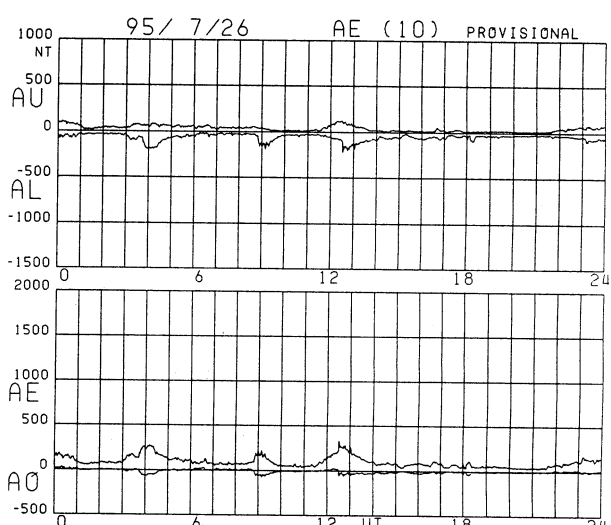
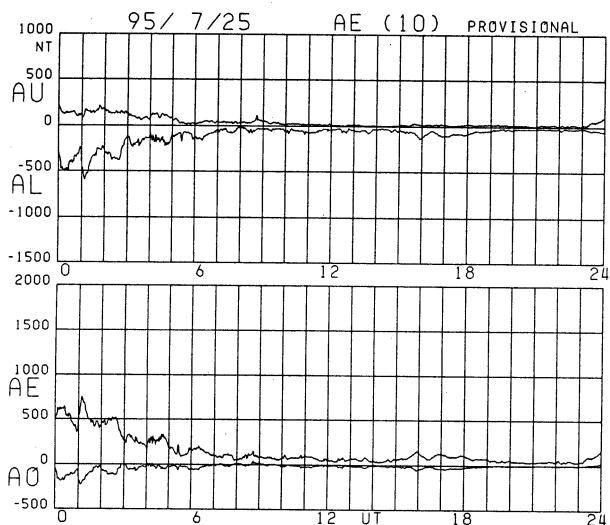


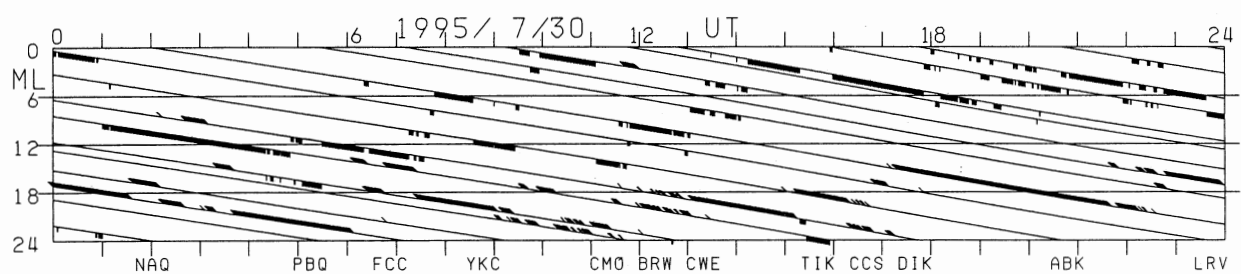
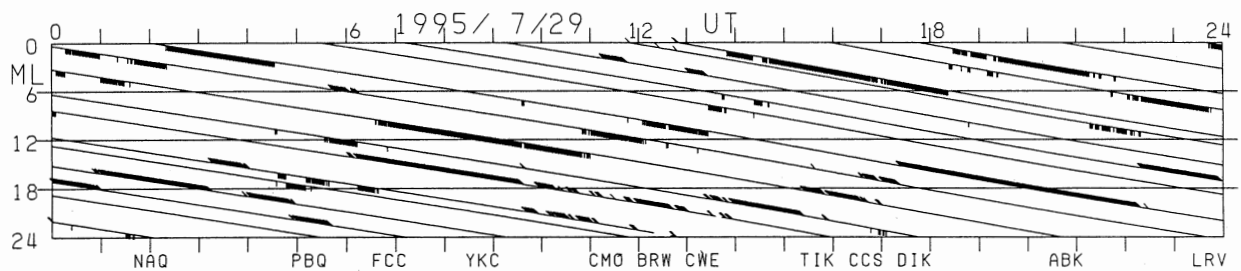
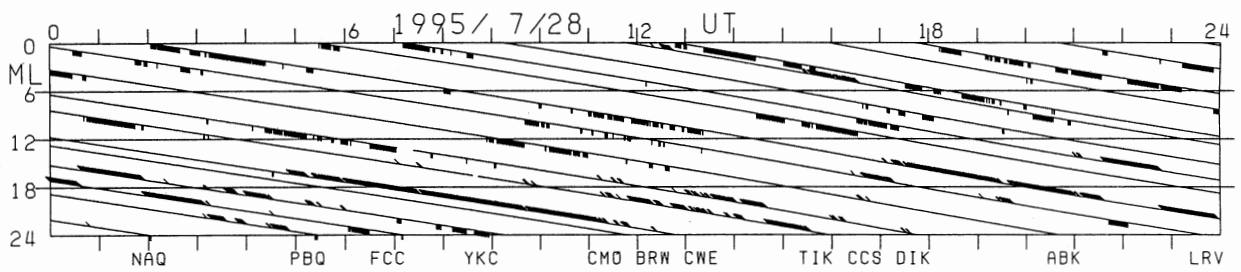
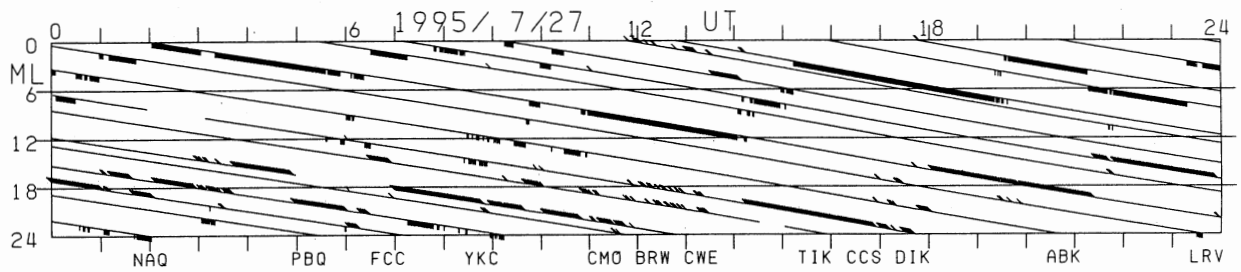
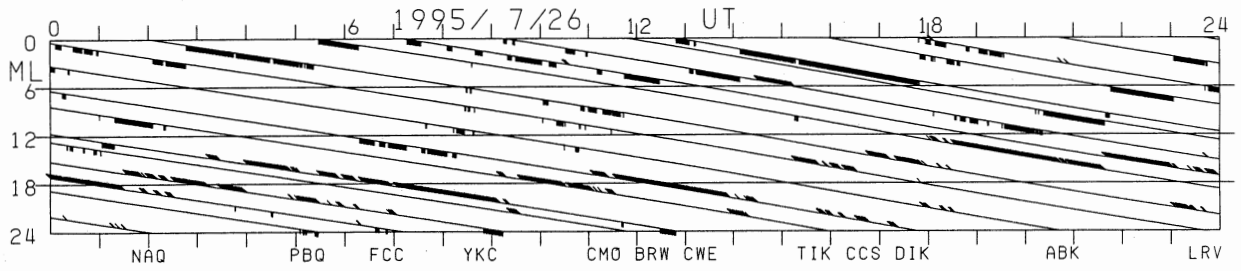
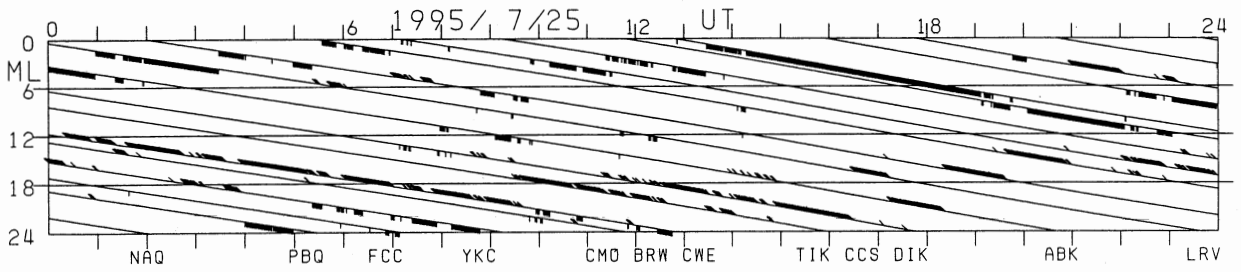


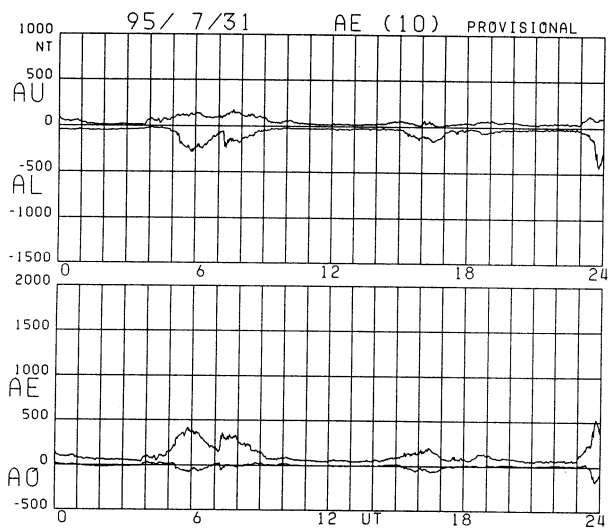


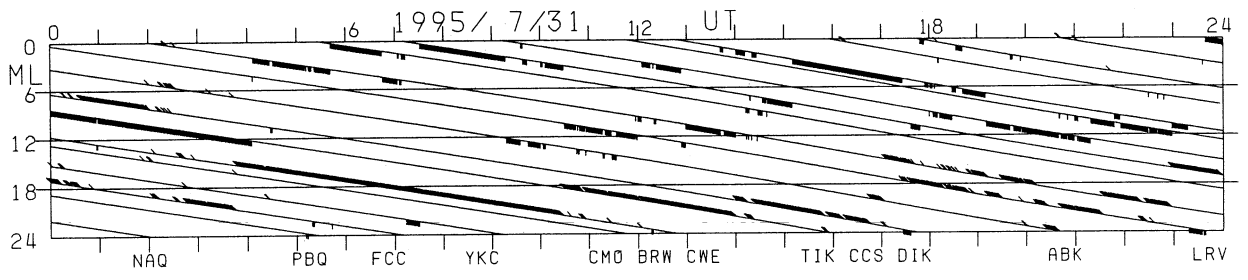


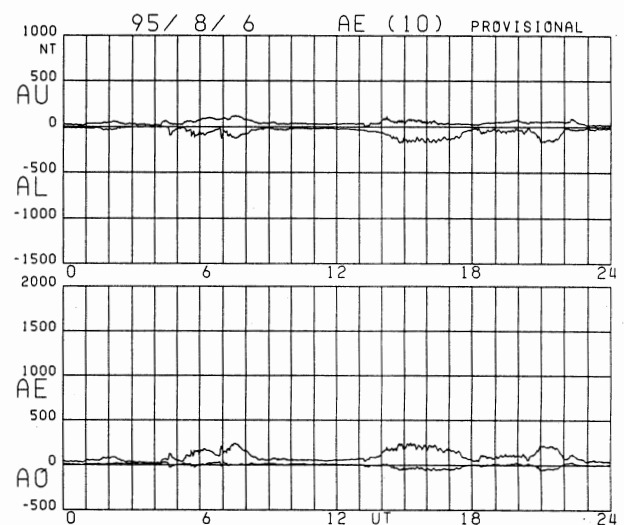
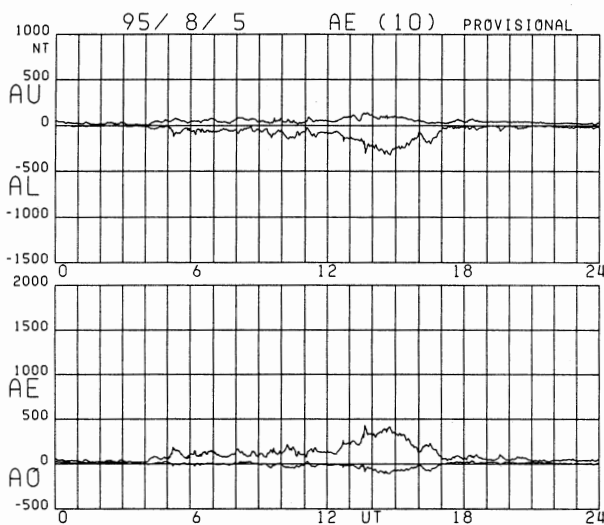
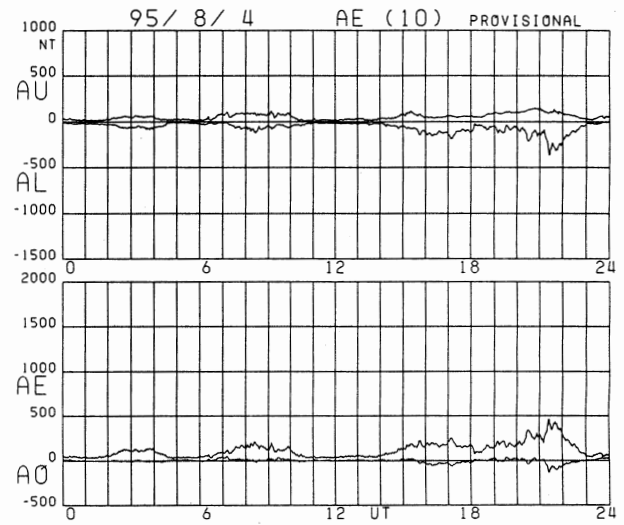
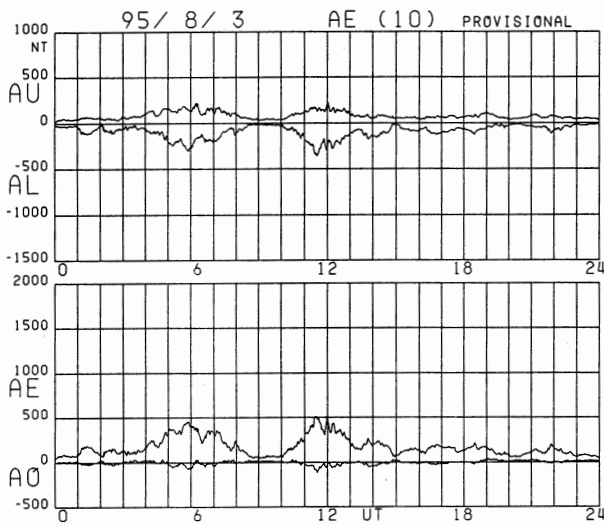
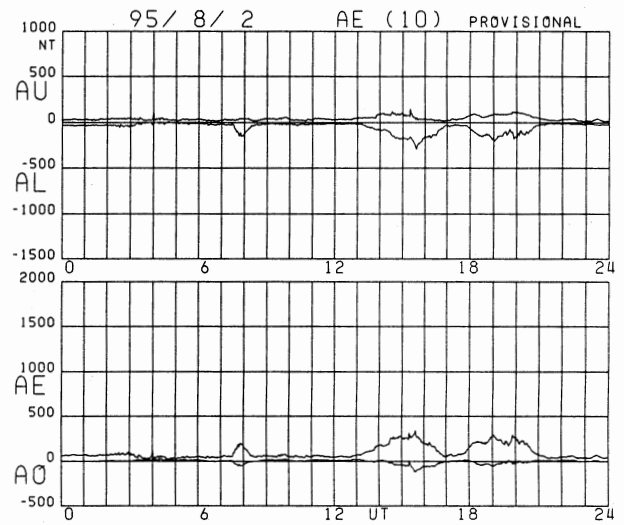
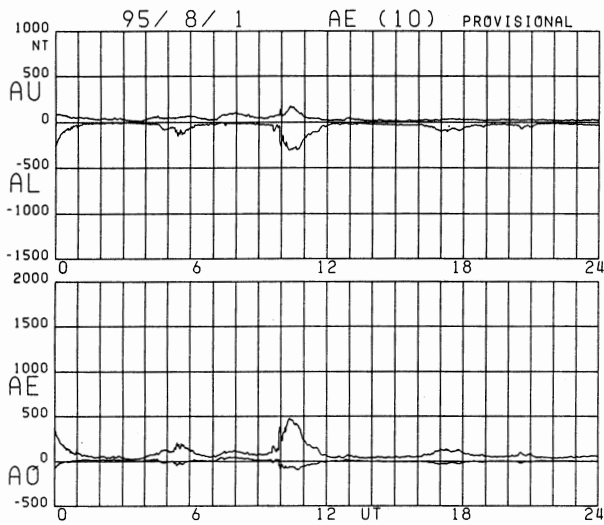


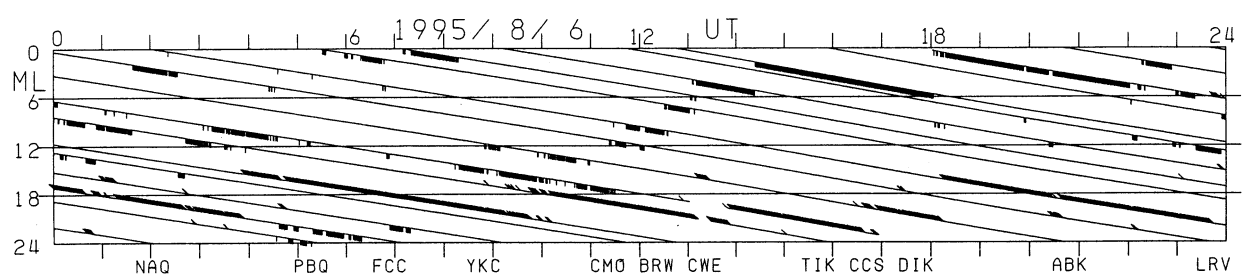
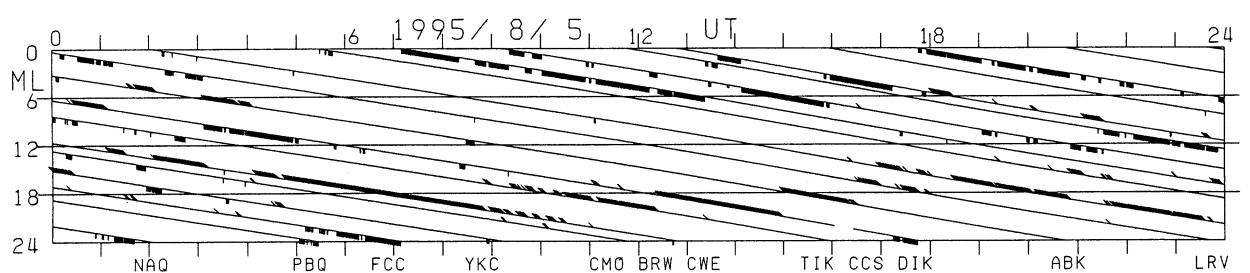
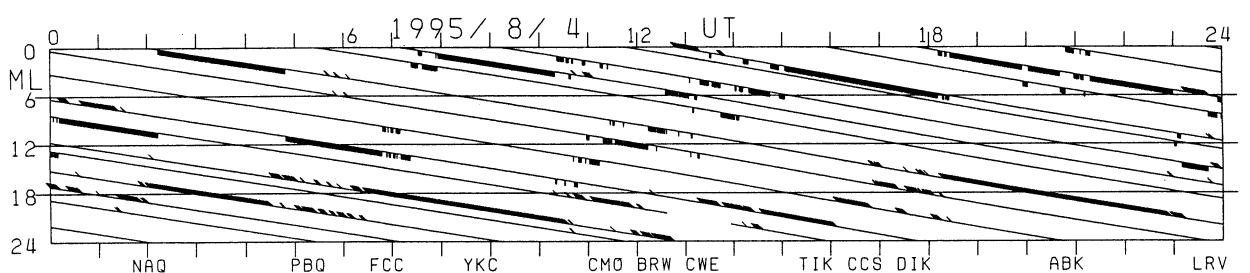
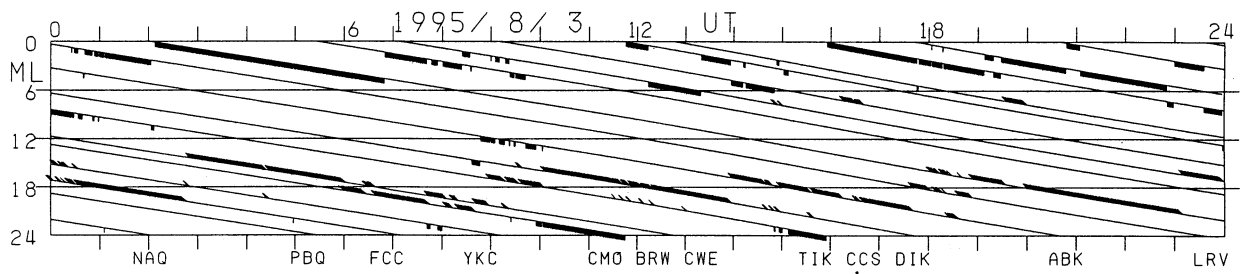
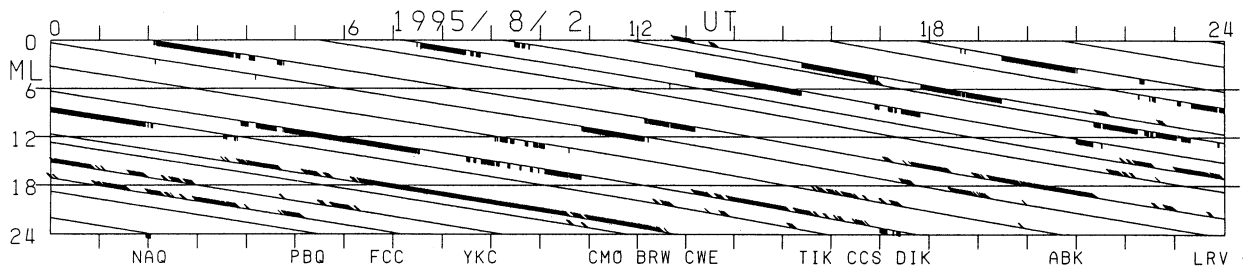
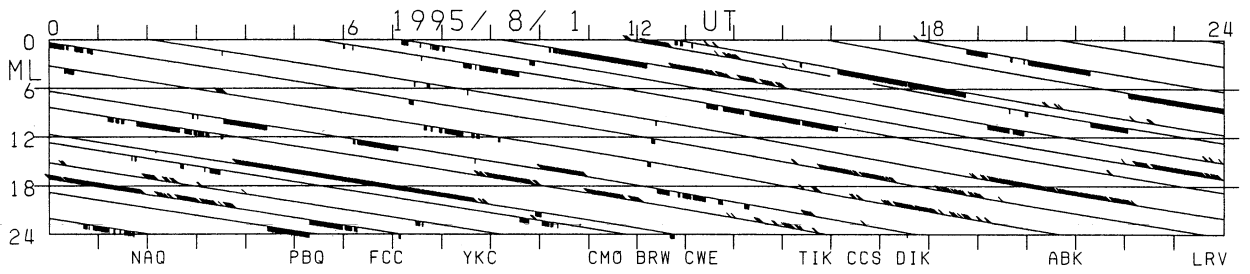


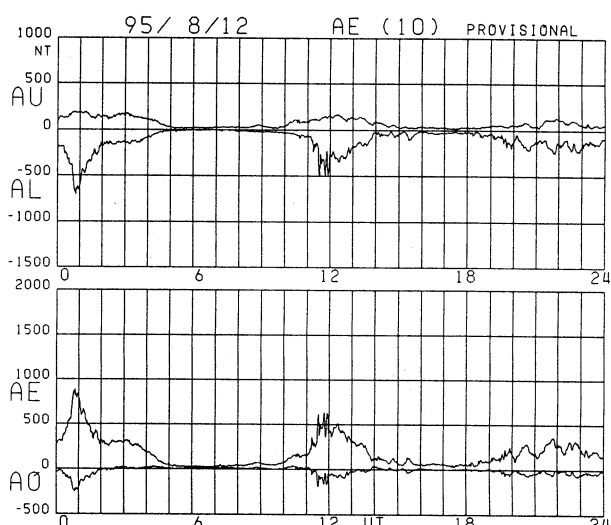
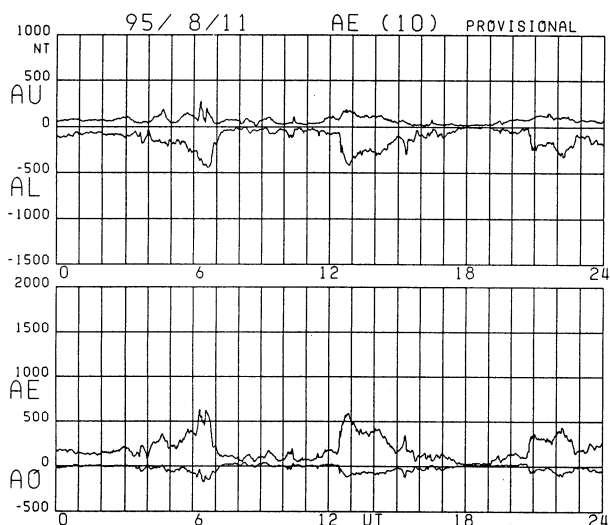
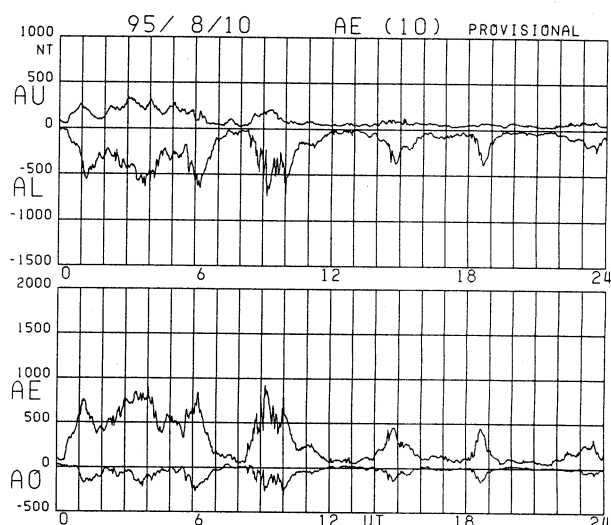
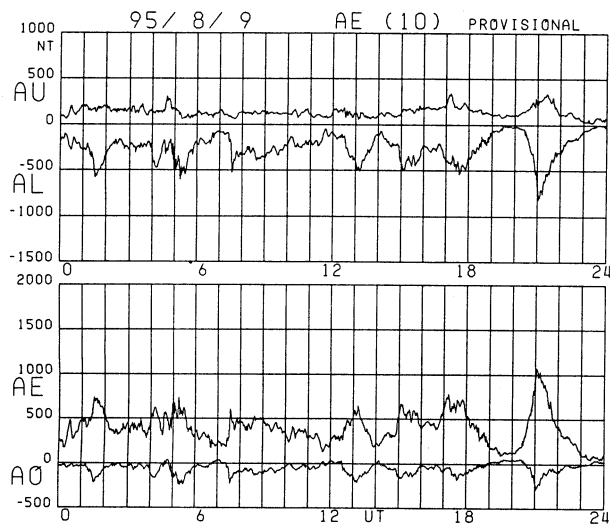
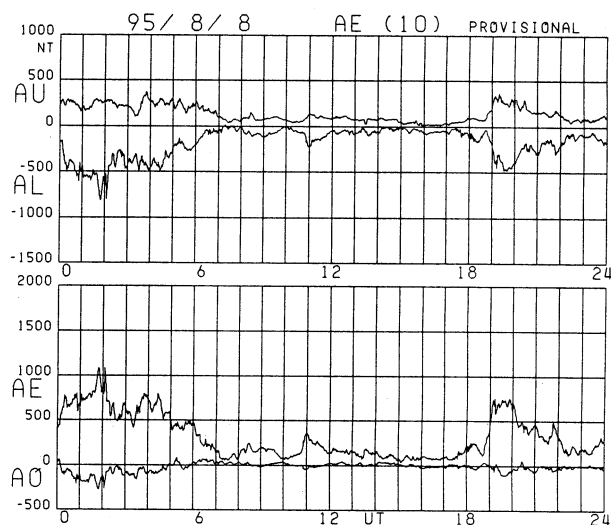
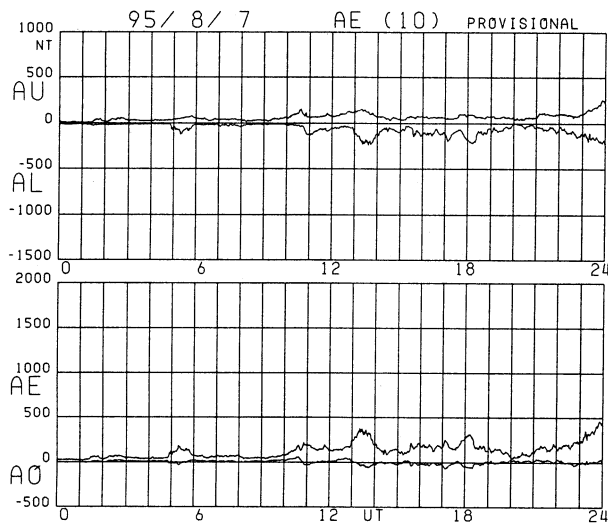


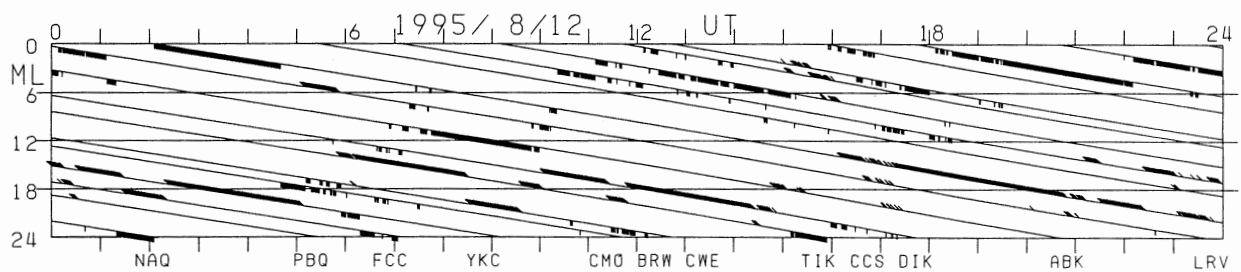
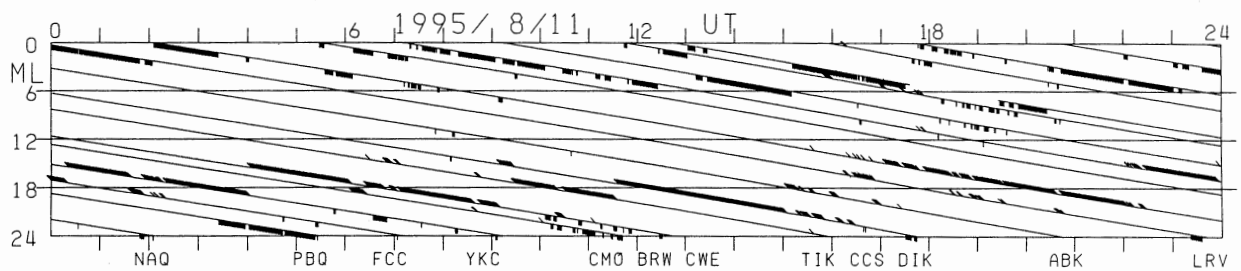
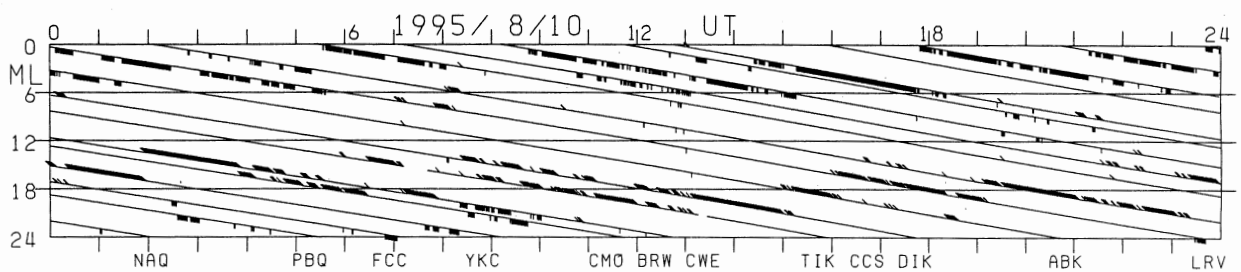
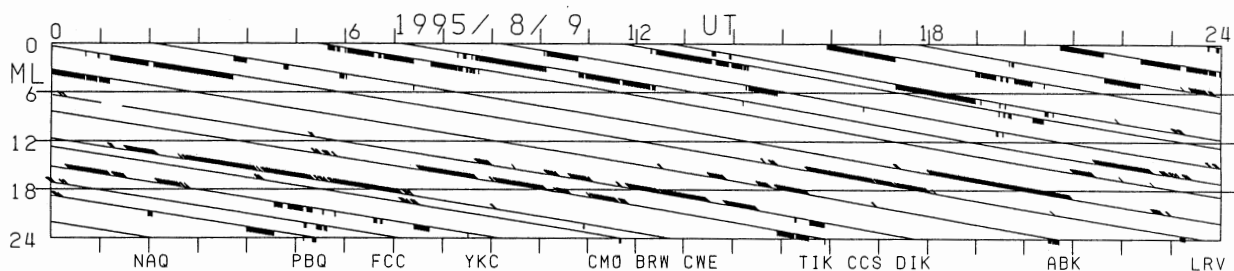
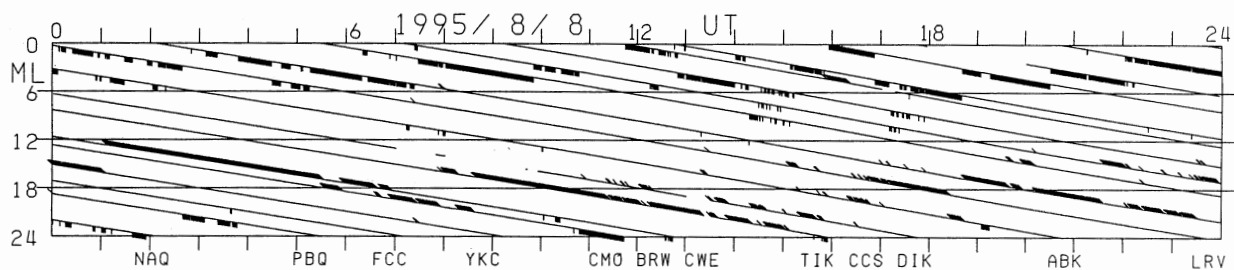
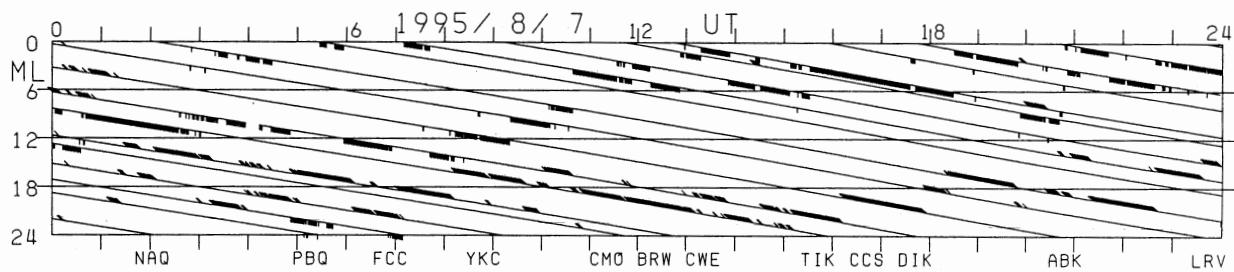


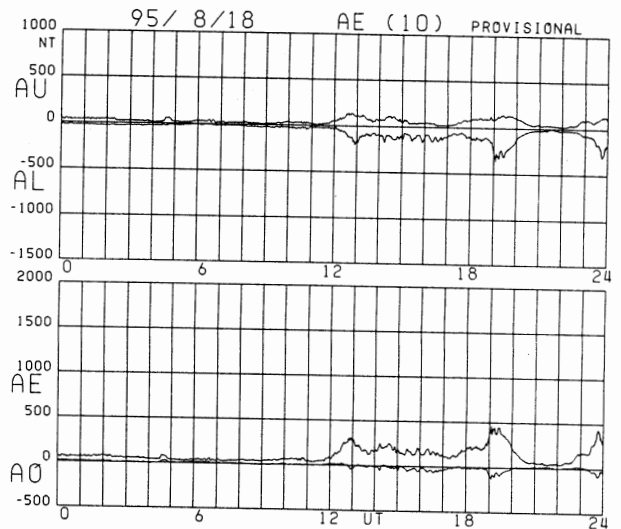
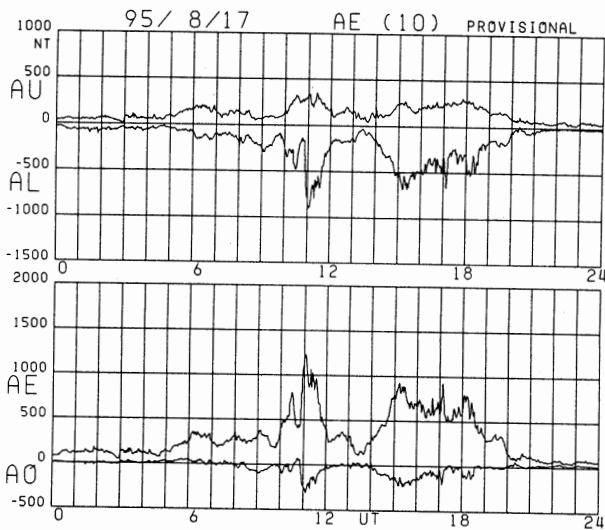
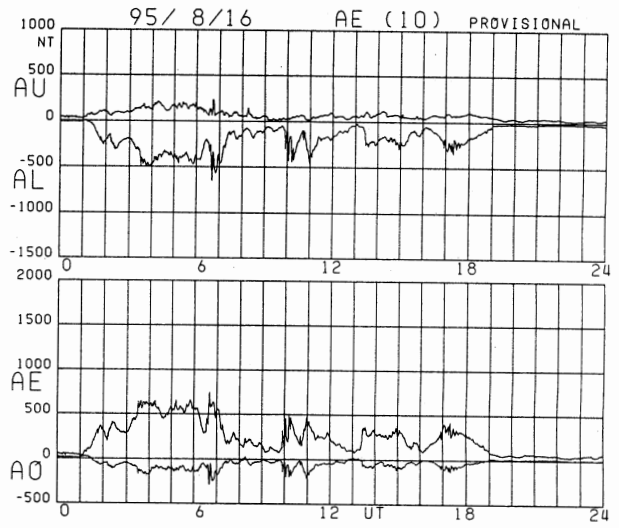
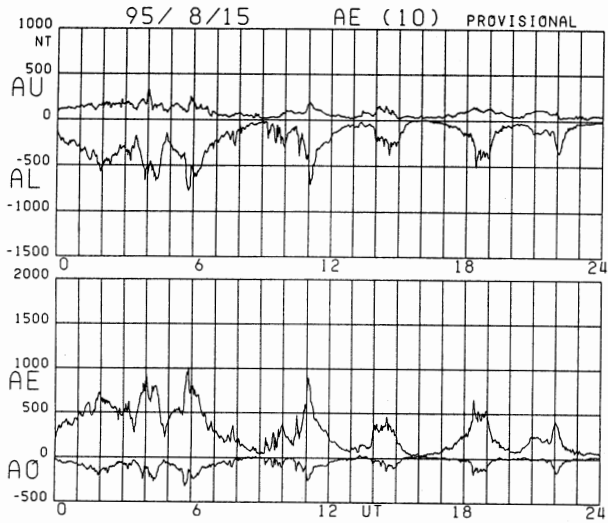
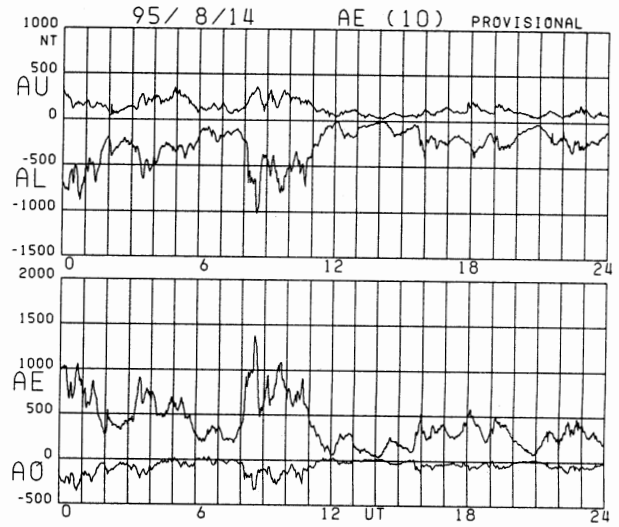
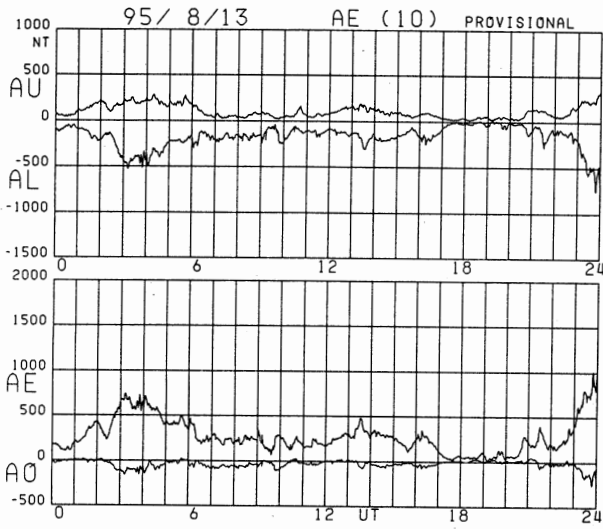


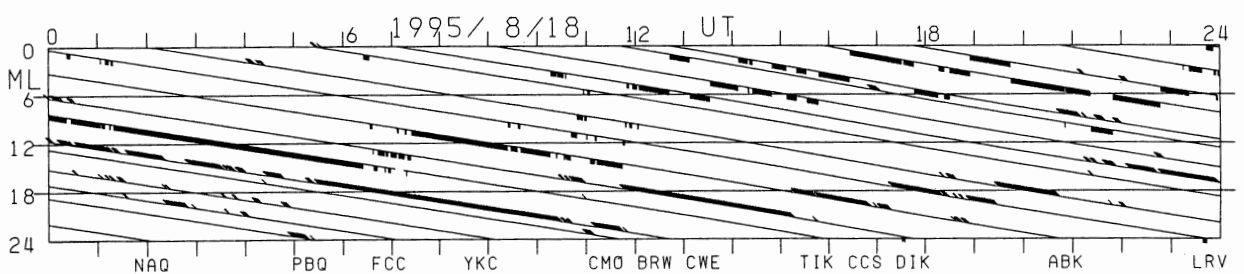
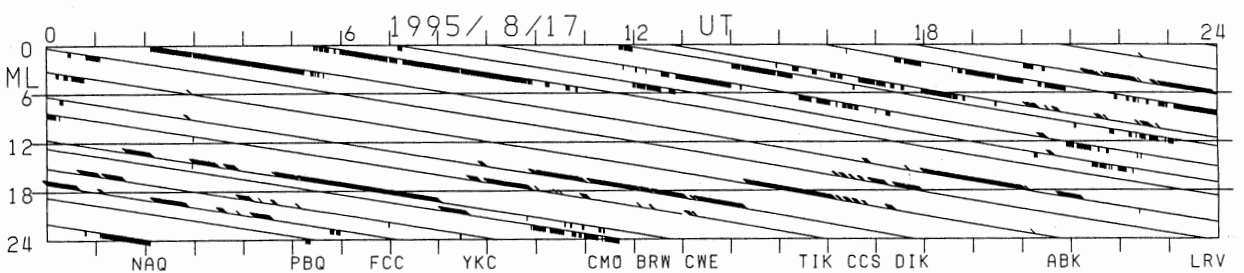
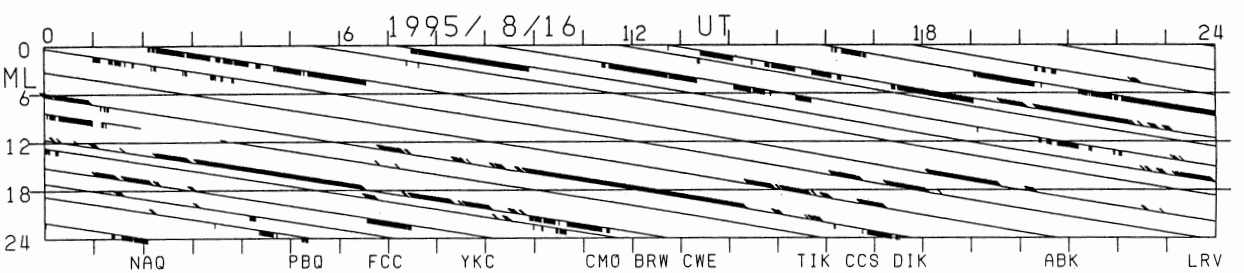
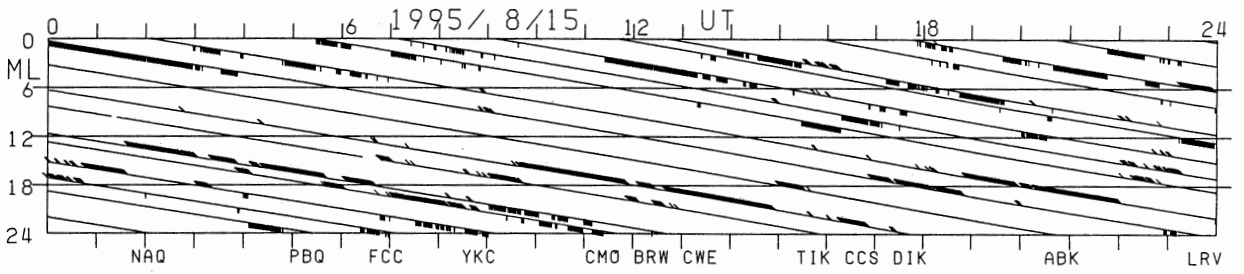
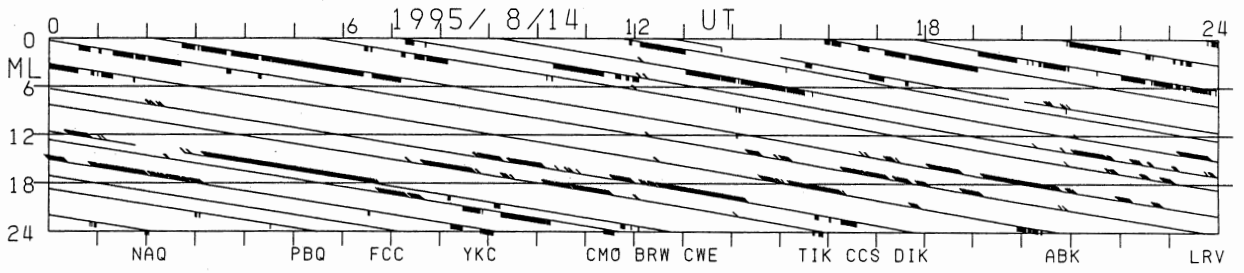
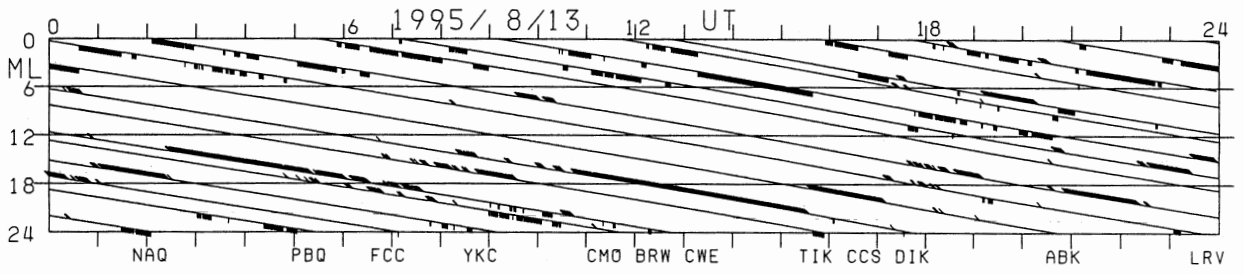


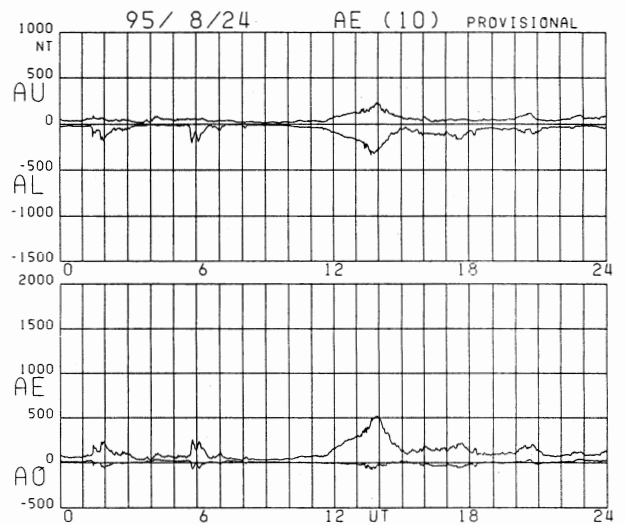
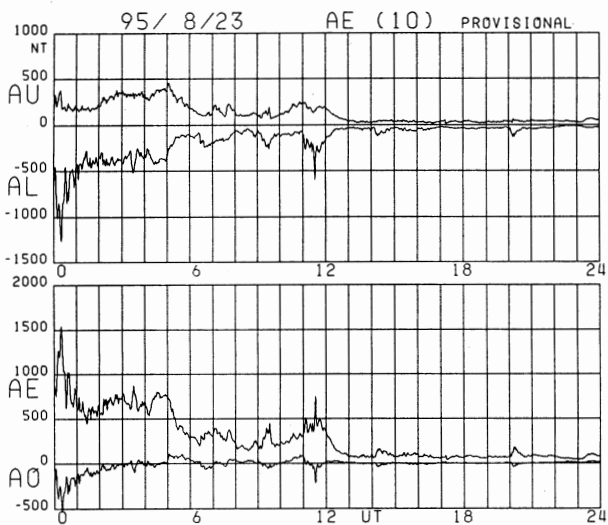
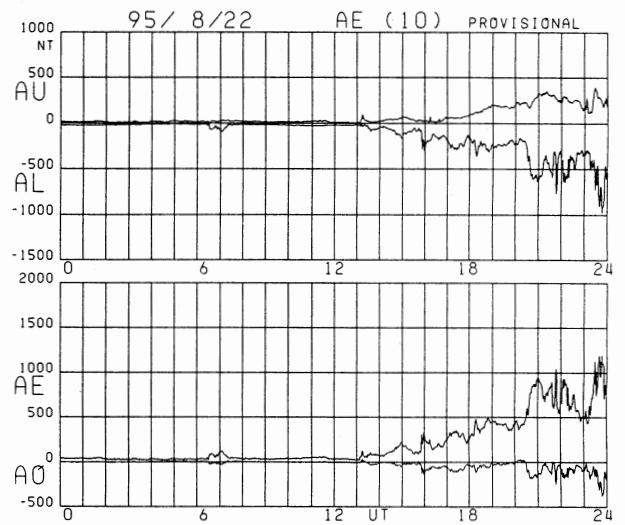
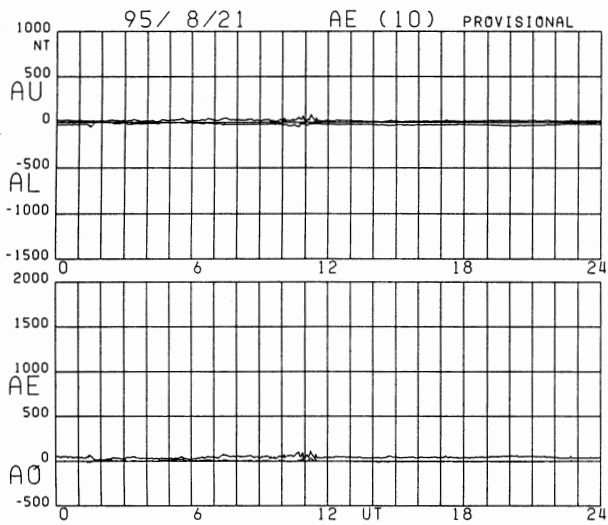
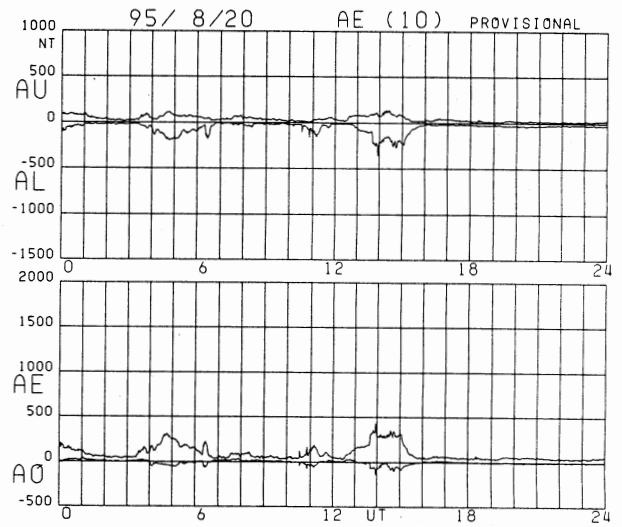
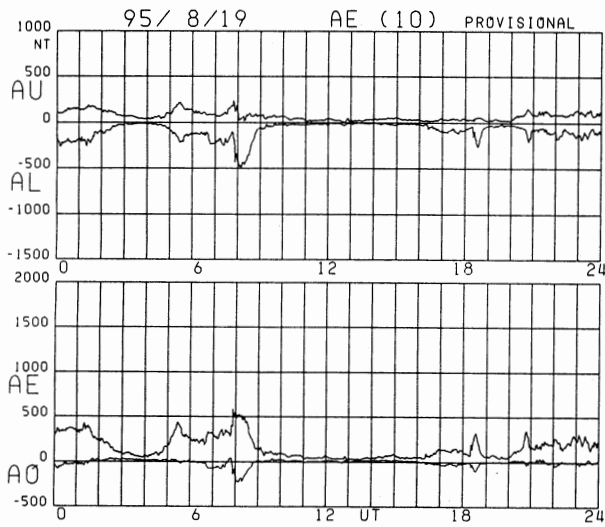


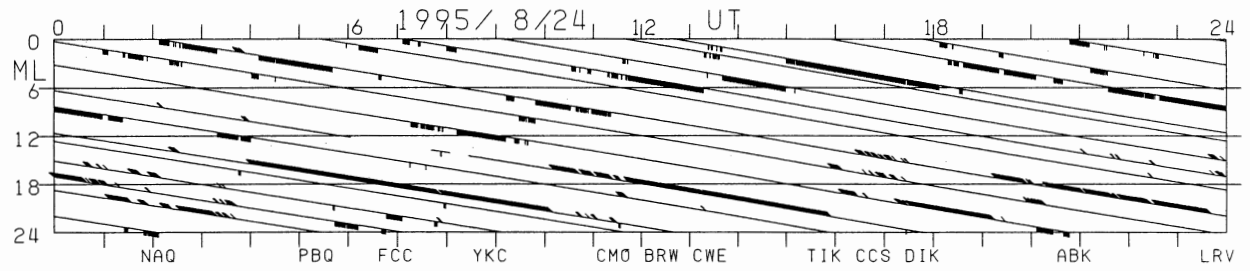
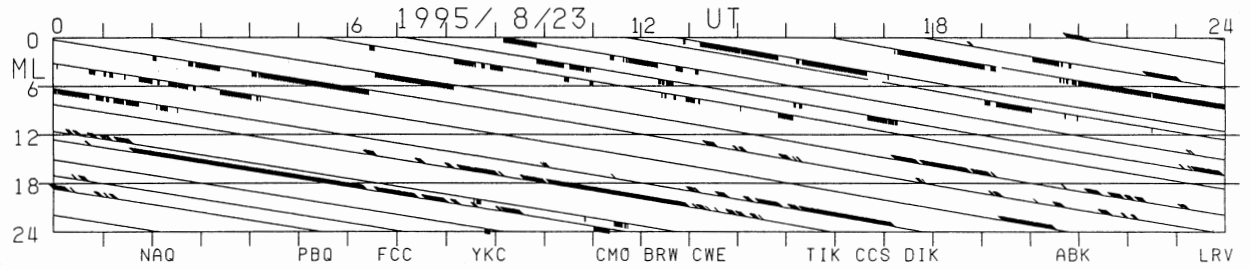
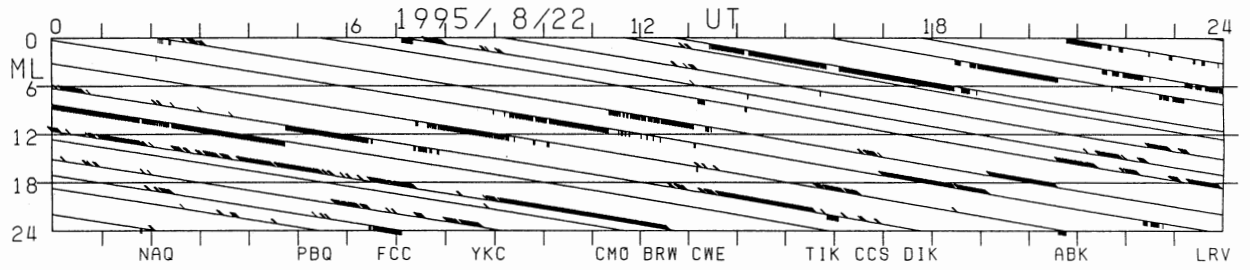
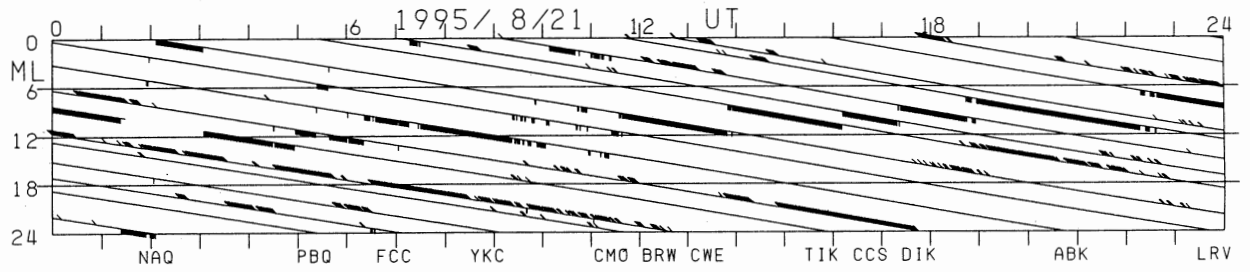
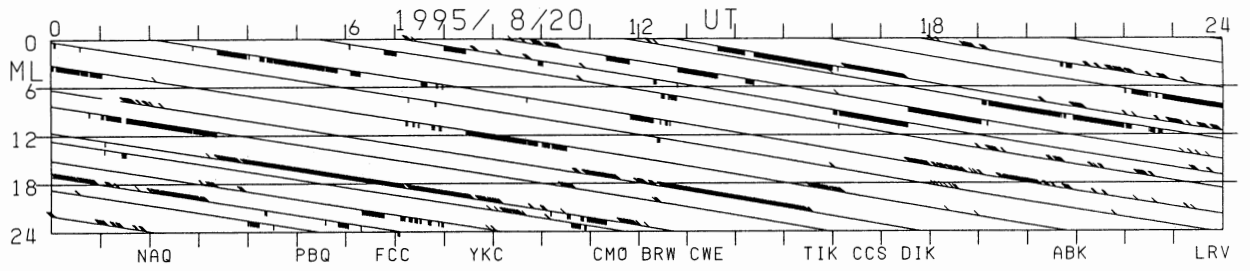
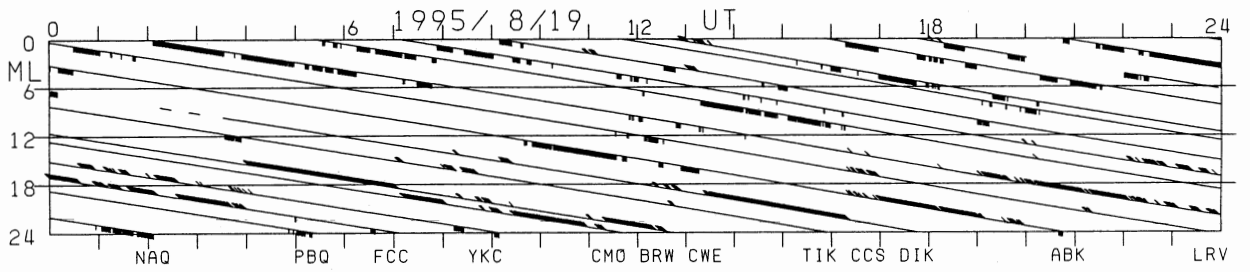


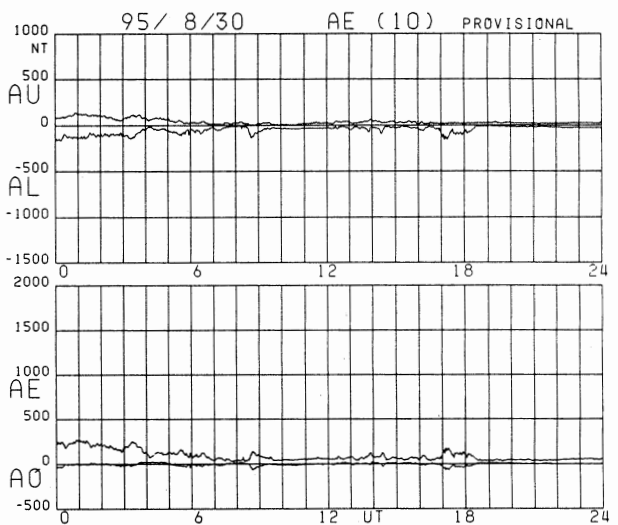
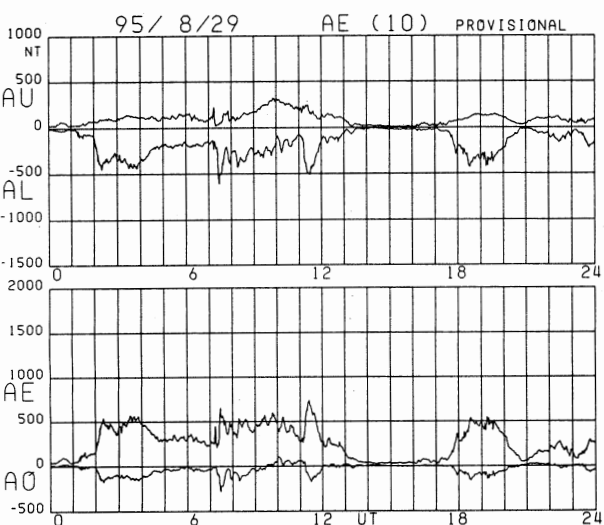
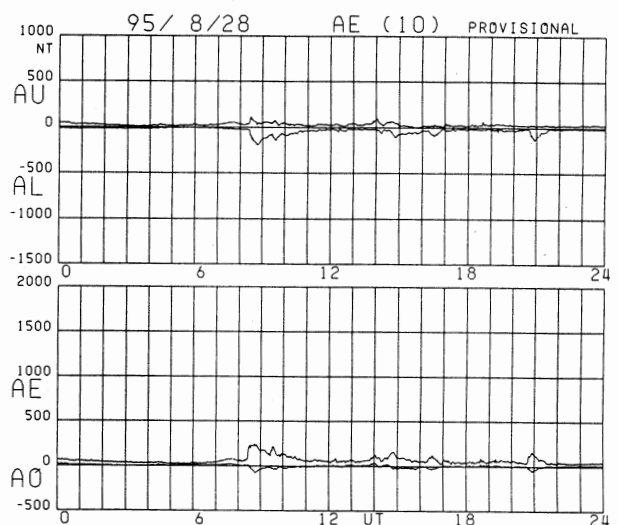
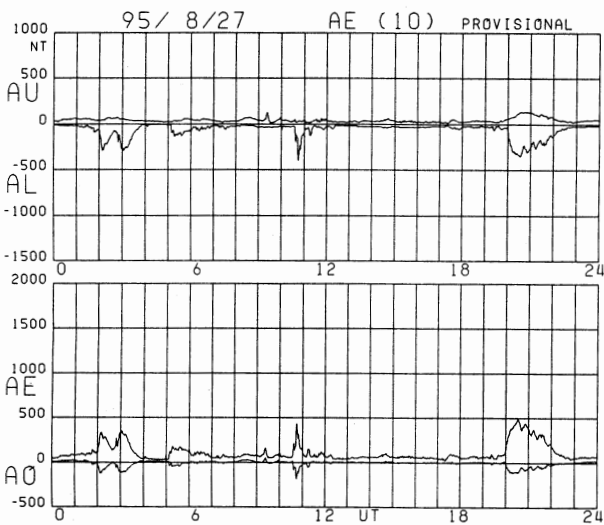
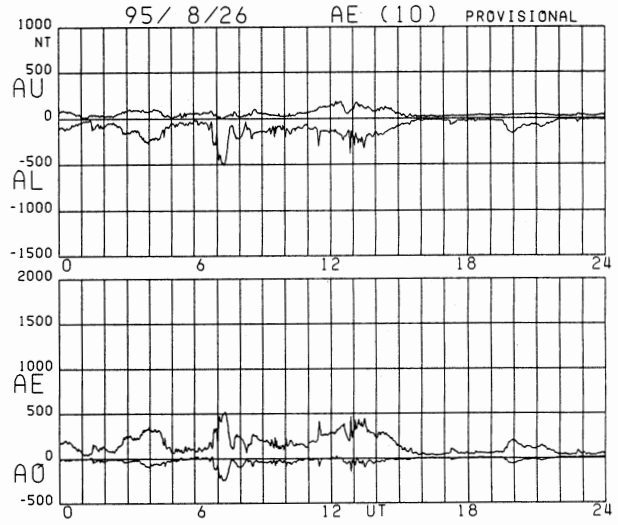
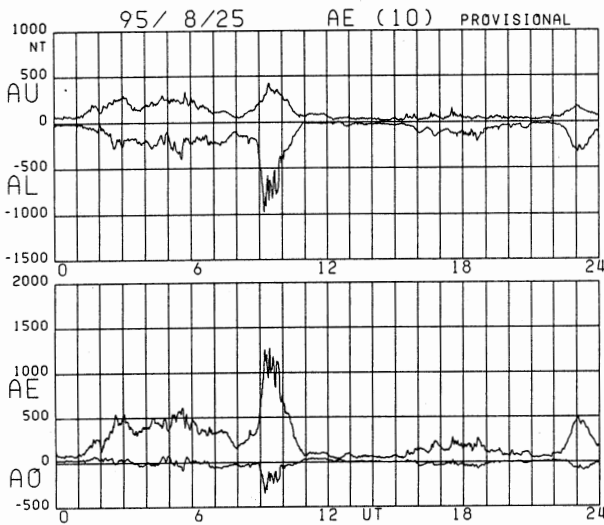


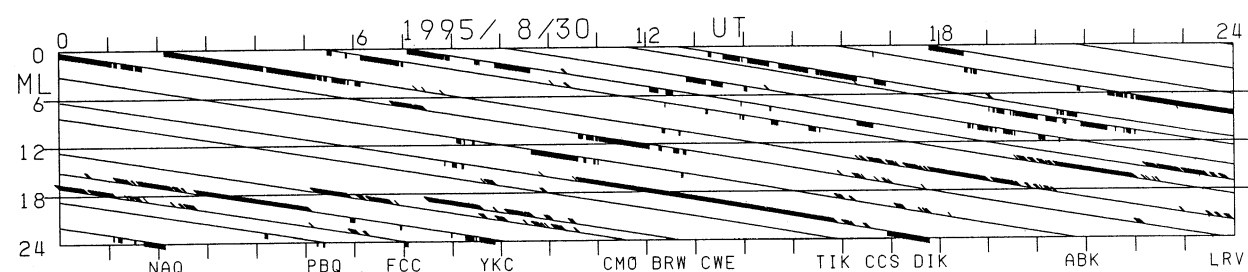
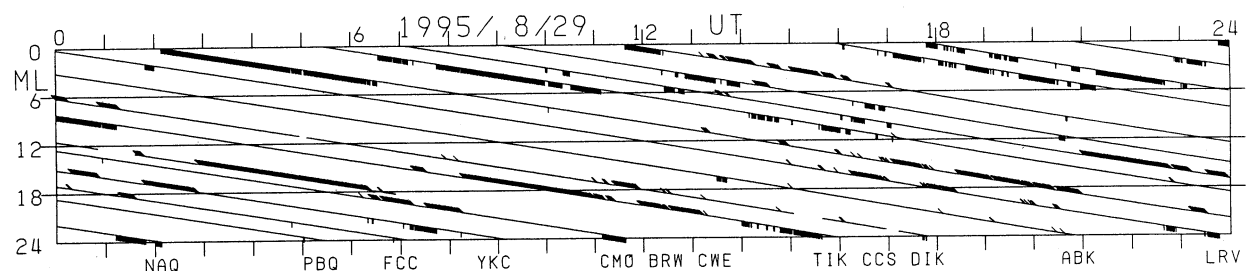
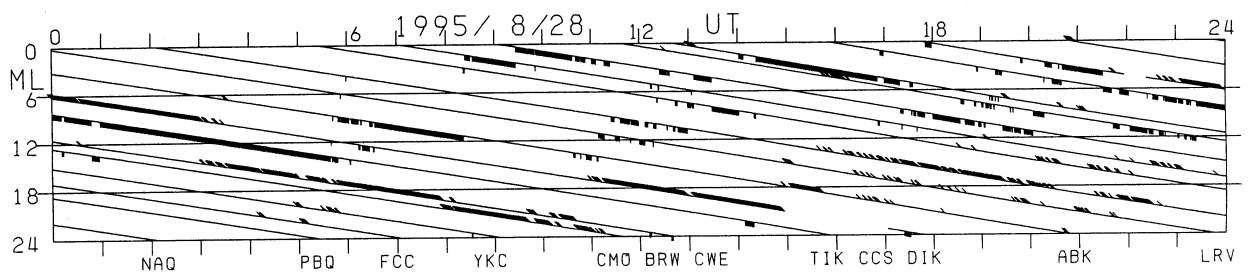
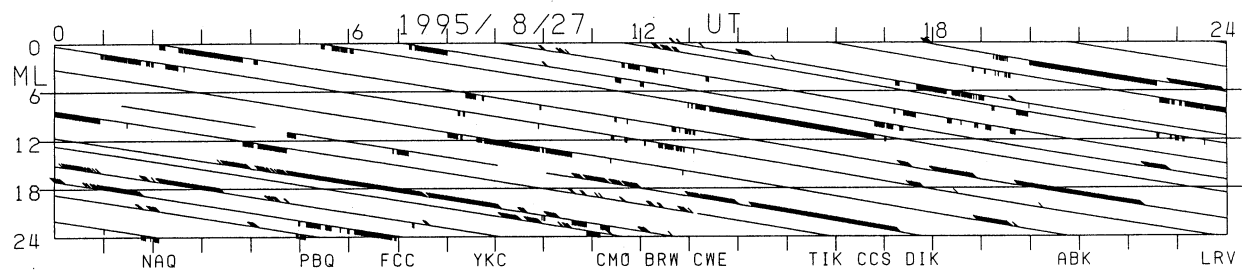
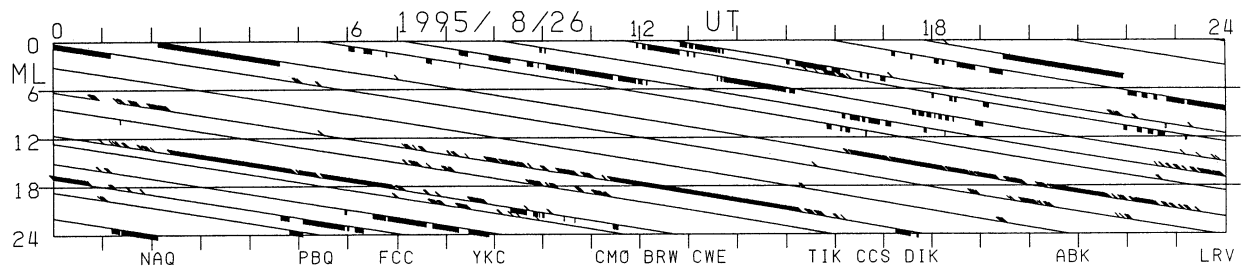
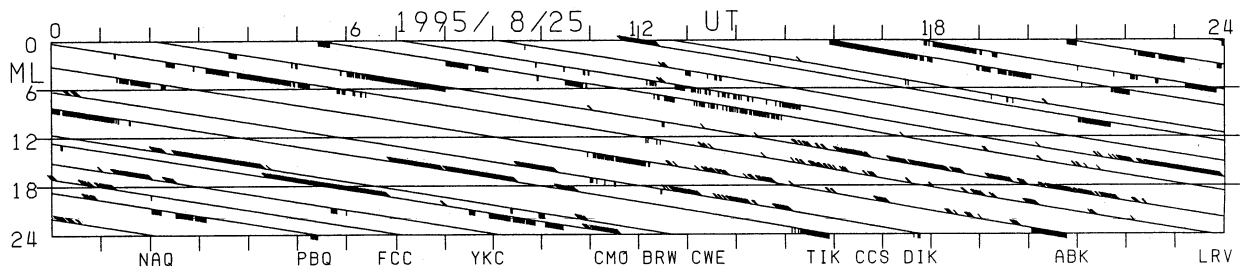


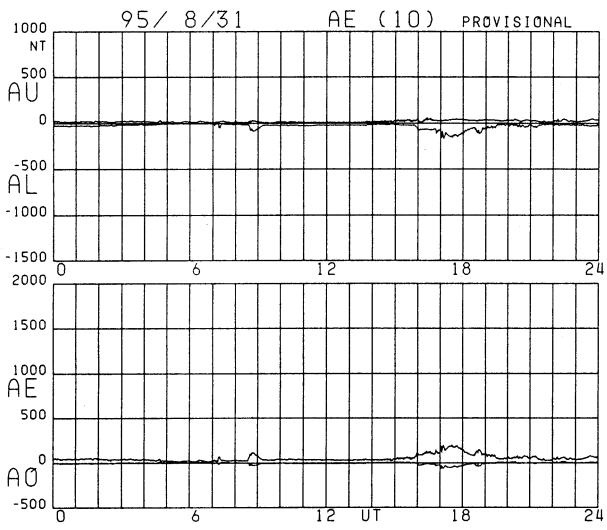


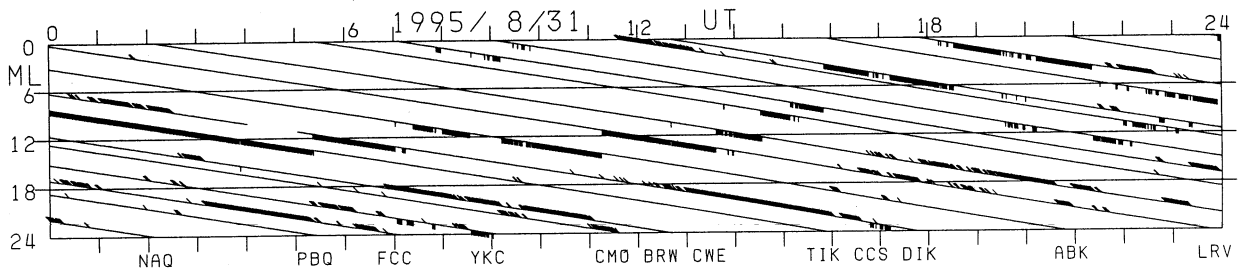


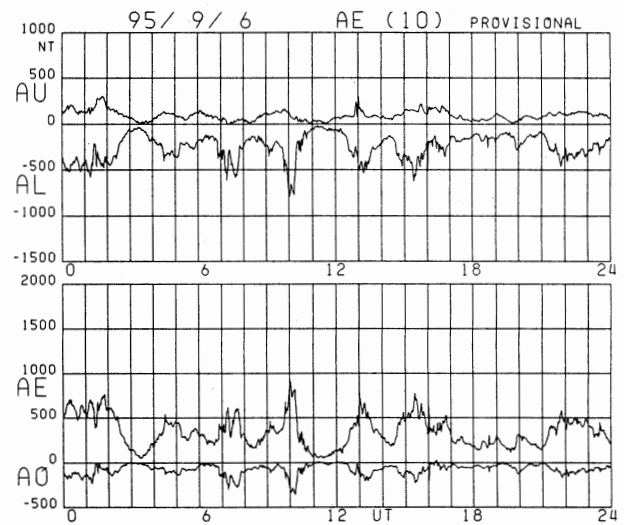
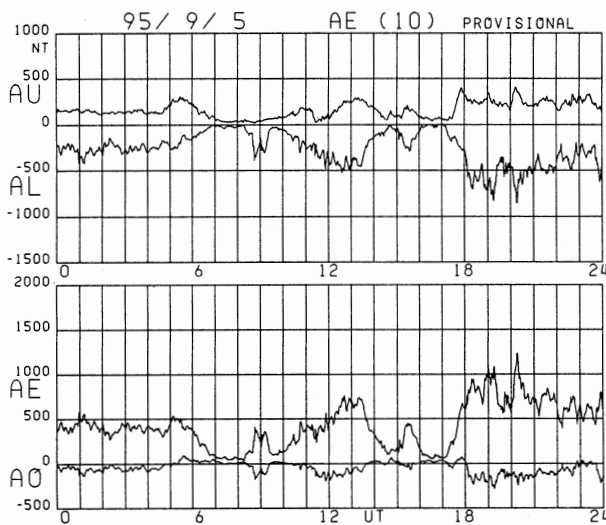
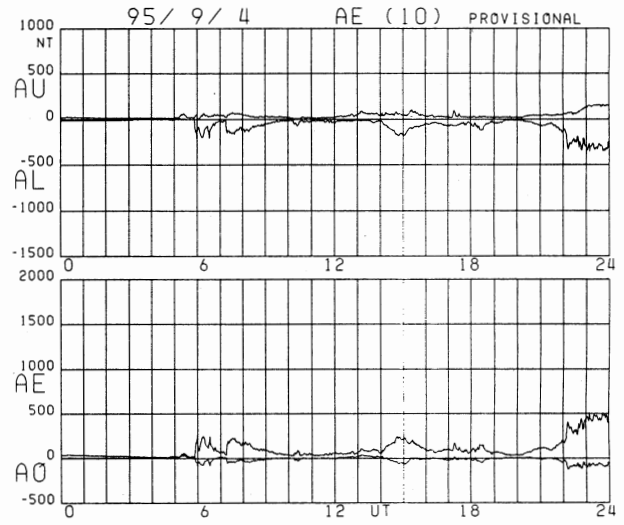
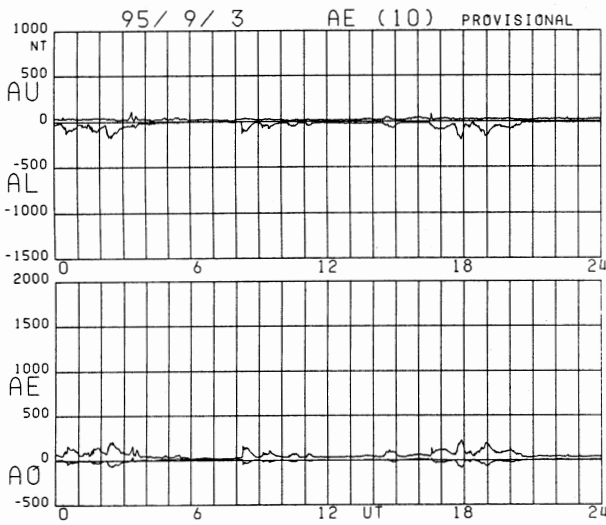
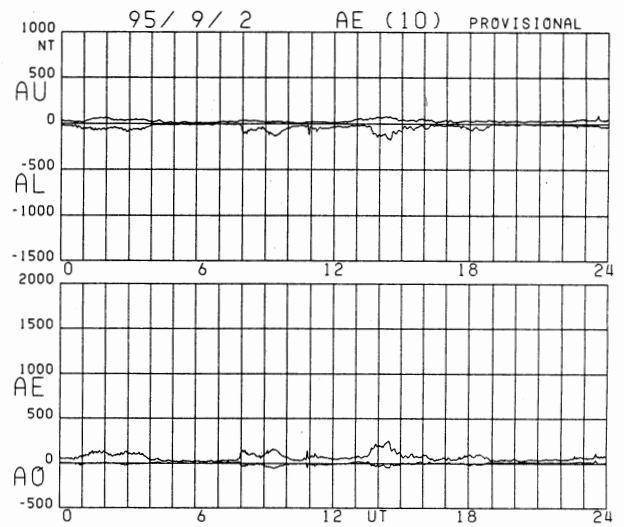
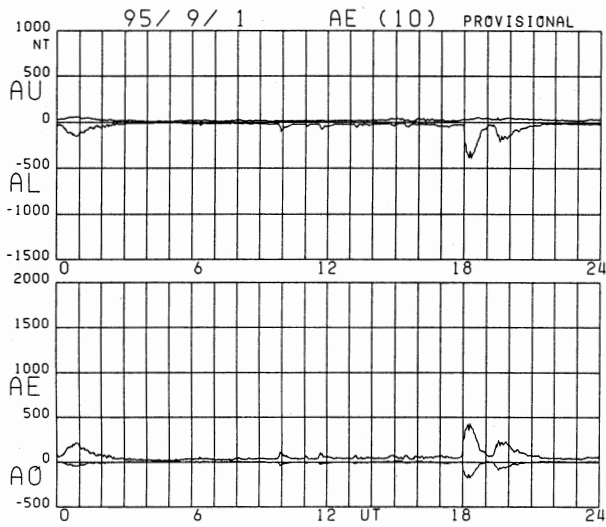


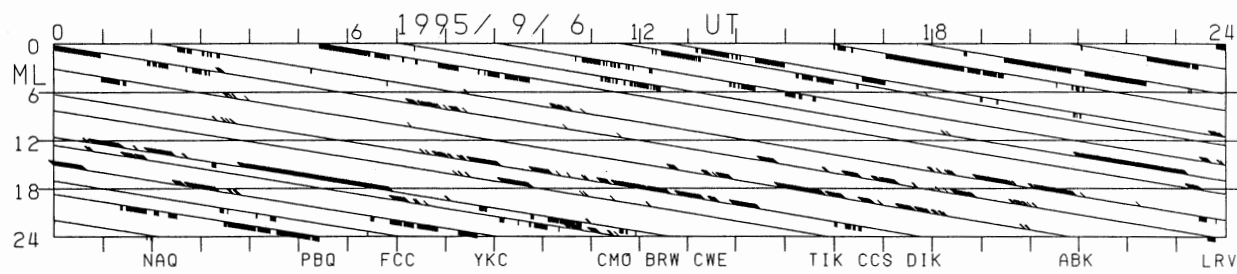
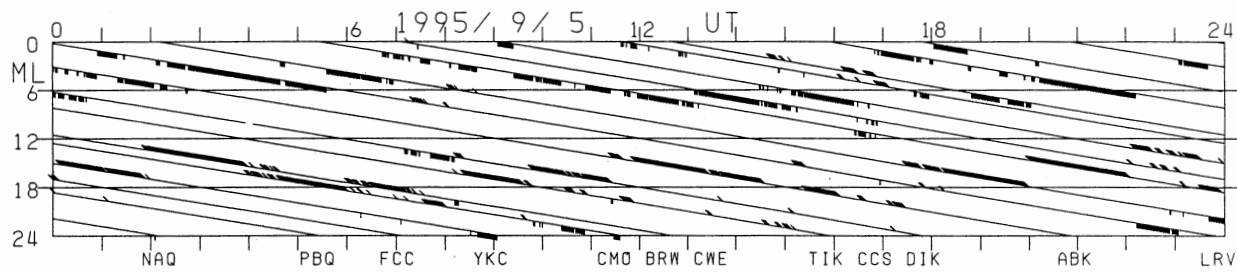
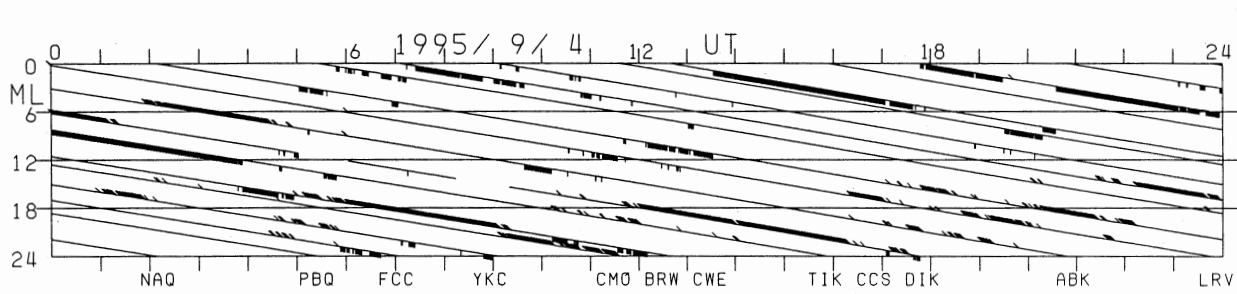
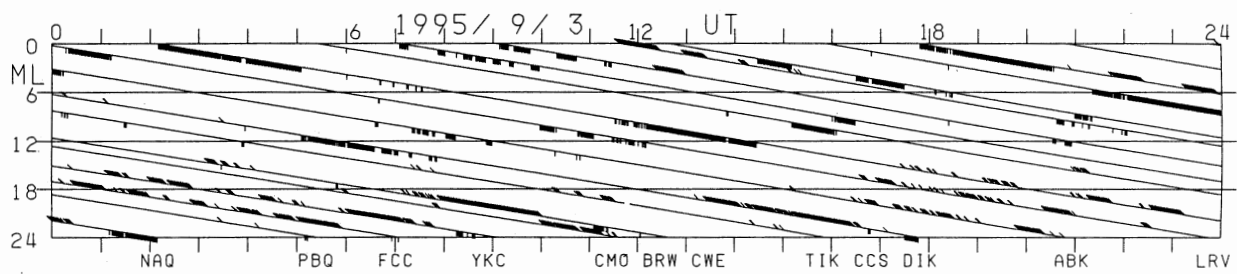
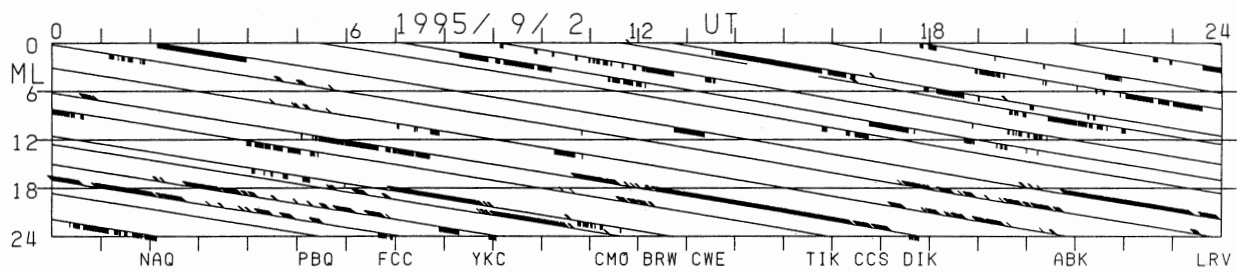
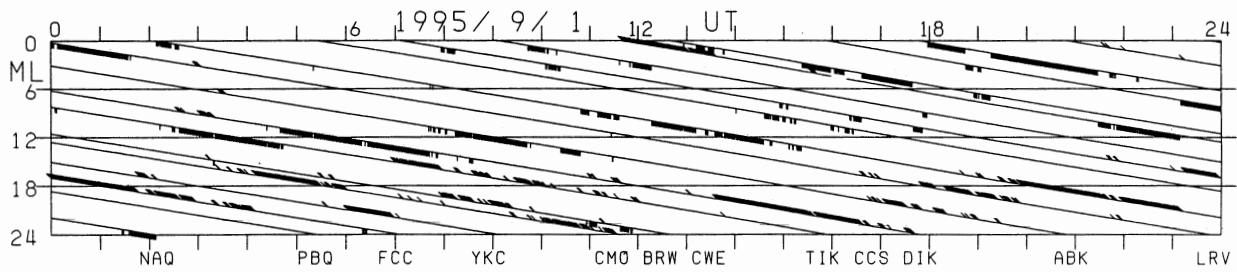


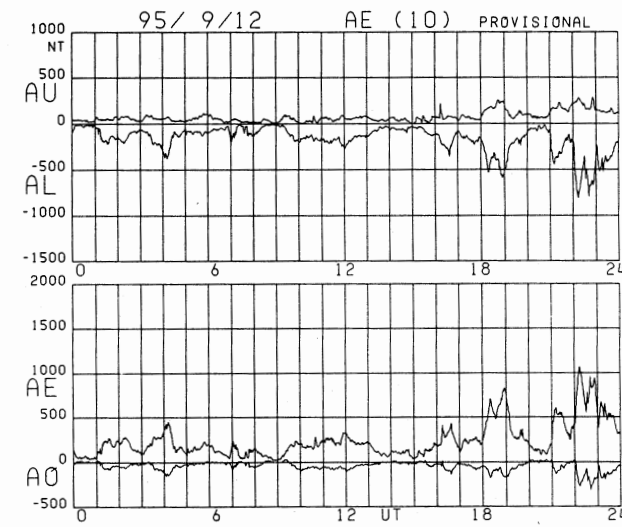
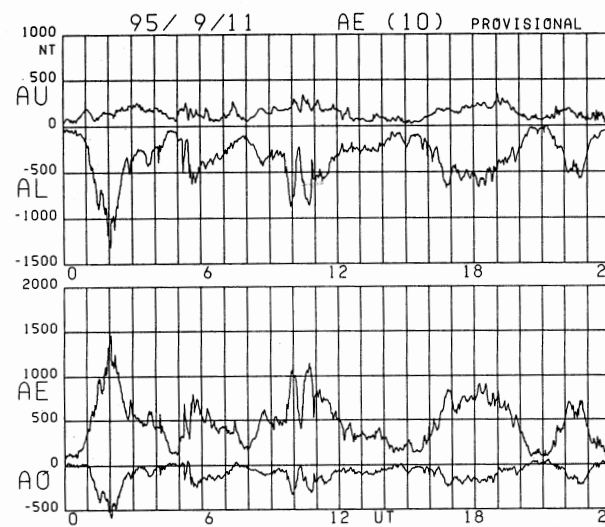
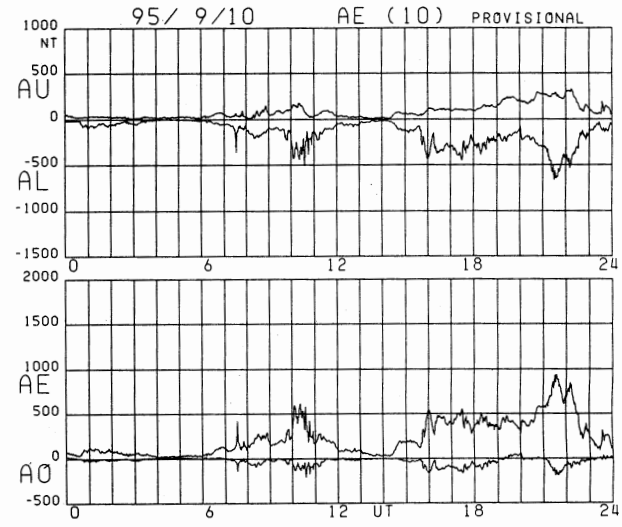
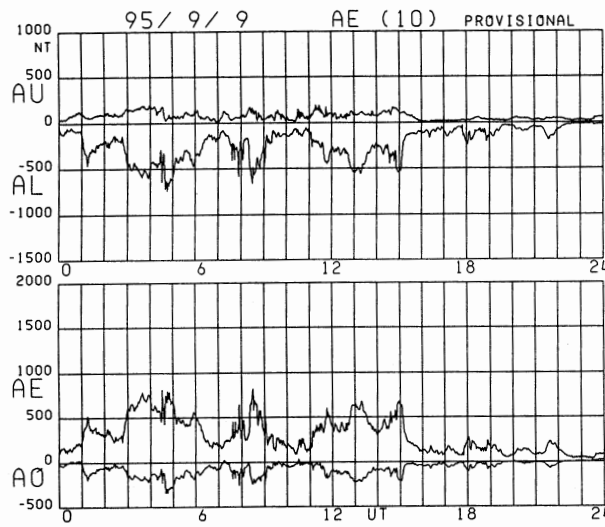
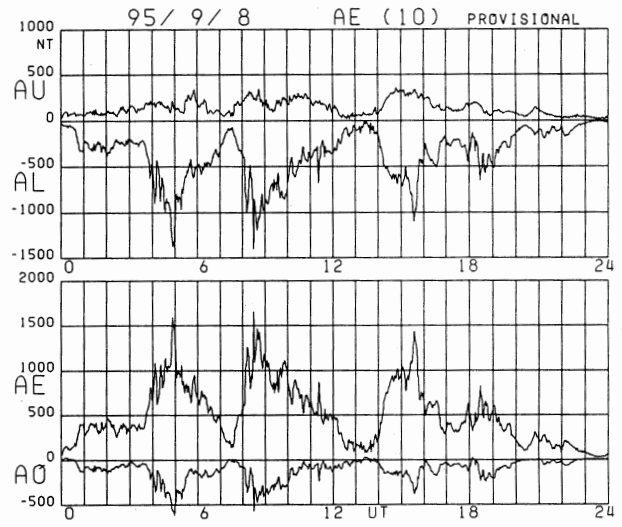
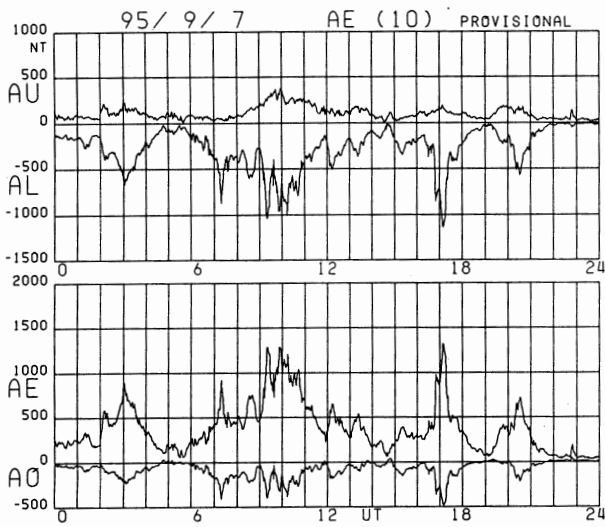


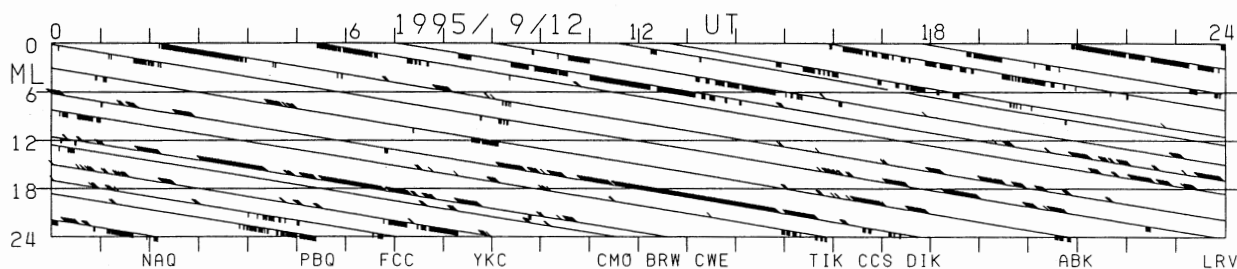
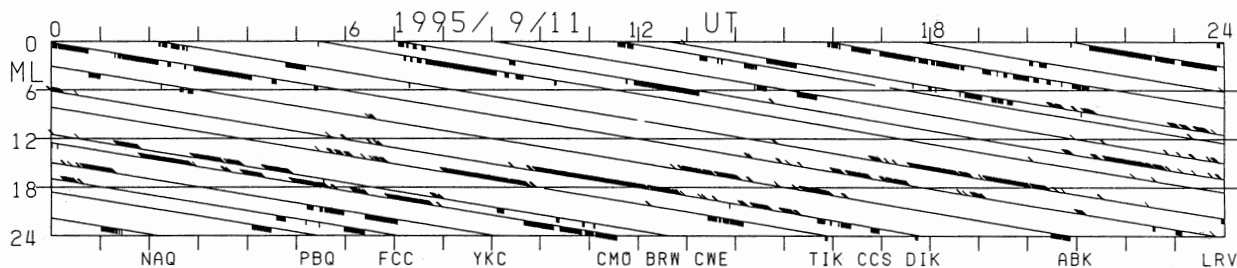
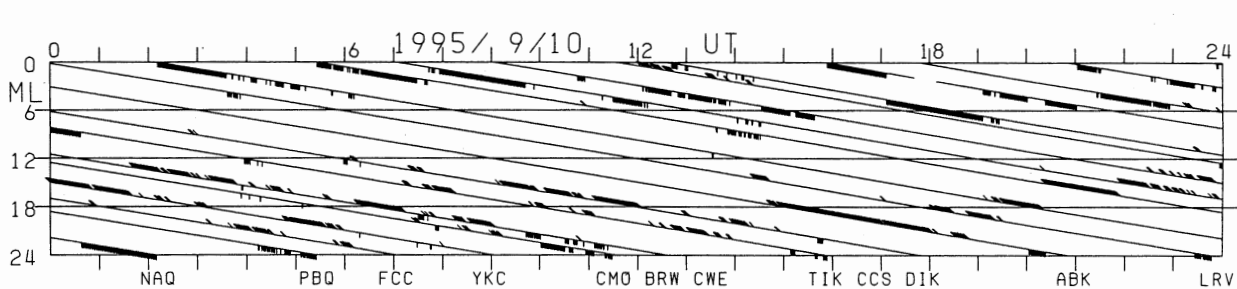
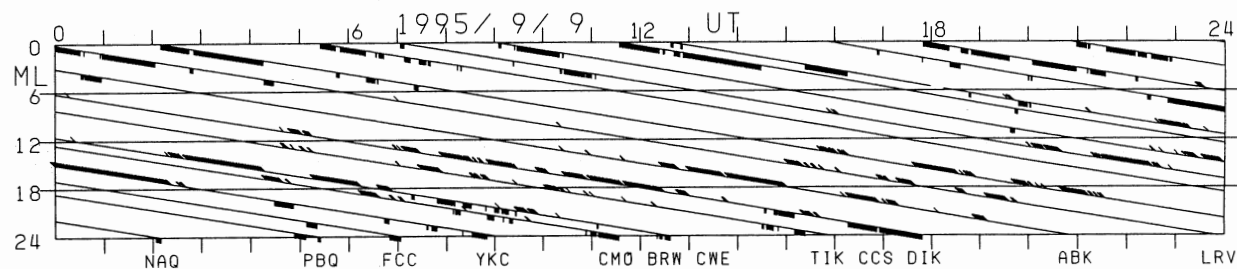
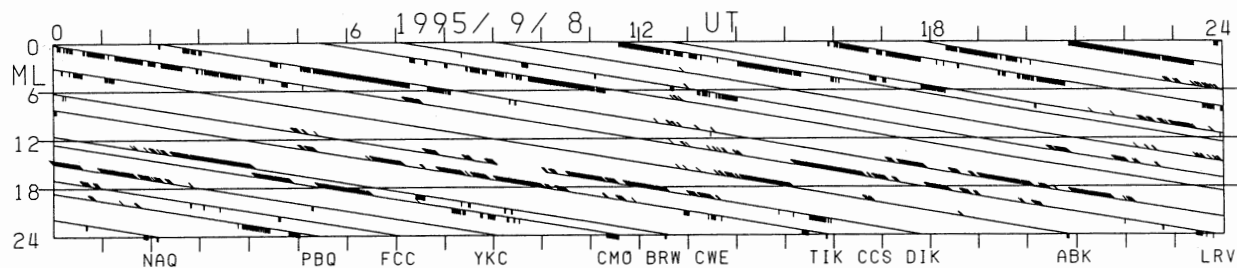
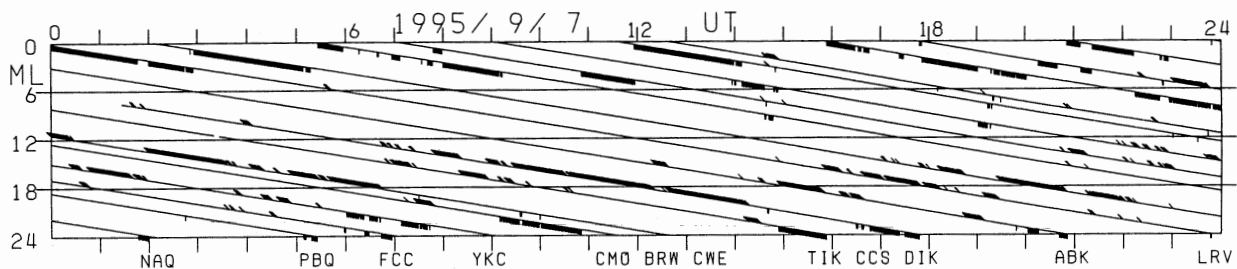


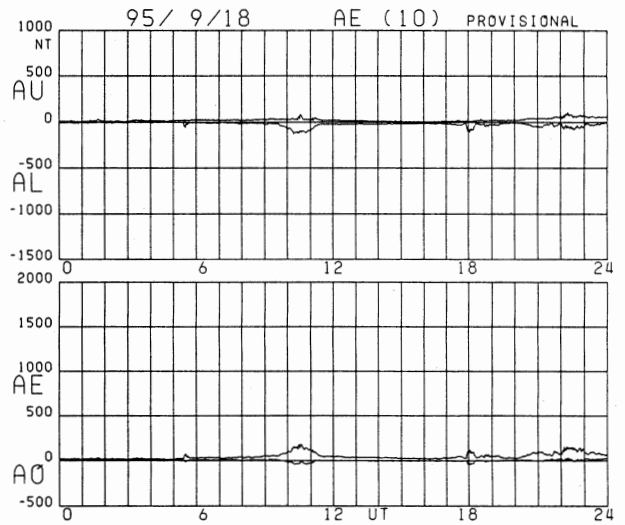
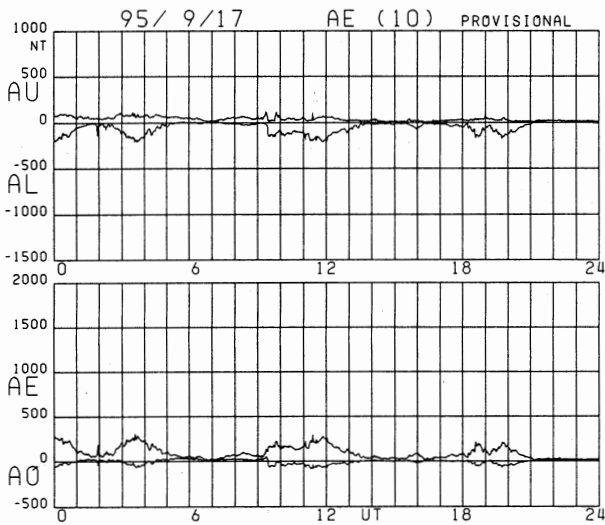
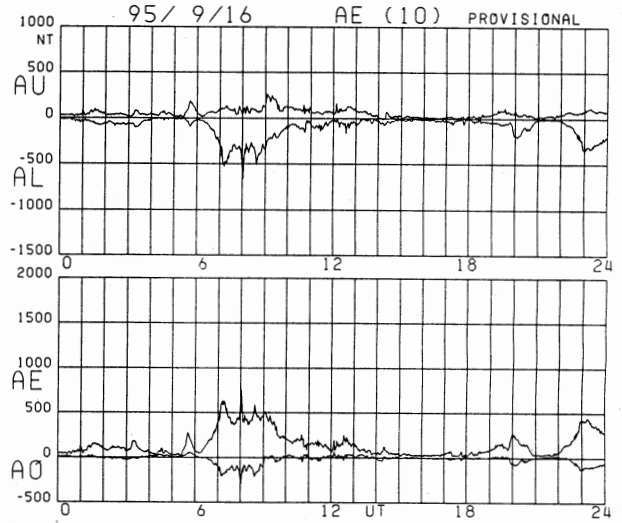
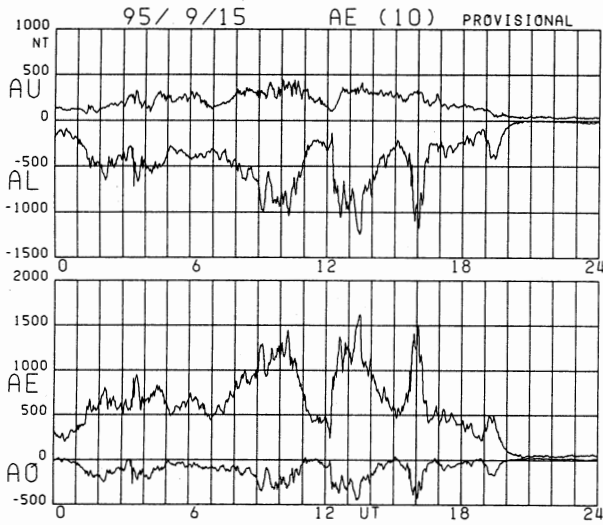
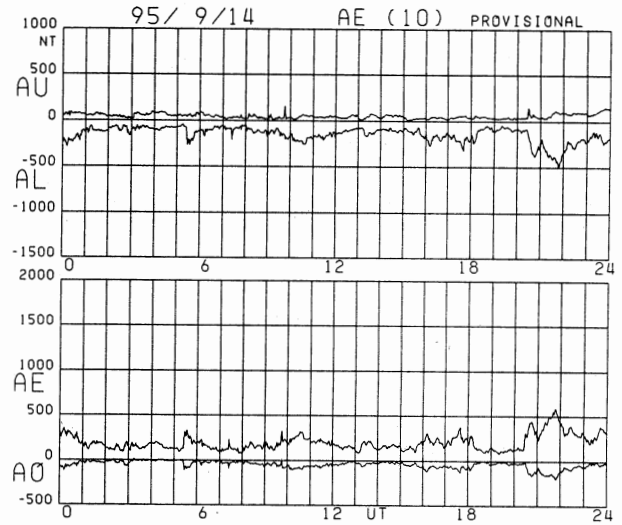
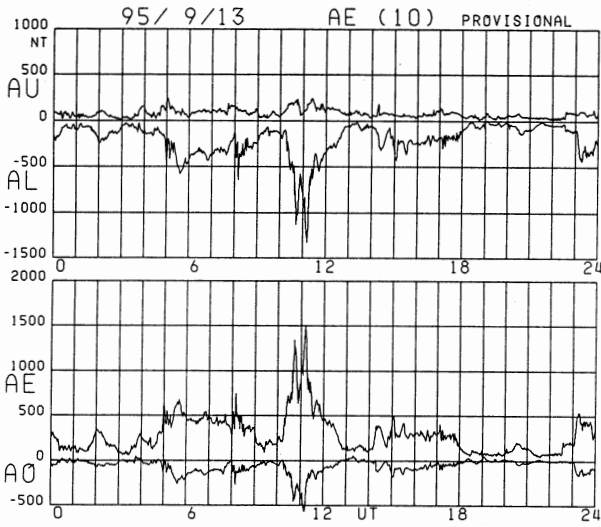


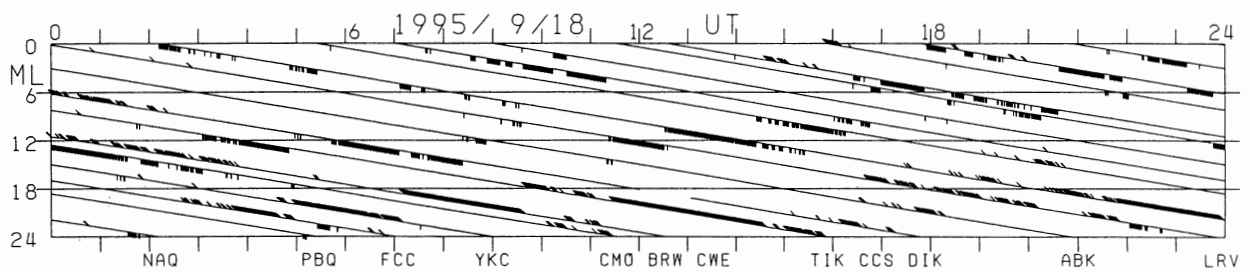
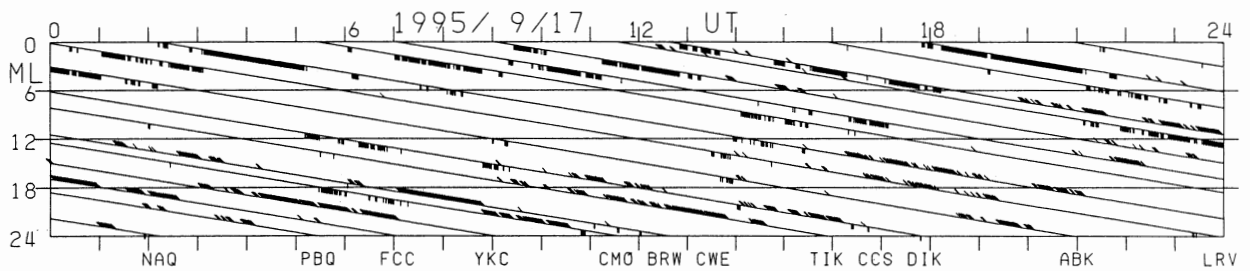
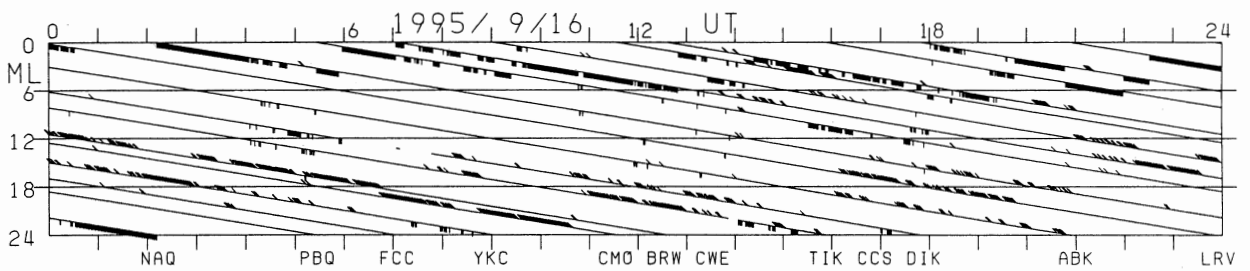
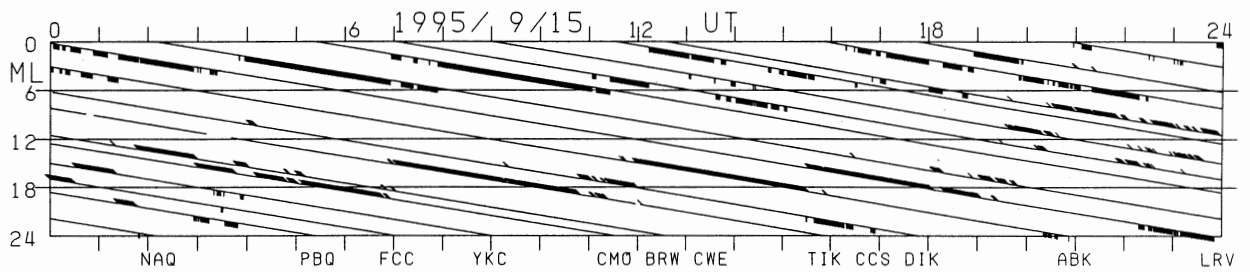
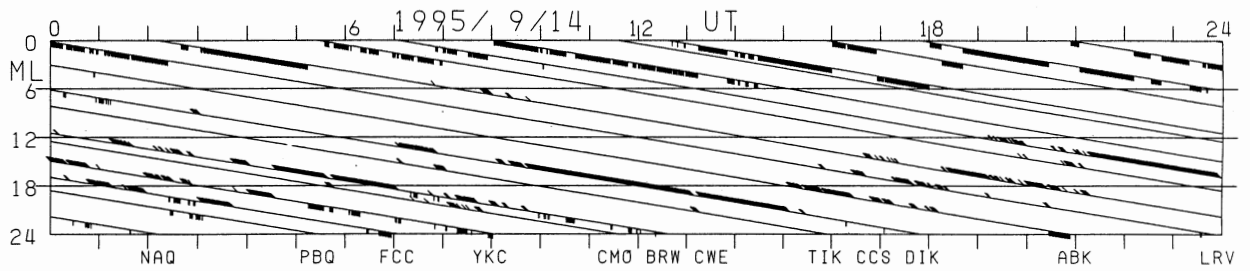
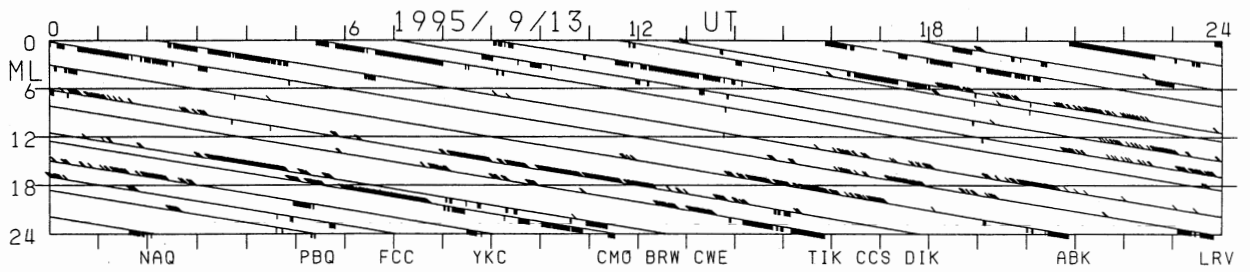


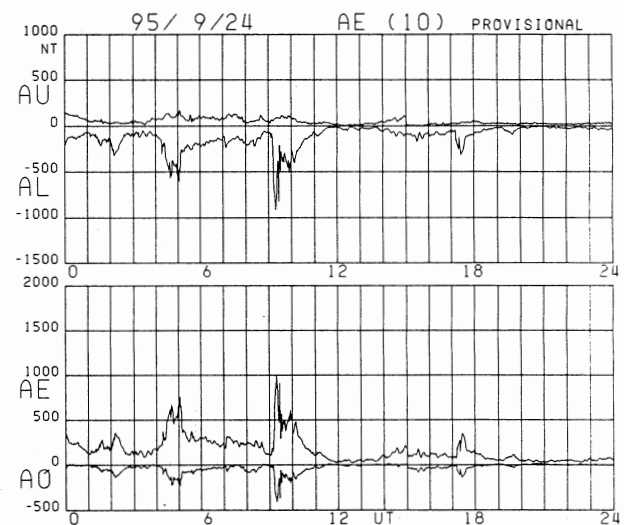
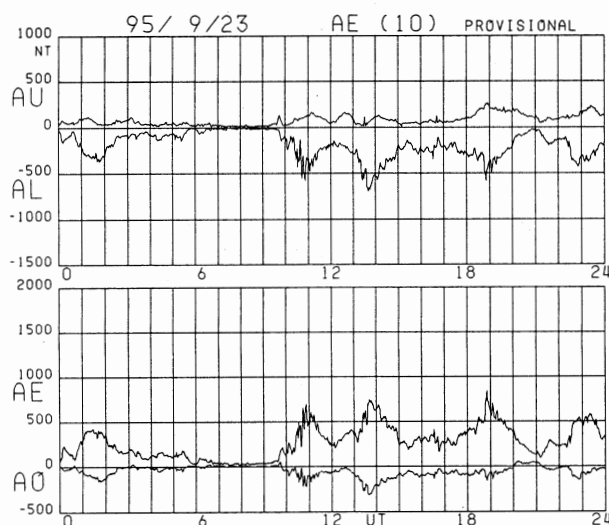
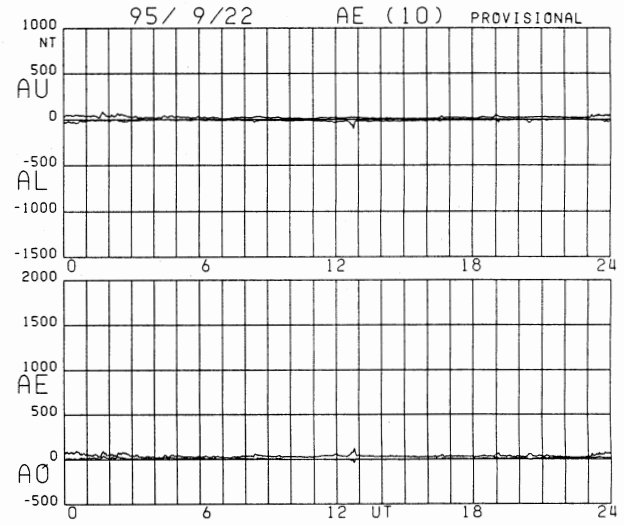
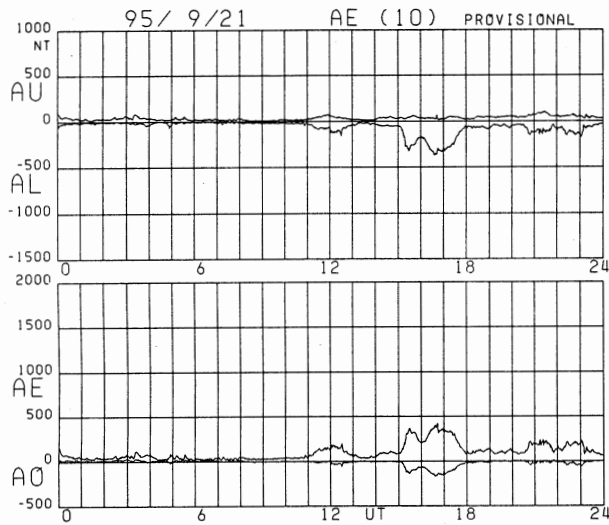
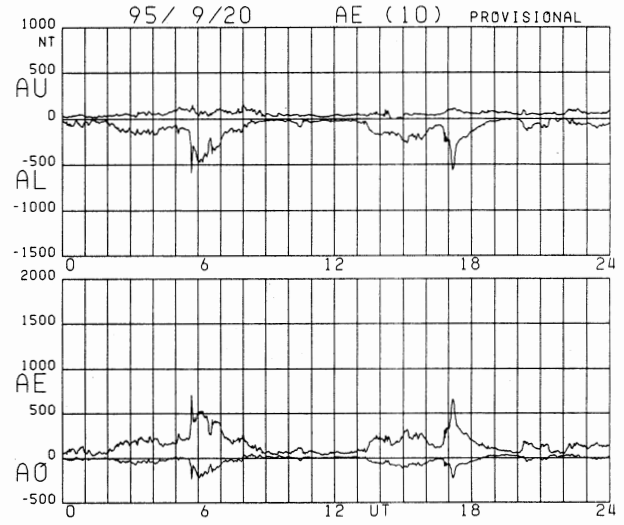
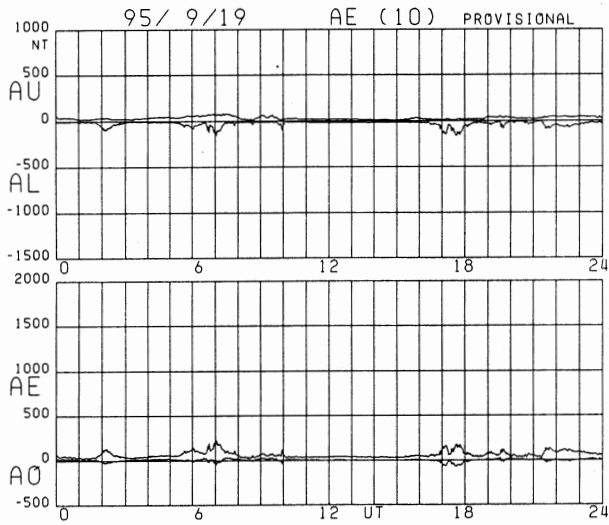


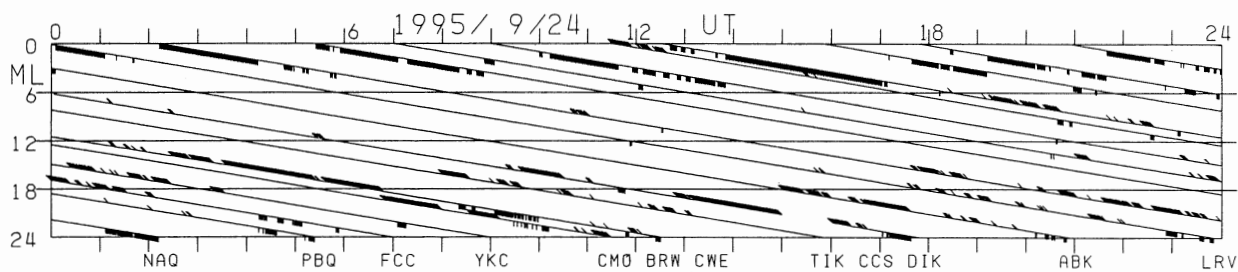
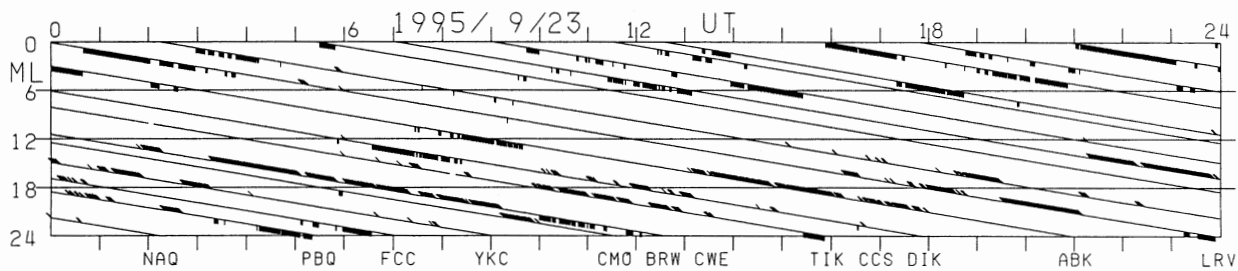
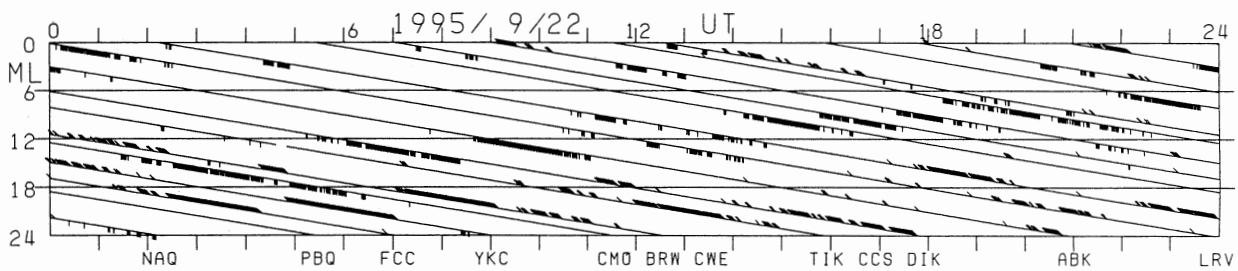
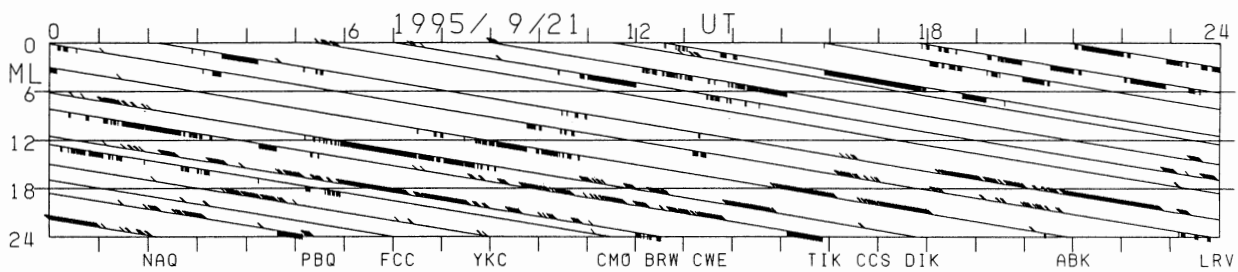
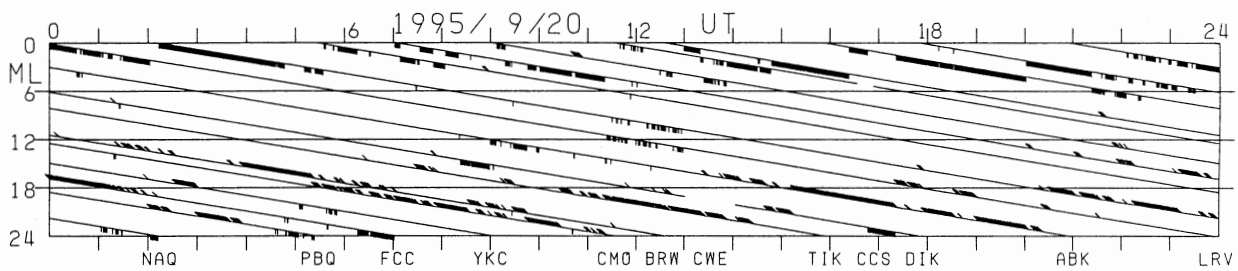
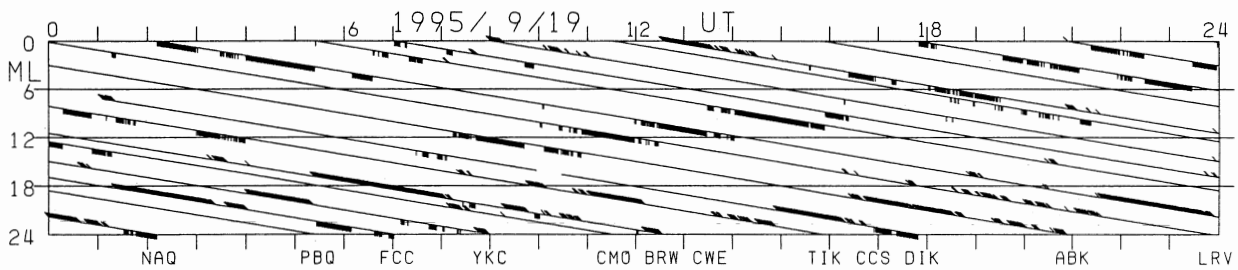


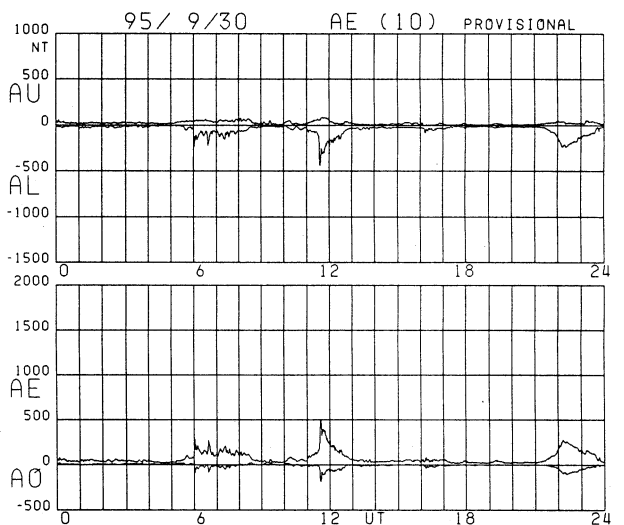
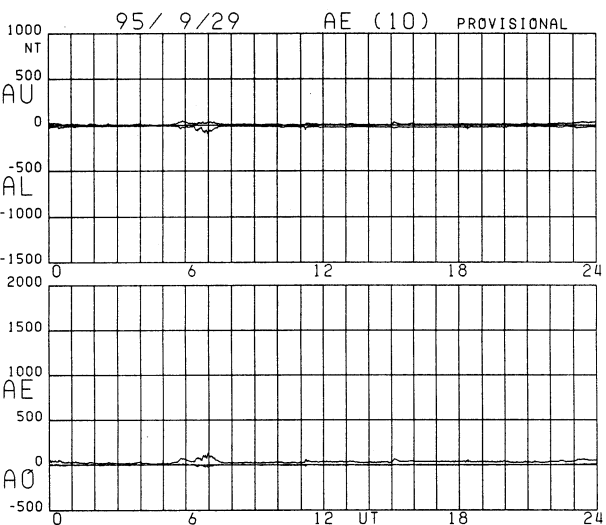
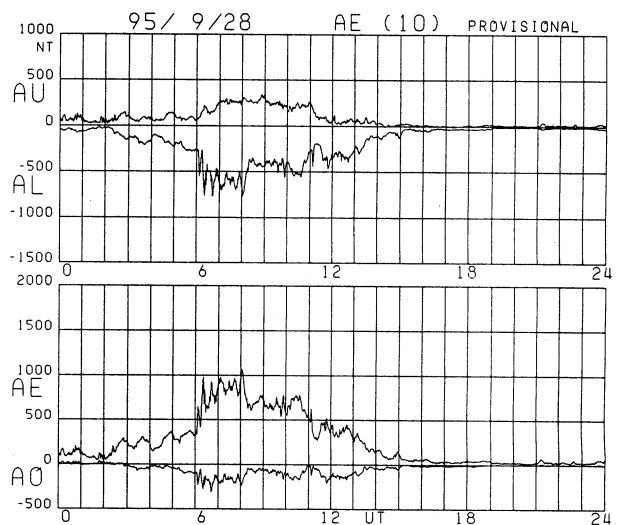
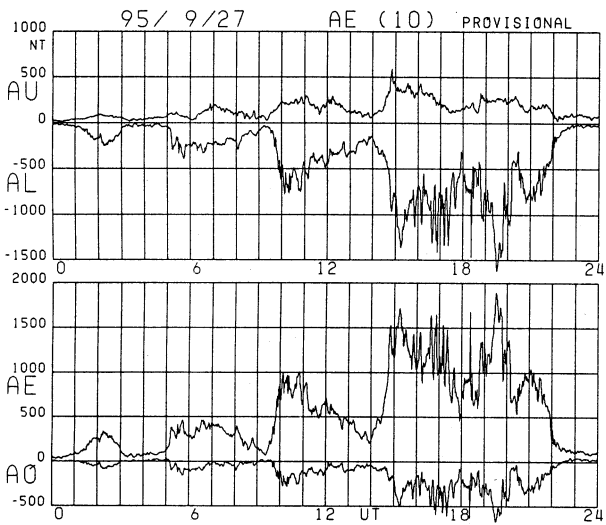
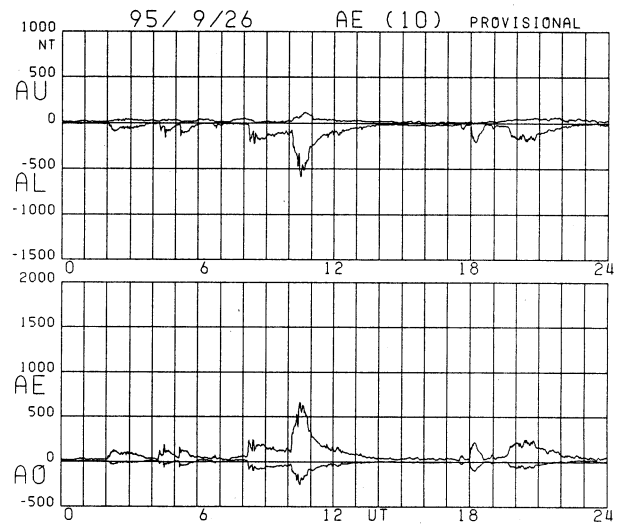
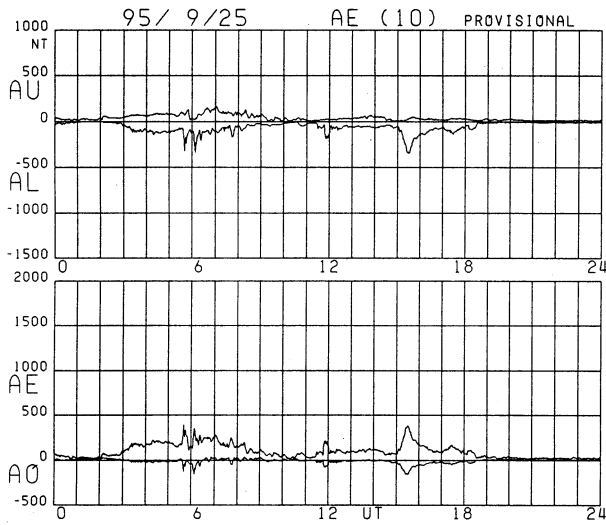


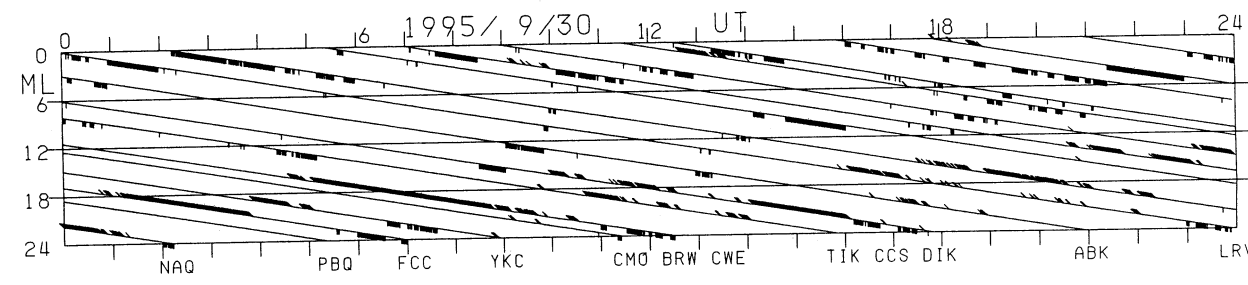
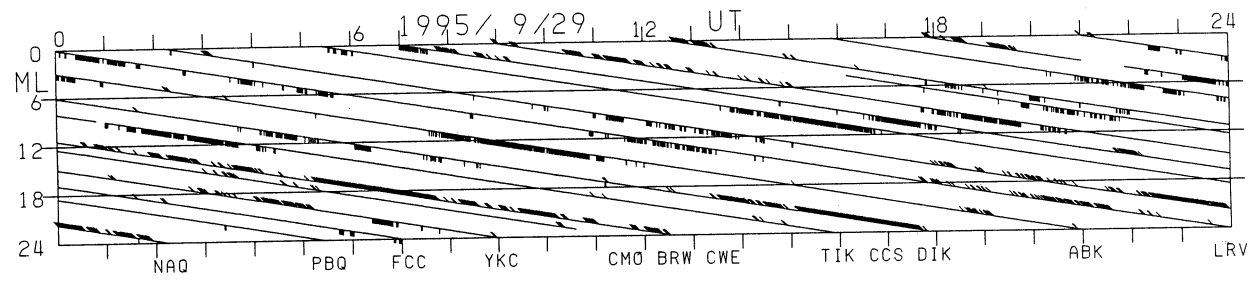
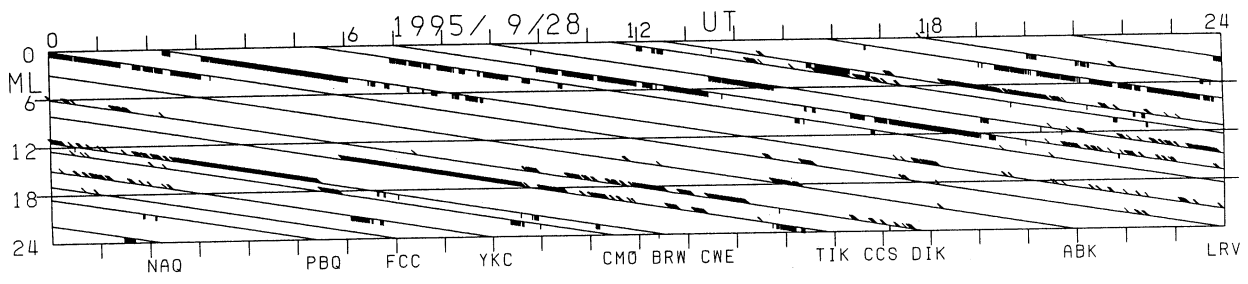
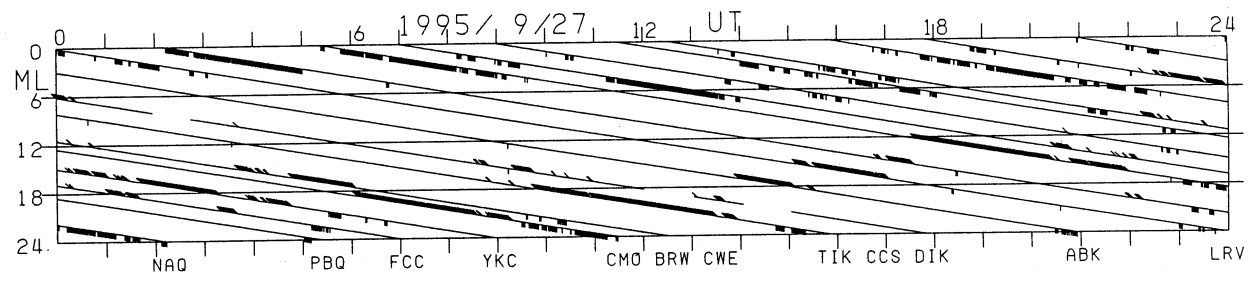
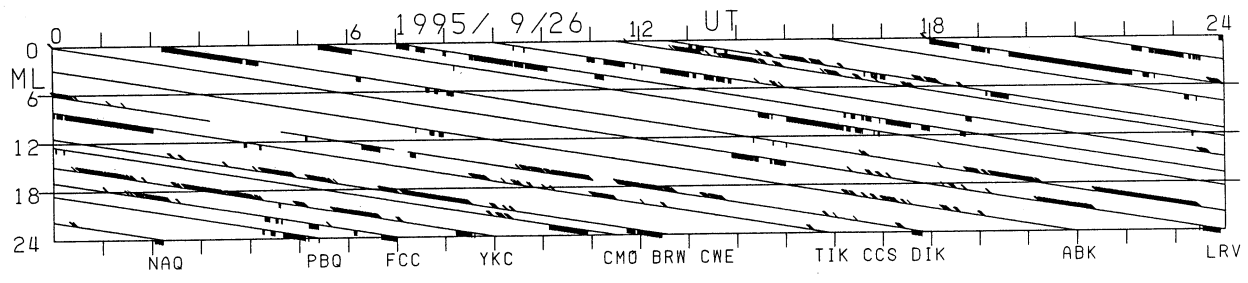
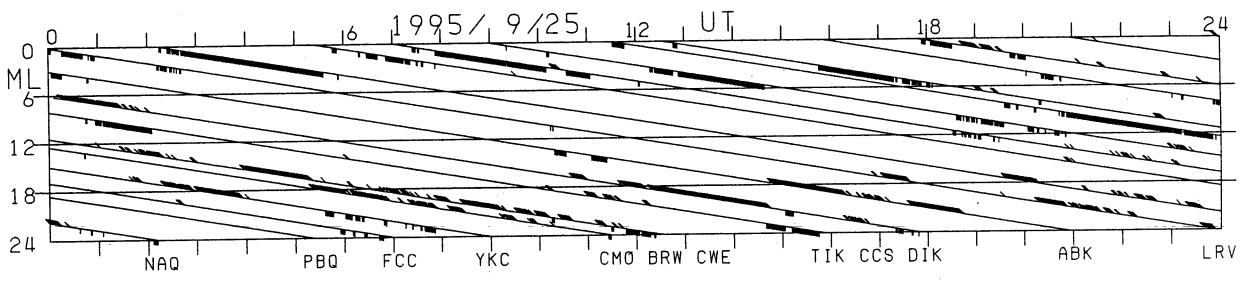


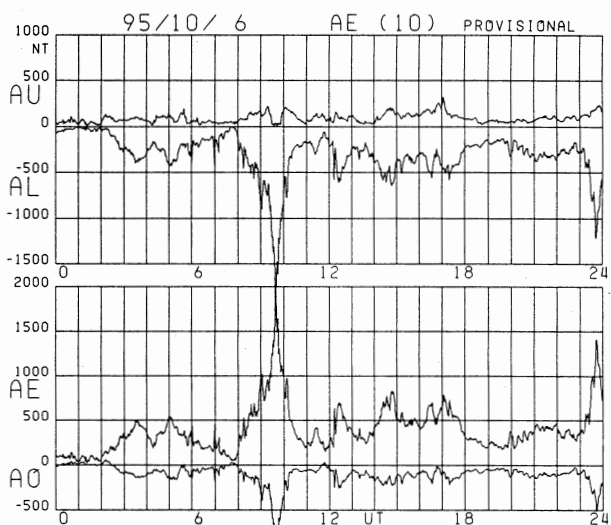
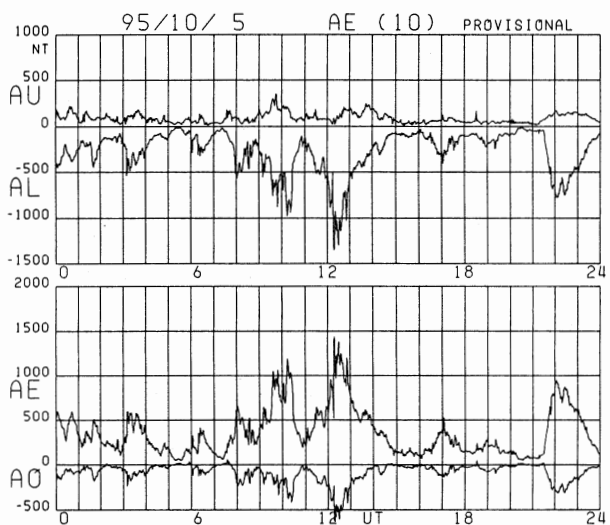
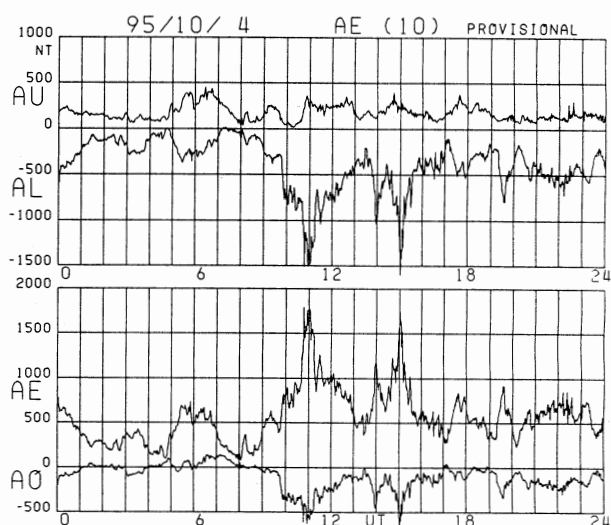
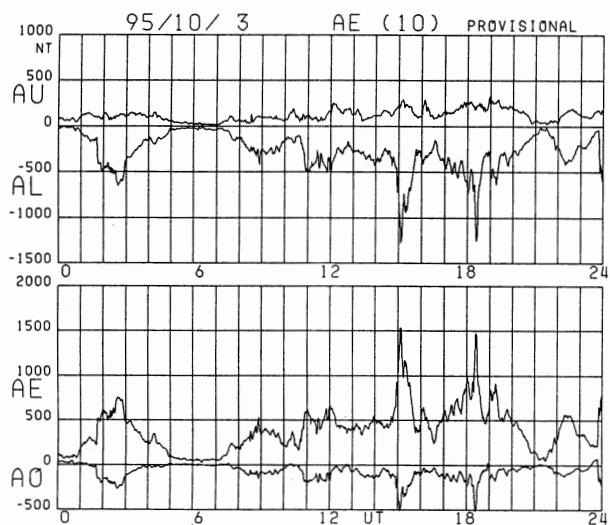
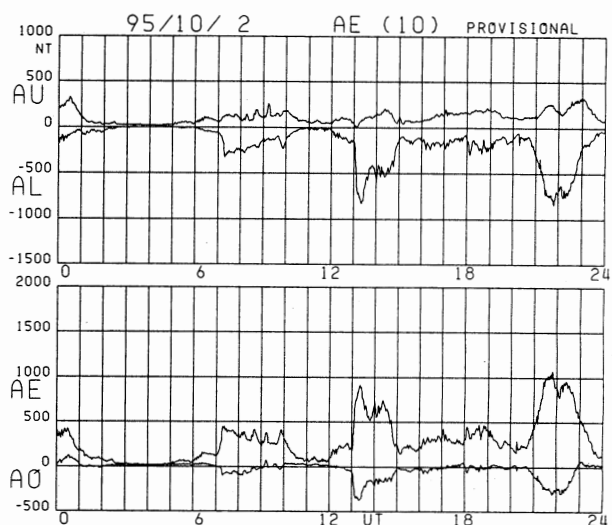
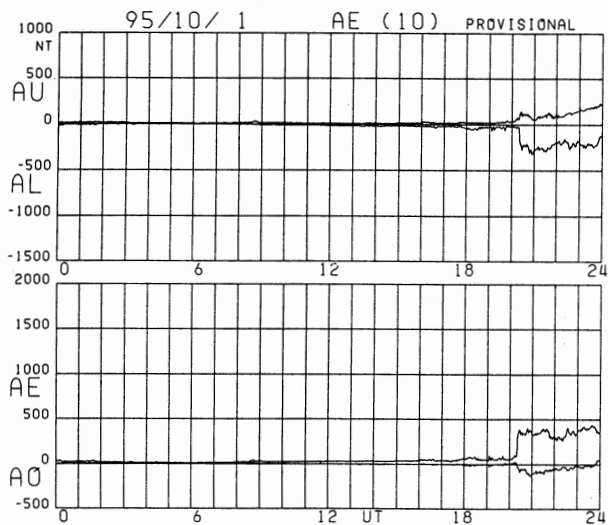


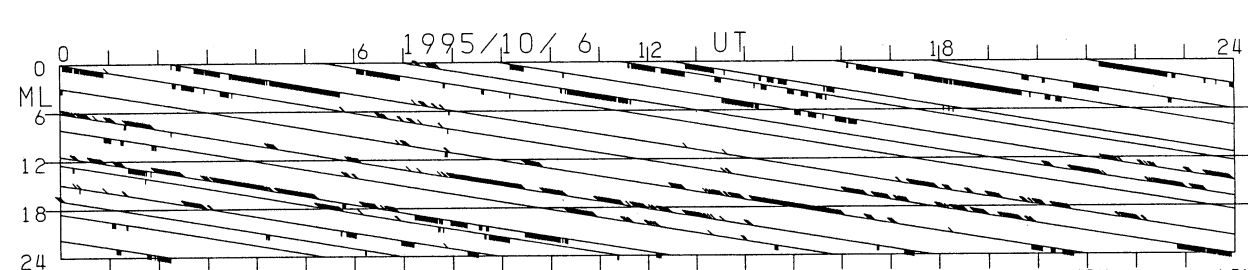
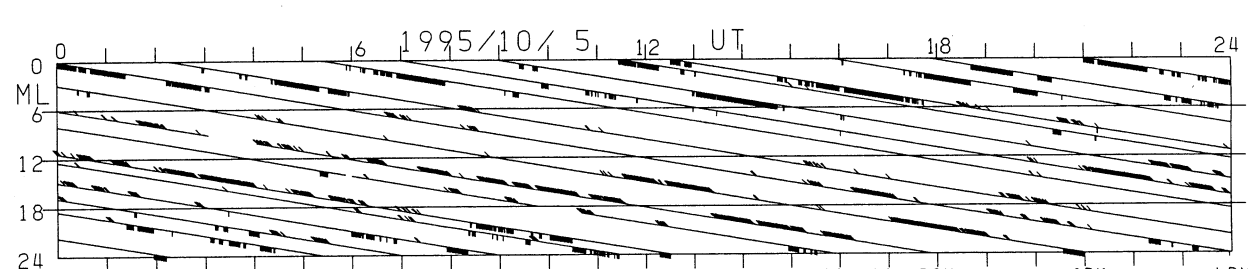
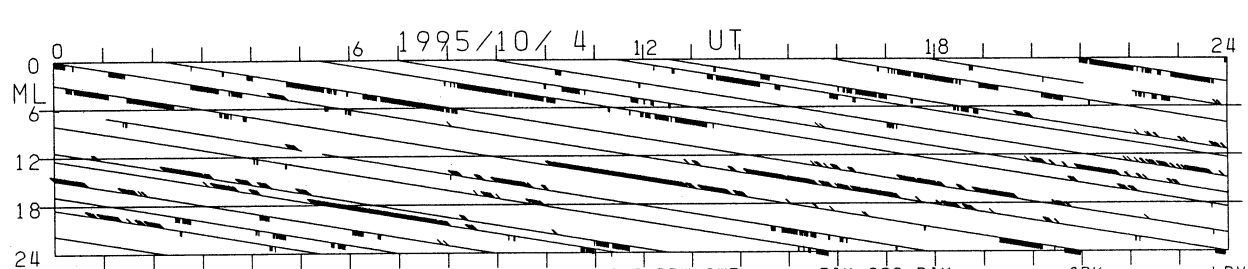
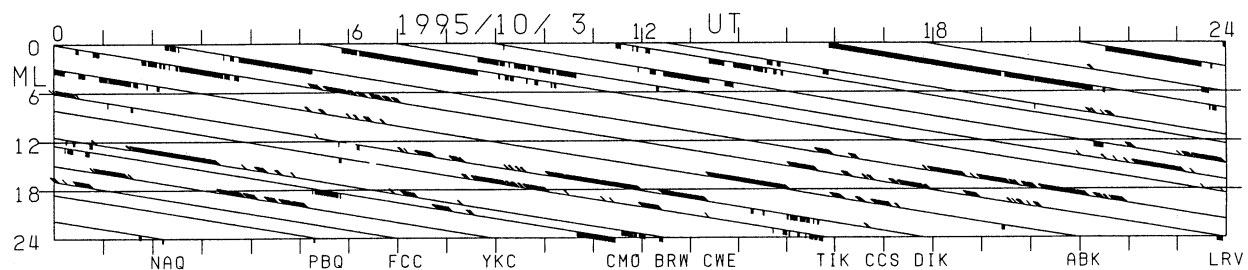
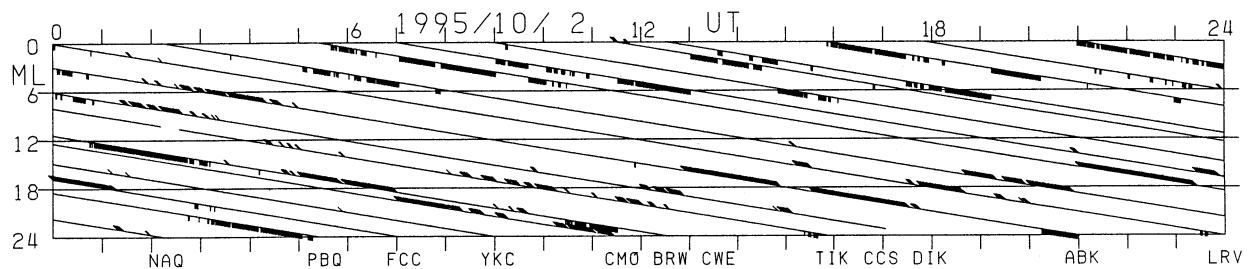
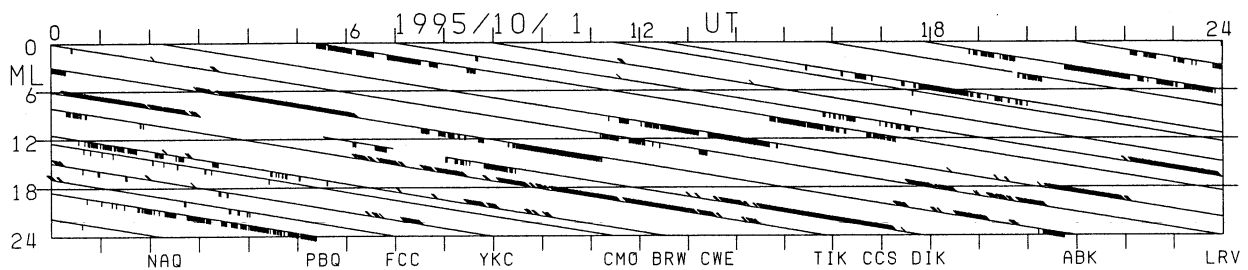


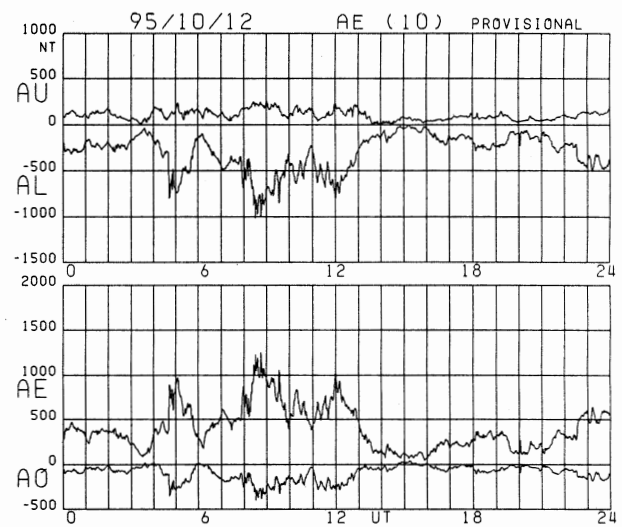
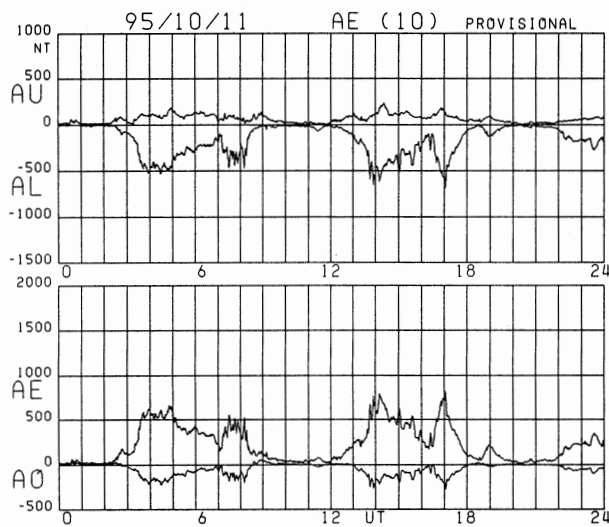
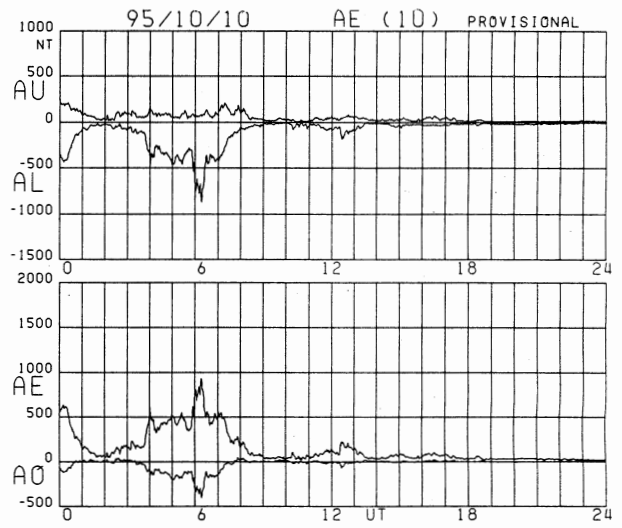
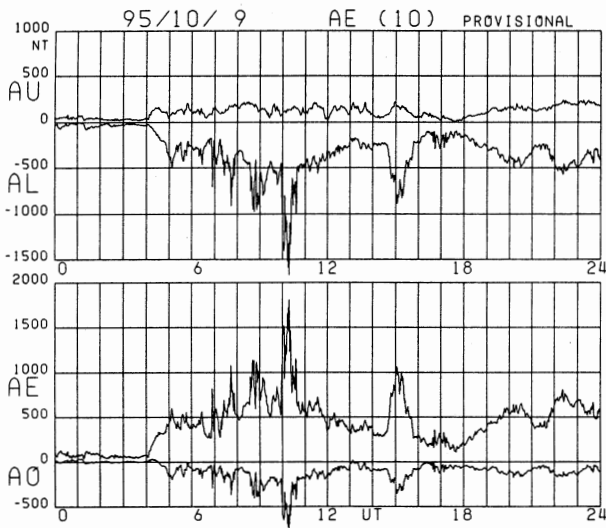
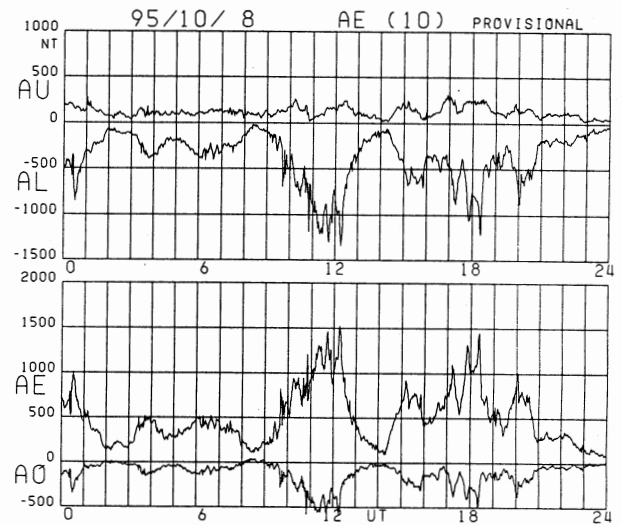
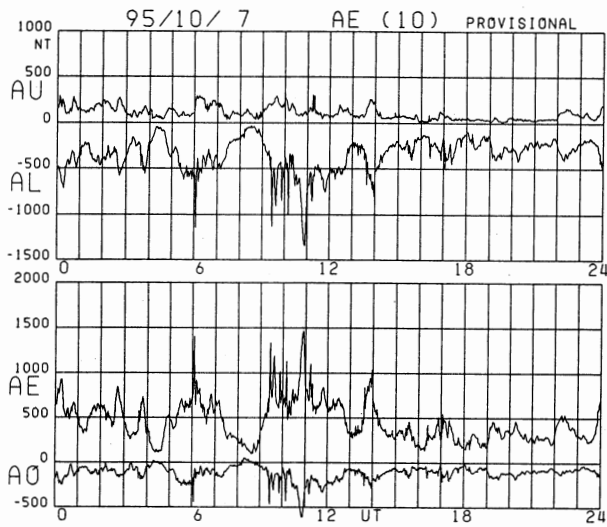


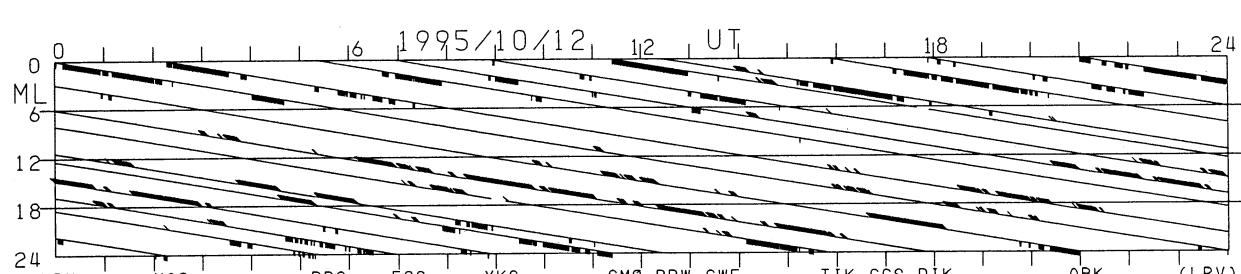
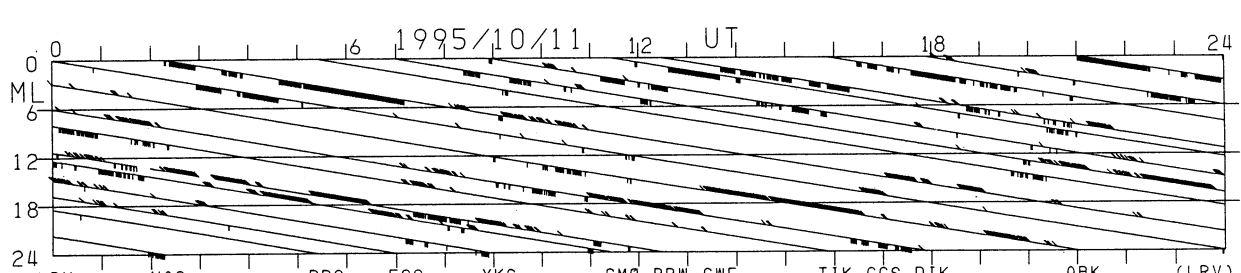
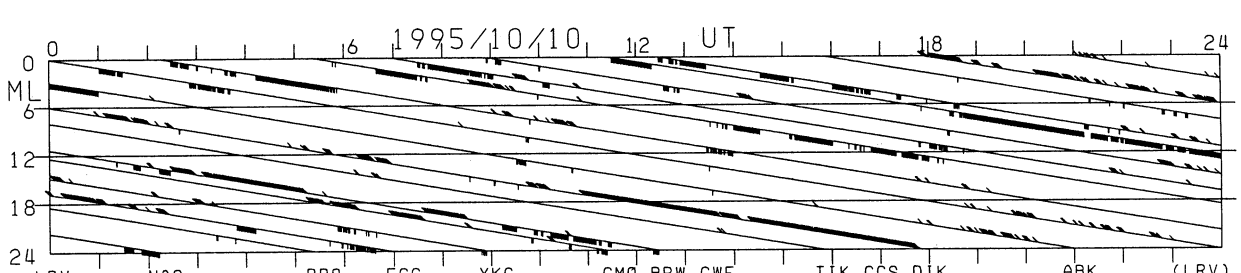
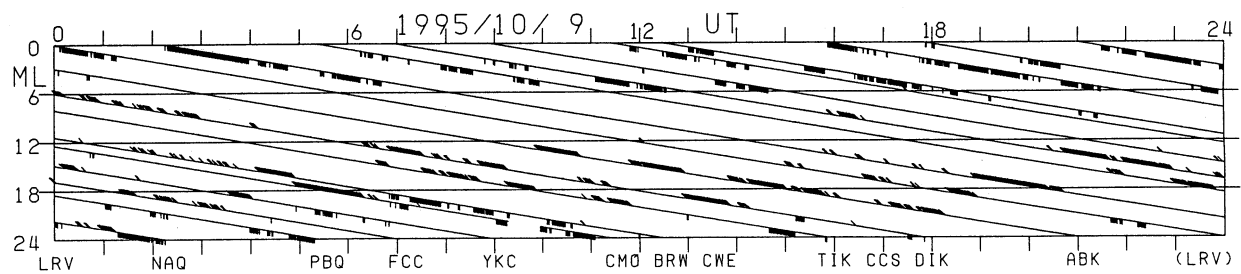
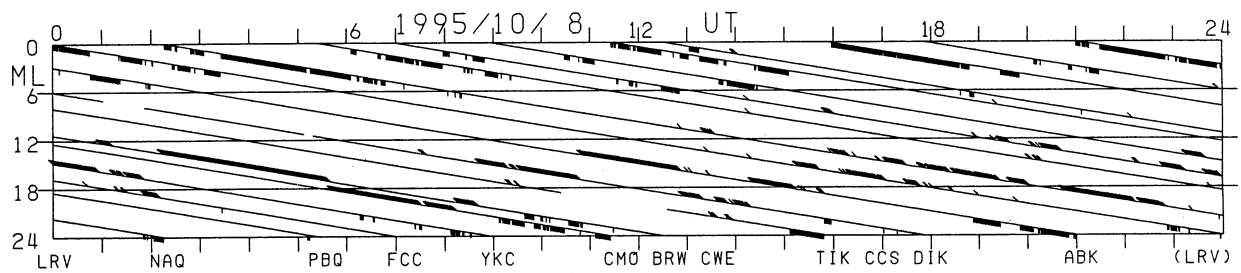
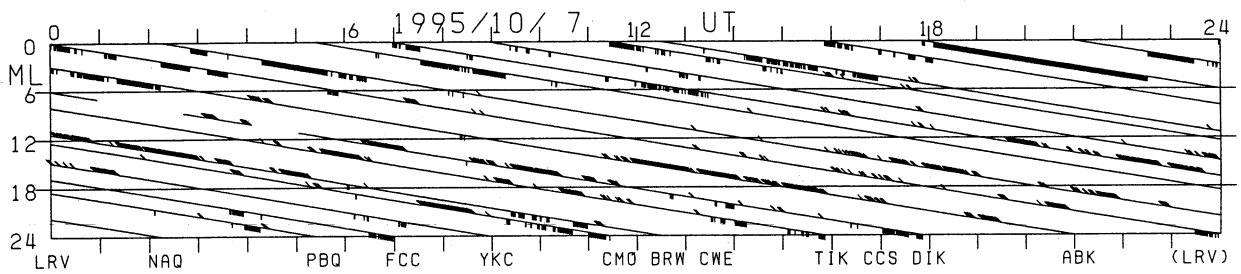


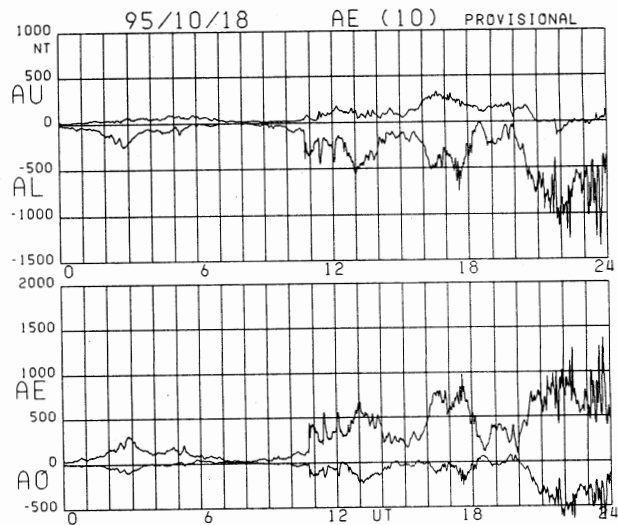
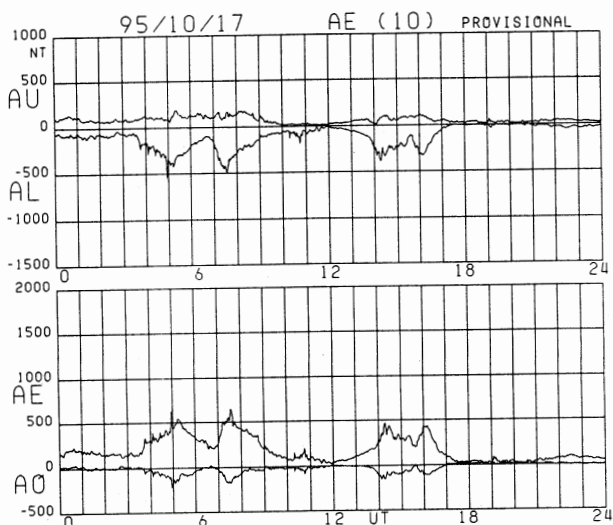
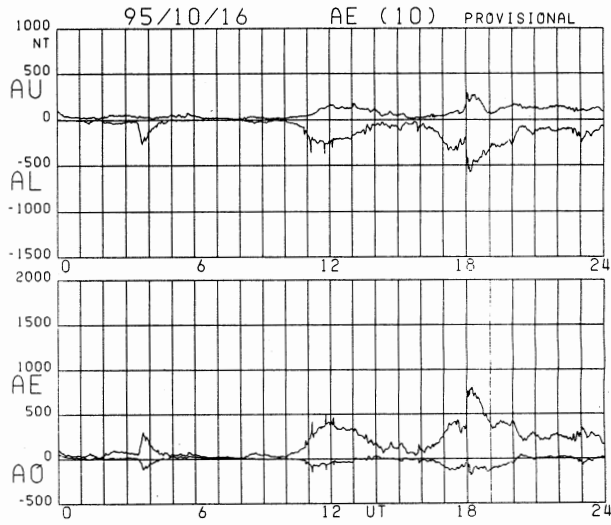
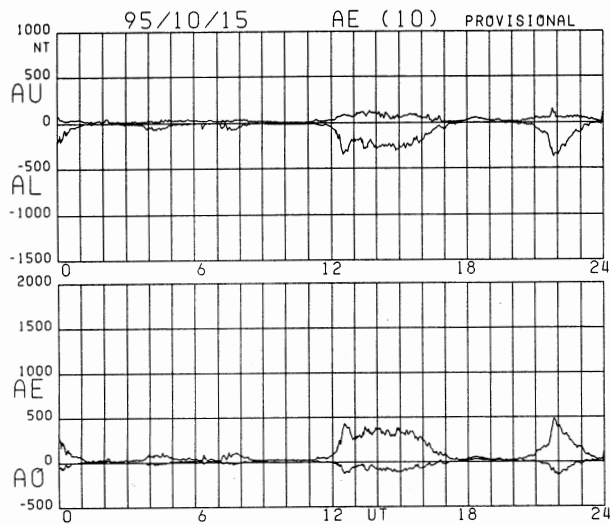
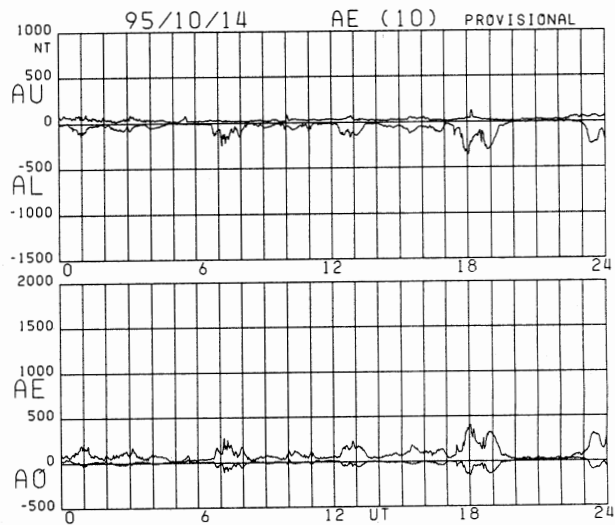
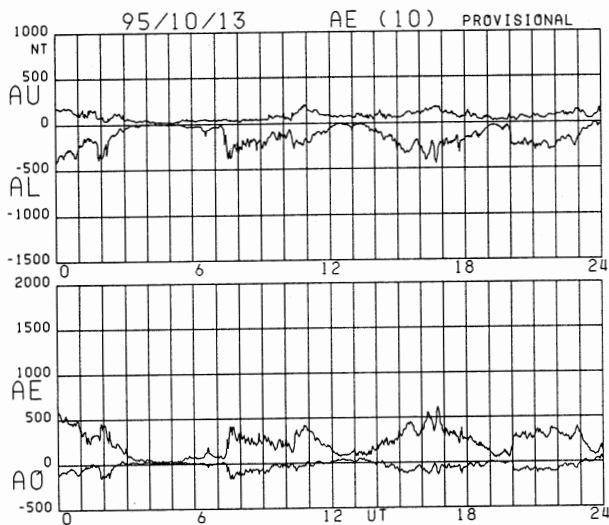


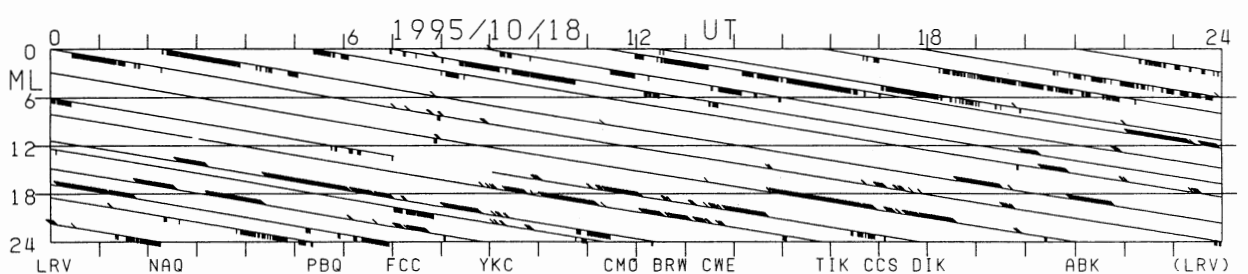
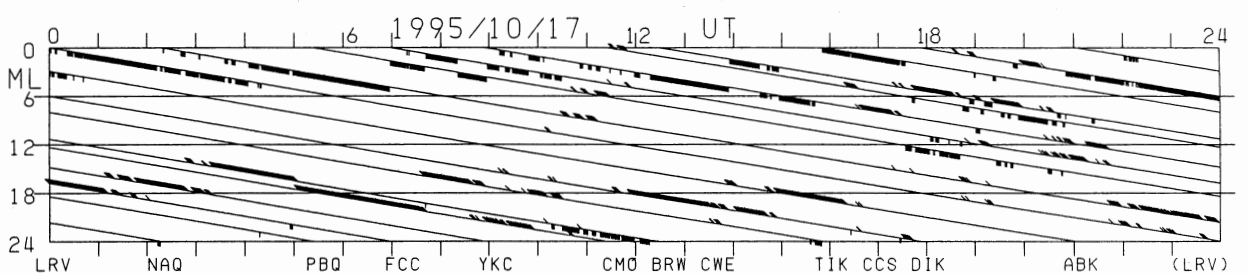
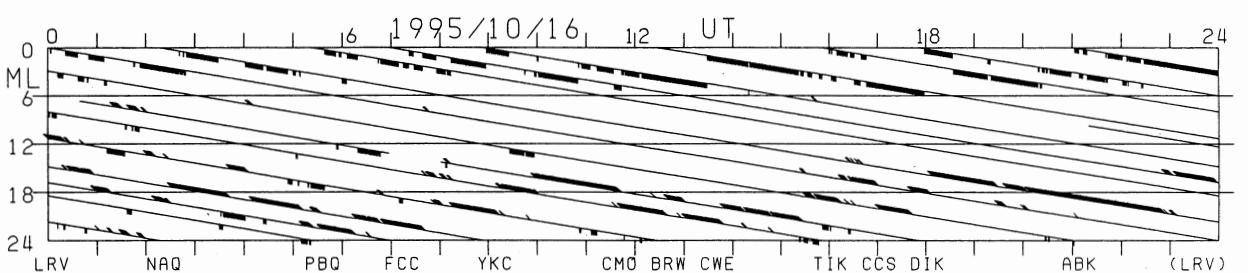
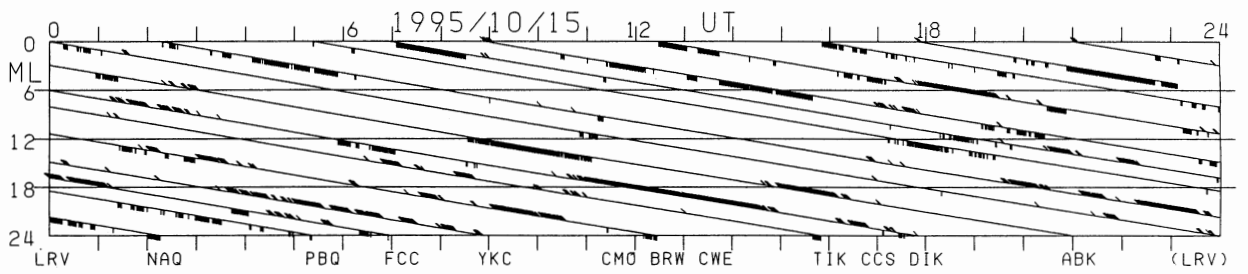
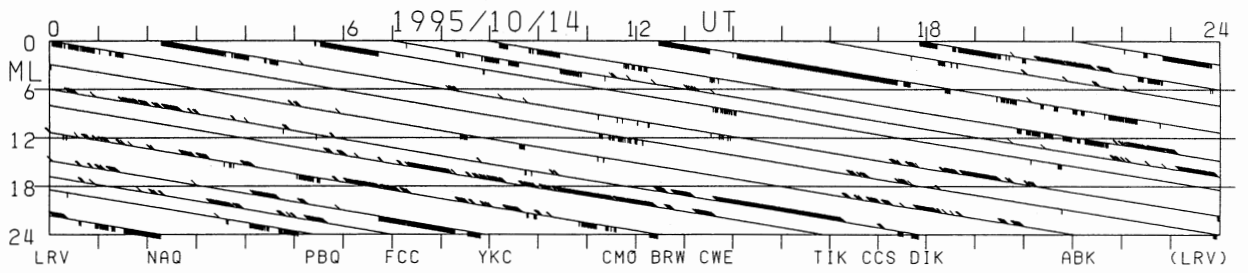
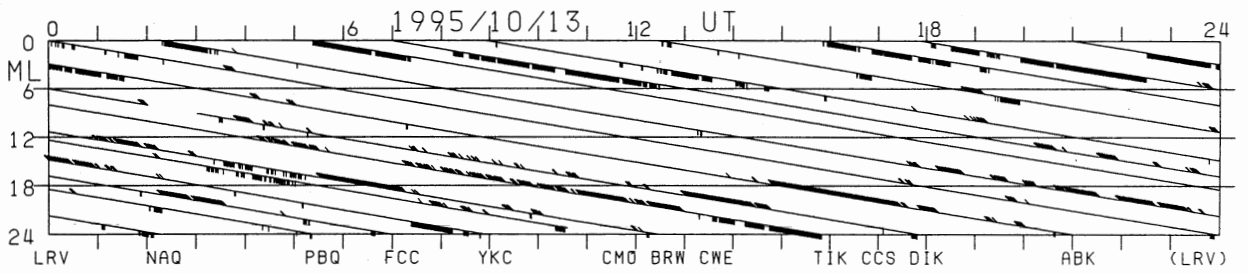


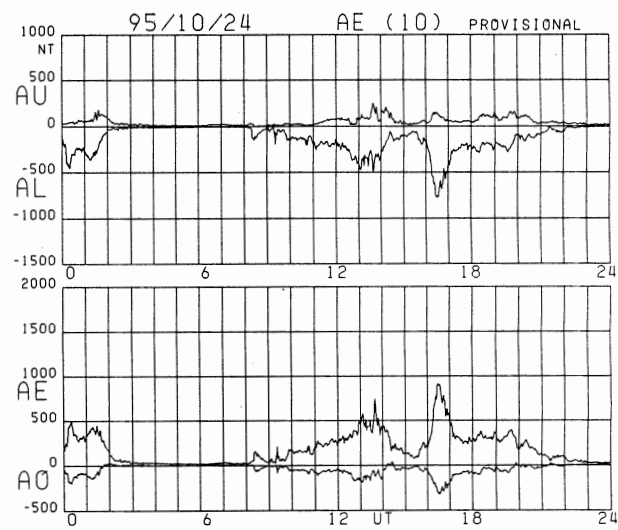
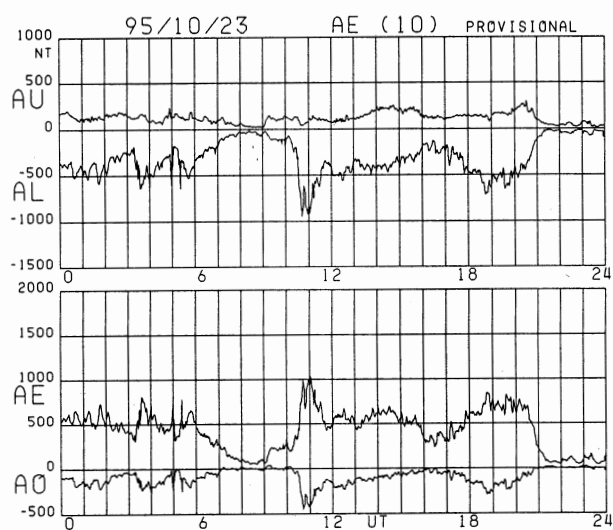
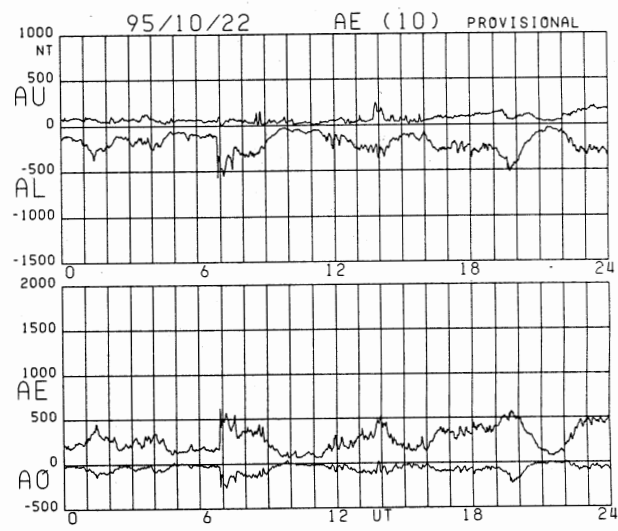
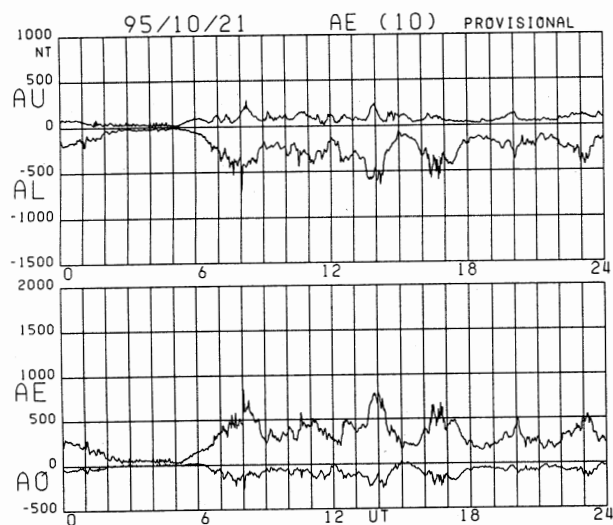
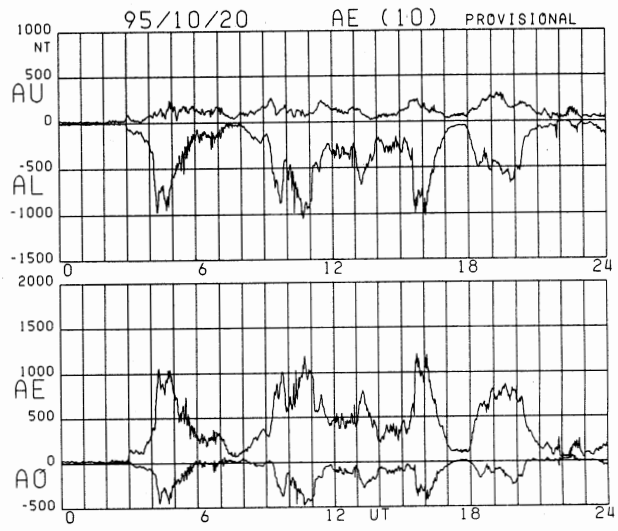
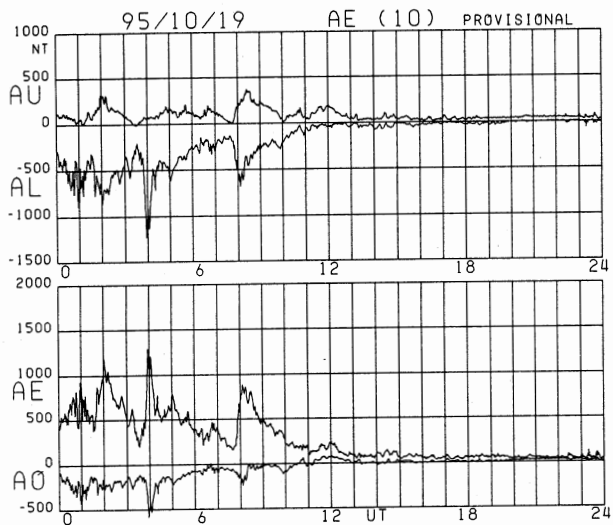


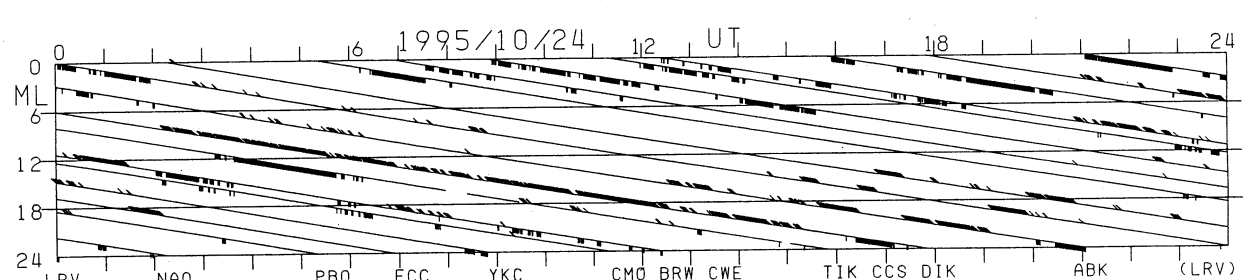
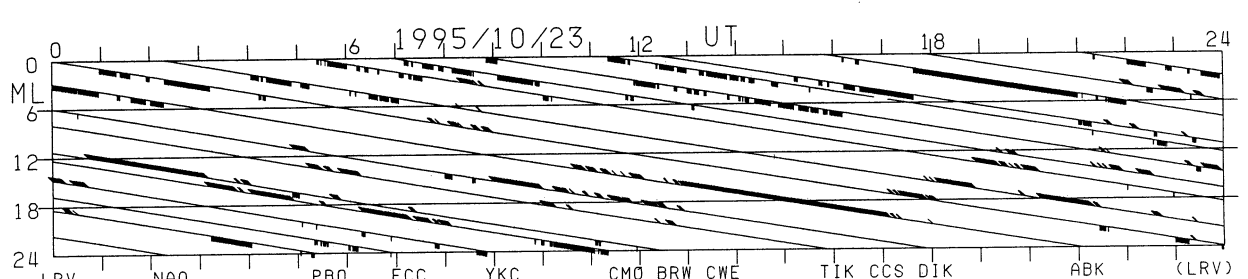
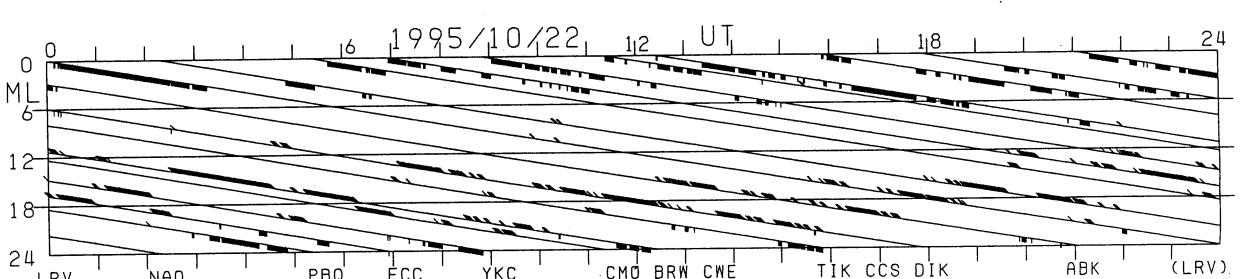
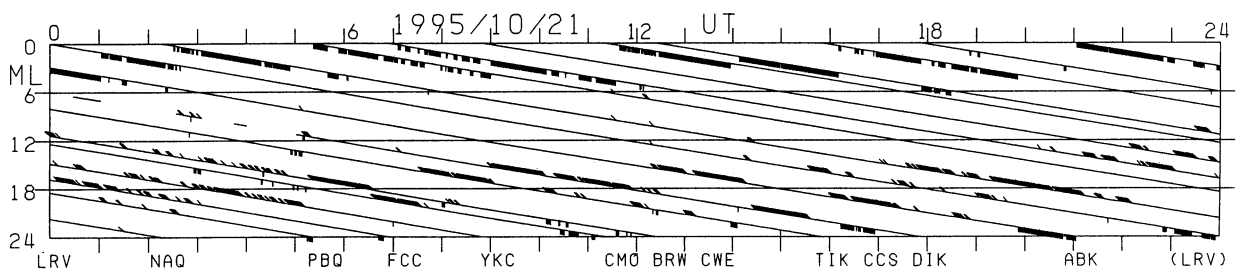
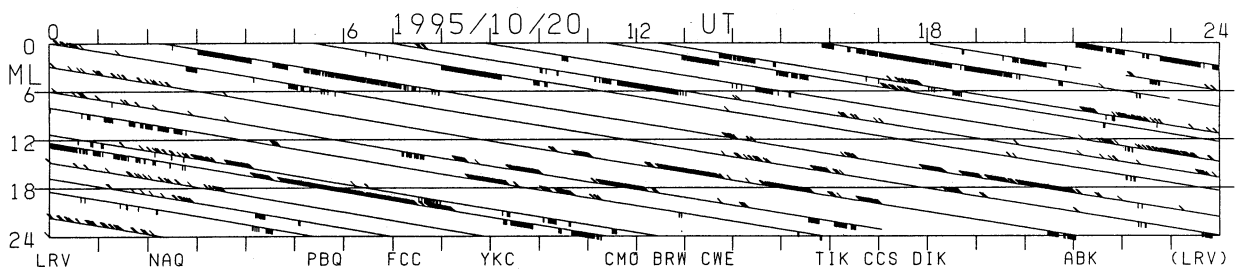
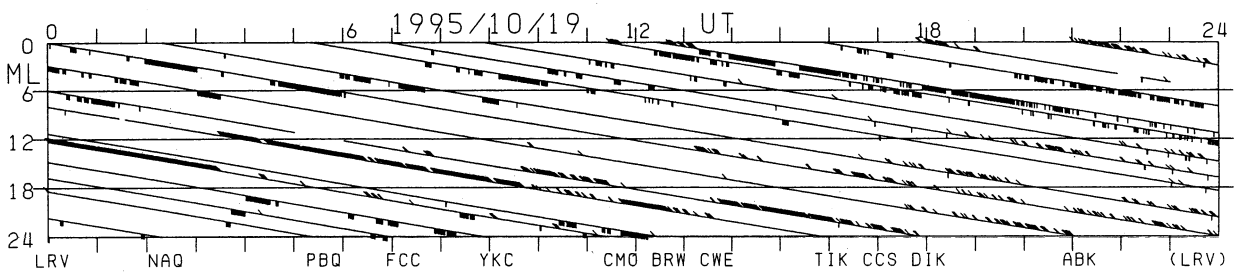


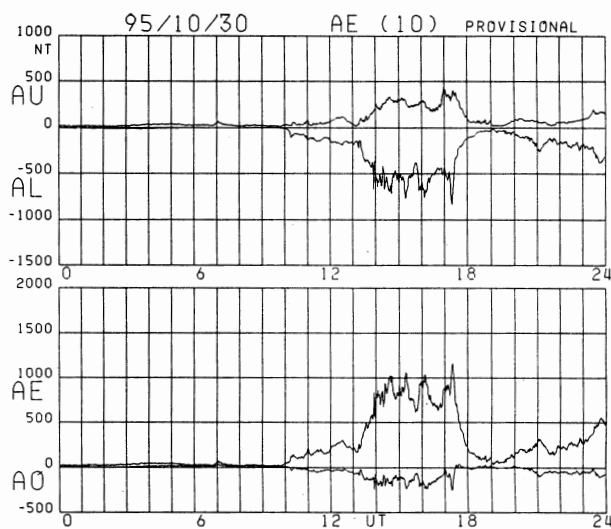
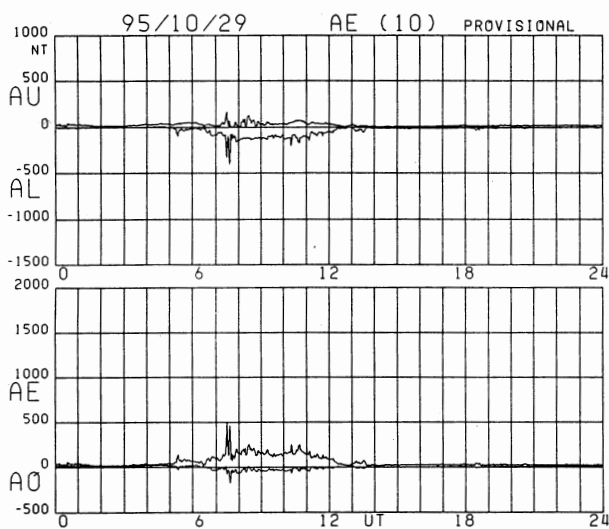
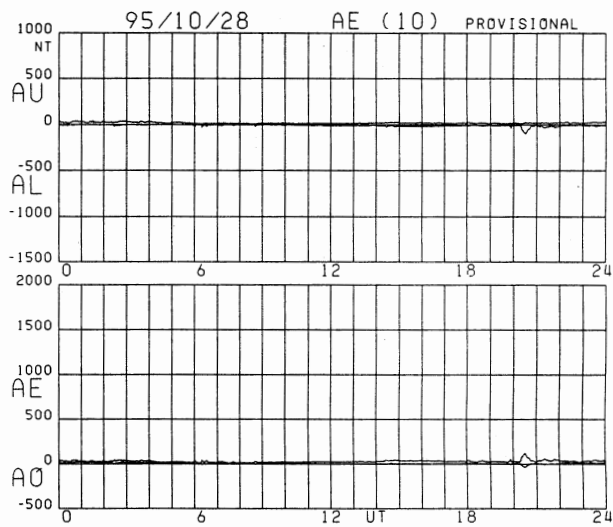
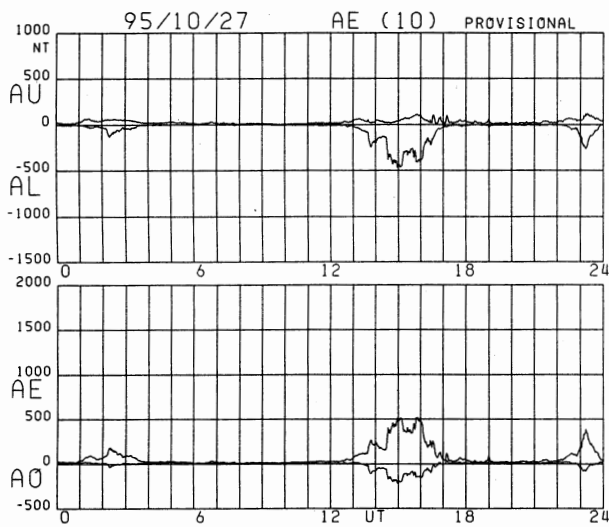
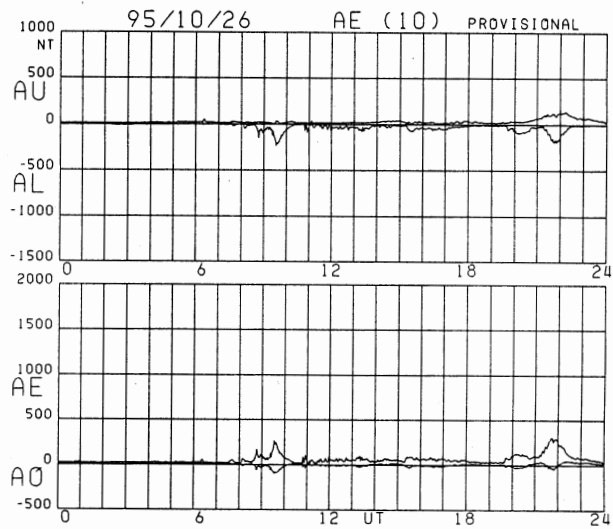
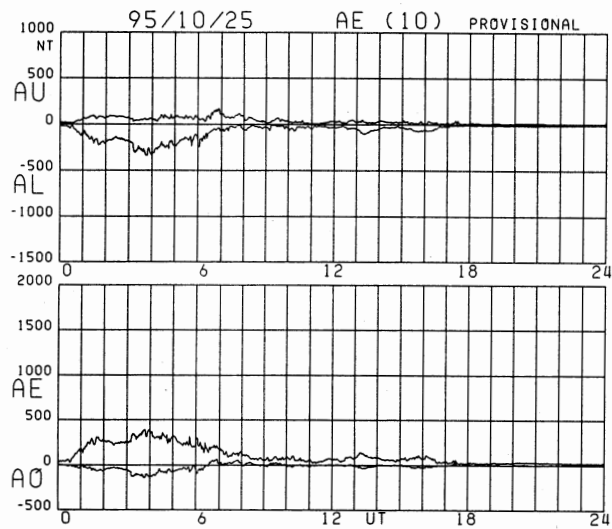


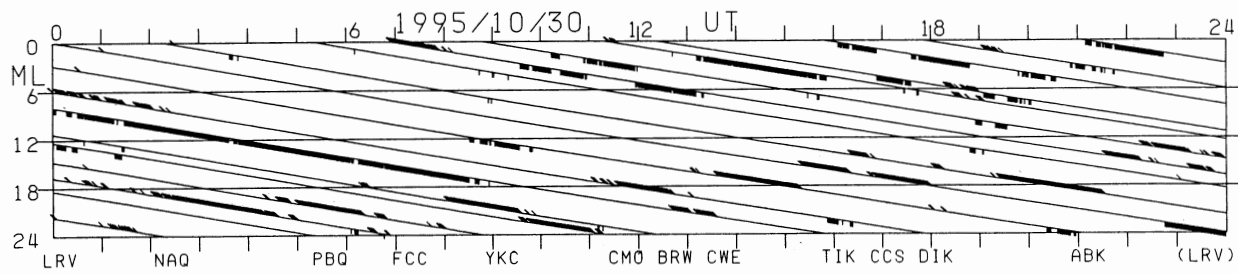
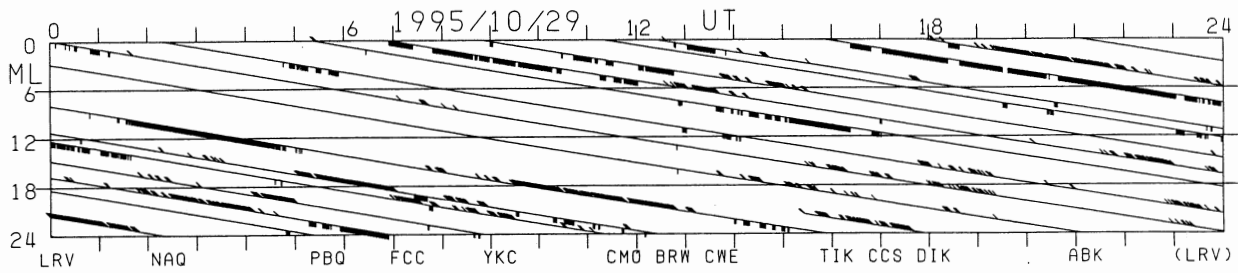
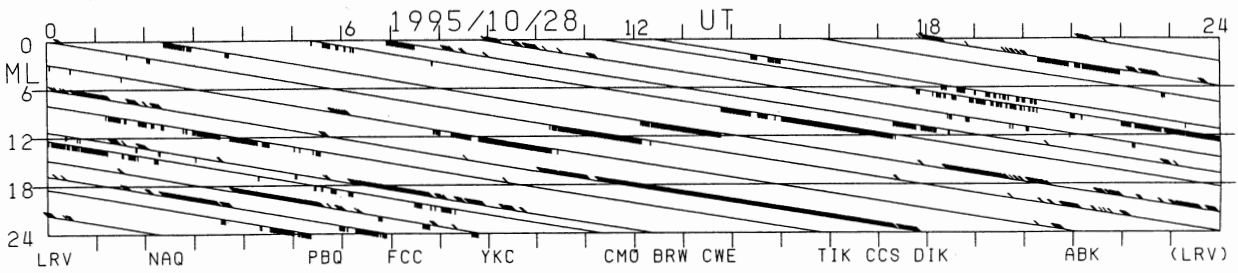
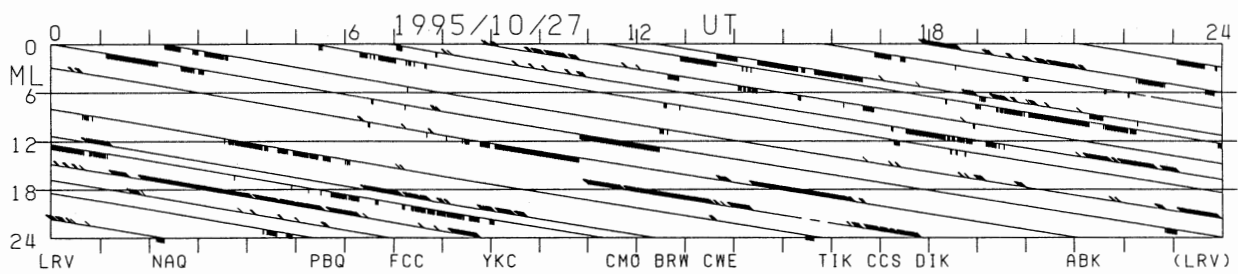
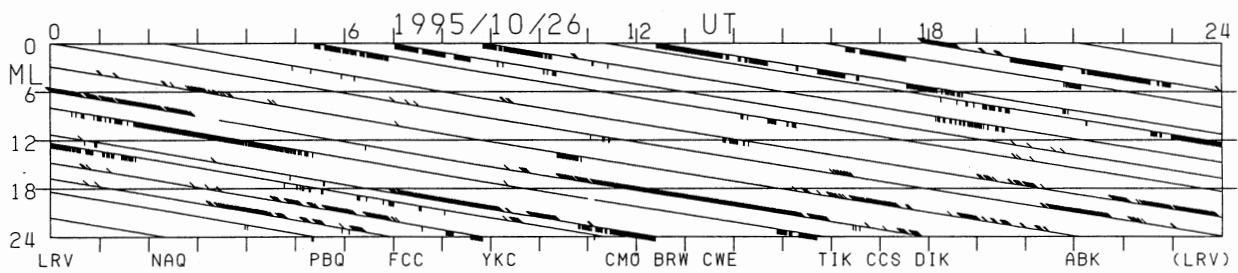
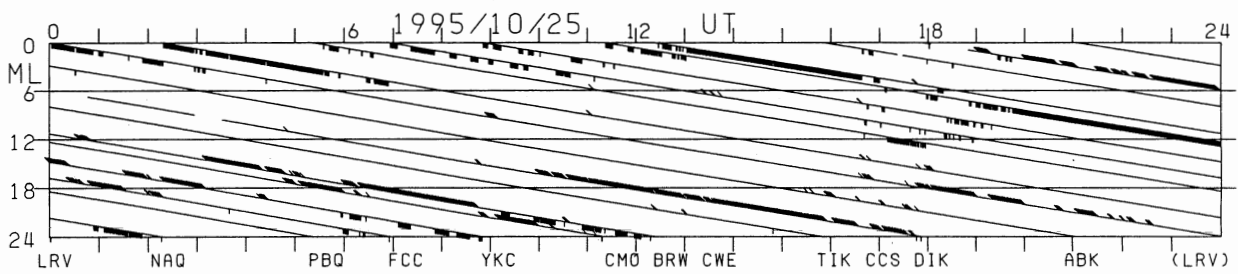


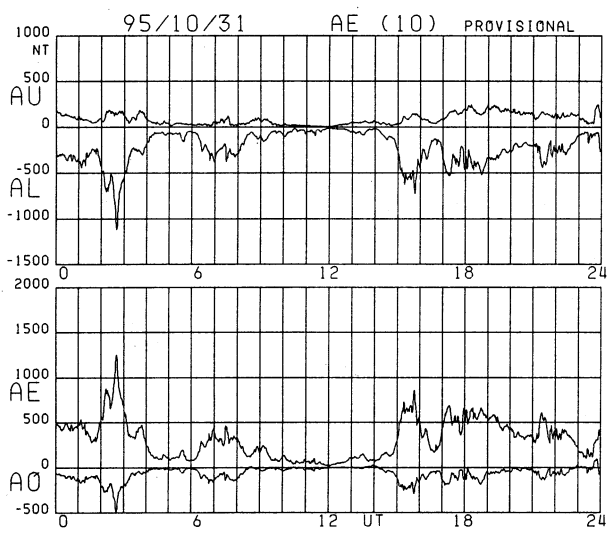


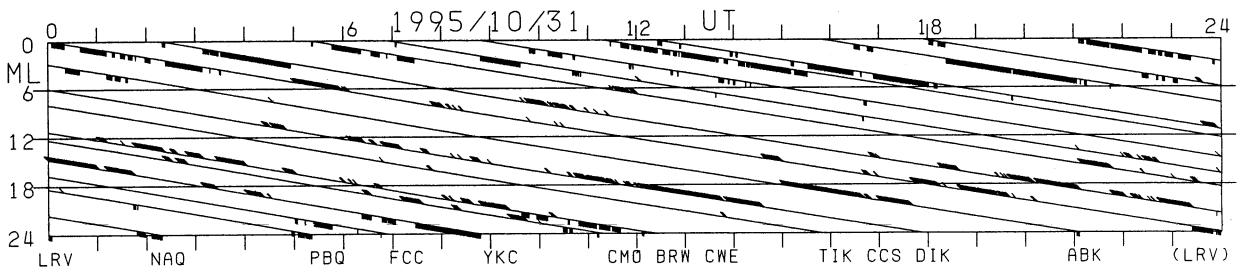


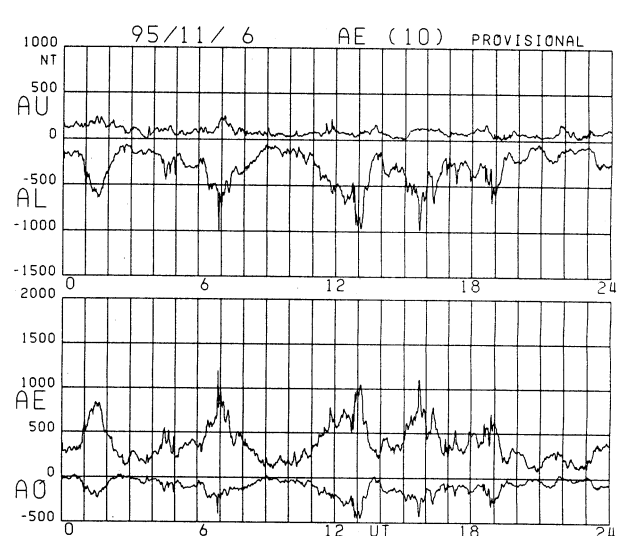
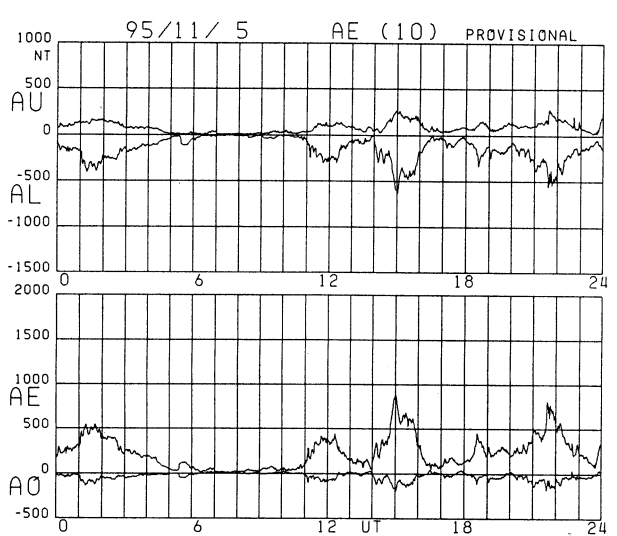
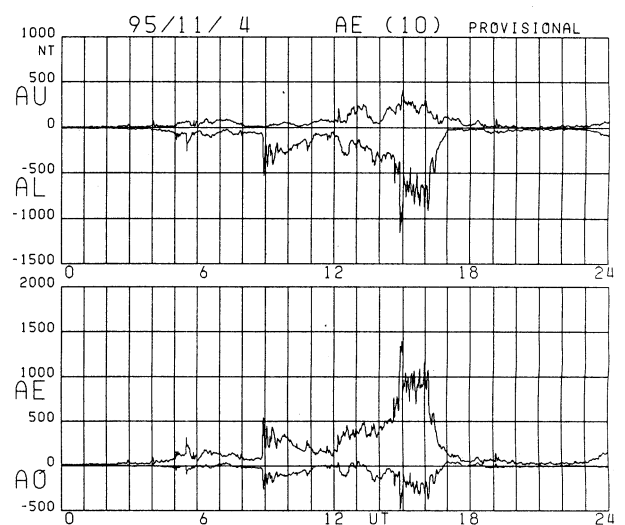
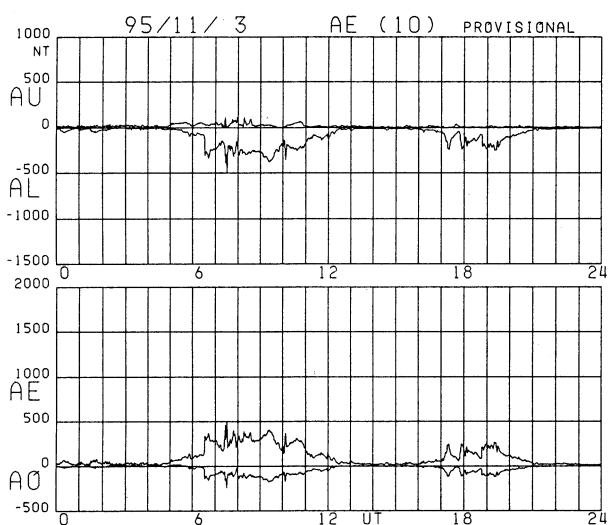
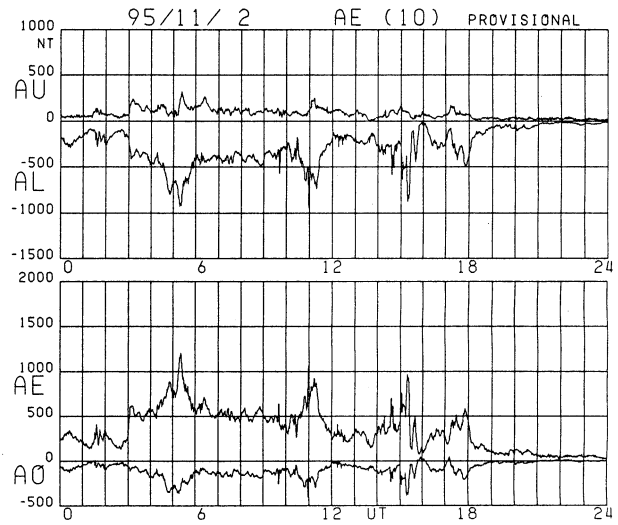
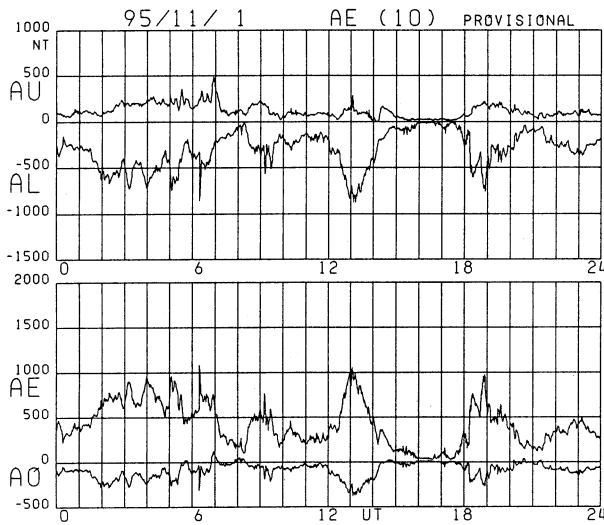


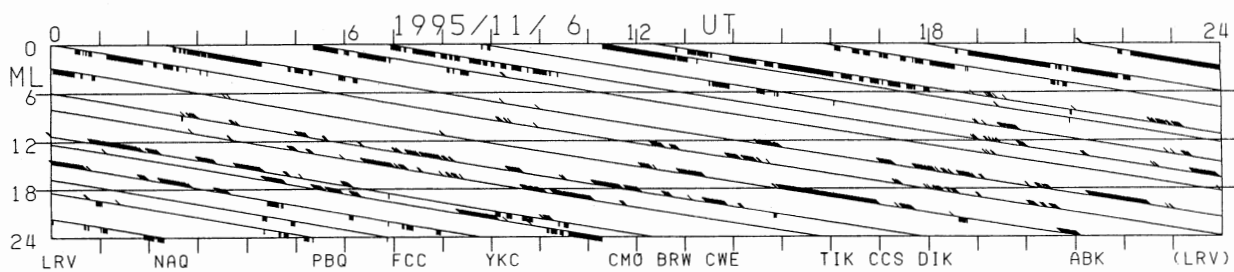
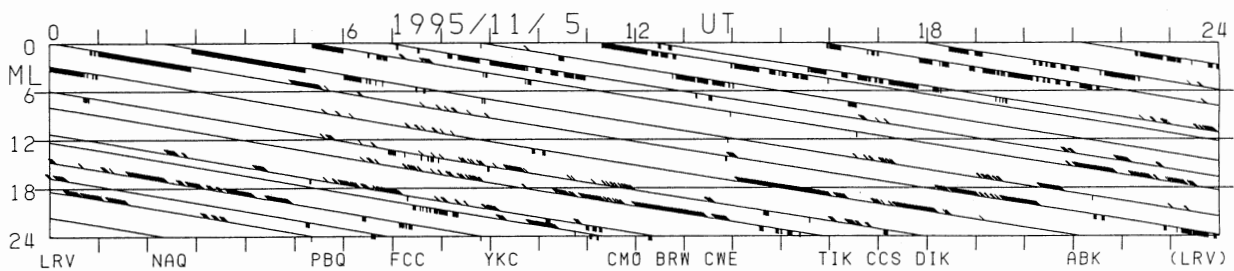
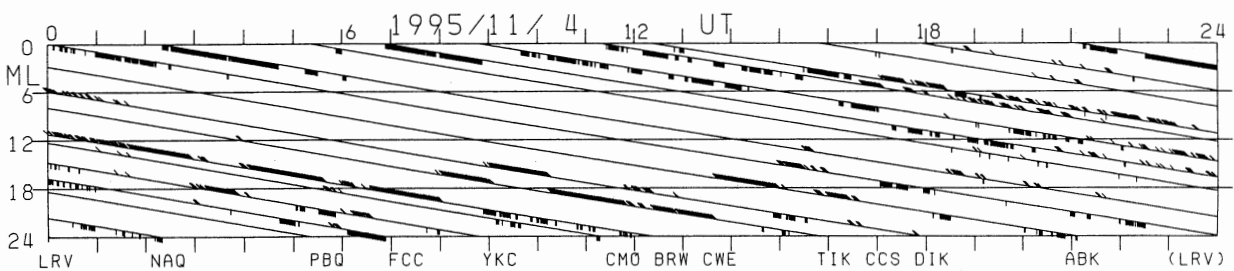
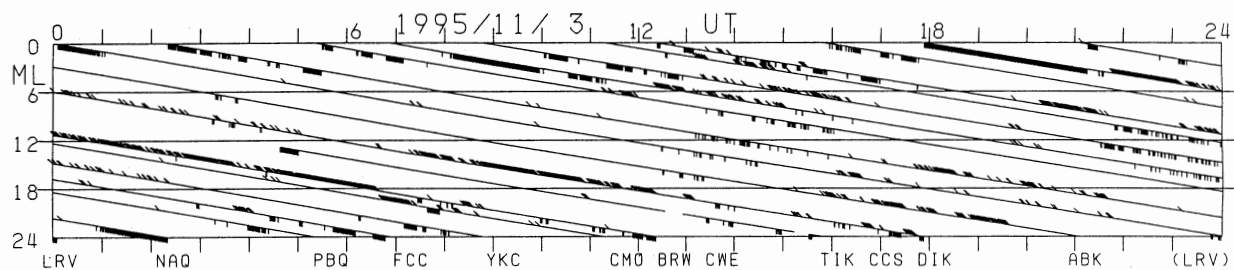
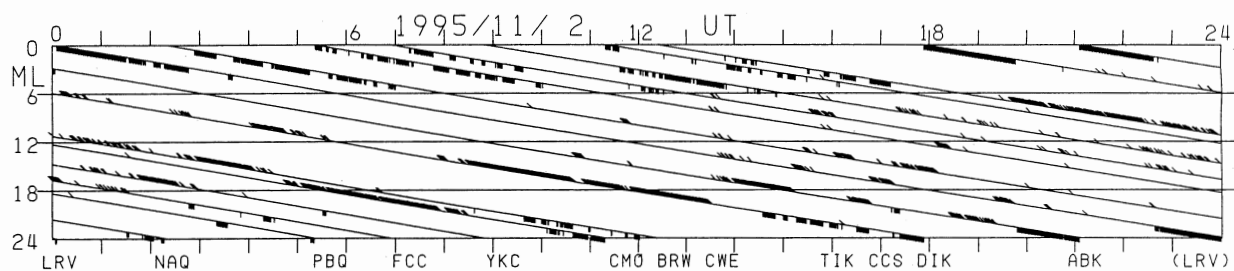
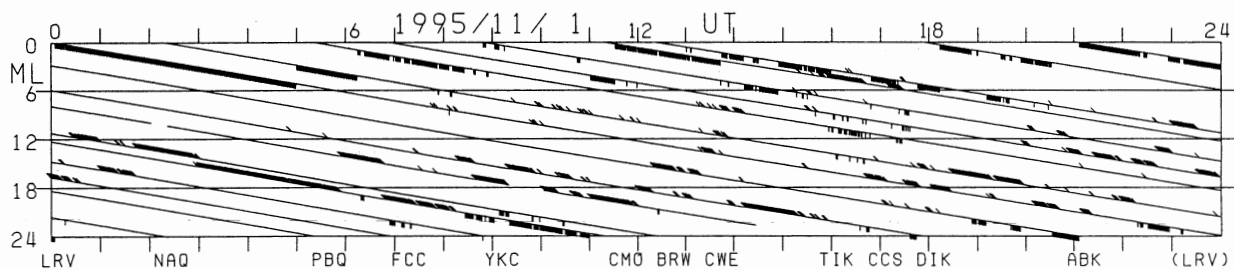


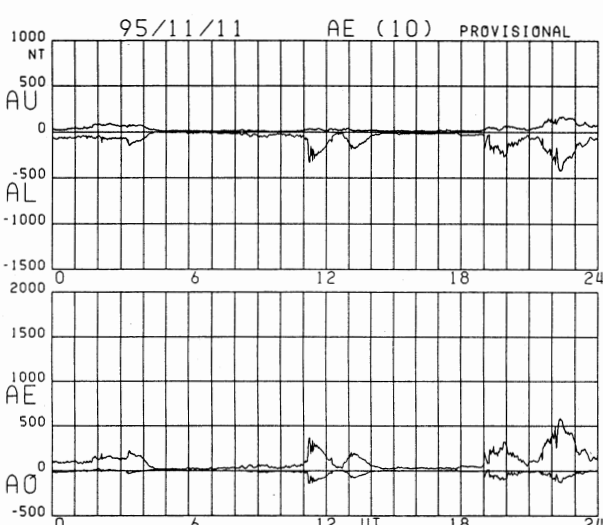
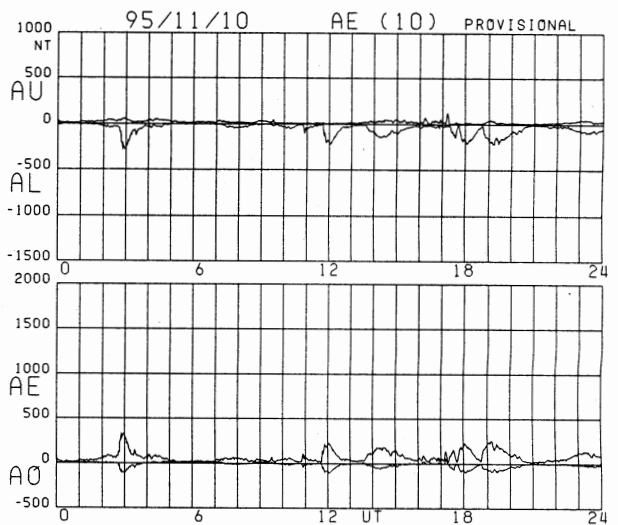
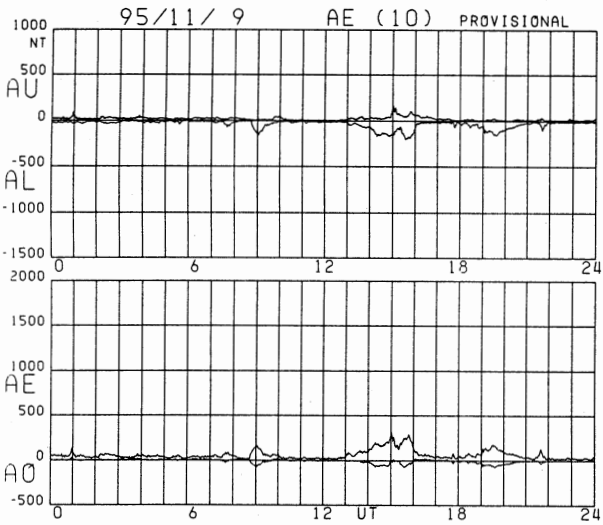
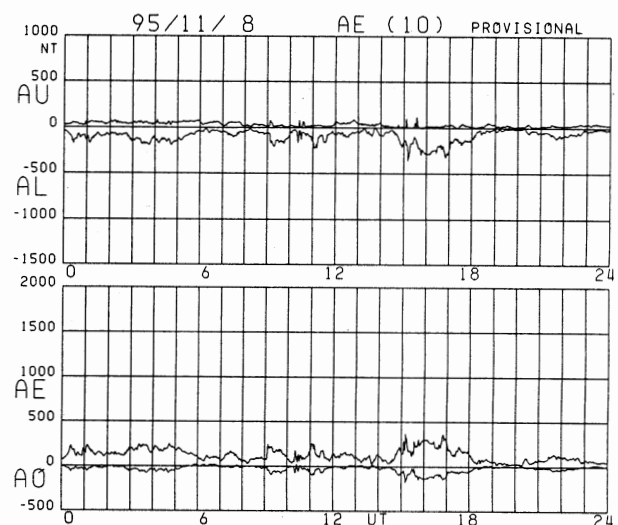
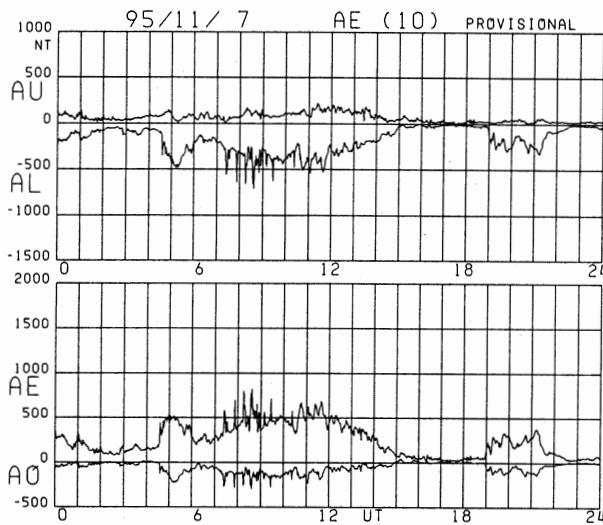


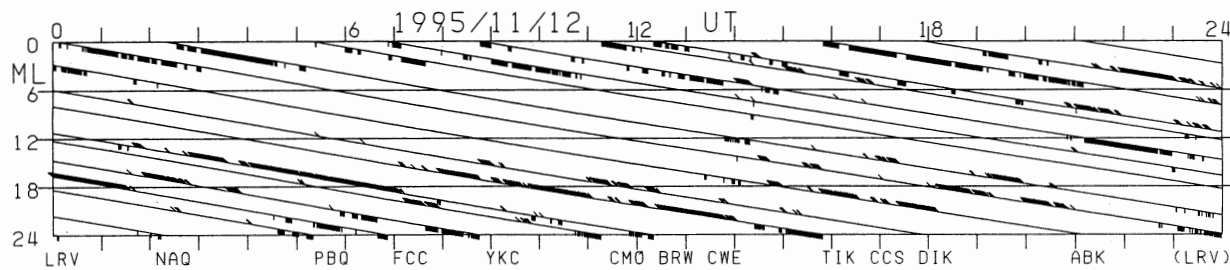
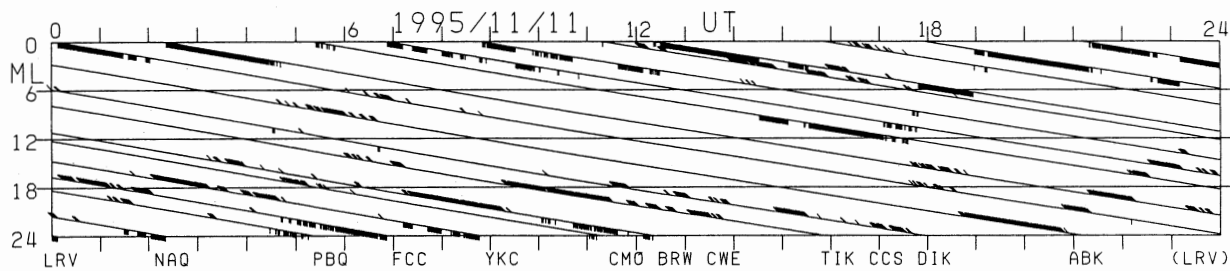
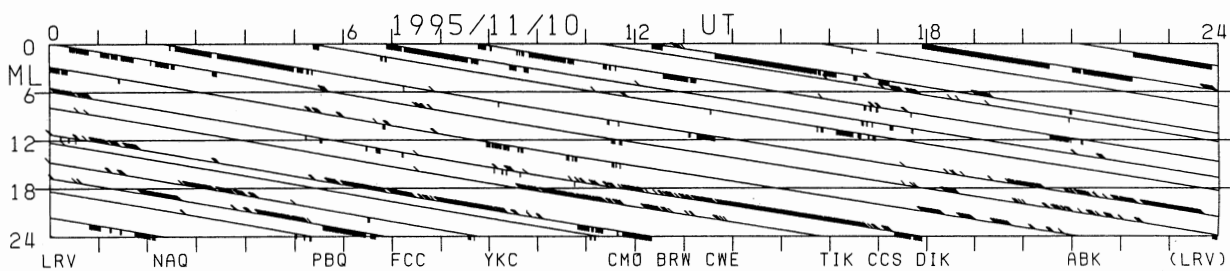
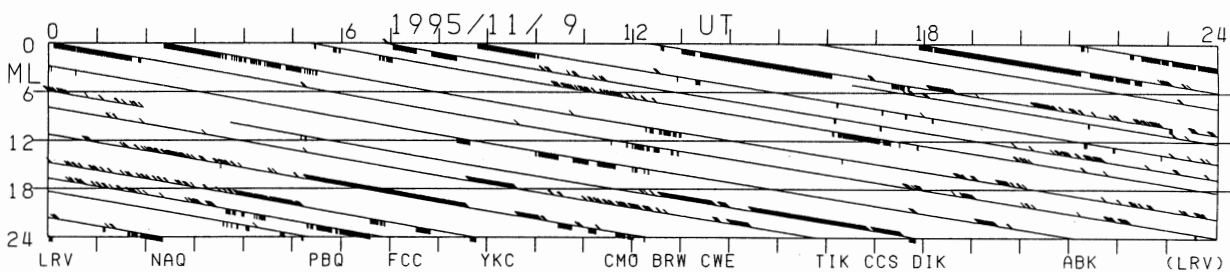
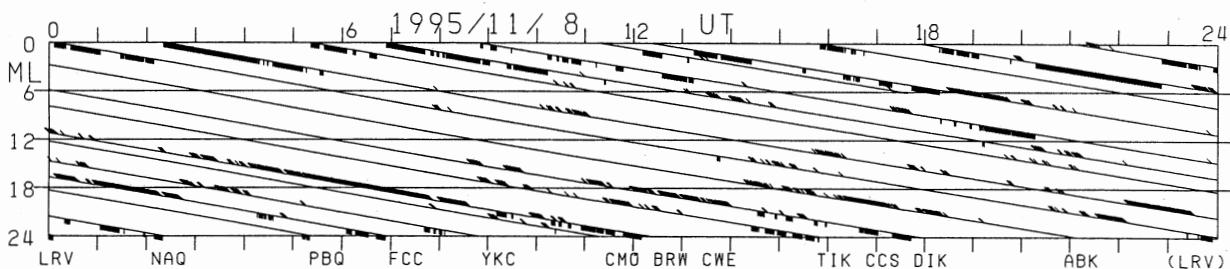
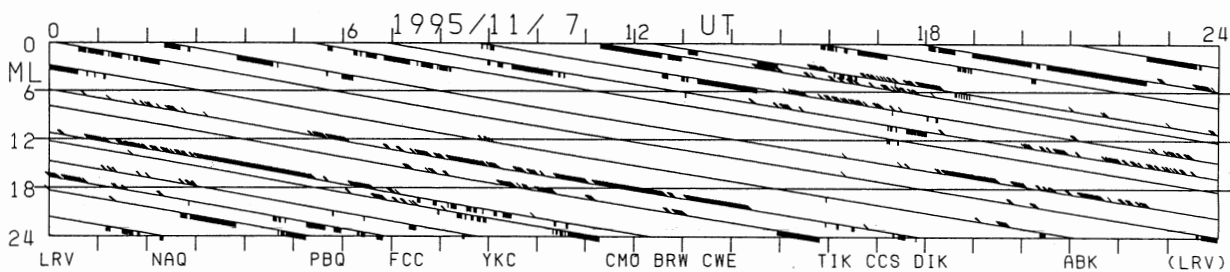


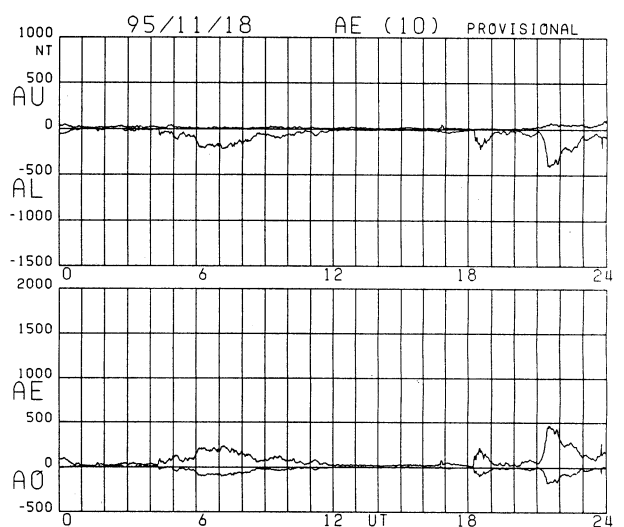
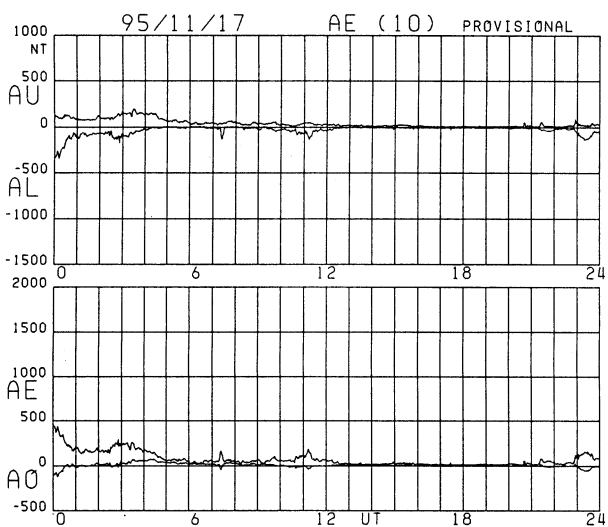
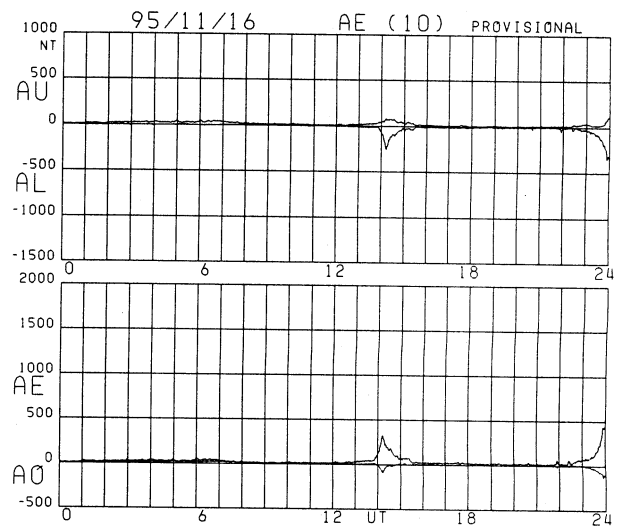
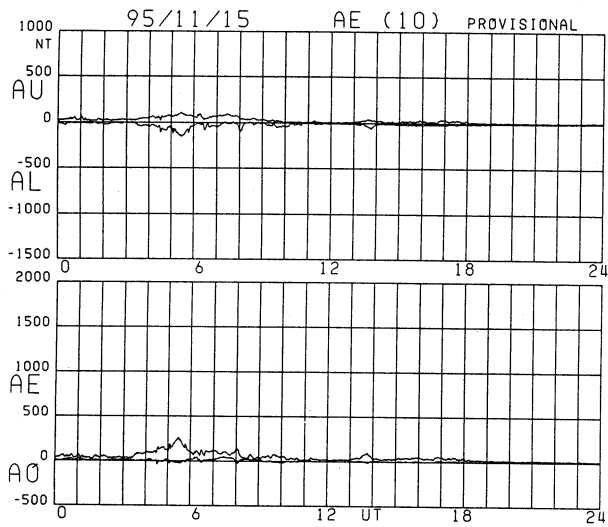
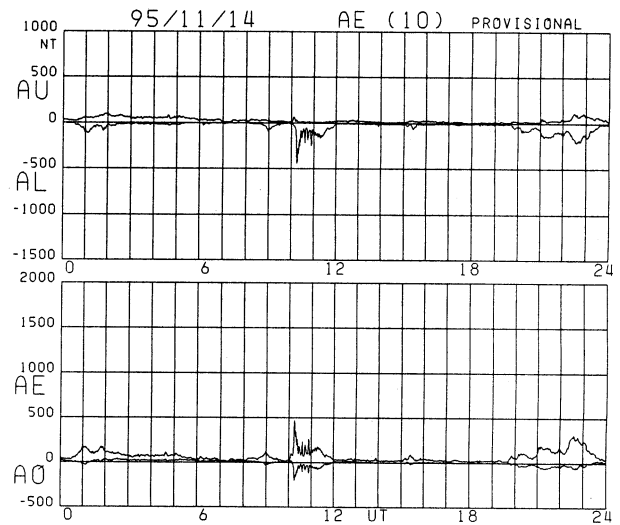
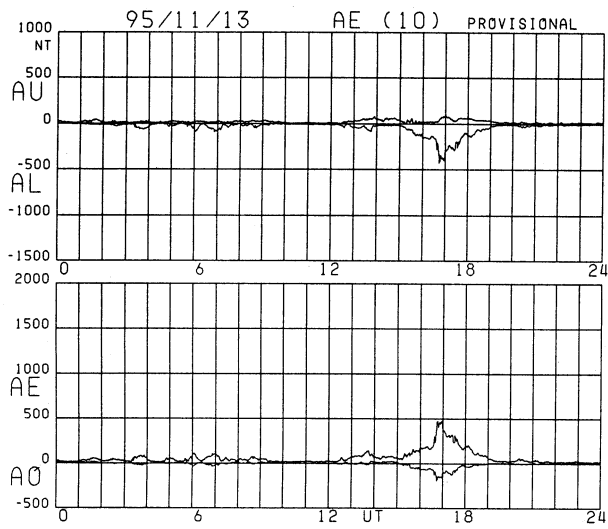


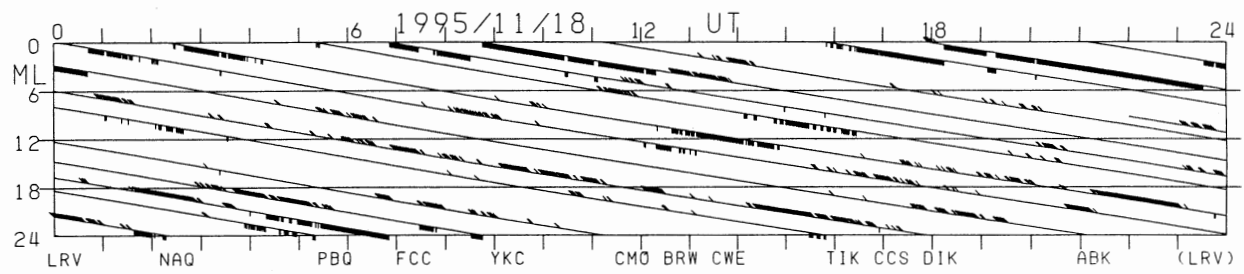
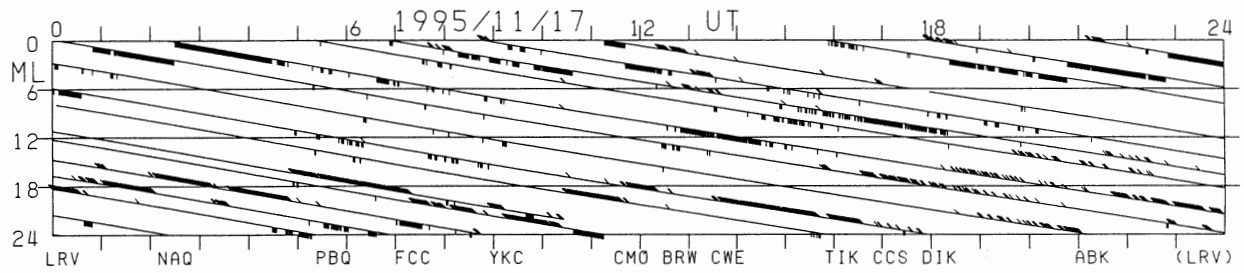
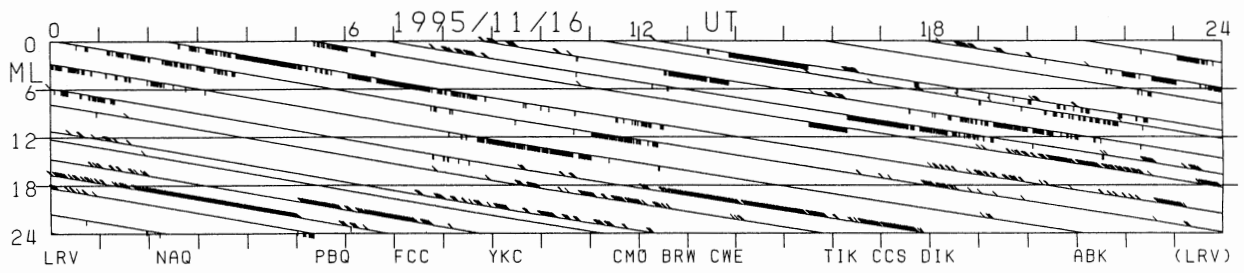
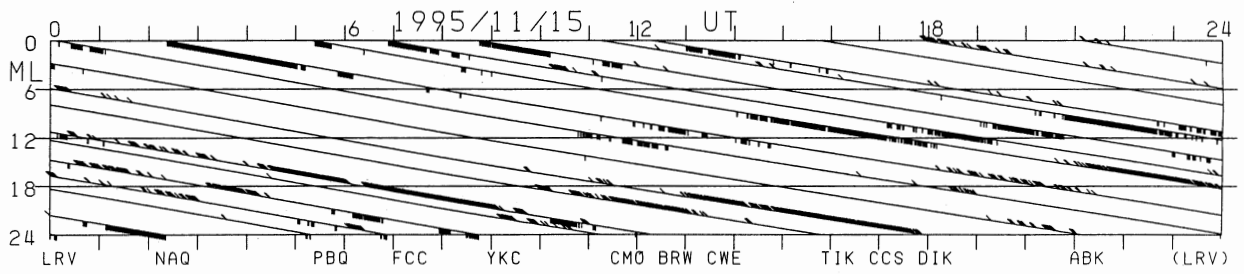
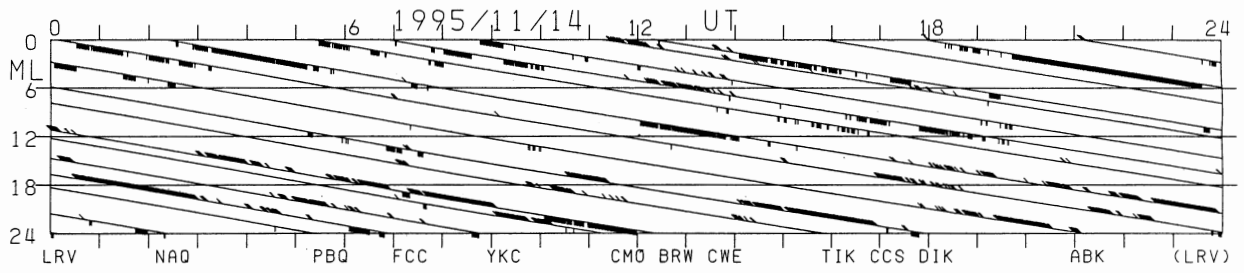
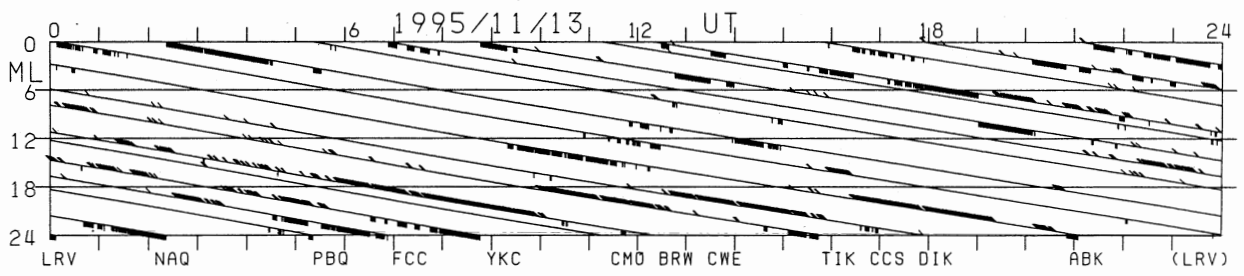


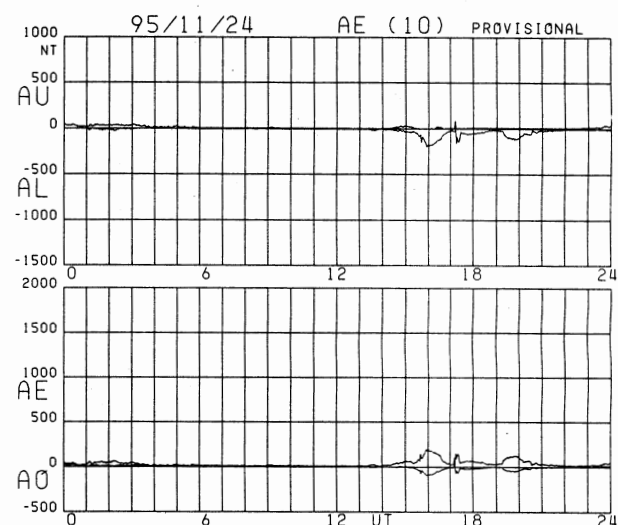
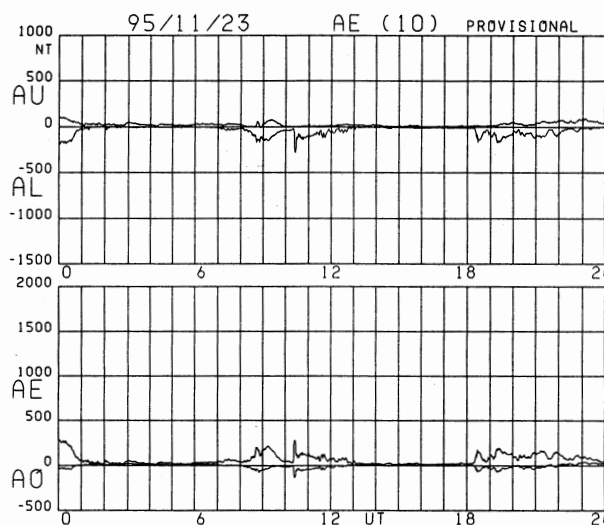
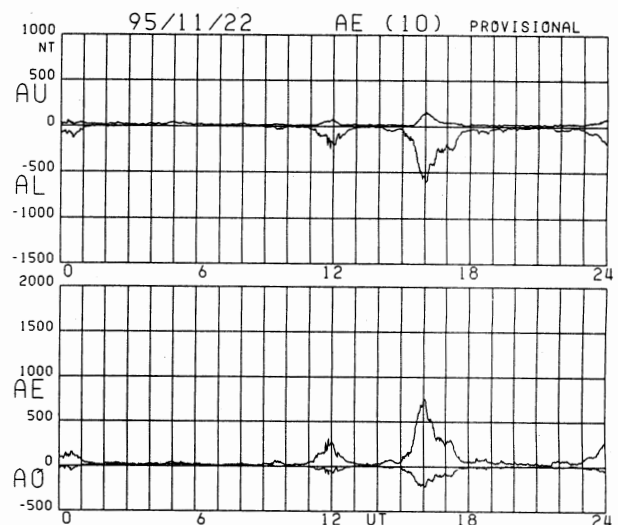
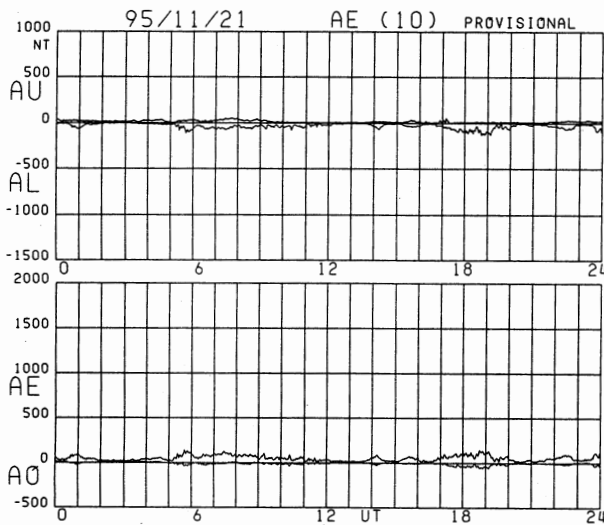
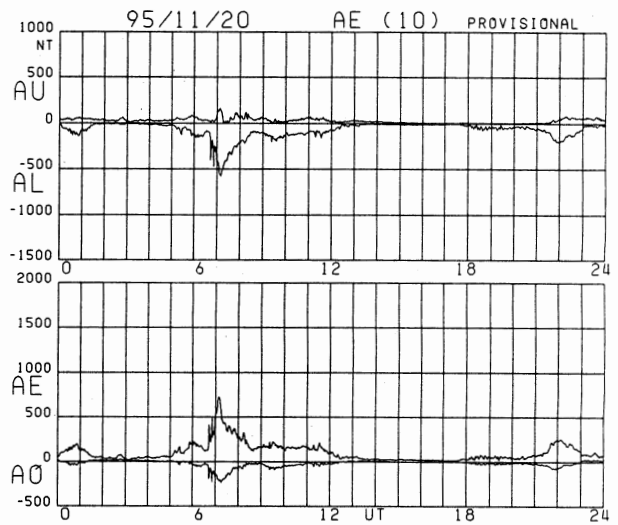
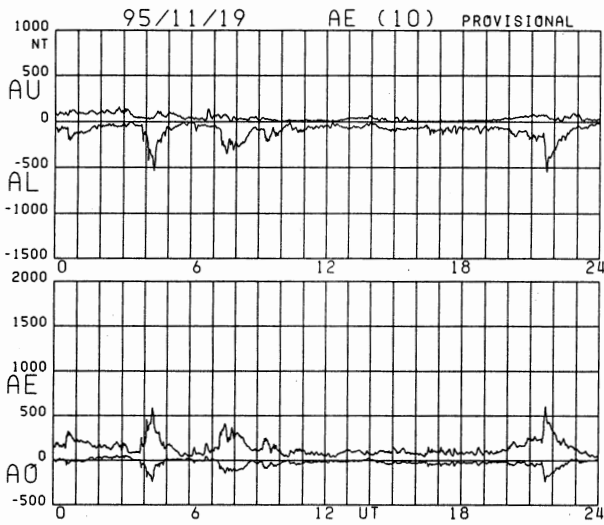


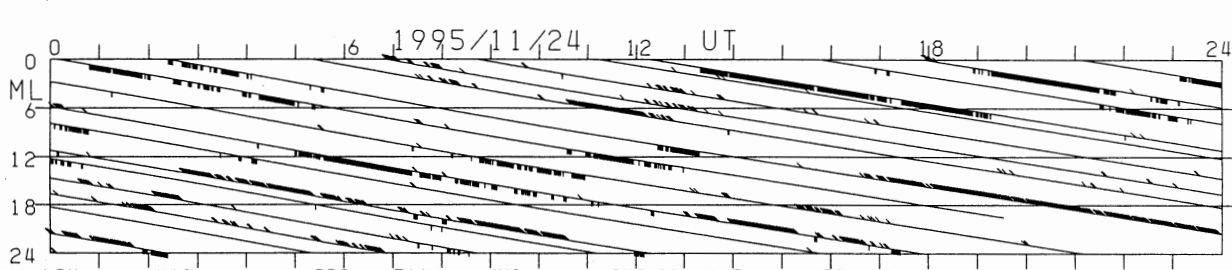
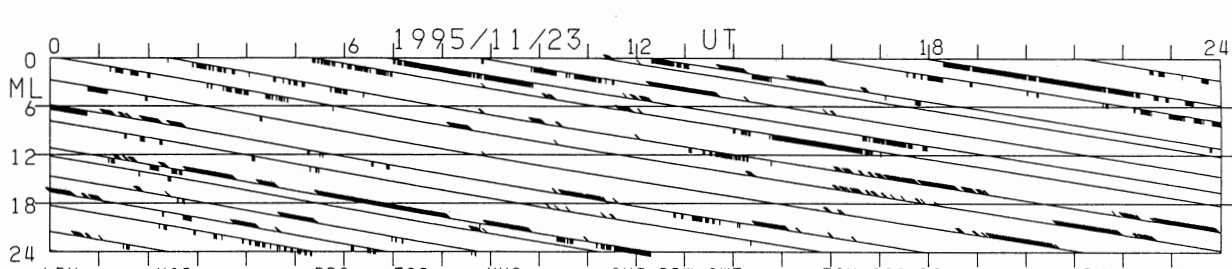
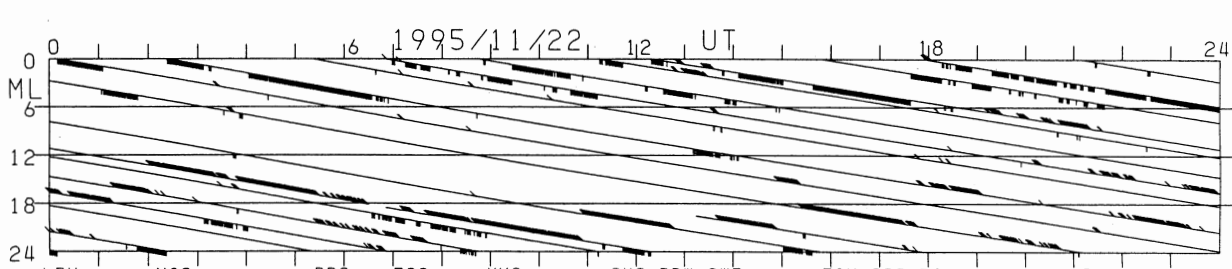
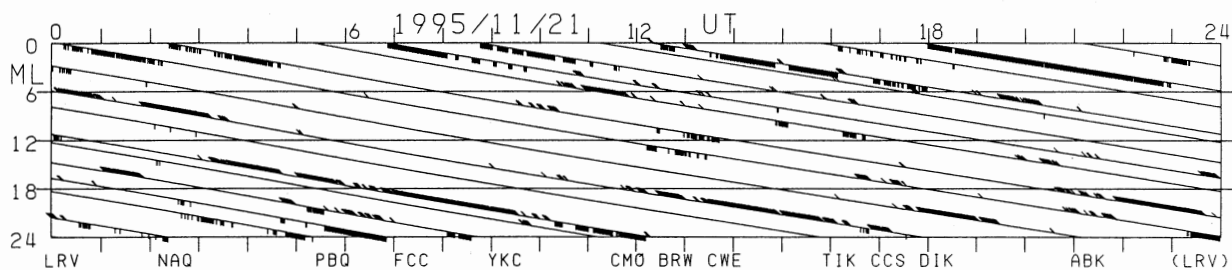
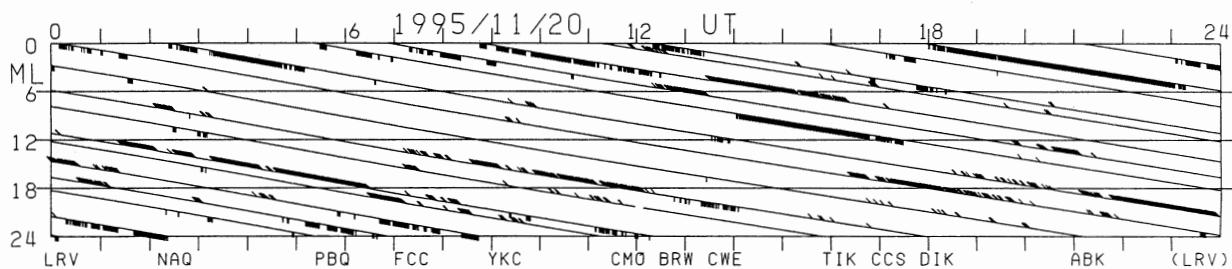
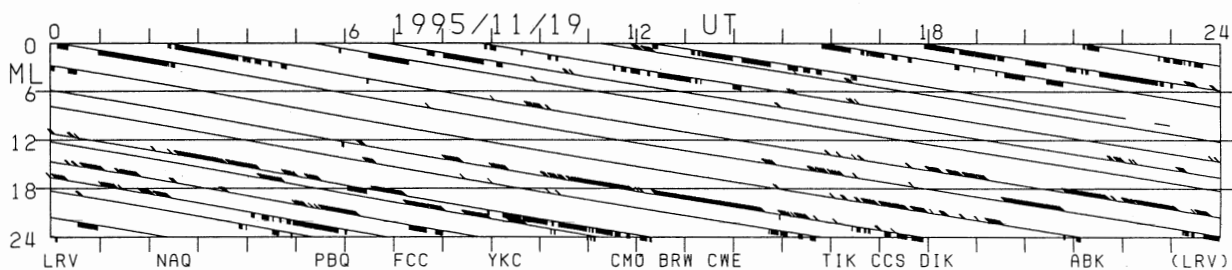


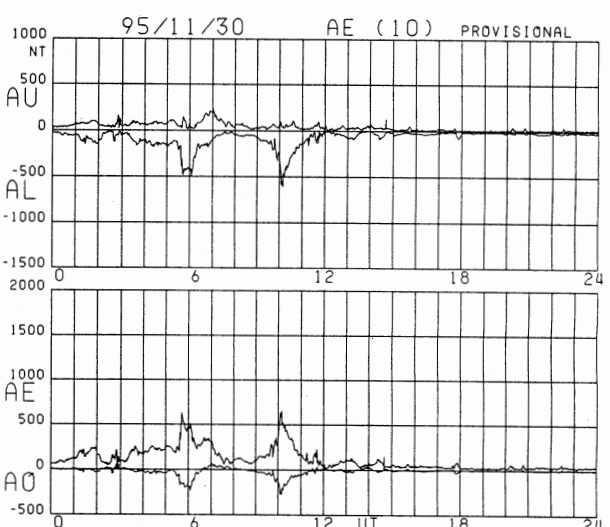
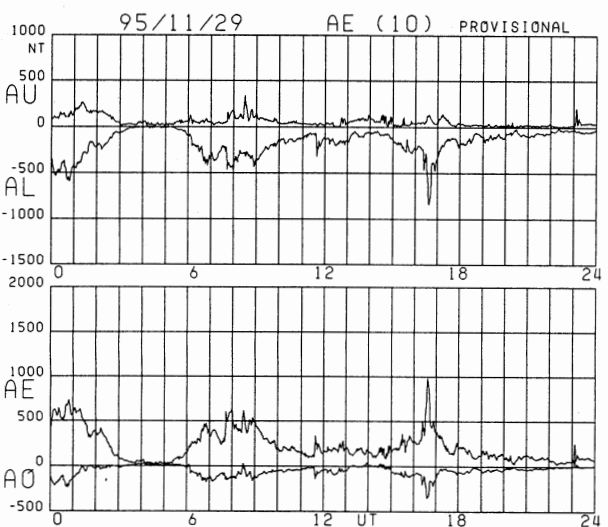
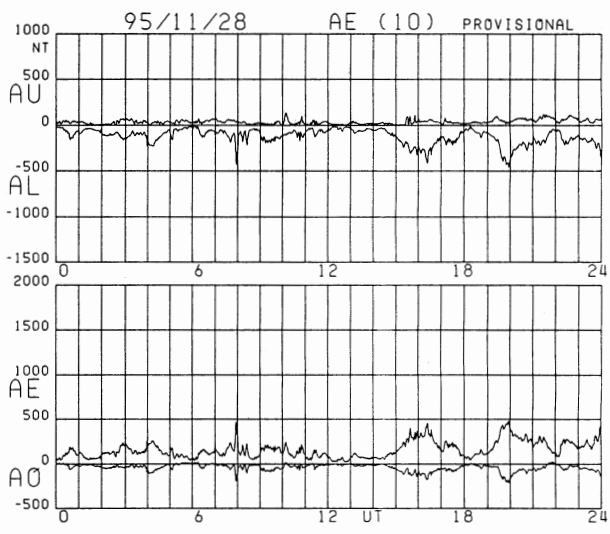
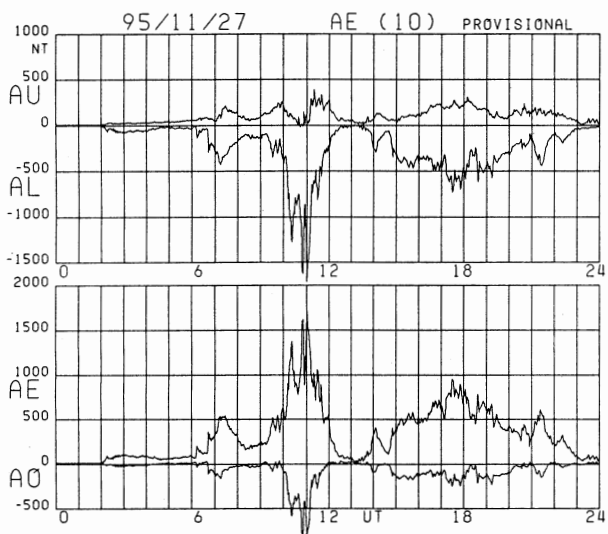
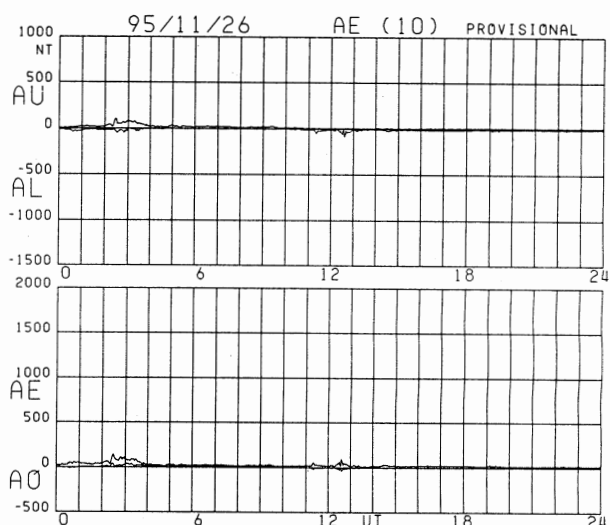
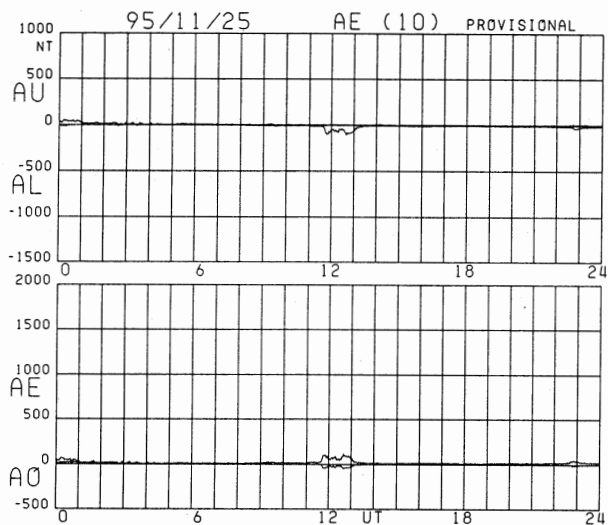


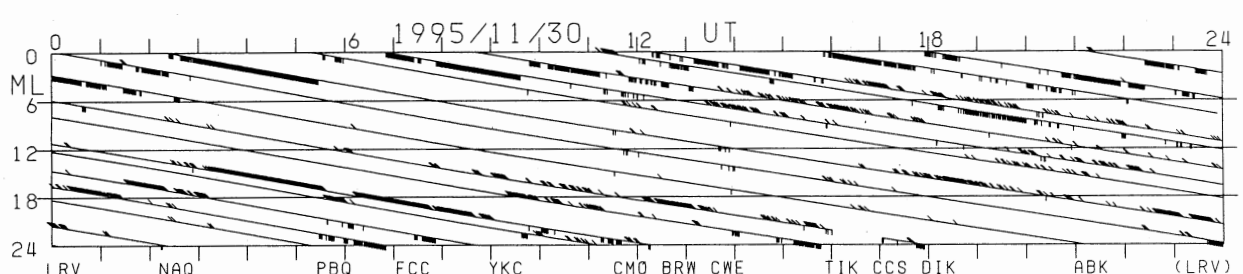
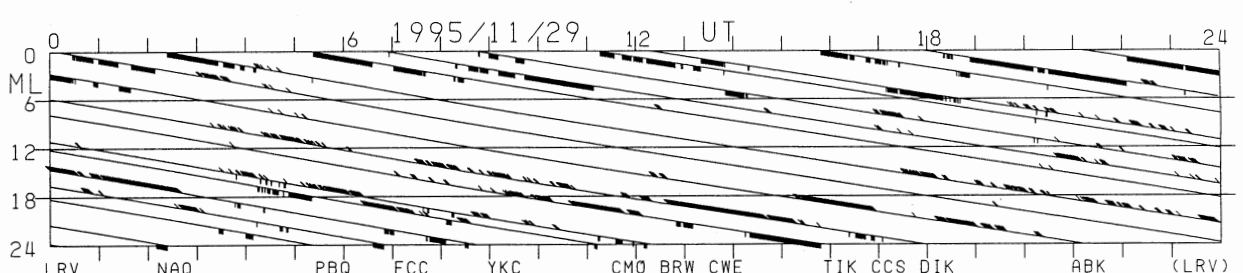
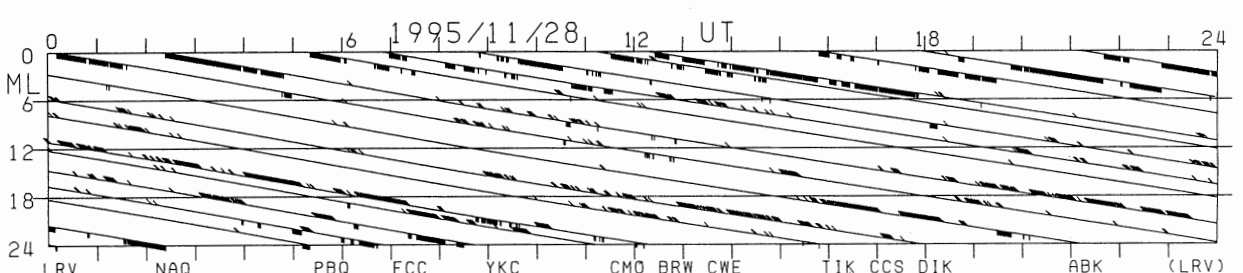
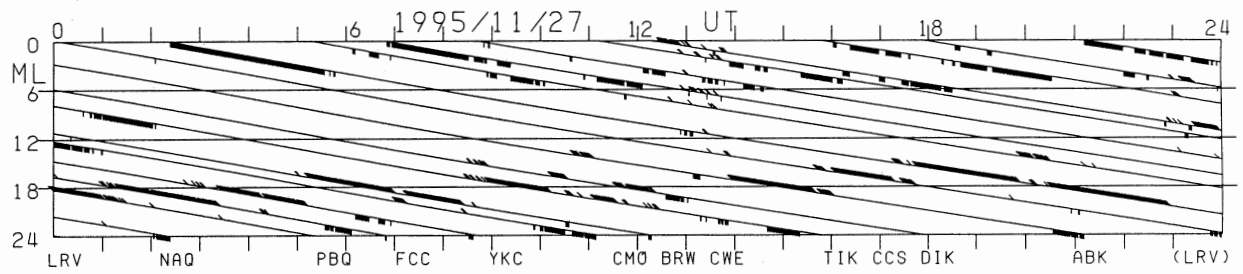
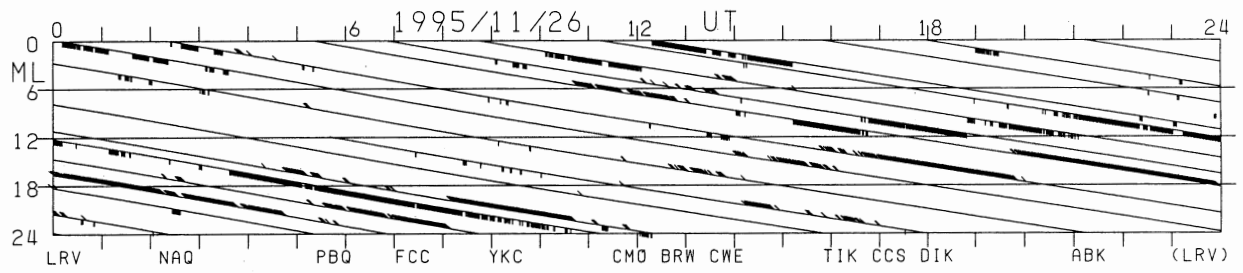
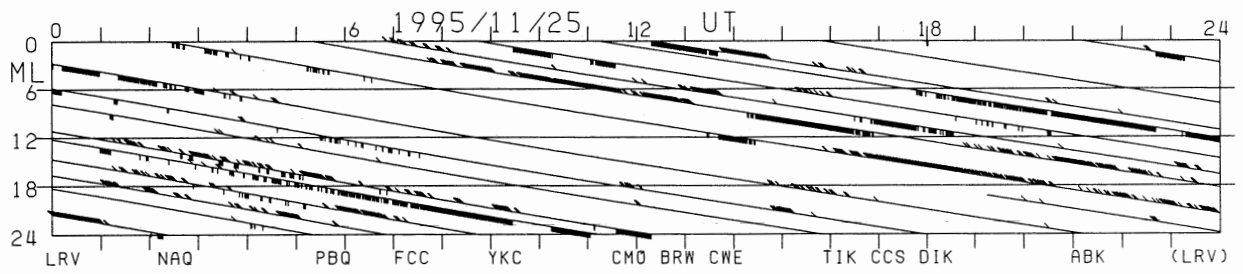


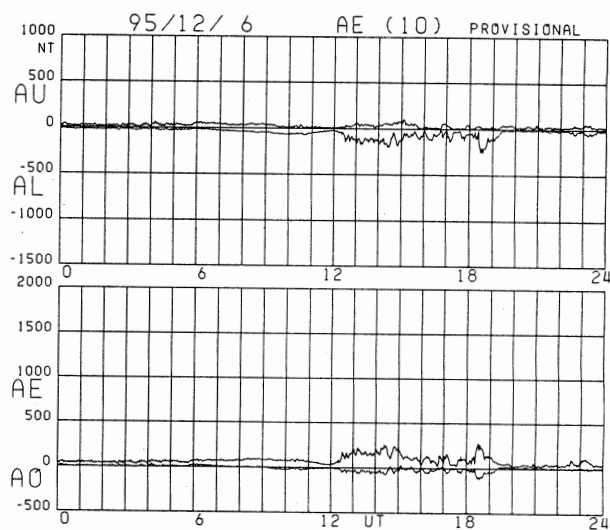
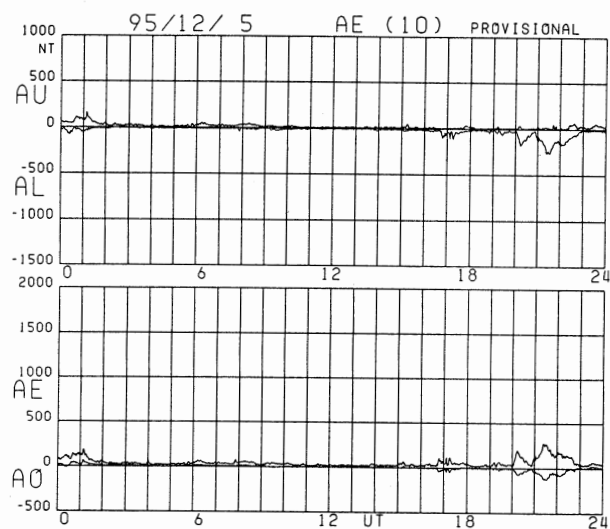
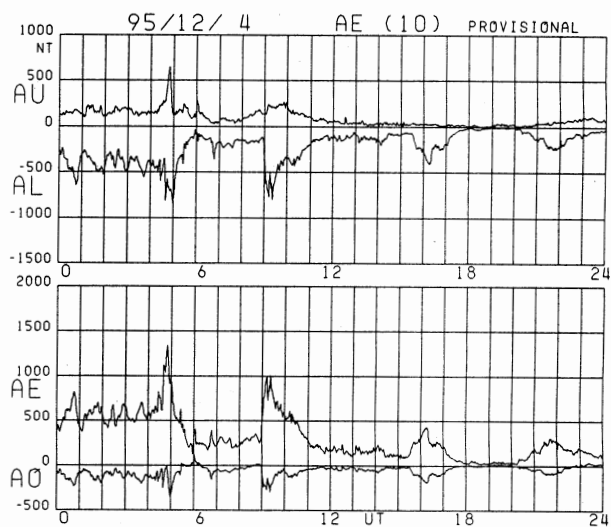
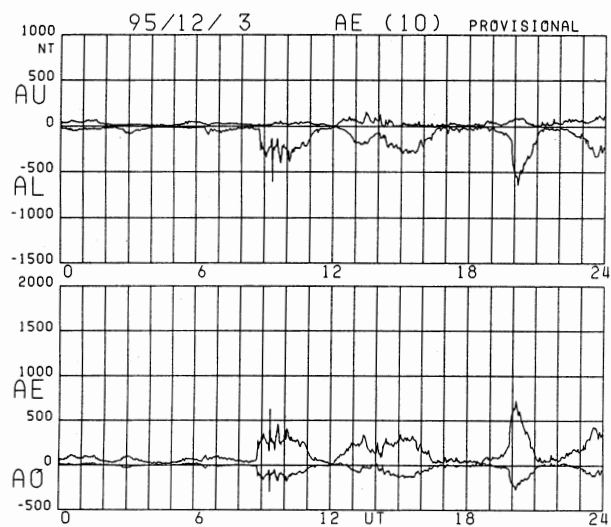
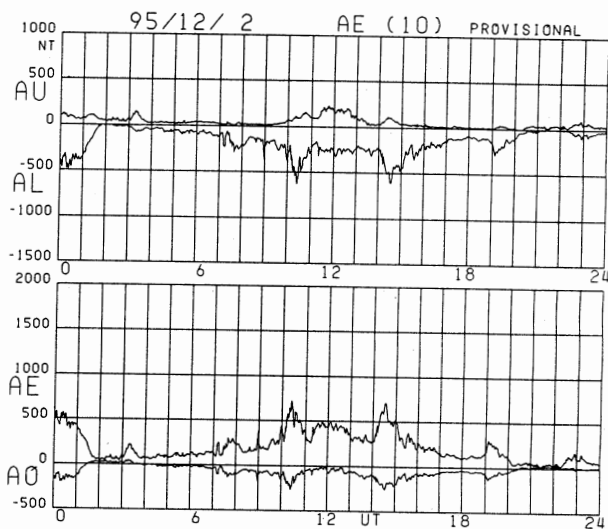
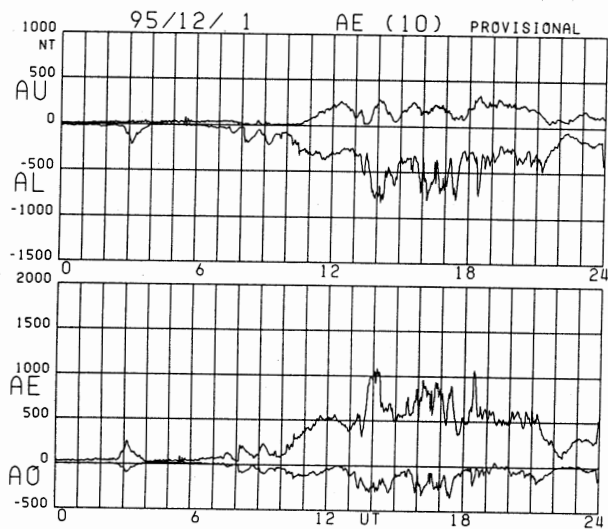


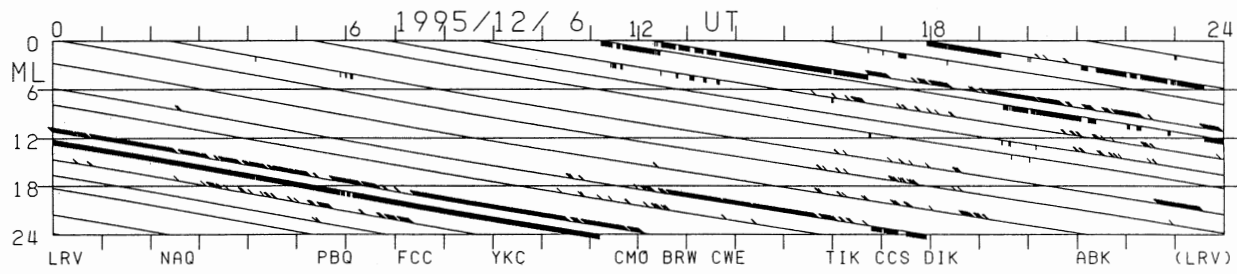
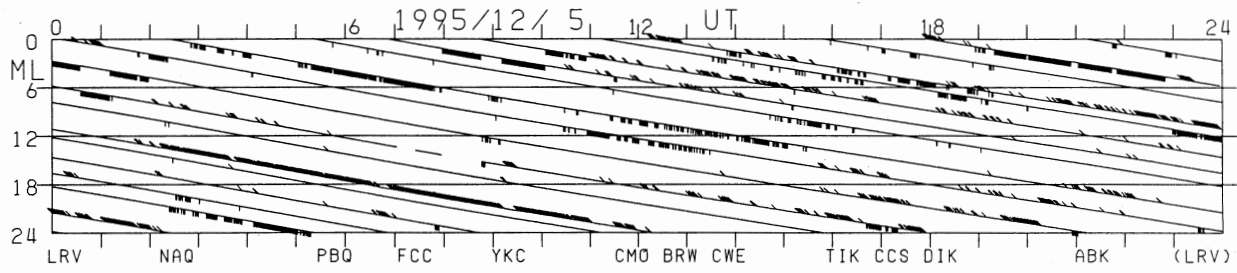
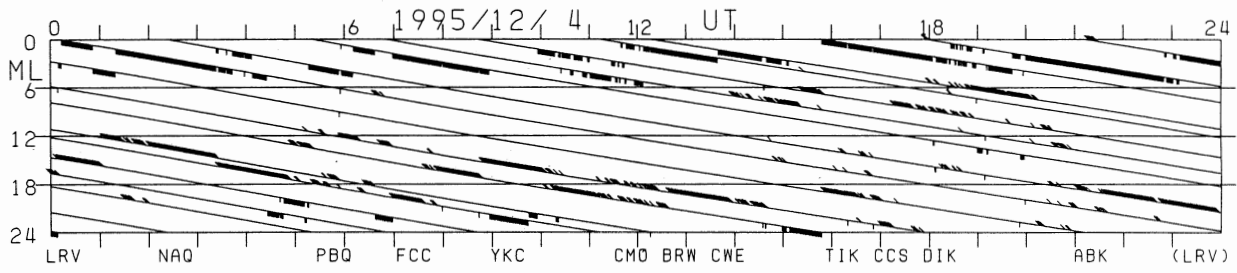
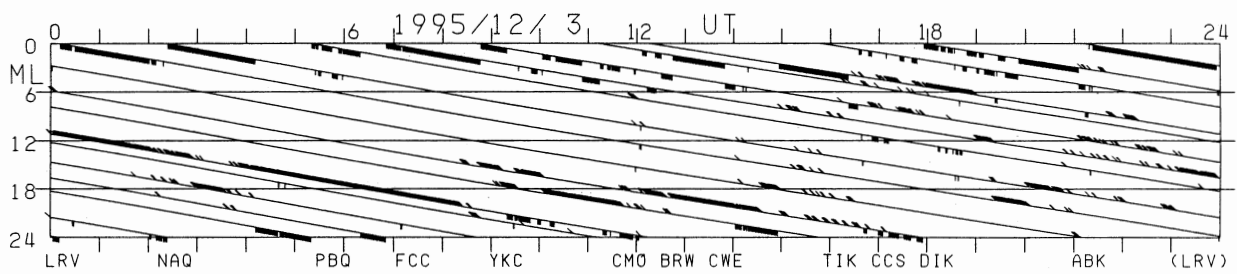
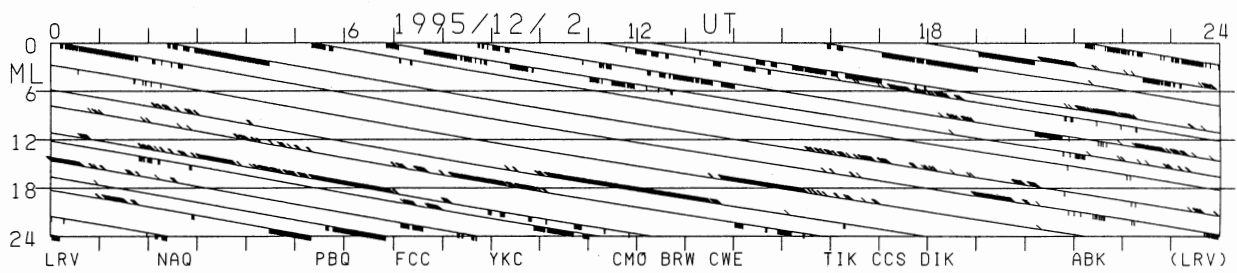
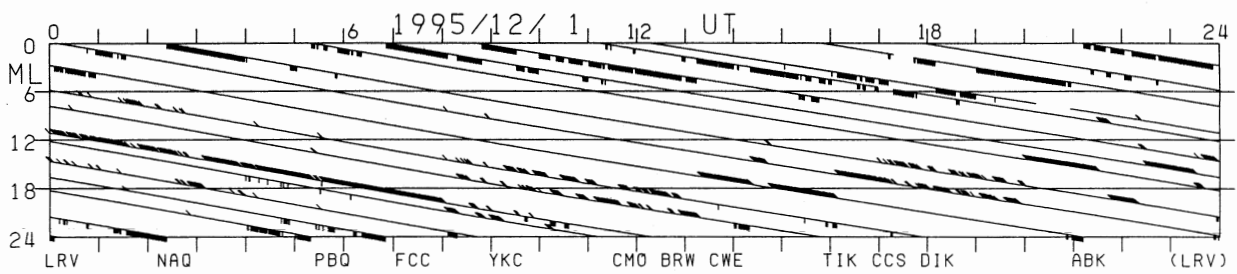


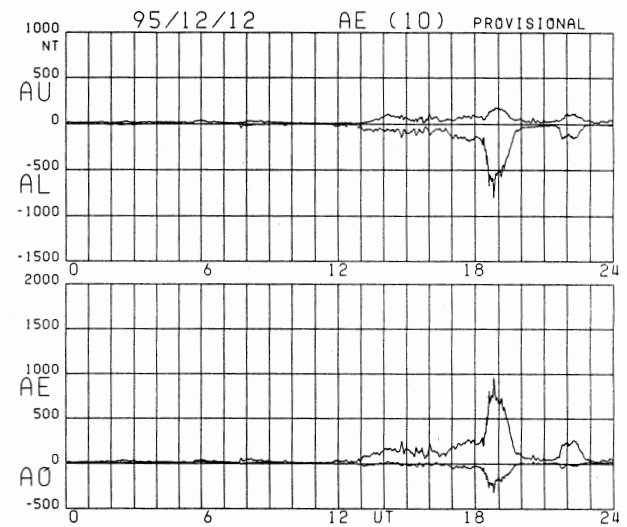
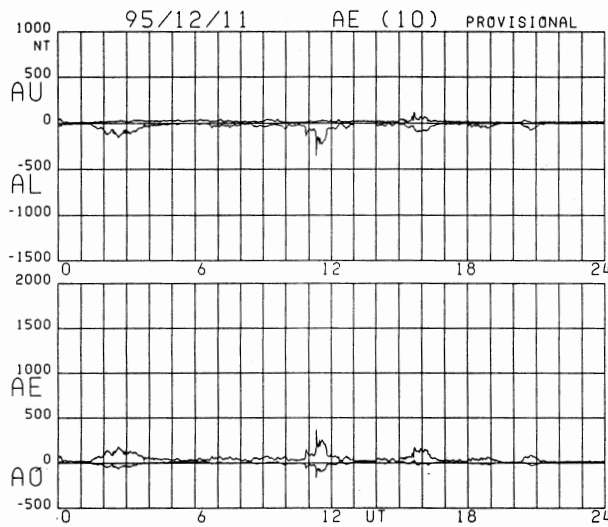
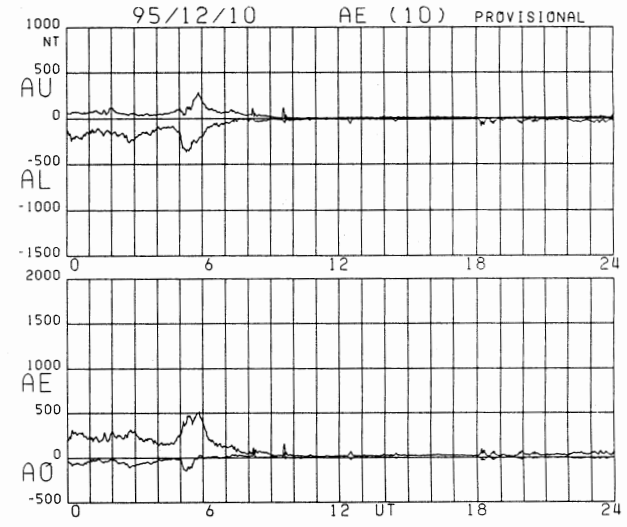
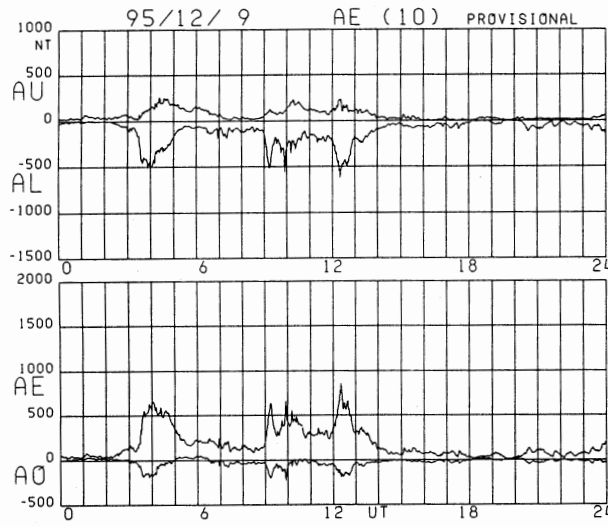
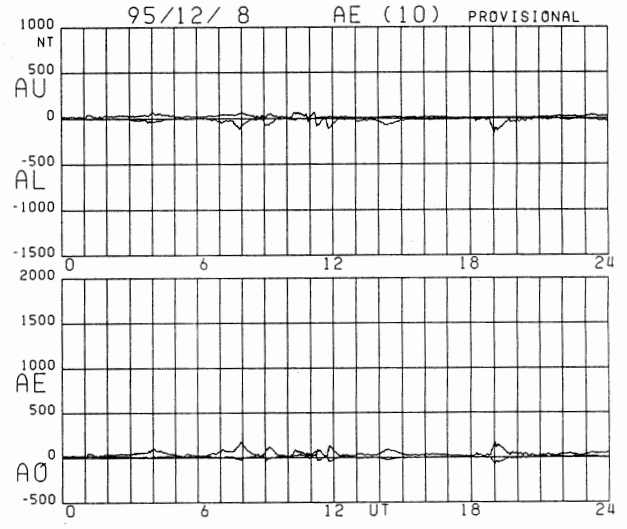
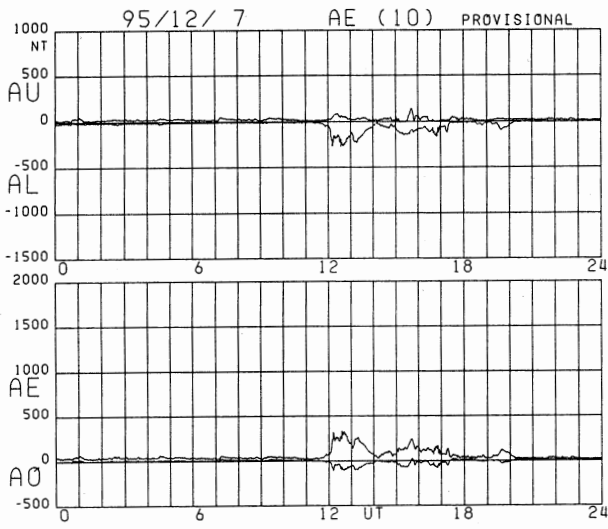


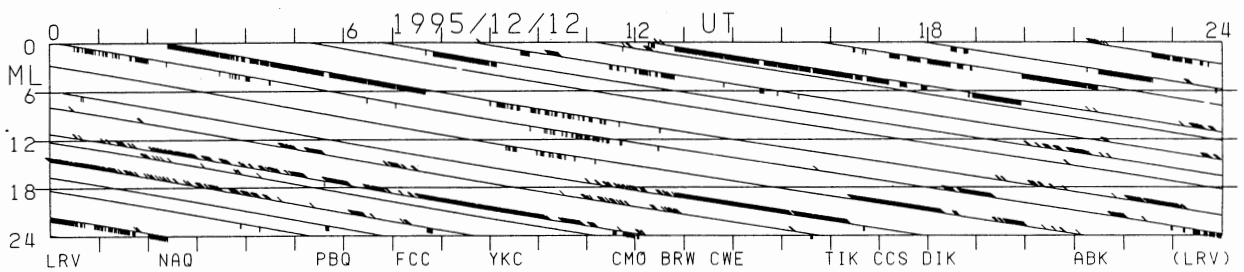
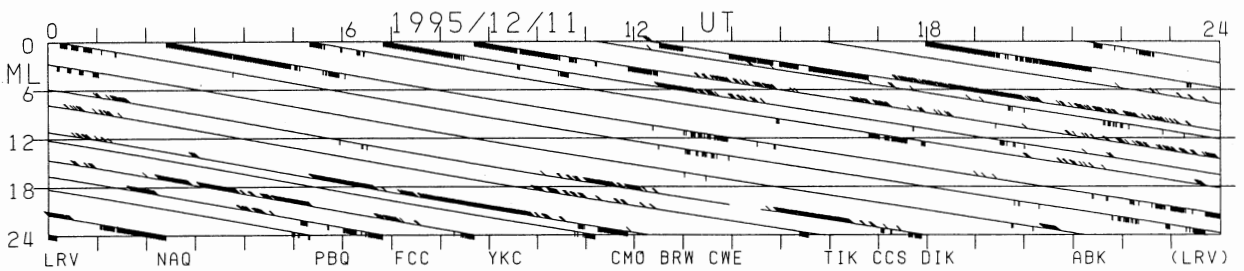
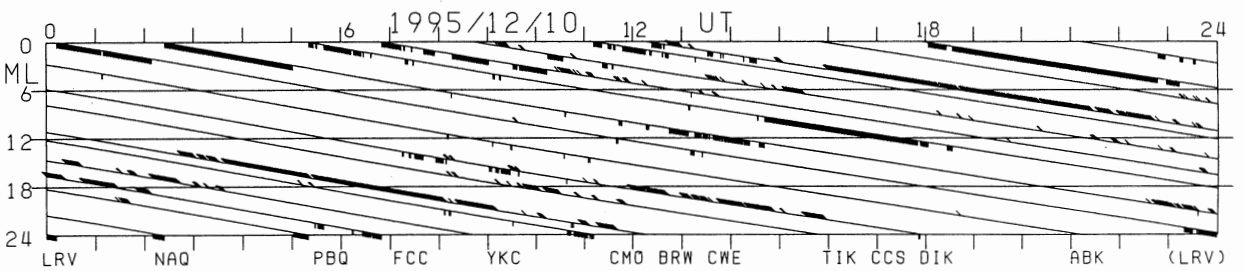
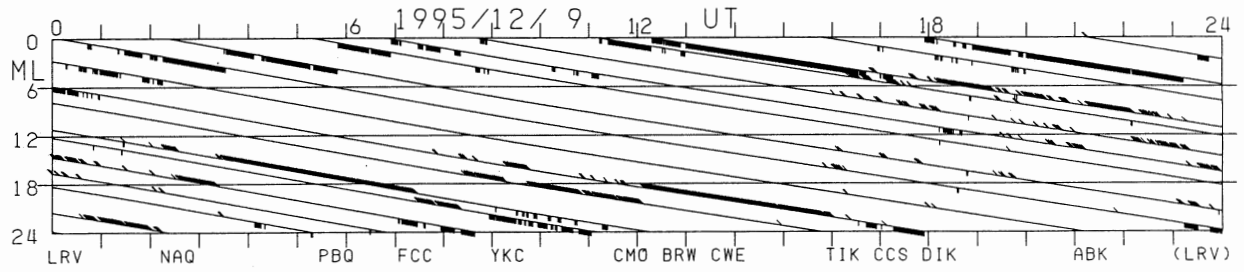
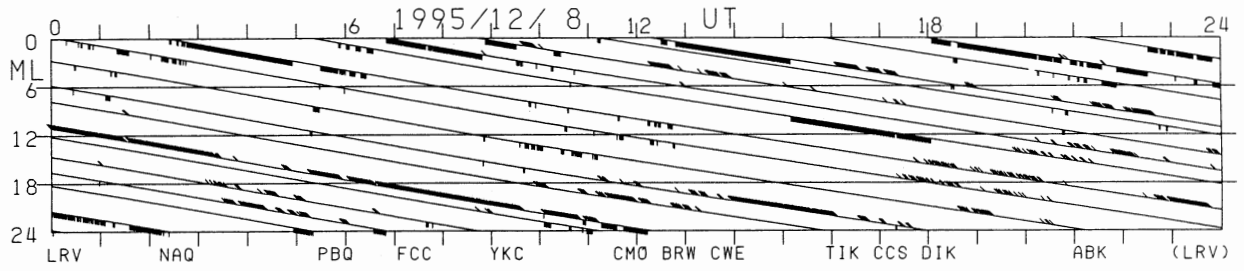
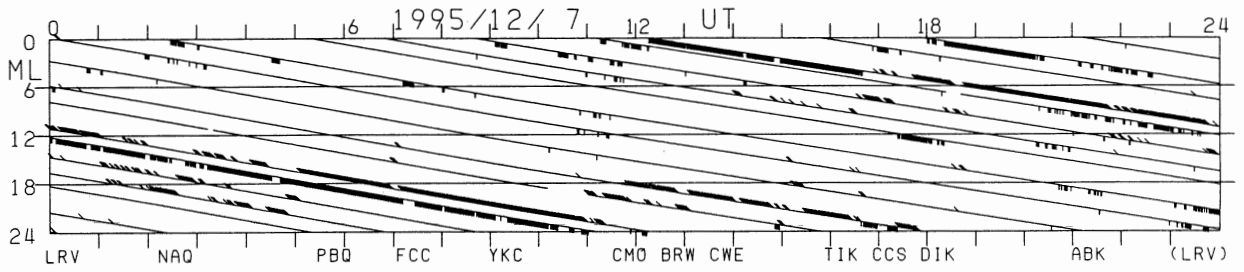


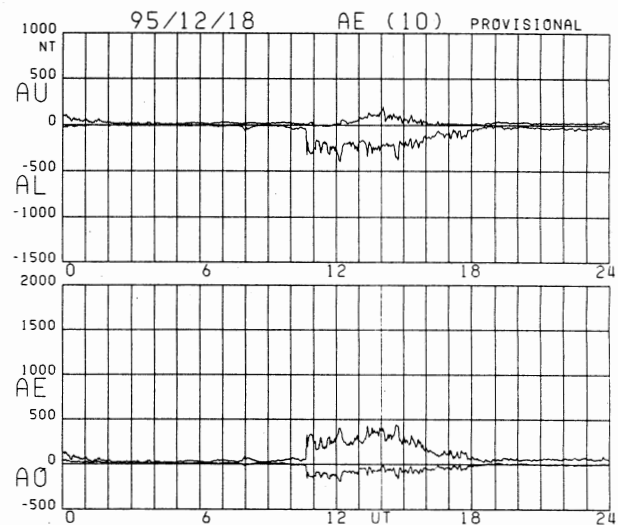
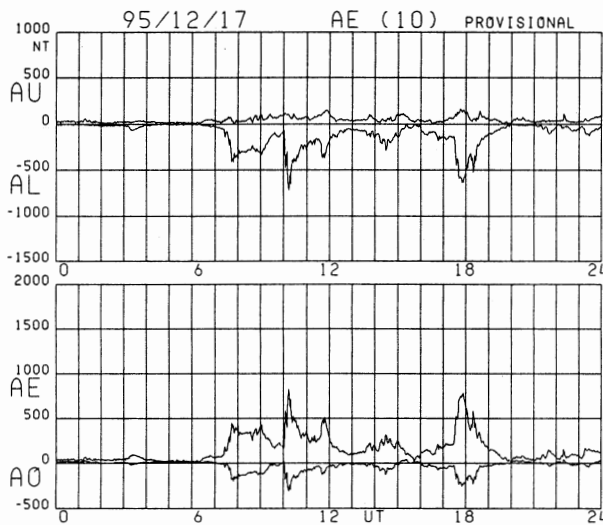
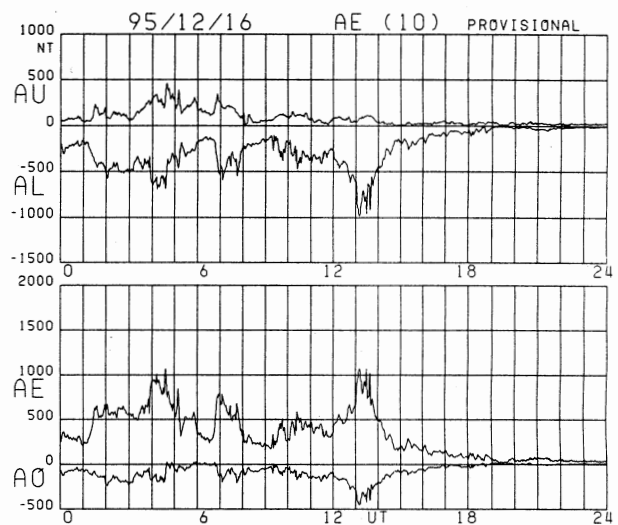
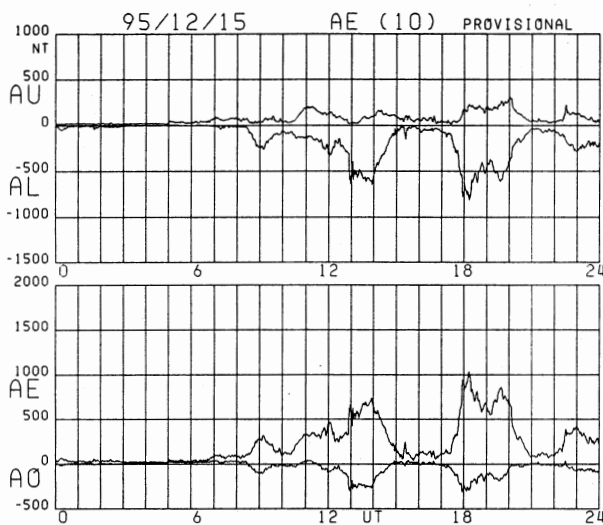
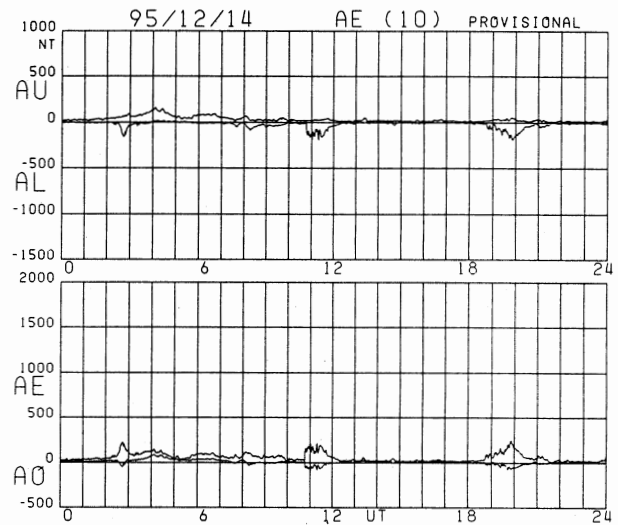
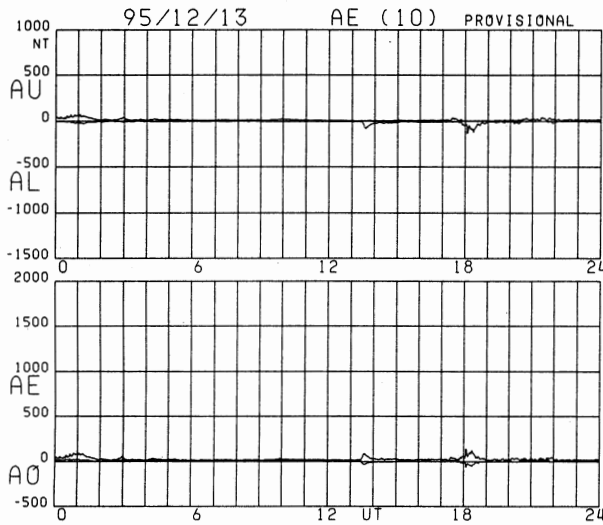


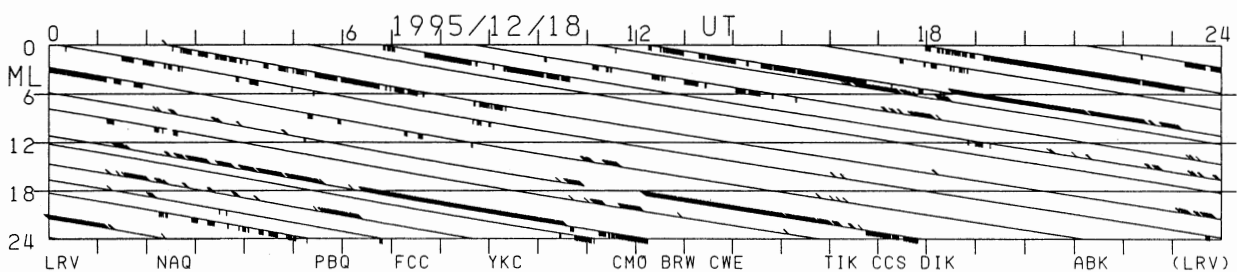
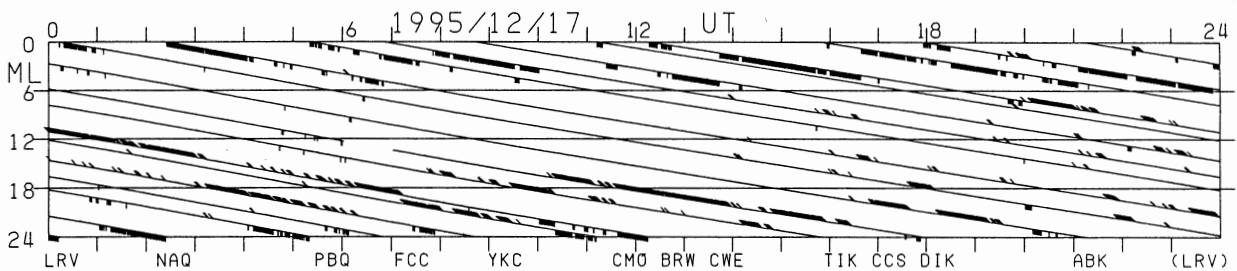
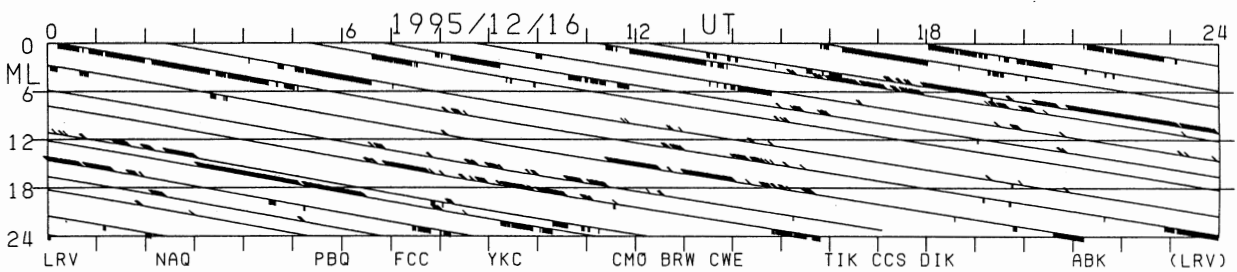
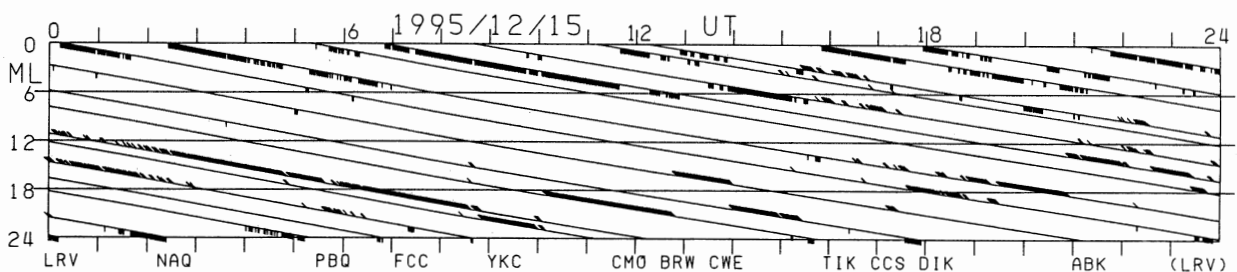
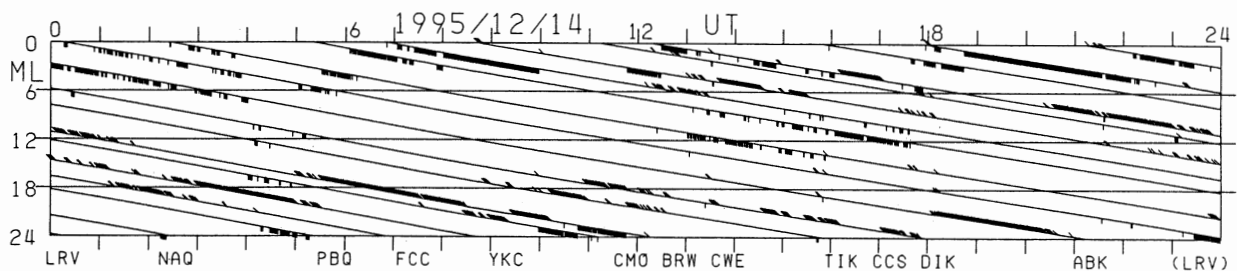
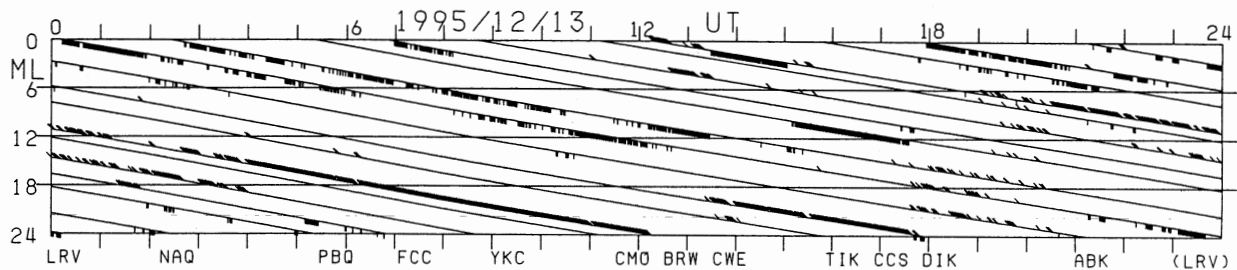


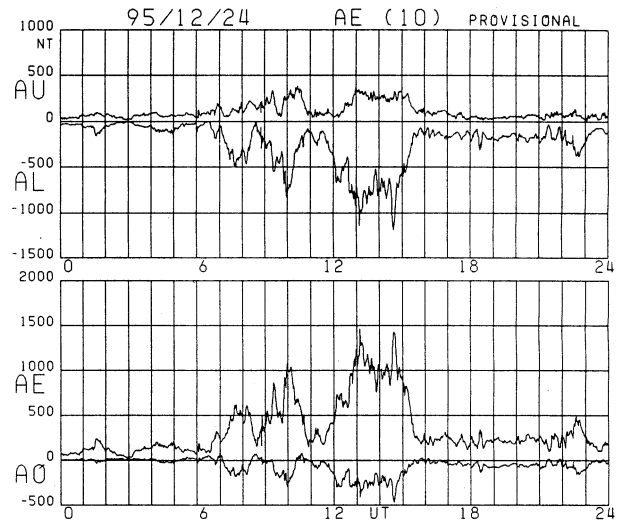
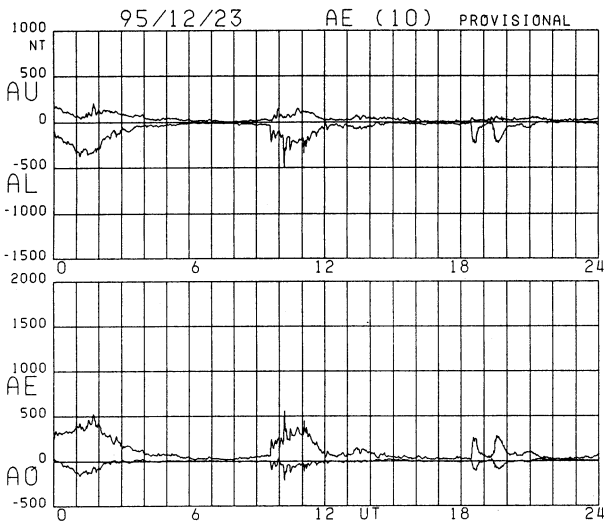
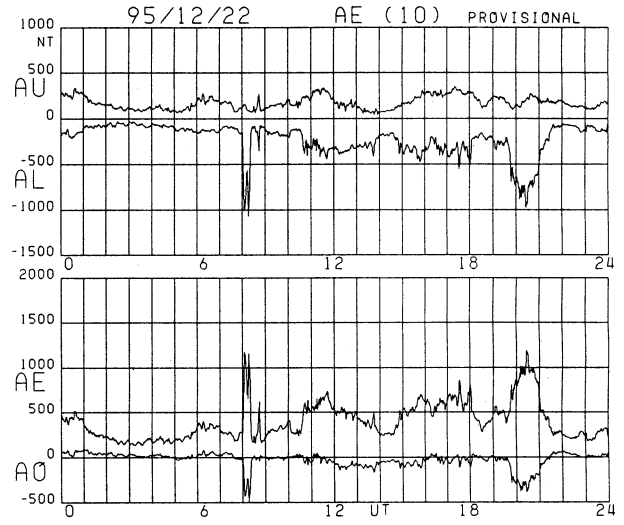
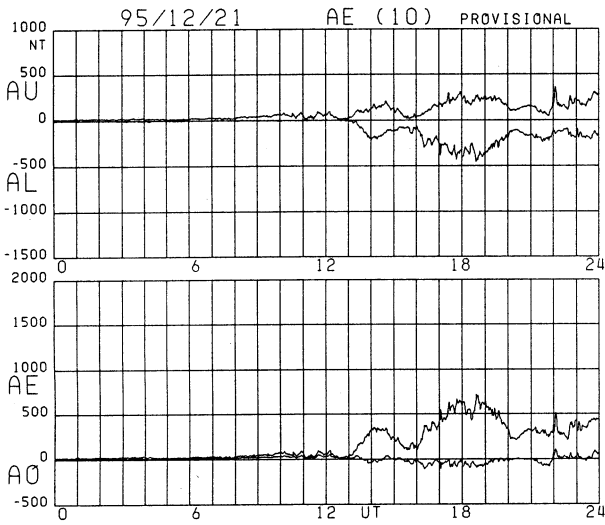
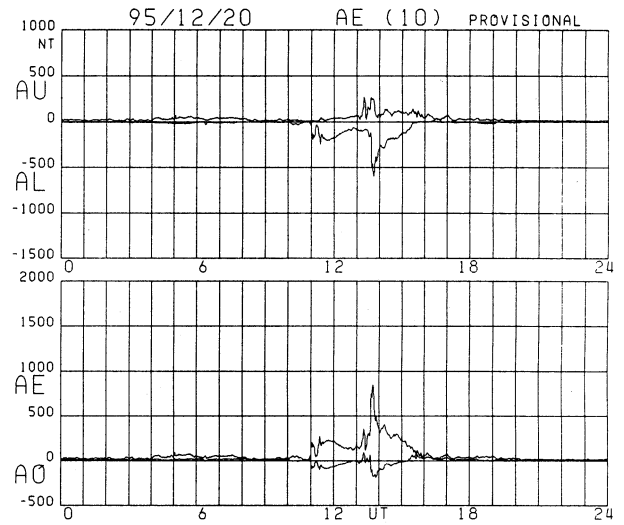
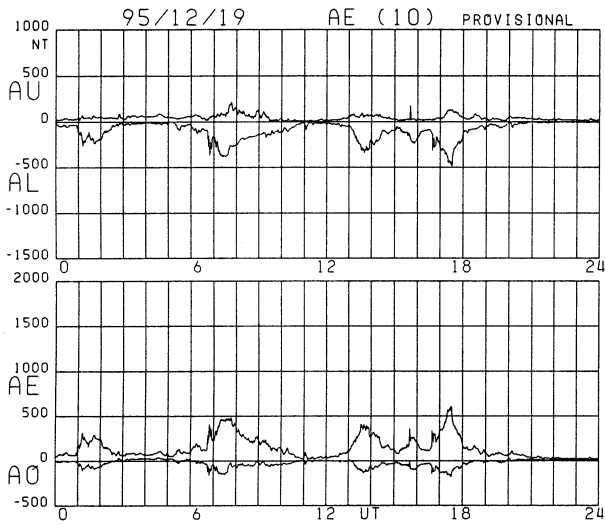


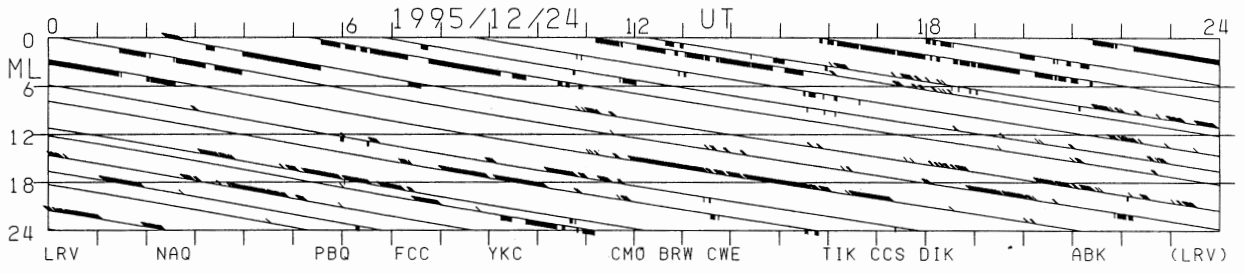
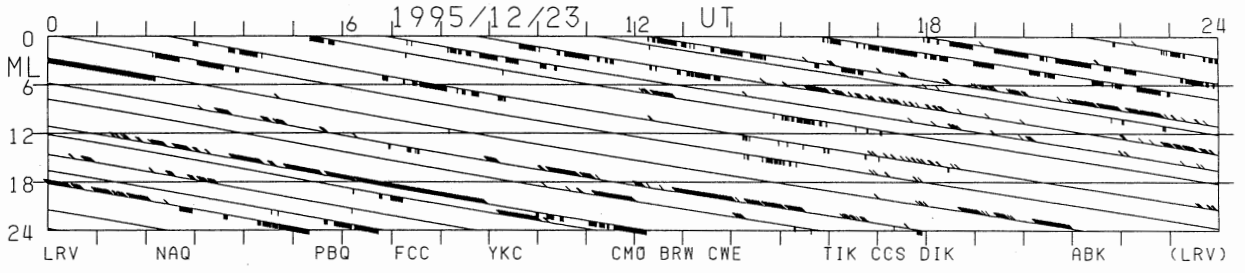
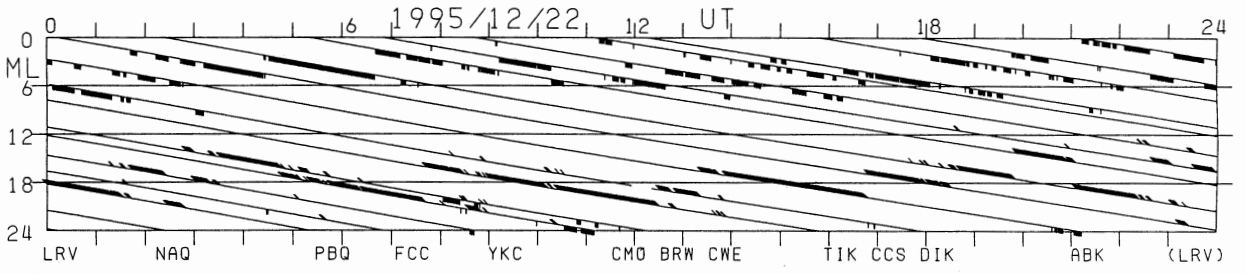
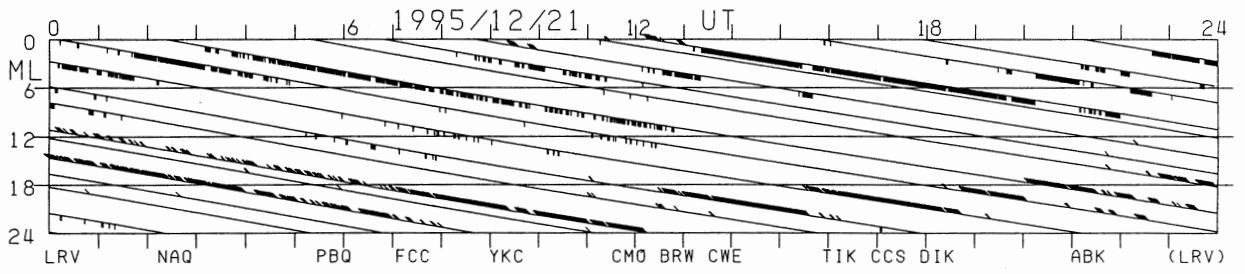
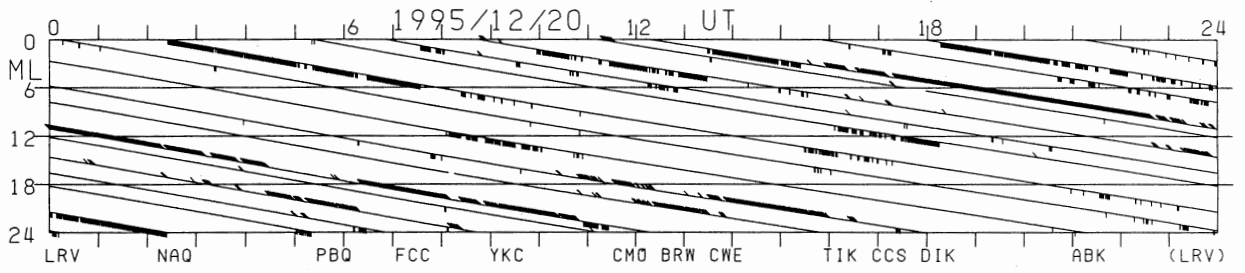
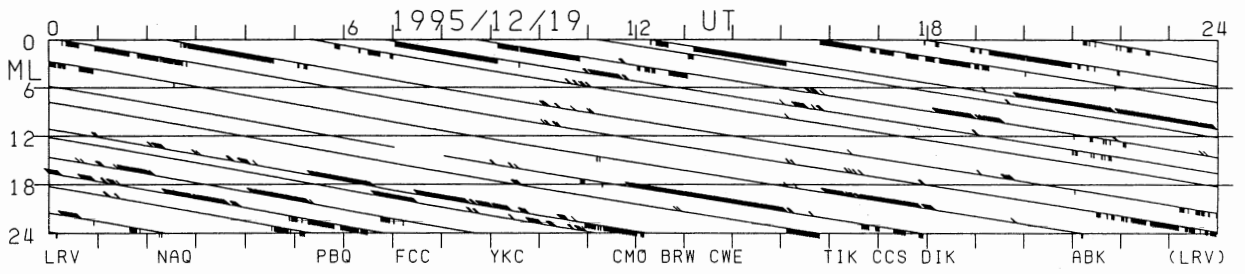


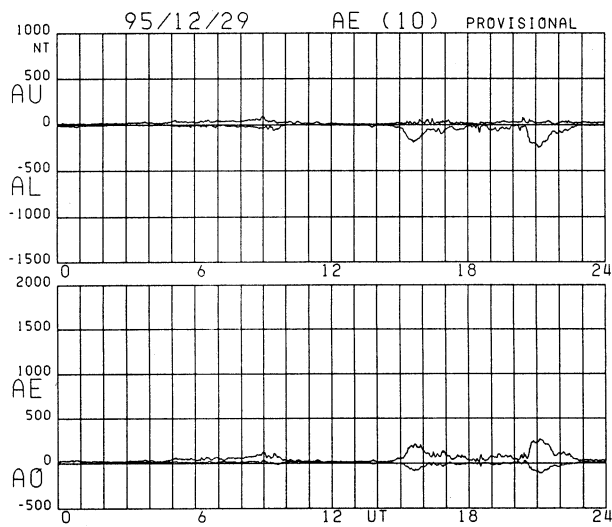
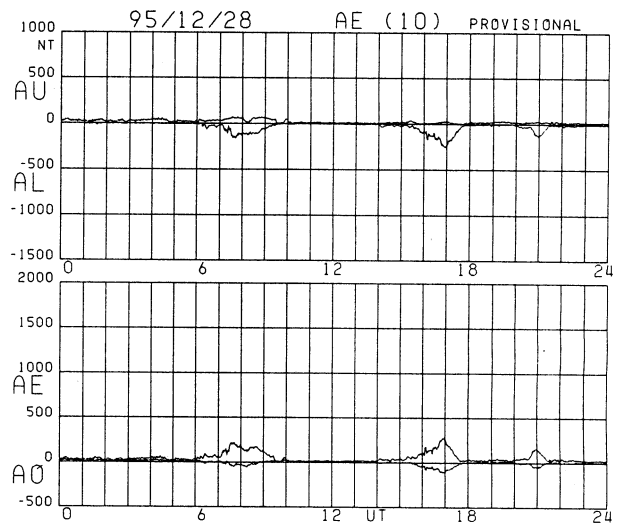
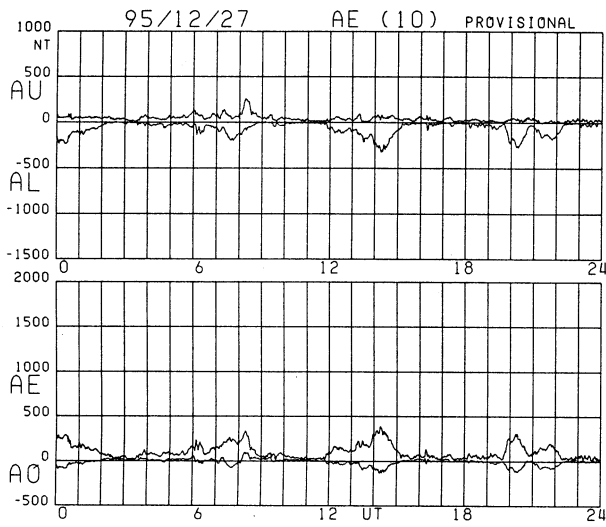
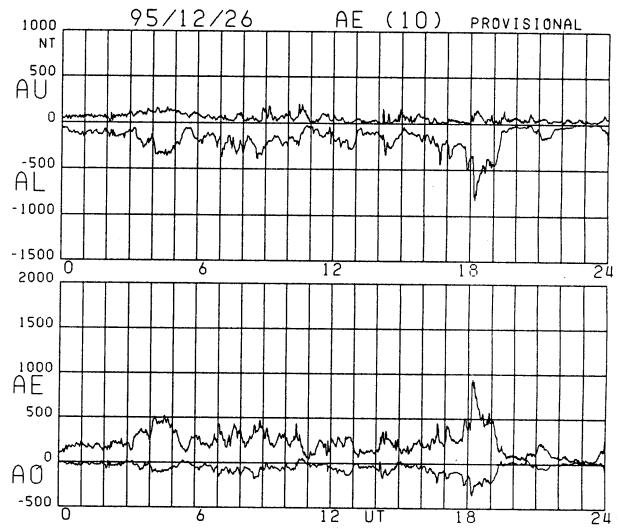
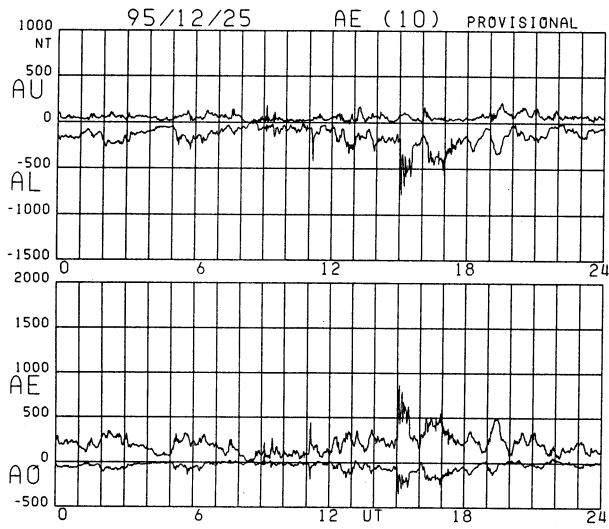


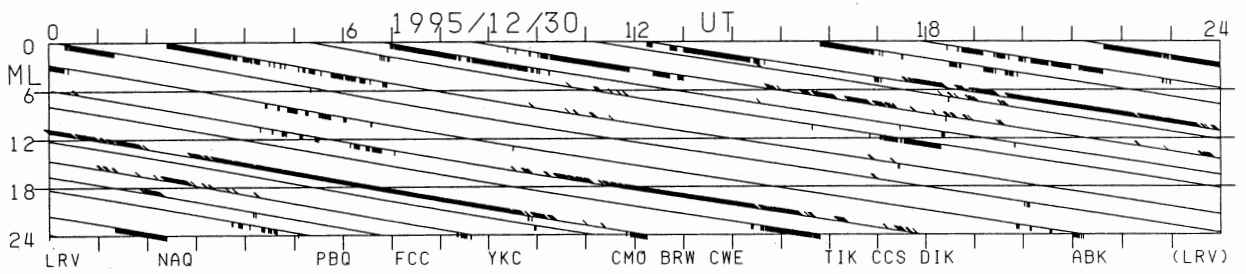
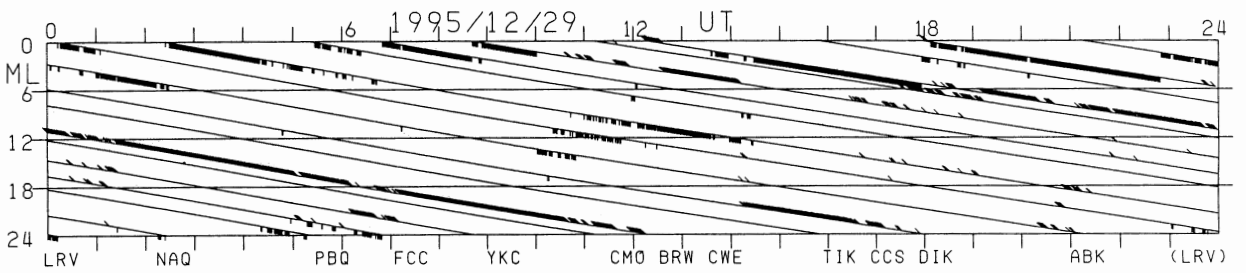
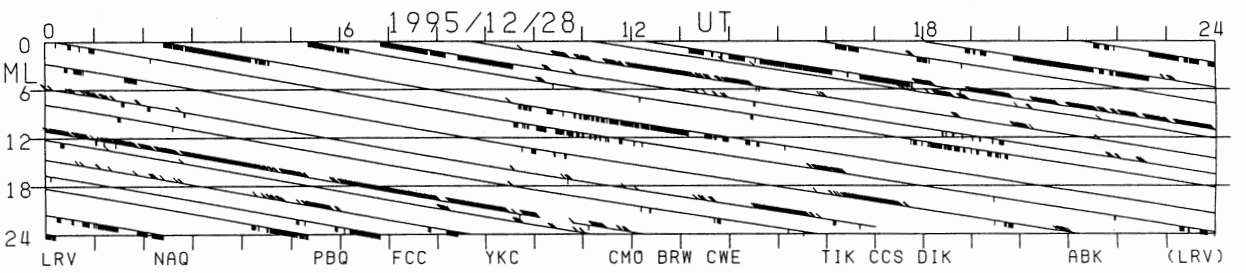
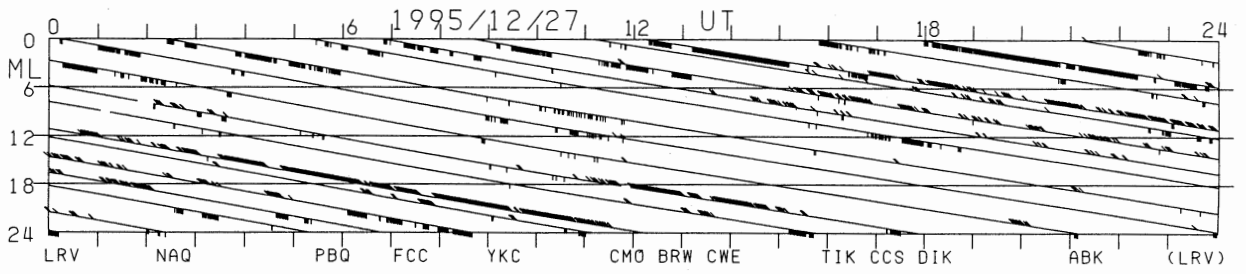
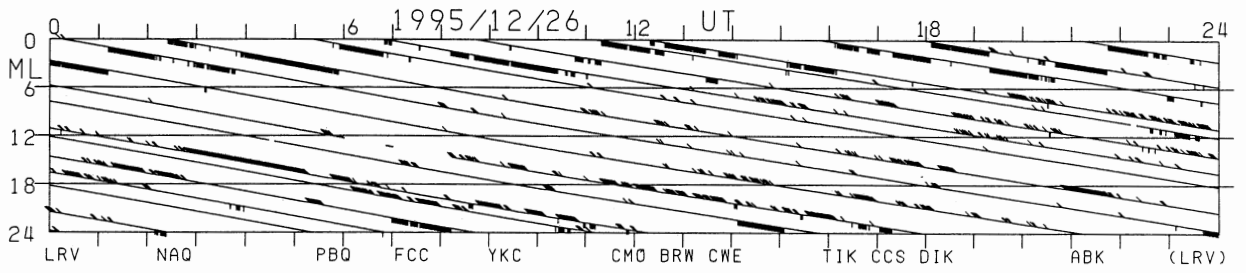
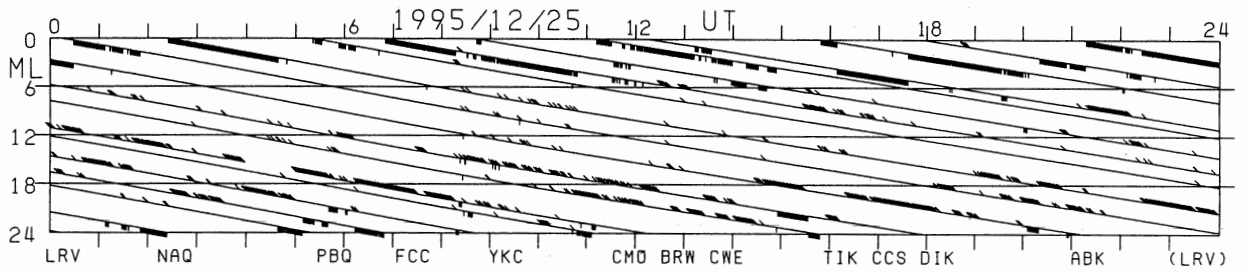


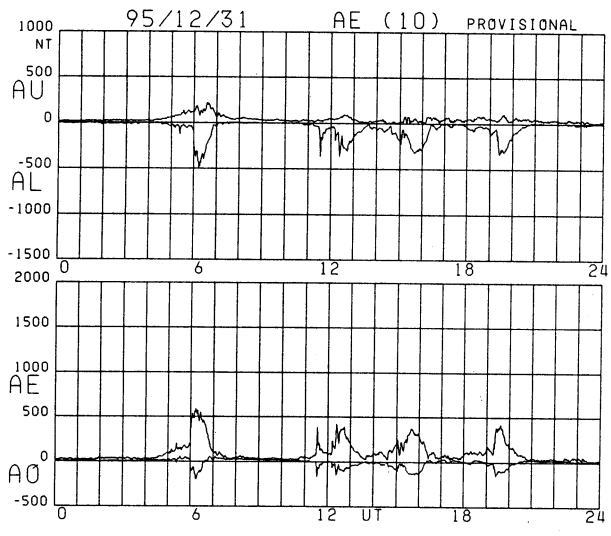


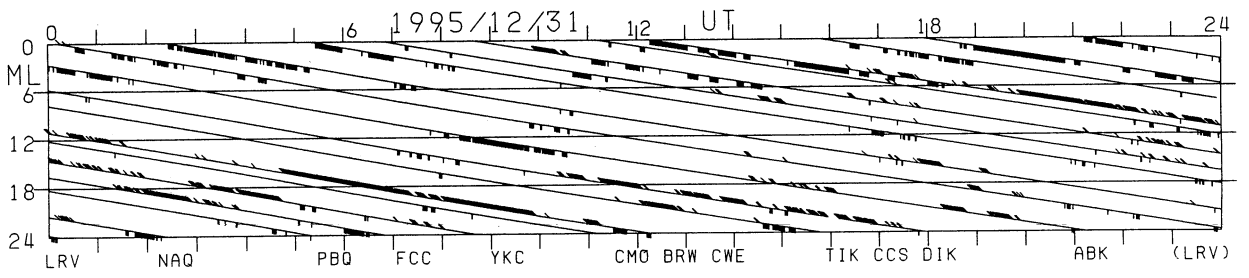












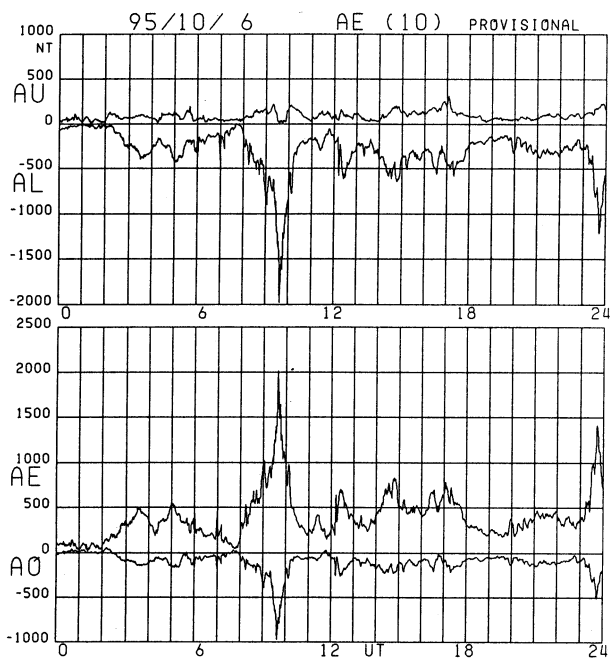
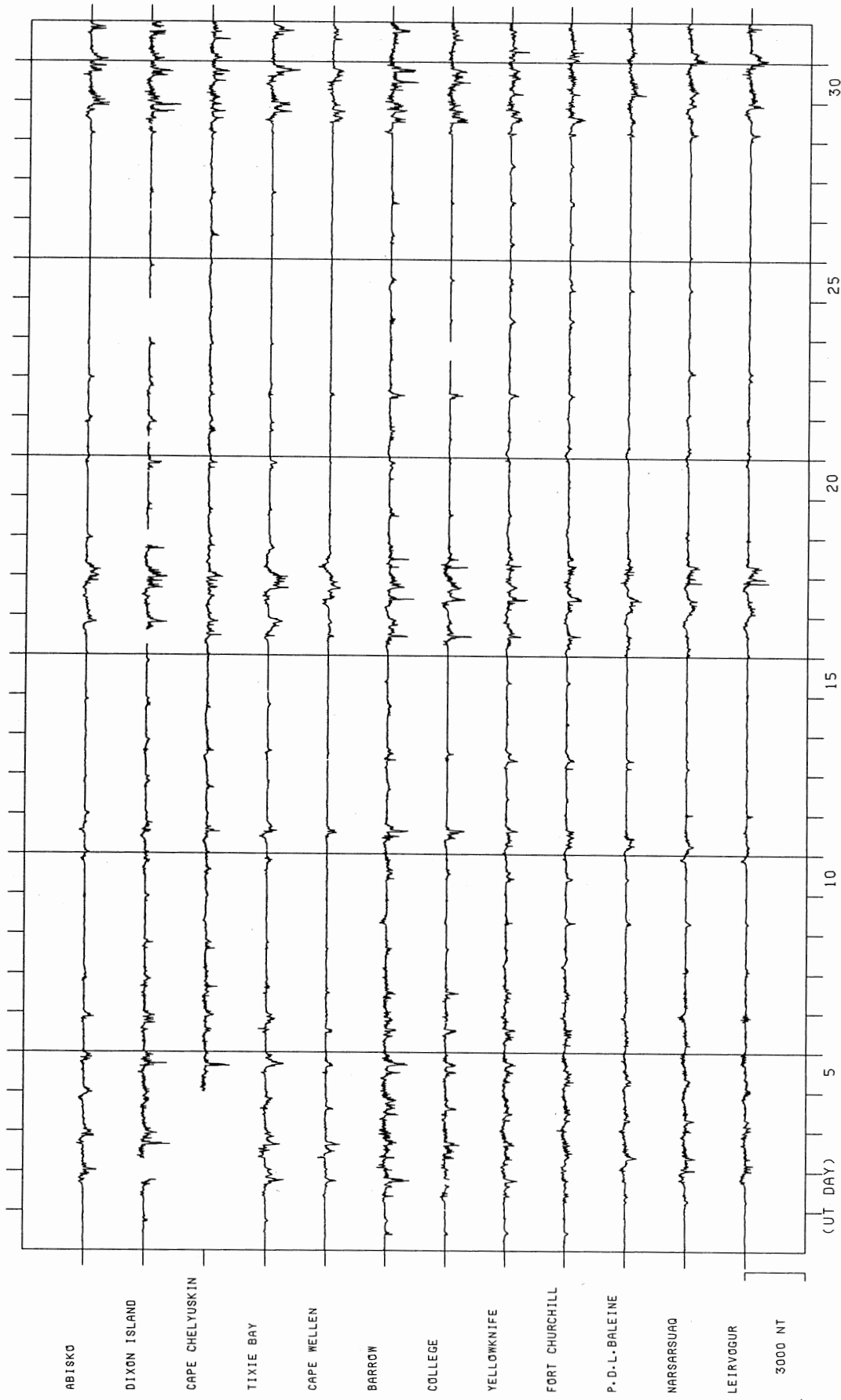
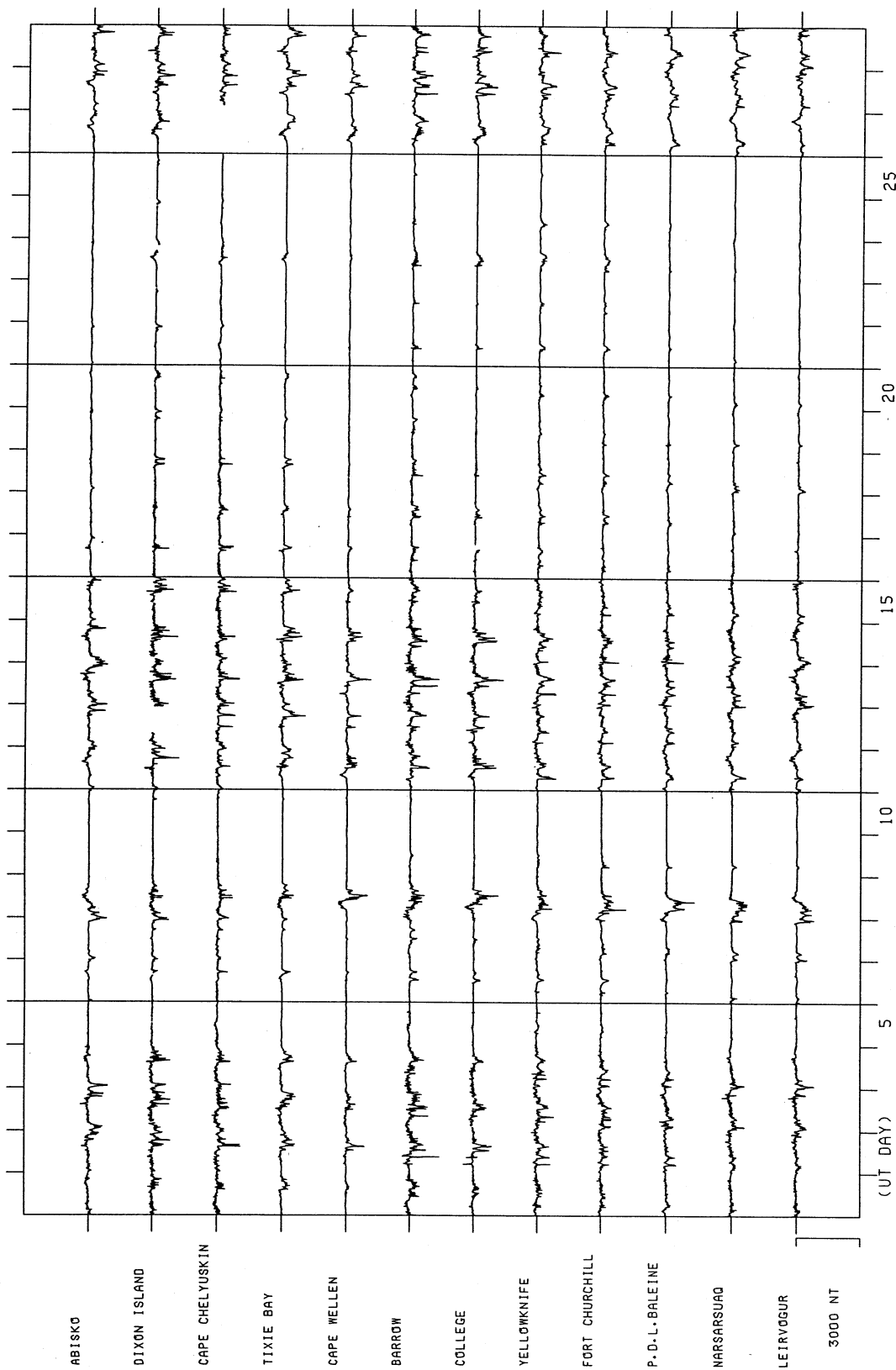


FIGURE 6

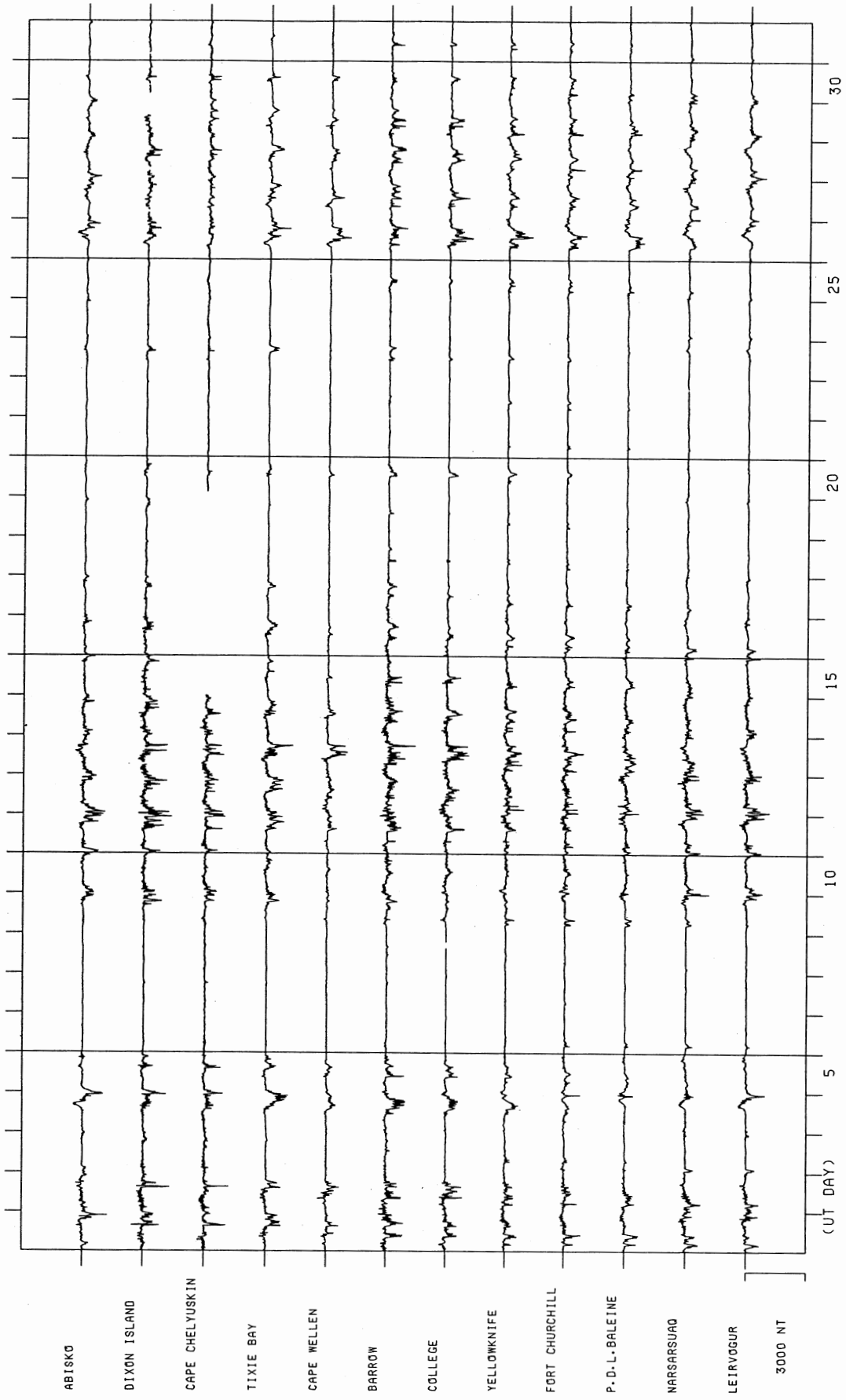
**The H traces of magnetograms
from AE(12,11,10) stations
in each month
for January-December 1995.**



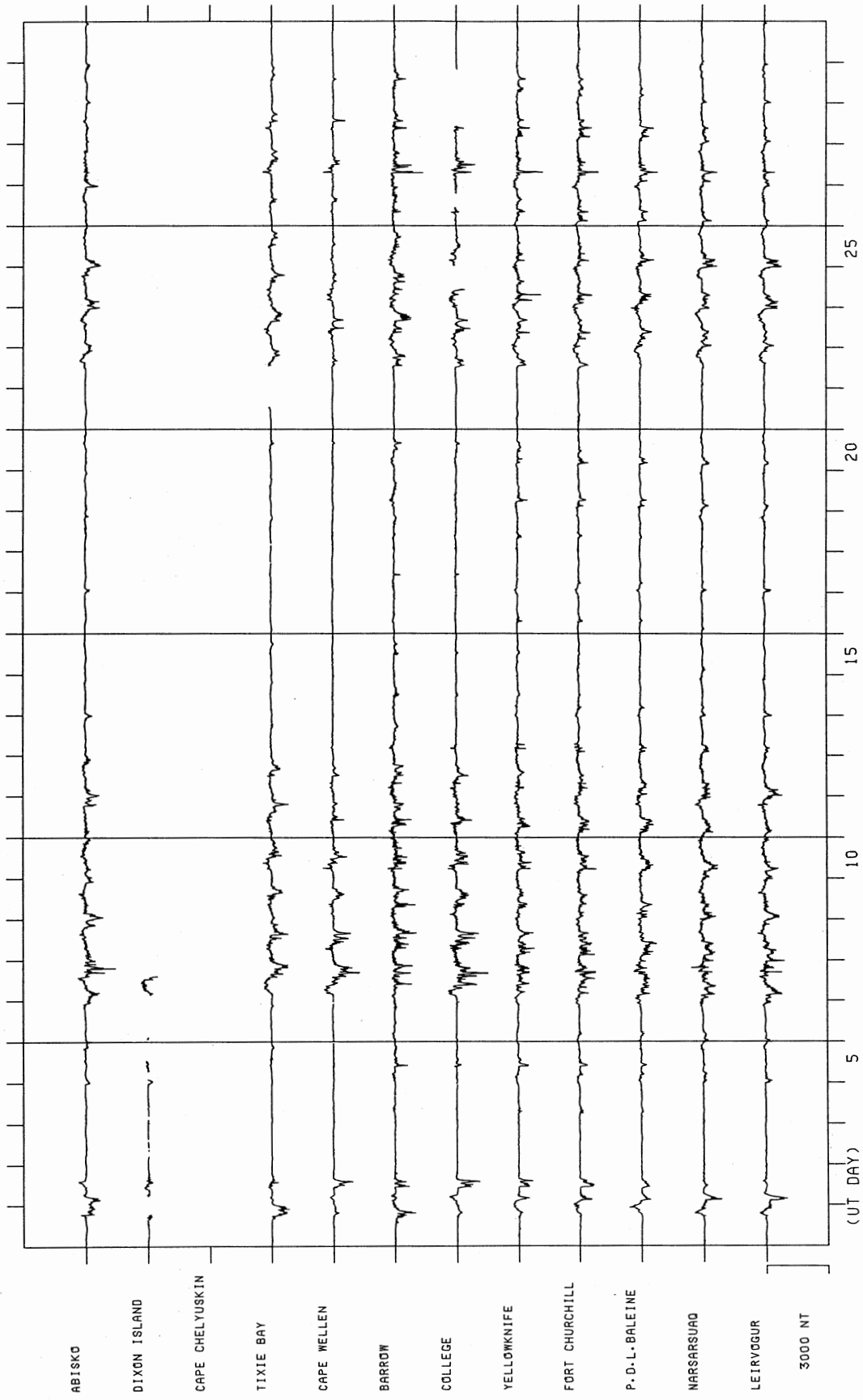
STACKED COMMON SCALE MAGNETOGRAMS FOR JANUARY 1995



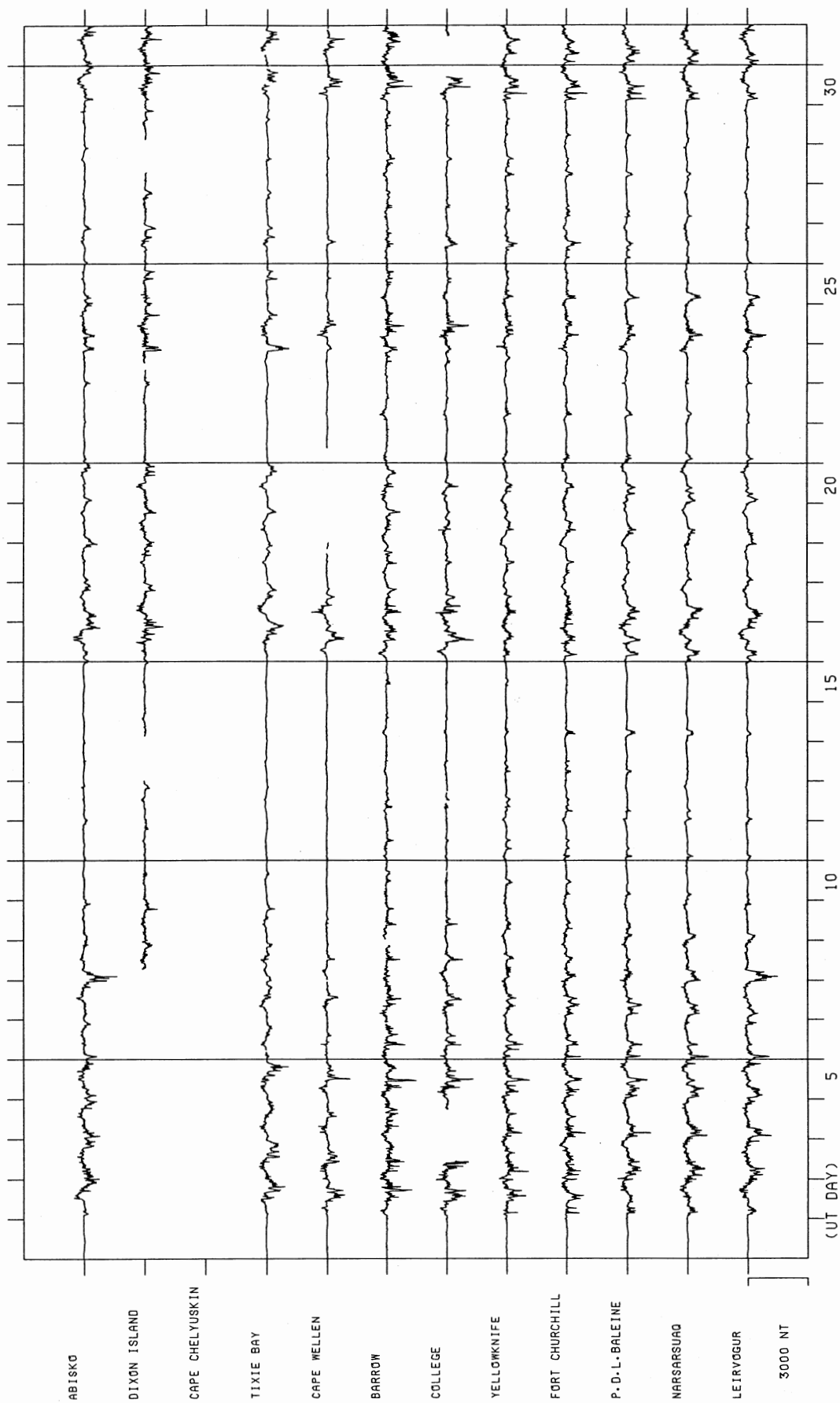
STACKED COMMON SCALE MAGNETOGRAMS FOR FEBRUARY 1995



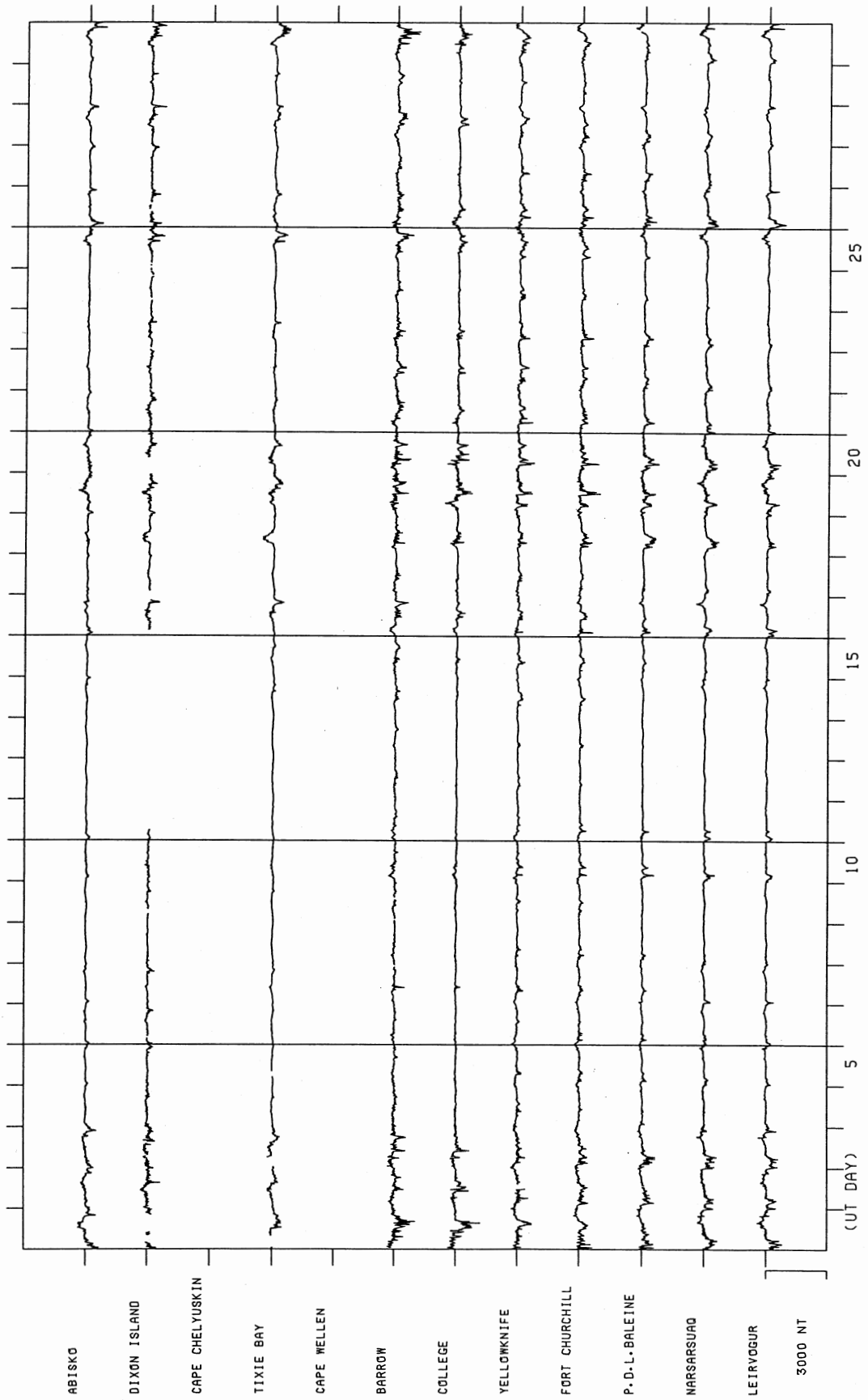
STACKED COMMON SCALE MAGNETOGRAMS FOR MARCH 1995



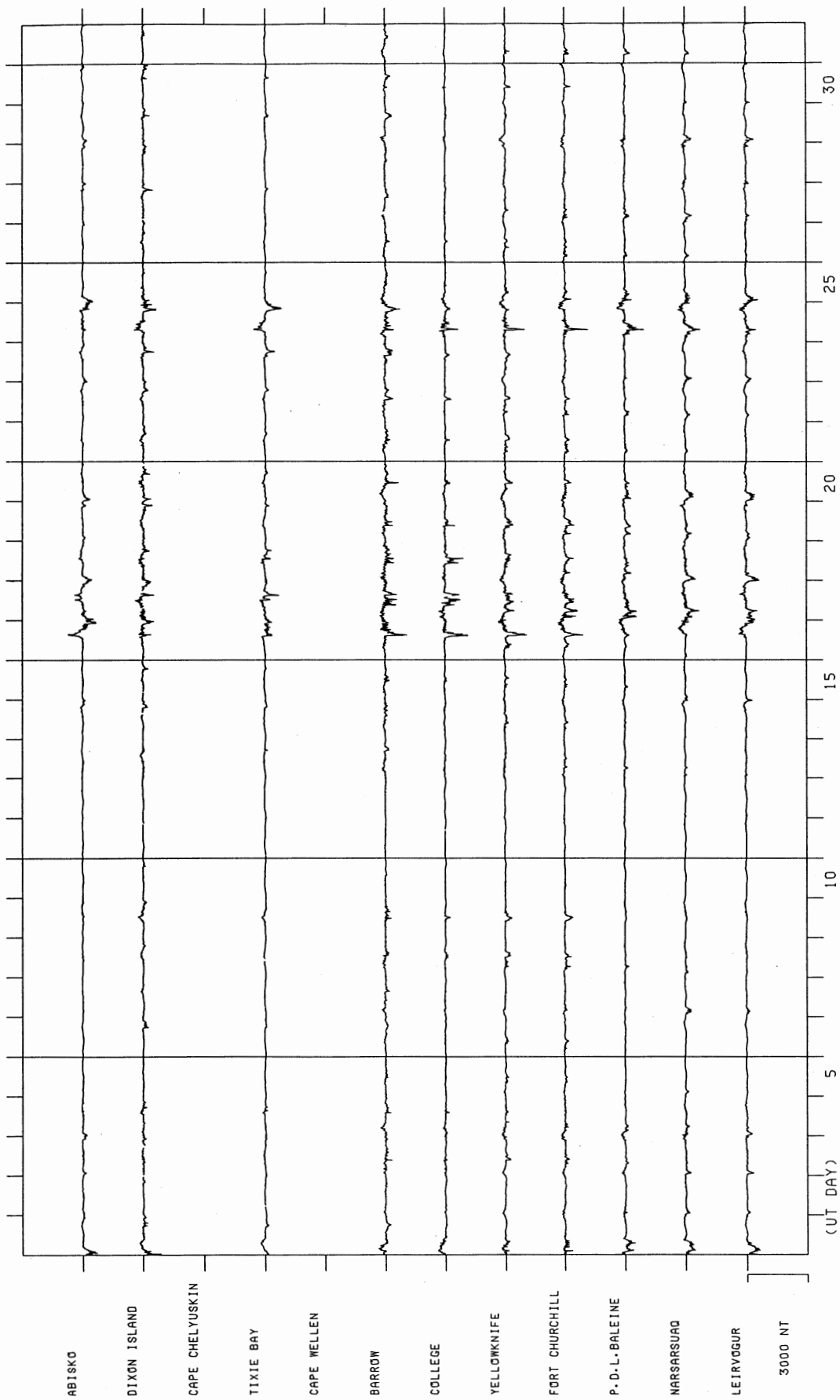
STACKED COMMON SCALE MAGNETOGRAMS FOR APRIL 1995



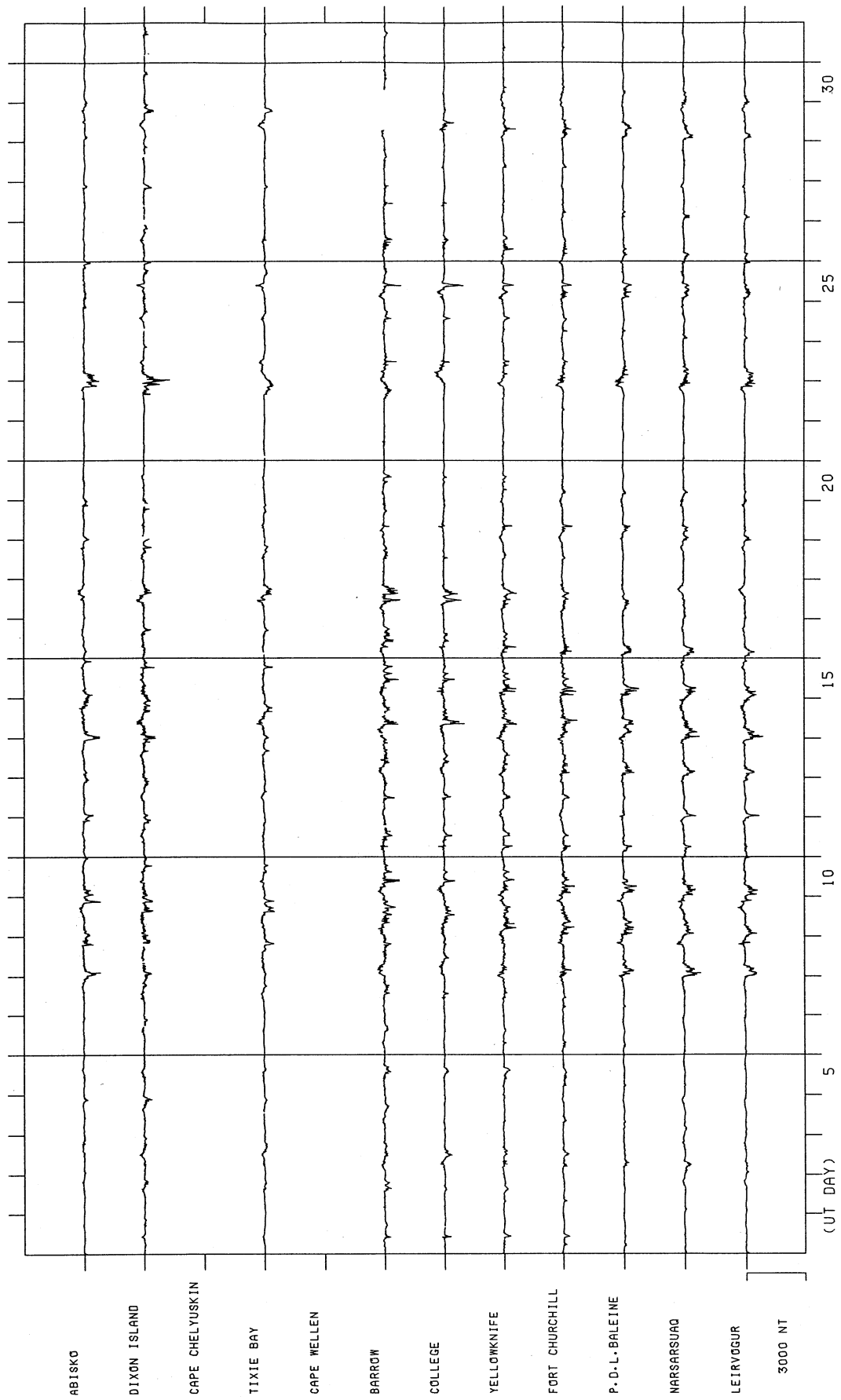
STACKED COMMON SCALE MAGNETOGRAMS FOR MAY 1995



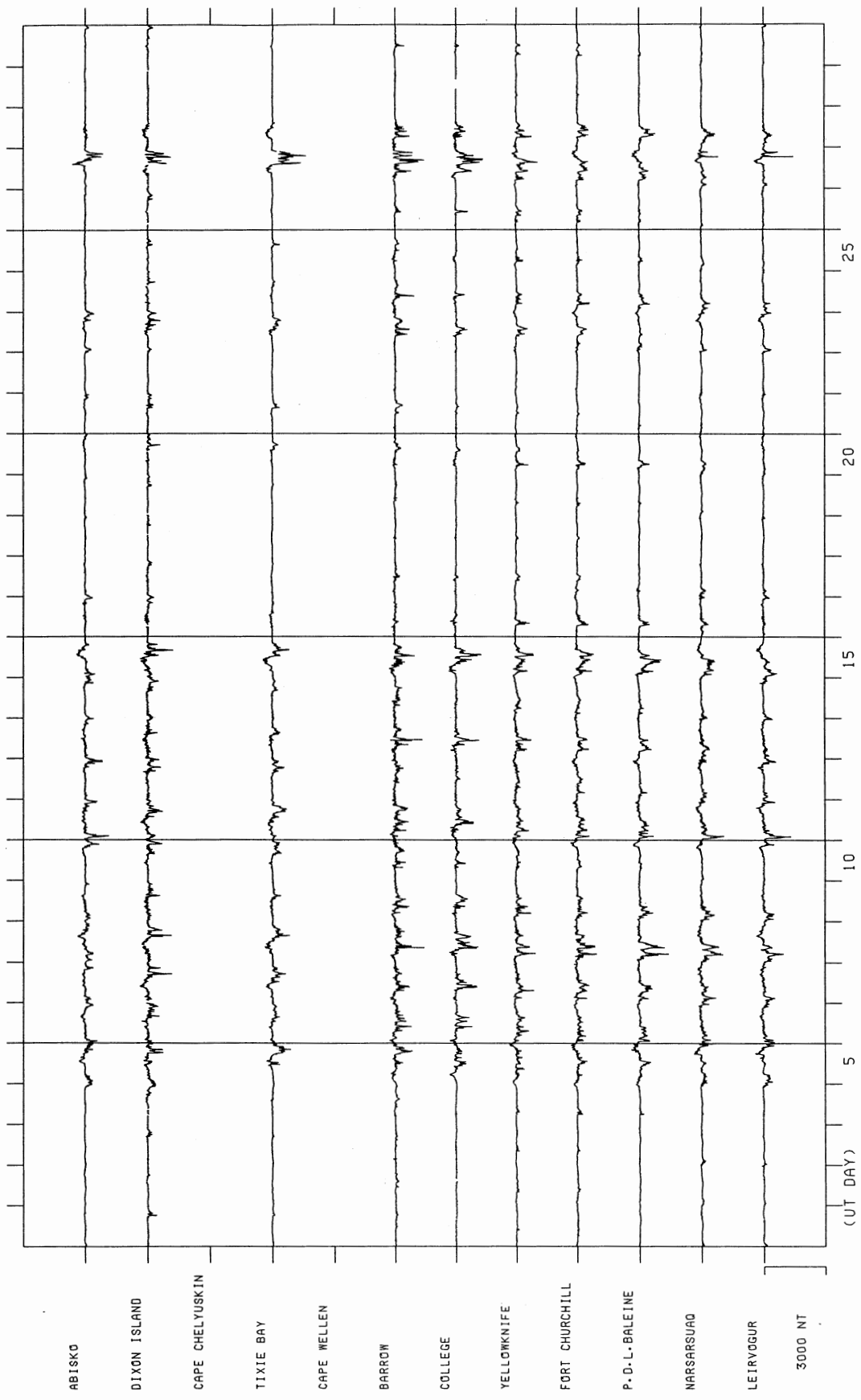
STACKED COMMON SCALE MAGNETOGRAMS FOR JUNE 1995



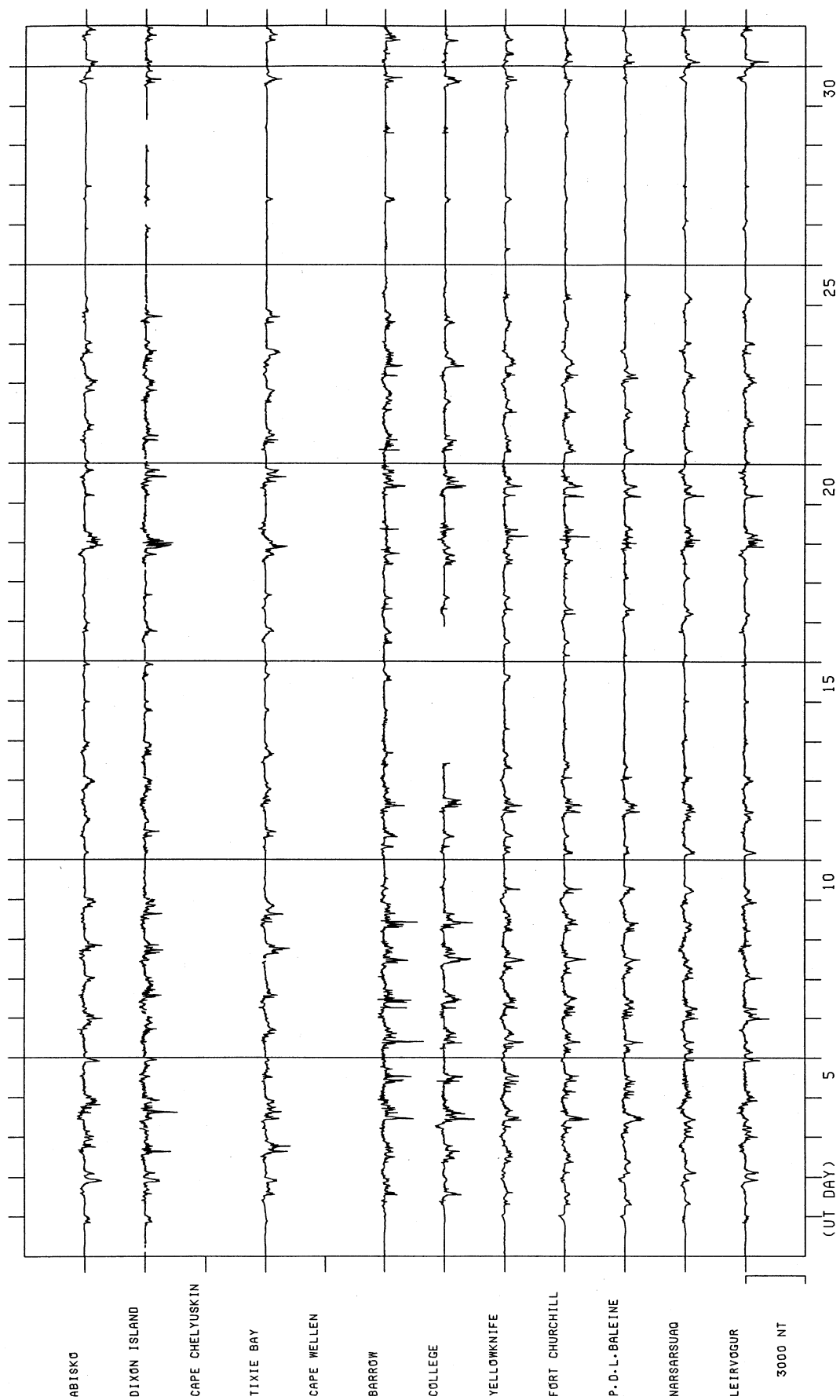
STACKED COMMON SCALE MAGNETOGRAMS FOR JULY 1995



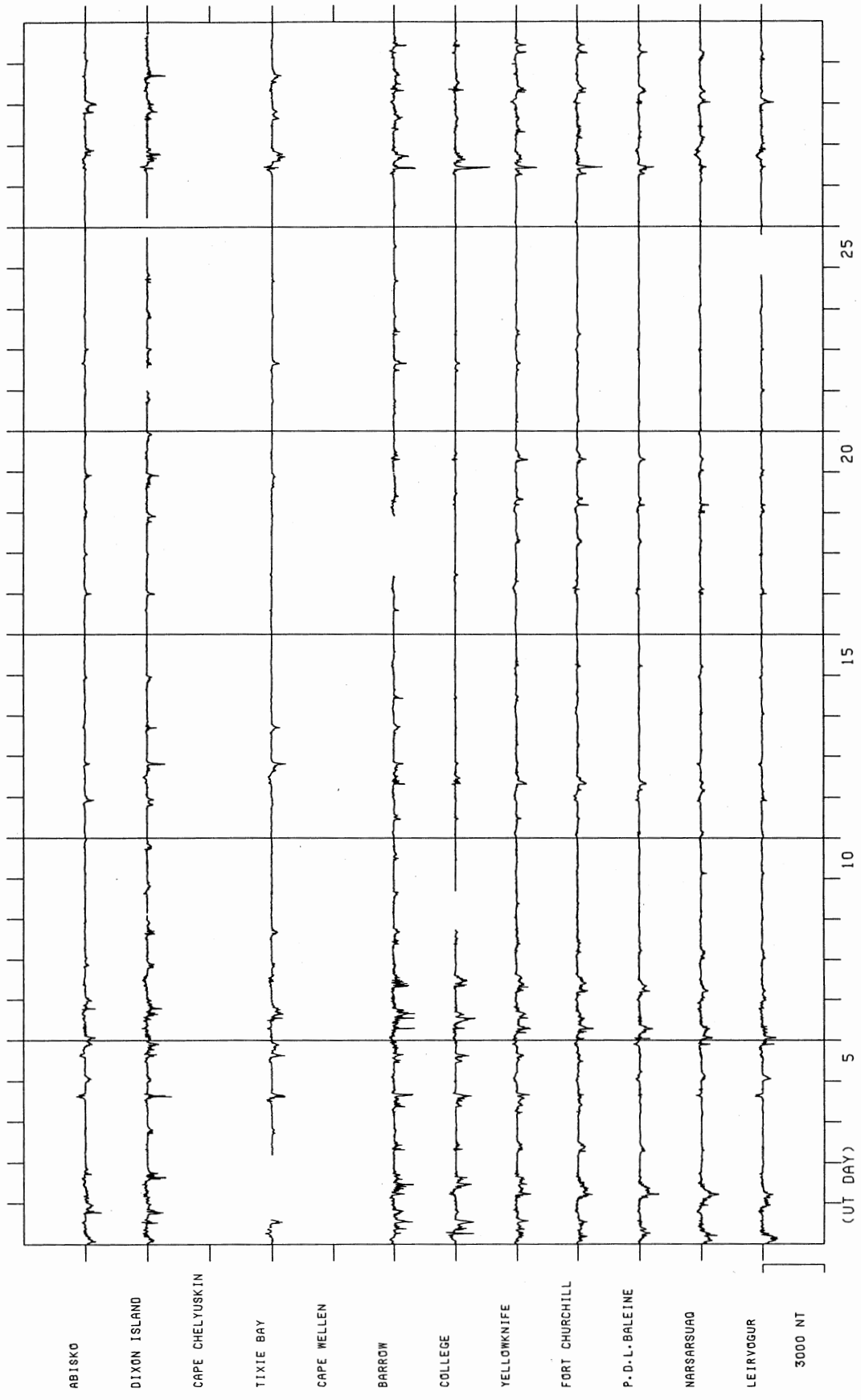
STACKED COMMON SCALE MAGNETOGRAMS FOR AUGUST 1995



STACKED COMMON SCALE MAGNETOGRAMS FOR SEPTEMBER 1995

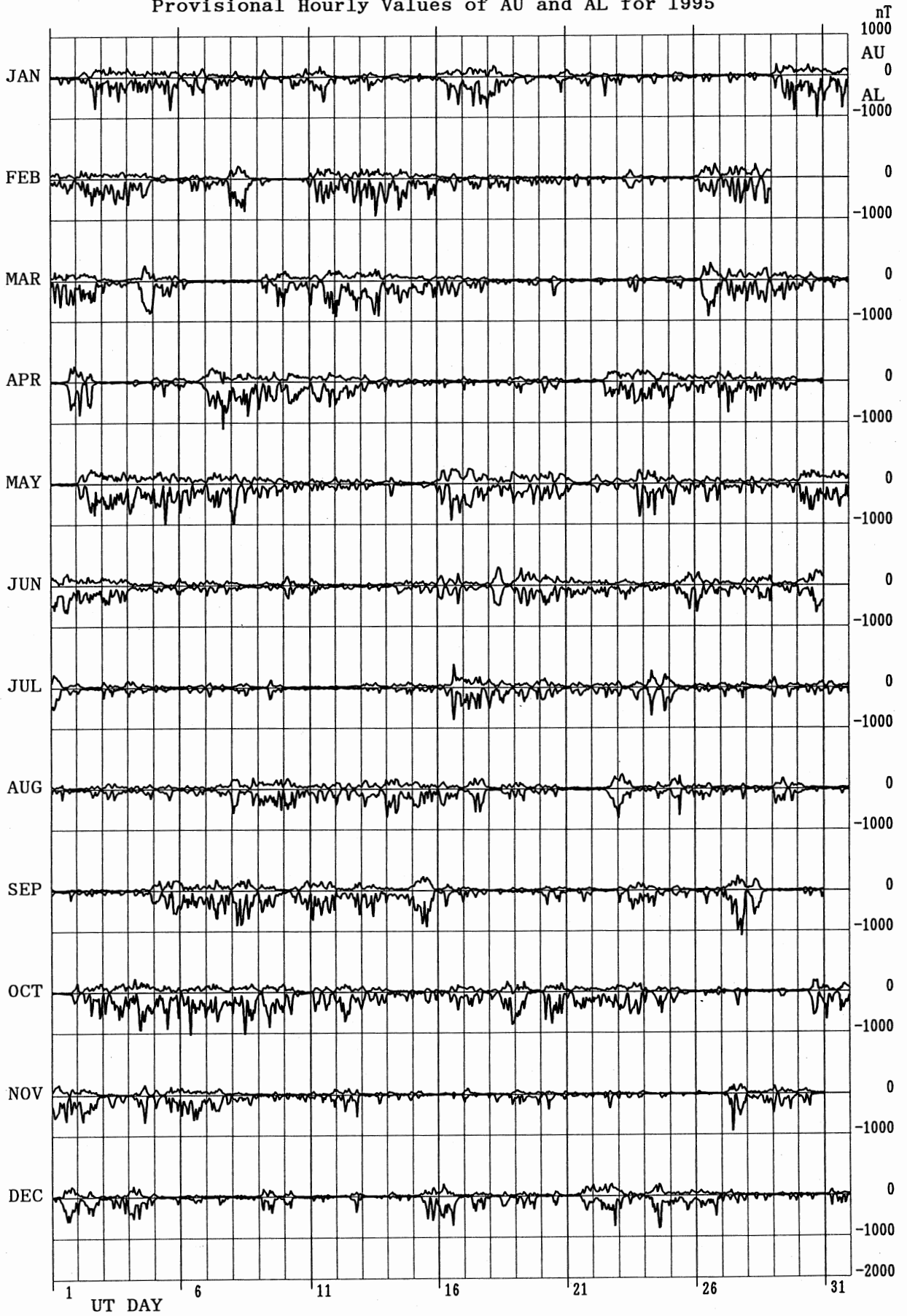


STACKED COMMON SCALE MAGNETOGRAMS FOR OCTOBER 1995

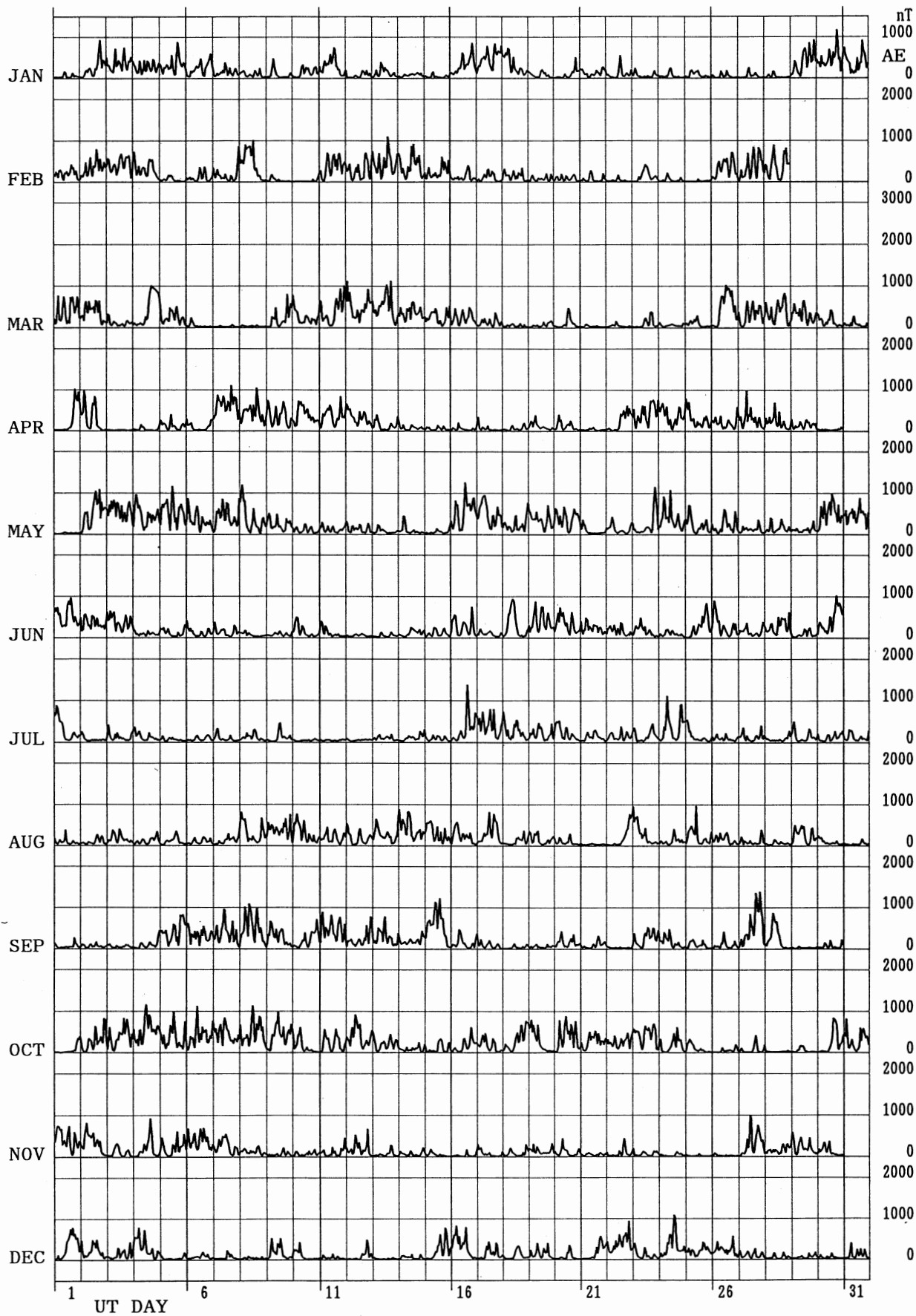


STACKED COMMON SCALE MAGNETOGRAMS FOR NOVEMBER 1995

Provisional Hourly Values of AU and AL for 1995



Provisional Hourly Values of AE index for 1995



1. Data Catalogue	Published in
Data Catalogue of World Data Center for Geomagnetism, Kyoto (No. 25)	1999
2. Data Books	
No. 1 Equivalent current systems of the daily geomagnetic variations in December 1964	1978
No. 2 Electric fields and neutral winds in the ionospheric dynamo region as deduced from the daily geomagnetic variations in December 1964	1979
No. 3 Auroral Electrojet (AE) indices for January-June 1978	1981
No. 4 Auroral Electrojet (AE) indices for July-December 1978	1981
No. 5 Auroral Electrojet (AE) indices for January-June 1979	1982
No. 6 Auroral Electrojet (AE) indices for July-December 1979	1982
No. 7 Auroral Electrojet (AE) indices for January-June 1980	1983
No. 8 Auroral Electrojet (AE) indices for July-December 1980	1983
No. 9 Auroral Electrojet (AE) indices for January-June 1981	1984
No. 10 Auroral Electrojet (AE) indices for July-December 1981	1984
No. 11 Auroral Electrojet (AE) indices for January-June 1983	1985
No. 12 Auroral Electrojet (AE) indices for July-December 1982	1985
No. 13 Auroral Electrojet (AE) indices for July-December 1983	1986
No. 14 Auroral Electrojet (AE) indices for January-June 1982	1986
No. 15 Auroral Electrojet (AE) indices for January-June 1984	1987
No. 16 Auroral Electrojet (AE) indices for July-December 1984	1988
No. 17 Auroral Electrojet (AE) indices for July-December 1985	1989
No. 18 Auroral Electrojet (AE) indices for January-June 1985	1989
No. 19 Auroral Electrojet (AE) indices for January-June 1986	1990
No. 20 Auroral Electrojet (AE) indices for July-December 1986	1991
No. 21 Auroral Electrojet (AE) indices for January-June 1987	1992
No. 22 Auroral Electrojet (AE) indices for July-December 1987	1993
No. 23 Auroral Electrojet (AE) indices for January-June 1988	1994
No. 24 Provisional Auroral Electrojet (AE) indices for January-December 1991	1998
No. 25 Provisional Auroral Electrojet (AE) Indices for January-December 1992	1998
3. Prompt Reports	
Provisional Equatorial Dst Index (since Oct. 1985)	monthly
Provisional Auroral Electrojet Indices (AE11) for March 1989	1989
Provisional Auroral Electrojet Indices (AE11) for Jan-Dec 1990	1995
Provisional Auroral Electrojet Indices (AE11) for Jan-Dec 1993	1996
Provisional Auroral Electrojet Indices (AE11) for Jan-Dec 1994	1998
Provisional Geomagnetic Data Plots No1 (Jan-Dec 1989)	1990
Provisional Geomagnetic Data Plots No2 (Jan-Jun 1990)	1990
Provisional Geomagnetic Data Plots No3 (Jul-Dec 1990)	1991
Provisional Geomagnetic Data Plots No4 (Jan-Jun 1991)	1992
Provisional Geomagnetic Data Plots No5 (Jul-Dec 1991)	1992
Provisional Geomagnetic Data Plots No6 (Jan-Jun 1992)	1992
Provisional Geomagnetic Data Plots No7 (Jul-Dec 1992)	1993
Provisional Geomagnetic Data Plots No8 (Jan-Jun 1993)	1993
Provisional Geomagnetic Data Plots No9 (Jul-Dec 1993)	1994
Provisional Geomagnetic Data Plots No10 (Jan-Jun 1994)	1994
Provisional Geomagnetic Data Plots No11 (Jun-Dec 1994)	1995
Provisional Geomagnetic Data Plots No12 (Jan-Jun 1995)	1995
Provisional Geomagnetic Data Plots No13 (Jul-Dec 1995)	1996
Provisional Geomagnetic Data Plots No14 (Jan-Jun 1996)	1996
Provisional Geomagnetic Data Plots No15 (Jul-Dec 1996)	1997
Provisional Geomagnetic Data Plots No16 (Jan-Dec 1997)	1998
Provisional Geomagnetic Data Plots No17 (Jan-Jun 1998)	1998

Provisional Geomagnetic Data Plots No18 (Jul-Dec 1998)	1999
Provisional Geomagnetic Data Plots No19 (Jan-Jun 1999)	1999
Provisional Geomagnetic Data Plots No20 (Jul-Dec 1999)	2000
Provisional Geomagnetic Data Plots No21 (Jan-Jun 2000)	2000

4. Other publications

Report of Aeromagnetic Survey in Japan	1966
Japanese WMS Magnetic Charts for 1965	1966
WMA Inventory; First Issue	1970
WMA Inventory; Second Issue	1971
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.1 1989 - 1990	1992
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.2 1991	1993
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.3 1992	1994
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.4 1993	1994
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.5 1994	1995
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.6 1995	1996
Mid-Latitude Geomagnetic Indices ASY and SYM (provisional) No.7 1996	1997
Mid-latitude Geomagnetic Indices ASY and SYM (provisional) No.8 1997	1998
Mid-latitude Geomagnetic Indices ASY and SYM (provisional) No.9 1998	1999
Mid-latitude Geomagnetic Indices ASY and SYM (provisional) No.10 1999	2000

(WMA: World Magnetic Archives; WMS: World Magnetic Survey)

The publications above are available on request. Requests should be made by mail to:

WDC for Geomagnetism, Kyoto
 Graduate School of Science
 Kyoto University
 Kyoto 606-8502, Japan

(The WDC for Geomagnetism, Kyoto is operated by the Data Analysis Center for Geomagnetism and Space Magnetism, Graduate School of Science, Kyoto University, Kyoto 606-8502, Japan.)

Many of our data services are available by WWW. The URL of our home page is:

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

