

PROVISIONAL GEOMAGNETIC  
DATA PLOTS  
No.16

(January - December, 1997)

August 1998

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 - December, 1997 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 final 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-Forêt Magnetic Observatory.
- (9) Danish Meteorological Institute.
- (10) Institute de Physique du Globe de Strasbourg

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

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.Z (for example, 970301-02.ps.Z). Each file contains the plot of the each page of this booklet. Files should be transferred in binary mode and uncompressed.

The users who need further information or the digital data should consult to:

WDC-C2 for Geomagnetism,  
Graduate School of Science,  
Kyoto University,  
Kyoto 606-8501, Japan.

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

Table 1. List of stations used in this booklet. The 15 stations among them are used in the plots.

STATION NAME	ABB CODE	ORG No.	GEOGRAPHIC		GEOMAGNETIC INVARIANT			PLOT SCALE
			LAT.	LONG.	LAT.	LONG.	LAT.	
*Thule	THL	9	76.6	291.17	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	"
*Narssarsuaq	NAS	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	-33.7	82.7	43.6	"

\*: Provisional data



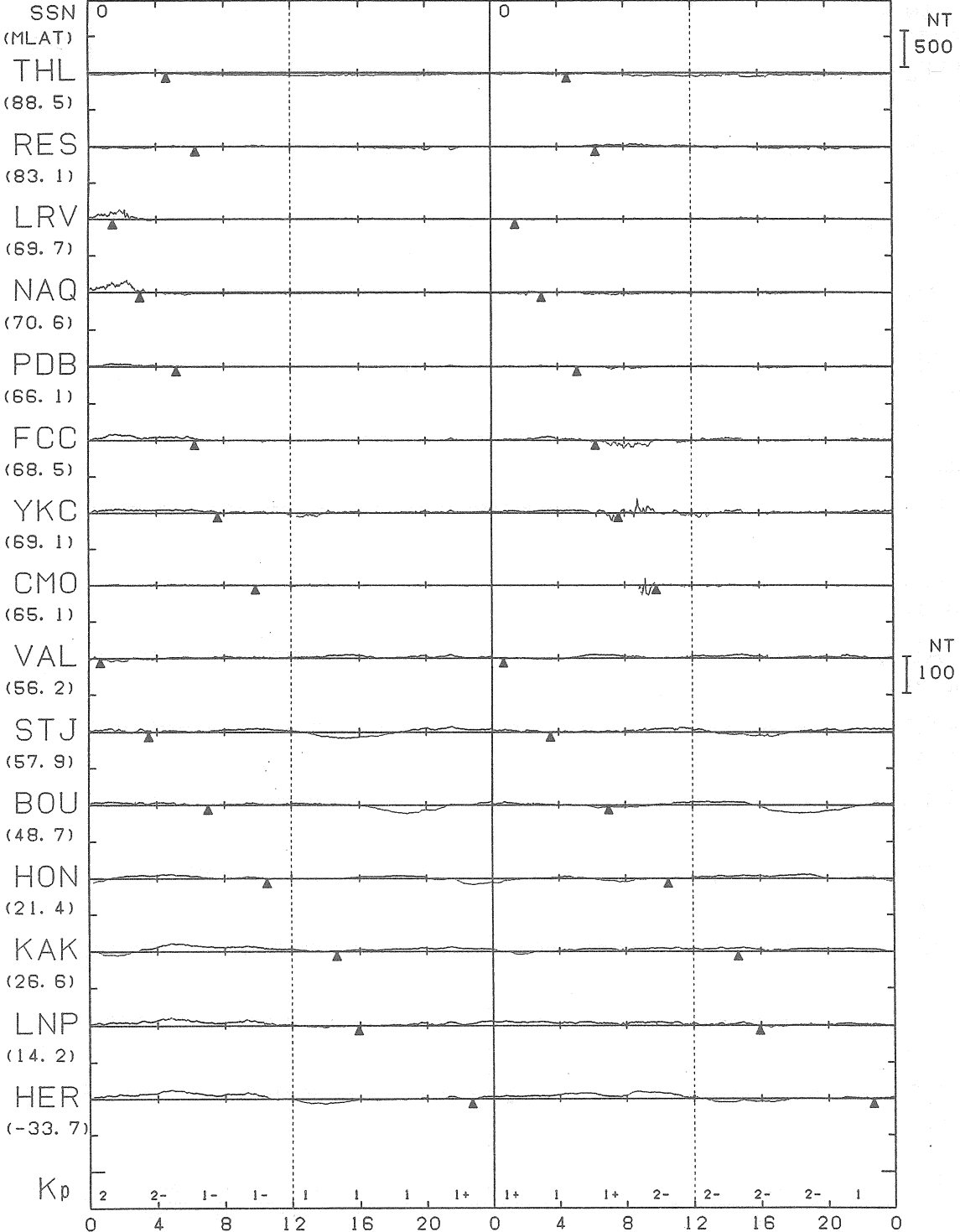




January - December, 1997



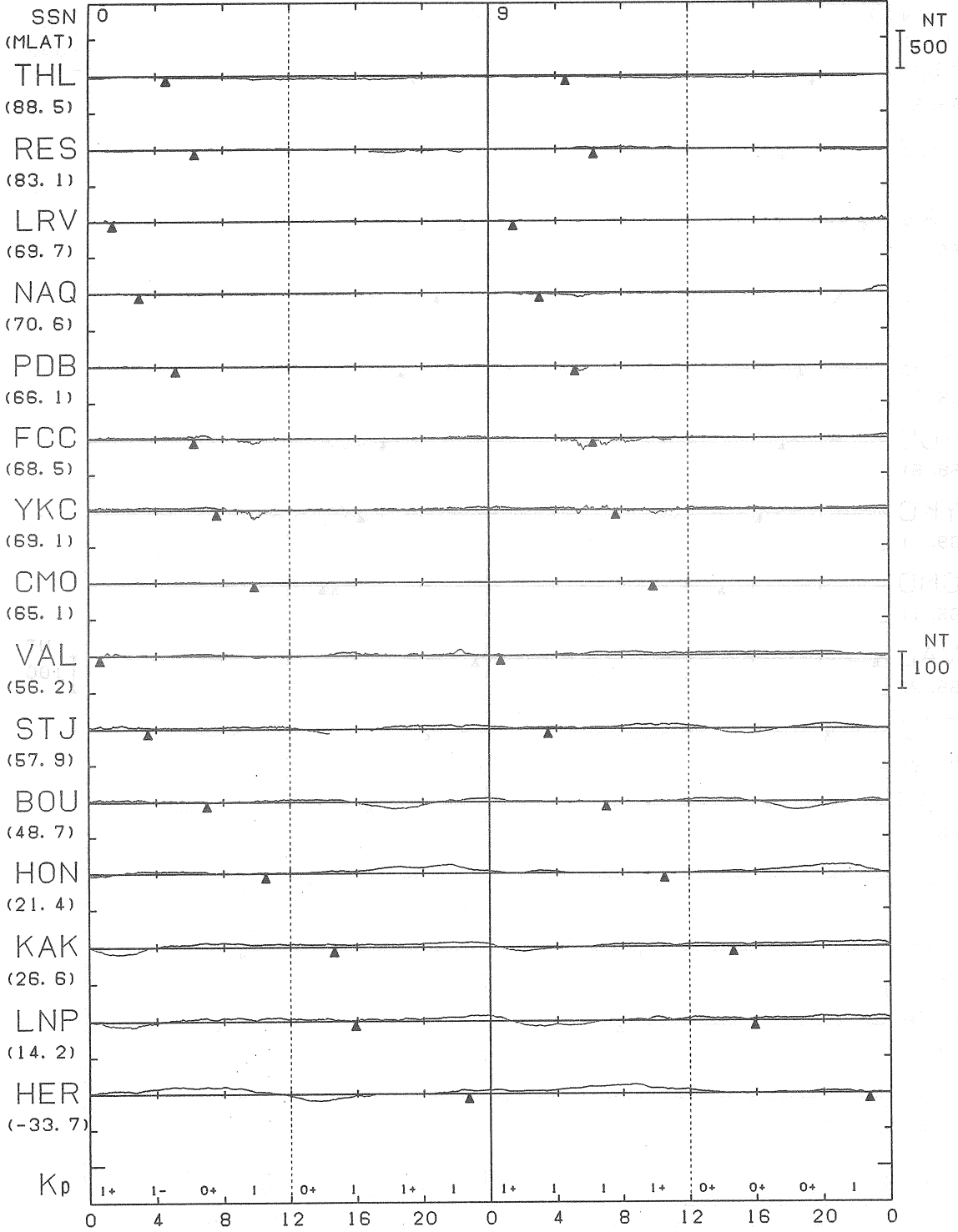
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT

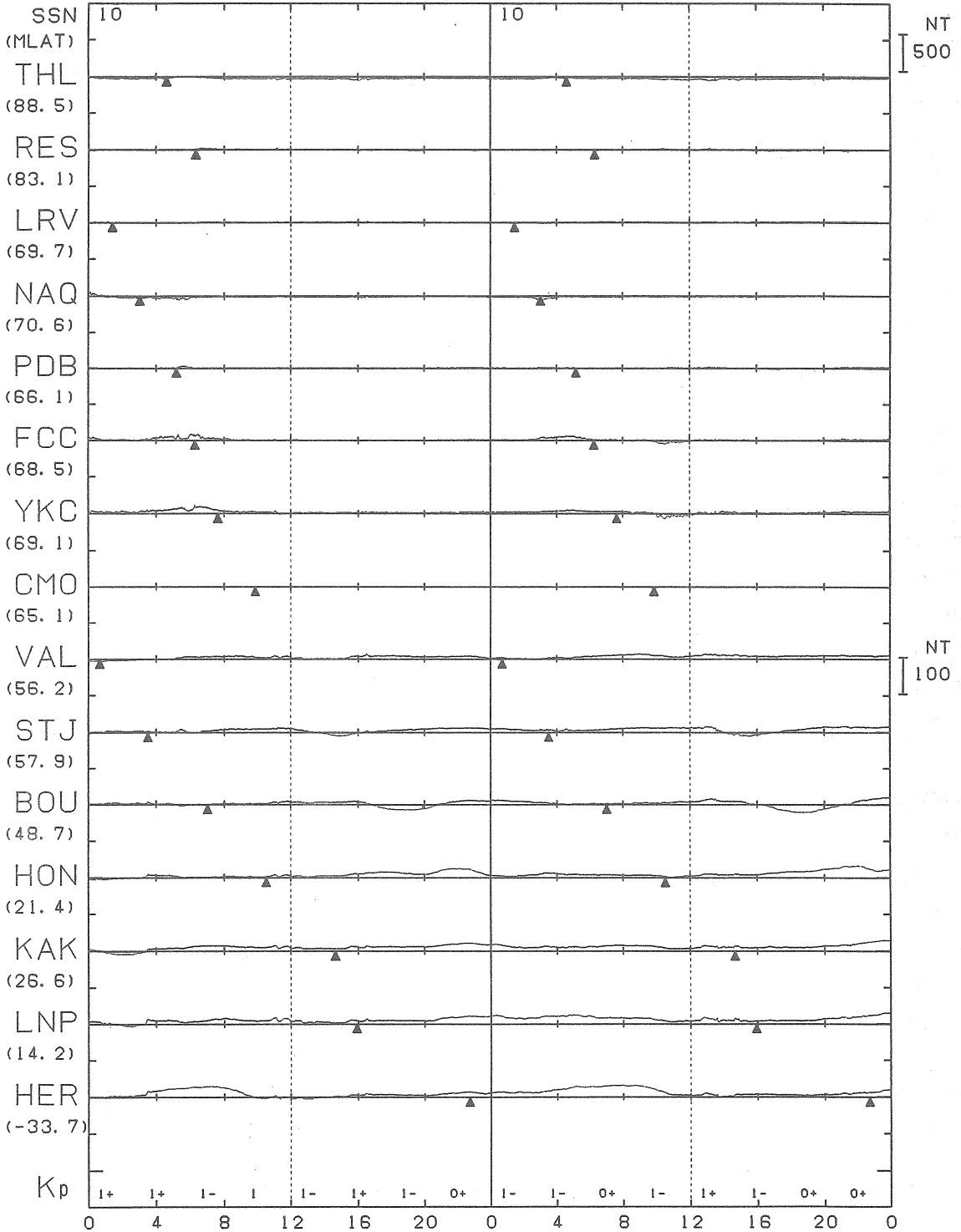


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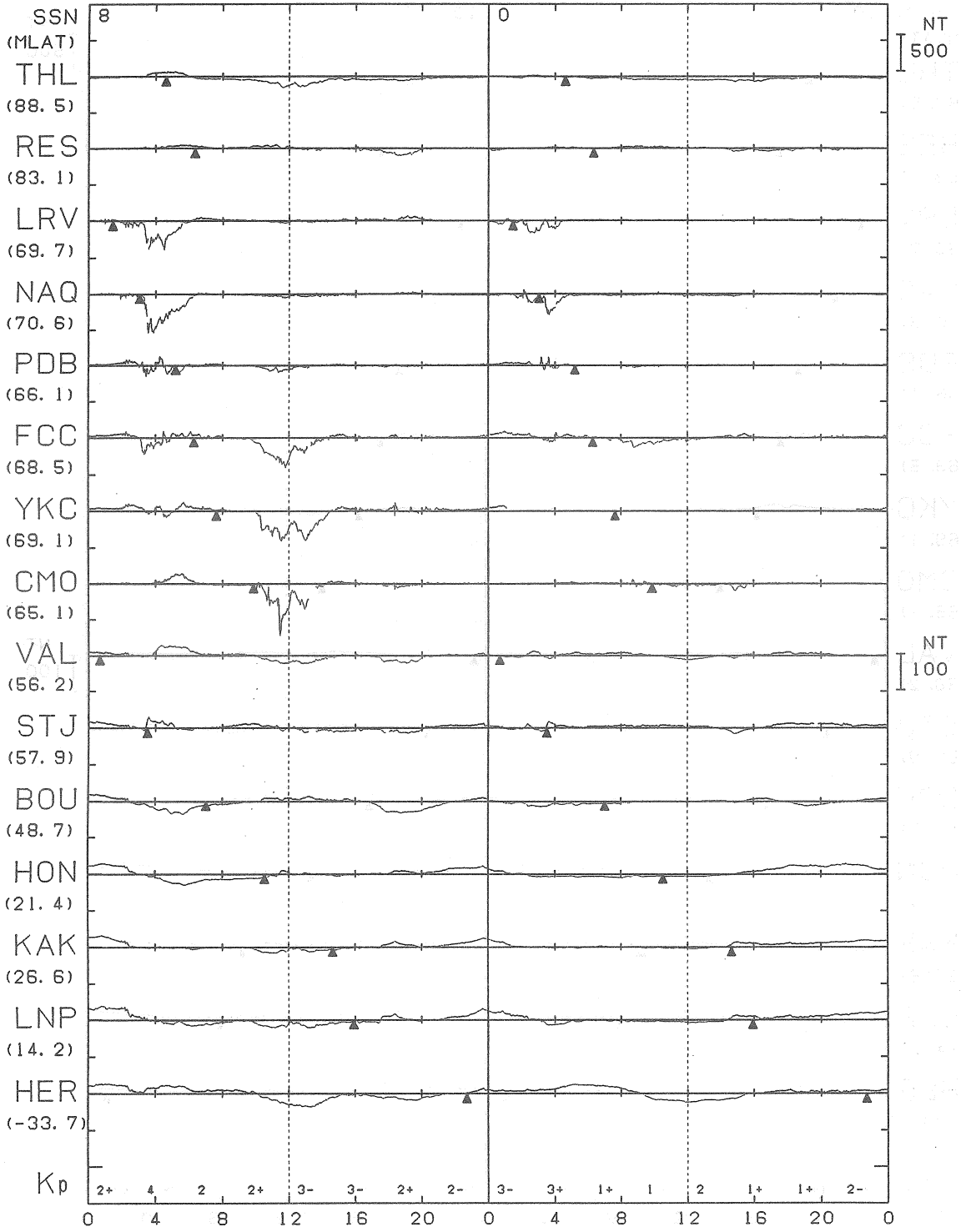
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

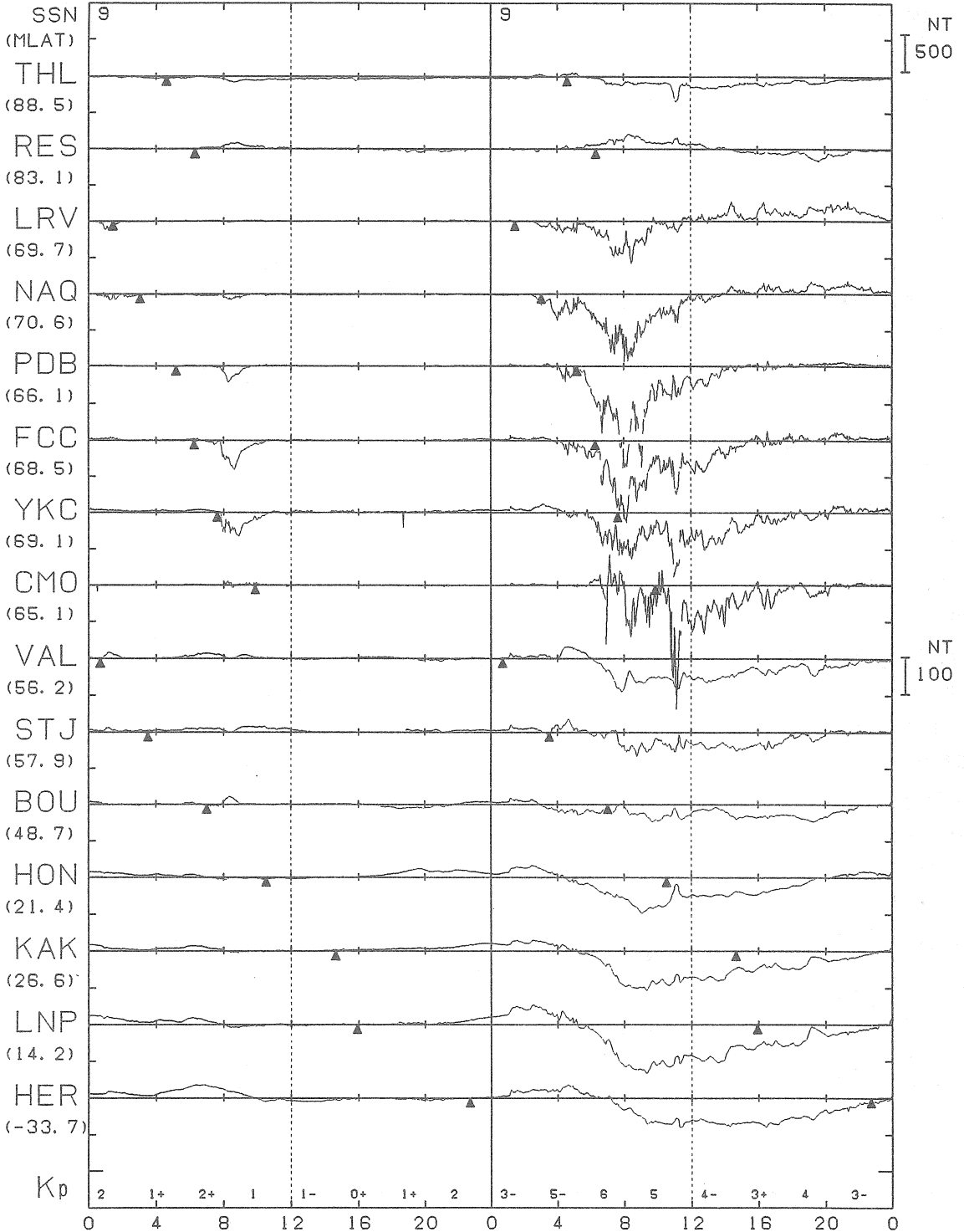


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1997 H OR X-COMPONENT

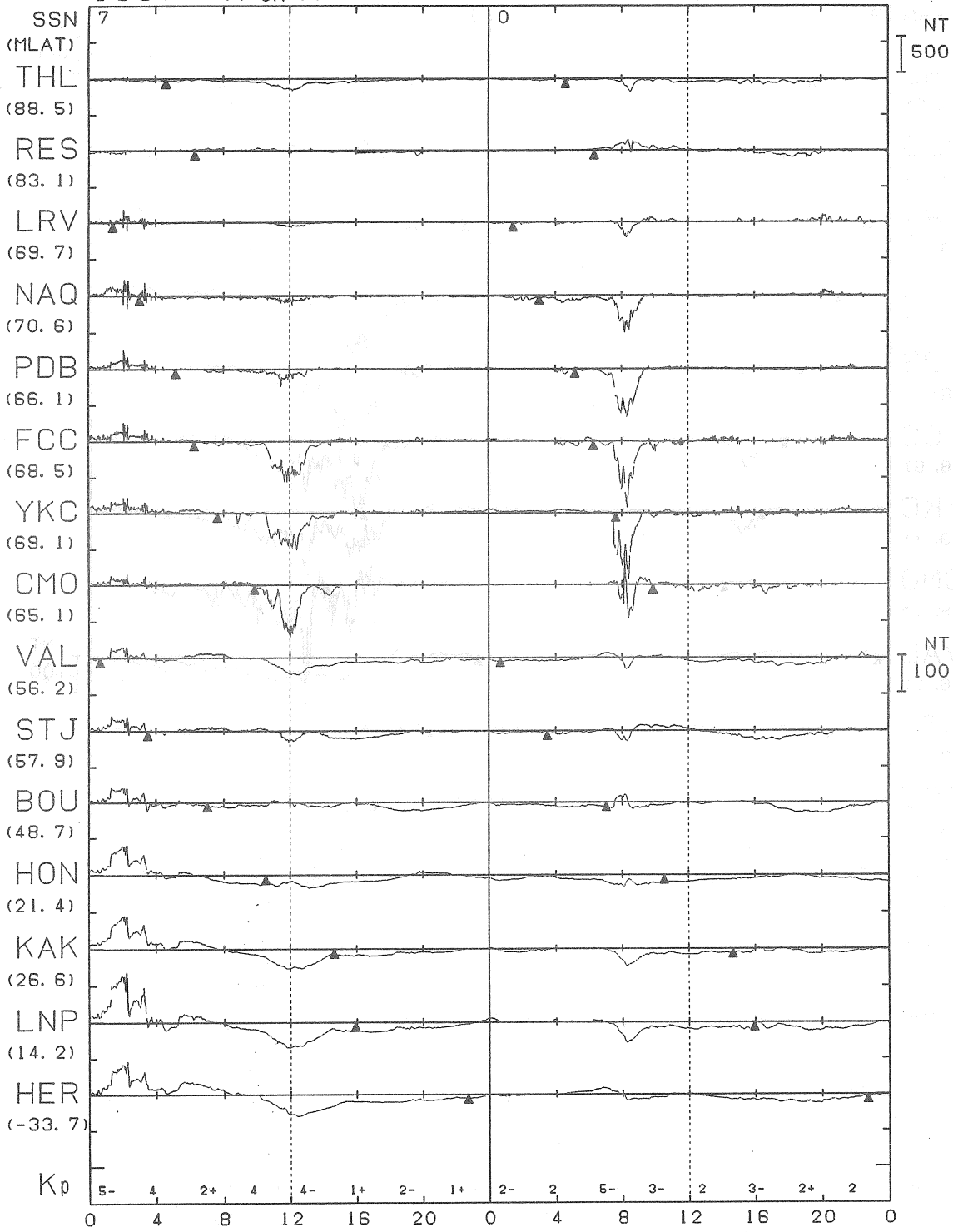
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



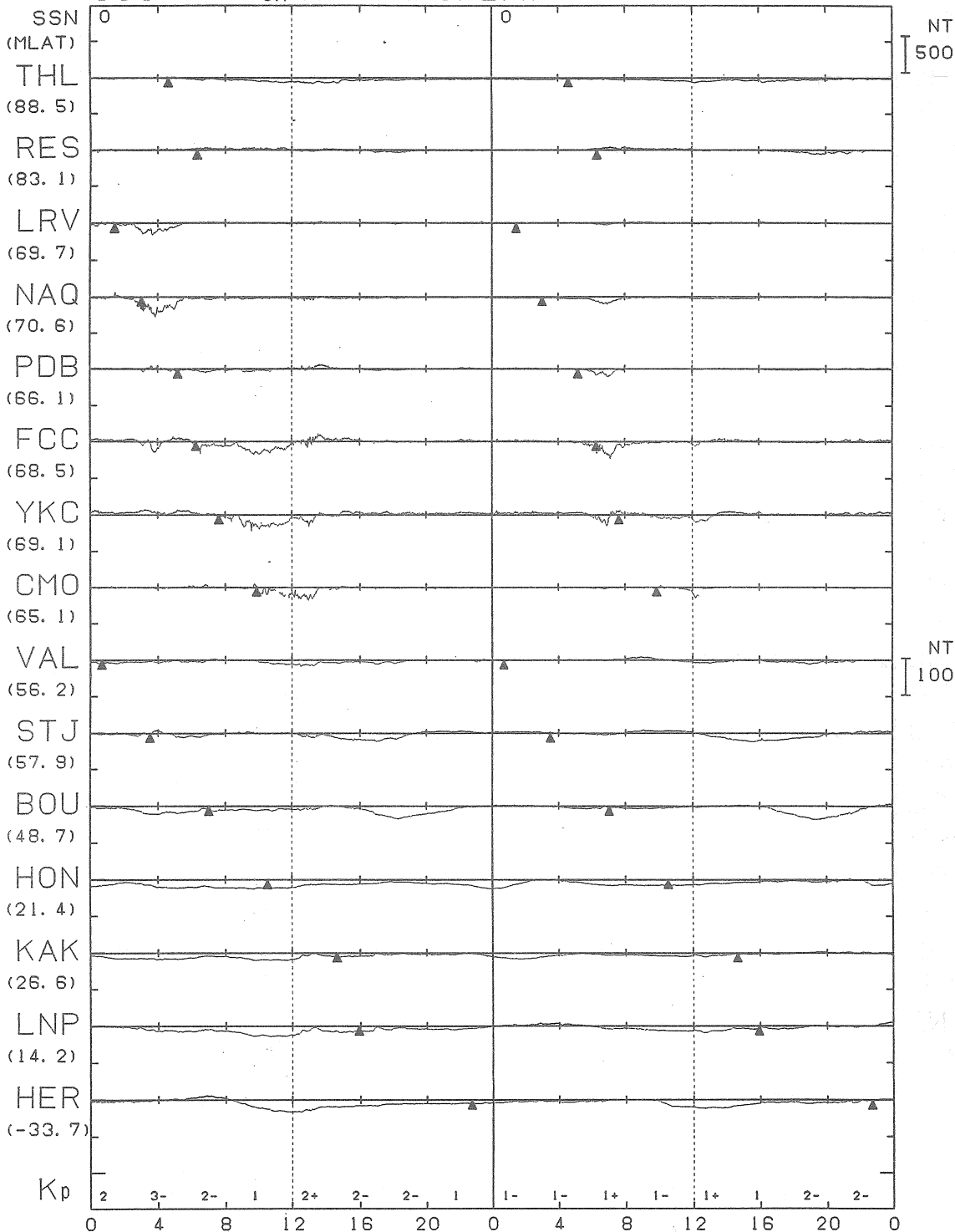
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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



JAN 13  
(DAY 13)

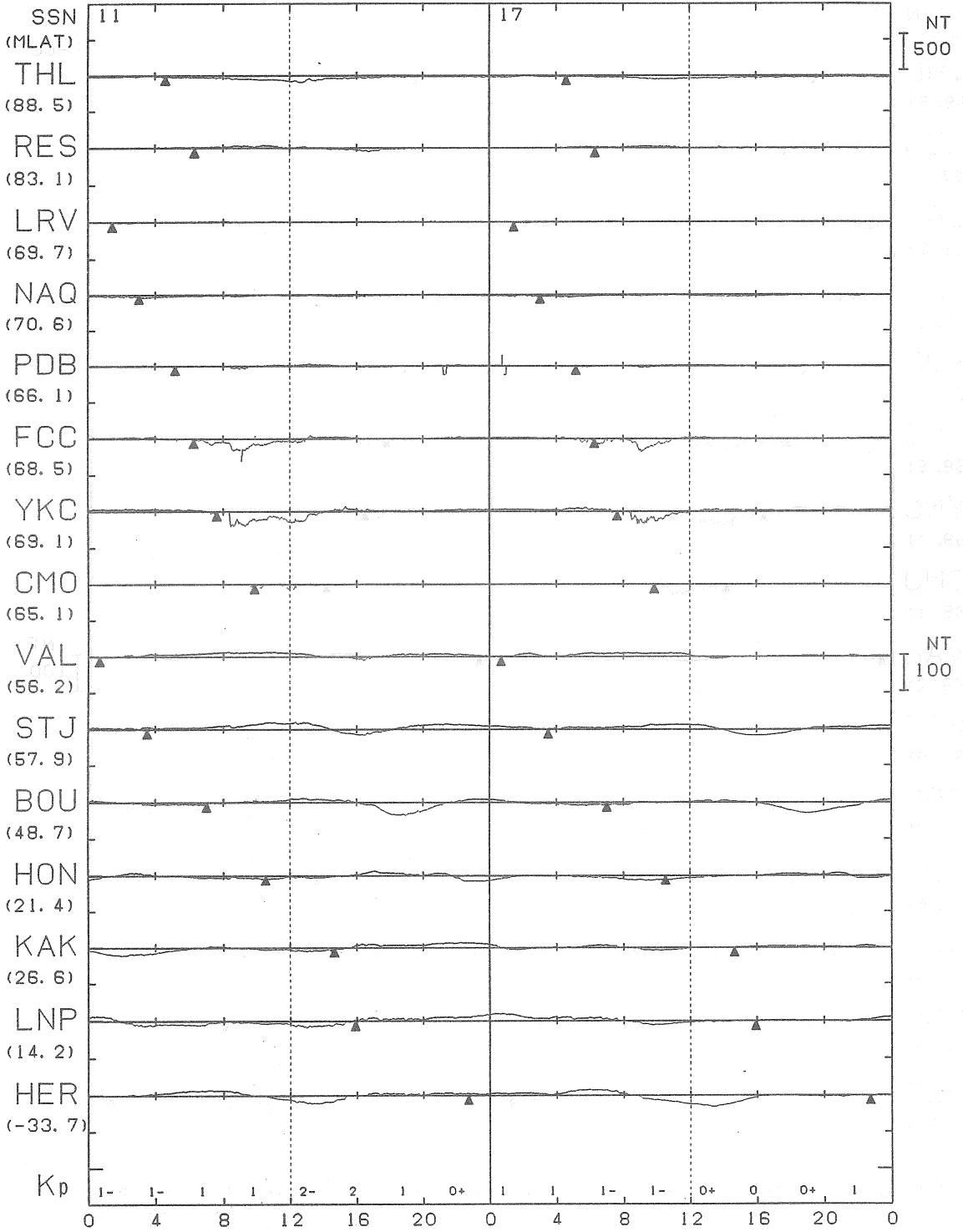
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(DAY 14)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

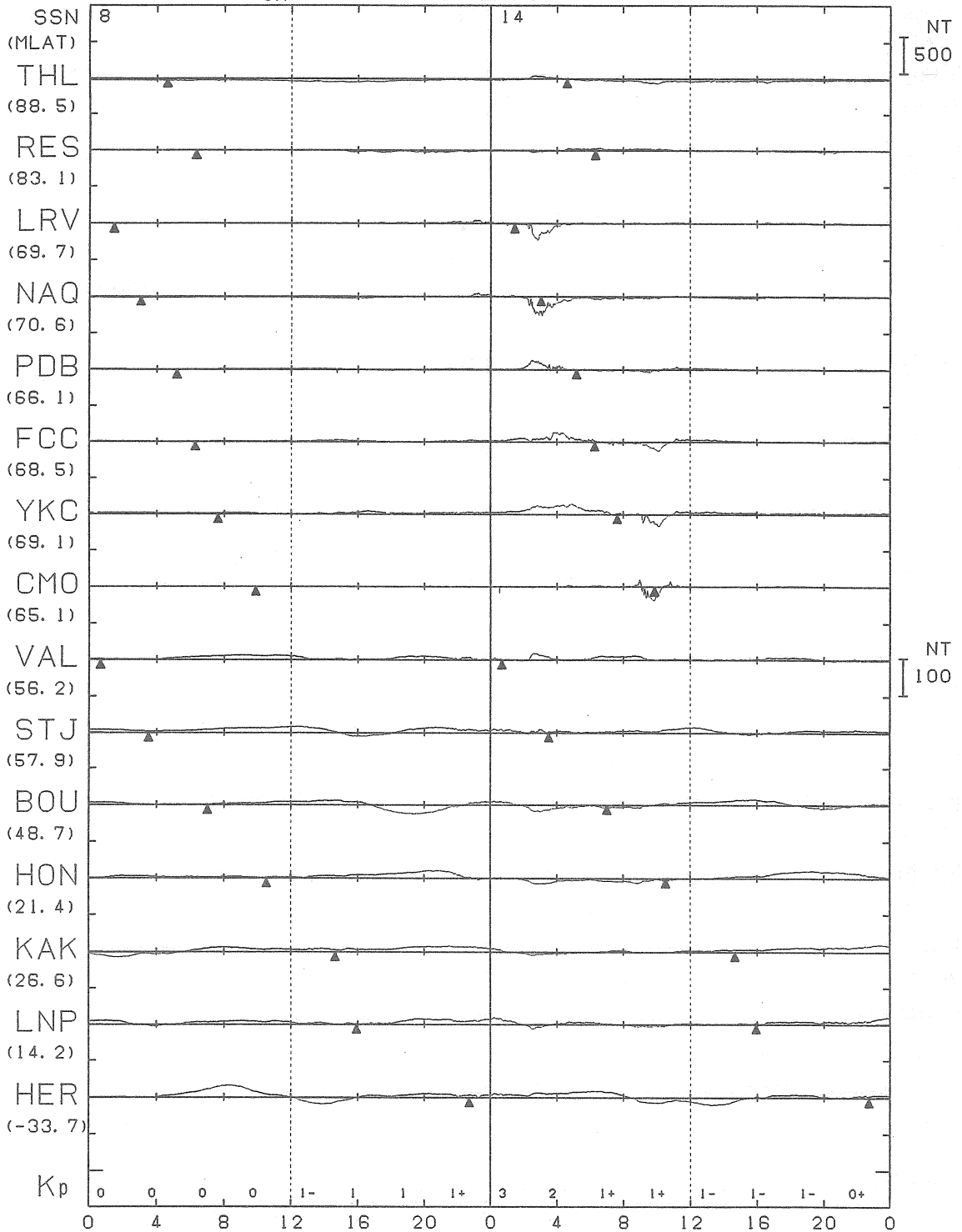


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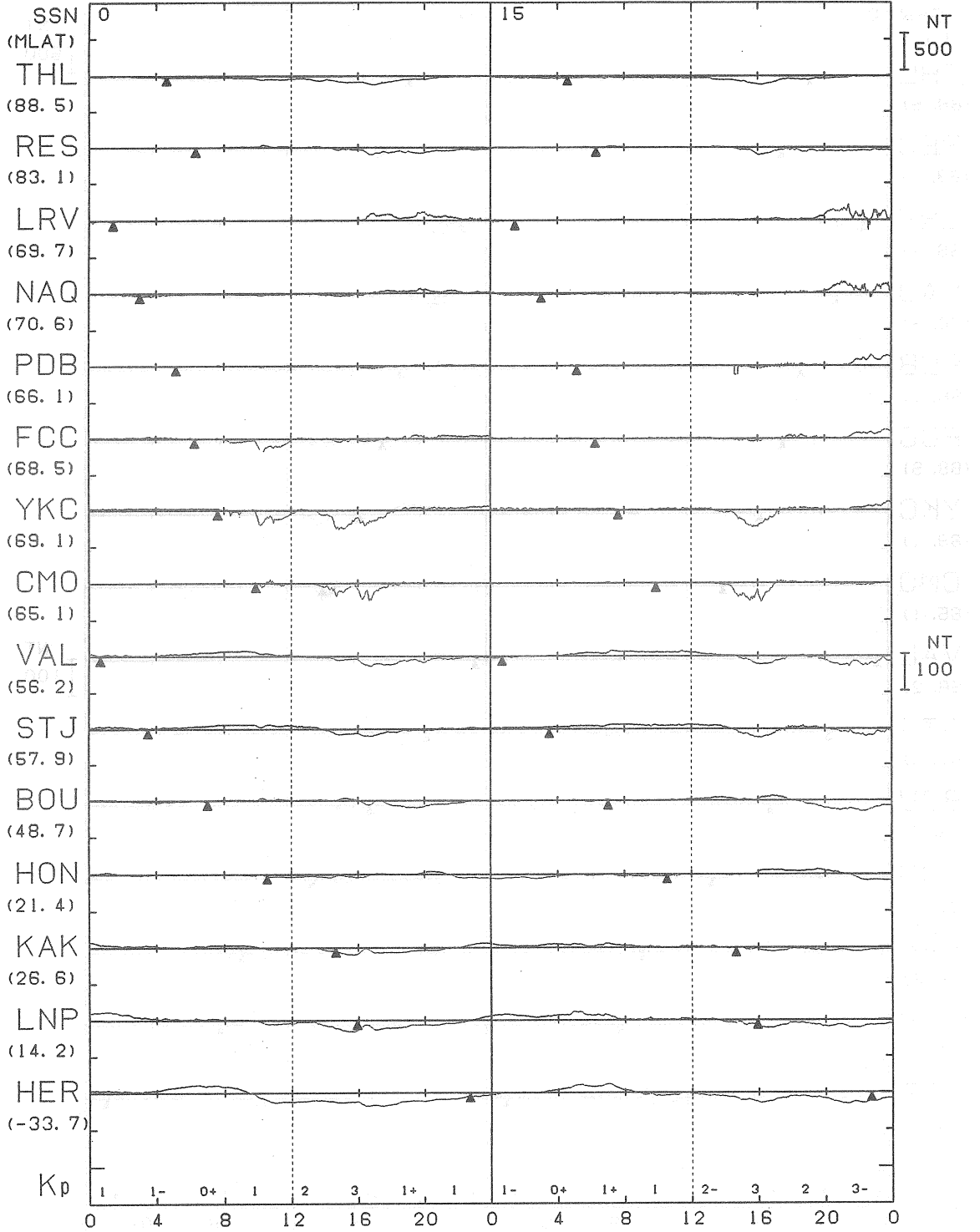
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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(DAY 19)

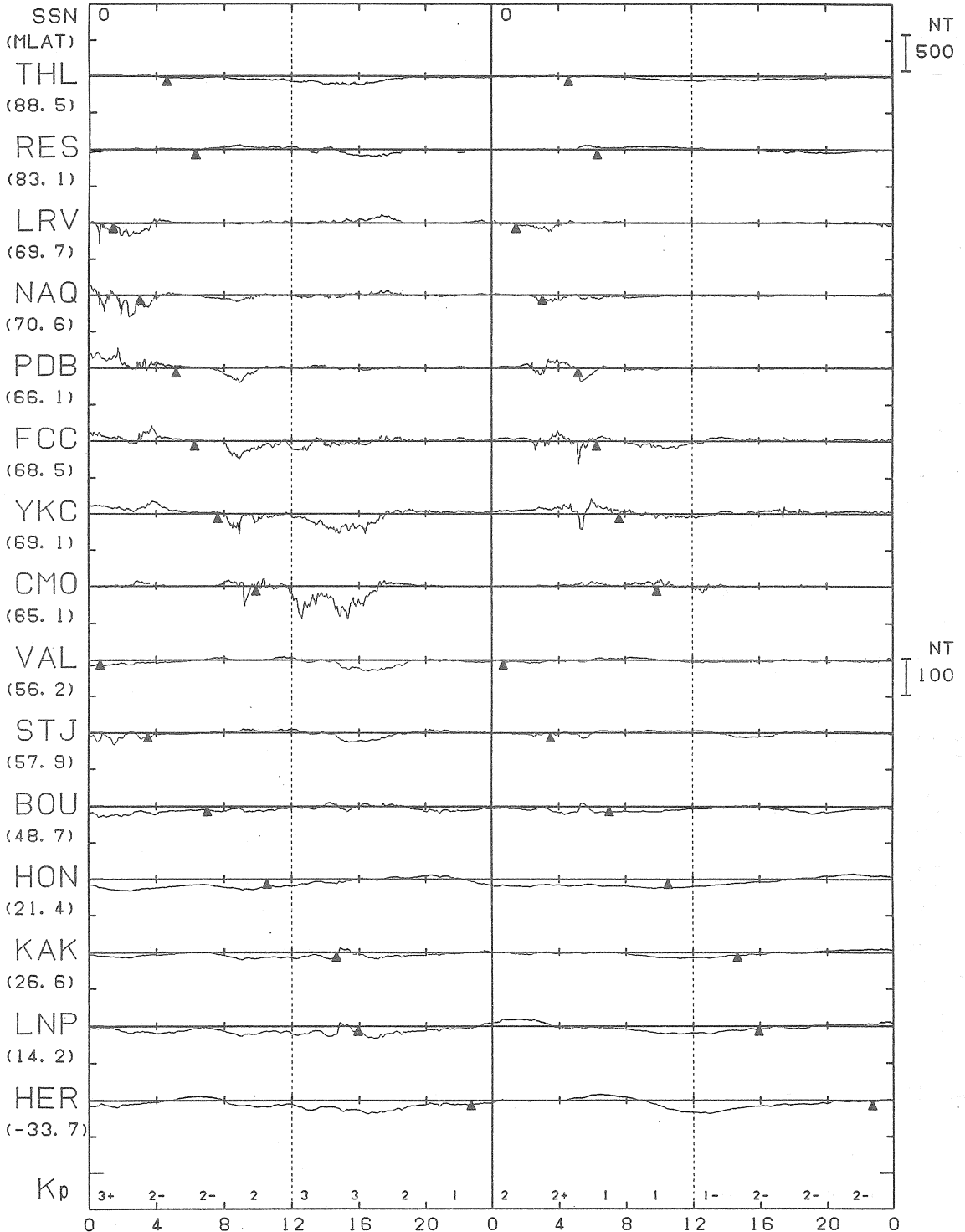
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(DAY 20)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



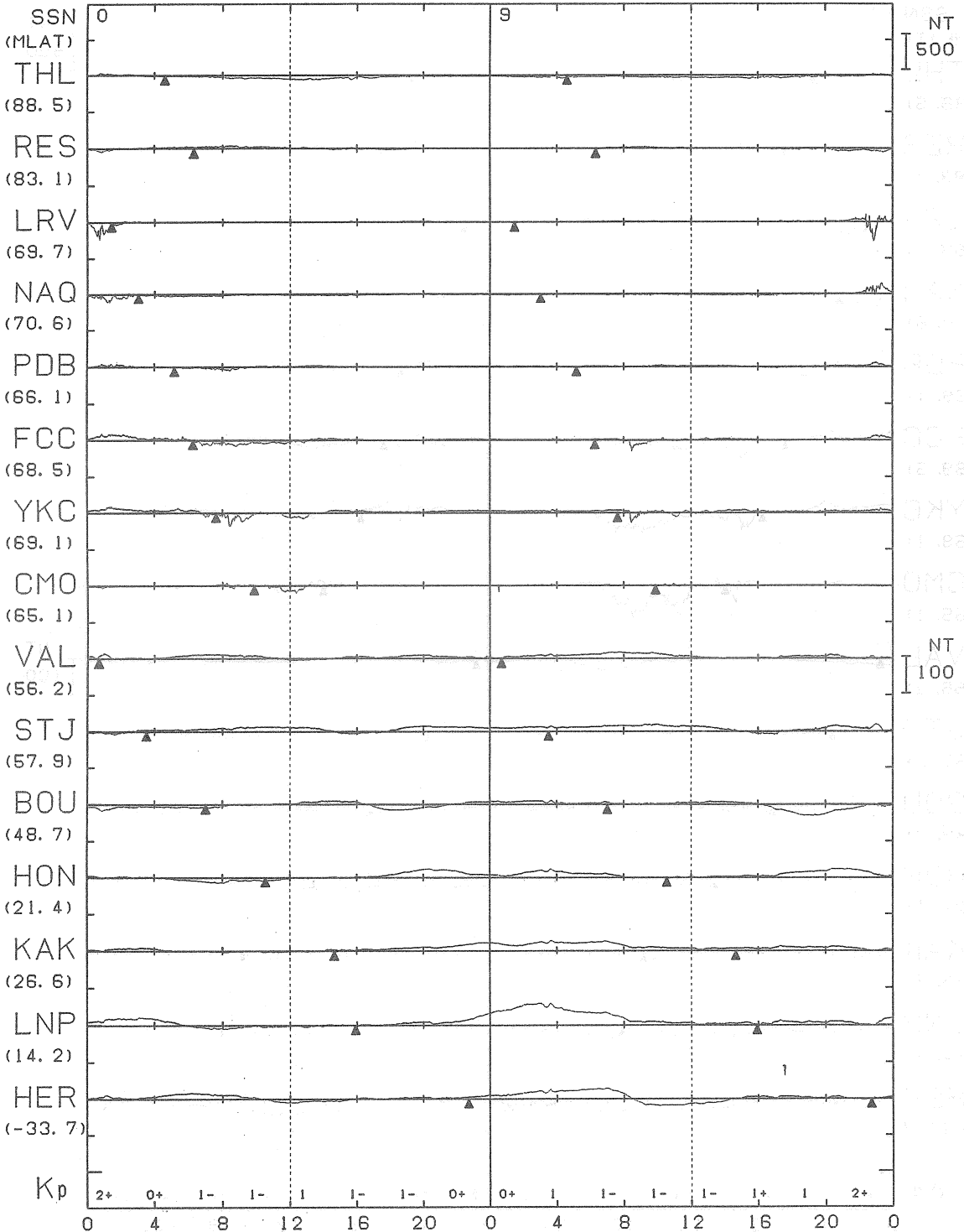
JAN 21  
(DAY 21)

JAN 22  
(DAY 22)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

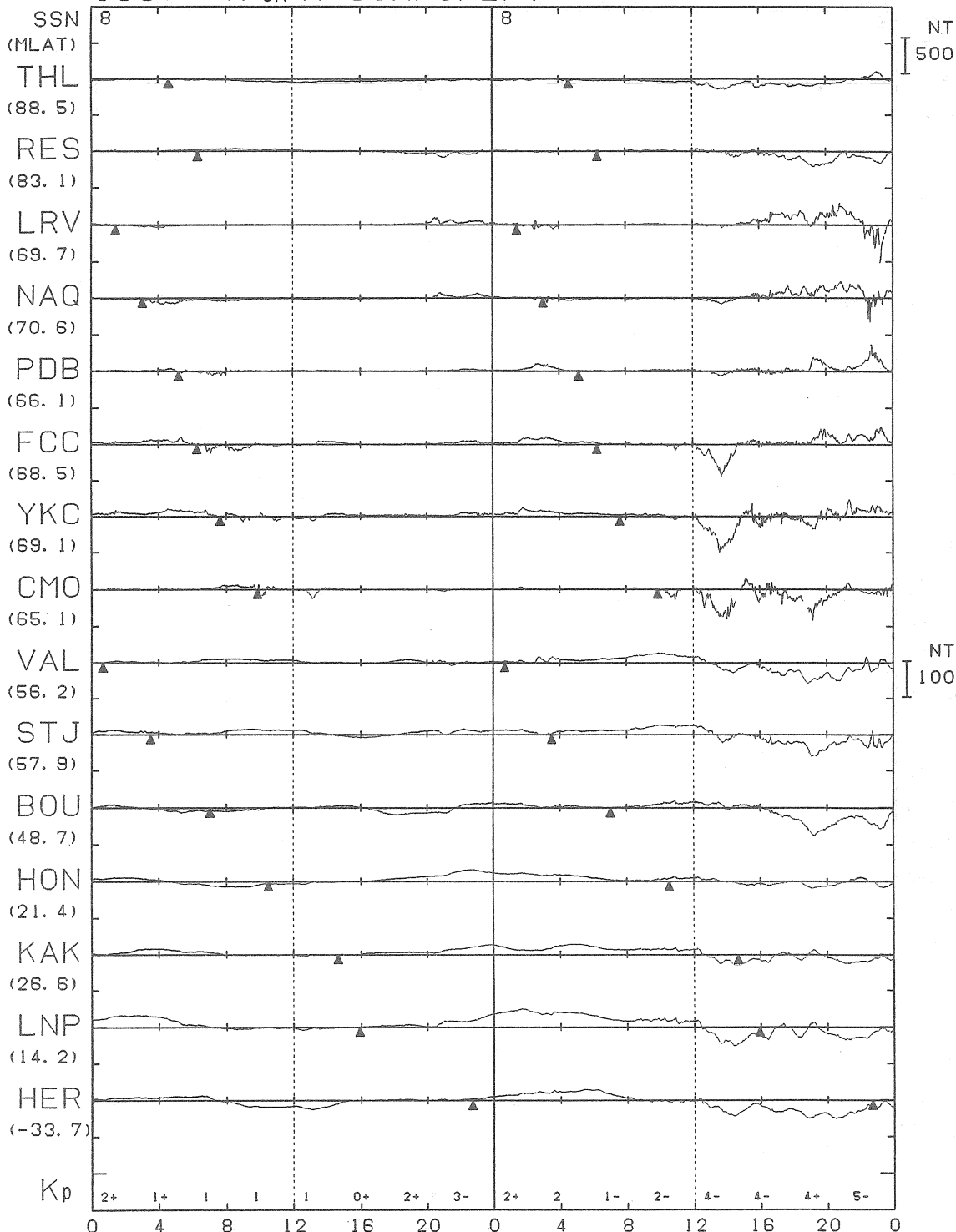


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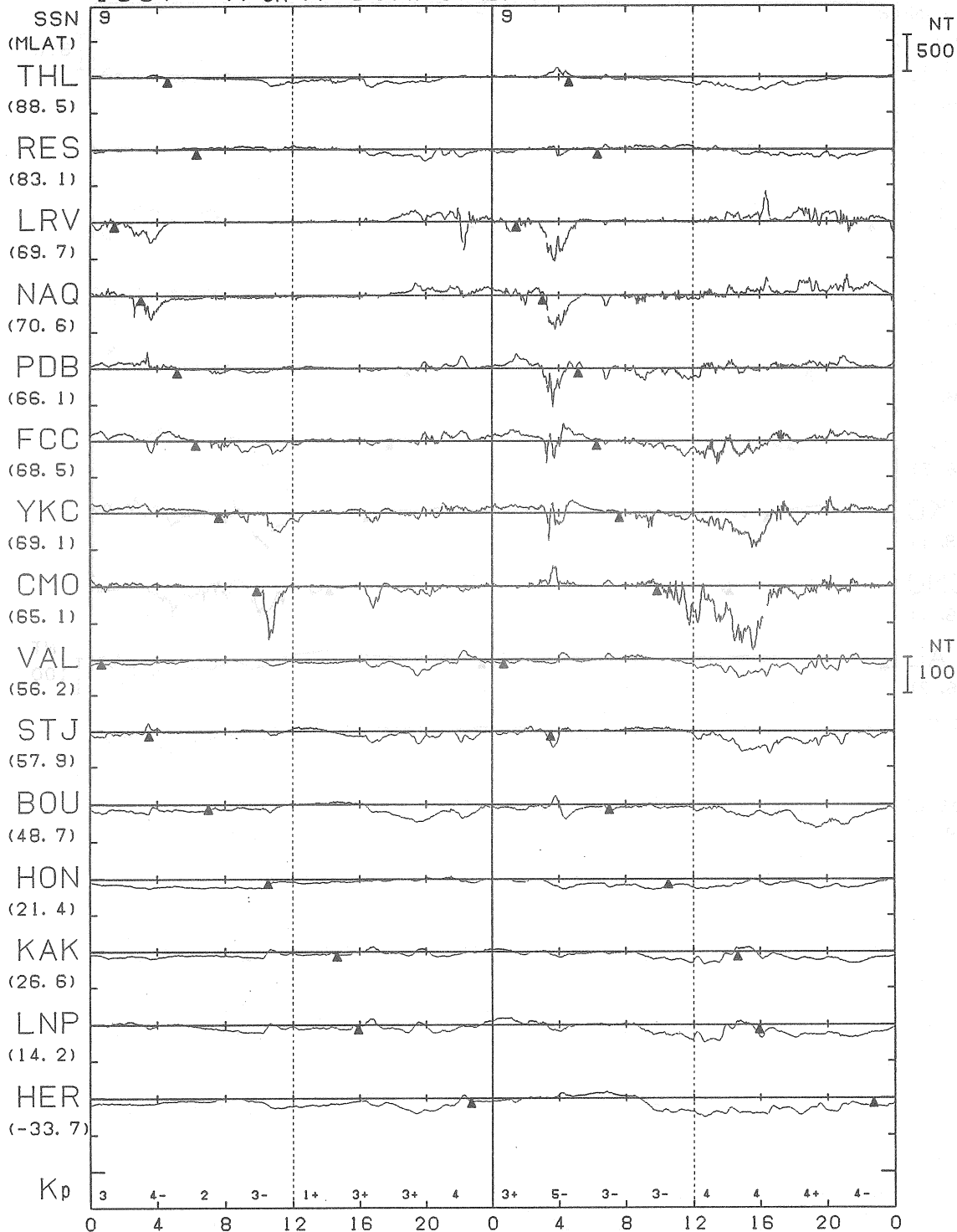
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JAN 27  
(DAY 27)

JAN 28  
(DAY 28)

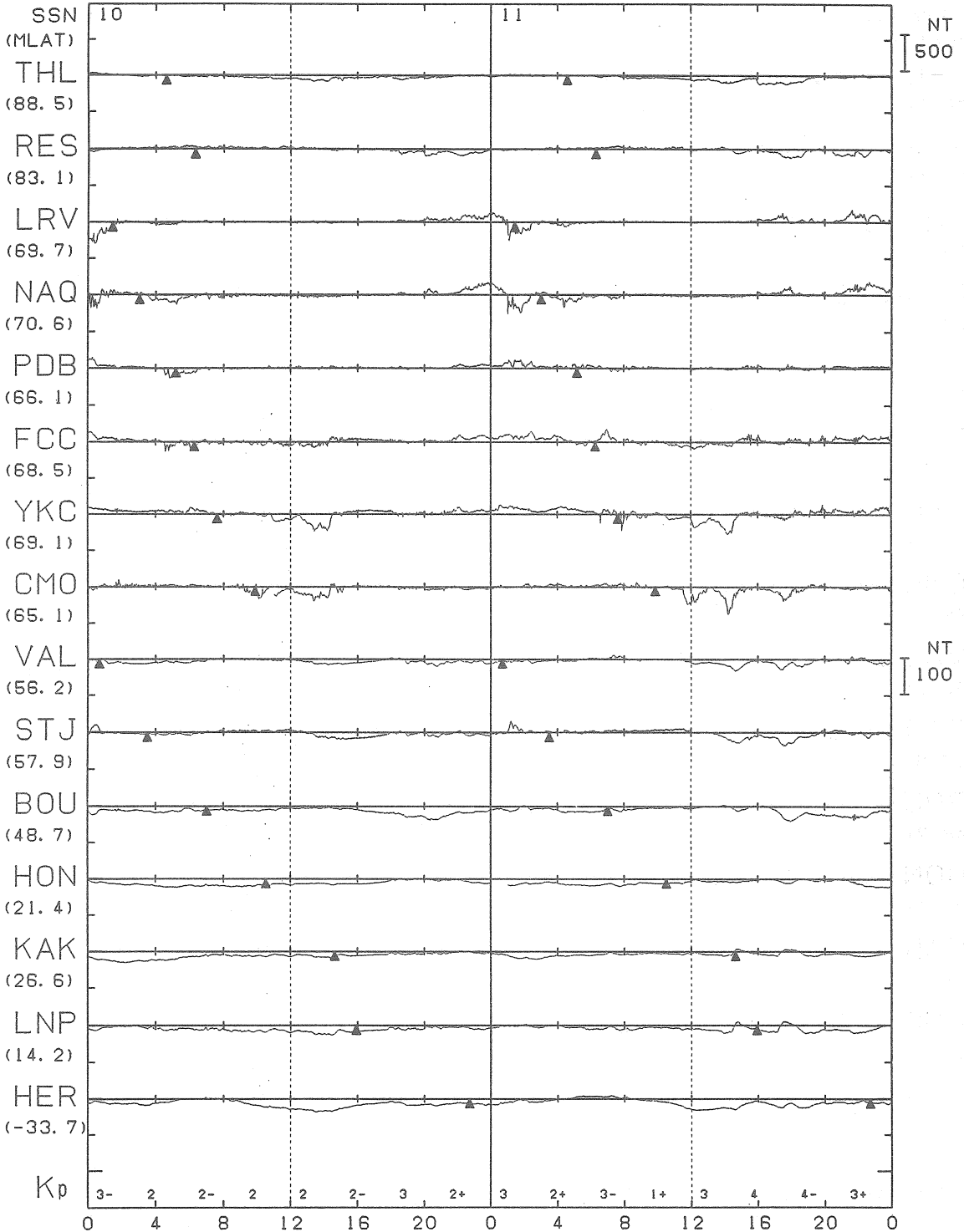
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1997 H OR X-COMPONENT

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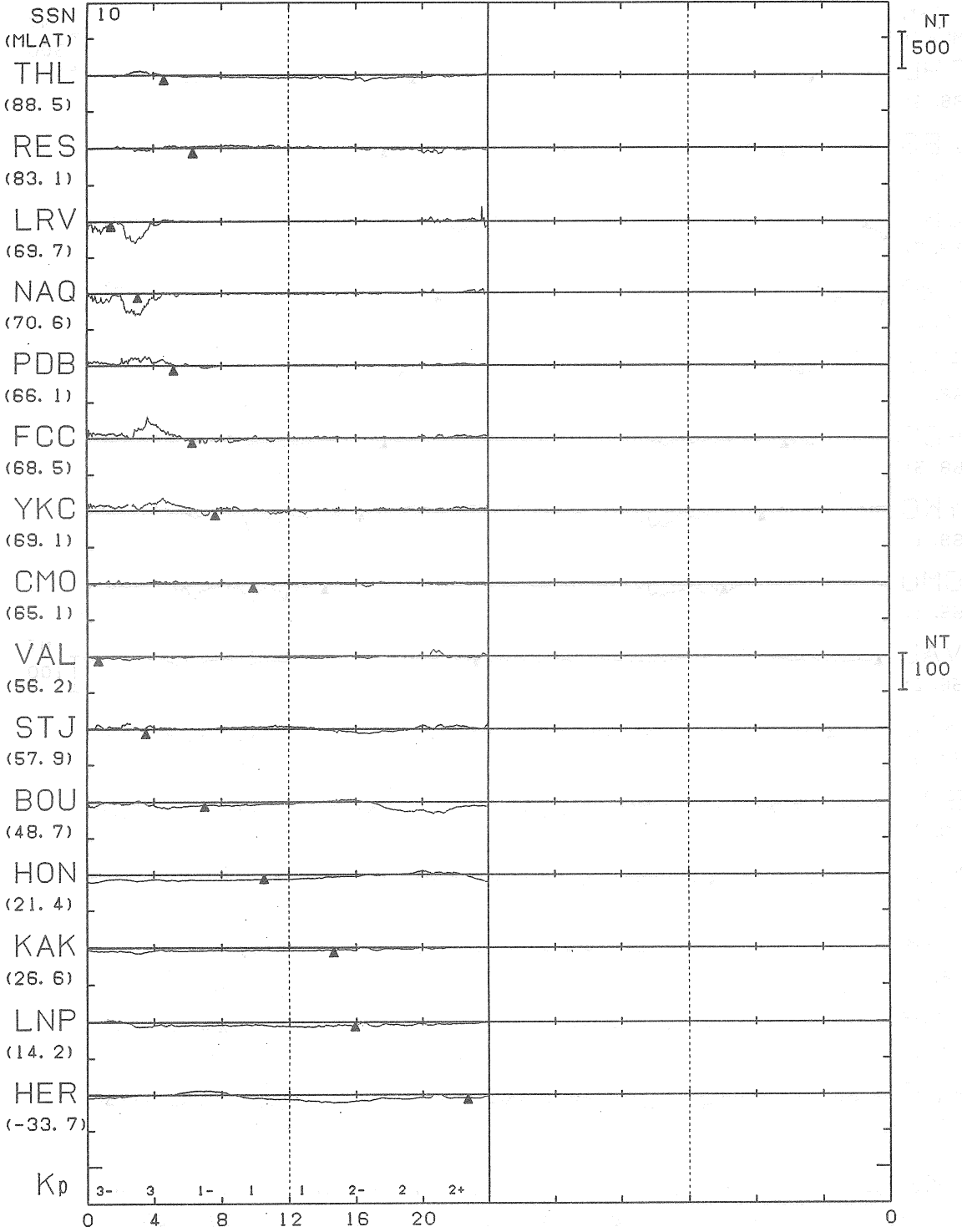


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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



Kp 3- 3 1- 1 1 2- 2 2+

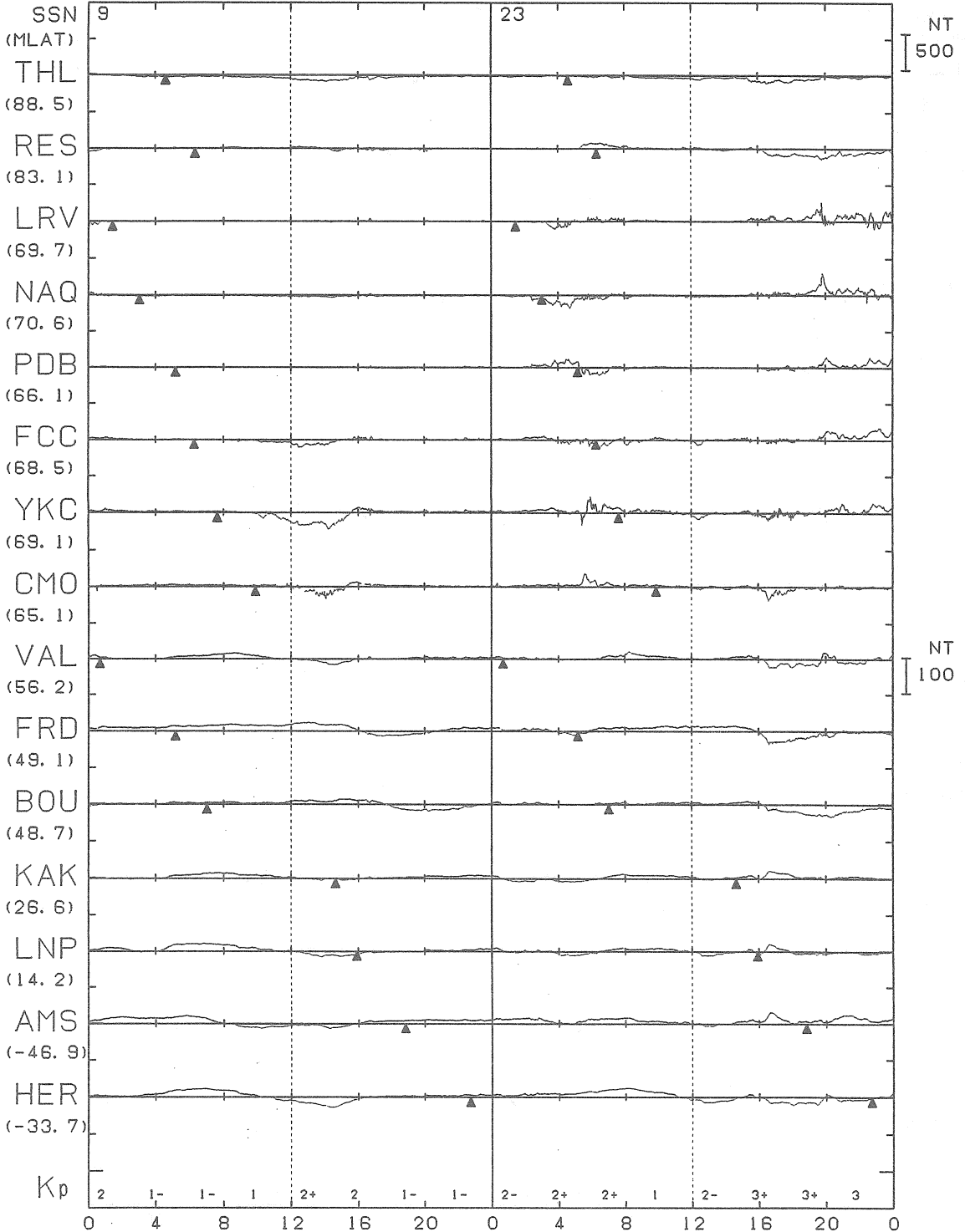
JAN 31  
(DAY 31)

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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

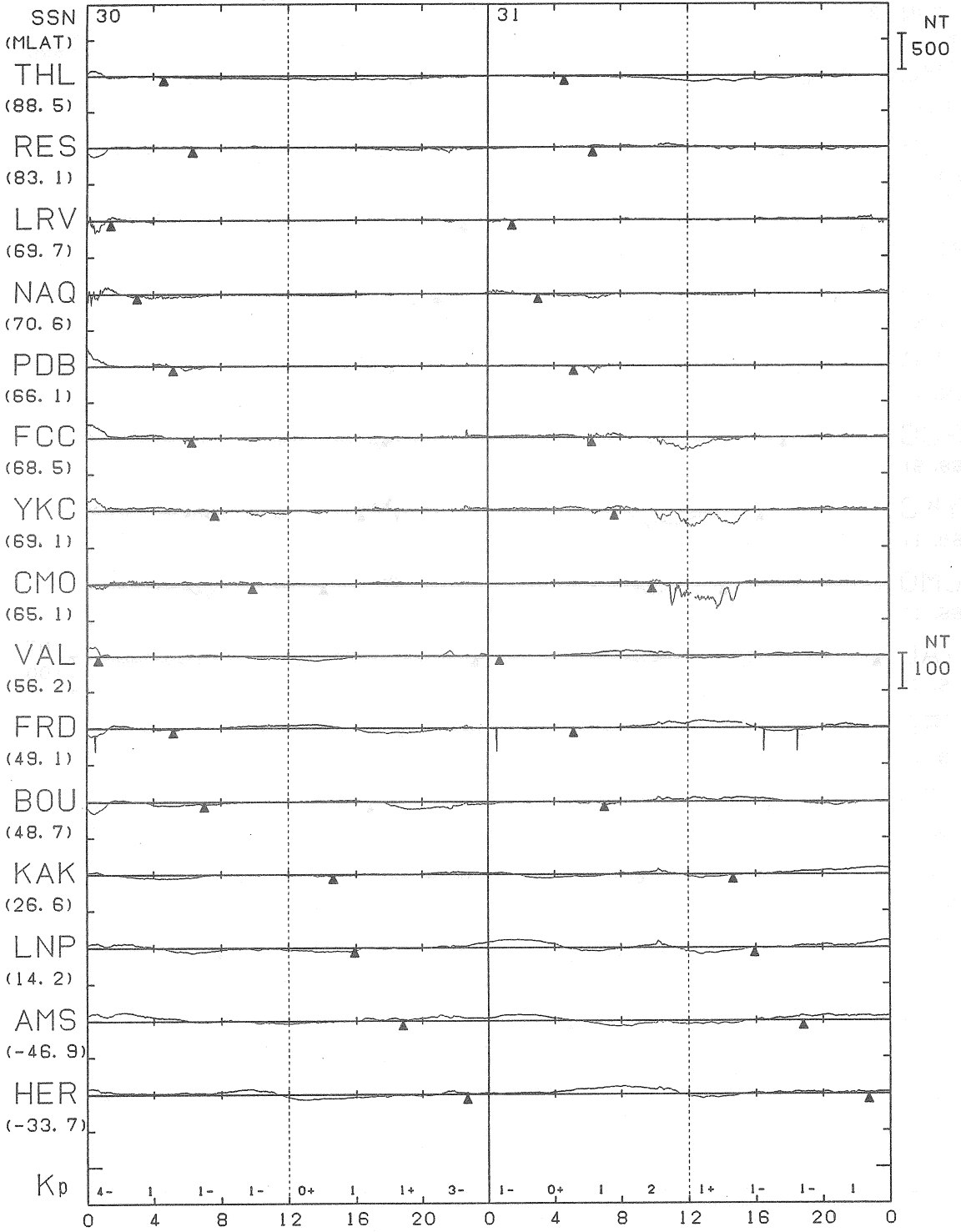


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1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

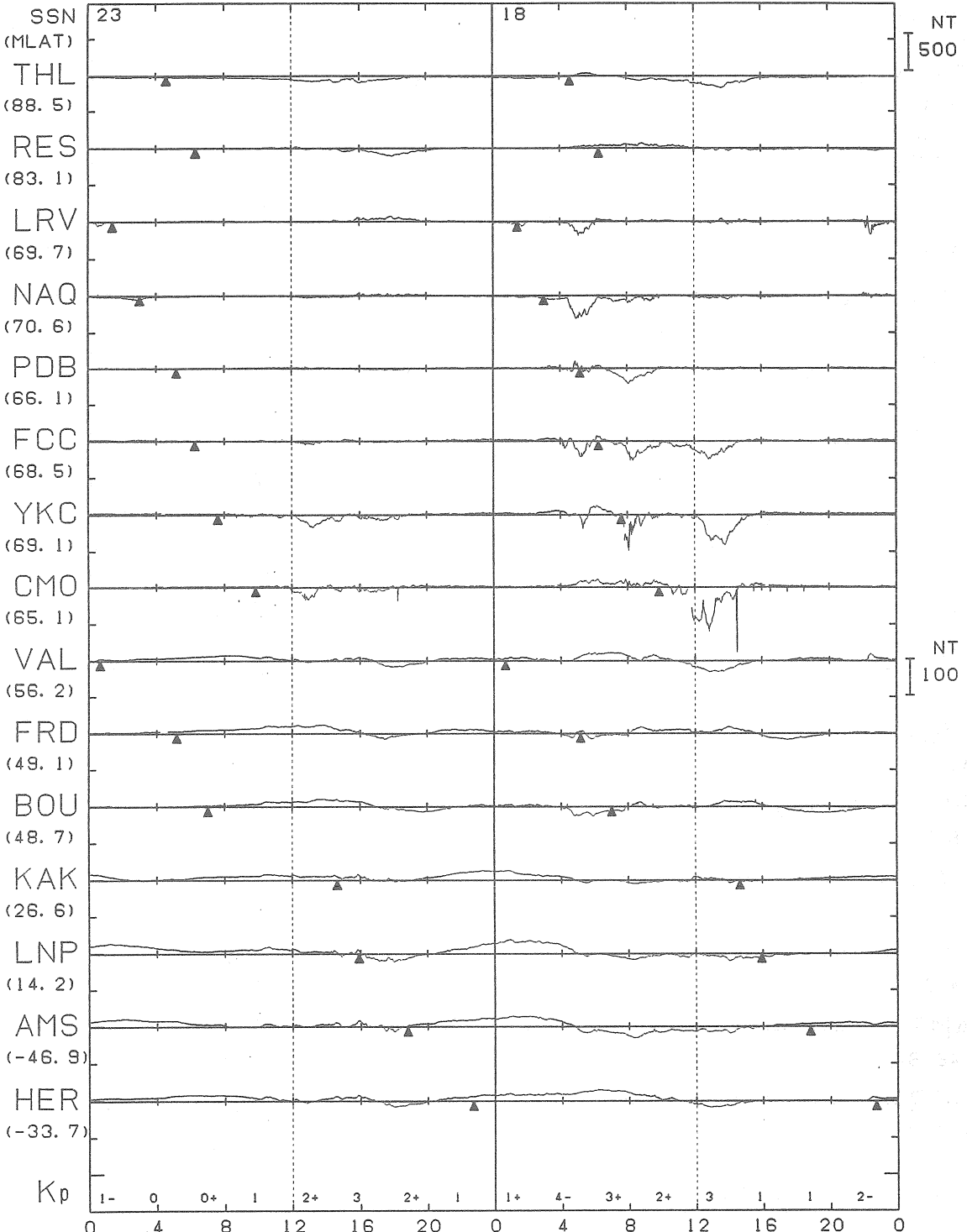


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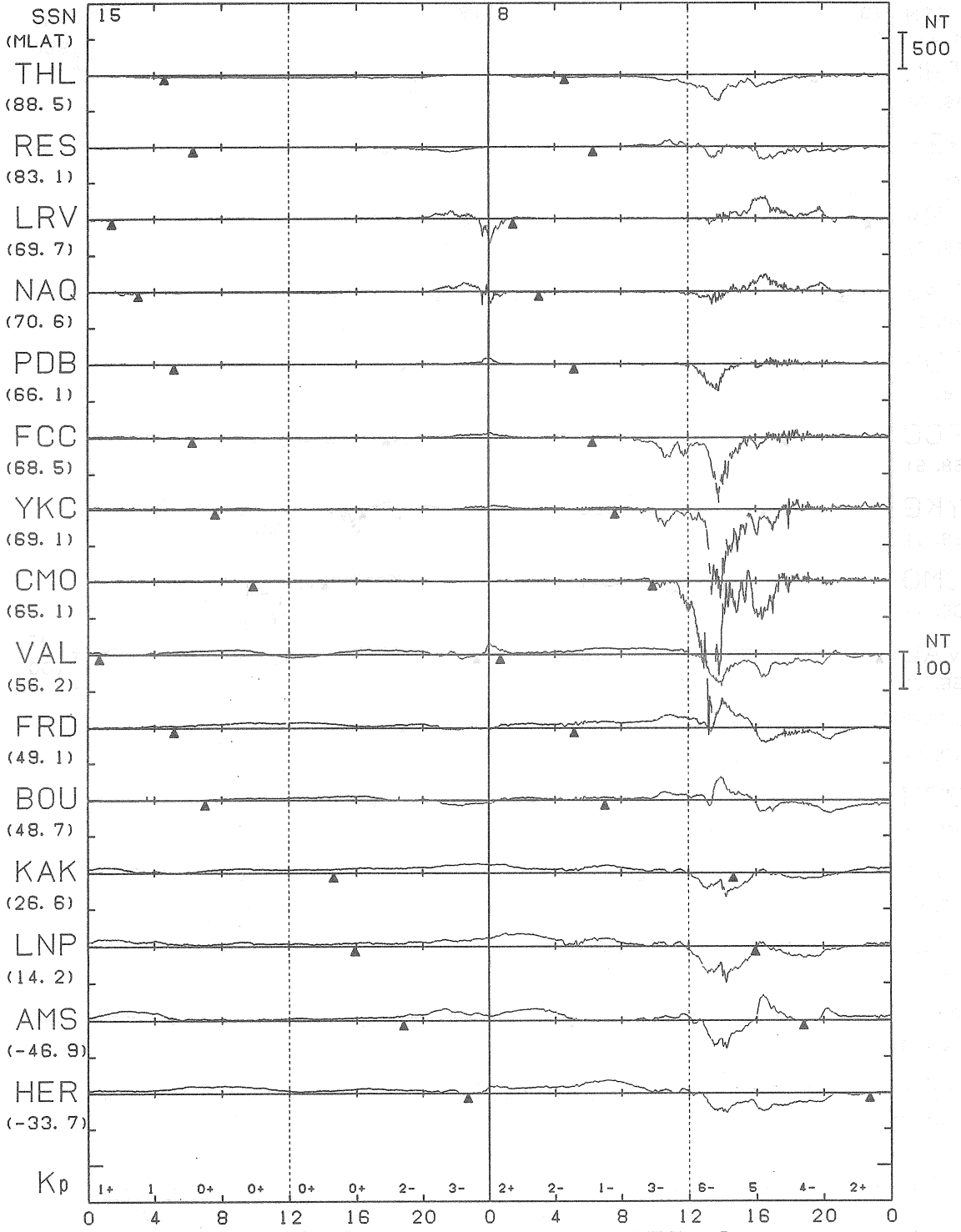
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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

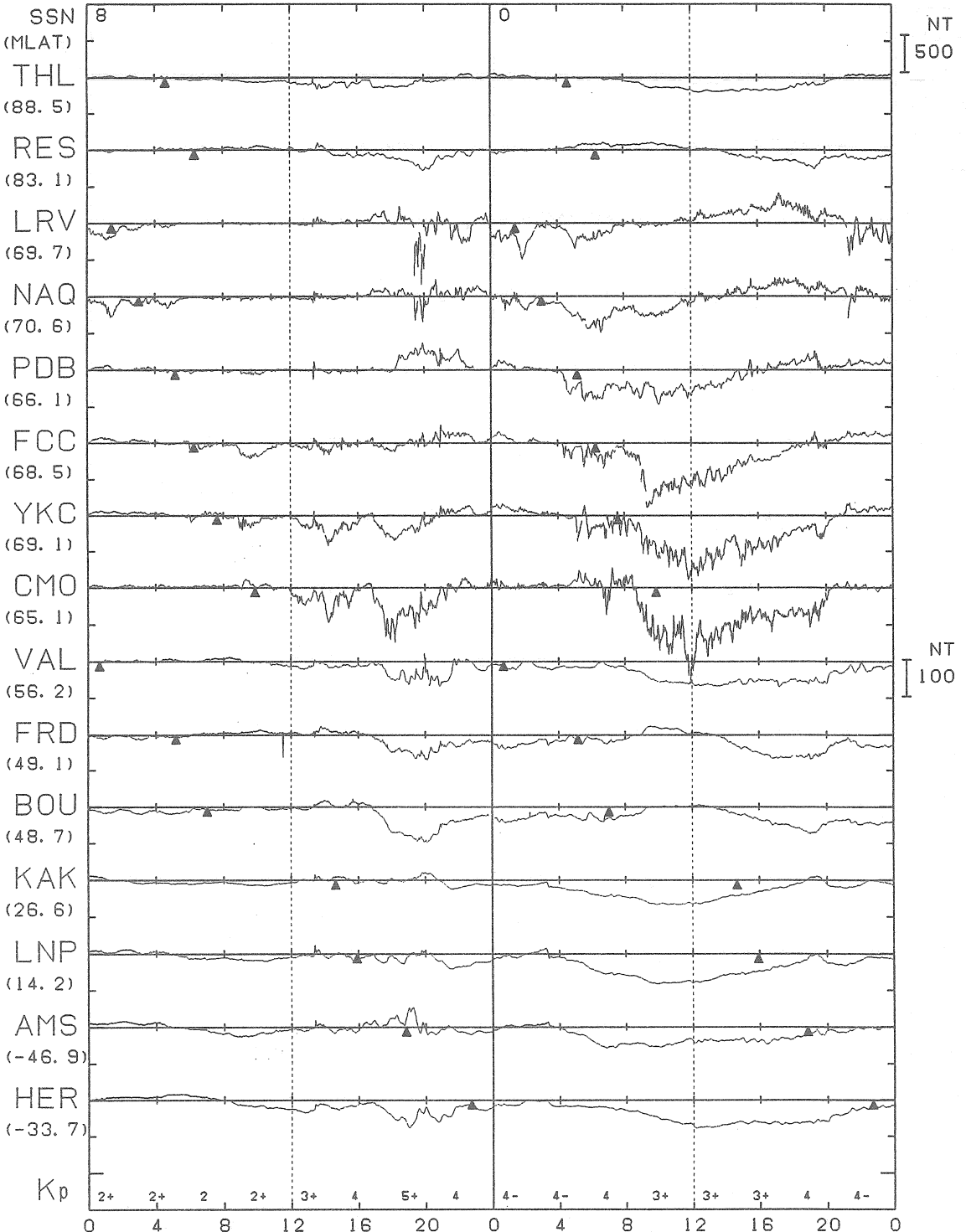


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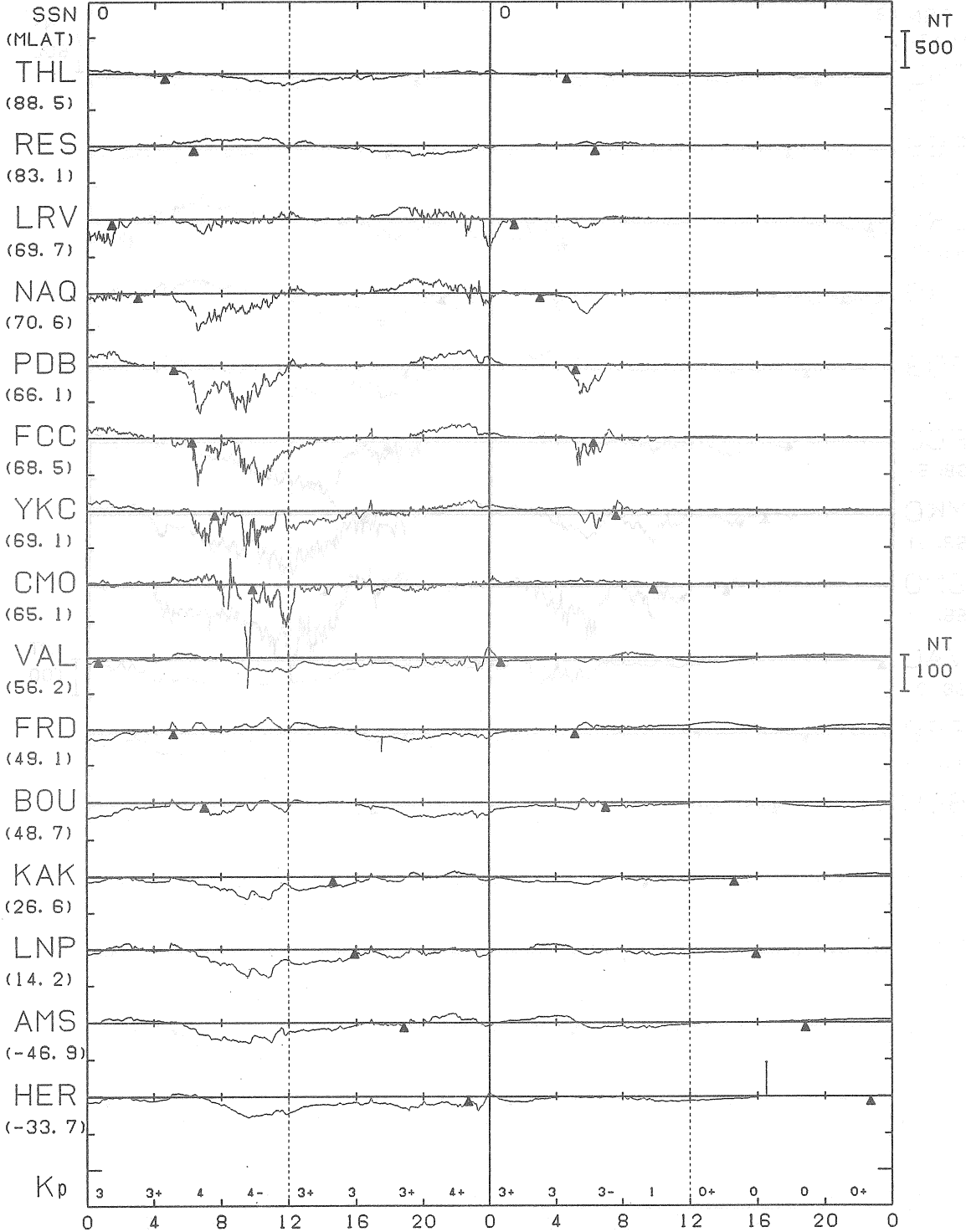


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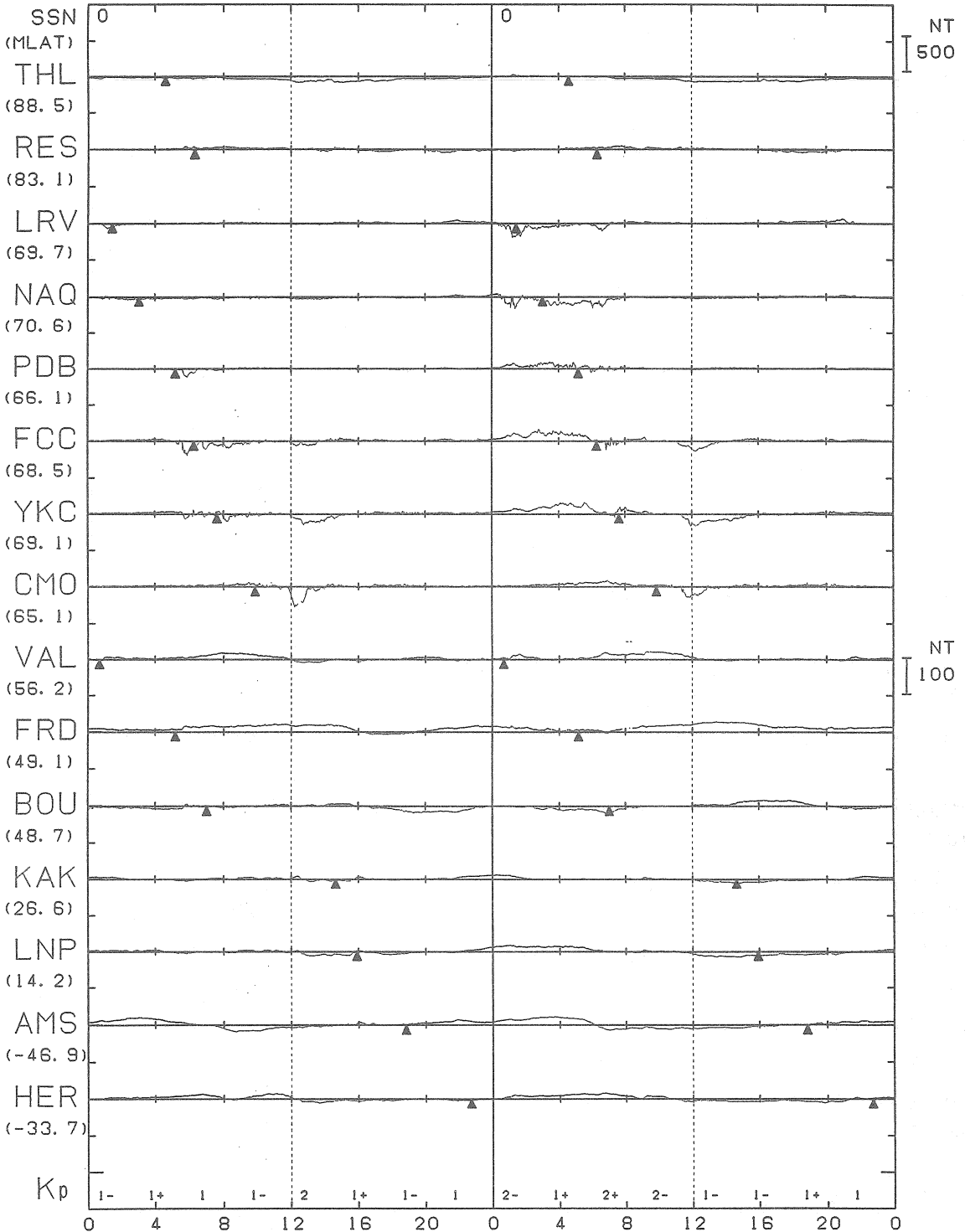
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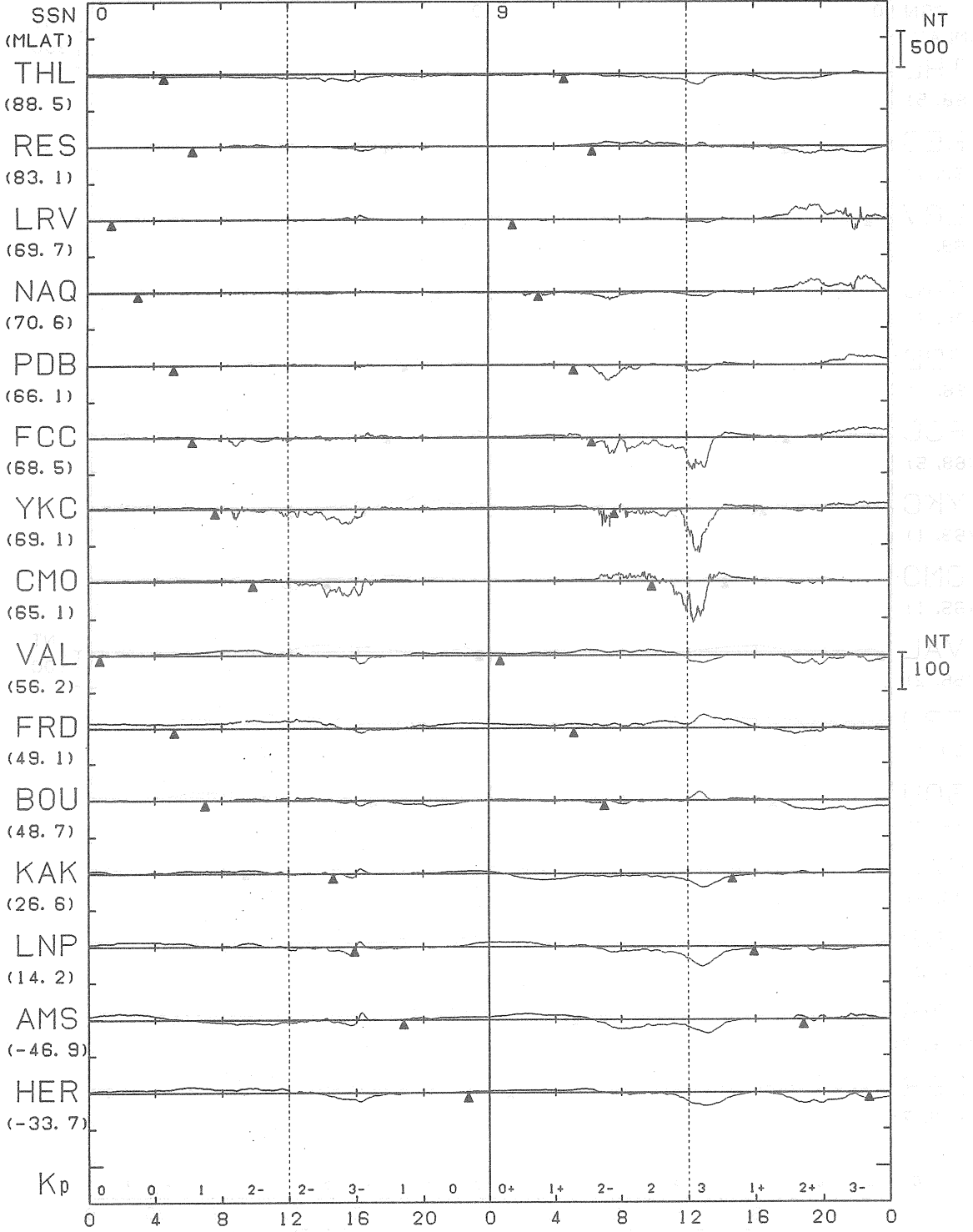
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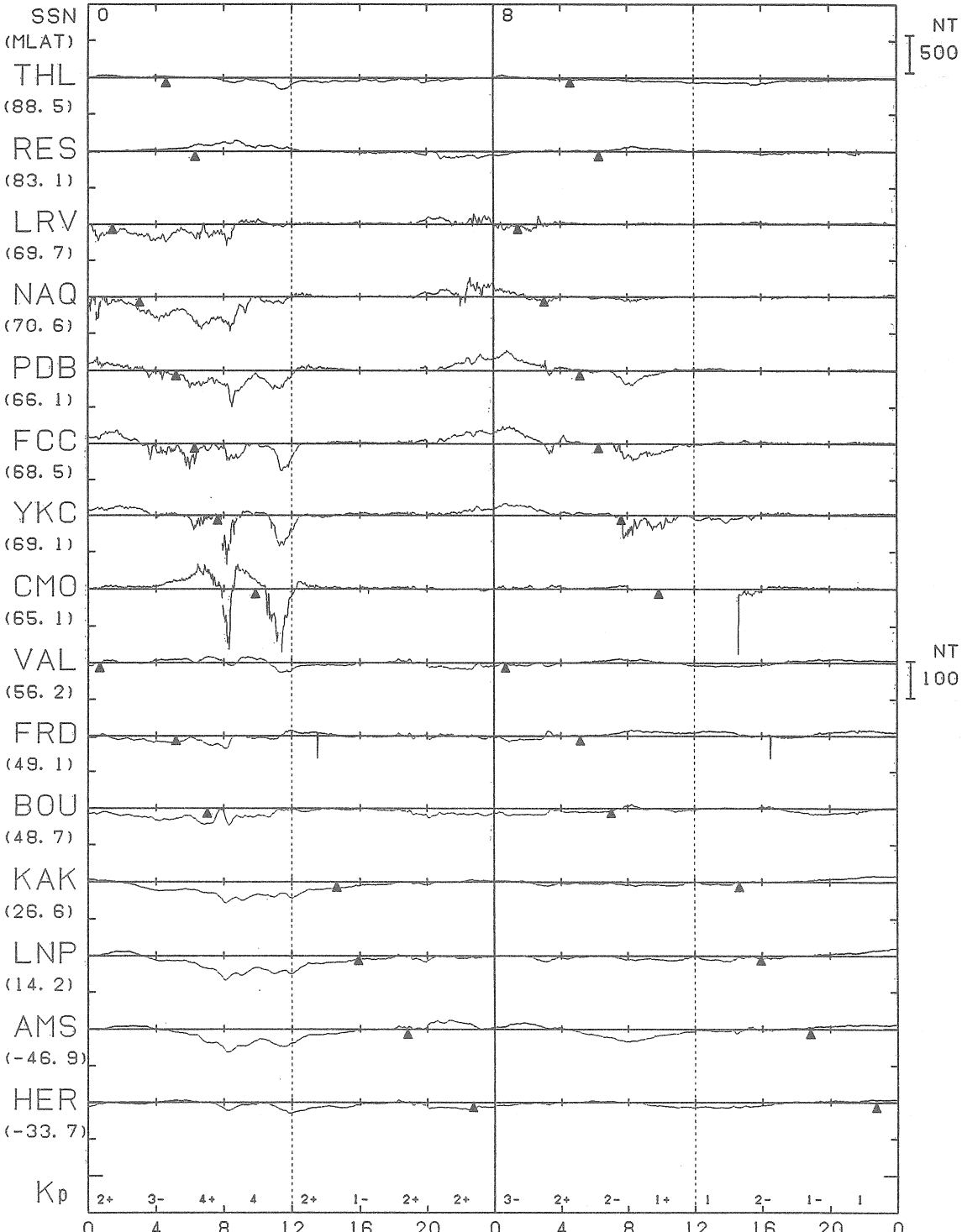


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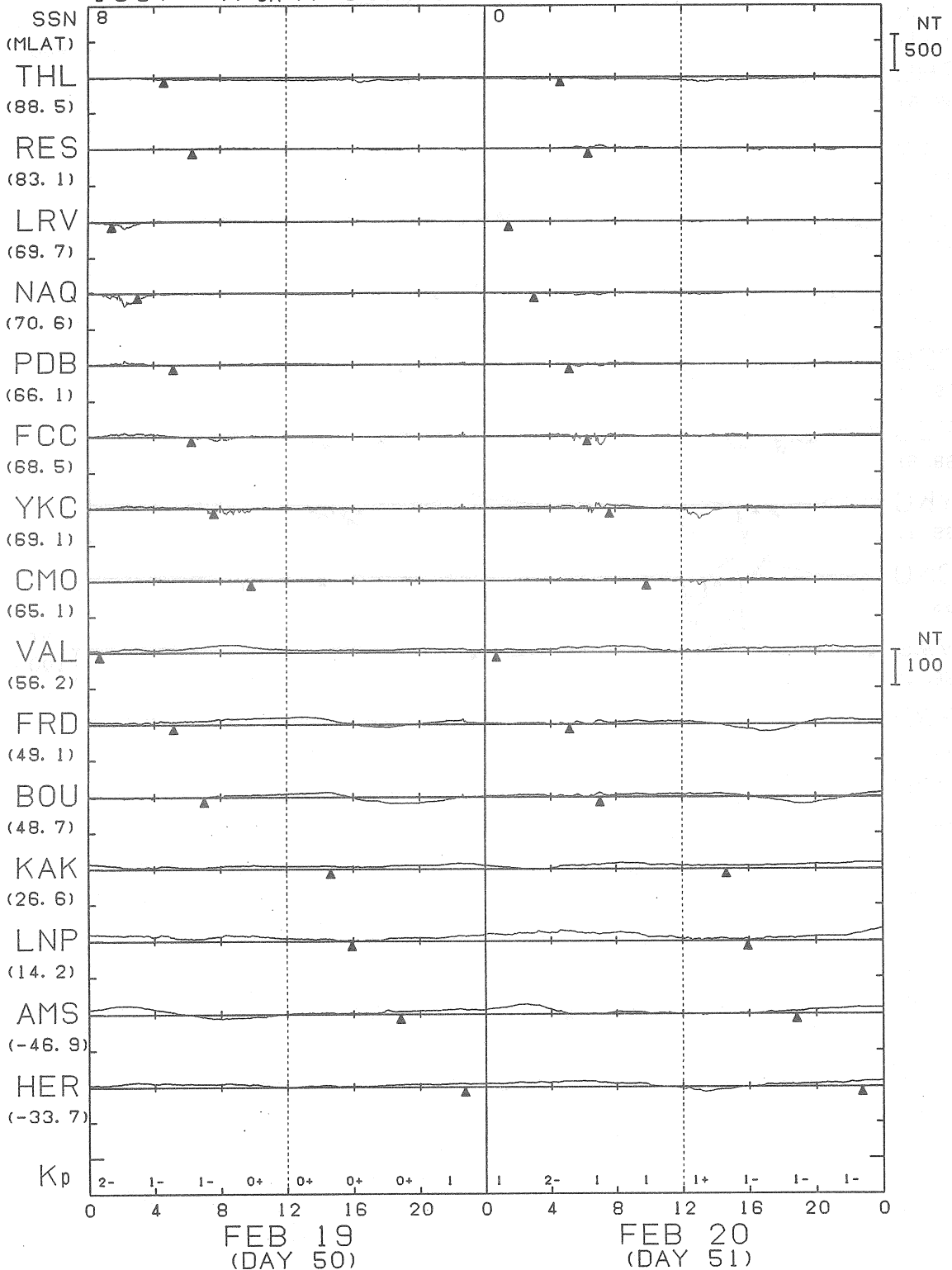
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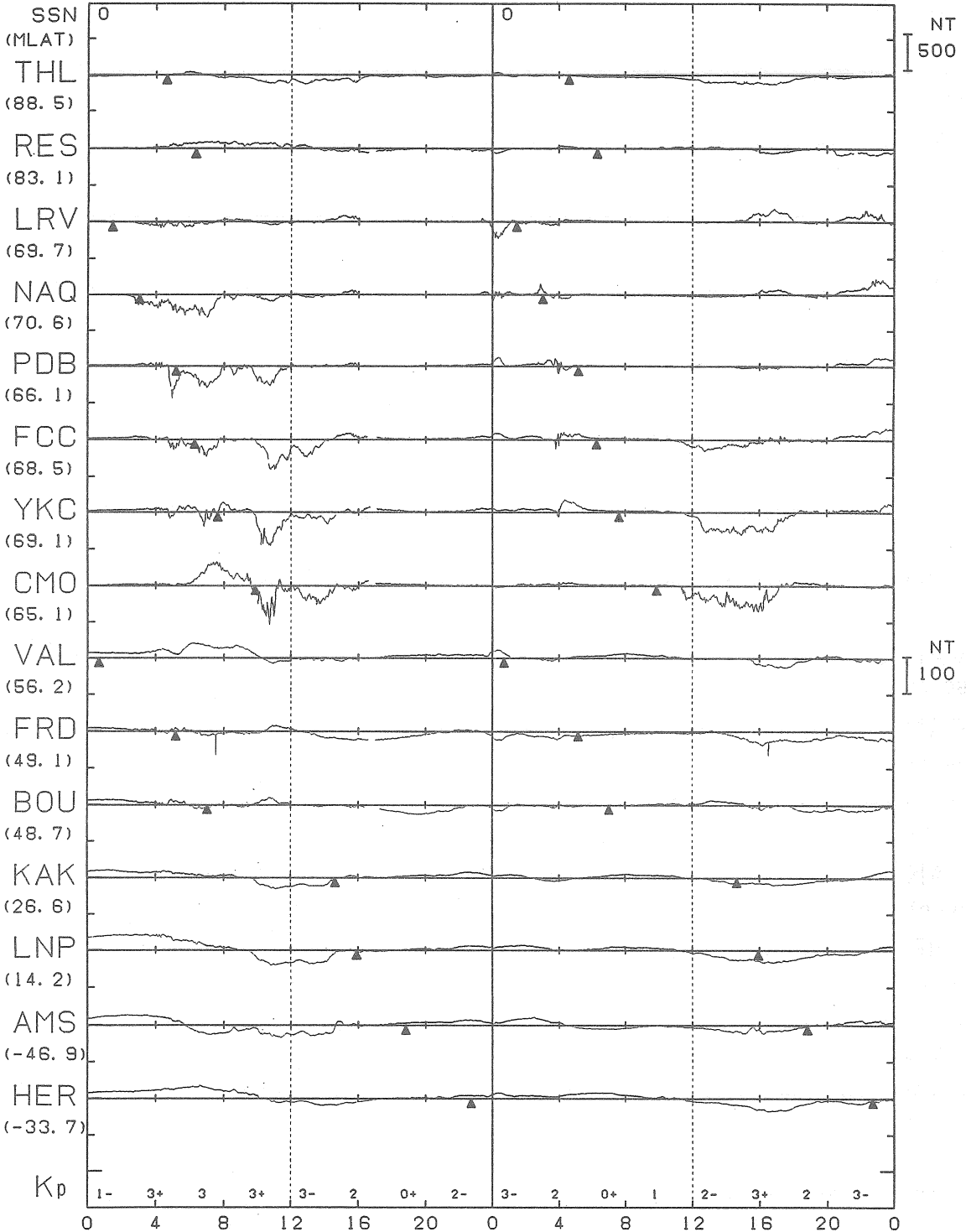


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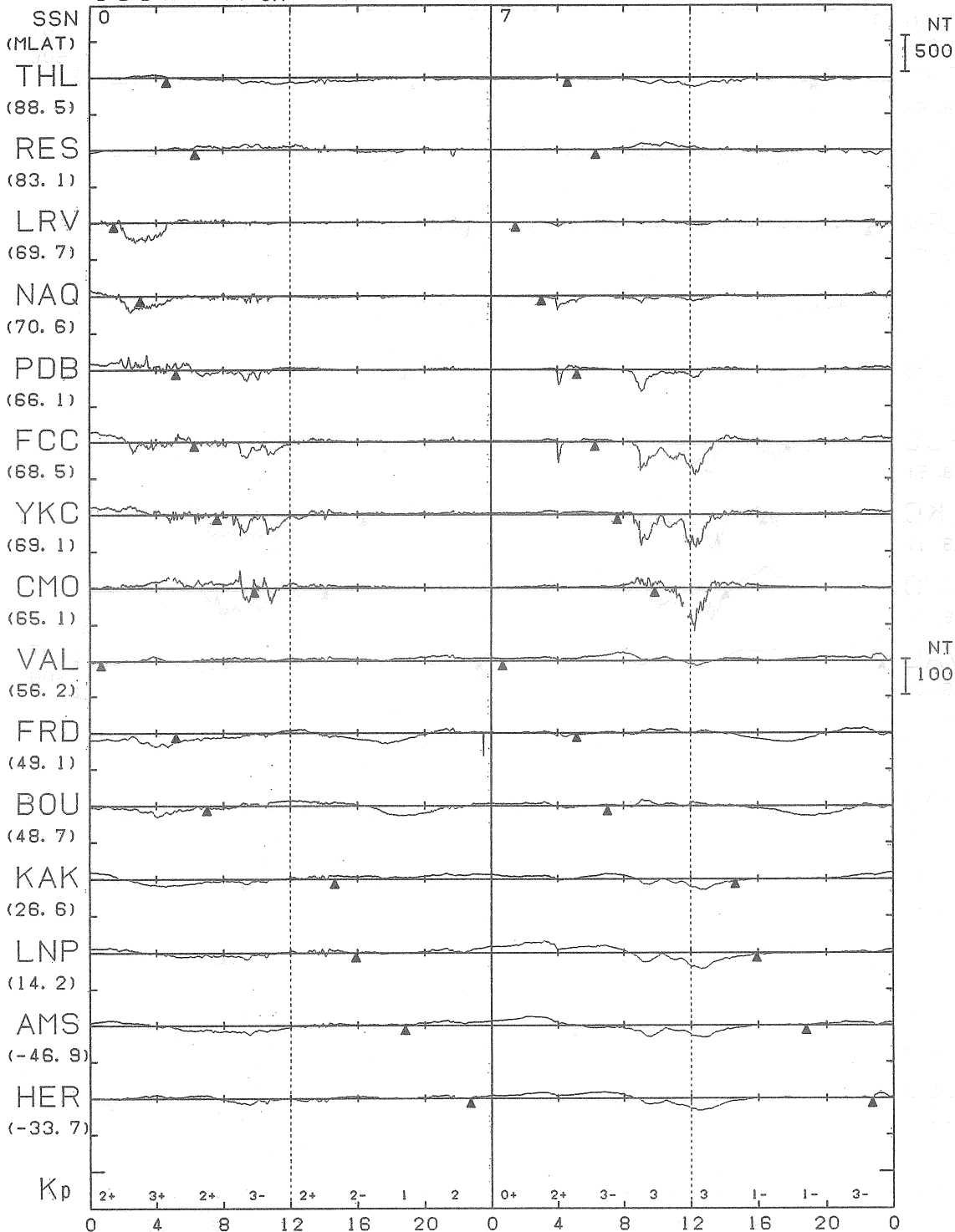


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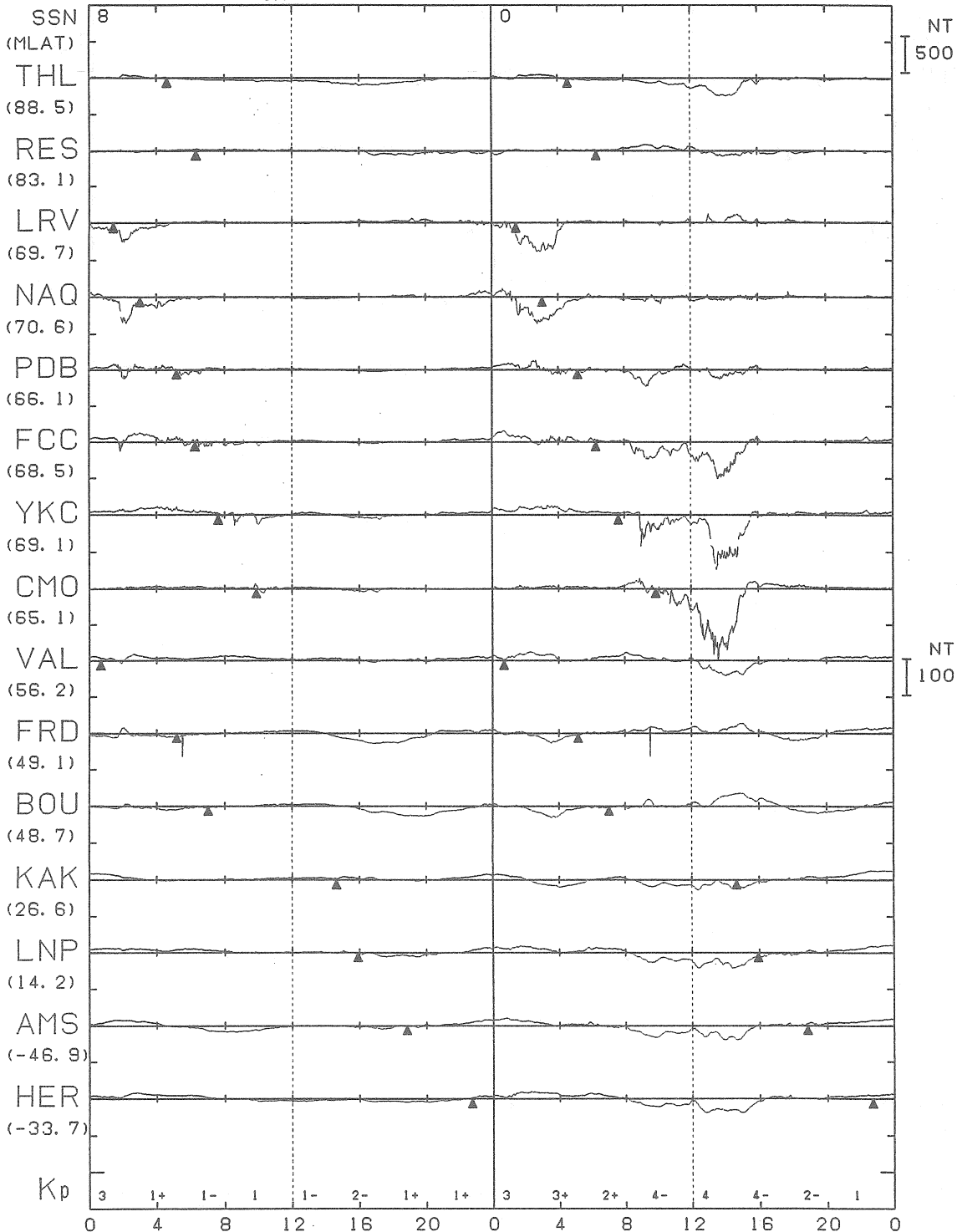


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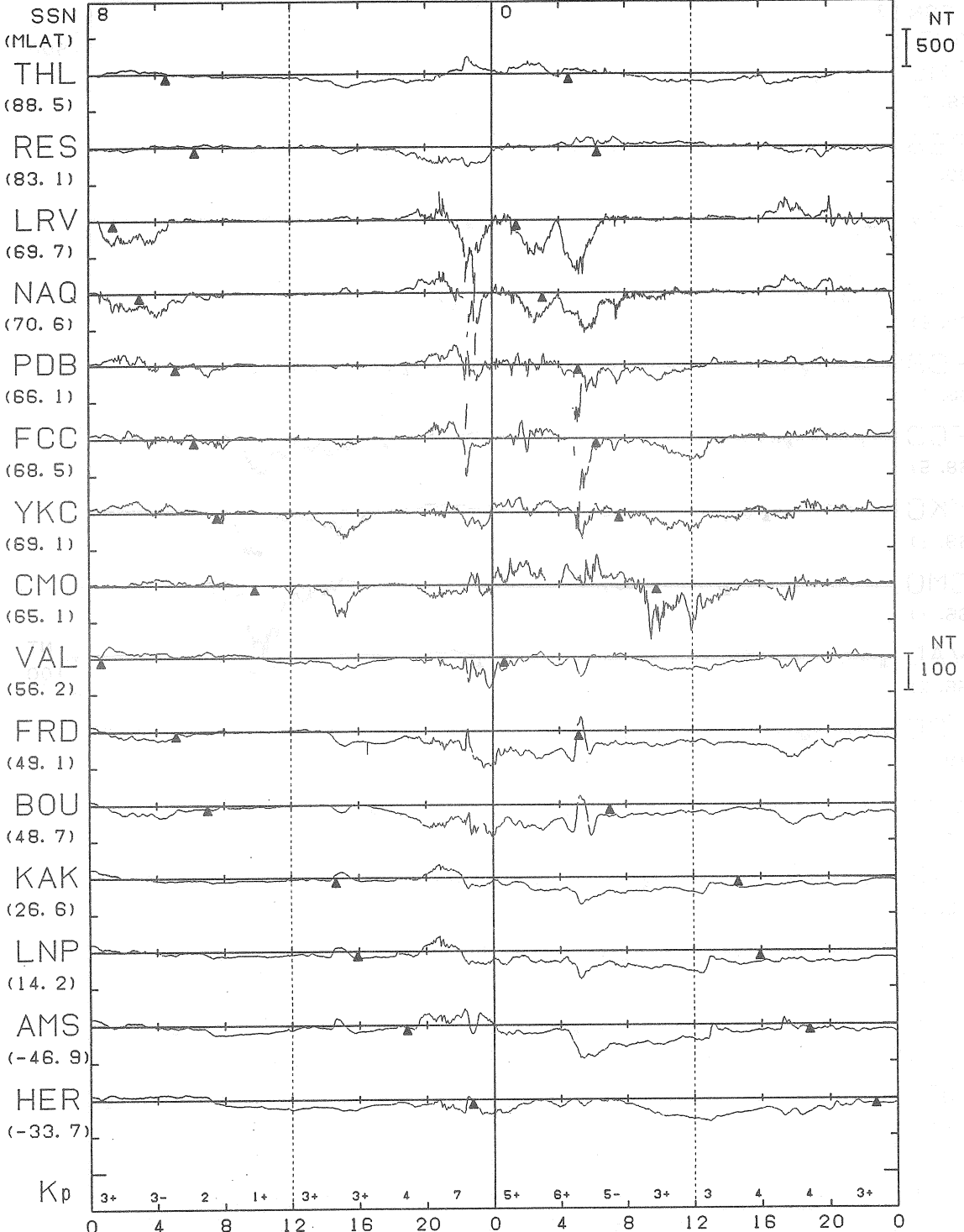


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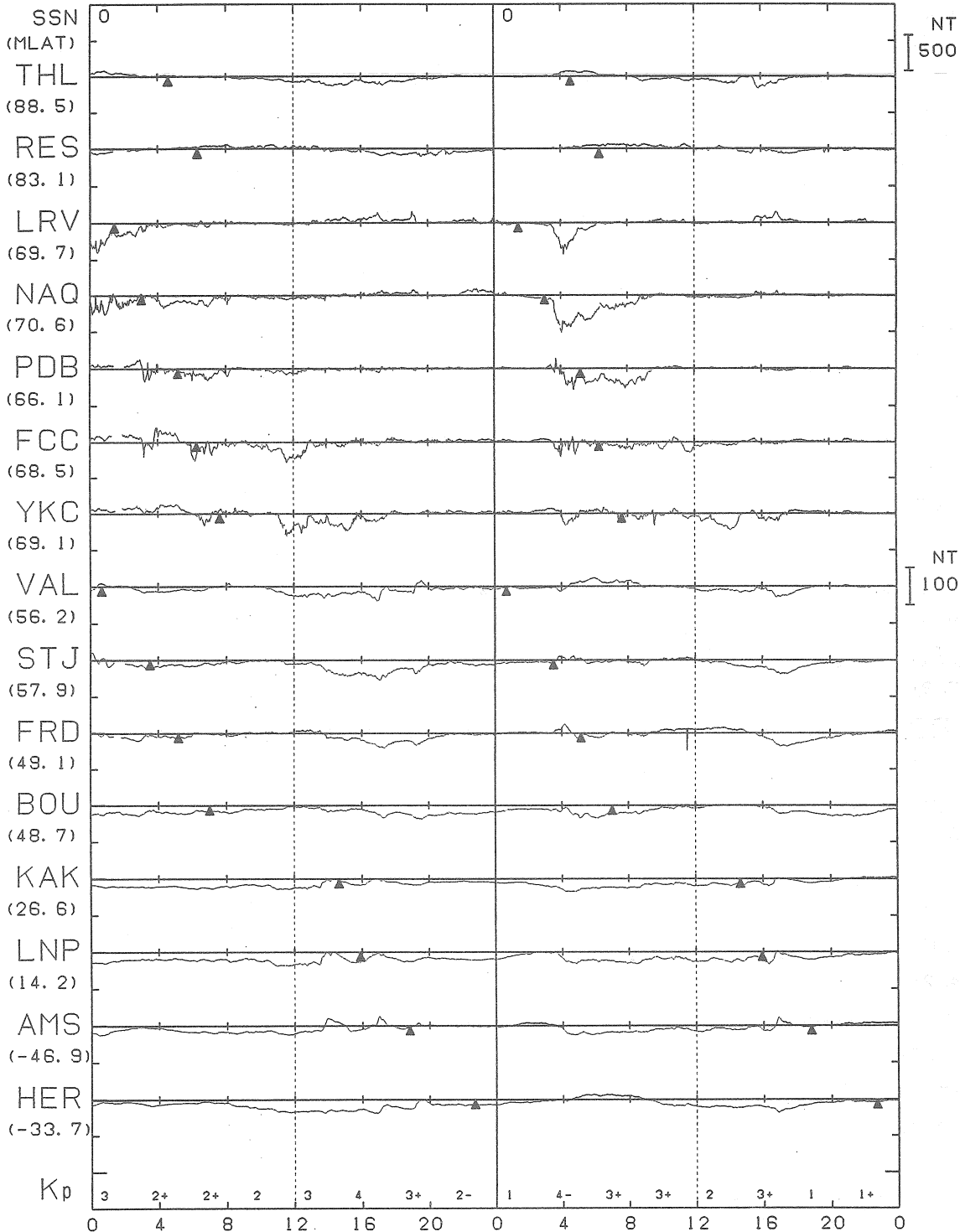
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1997 H OR X-COMPONENT

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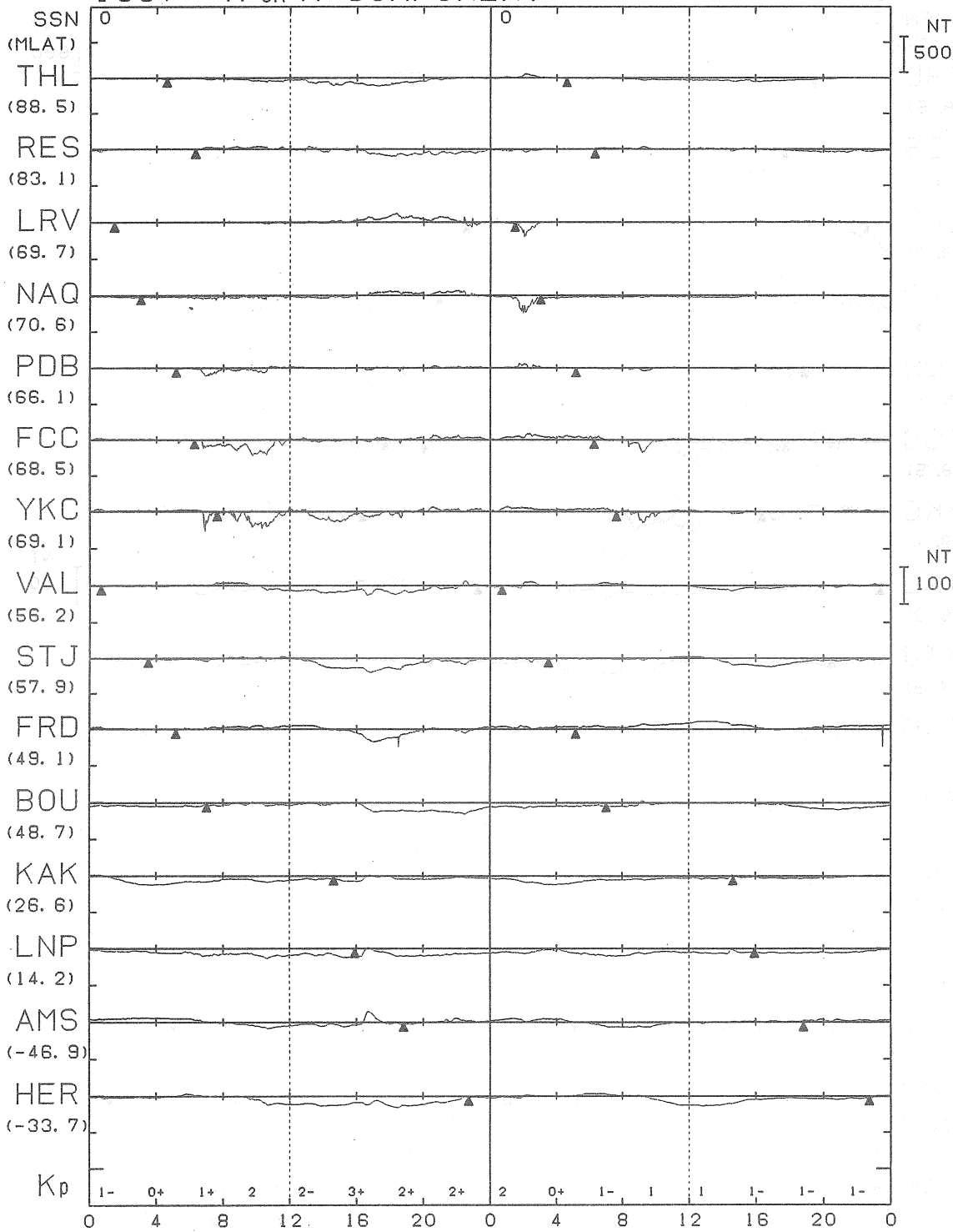


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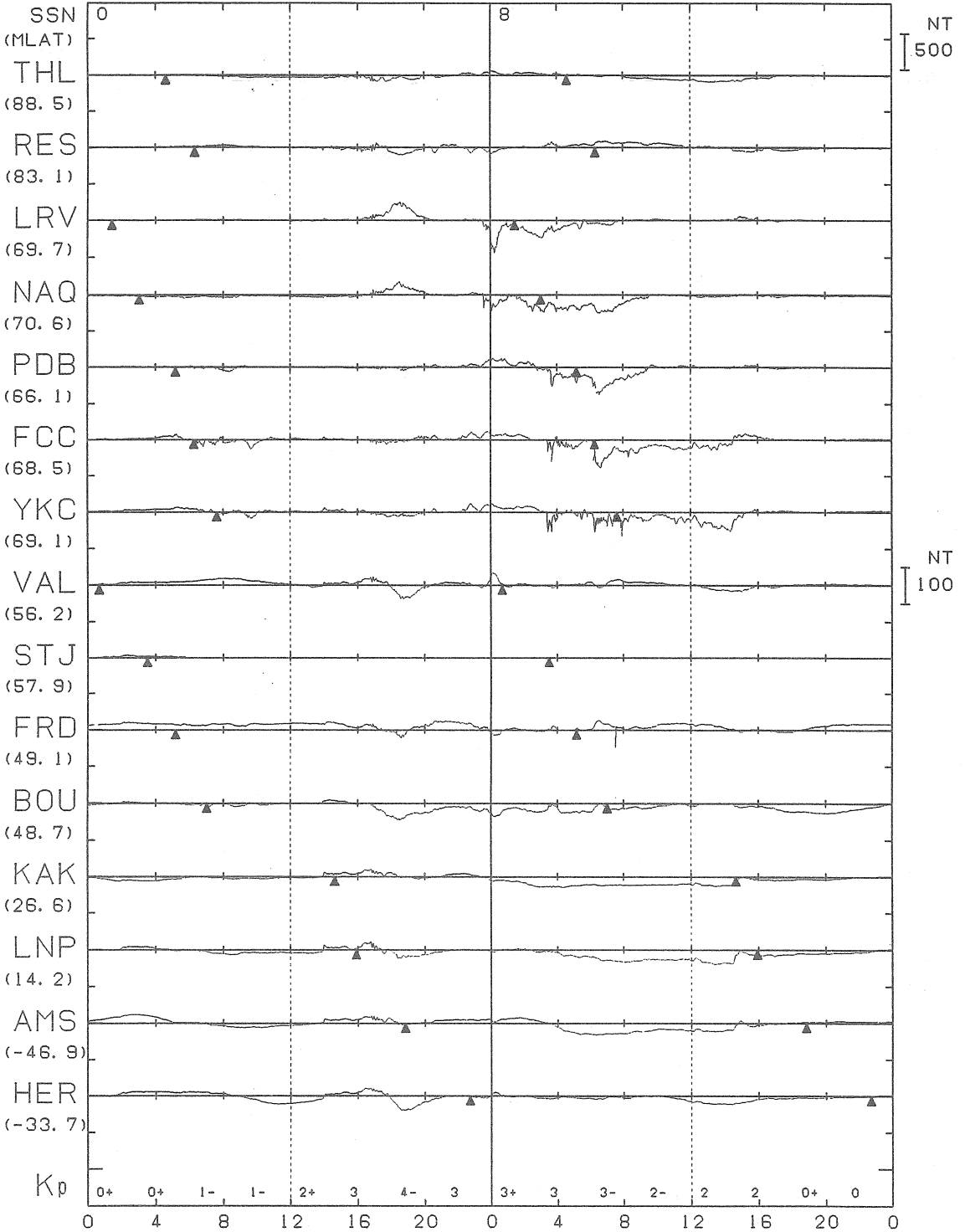


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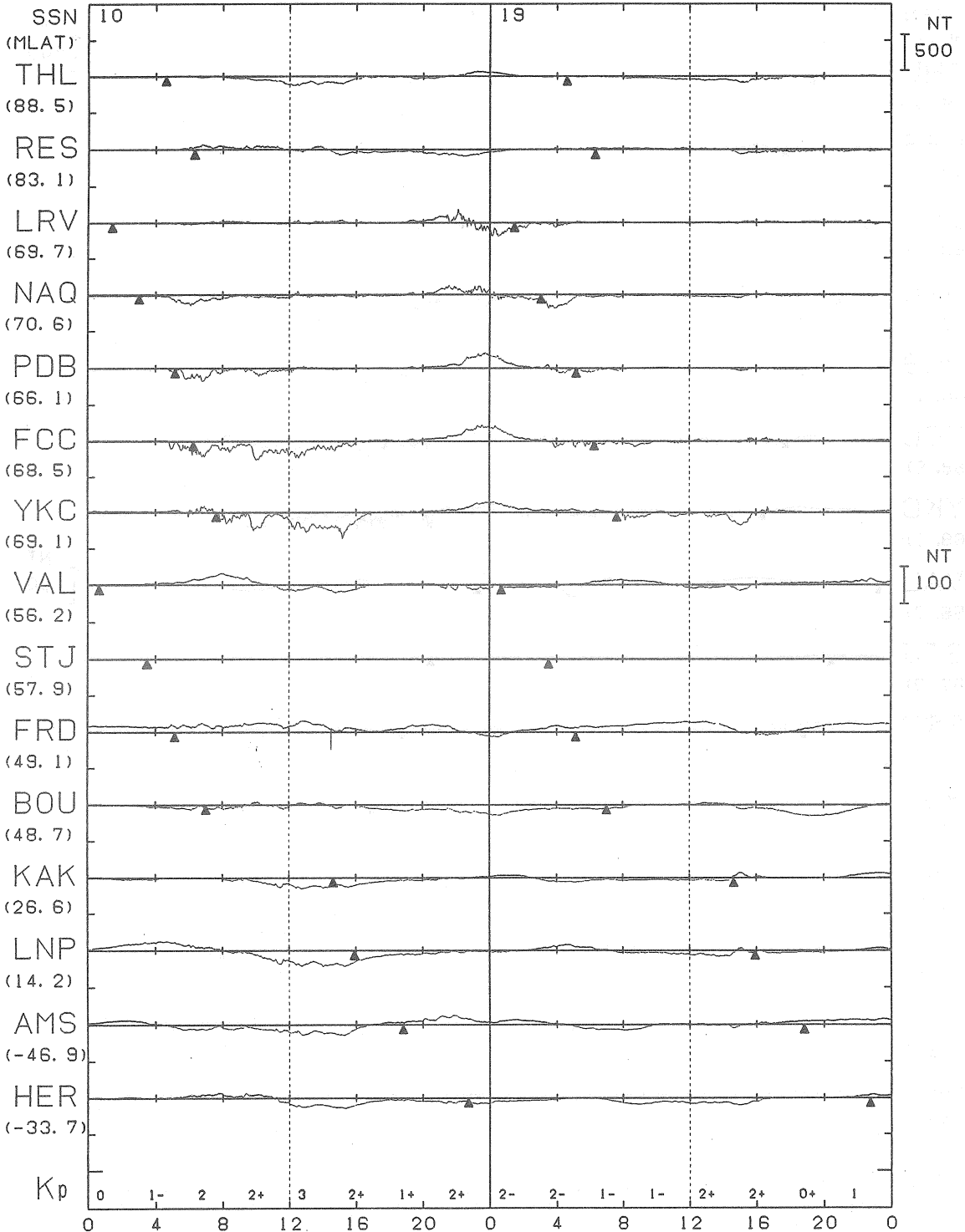
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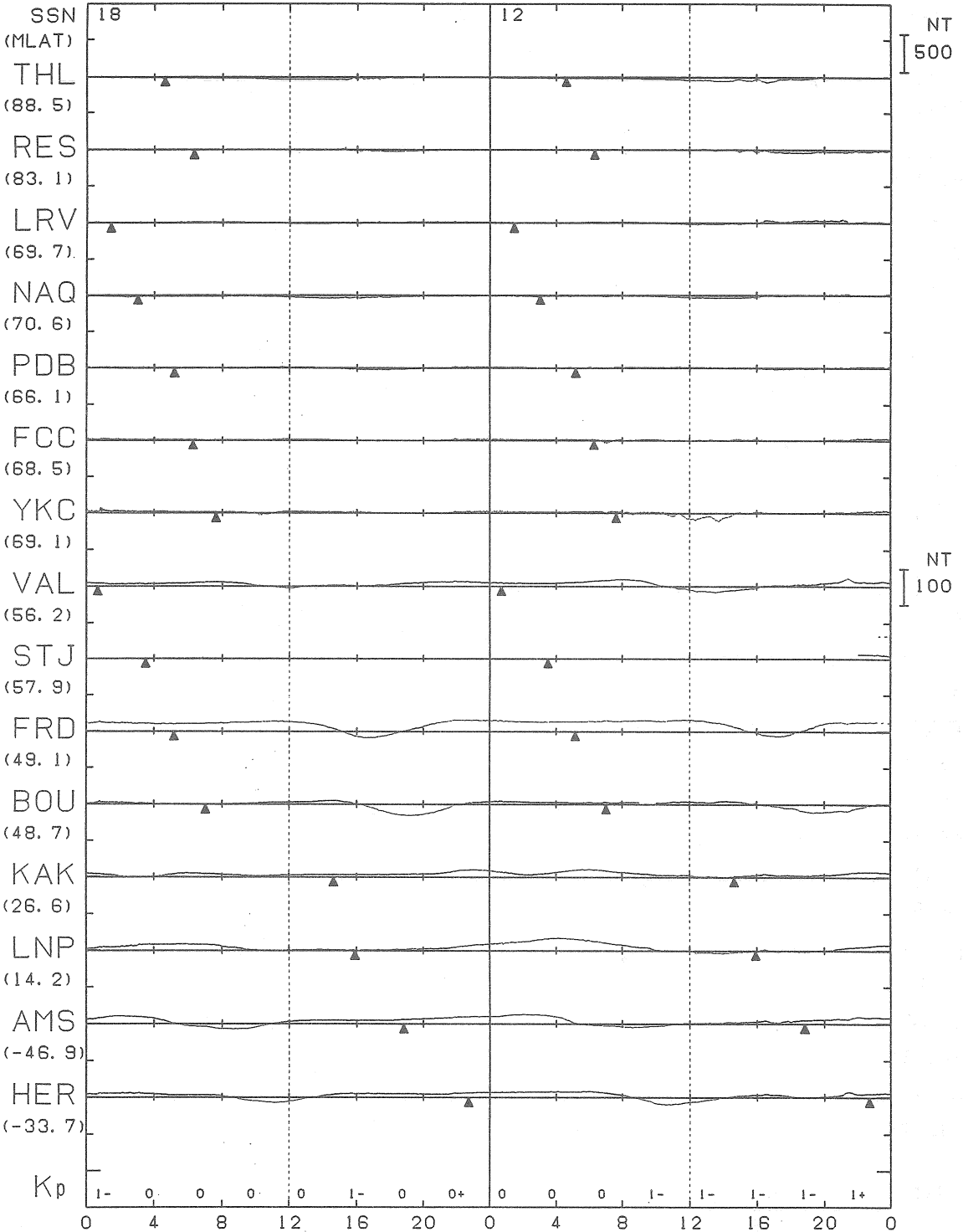


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# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



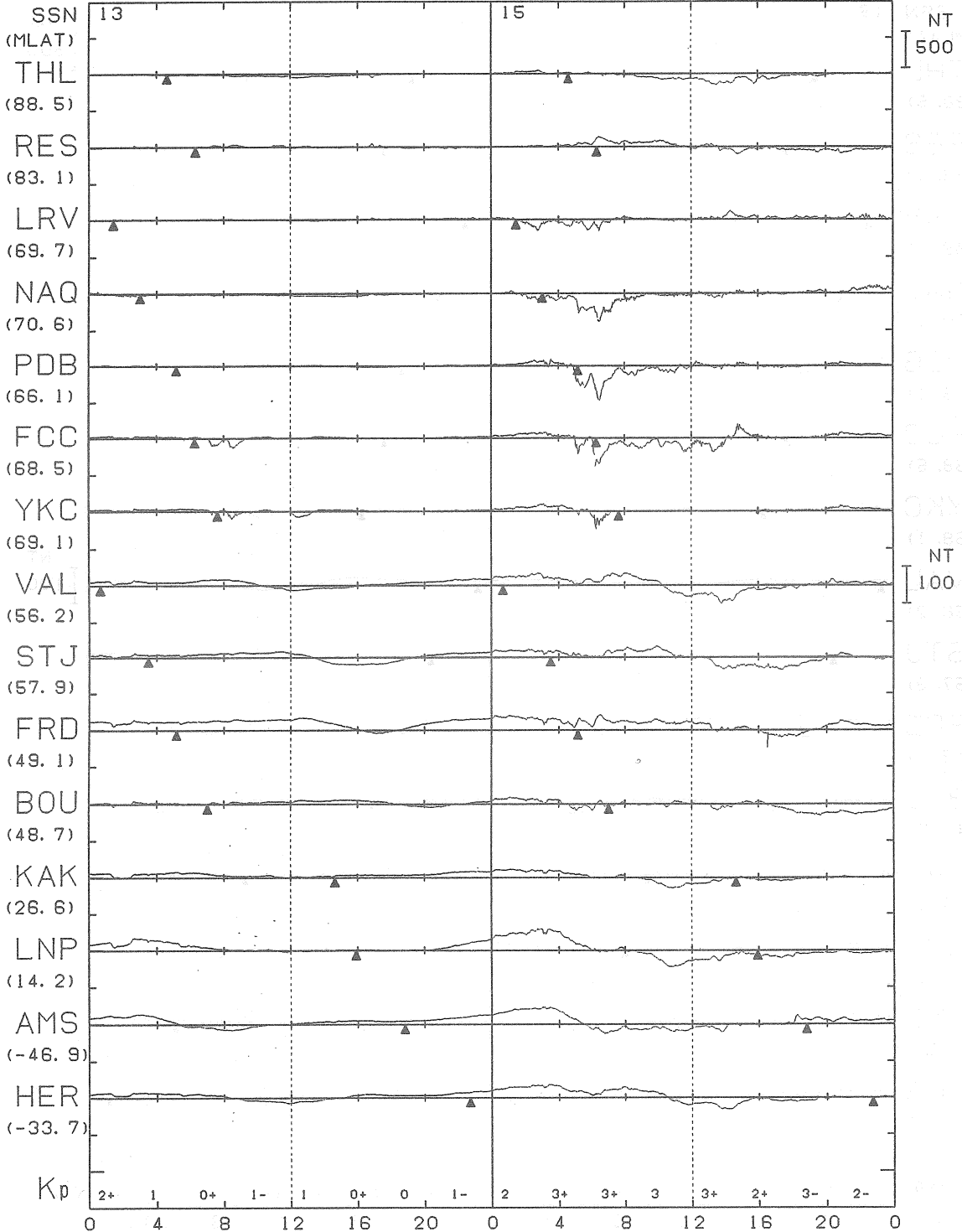
MAR 9  
(DAY 68)

MAR 10  
(DAY 69)

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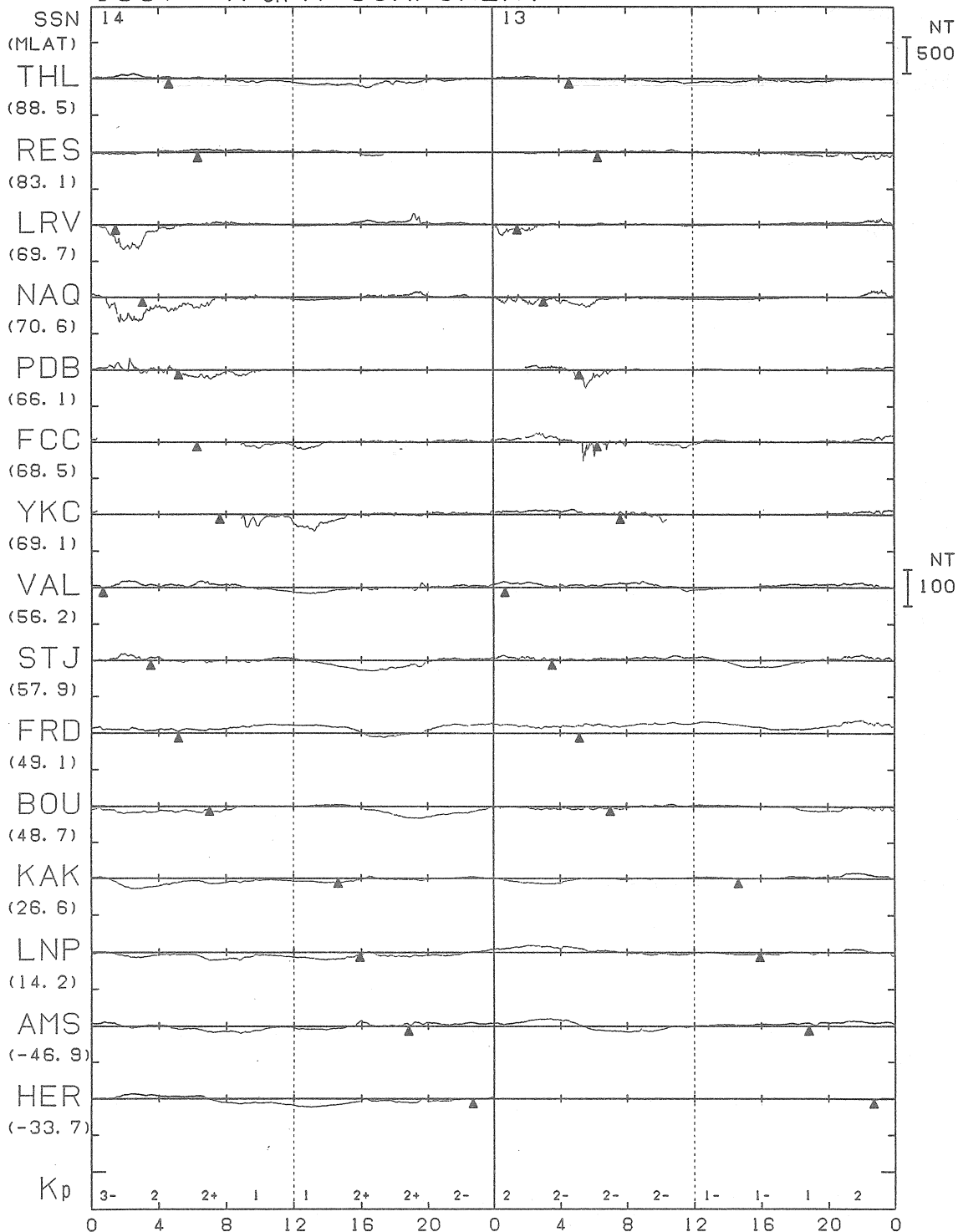


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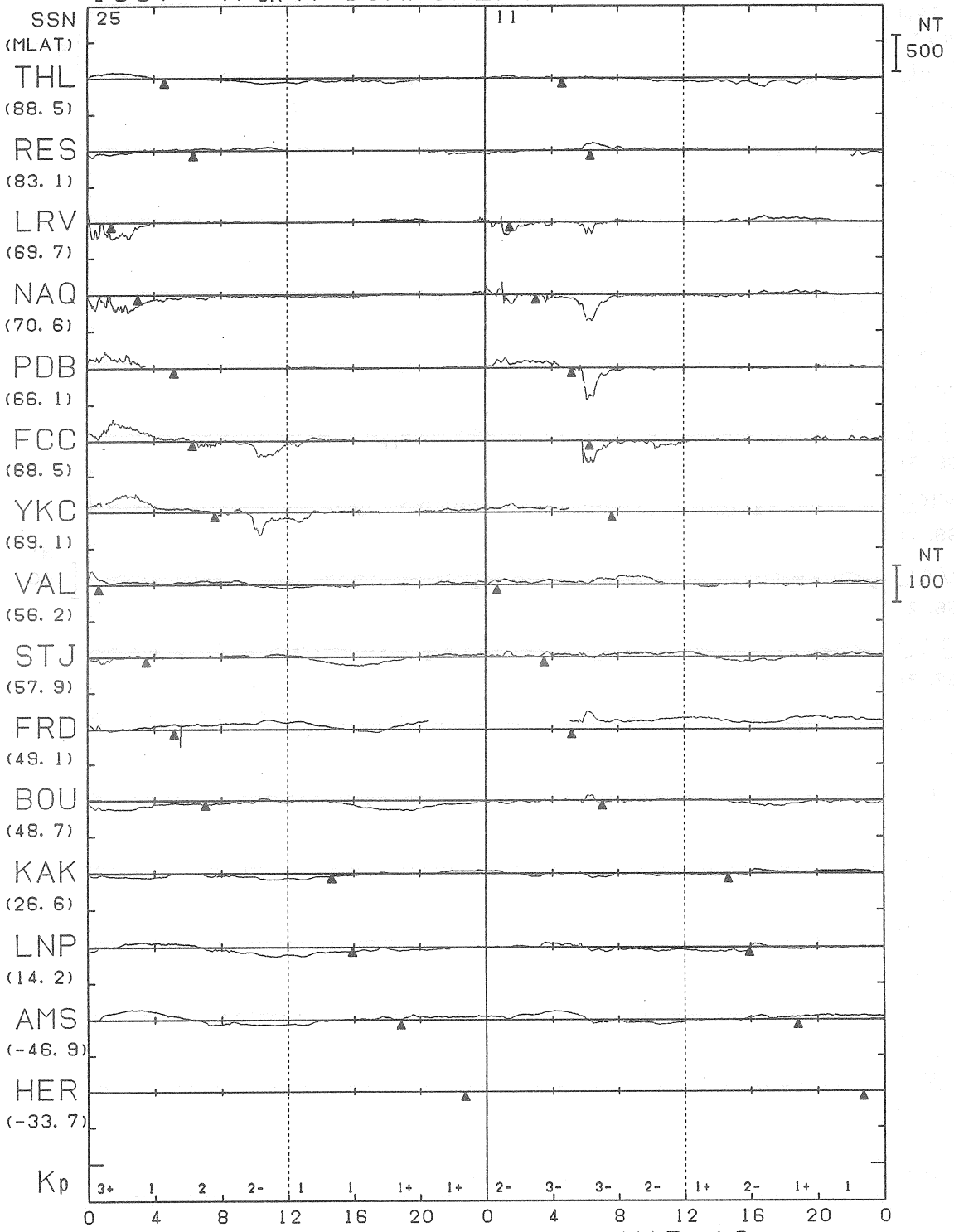
▲ : LOCAL MIDNIGHT



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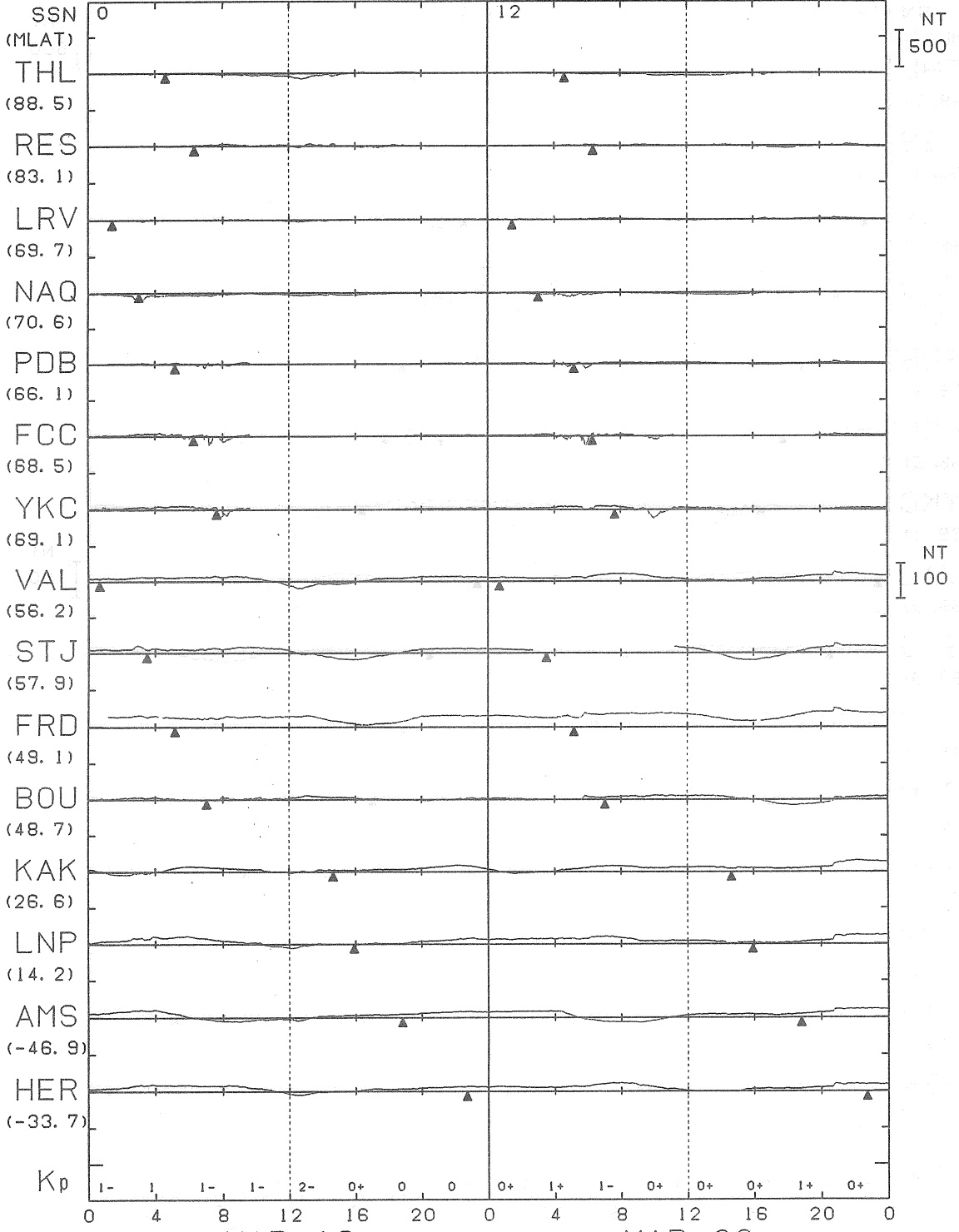
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KYOTO UNIV.





1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

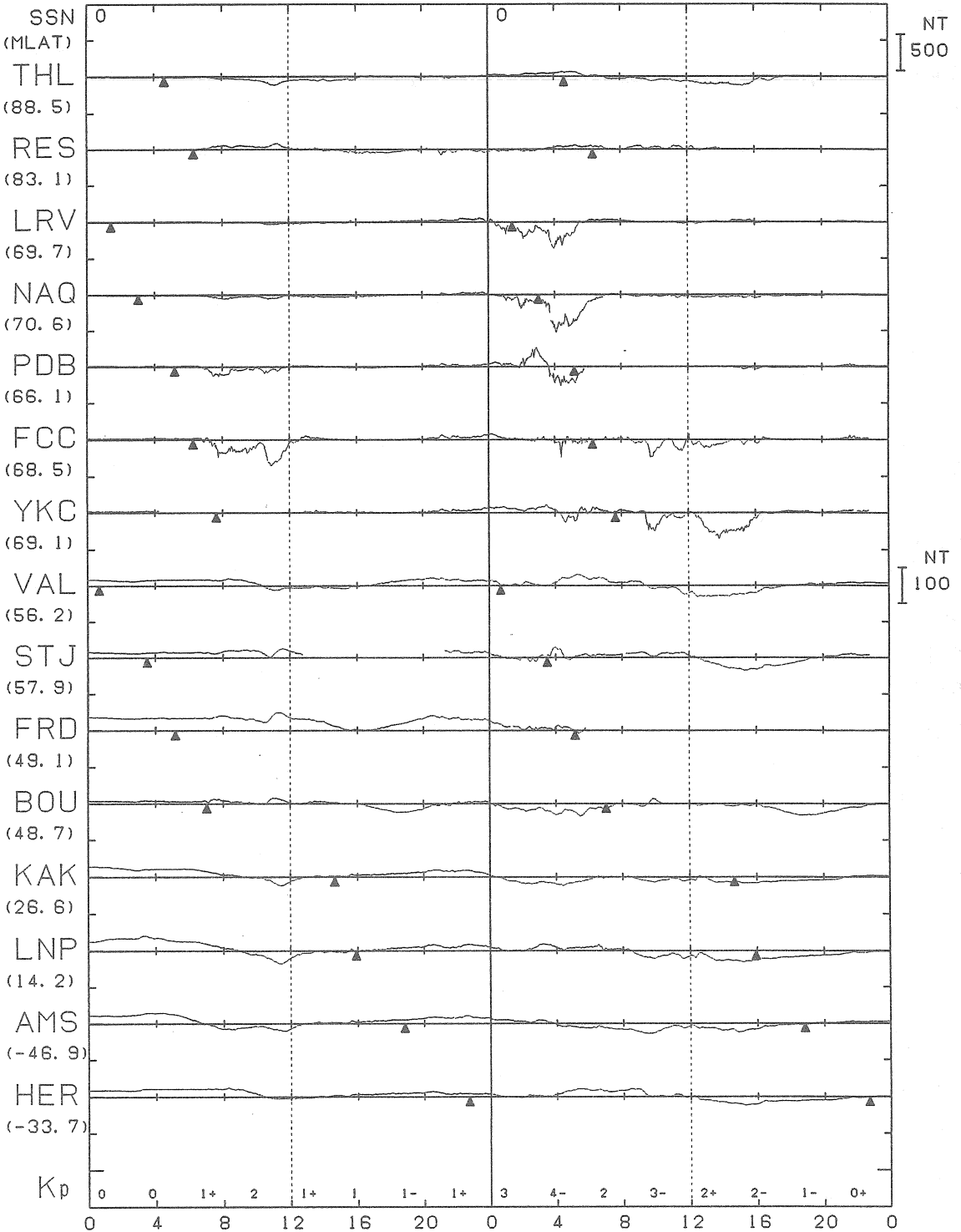


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



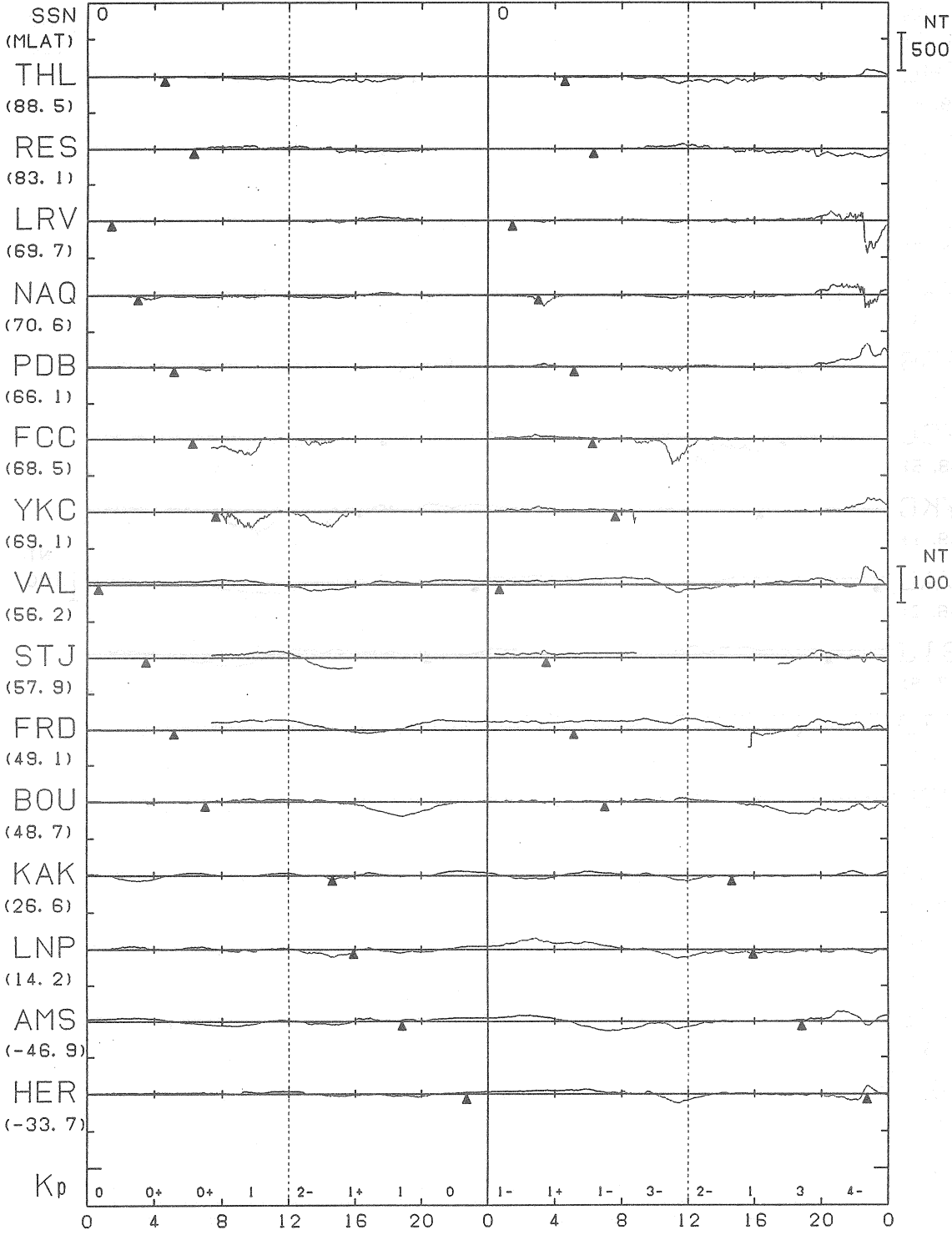
MAR 21  
(DAY 80)

MAR 22  
(DAY 81)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

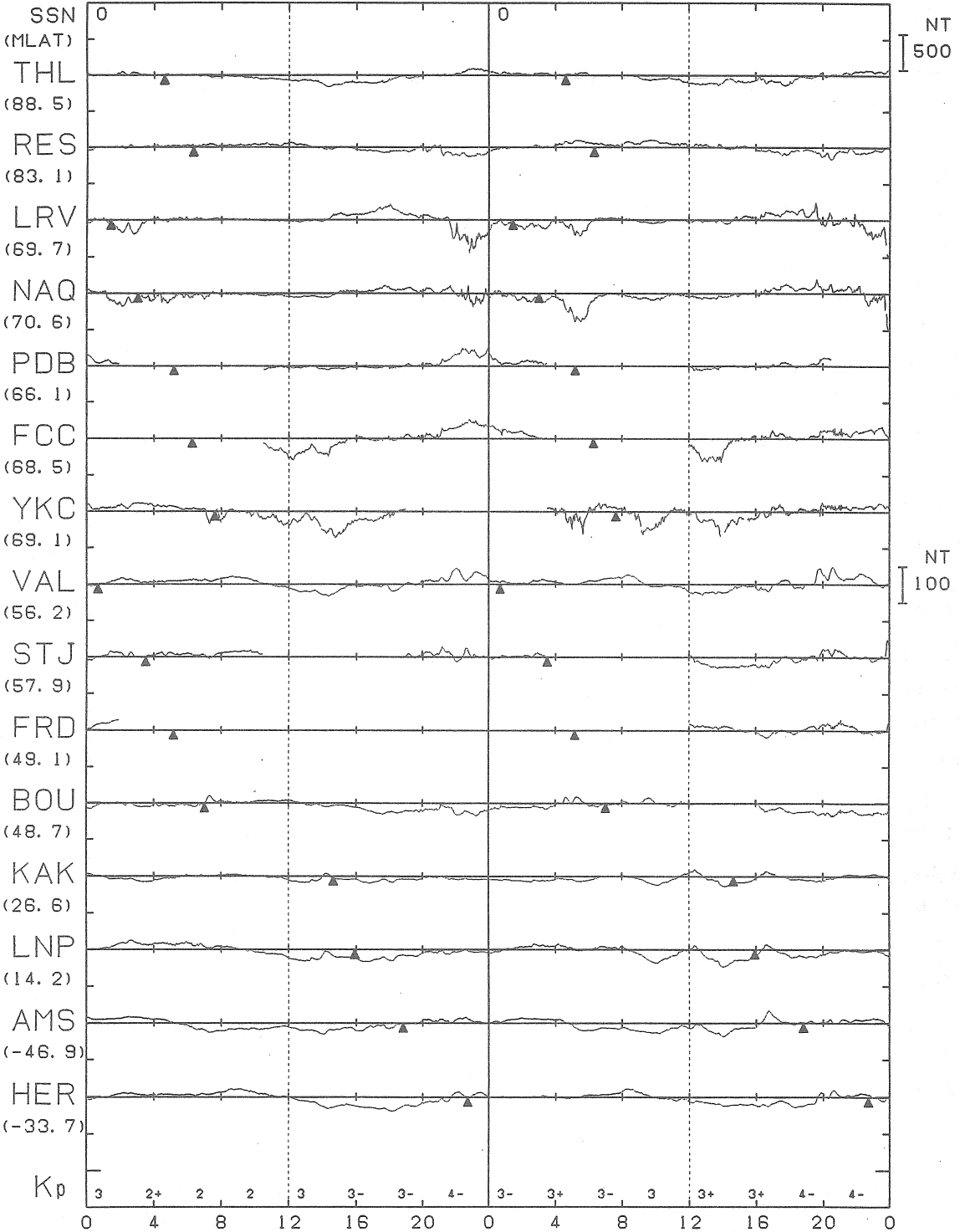


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

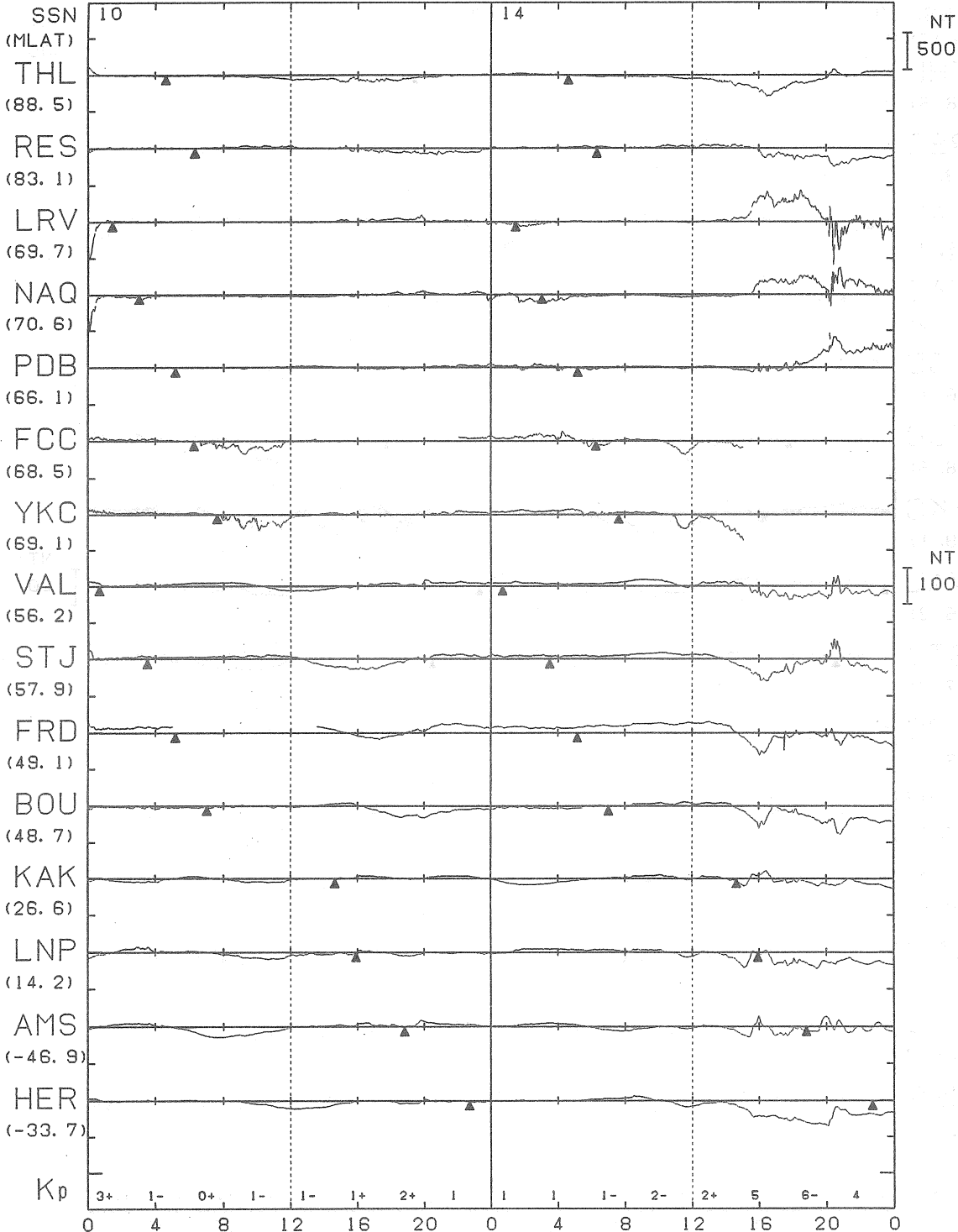
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT      ▲ : LOCAL MIDNIGHT

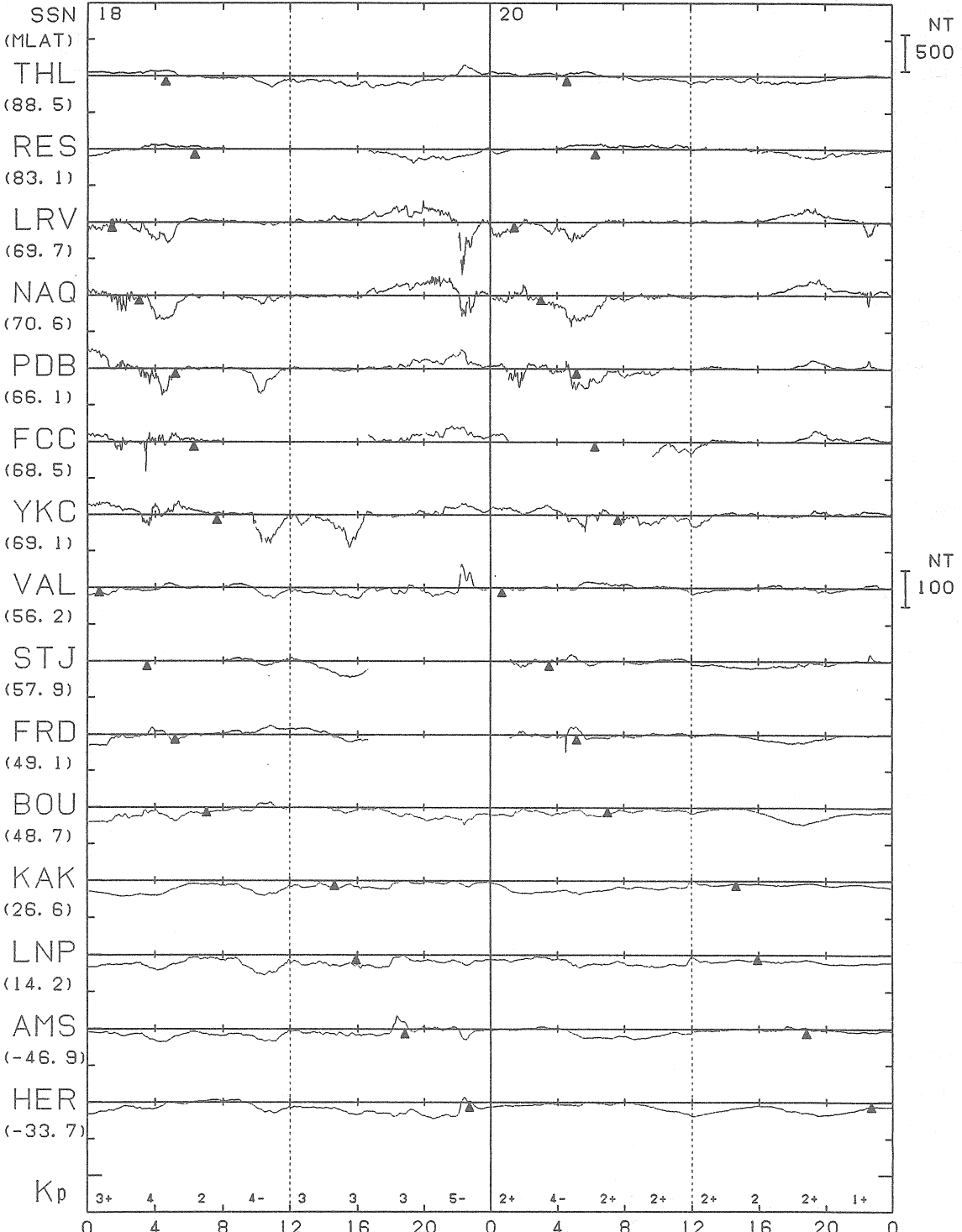


MAR 27 (DAY 86)      MAR 28 (DAY 87)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH  
 KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



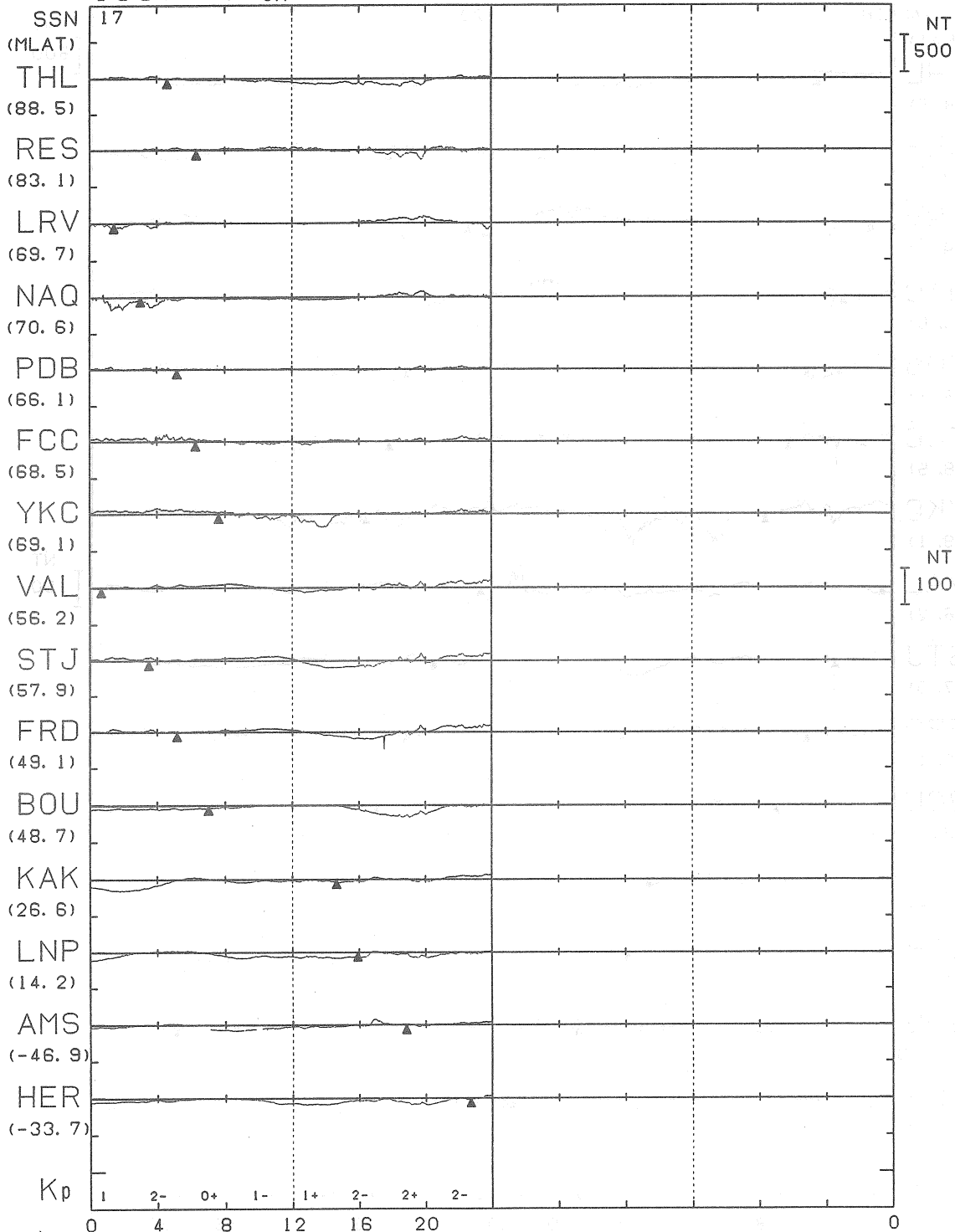
MAR 29  
(DAY 88)

MAR 30  
(DAY 89)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



MAR 31  
(DAY 90)

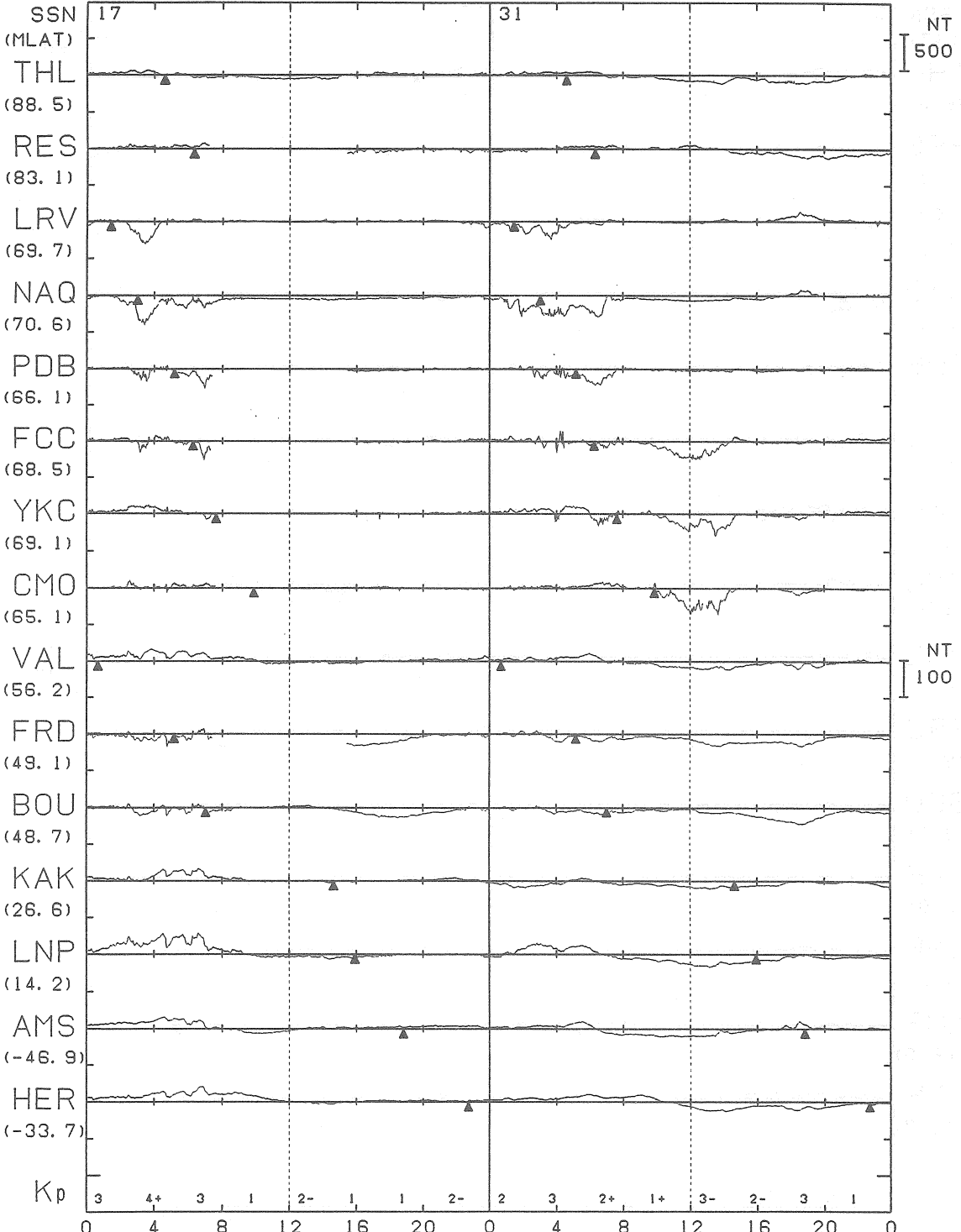
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

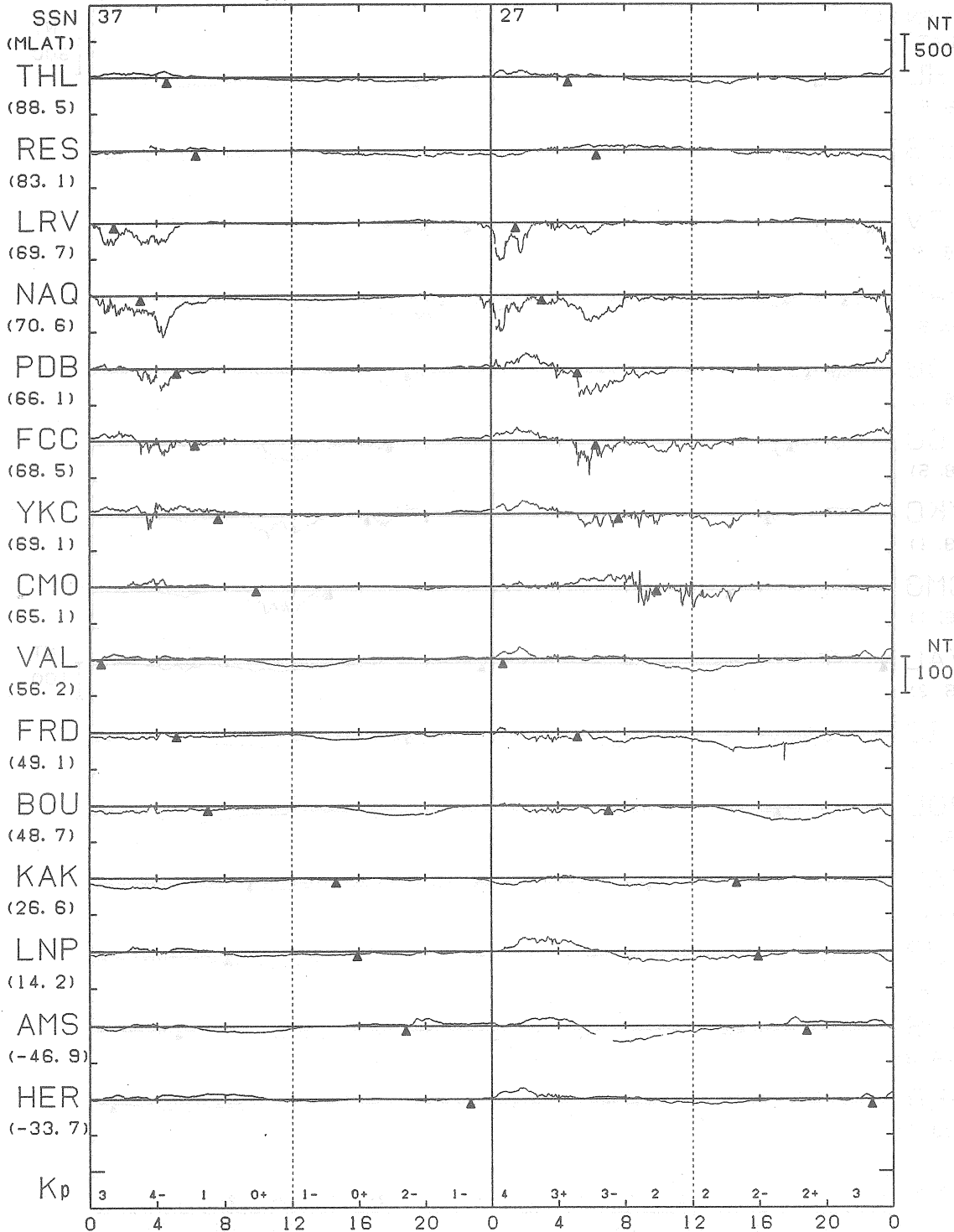
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



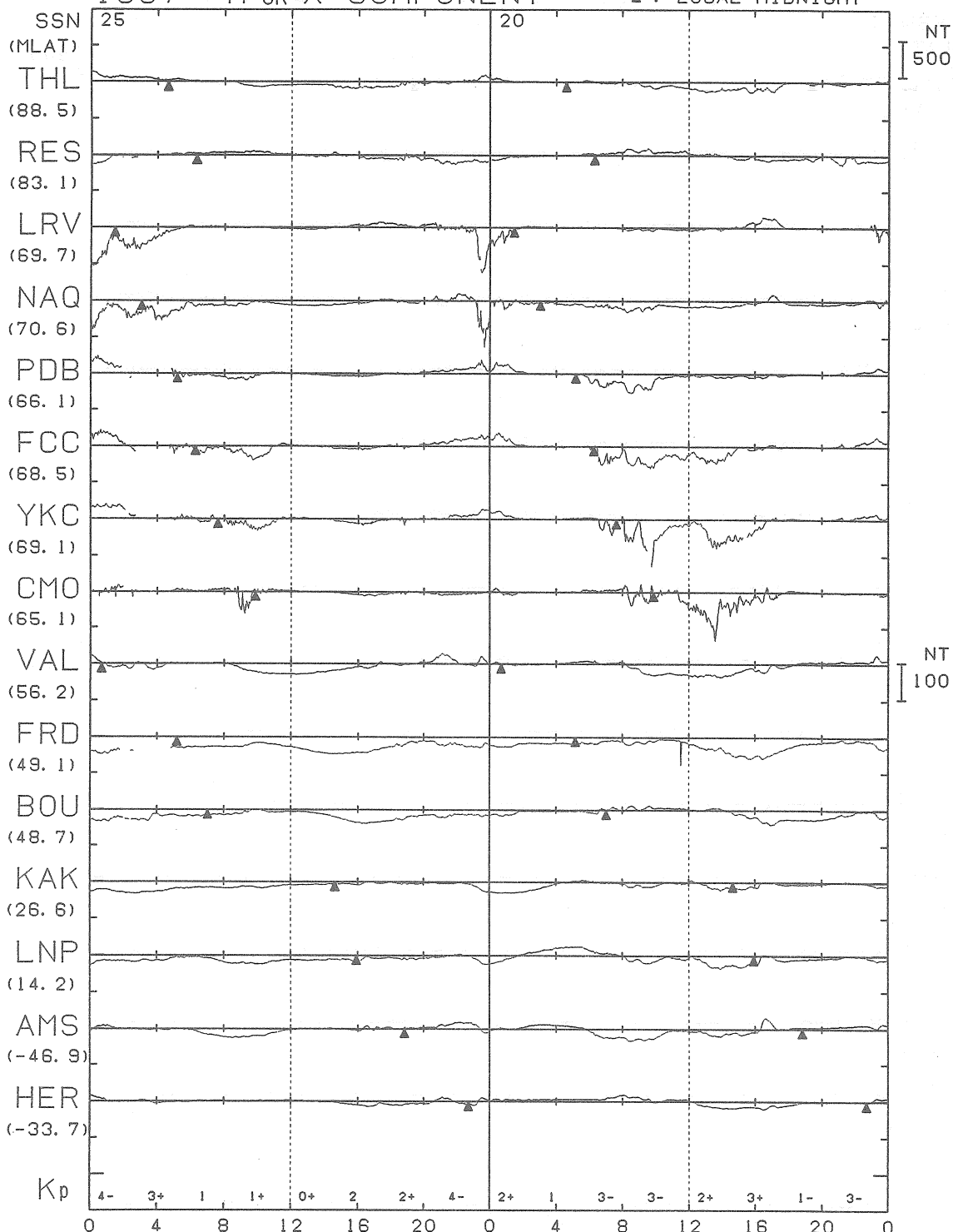
APR 3  
(DAY 93)

APR 4  
(DAY 94)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

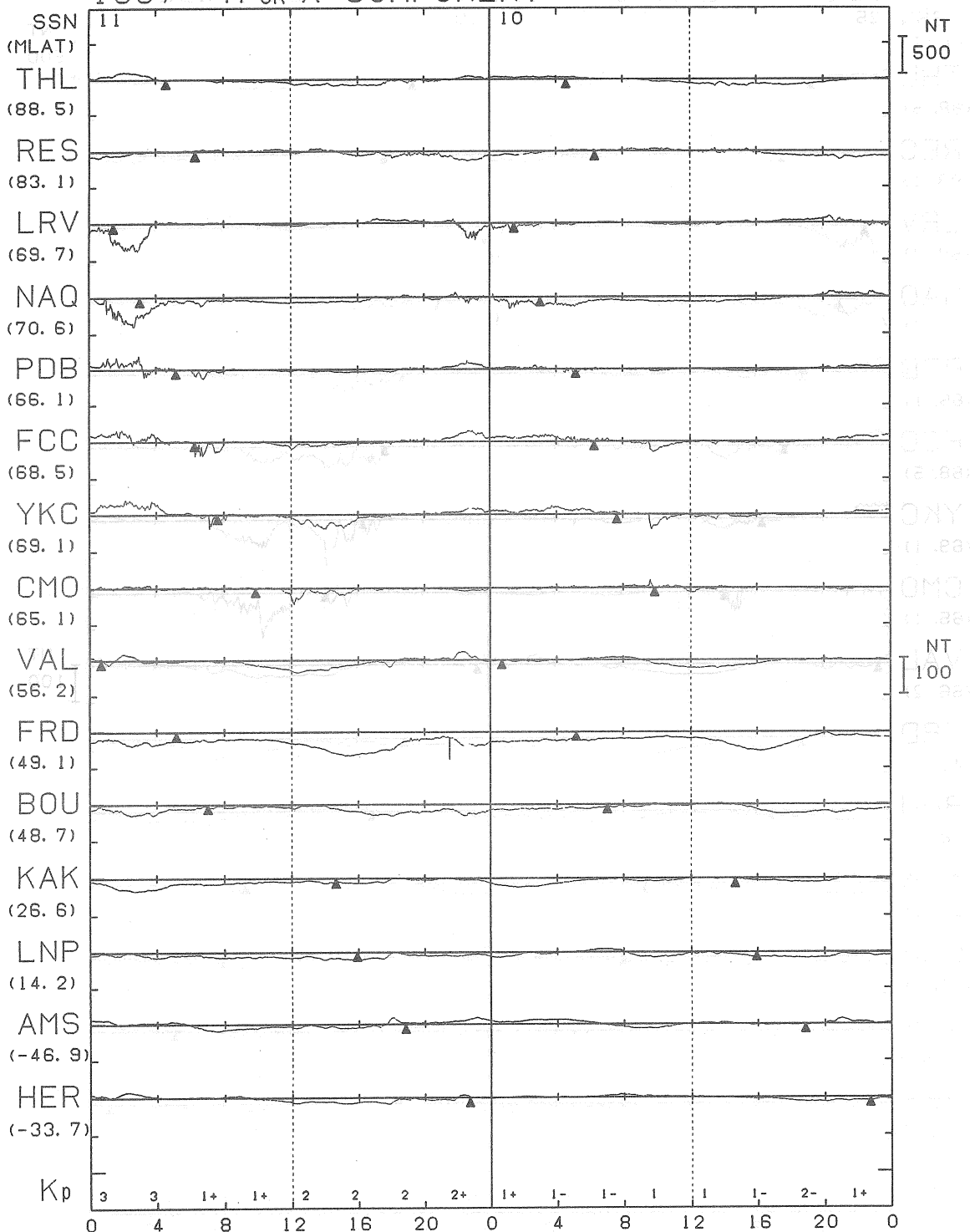
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

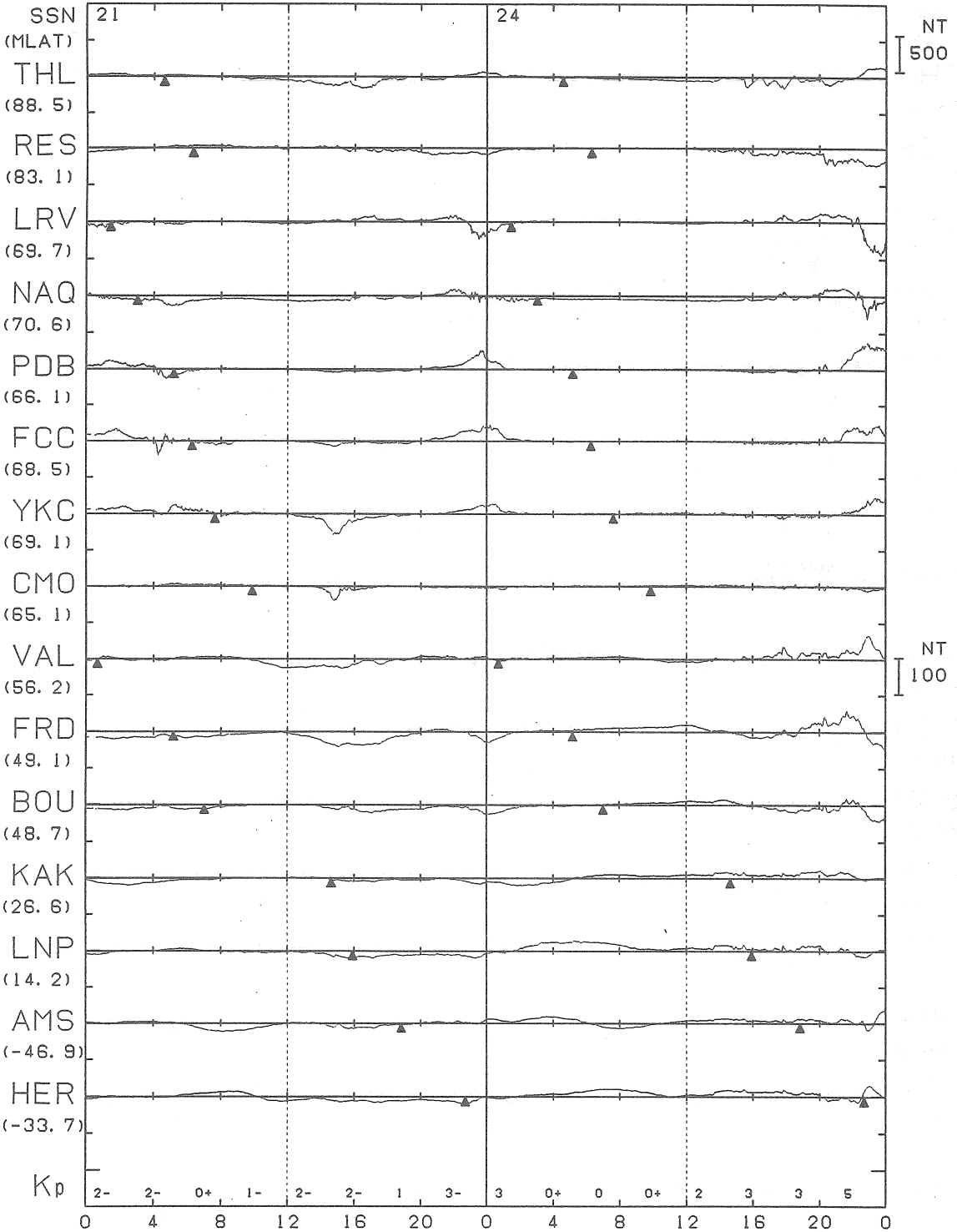


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

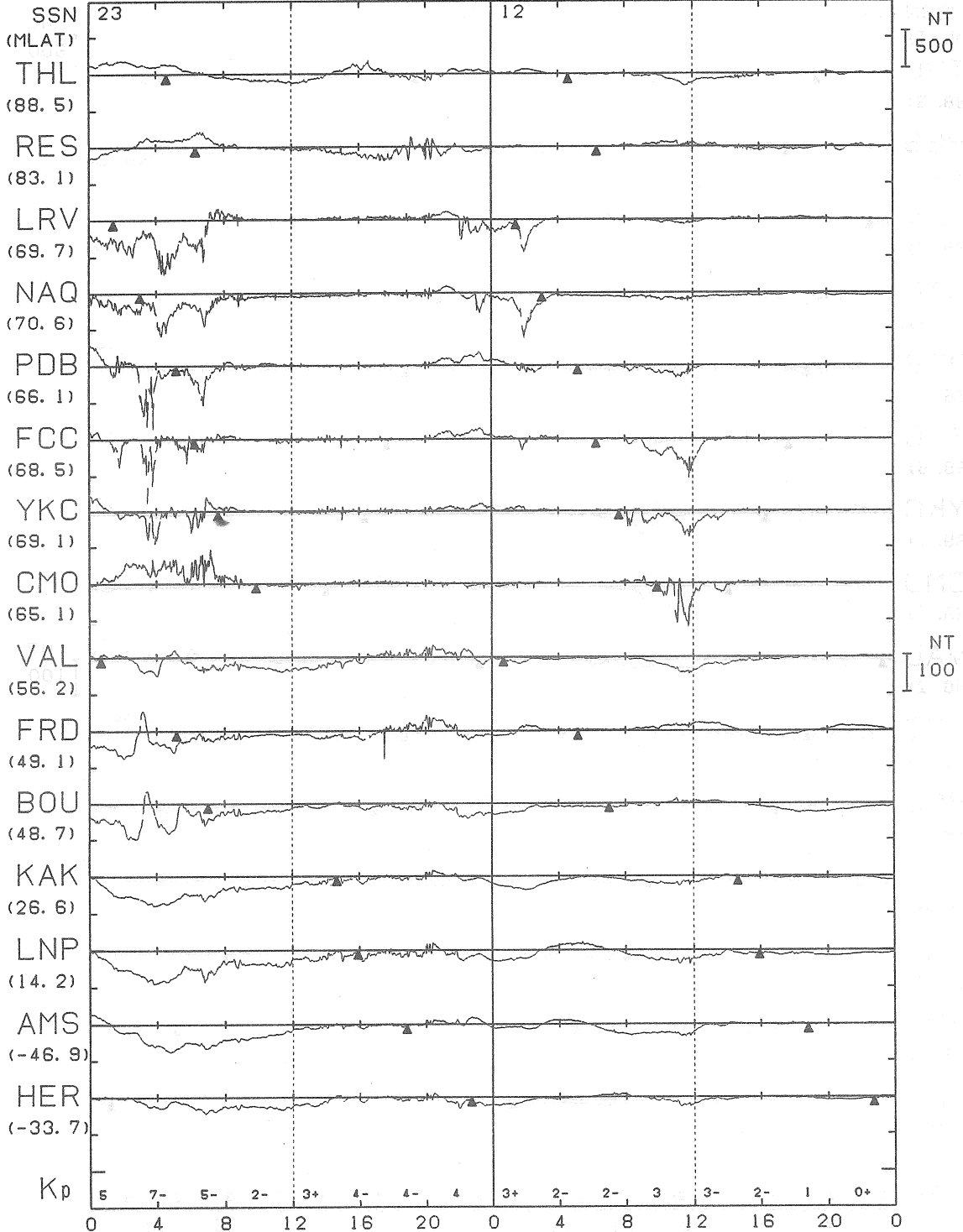
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲: LOCAL MIDNIGHT



APR 11  
(DAY 101)

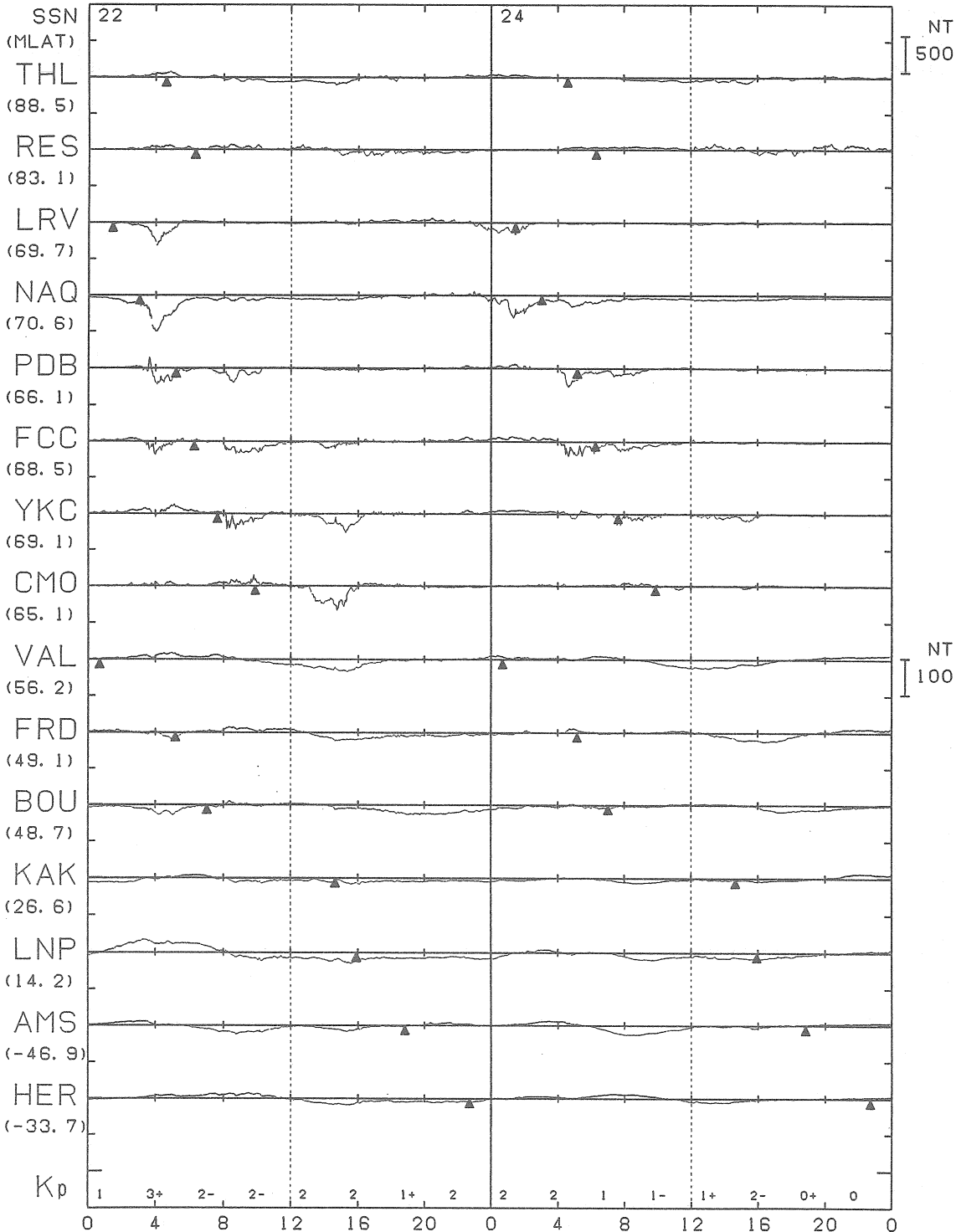
APR 12  
(DAY 102)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

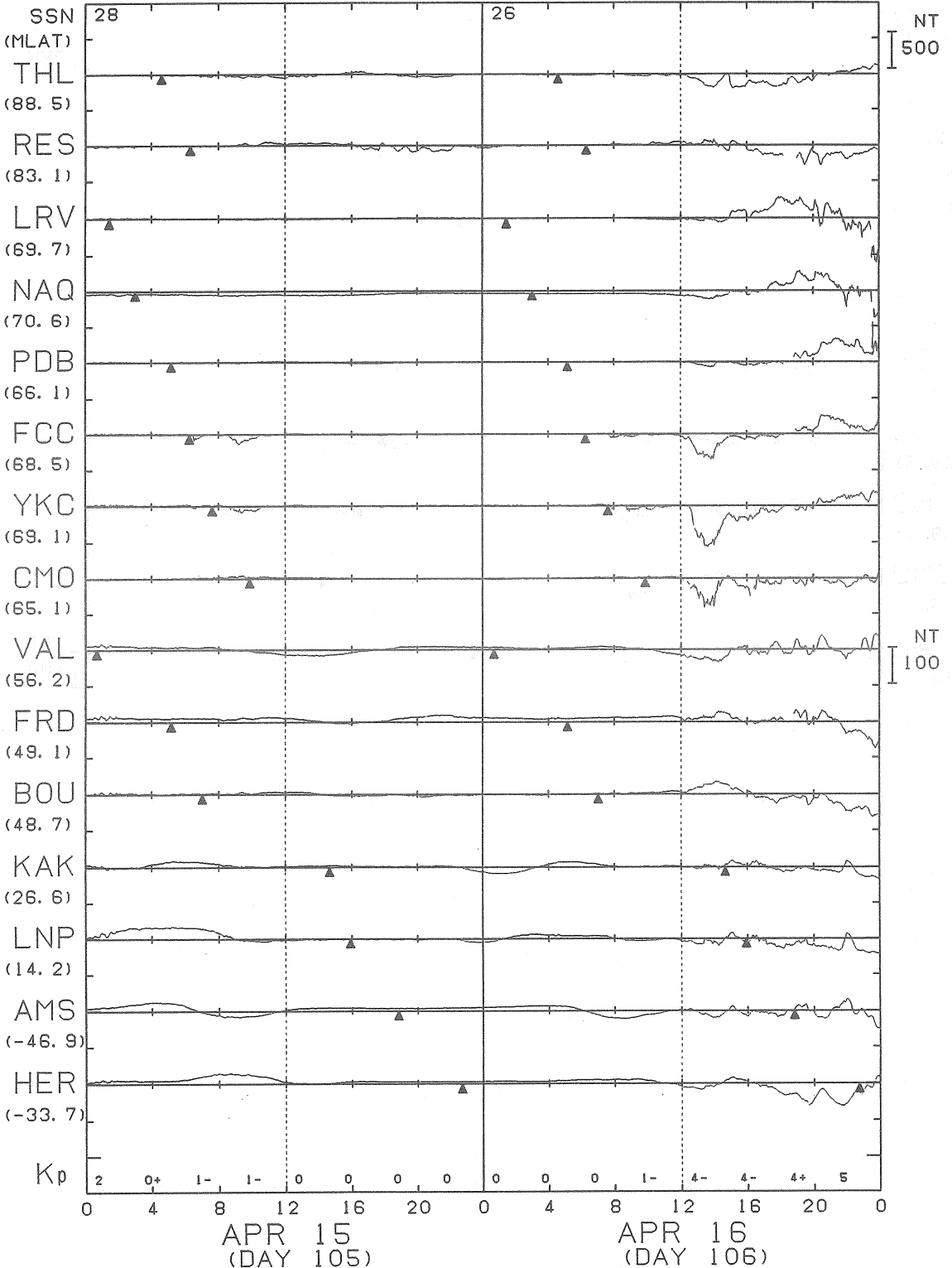


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



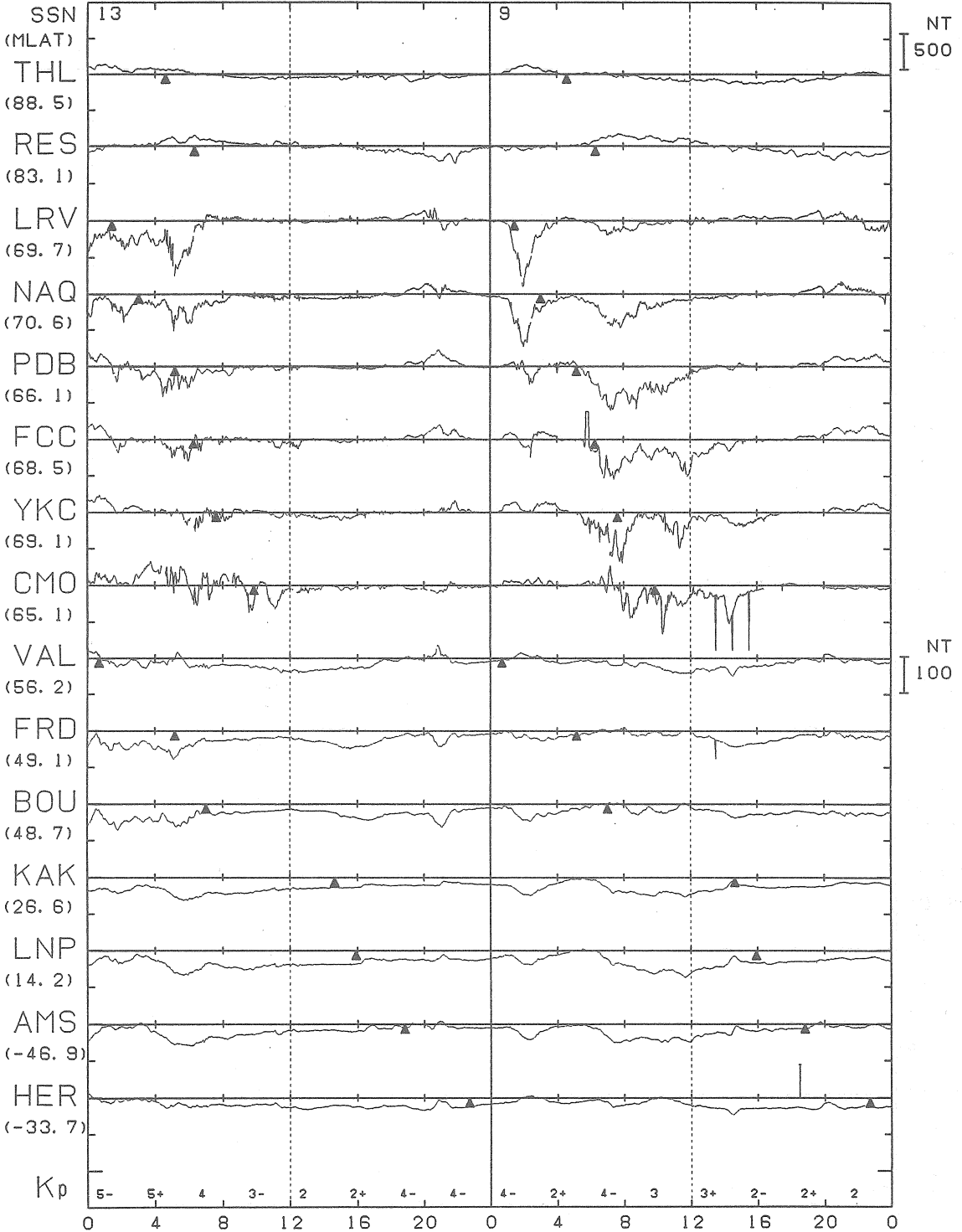
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



APR 17  
(DAY 107)

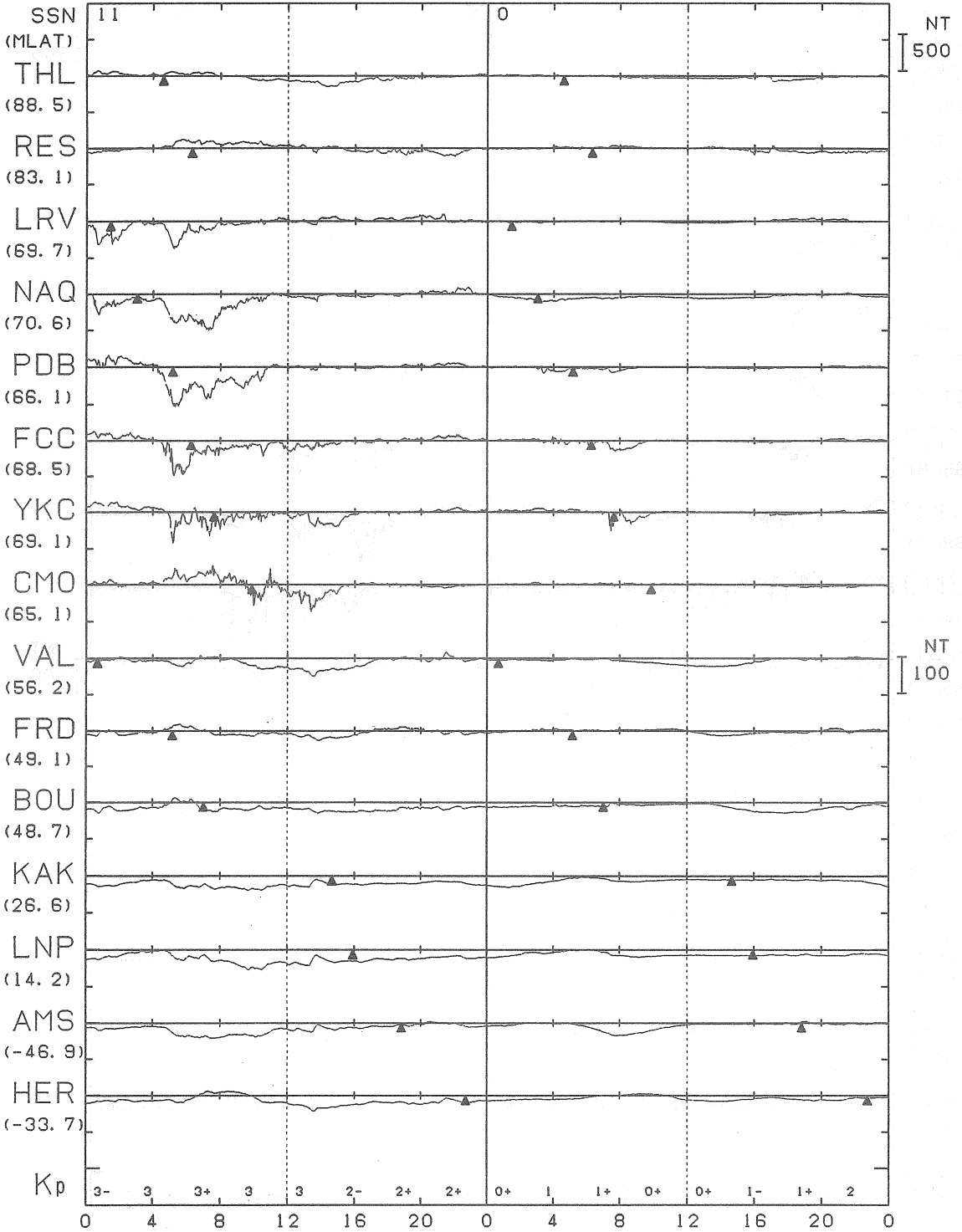
APR 18  
(DAY 108)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

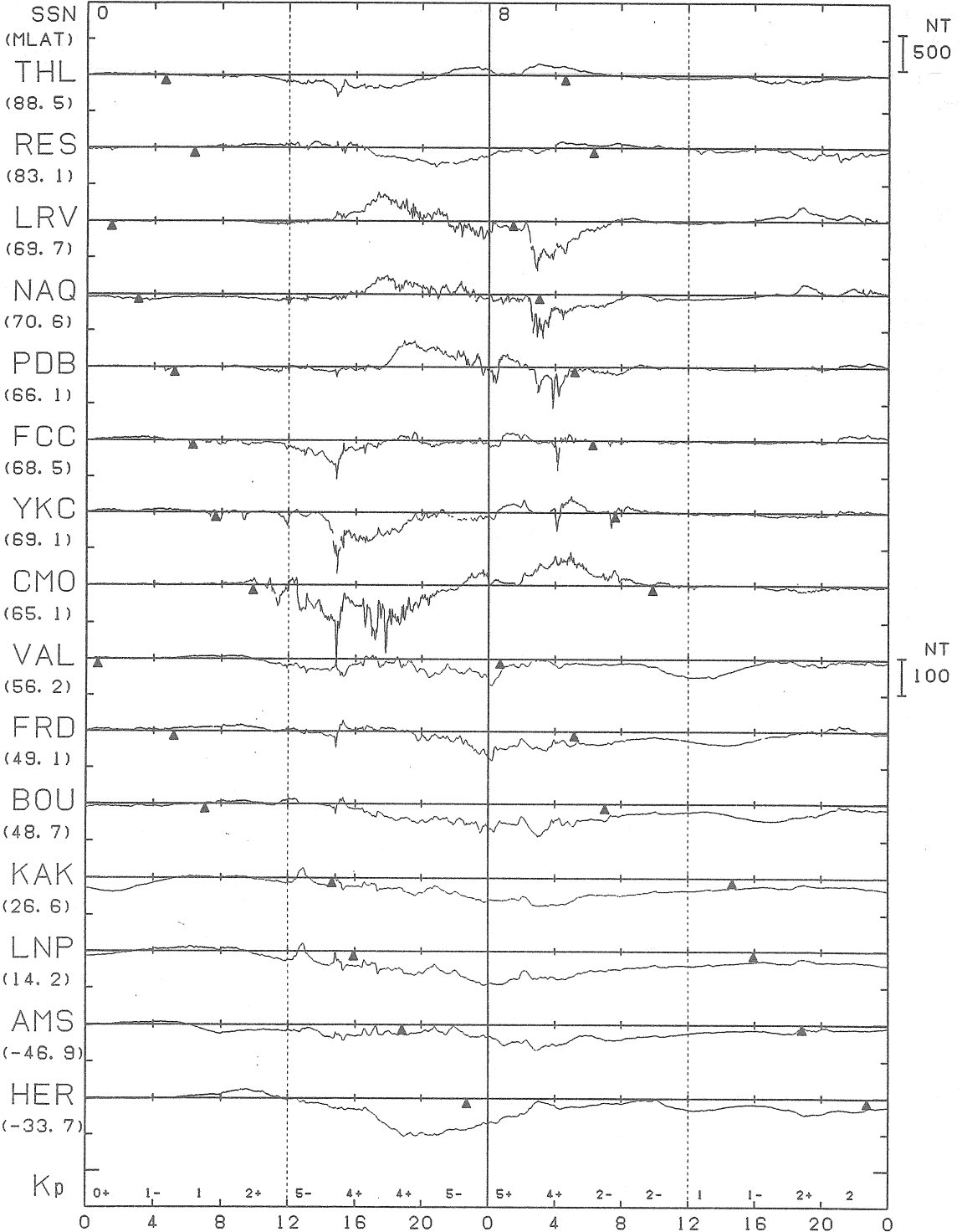
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

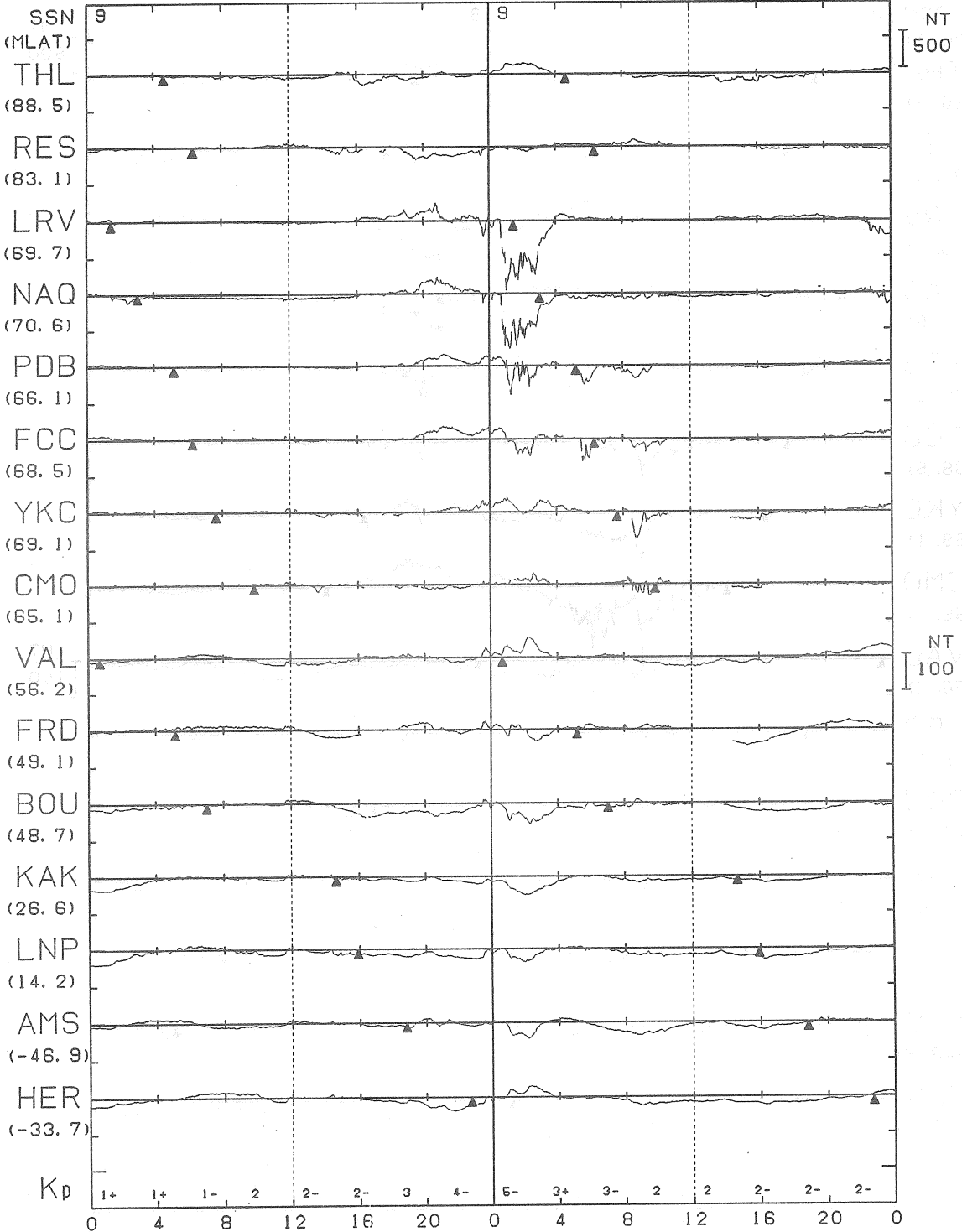


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

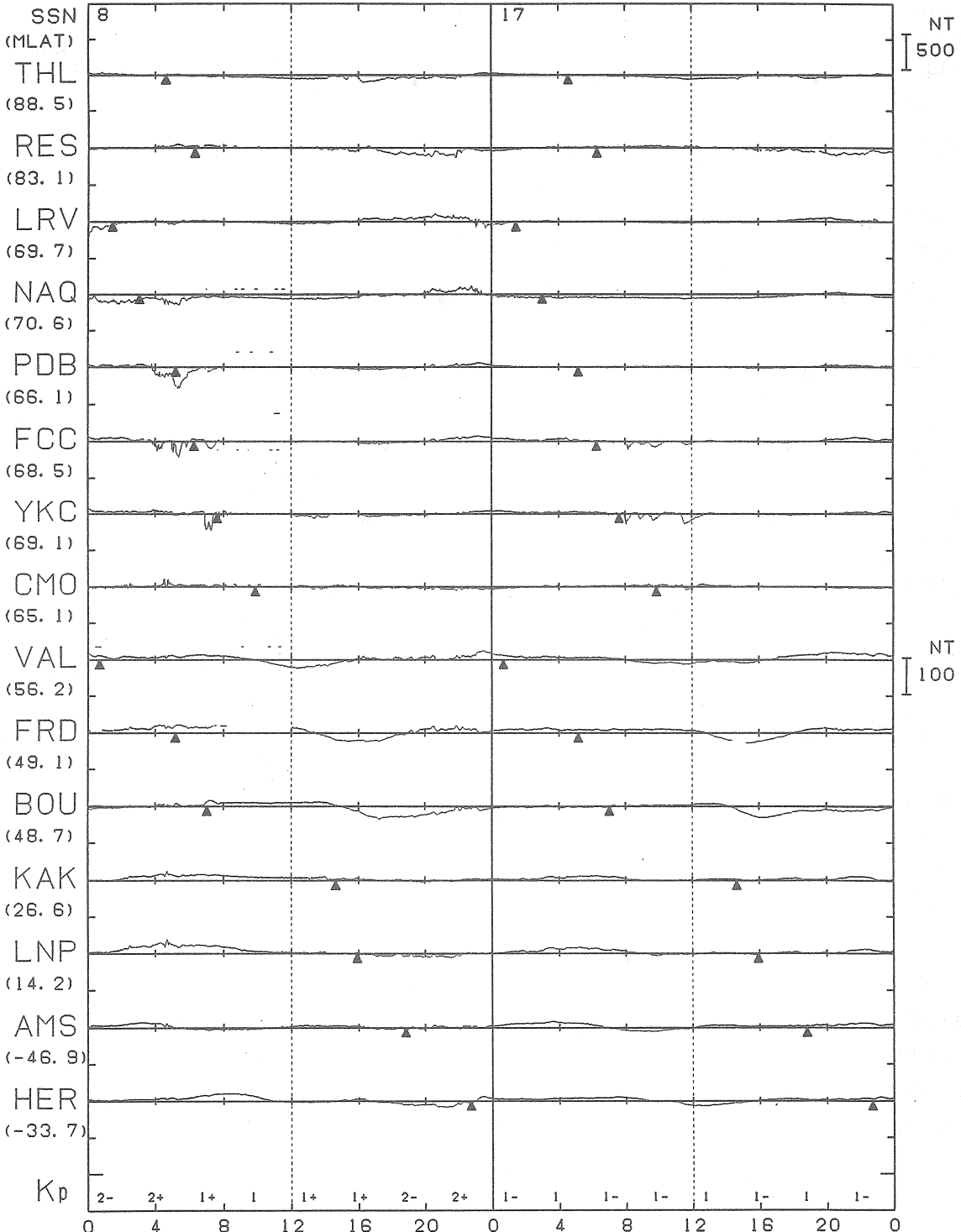
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT      ▲ : LOCAL MIDNIGHT



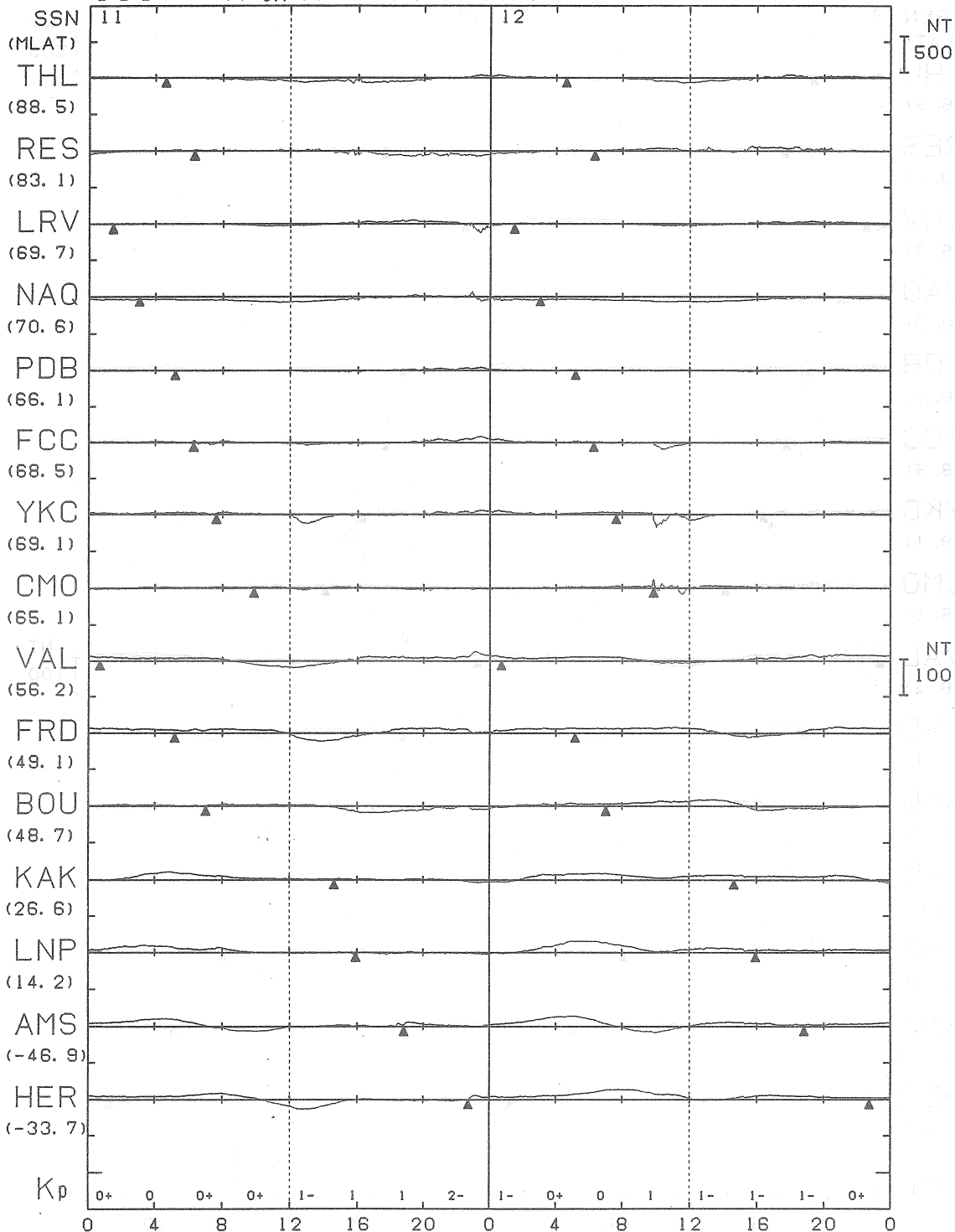
APR 25  
(DAY 115)

APR 26  
(DAY 116)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT

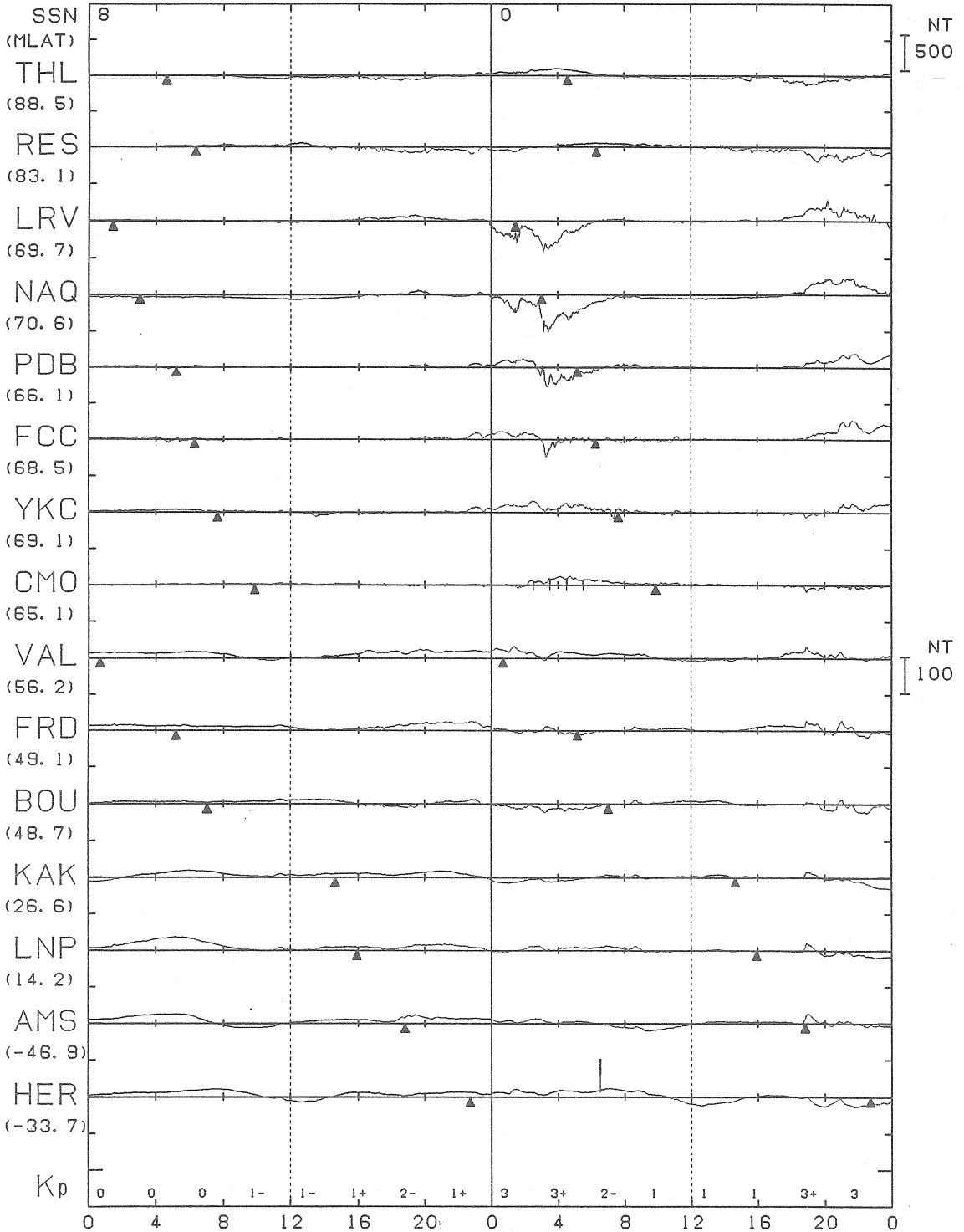


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

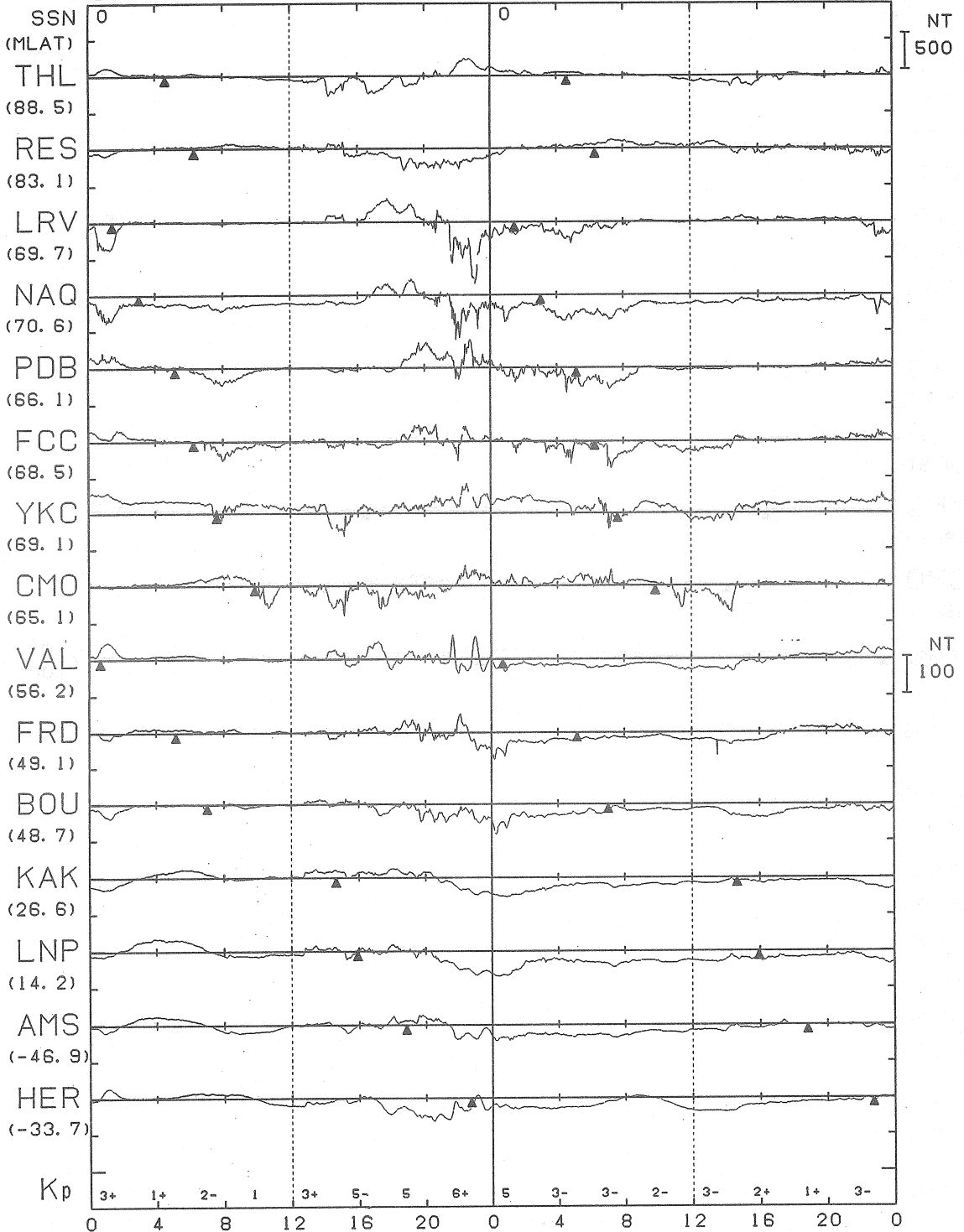


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



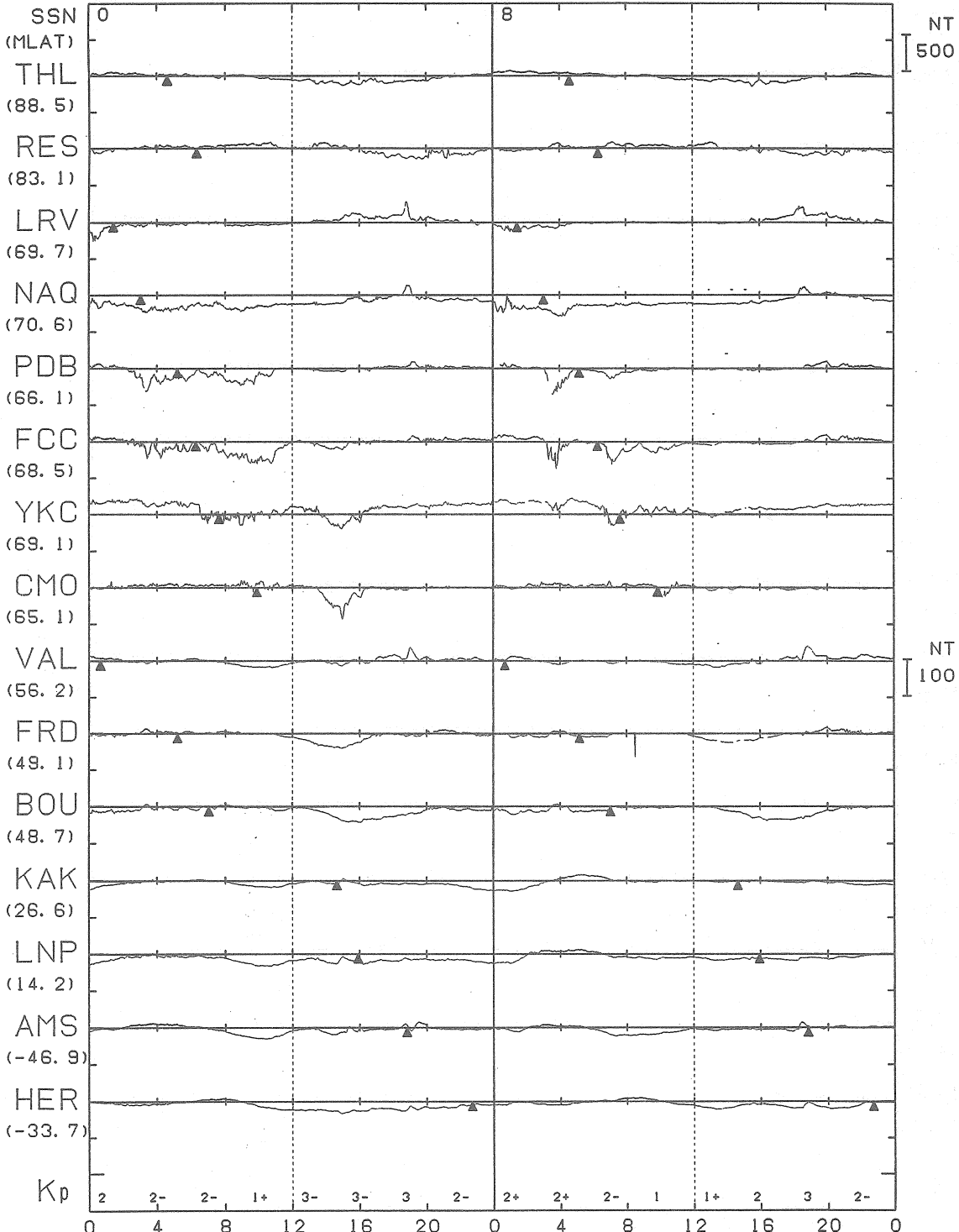
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



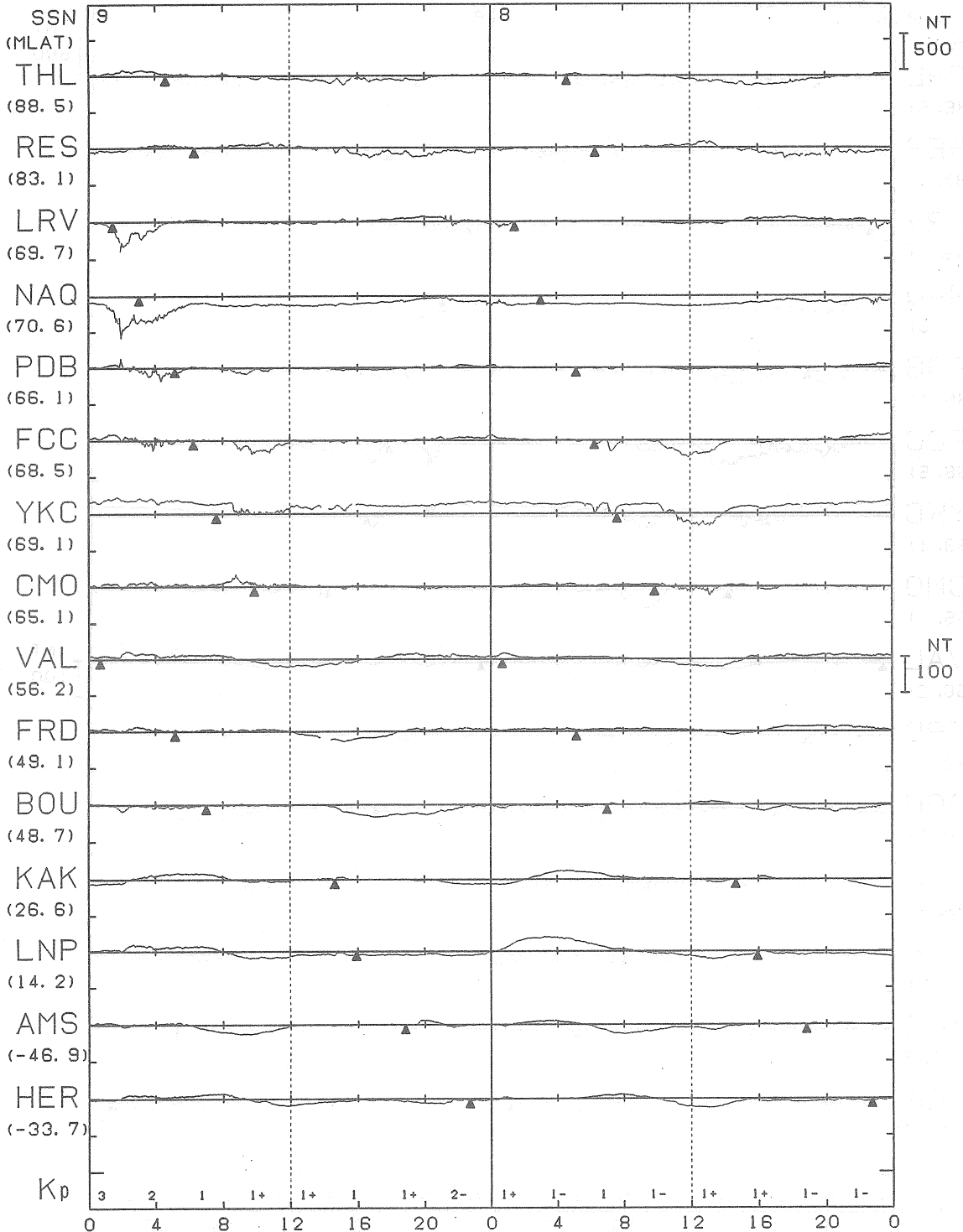
MAY 3  
(DAY 123)

MAY 4  
(DAY 124)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

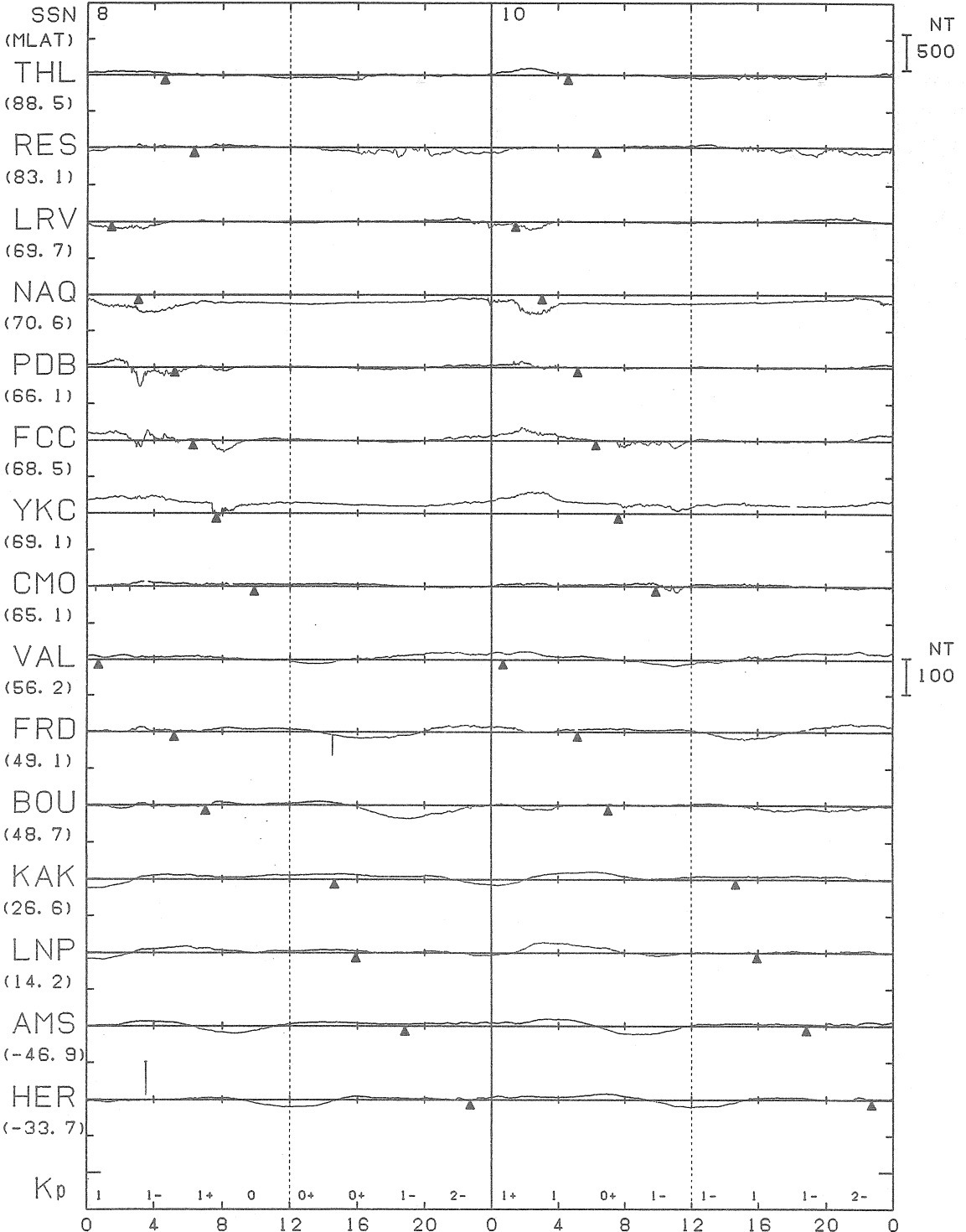


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



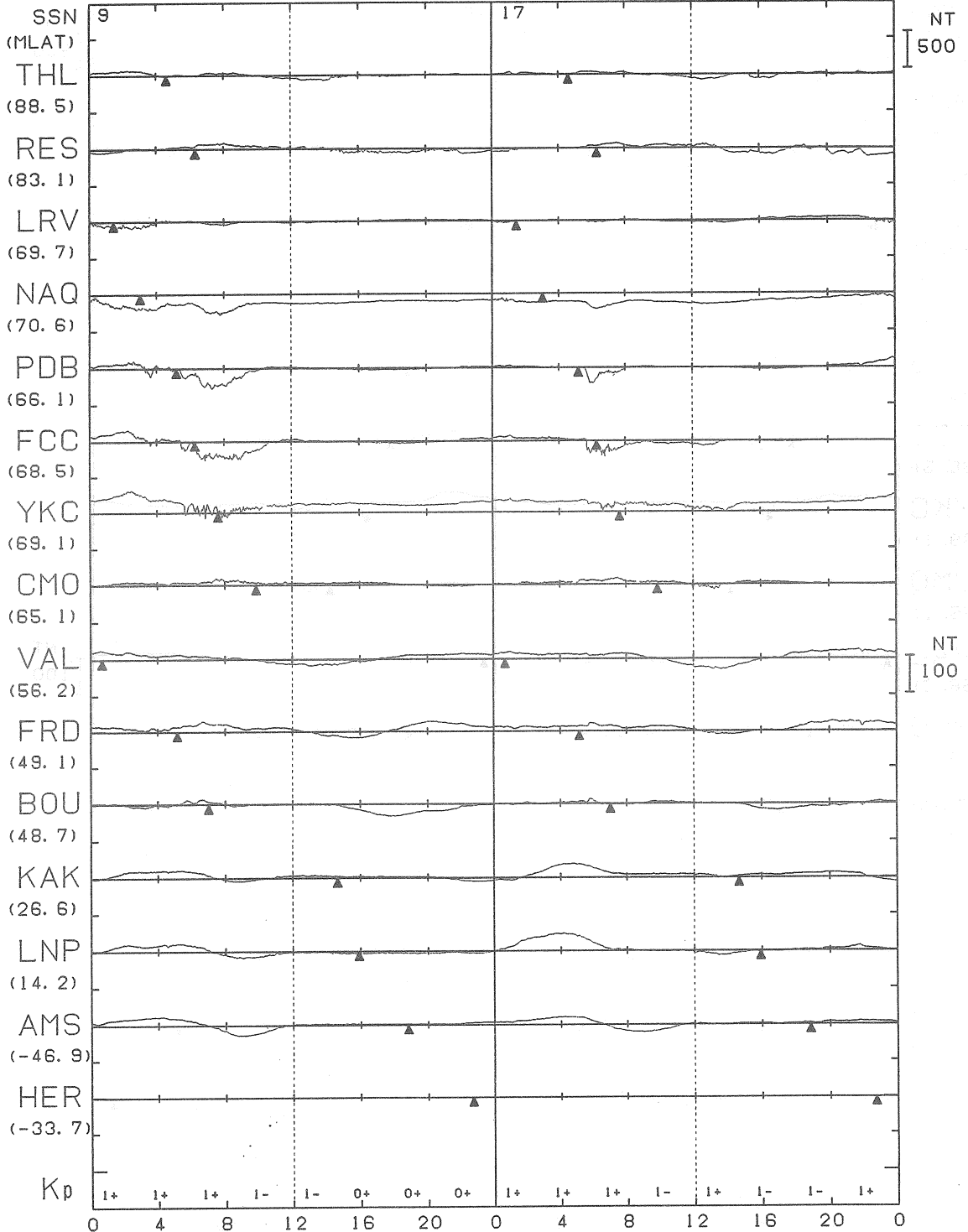
MAY 7  
(DAY 127)

MAY 8  
(DAY 128)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT   : LOCAL MIDNIGHT

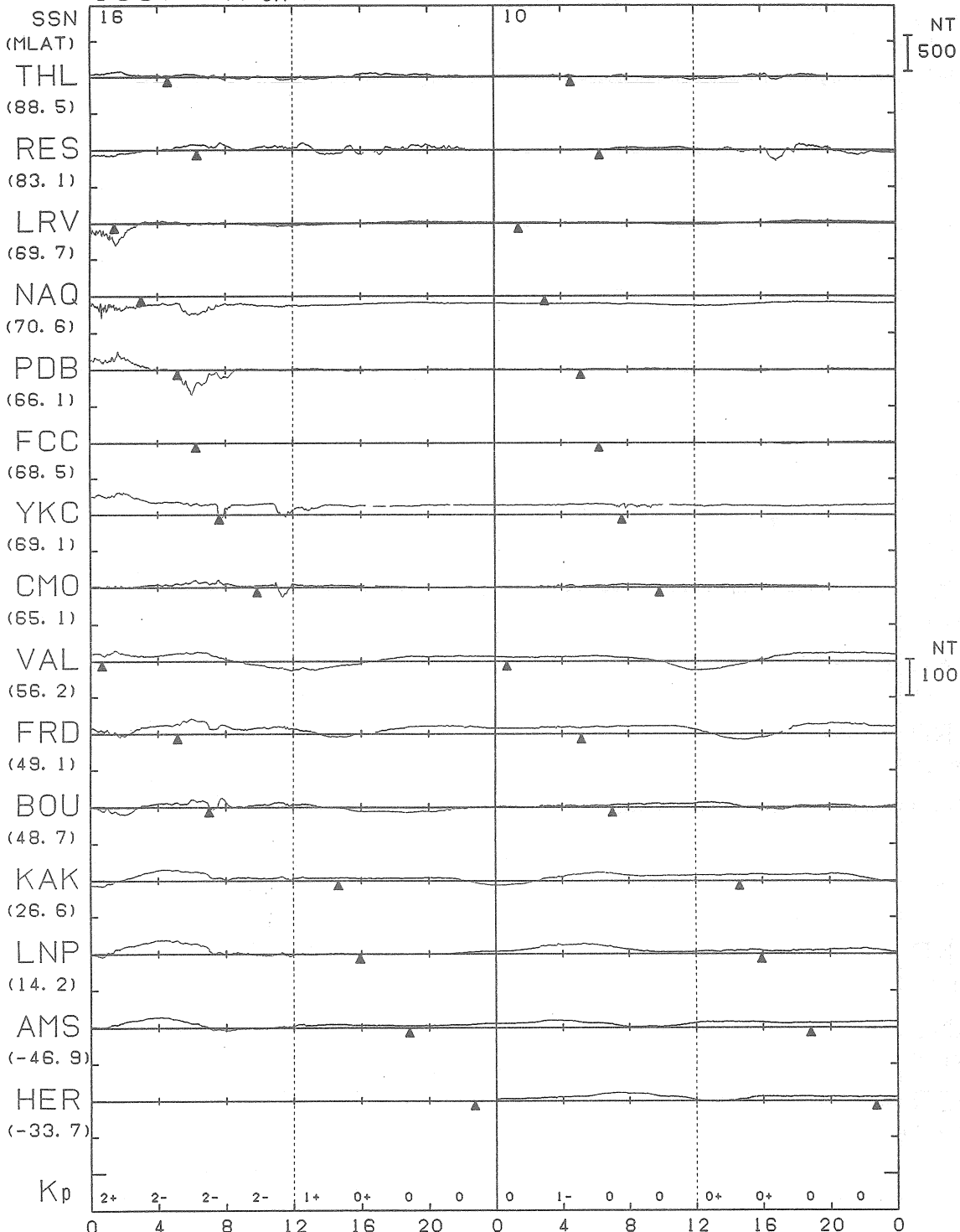


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



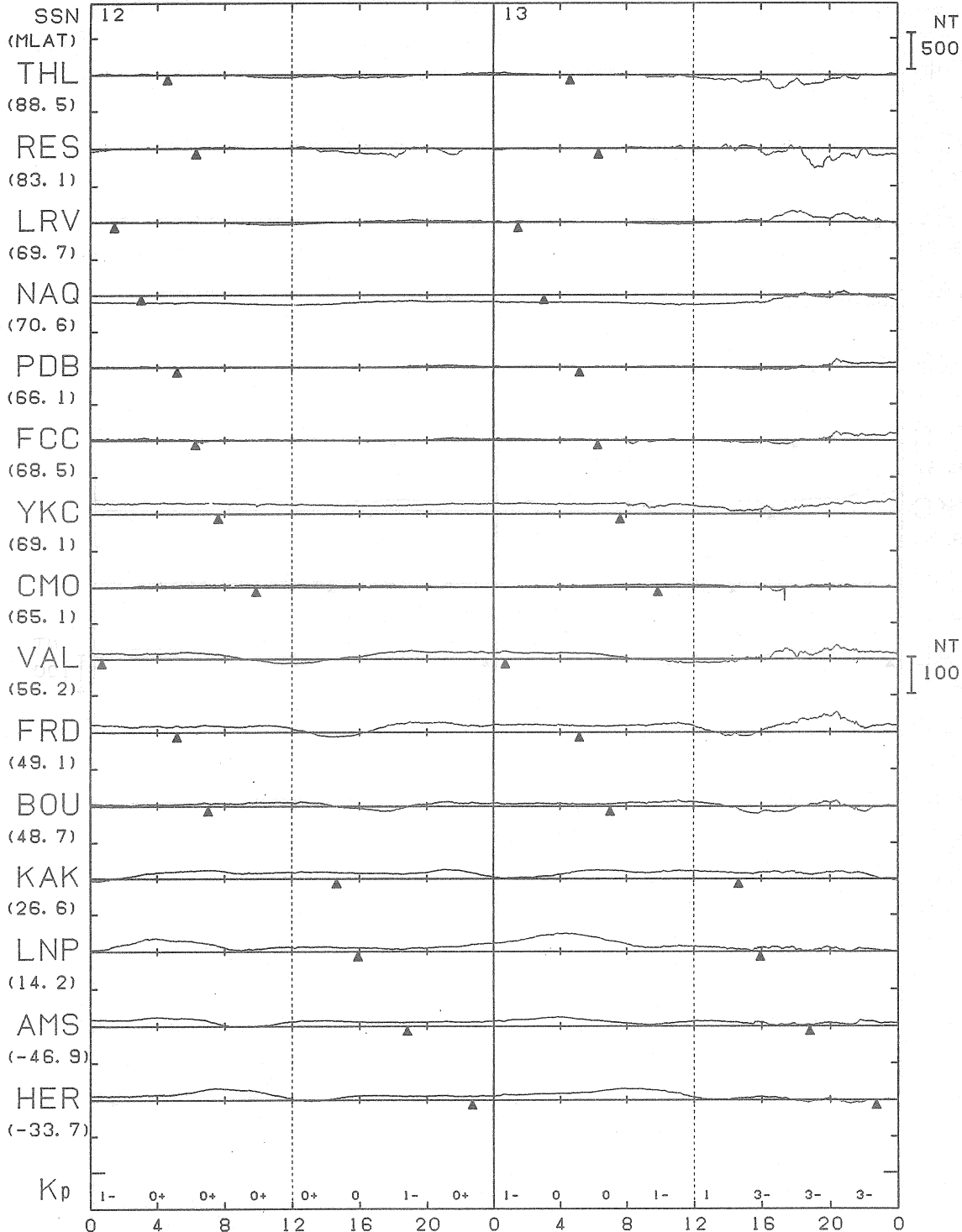
MAY 11  
(DAY 131)

MAY 12  
(DAY 132)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



MAY 13  
(DAY 133)

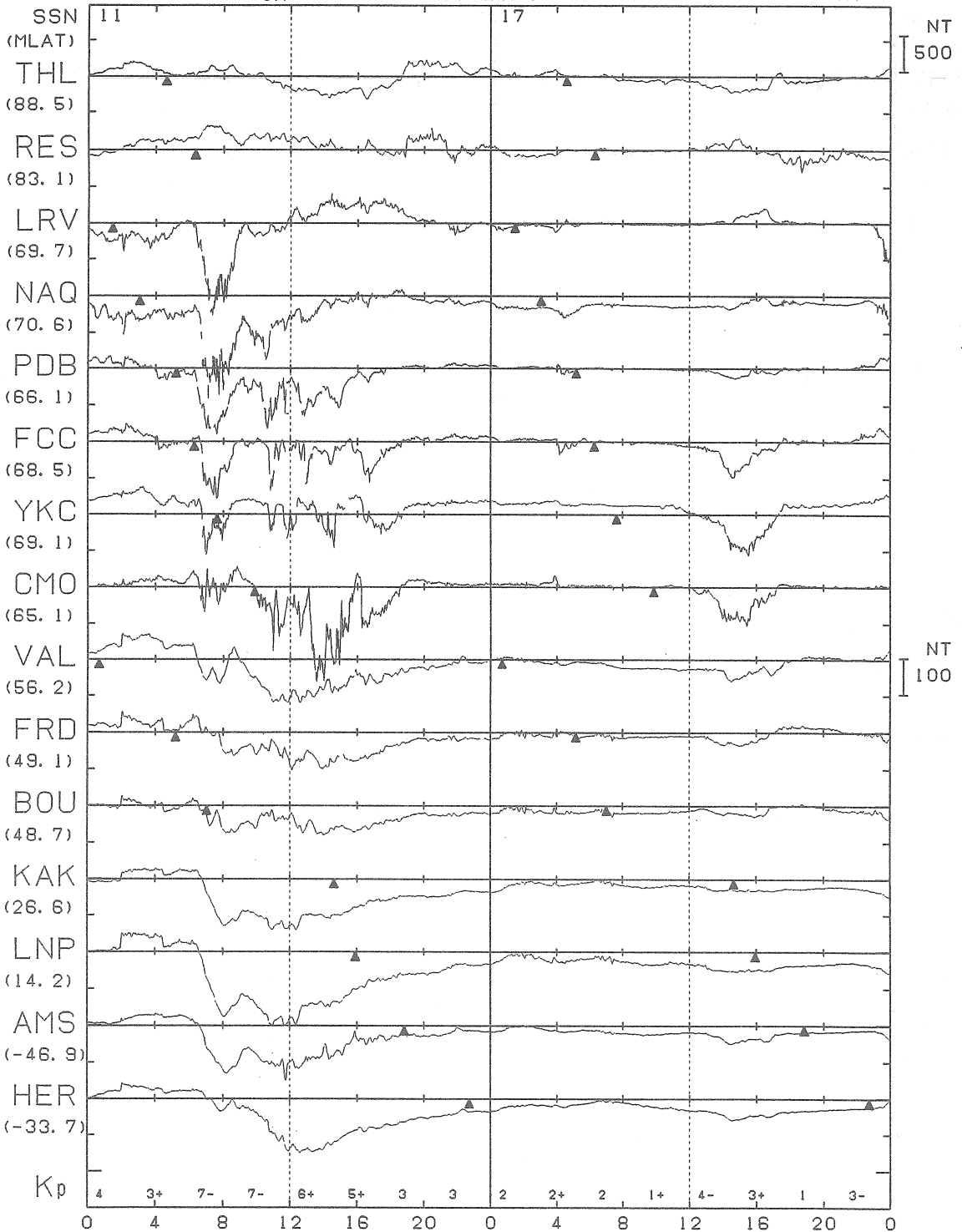
MAY 14  
(DAY 134)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

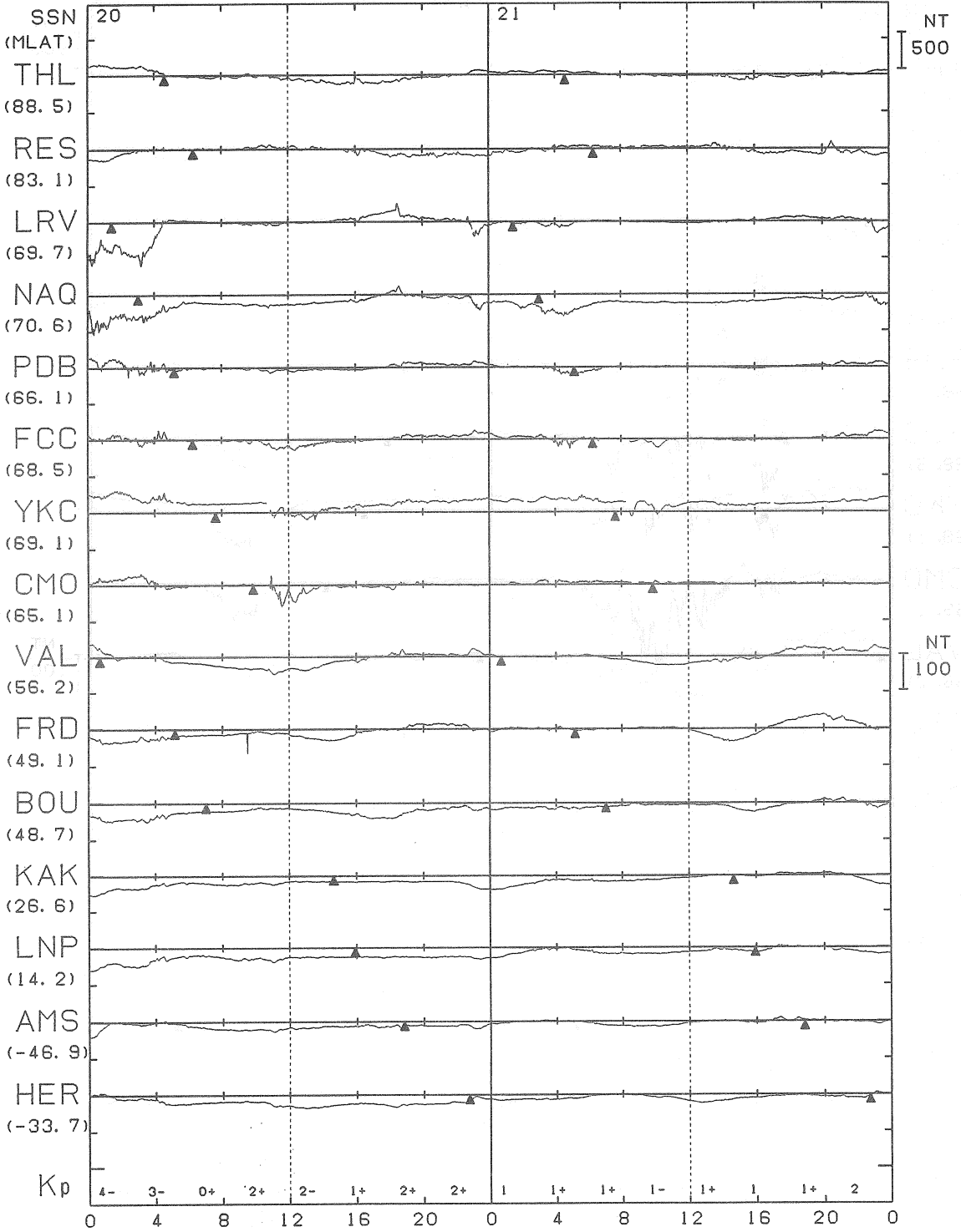


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 17  
(DAY 137)

MAY 18  
(DAY 138)

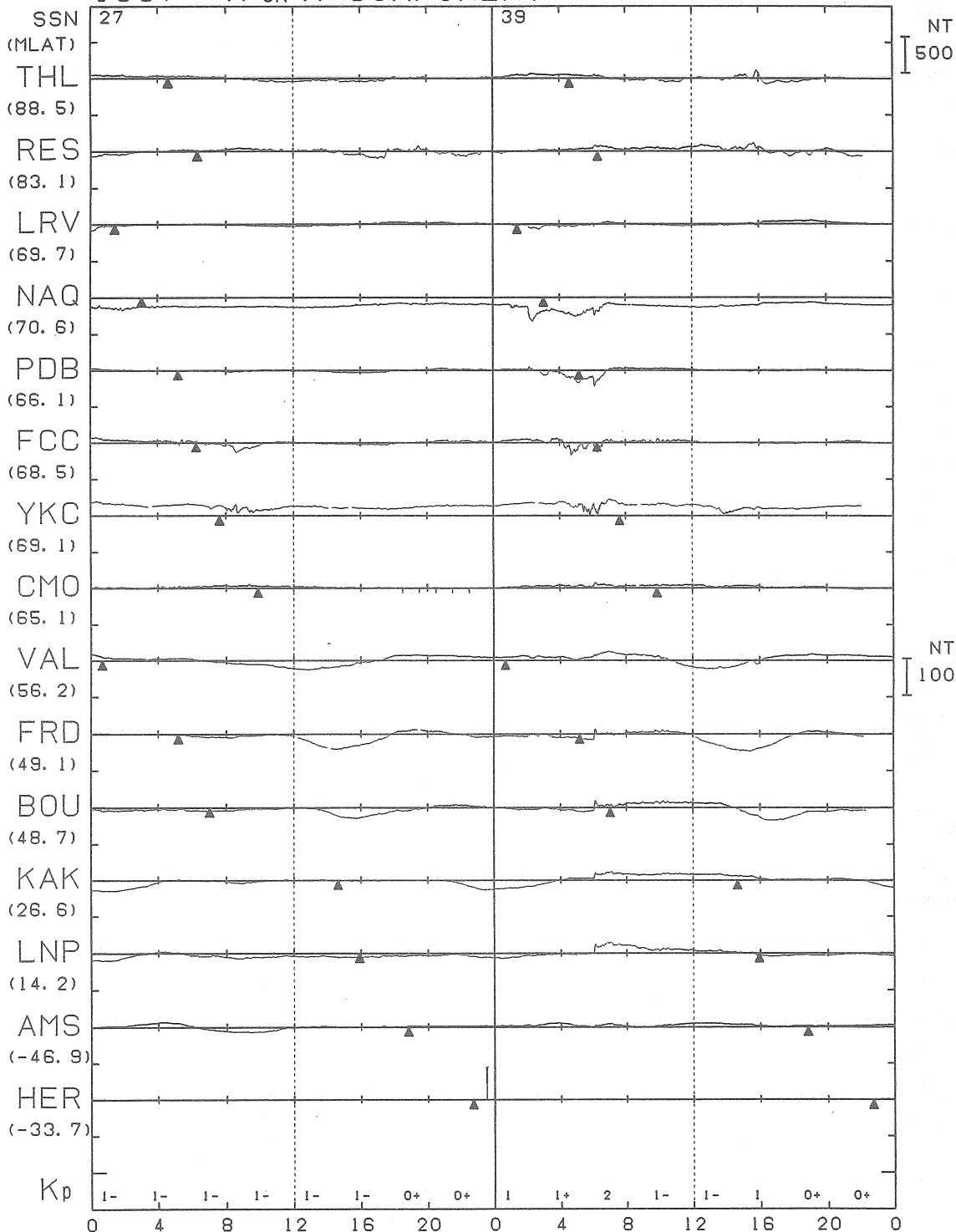
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



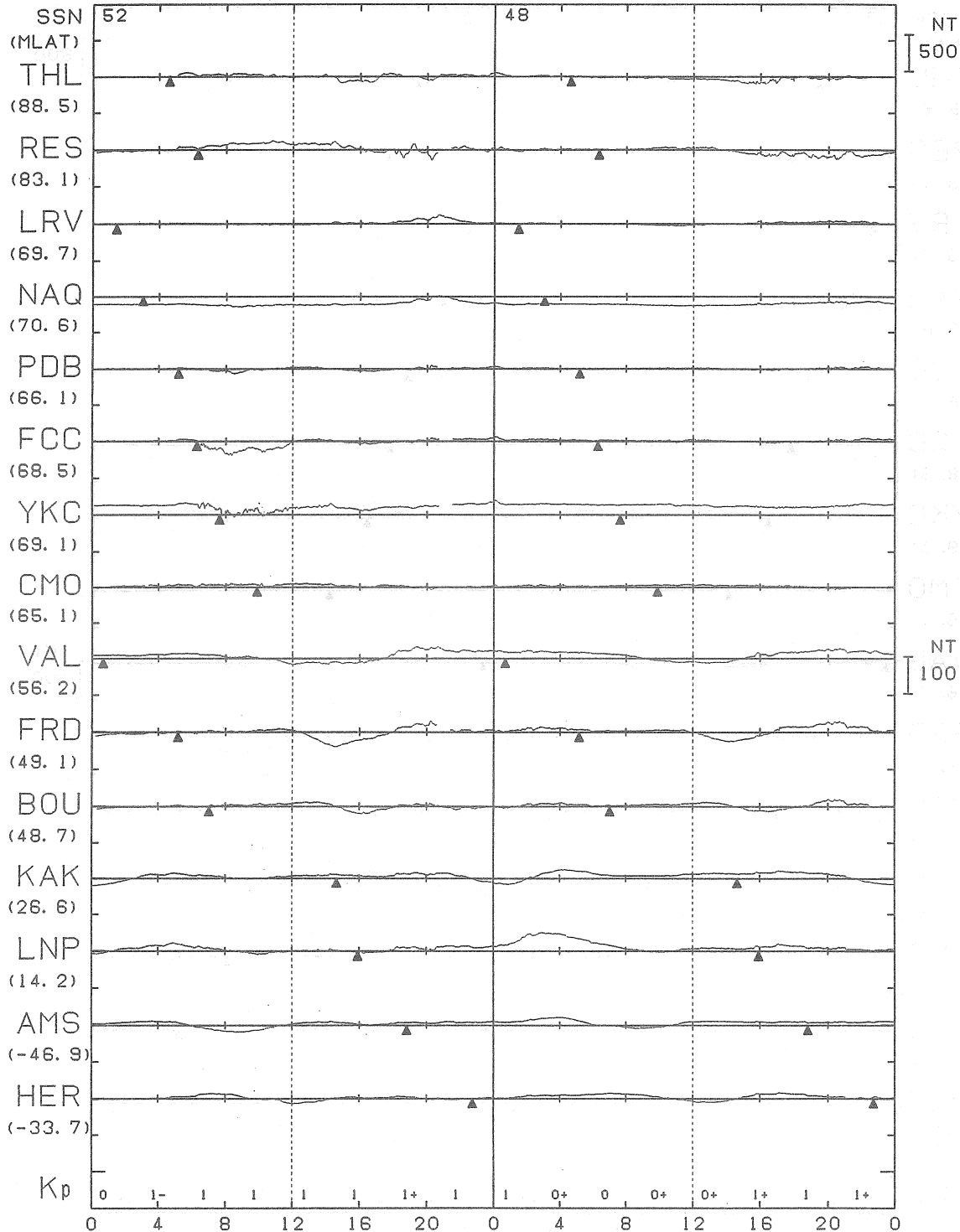
MAY 19  
(DAY 139)

MAY 20  
(DAY 140)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

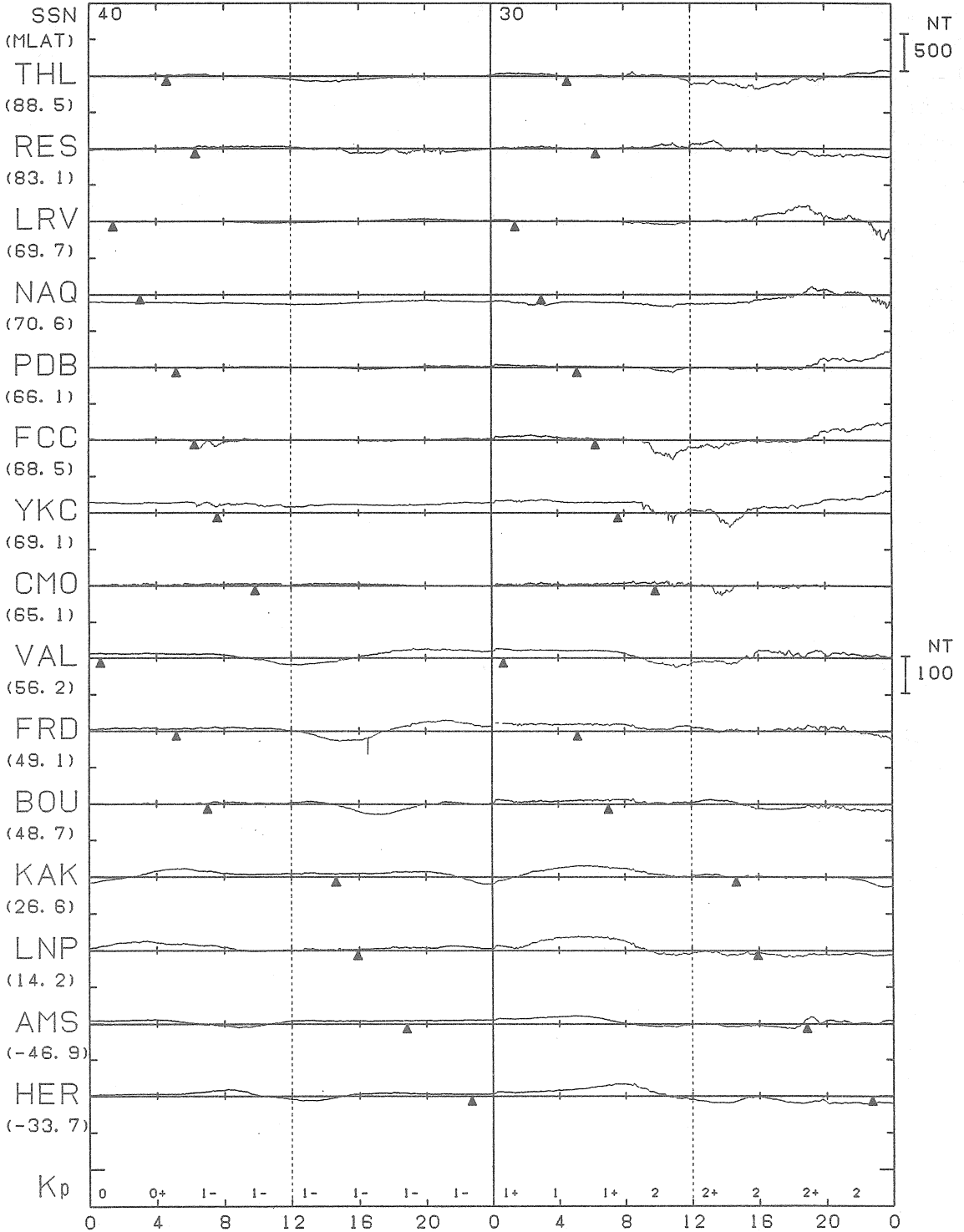


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

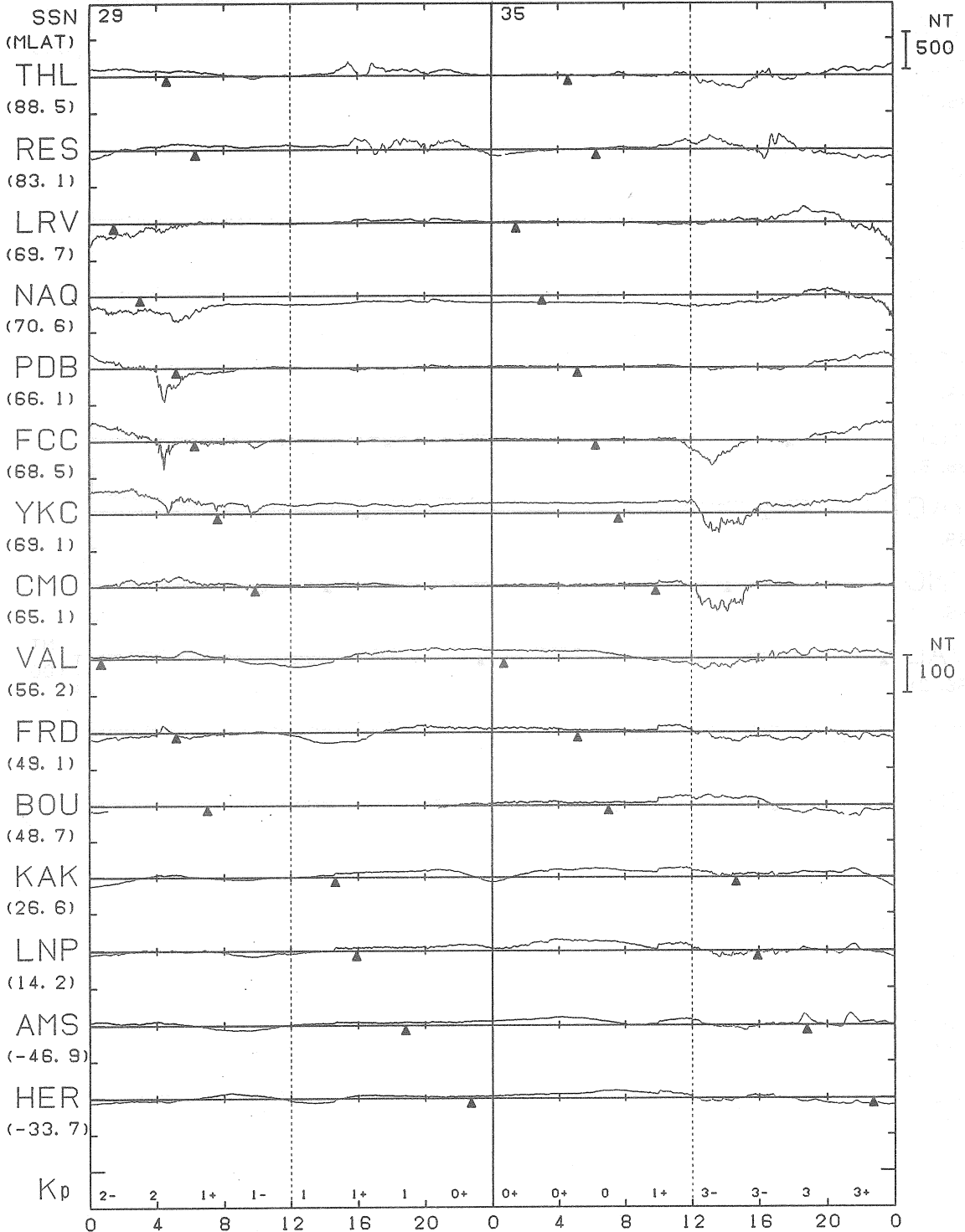


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 25  
(DAY 145)

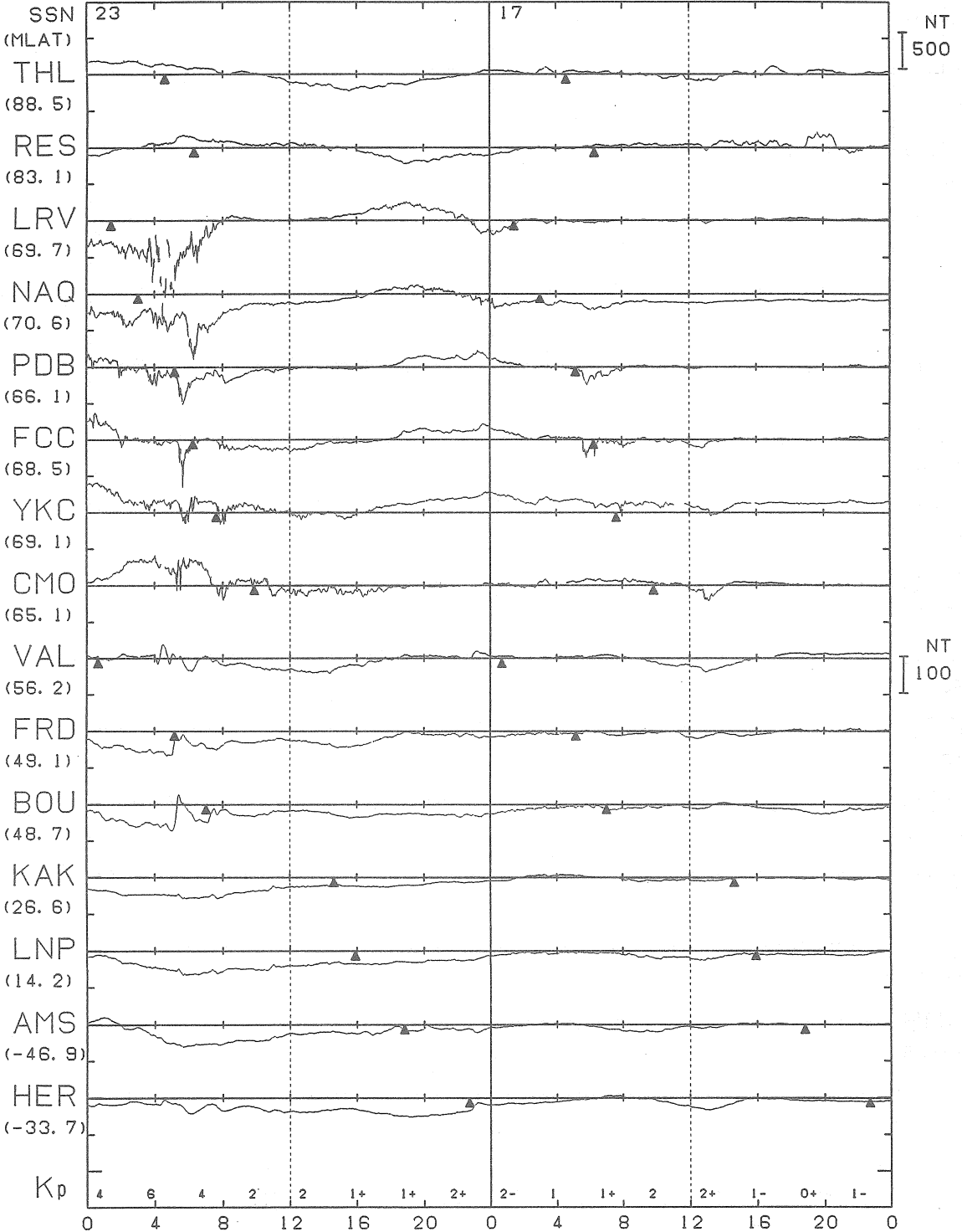
MAY 26  
(DAY 146)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

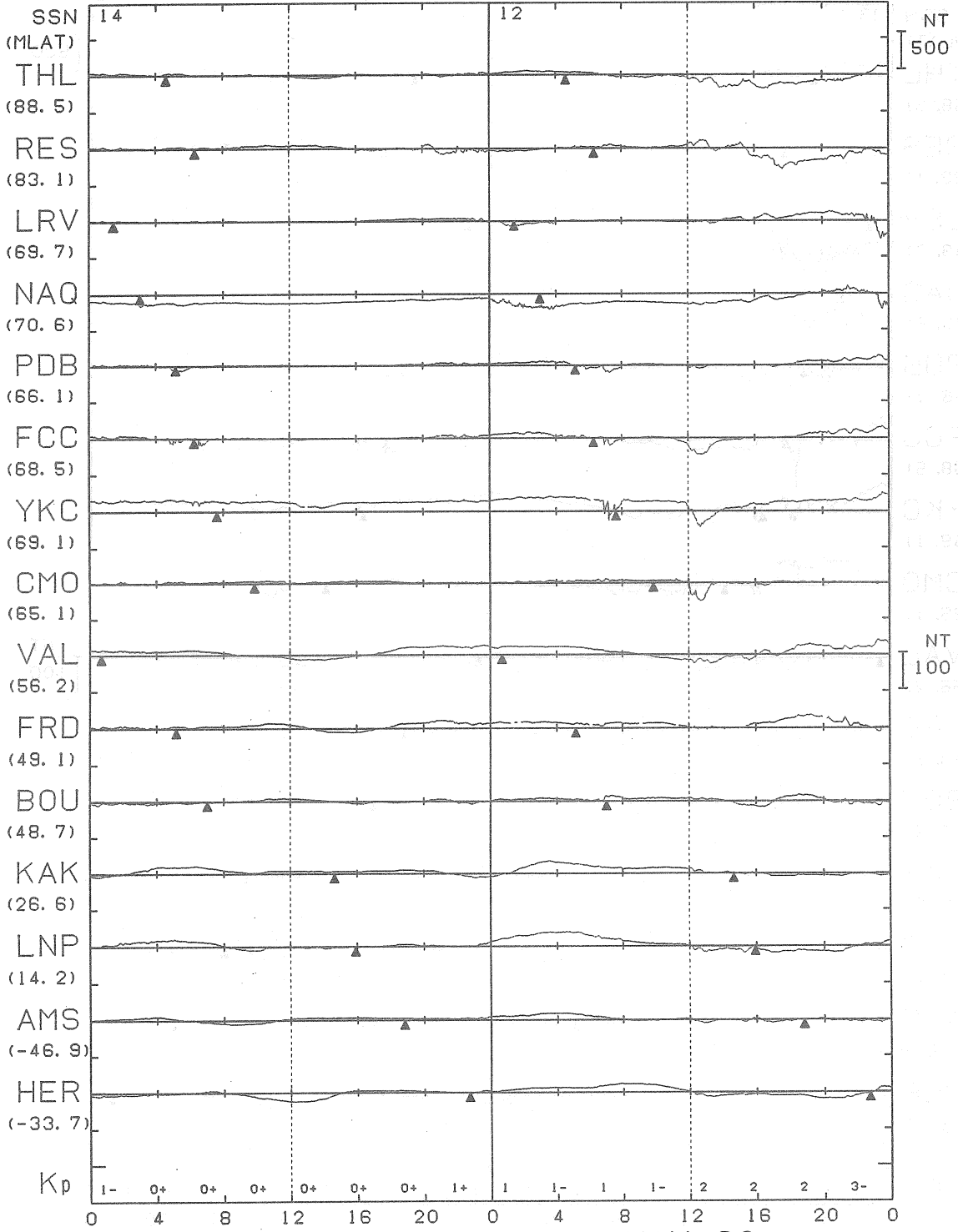


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



MAY 29  
(DAY 149)

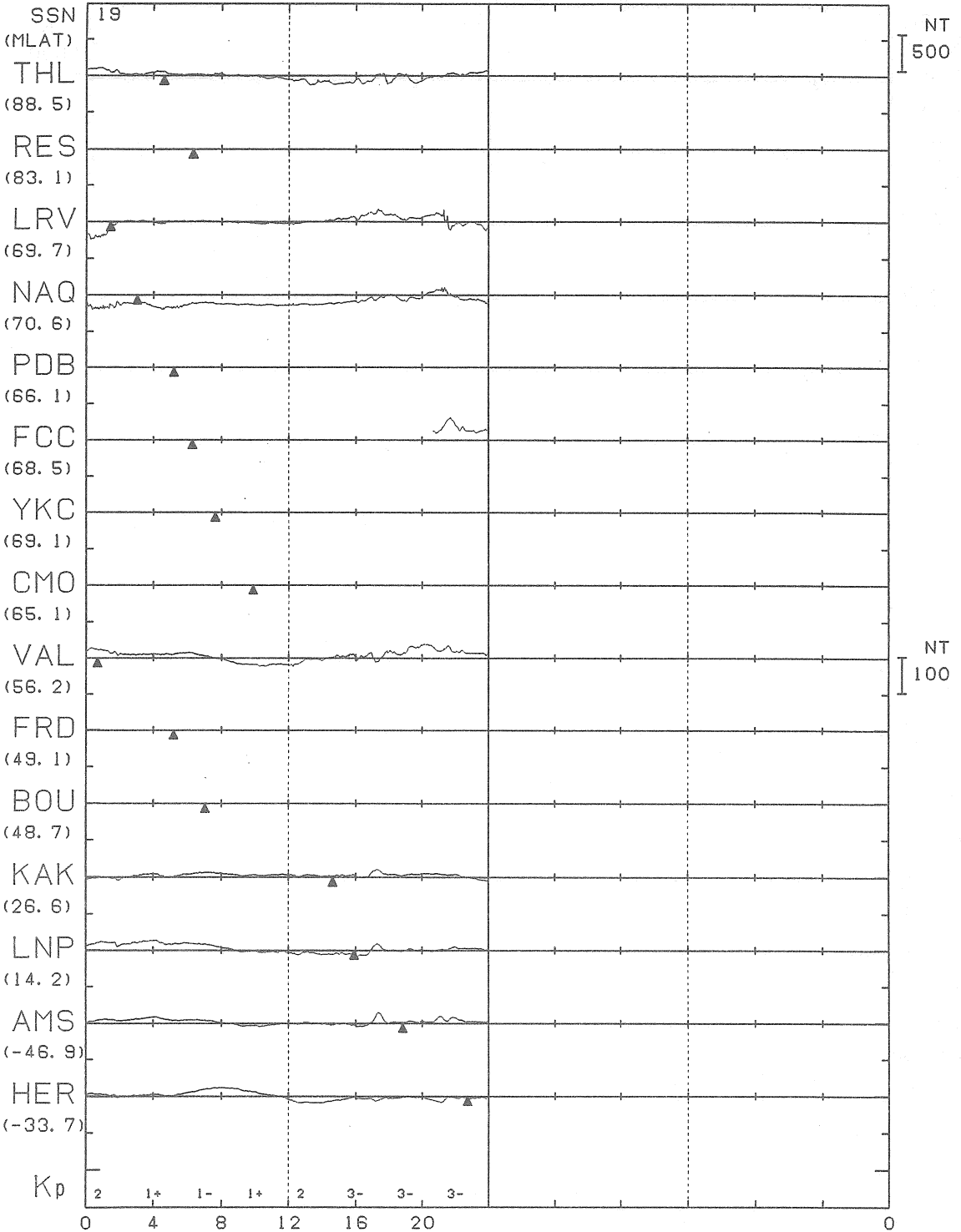
MAY 30  
(DAY 150)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

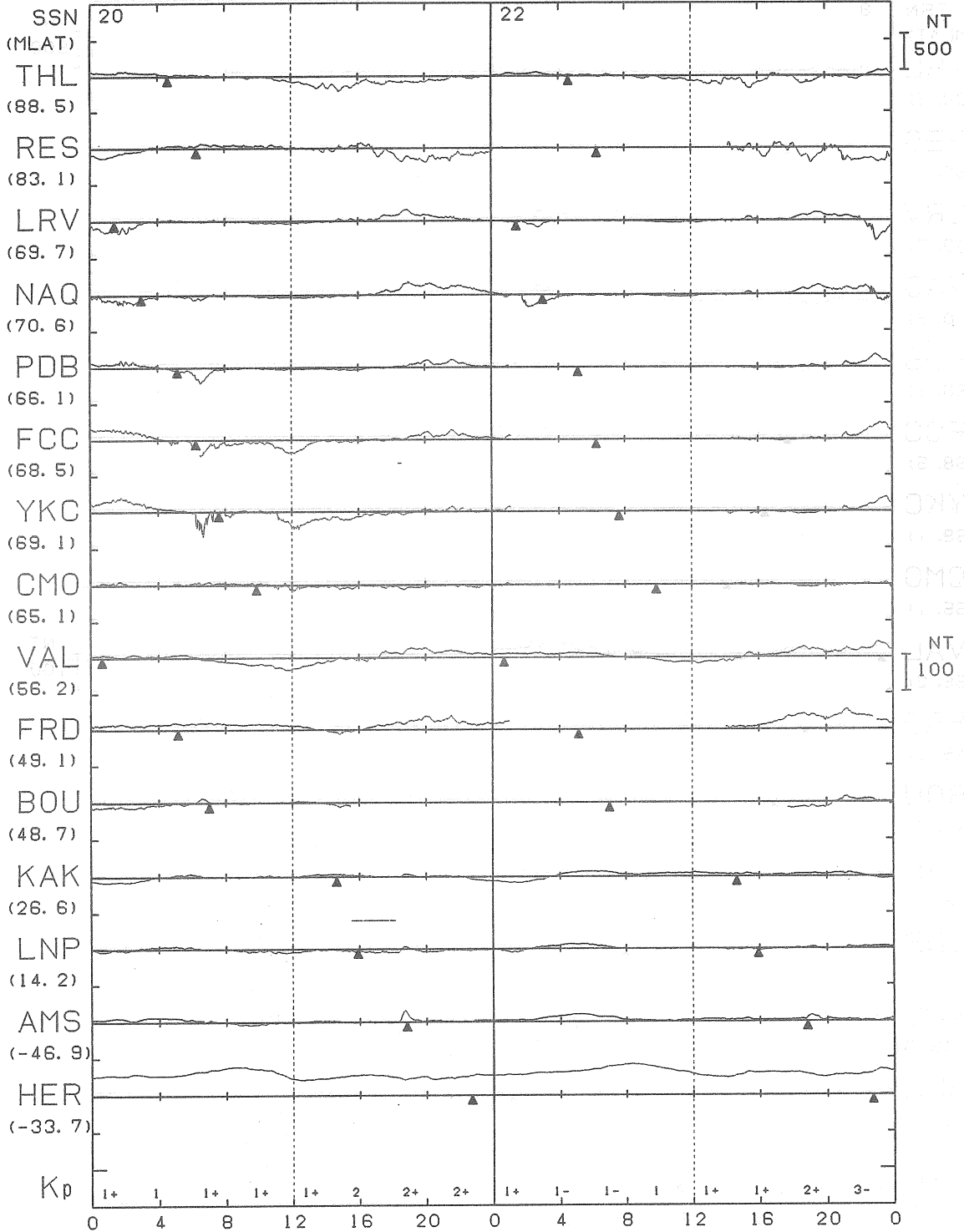


MAY 31  
(DAY 151)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT



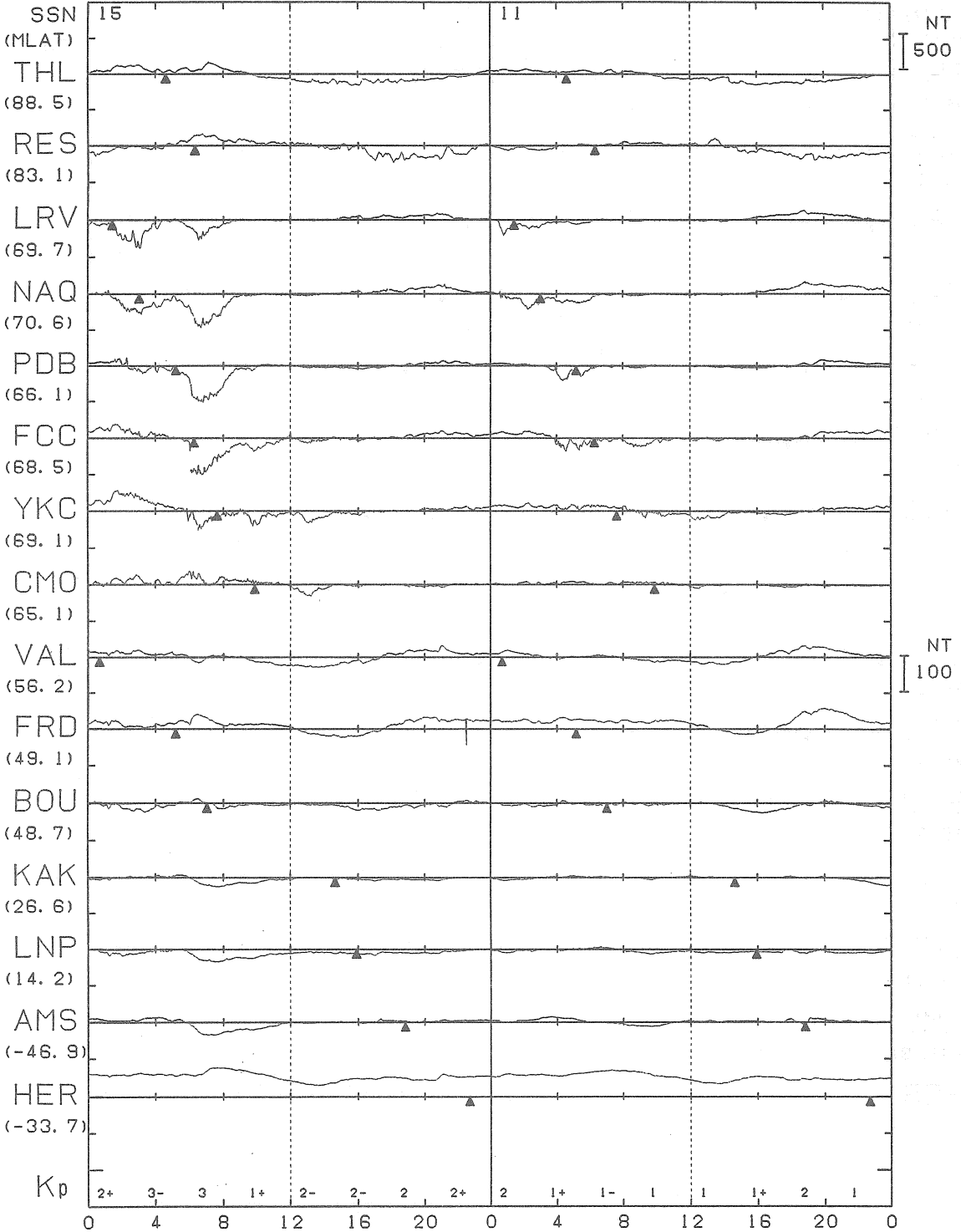
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



JUN 3  
(DAY 154)

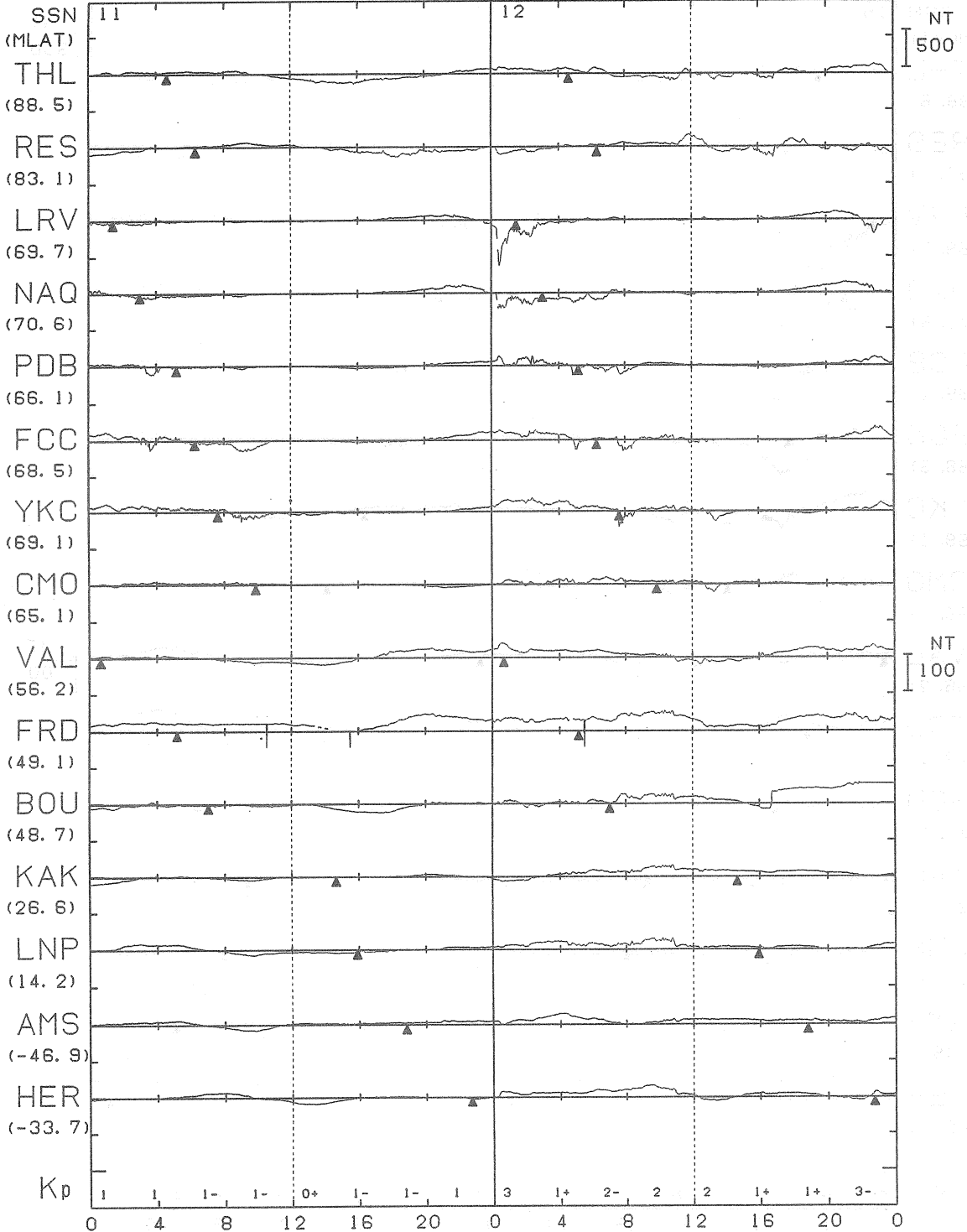
JUN 4  
(DAY 155)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

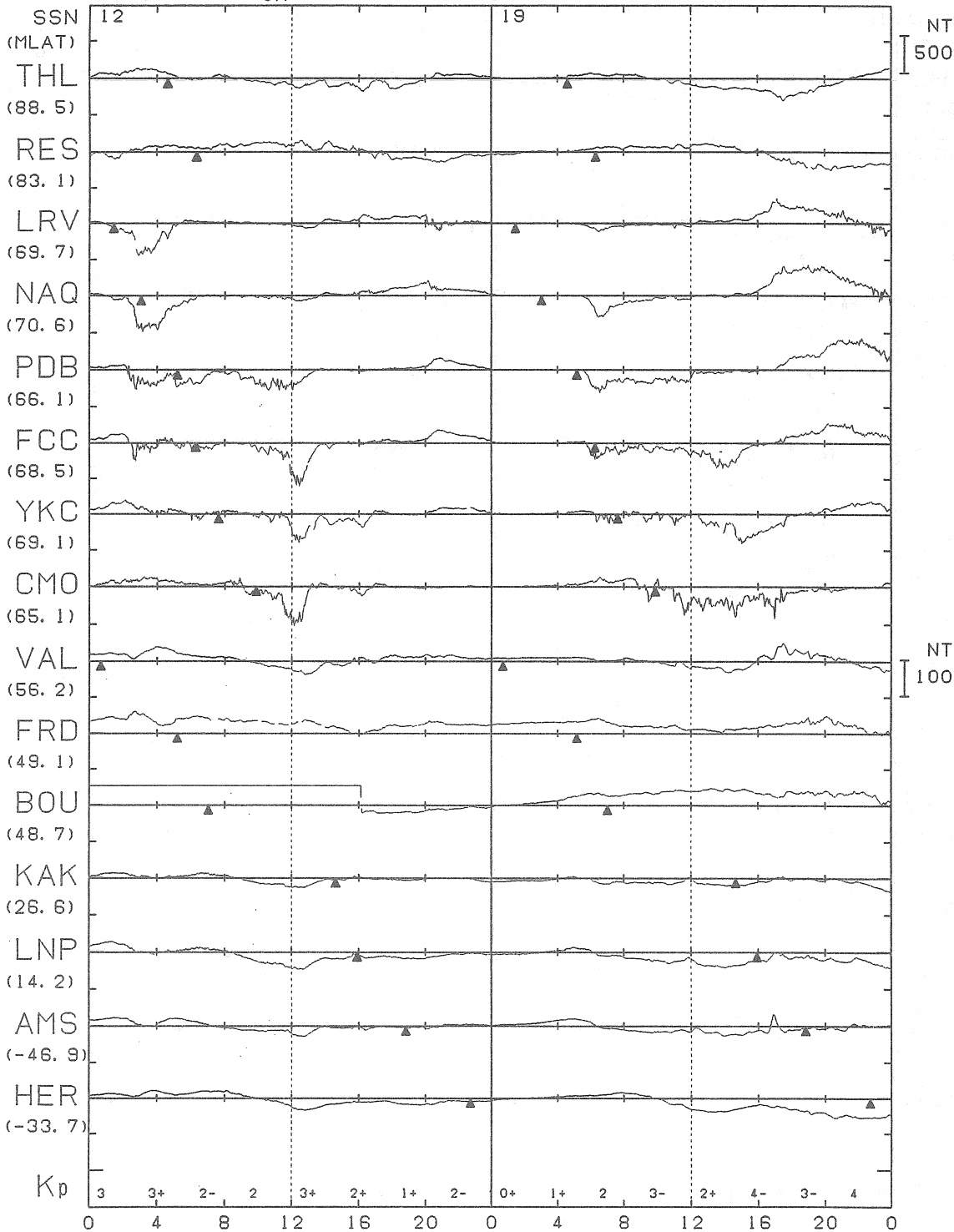


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



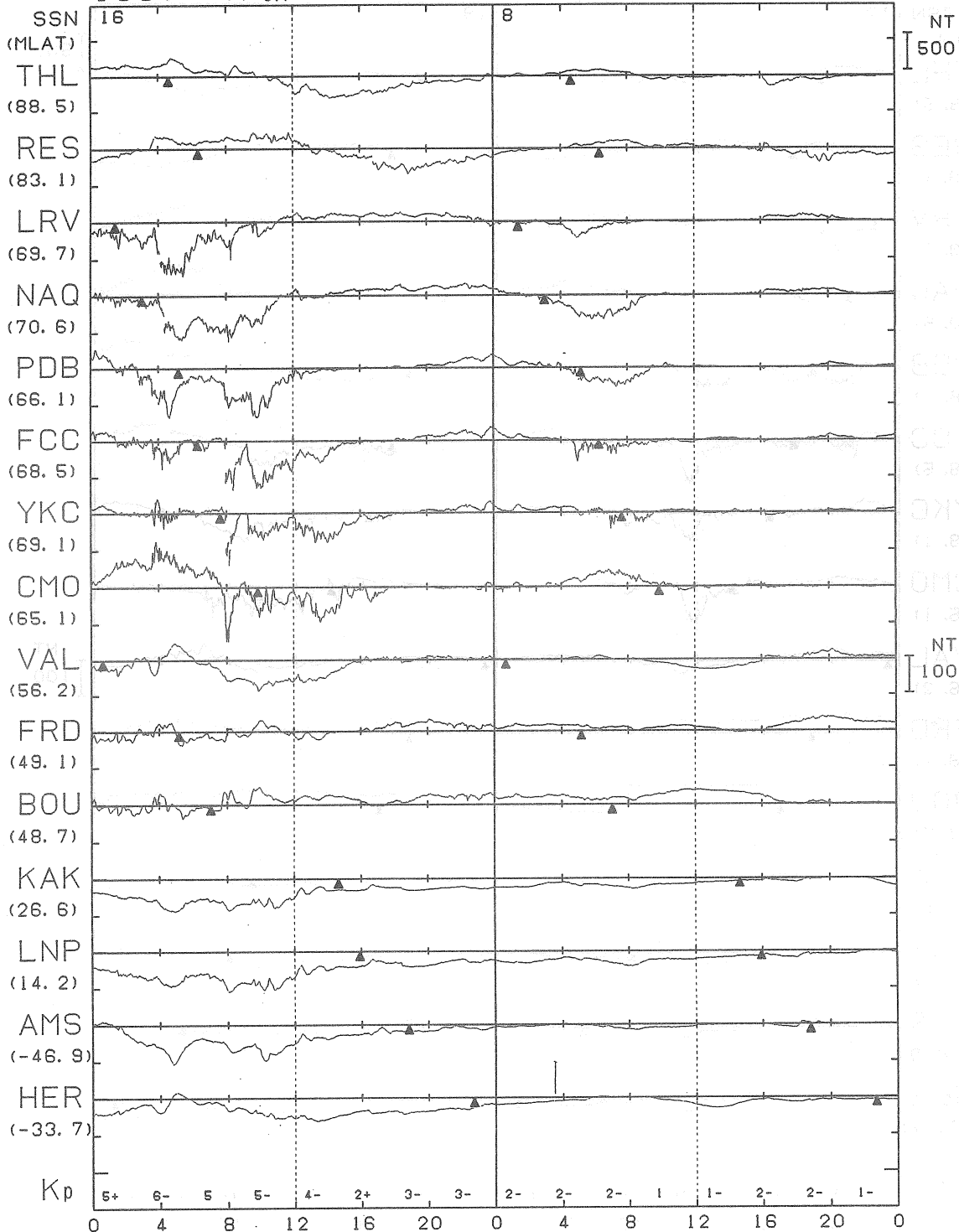
JUN 7  
(DAY 158)

JUN 8  
(DAY 159)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT

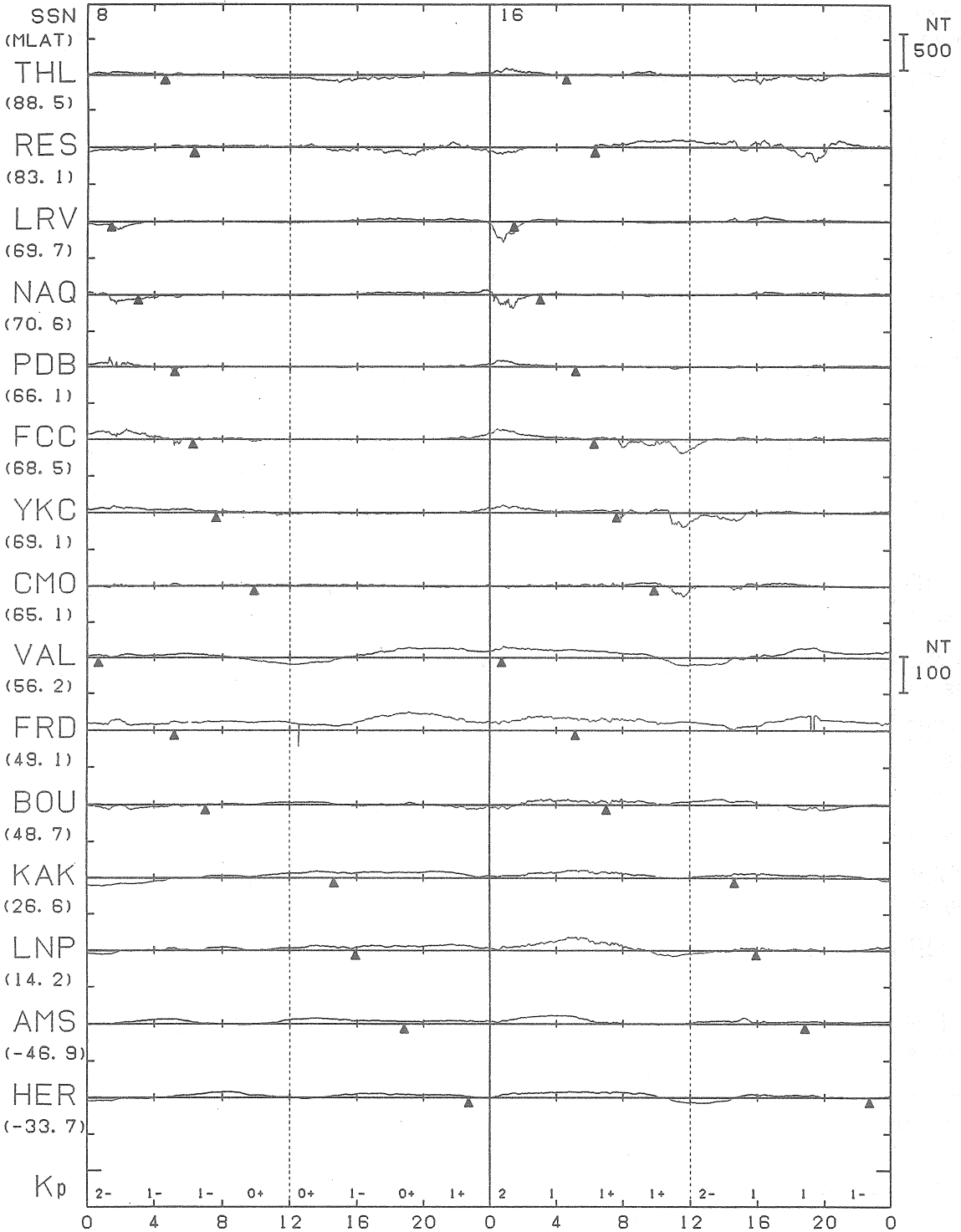


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



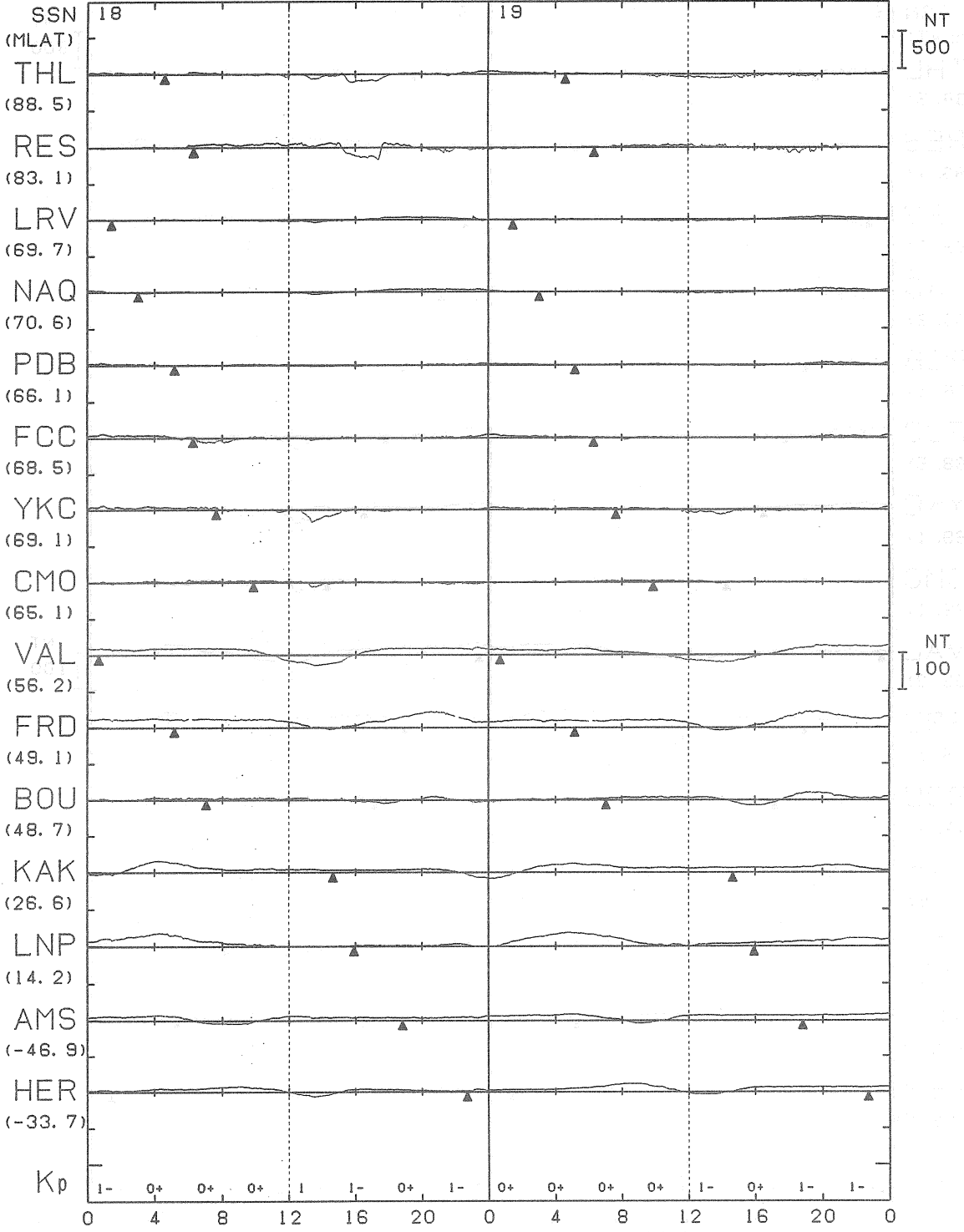
JUN 11  
(DAY 162)

JUN 12  
(DAY 163)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

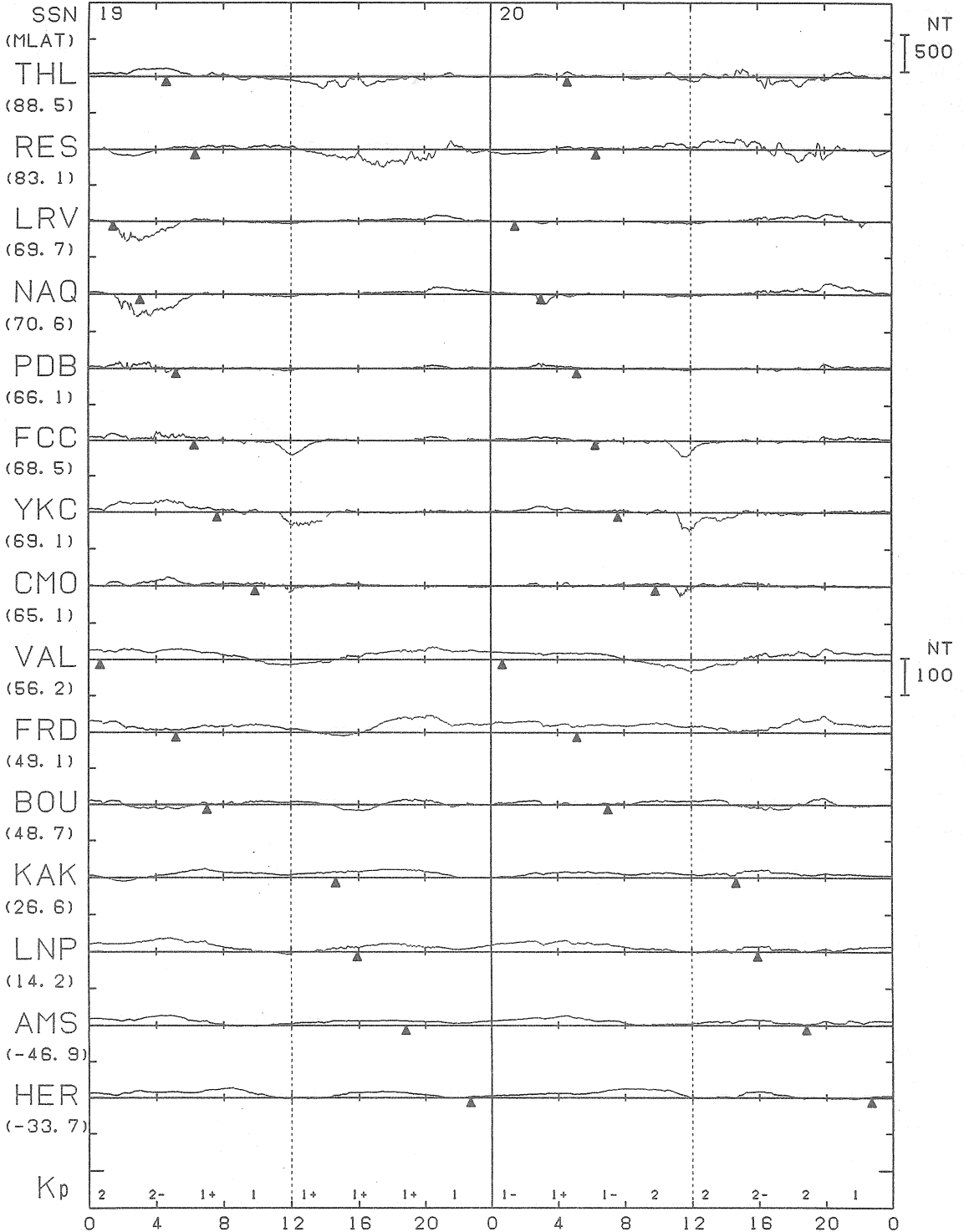


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



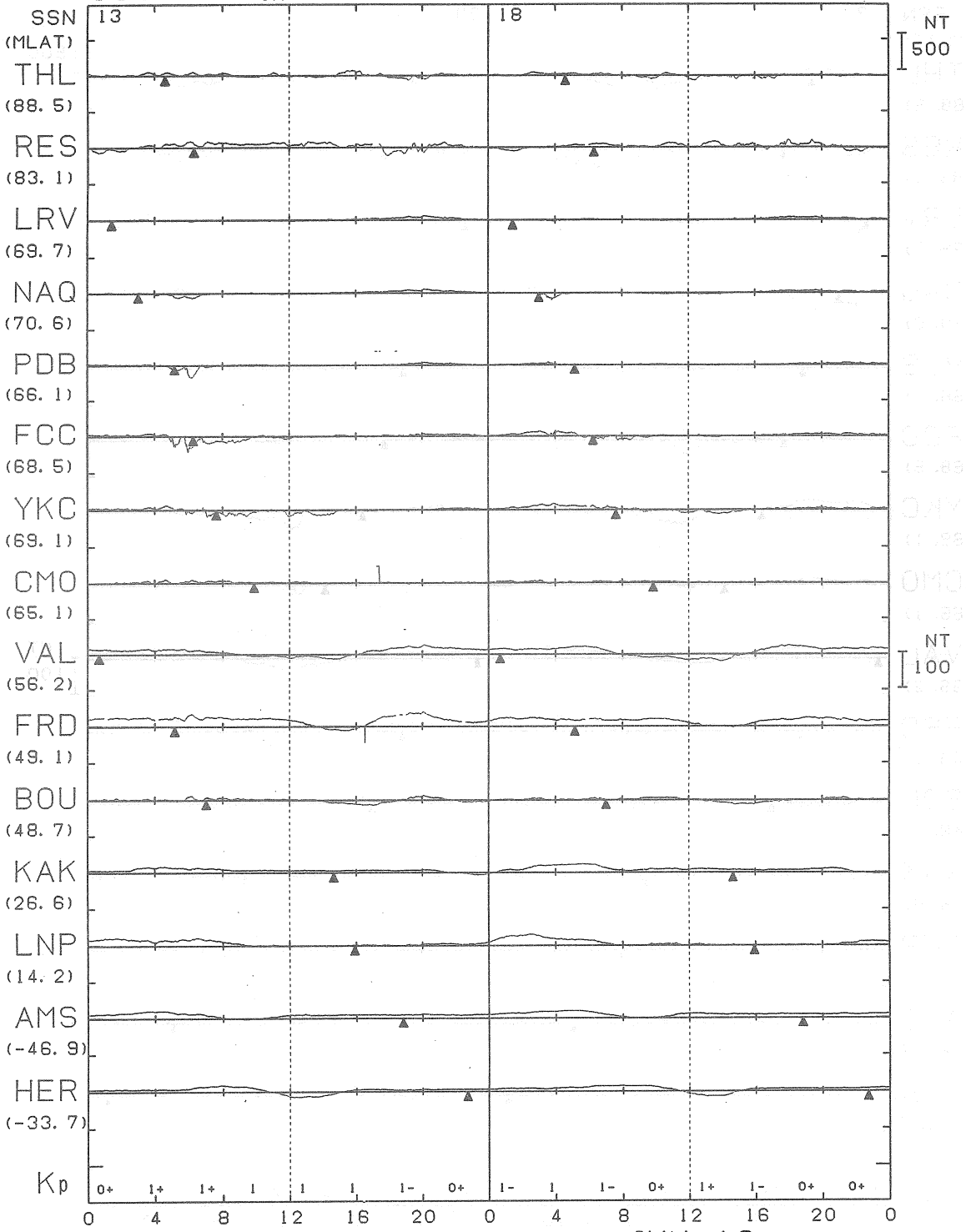
JUN 15  
(DAY 166)

JUN 16  
(DAY 167)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



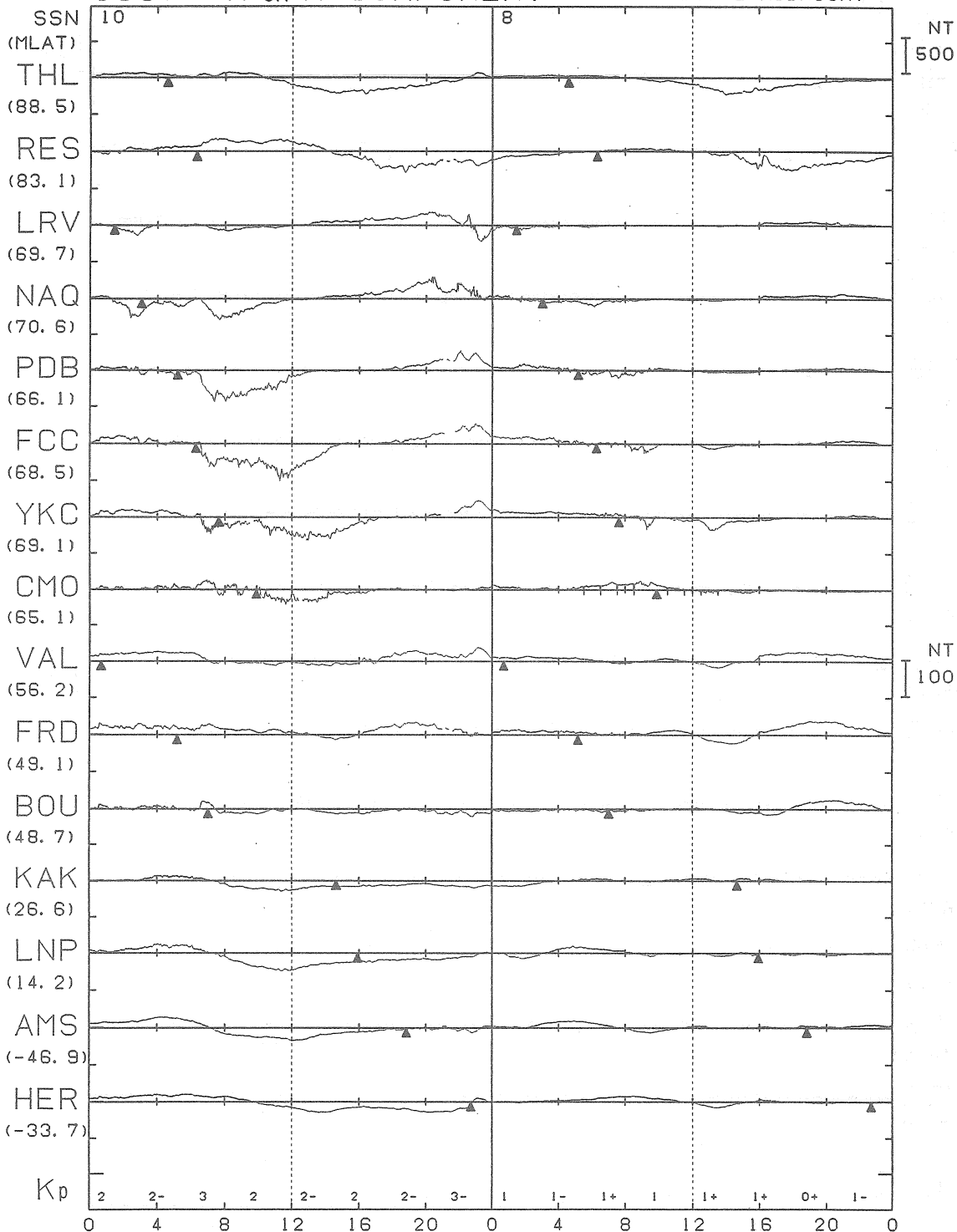
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

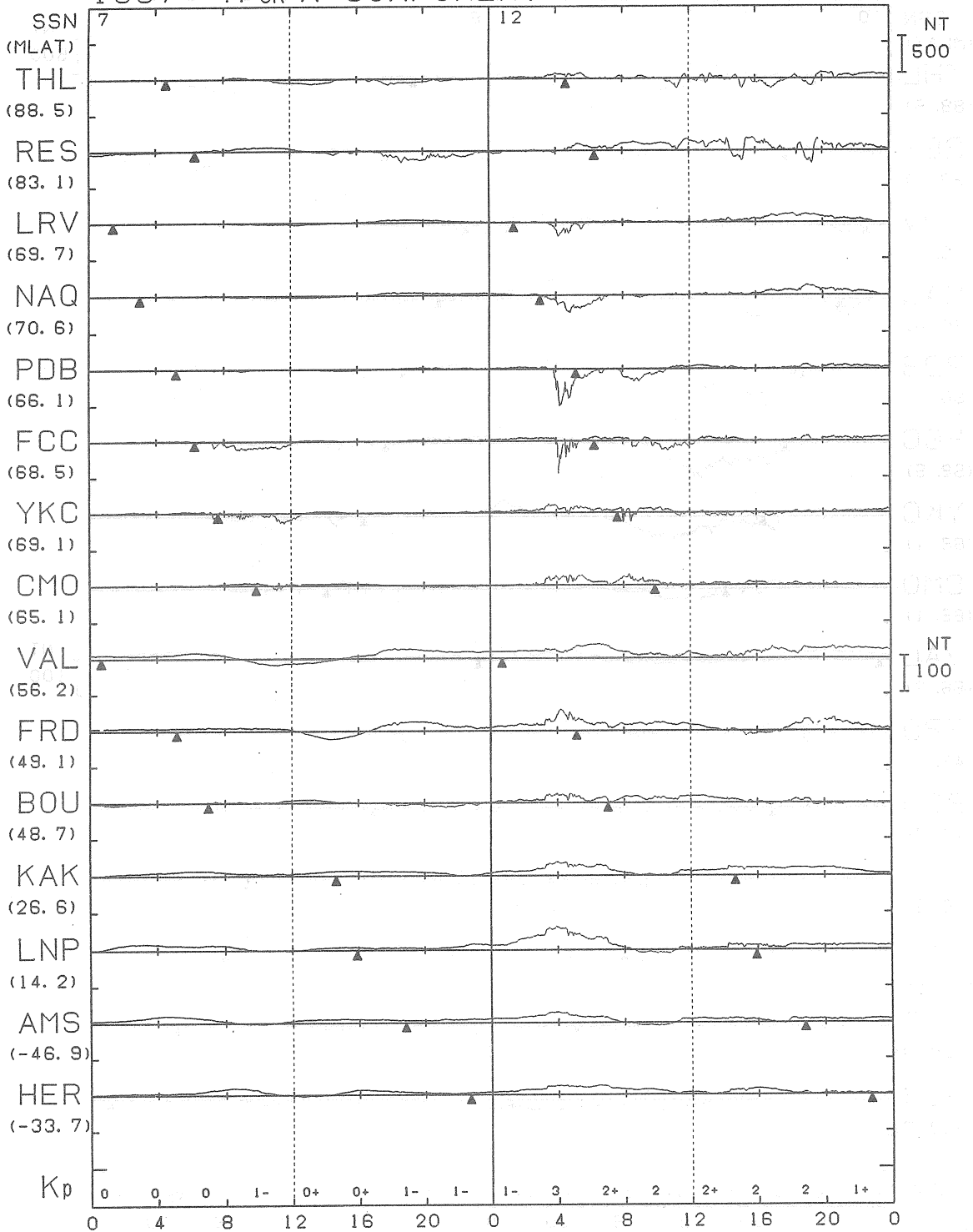
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JUN 21  
(DAY 172)

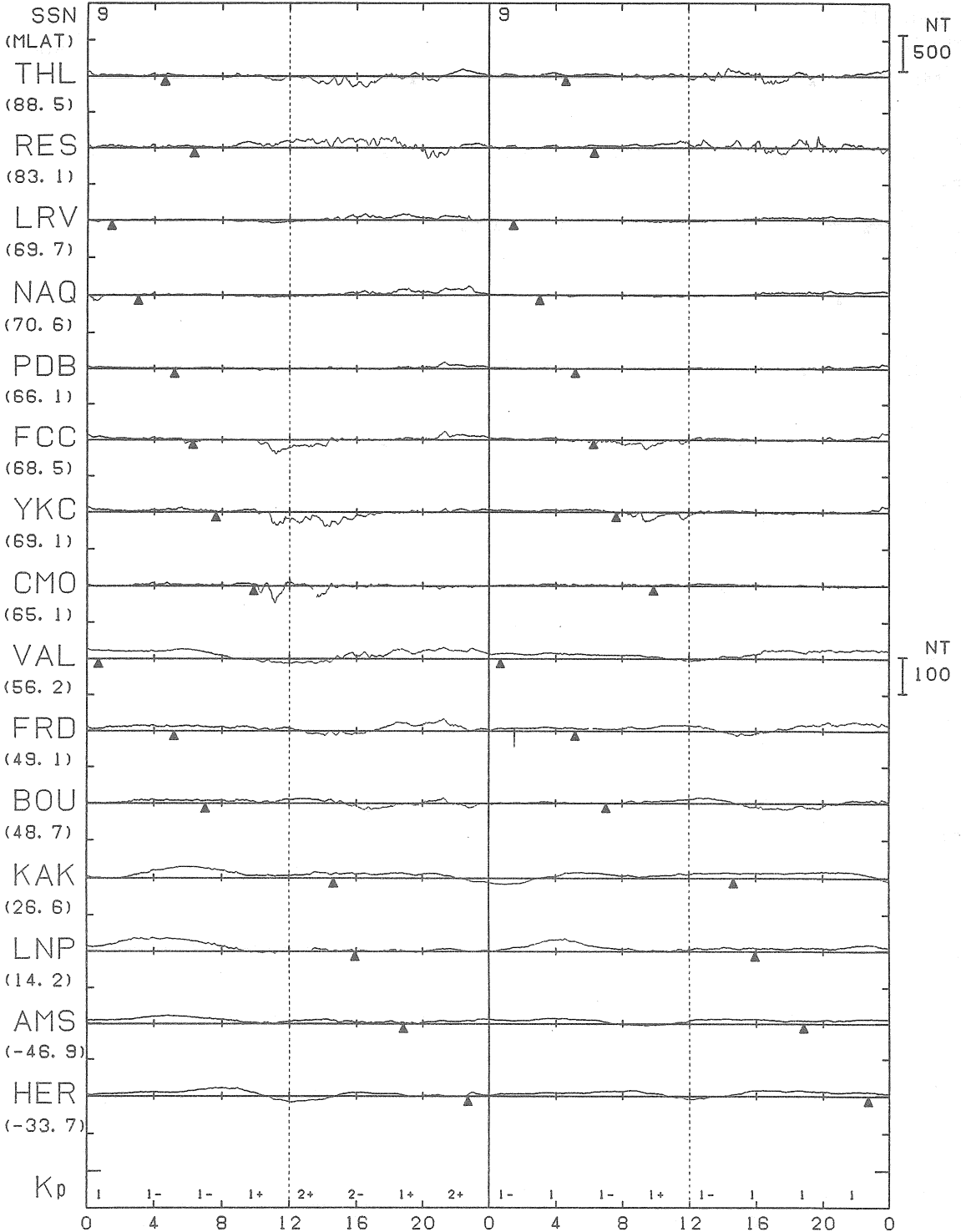
JUN 22  
(DAY 173)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



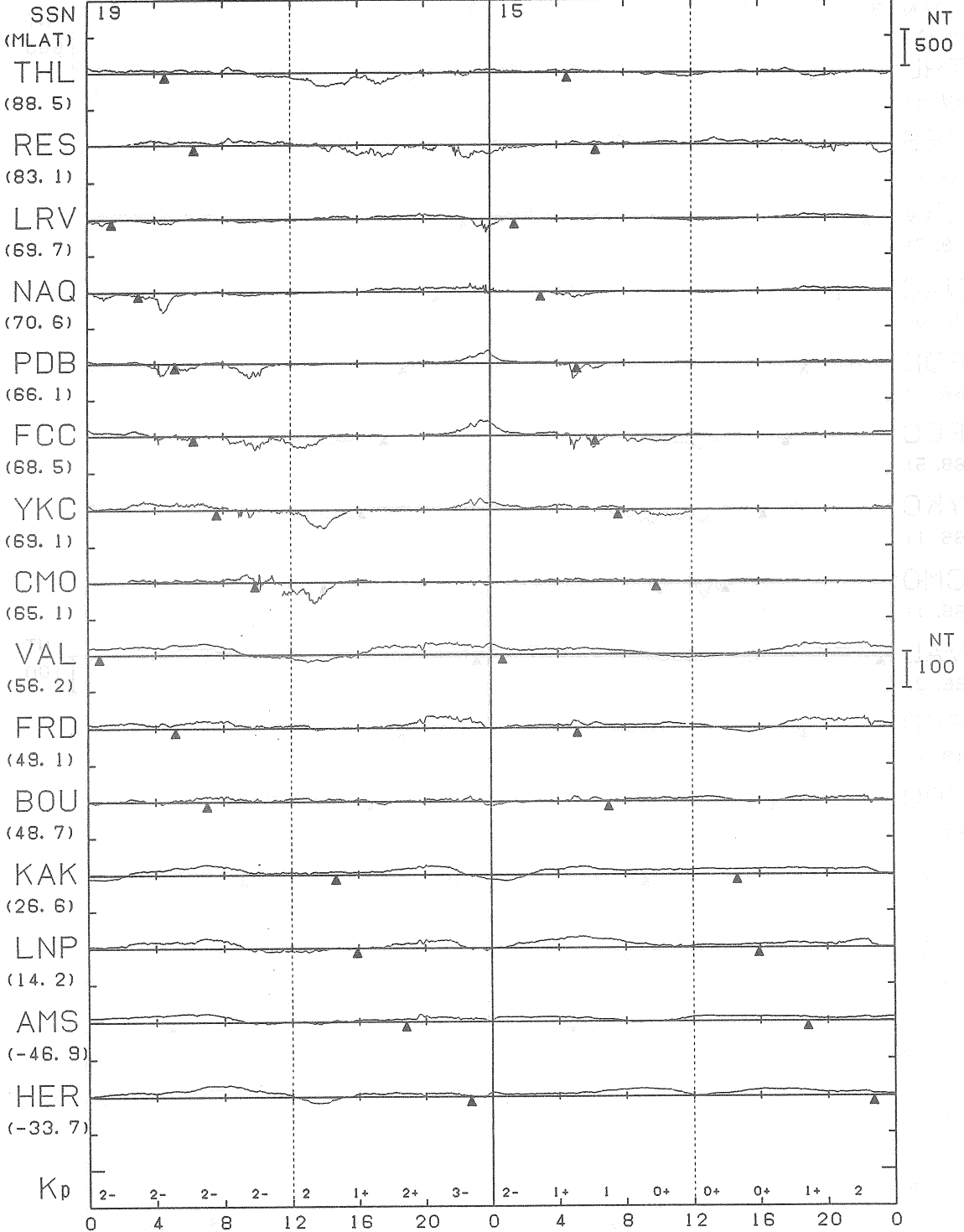
JUN 23  
(DAY 174)

JUN 24  
(DAY 175)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

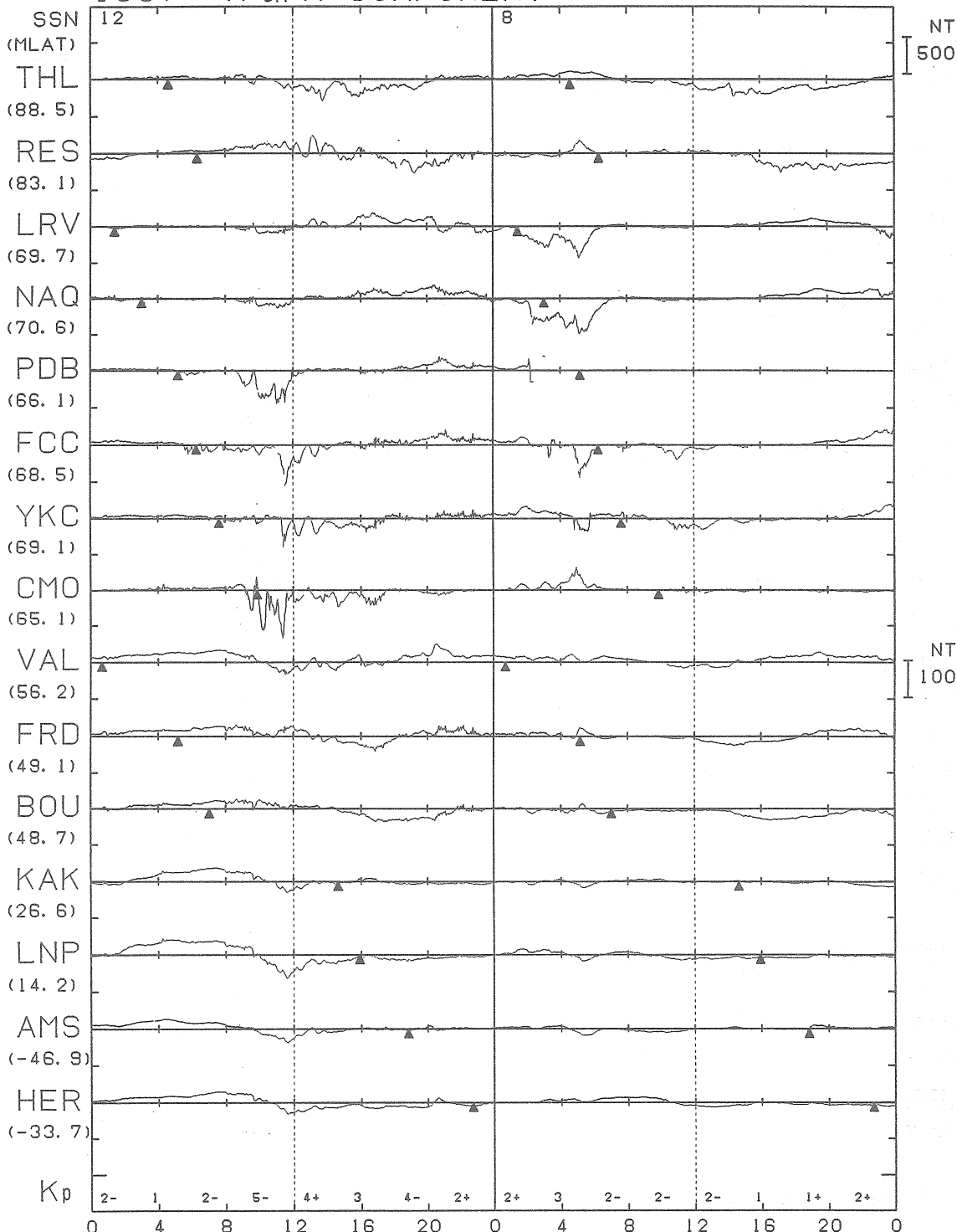


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



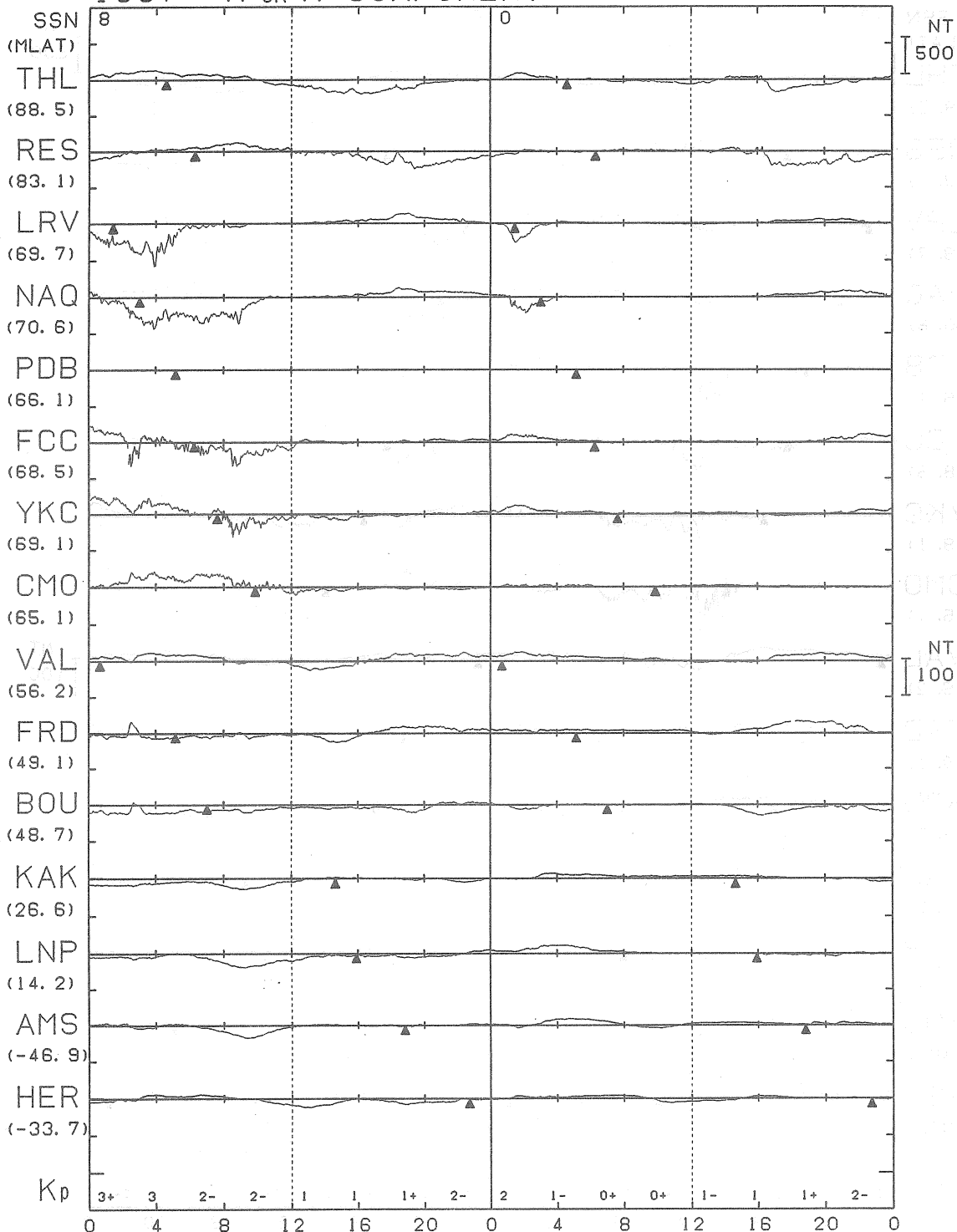
JUN 27  
(DAY 178)

JUN 28  
(DAY 179)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

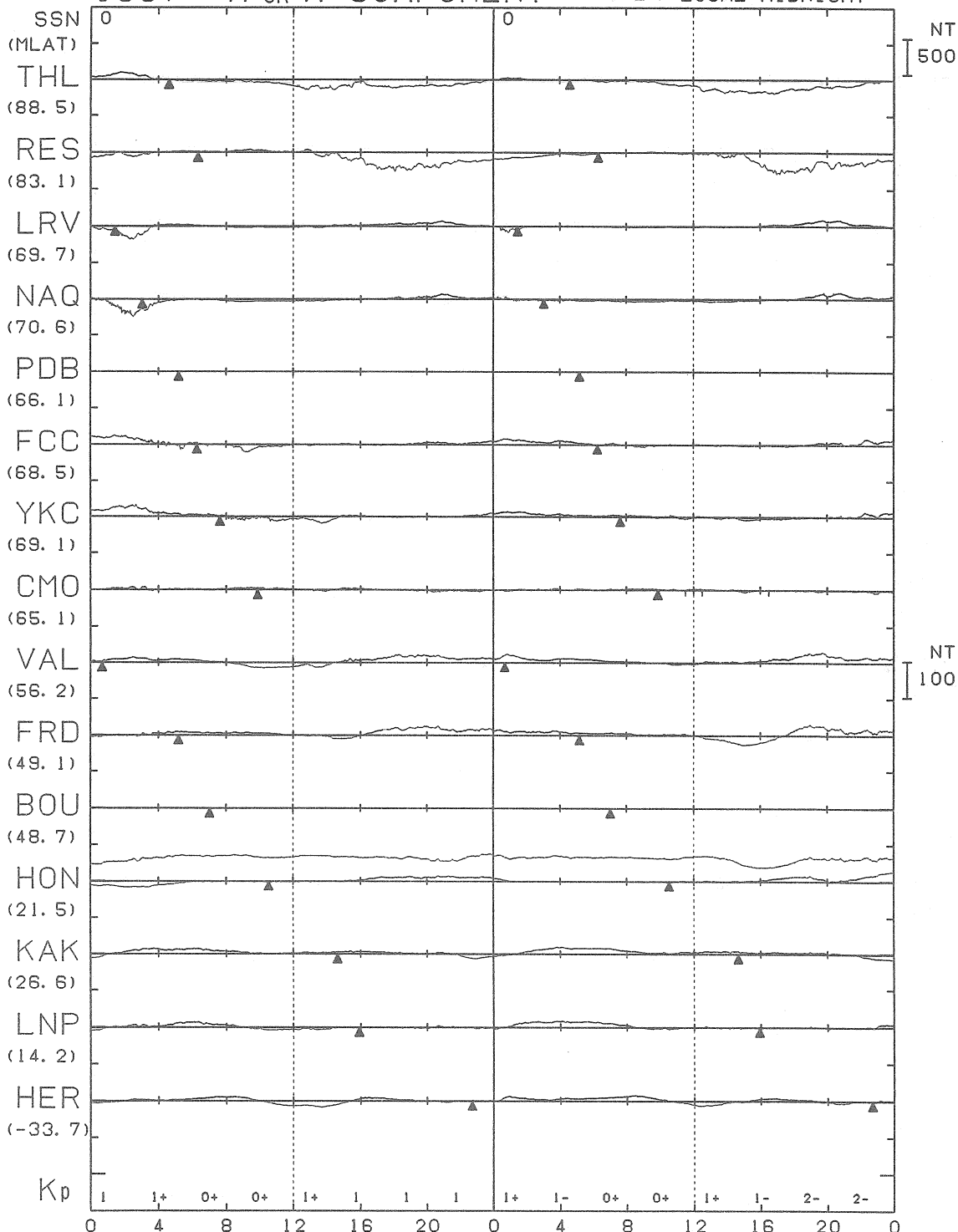


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

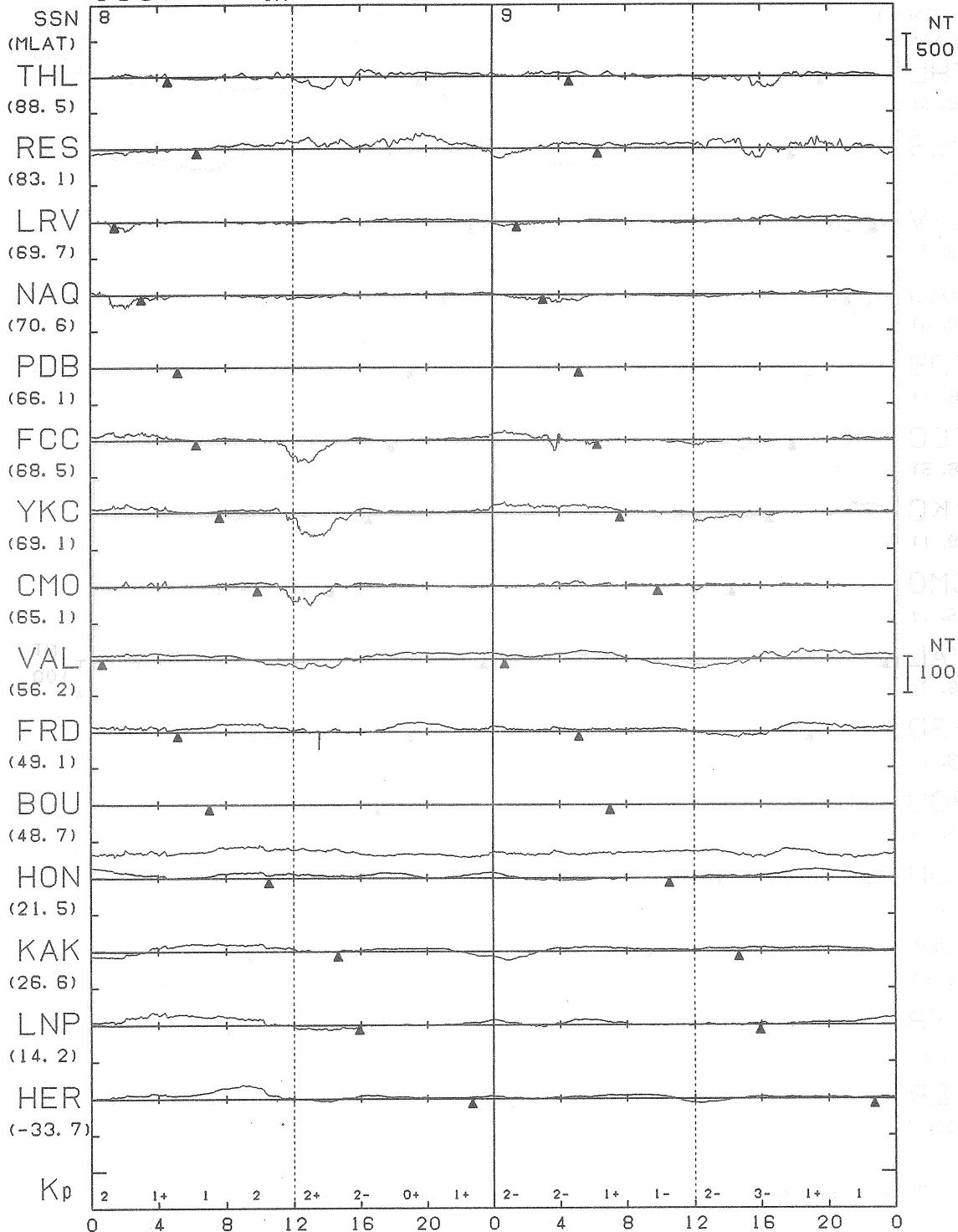
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



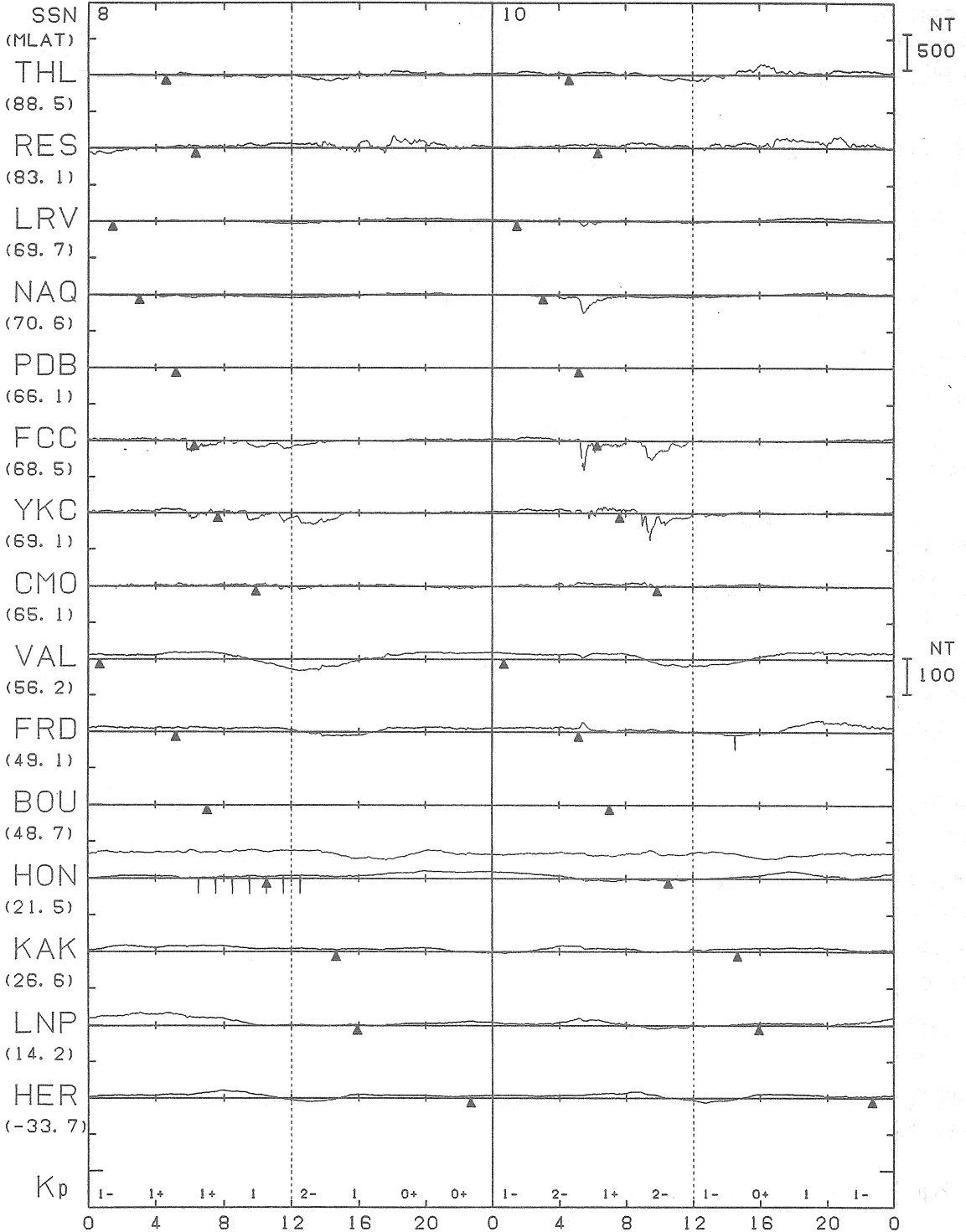
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



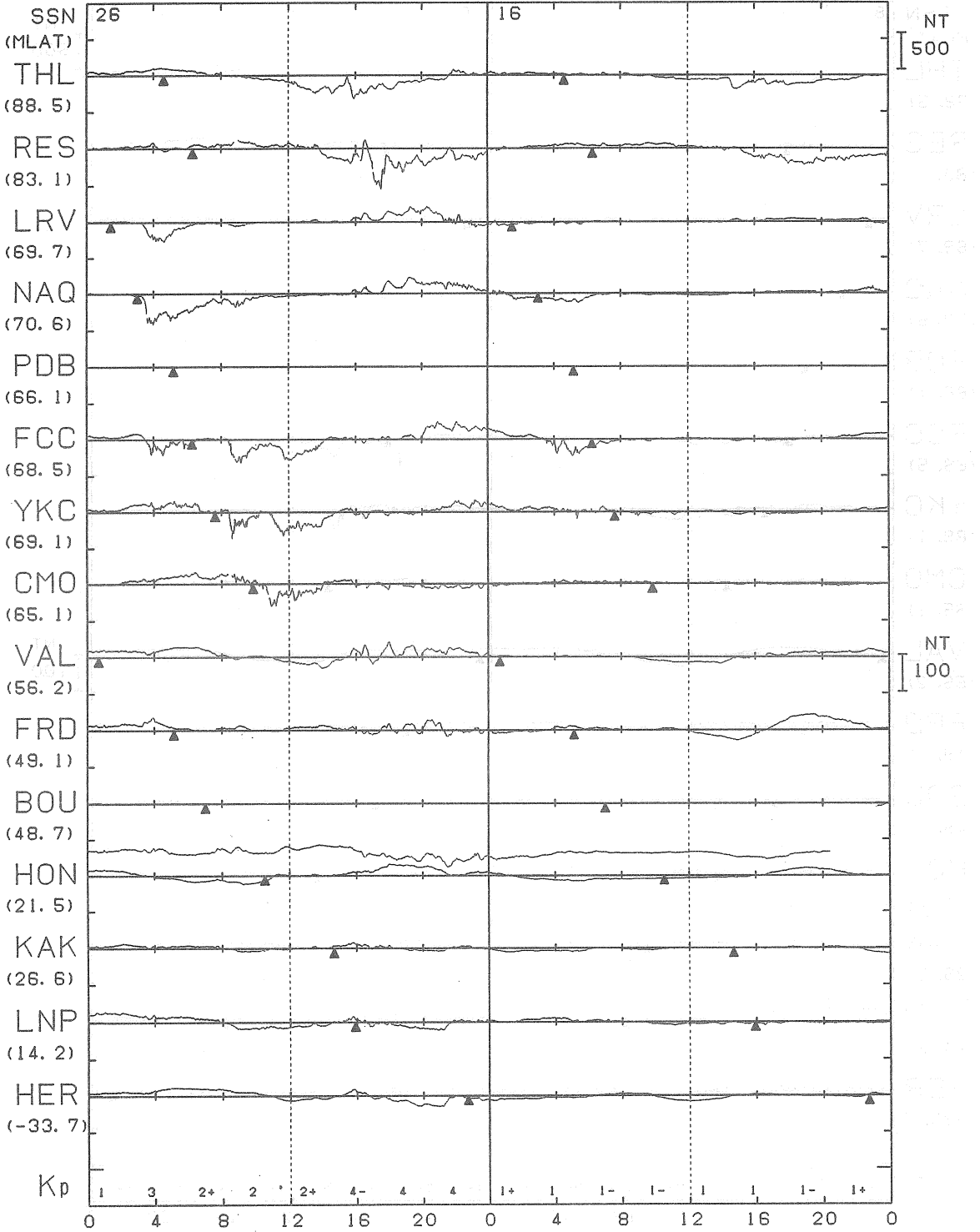
JUL 5  
(DAY 186)

JUL 6  
(DAY 187)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JUL 7  
(DAY 188)

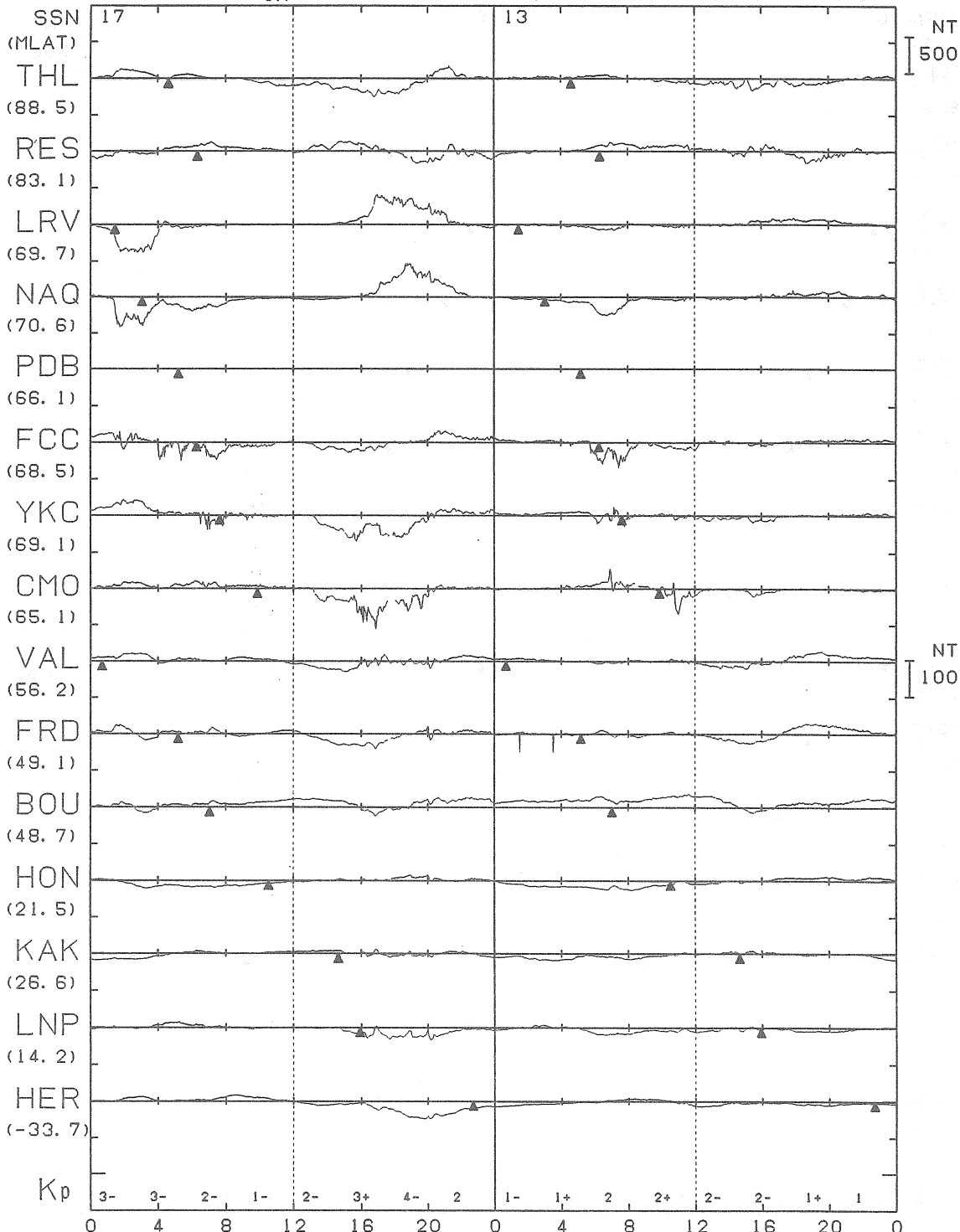
JUL 8  
(DAY 189)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

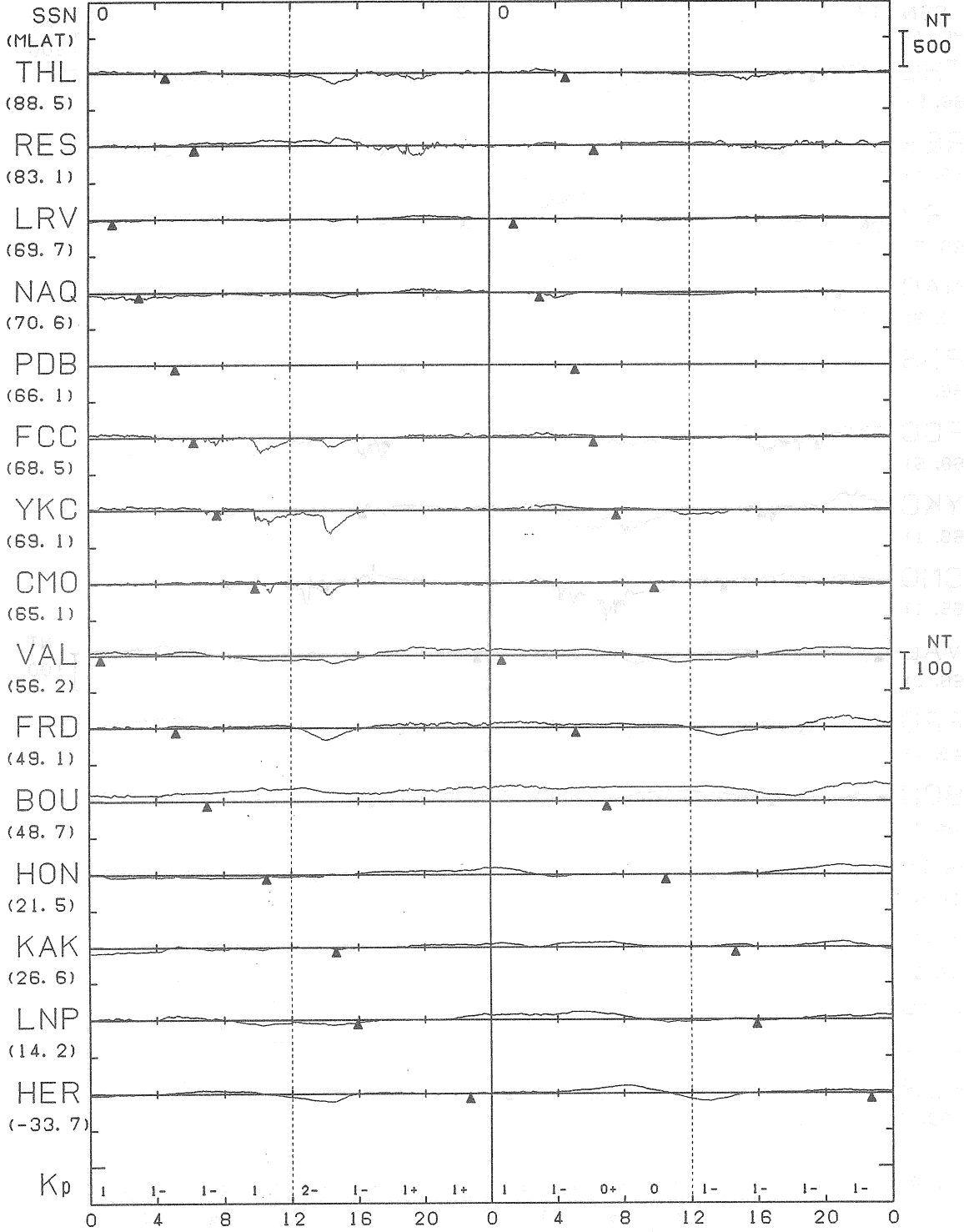
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

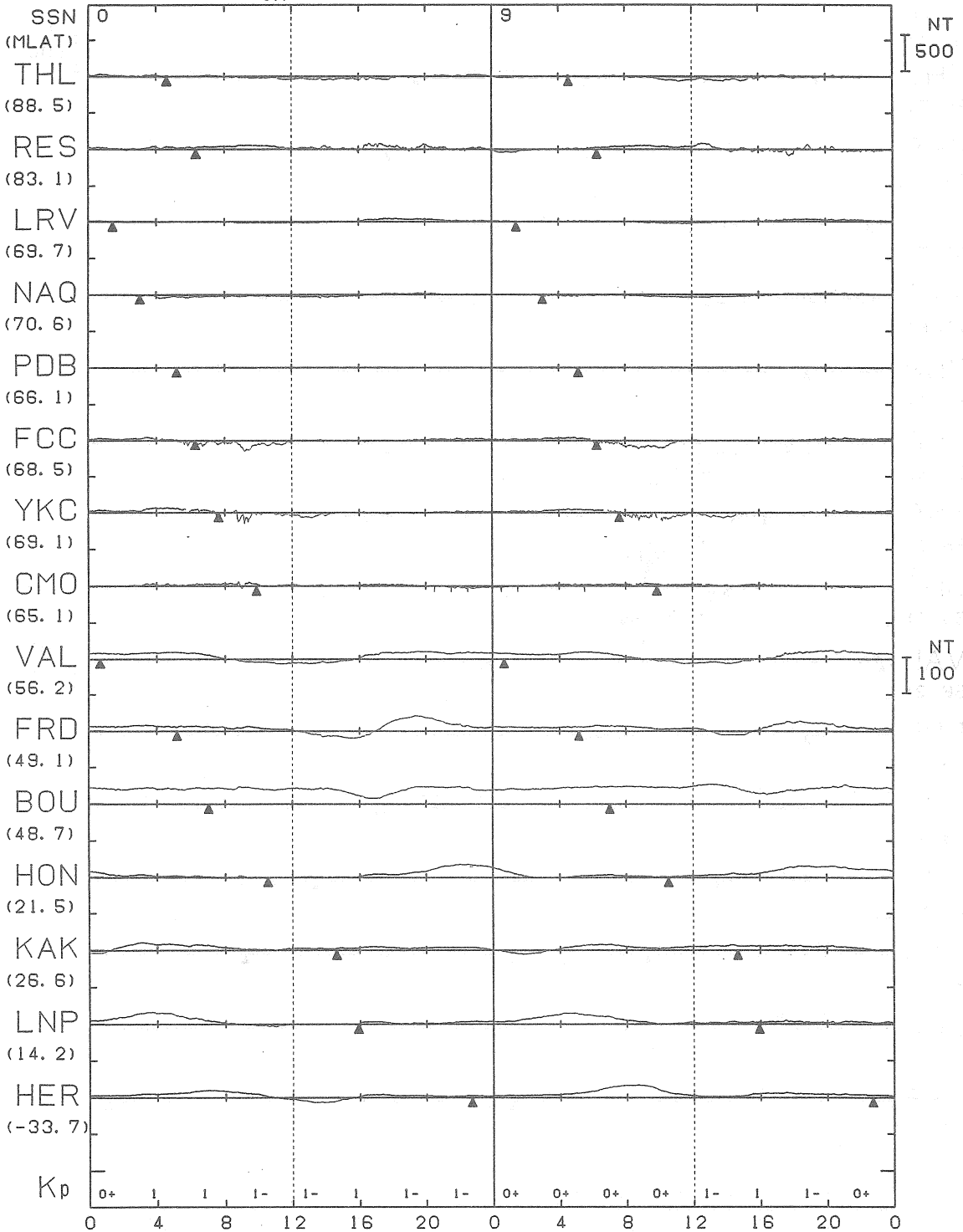
1997 H OR X-COMPONENT PNOI ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

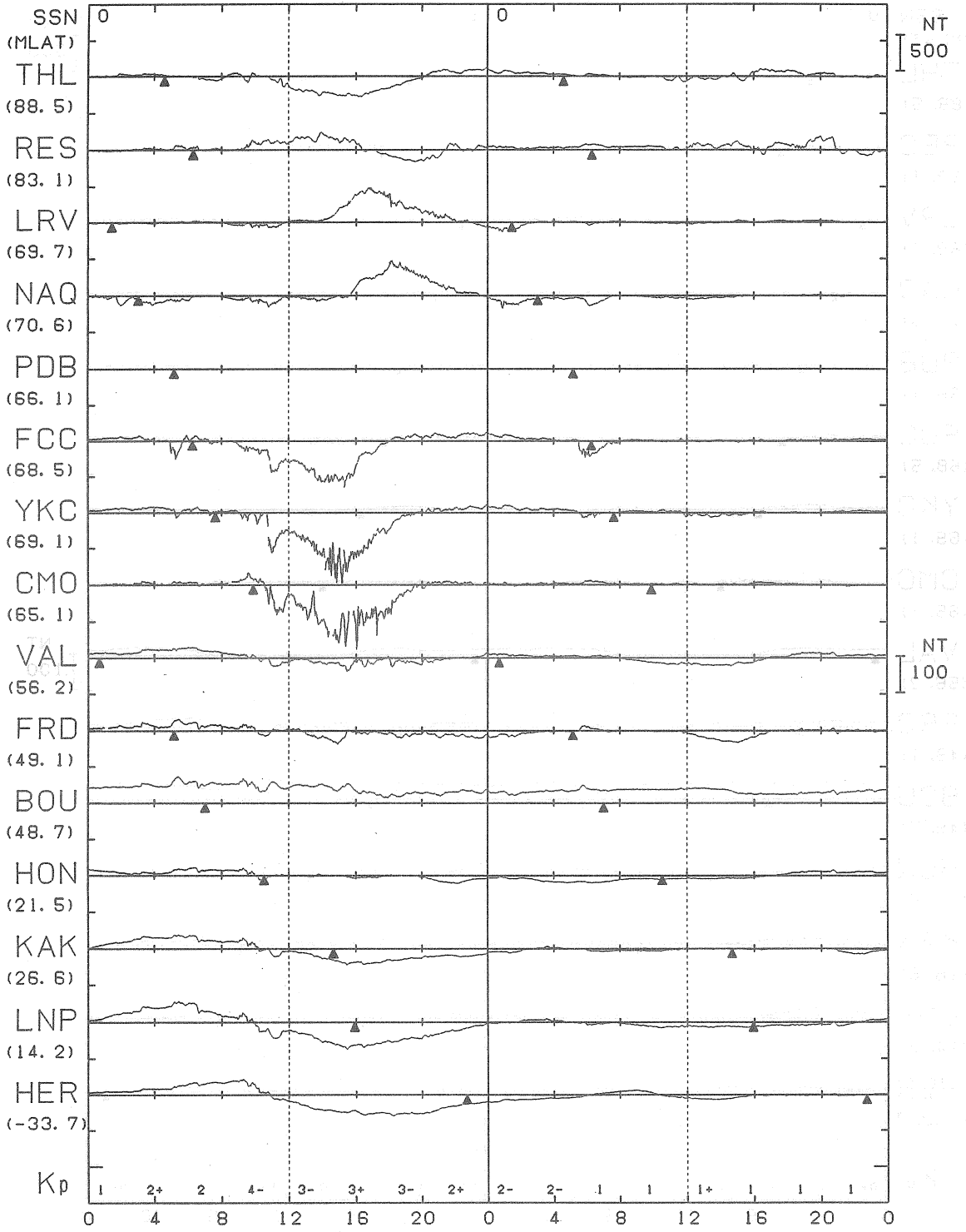
1997 H OR X-COMPONENT      ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



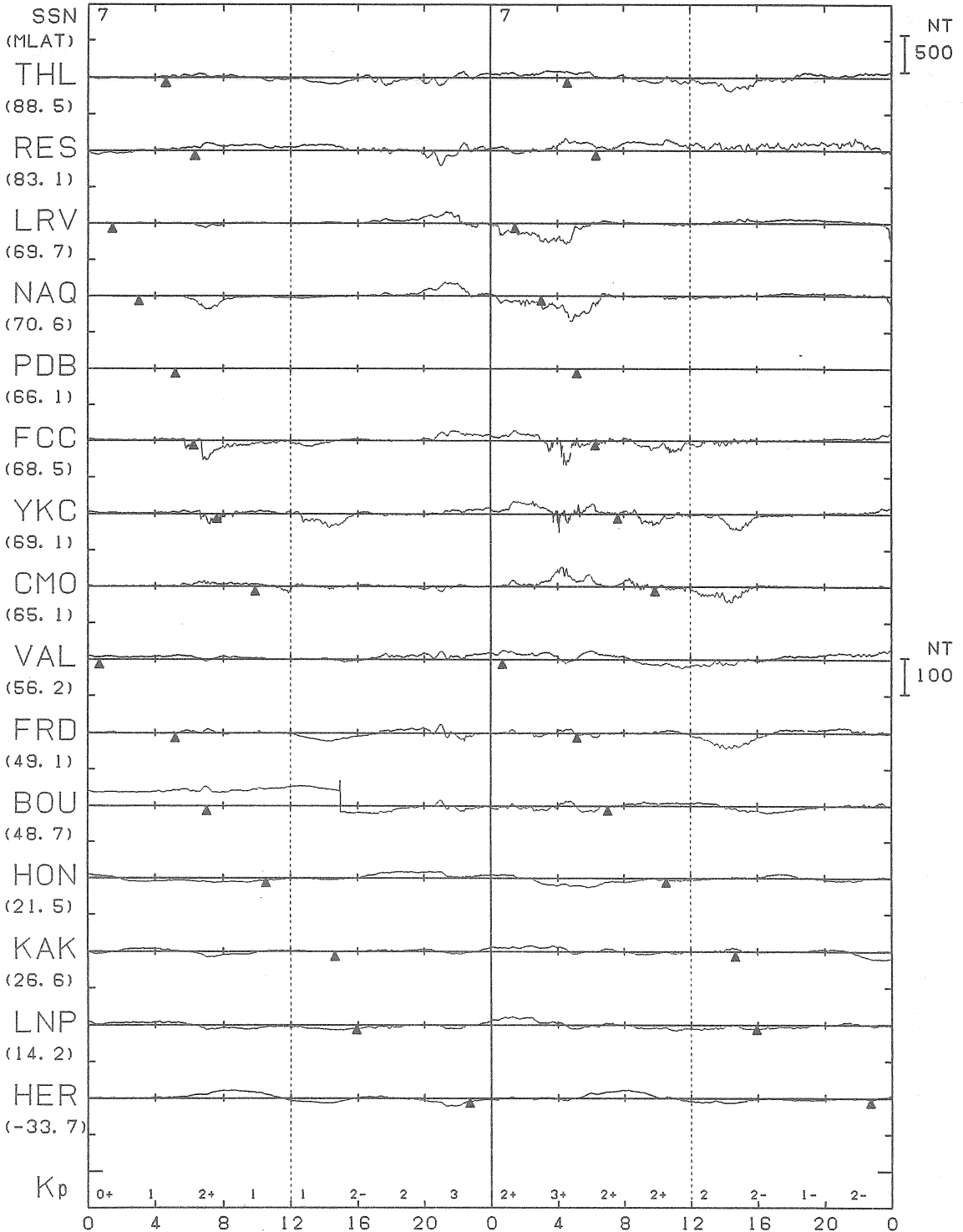
JUL 15 (DAY 196)

JUL 16 (DAY 197)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



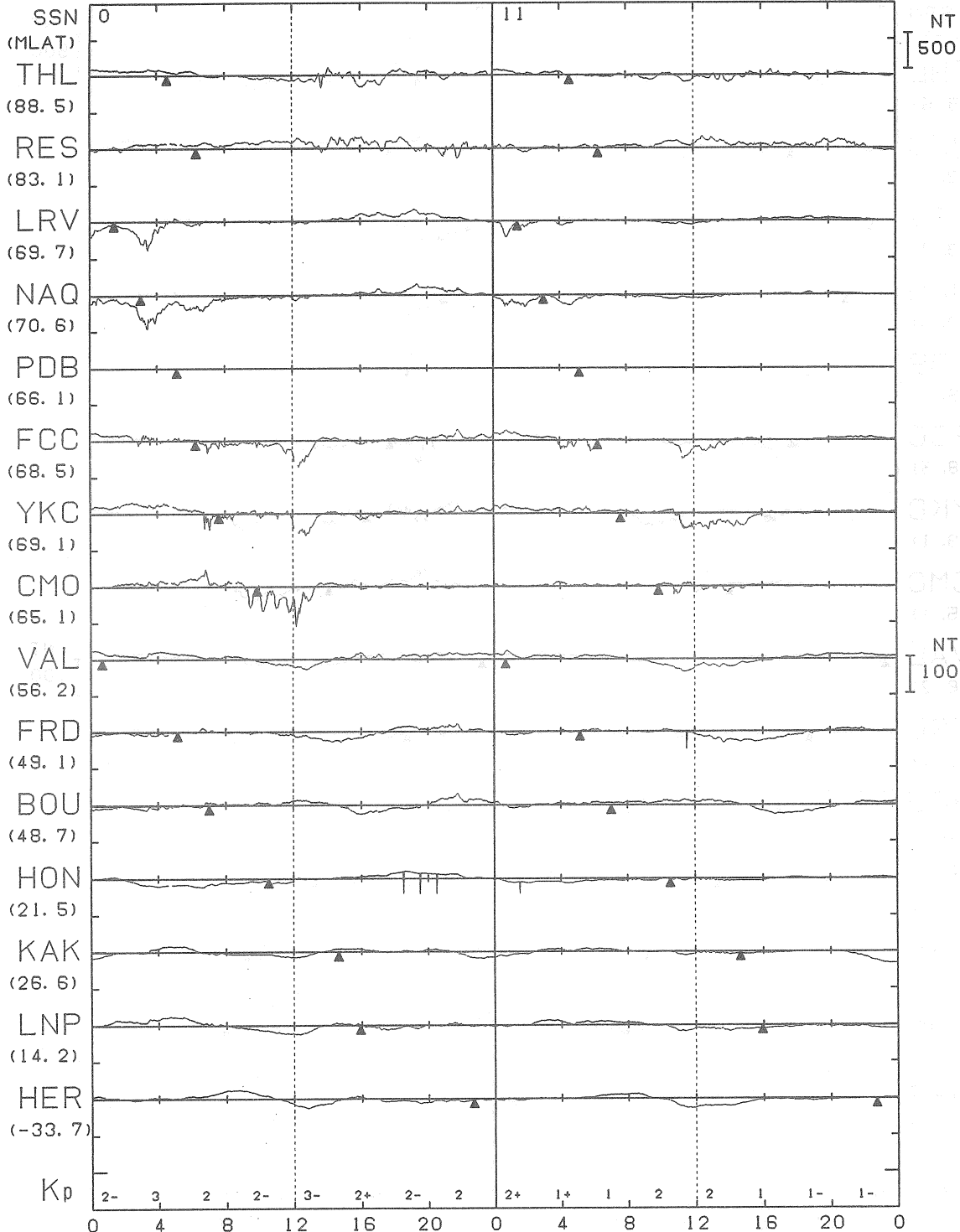
JUL 17  
(DAY 198)

JUL 18  
(DAY 199)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



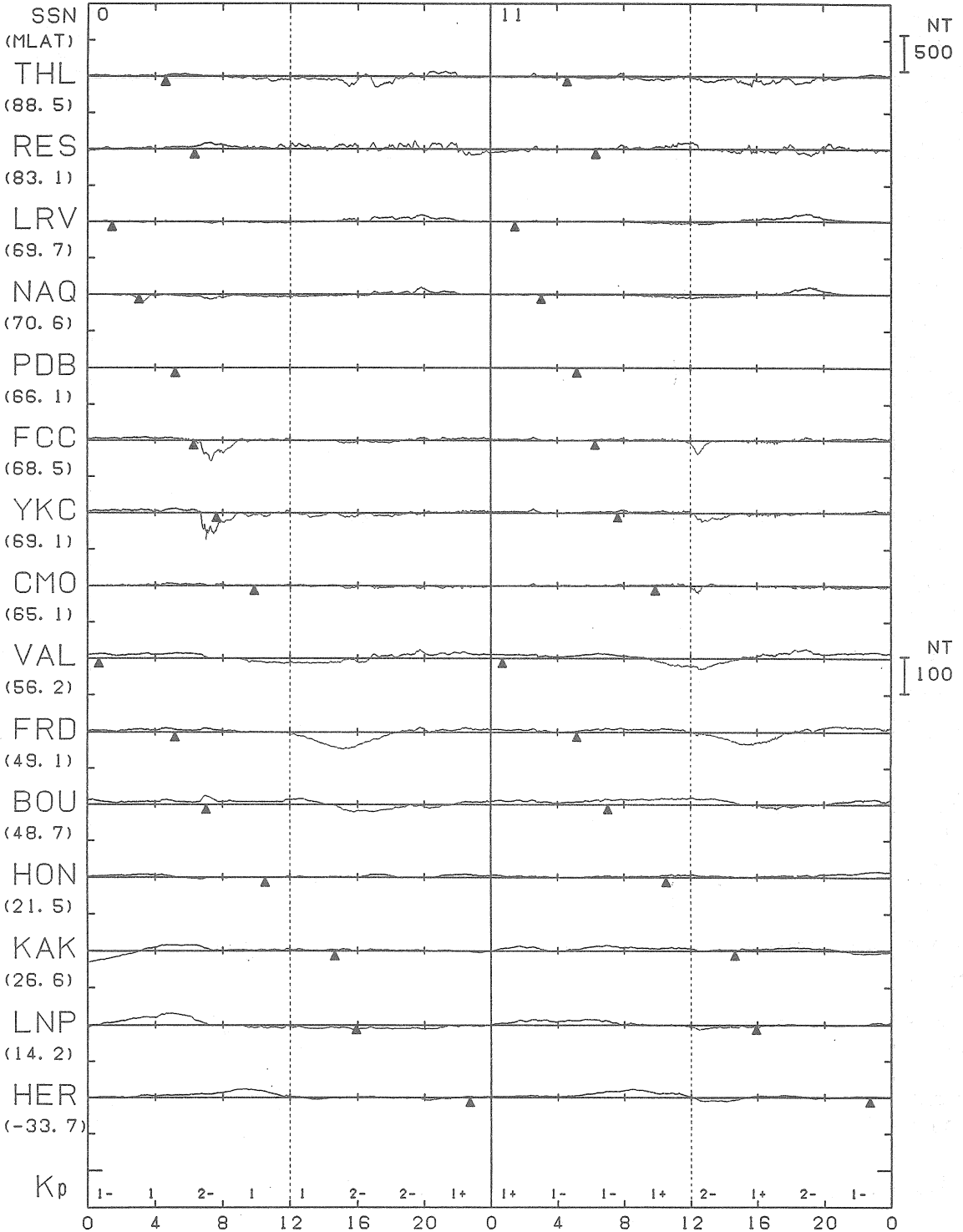
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



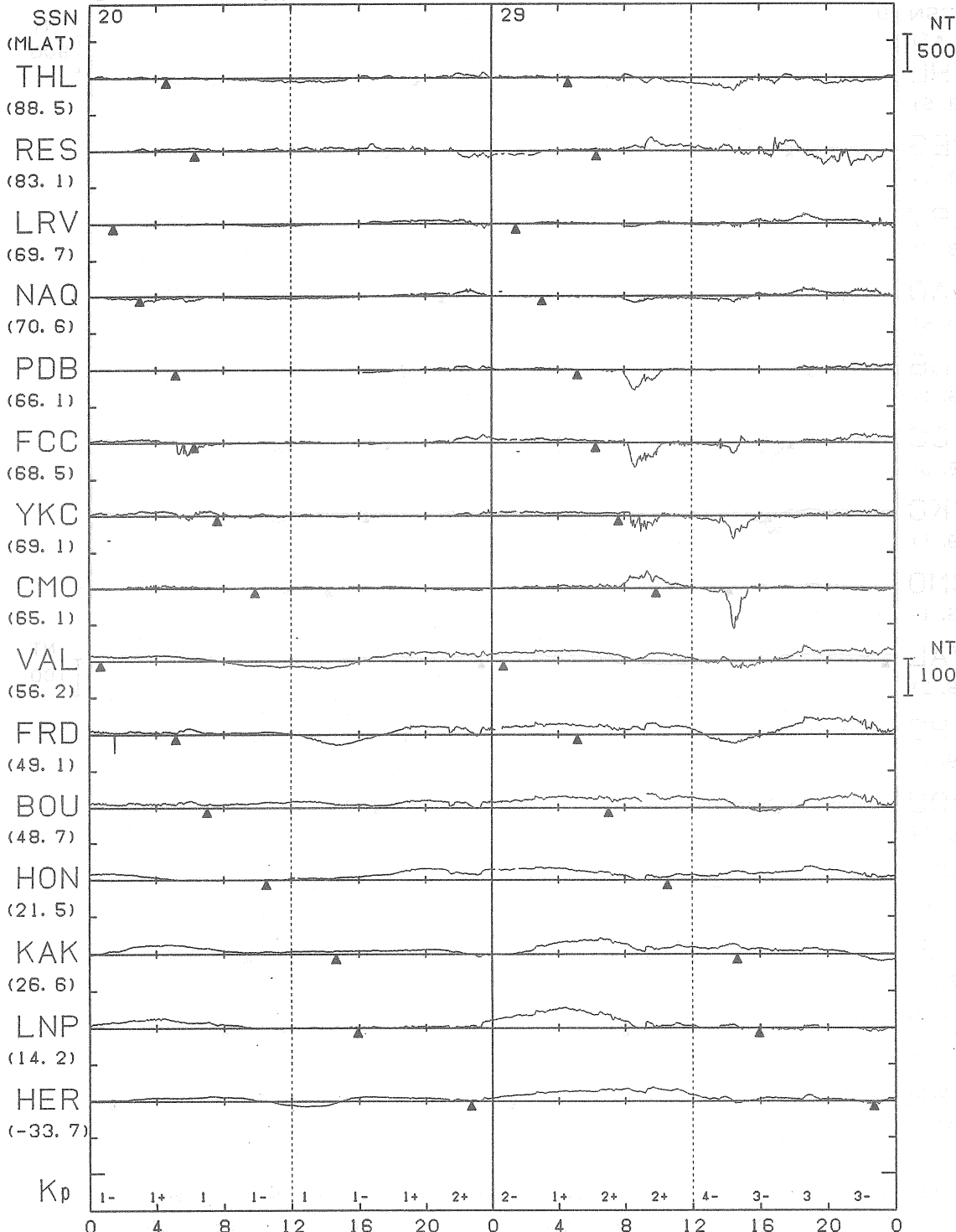
JUL 21  
(DAY 202)

JUL 22  
(DAY 203)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



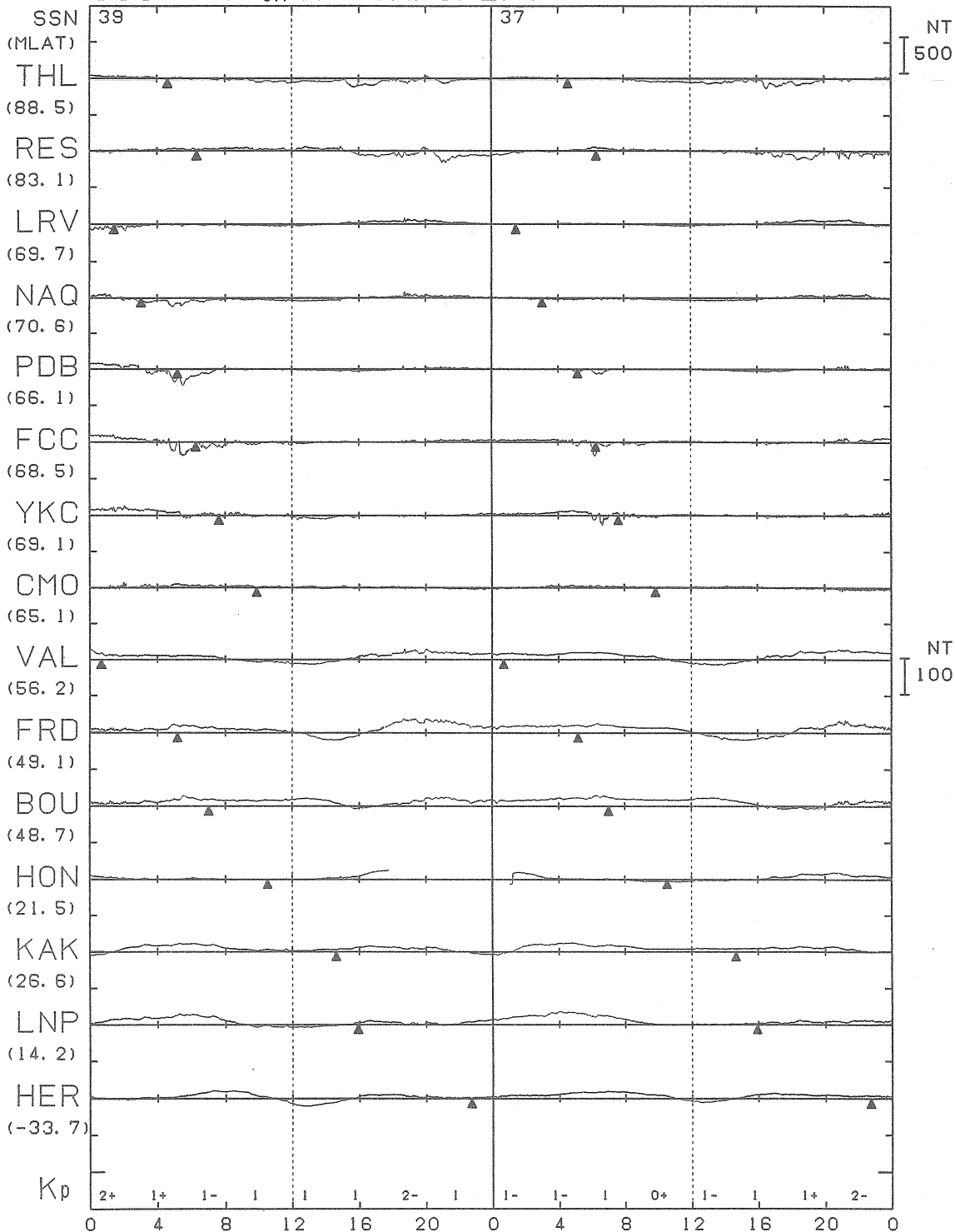
JUL 23  
(DAY 204)

JUL 24  
(DAY 205)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH  
 KYOTO UNIV.

# 1997 H OR X-COMPONENT

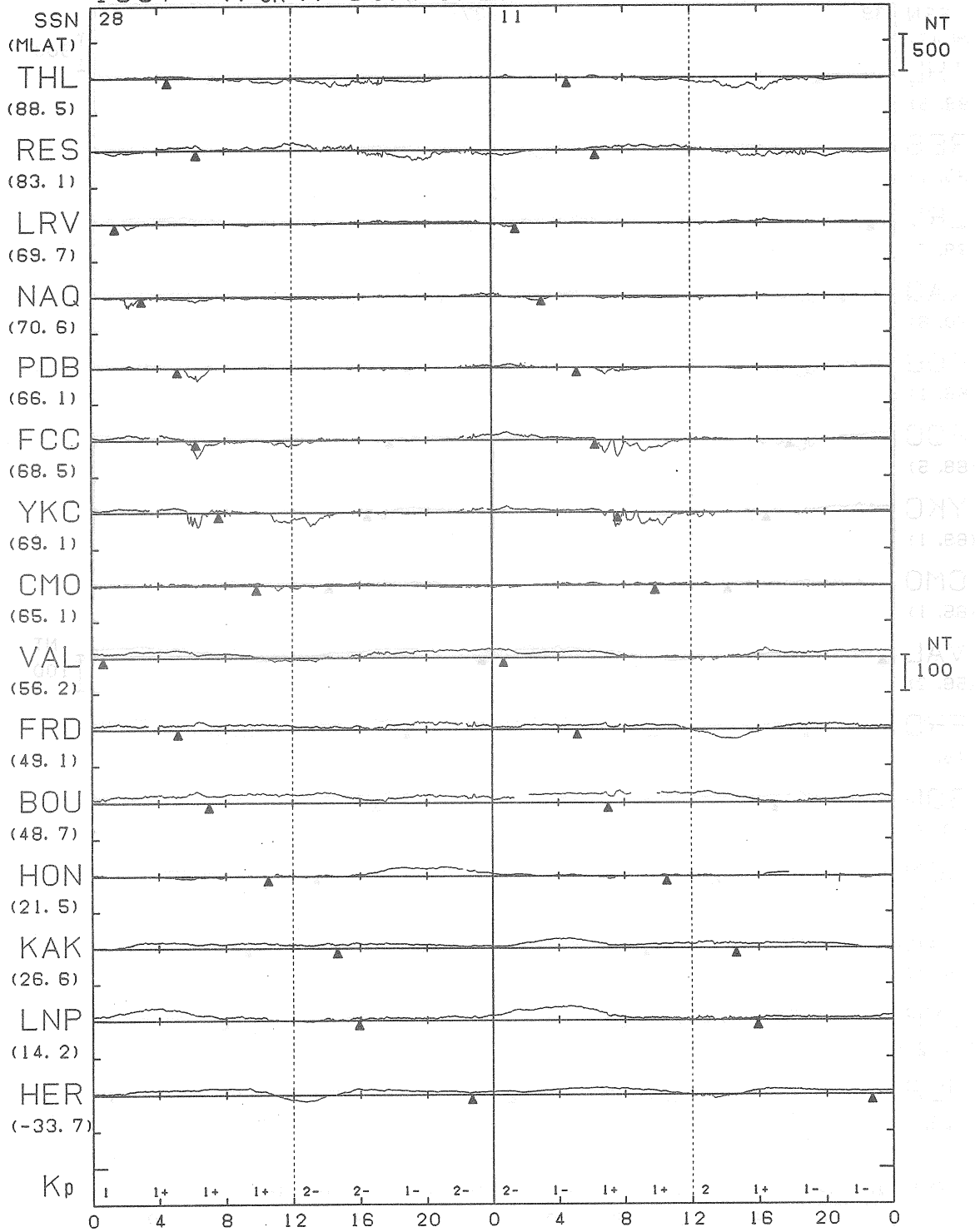
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

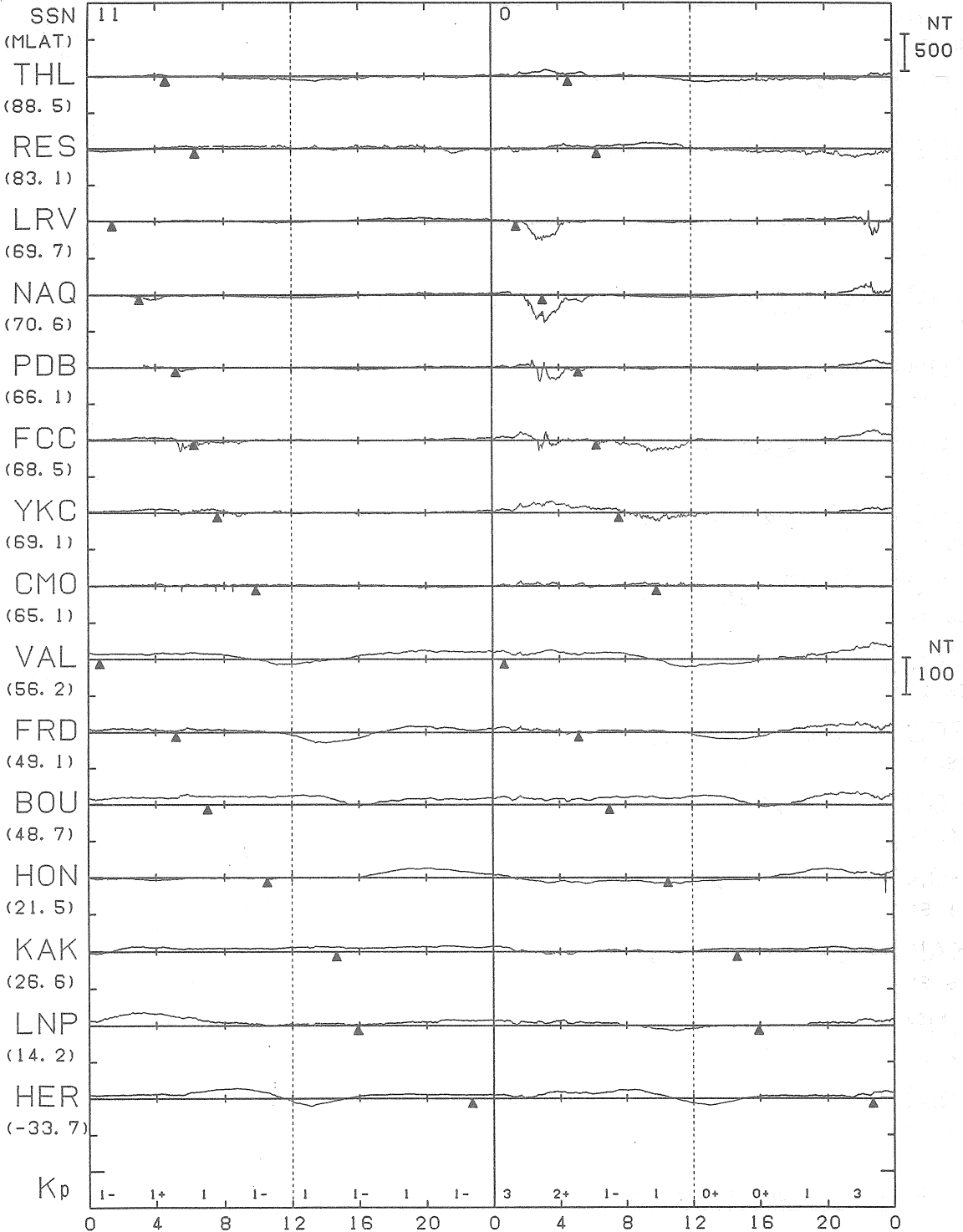
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

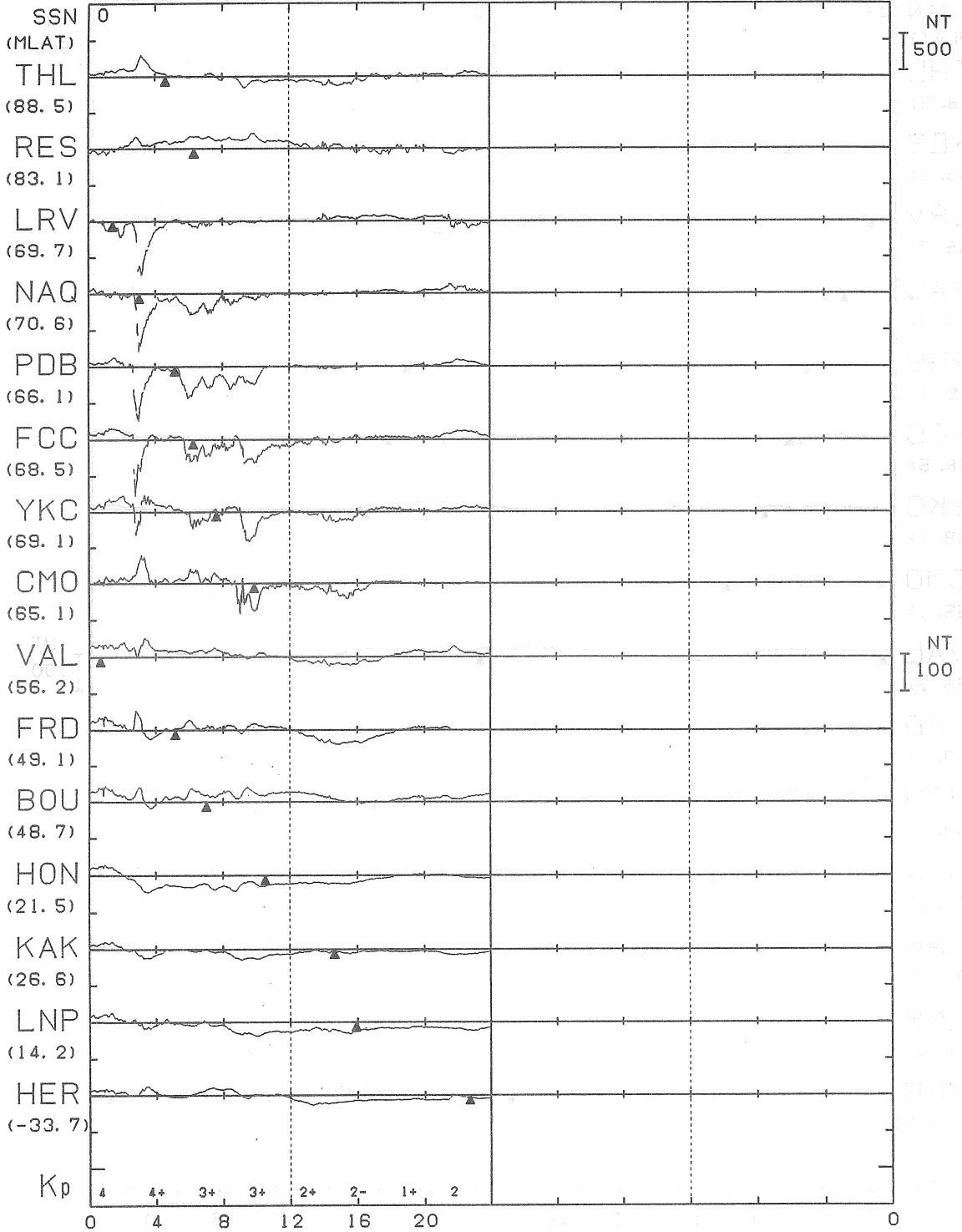
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



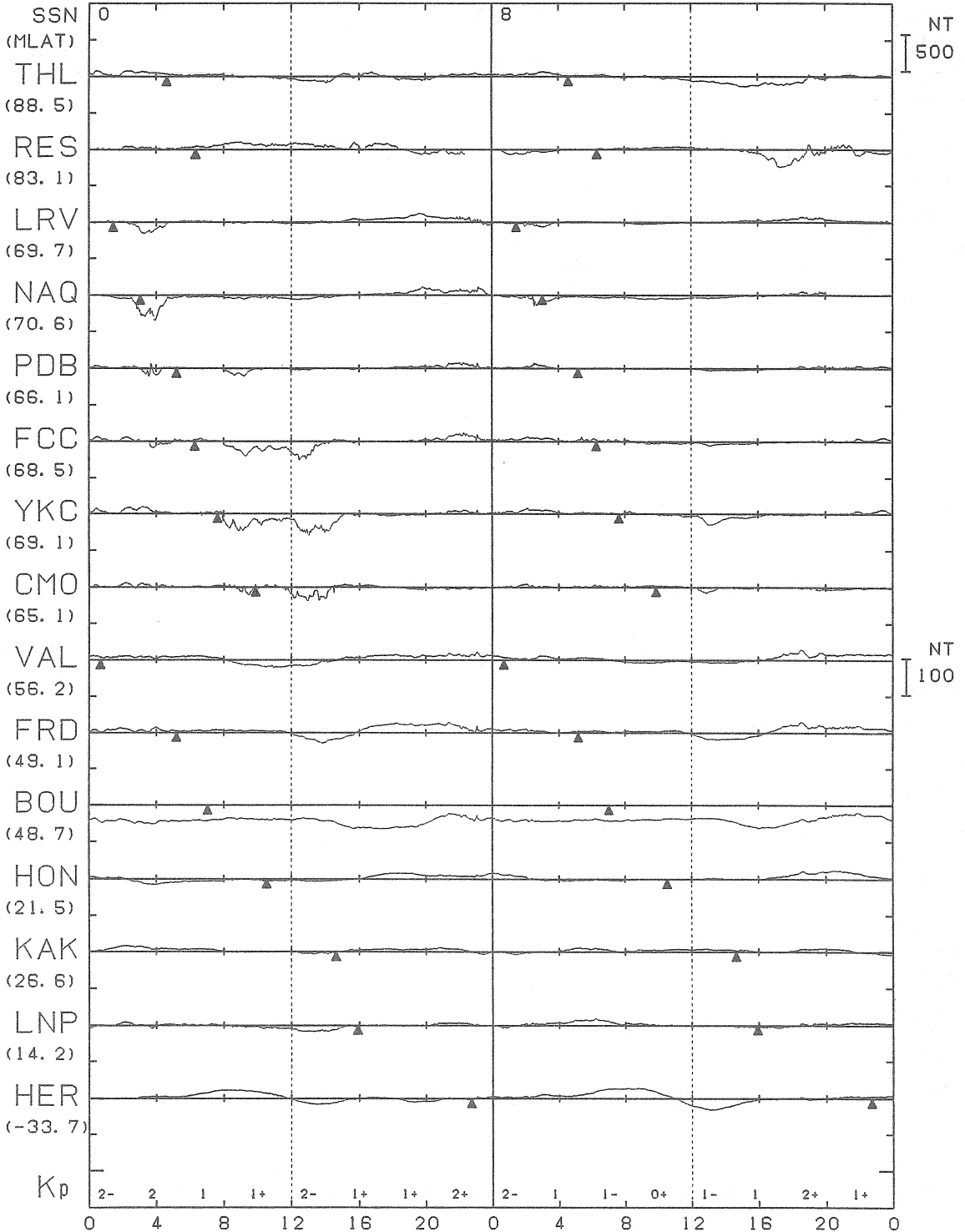
JUL 31  
(DAY 212)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



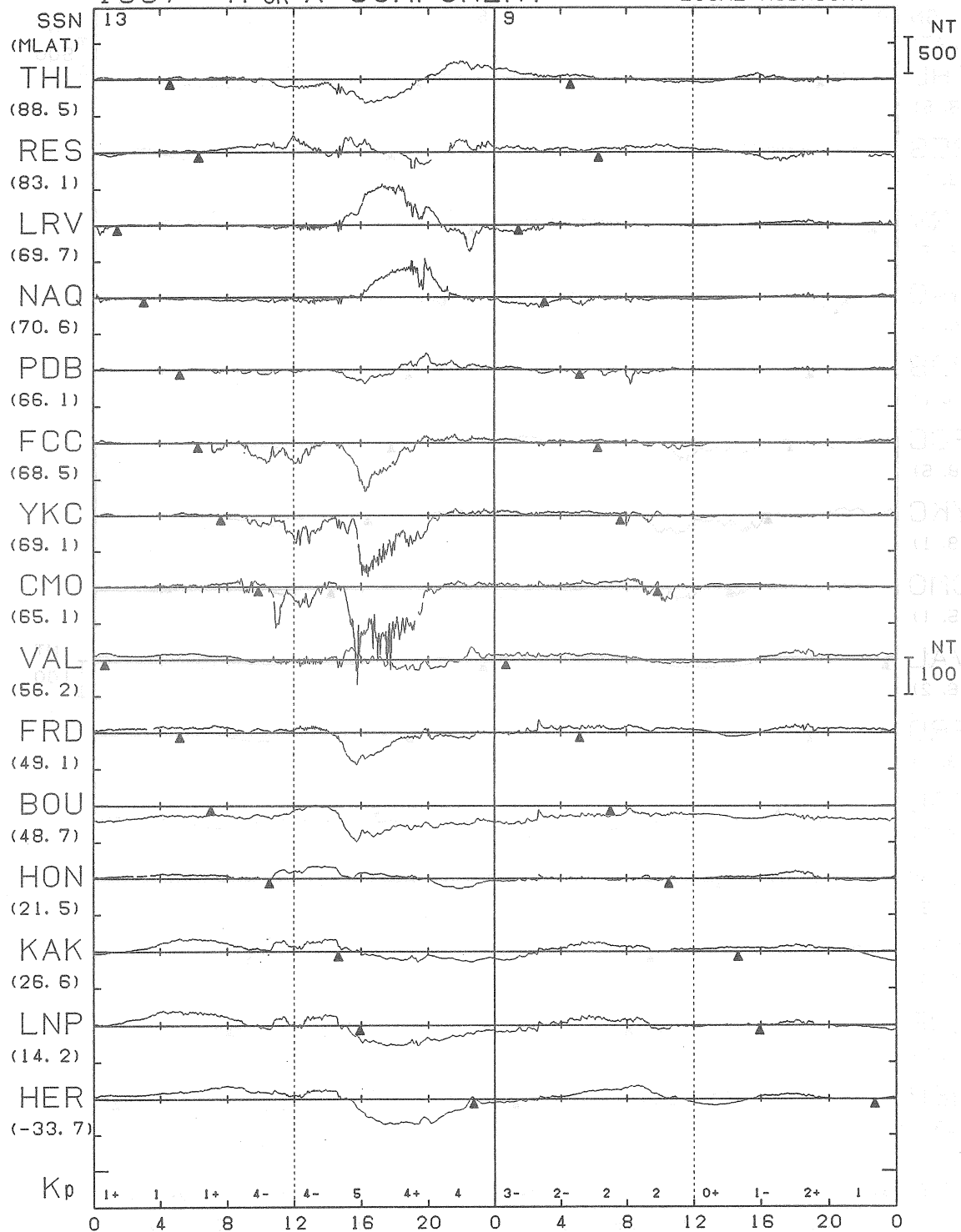
AUG 1  
(DAY 213)

AUG 2  
(DAY 214)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT



AUG 3  
(DAY 215)

AUG 4  
(DAY 216)

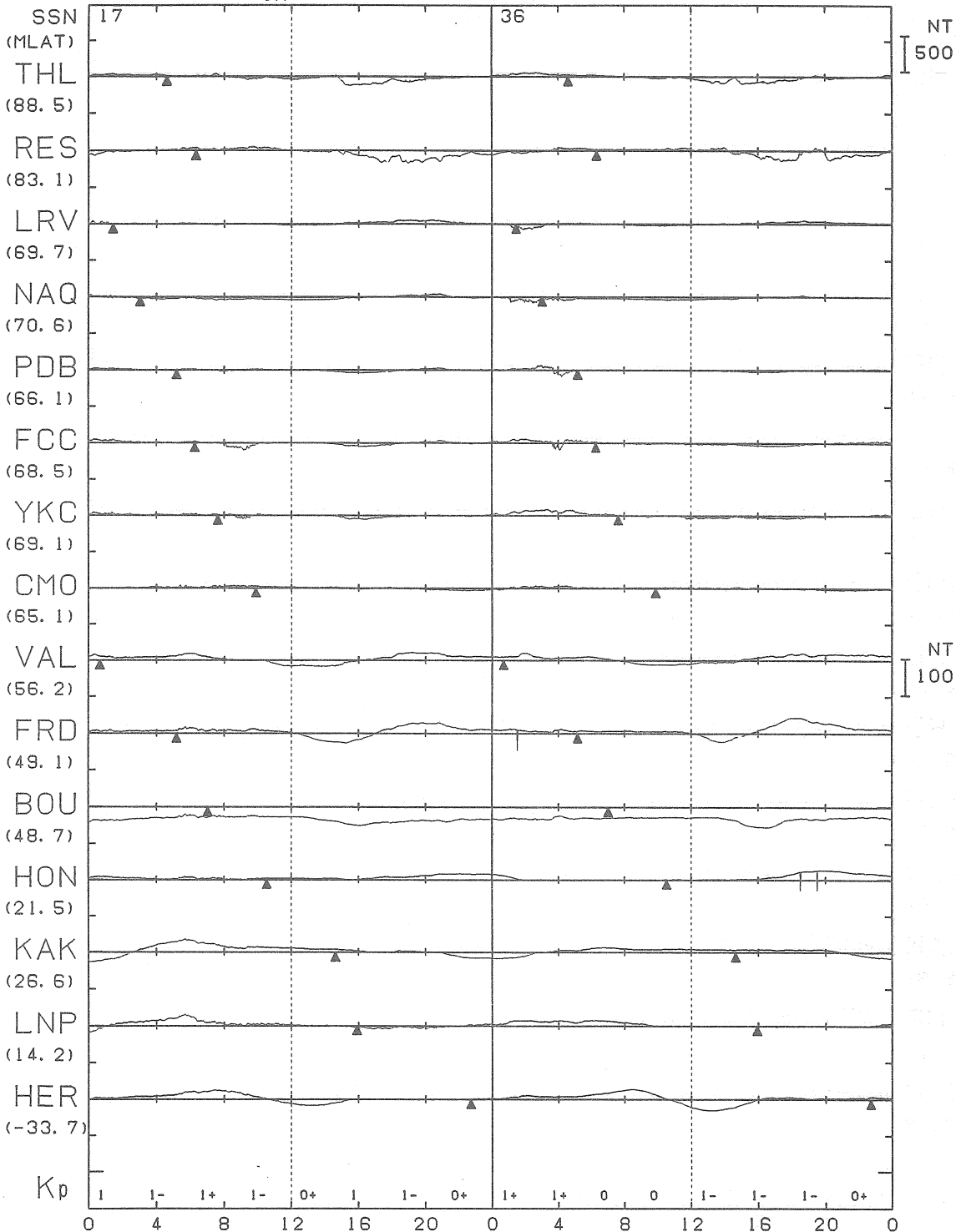
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



AUG 5  
(DAY 217)

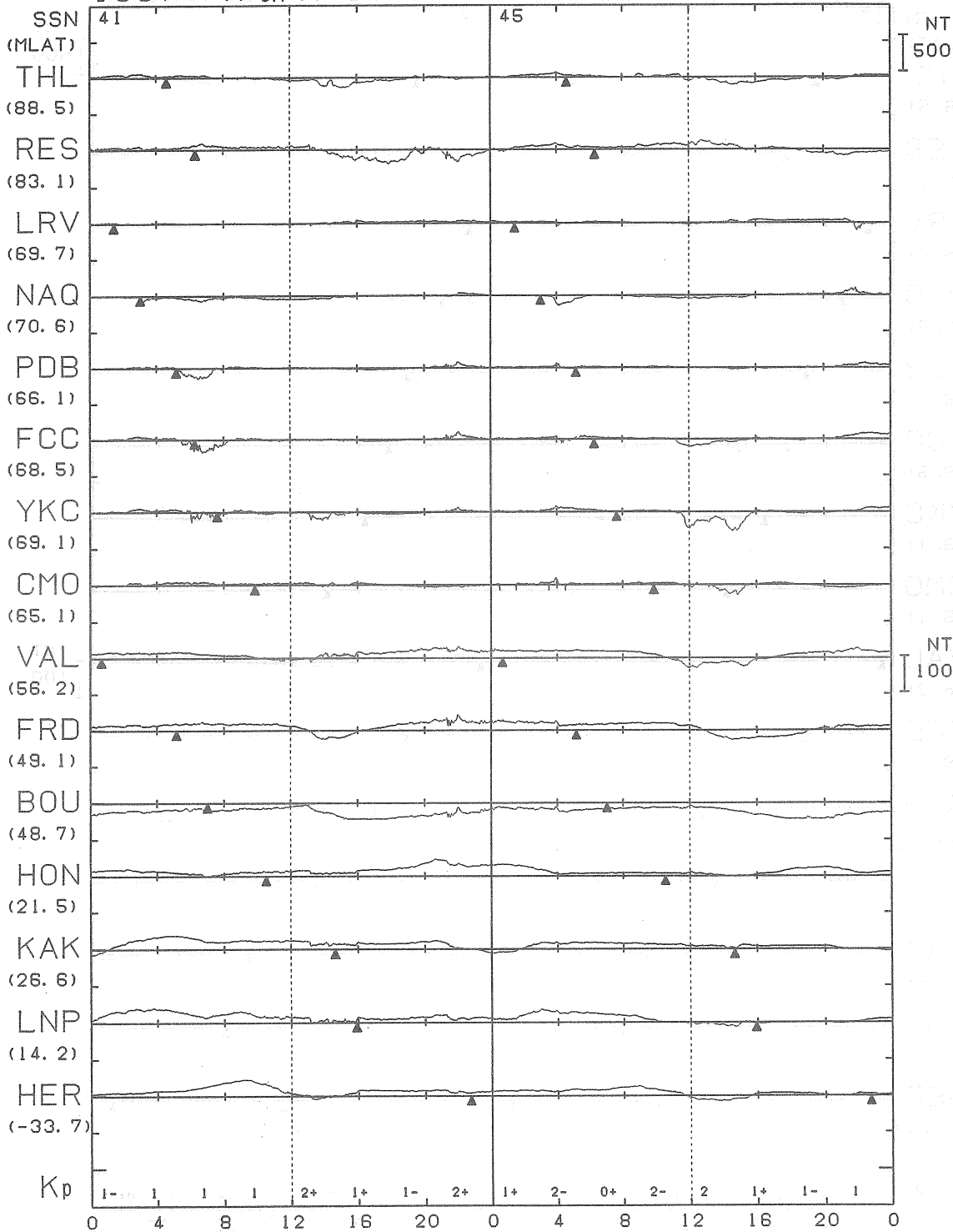
AUG 6  
(DAY 218)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

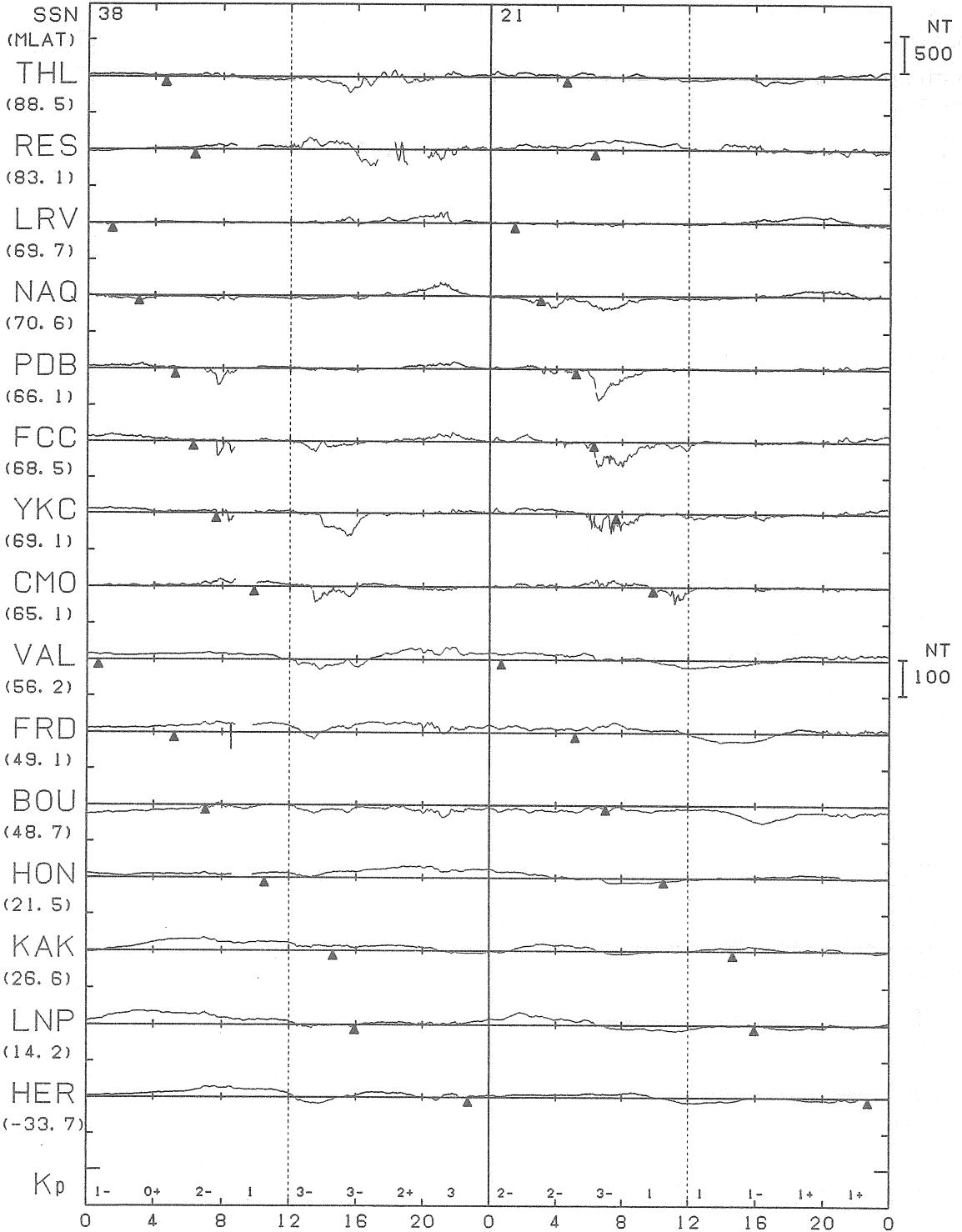


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



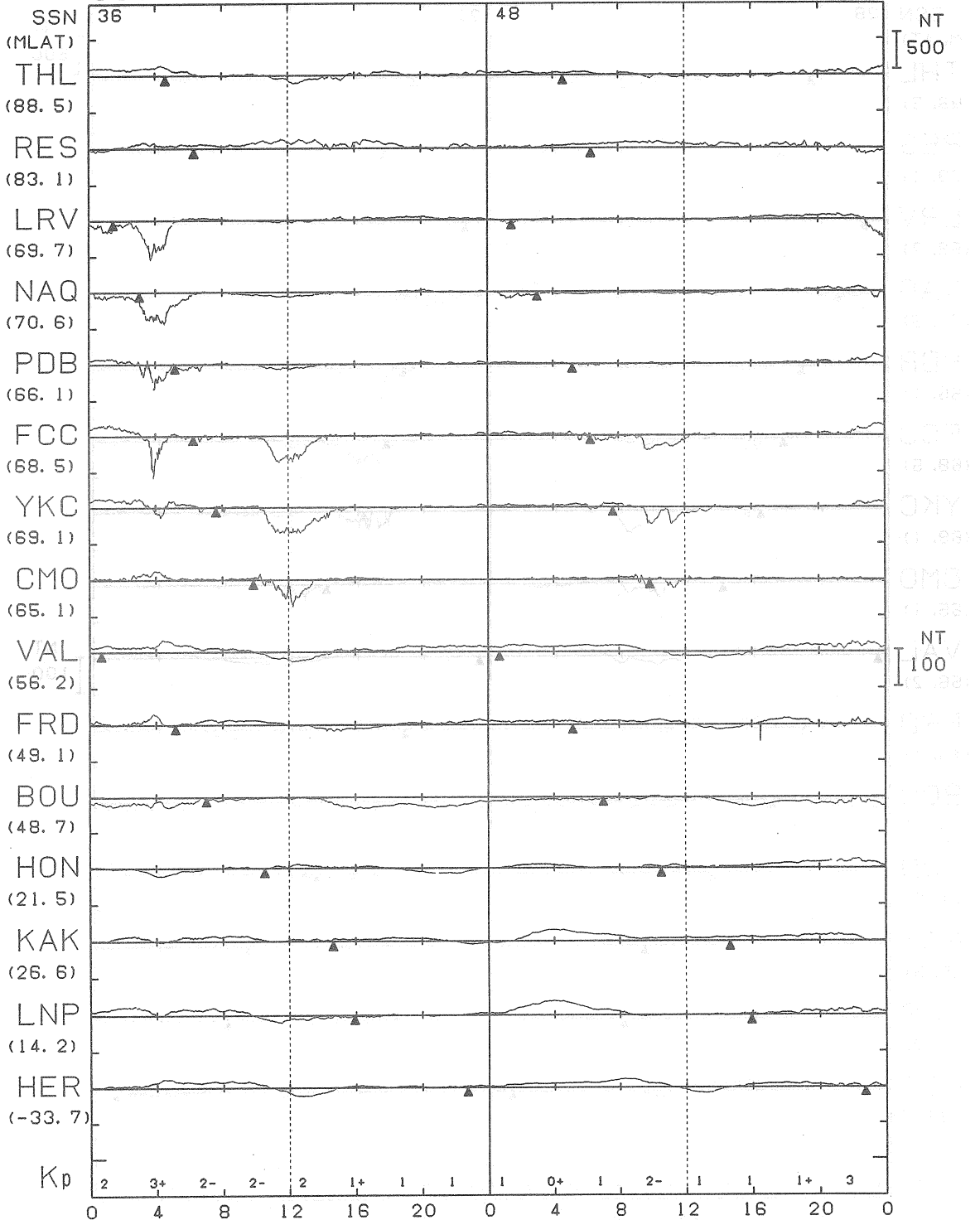
AUG 9  
(DAY 221)

AUG 10  
(DAY 222)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

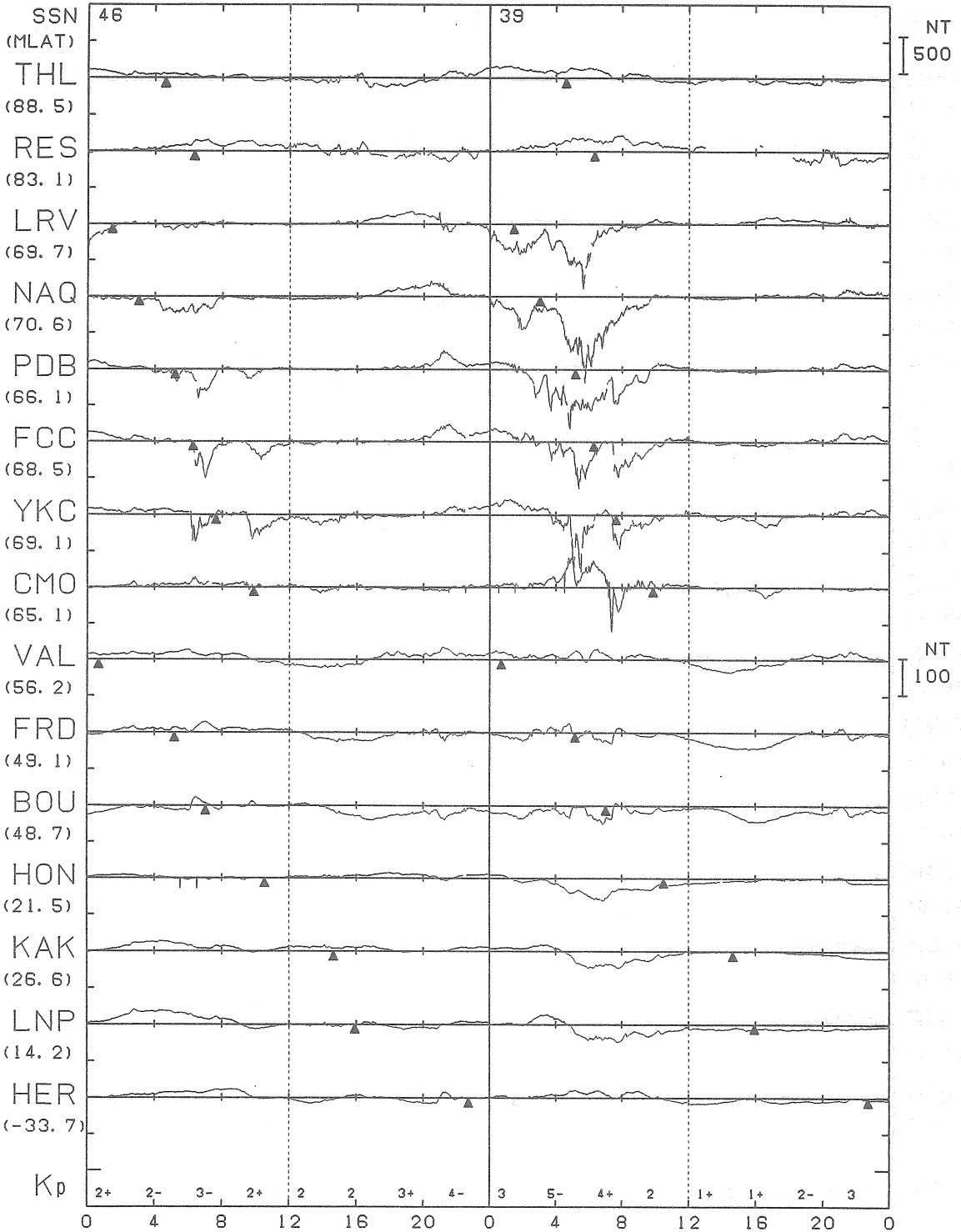


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

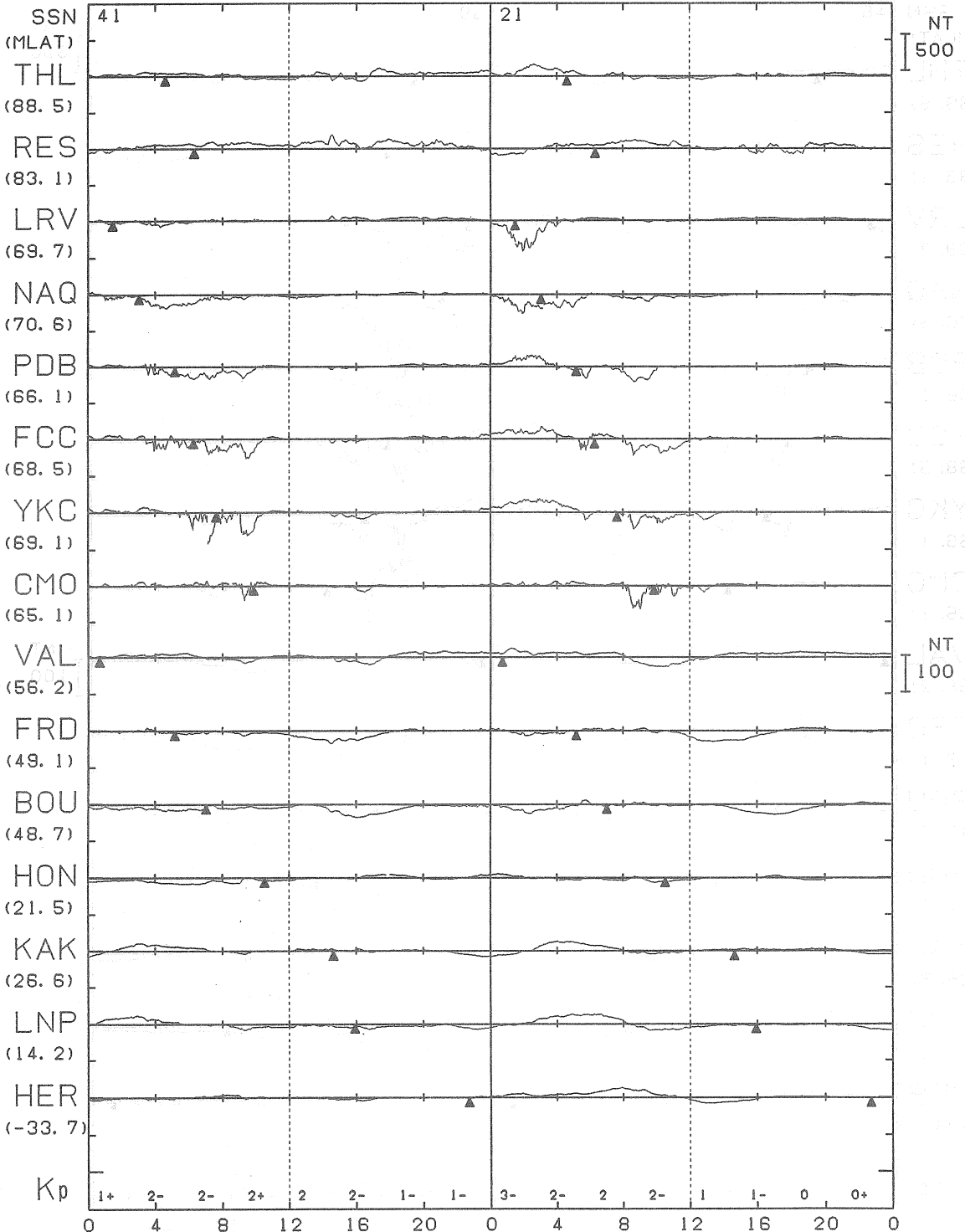


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



AUG 15  
(DAY 227)

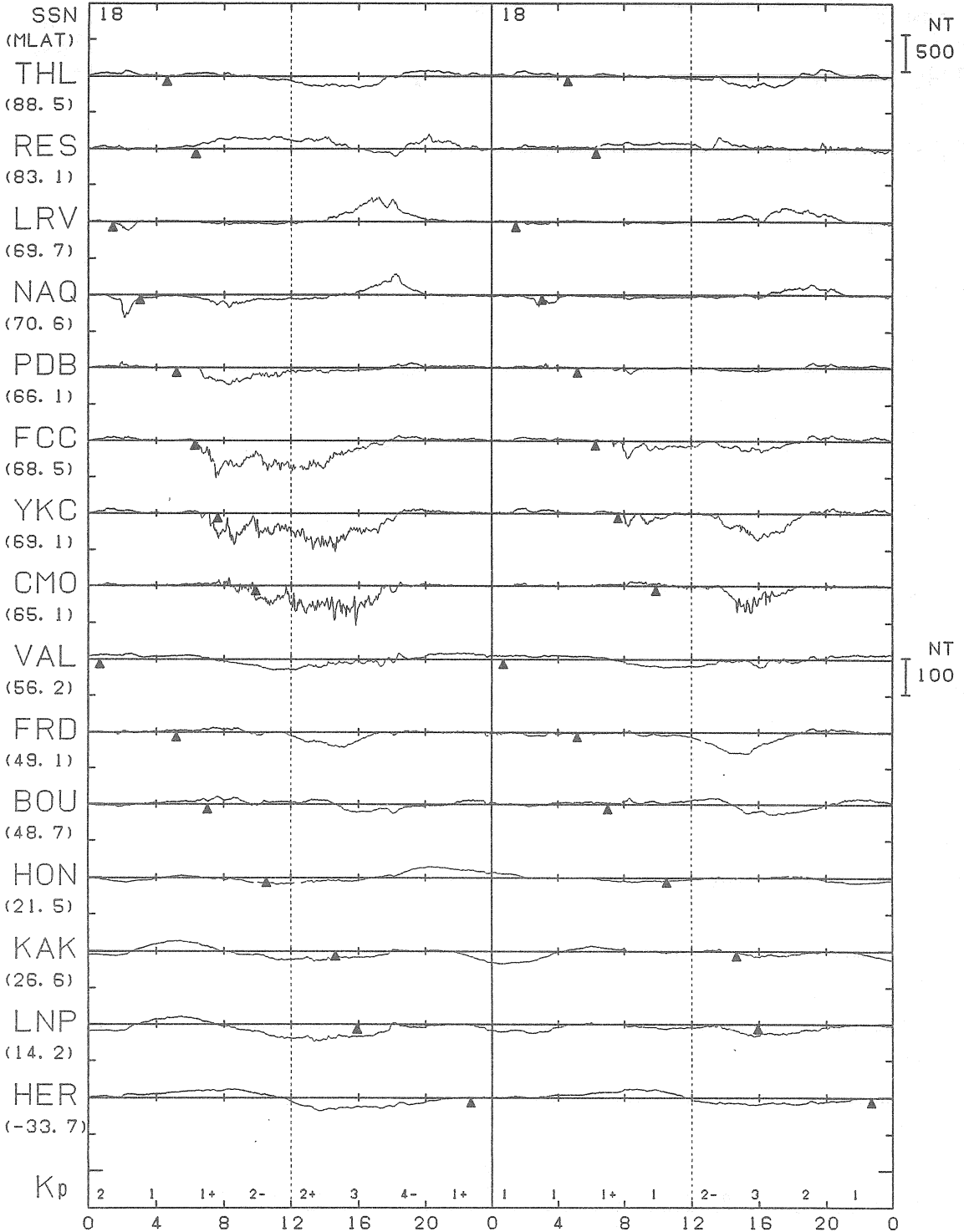
AUG 16  
(DAY 228)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

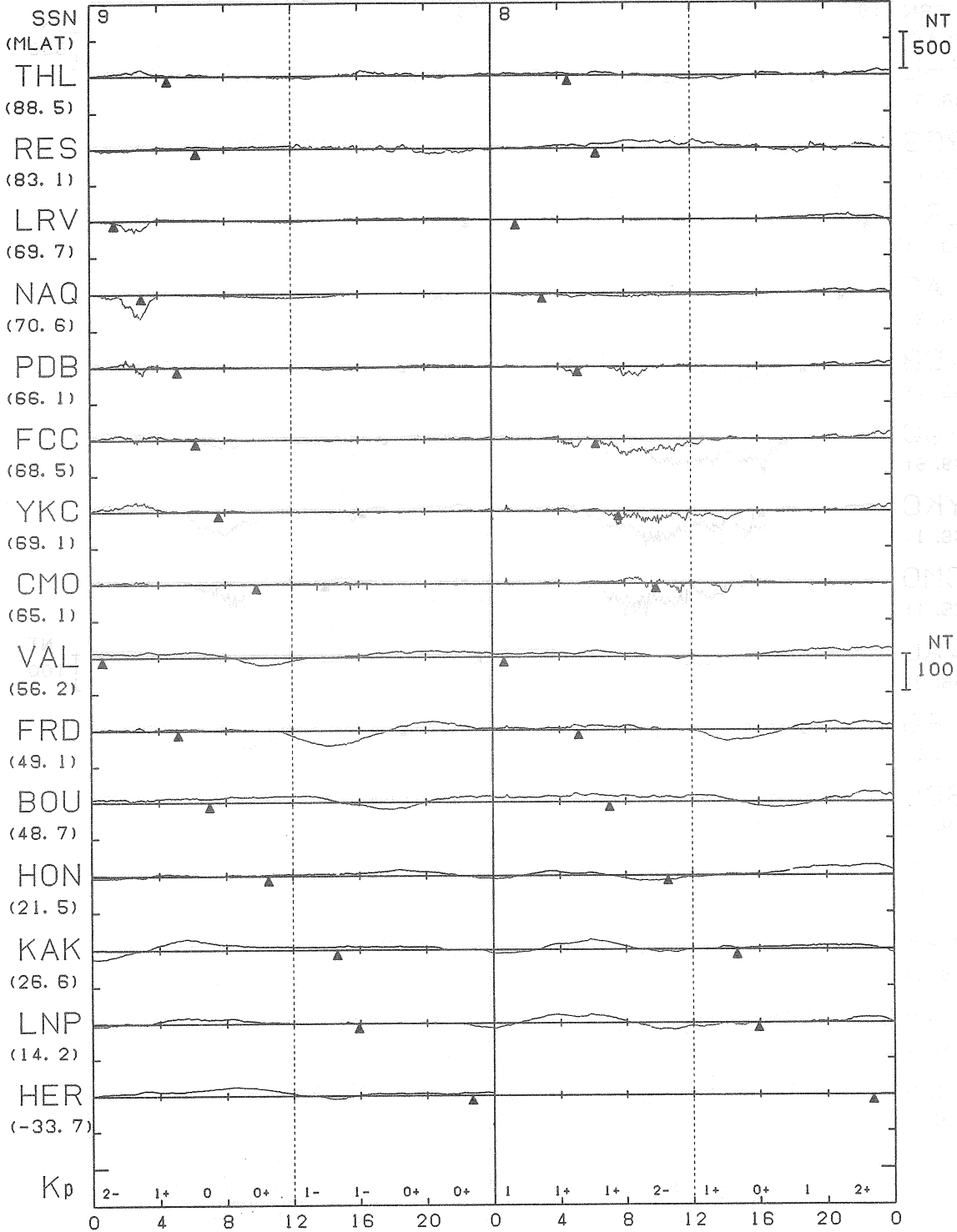
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



AUG 19  
(DAY 231)

AUG 20  
(DAY 232)

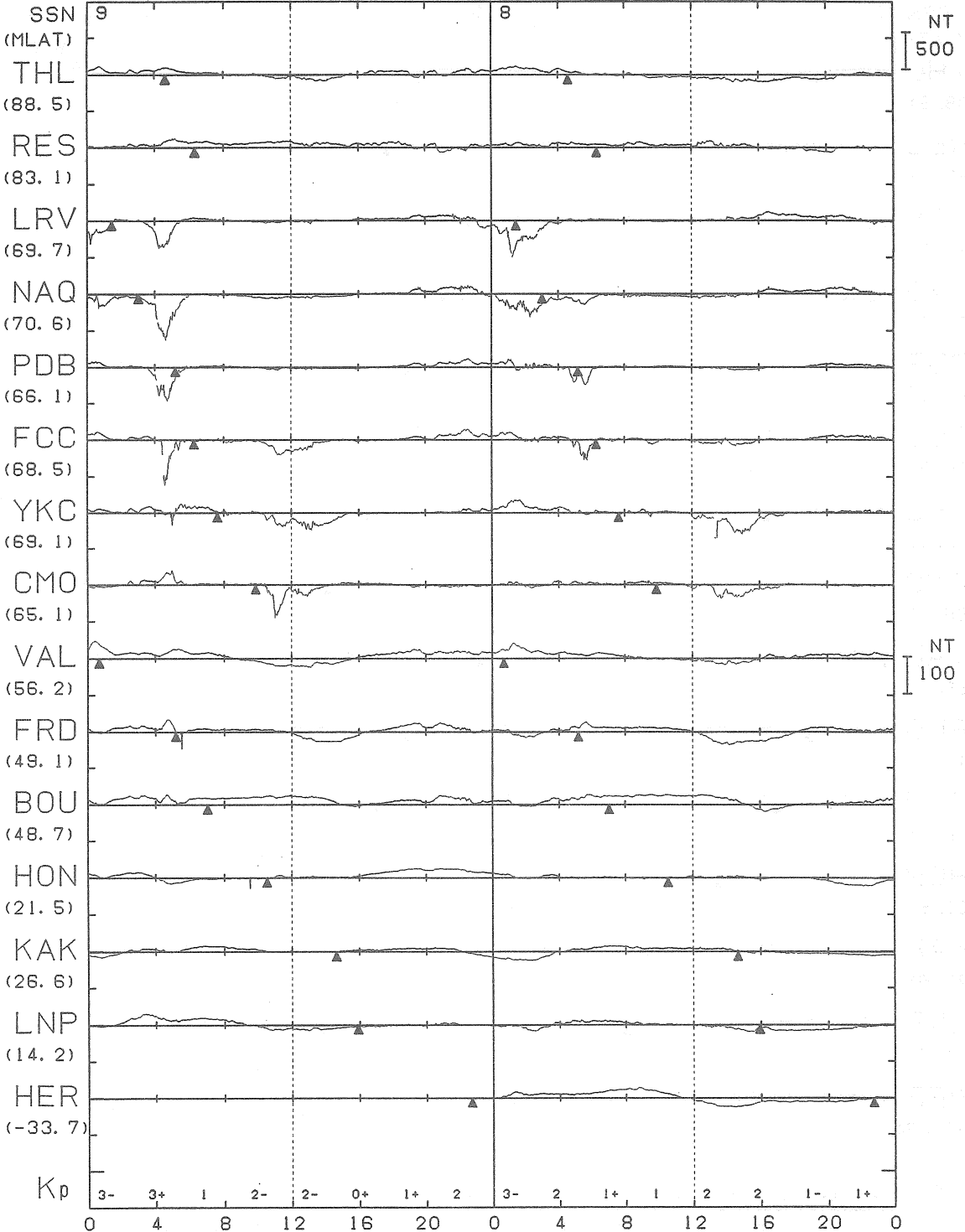
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



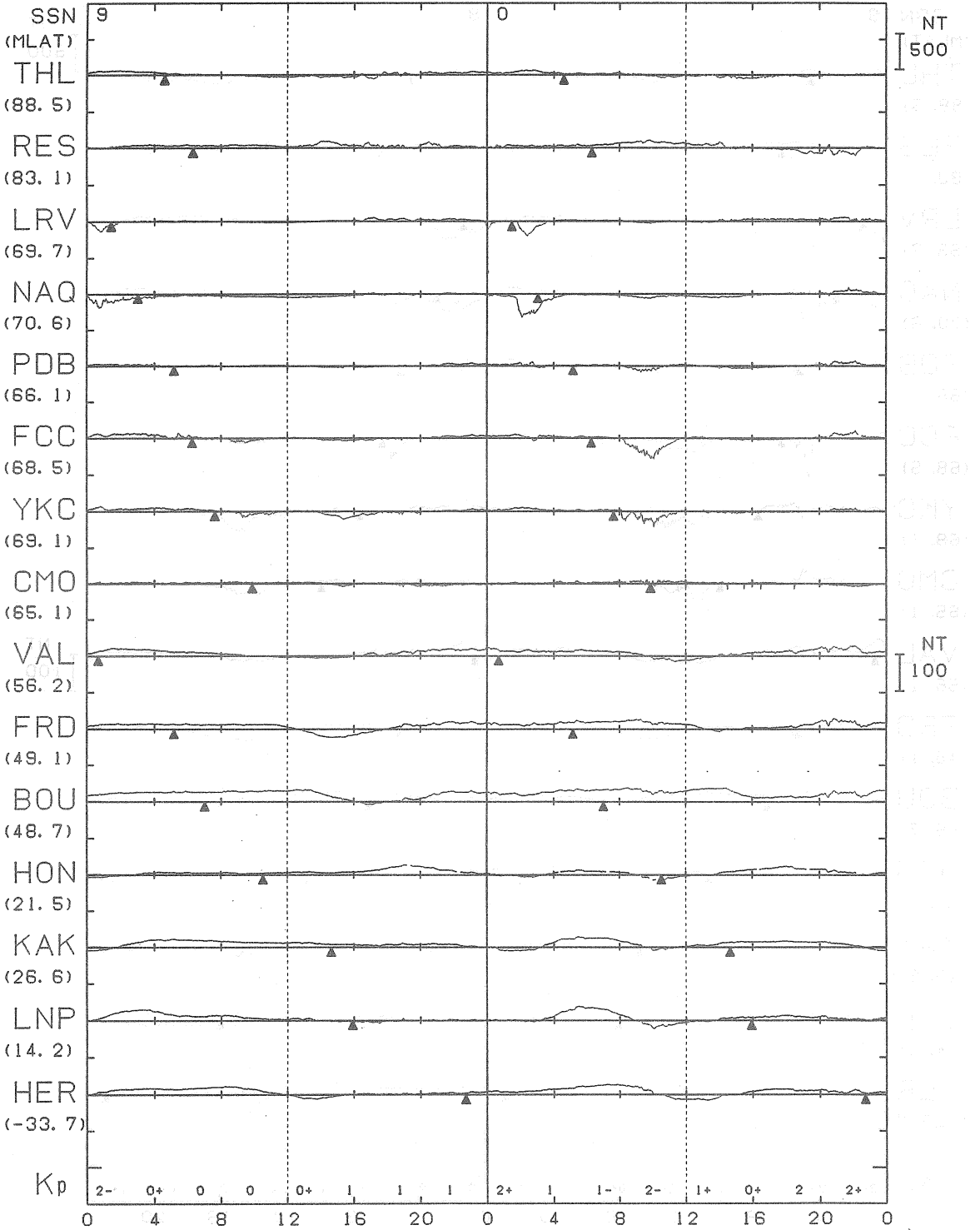
AUG 21  
(DAY 233)

AUG 22  
(DAY 234)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



AUG 23  
(DAY 235)

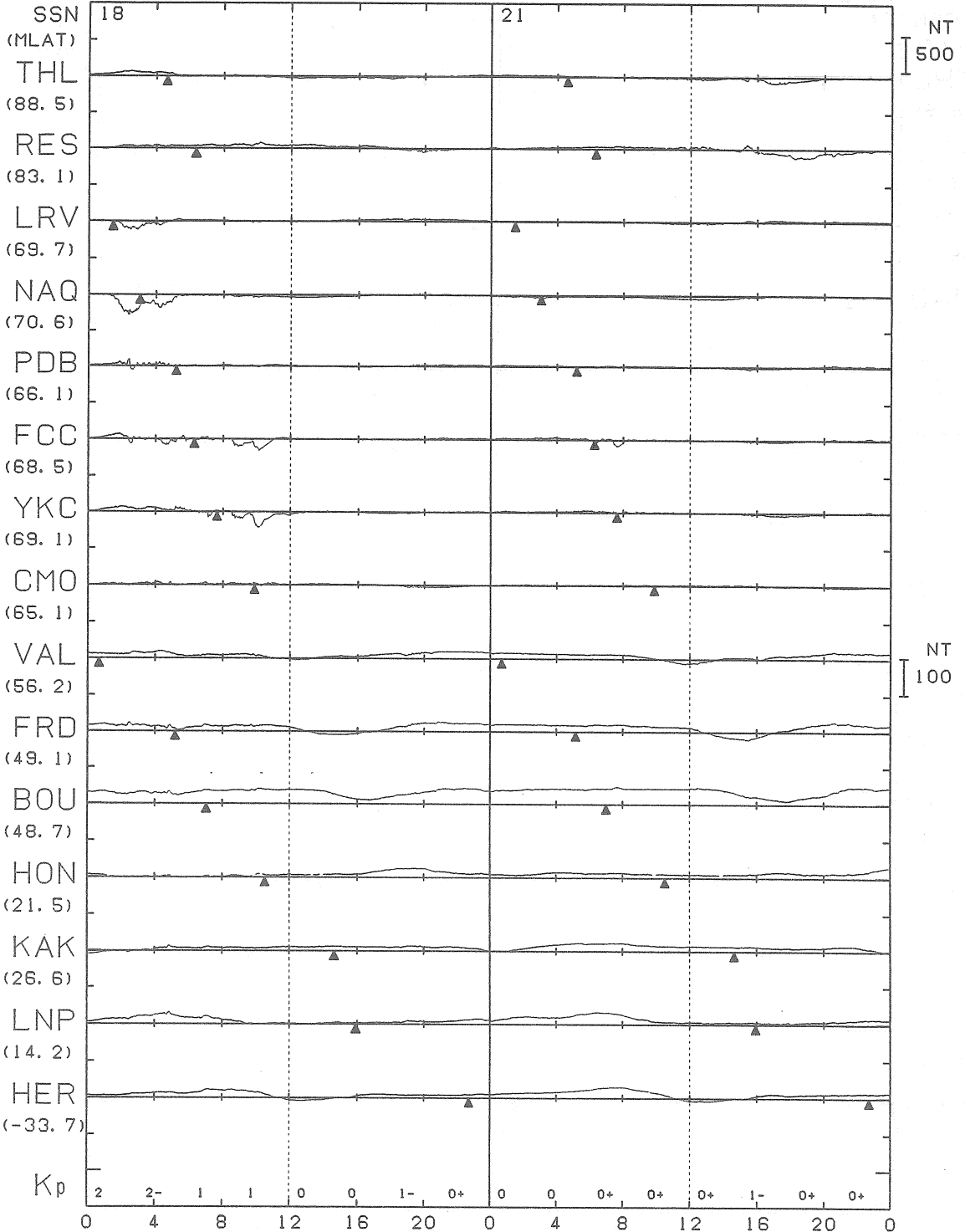
AUG 24  
(DAY 236)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



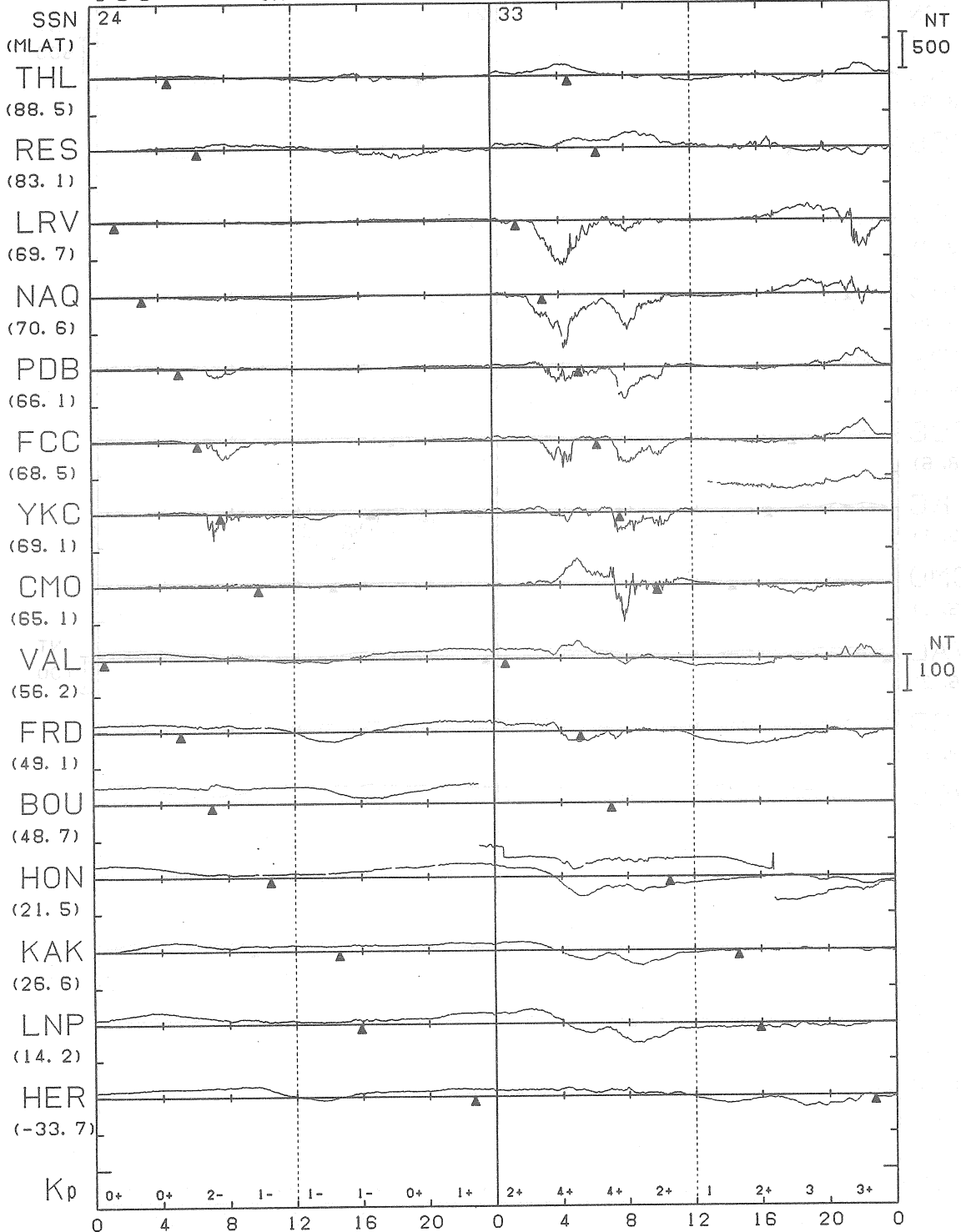
AUG 25  
(DAY 237)

AUG 26  
(DAY 238)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H or X-COMPONENT ▲ : LOCAL MIDNIGHT



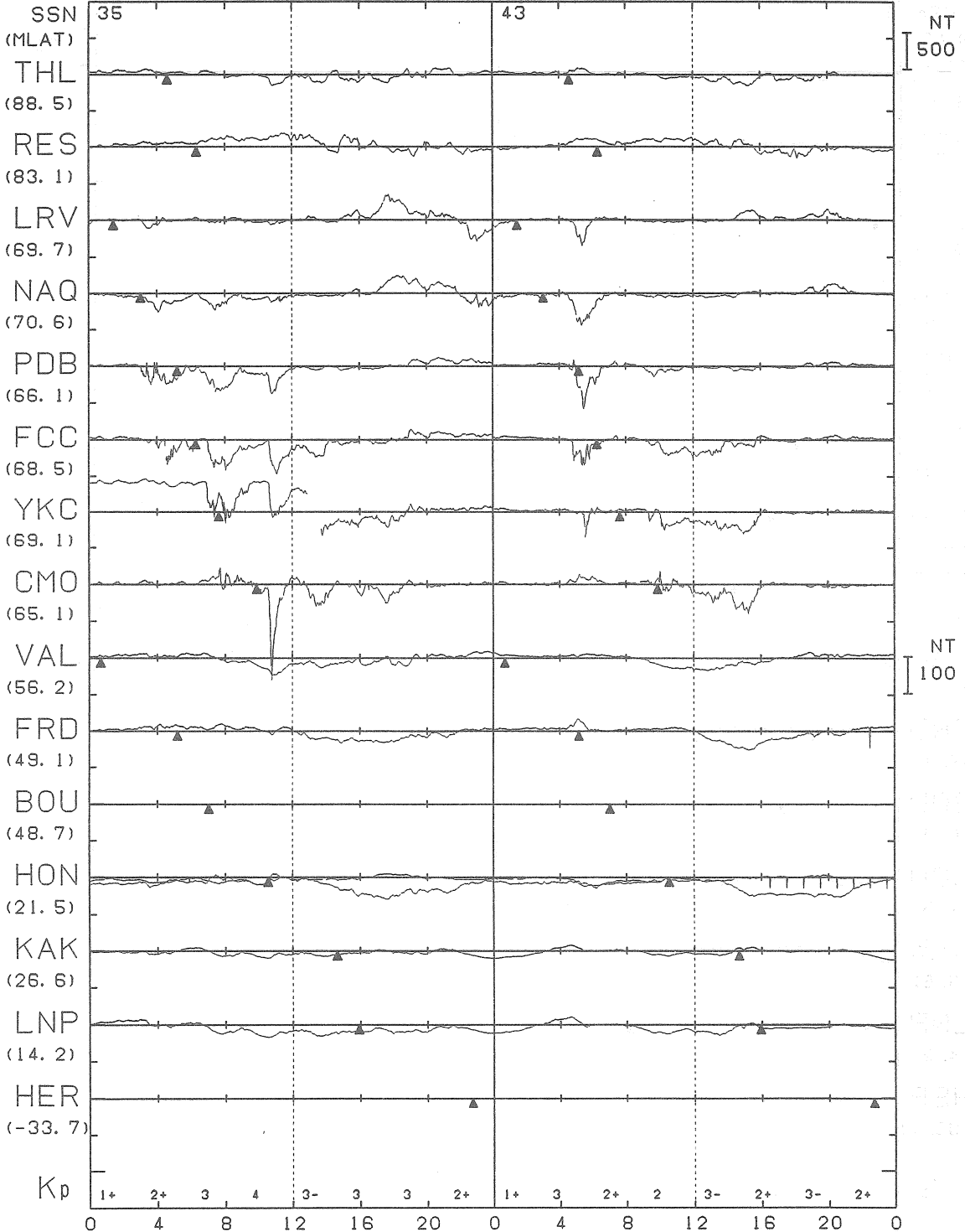
AUG 27 (DAY 239)                      AUG 28 (DAY 240)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



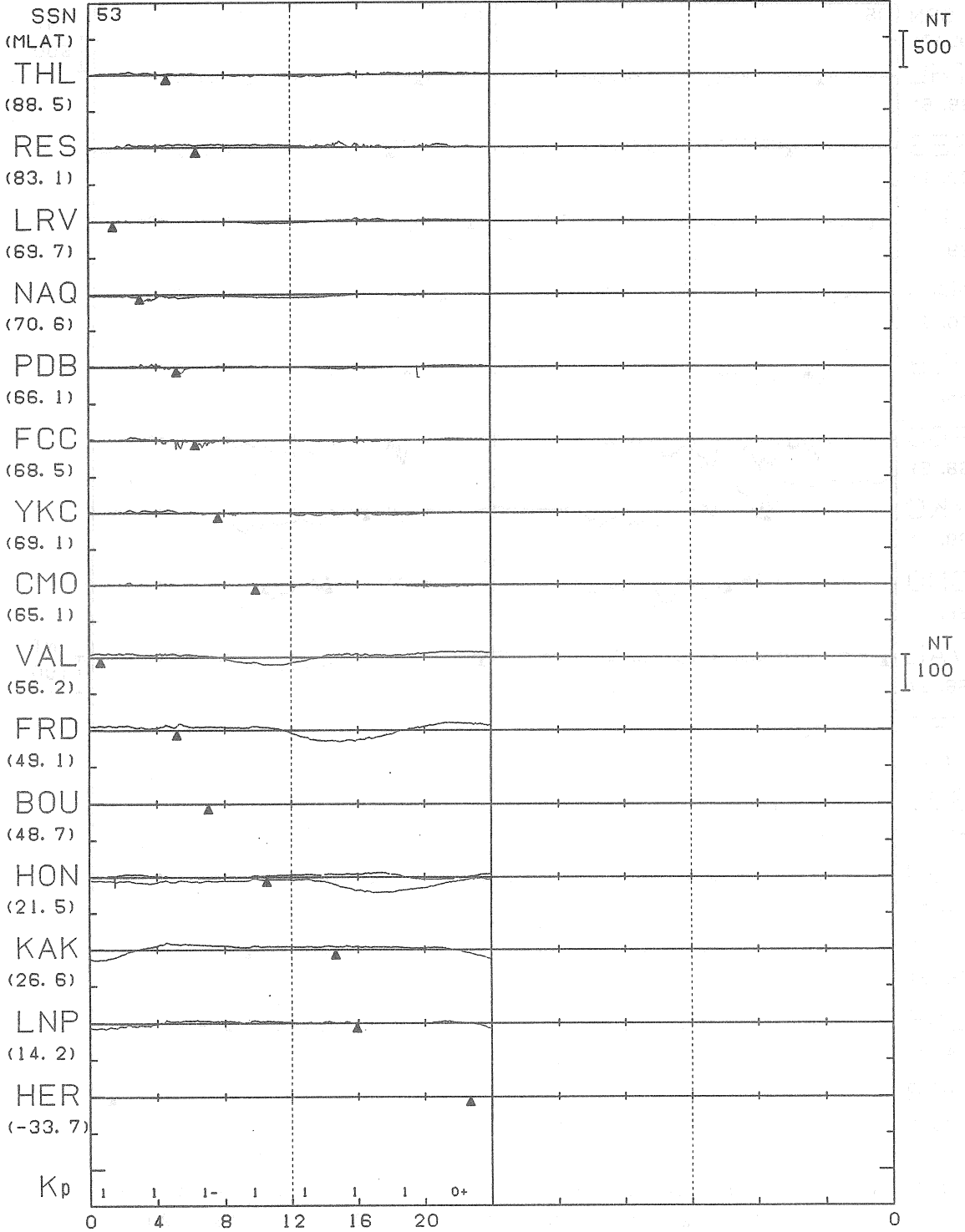
AUG 29  
(DAY 241)

AUG 30  
(DAY 242)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



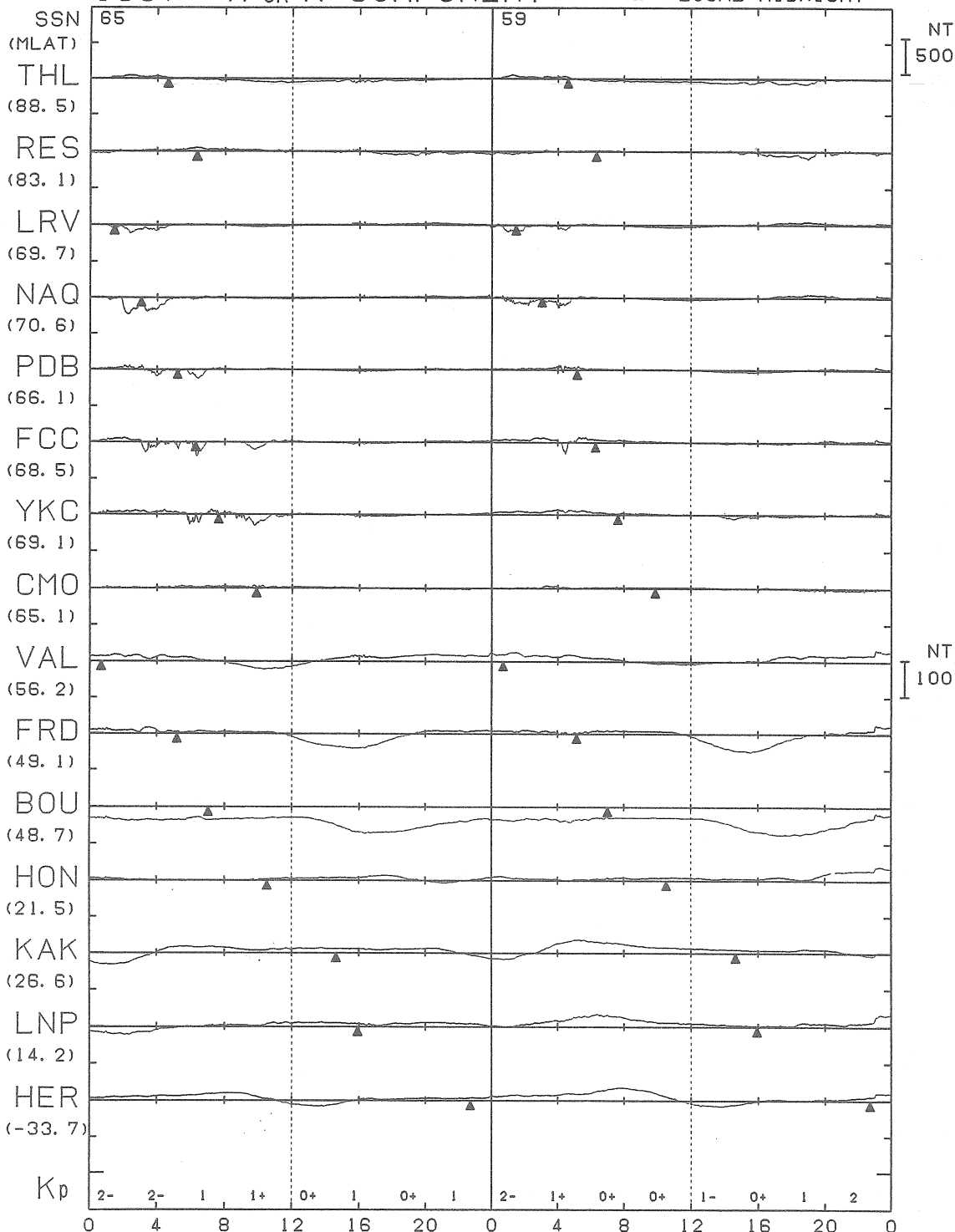
AUG 31  
(DAY 243)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

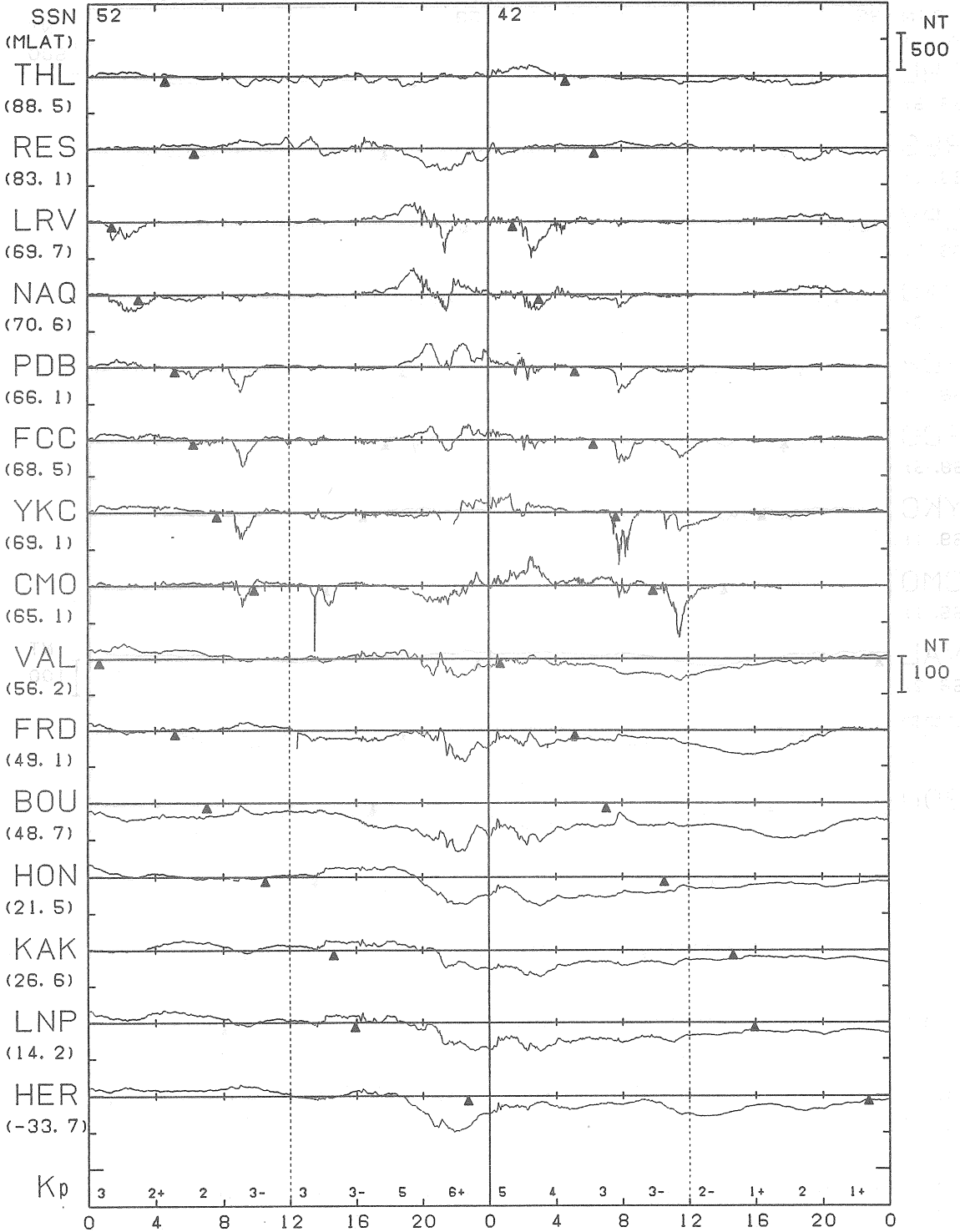
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT

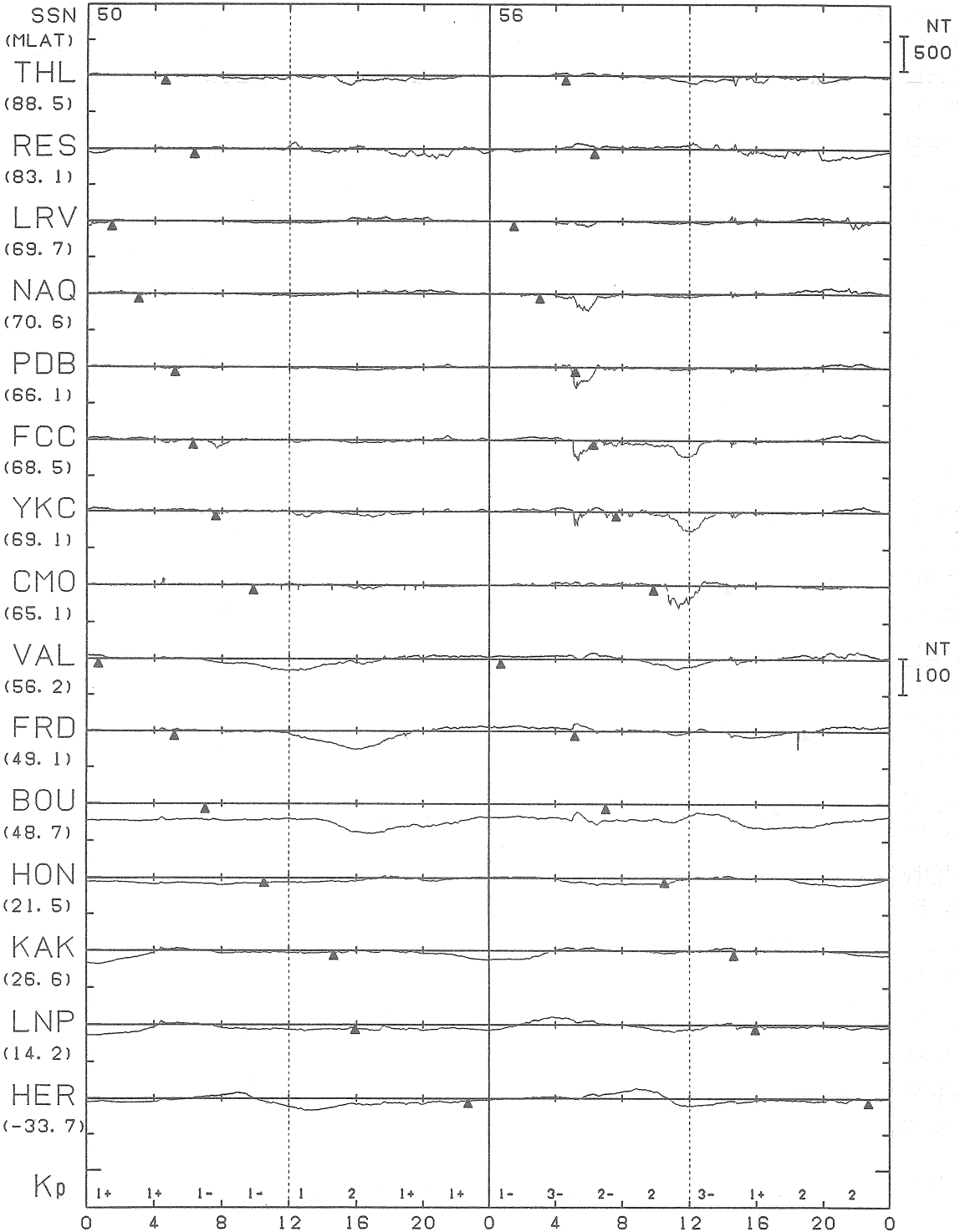


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



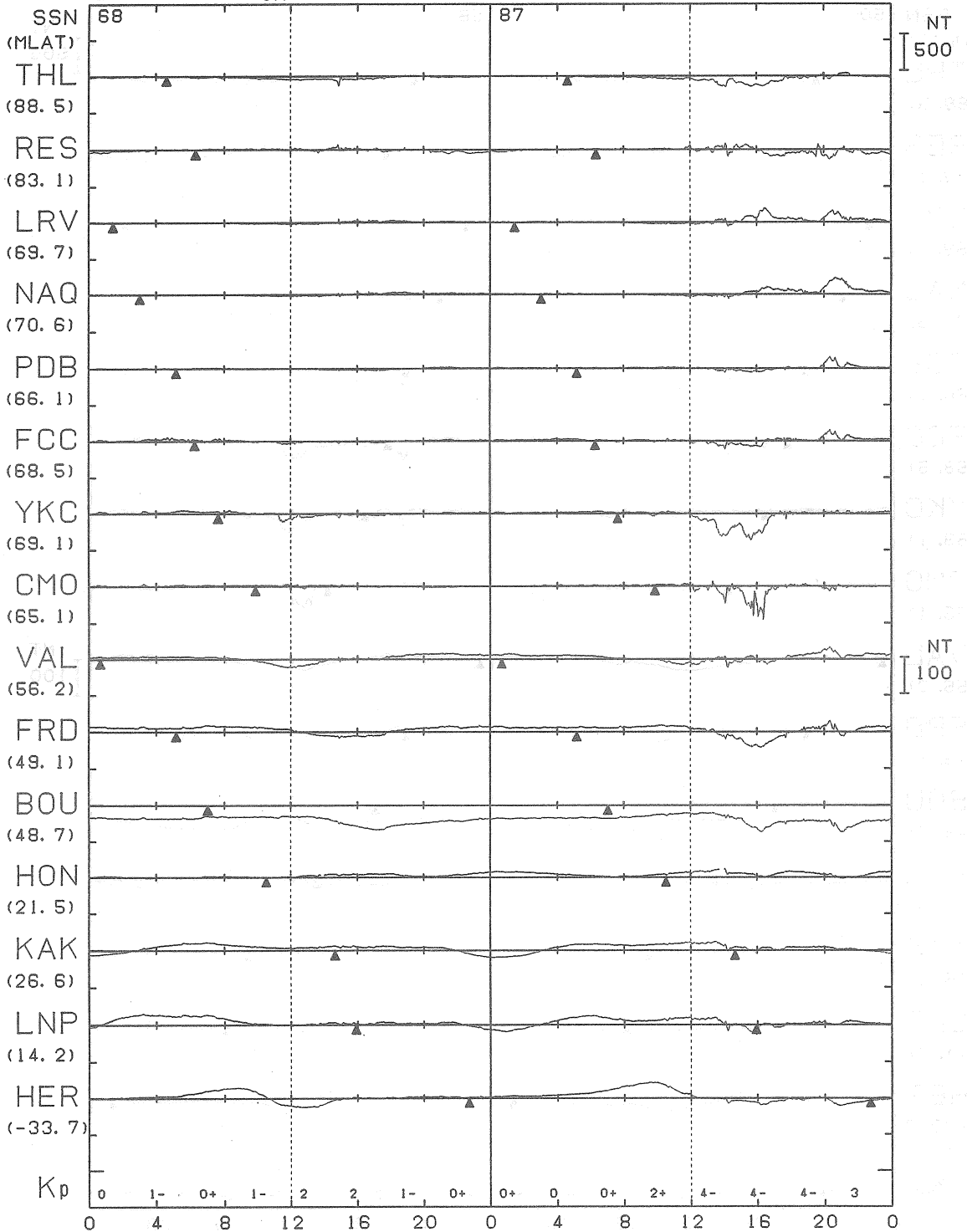
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT

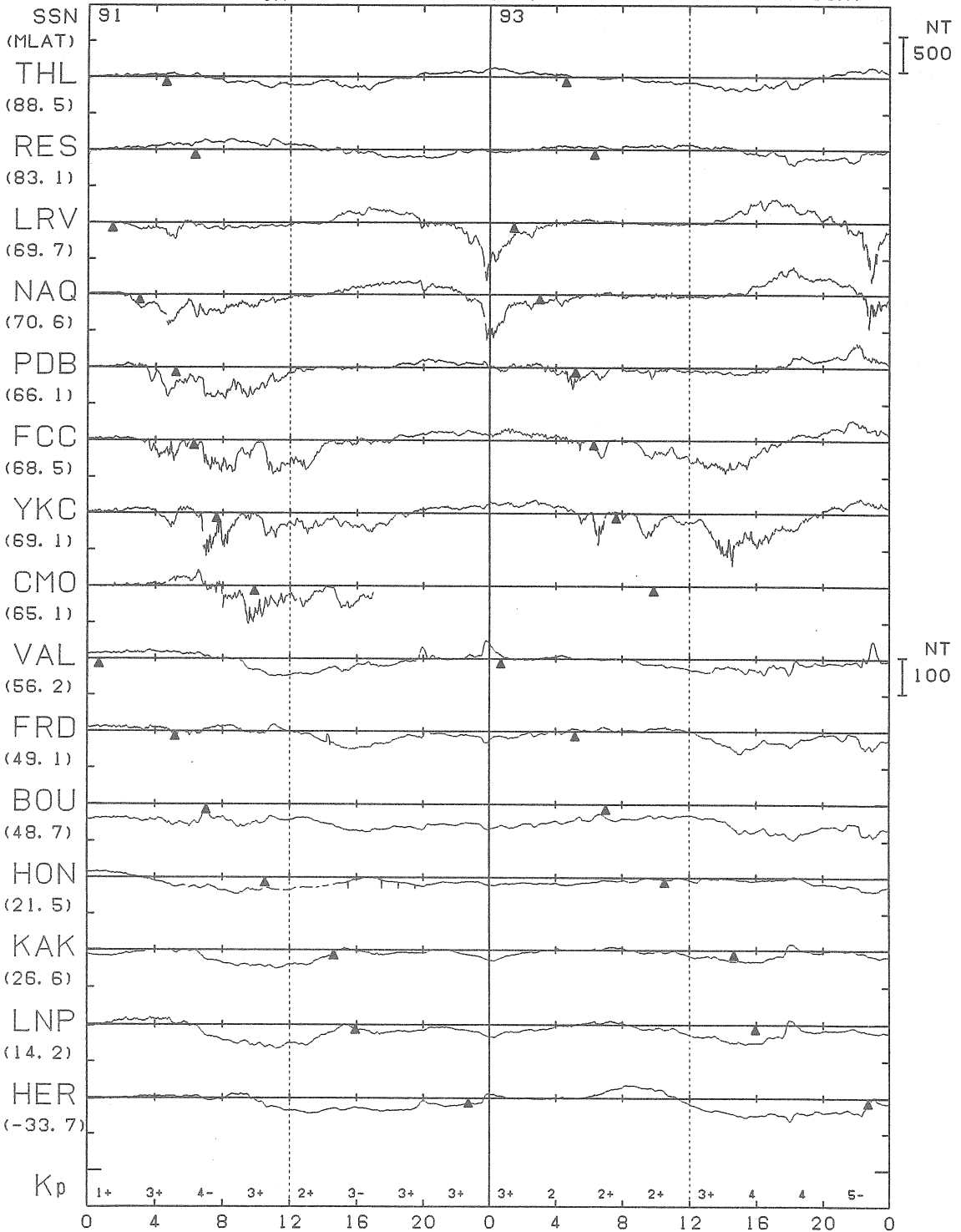


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

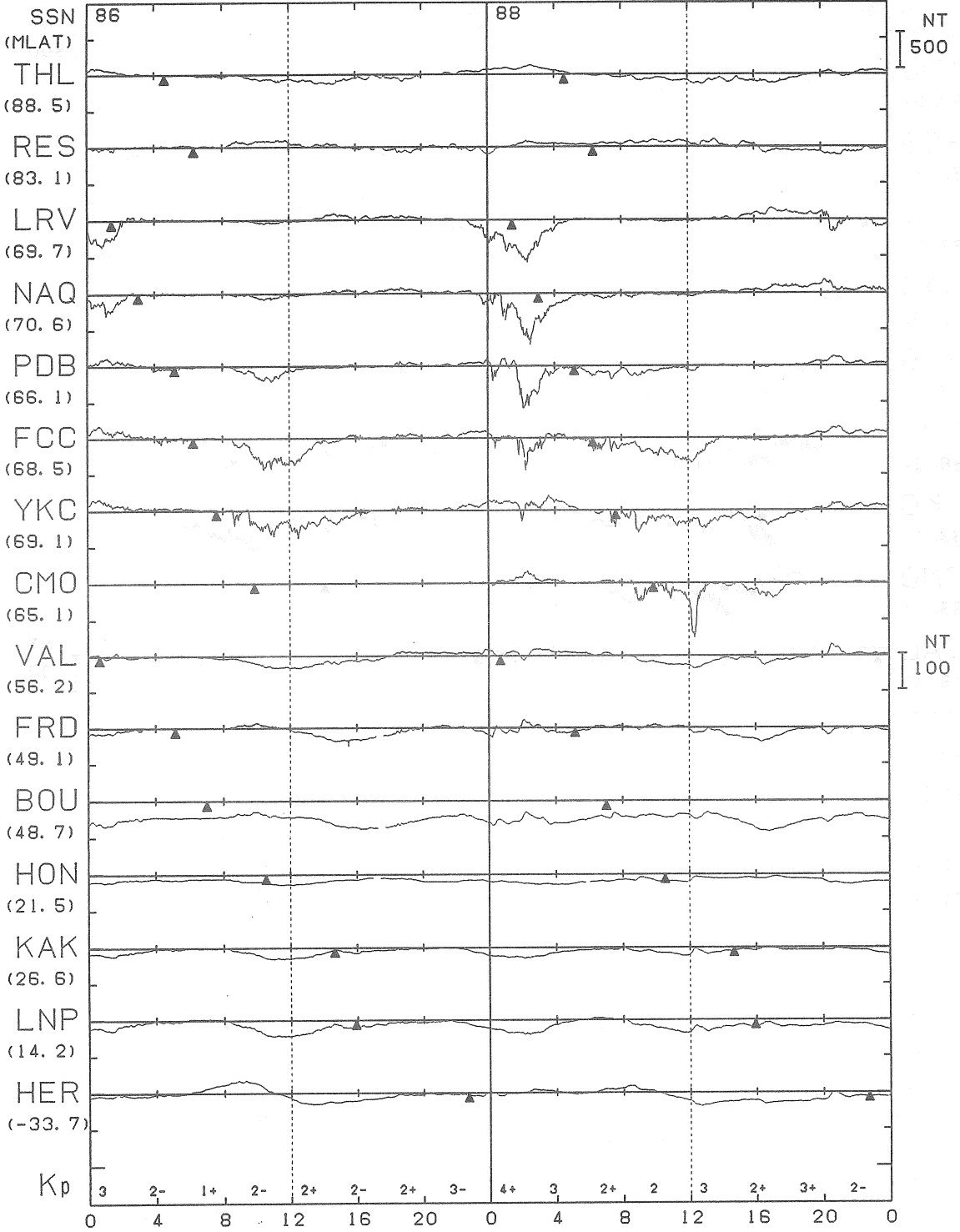


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

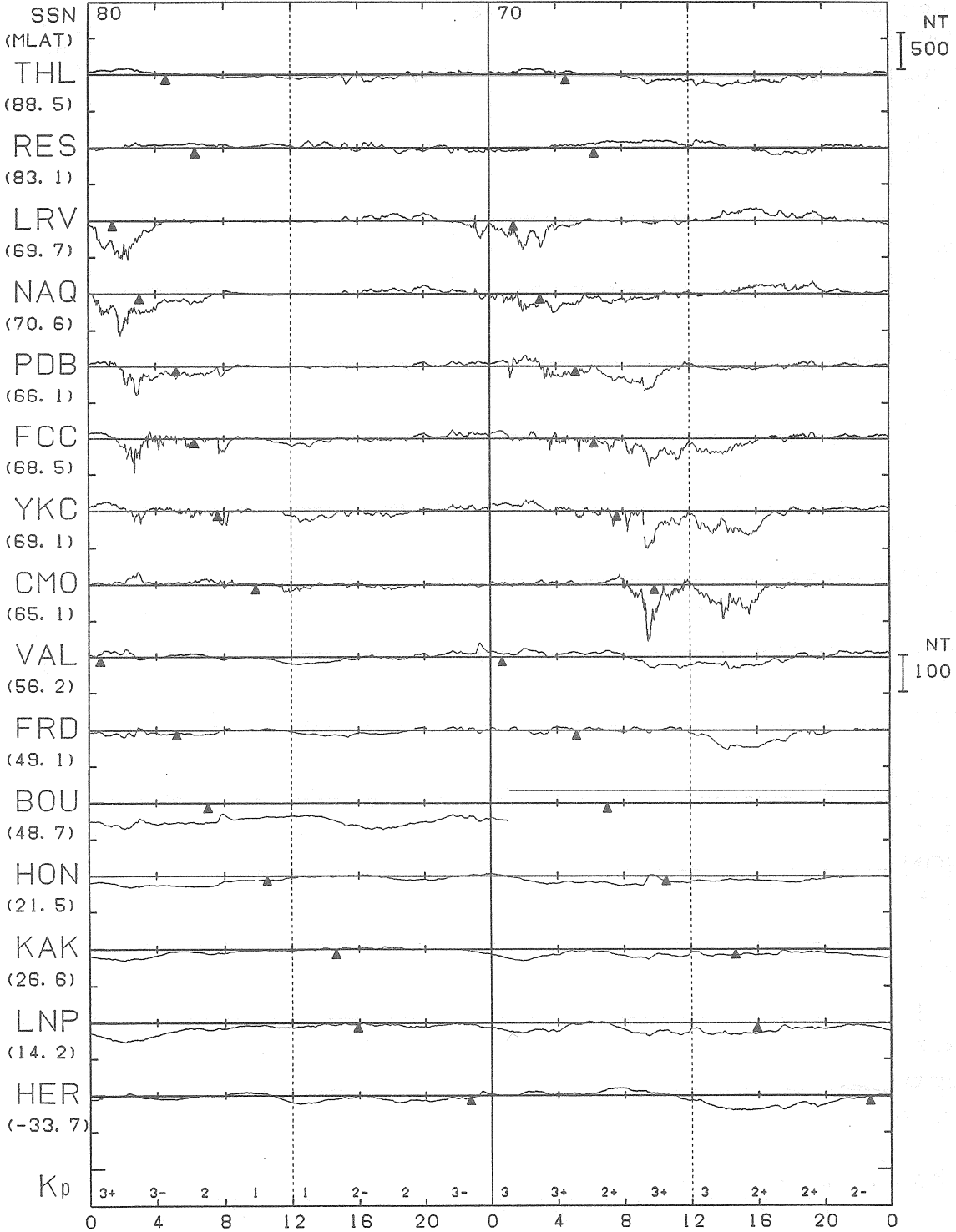


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

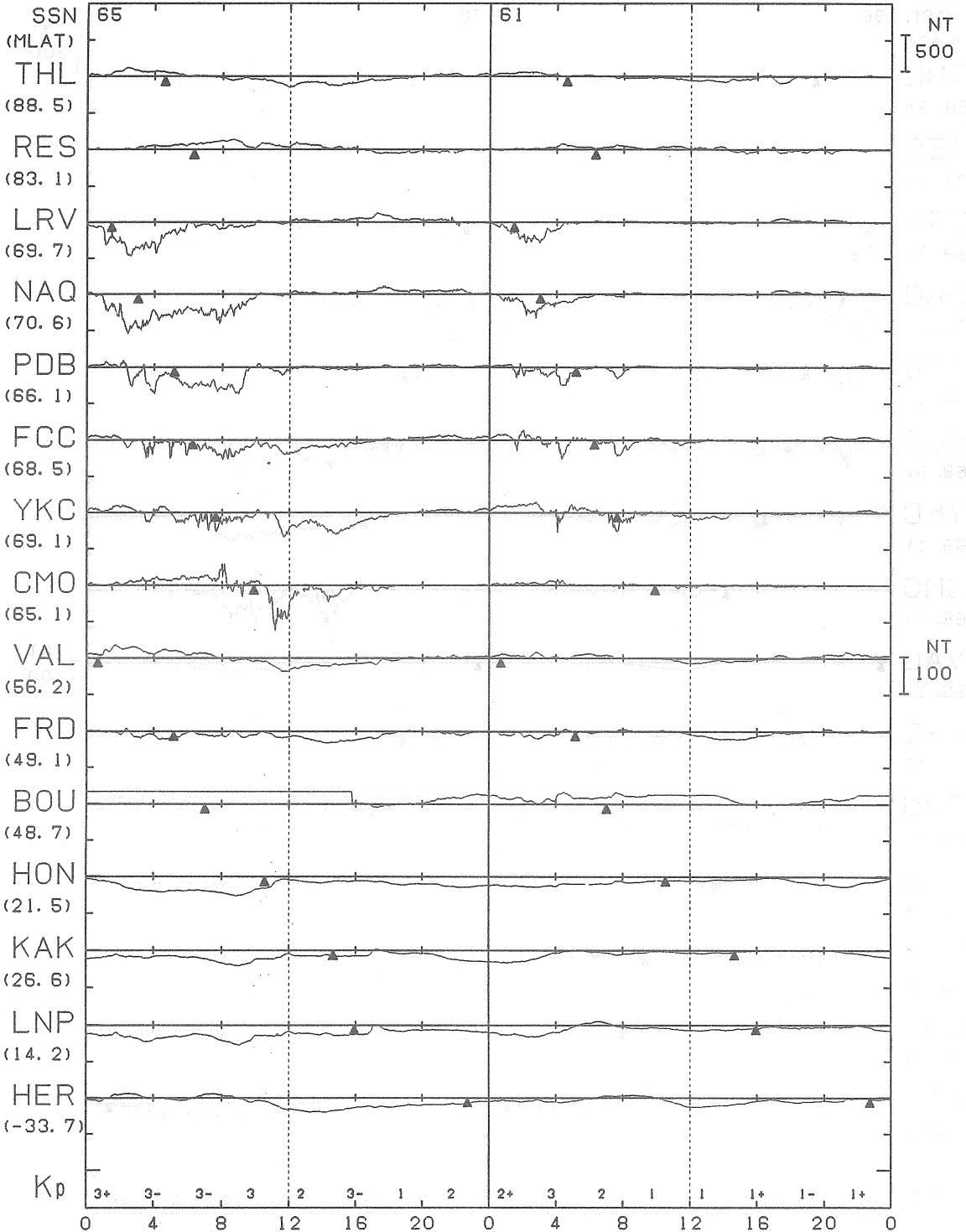


SEP 13 (DAY 256)                      SEP 14 (DAY 257)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

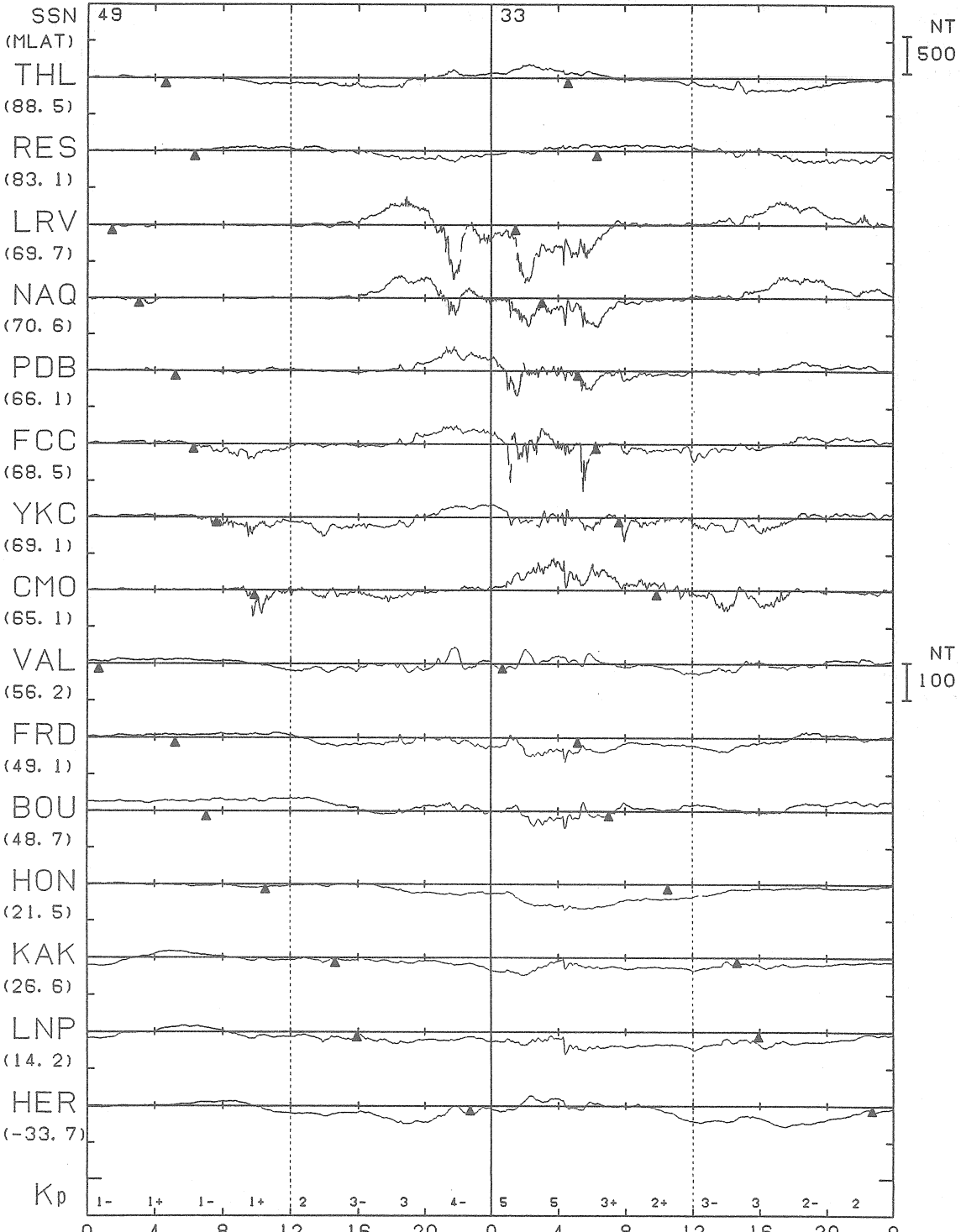
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

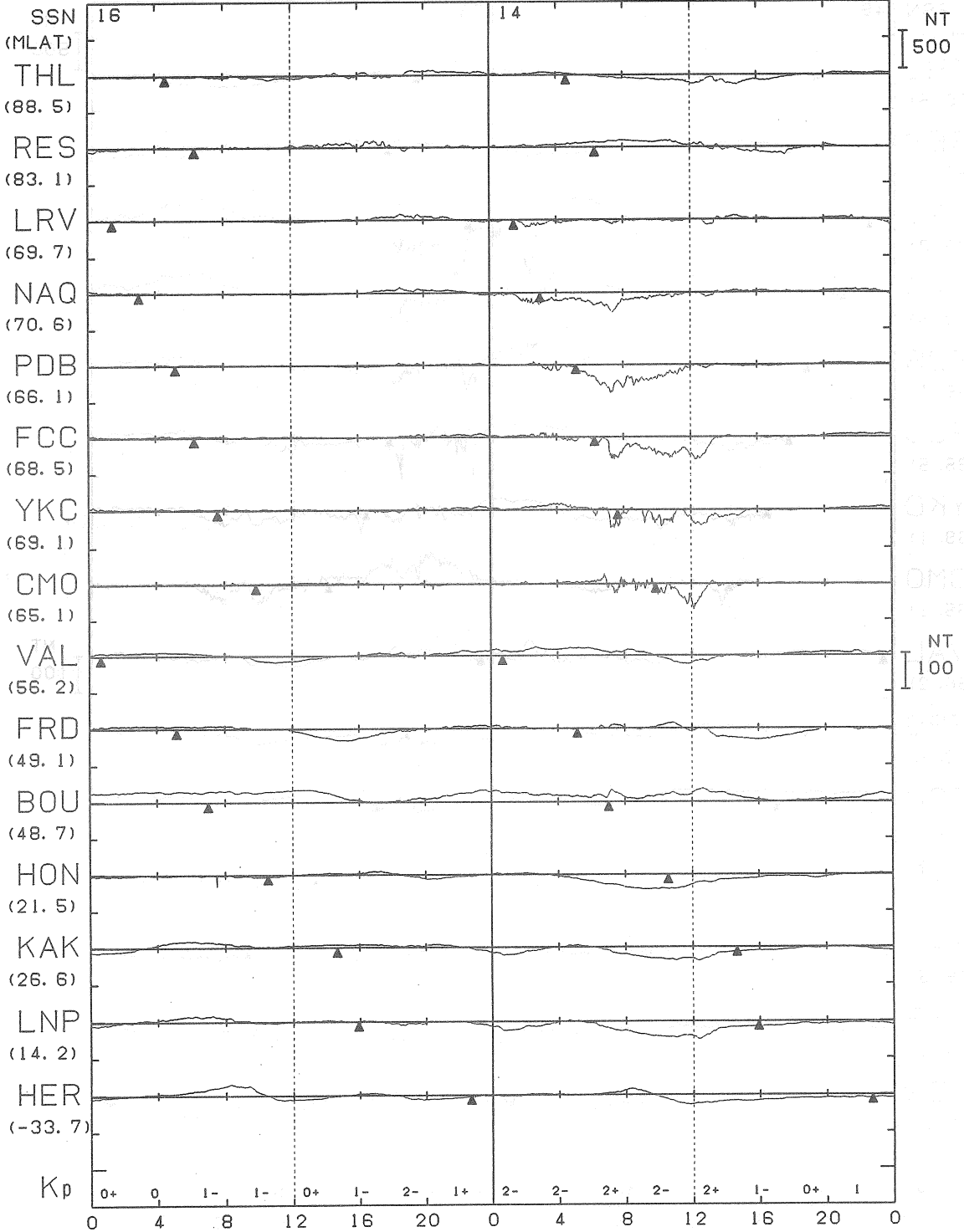
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

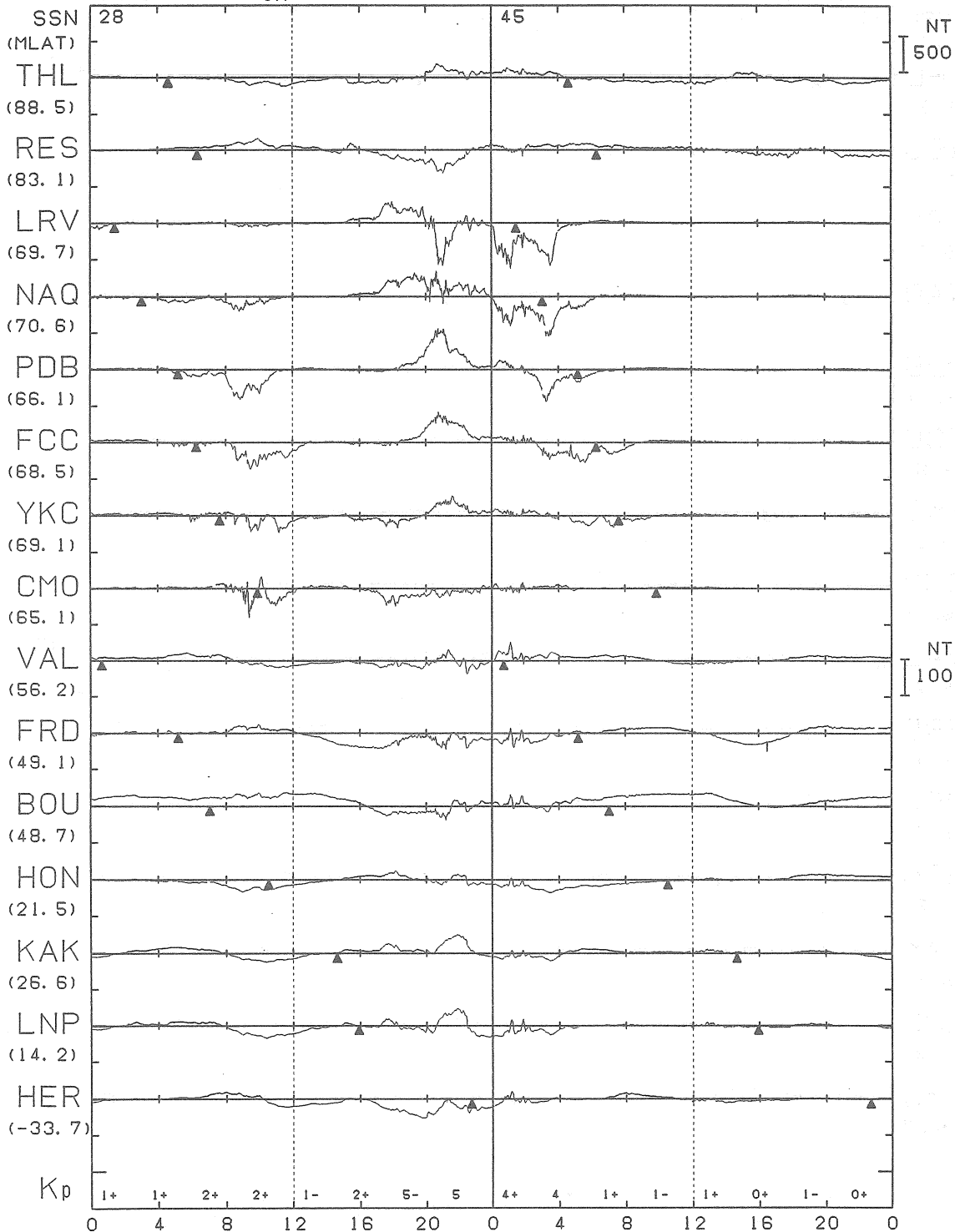


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

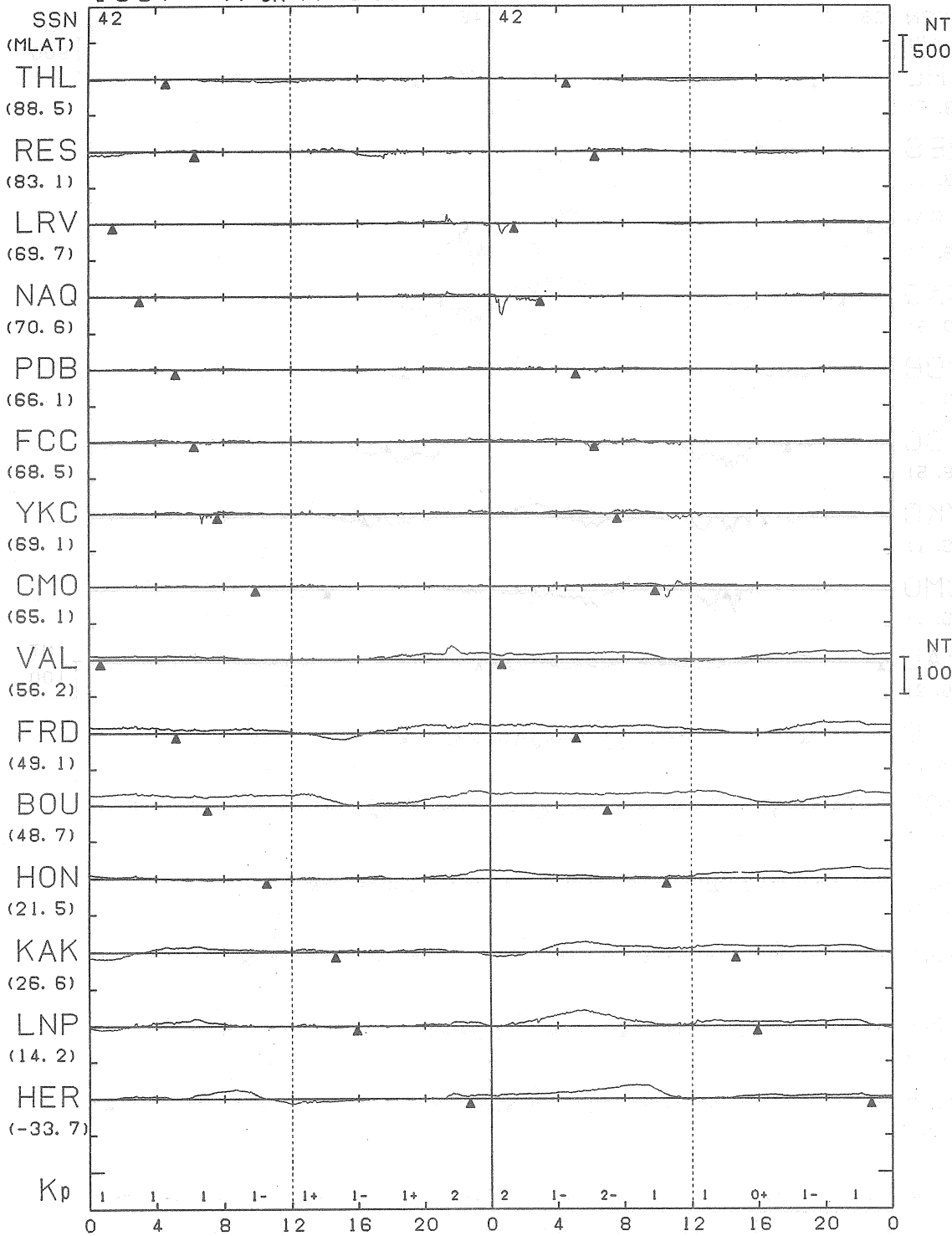


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

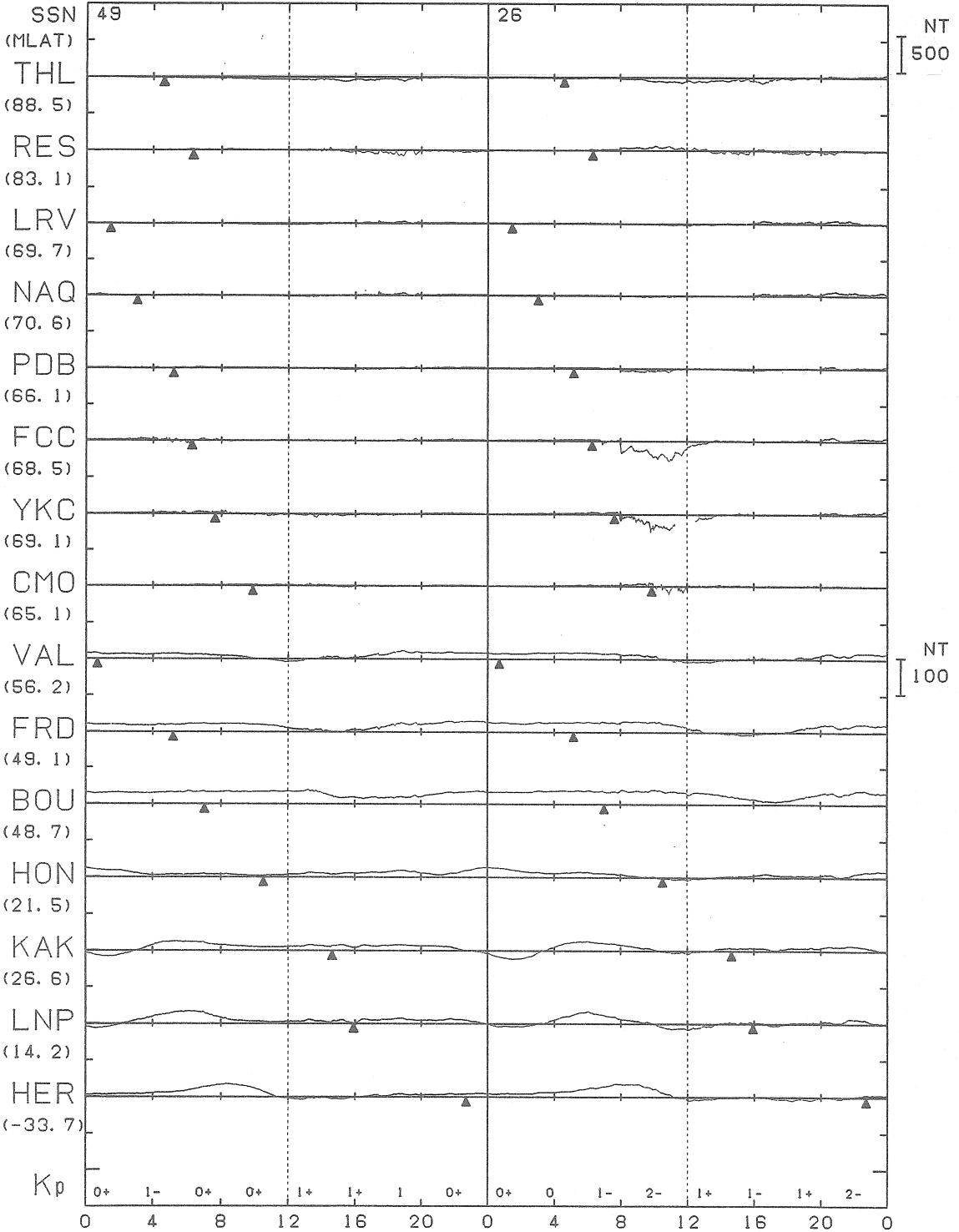


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

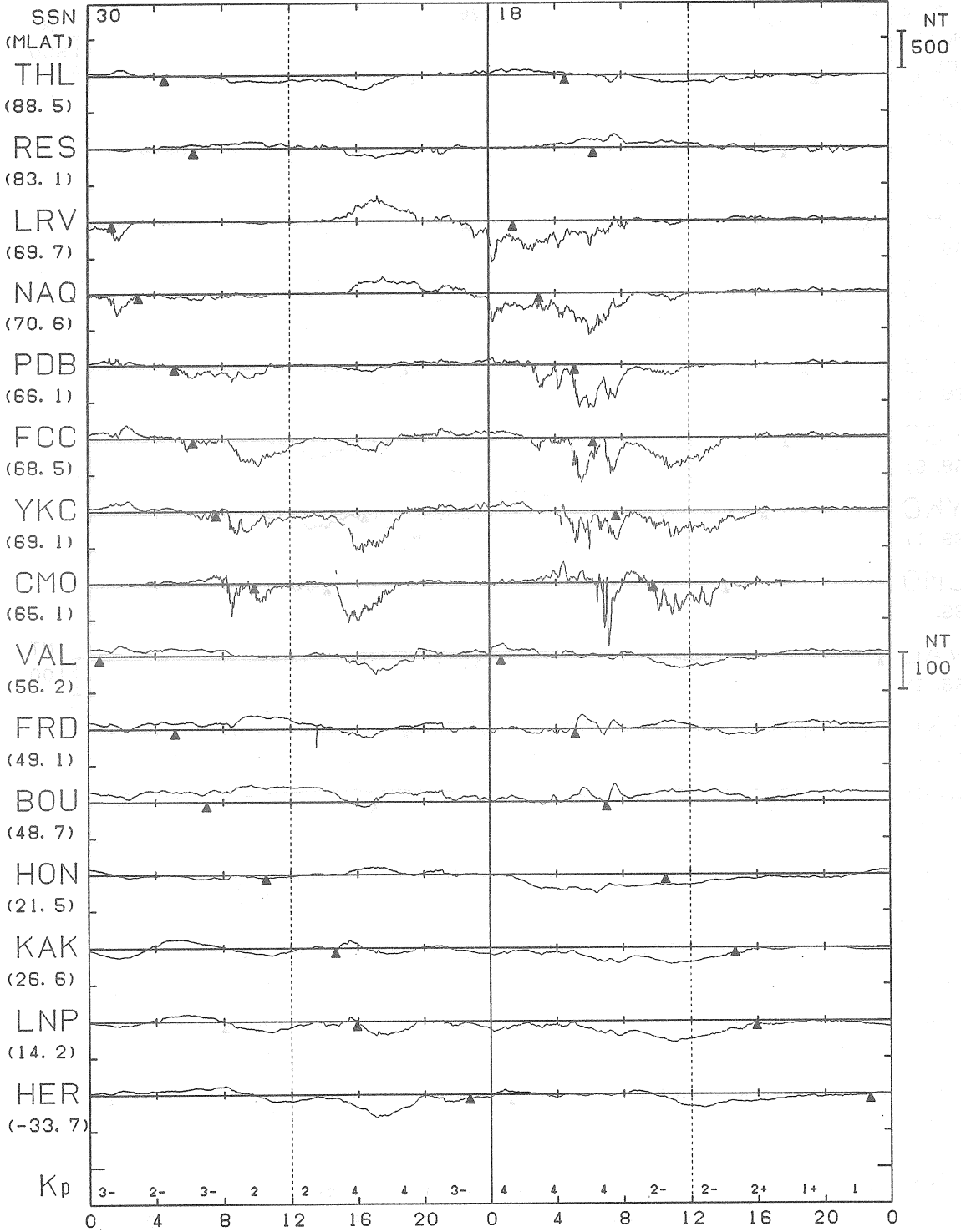


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

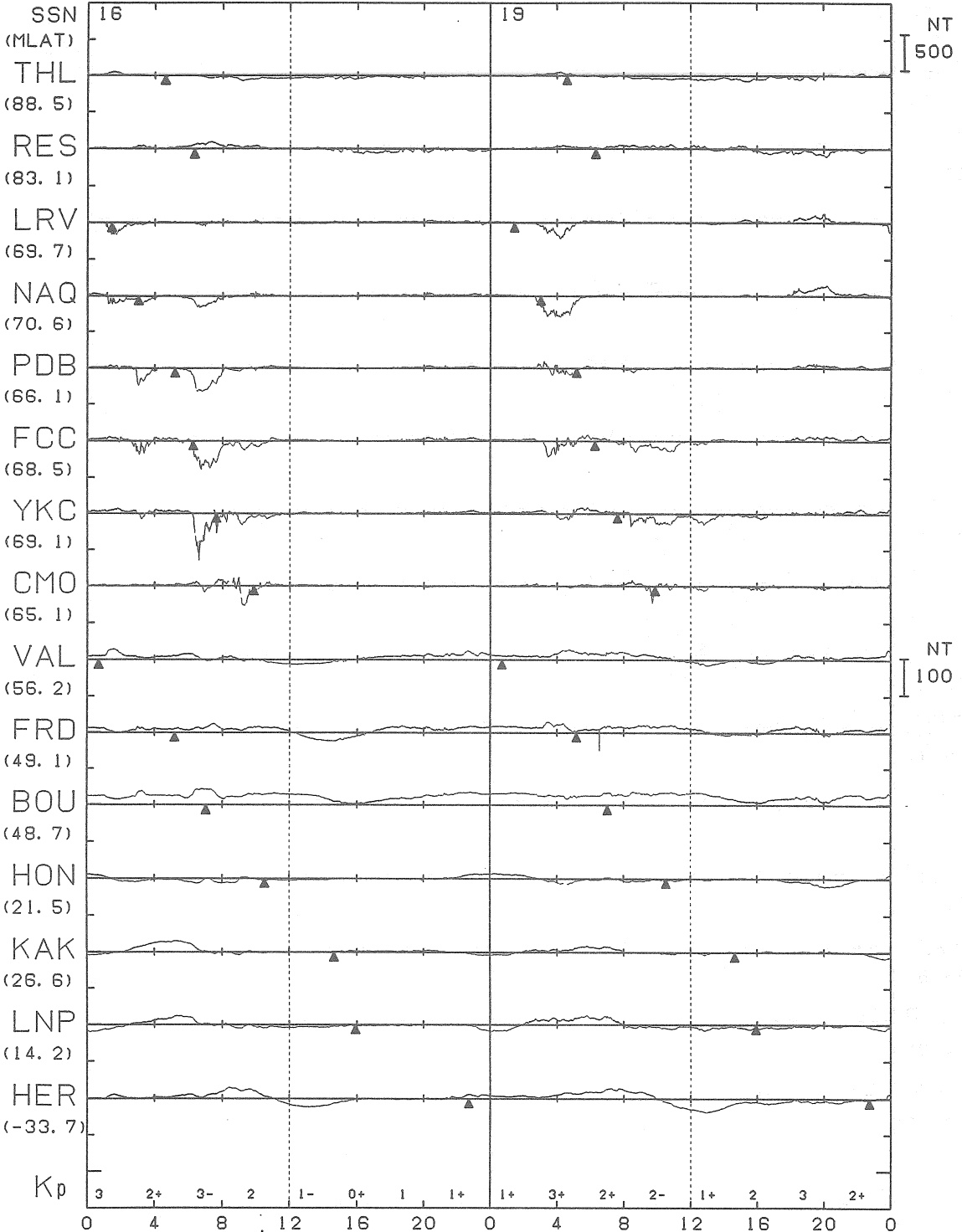


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

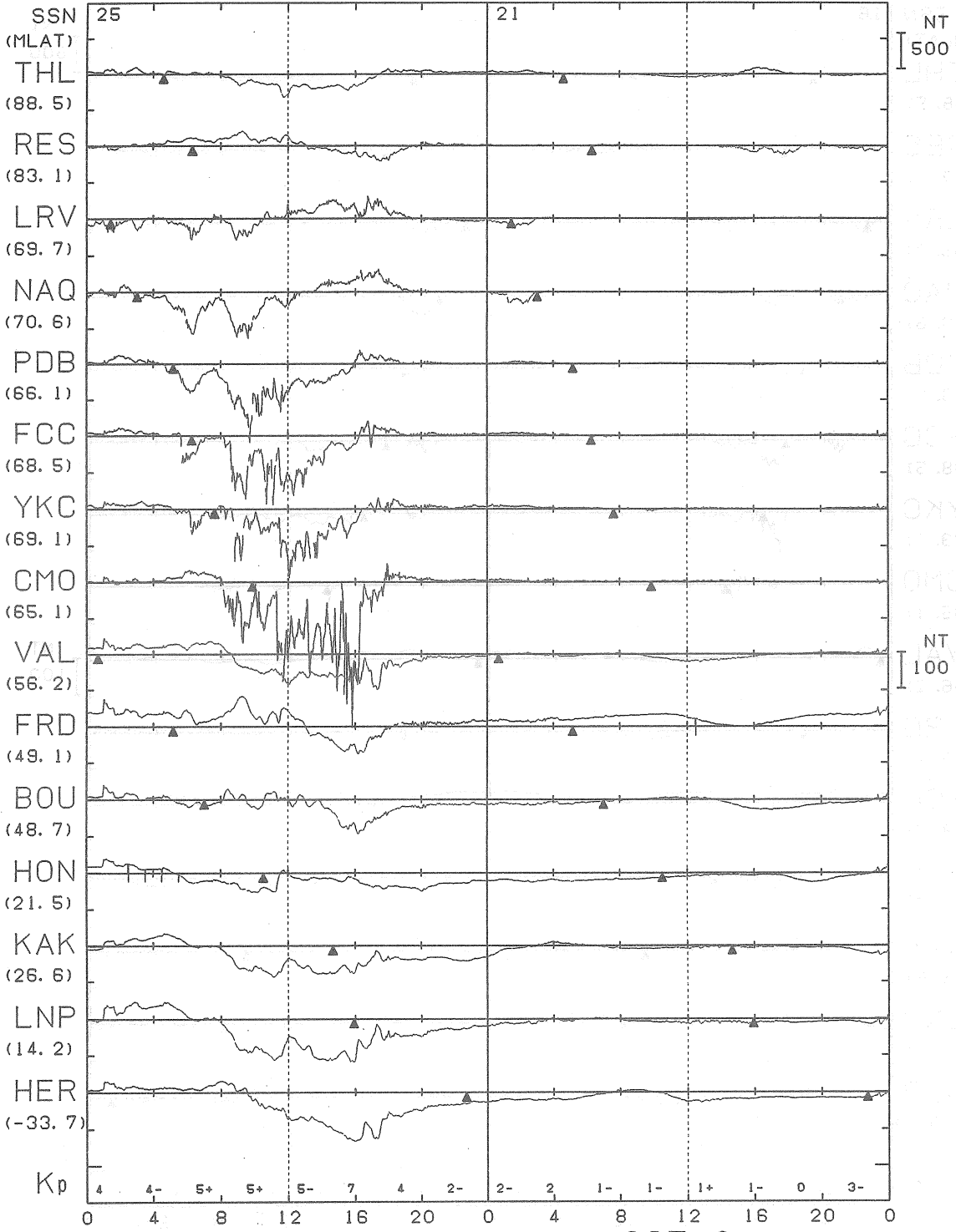
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

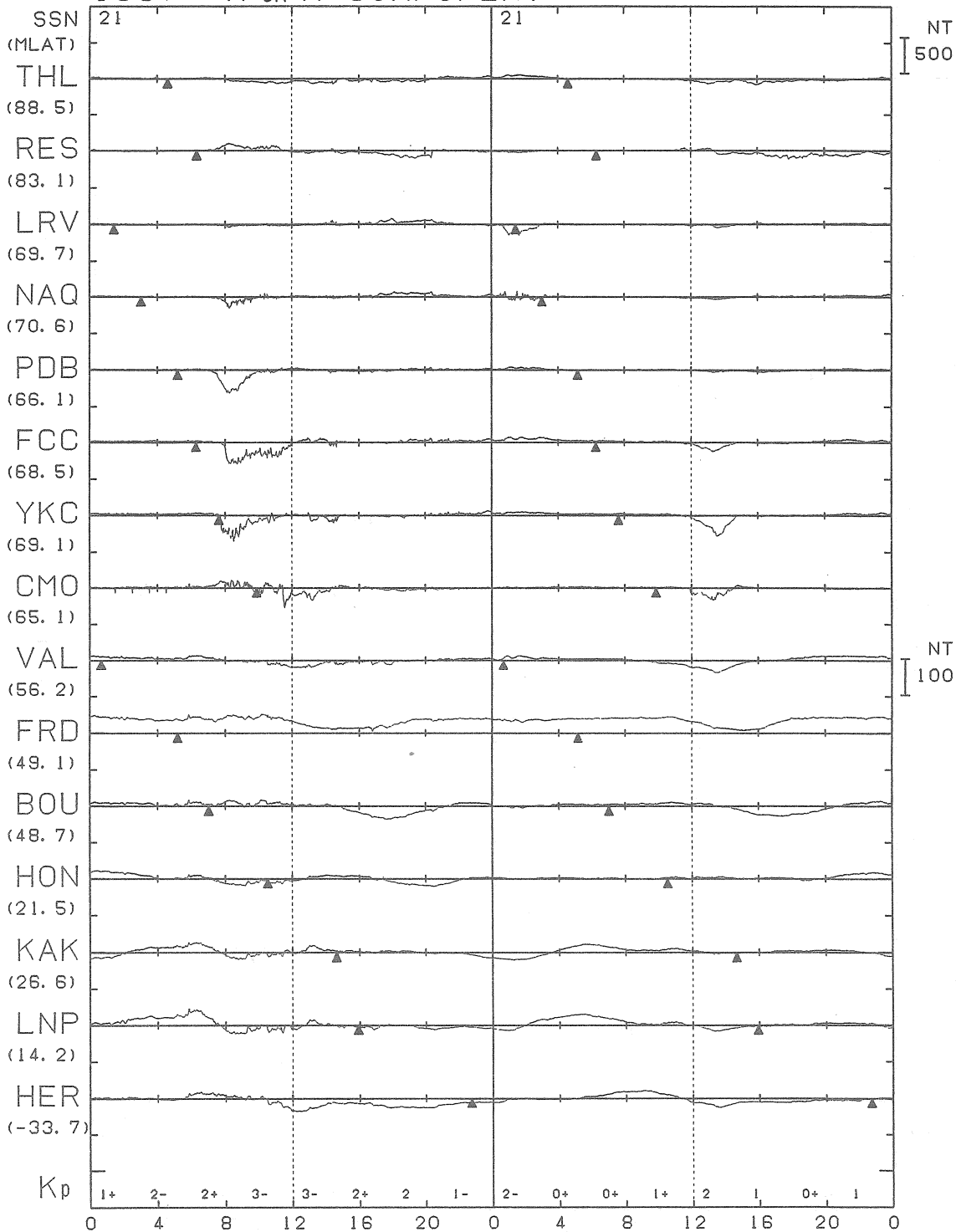


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

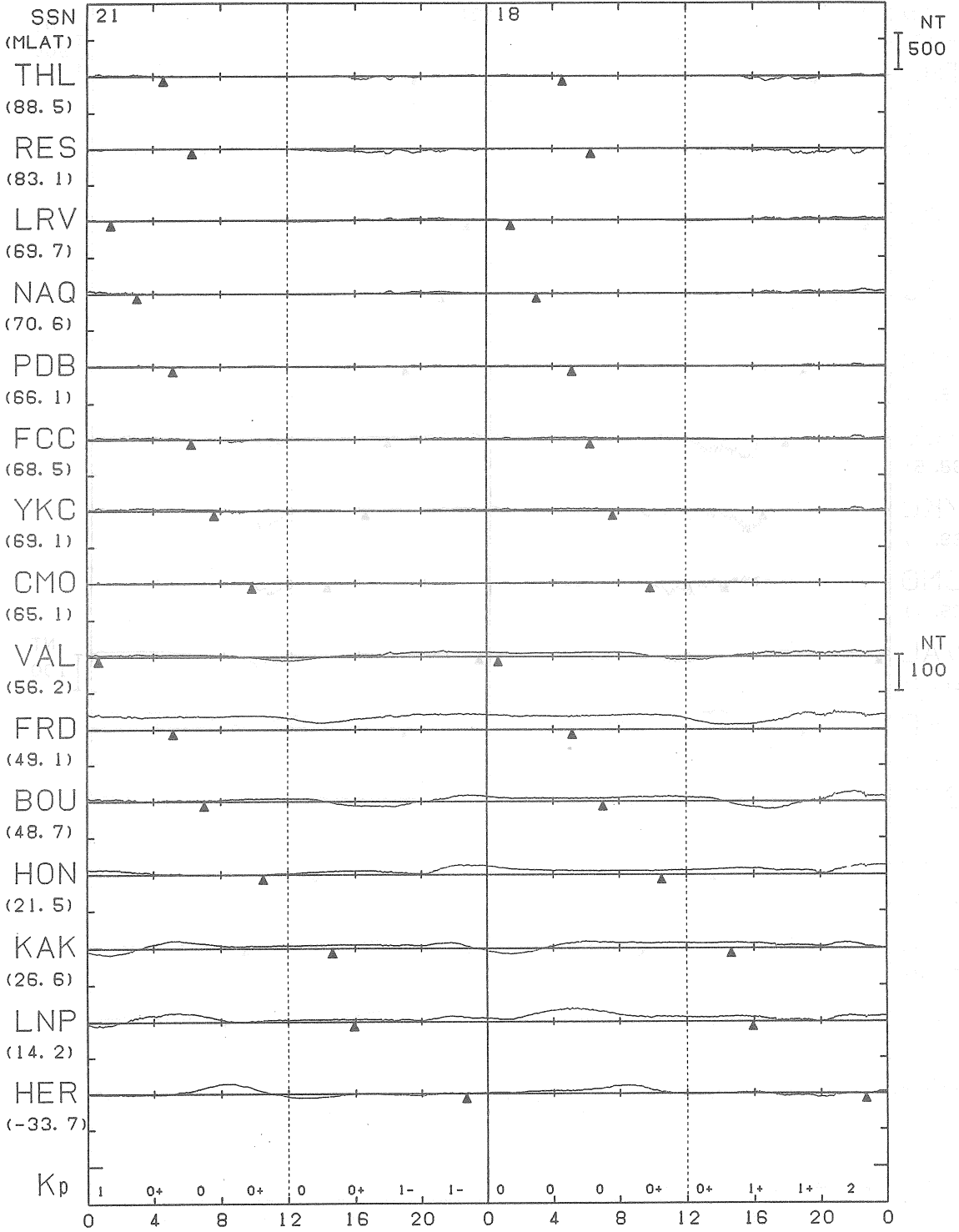


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



OCT 5  
(DAY 278)

OCT 6  
(DAY 279)

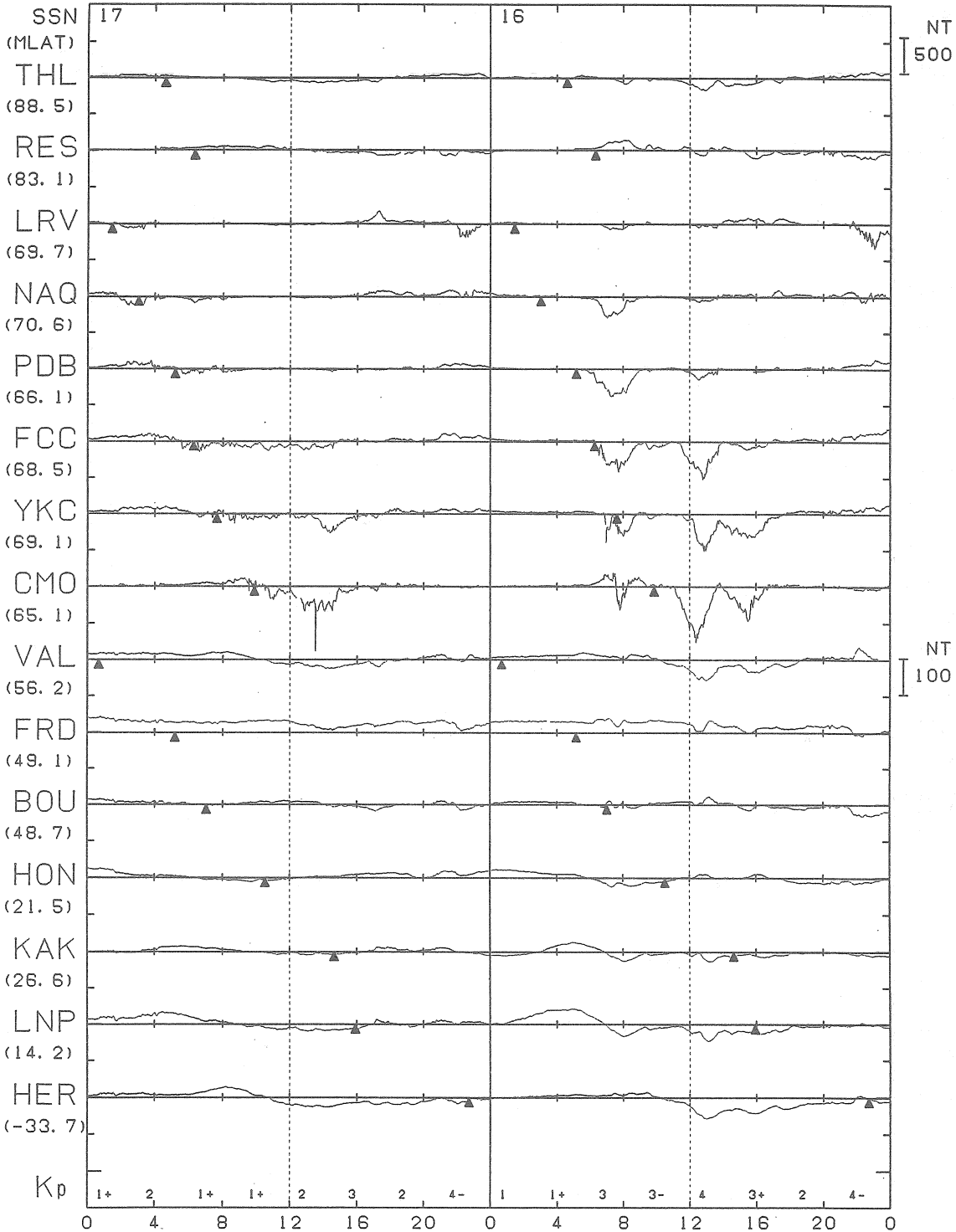
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

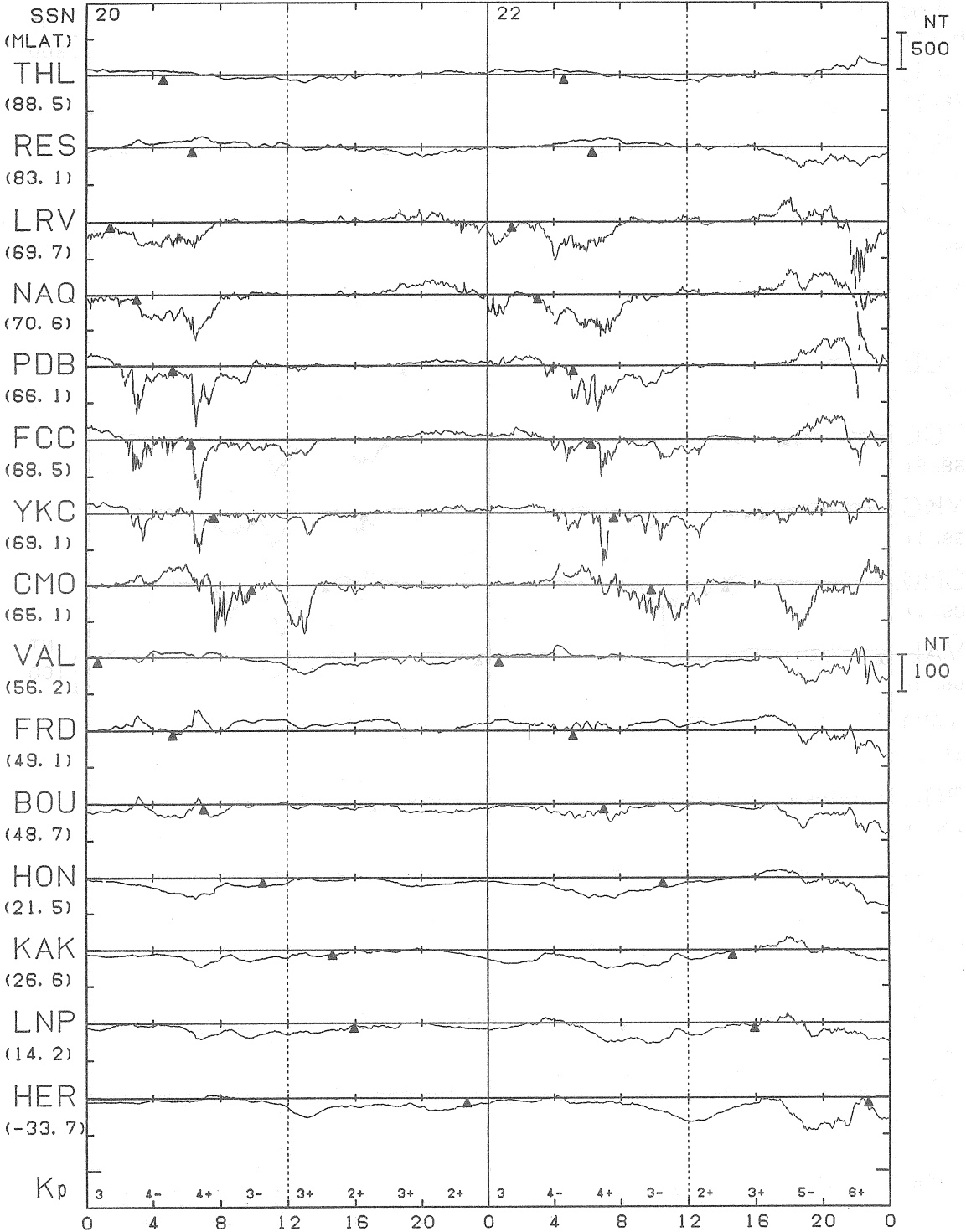


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

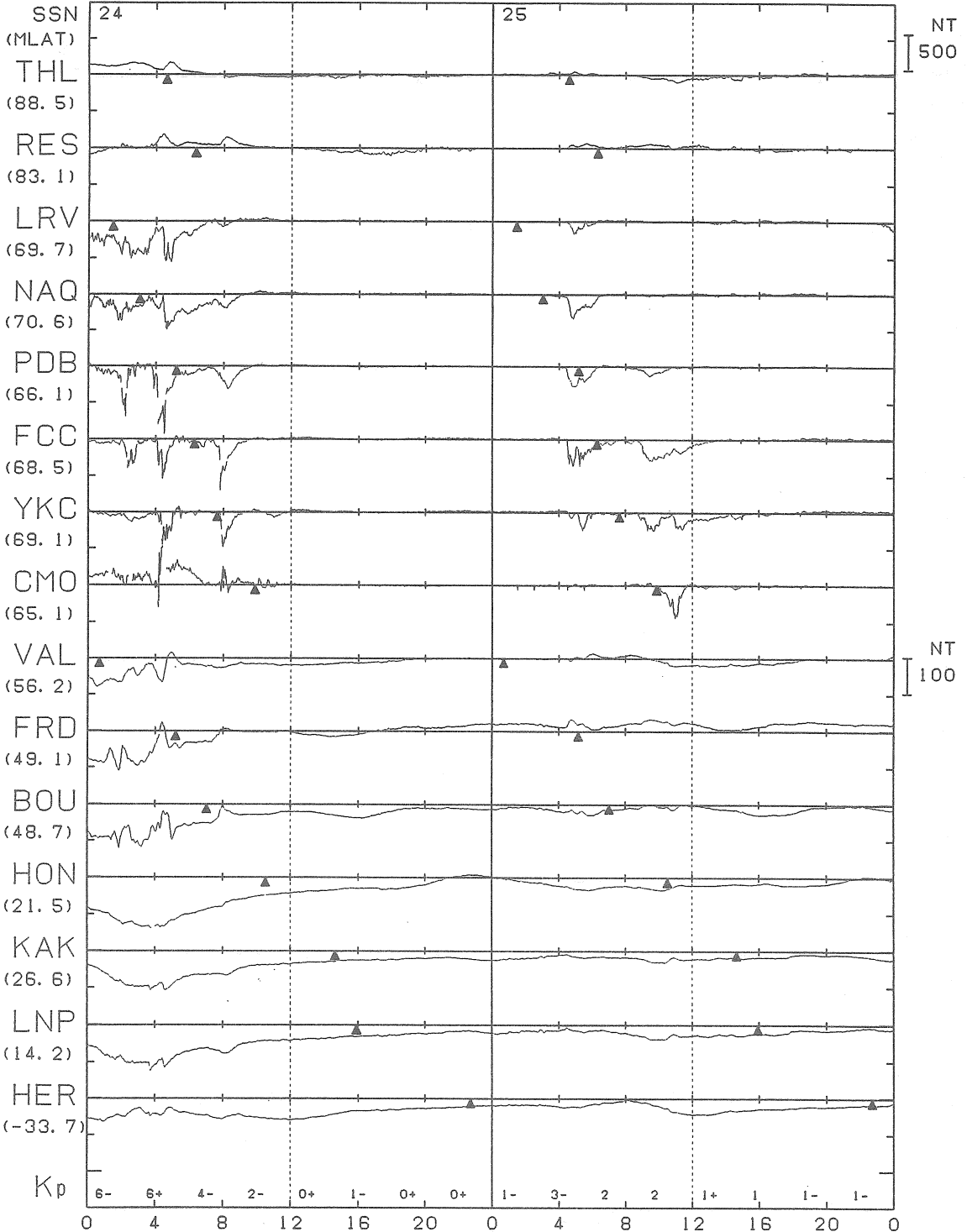


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

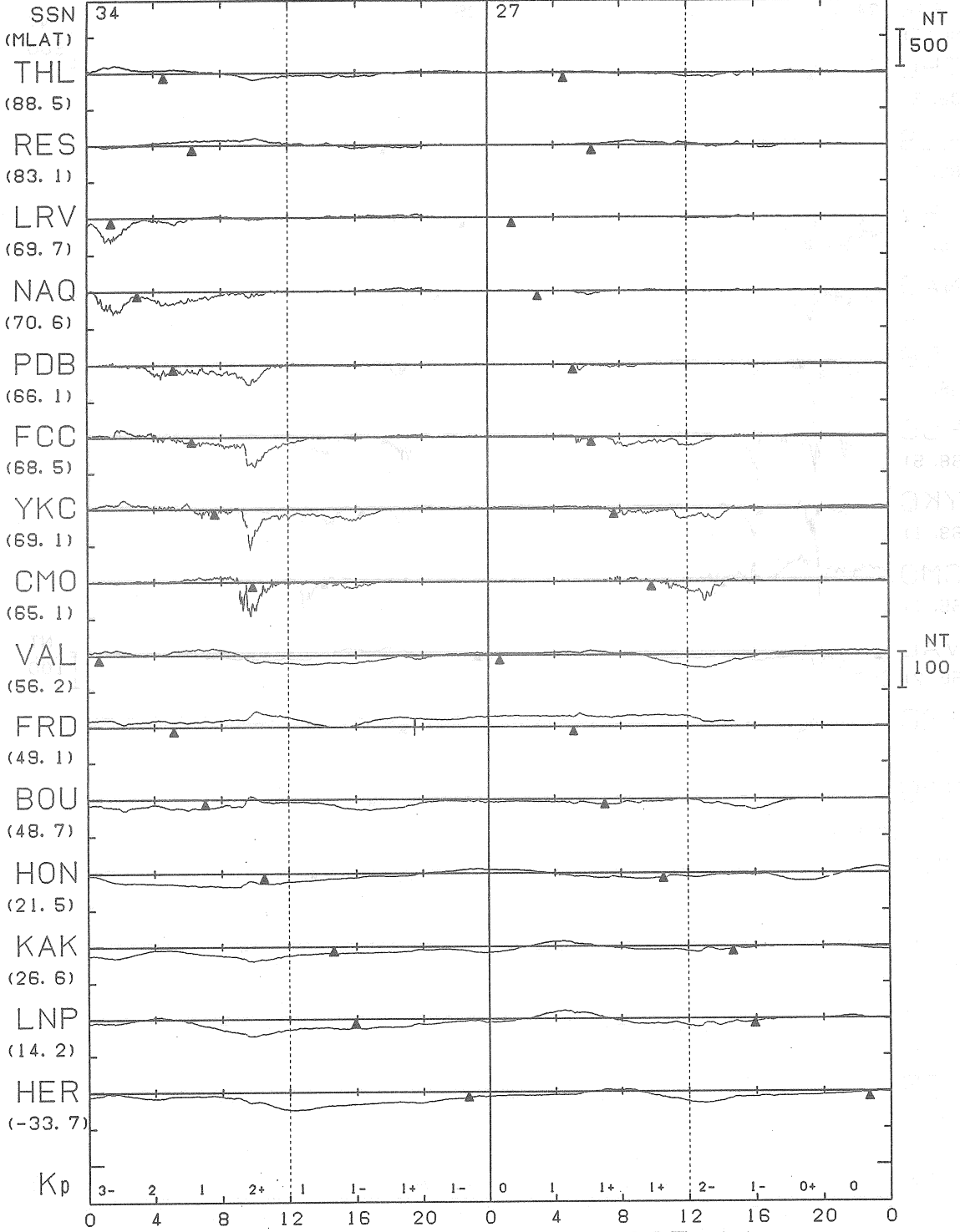
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

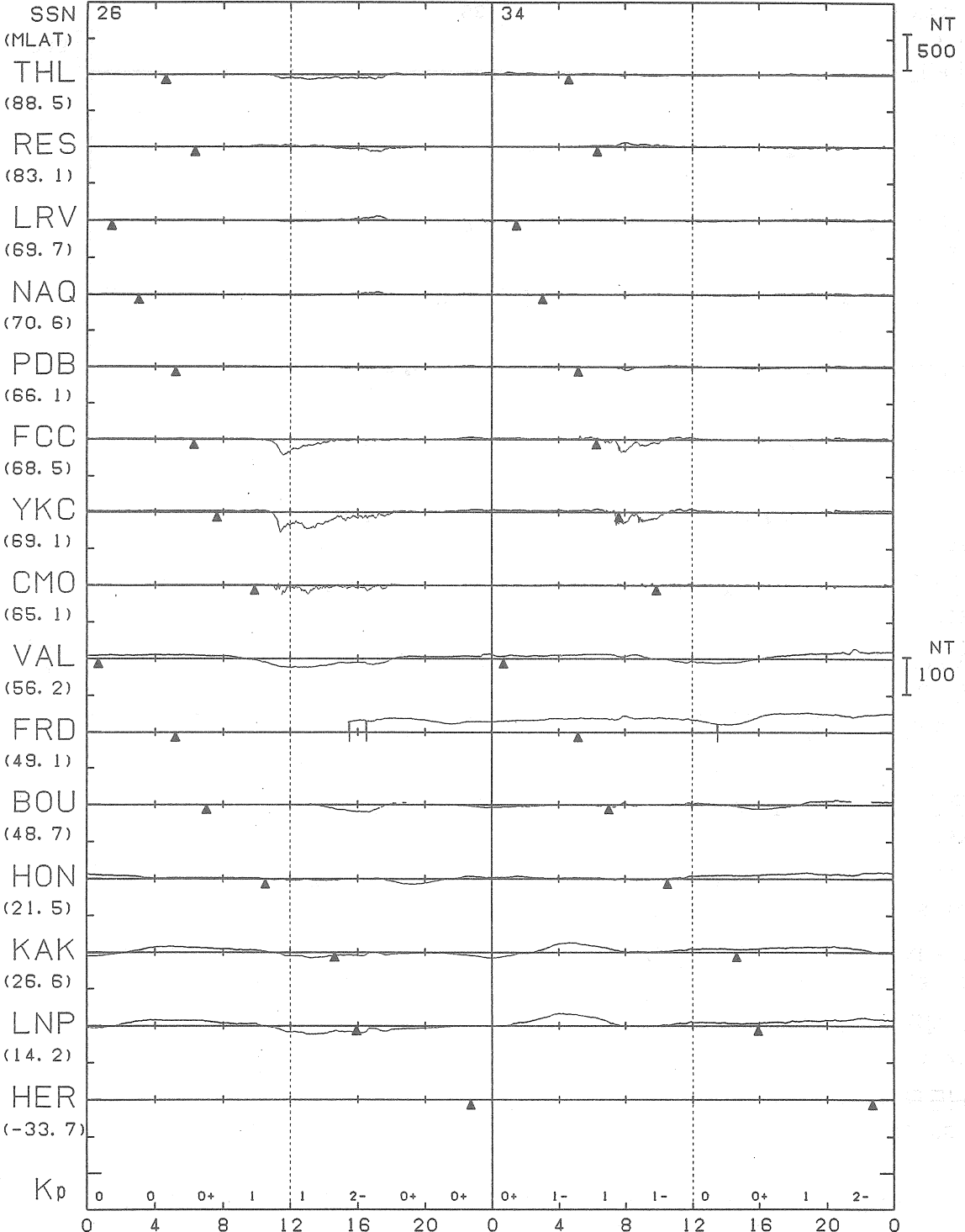


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

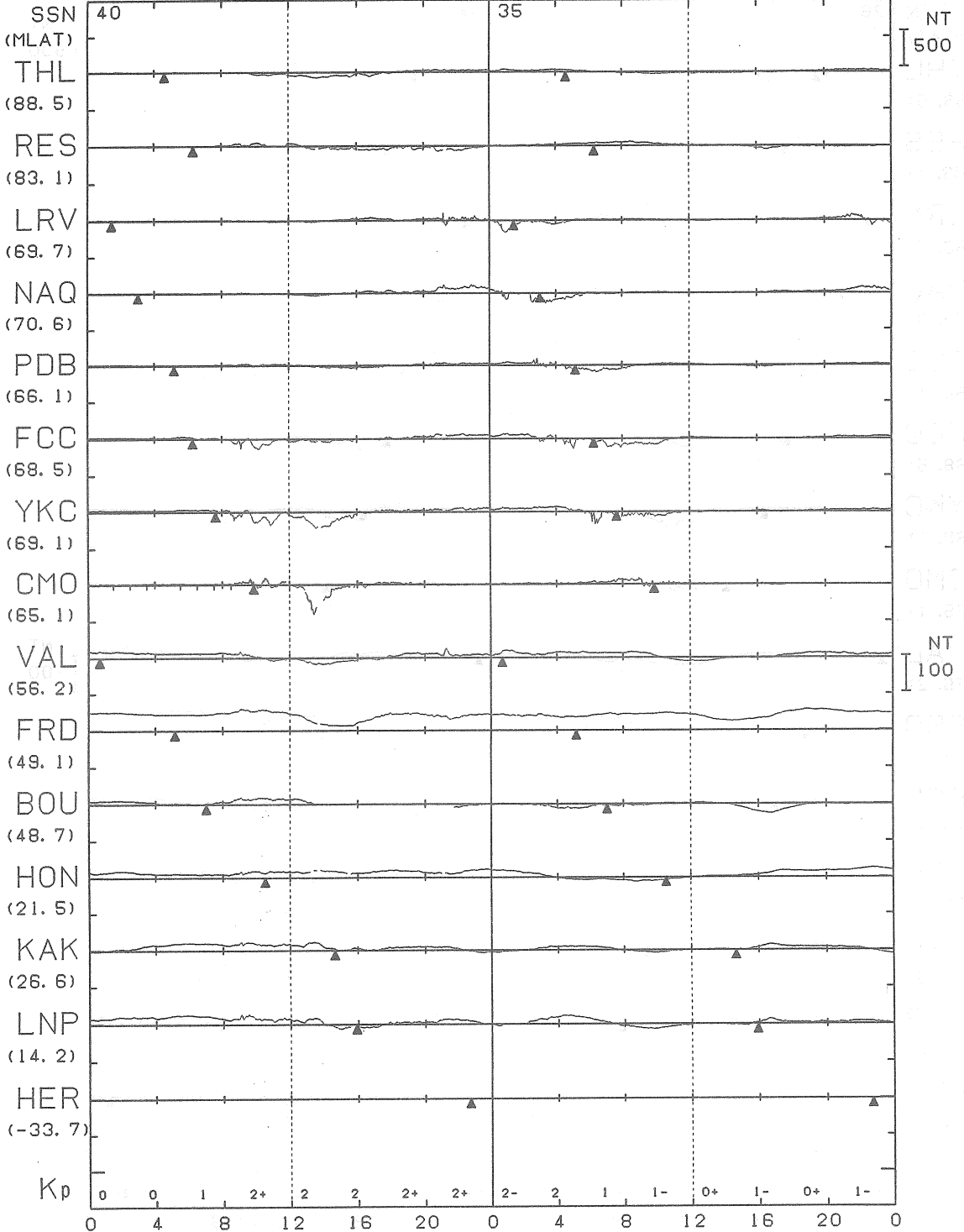
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT

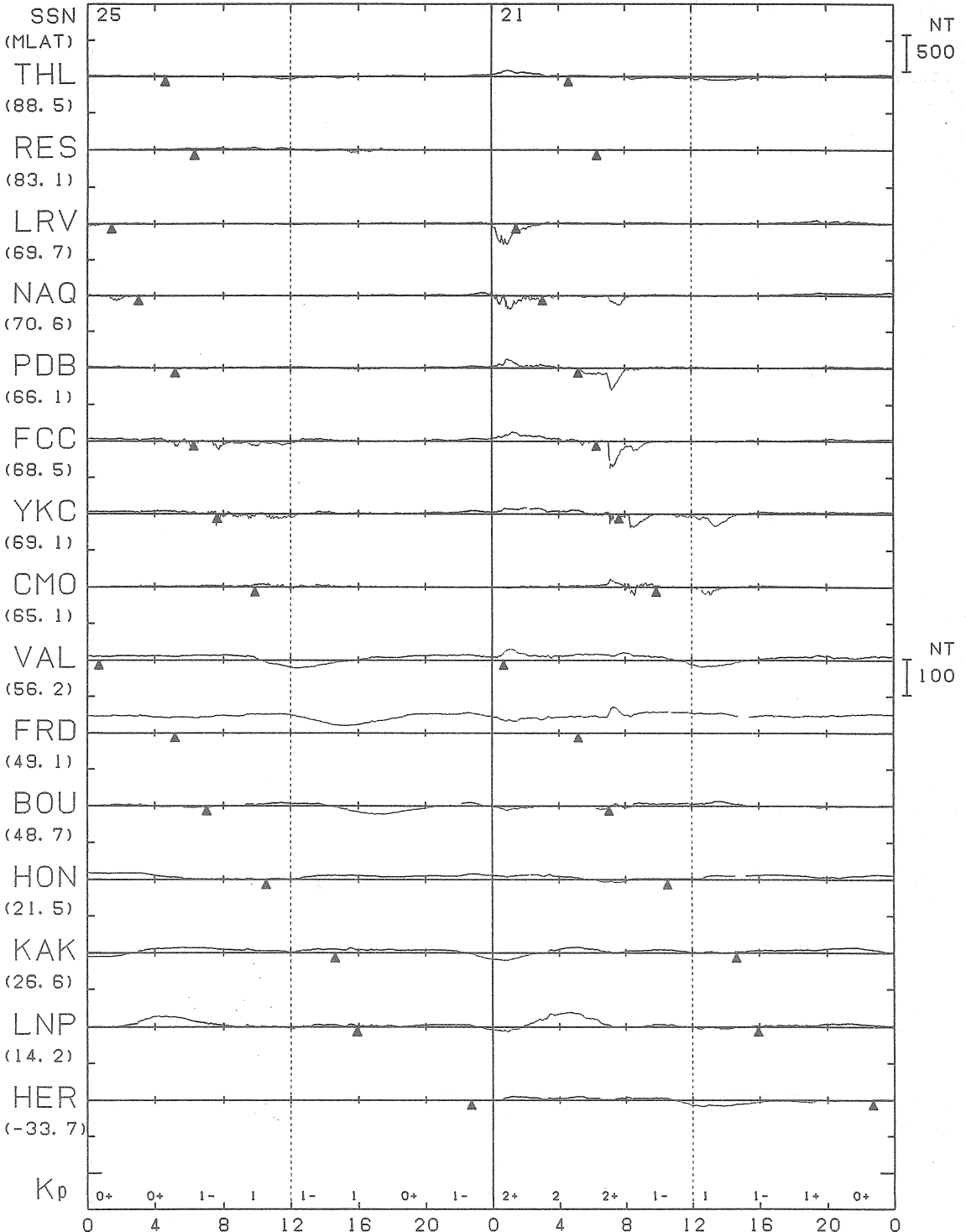


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



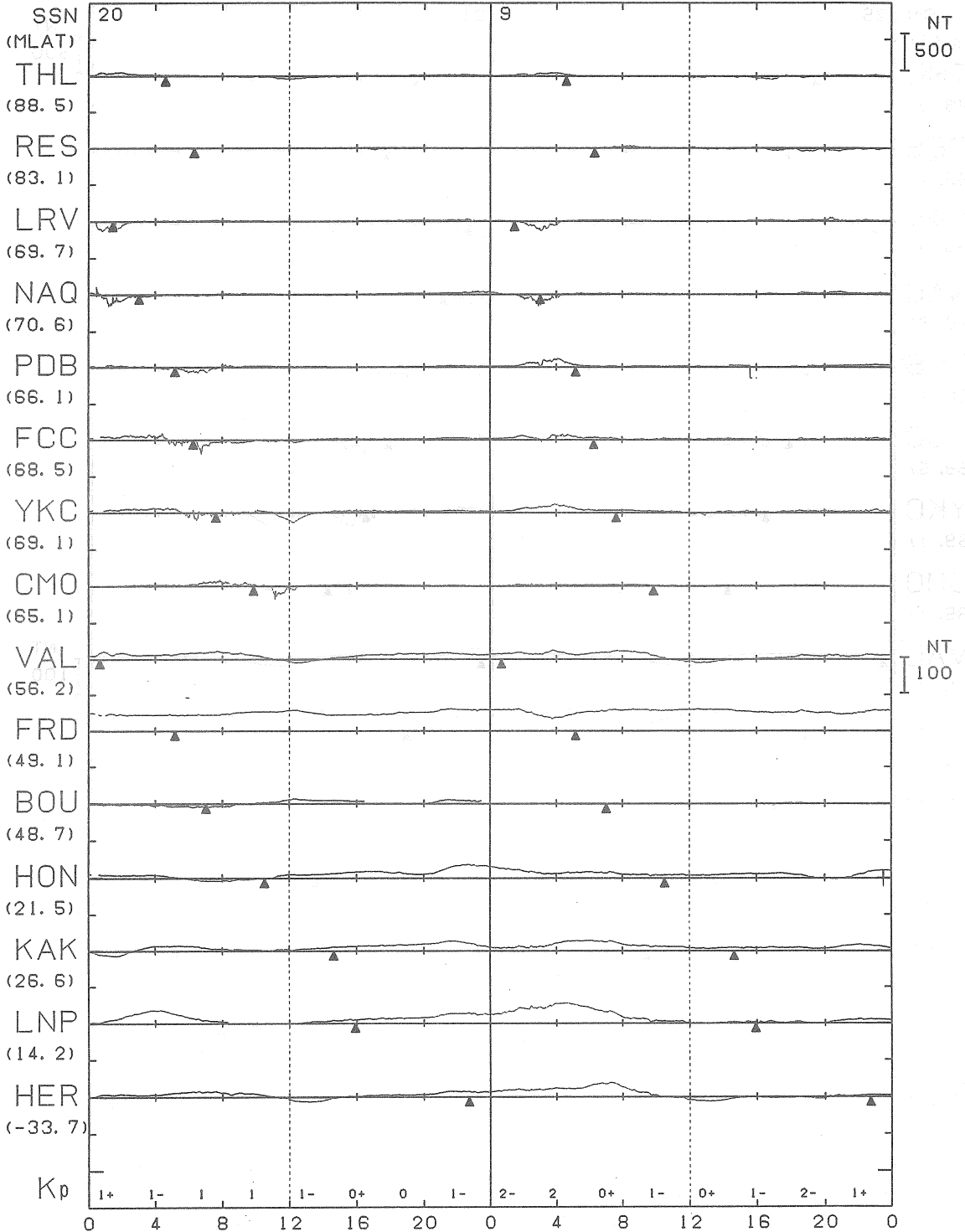
OCT 19  
(DAY 292)

OCT 20  
(DAY 293)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



OCT 21  
(DAY 294)

OCT 22  
(DAY 295)

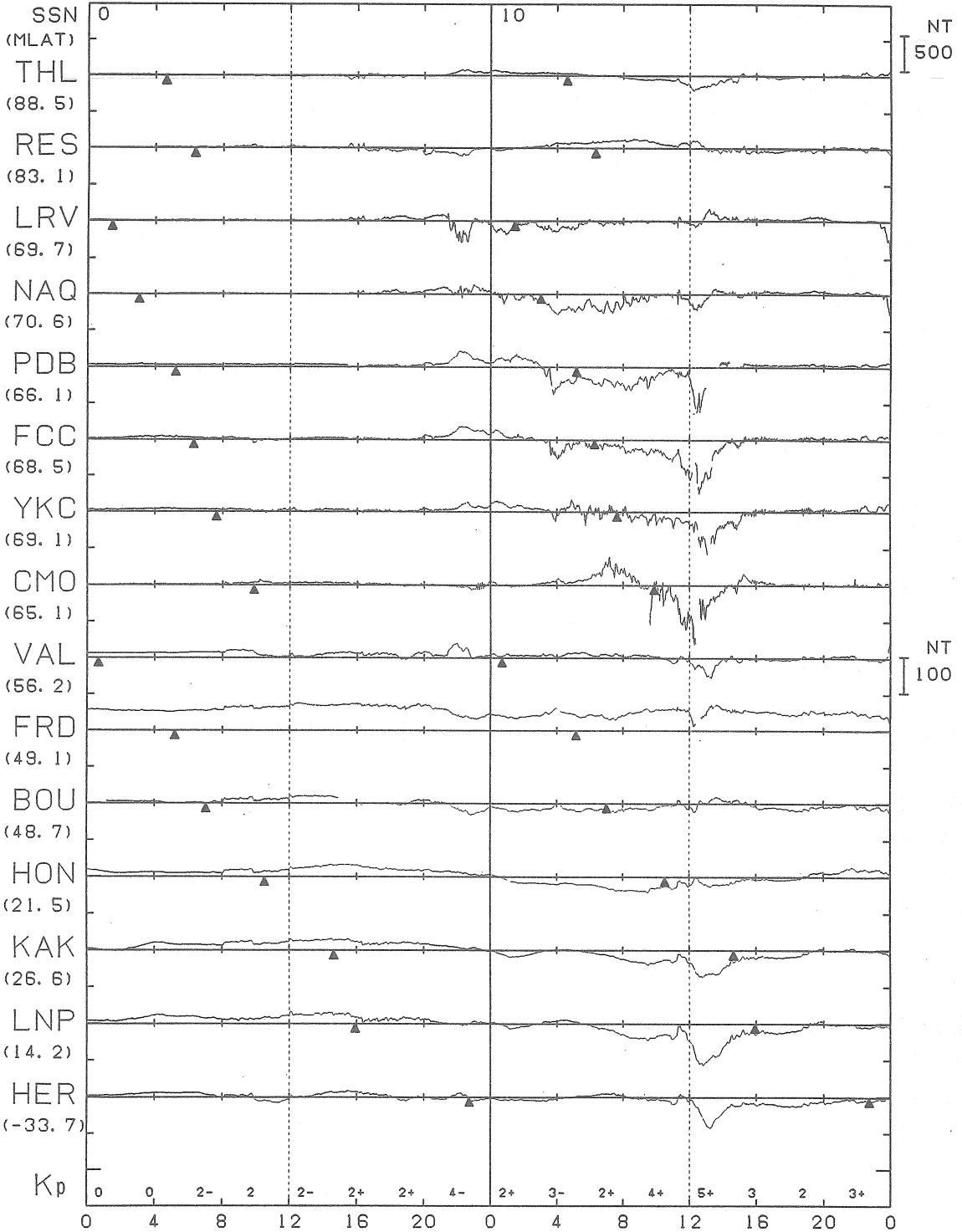
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



OCT 23  
(DAY 296)

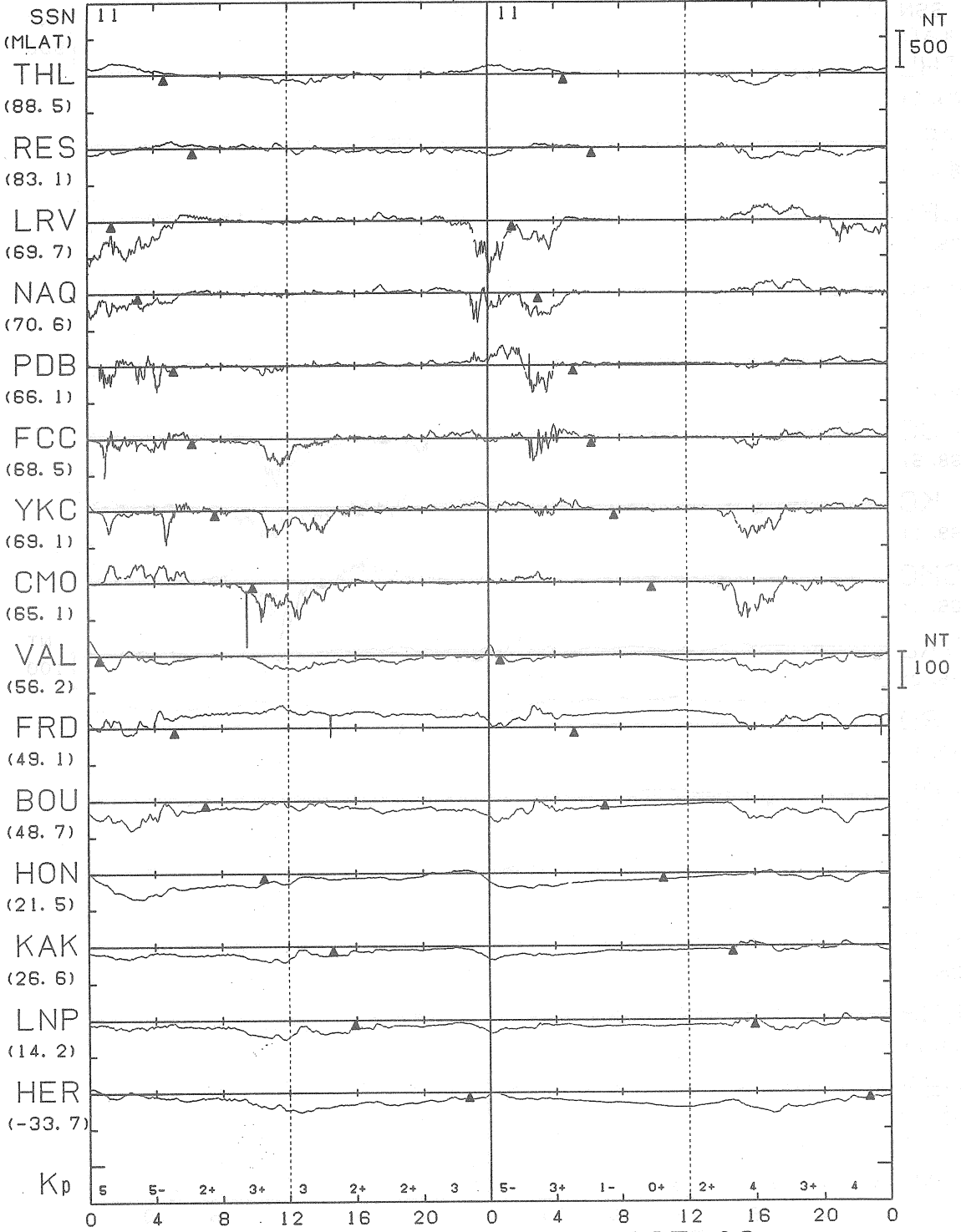
OCT 24  
(DAY 297)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

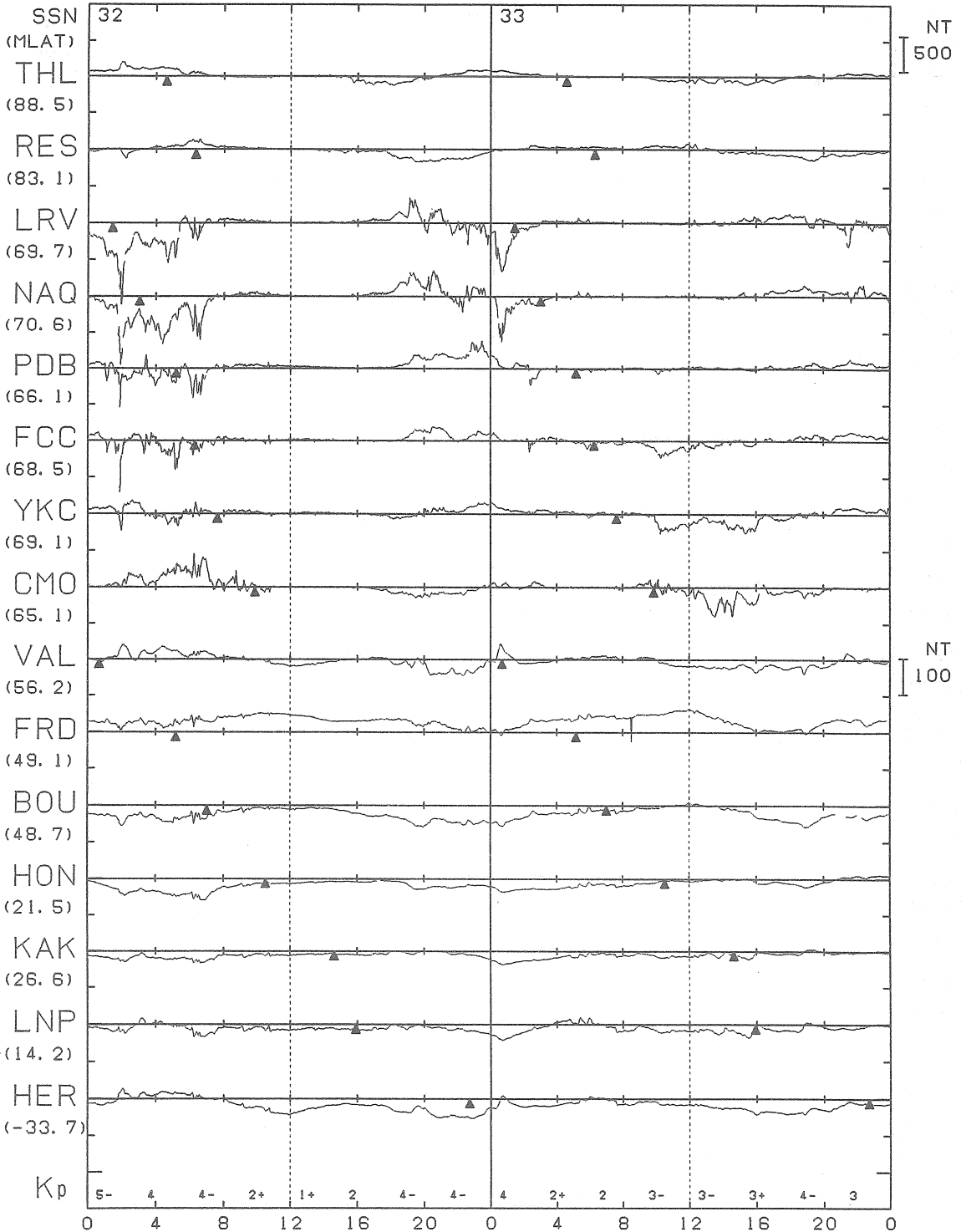


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



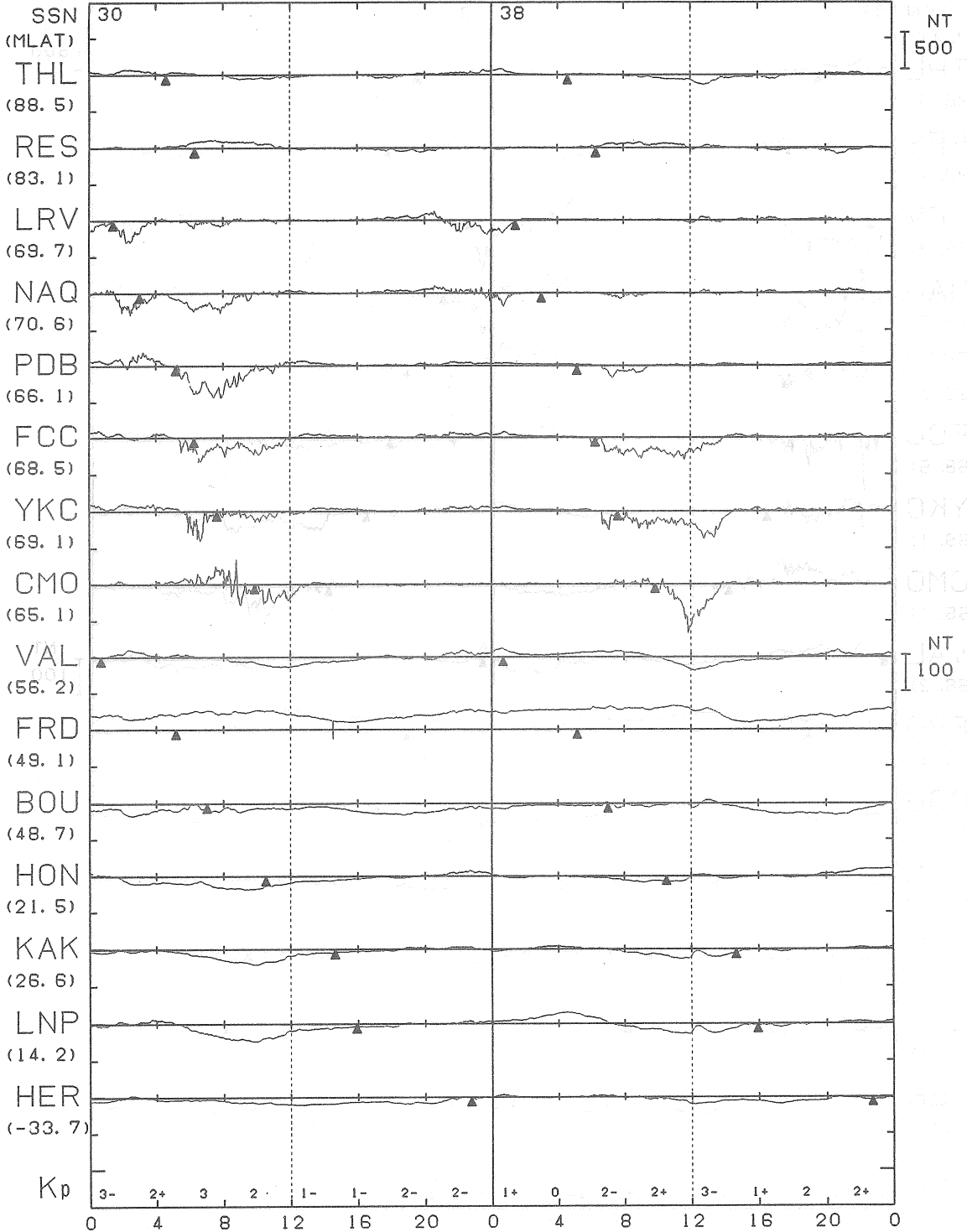
OCT 27  
(DAY 300)

OCT 28  
(DAY 301)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



OCT 29  
(DAY 302)

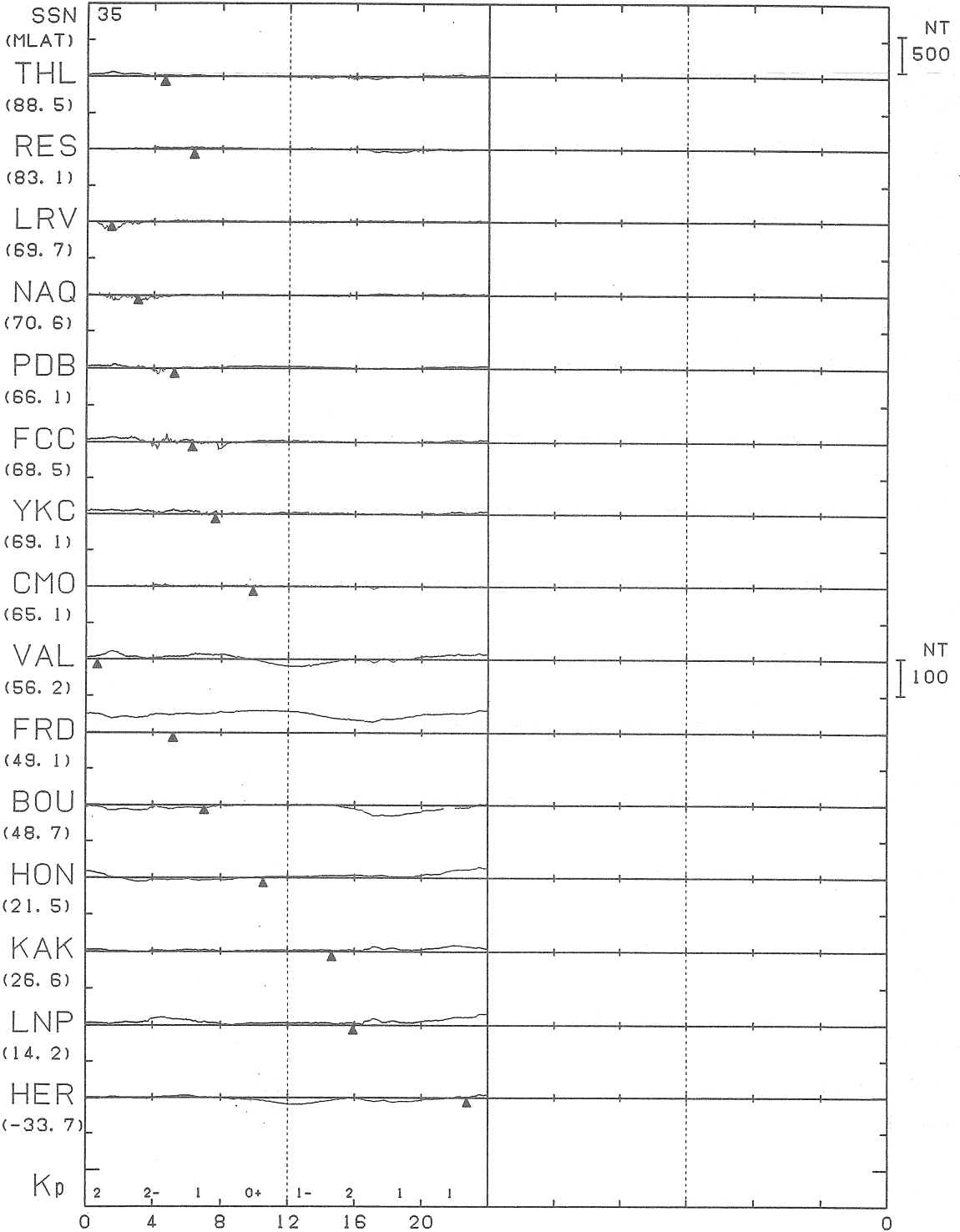
OCT 30  
(DAY 303)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

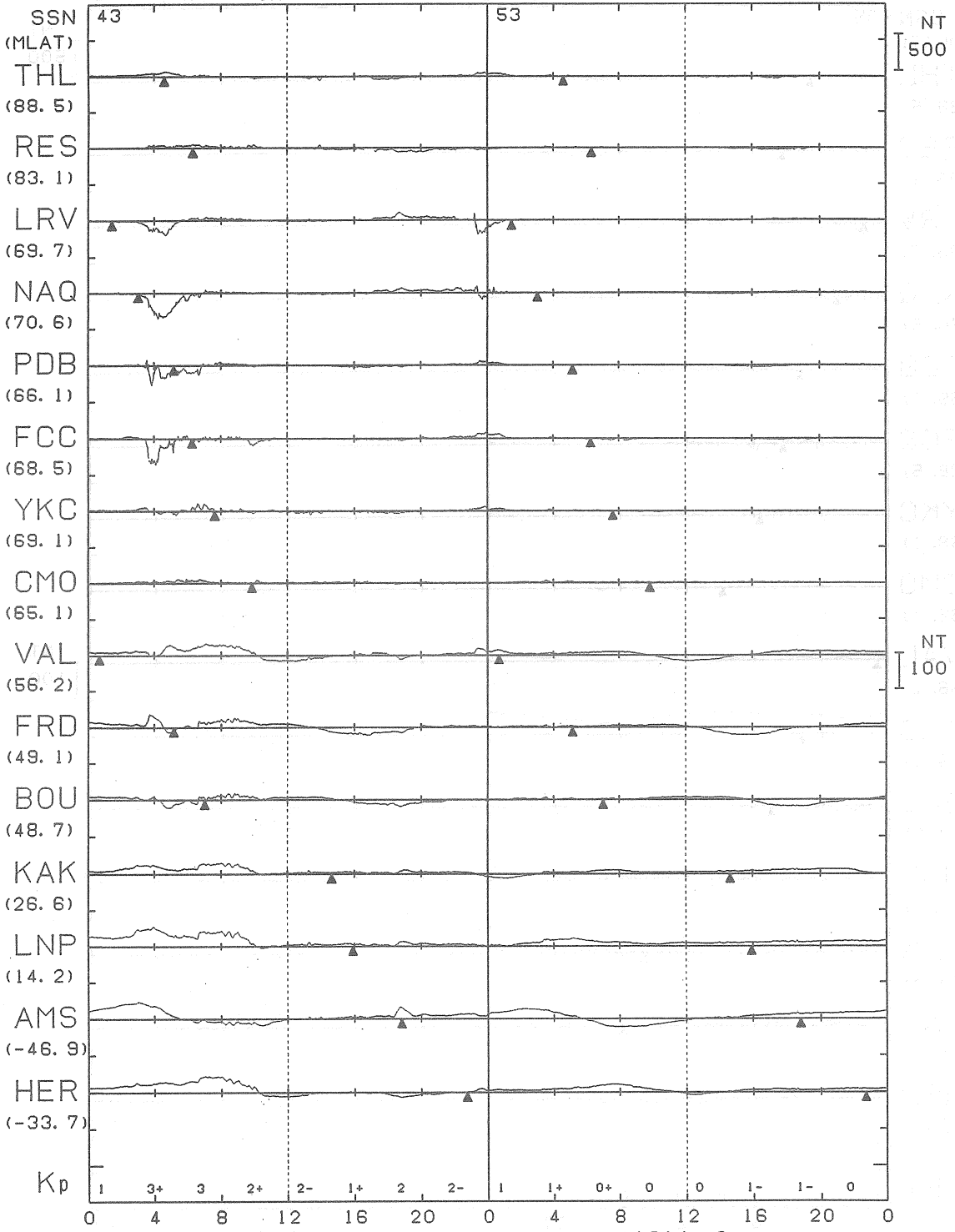


OCT 31  
(DAY 304)

- \* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
- \* PROMPT DATA ARE INCLUDED
- \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

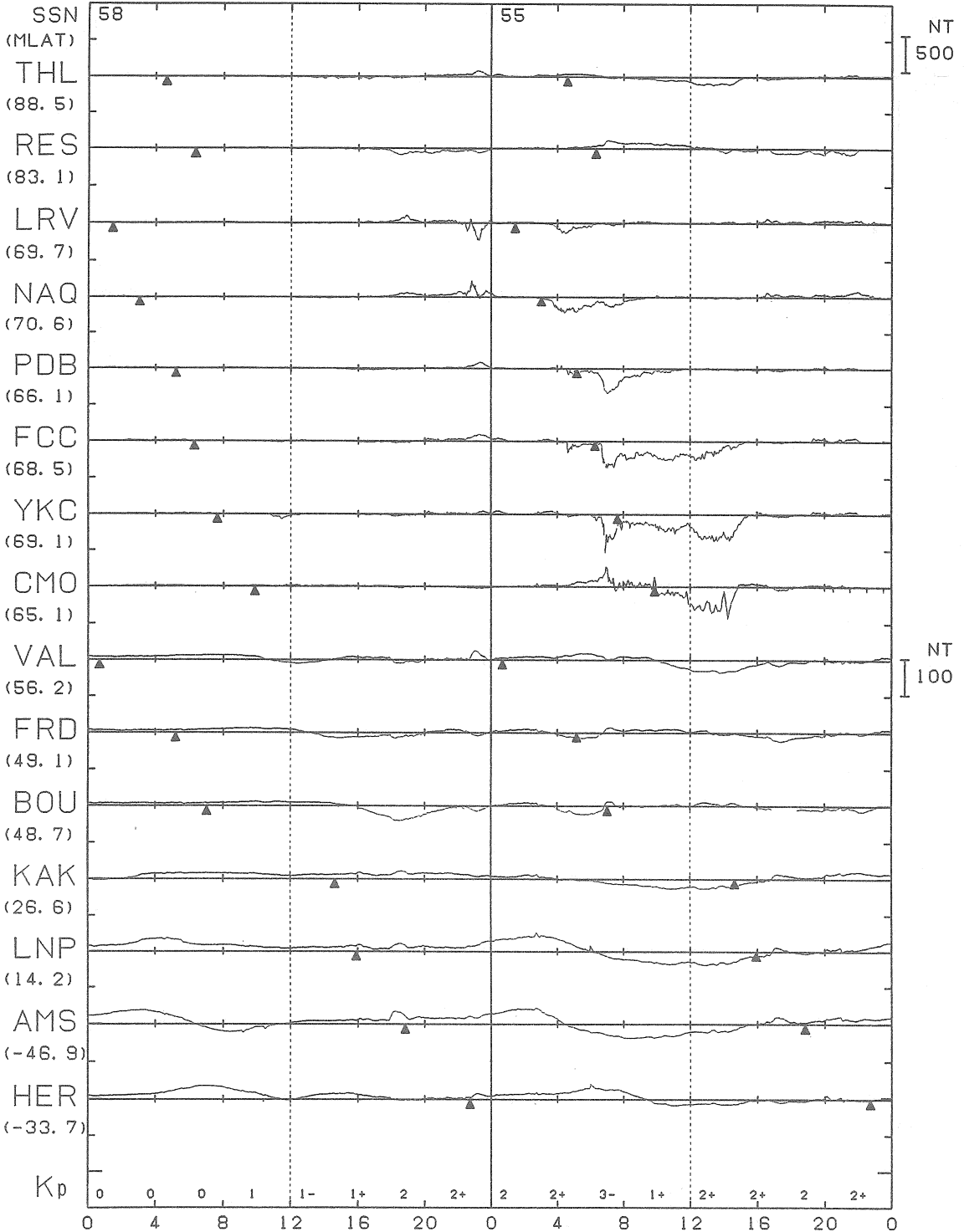


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



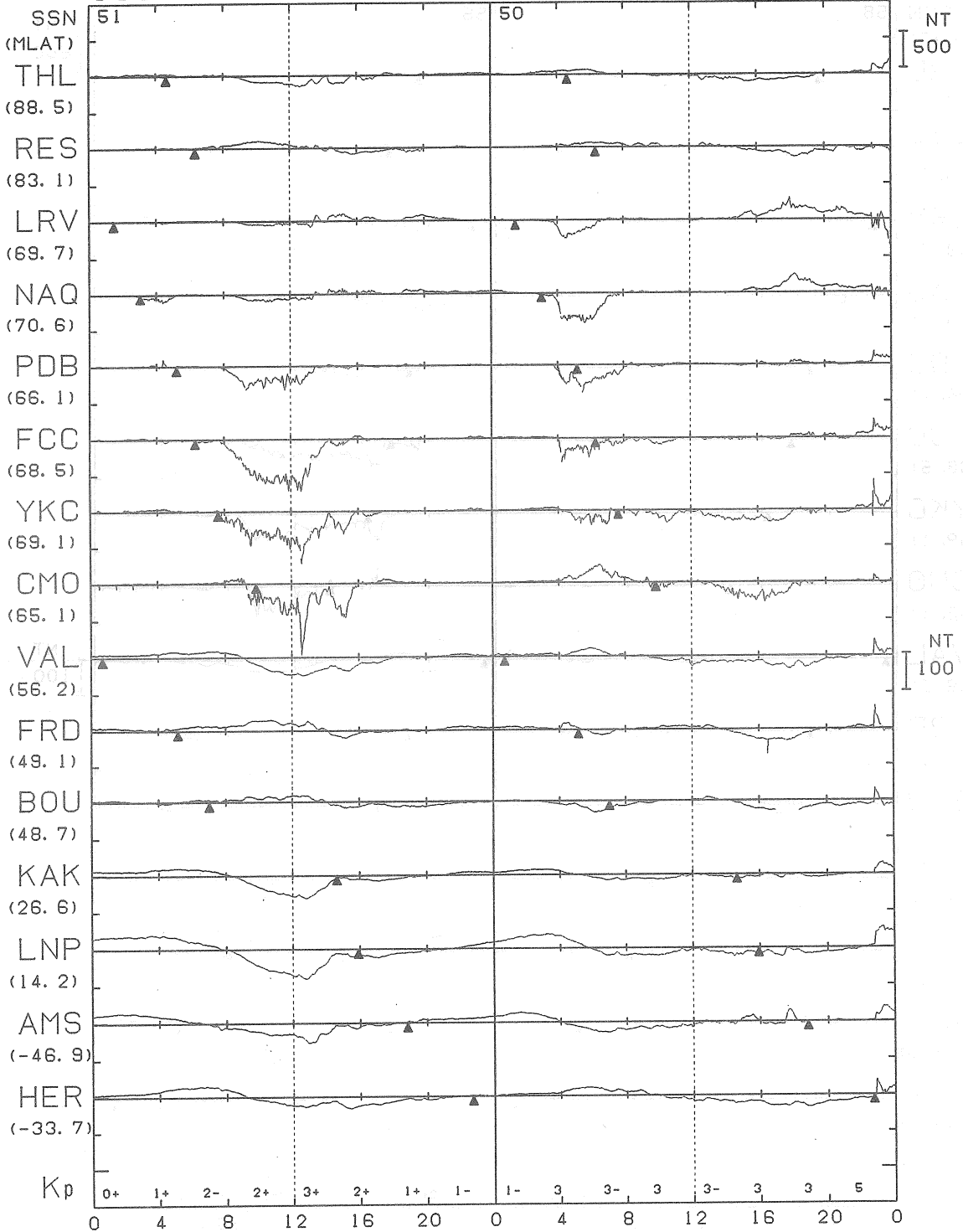
NOV 3  
(DAY 307)

NOV 4  
(DAY 308)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT

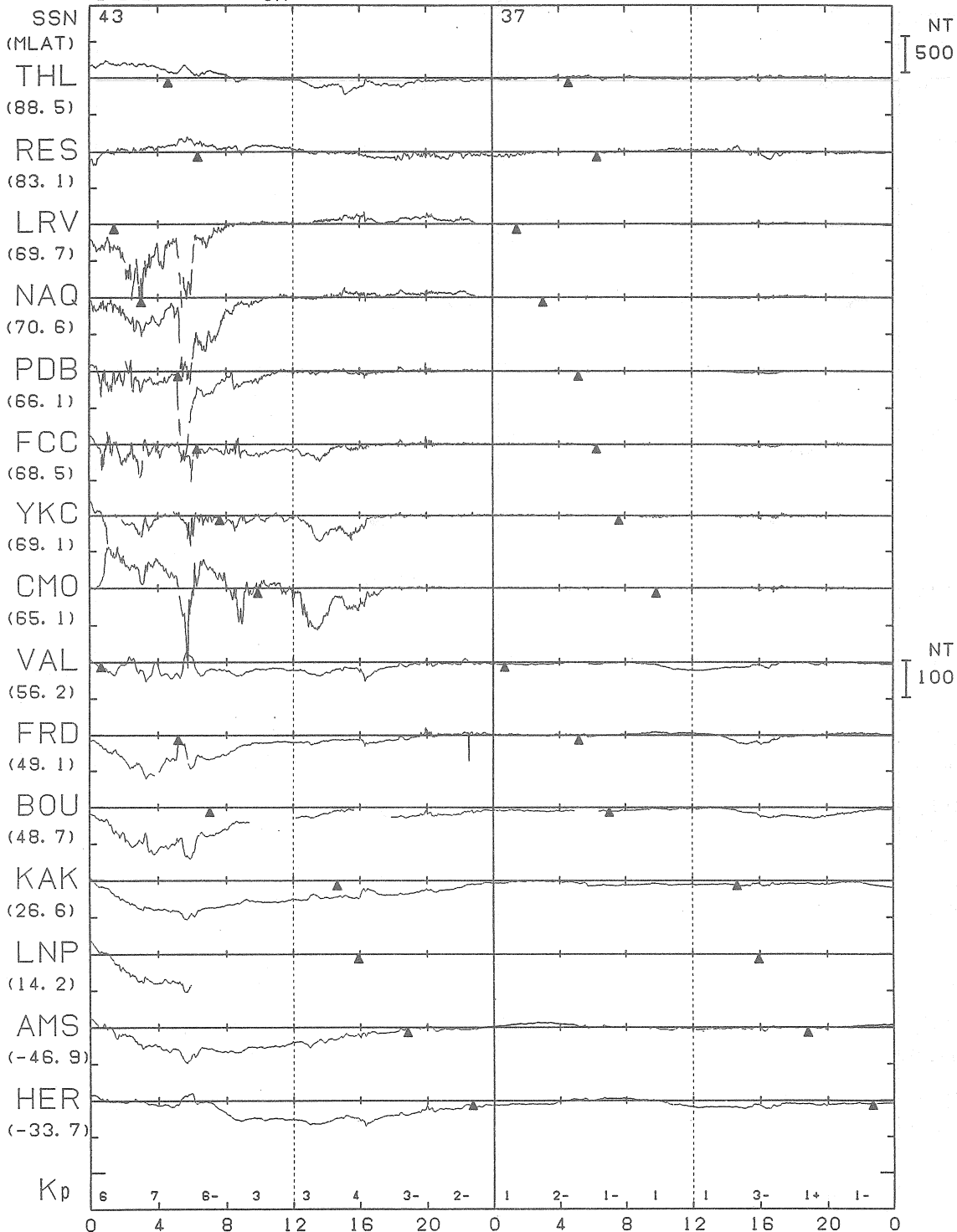


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



NOV 7  
(DAY 311)

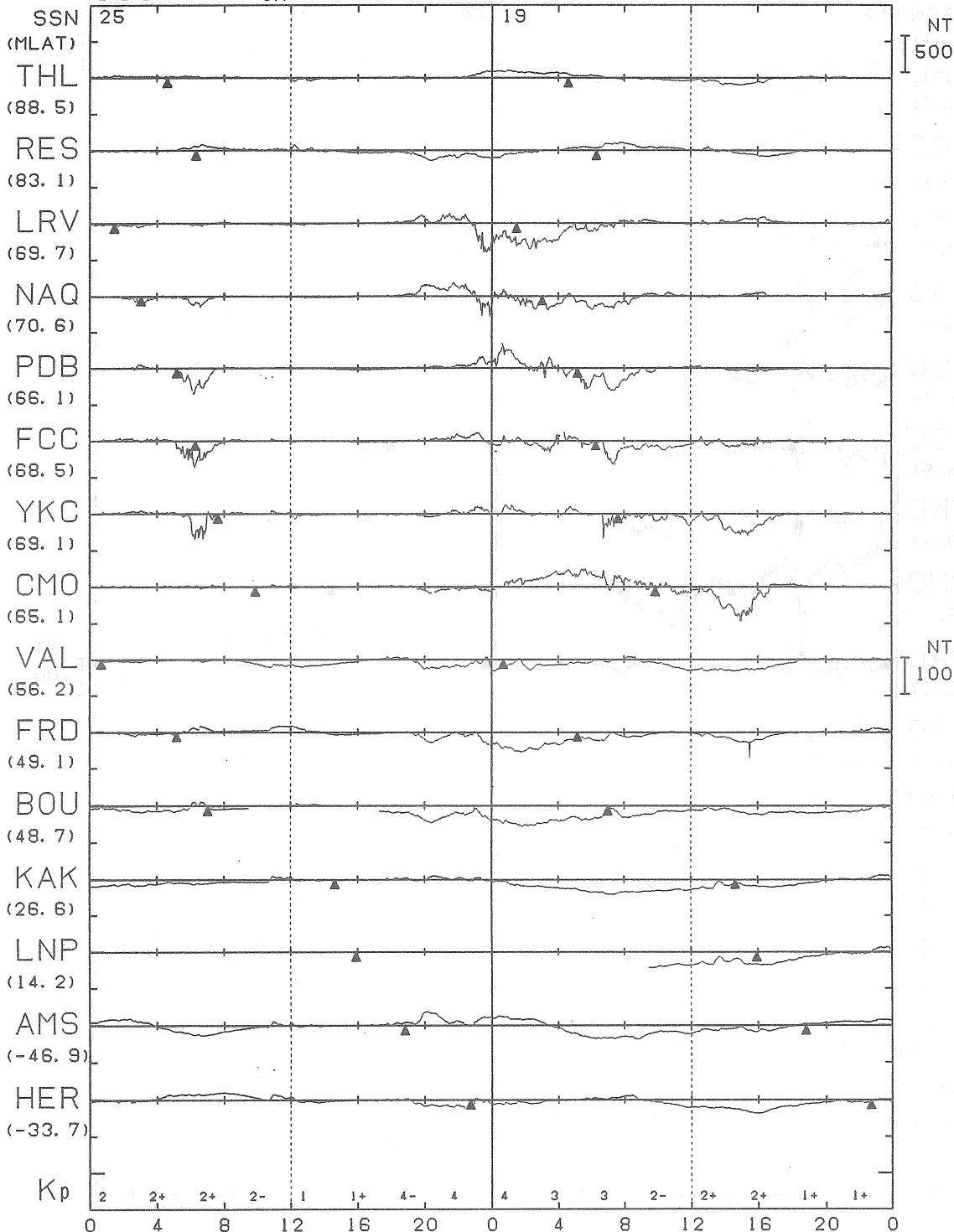
NOV 8  
(DAY 312)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

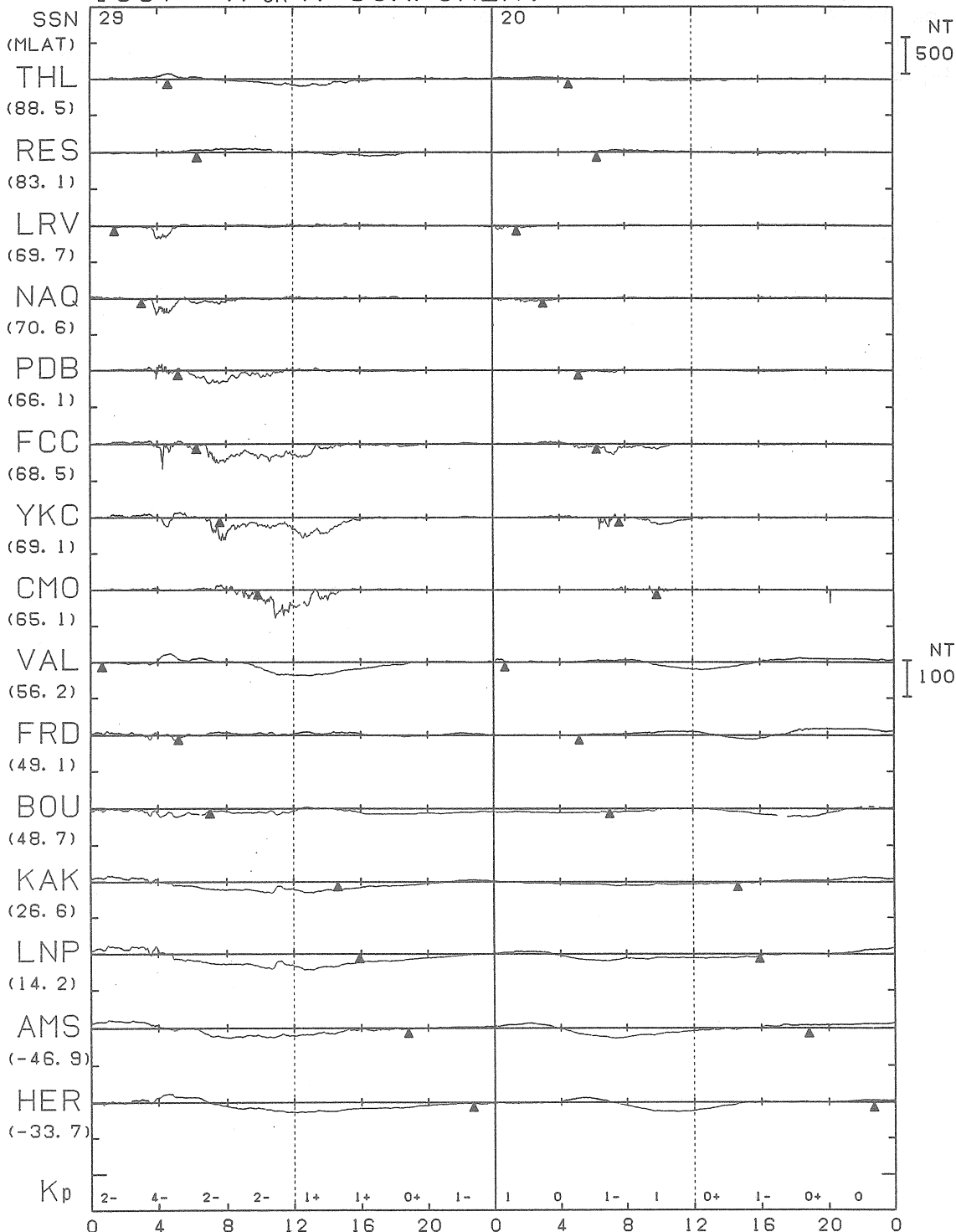


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

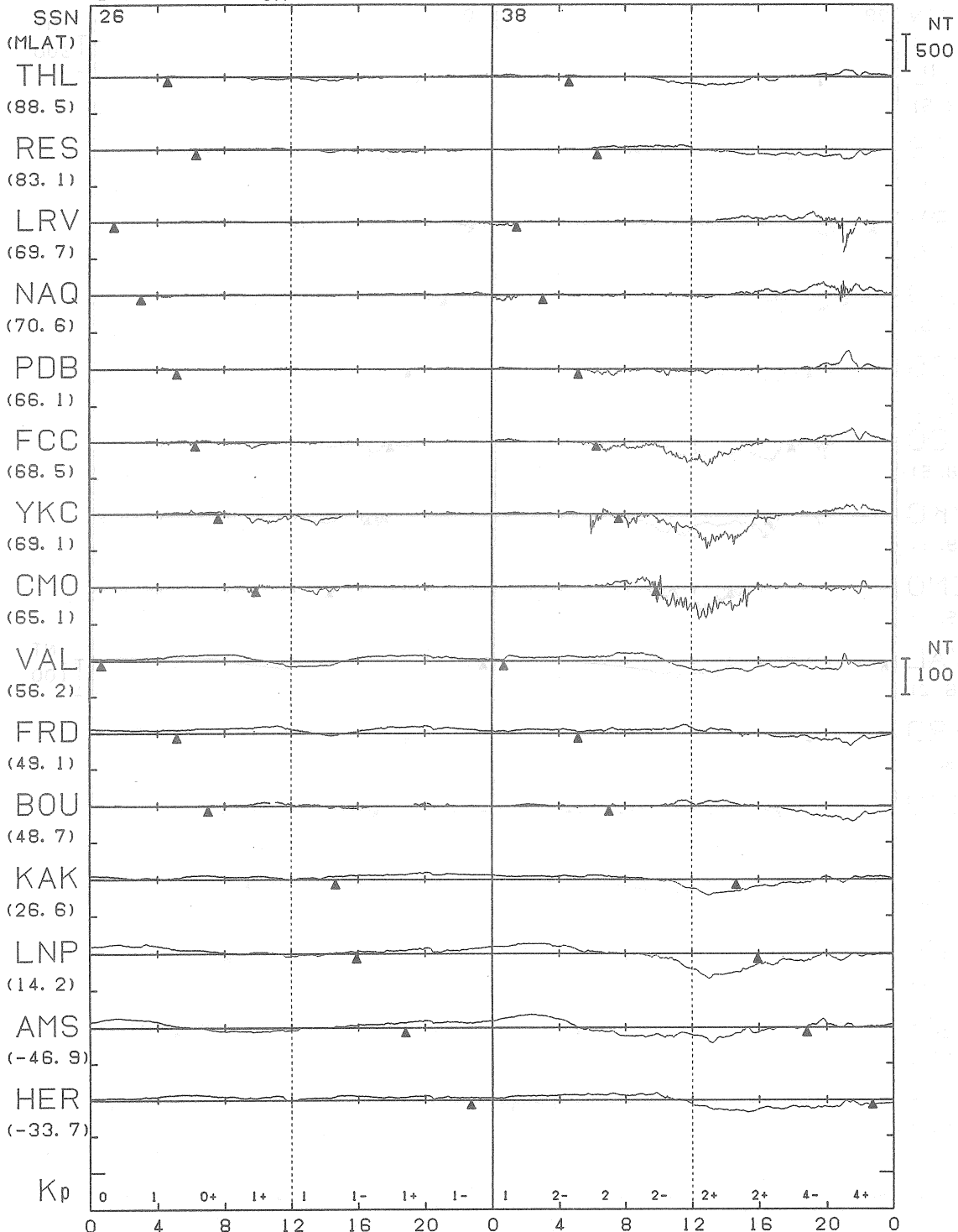
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



NOV 13  
(DAY 317)

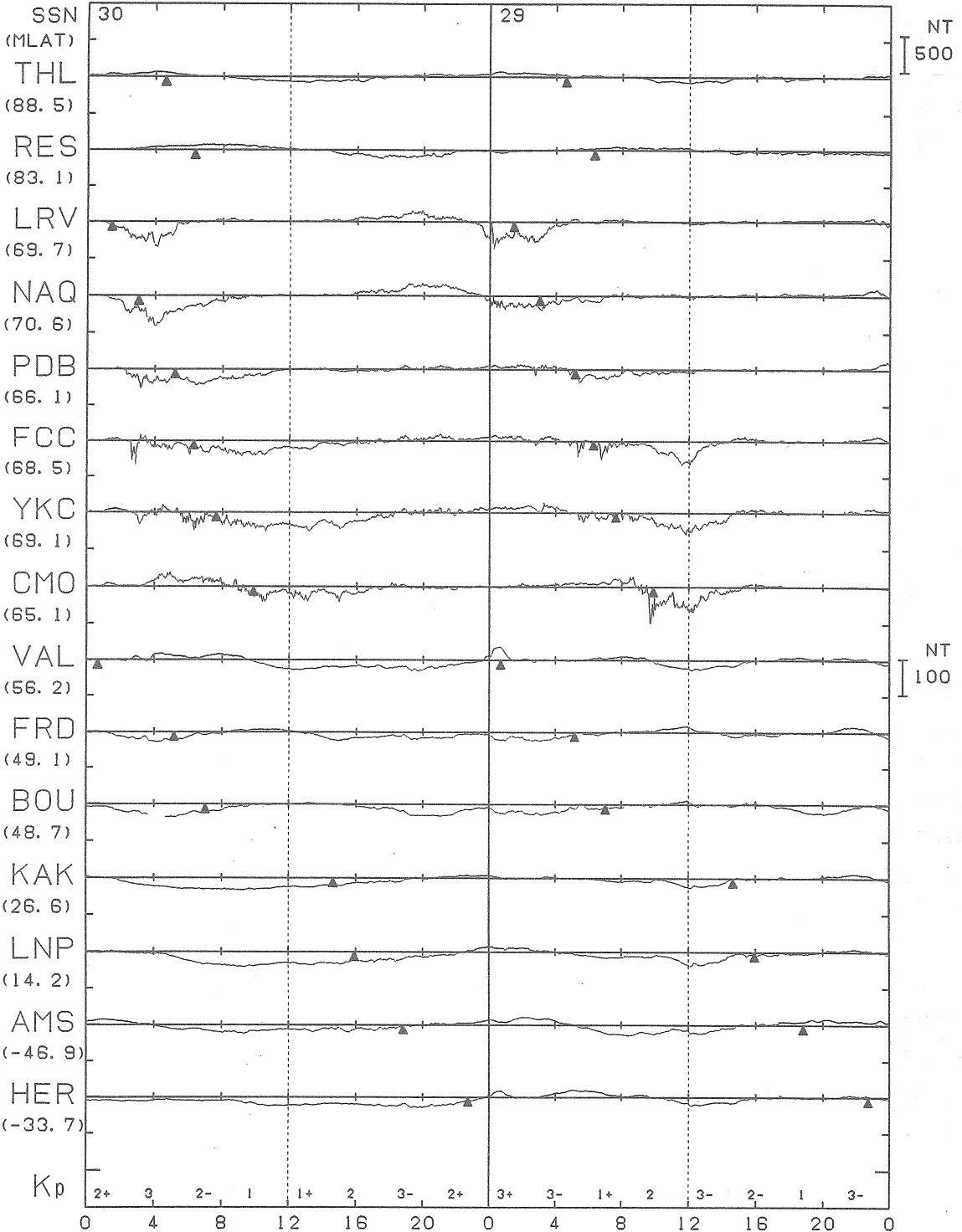
NOV 14  
(DAY 318)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

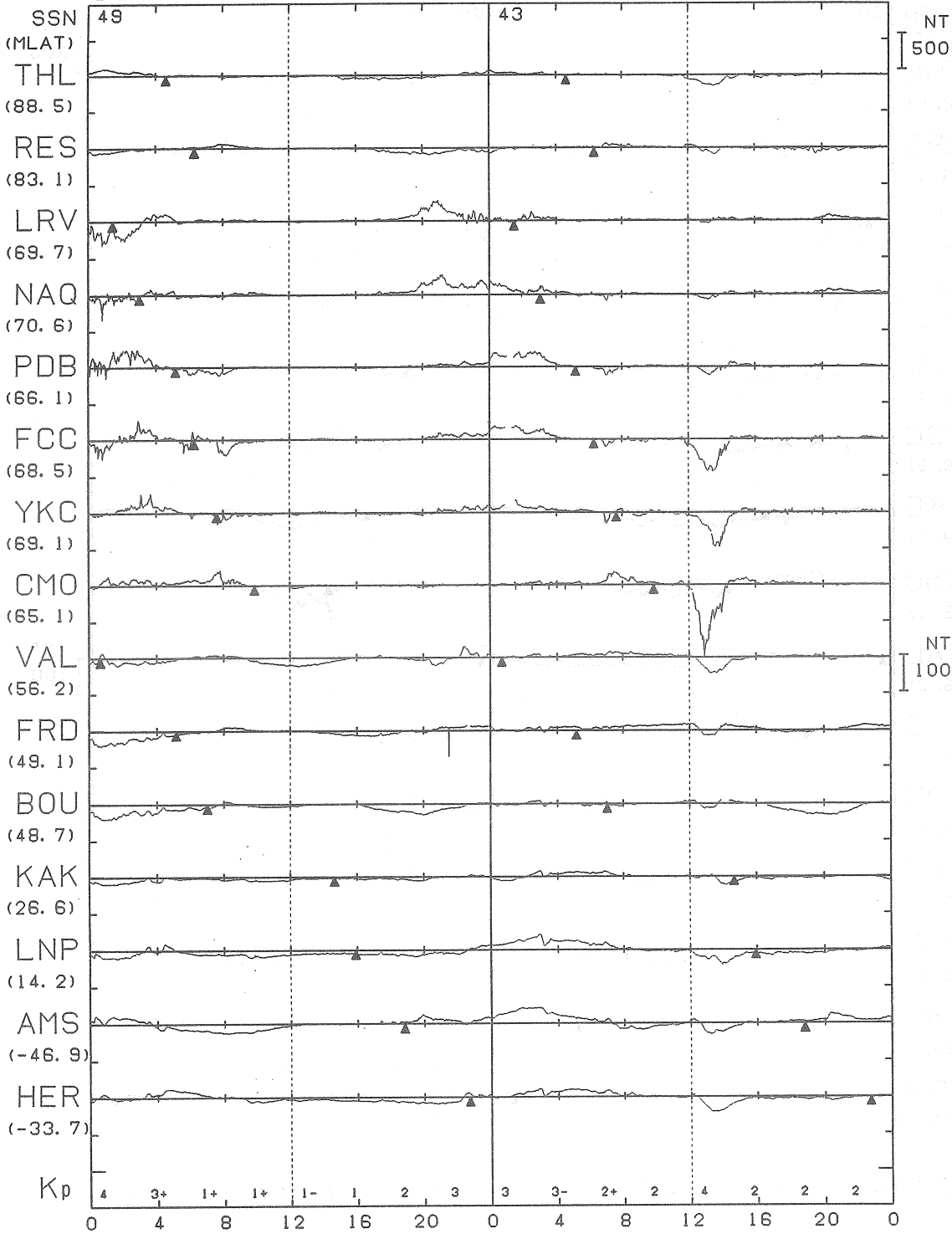


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



NOV 17  
(DAY 321)

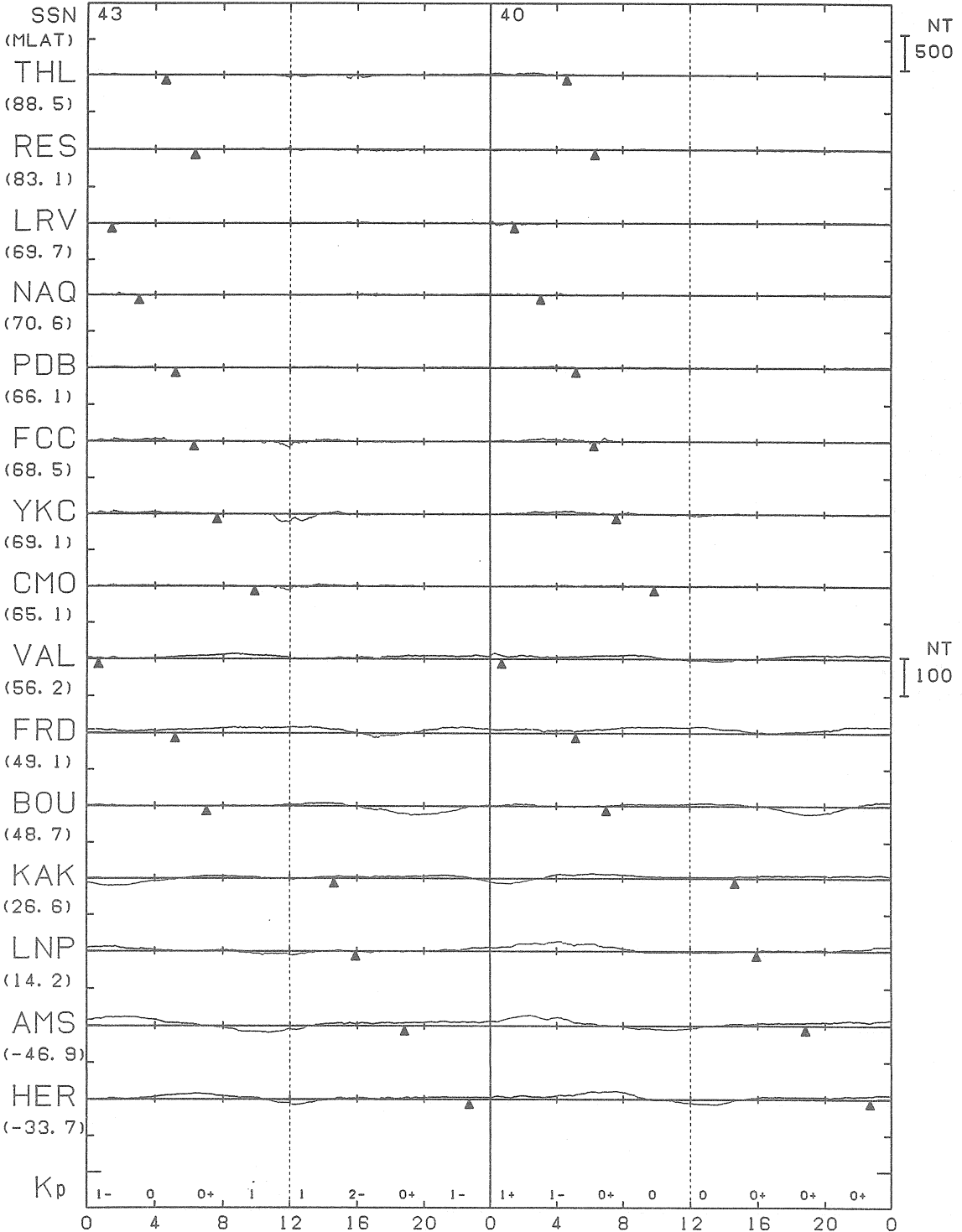
NOV 18  
(DAY 322)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



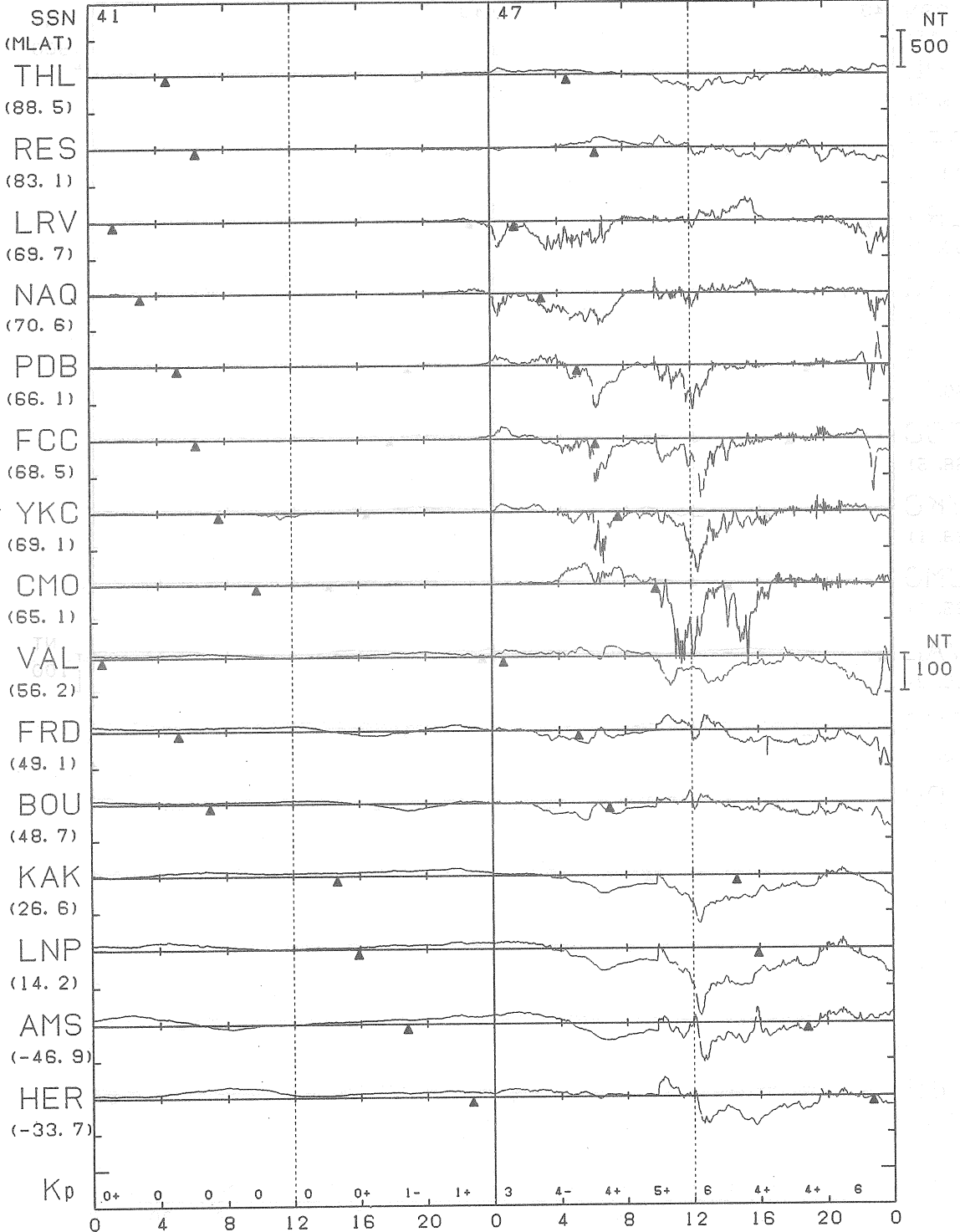
NOV 19  
(DAY 323)

NOV 20  
(DAY 324)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



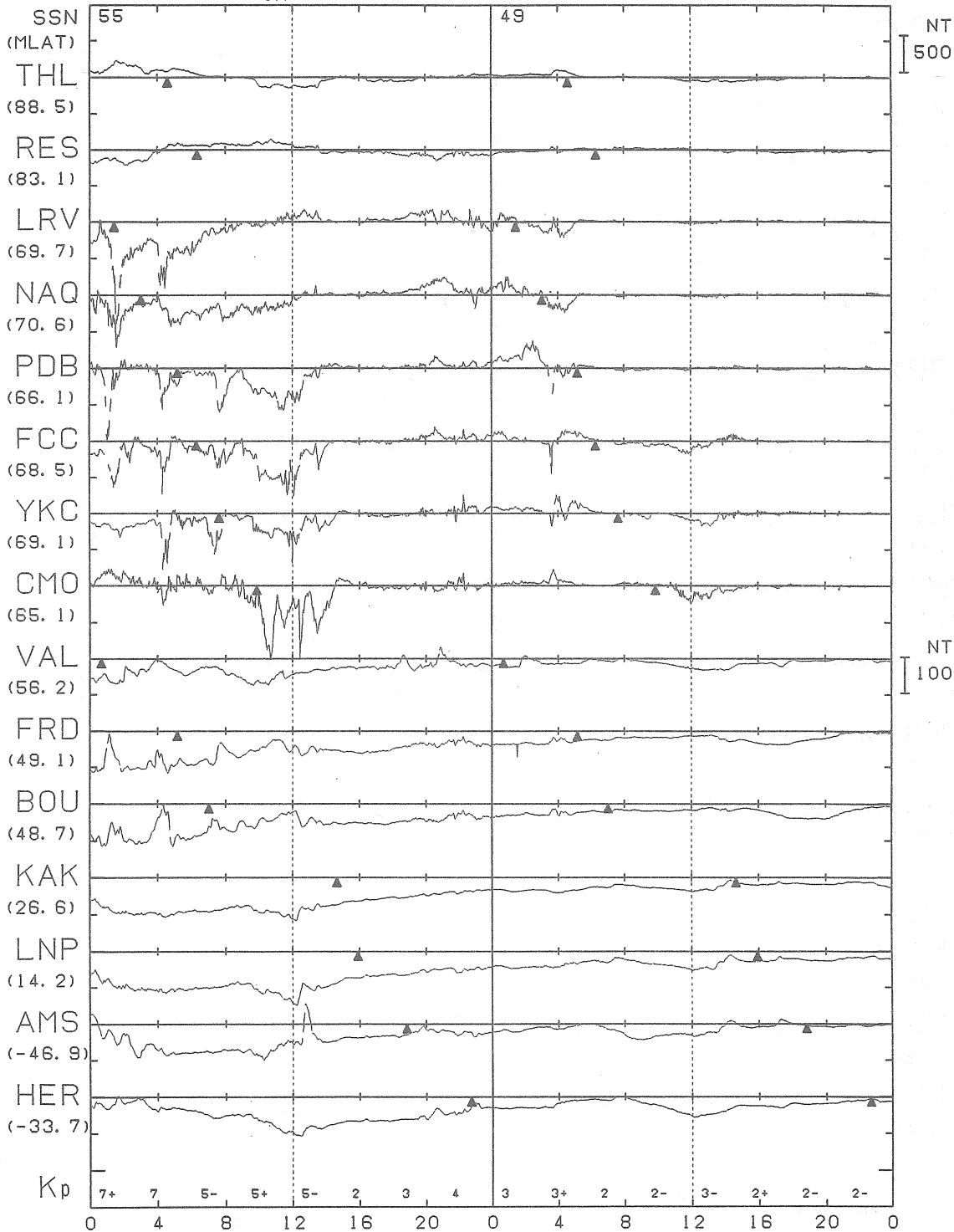
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

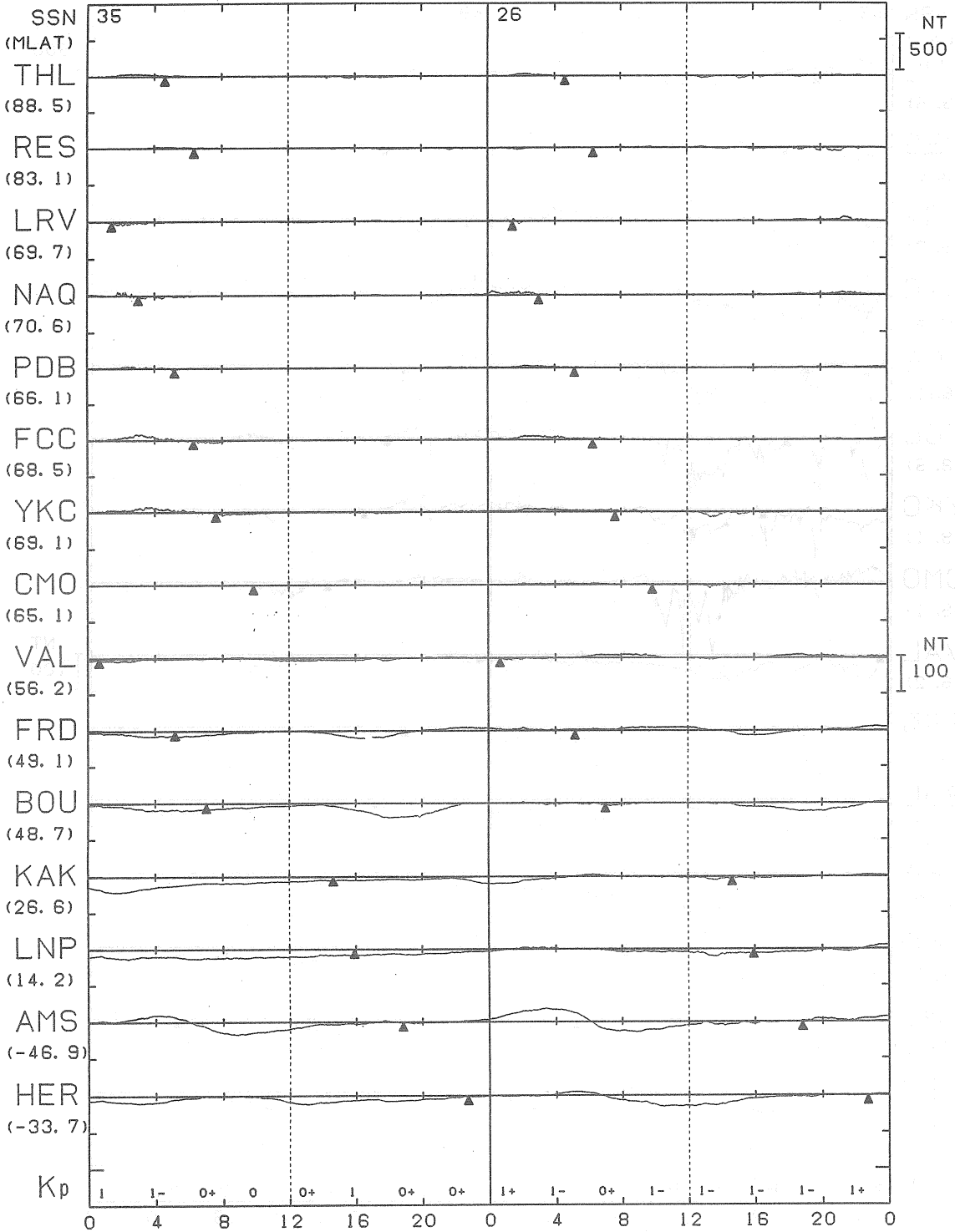


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

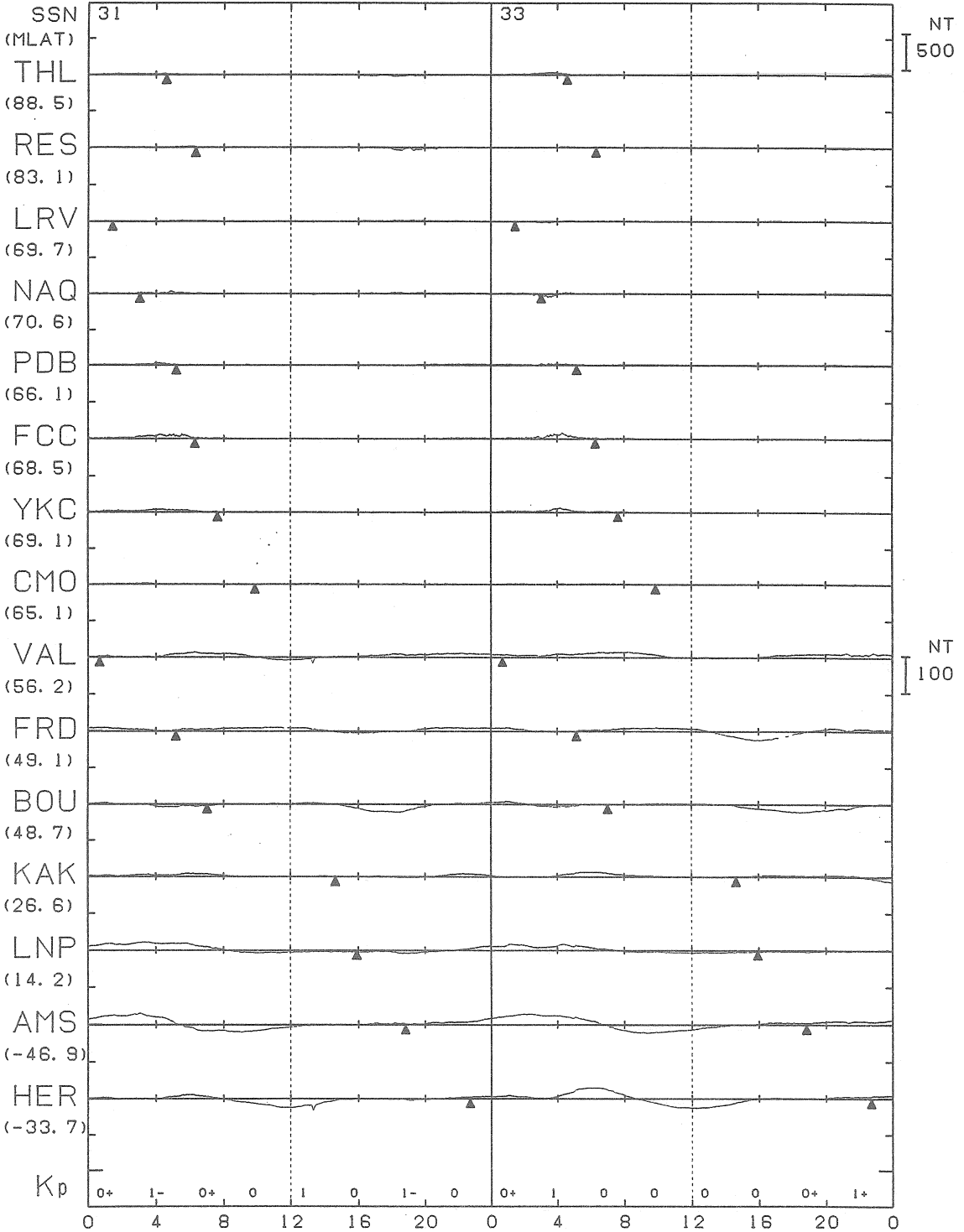


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



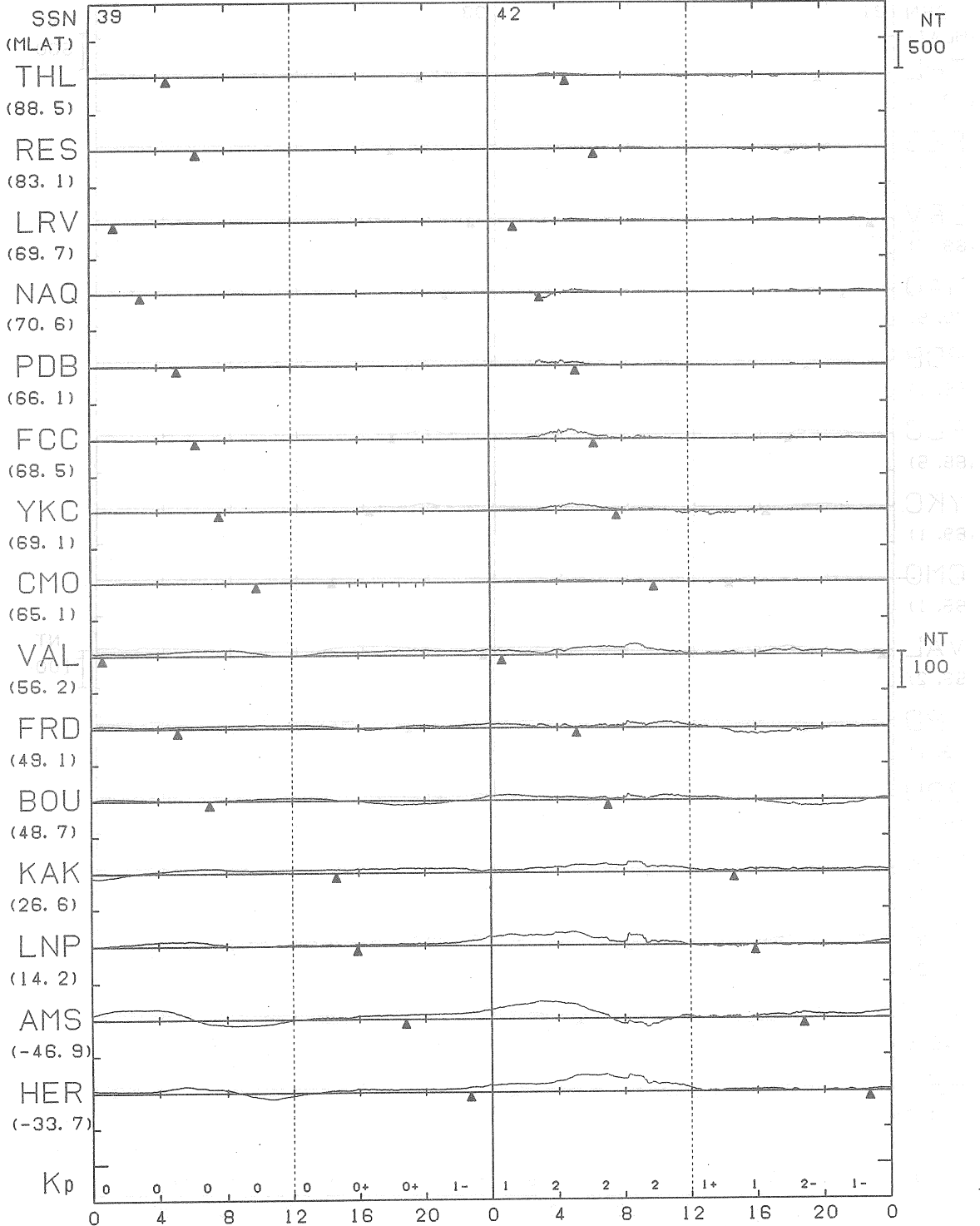
NOV 27  
(DAY 331)

NOV 28  
(DAY 332)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\blacktriangle$  : LOCAL MIDNIGHT



NOV 29  
(DAY 333)

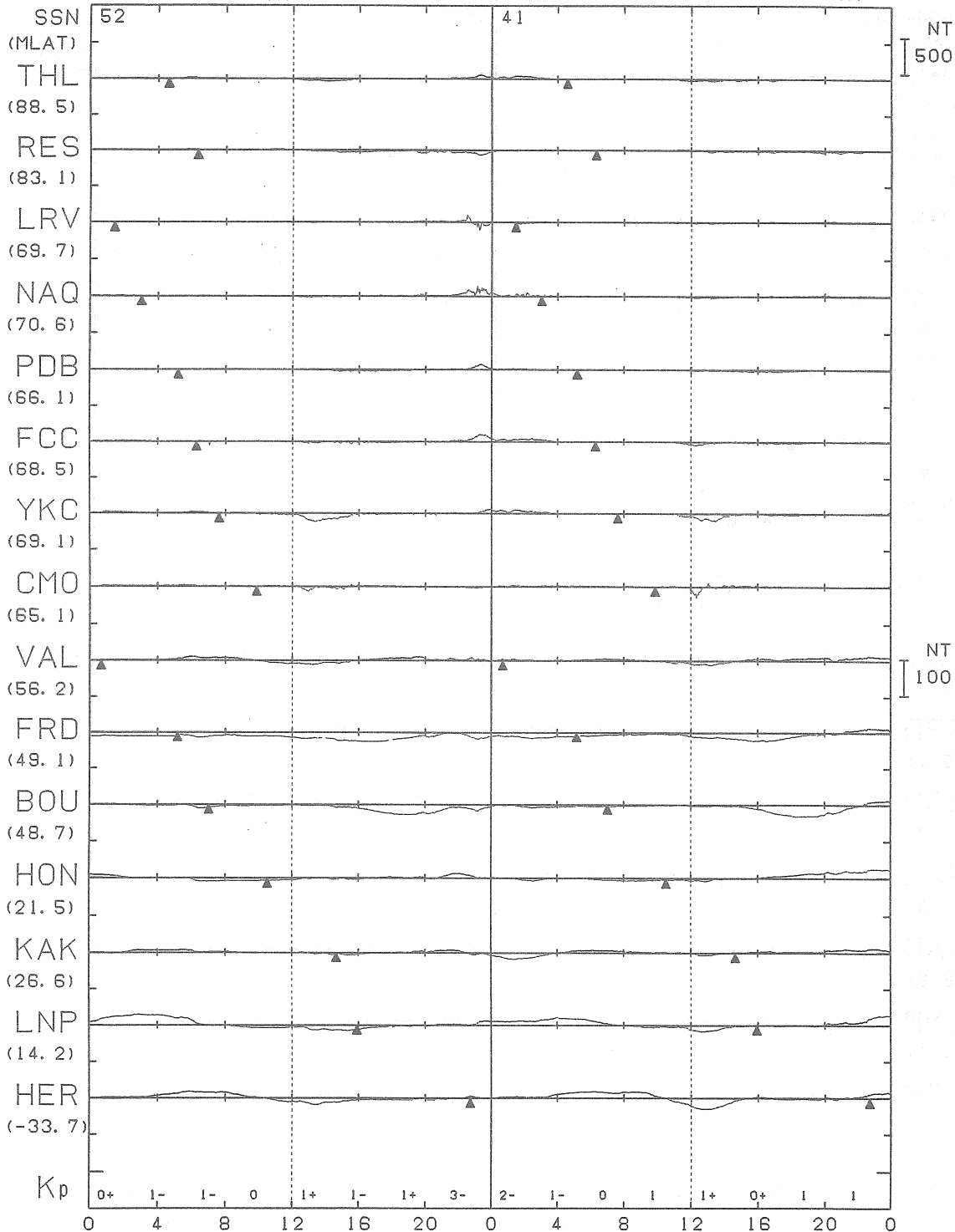
NOV 30  
(DAY 334)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

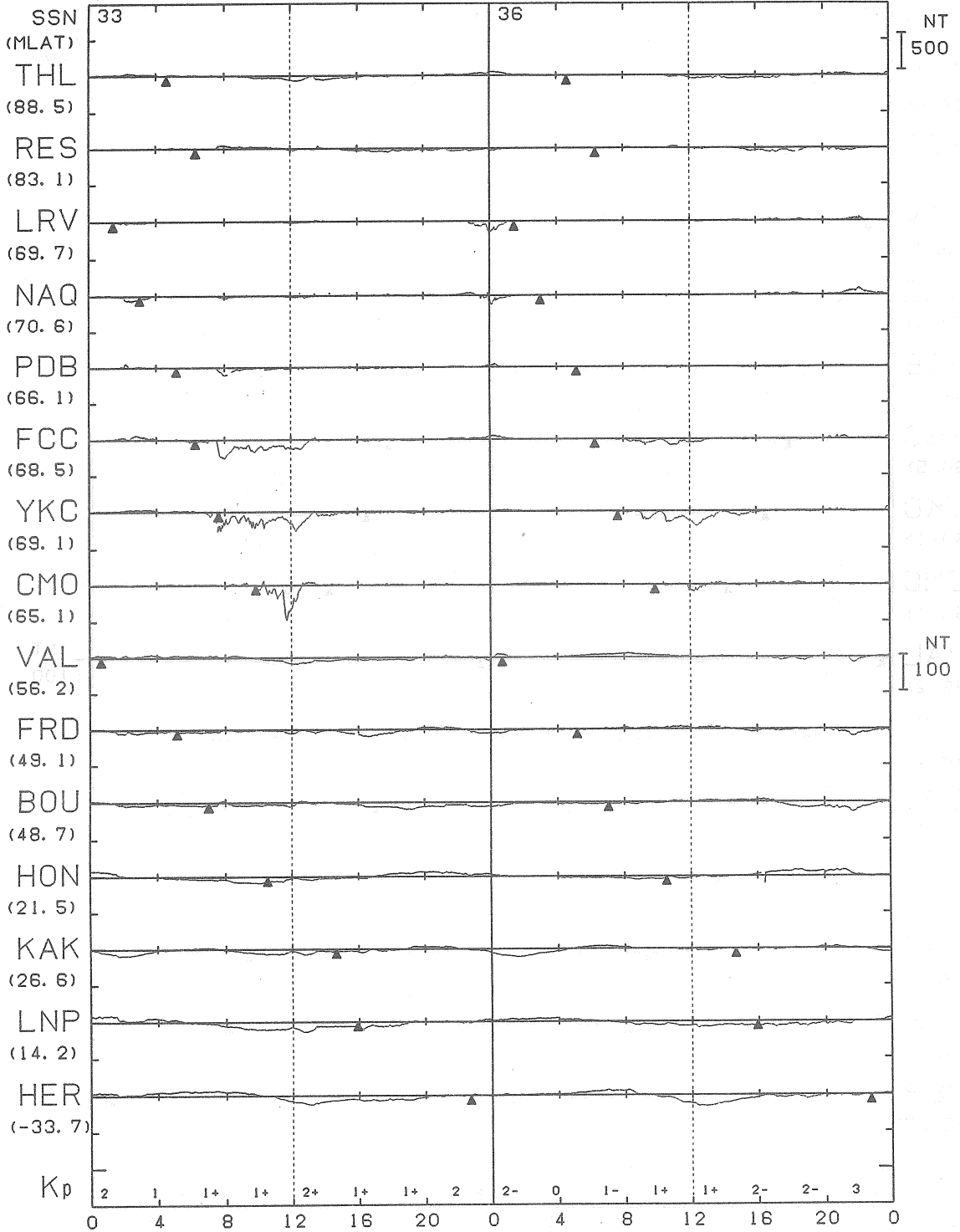
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

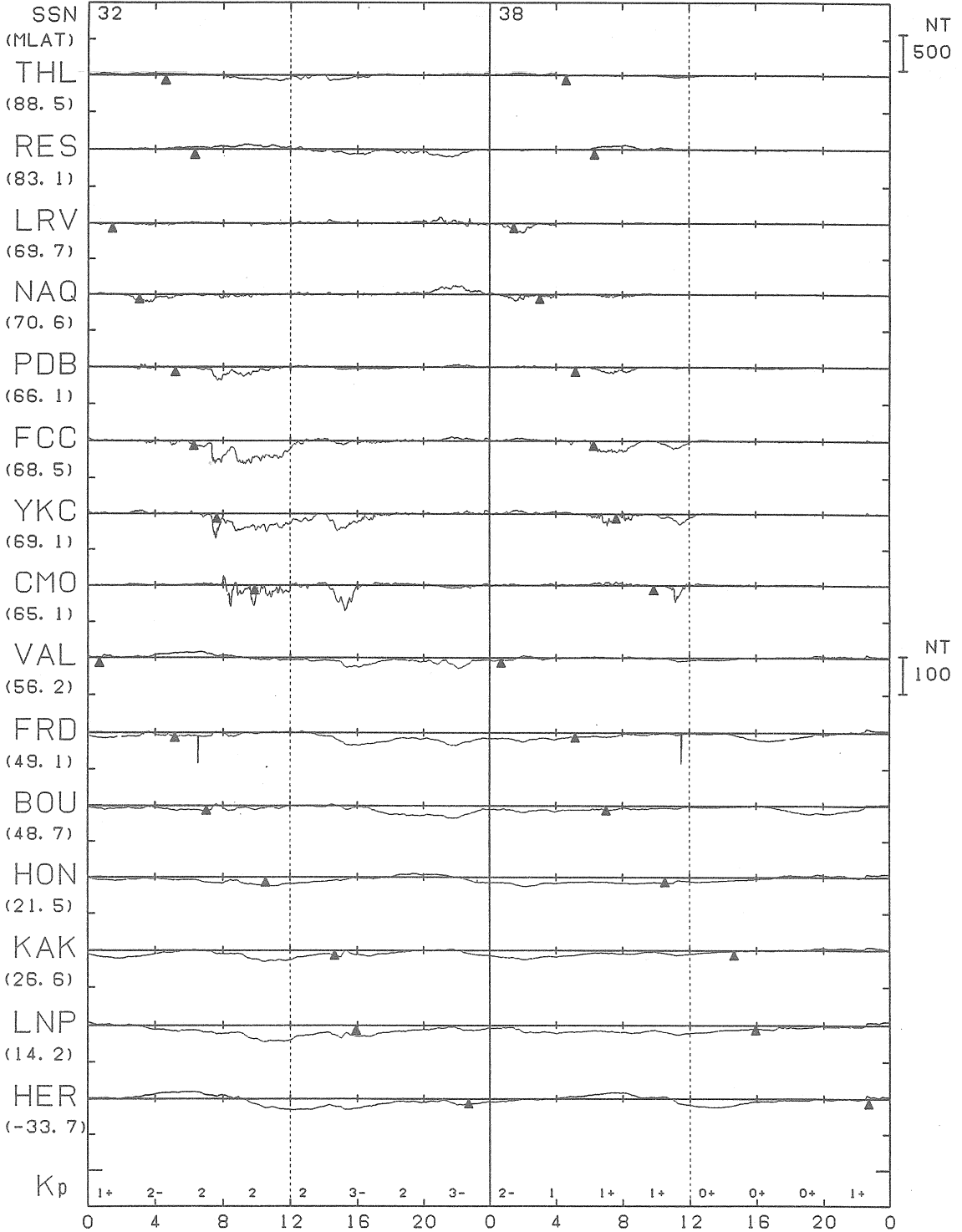


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H<sub>0R</sub> X-COMPONENT

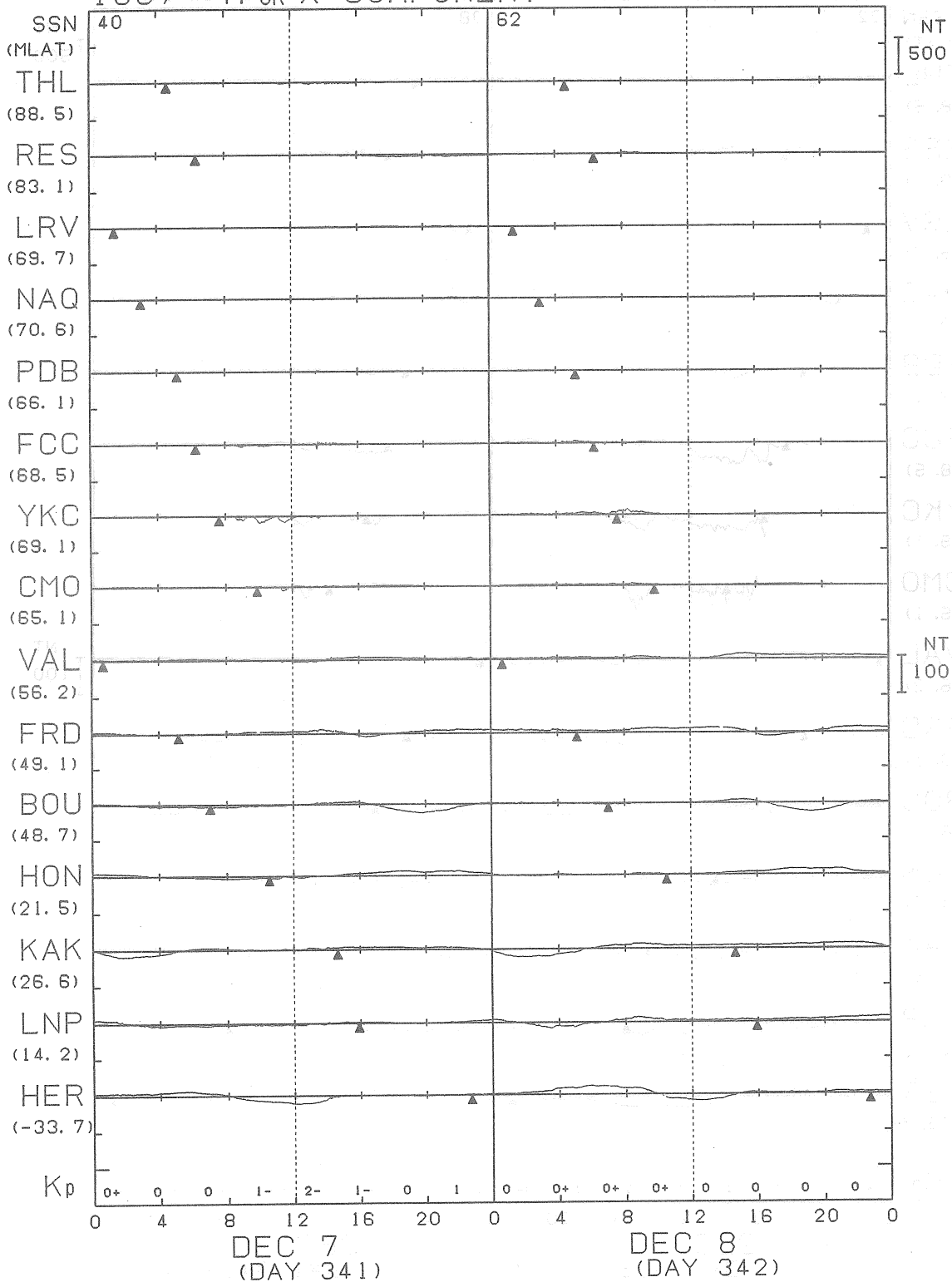
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT  $\Delta$  : LOCAL MIDNIGHT



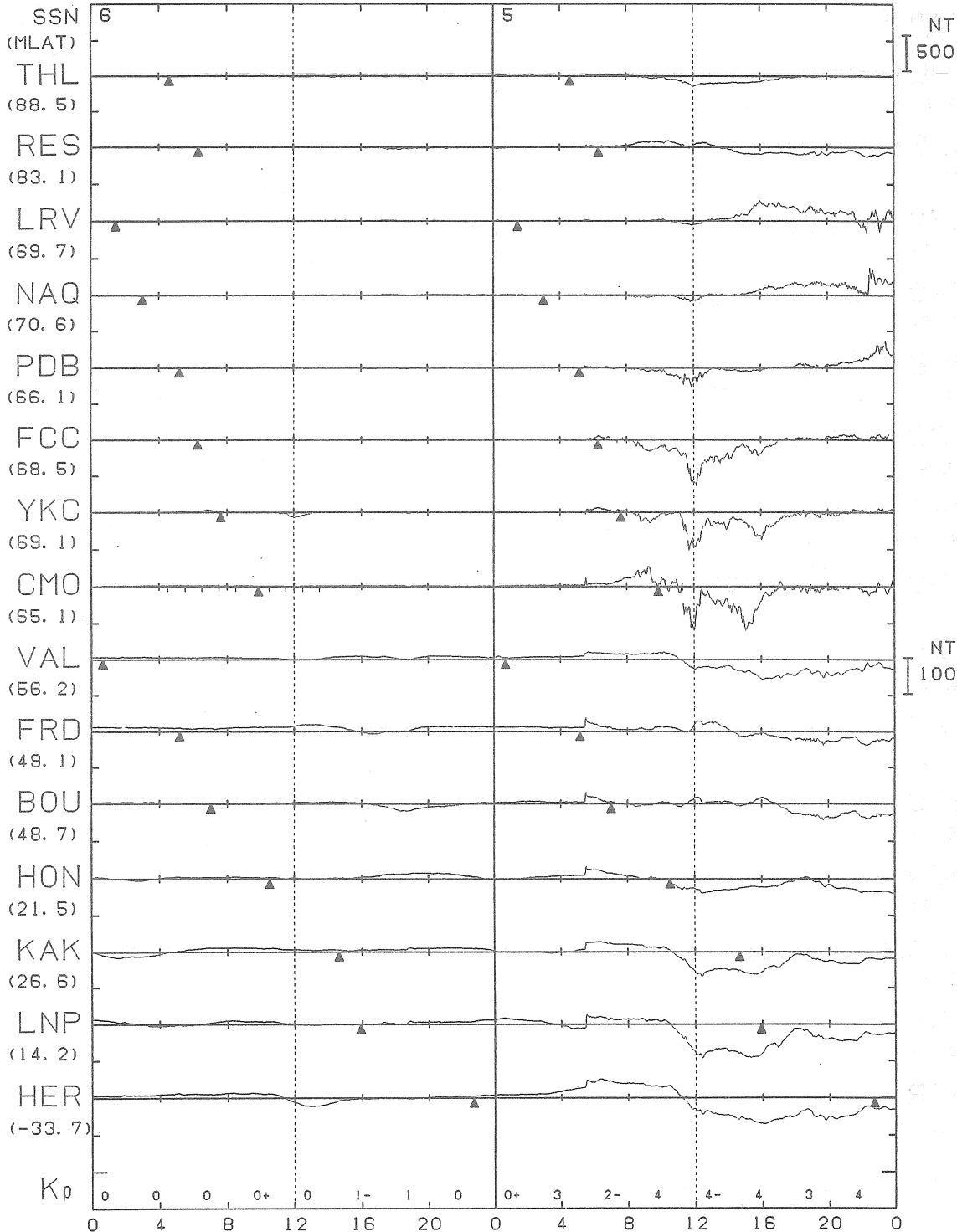
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

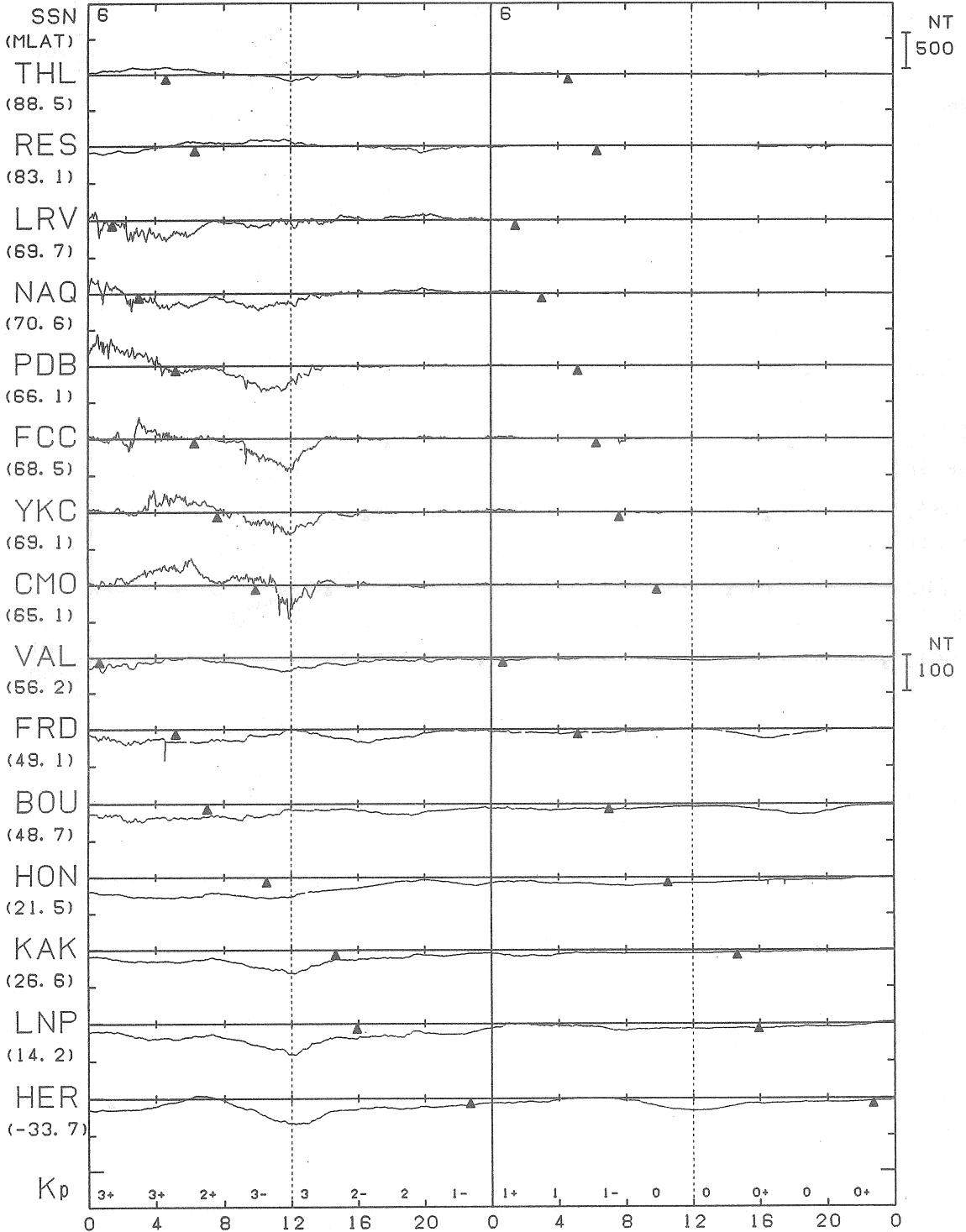


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

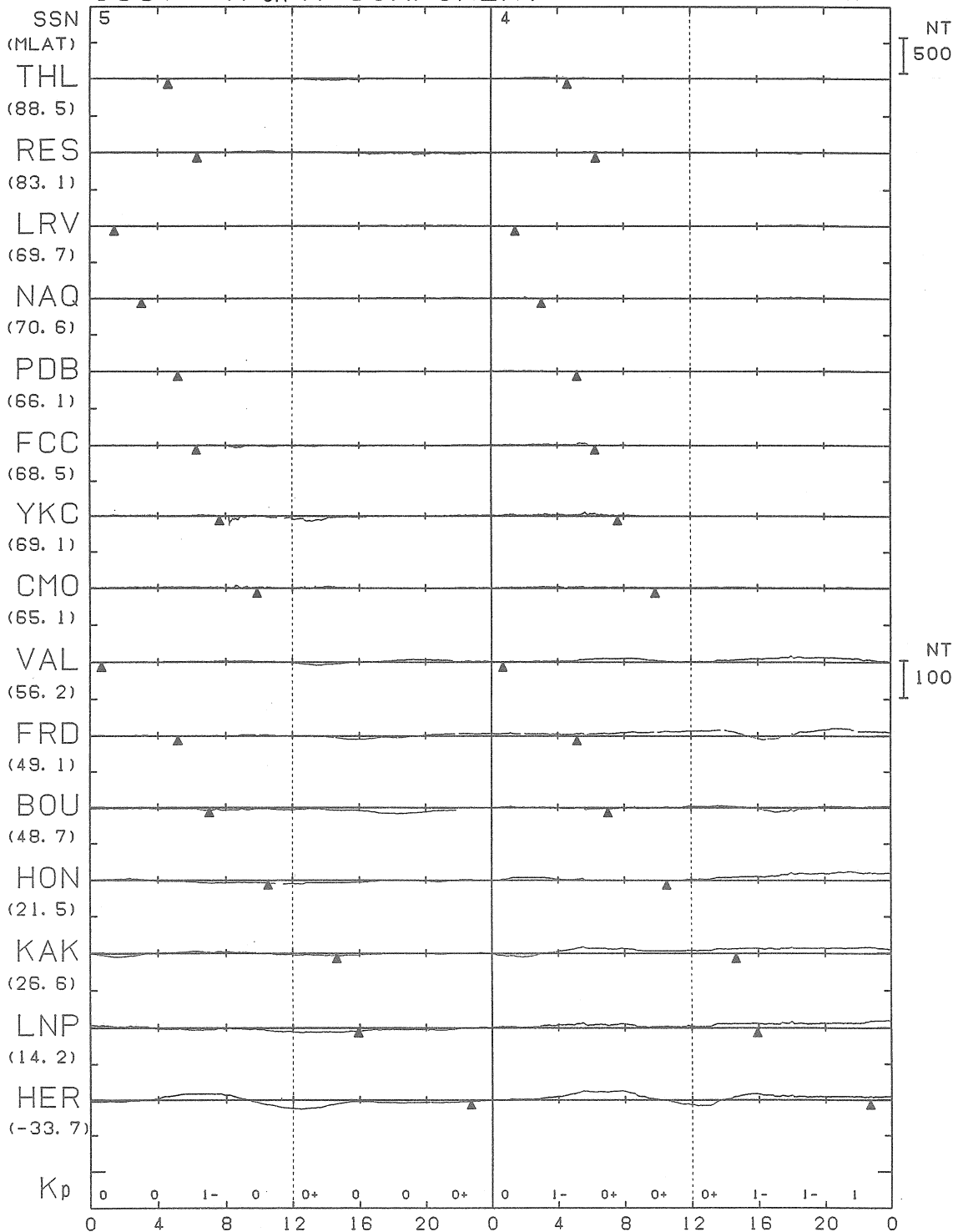
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



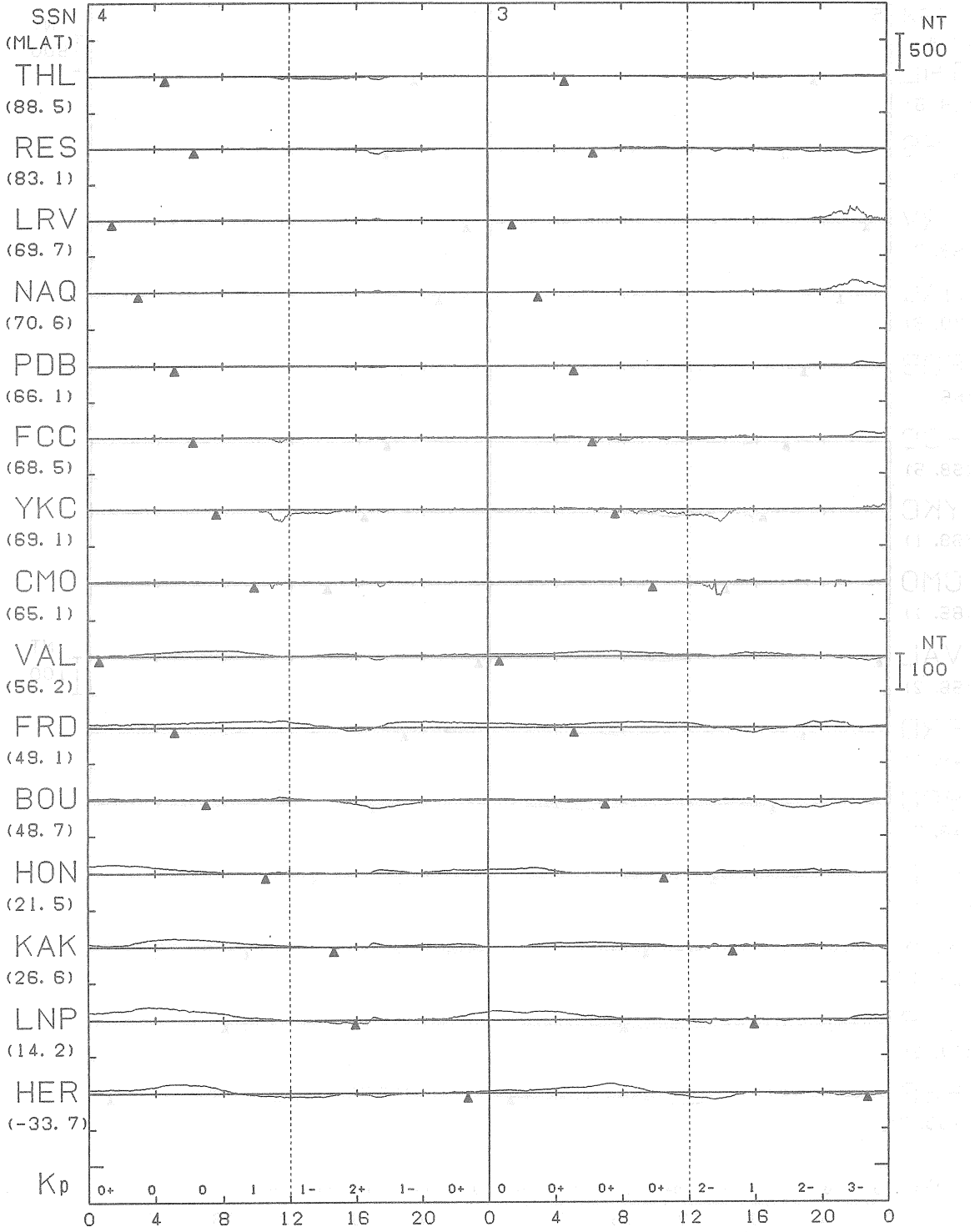
DEC 13  
(DAY 347)

DEC 14  
(DAY 348)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

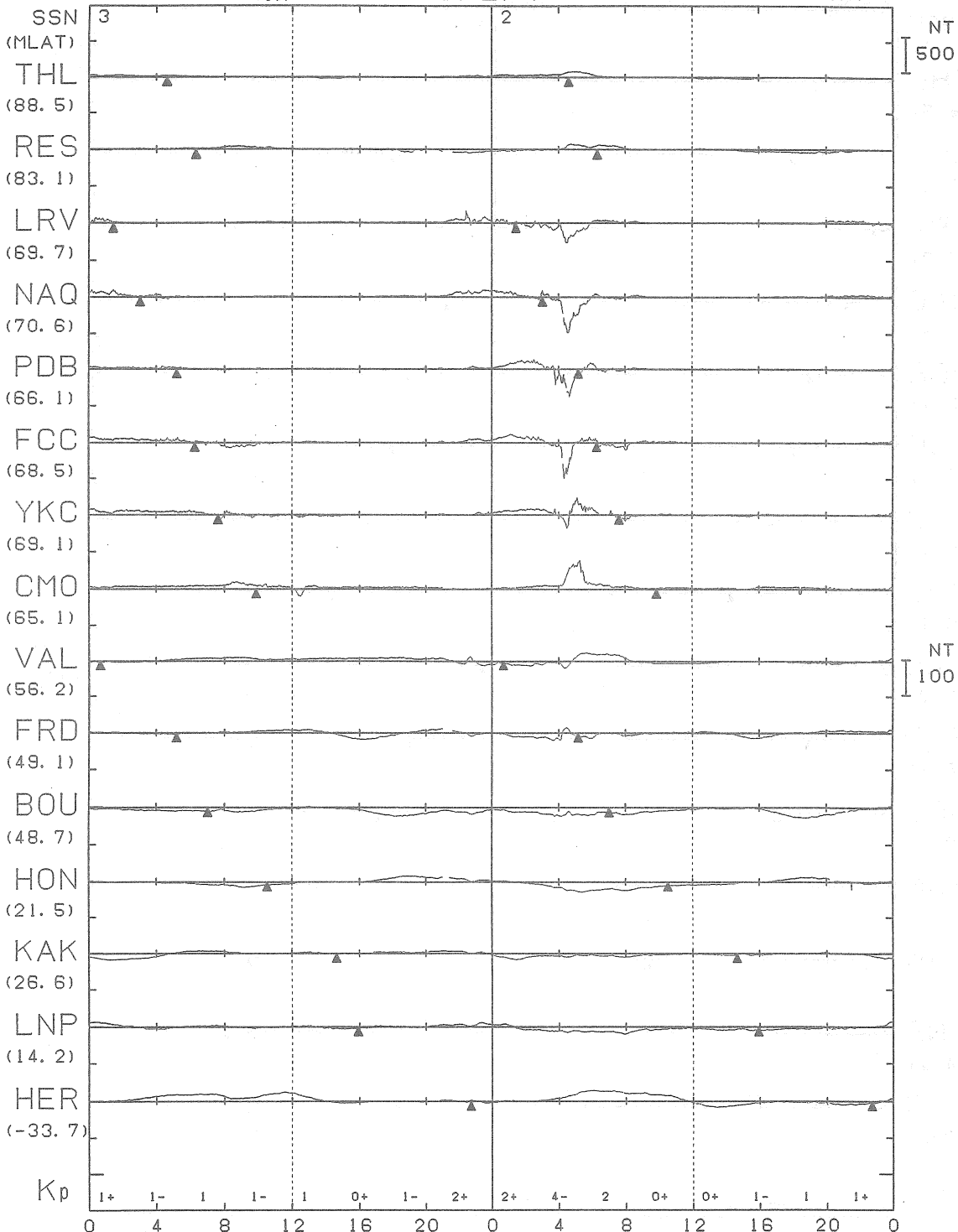
KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH  
 KYOTO UNIV.

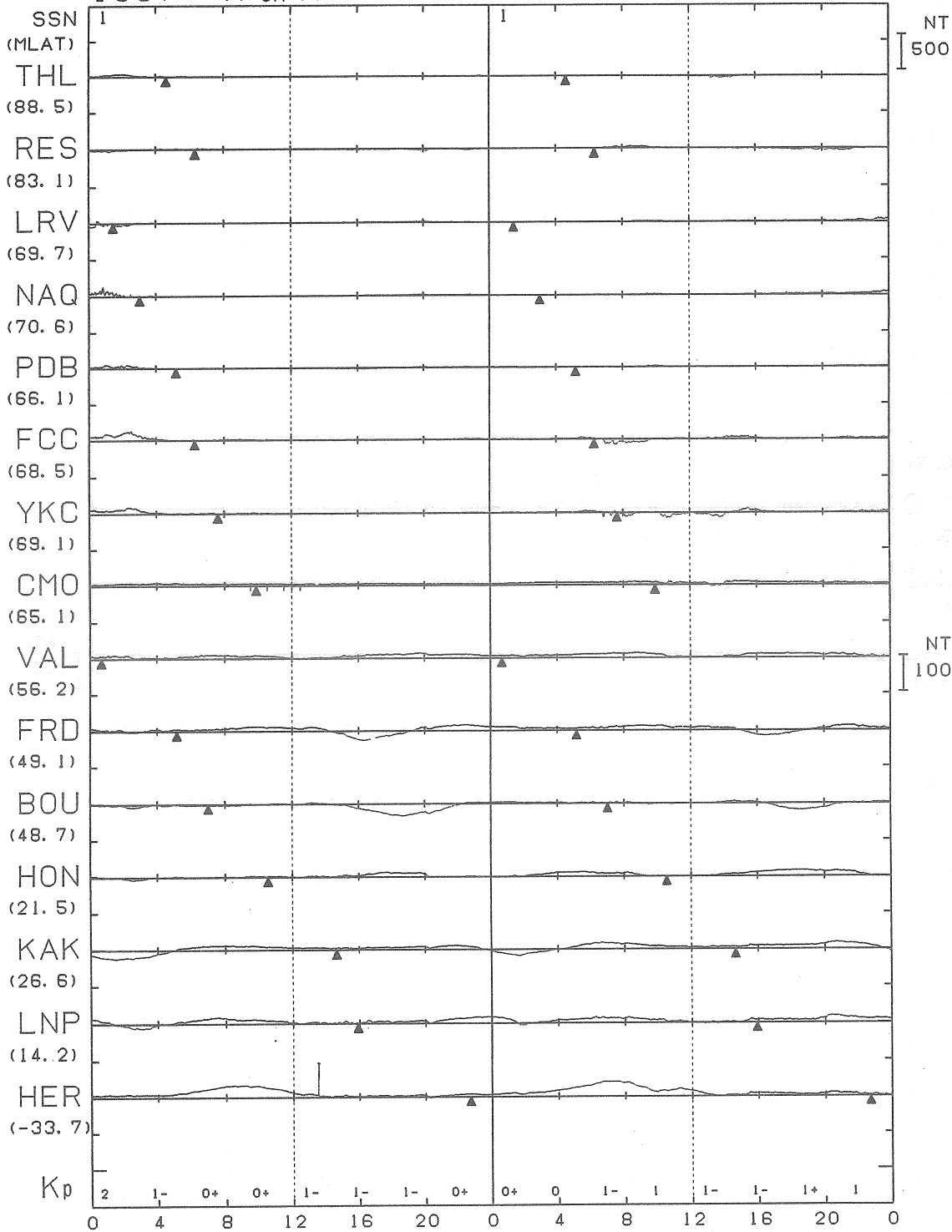
1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

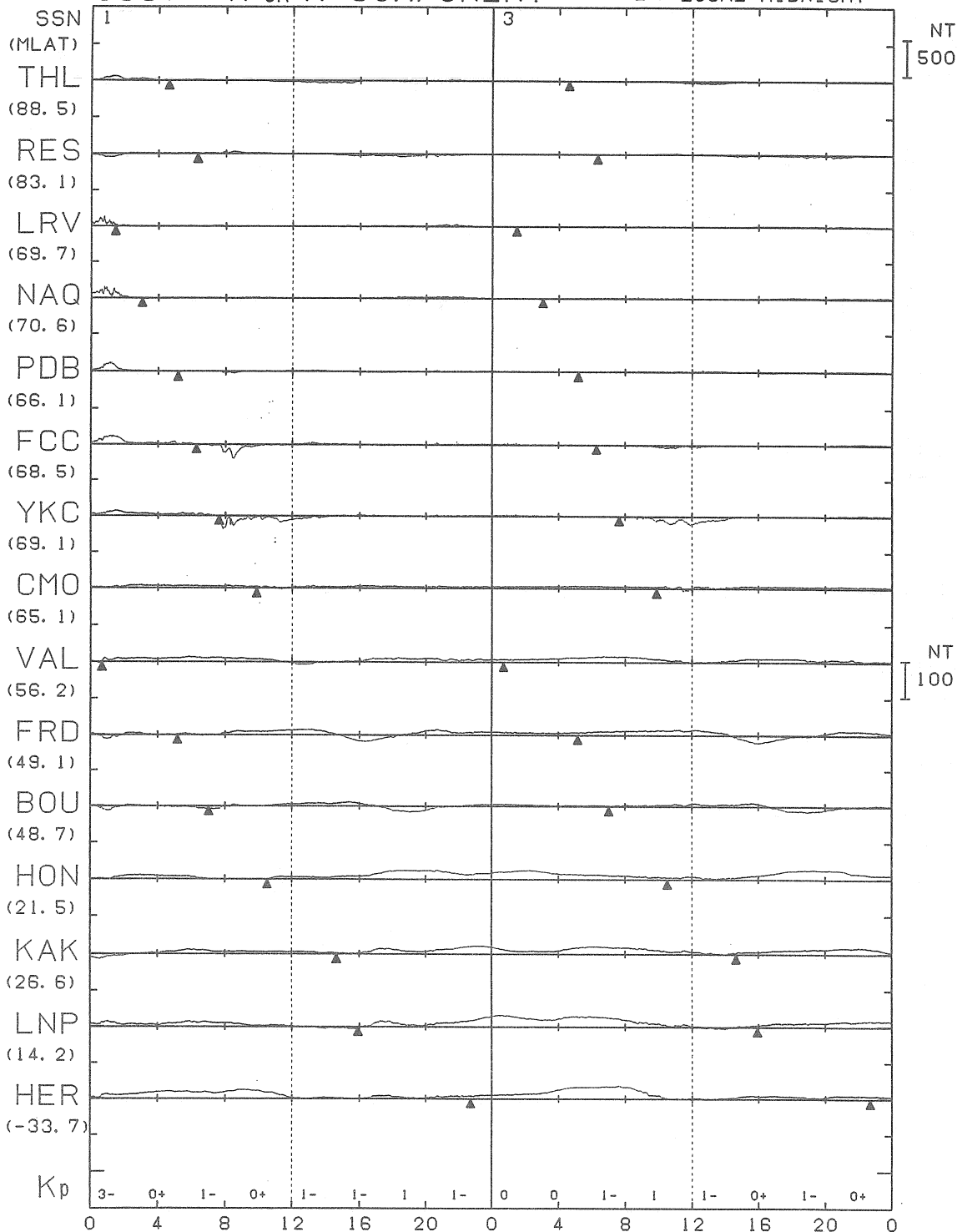


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



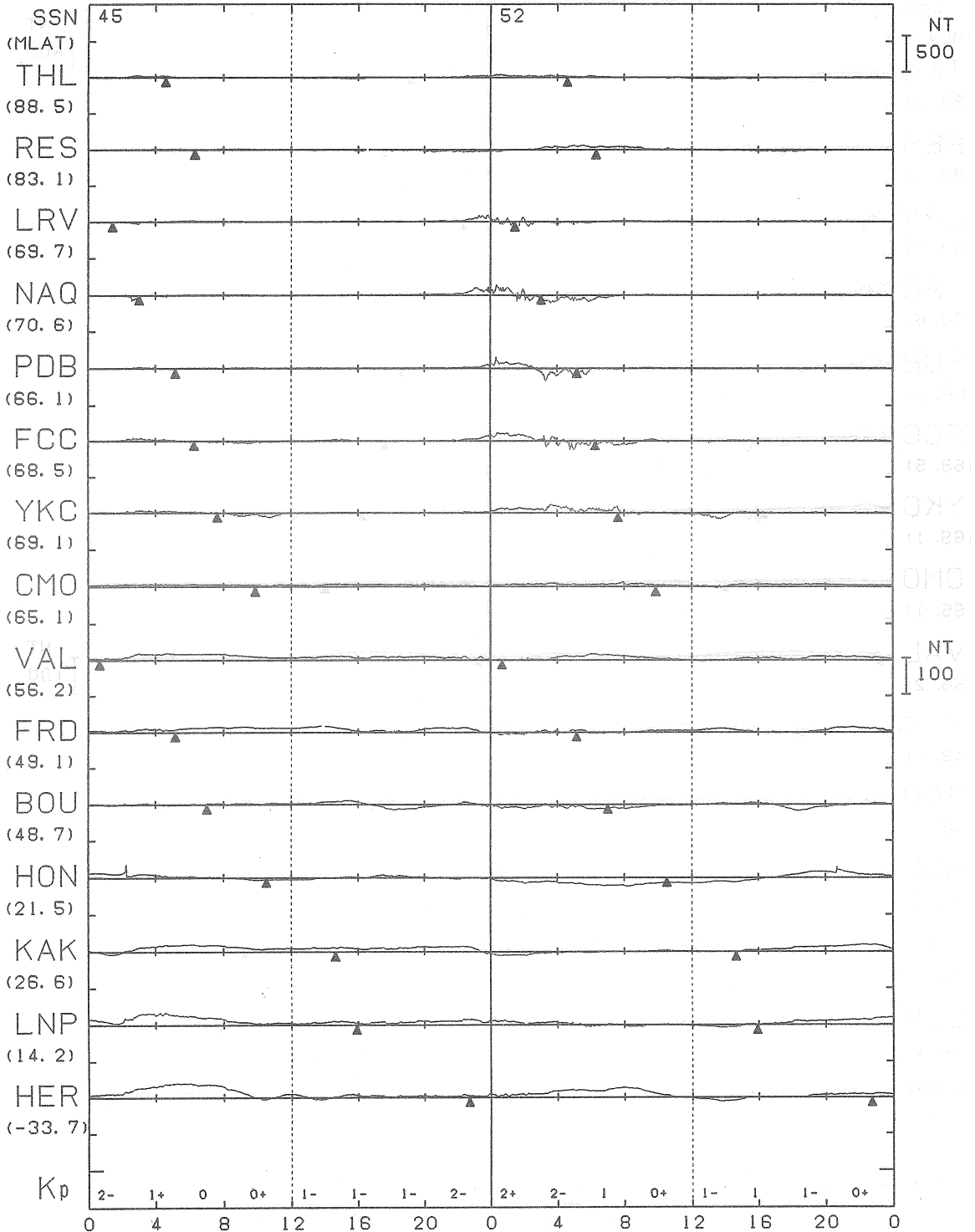
DEC 21  
(DAY 355)

DEC 22  
(DAY 356)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
\* PROMPT DATA ARE INCLUDED  
\* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



DEC 23  
(DAY 357)

DEC 24  
(DAY 358)

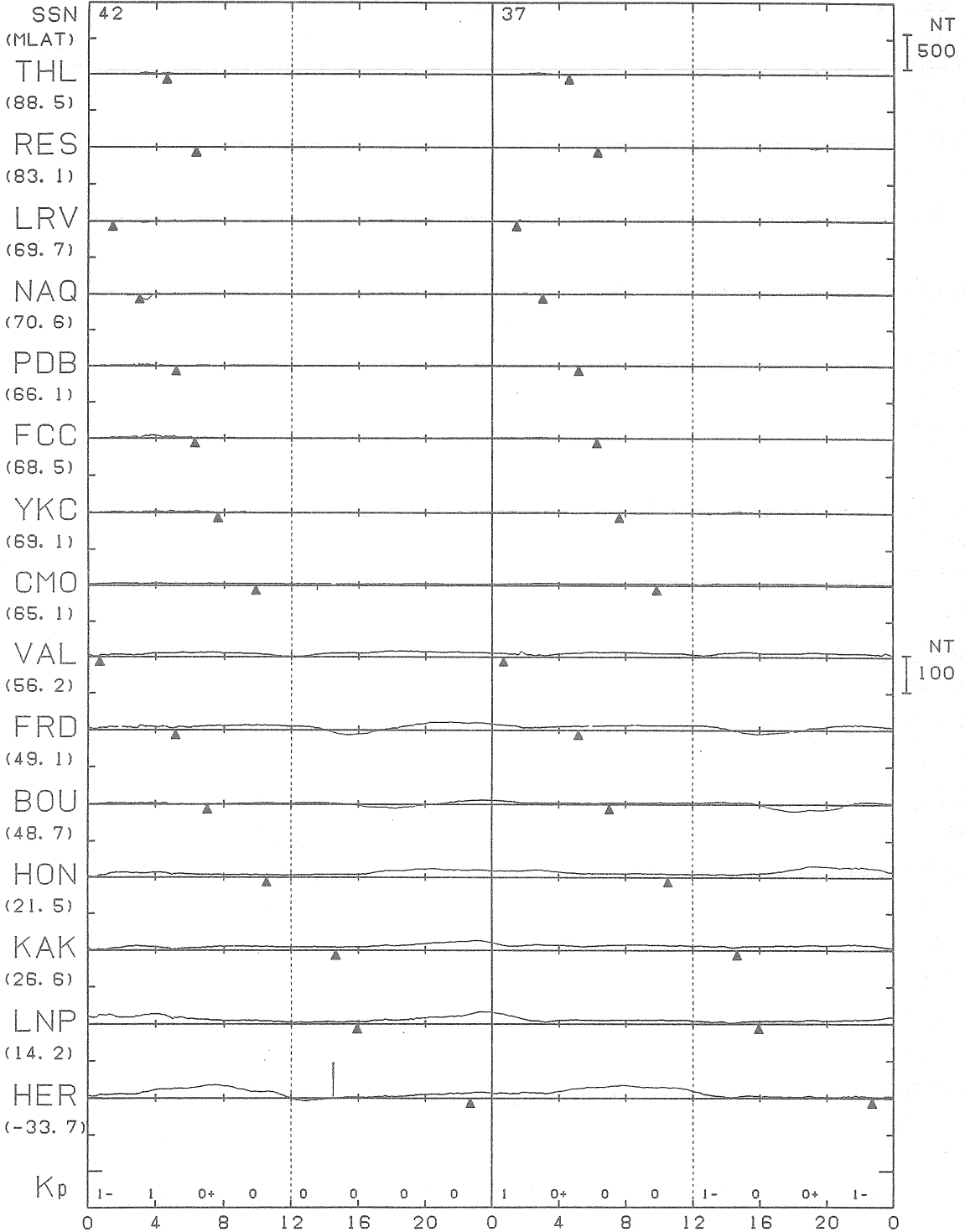
\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.



1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

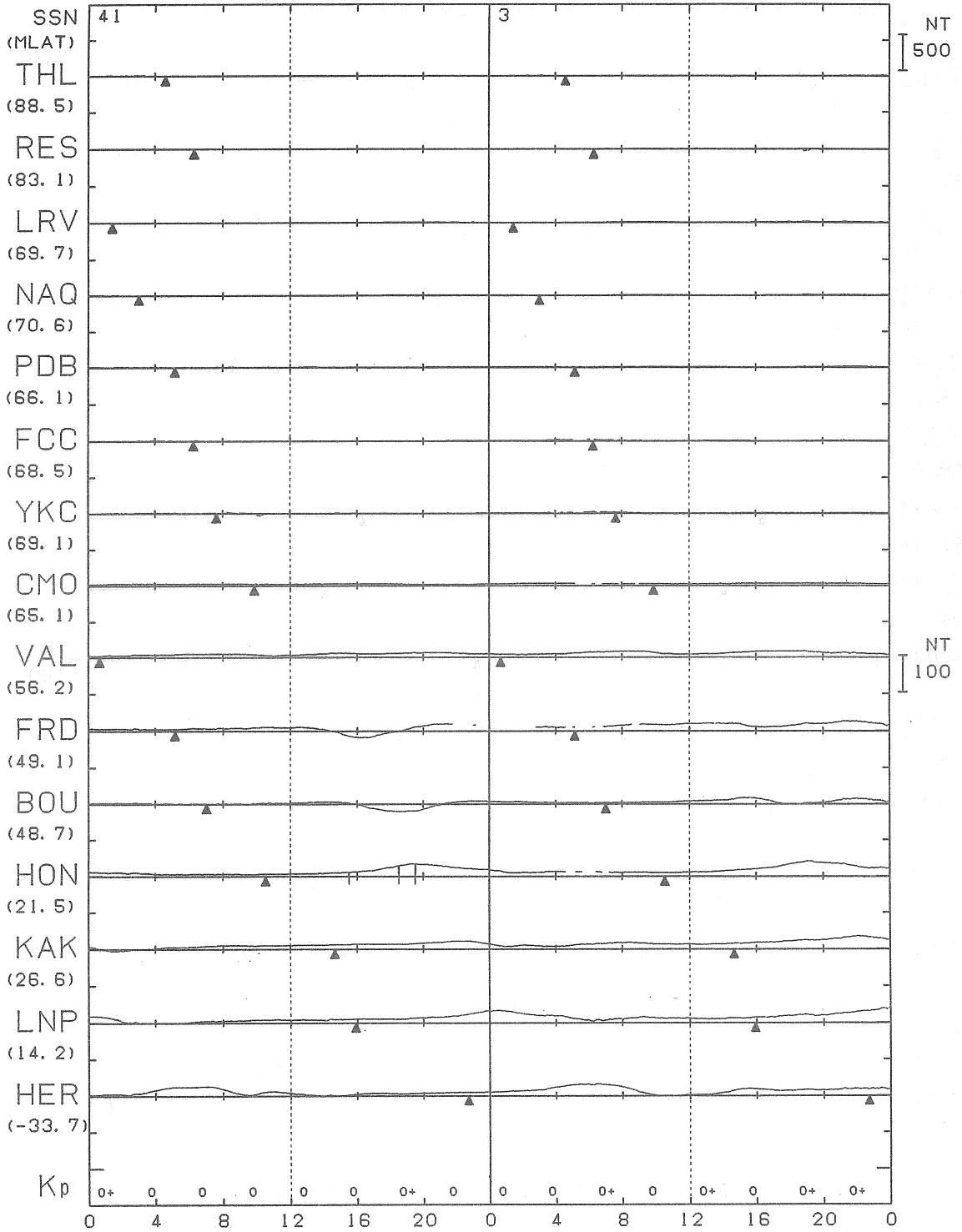


\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

# 1997 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



DEC 27  
(DAY 361)

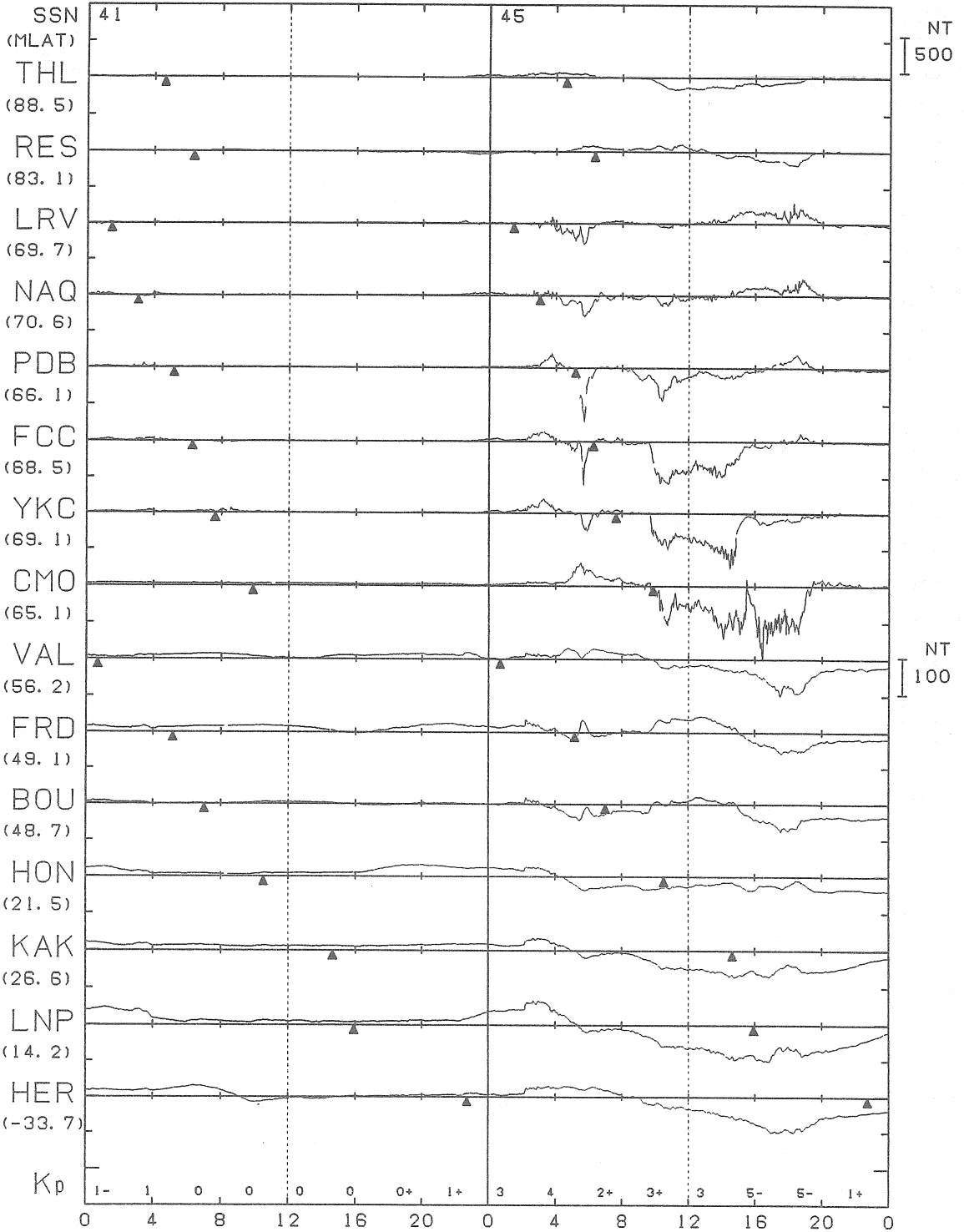
DEC 28  
(DAY 362)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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1997 H OR X-COMPONENT

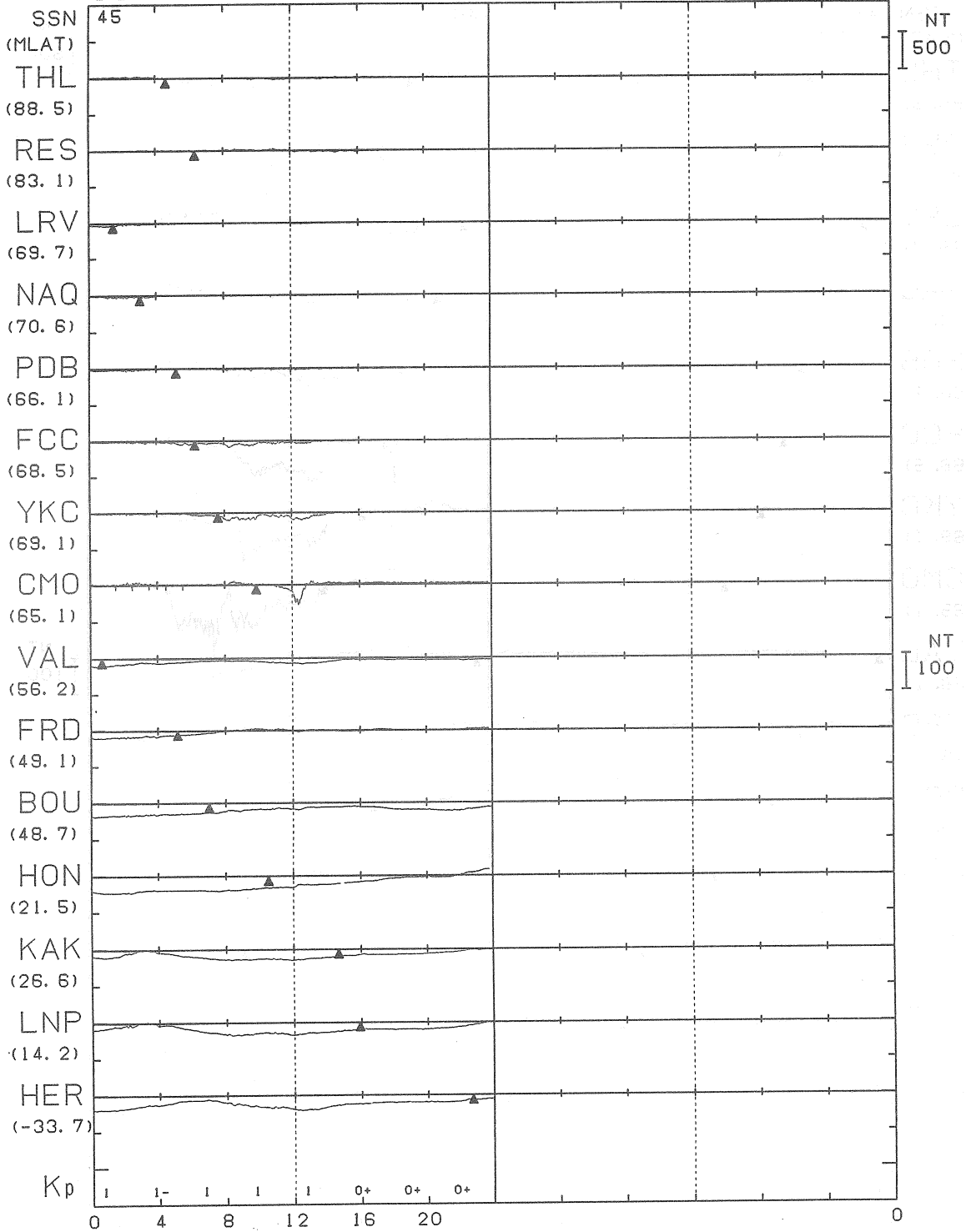
▲ : LOCAL MIDNIGHT



\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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1997 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



DEC 31  
 (DAY 365)

\* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED  
 \*\* PROMPT DATA ARE INCLUDED  
 \* ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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