

PROVISIONAL GEOMAGNETIC  
DATA PLOTS  
NO.31

(January - June, 2005)

August 2005

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



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## PREFACE

This booklet contains provisional plots of the geomagnetic data for January - June, 2005 with the Kp index and the international sunspot number. One minute values of the horizontal (or the northward) component are plotted after subtracting the monthly mean of the five-quiet days. The purpose of this booklet is to give the information of world-wide geomagnetic disturbances with high-time resolution as early as possible. Hence the provisional data without base-line adjustment or noise reduction (marked with \* in Table 1) are included. There still remain artificial noises on the plots though we tried to eliminate them. Users should be careful on these points, and the plots in this booklet should not be used in other publications.

These data were kindly provided through the following organizations.

- (1) World Data Center-A for STP and The U.S. Geological Survey .
- (2) Leirvogur Magnetic Observatory, University of Iceland.
- (3) Valentia Observatory of Meteorological Service.
- (4) Kakioka Magnetic Observatory.
- (5) Telecommunication Training Institute.
- (6) Hermanus Magnetic Observatory.
- (7) Swedish Institute of Space Physics in Kiruna.
- (8) Chambon-la-Foret Magnetic Observatory.
- (9) Danish Meteorological Institute.
- (10) Institute de Physique du Globe de Strasbourg.
- (11) Indian Institute of Geomagnetism.
- (12) Instituto Geofisico del Peru.
- (13) Institute of Geophysics, China Earthquake Administration and Xinjiang Province Seismological Bureau
- (14) Institute of Geophysics, China Earthquake Administration, and Yinchuan Geomagnetic Observatory

The distribution and the information of the stations are shown in Figure 1 and Table 1, respectively. The Kp index was provided by GeoForschungsZentrum Potsdam. The international sunspot number is provided by the Sunspot Index Data Center, Brussels.

The Post-Script files of these plots for the latest issue are available from WWW home page

<http://swdcwww.kugi.kyoto-u.ac.jp/wdc/Sec3.html#ARCH>

or from anonymous FTP directory at our data center. The IP address and the directory are as follows:

IP address: 130.54.59.253 (swdcdb)

Directory: anonymous (Change directory to './data/pplot' after logging in.)

Each file is compressed and has a name YYMMD1-D2.ps.gz (for example, 050515-16.ps.gz for May 15-16, 2005). Each file contains the plot of the each page of this booklet. Files should be transferred in binary mode and uncompressed.

For further information or the digital data, please contact

World Data Center for Geomagnetism, Kyoto  
 Graduate school of Science,  
 Kyoto University  
 Kyoto 606-8502, Japan.

Telephone: 81-75-753-3929  
 Facsimile: 81-75-722-7884  
 E-mail: iyemori@kugi.kyoto-u.ac.jp  
 WWW: <http://swdcwww.kugi.kyoto-u.ac.jp/>

Table 1. List of stations used in this booklet. The 17 stations among them are used in the plots.

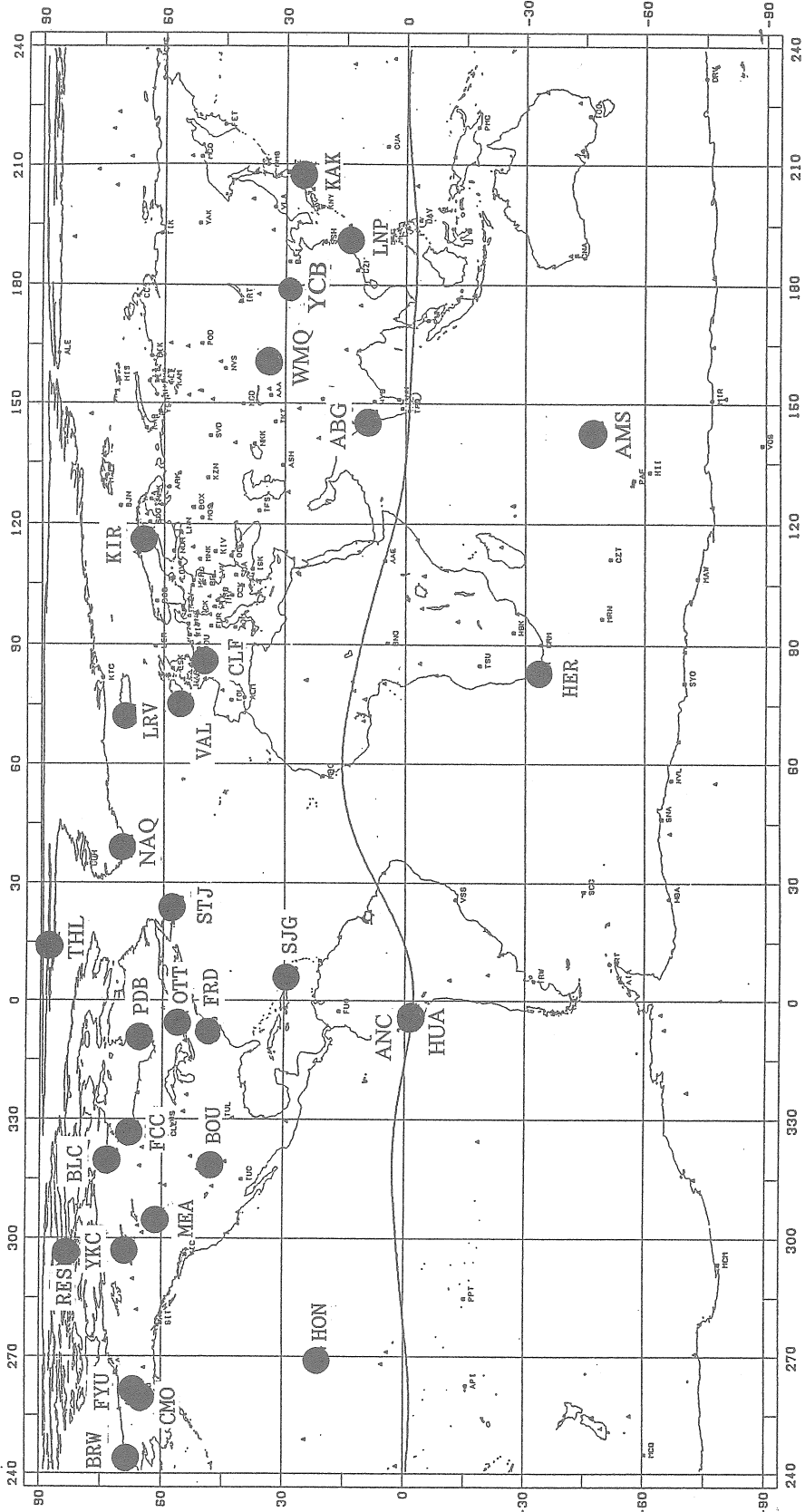
STATION NAME	ABB CODE	ORG No.	GEOGRAPHIC		GEOMAGNETIC		INVARIANT PLOT	
			LAT.	LONG.	LAT.	LONG.	LAT.	SCALE
*Tule	THL	9	76.6	291.2	87.2	12.4	85.9	500nT/div
*Resolute Bay	RES	1	74.7	265.1	83.1	296.0	83.9	"
*Baker Lake	BLC	1	64.3	264.0	73.7	319.2	74.6	"
*Narsarsuaq	NAQ	9	61.2	314.6	70.6	38.7	67.5	"
Leirvogur	LRV	2	64.2	338.3	69.7	72.0	65.7	"
*Yellowknife	YKC	1	62.5	245.5	69.1	296.6	69.8	"
*Barrow	BRW	1	71.3	203.3	69.1	243.7	69.6	"
*Fort Churchill	FCC	1	58.8	265.9	68.5	326.1	69.6	"
*Pos. de la Baleine	PDB	1	55.3	282.3	66.2	350.3	66.8	"
Kiruna	KIR	7	67.8	20.4	65.1	116.2	64.5	"
*College	CMO	1	64.9	212.2	65.1	259.2	64.8	"
*St. Johns	STJ	1	47.6	307.3	57.9	23.4	55.6	100nT/div
Valentia	VAL	3	51.9	349.8	56.2	74.8	51.0	"
*San Juan	SJG	1	18.4	293.9	29.1	5.2	32.5	"
*Fredericksburg	FRD	1	38.2	282.6	49.1	352.2	50.7	"
*Boulder	BOU	1	40.1	254.8	48.7	319.0	49.1	"
*Honolulu	HON	1	21.3	202.0	21.5	268.6	20.2	"
Kakioka	KAK	4	36.2	140.2	26.6	207.8	25.9	"
Lunping	LNP	5	25.0	121.2	14.2	191.3	7.6	"
Martin de Vivies	AMS	10	-37.8	77.6	-46.9	142.8	48.6	"
Chambon-la-Foret	CLF	8	48.0	2.3	50.1	85.7	45.7	"
*Hermanus	HER	6	-34.4	19.2	-33.9	83.4	43.6	"
*Urumqi	WMQ	13	43.8	87.7	33.7	162.0	36.5	"
*Yinchuan	YCB	14	38.5	106.3	28.5	178.1	29.0	"
*Alibag	ABG	11	18.6	72.9	9.9	145.8	----	"
*Ancon	ANC	12	-11.8	282.9	-1.1	354.4	Near Mag. Eq.	"
*Huancayo	HUA	12	-12.1	284.7	-1.4	356.2	Mag. Equator	"

\*: Provisional data

#### Acknowledgments:

The compilation of the geomagnetic data and publication of this booklet have been supported in part by grant 127008 and 178061 under the Japan Society for Promotion of science (JSPS).

# DISTRIBUTION OF GEOMAGNETIC OBSERVATORIES



GEOMAGNETIC COORDINATE (1985. 0)

— DIP EQUATOR AT 100 KM ALTITUDE

Fig. 1 Data are obtained at the observatories shown by the solid circles.  
15 stations among those shown in this figure are used for the plots.



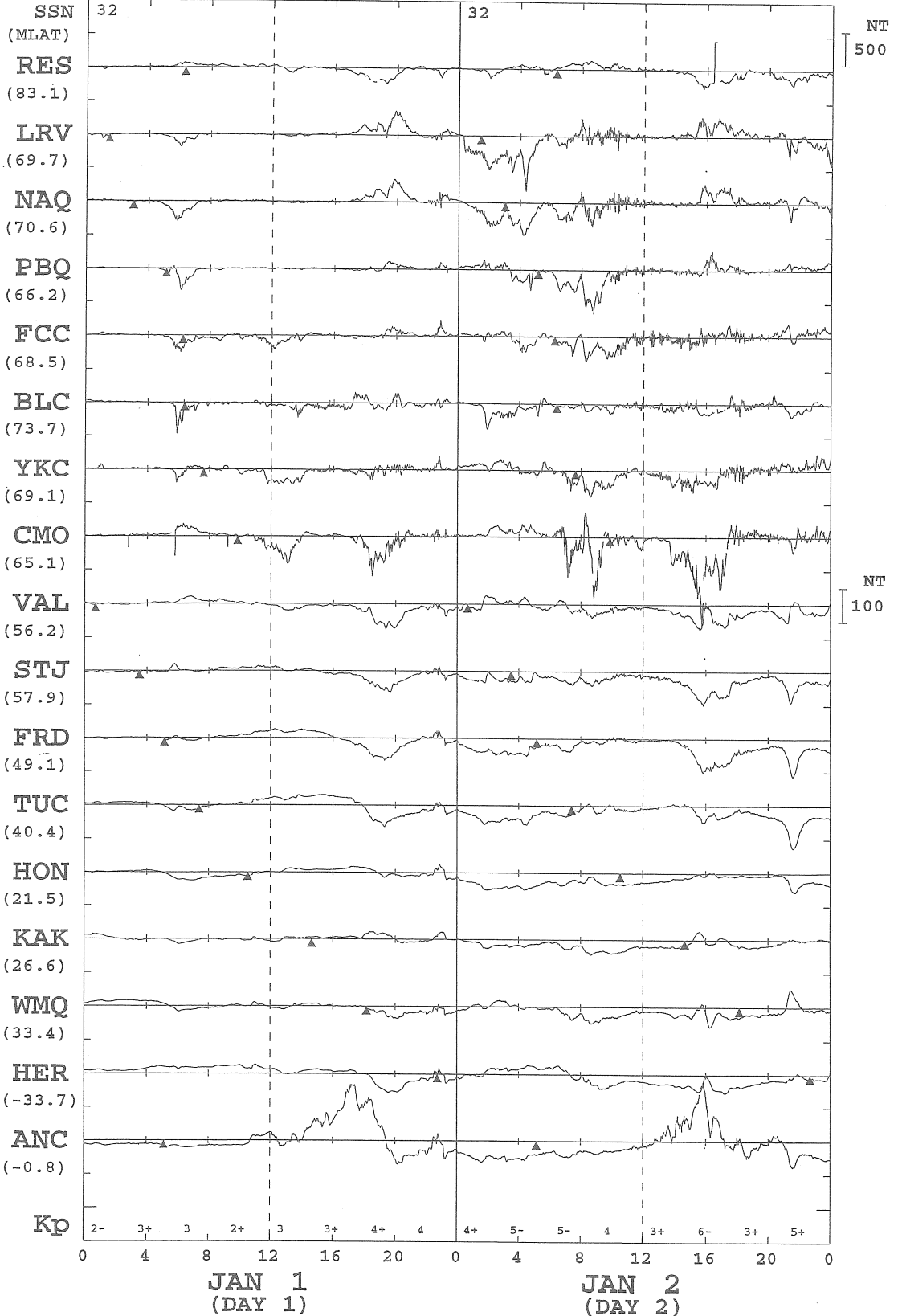


January - June, 2005



# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

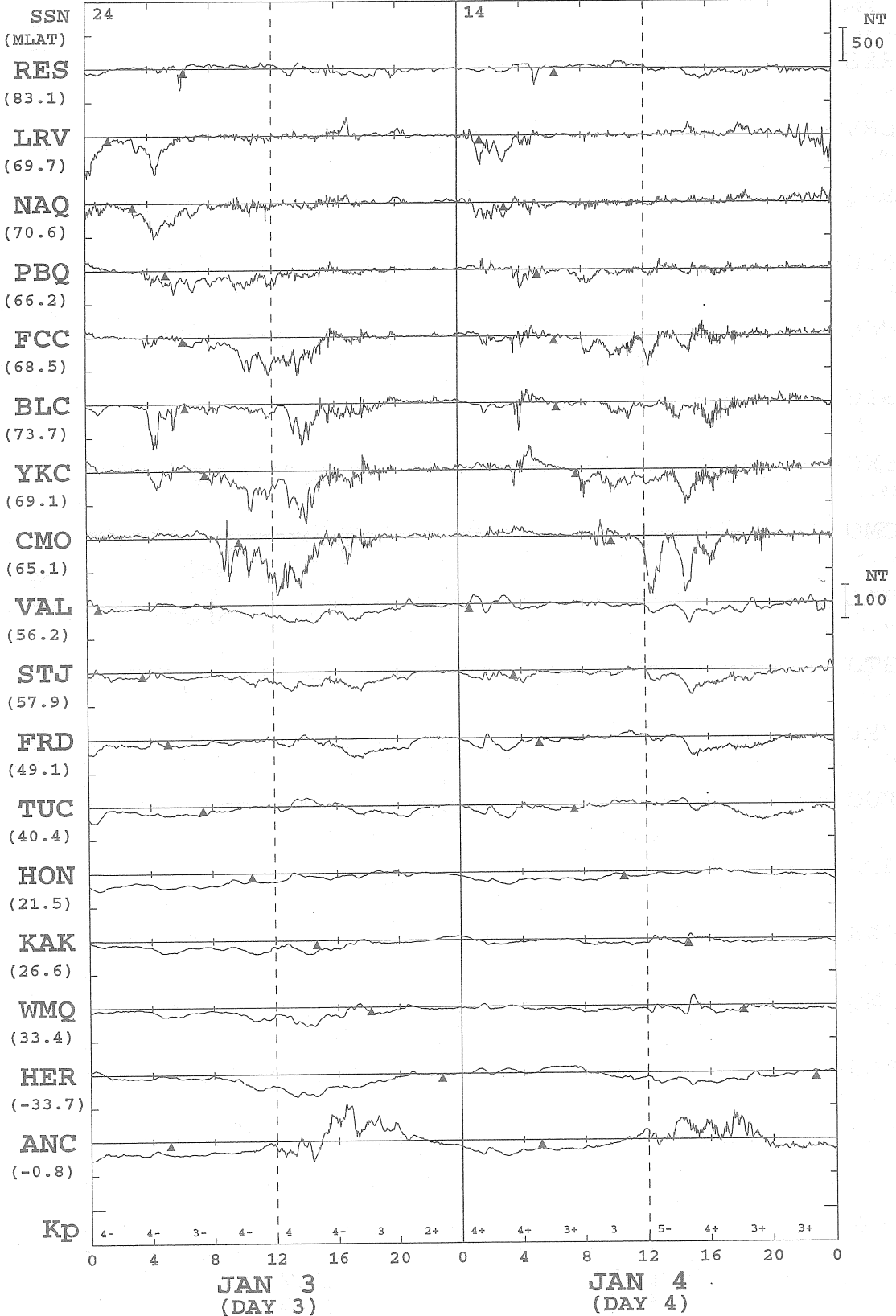


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

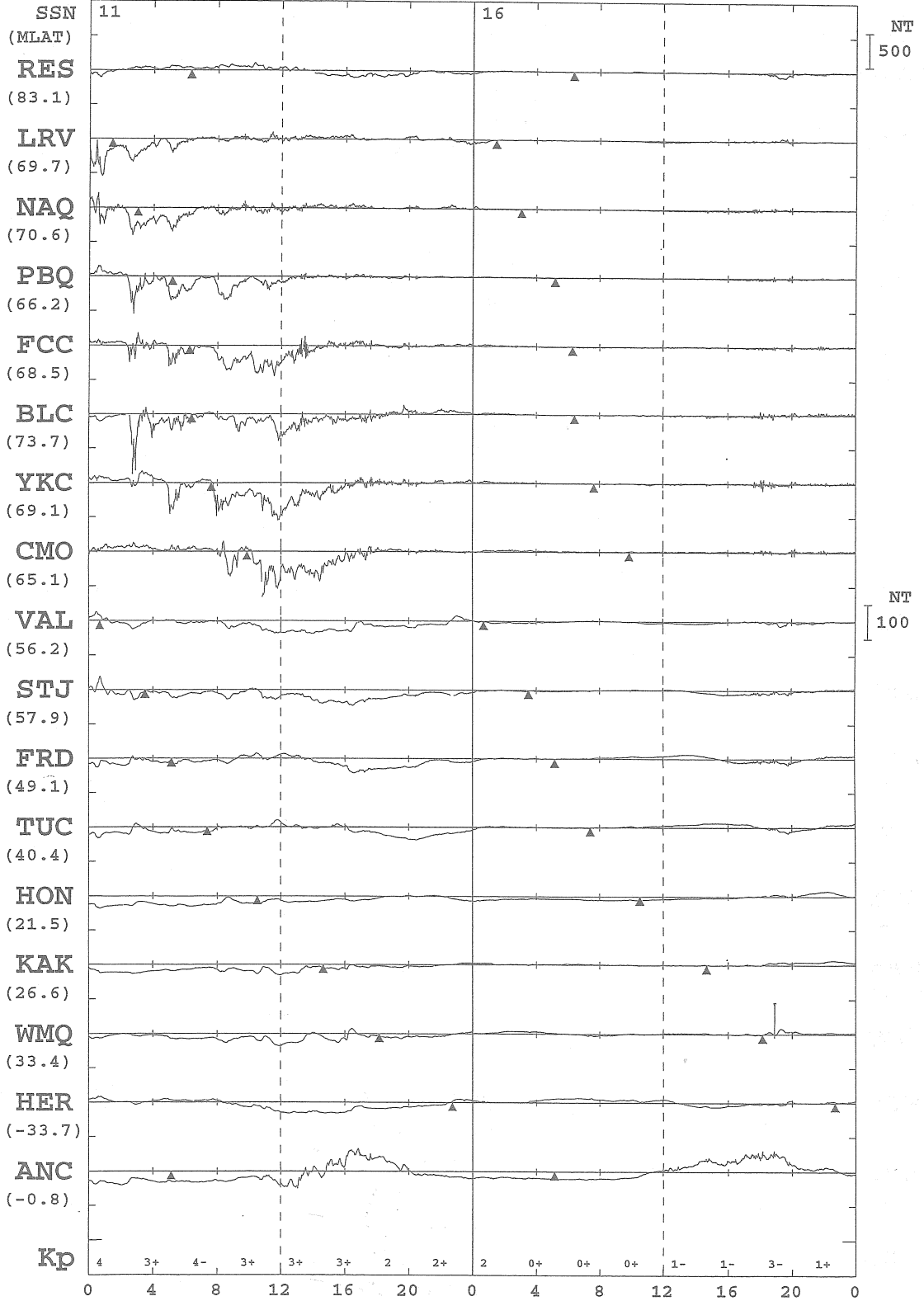


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KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

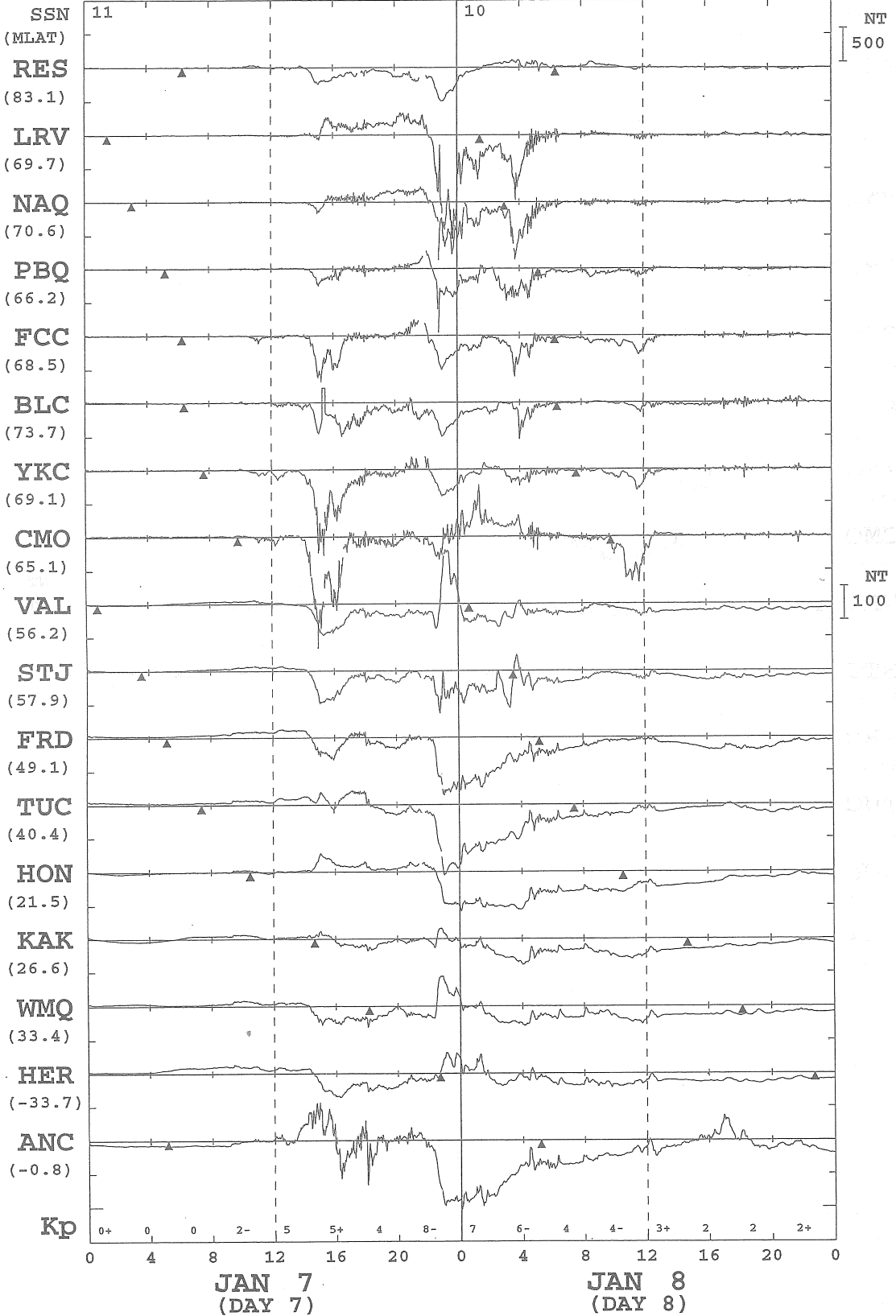


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KYOTO UNIV.

2005 H OR X-COMPONENT

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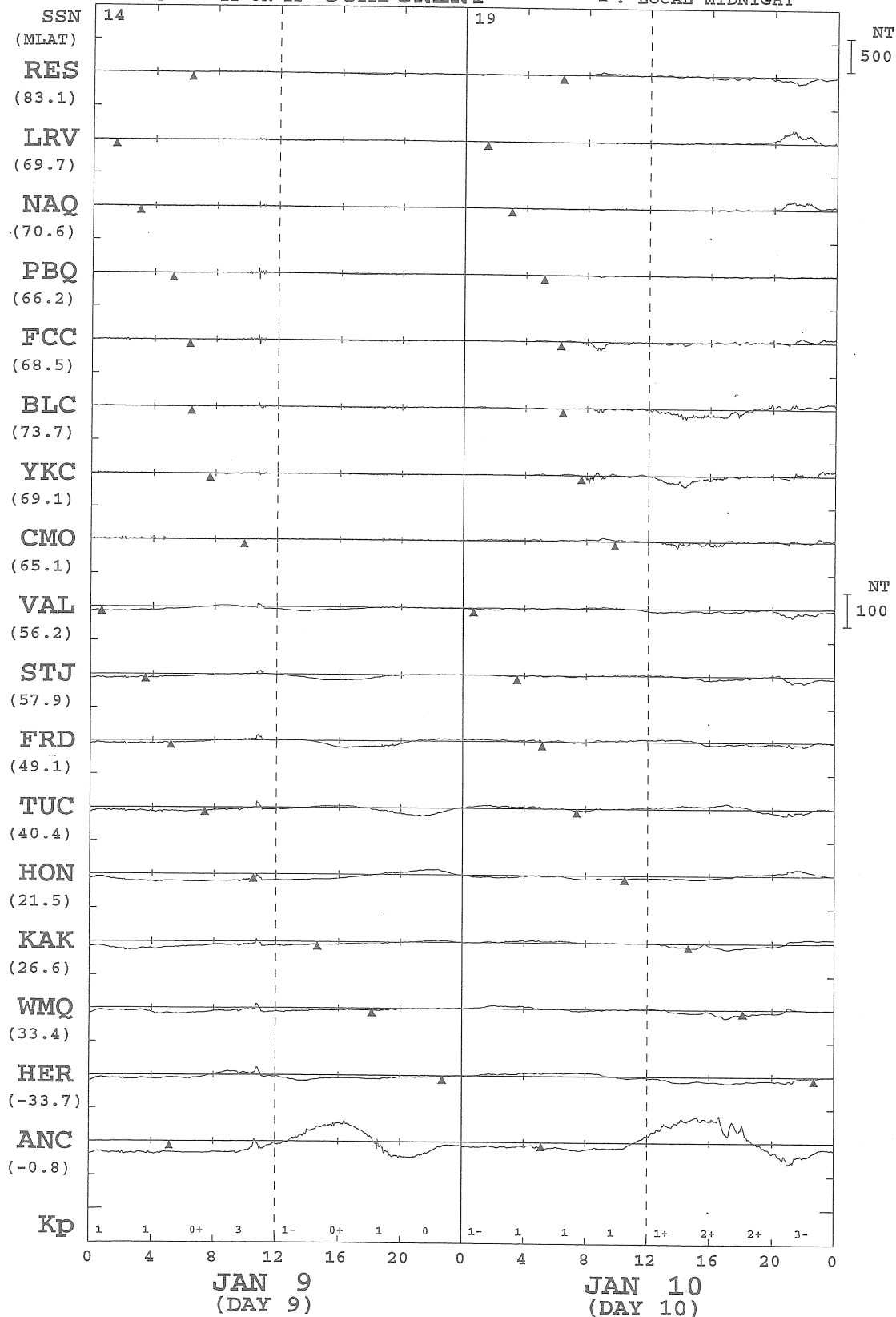


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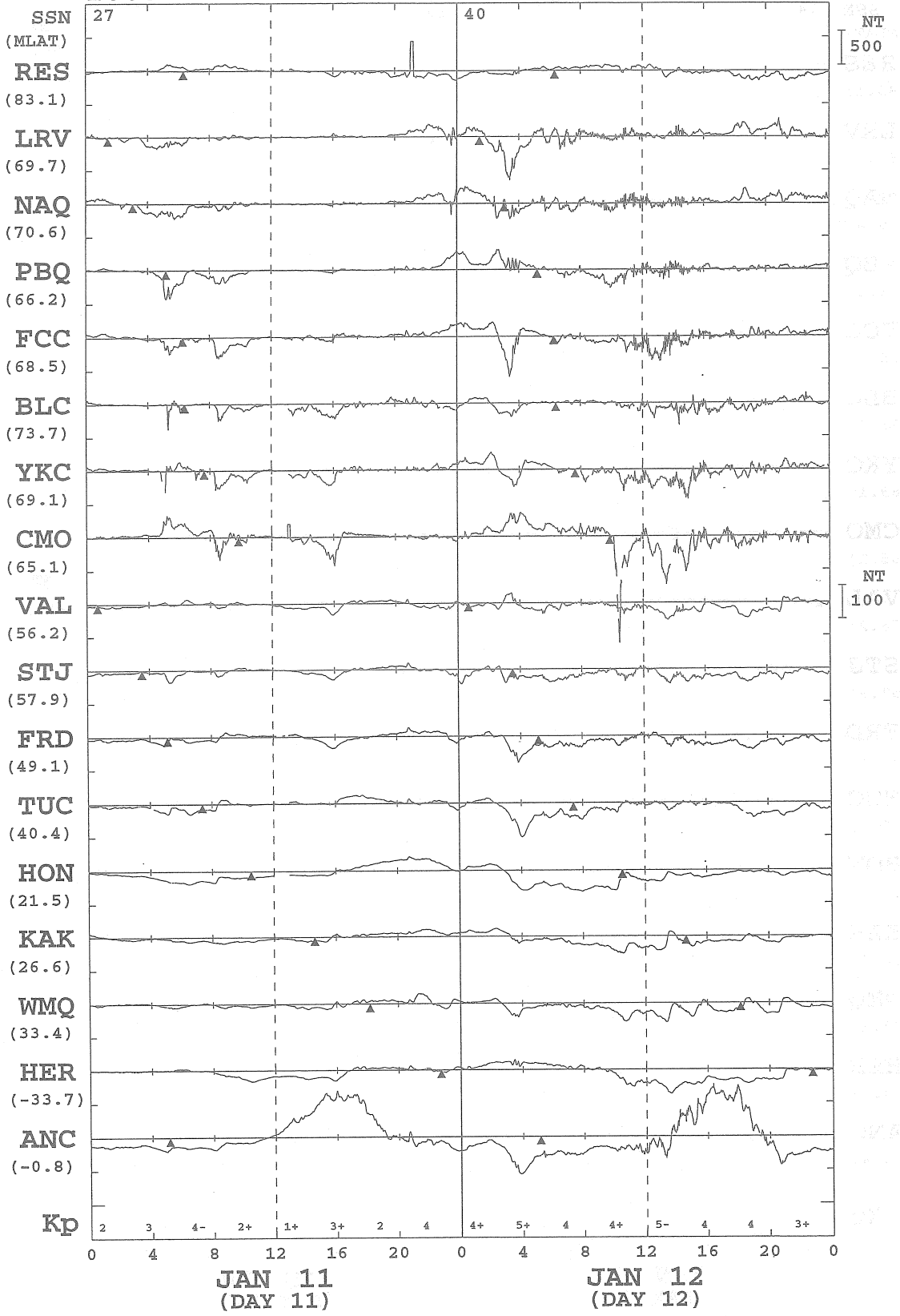
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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



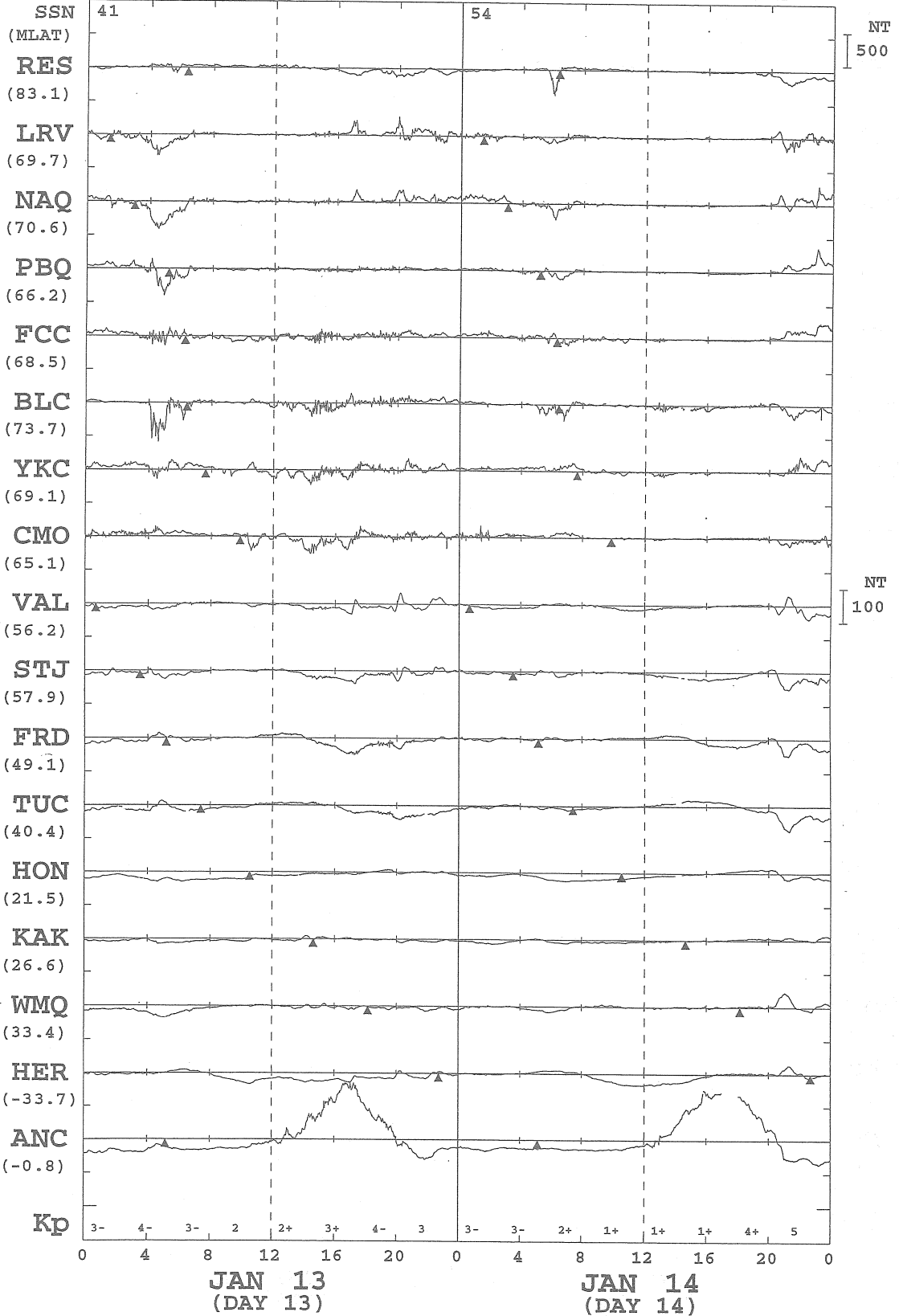
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
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KYOTO UNIV.



# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

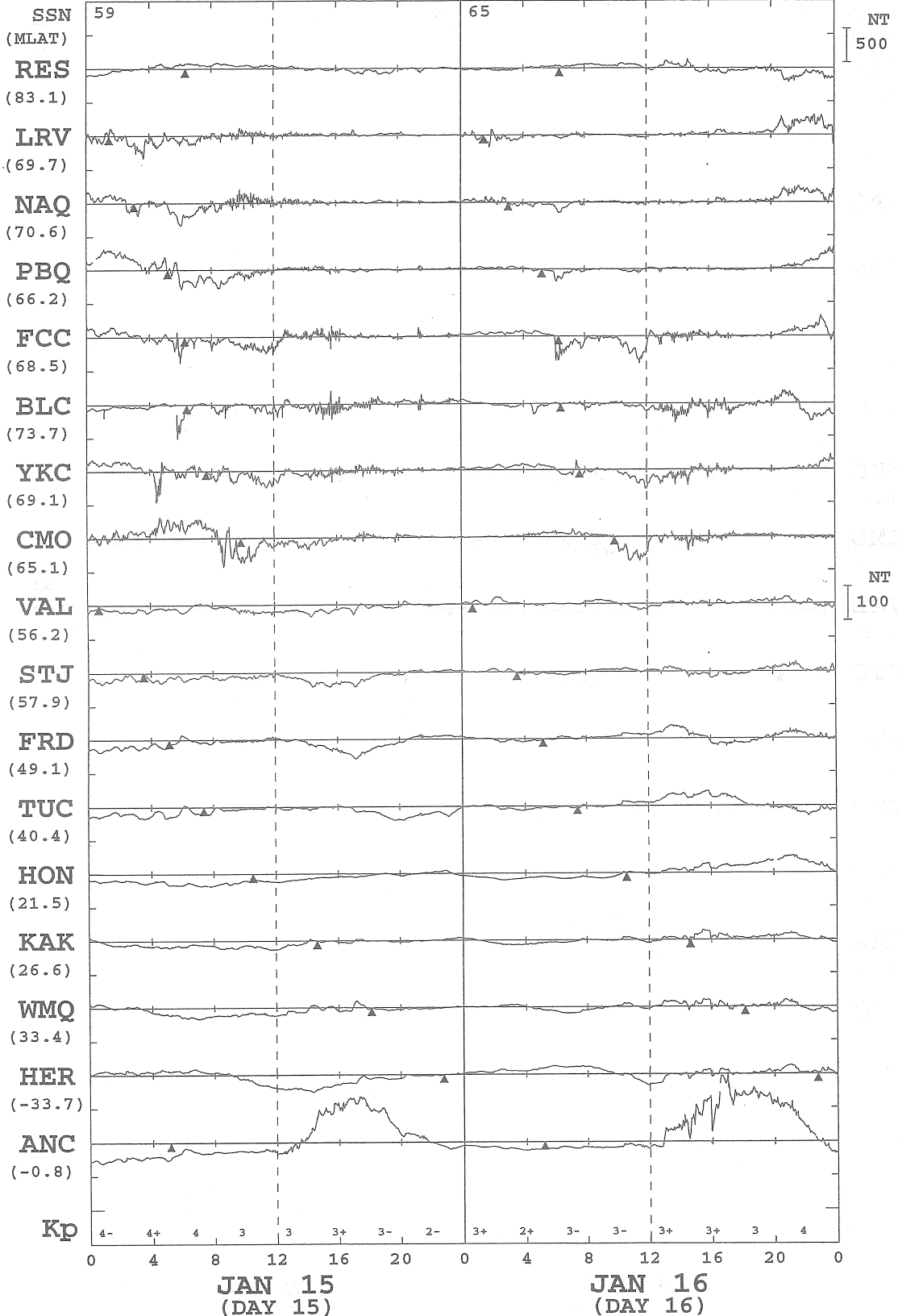


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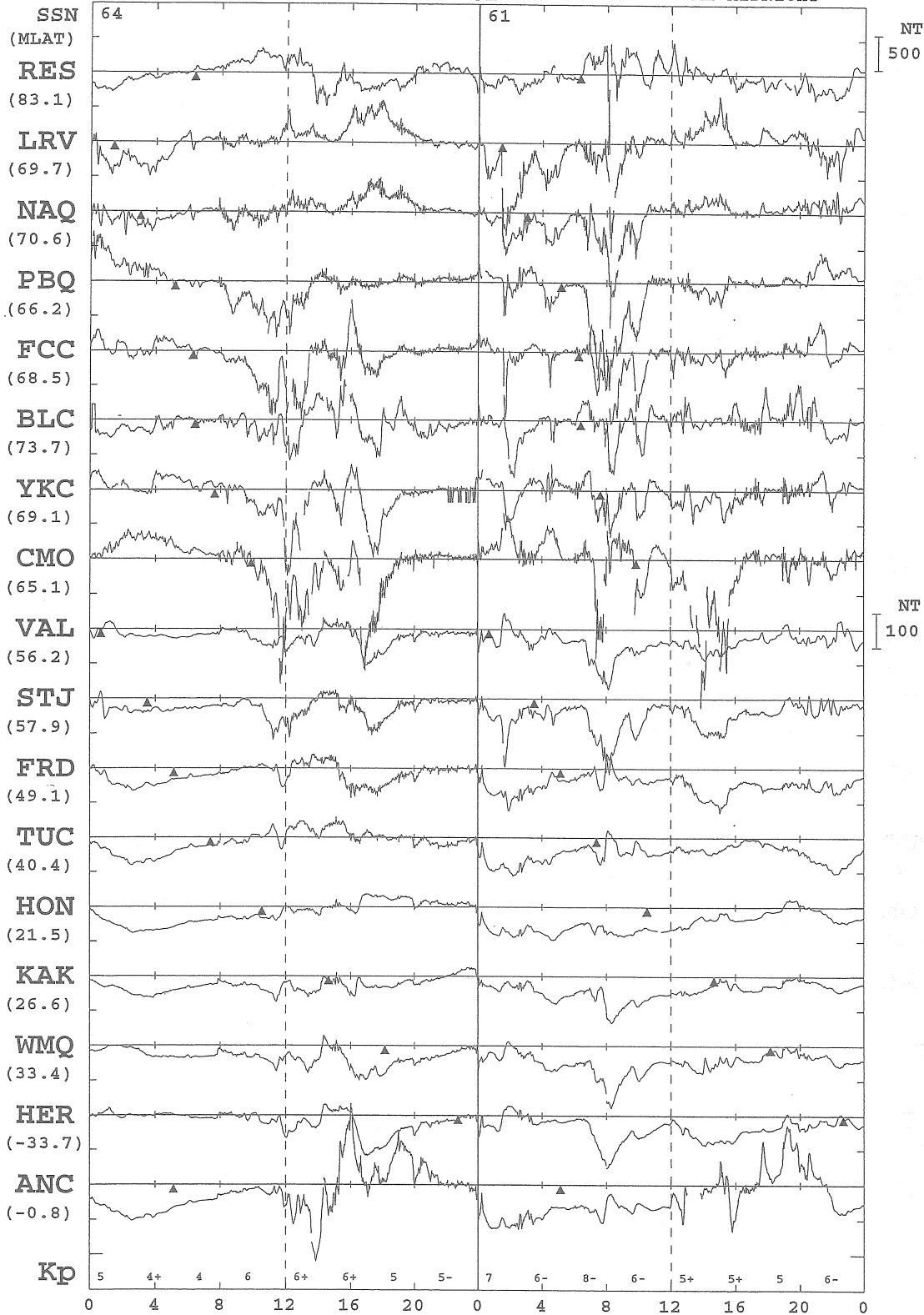
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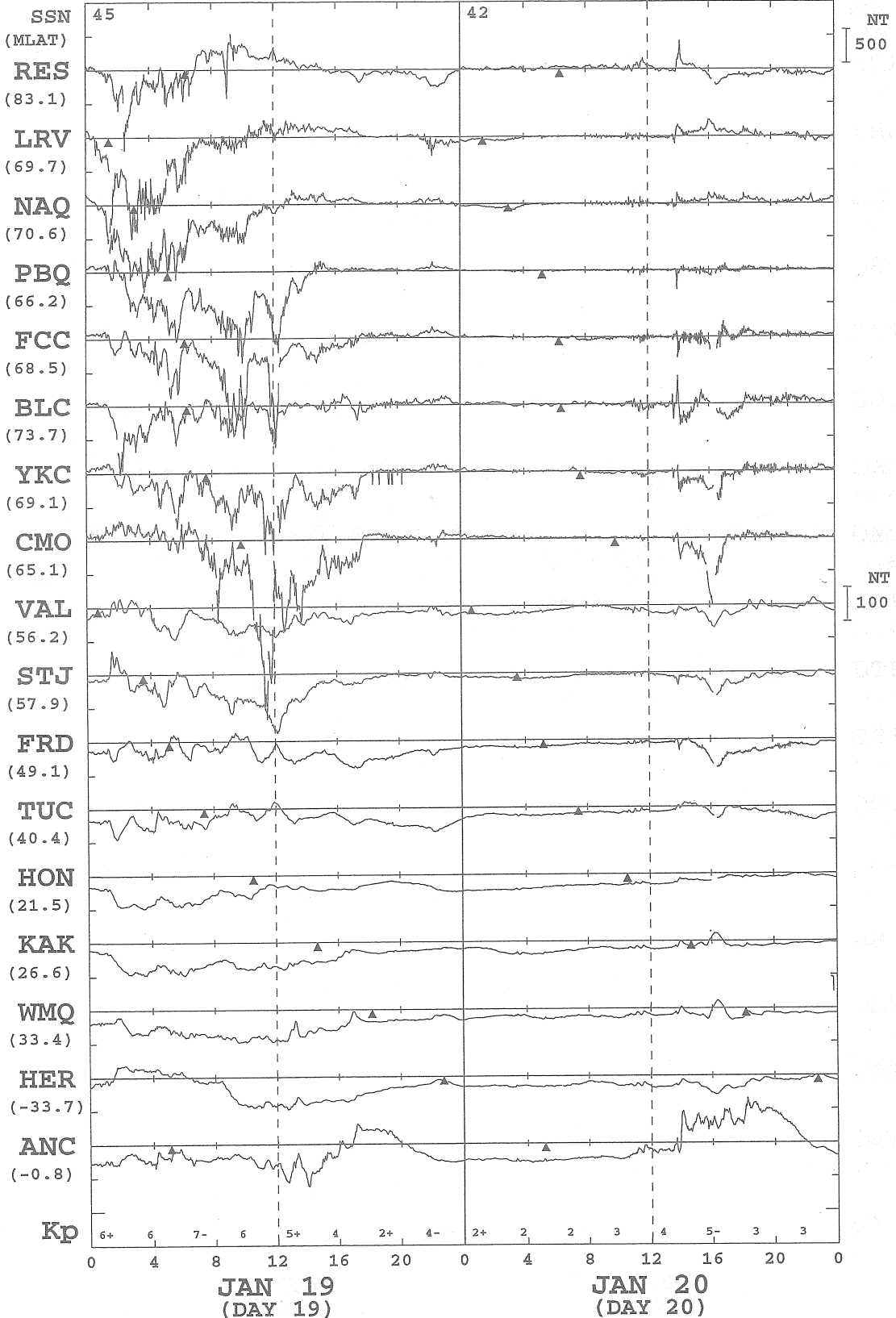
2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

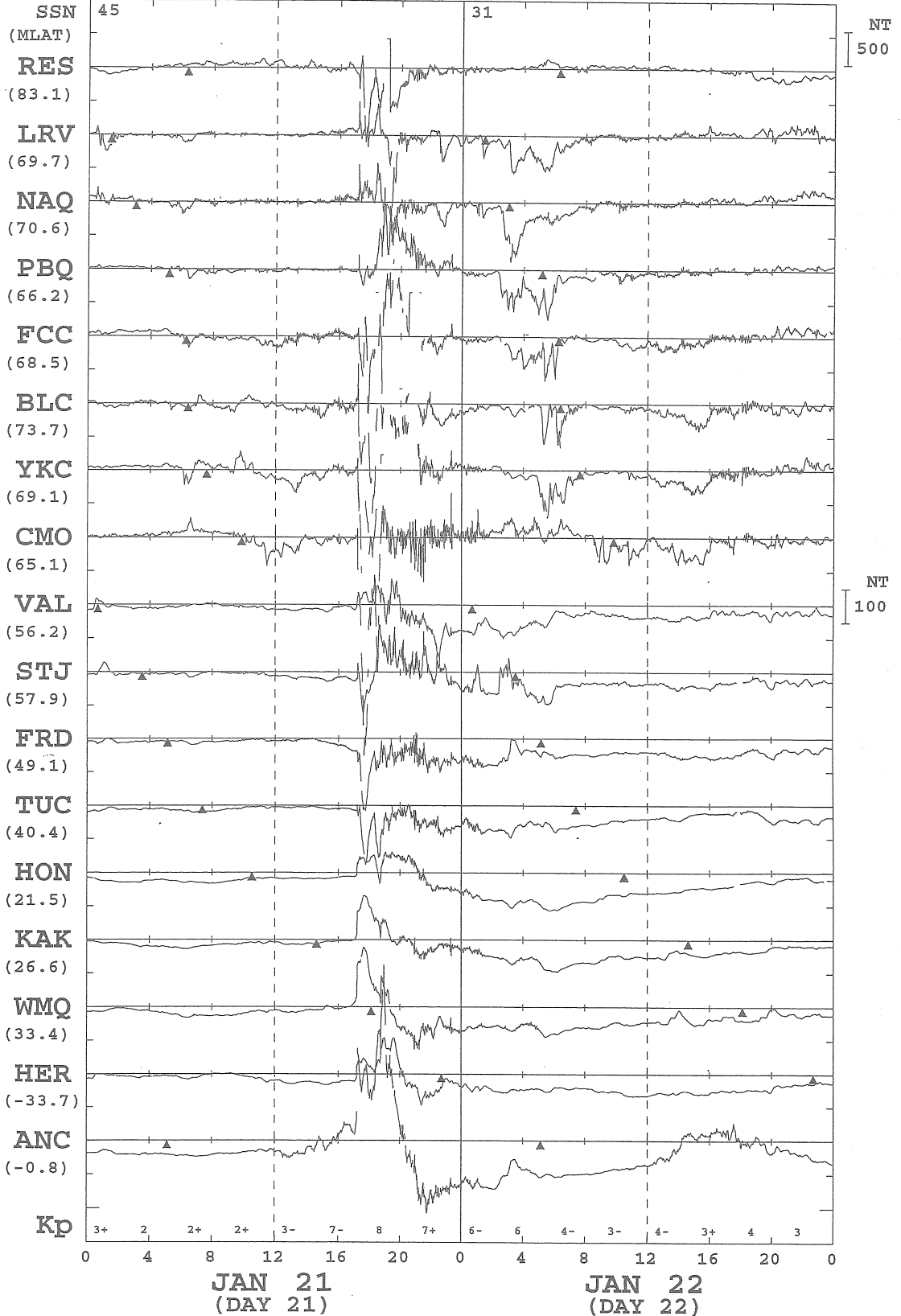


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2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

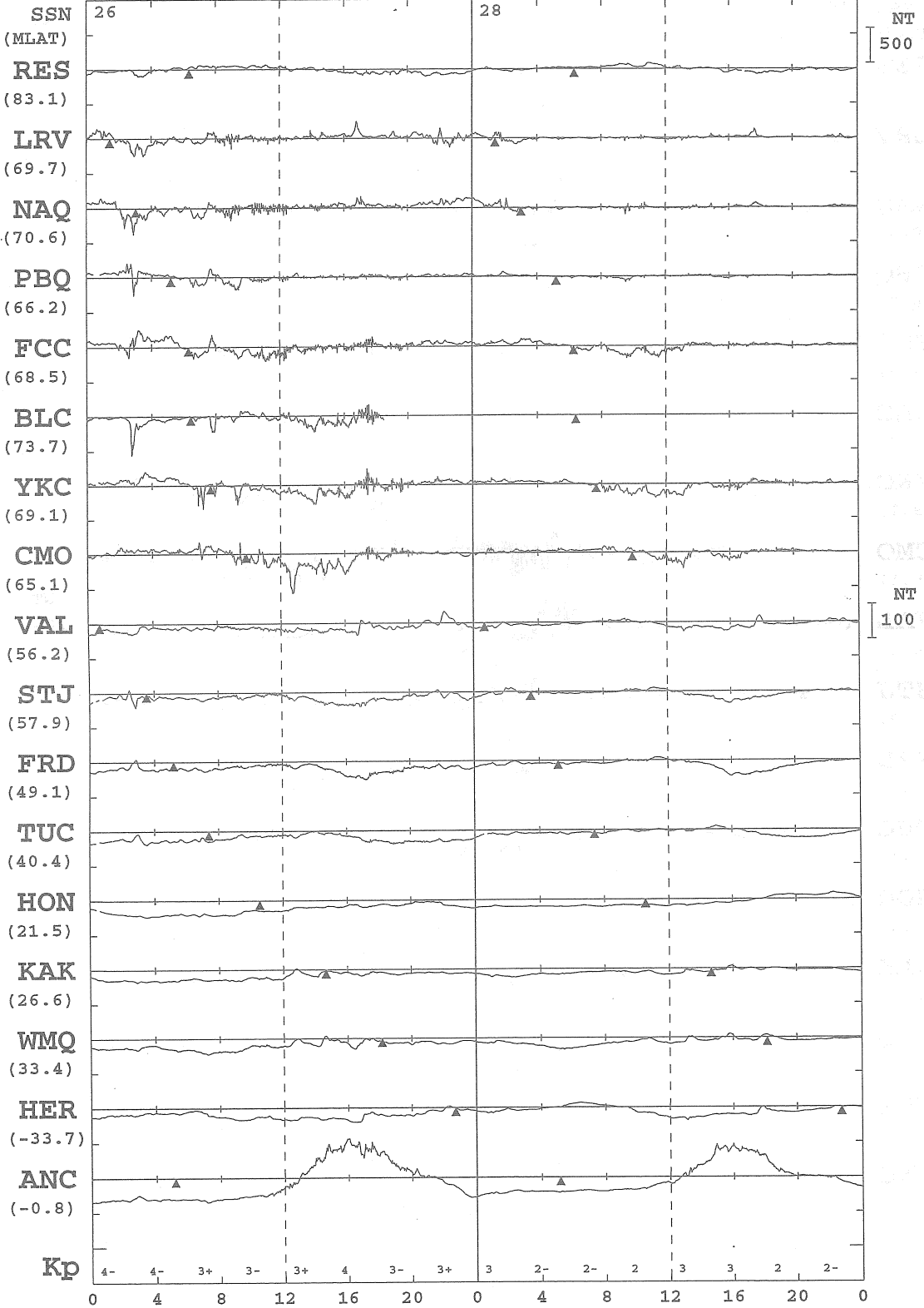


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2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



JAN 23  
(DAY 23)

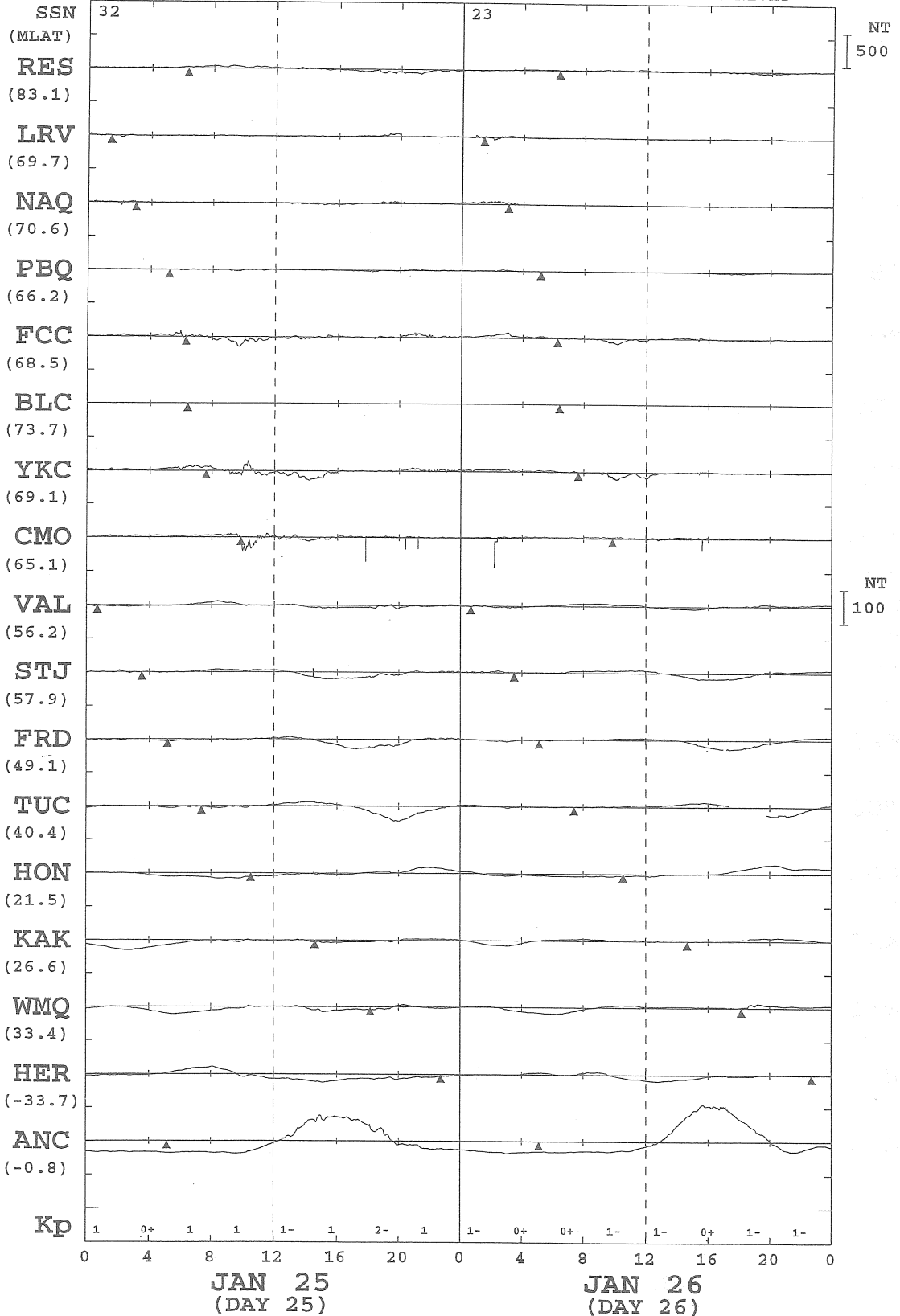
JAN 24  
(DAY 24)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

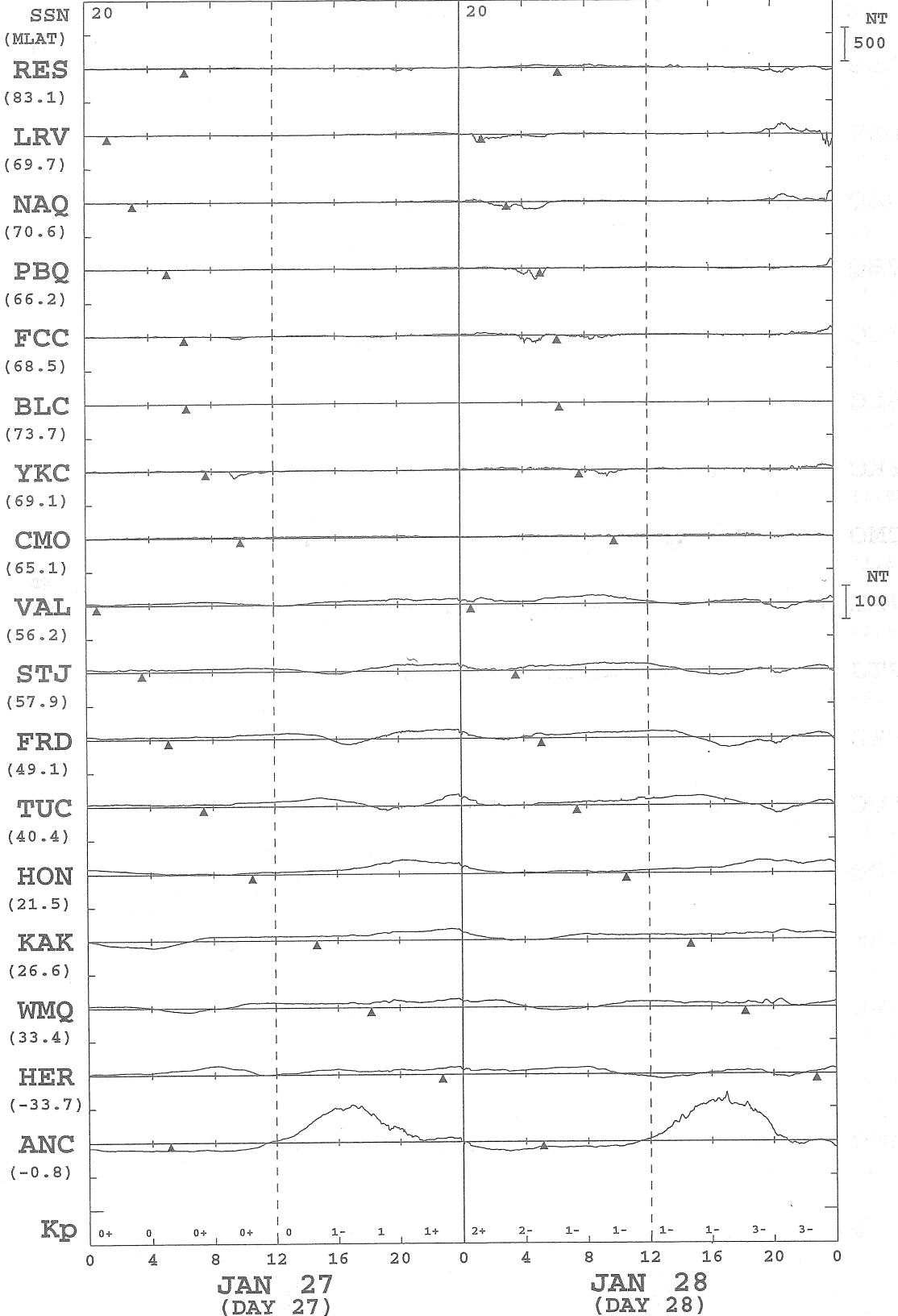
▲ : LOCAL MIDNIGHT



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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



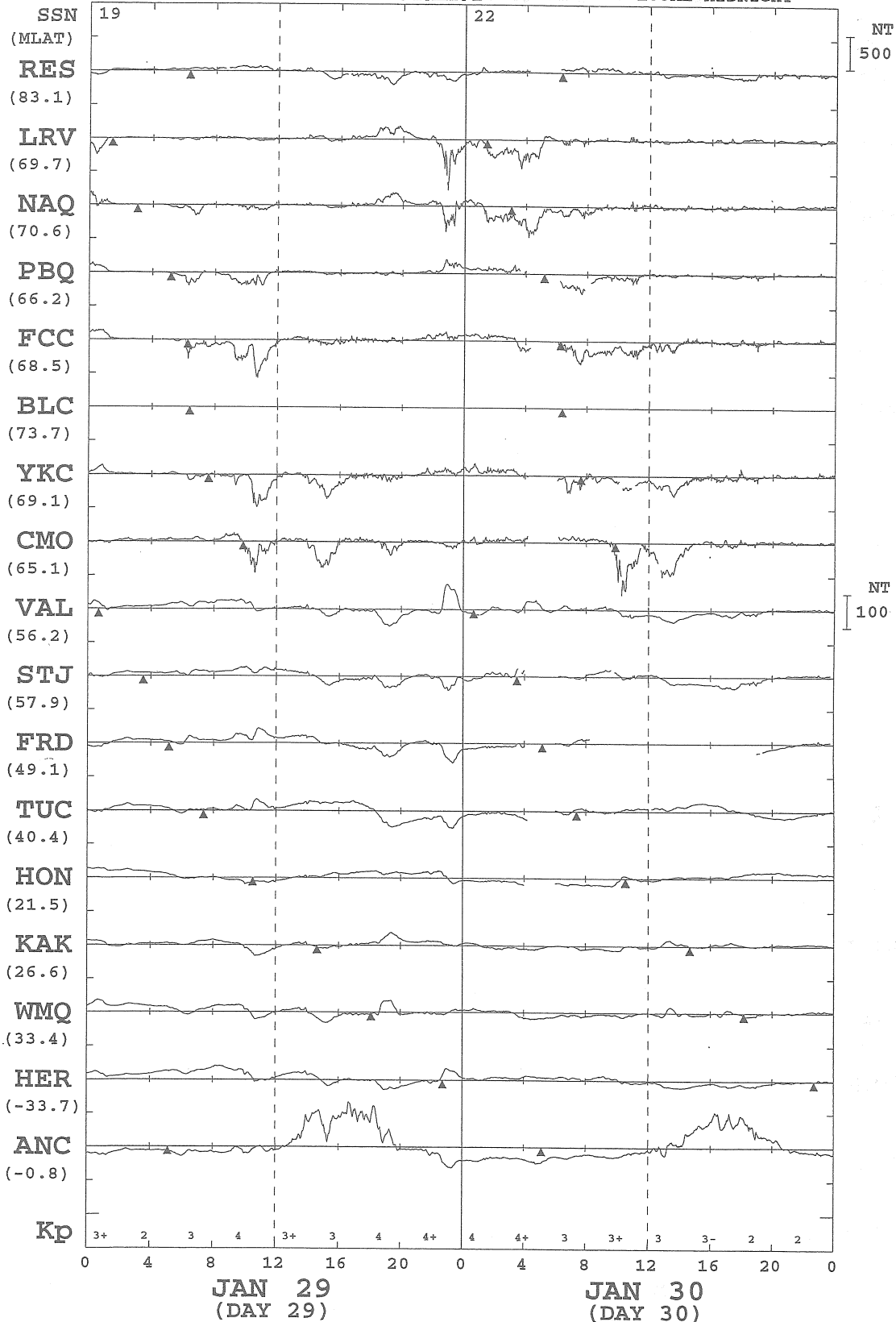
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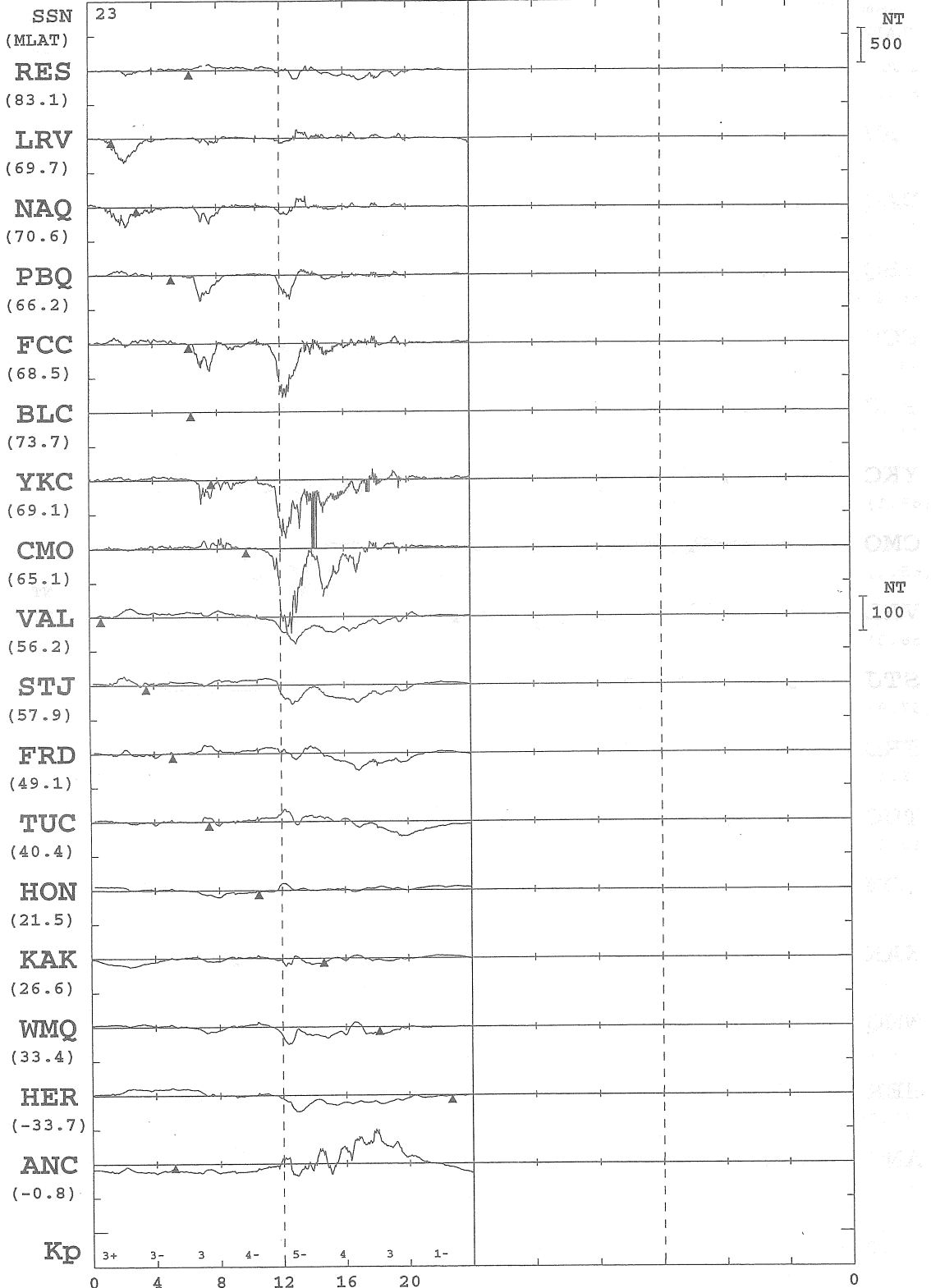
▲ : LOCAL MIDNIGHT



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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



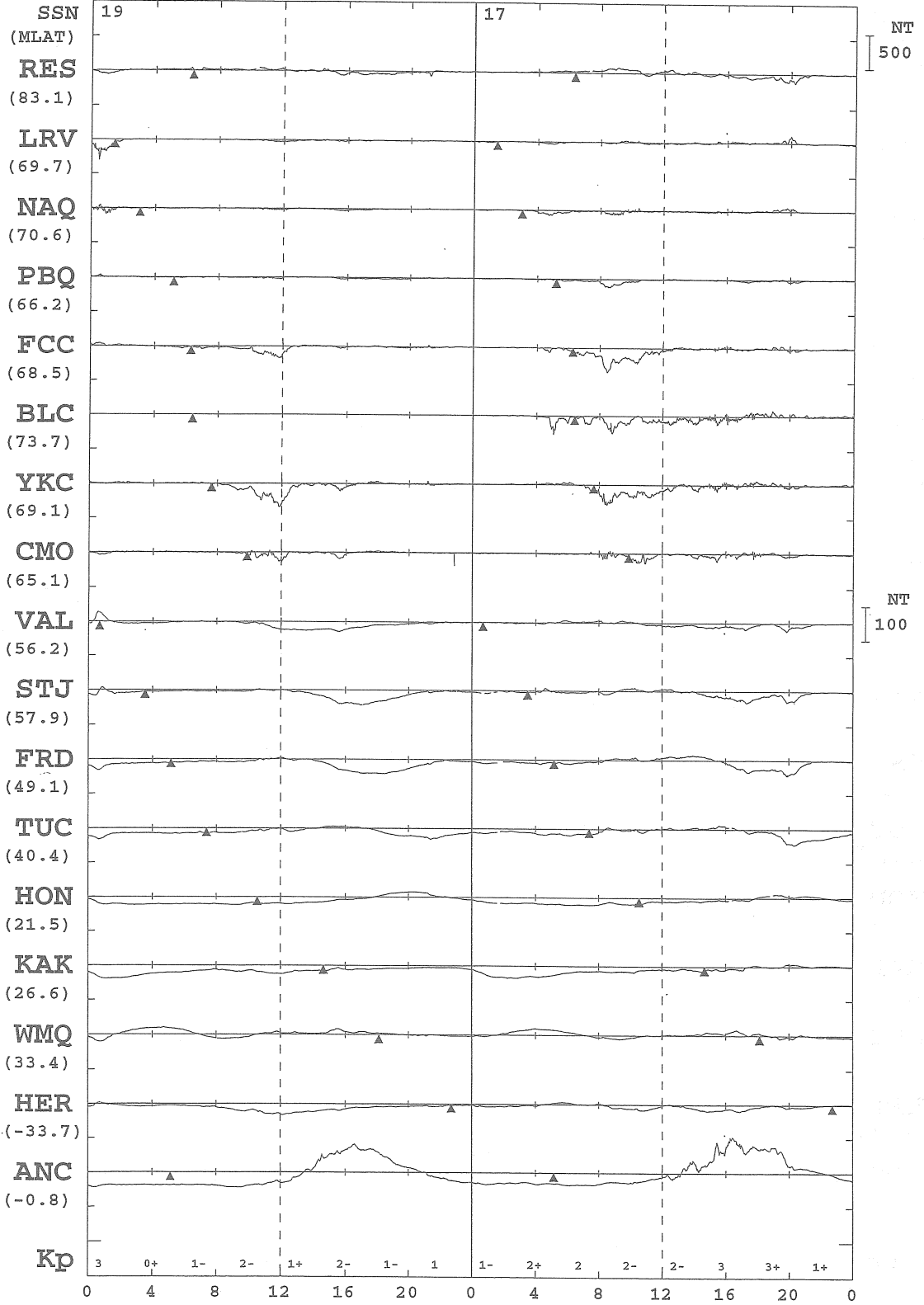
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(DAY 31)

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2005 H OR X-COMPONENT

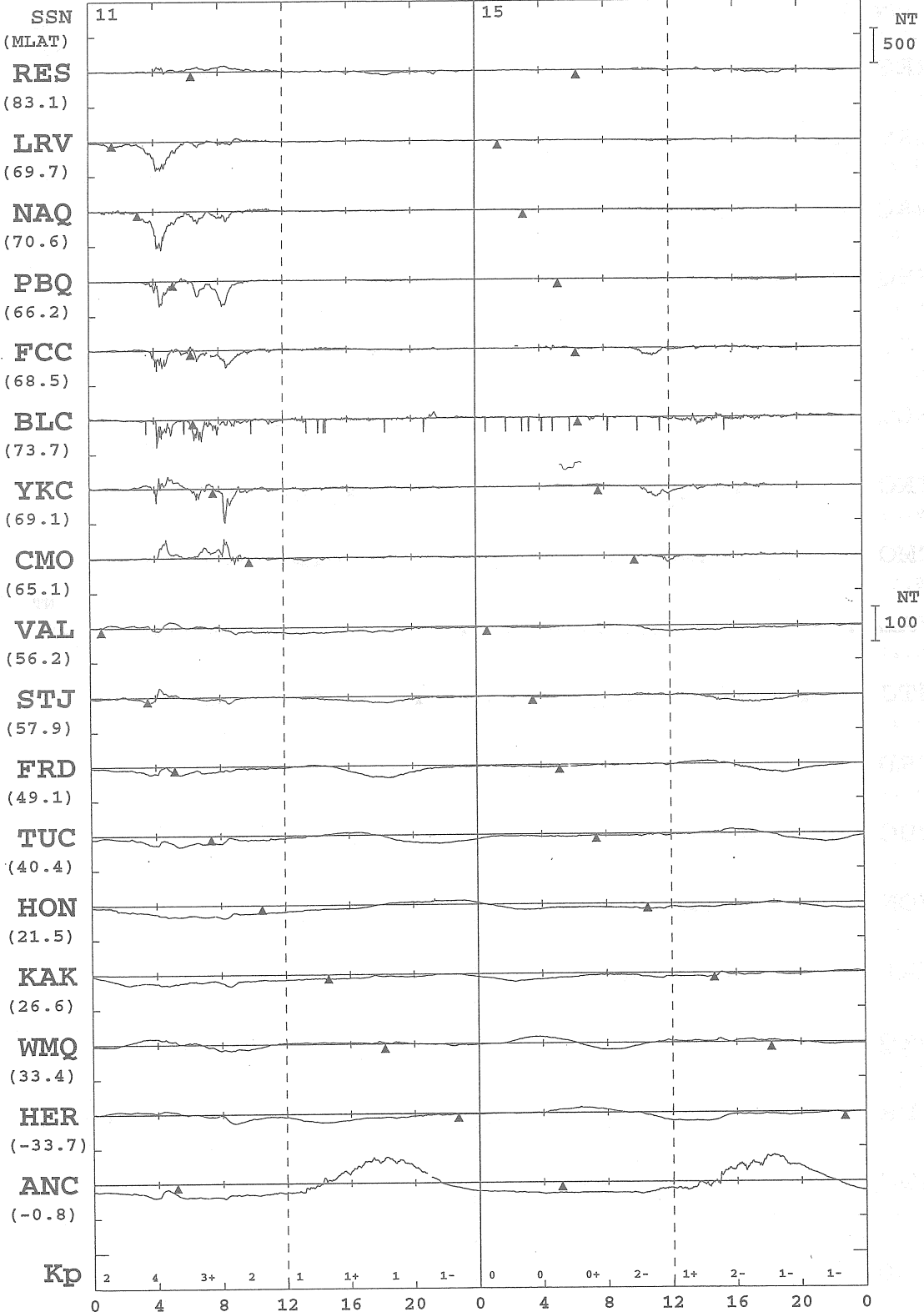
▲ : LOCAL MIDNIGHT



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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

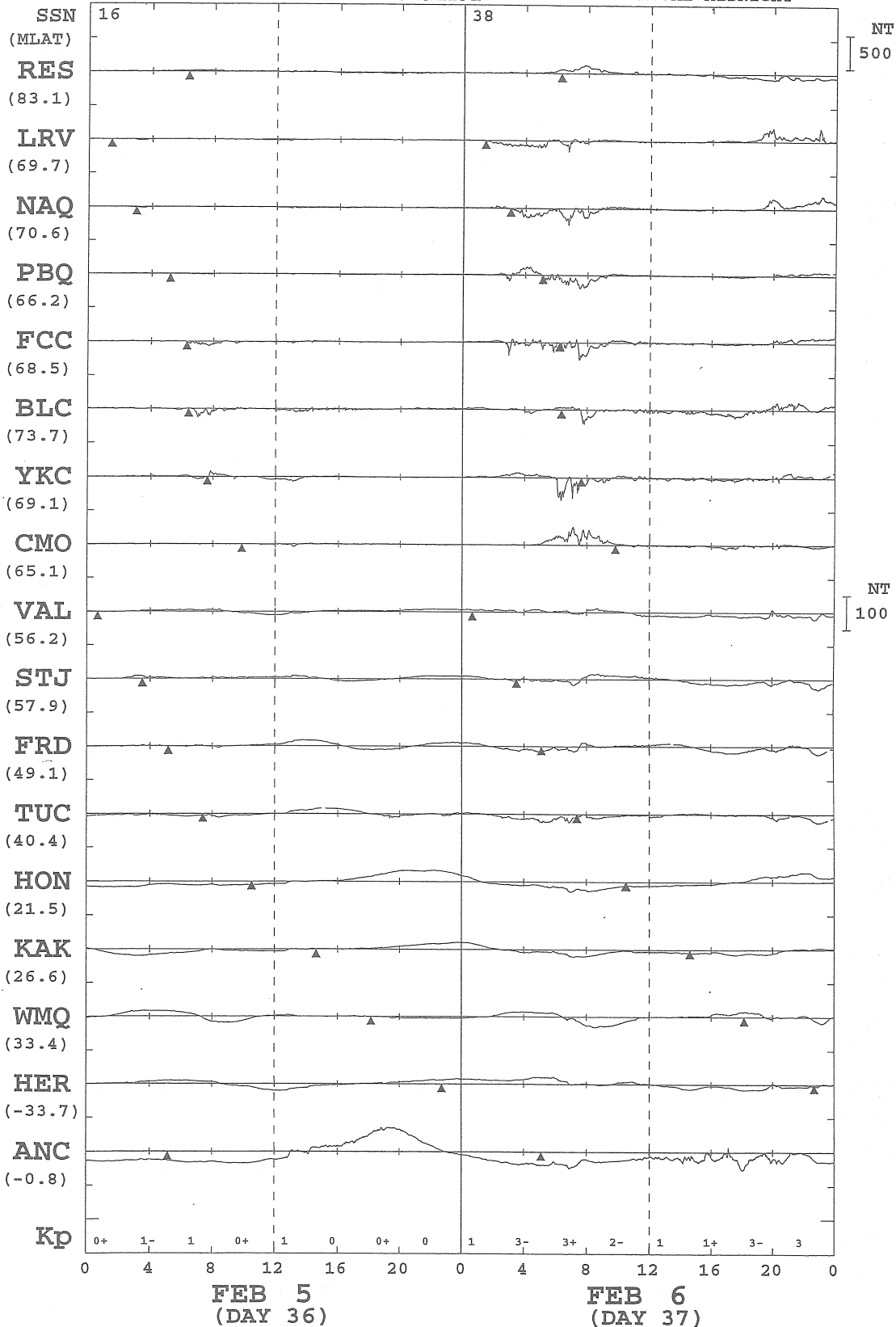


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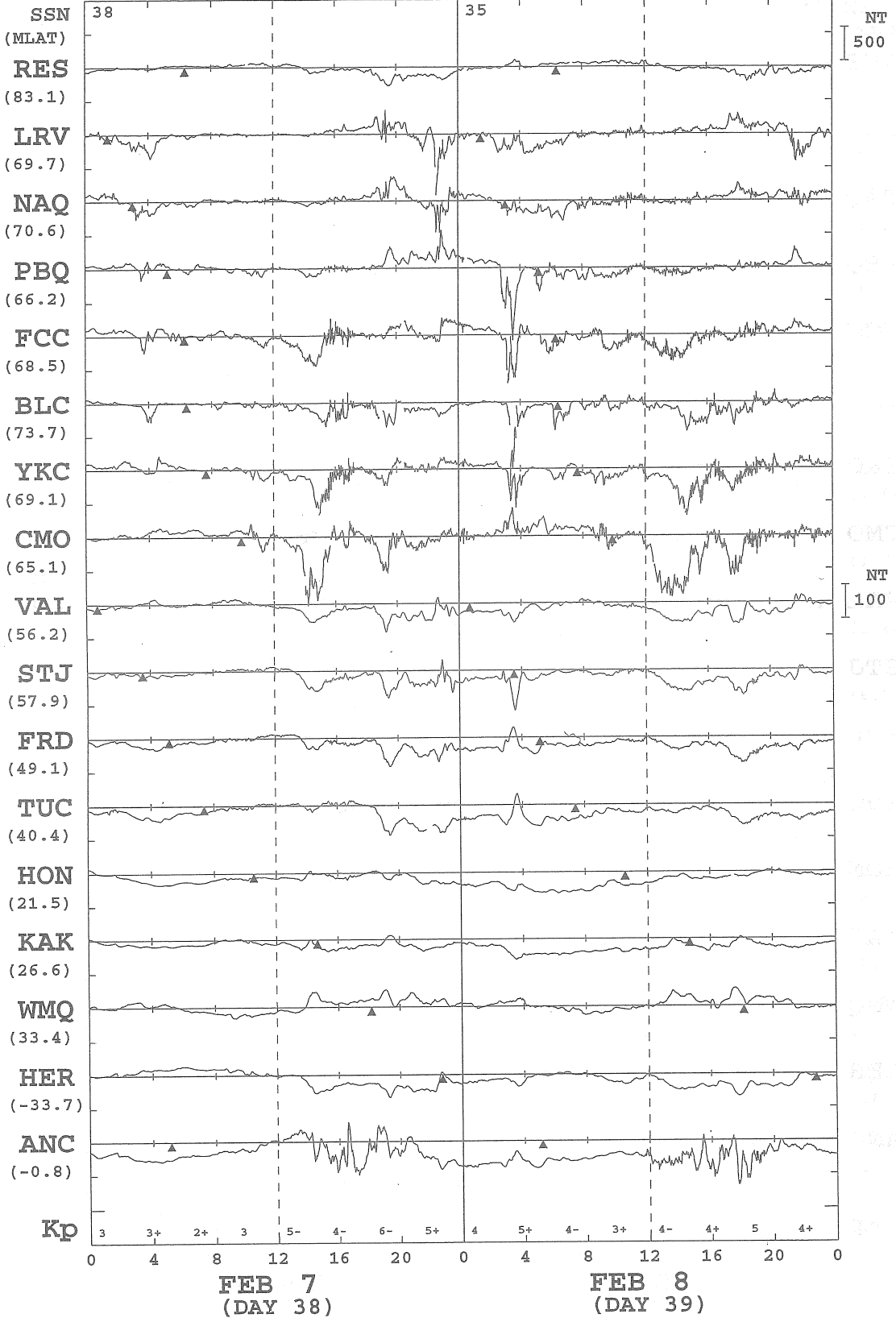


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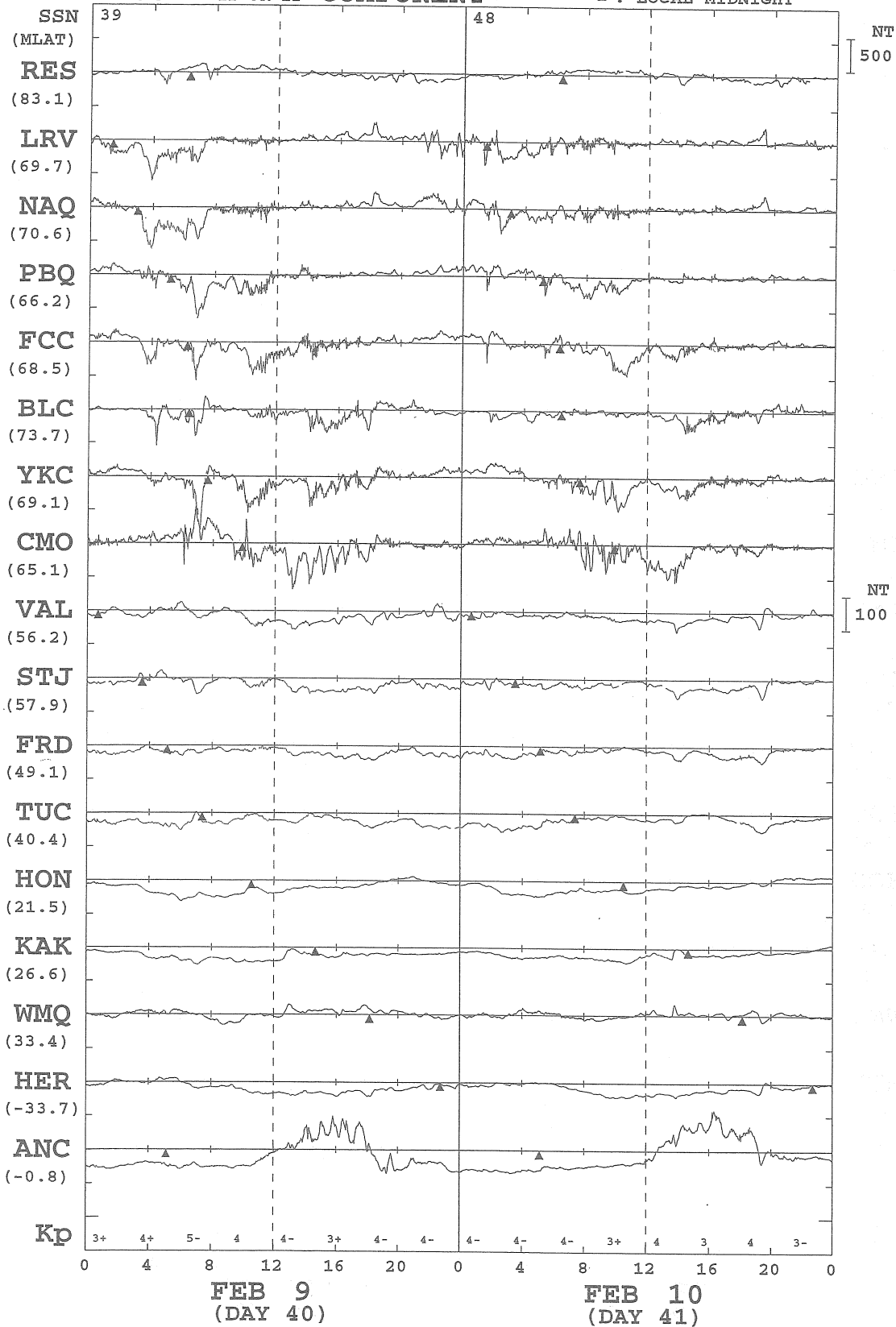


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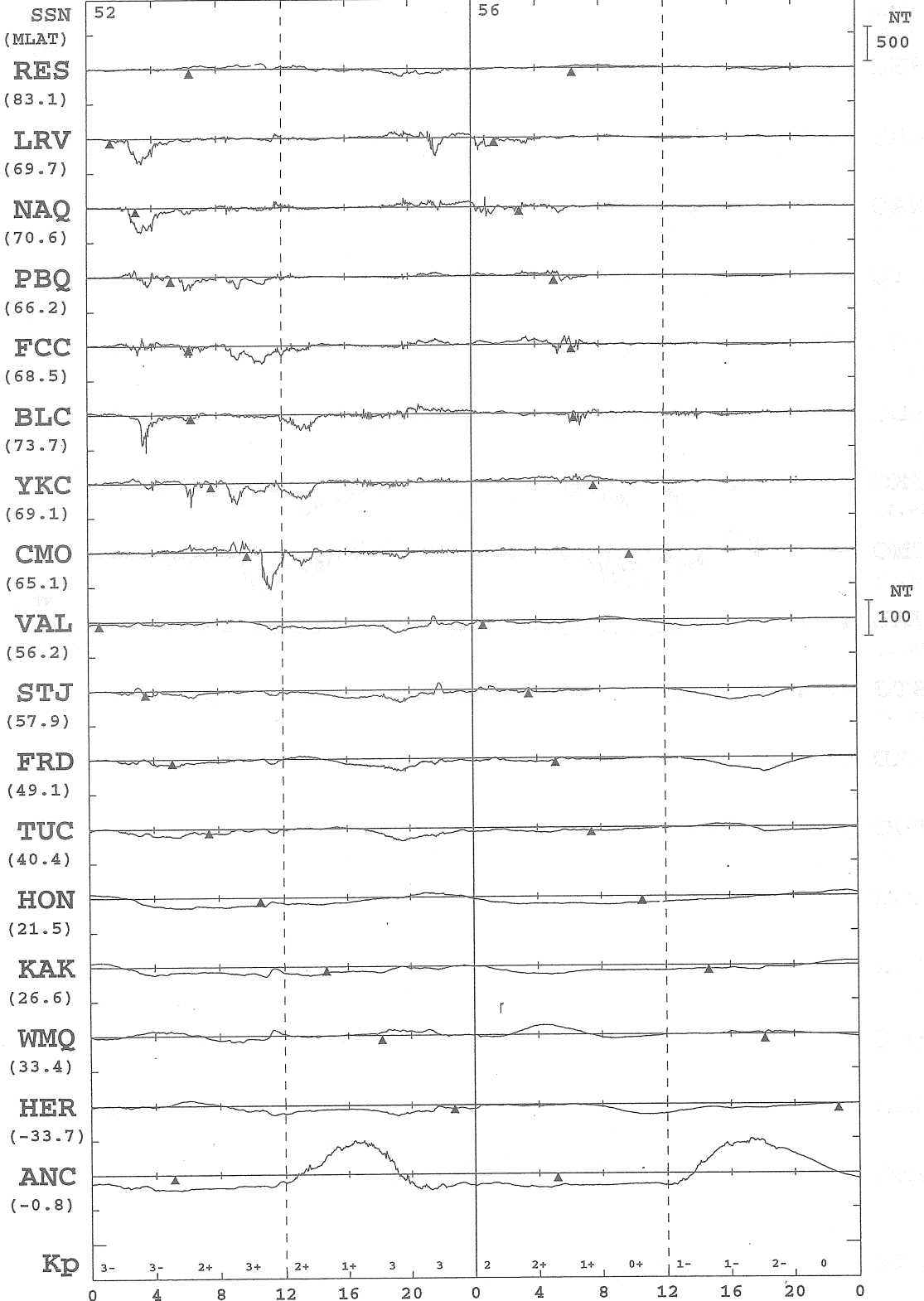


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▲ : LOCAL MIDNIGHT



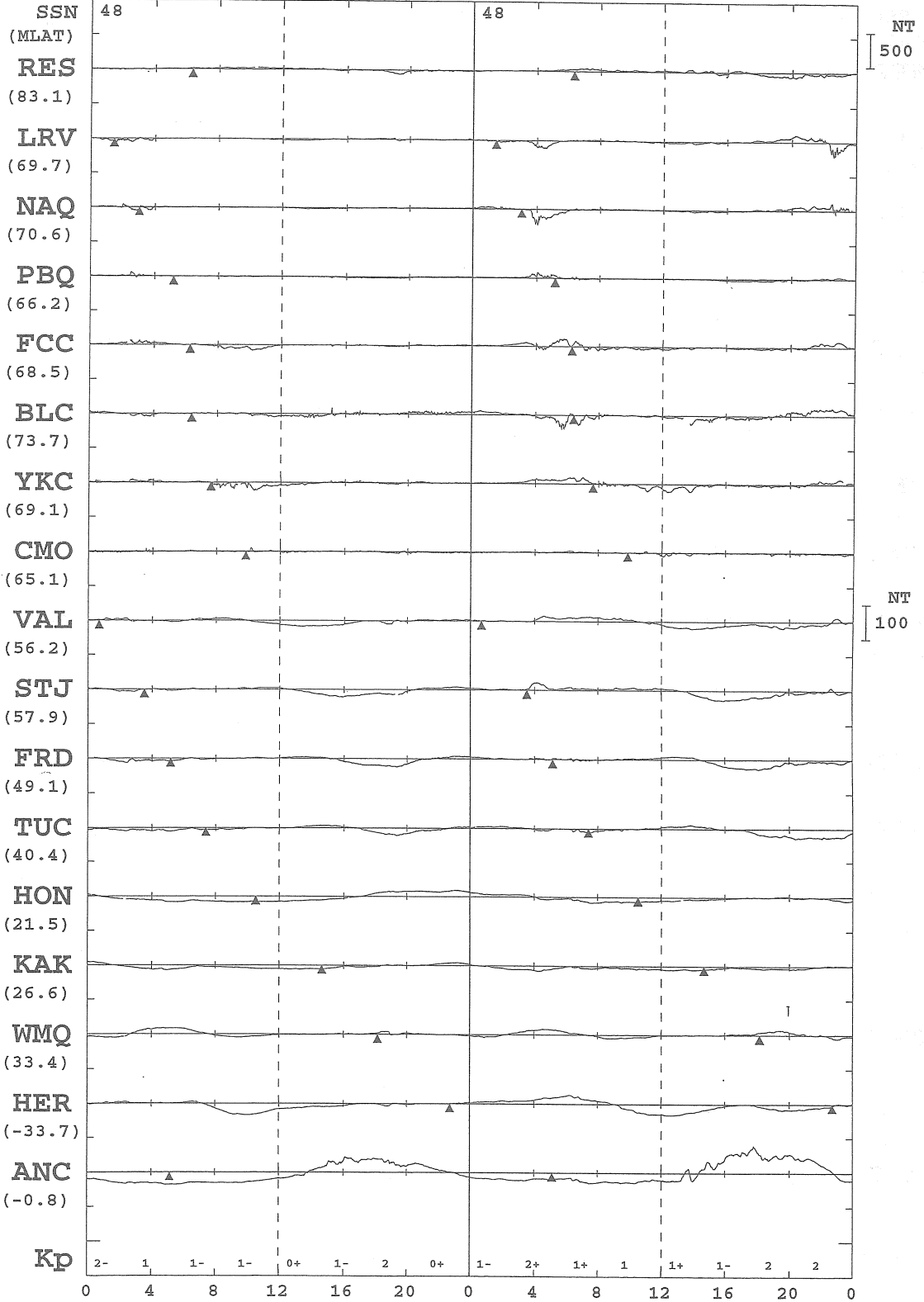
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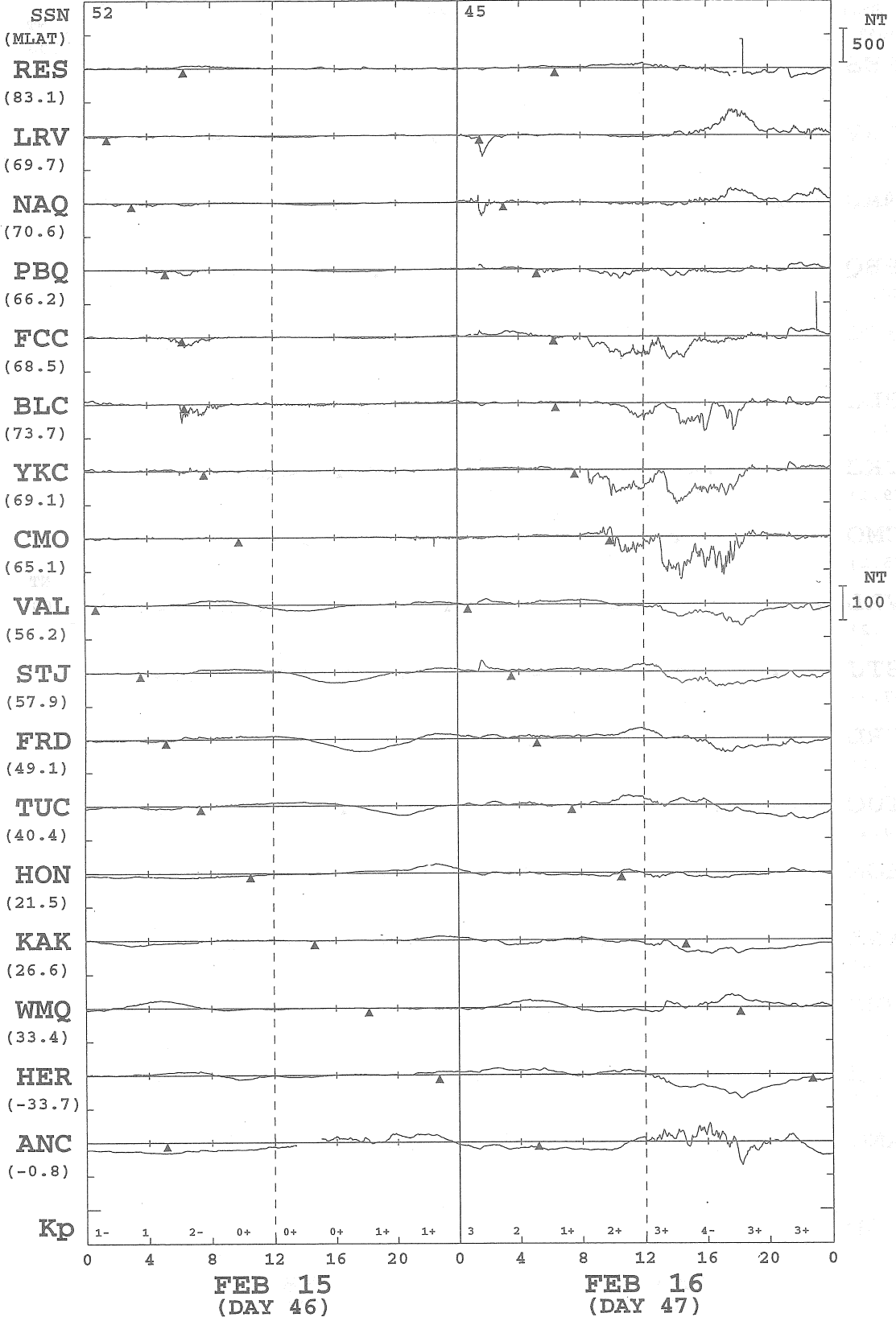


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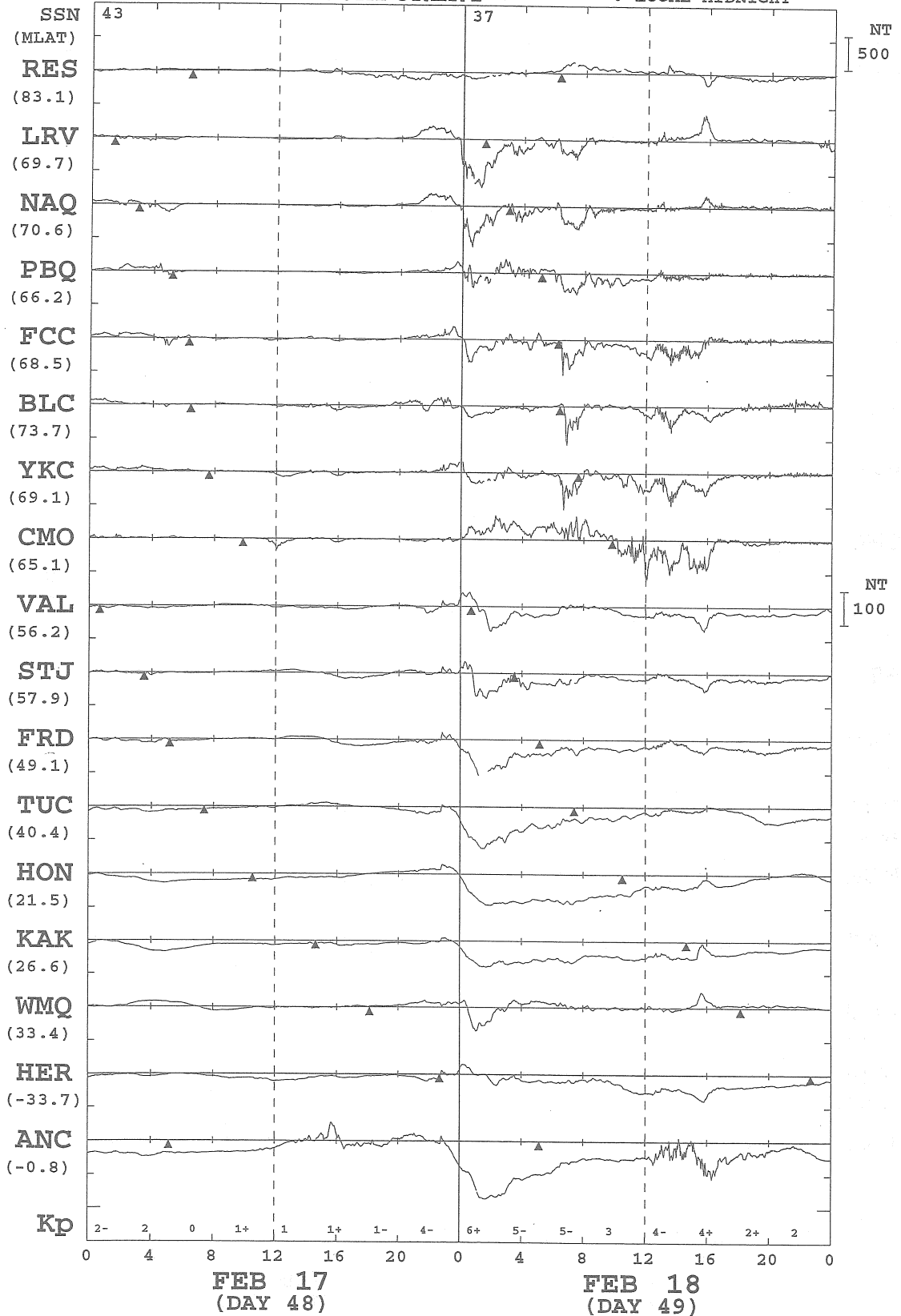


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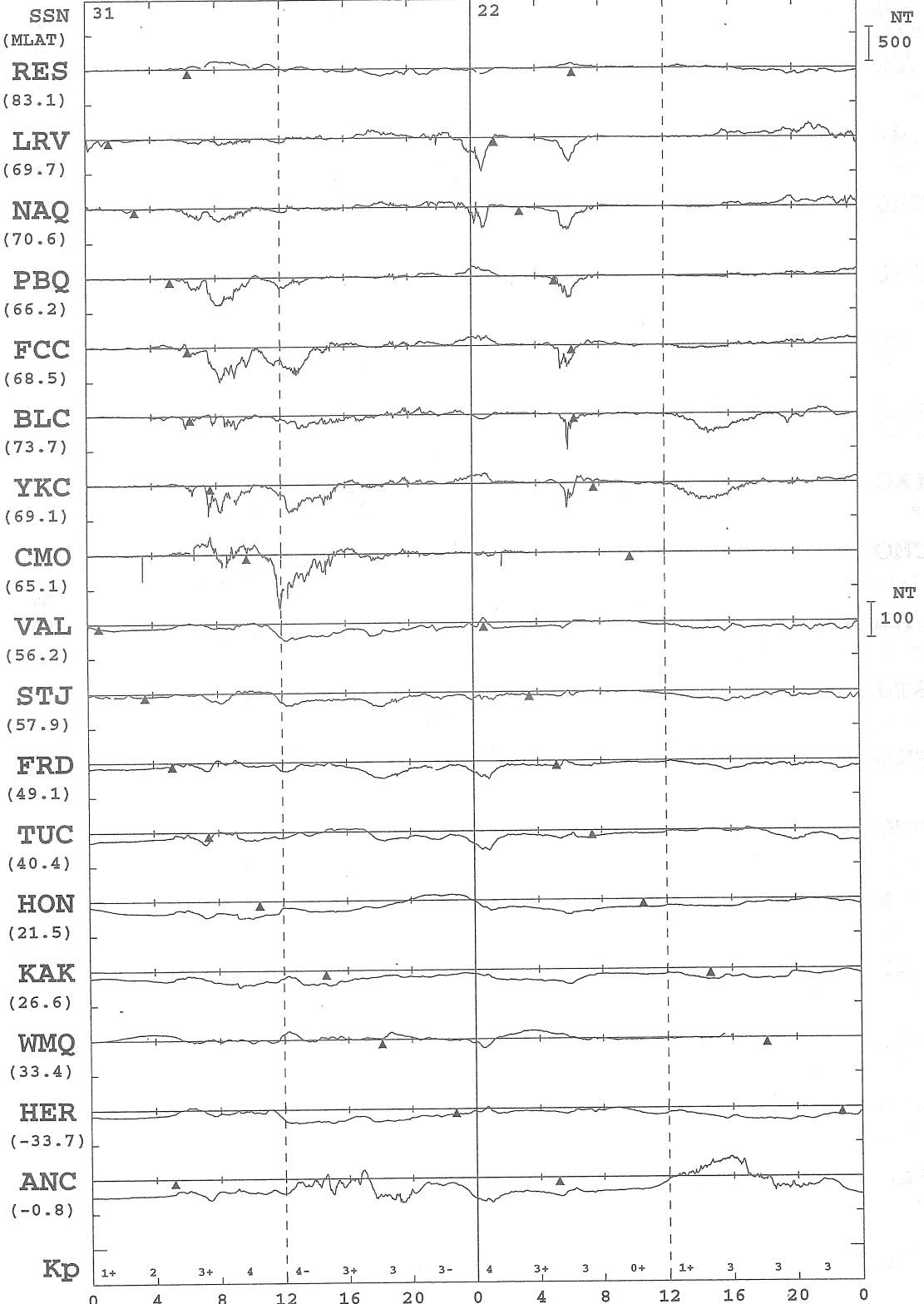


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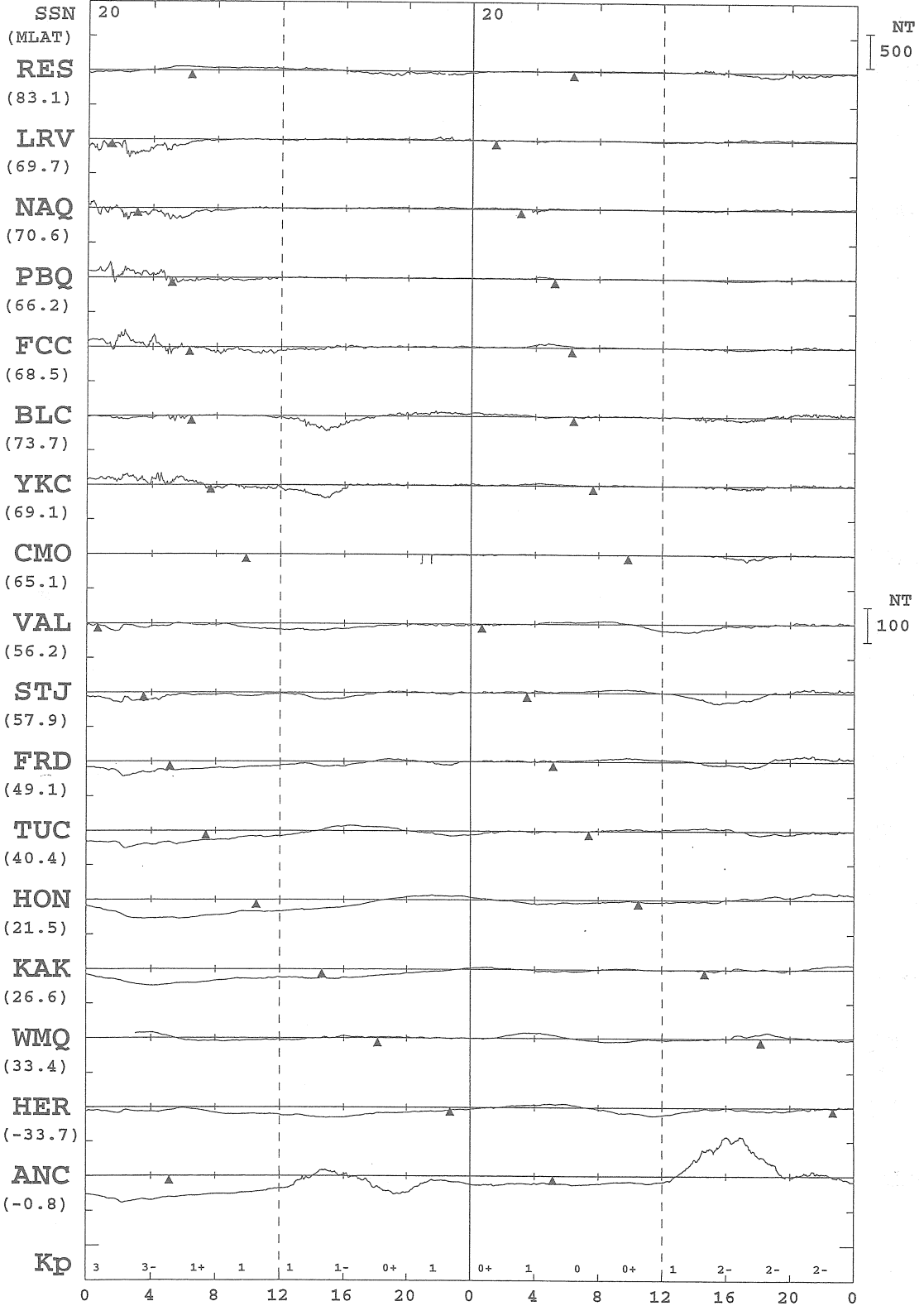


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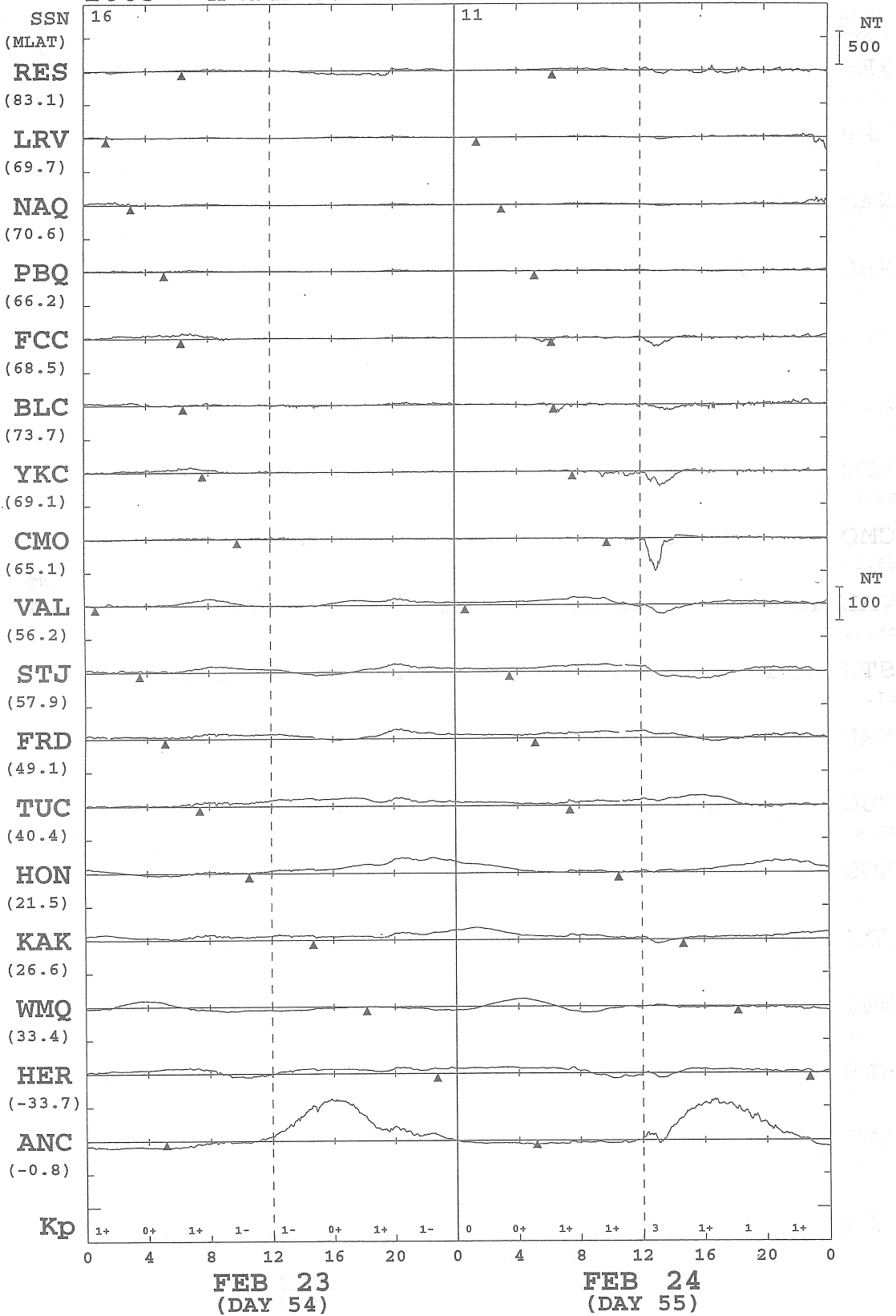
FEB 21  
(DAY 52)

FEB 22  
(DAY 53)

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2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

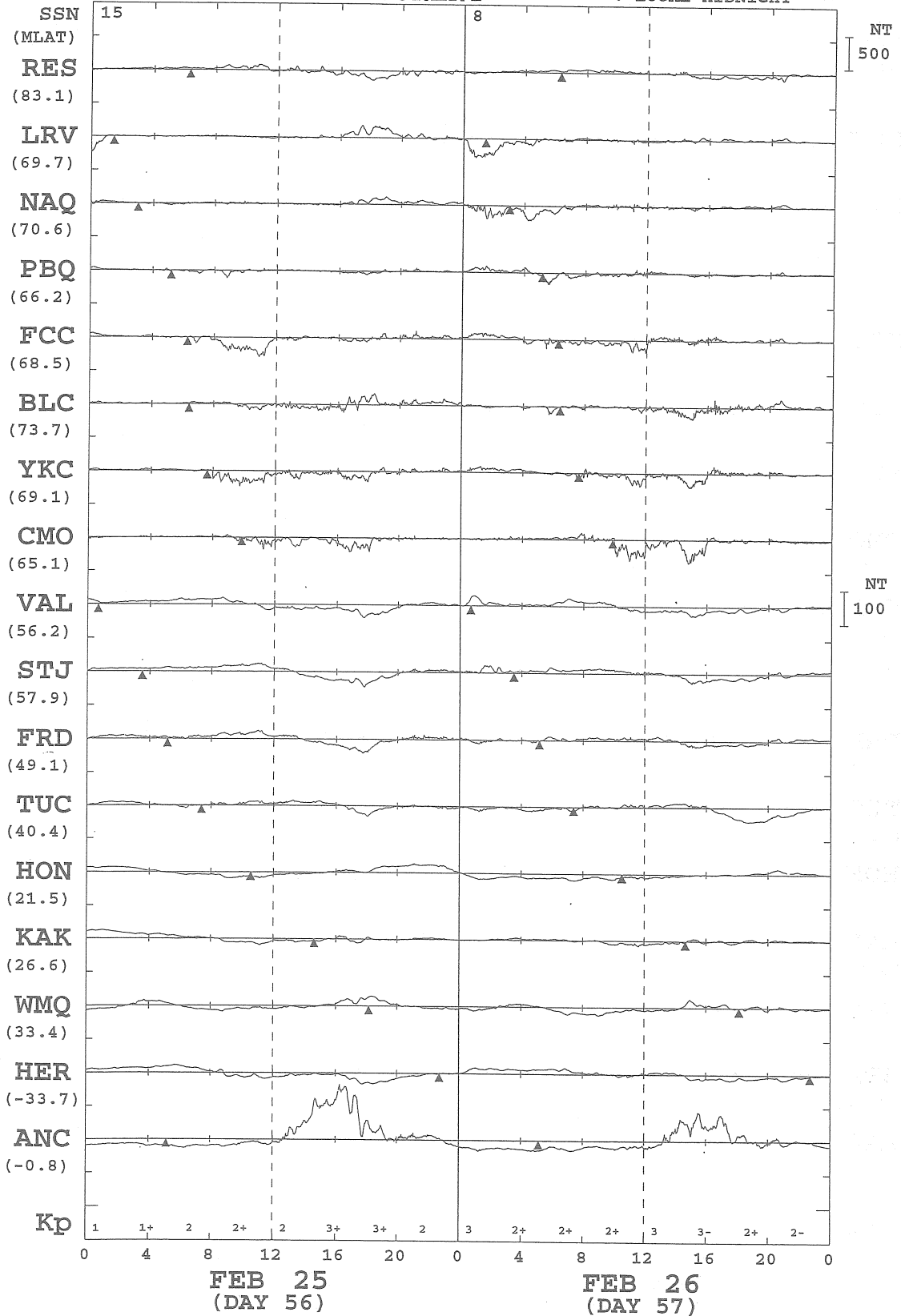


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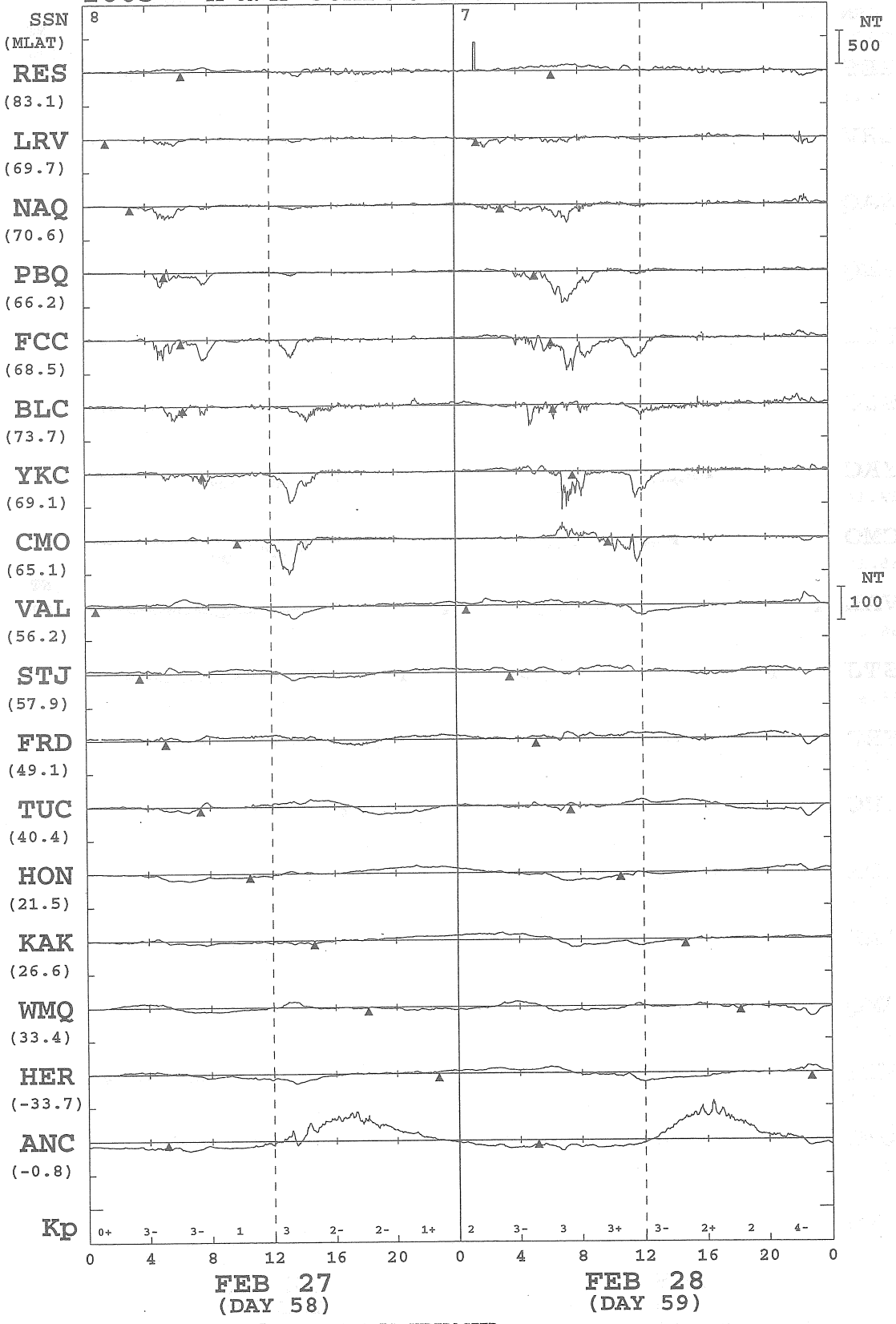
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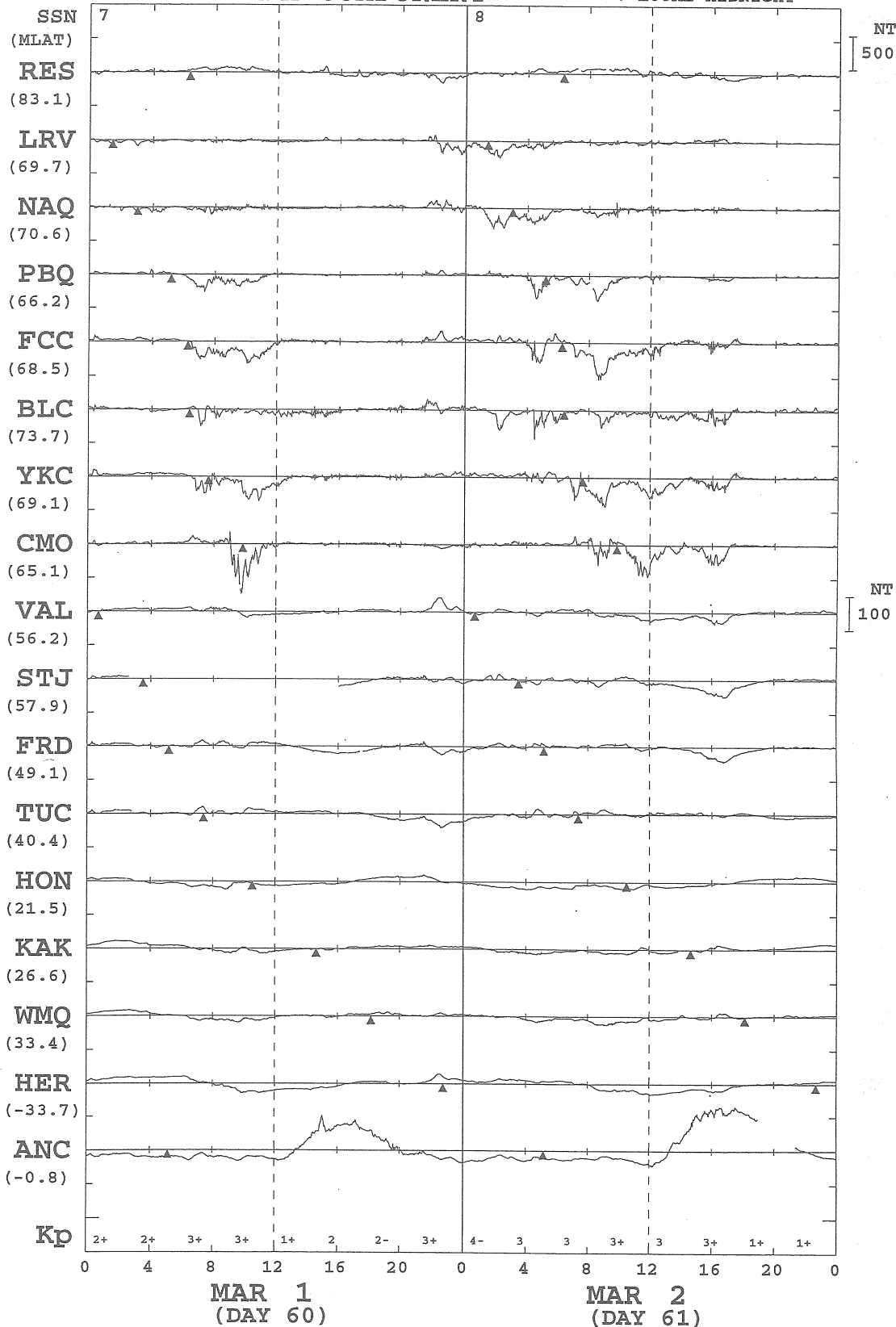
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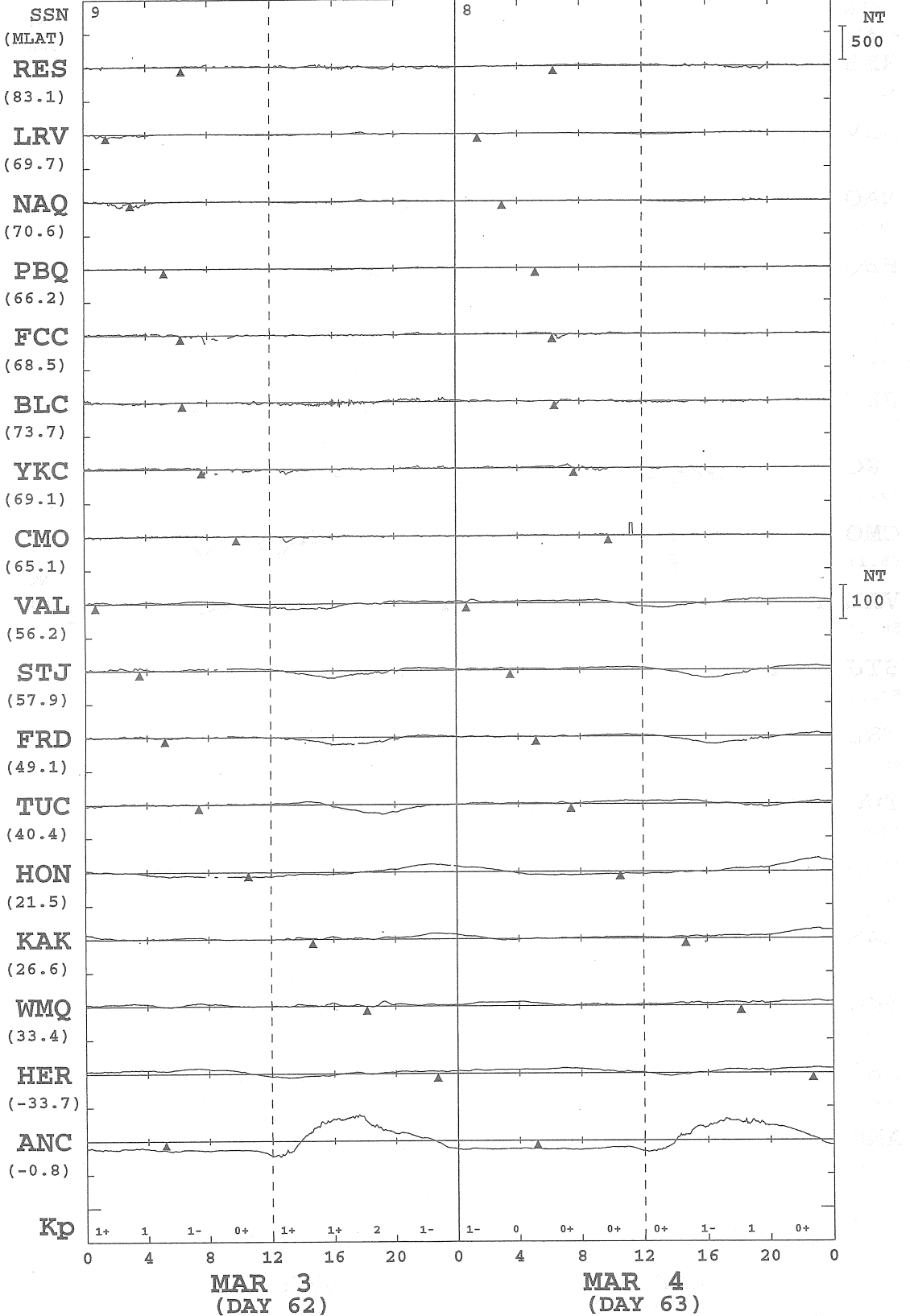


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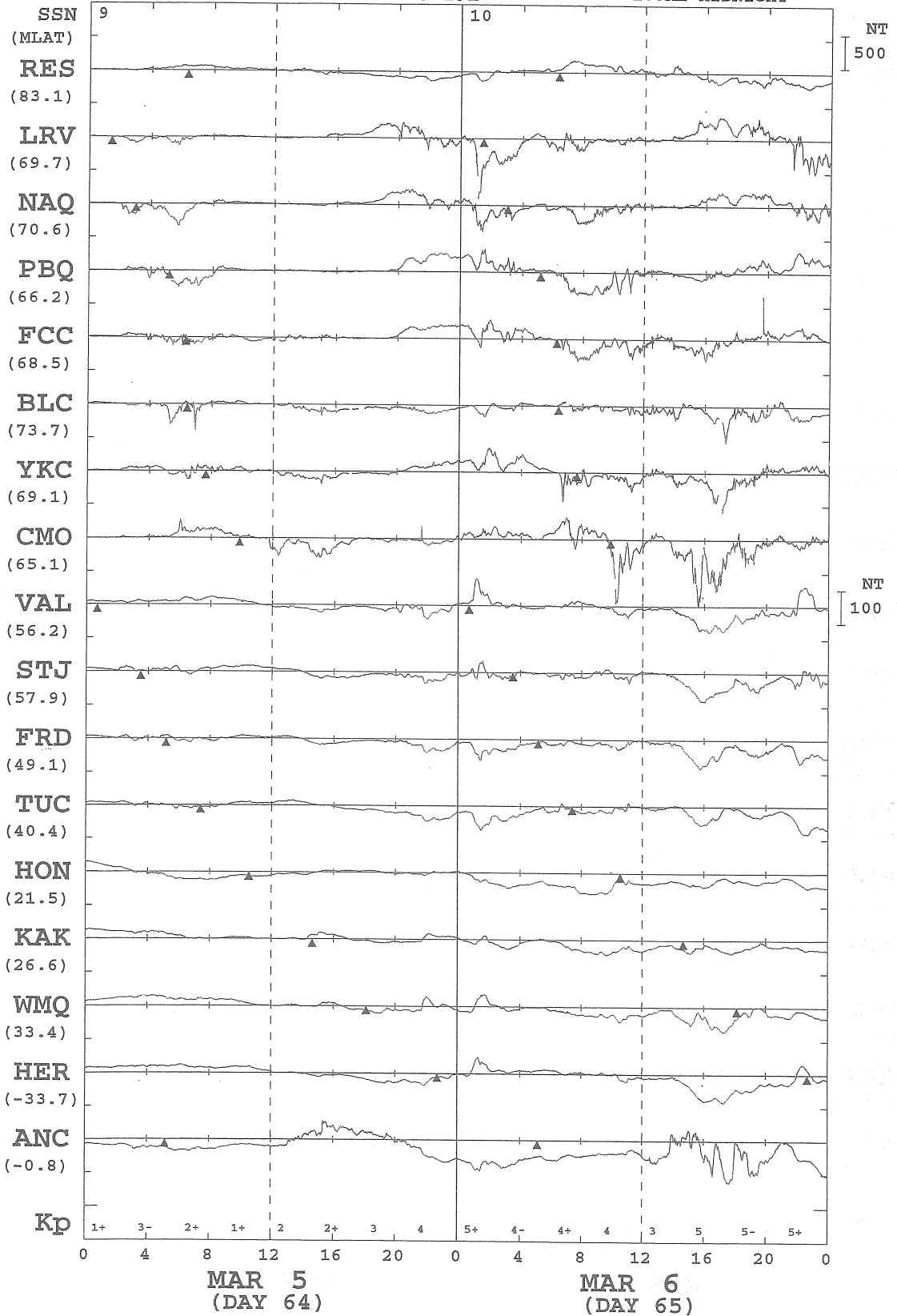
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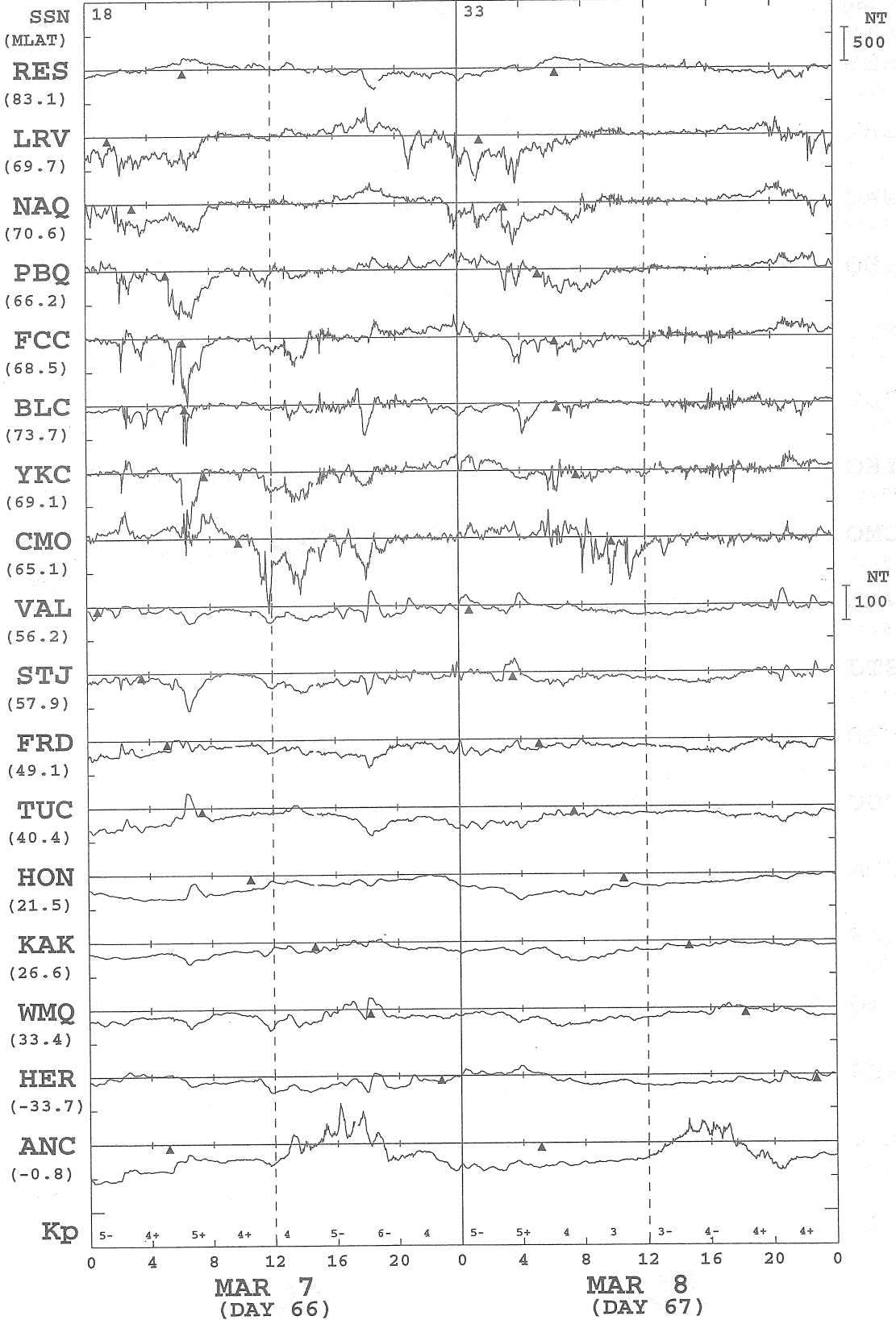


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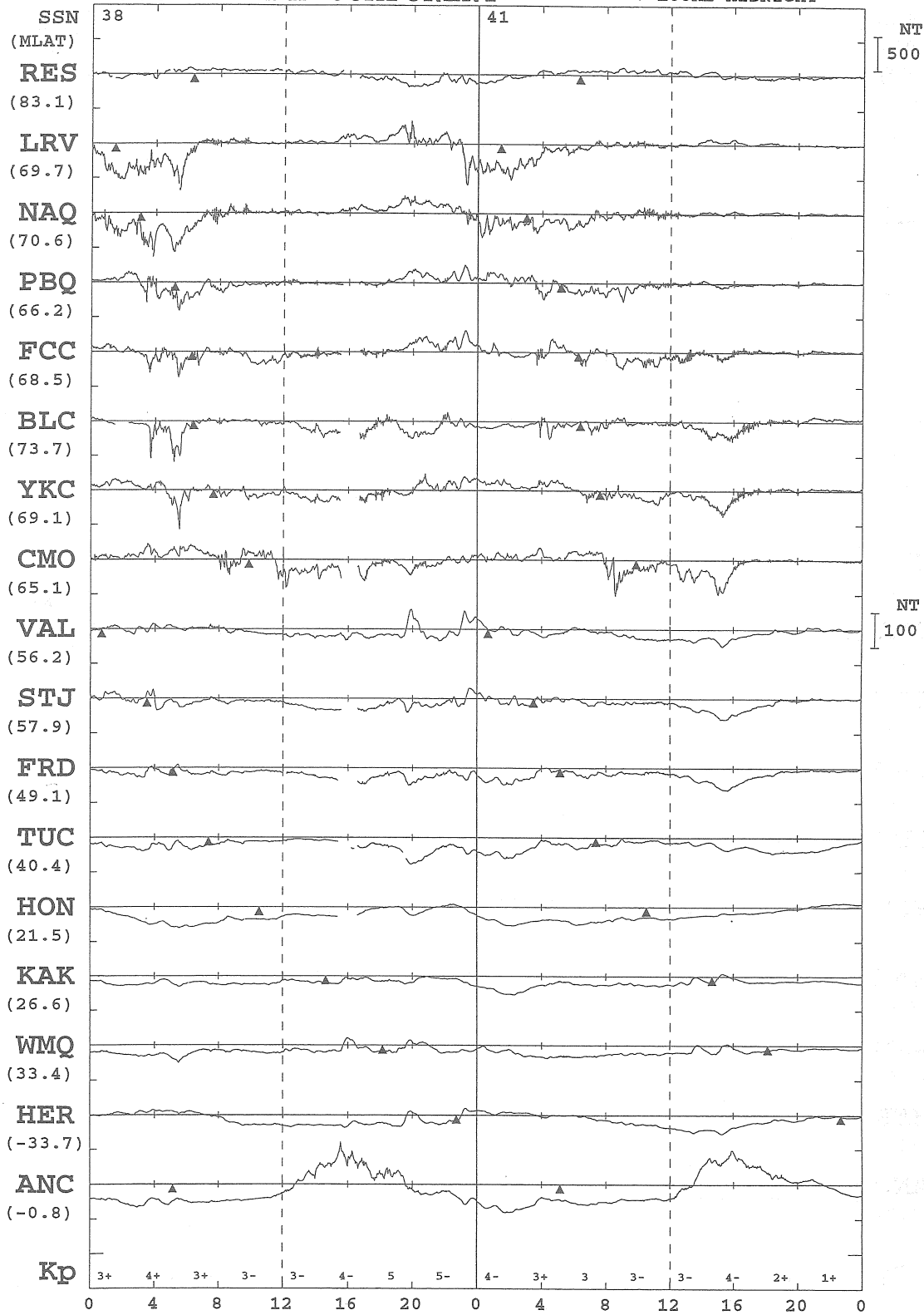


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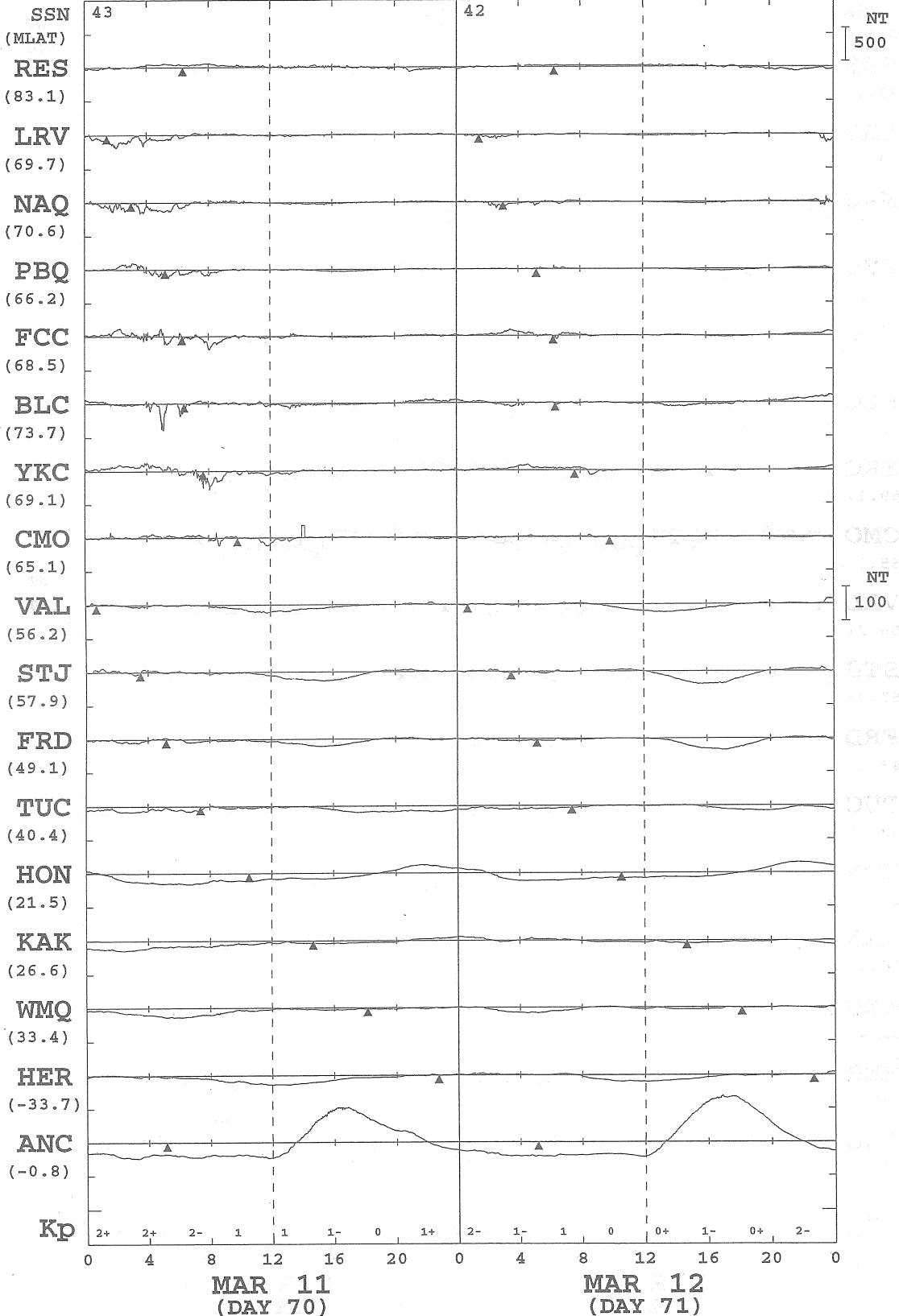


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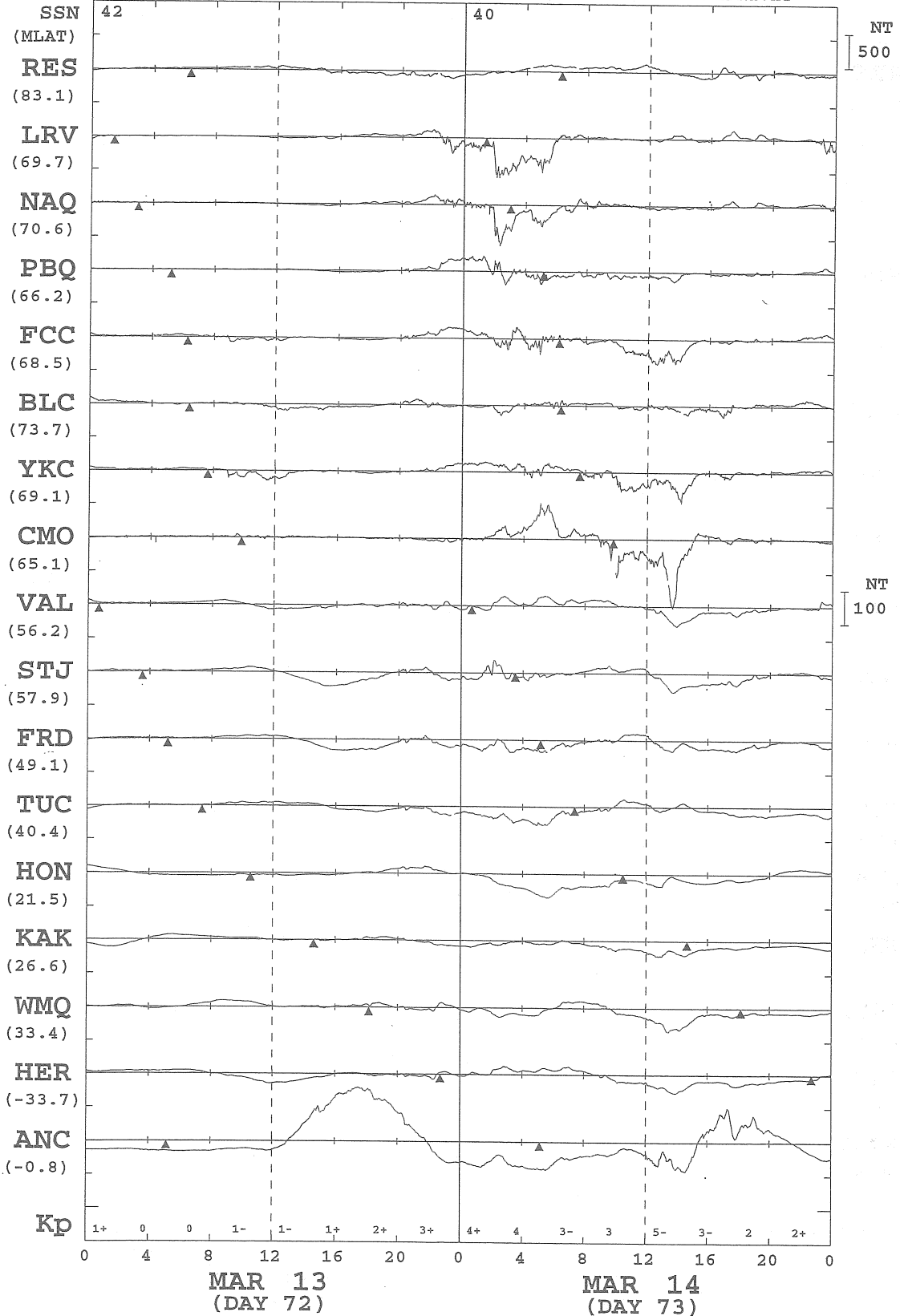


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KYOTO UNIV.

# 2005 H OR X-COMPONENT

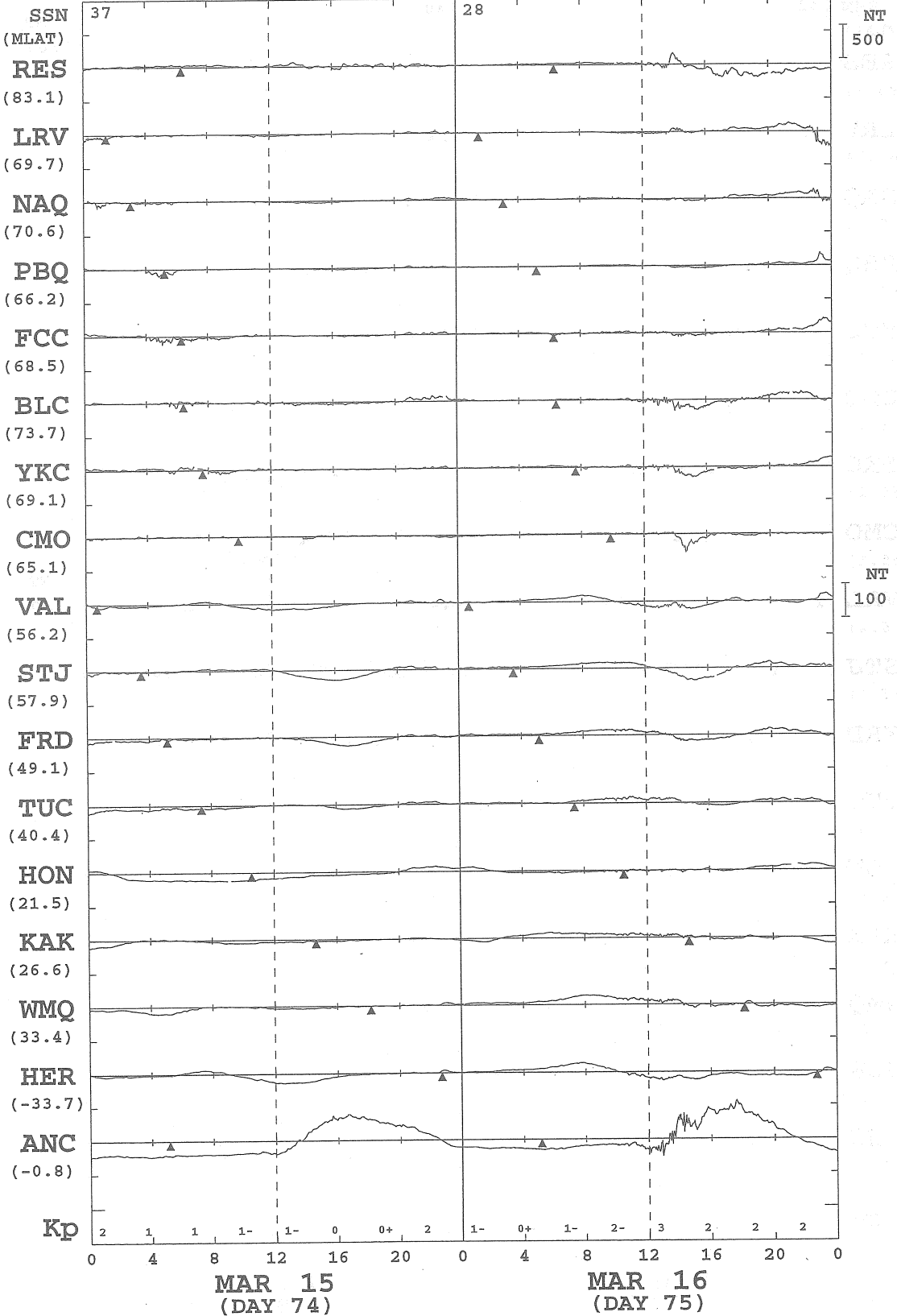
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT

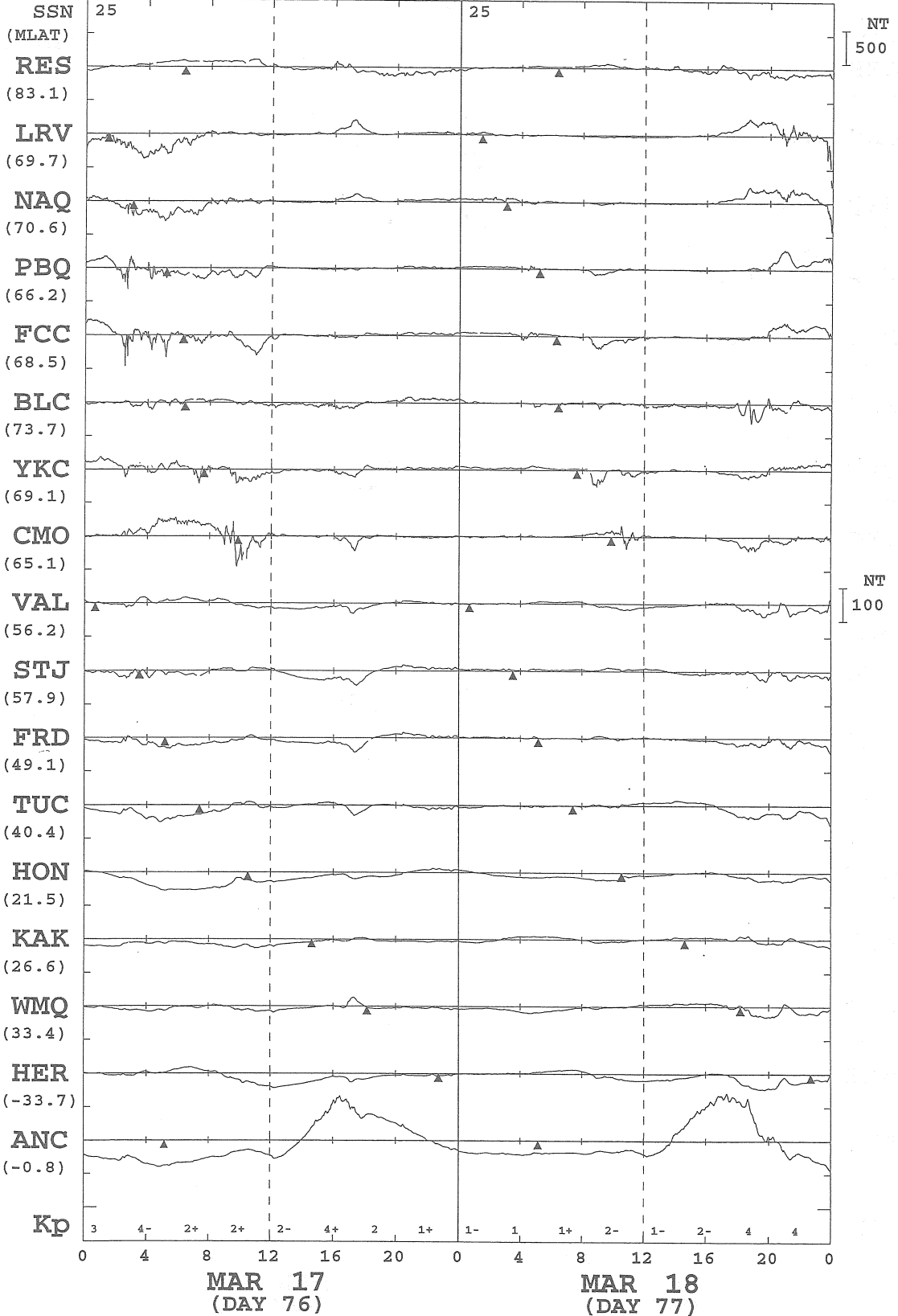


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



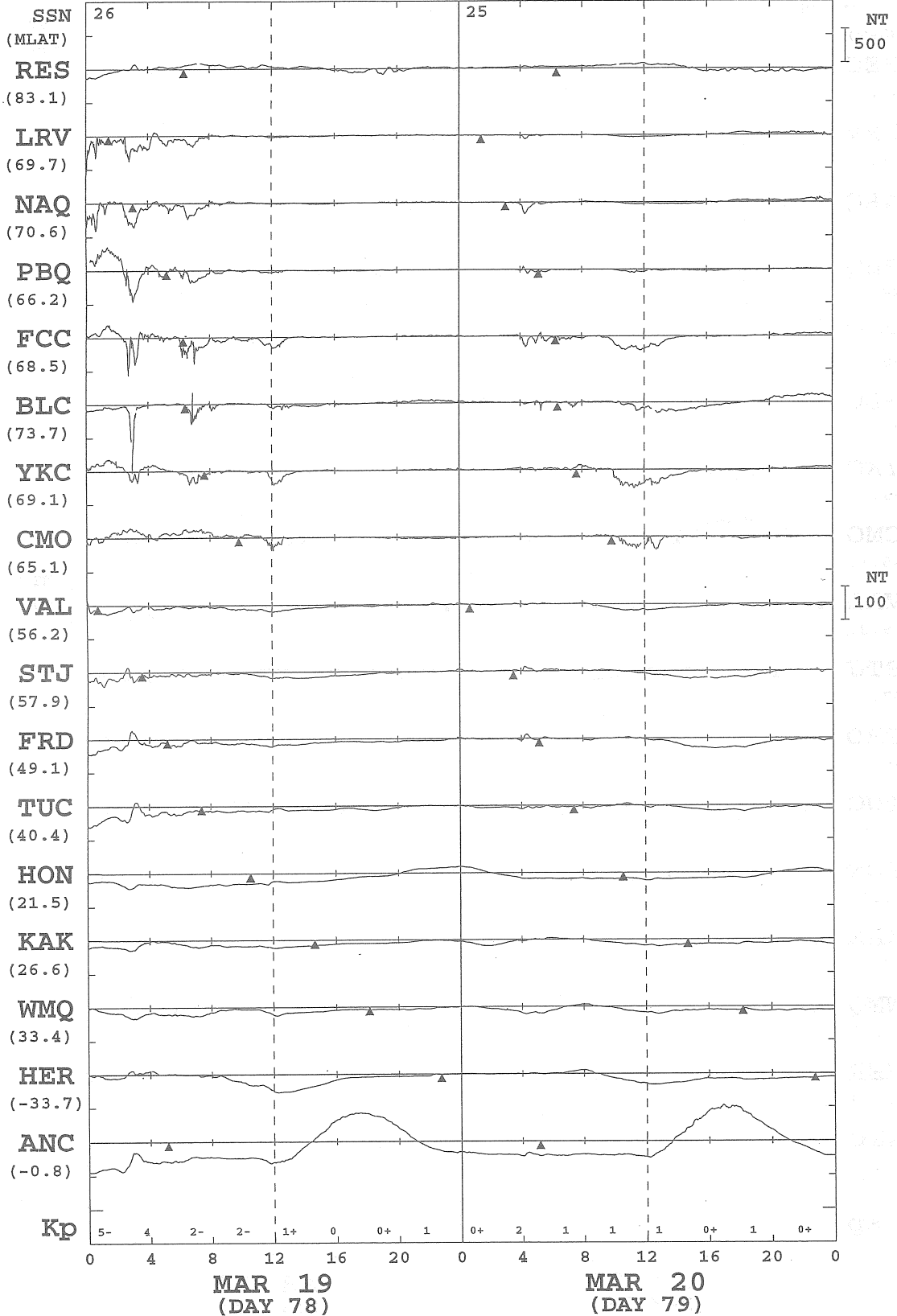
2005 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

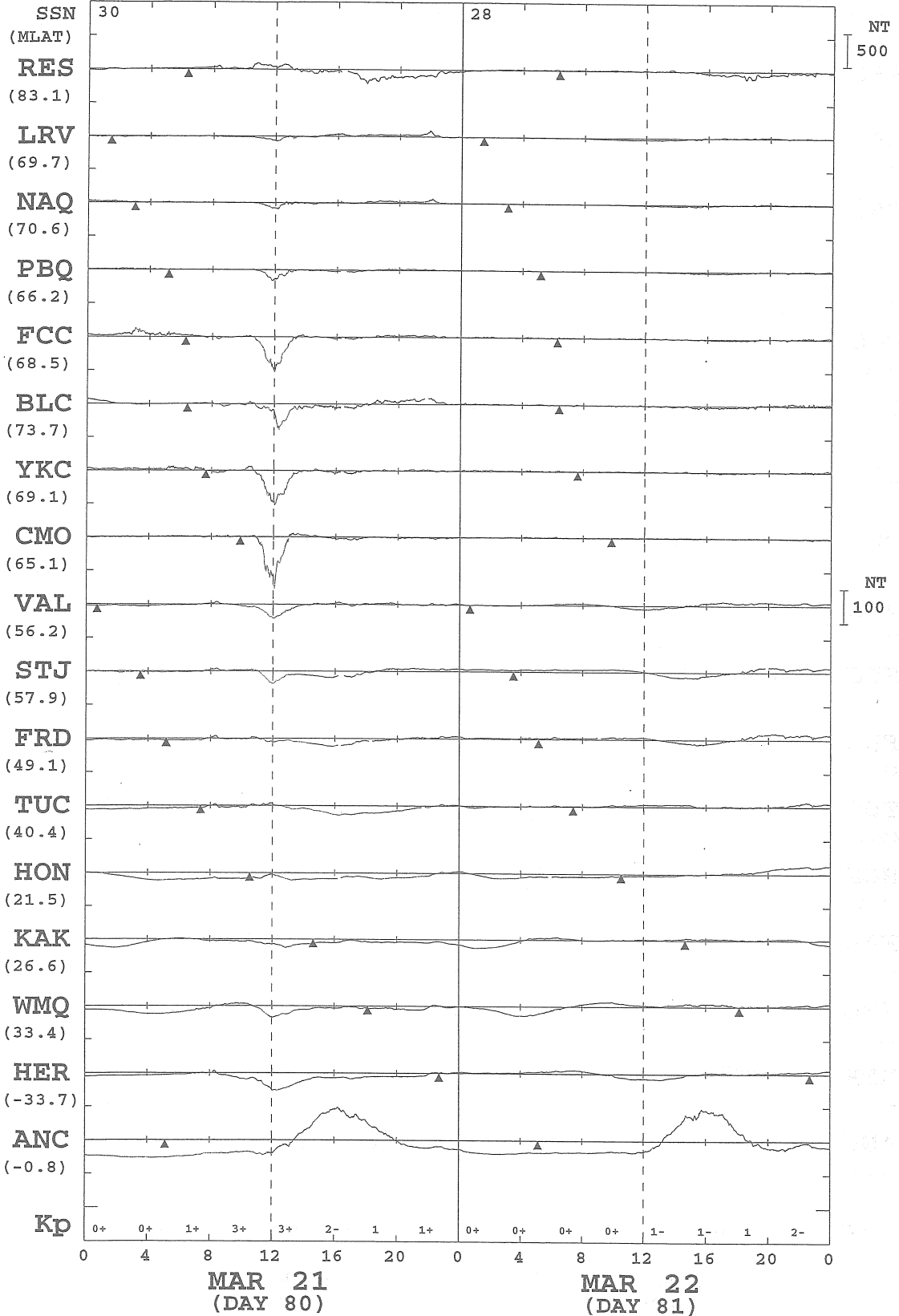


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

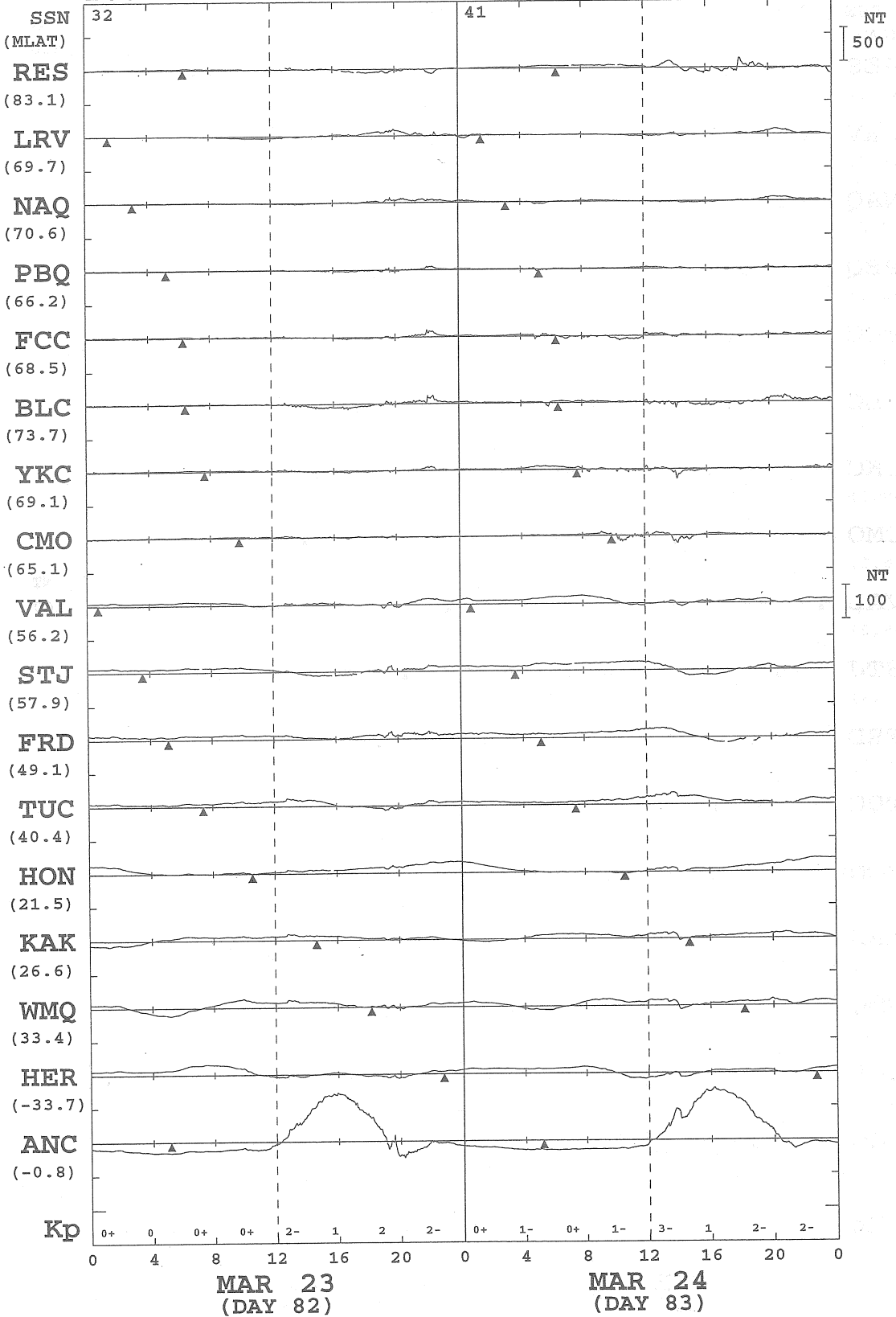
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT LOCAL MIDNIGHT

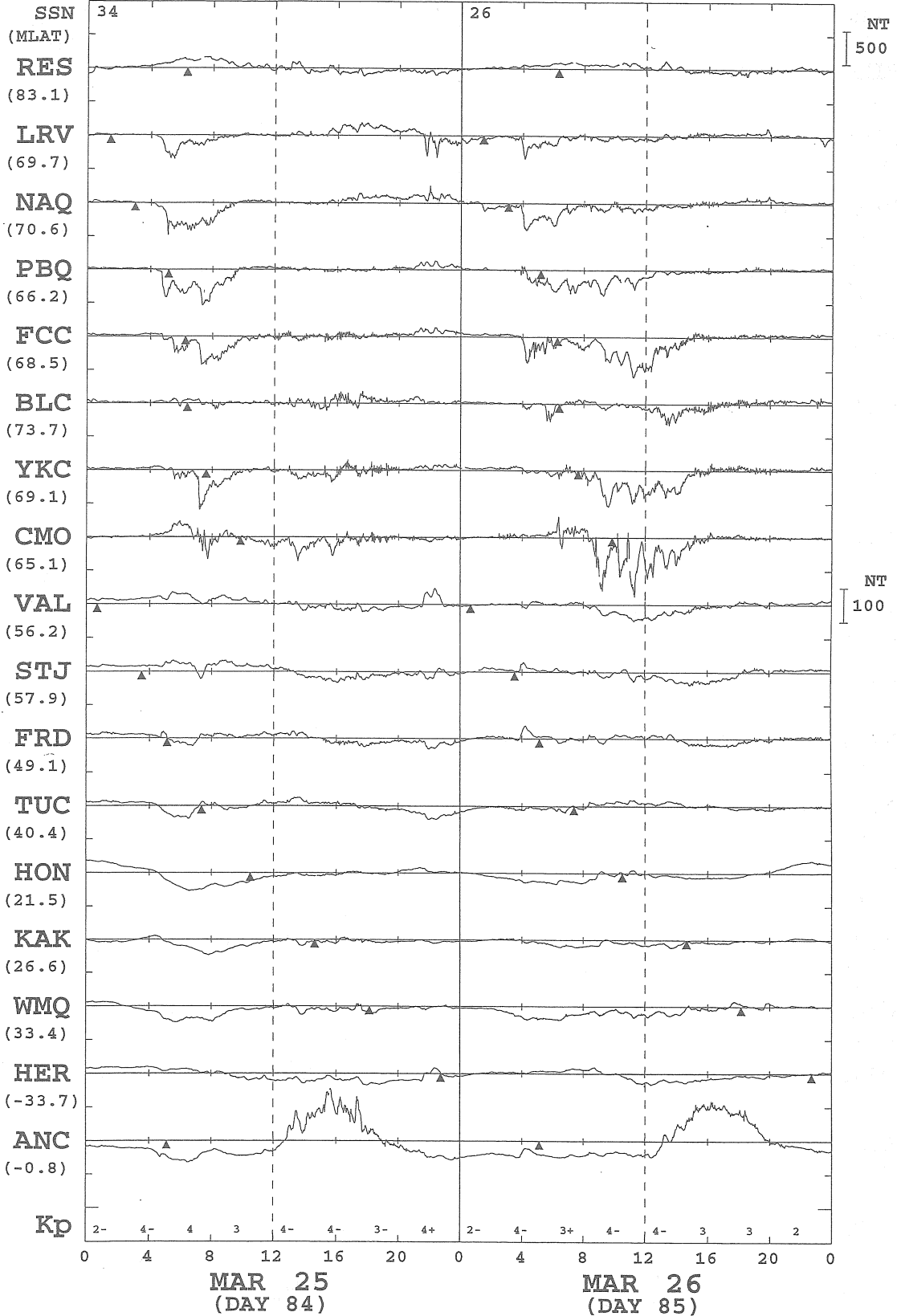


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

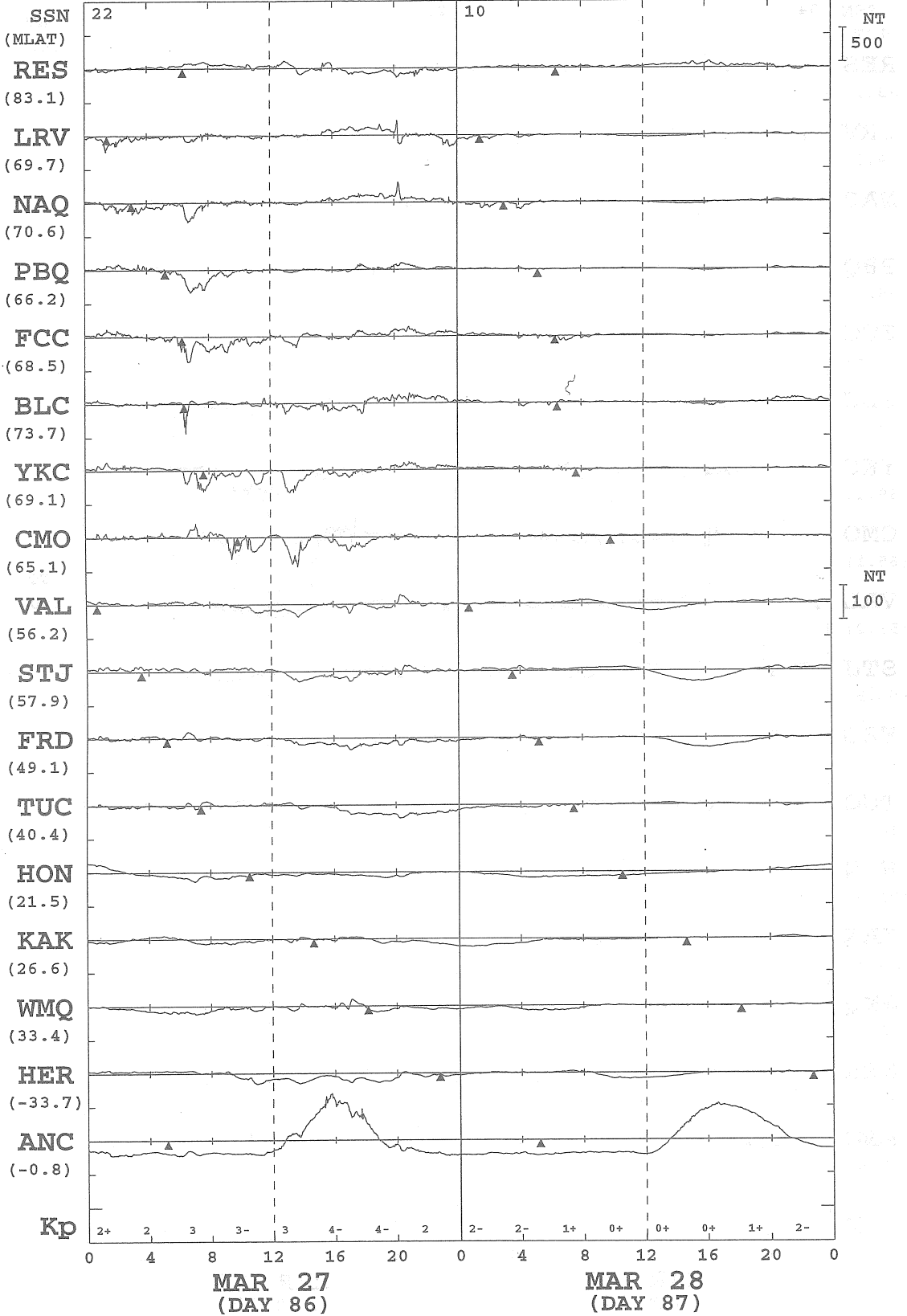
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT

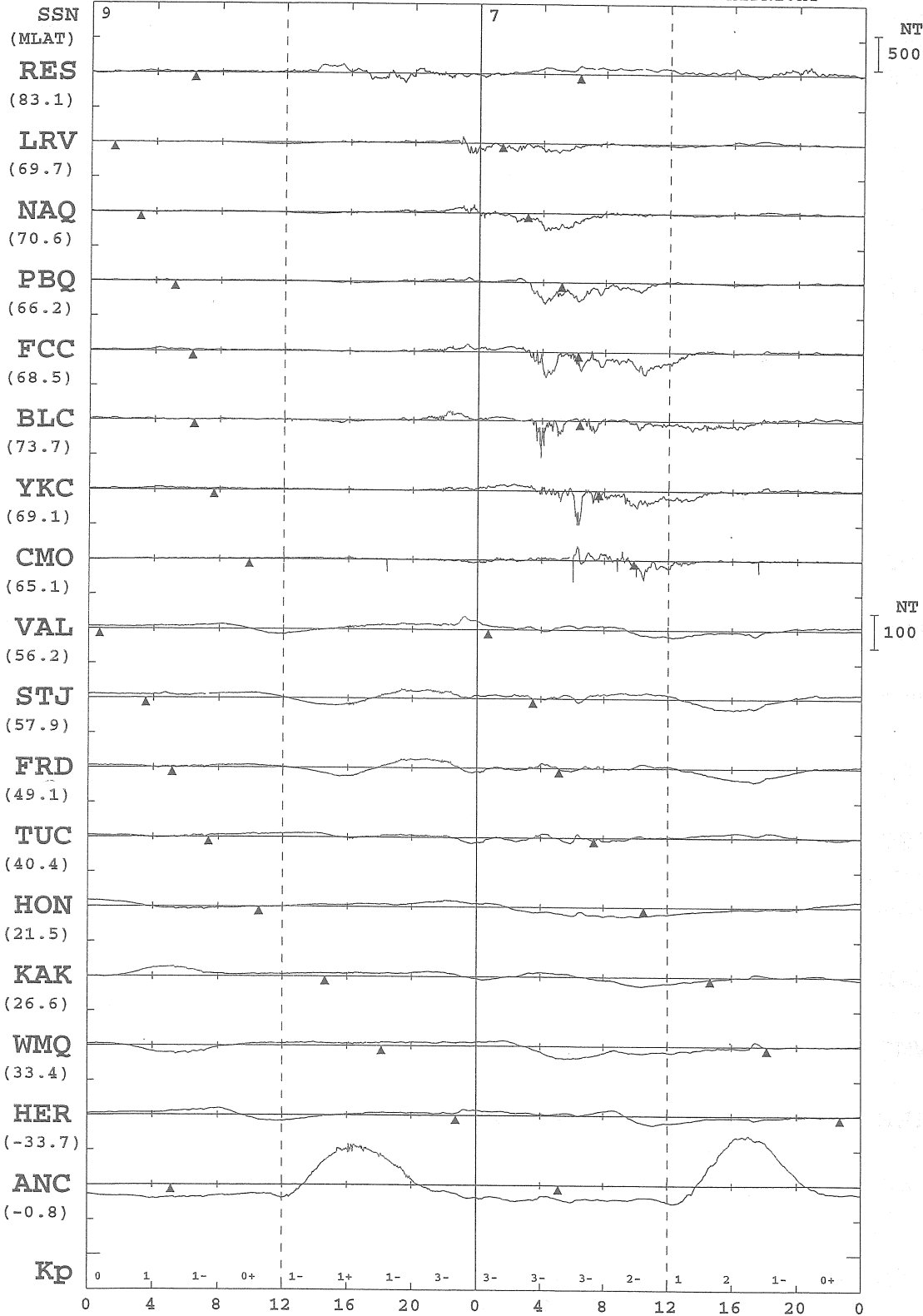


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

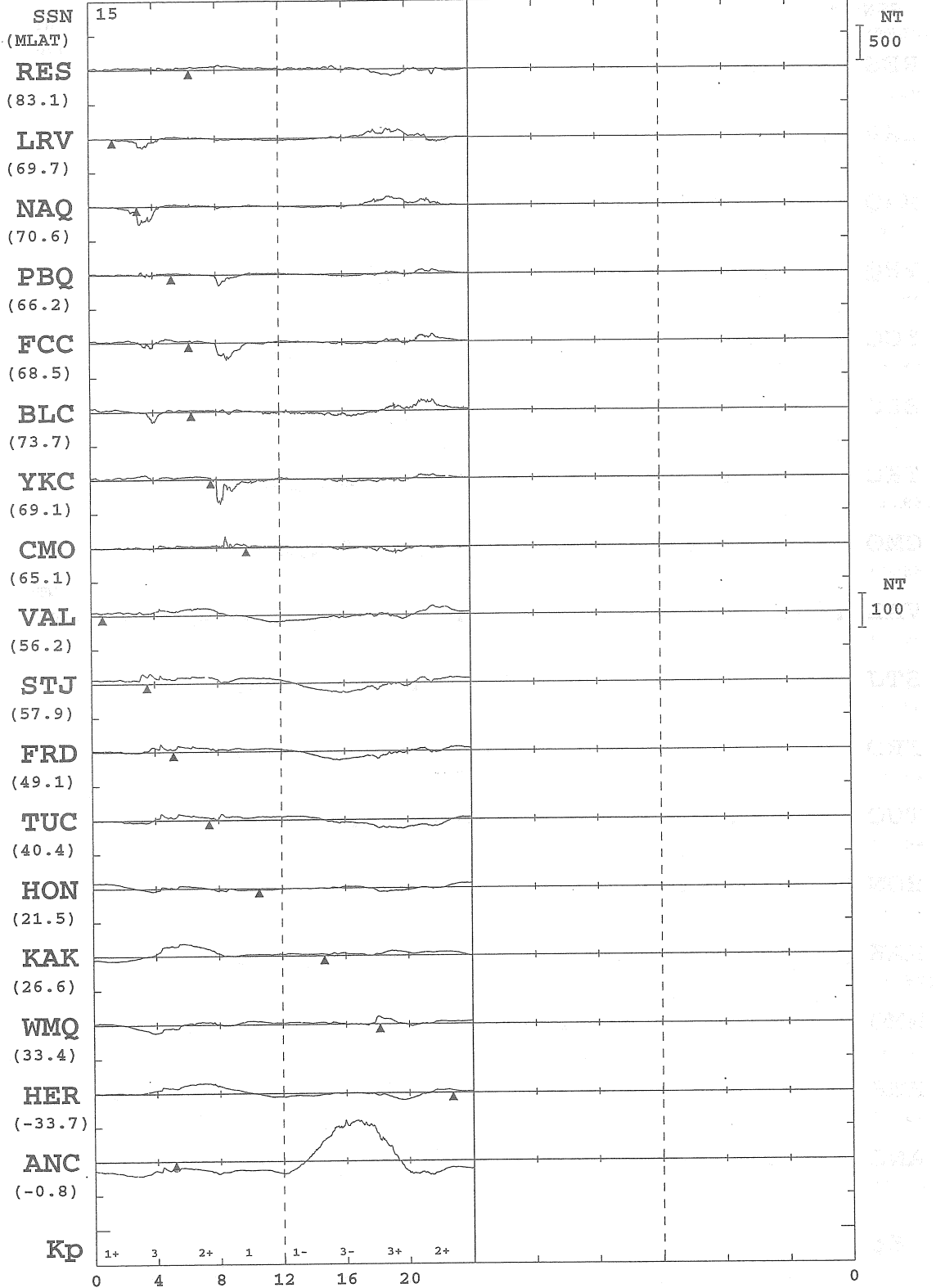
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



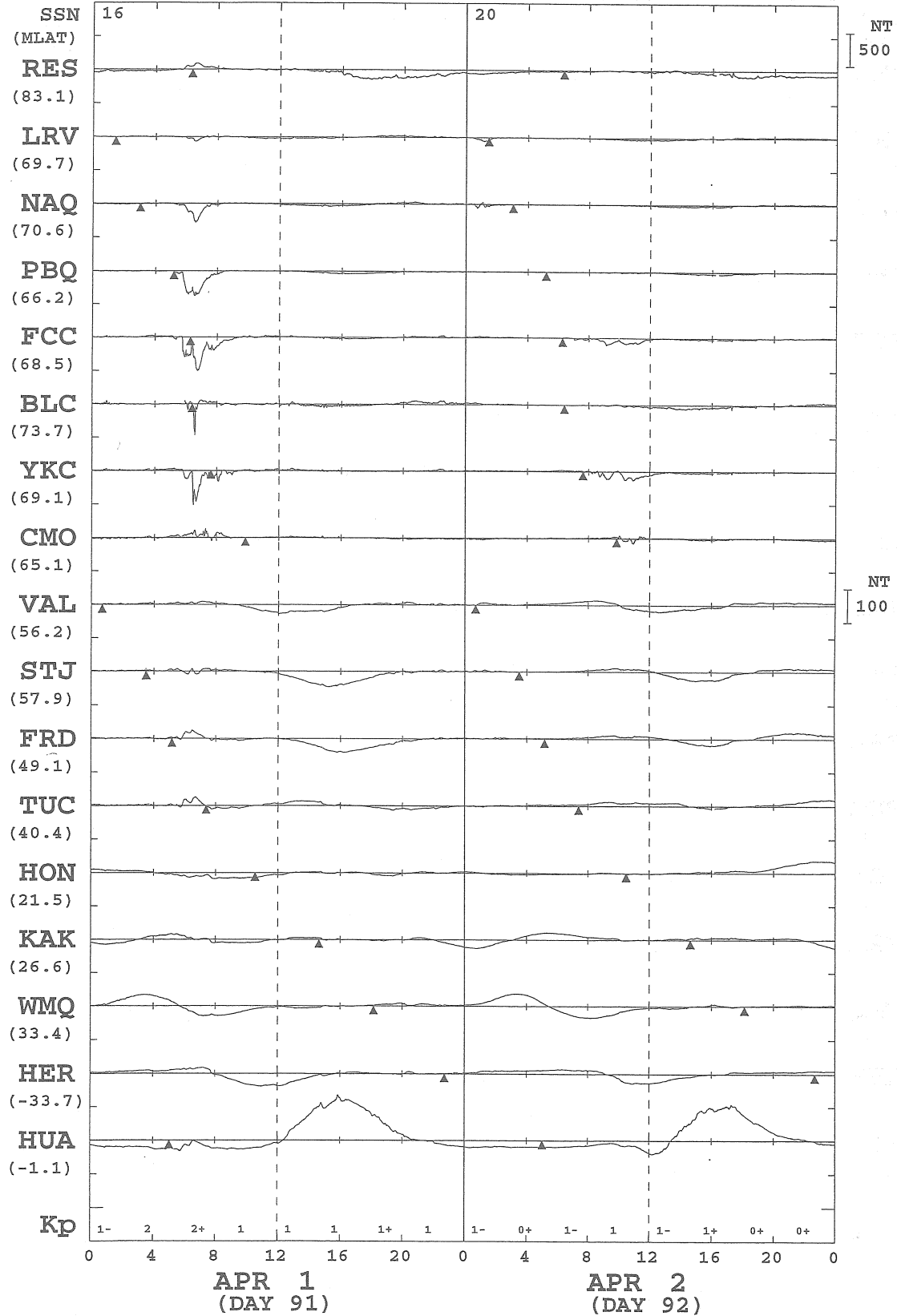
MAR 31  
(DAY 90)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



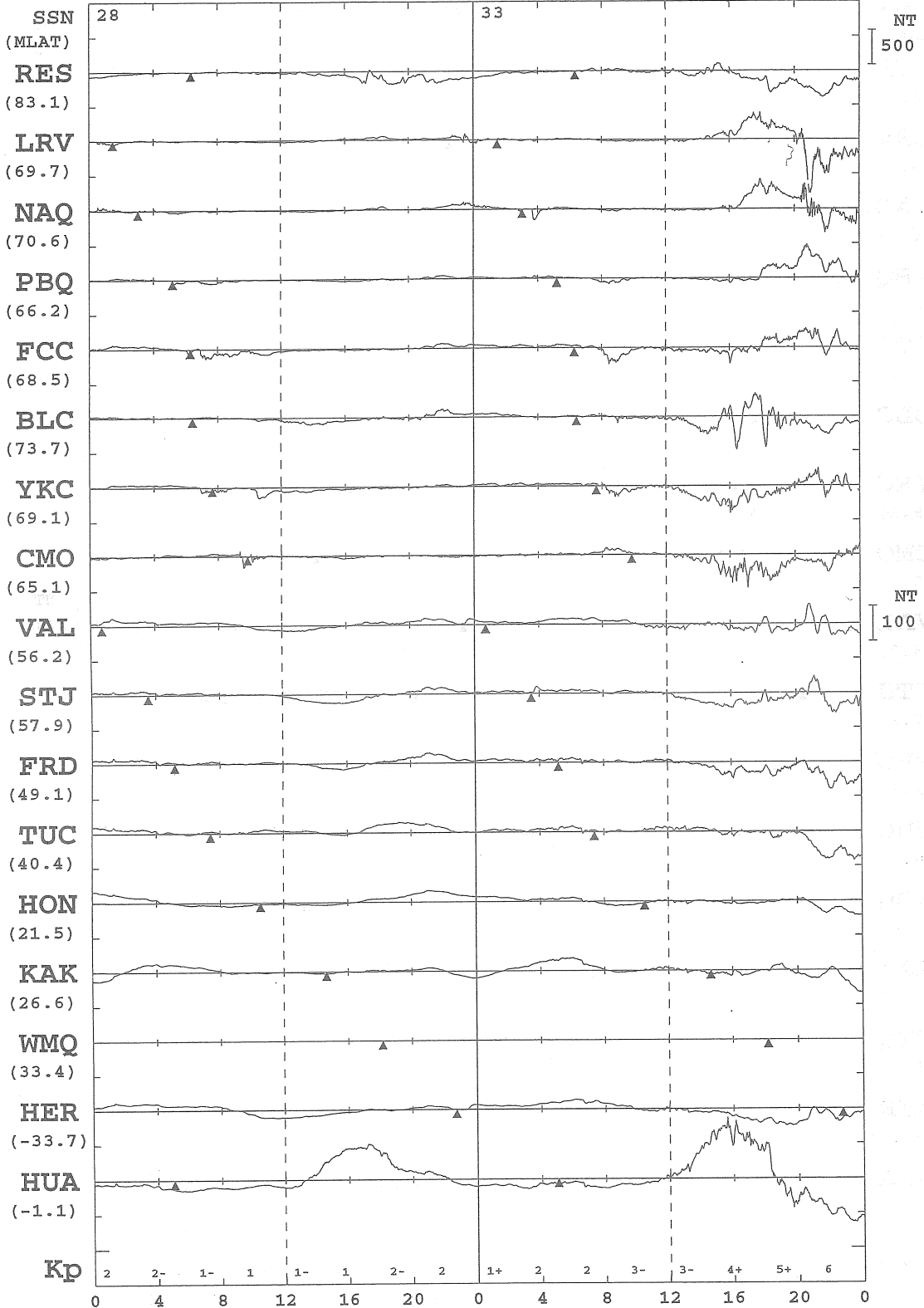
2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

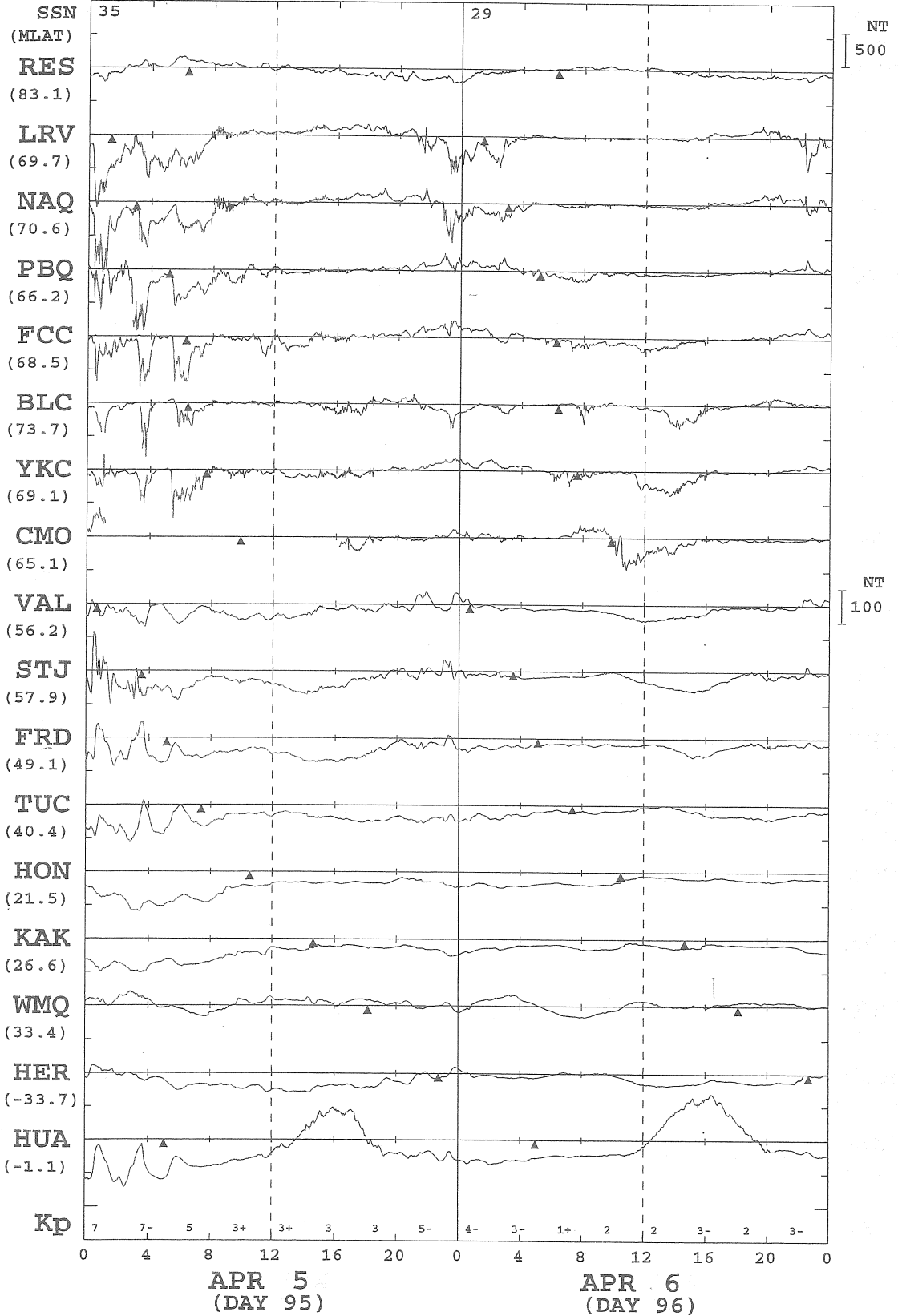


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

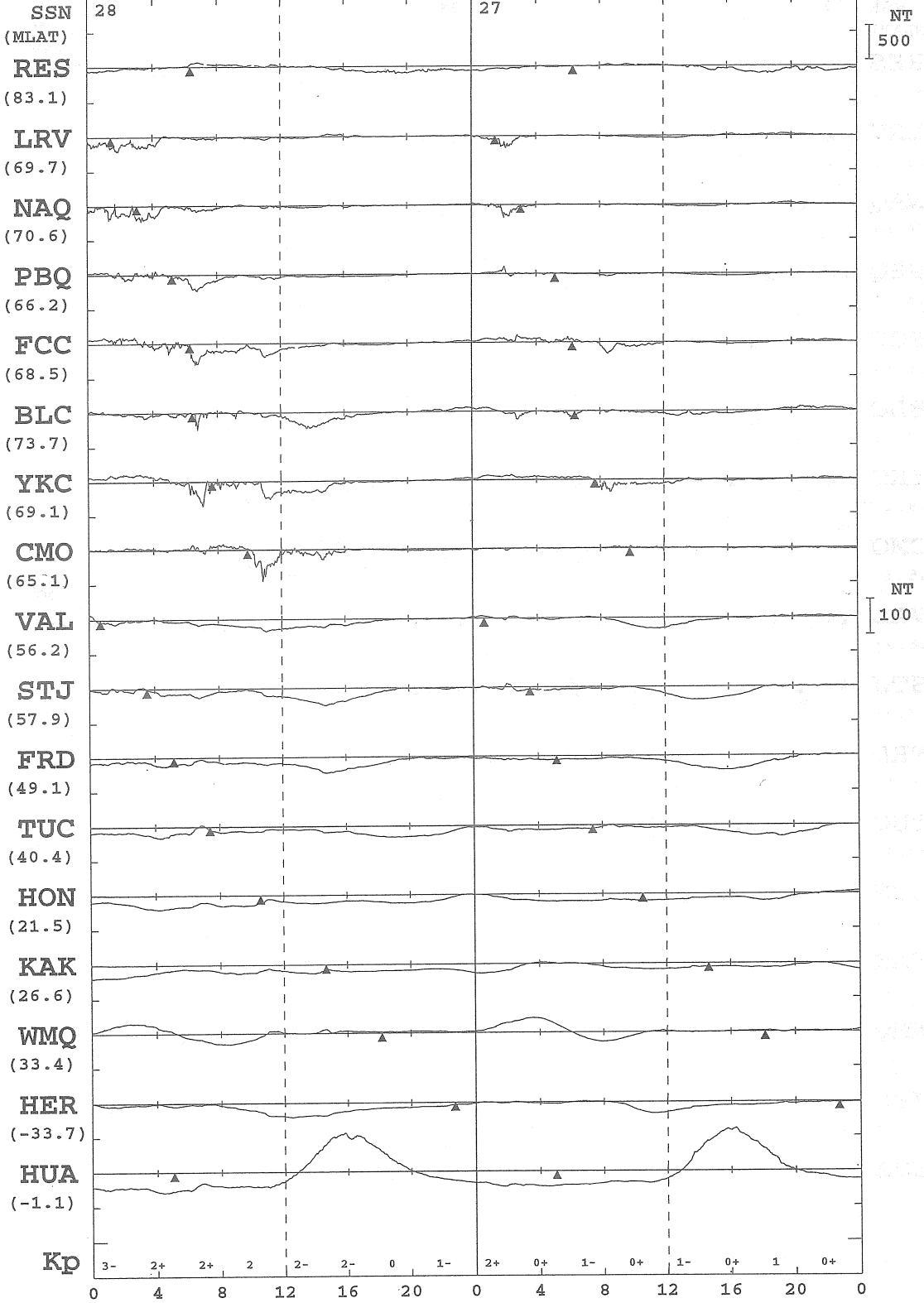
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

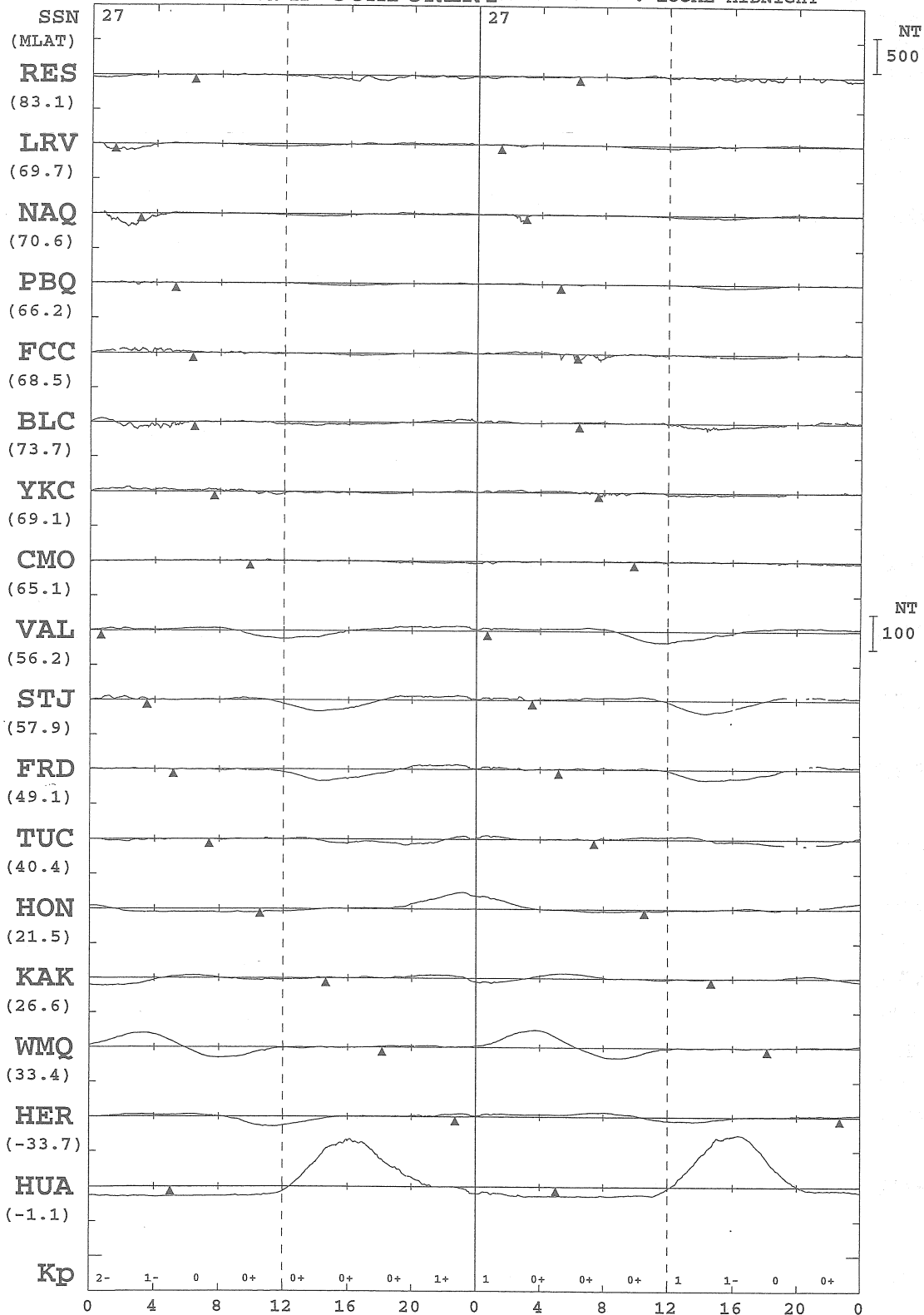
2005 H OR X-COMPONENT LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



APR 9  
(DAY 99)

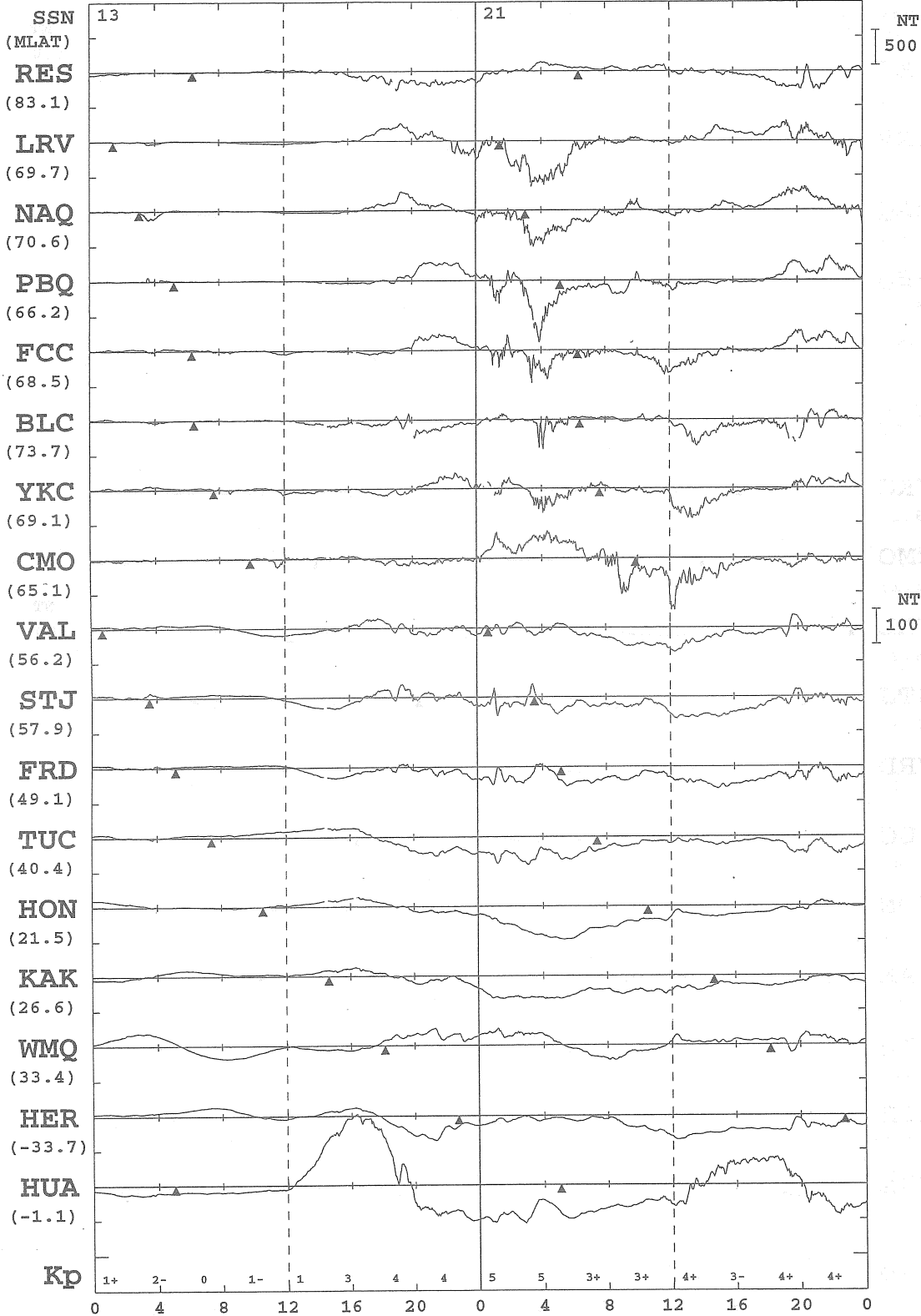
APR 10  
(DAY 100)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



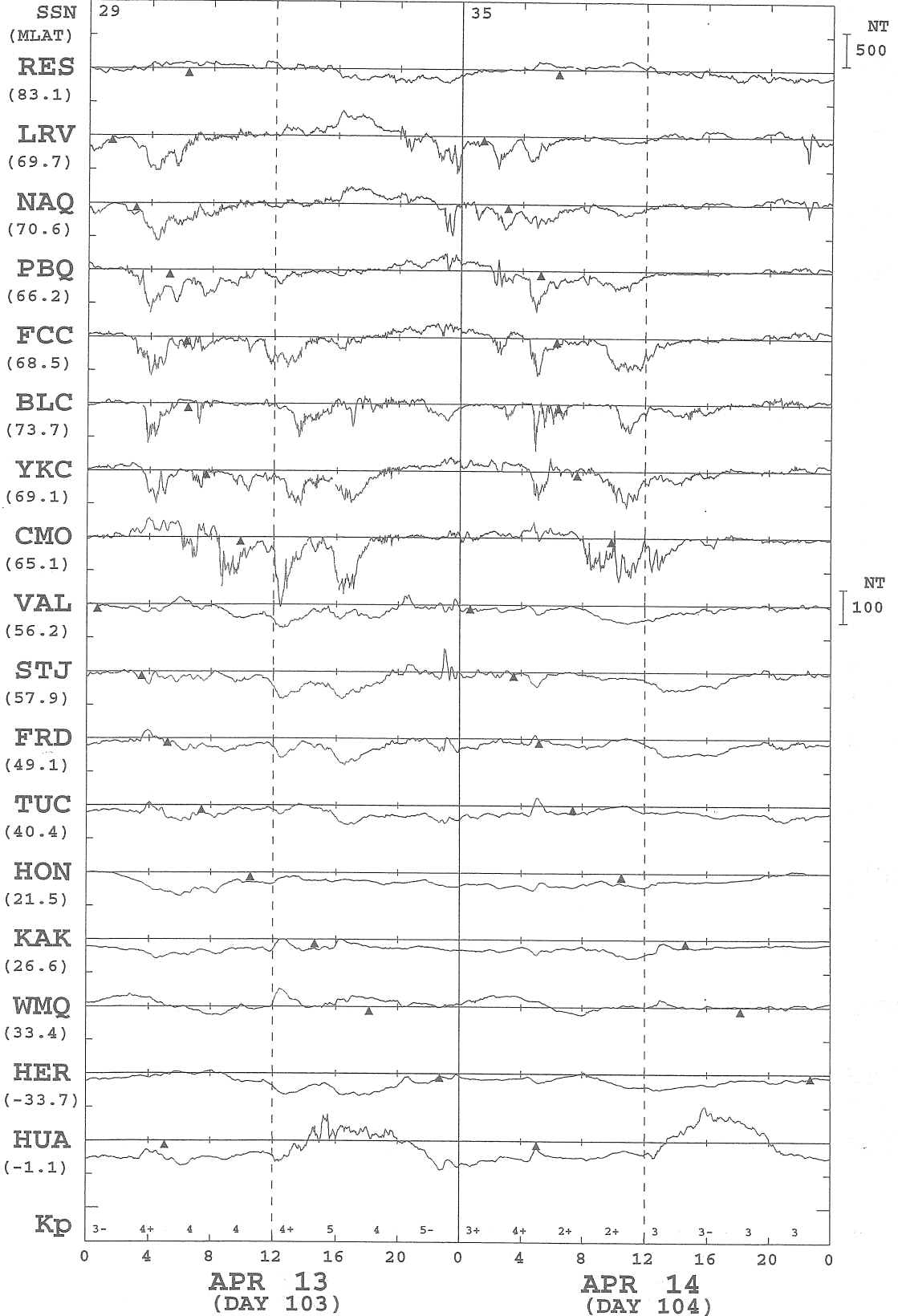
APR 11  
(DAY 101)

APR 12  
(DAY 102)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

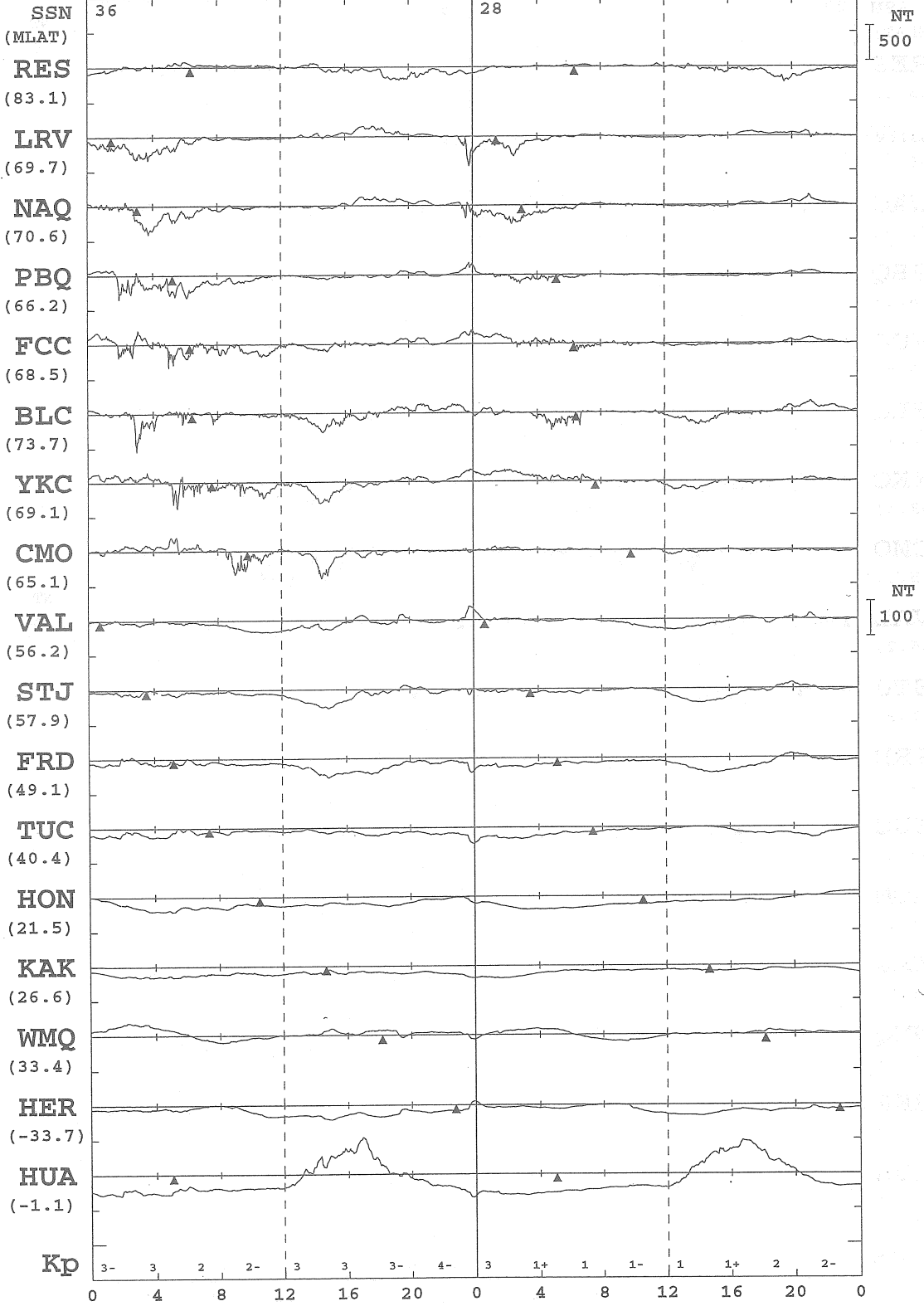
2005 H OR X-COMPONENT ~~XXXX~~ ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



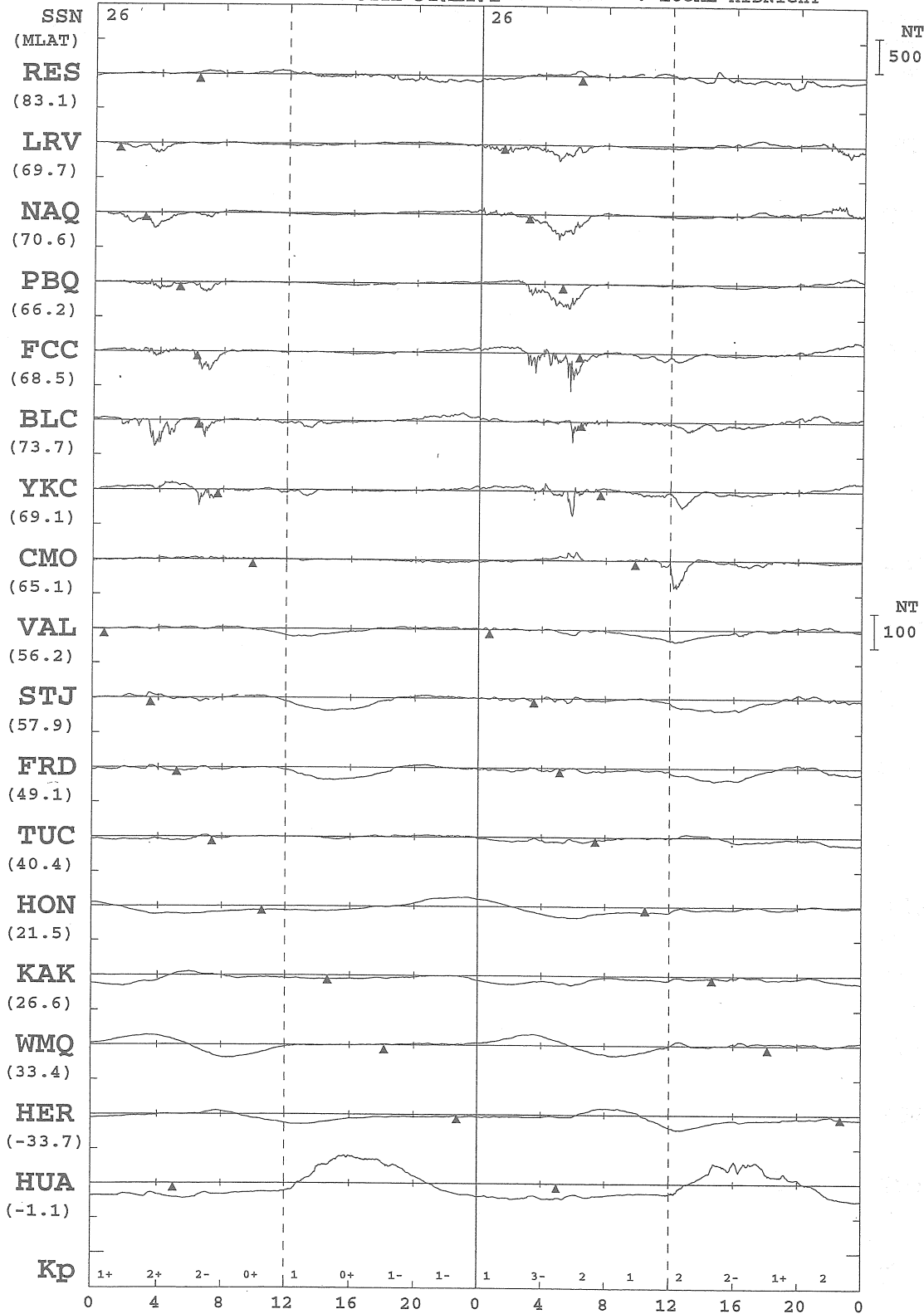
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



# 2005 H OR X-COMPONENT

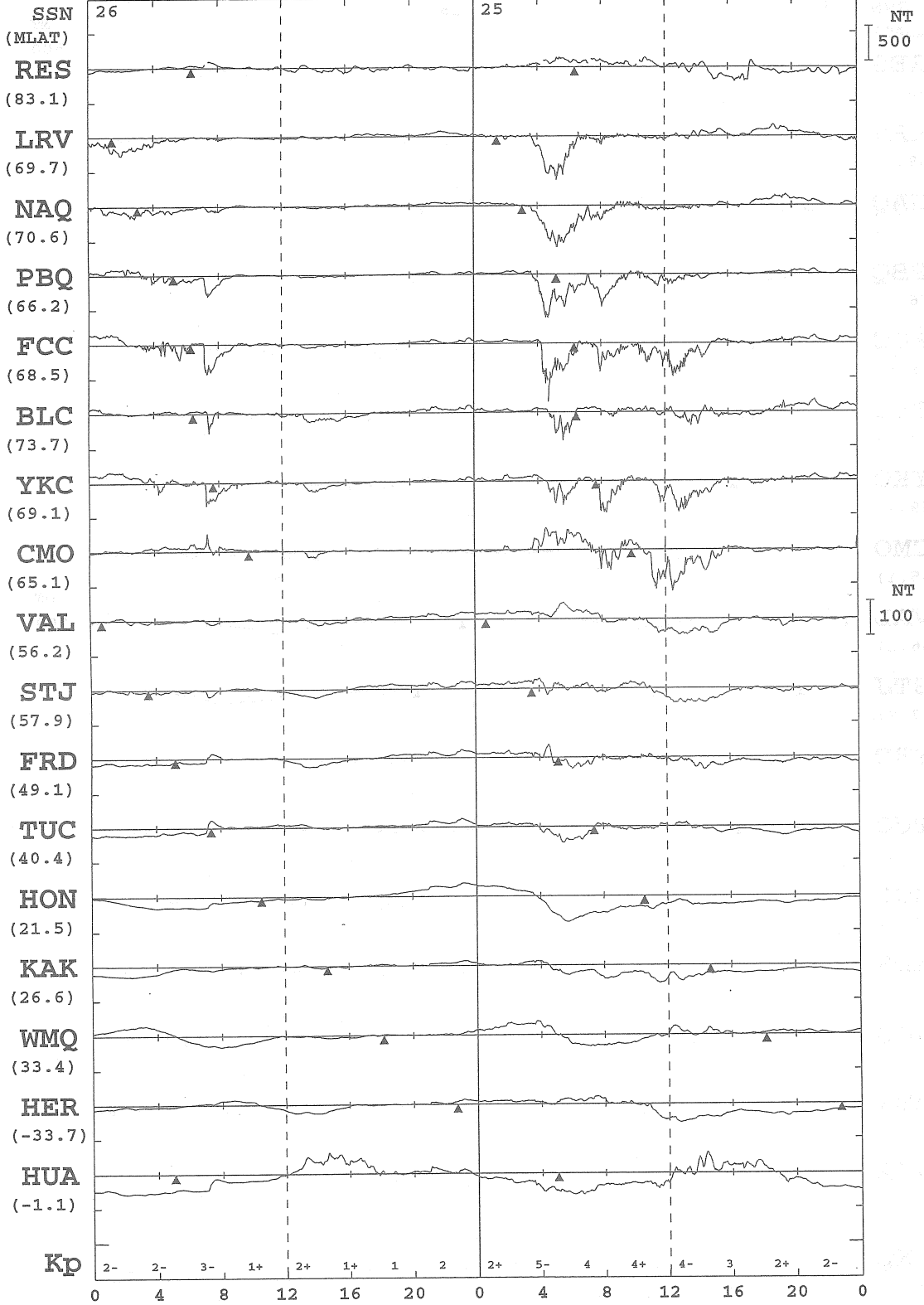
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



APR 19 (DAY 109)

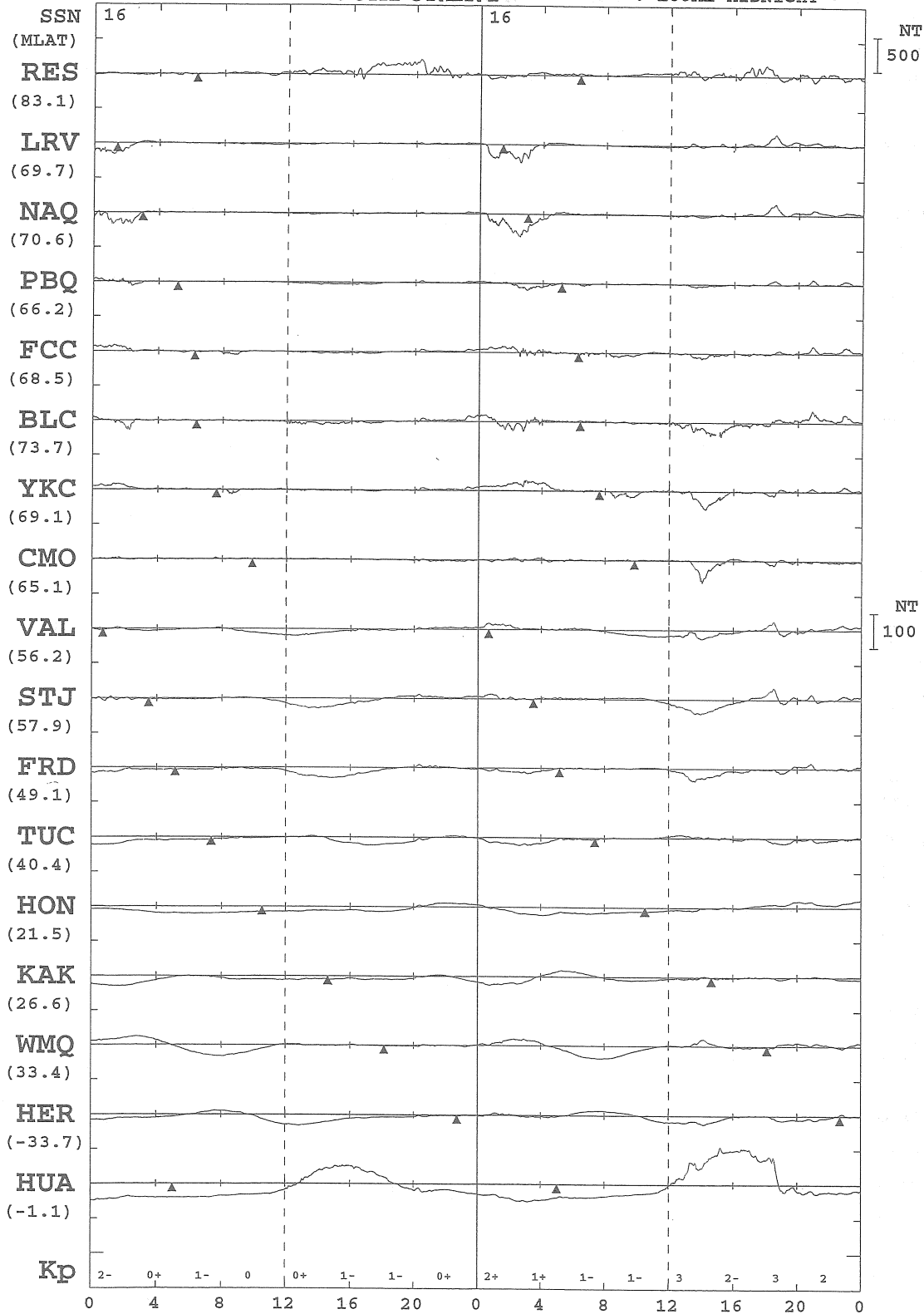
APR 20 (DAY 110)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

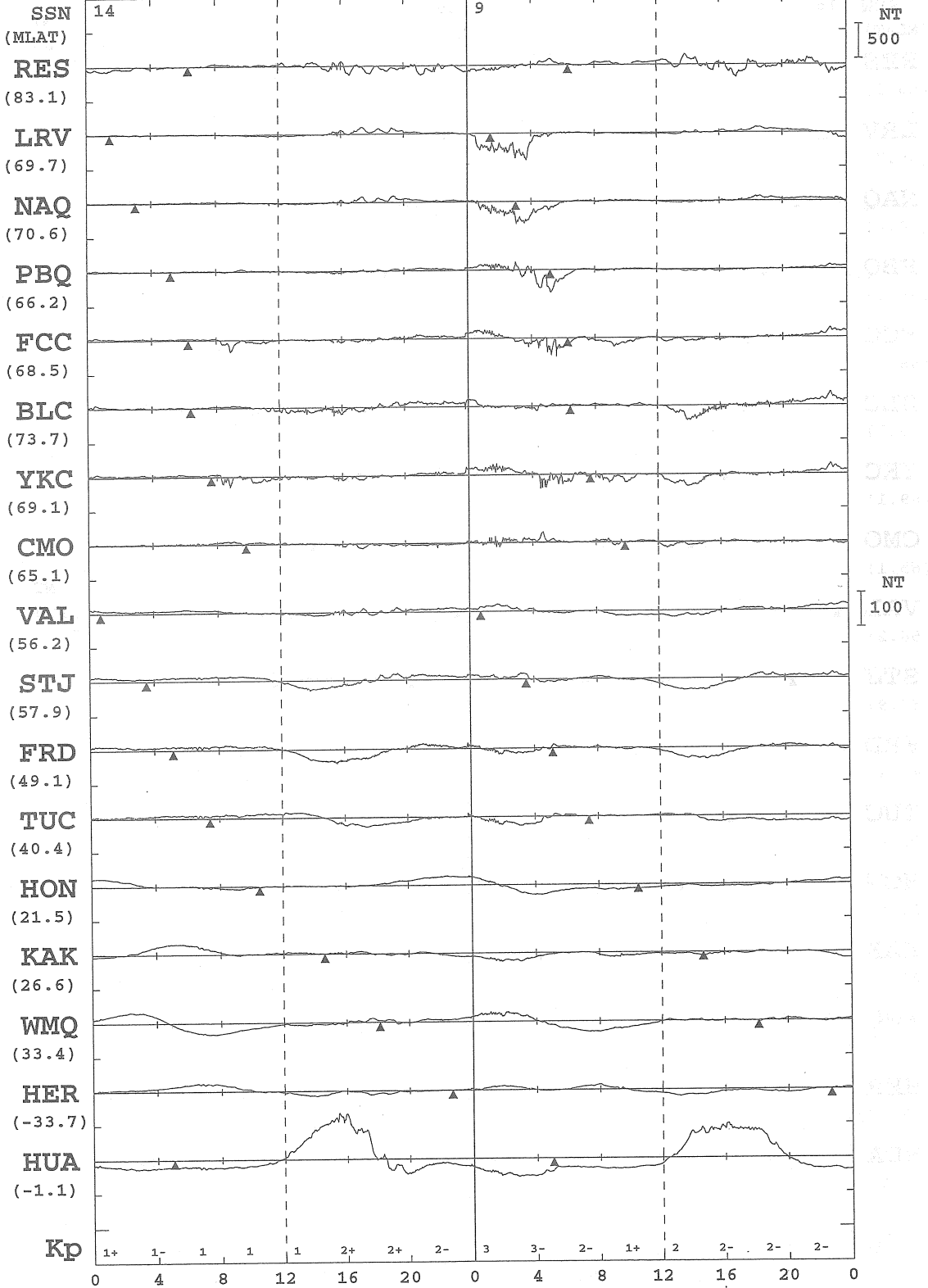
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

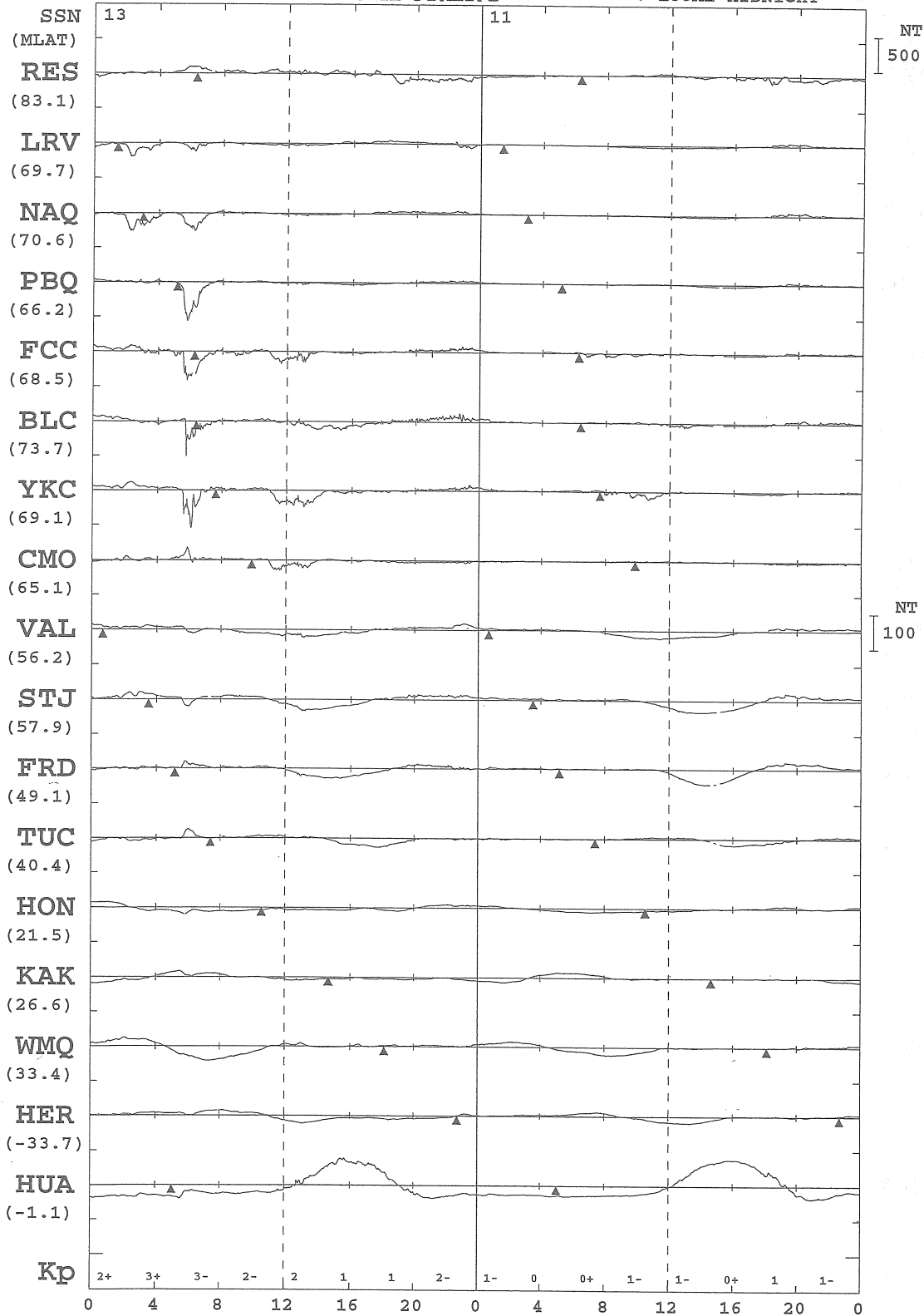
2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

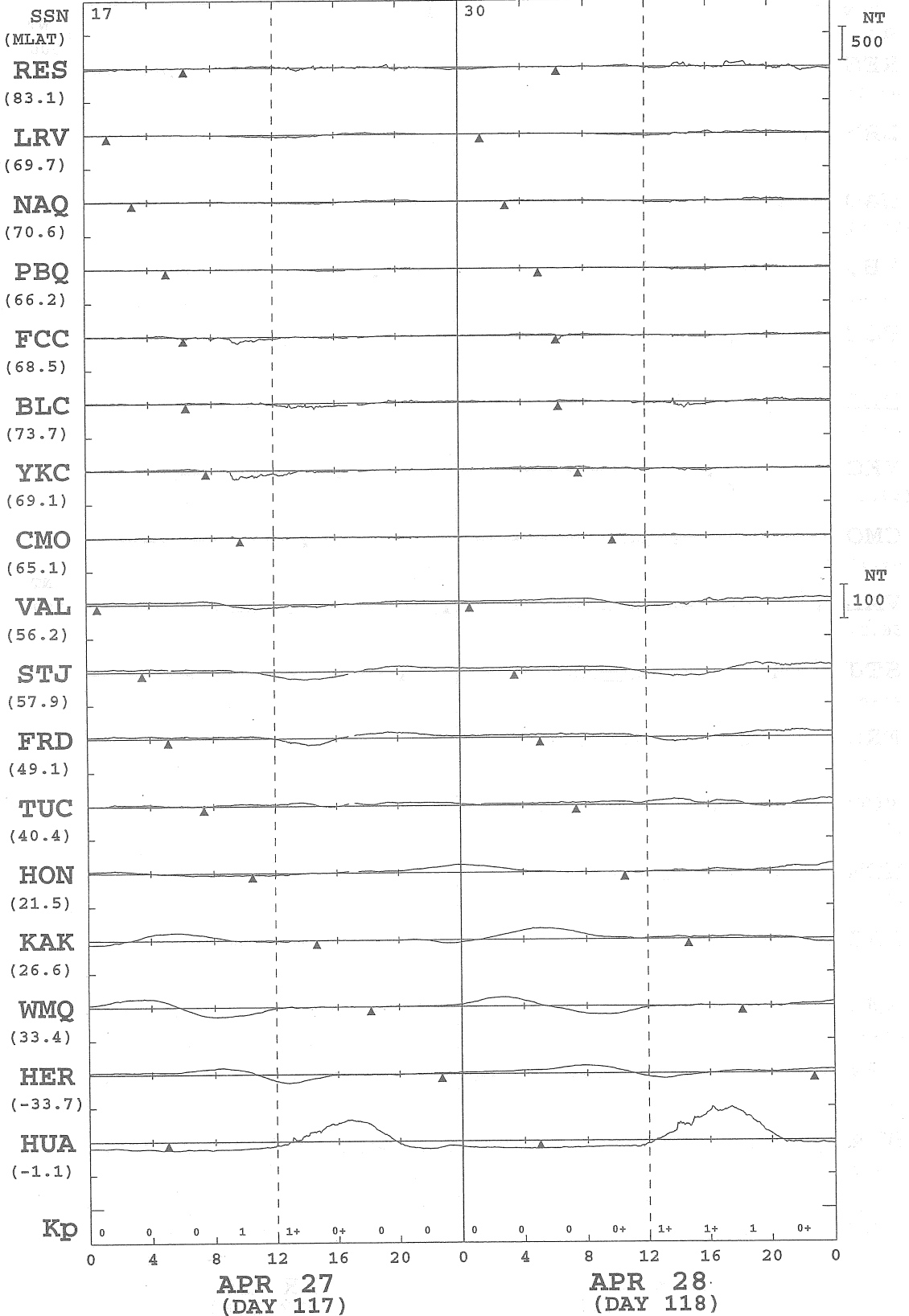


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

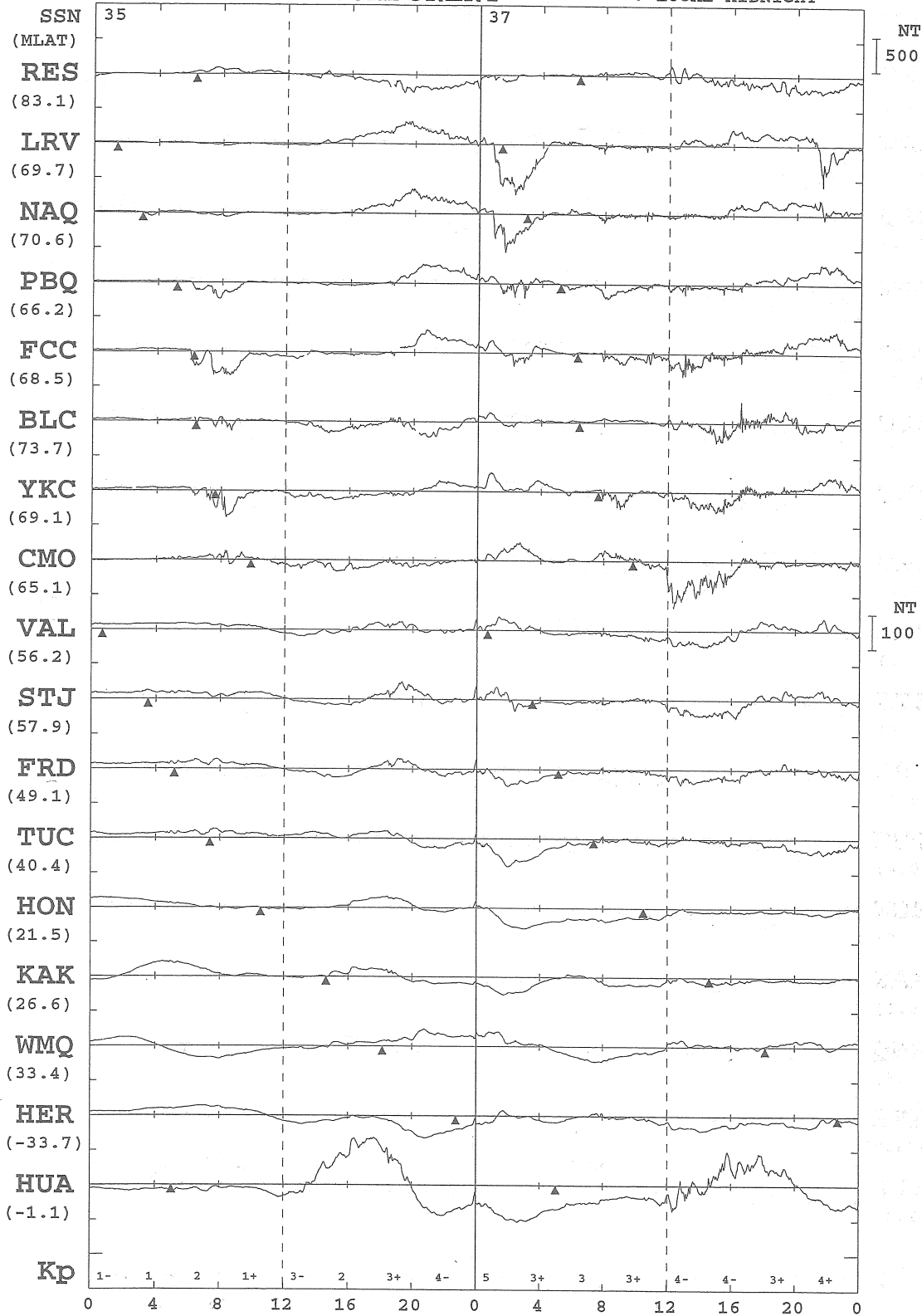


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

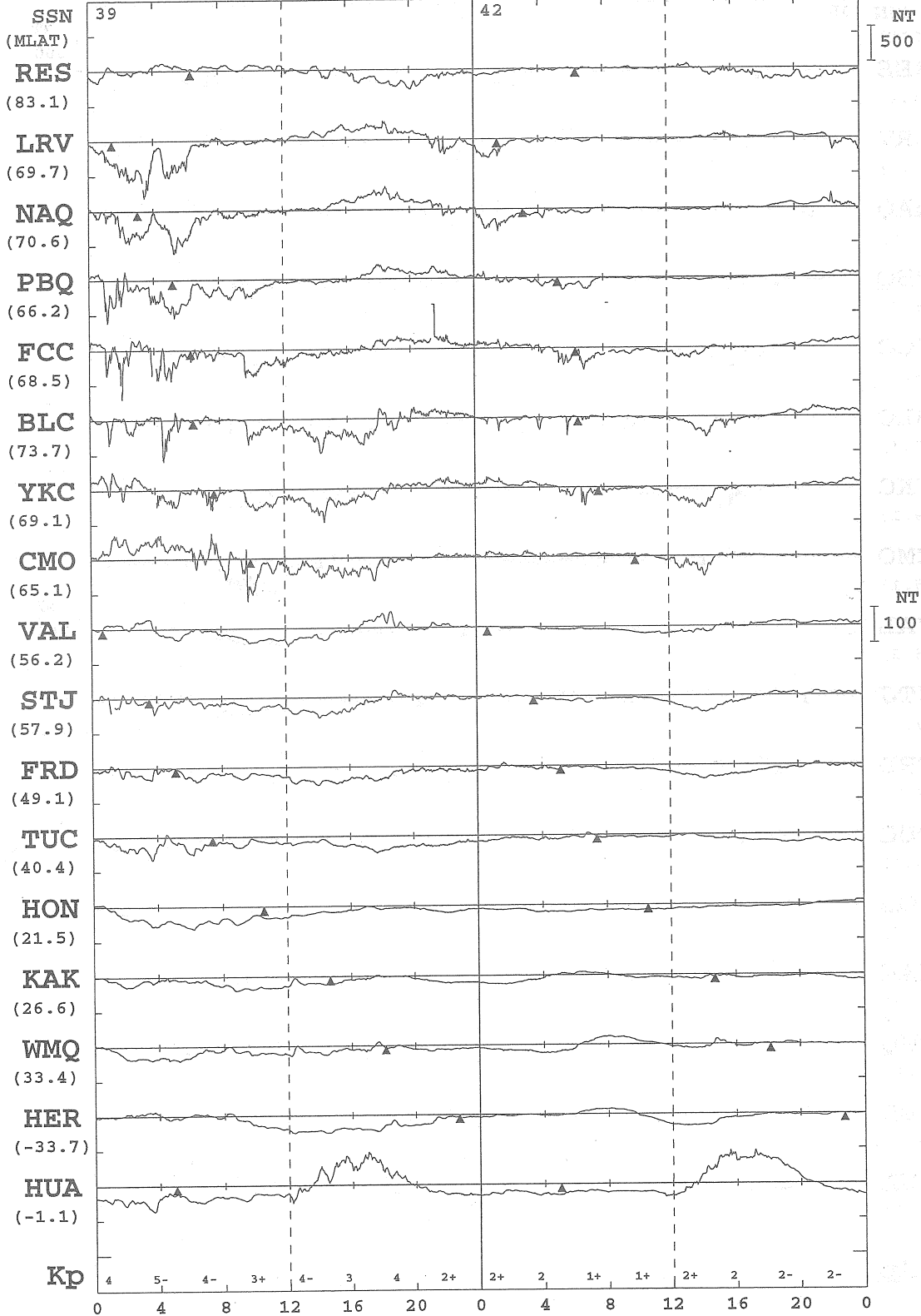
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

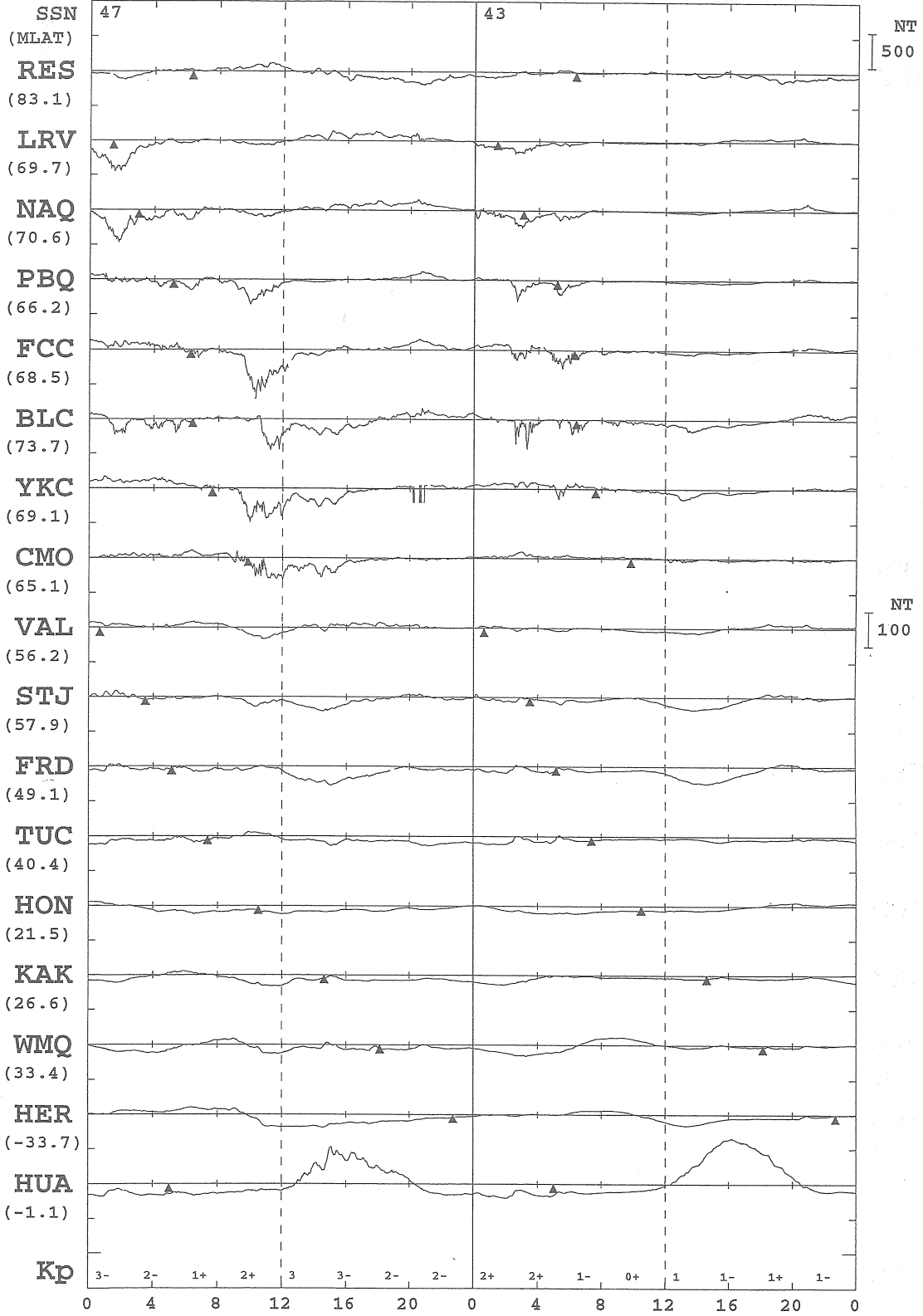


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

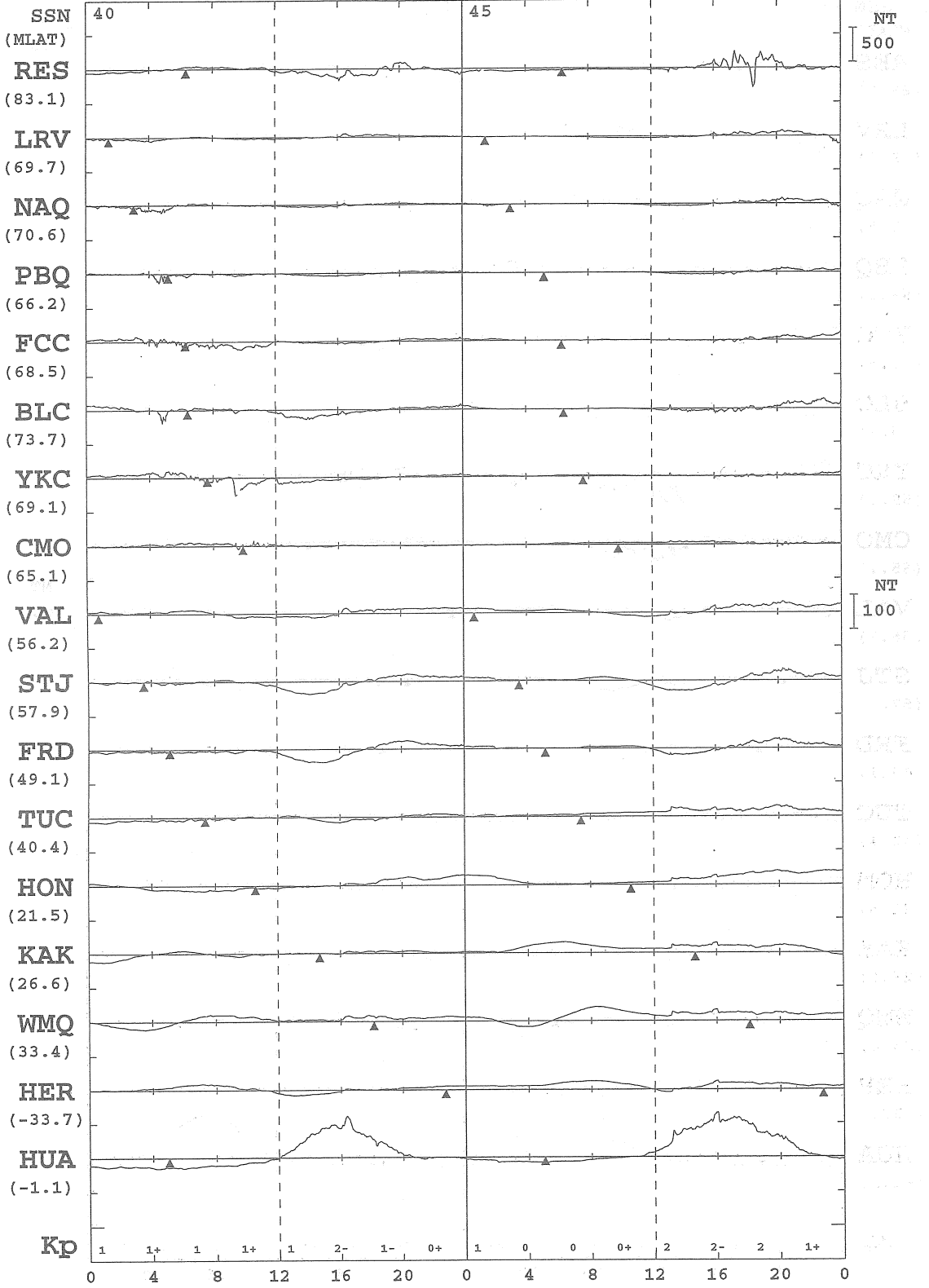


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 5  
(DAY 125)

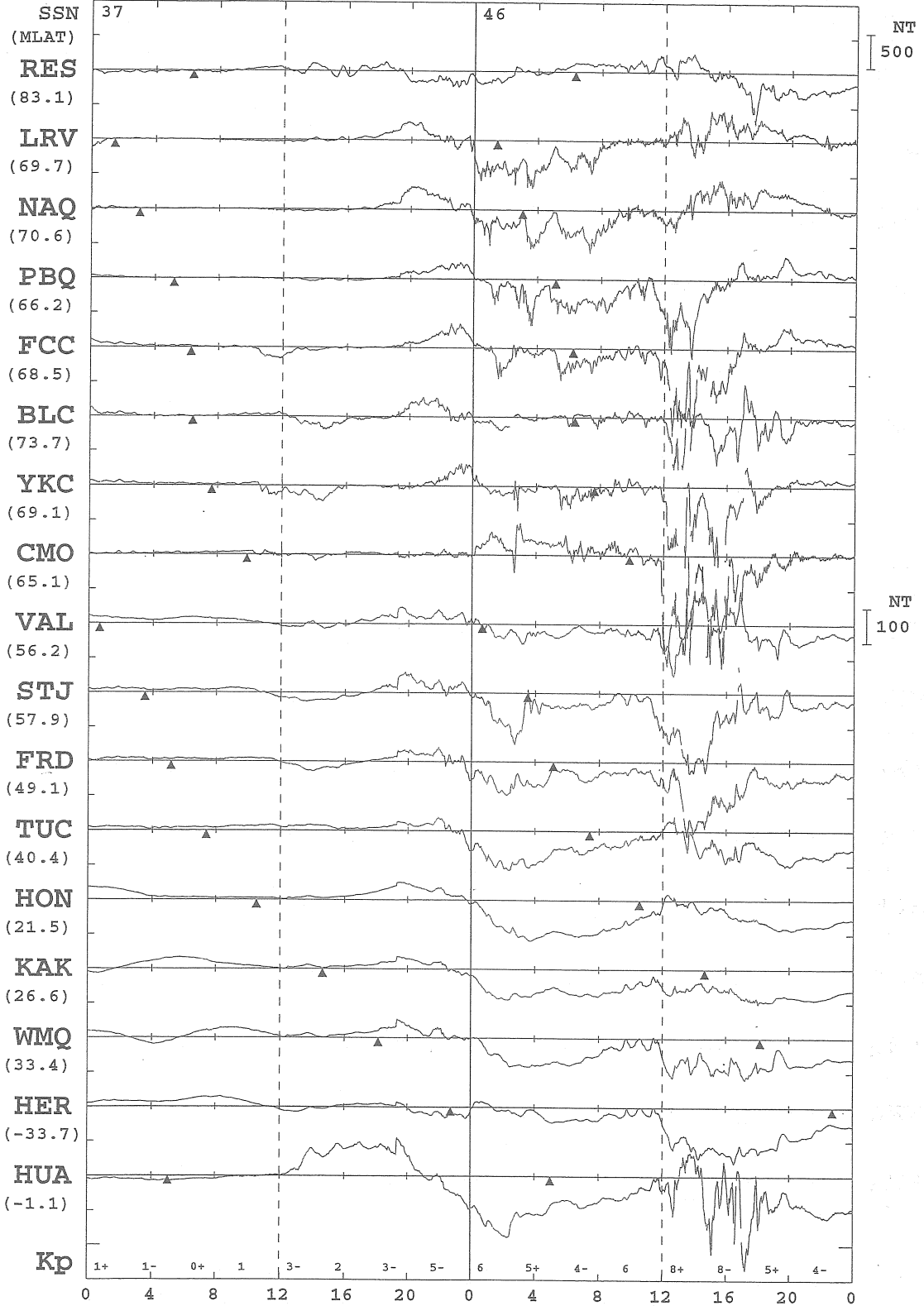
MAY 6  
(DAY 126)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

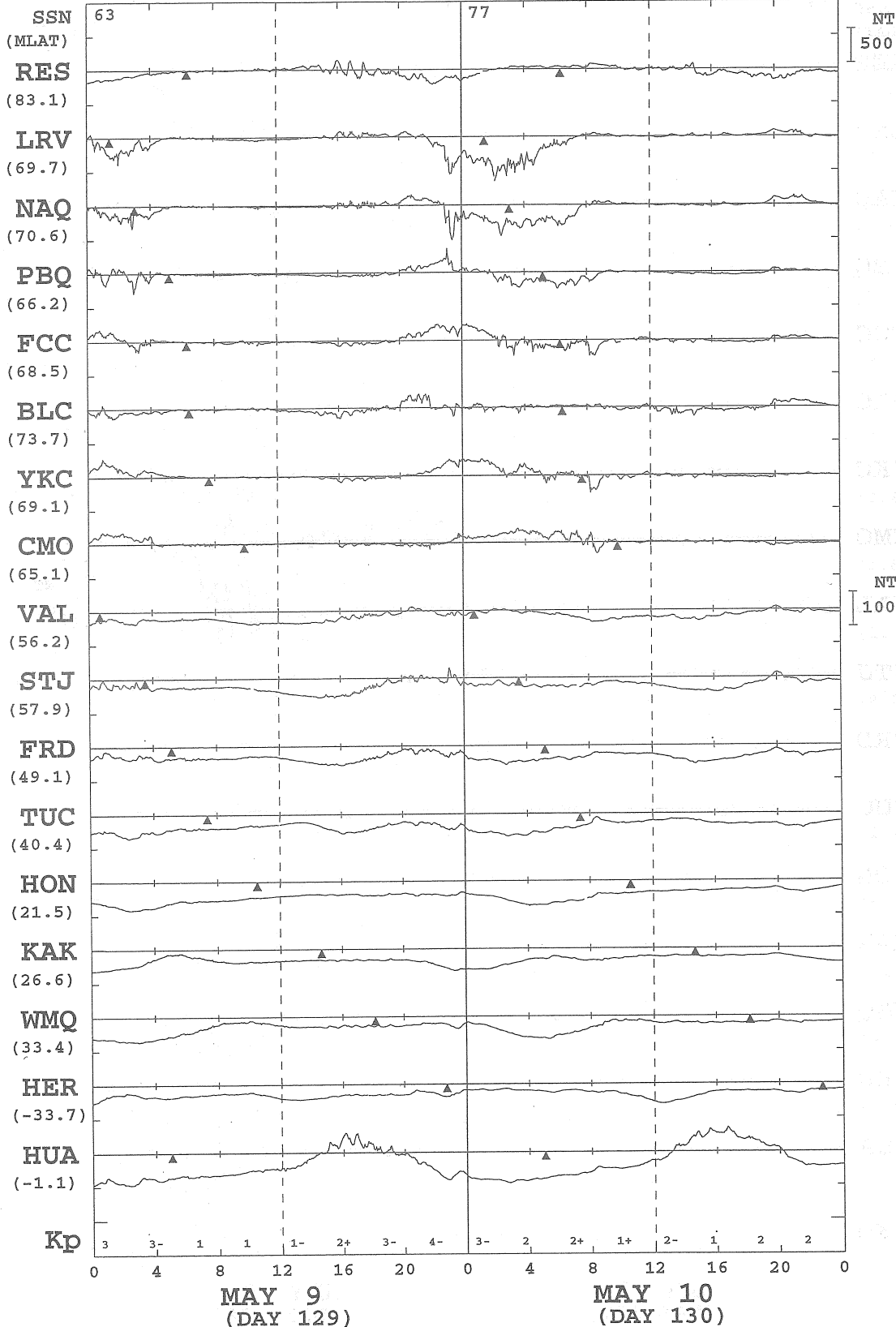
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

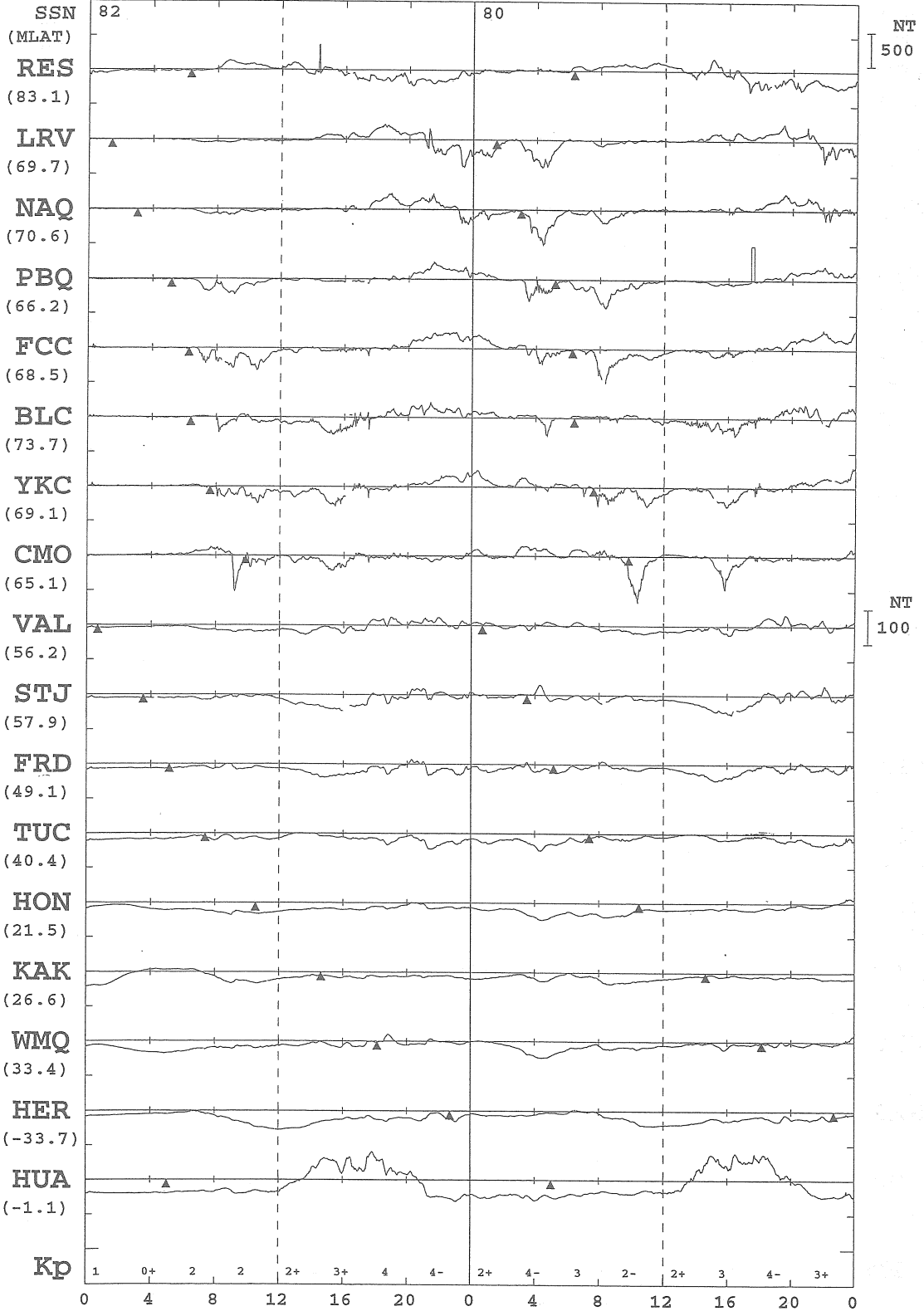


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



Kp

MAY 11  
(DAY 131)

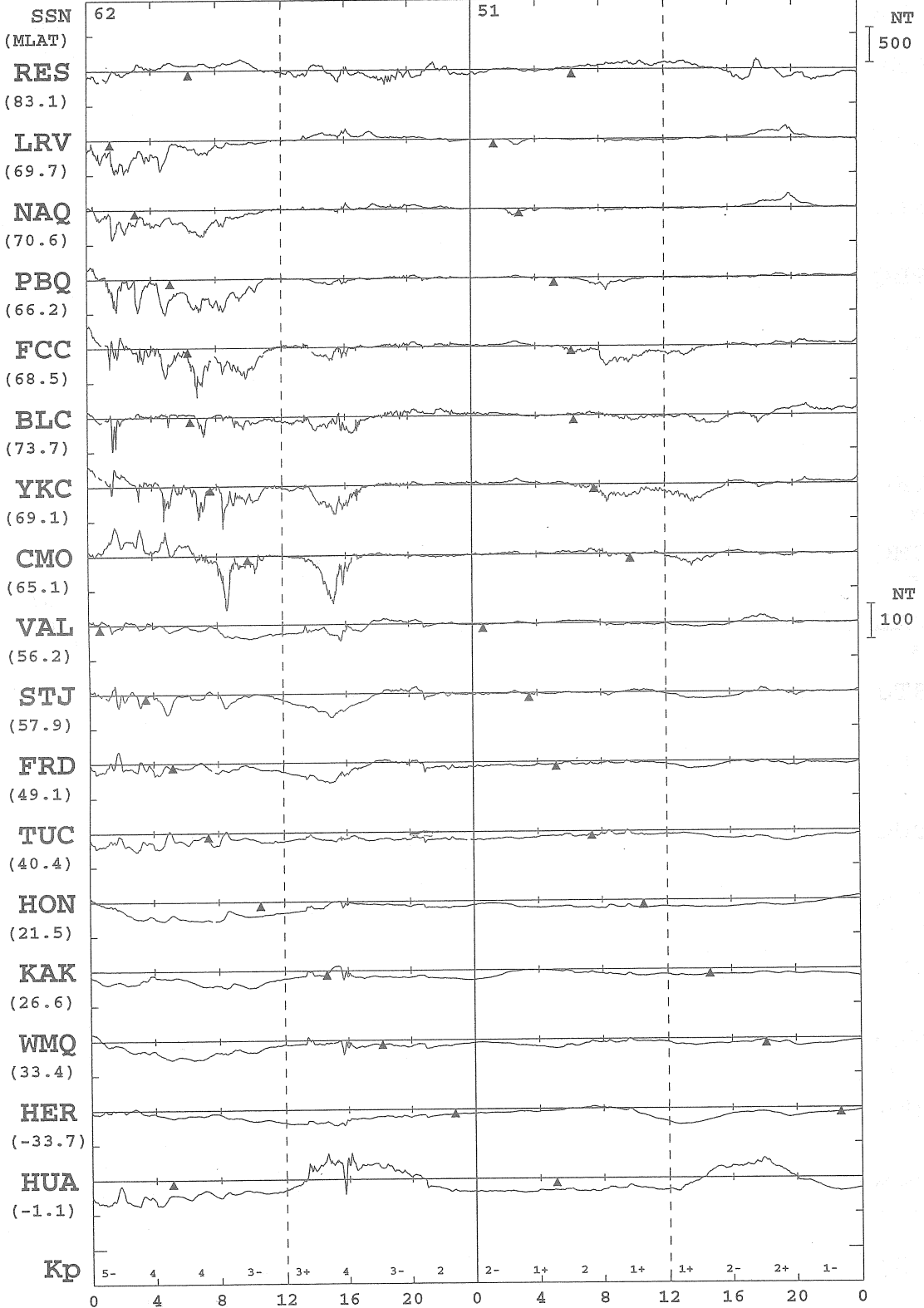
MAY 12  
(DAY 132)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 13  
(DAY 133)

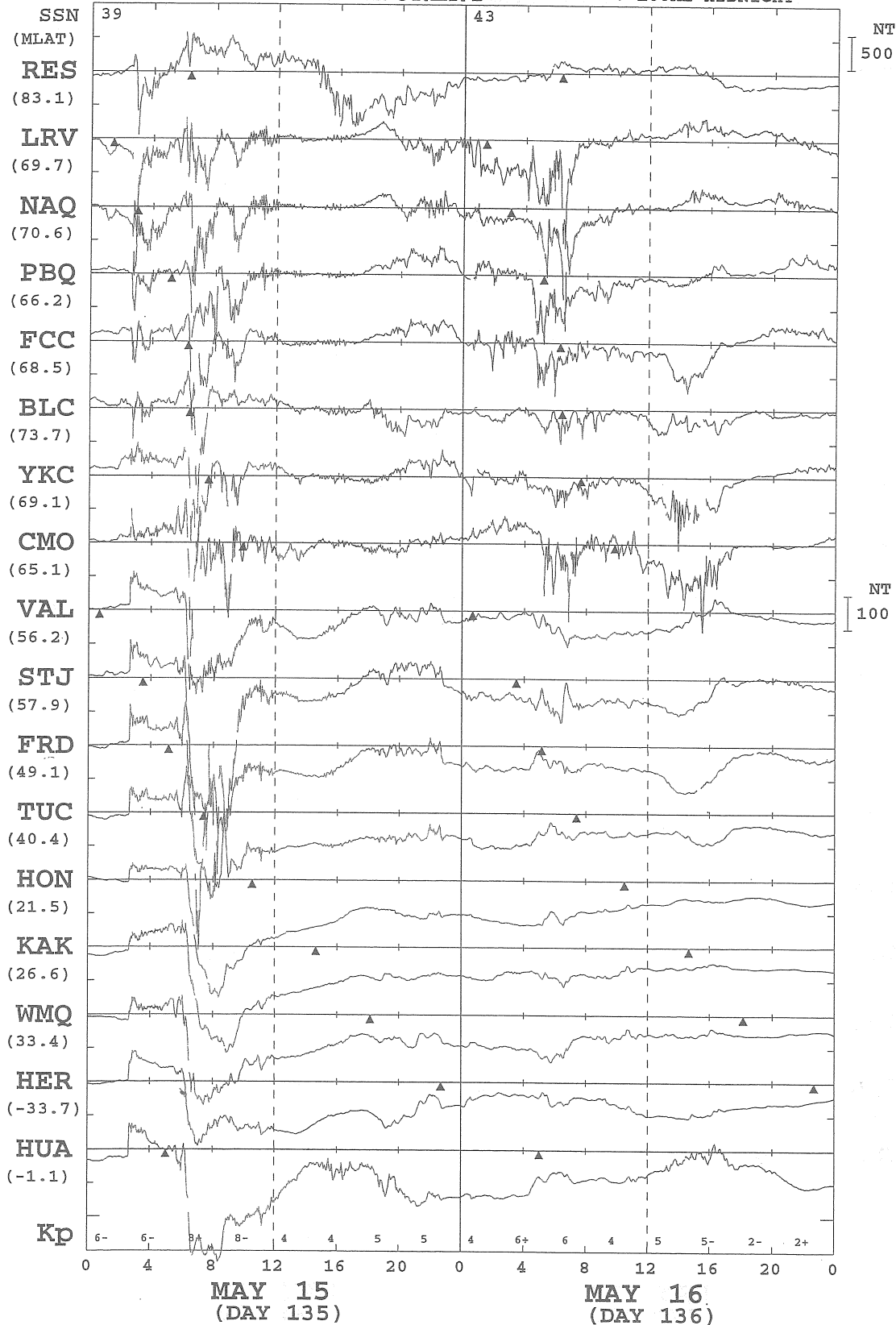
MAY 14  
(DAY 134)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

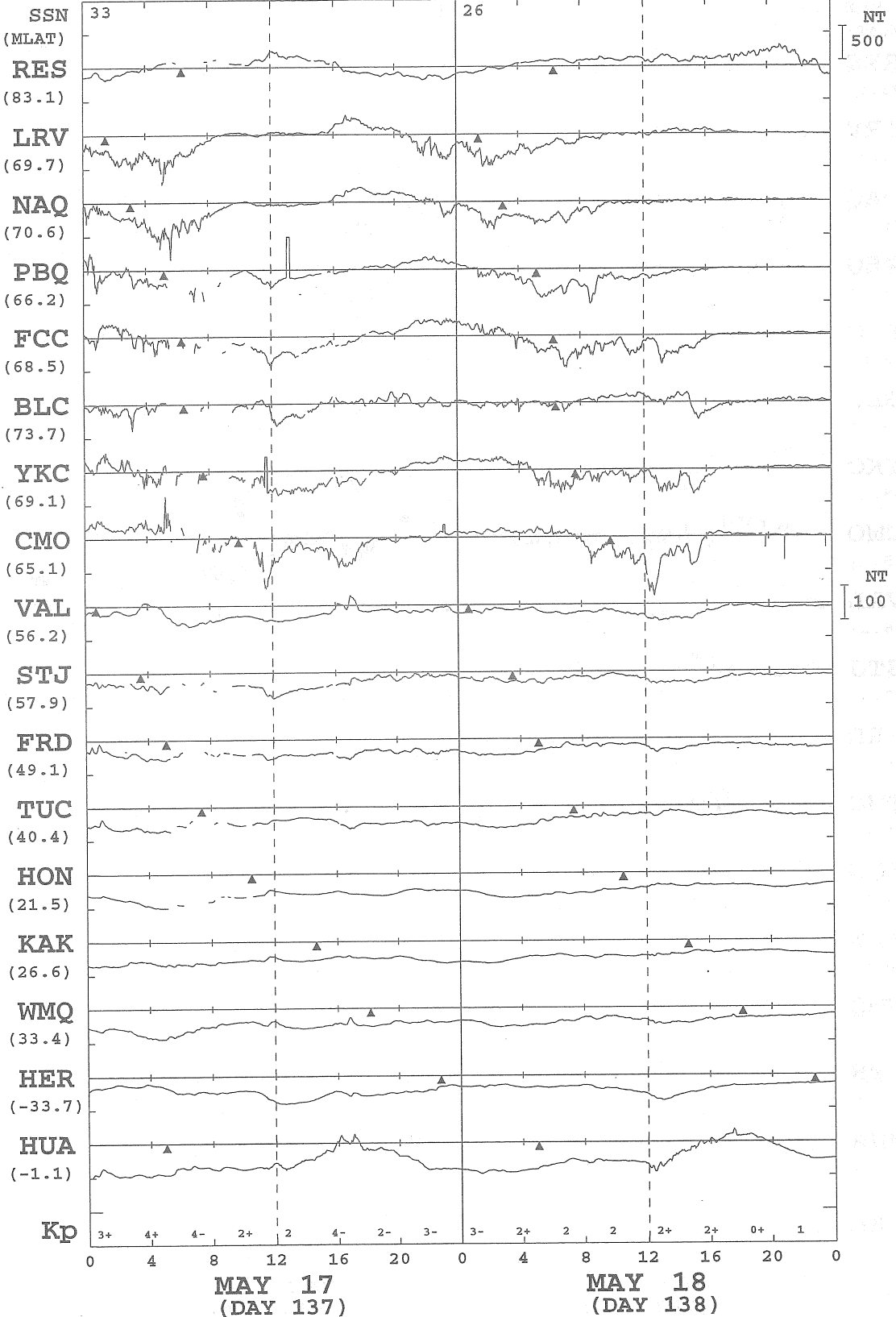
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

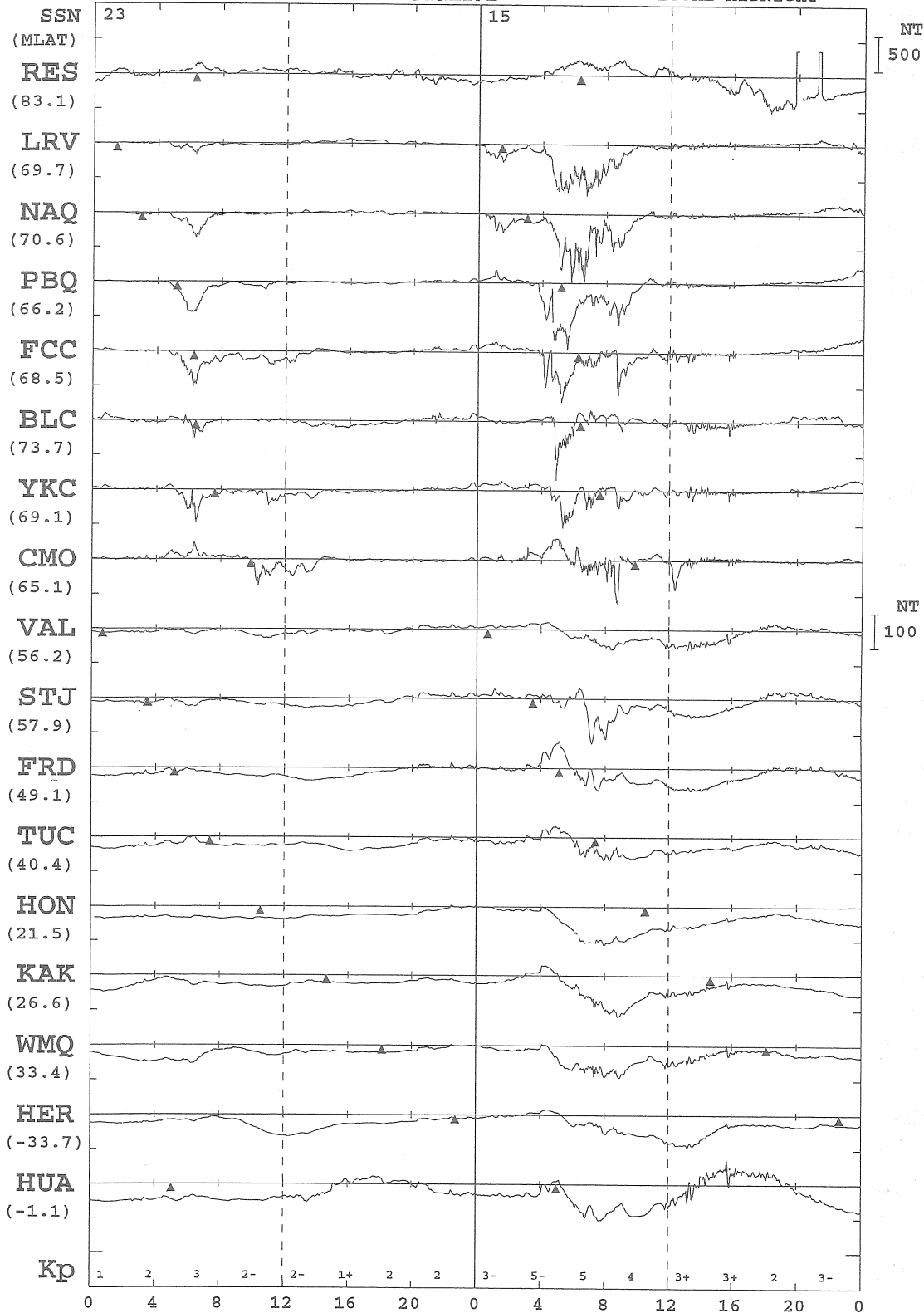


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

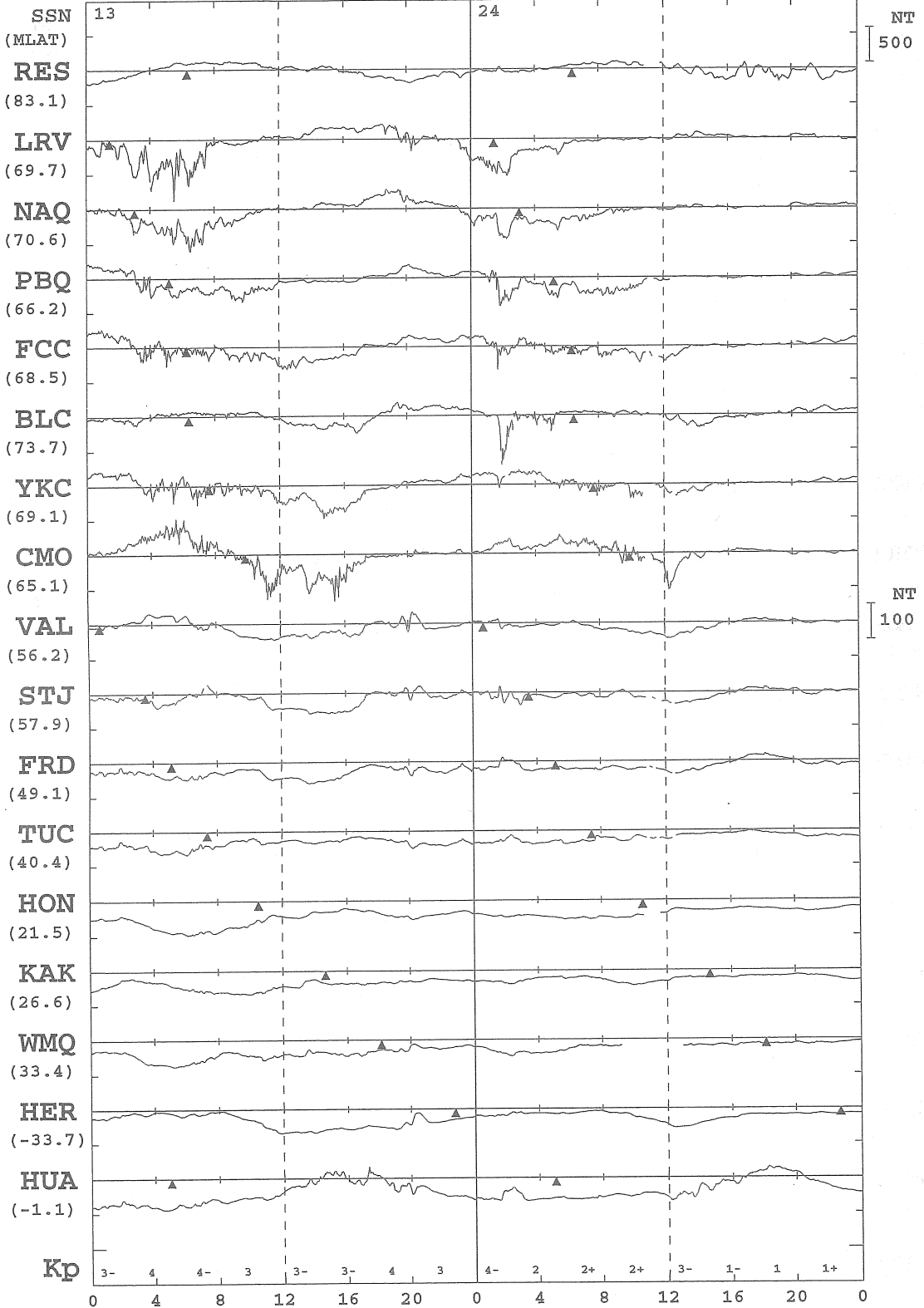


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

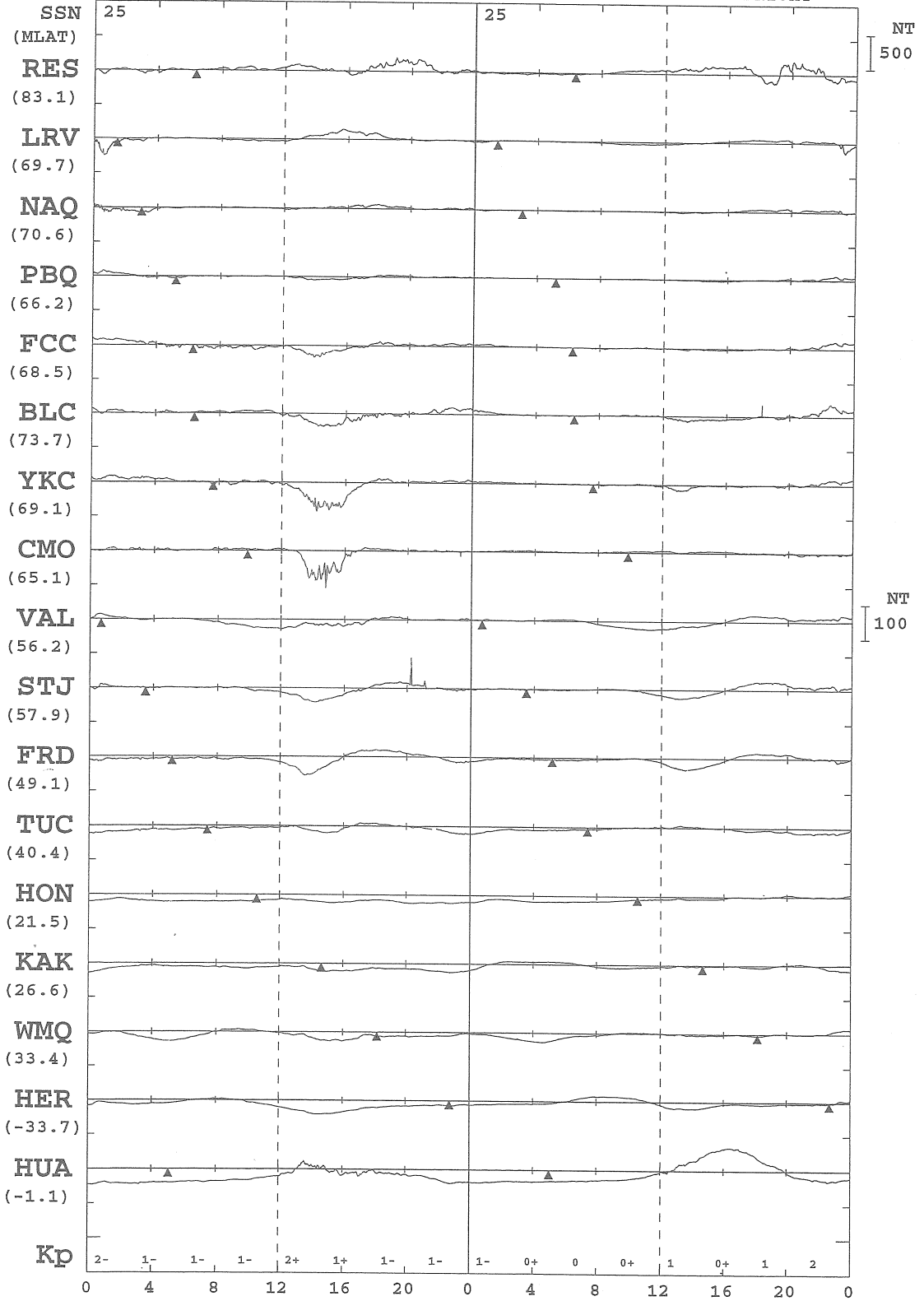


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



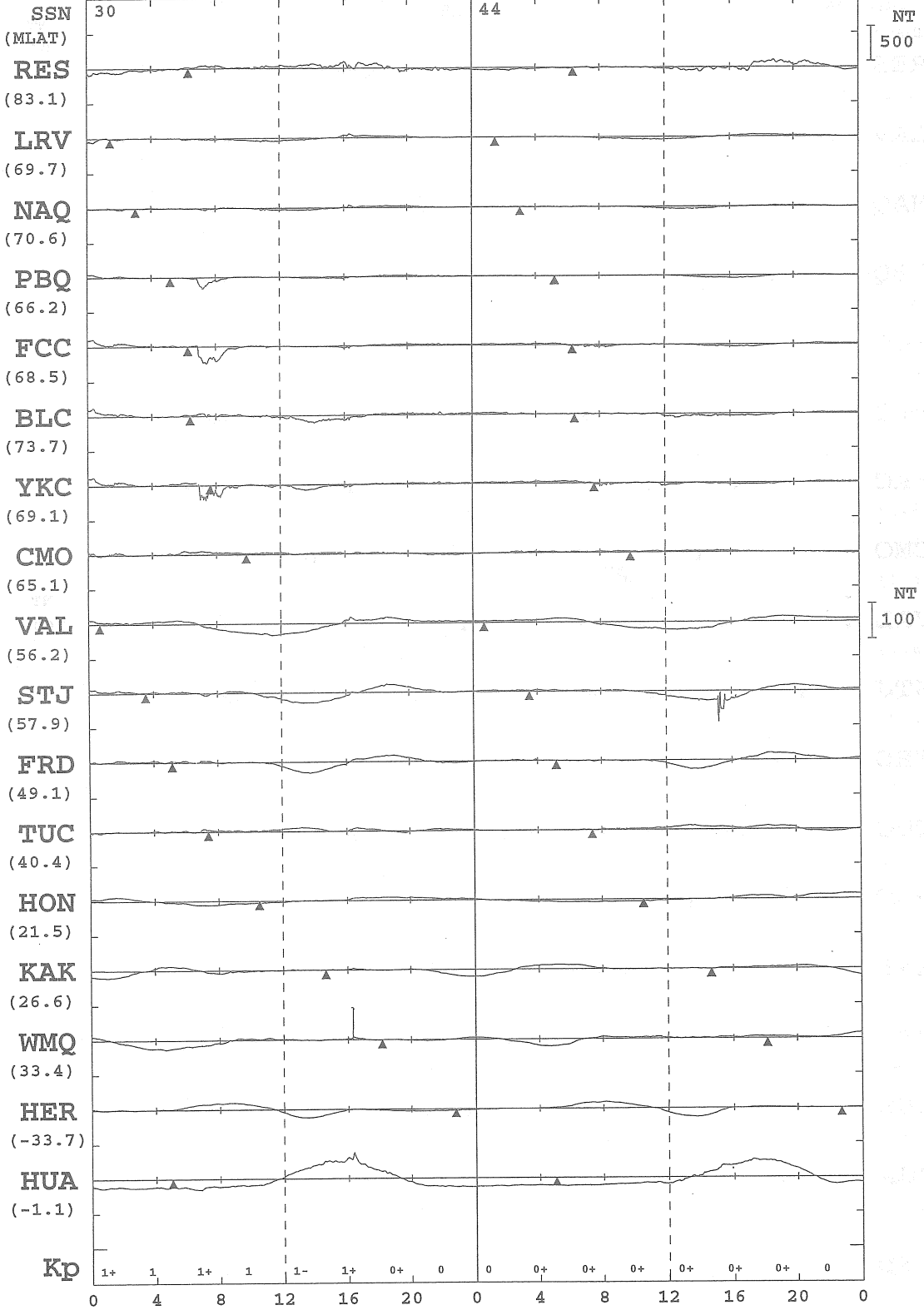
MAY 23  
(DAY 143)

MAY 24  
(DAY 144)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

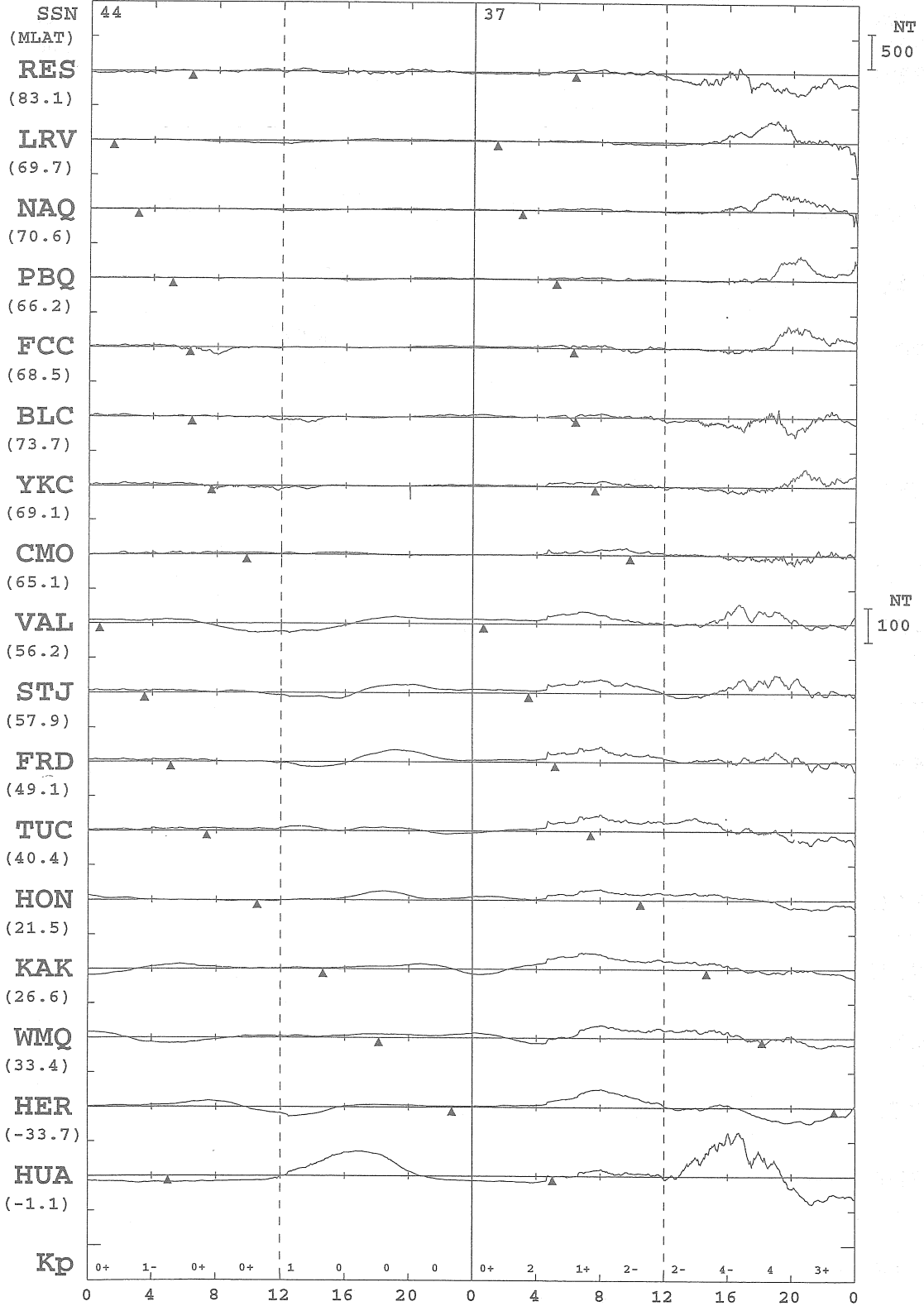


MAY 25 (DAY 145) MAY 26 (DAY 146)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

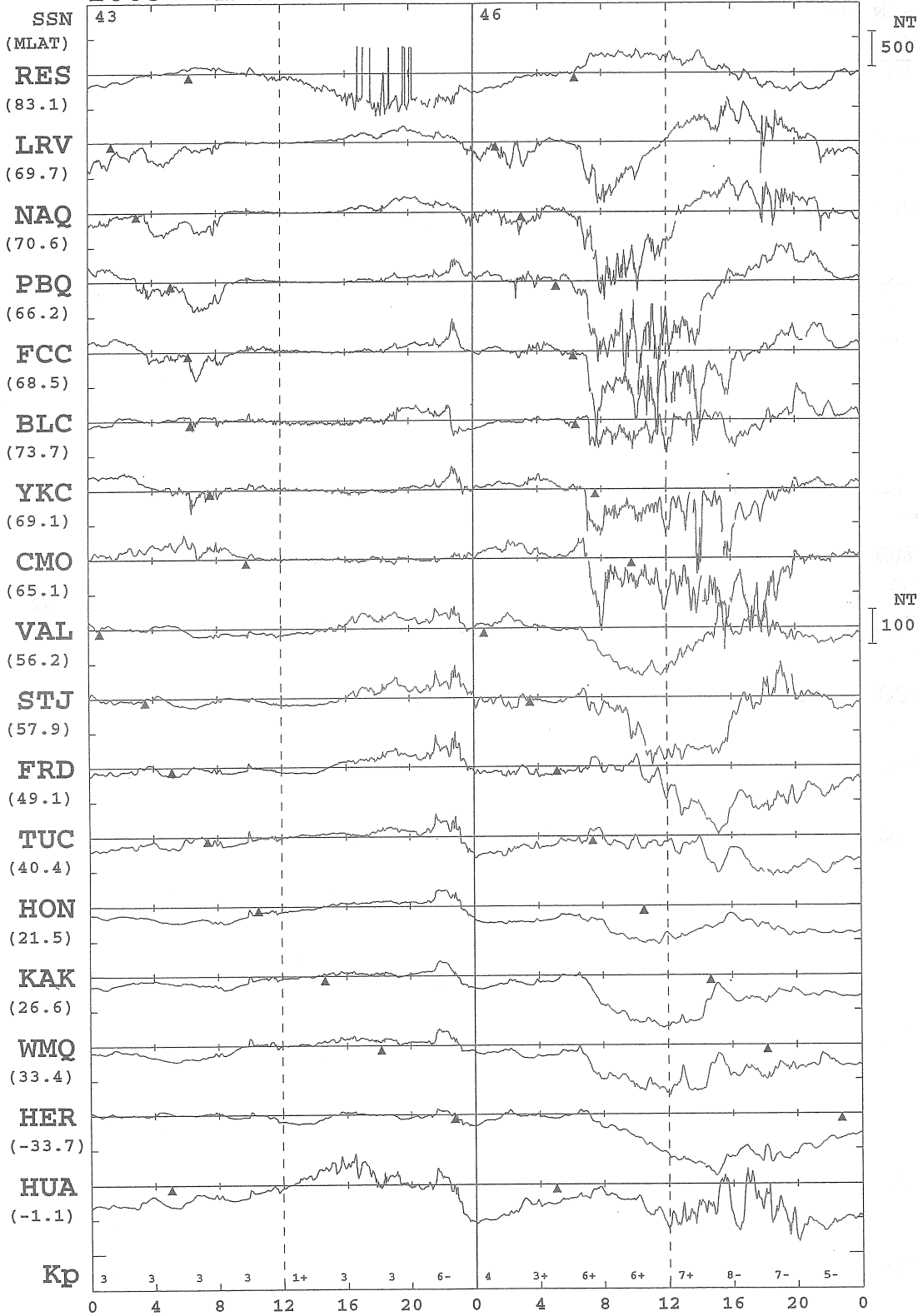
2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 29  
(DAY 149)

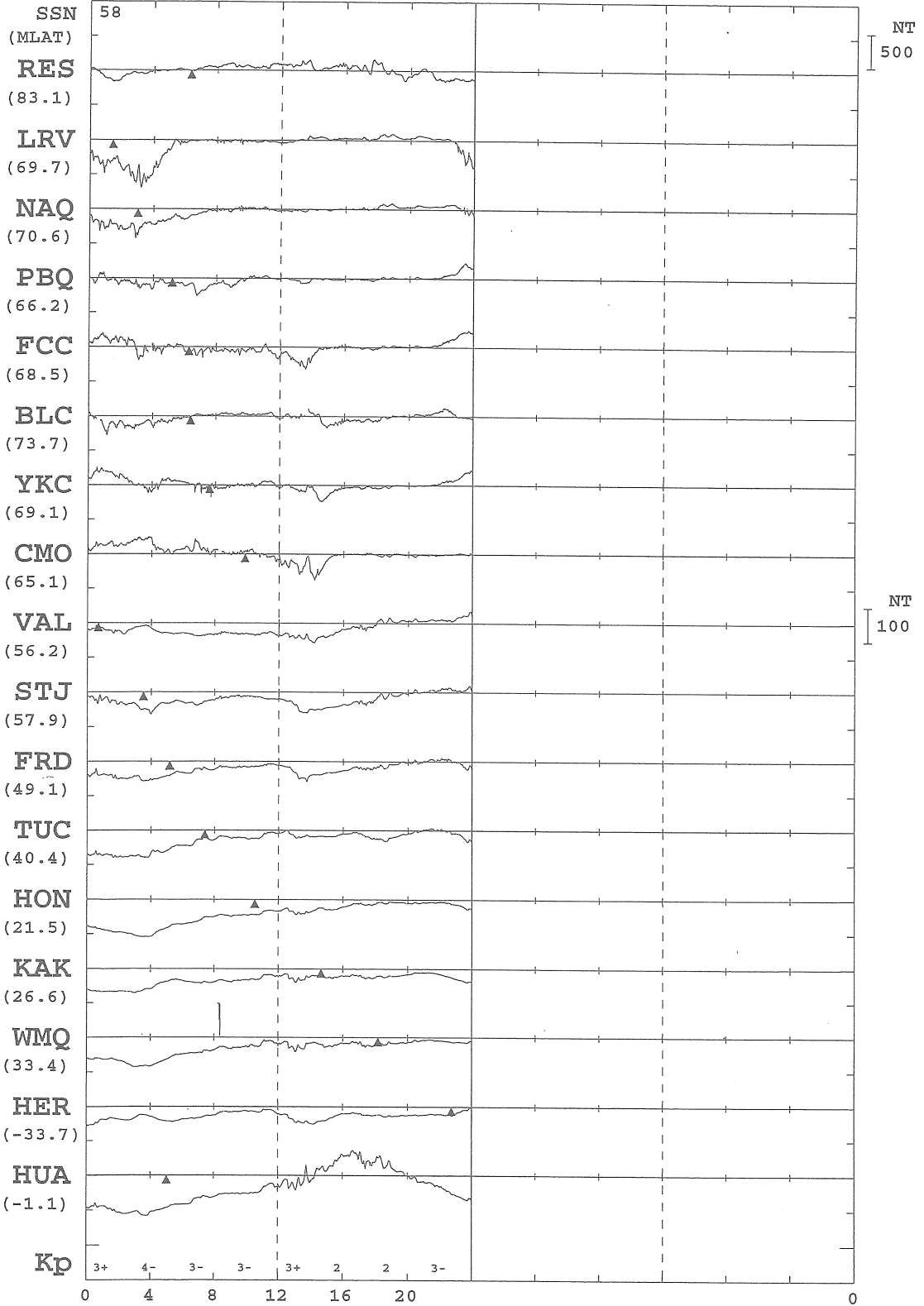
MAY 30  
(DAY 150)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

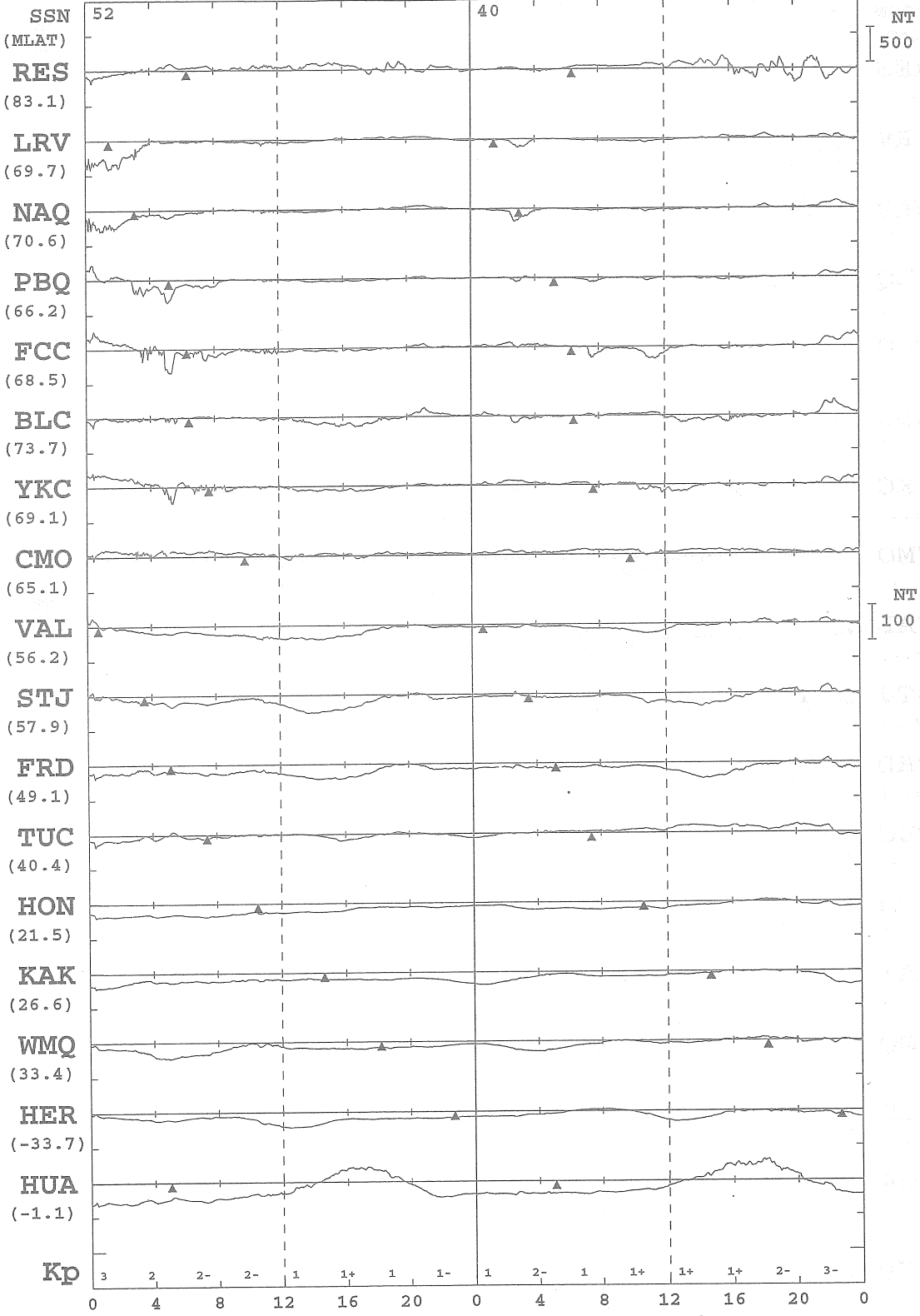


MAY 31  
(DAY 151)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JUN 1  
(DAY 152)

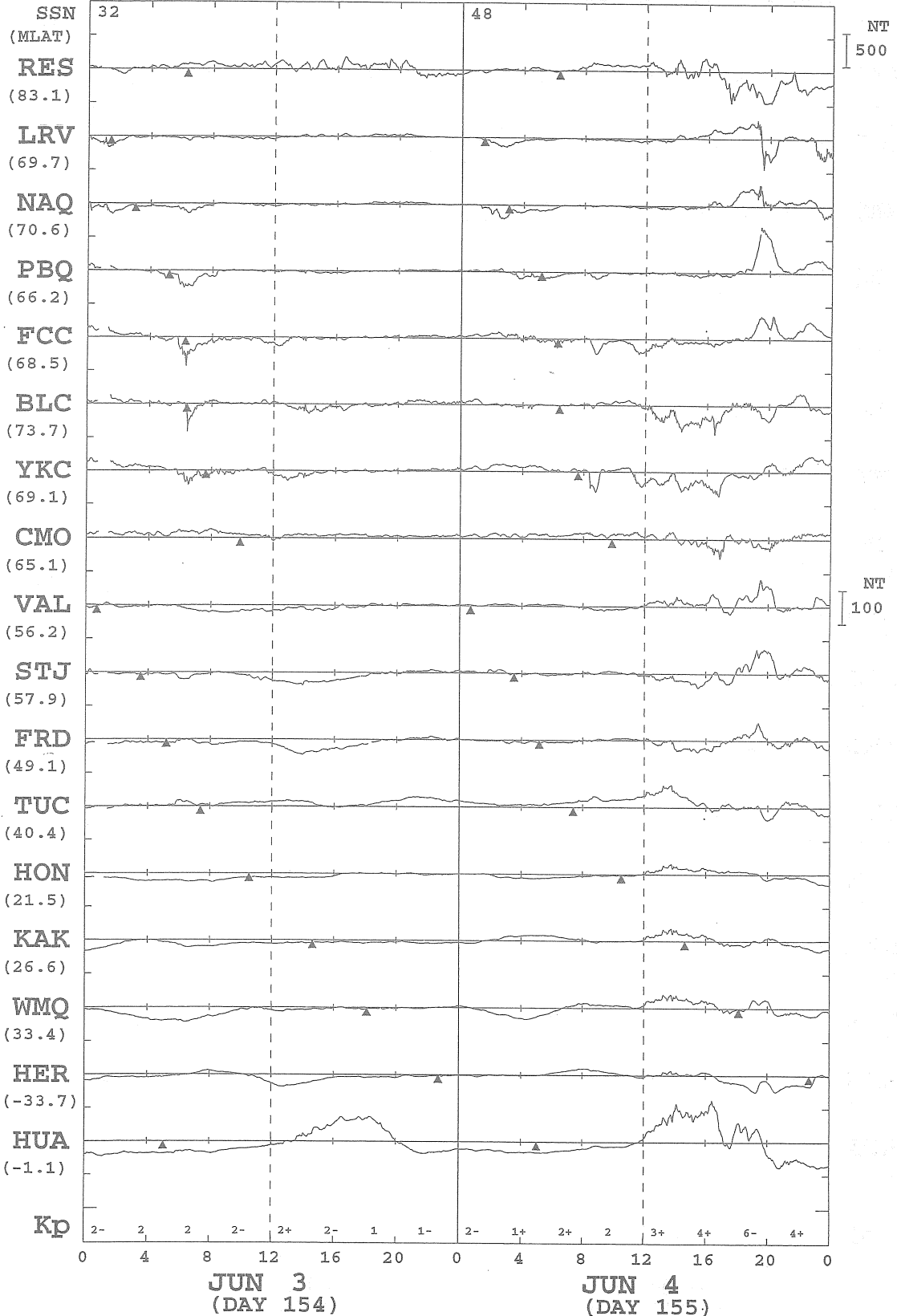
JUN 2  
(DAY 153)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

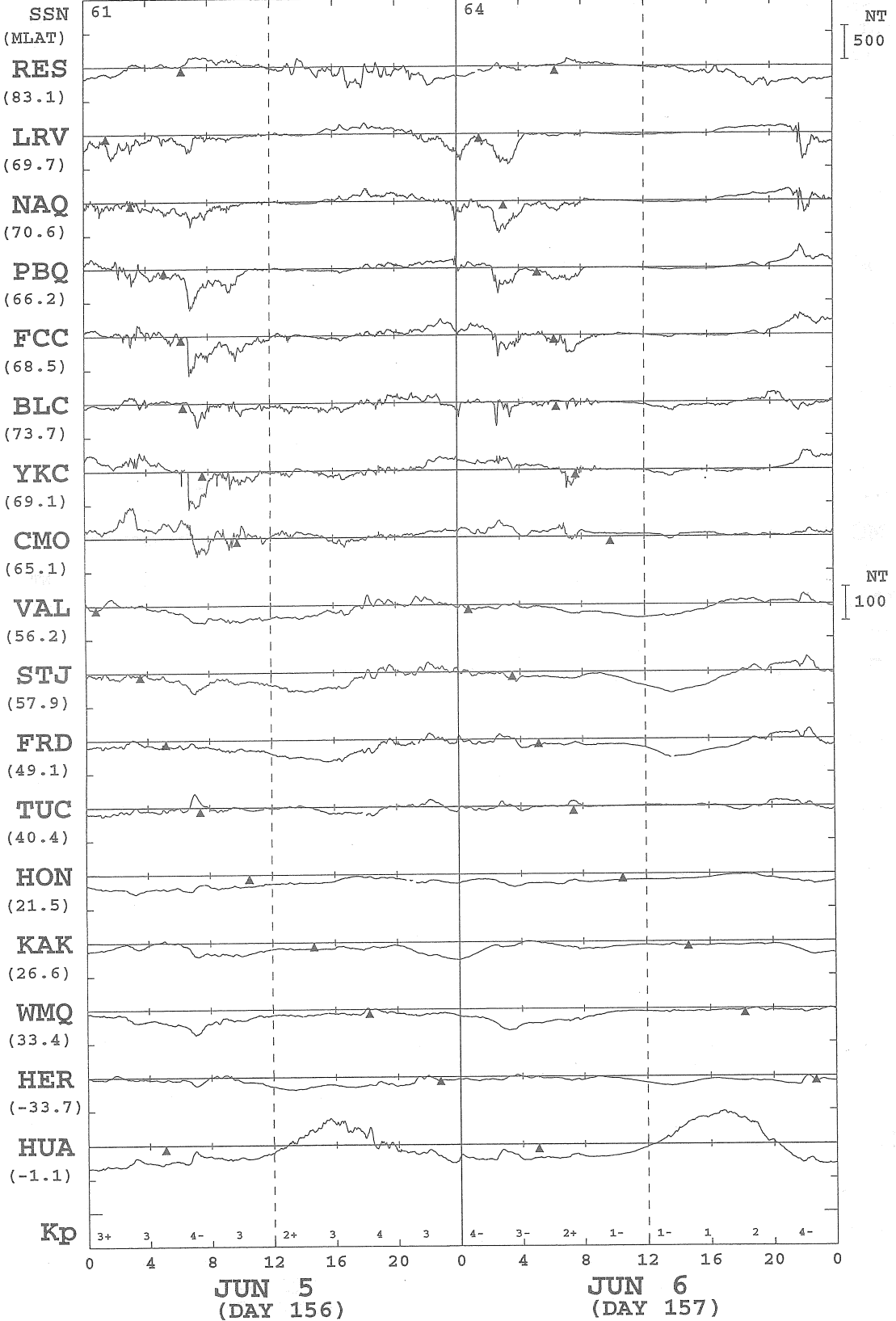


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

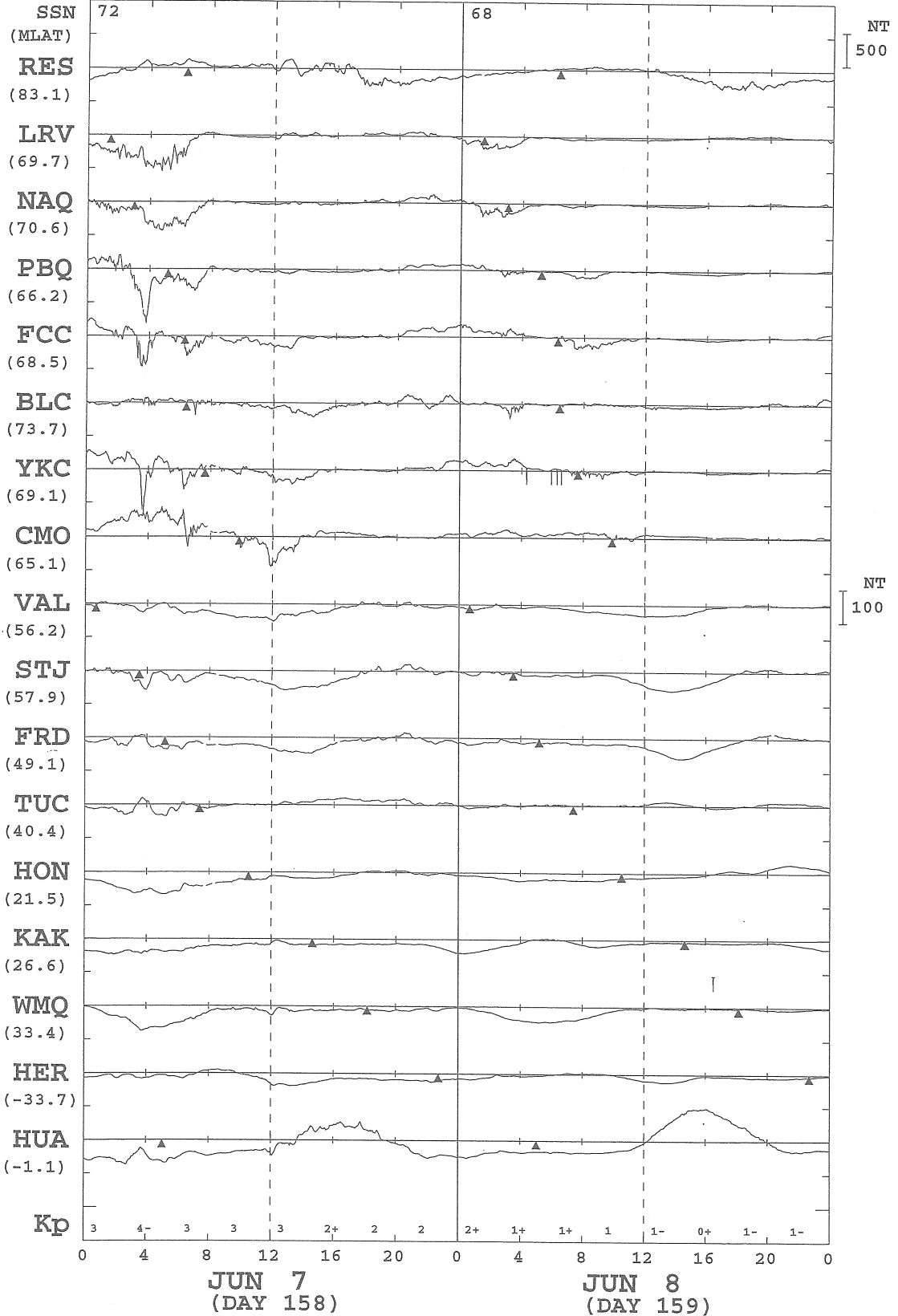


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

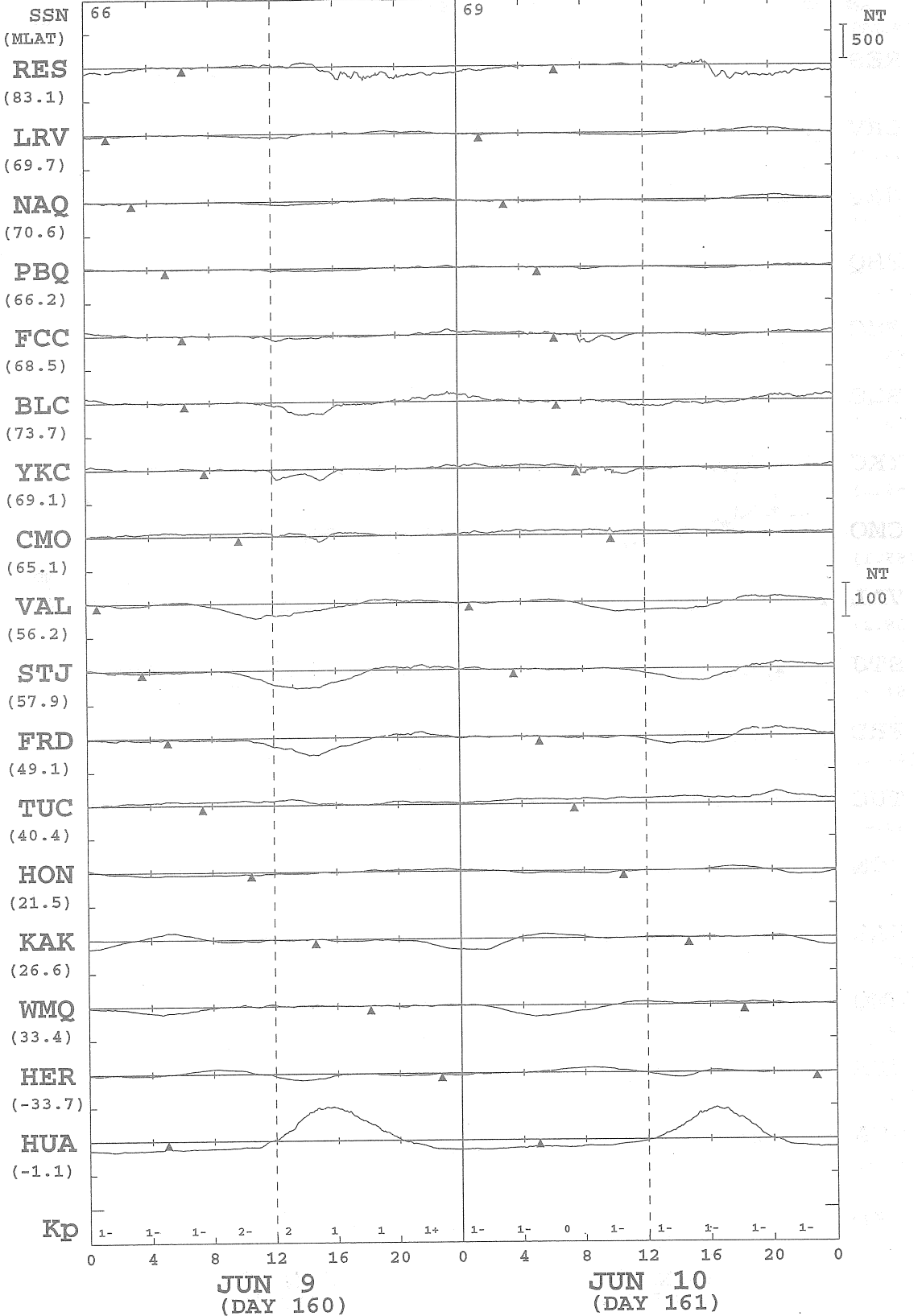
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

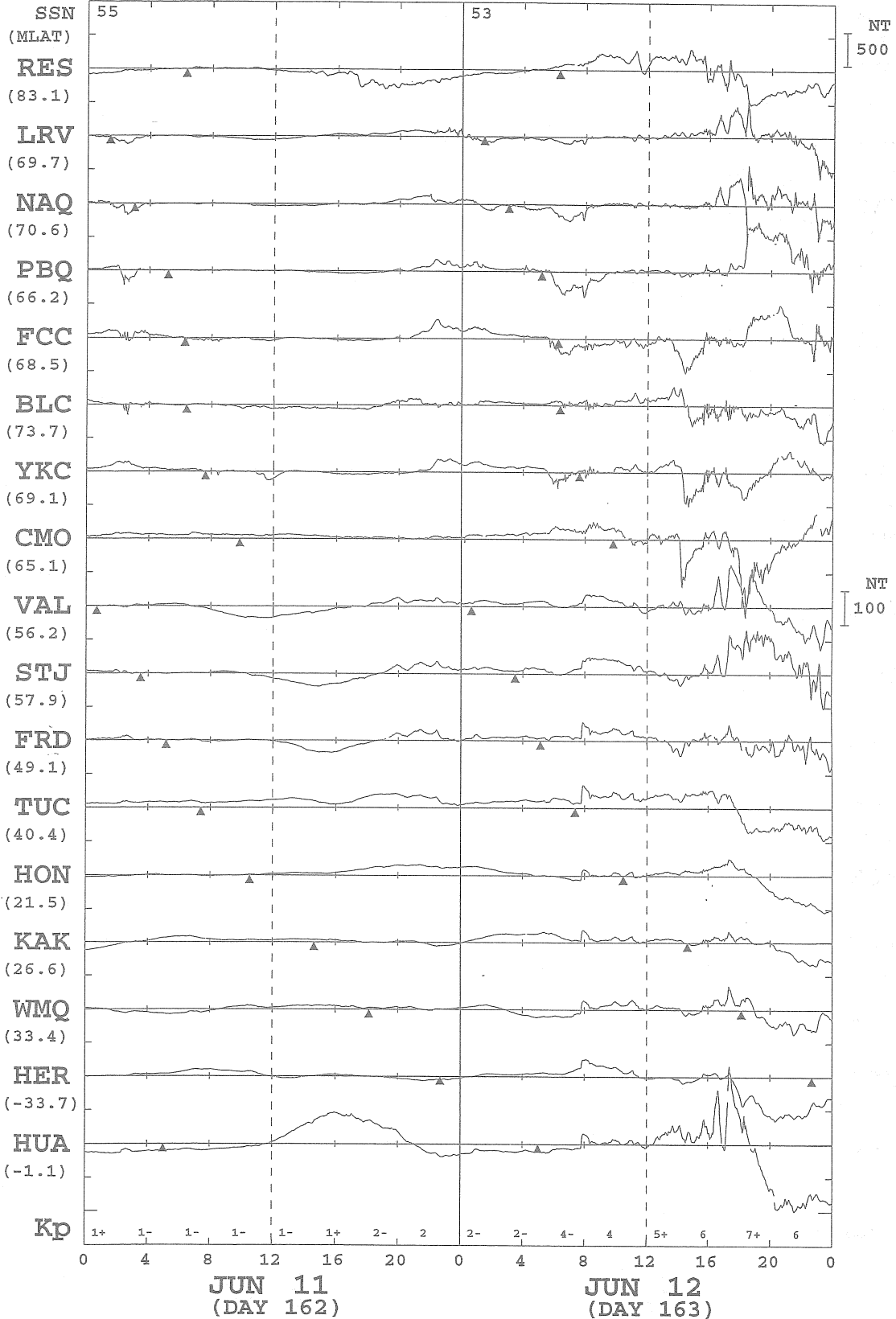


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

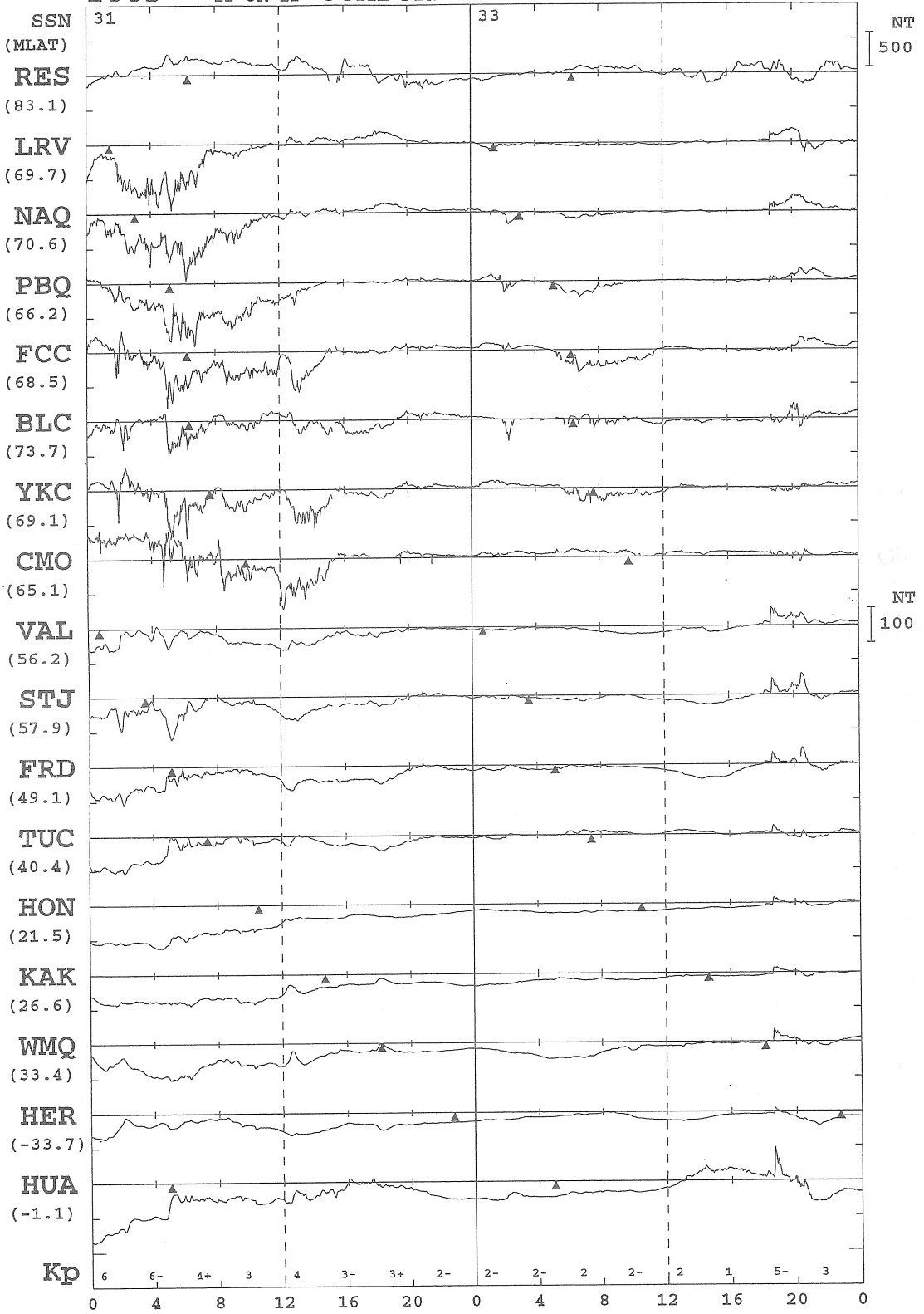


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

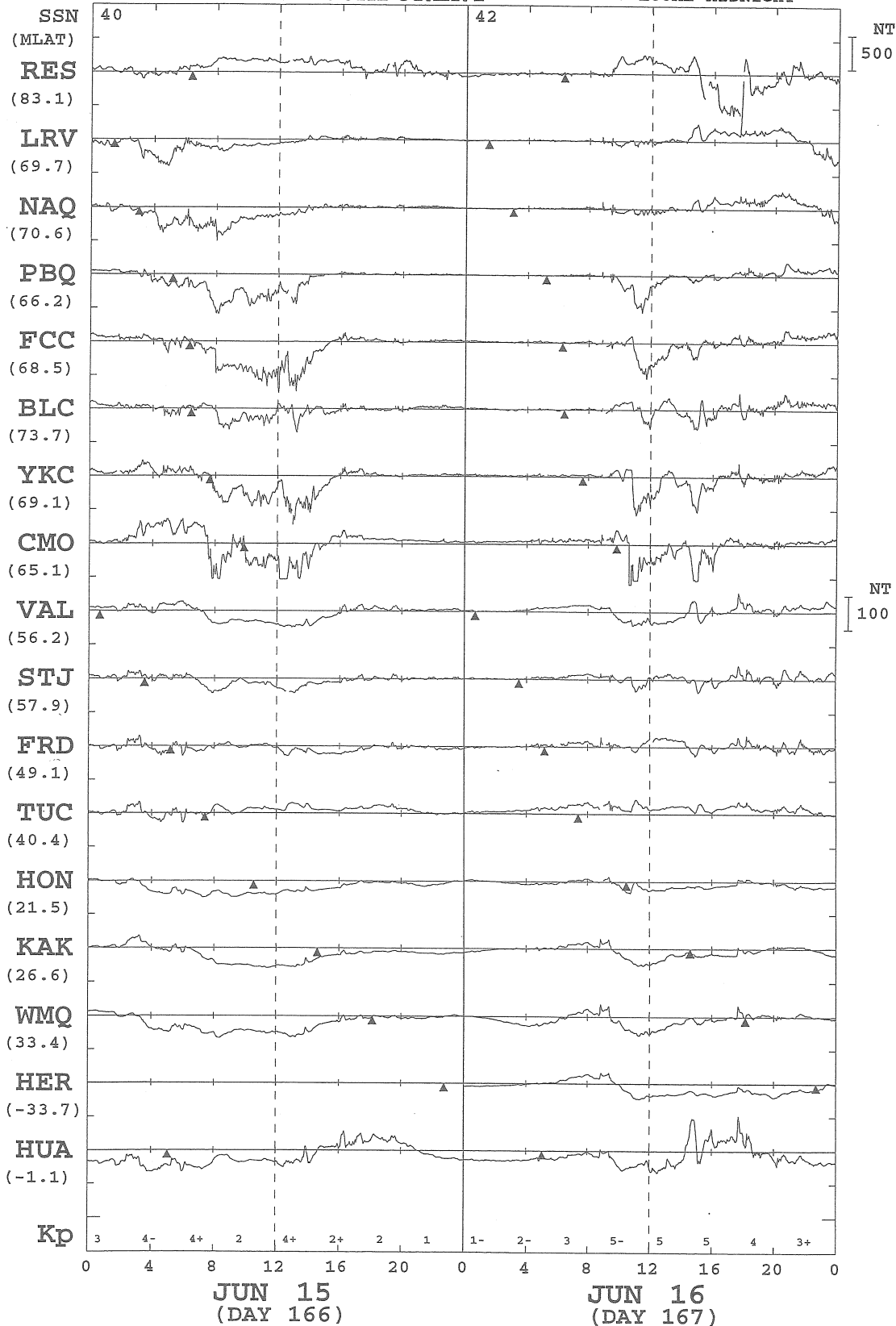


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

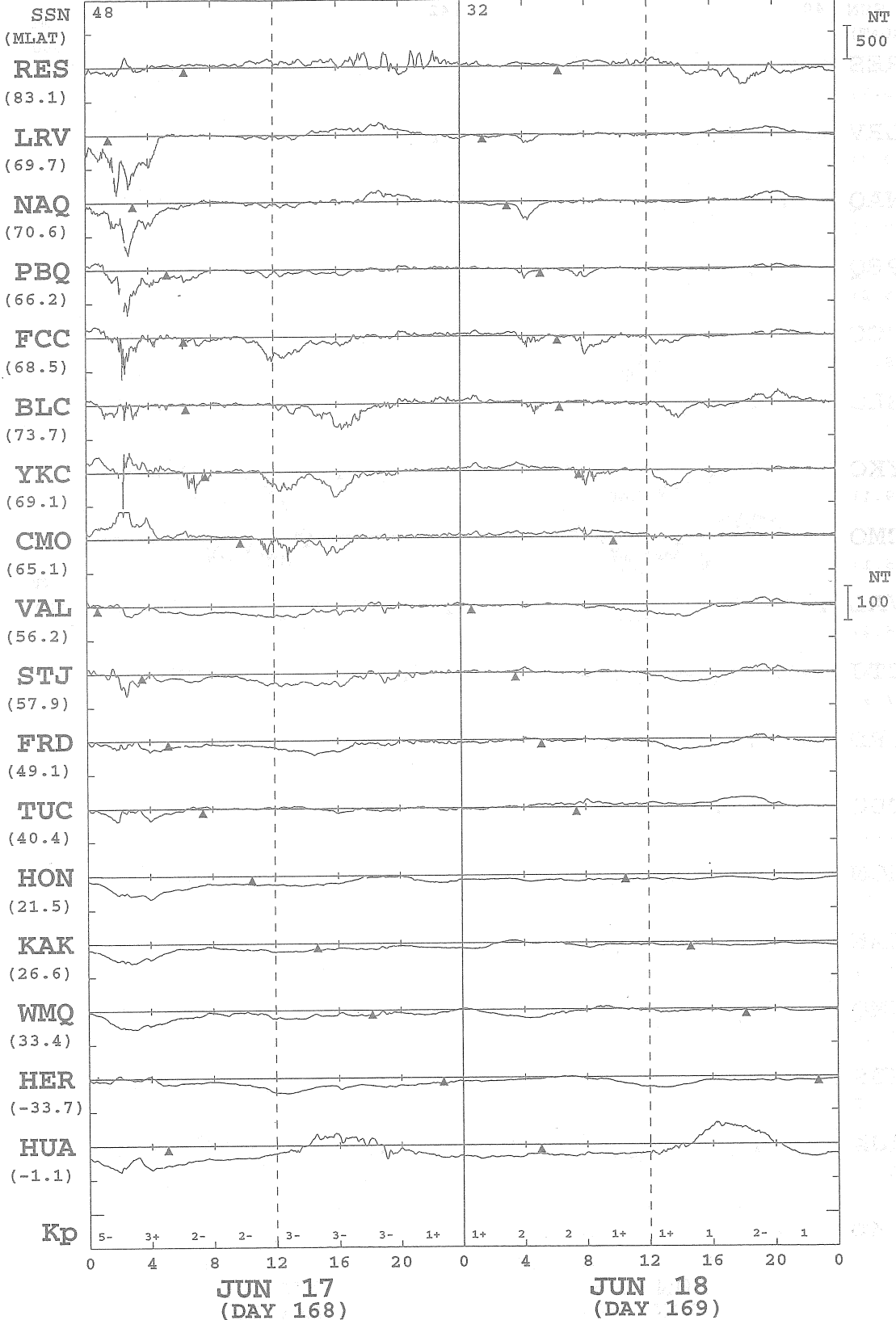
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT LOCAL MIDNIGHT

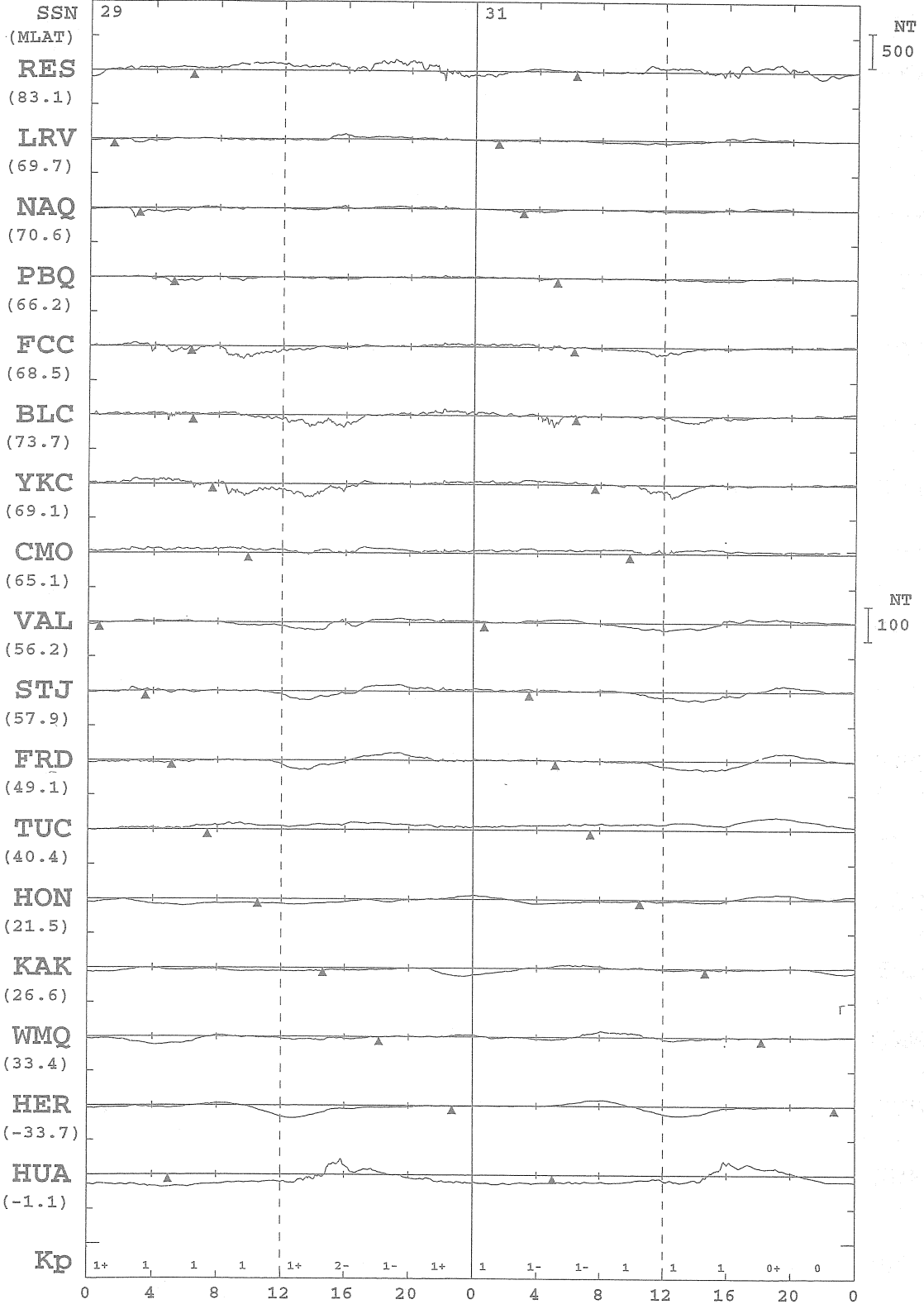


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.



2005 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

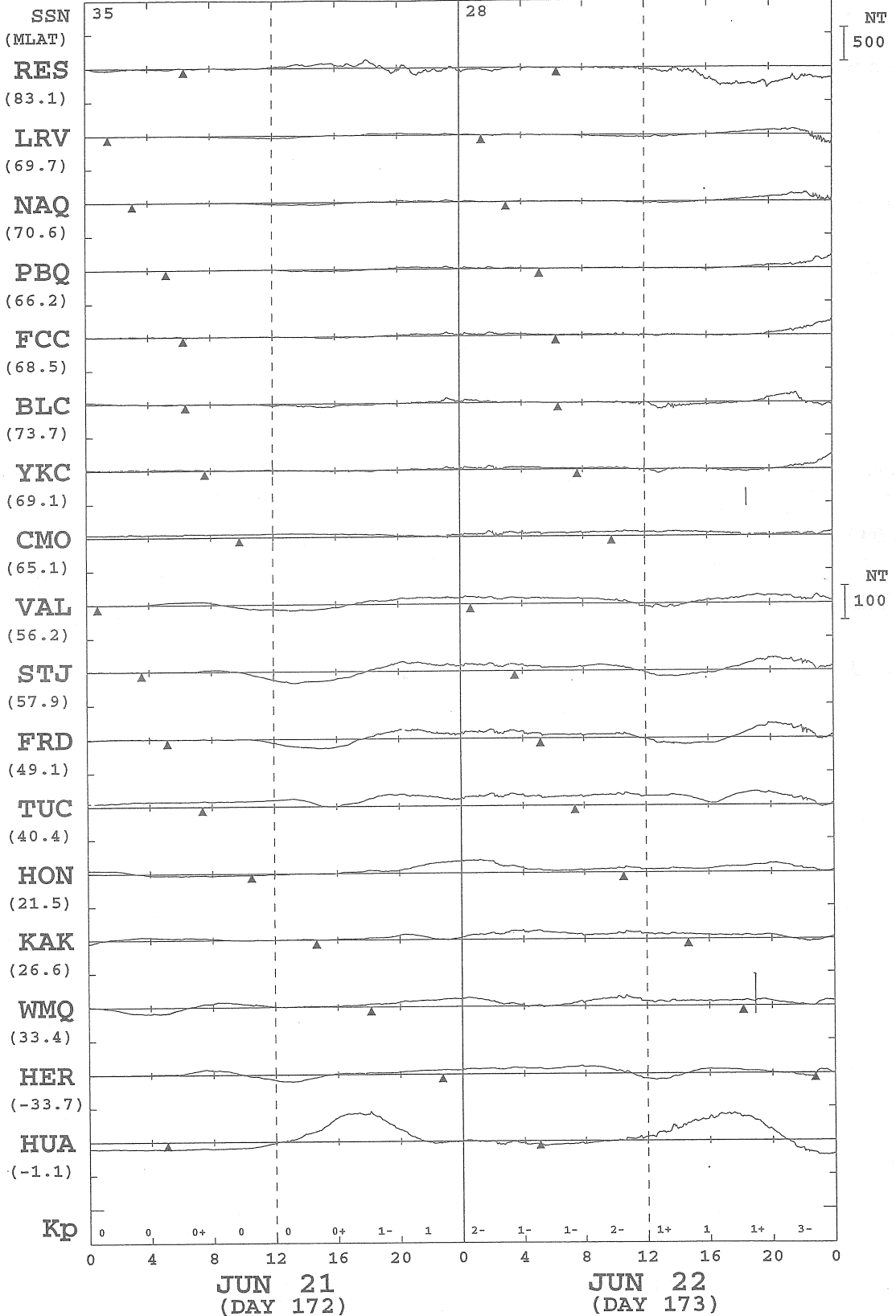


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

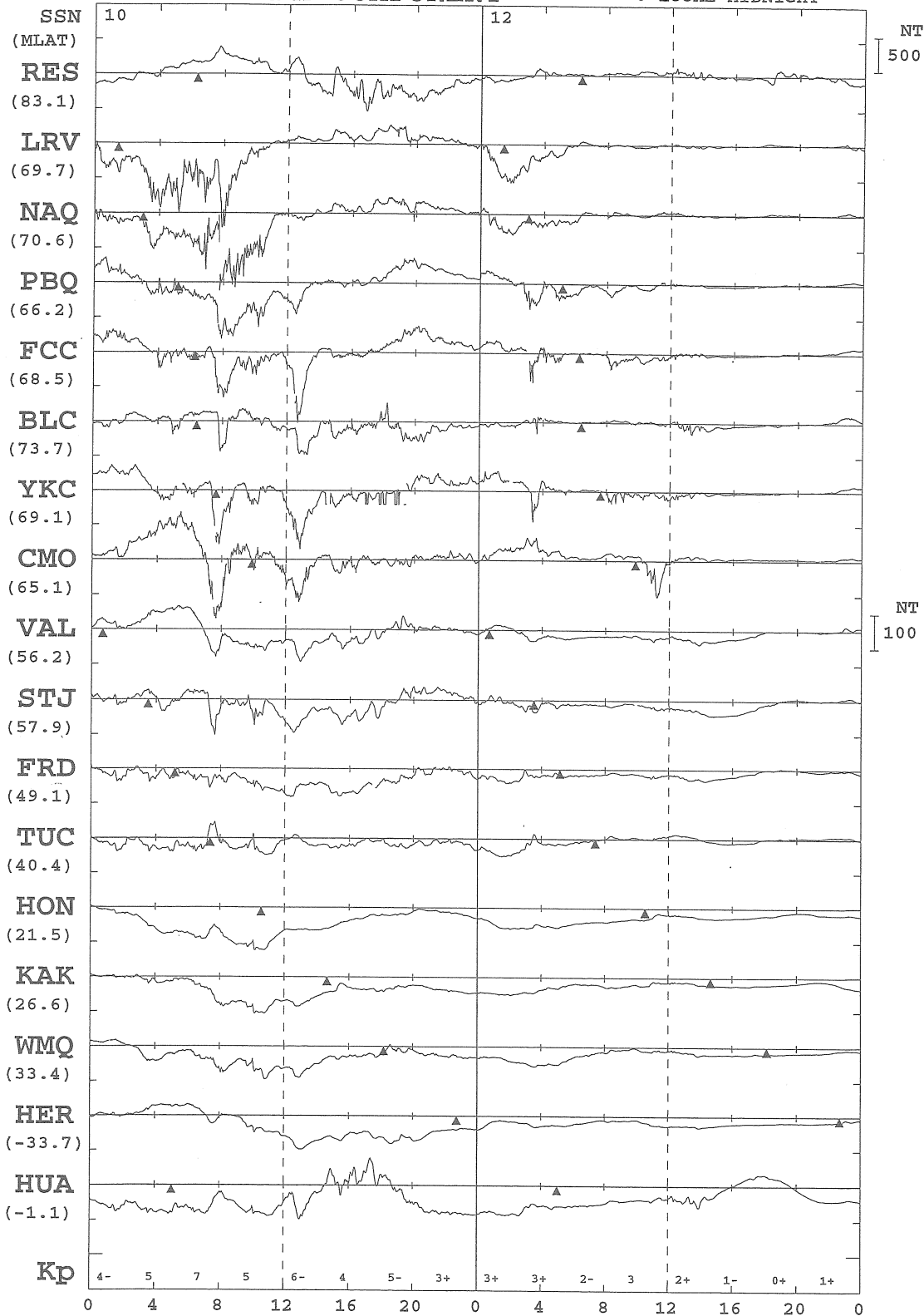


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

# 2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

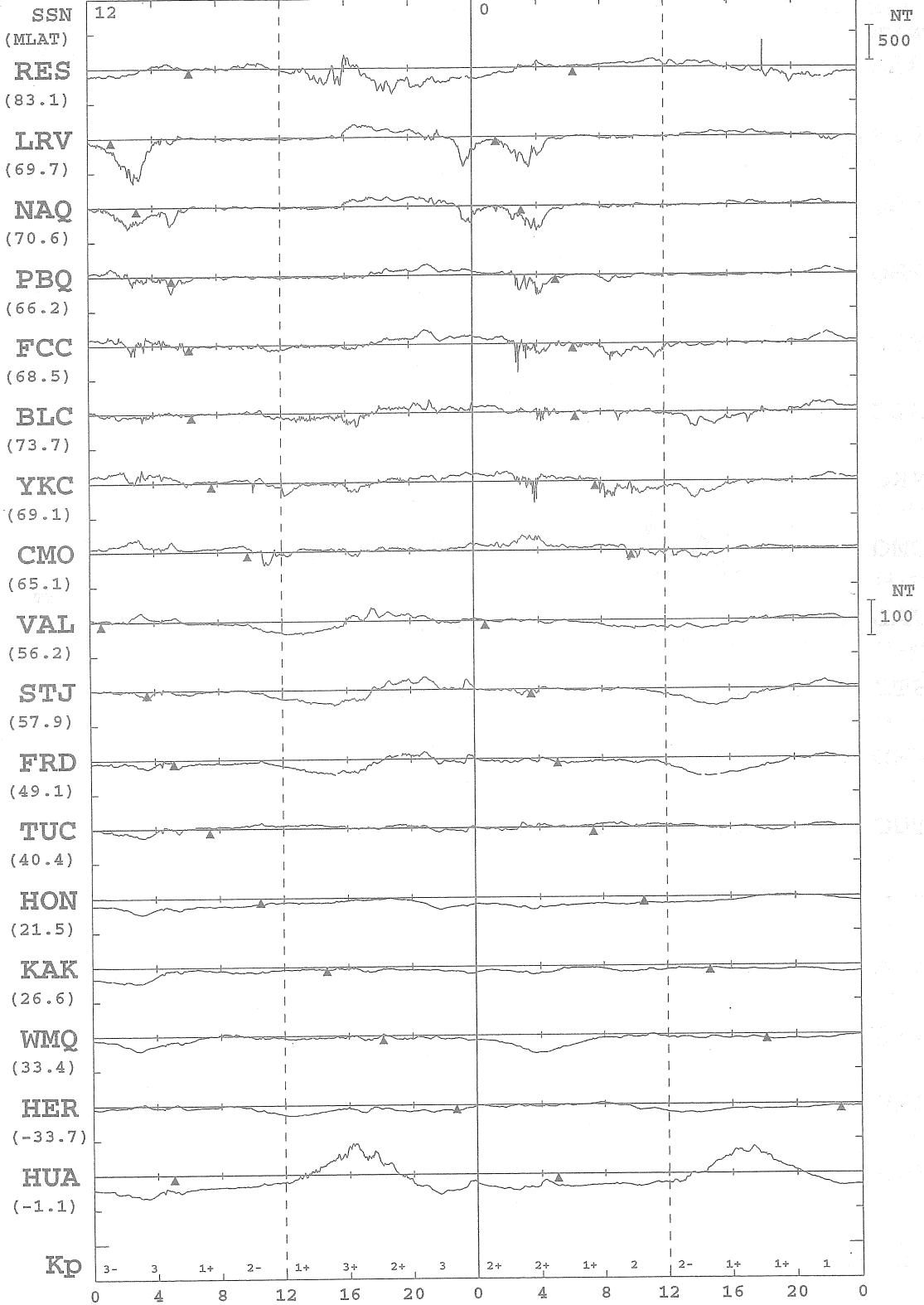


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



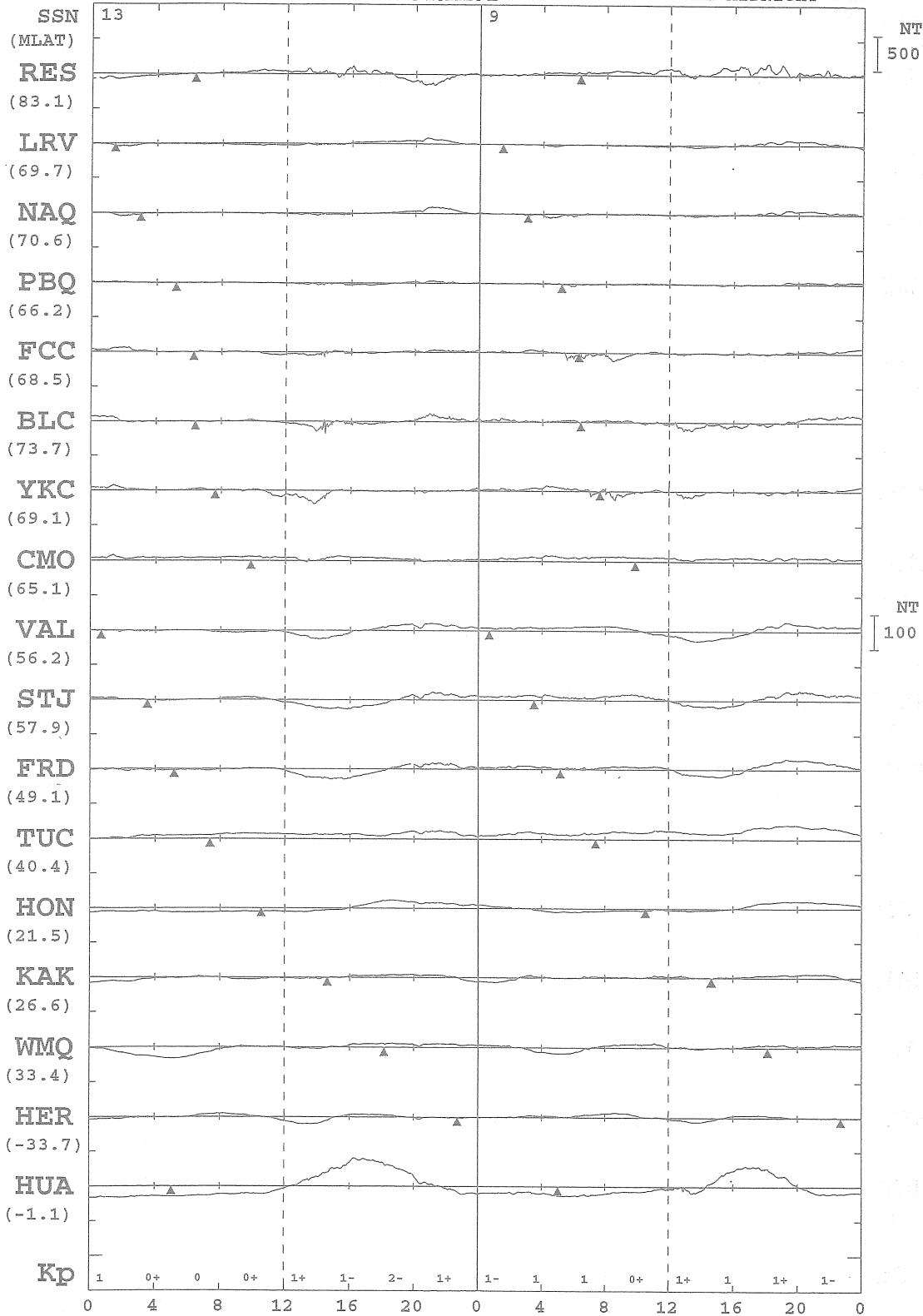
JUN 25  
(DAY 176)

JUN 26  
(DAY 177)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

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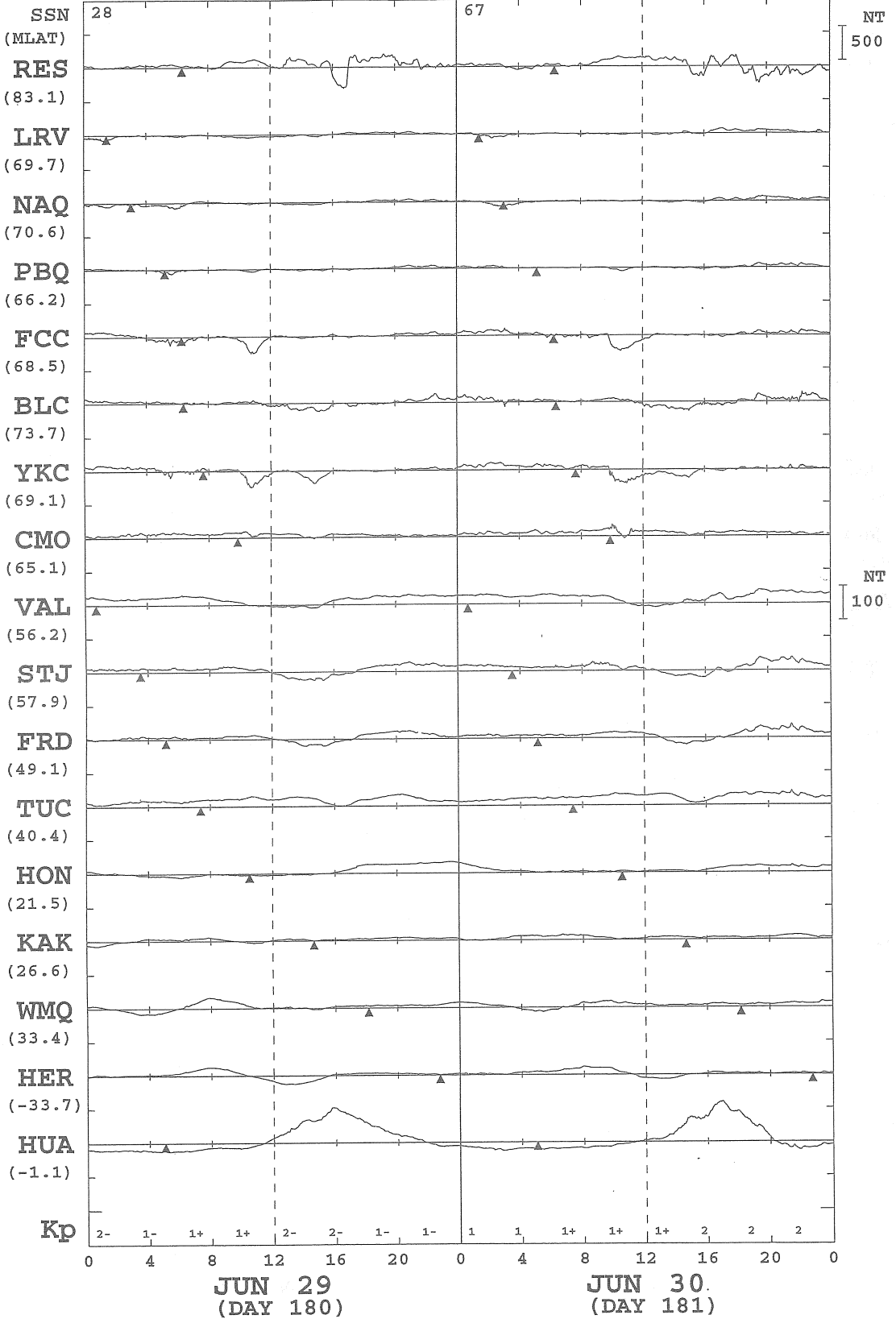
2005 H OR X-COMPONENT LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
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2005 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



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KYOTO UNIV.



