

**PROVISIONAL GEOMAGNETIC
DATA PLOTS
No. 14**

(January – June, 1996)

AUGUST 1996

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

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PREFACE

This booklet contains provisional plots of the geomagnetic data for January – June, 1996 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 control (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) The World Data Center-A for STP and The U.S. Geological Survey (provisional data).
- (2) The Leirvogur Magnetic Observatory, University of Iceland.
- (3) The Valentia Observatory of Meteorological Service.
- (4) The Kakioka Magnetic Observatory.
- (5) The Telecommunication Training Institute.
- (6) The Hermanus Magnetic Observatory.
- (7) The Swedish Institute of Space Physics in Kiruna.
- (8) The Chambon-la-Foret Magnetic Observatory.

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

Table 1.

STATION NAME	ABB ORG		GEOGRAPHIC		GEOMAGNETIC		INVARIANT	PLOT
	CODE	No.	LAT.	LONG.	LAT.	LONG.	LAT.	SCALE
*Resolute Bay	RES	1	74.7	265.1	83.1	296.0	83.9	500nT/div
*Baker Lake	BLC	1	64.3	264.0	73.7	319.2	74.6	"
*Narsarsuaq	NAS	1	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	"
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	"

*: From RGON database (Provisional data)

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

IP address: 130.54.59.253 (swdcdb)

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

Each file is compressed and has a name YYMMDD1-D2.ps.Z (for example, 960301-02.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,
Faculty of Science, Kyoto University,
Kyoto 606-01, Japan.

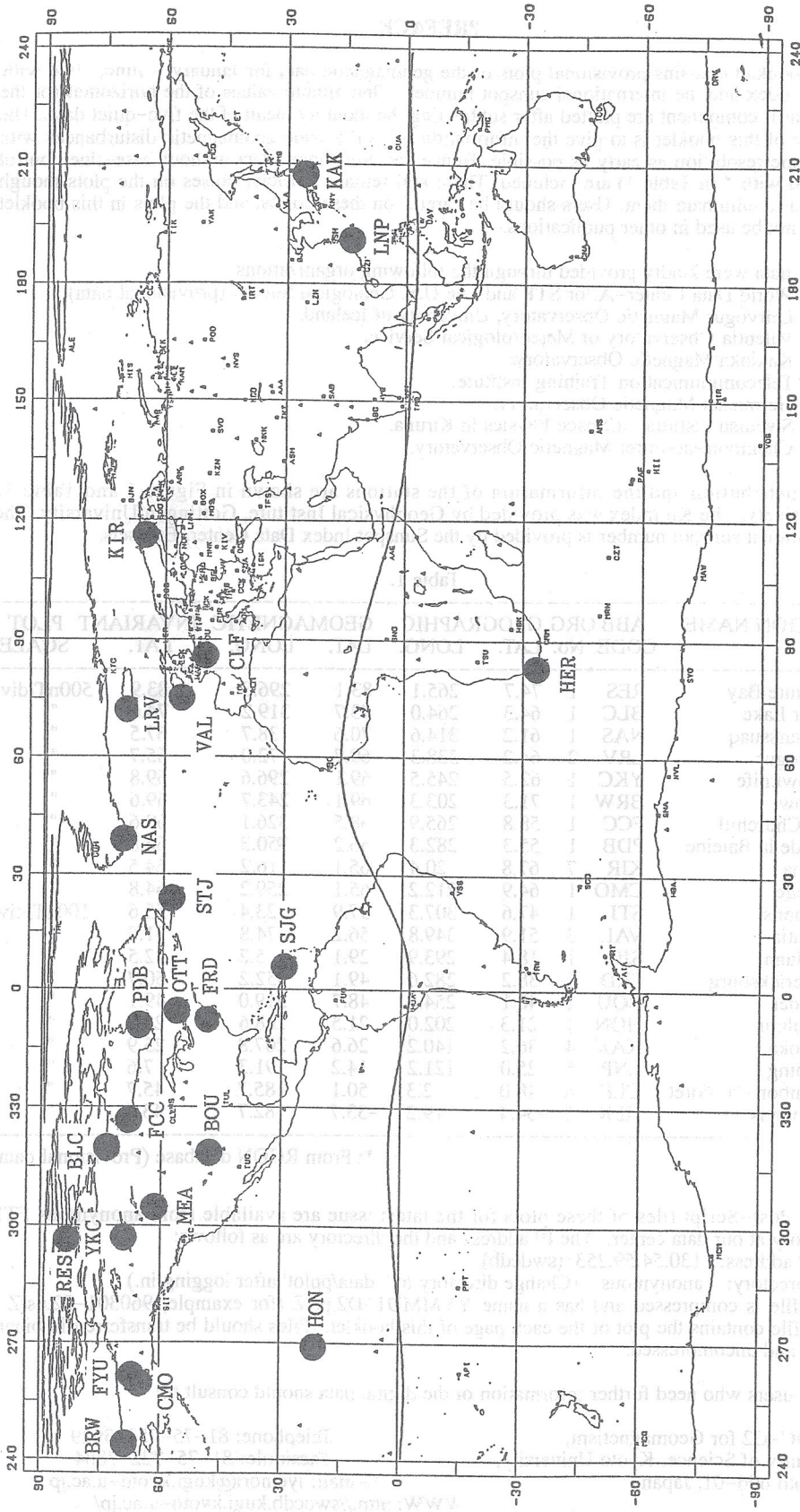
Telephone: 81-75-753-3929

Facsimile: 81-75-722-7884

E-mail: iyemori@kugi.kyoto-u.ac.jp

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

DISTRIBUTION OF GEOMAGNETIC OBSERVATORIES



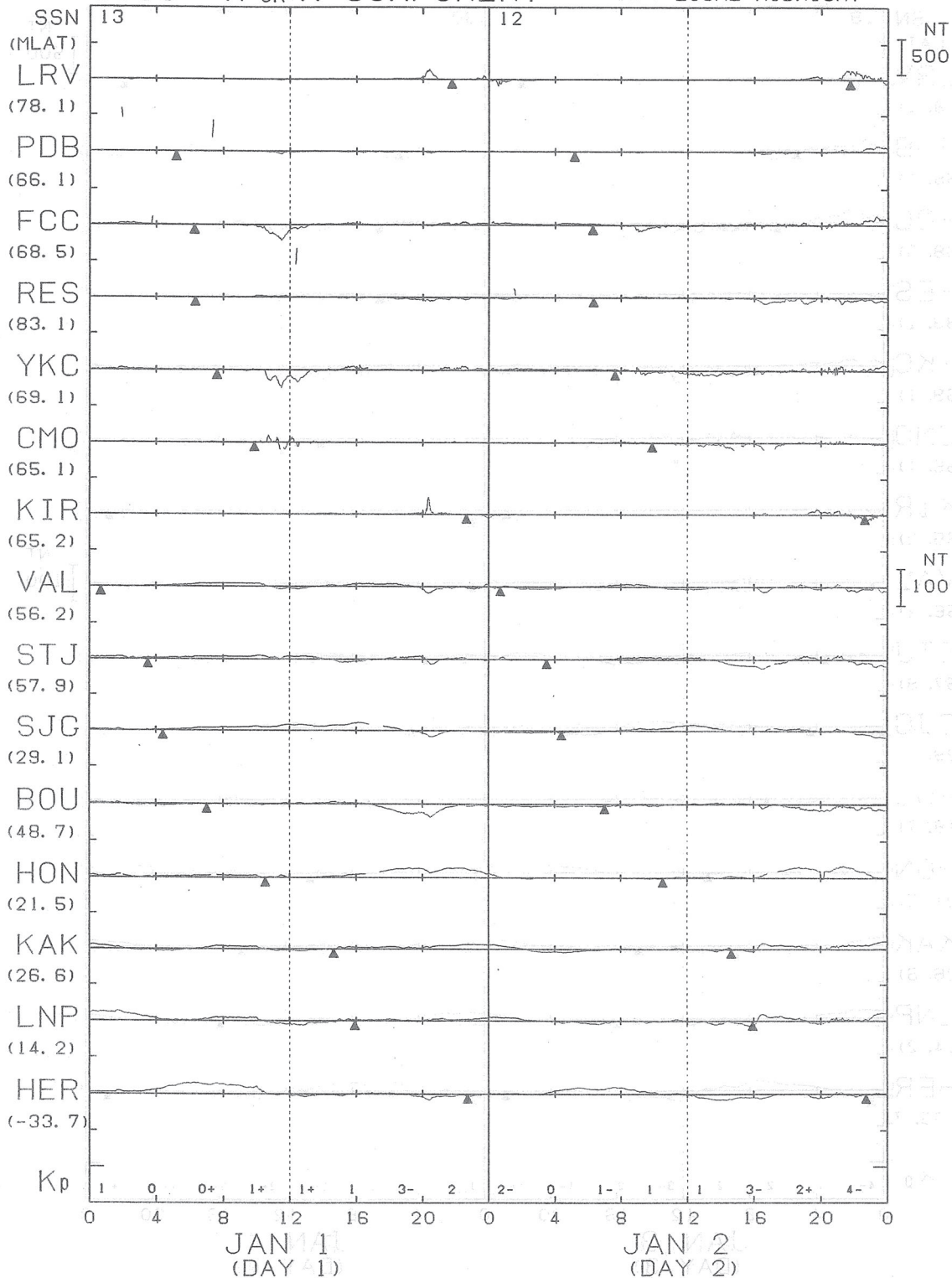
GEOMAGNETIC COORDINATE (1985.0)

— DIP EQUATOR AT 100 KM ALTITUDE

Fig.1 Data are obtained at the observatories shown by the solid circles.

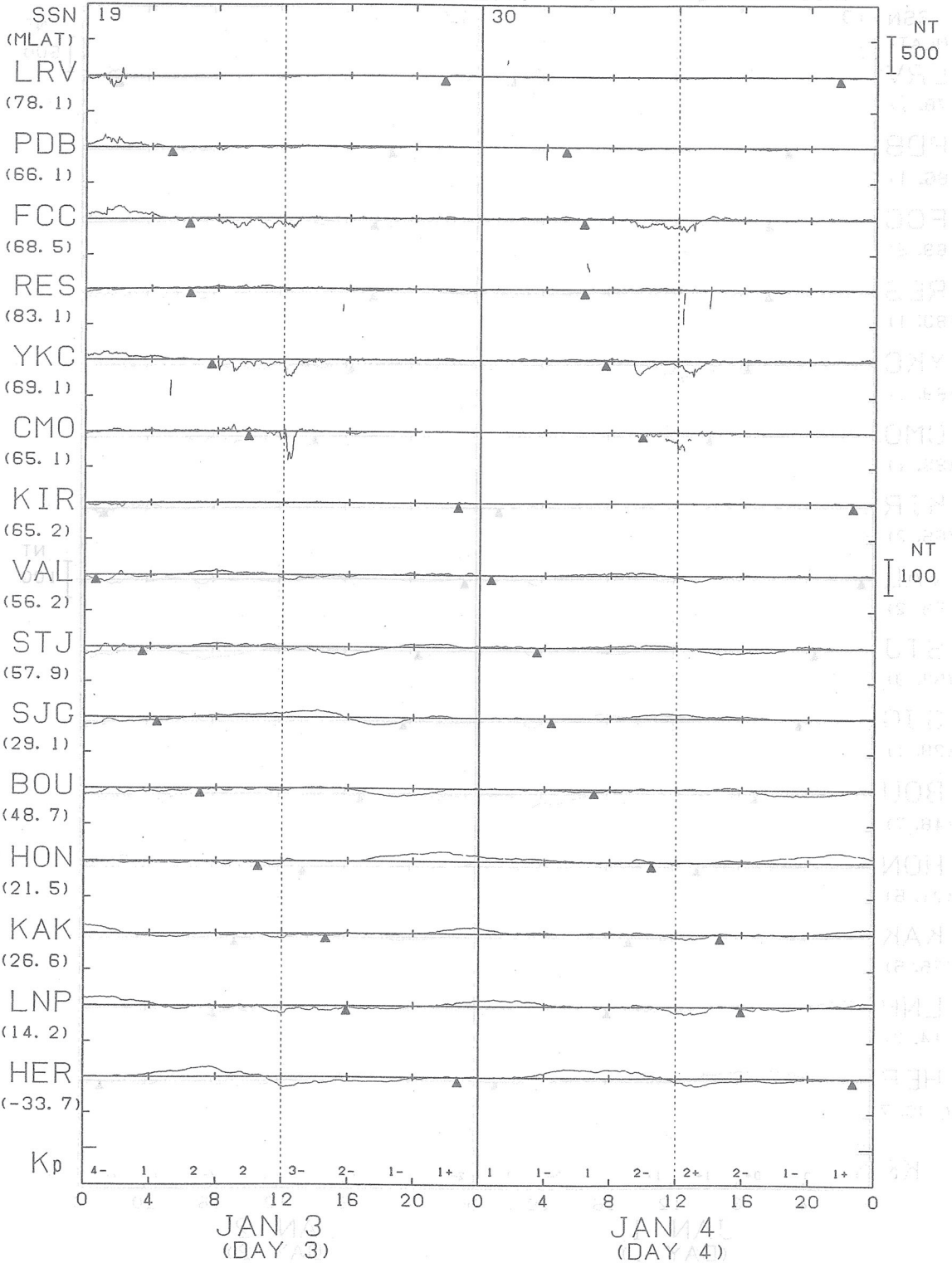
JANUARY – JUNE, 1996

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



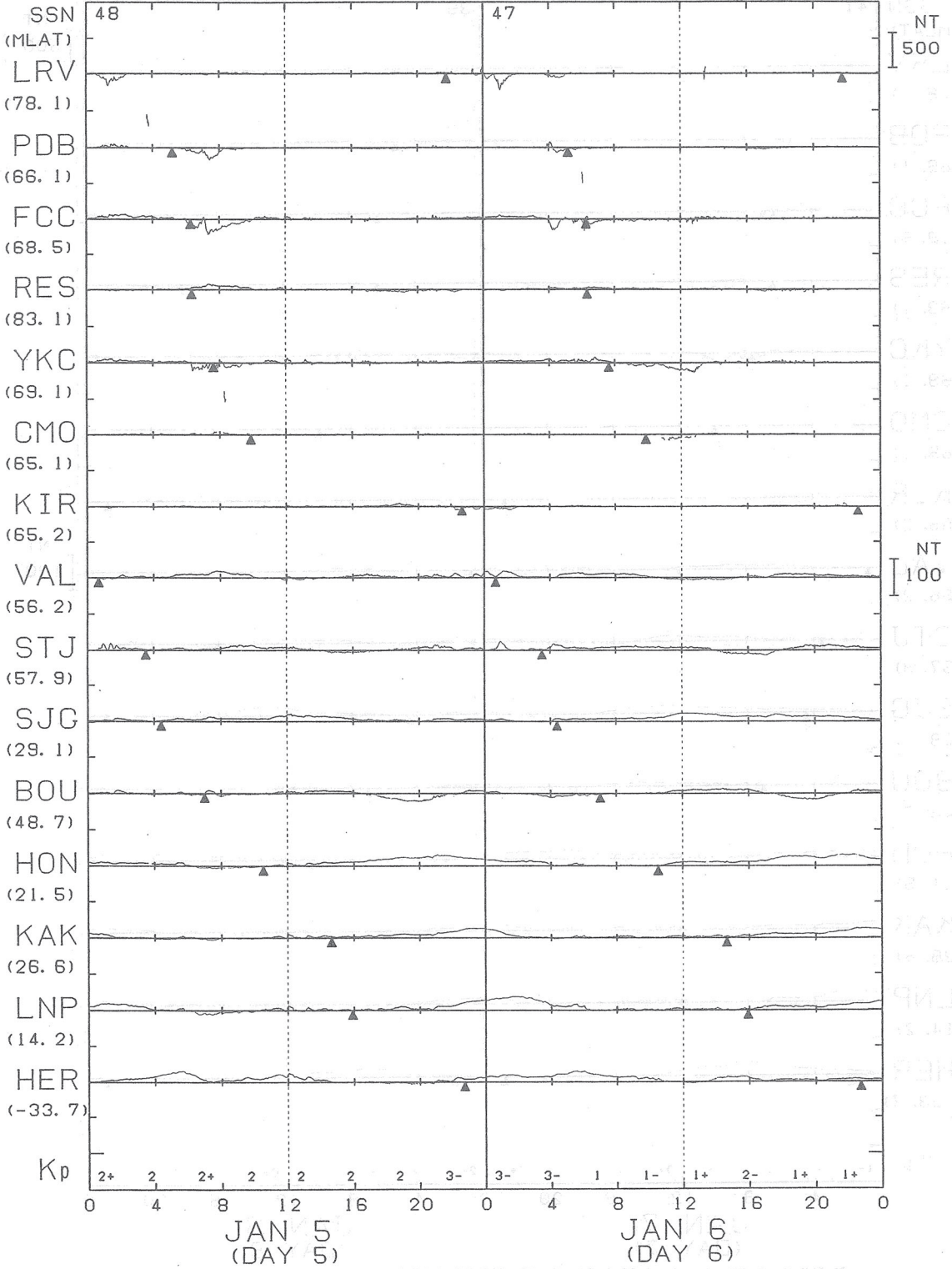
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 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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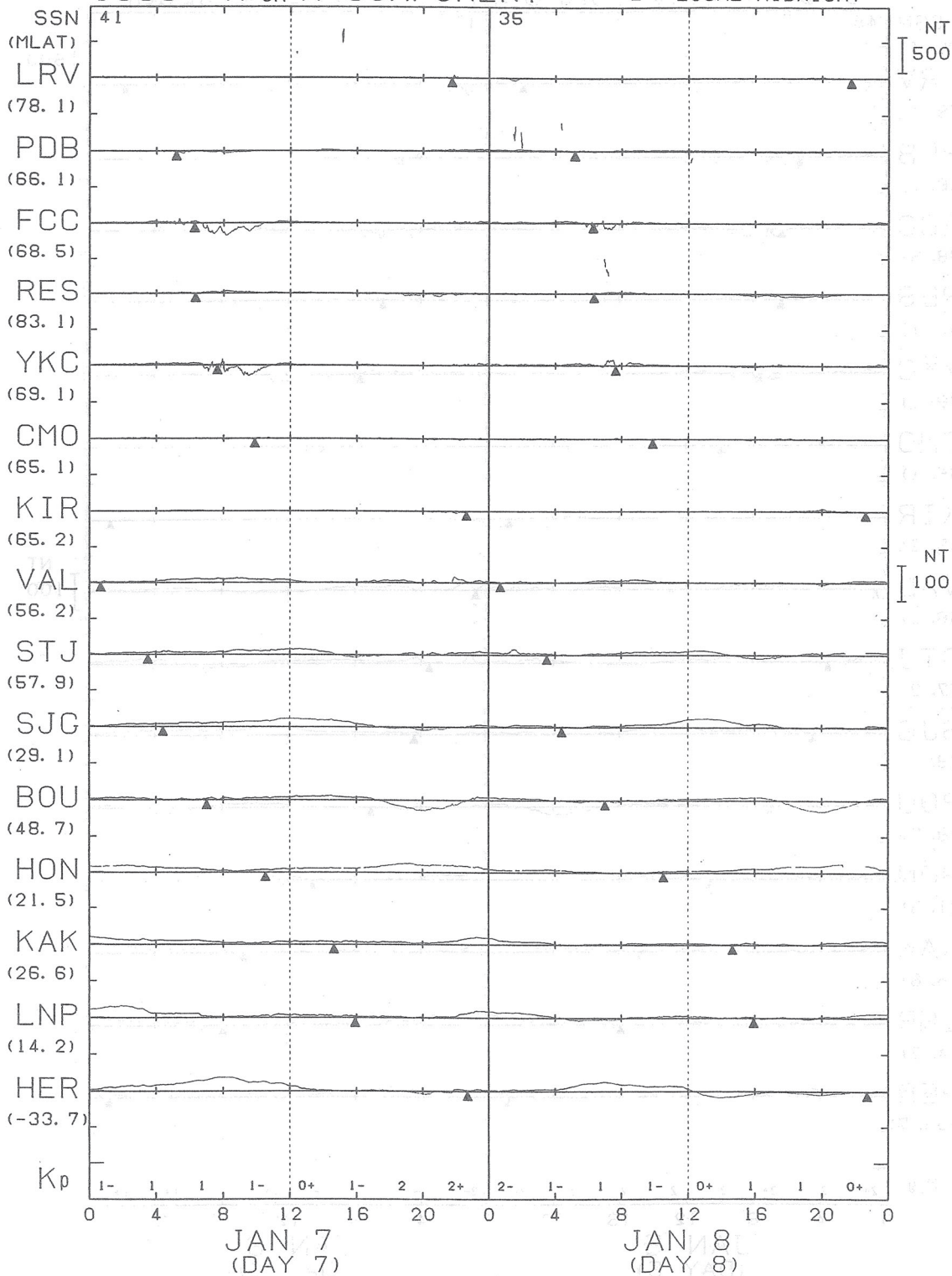
1996 H OR X-COMPONENT \blacktriangle : LOCAL MIDNIGHT



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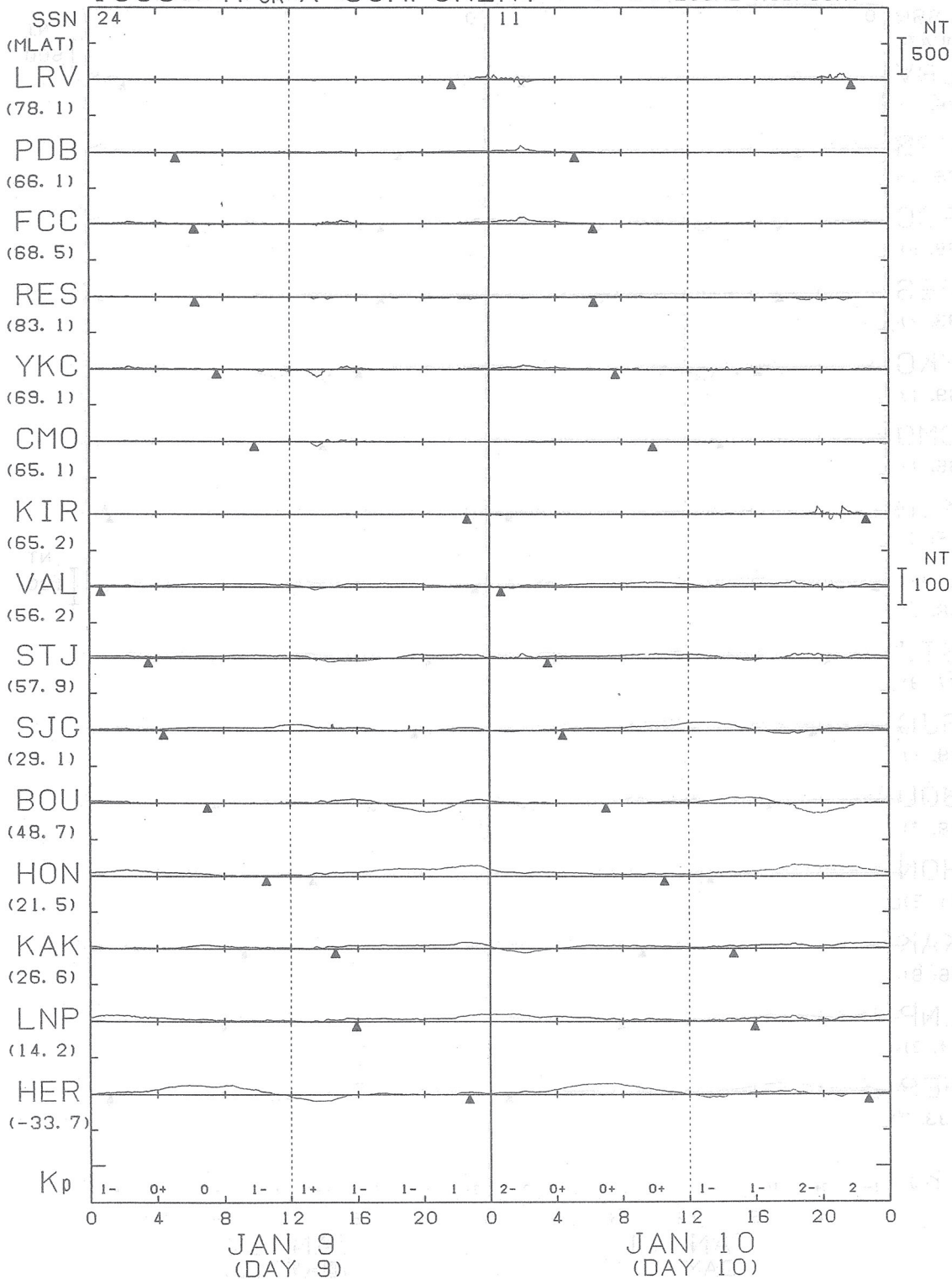
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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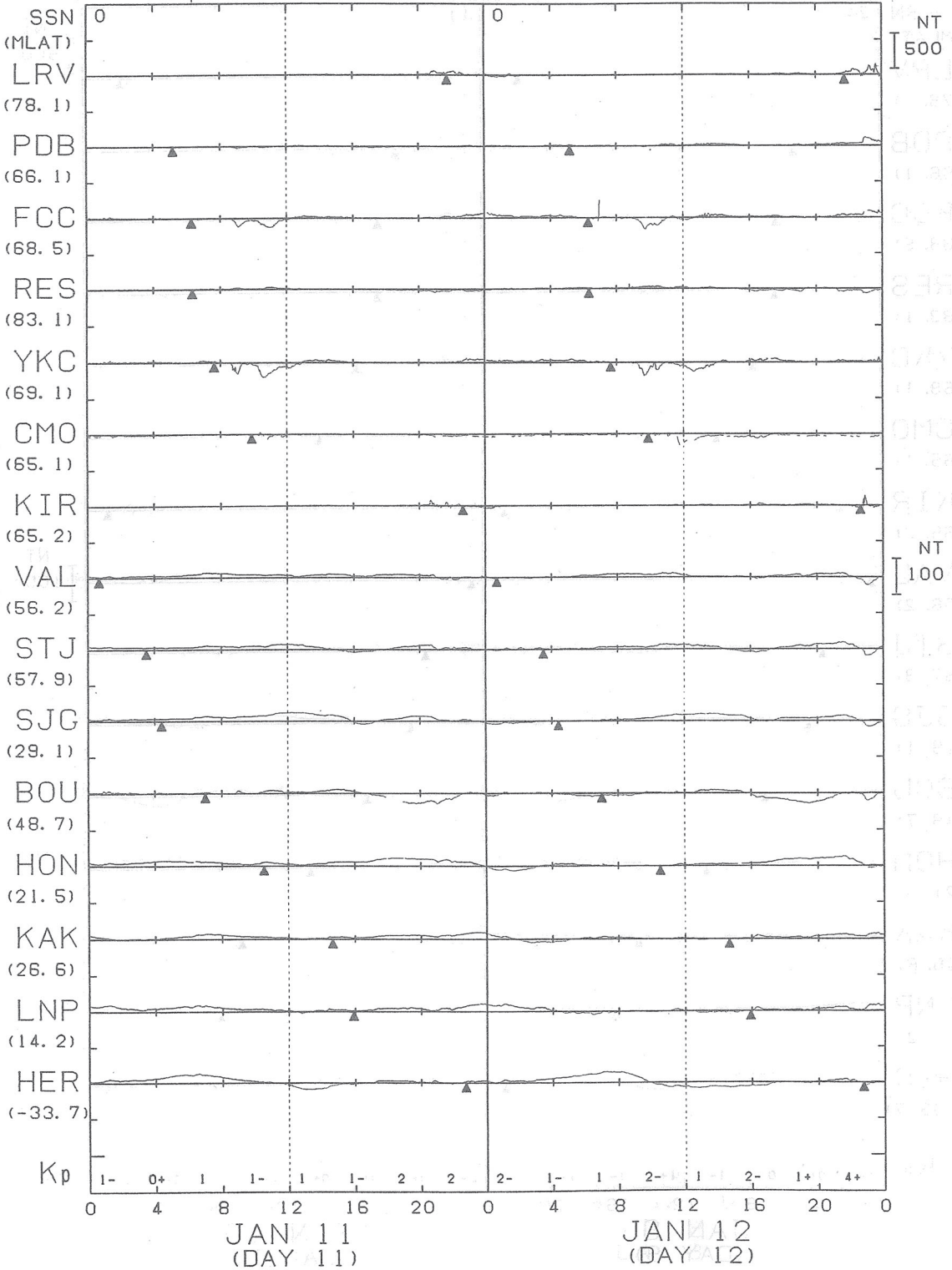
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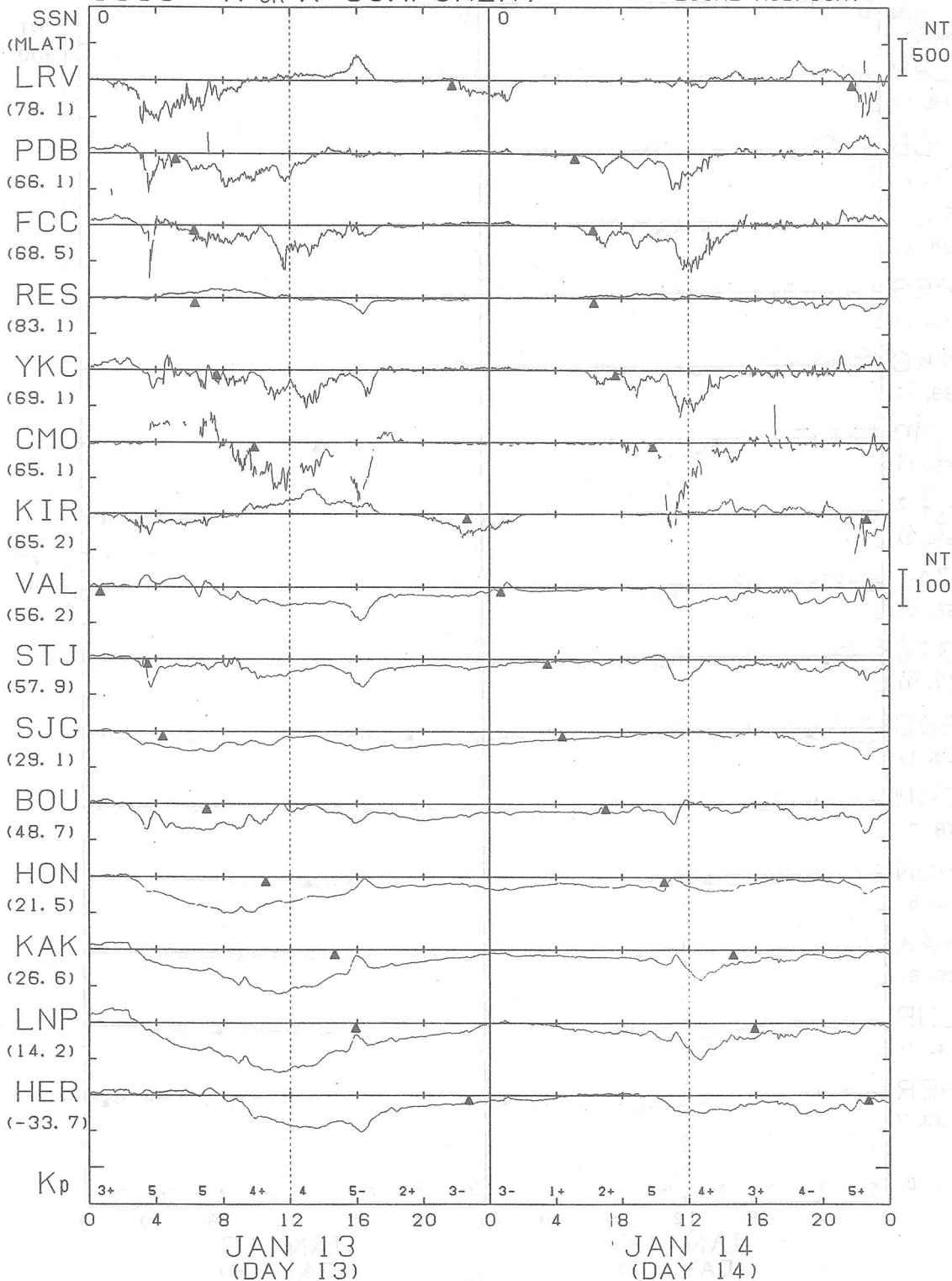
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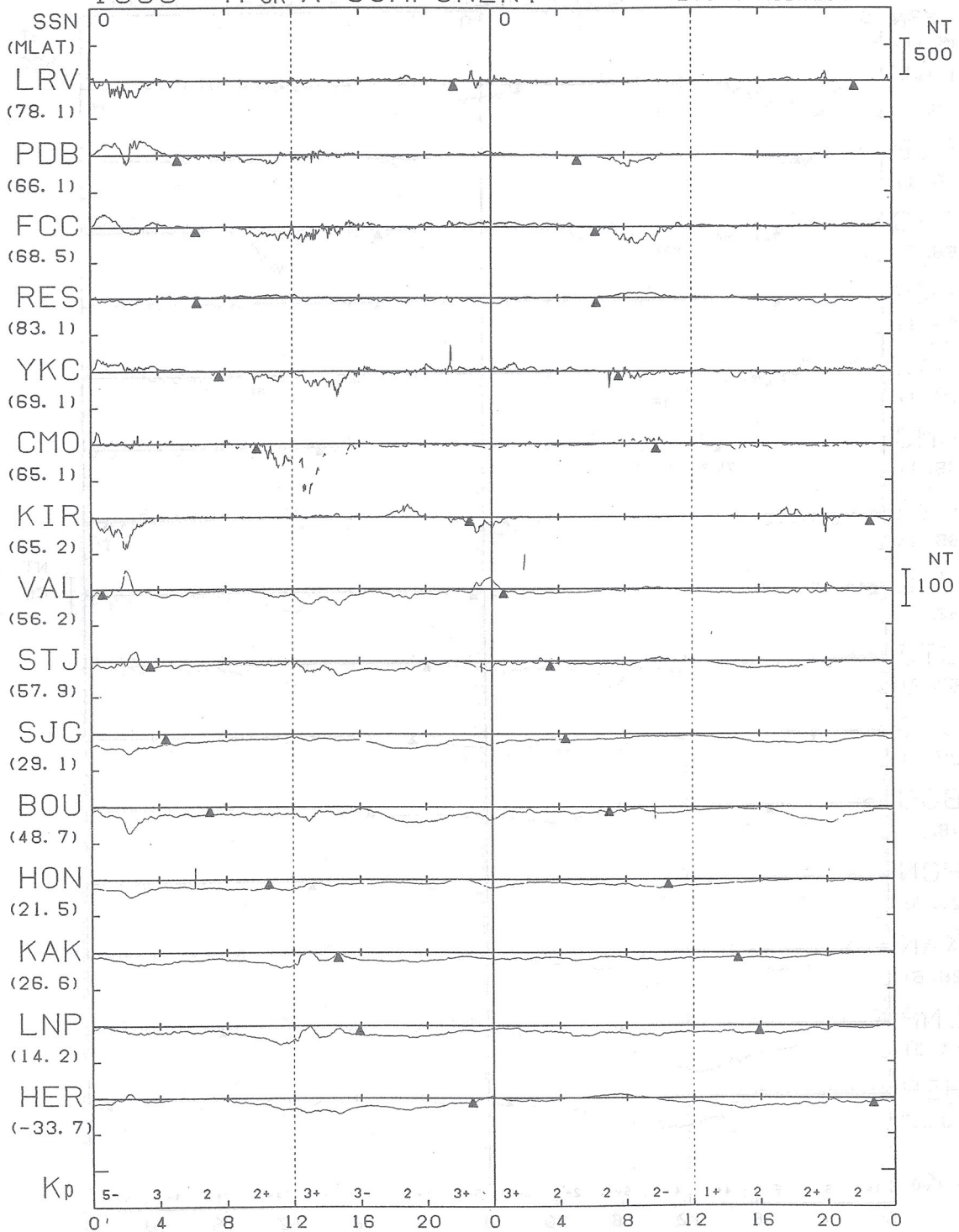
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



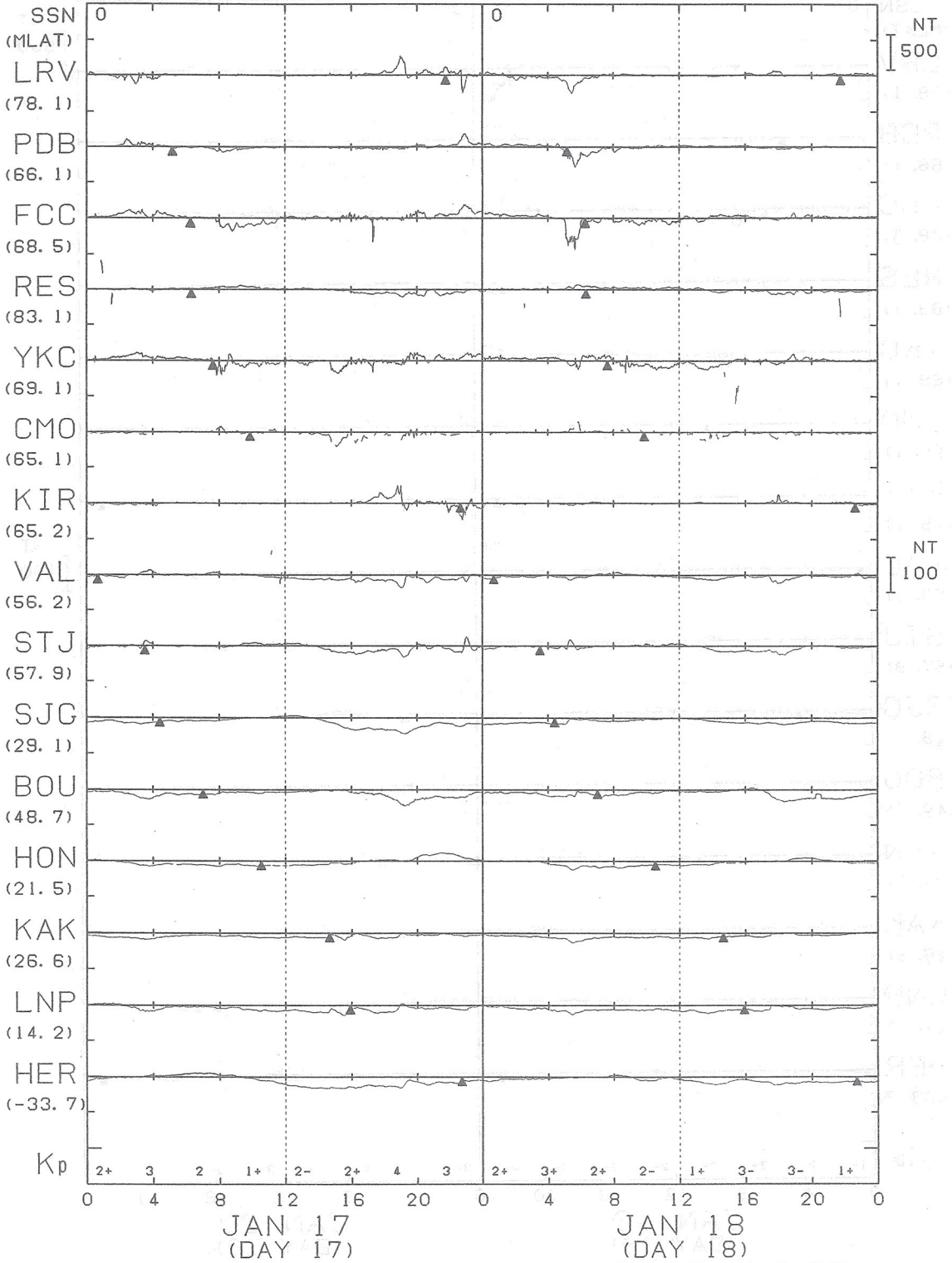
JAN 15 (DAY 15) JAN 16 (DAY 16)

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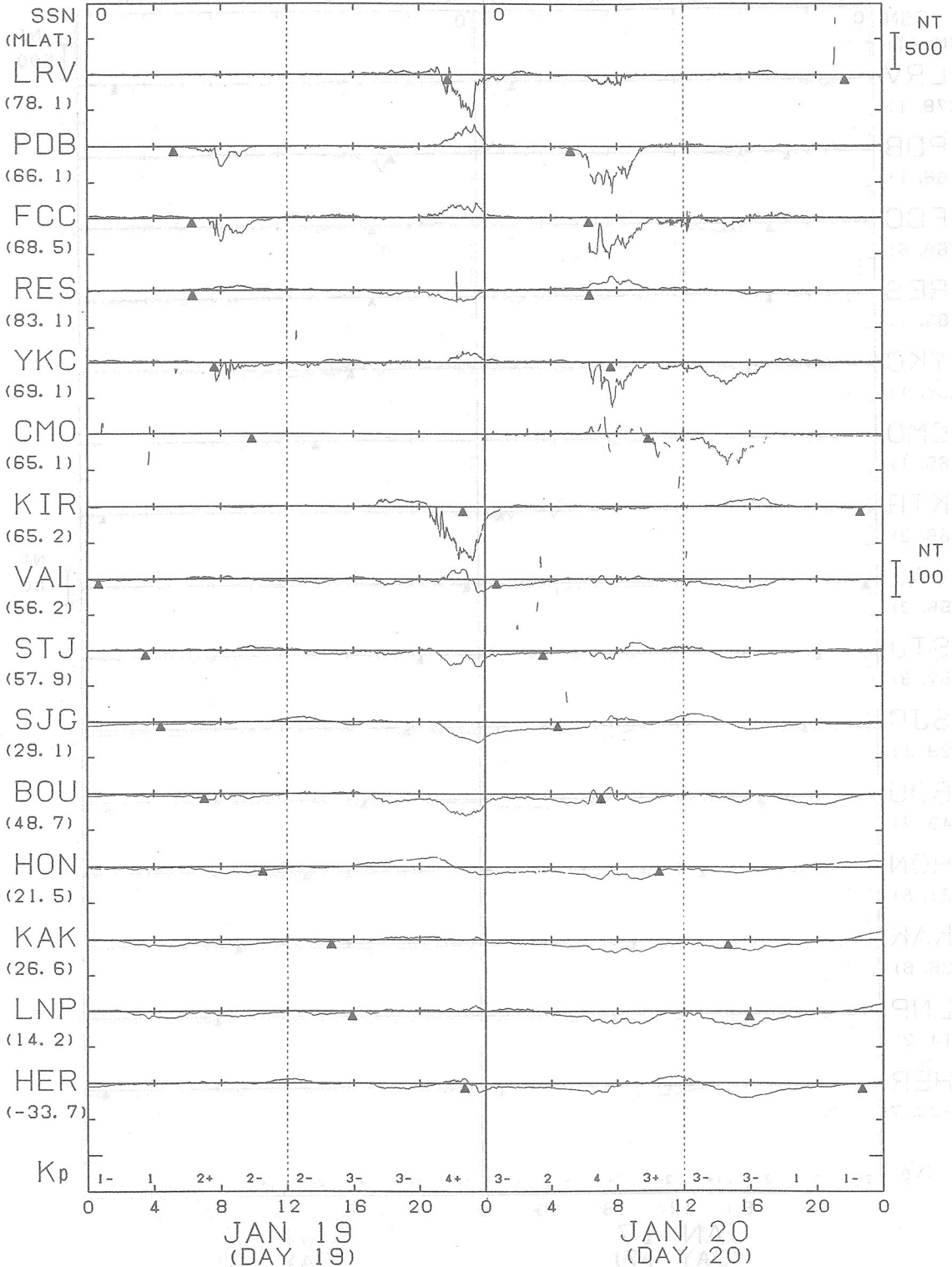
▲ : LOCAL MIDNIGHT



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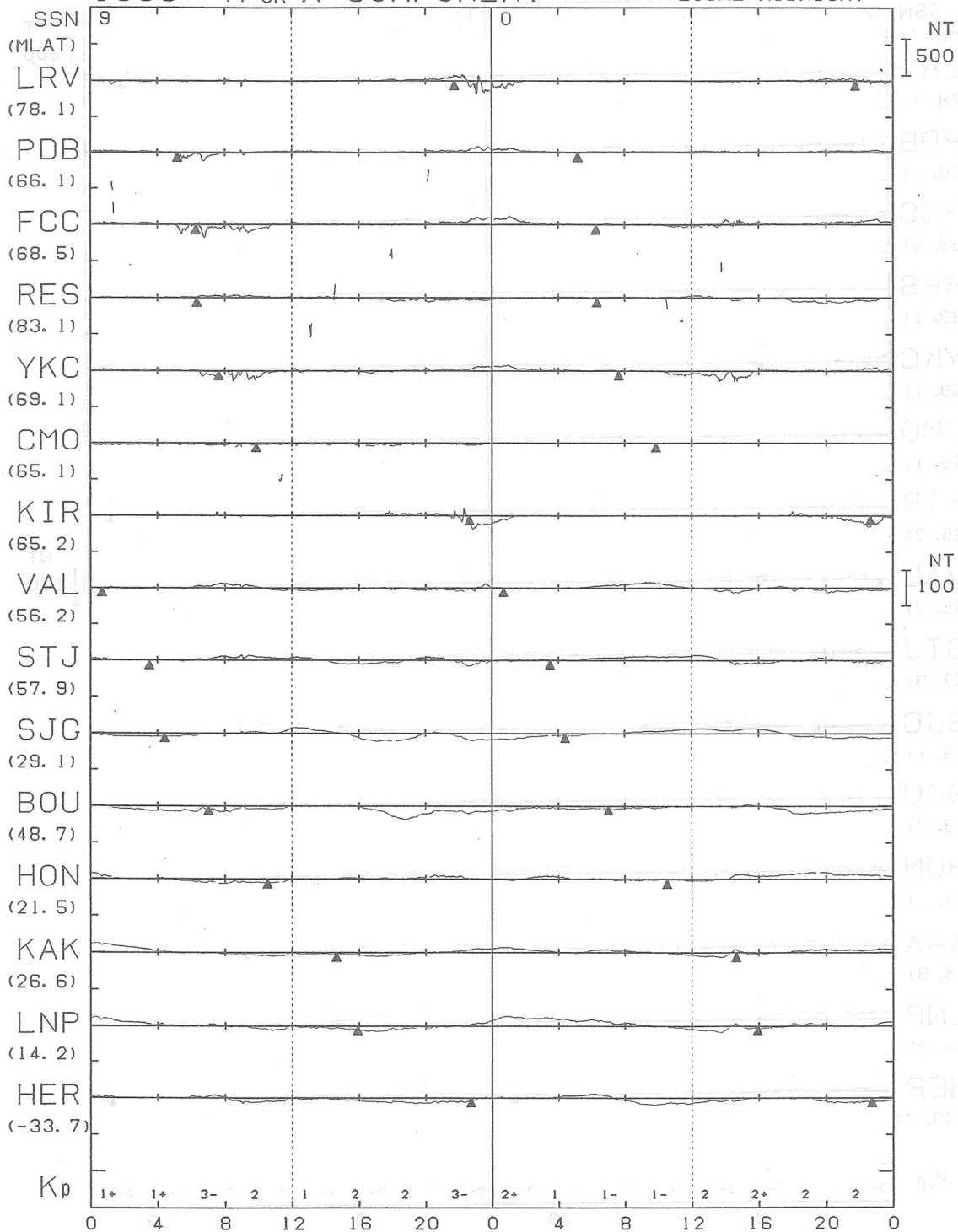
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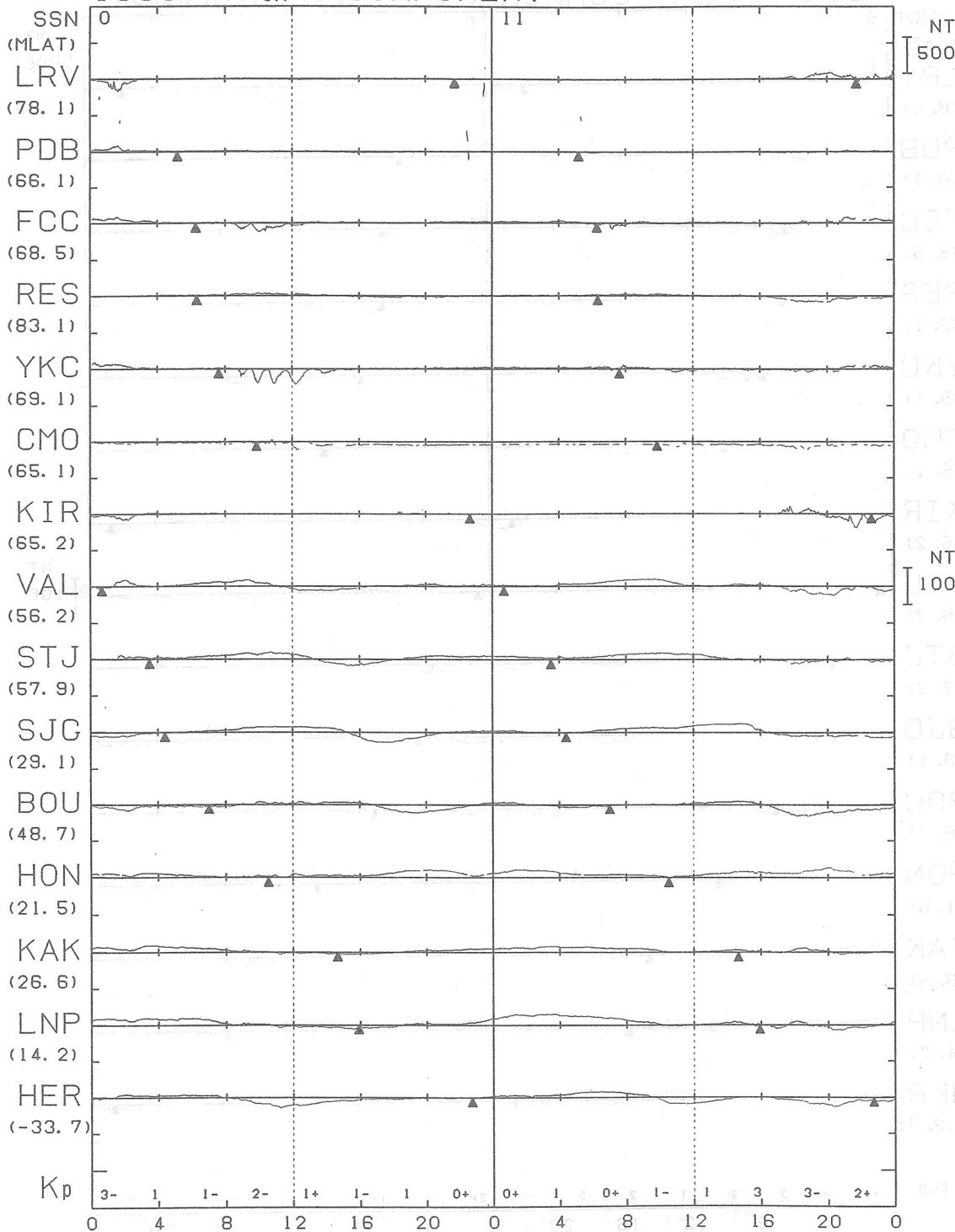
1996 H_{OR} X-COMPONENT ▲ : LOCAL MIDNIGHT



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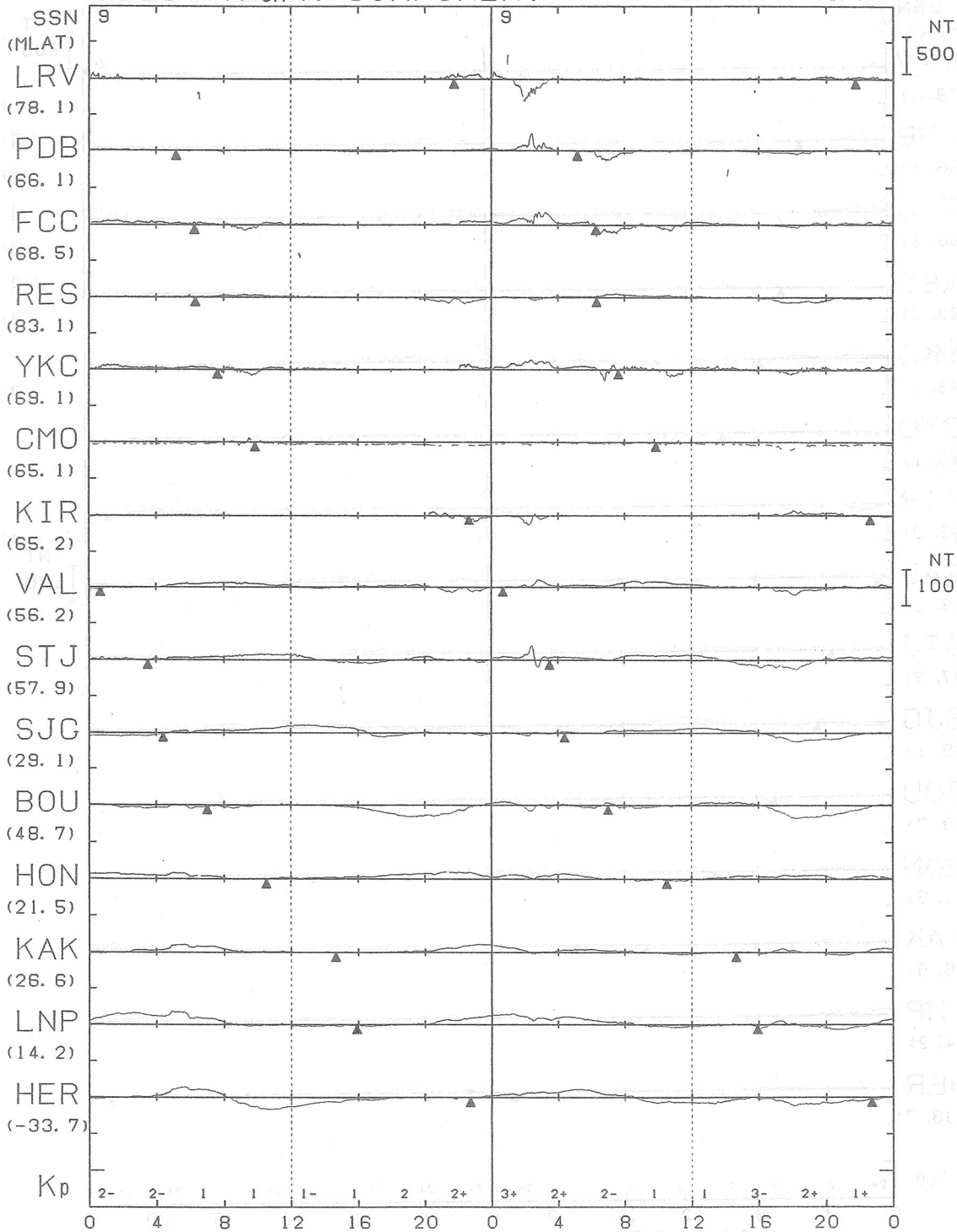
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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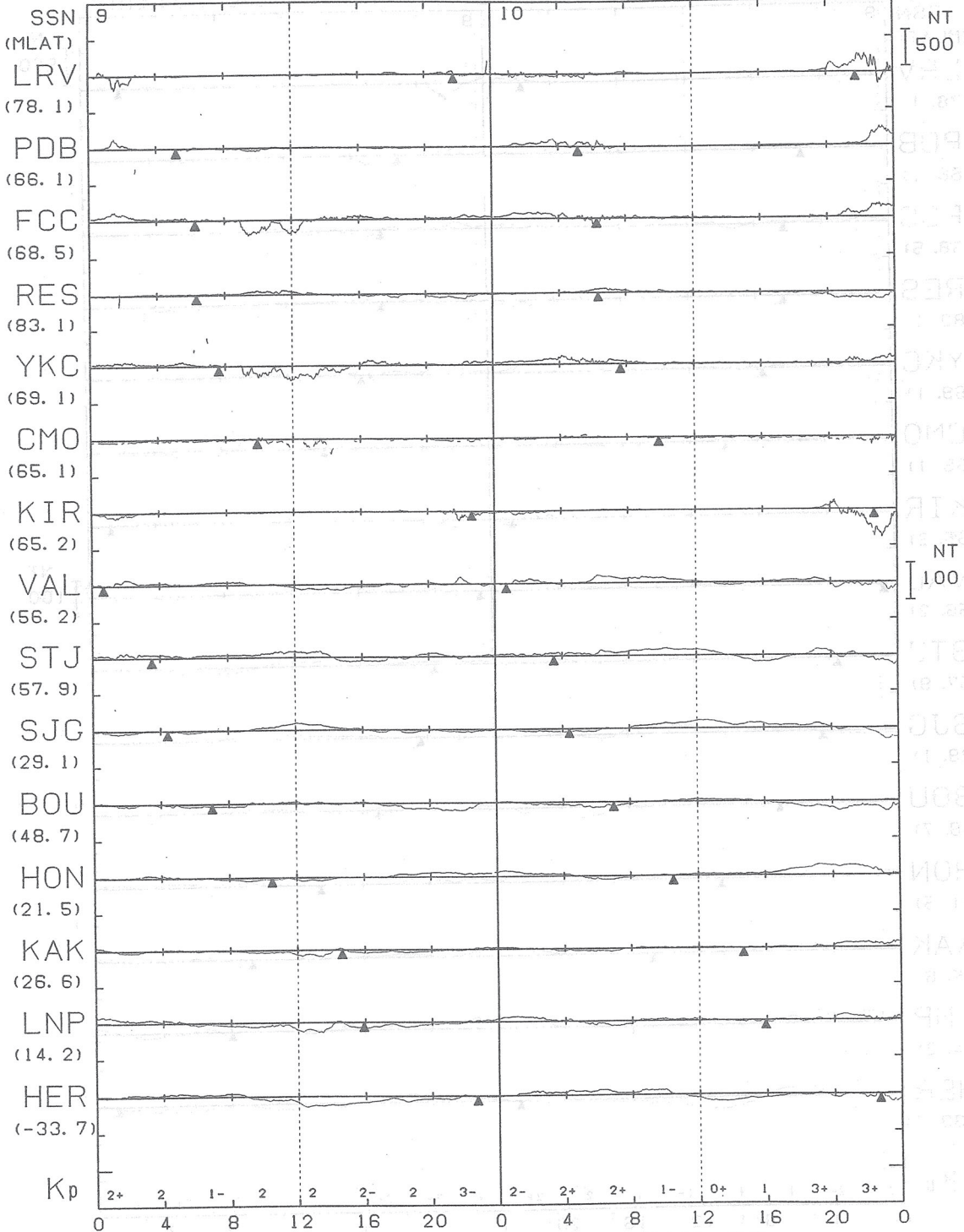
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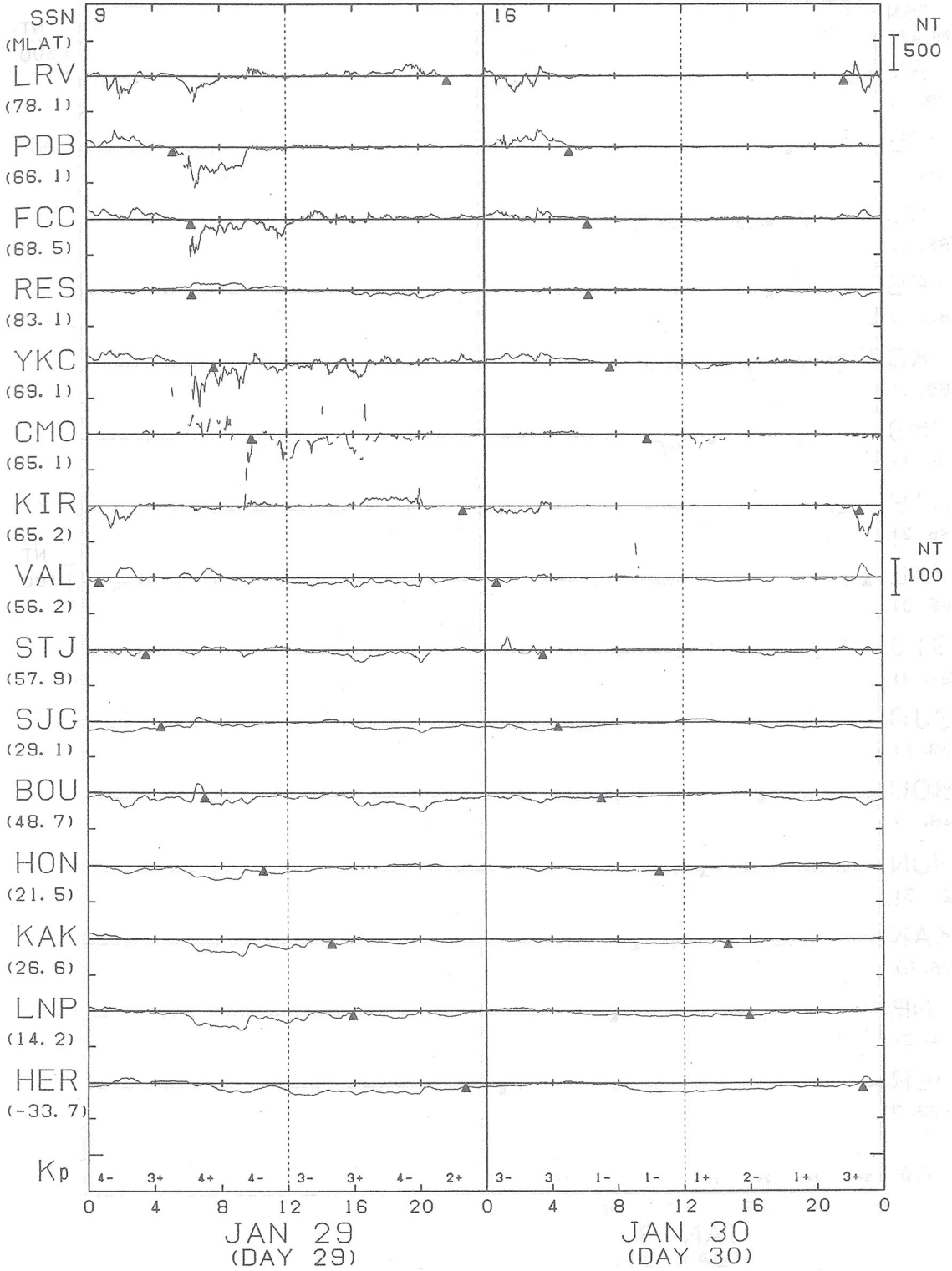
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

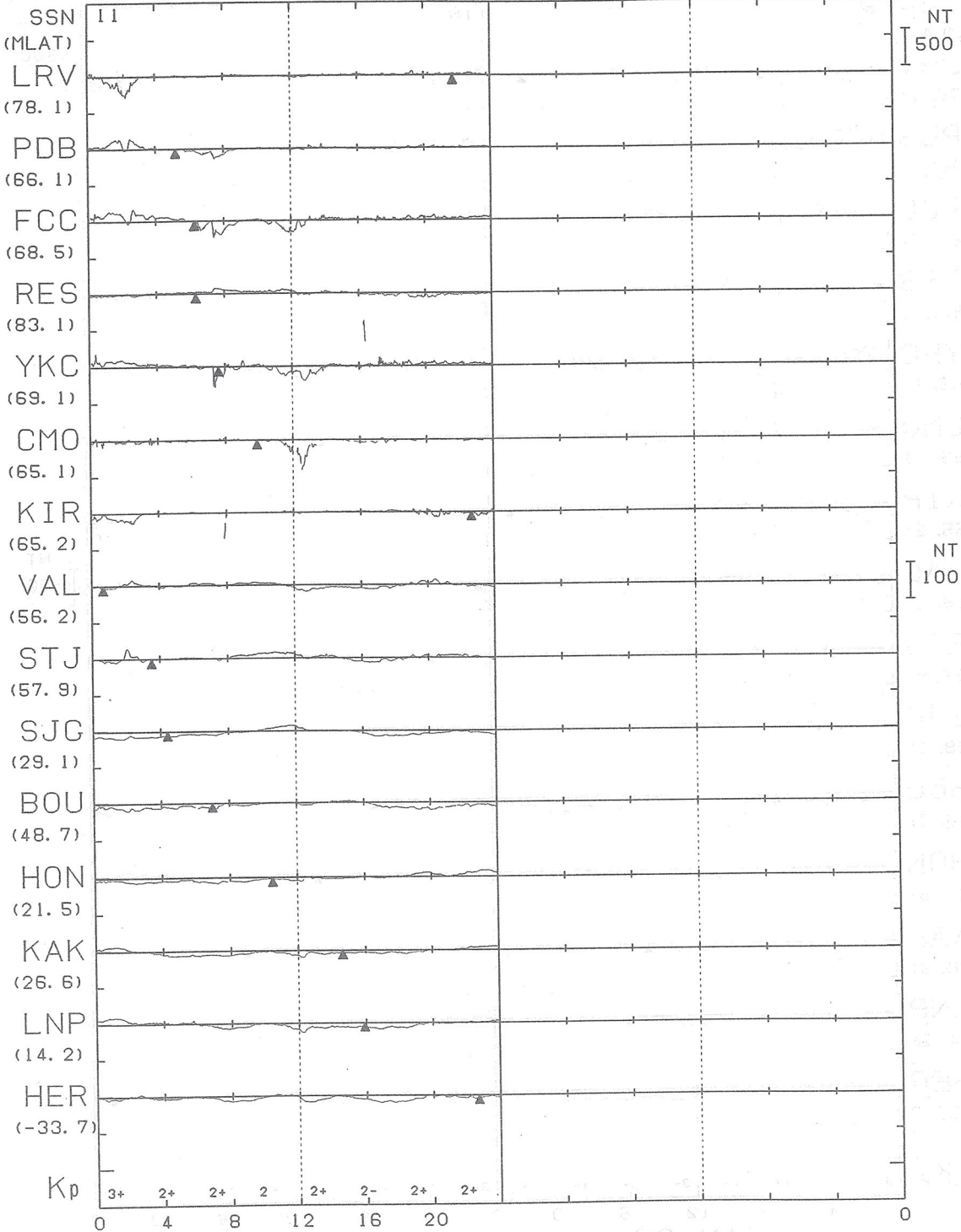


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1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

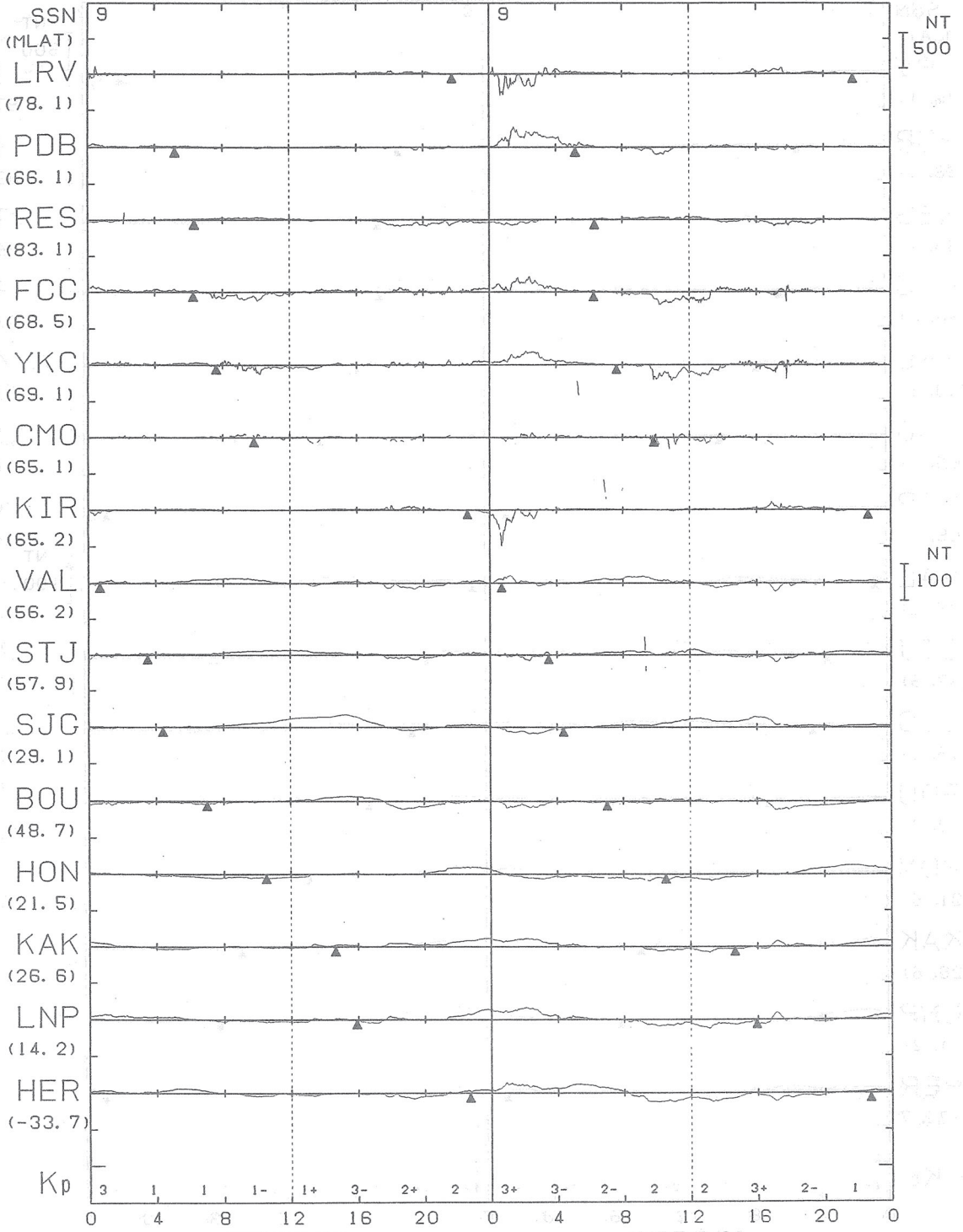


JAN 31
(DAY 31)

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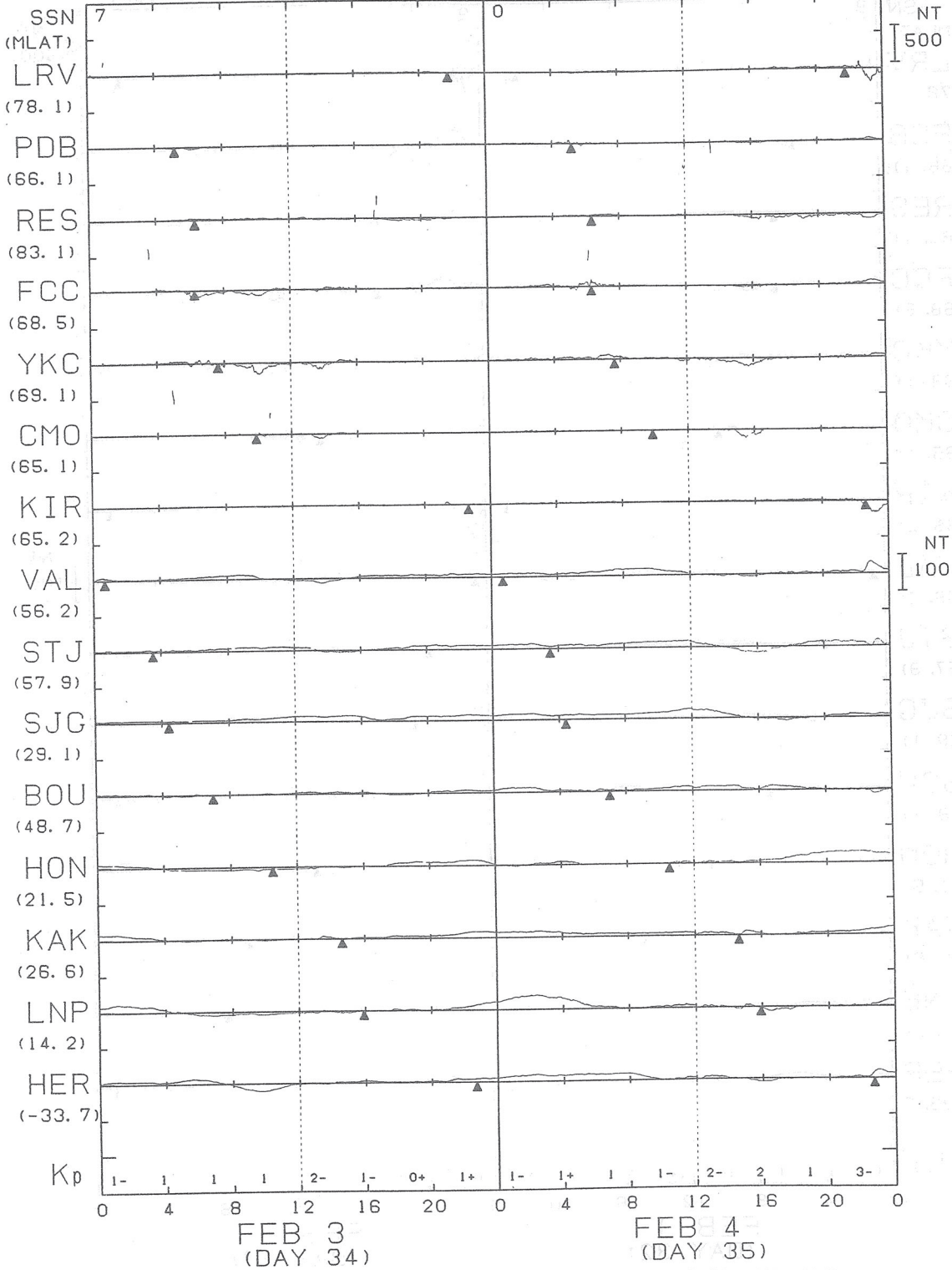
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THE JOURNAL
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GEOPHYSICAL RESEARCH
VOLUME 101
NO. 1
JANUARY 1996
PAGES 1-10
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



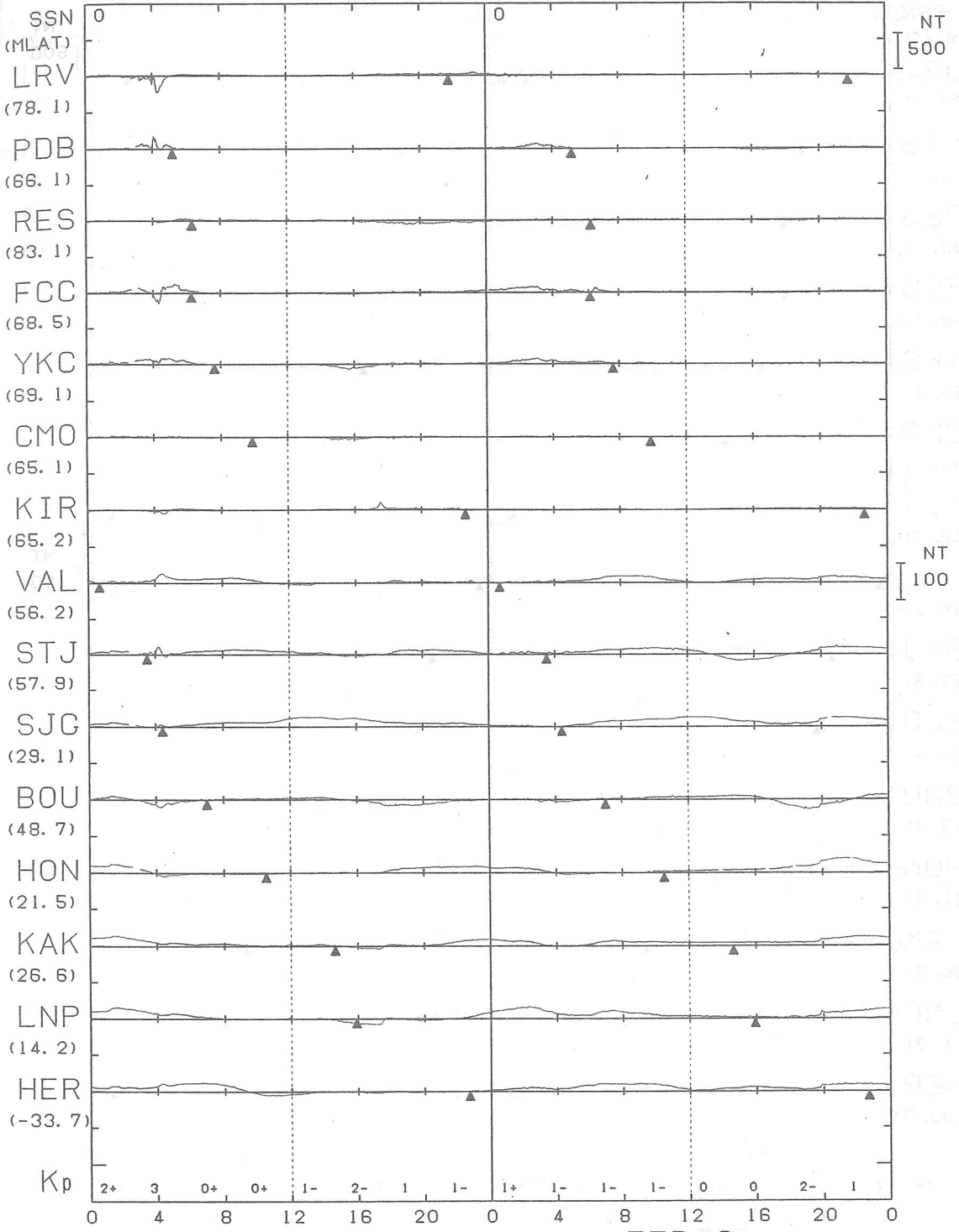
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



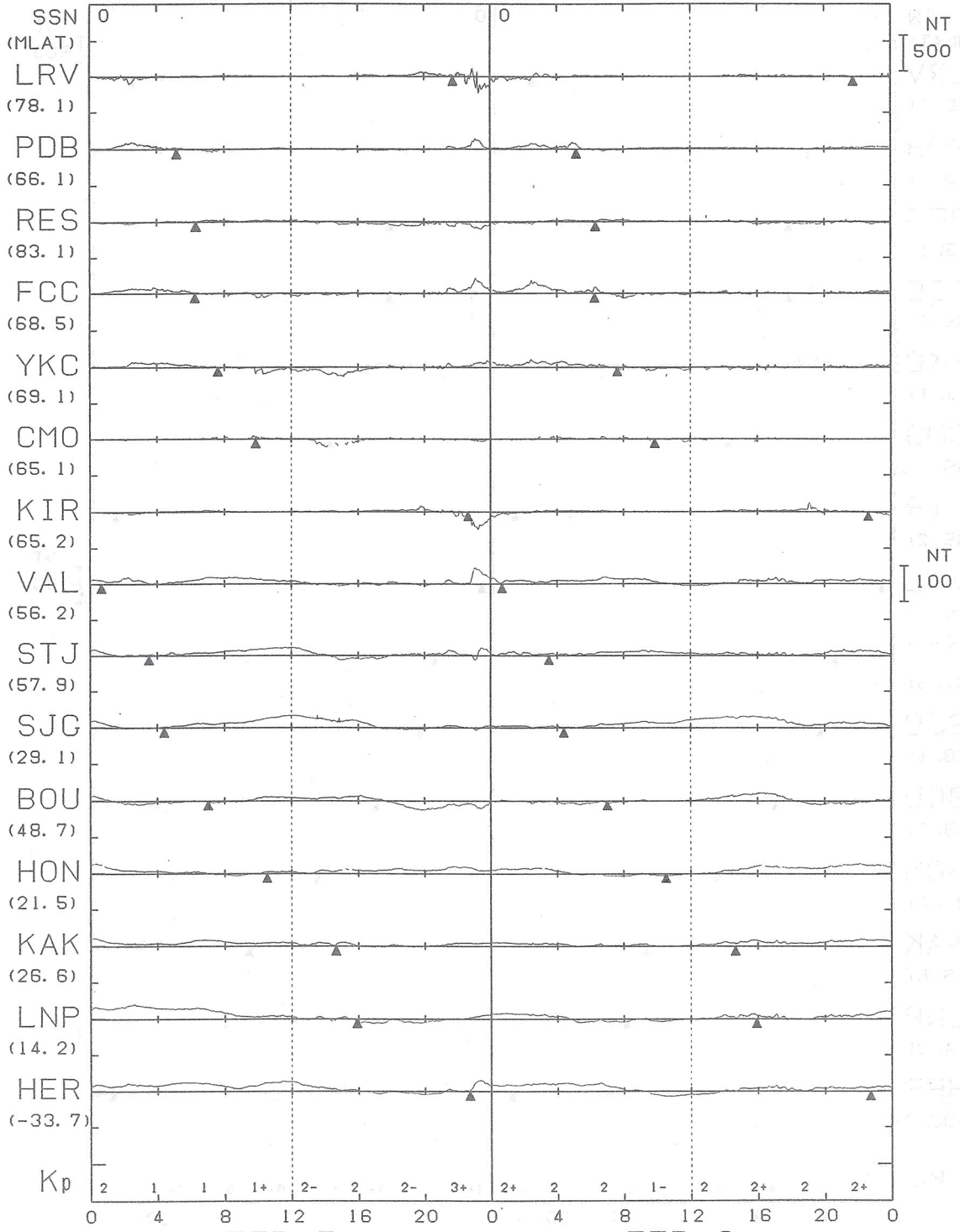
FEB 5
(DAY 36)

FEB 6
(DAY 37)

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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

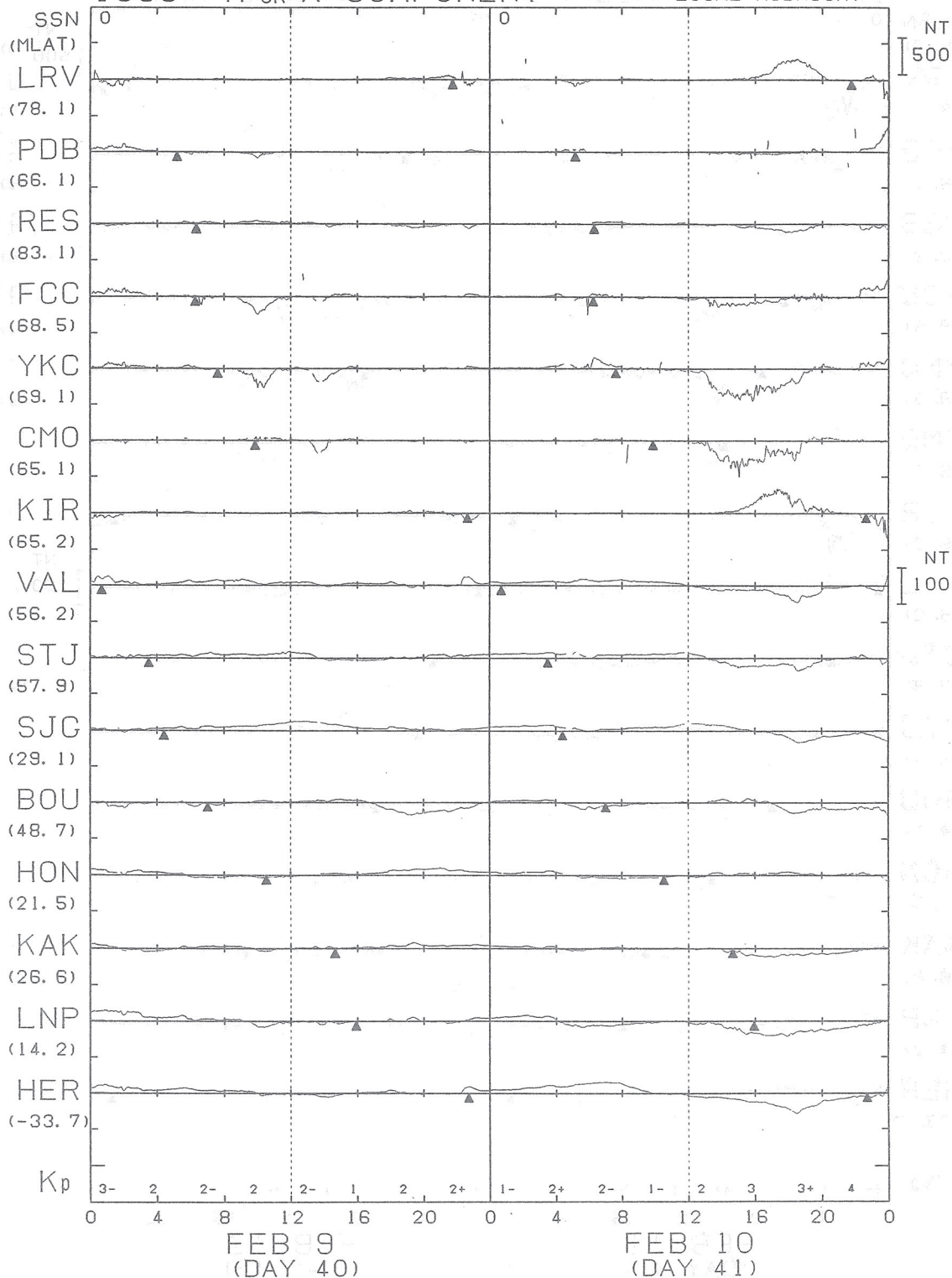


FEB 7 (DAY 38) FEB 8 (DAY 39)

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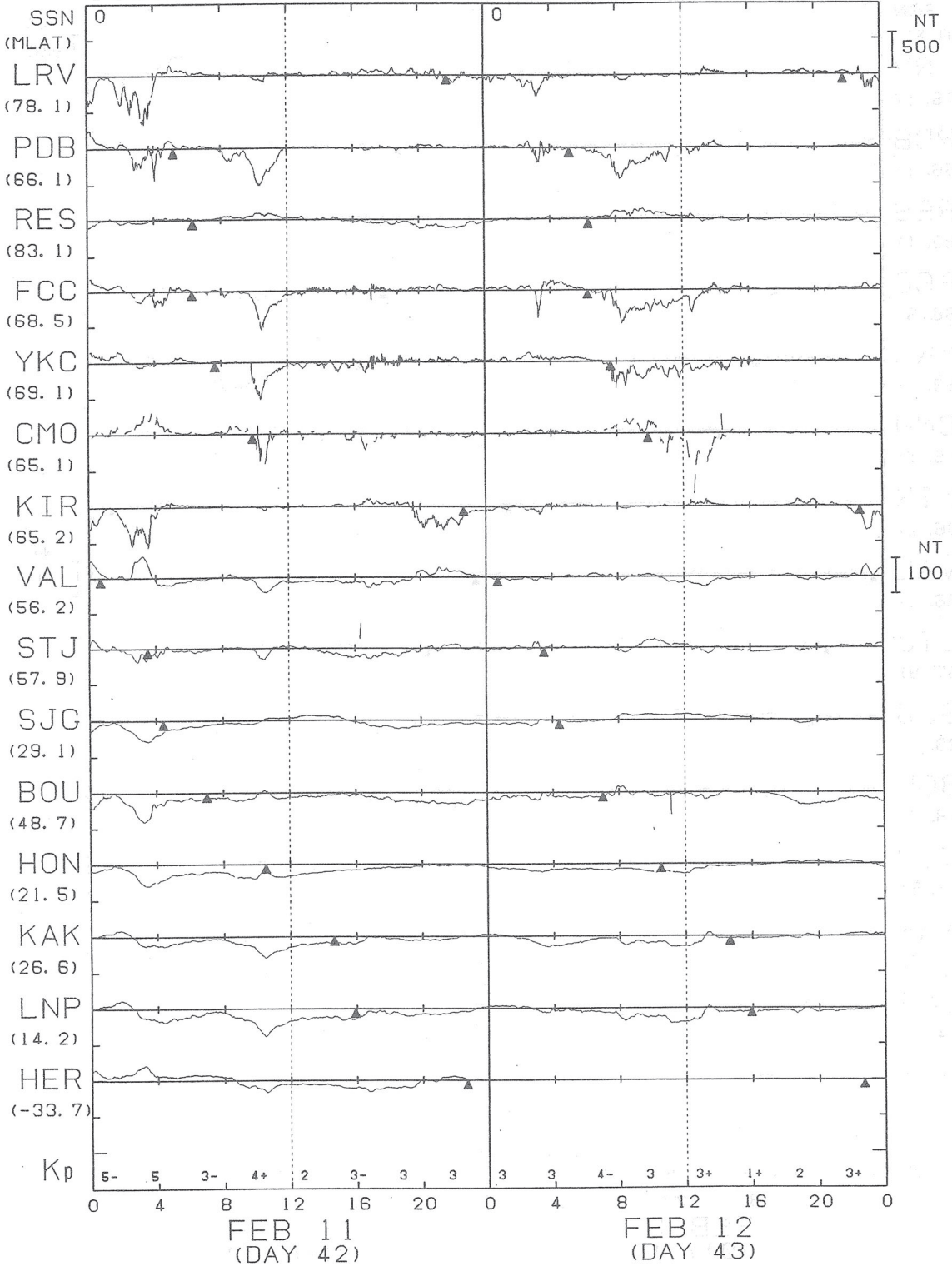
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* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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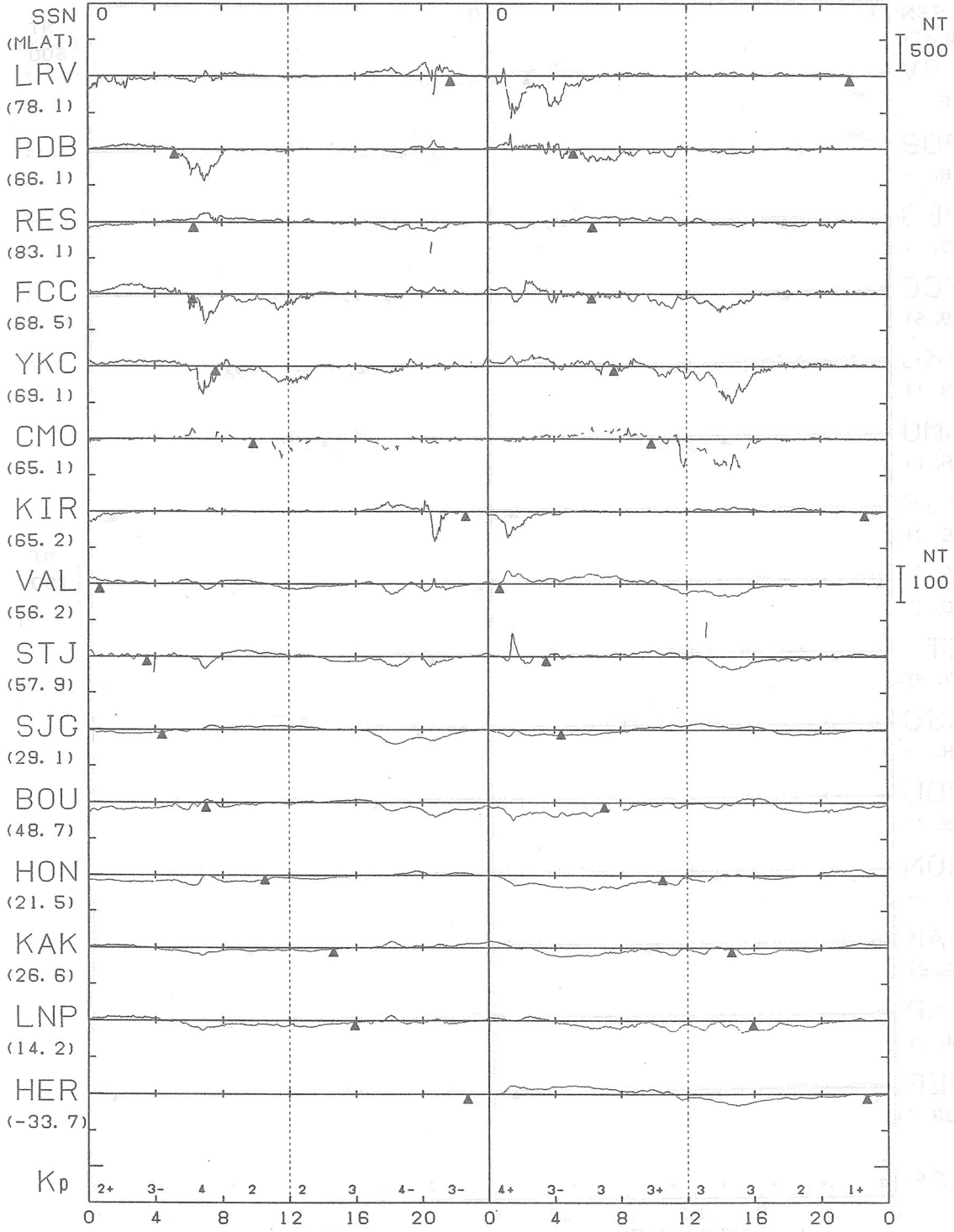
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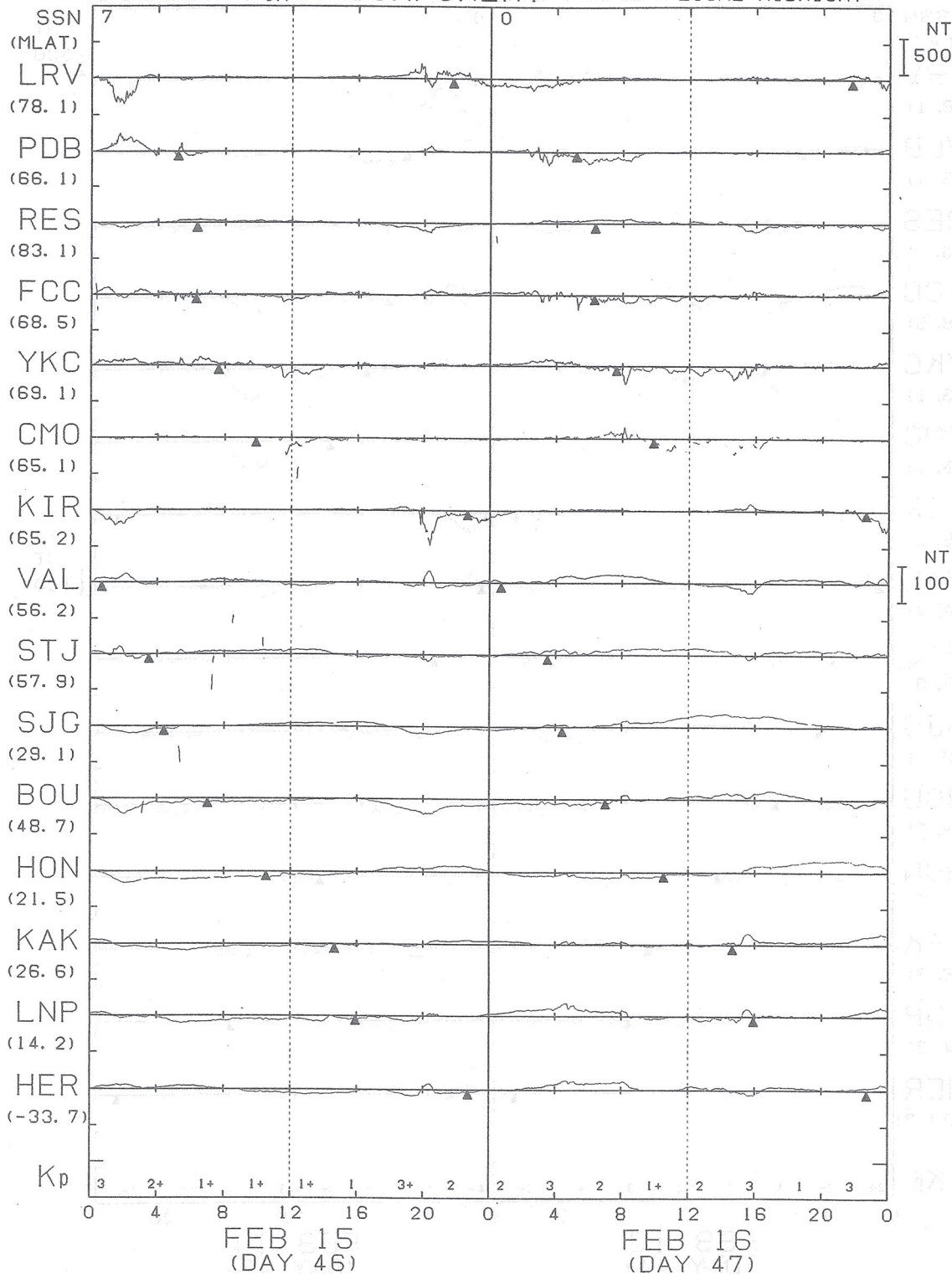
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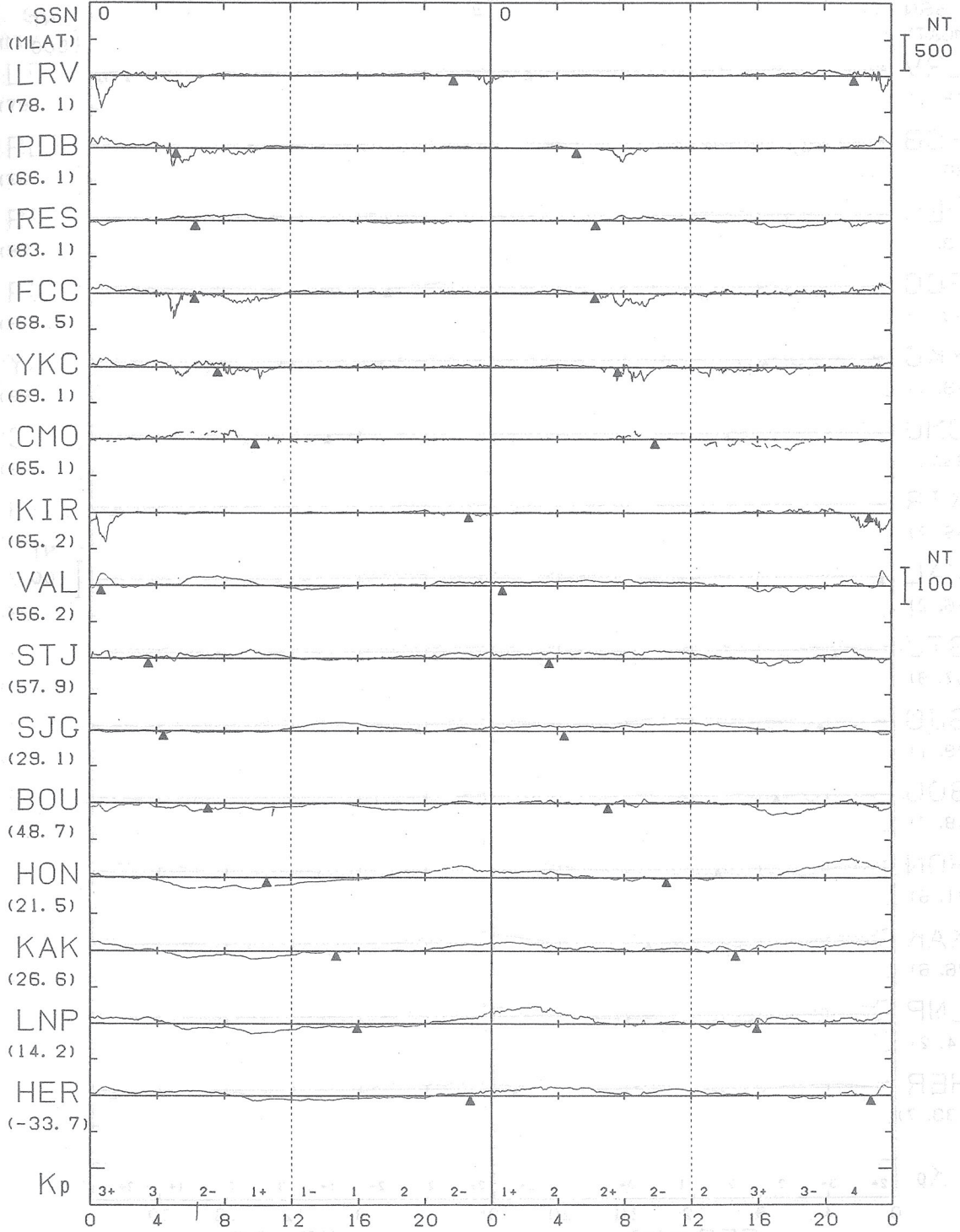
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT
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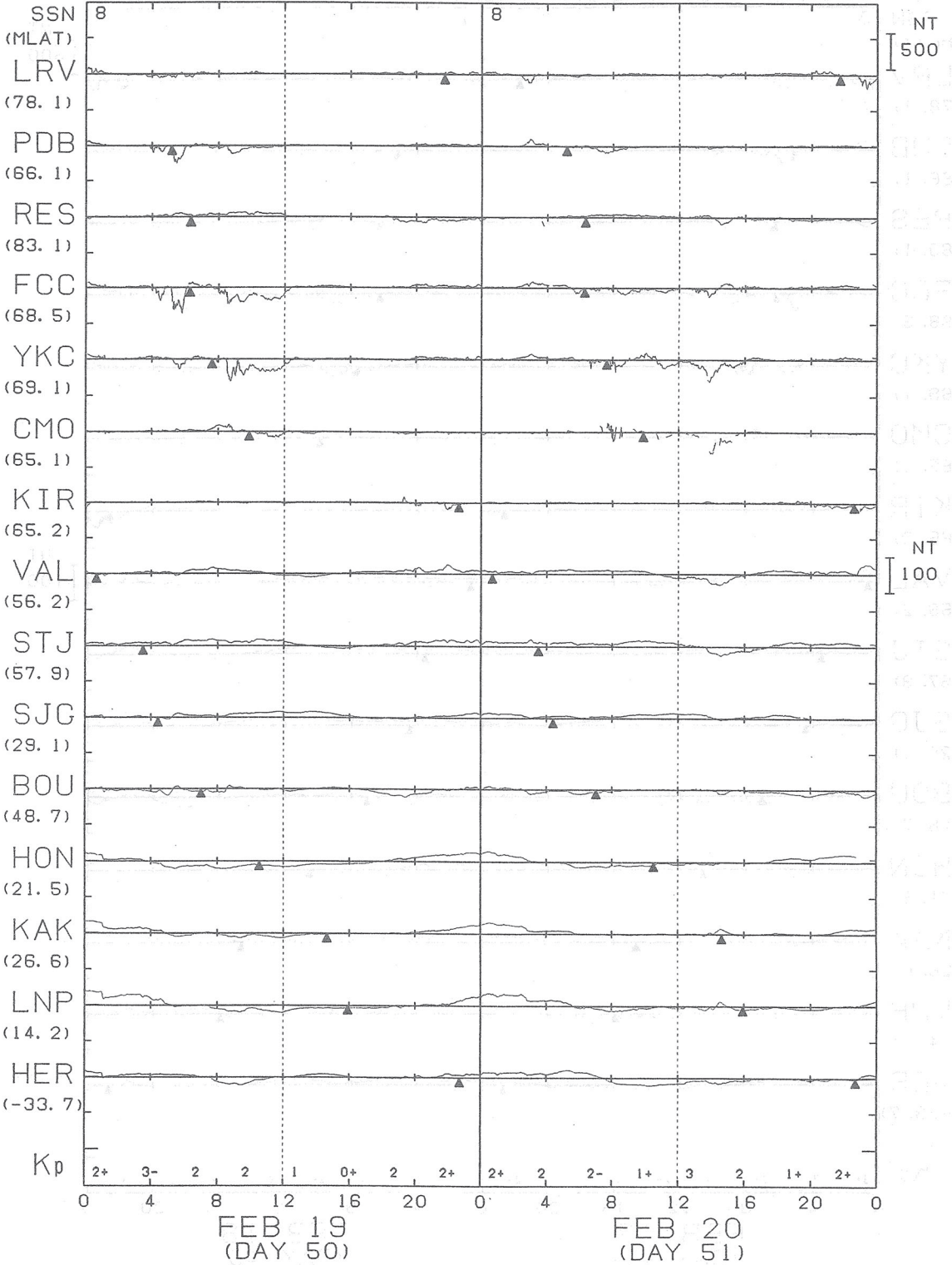
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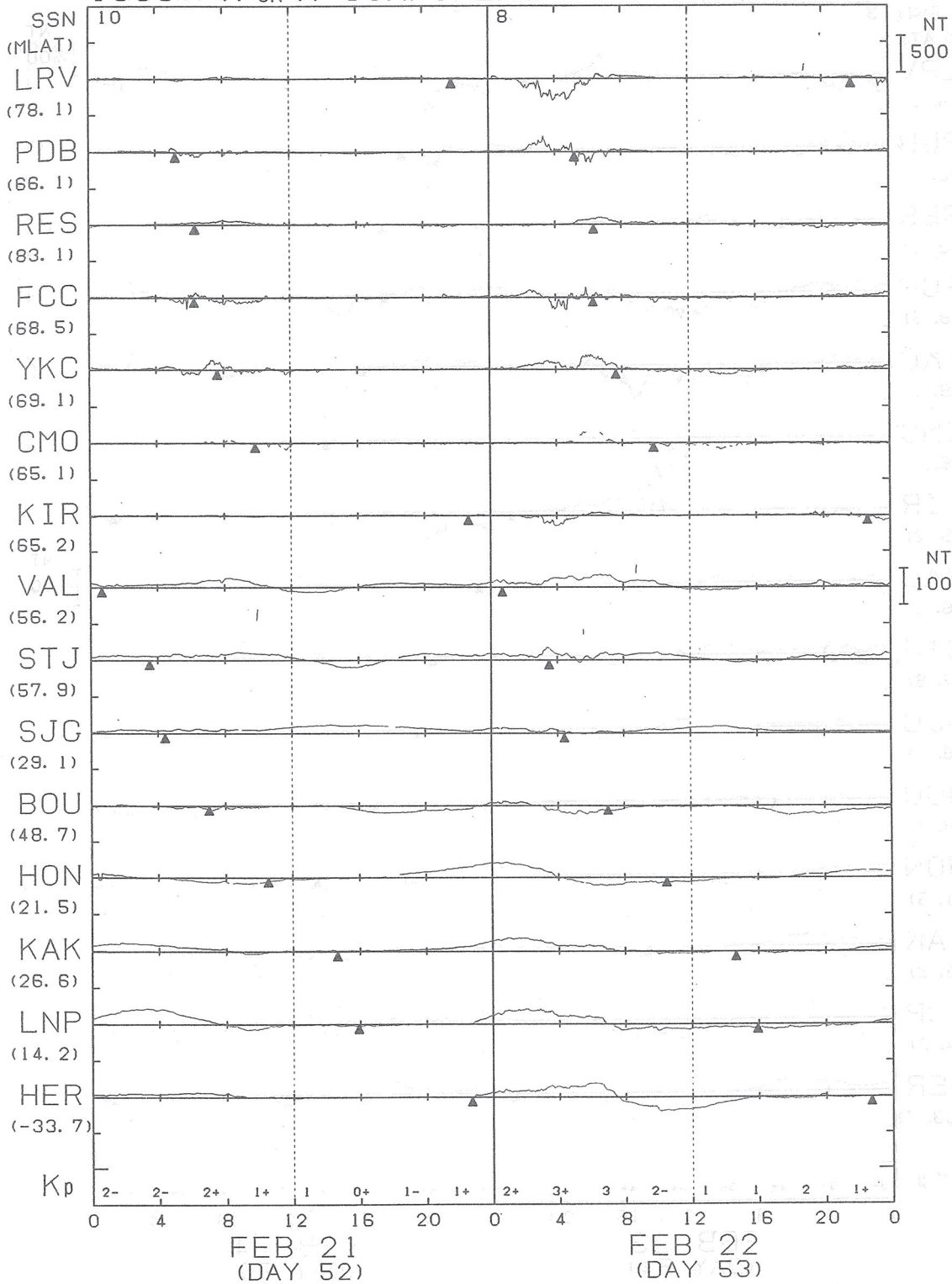
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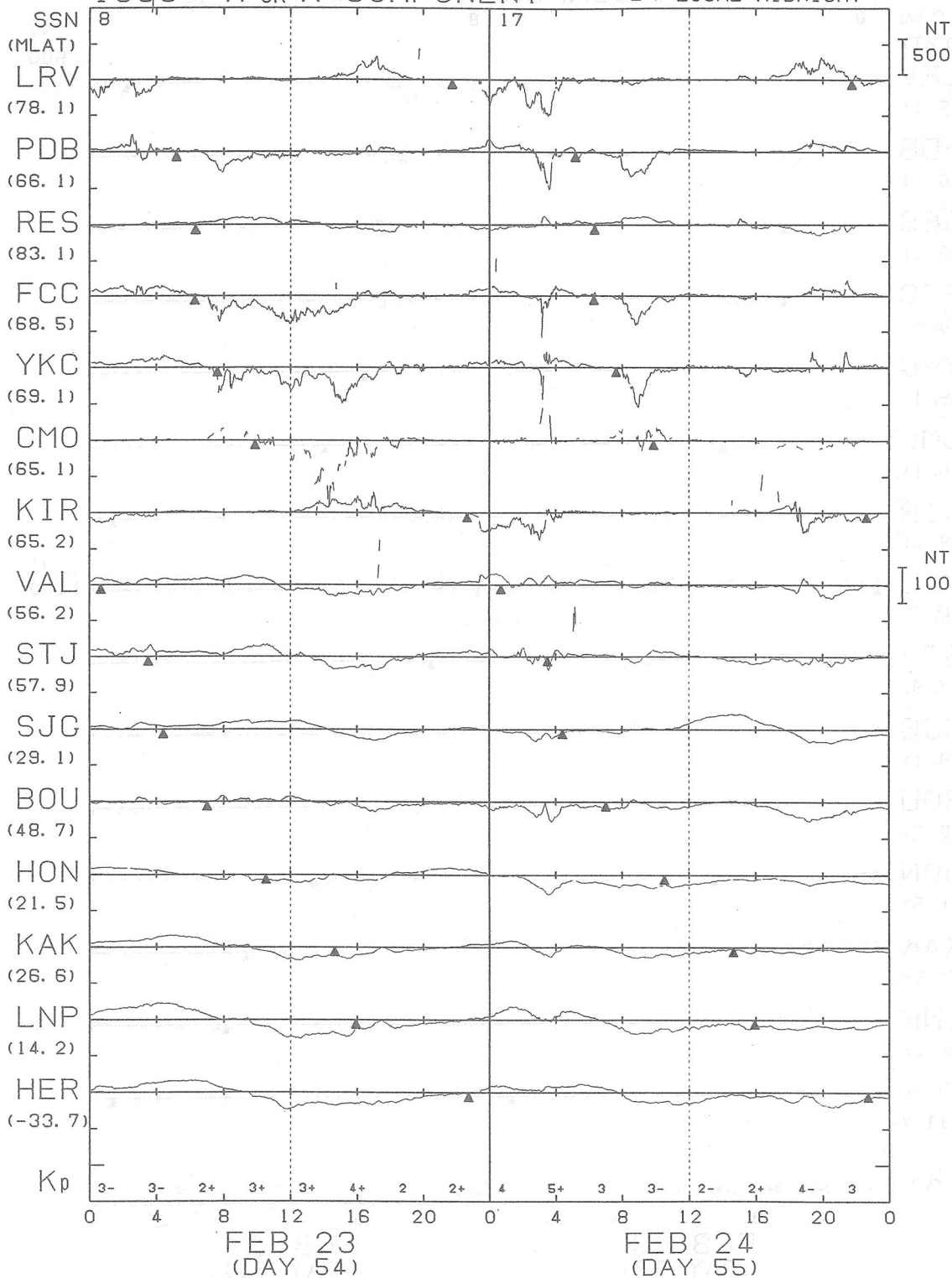
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1996 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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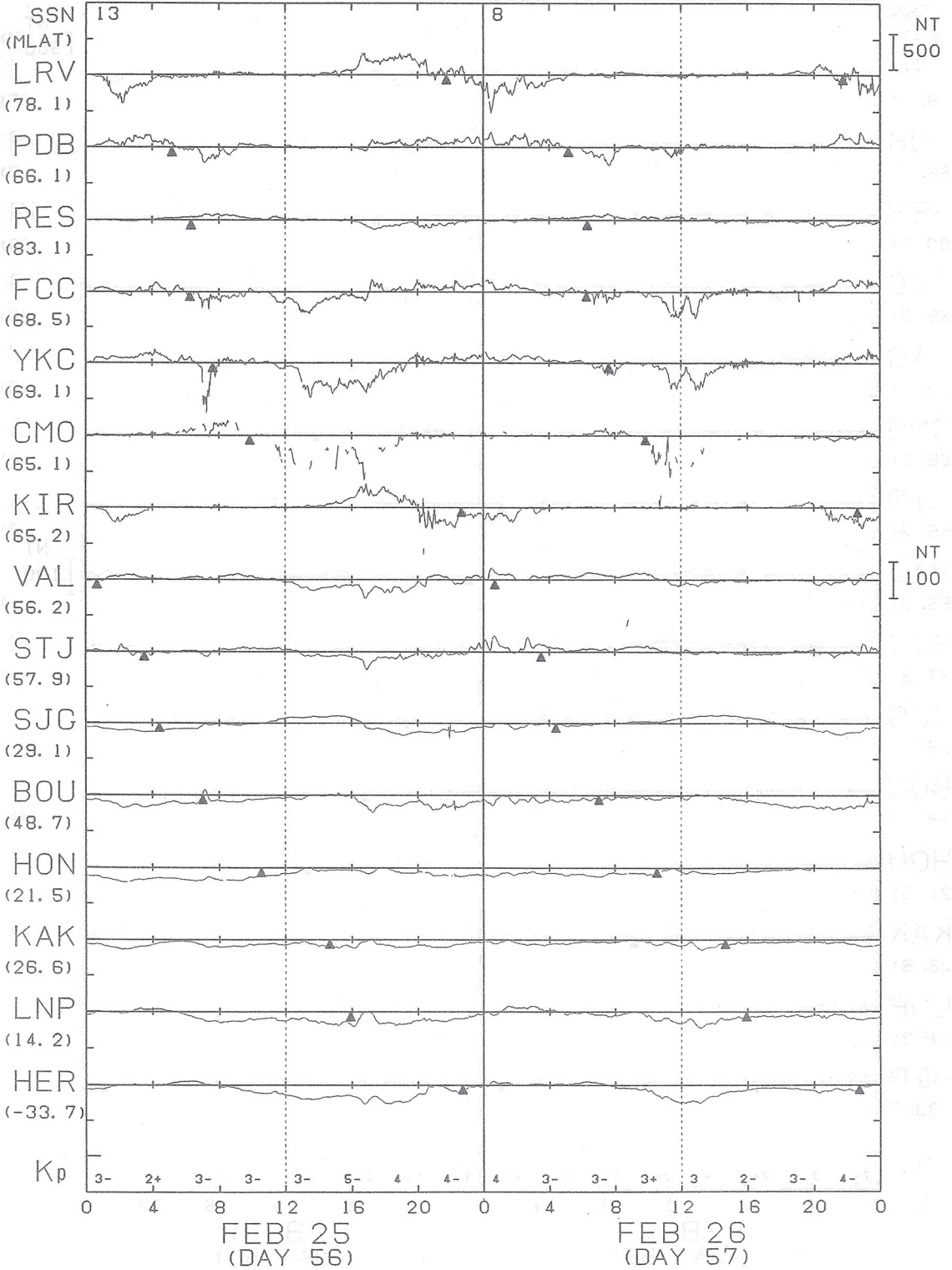
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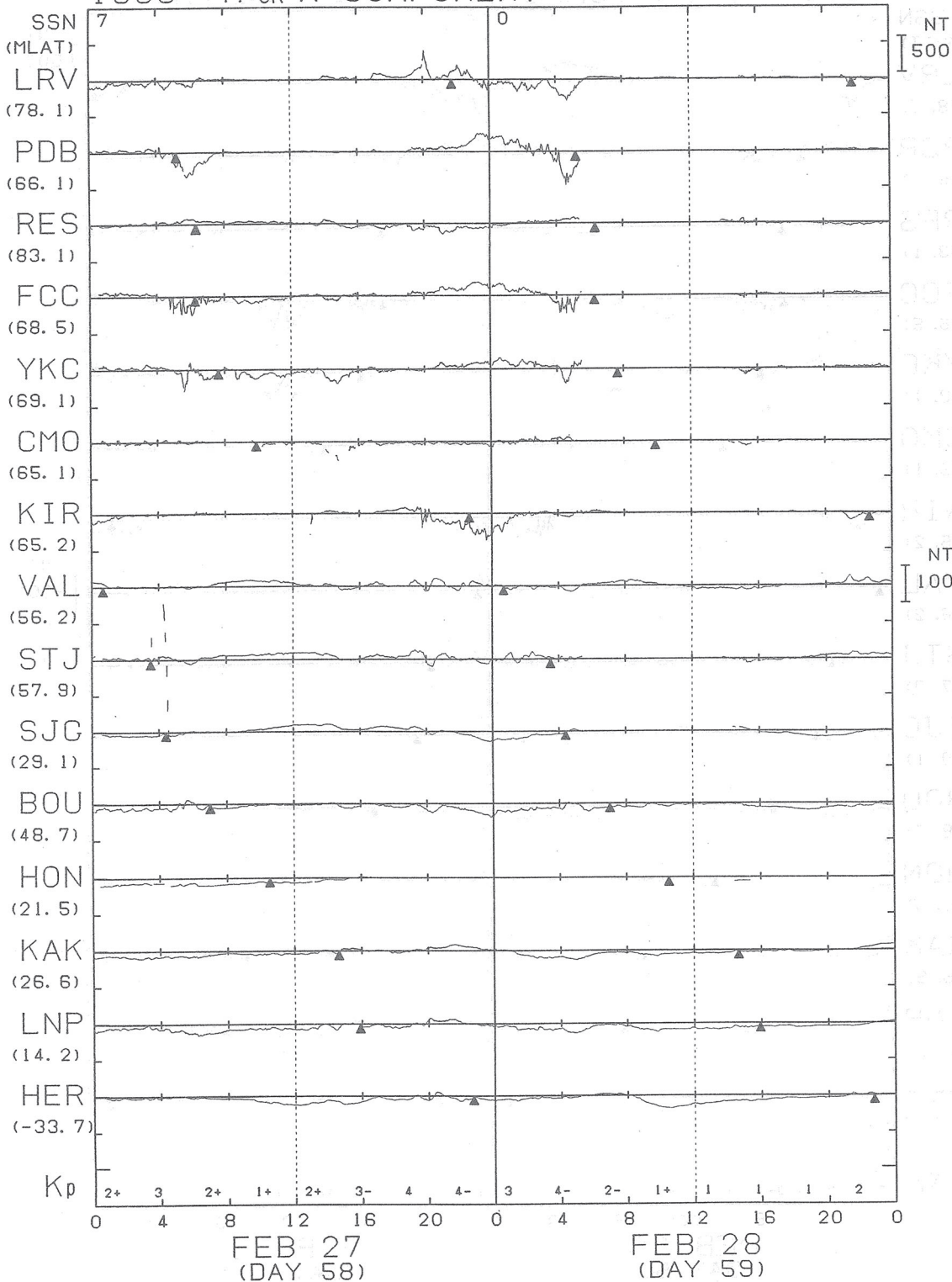
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

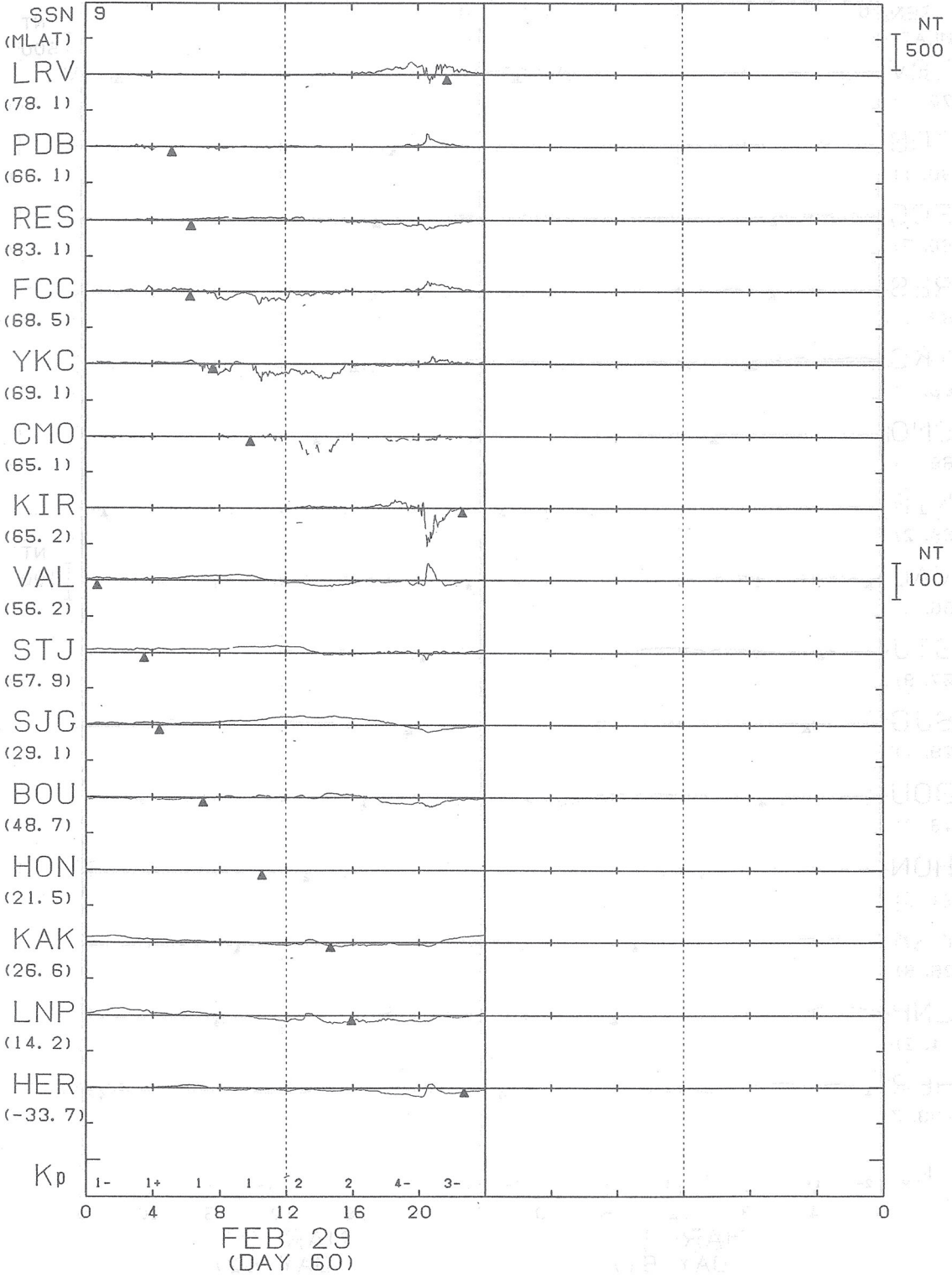


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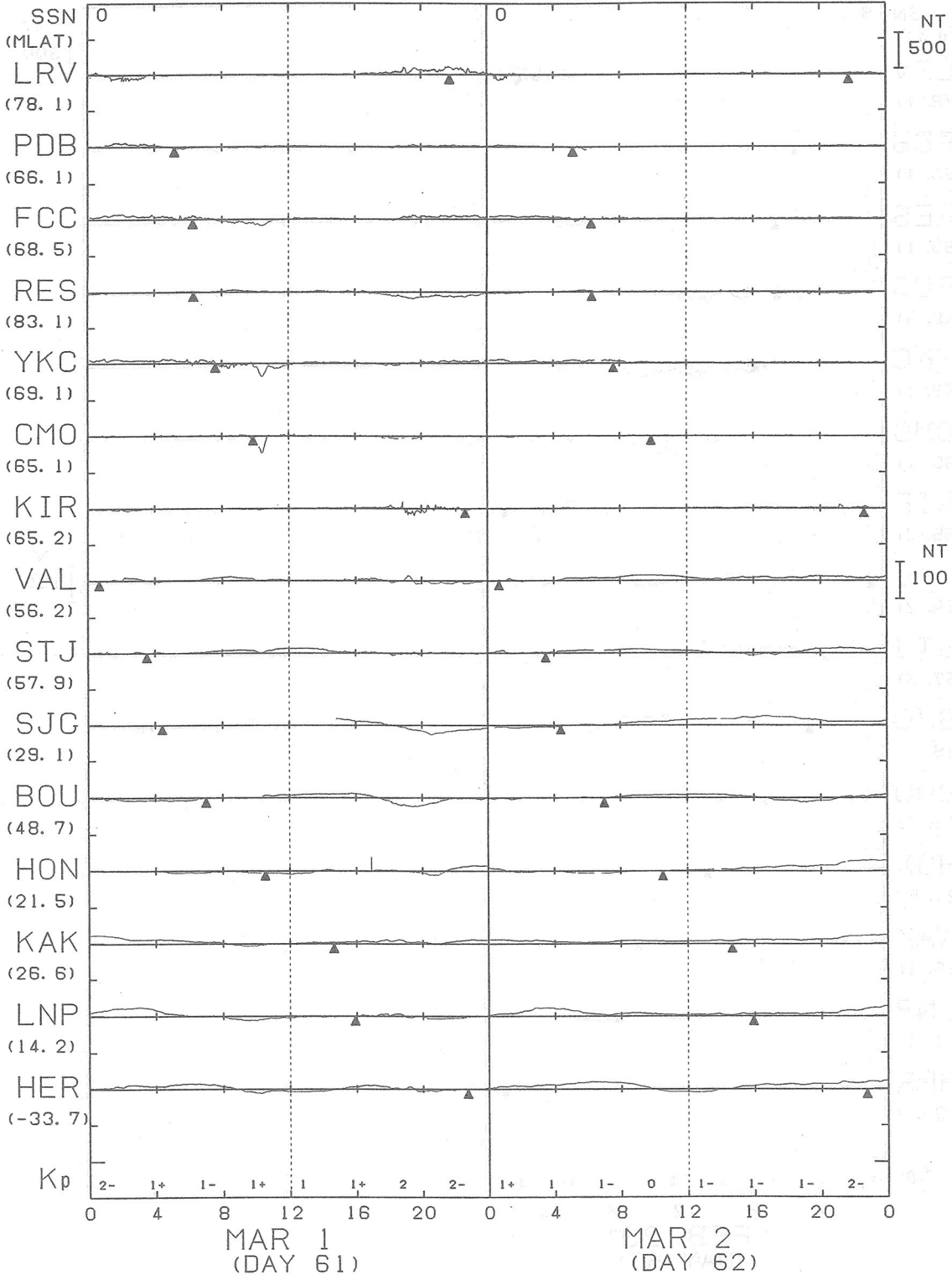
▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT \blacktriangle : LOCAL MIDNIGHT

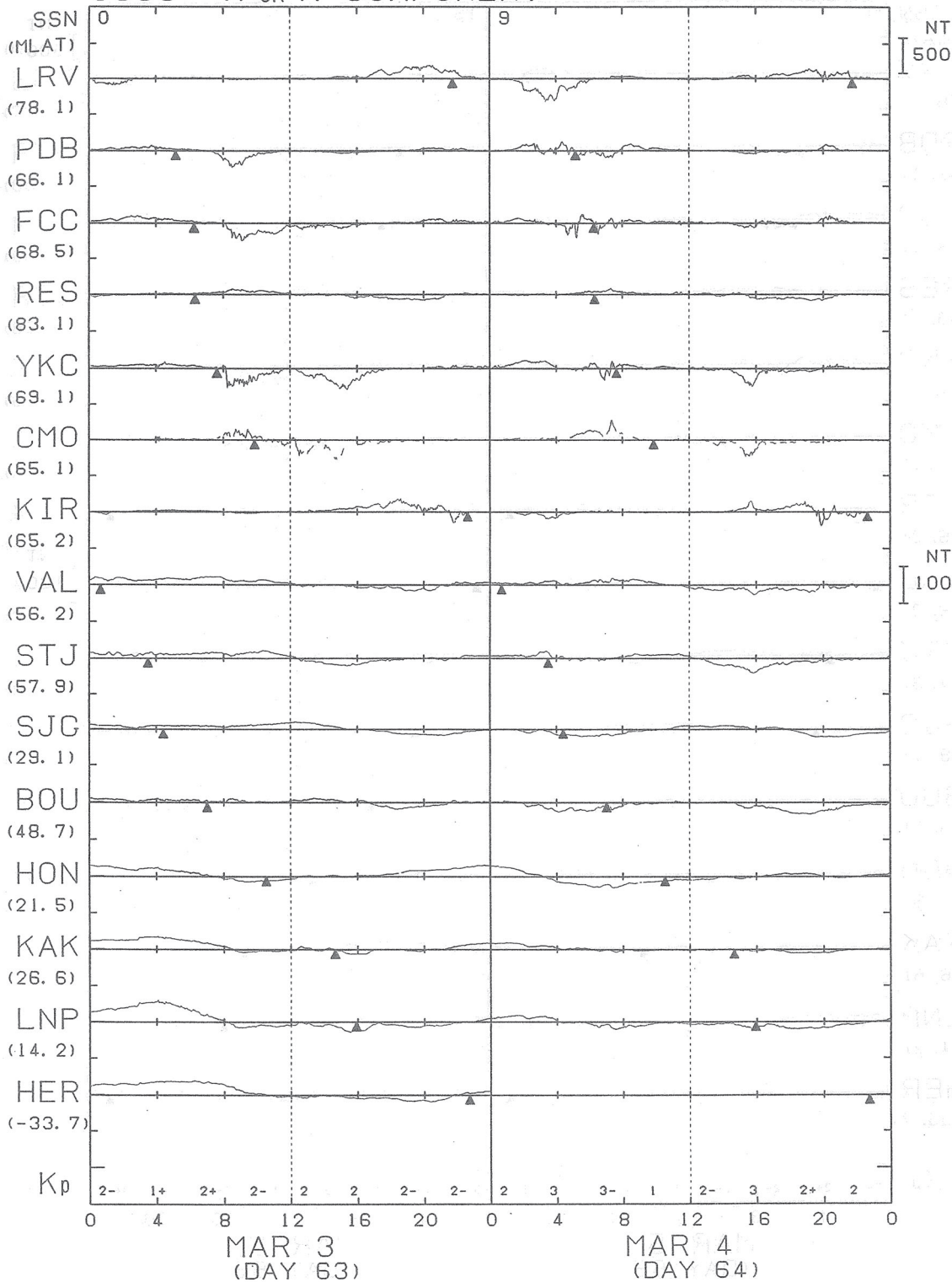


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1996 H OR X-COMPONENT

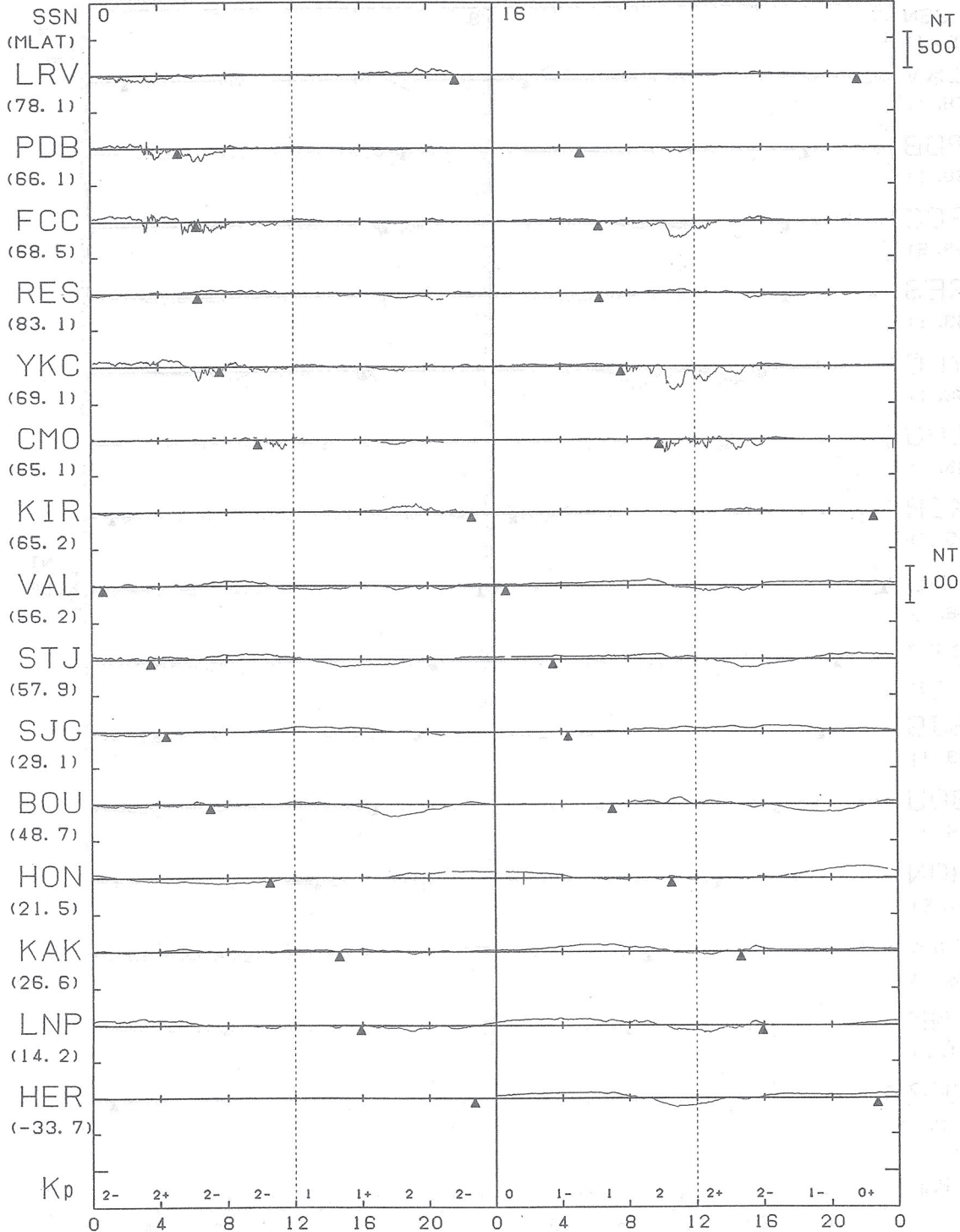
▲ : LOCAL MIDNIGHT



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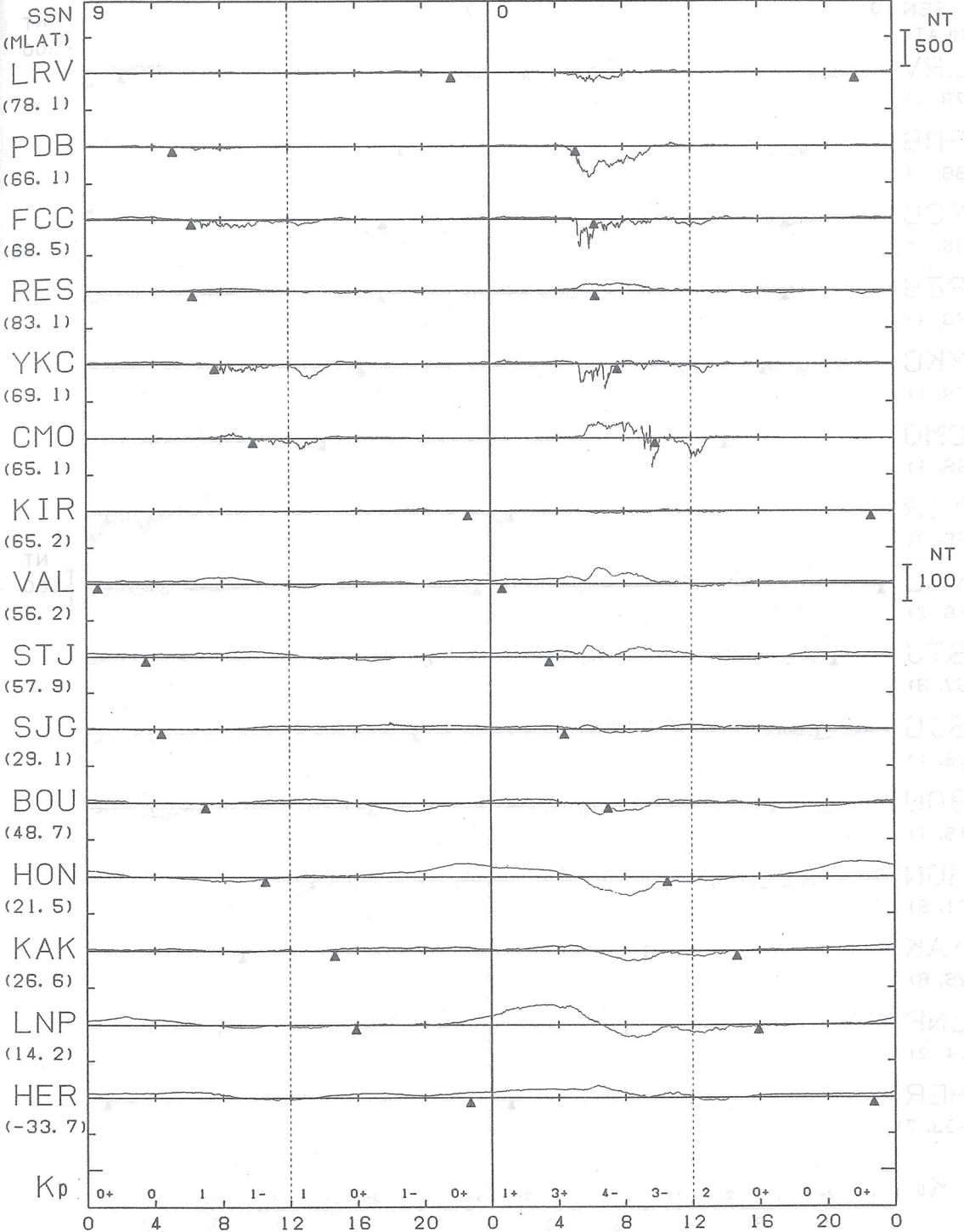
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

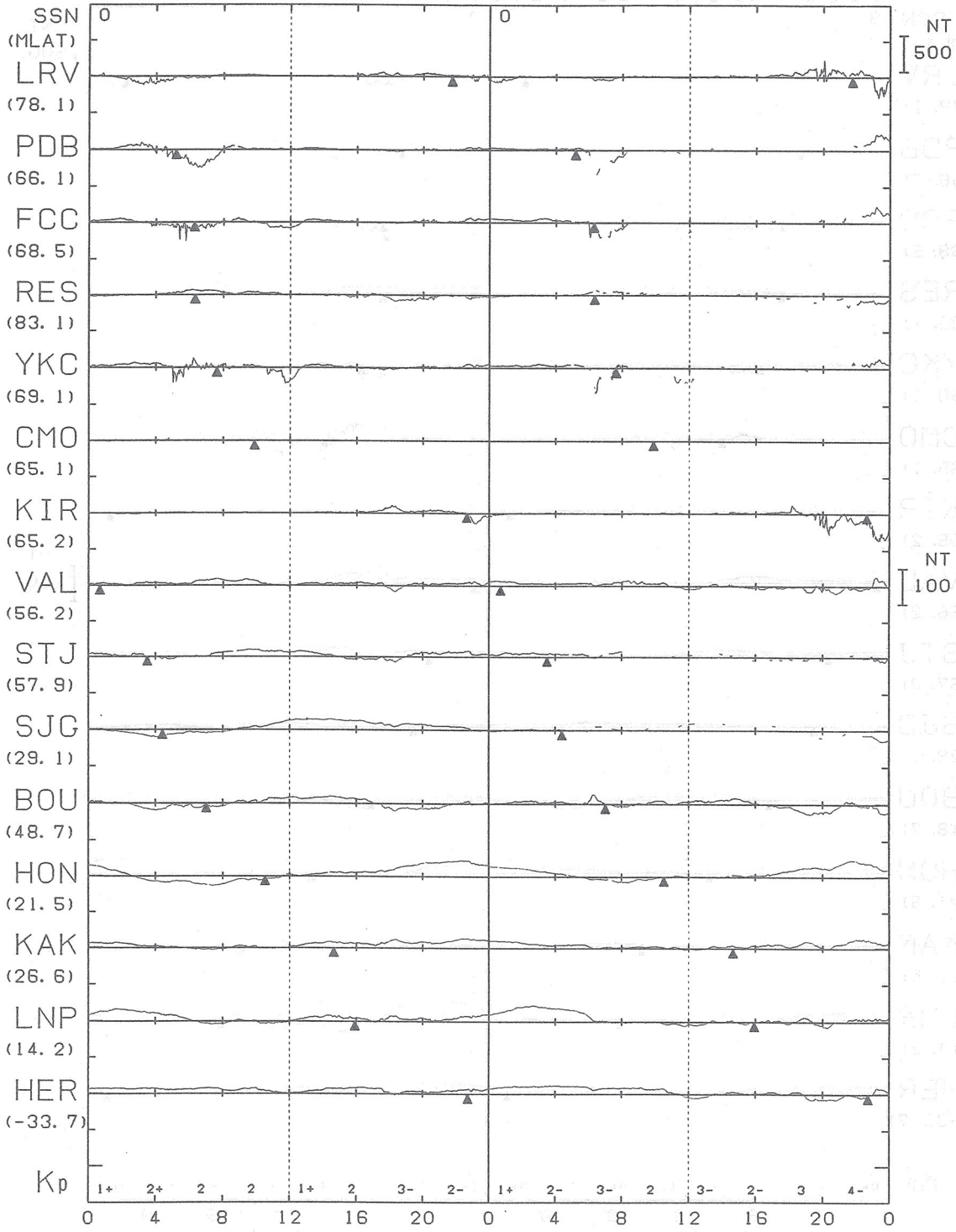


MAR 7
(DAY 67)

MAR 8
(DAY 68)

* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

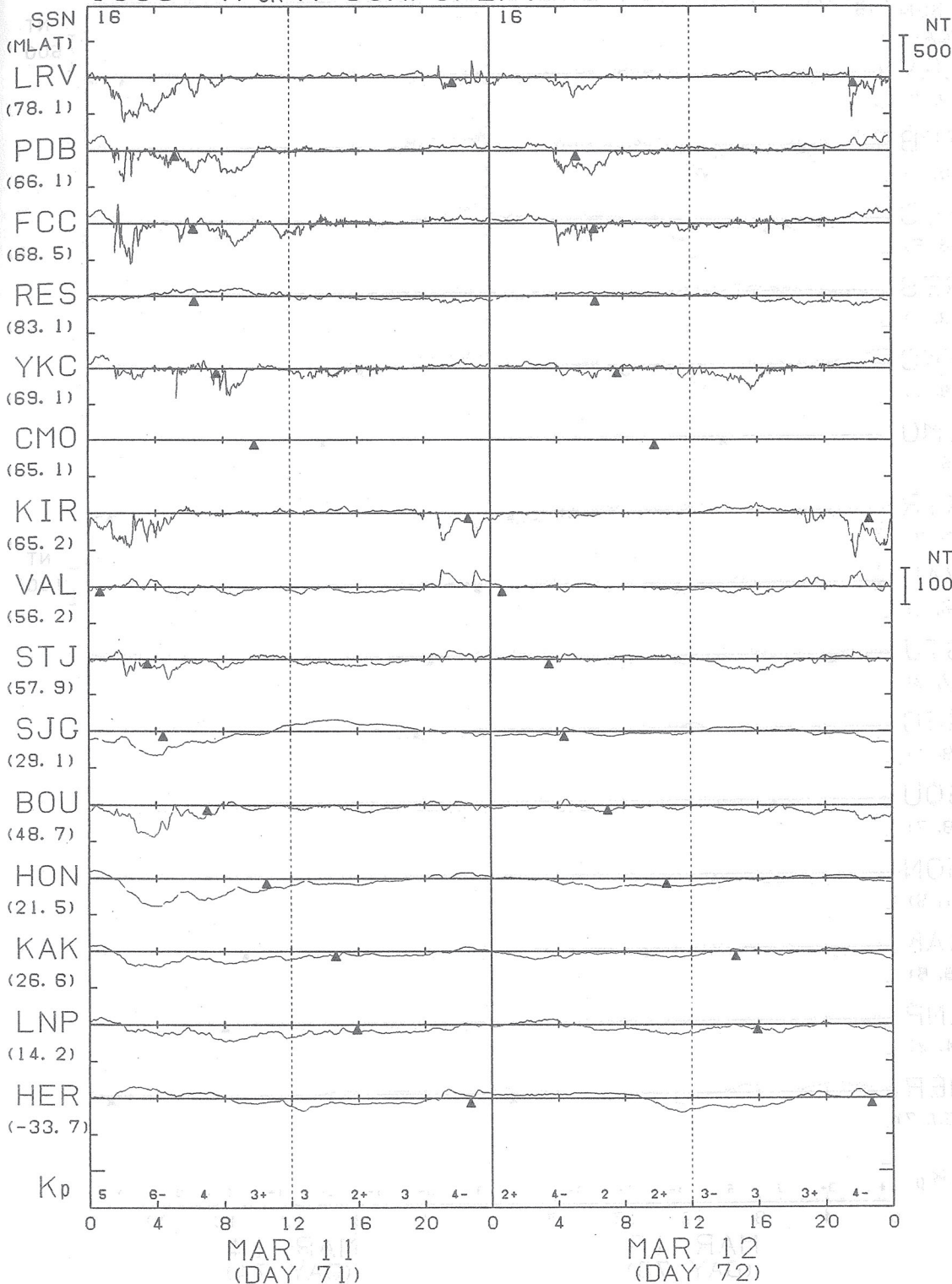


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1996 H OR X-COMPONENT

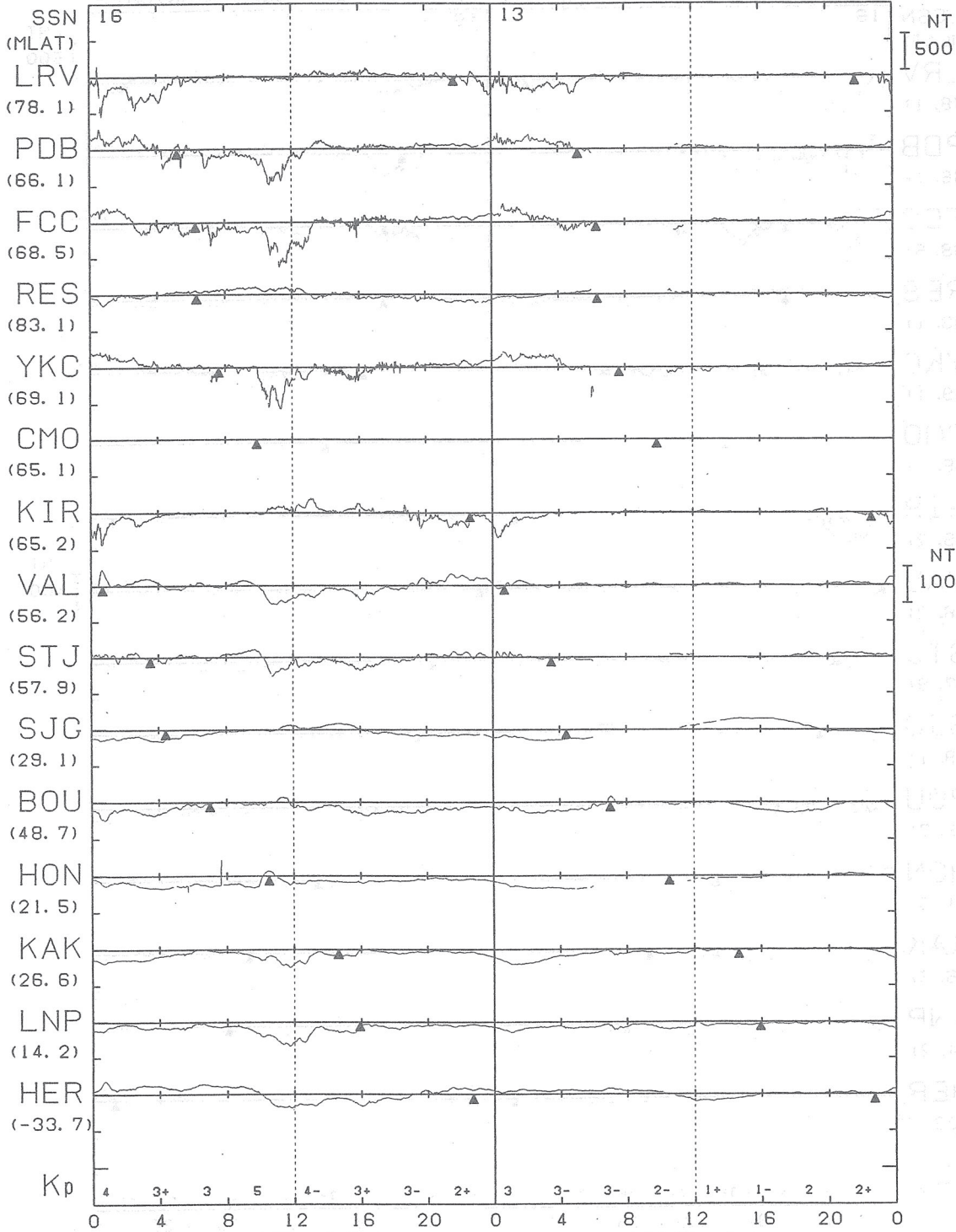
▲ : LOCAL MIDNIGHT



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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

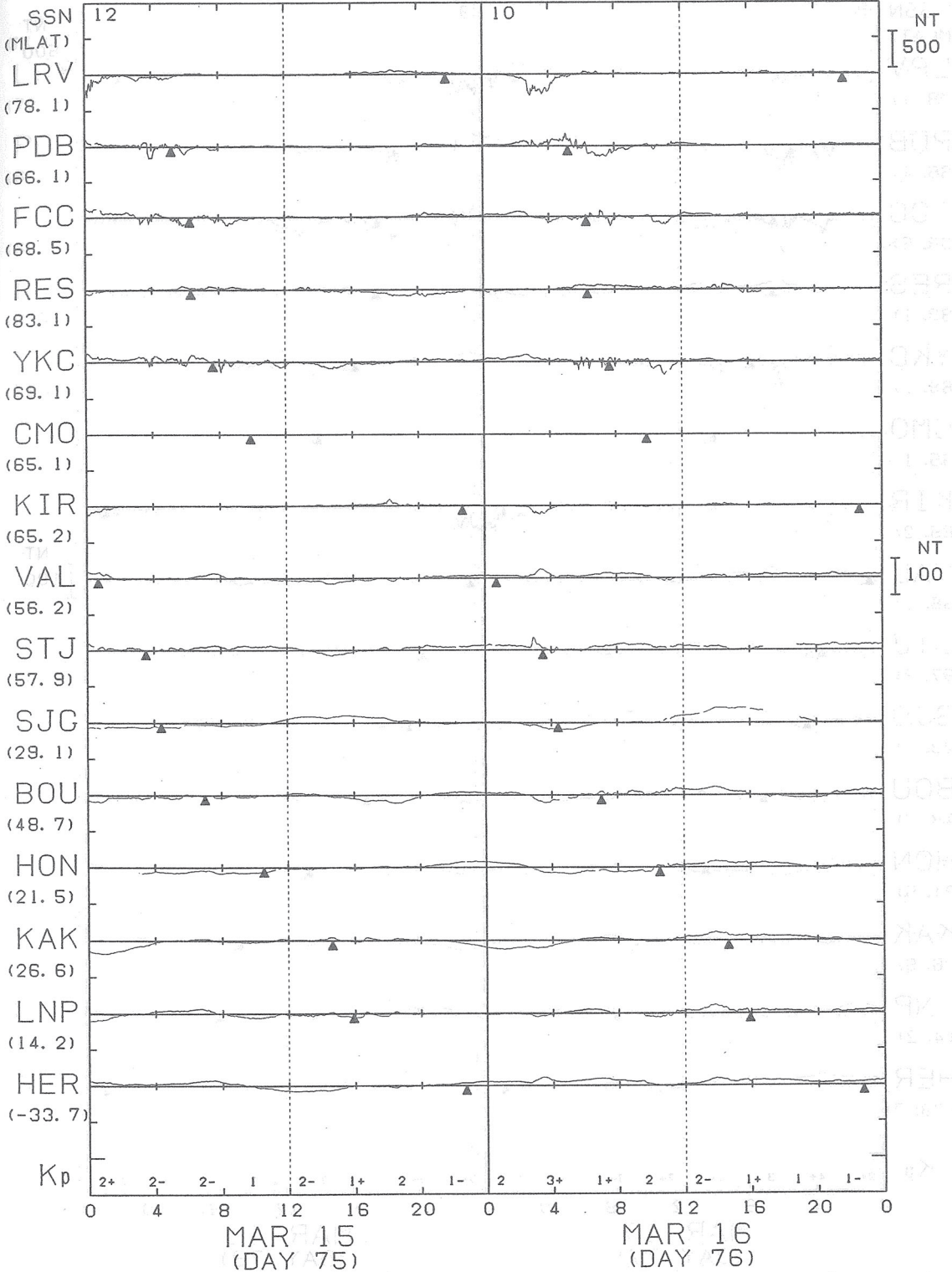


MAR 13 (DAY 73) MAR 14 (DAY 74)

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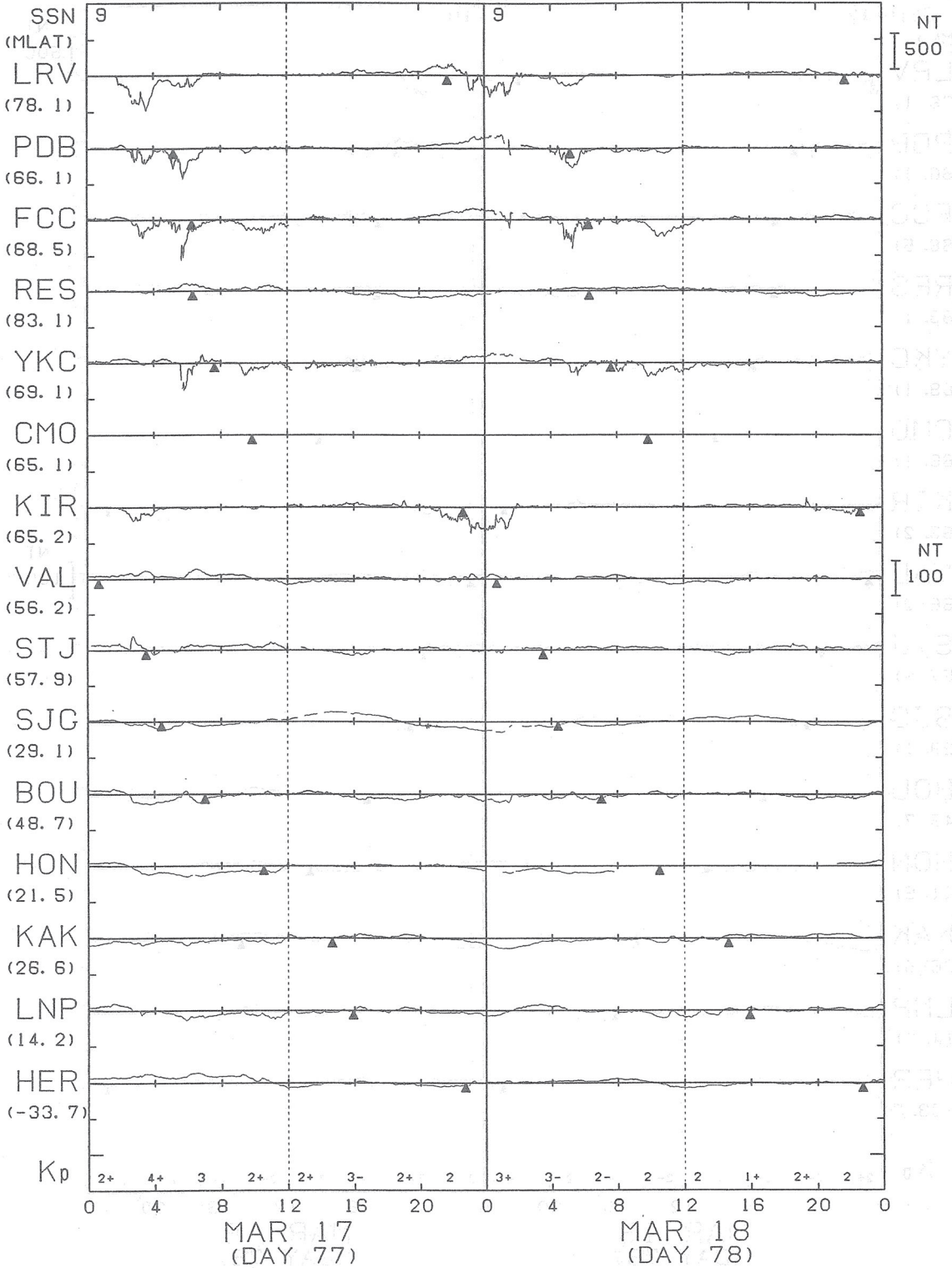
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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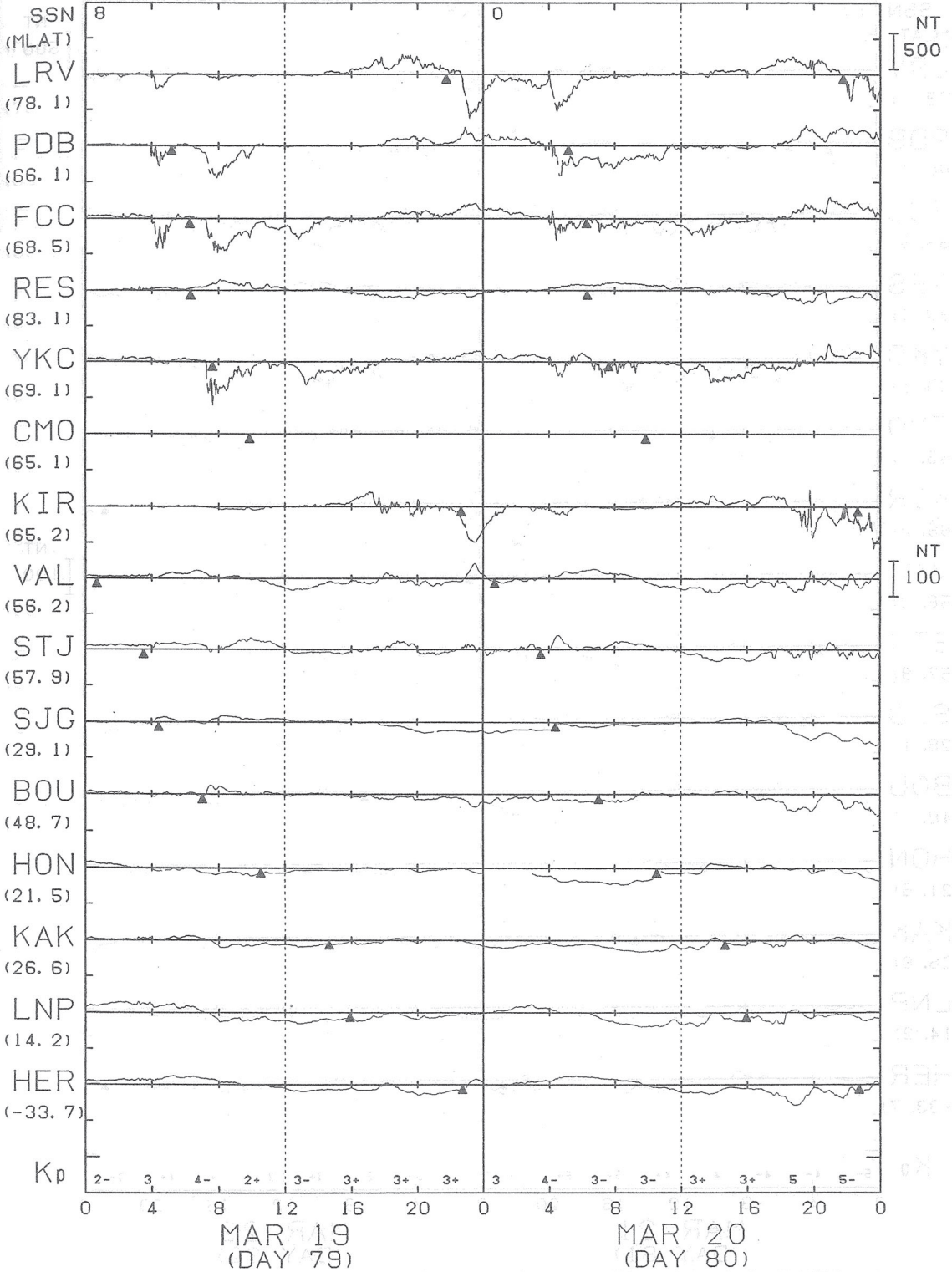
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

1996 H OR X-COMPONENT

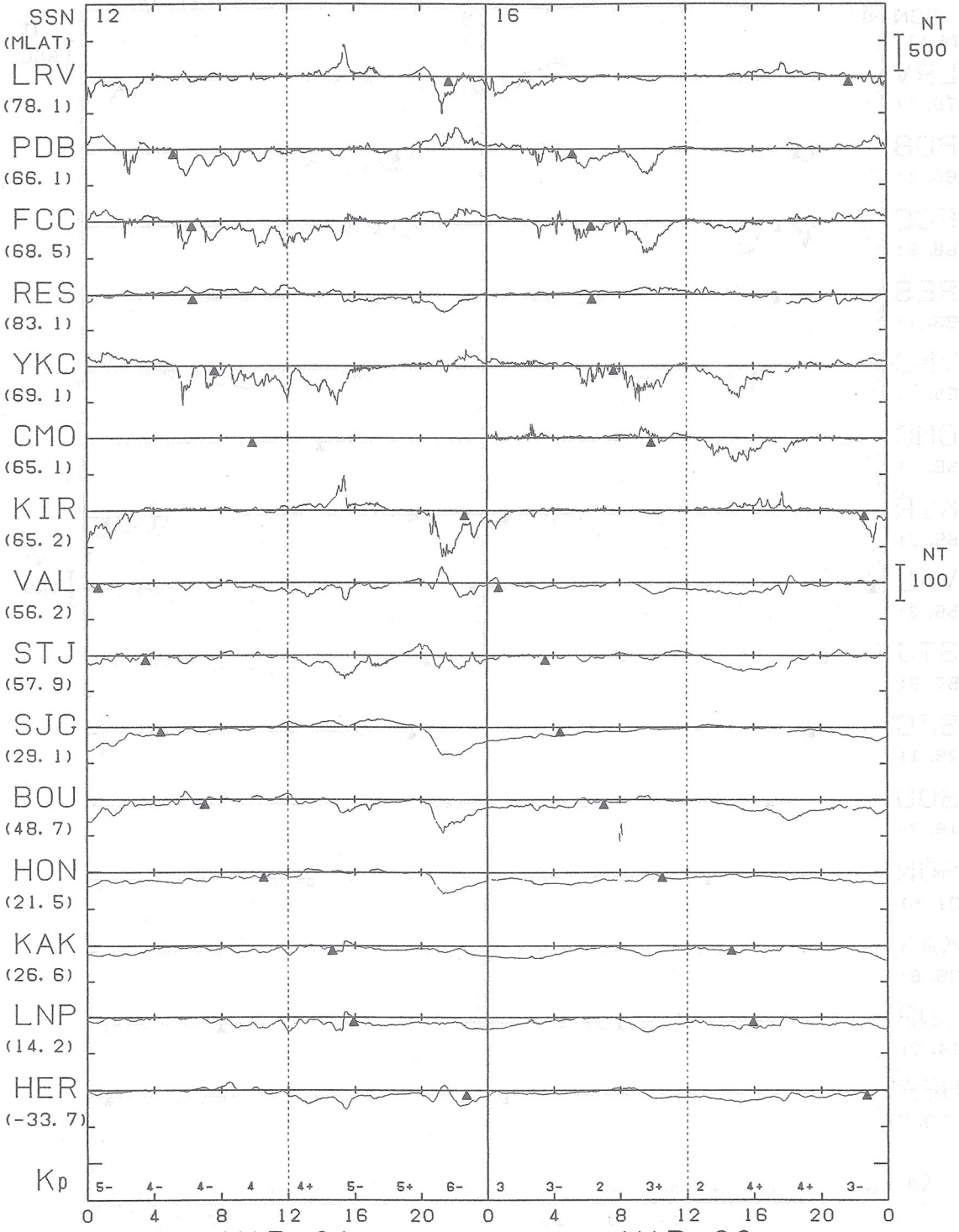
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

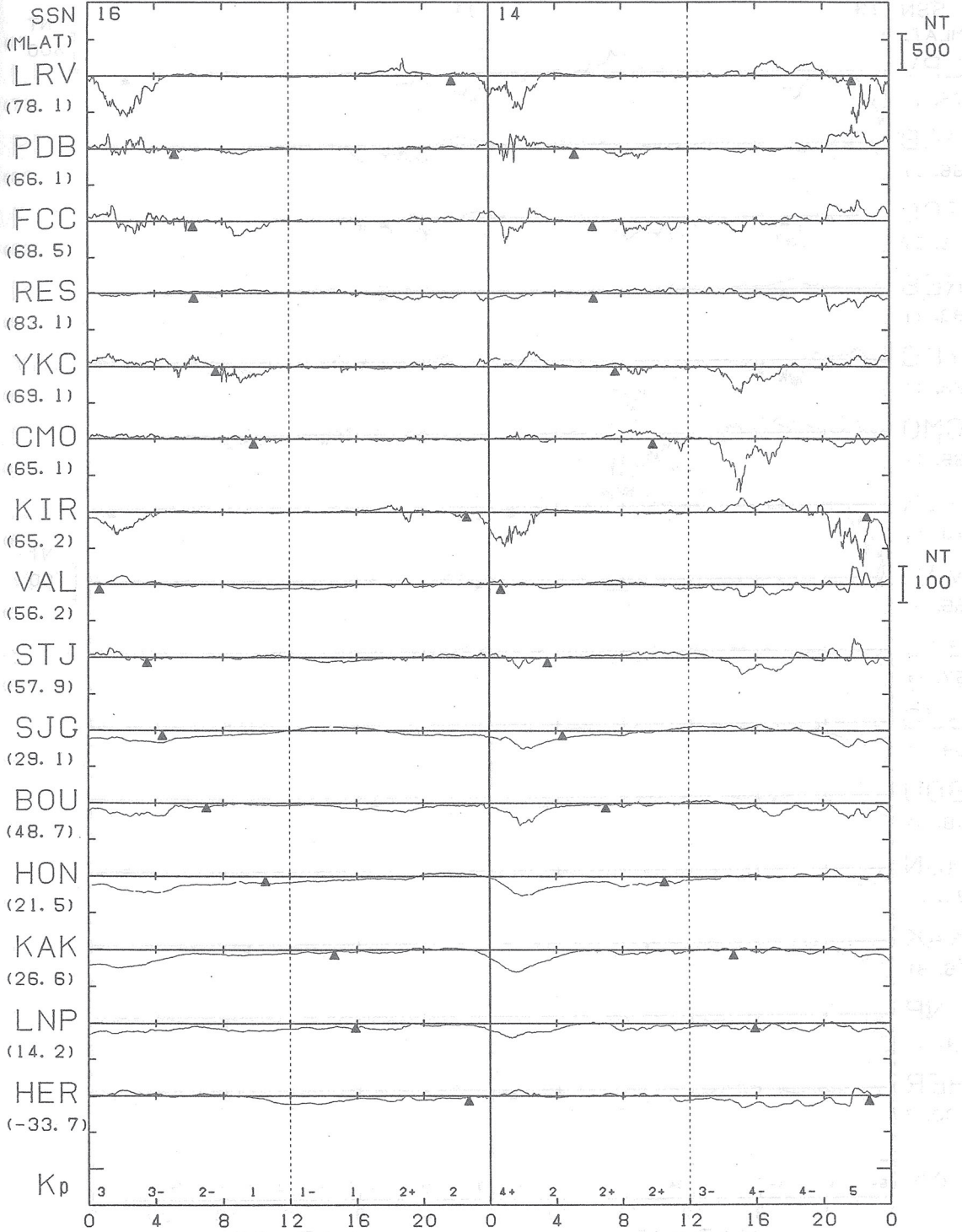


MAR 21 (DAY 81) MAR 22 (DAY 82)

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

KYOTO UNIV.

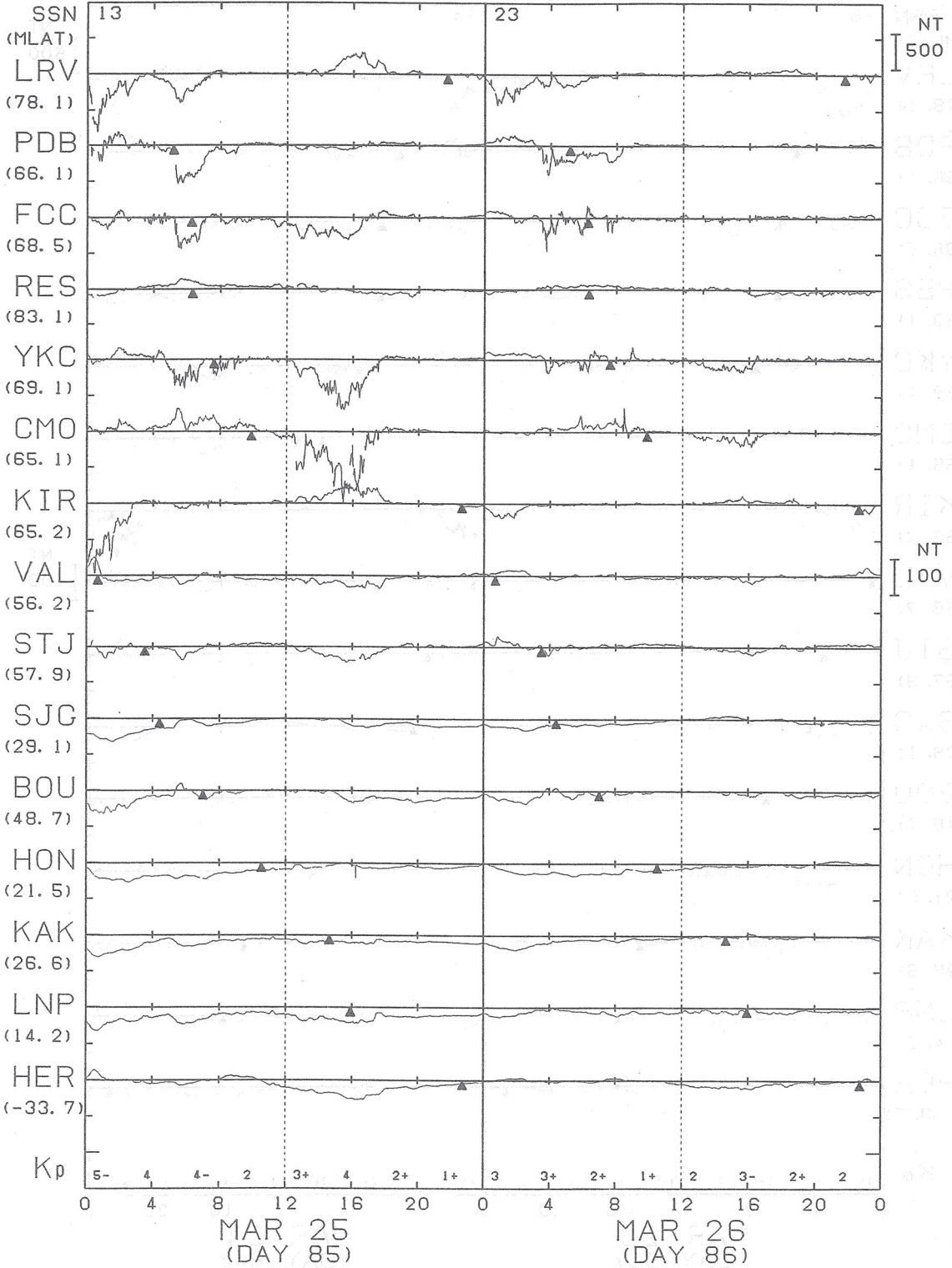
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

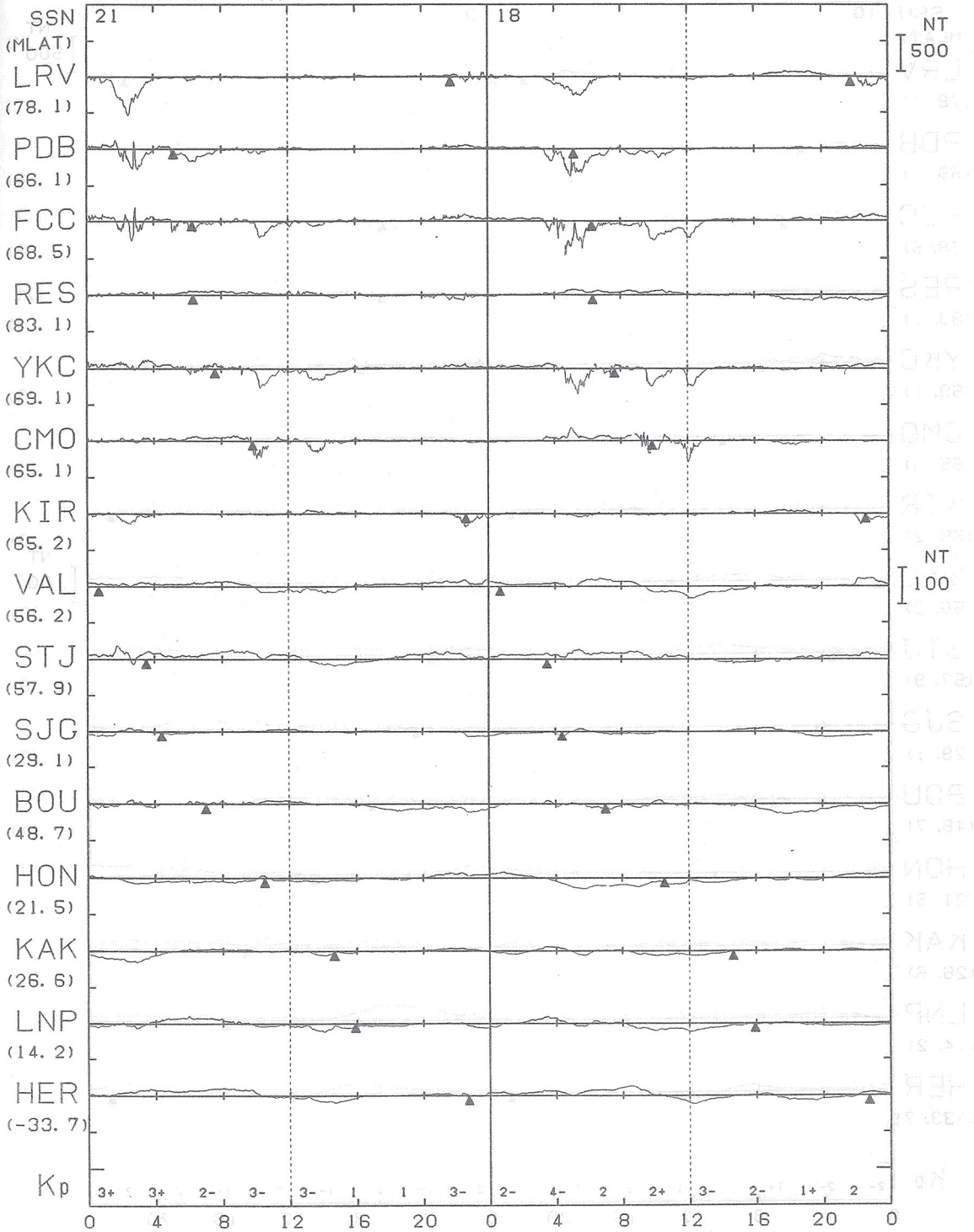
KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



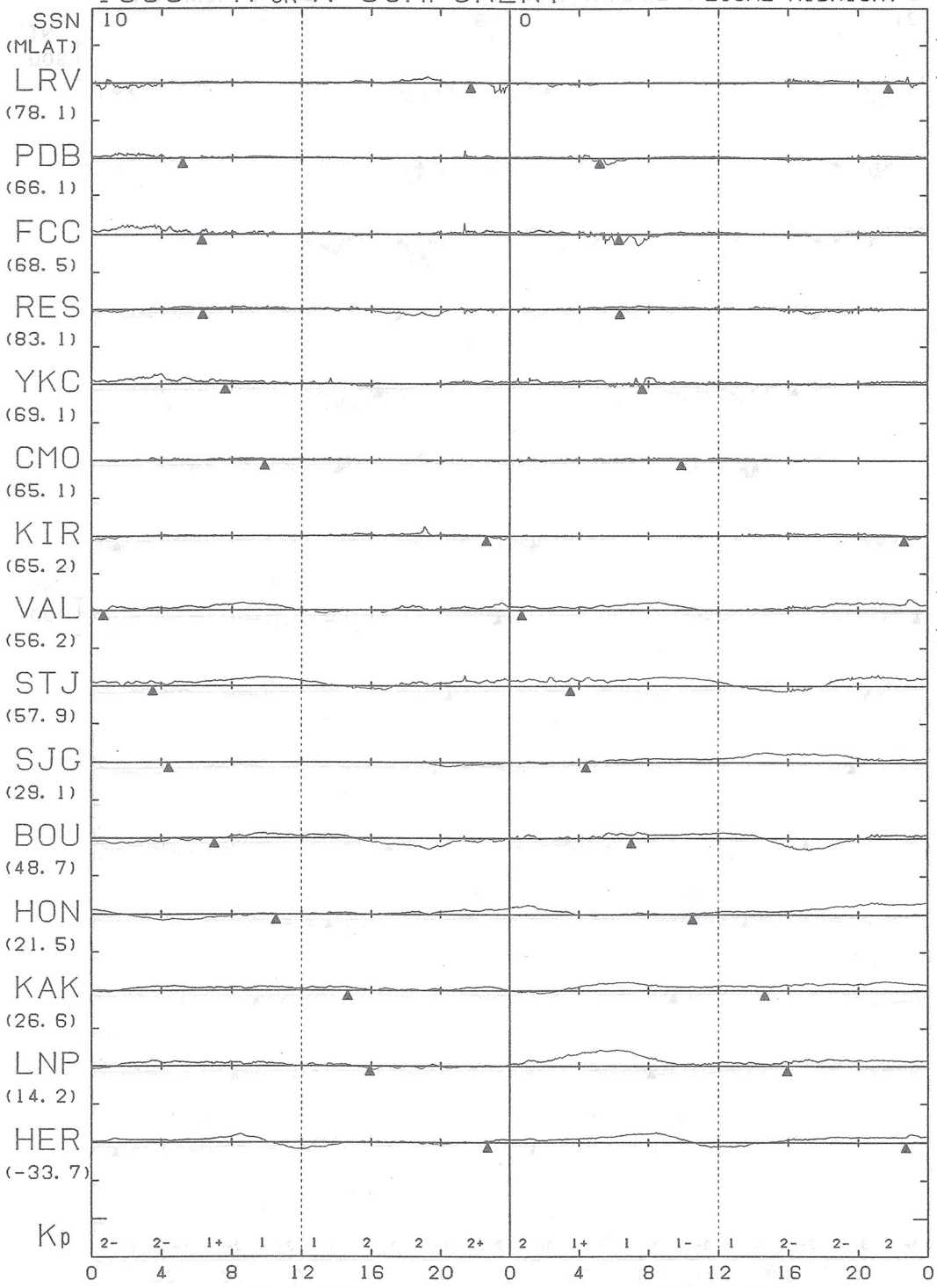
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



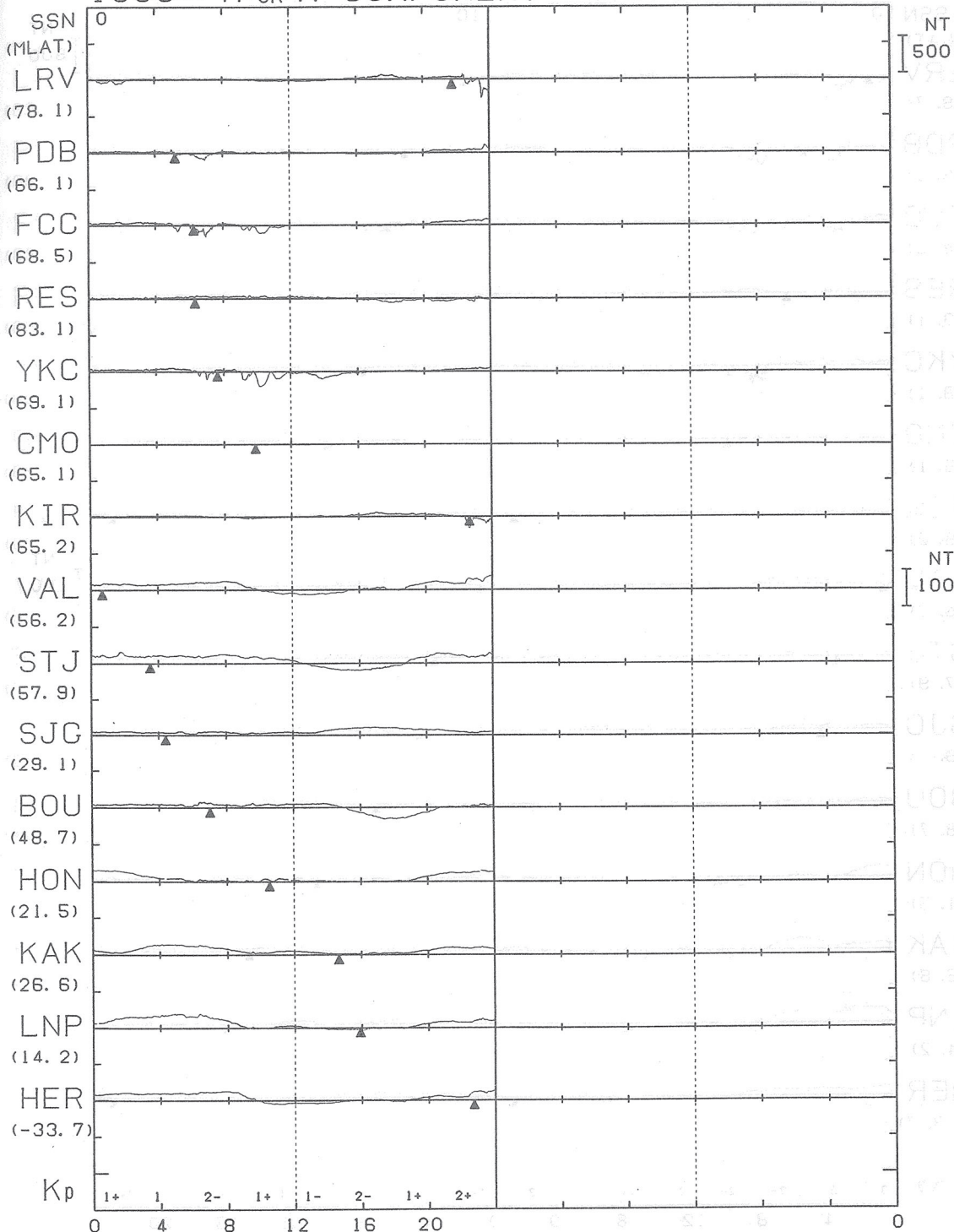
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

1996 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.

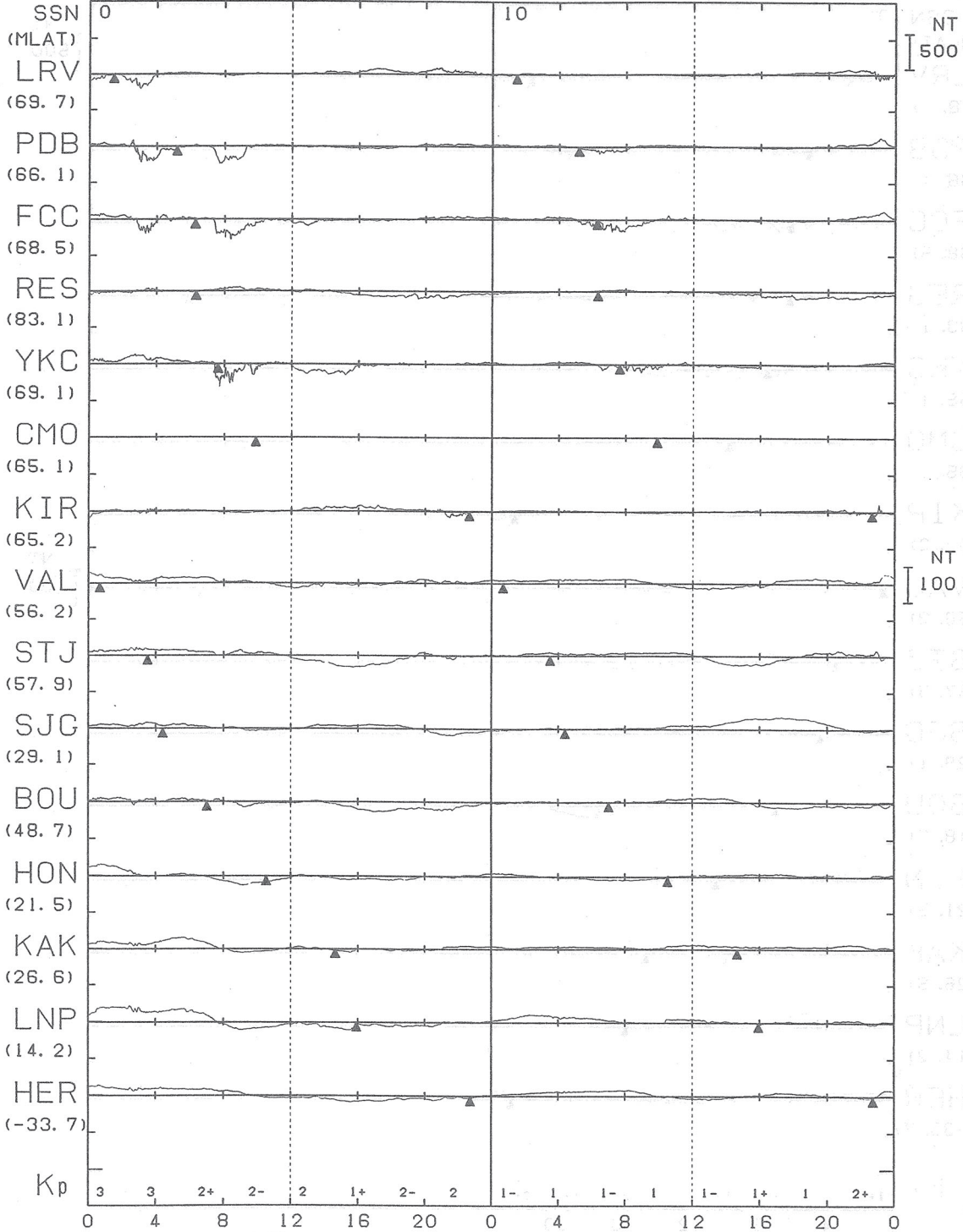
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



MAR 31
(DAY 91)

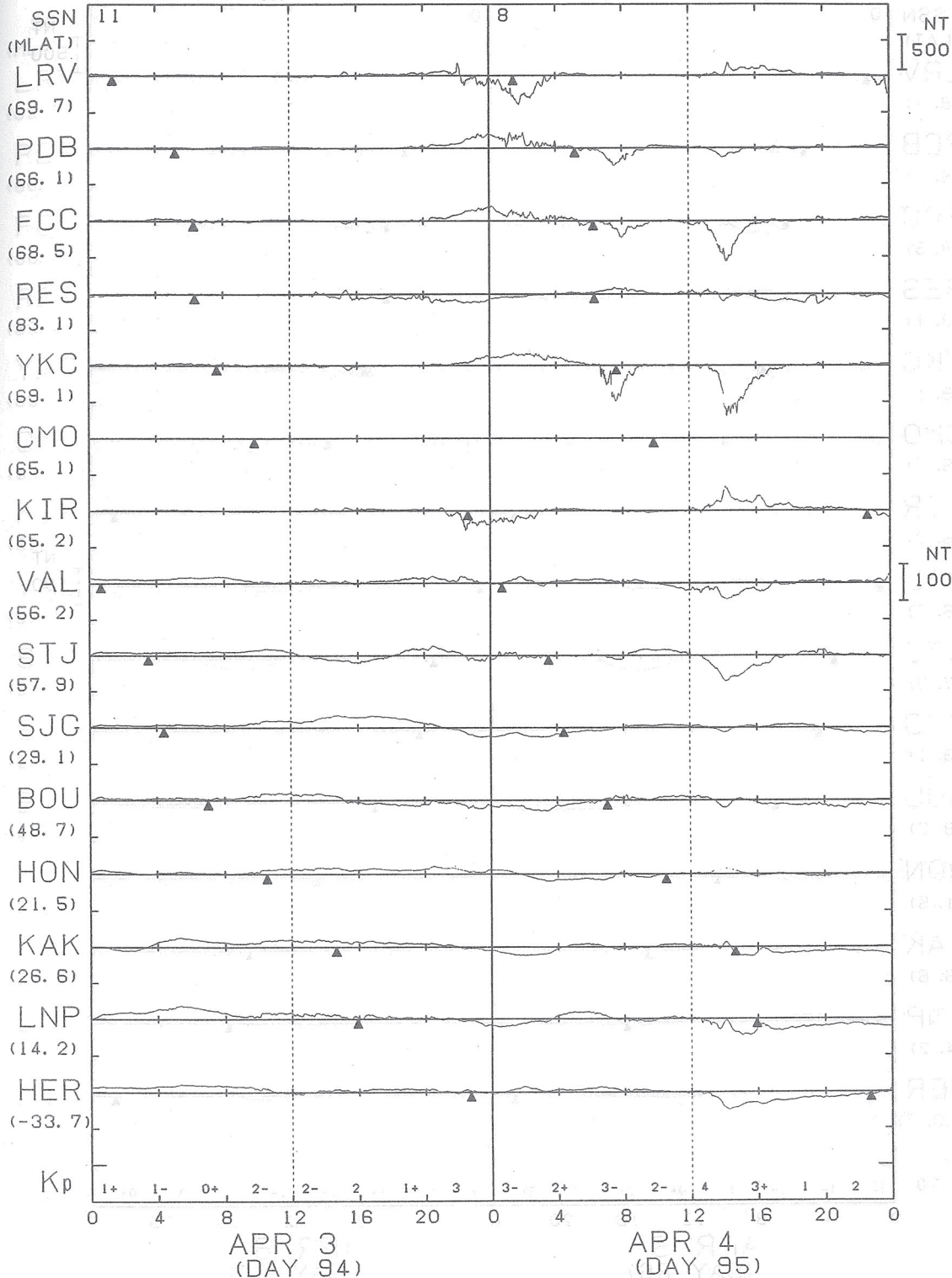
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
 KYOTO UNIV.

1996 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.

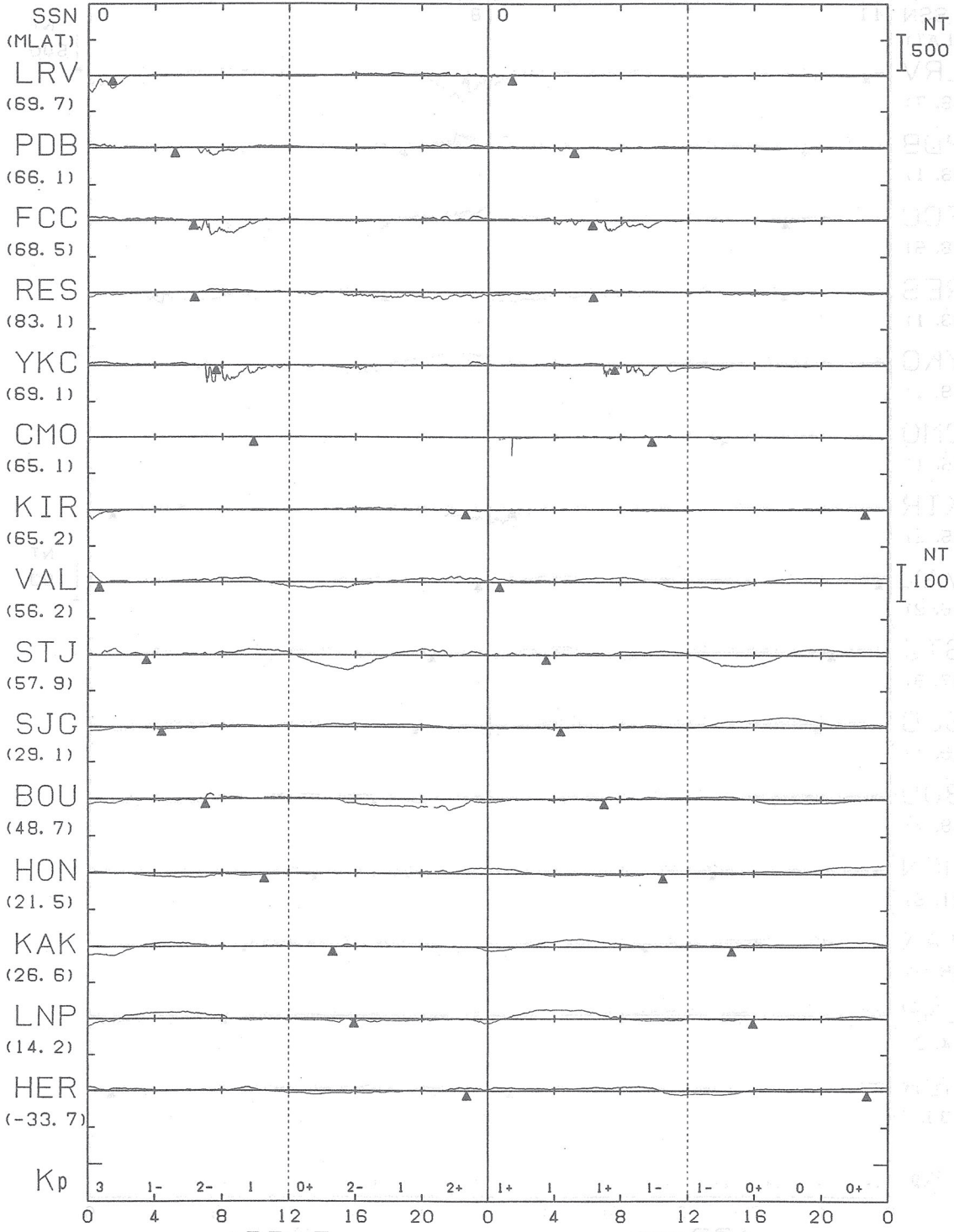
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

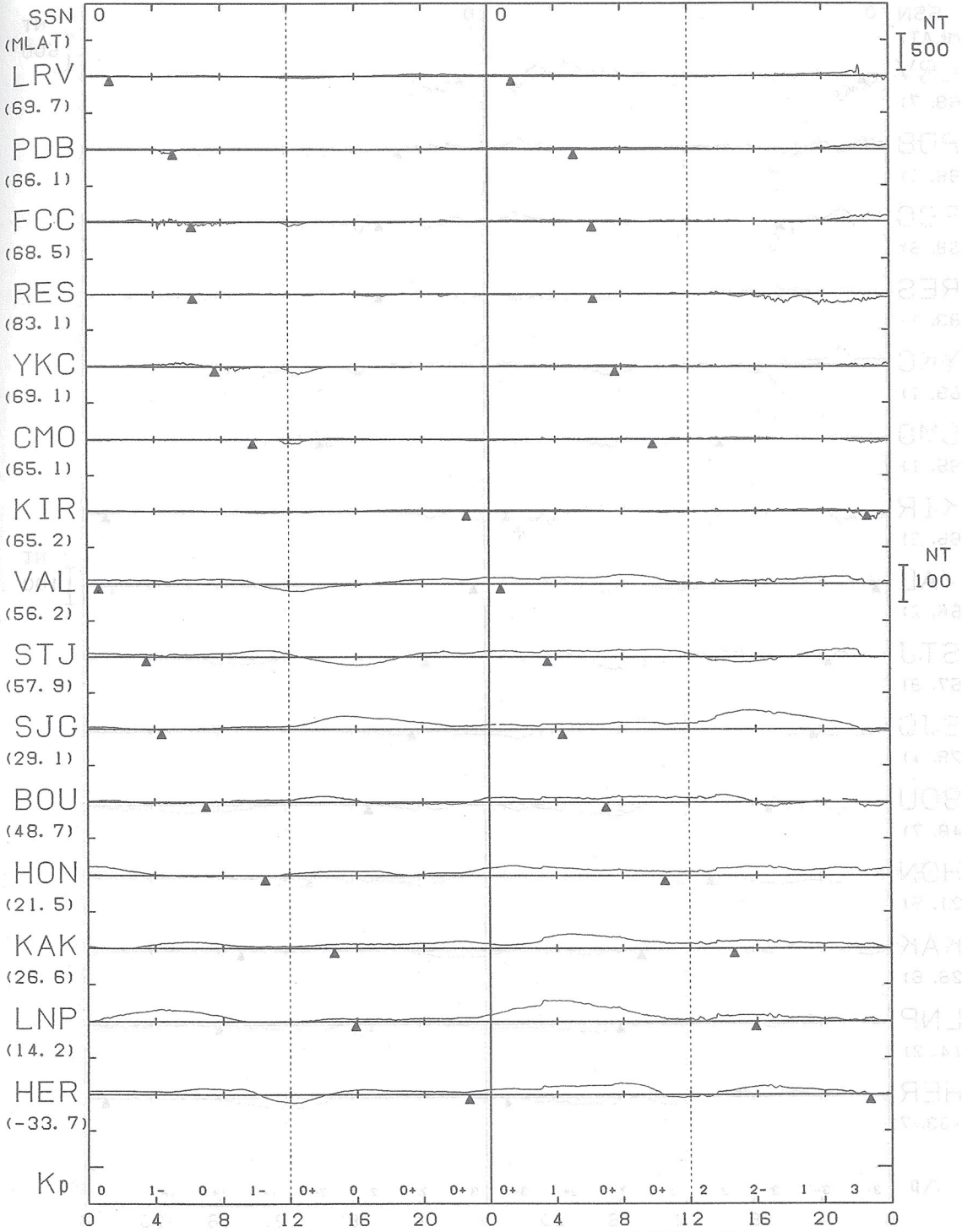
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

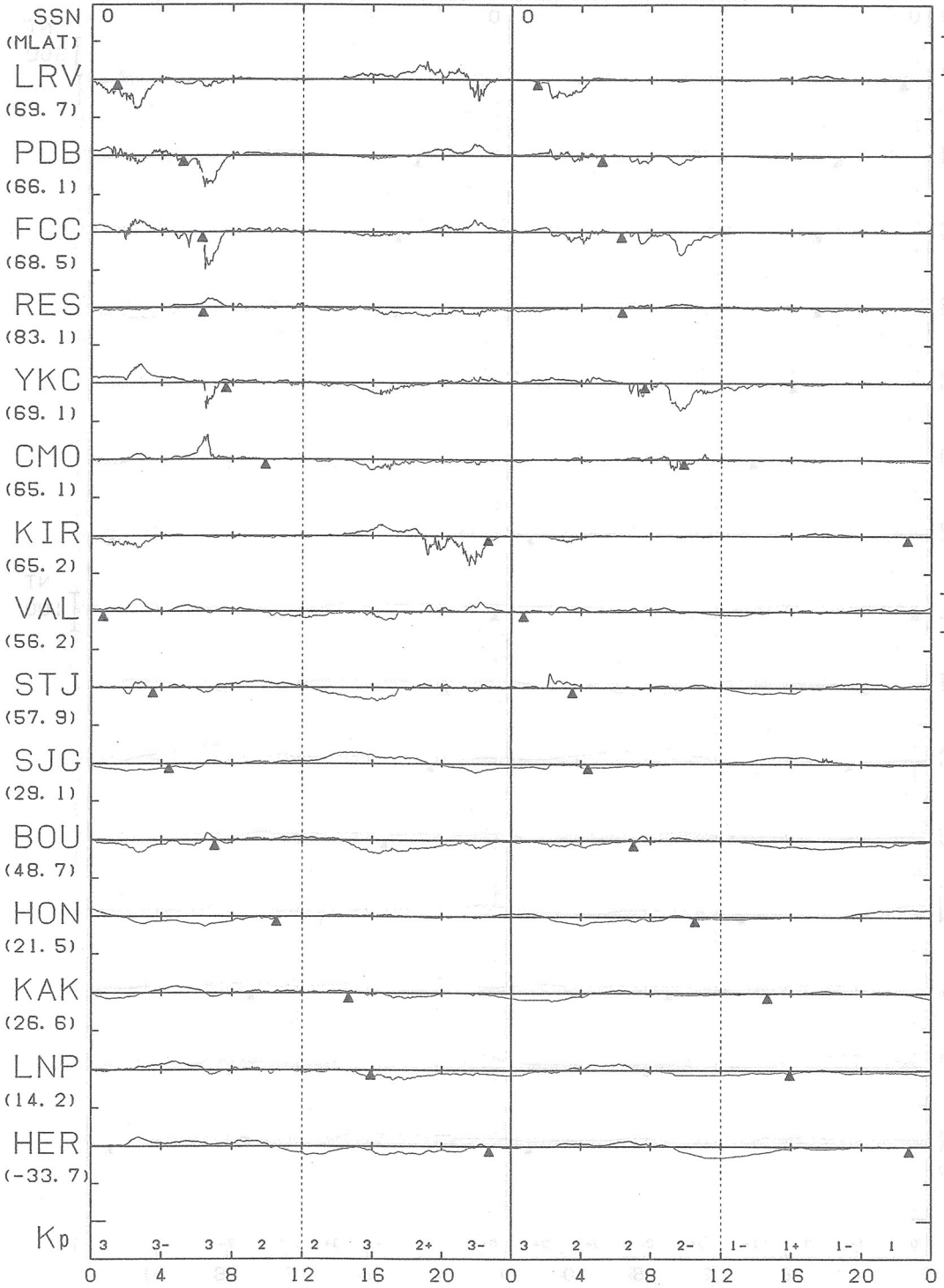


APR 7 (DAY 98) APR 8 (DAY 99)

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

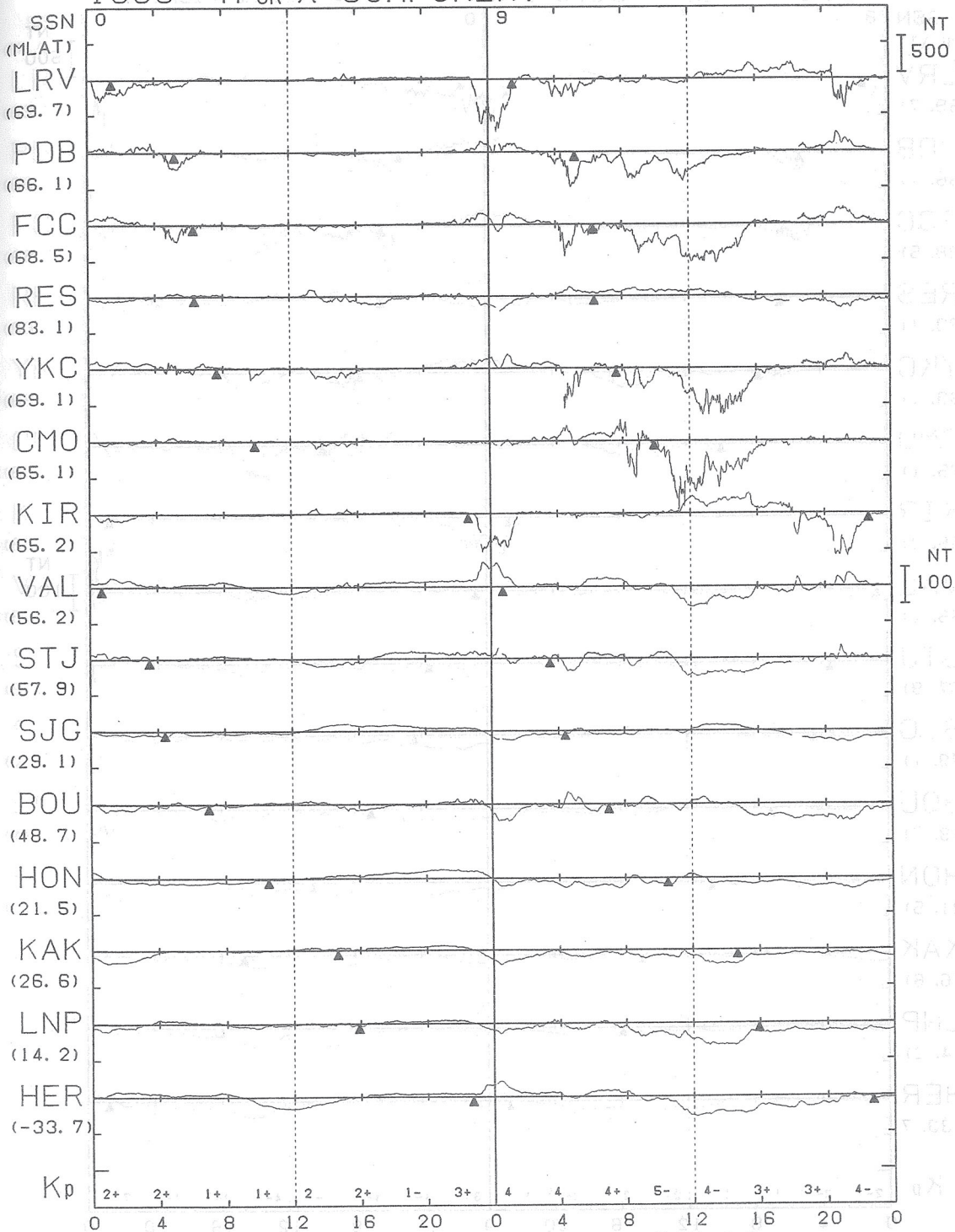
KYOTO UNIV.

1996 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.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

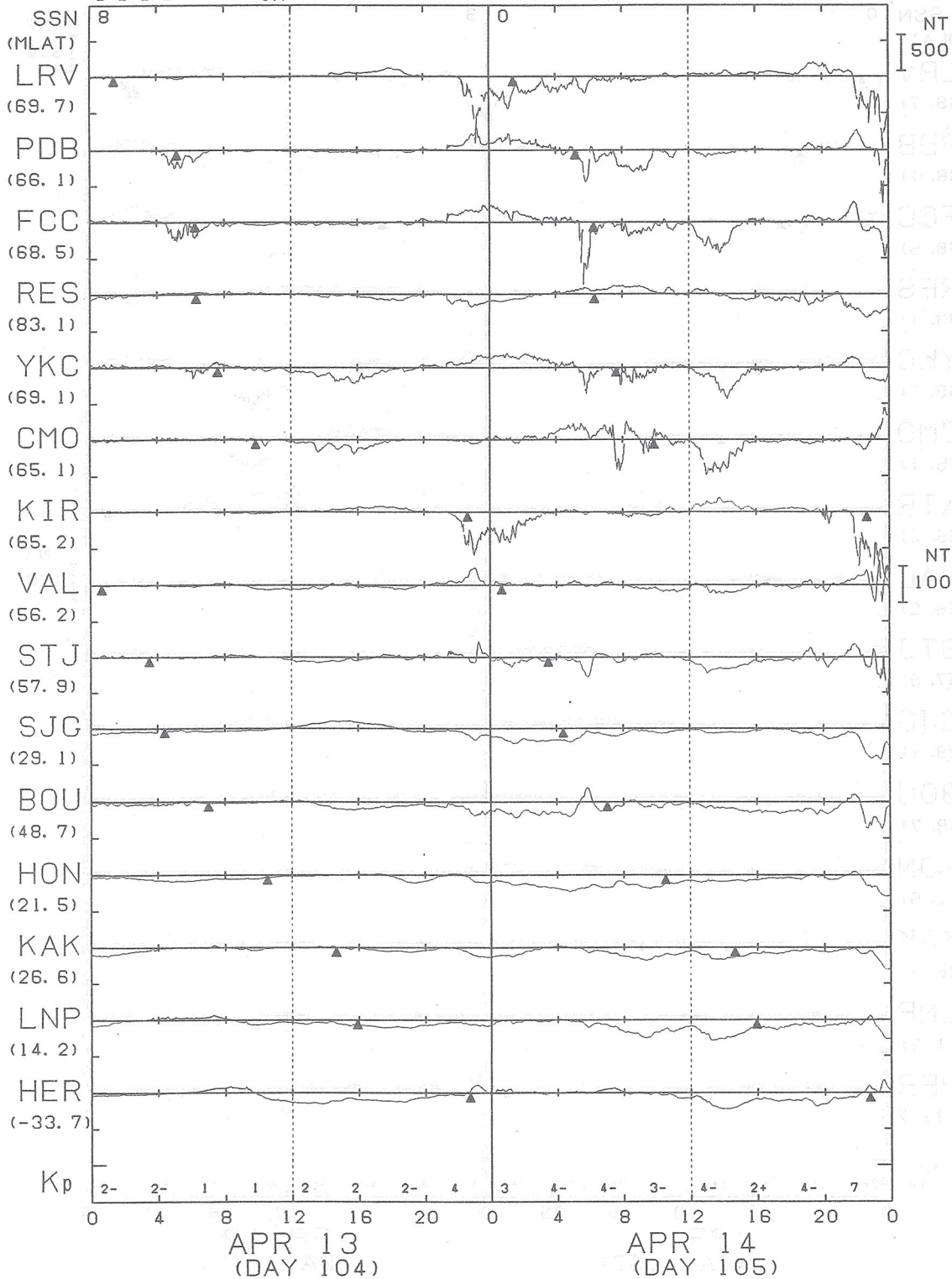


APR 11
(DAY 102)

APR 12
(DAY 103)

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

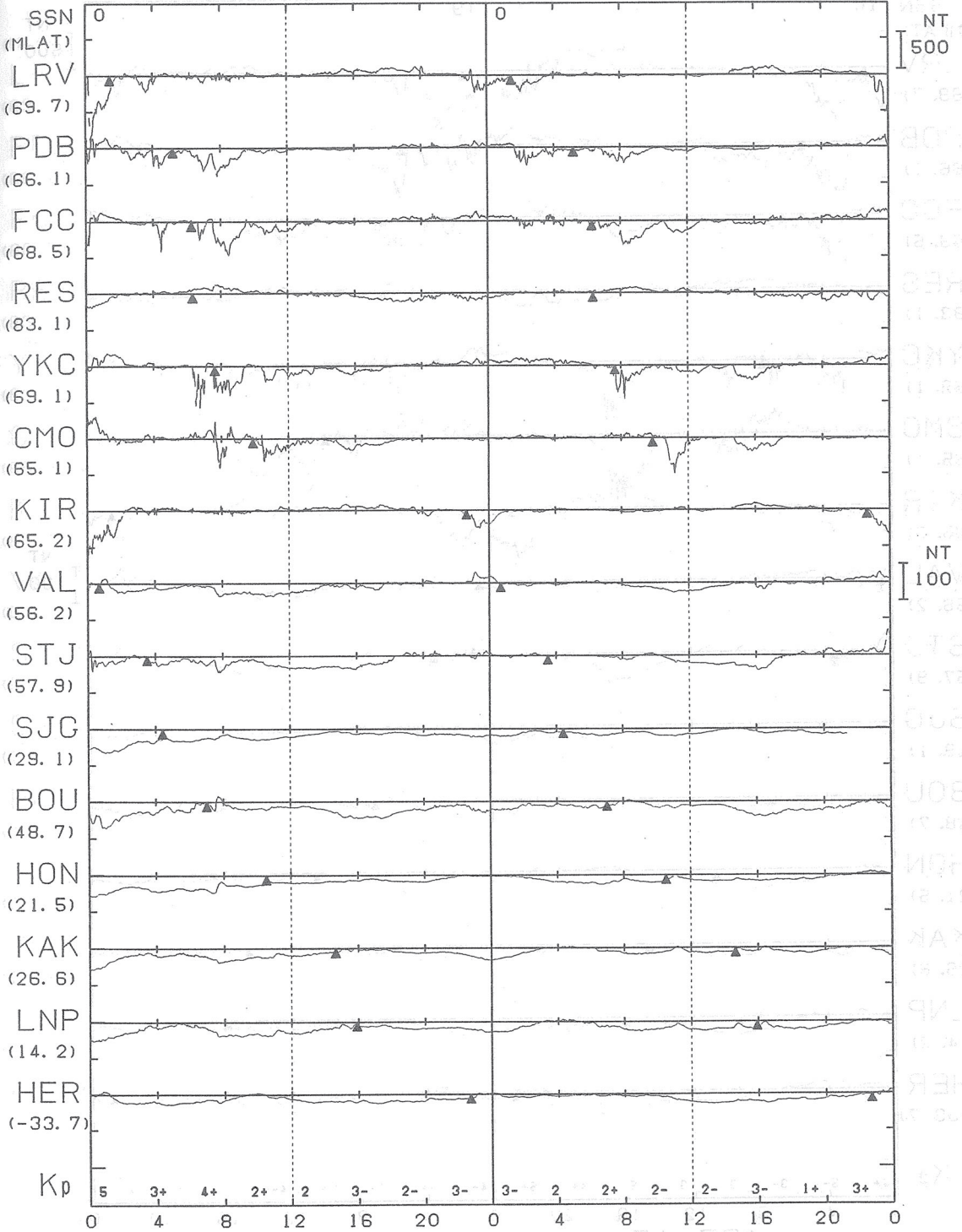
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

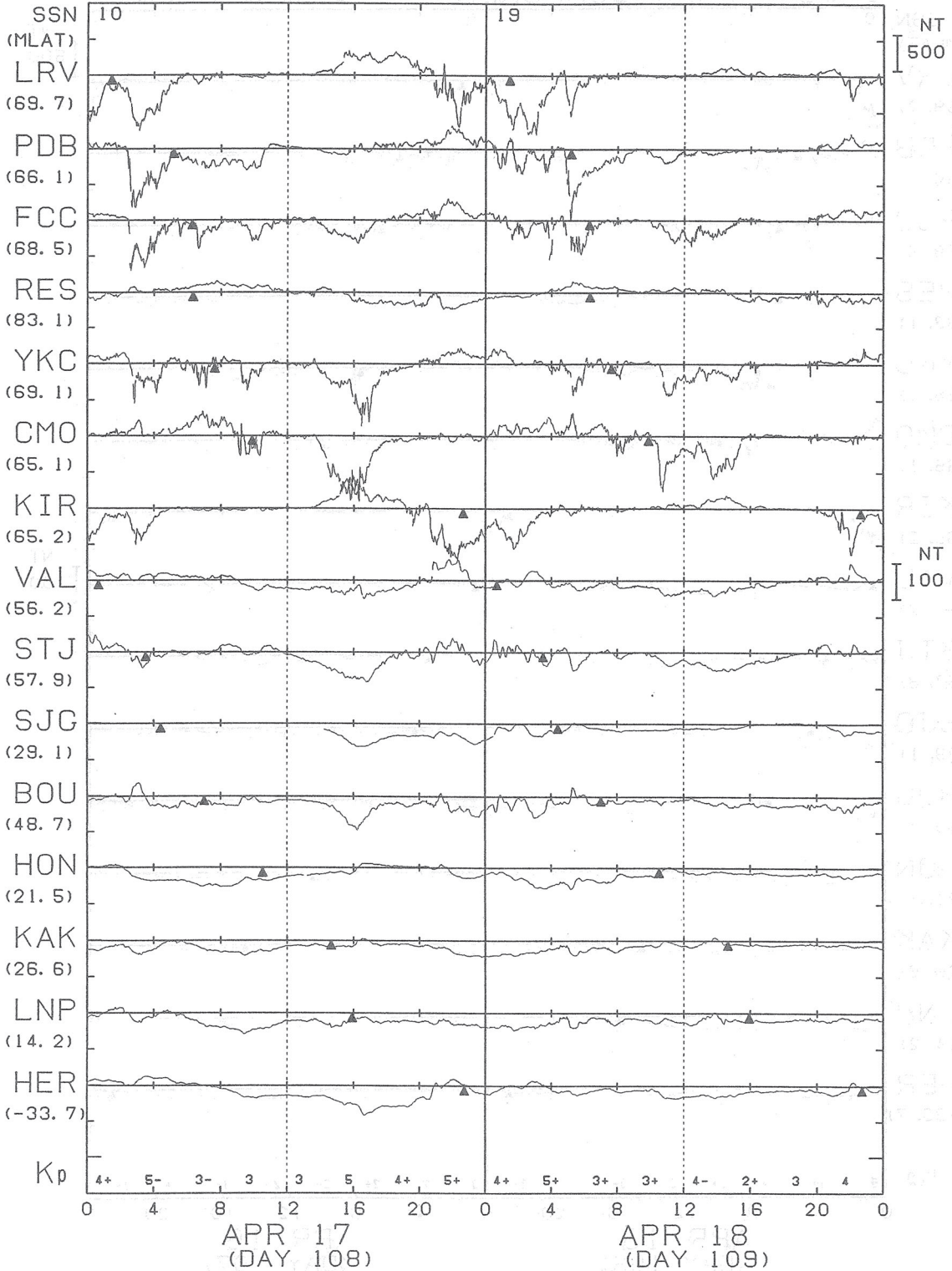
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

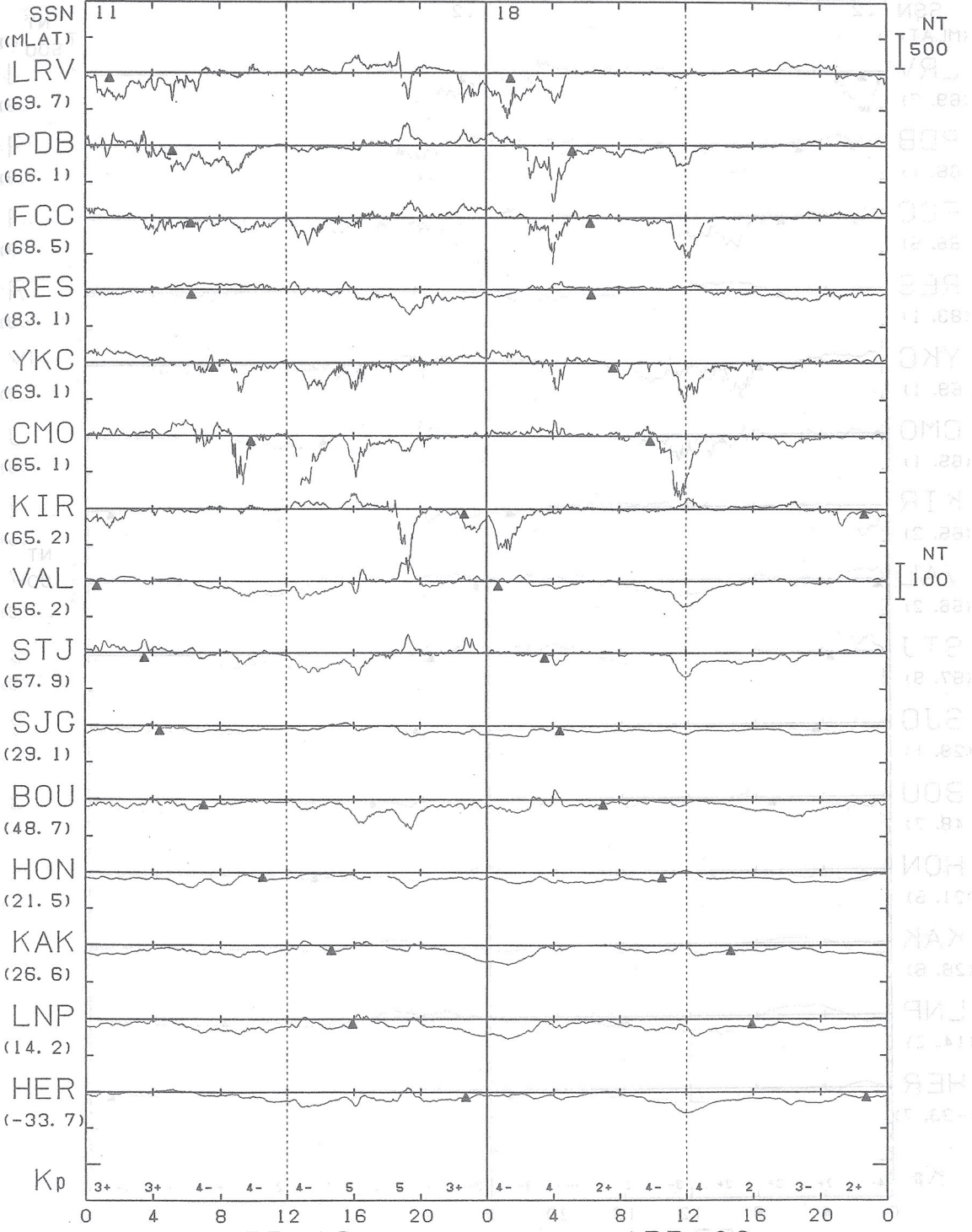
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

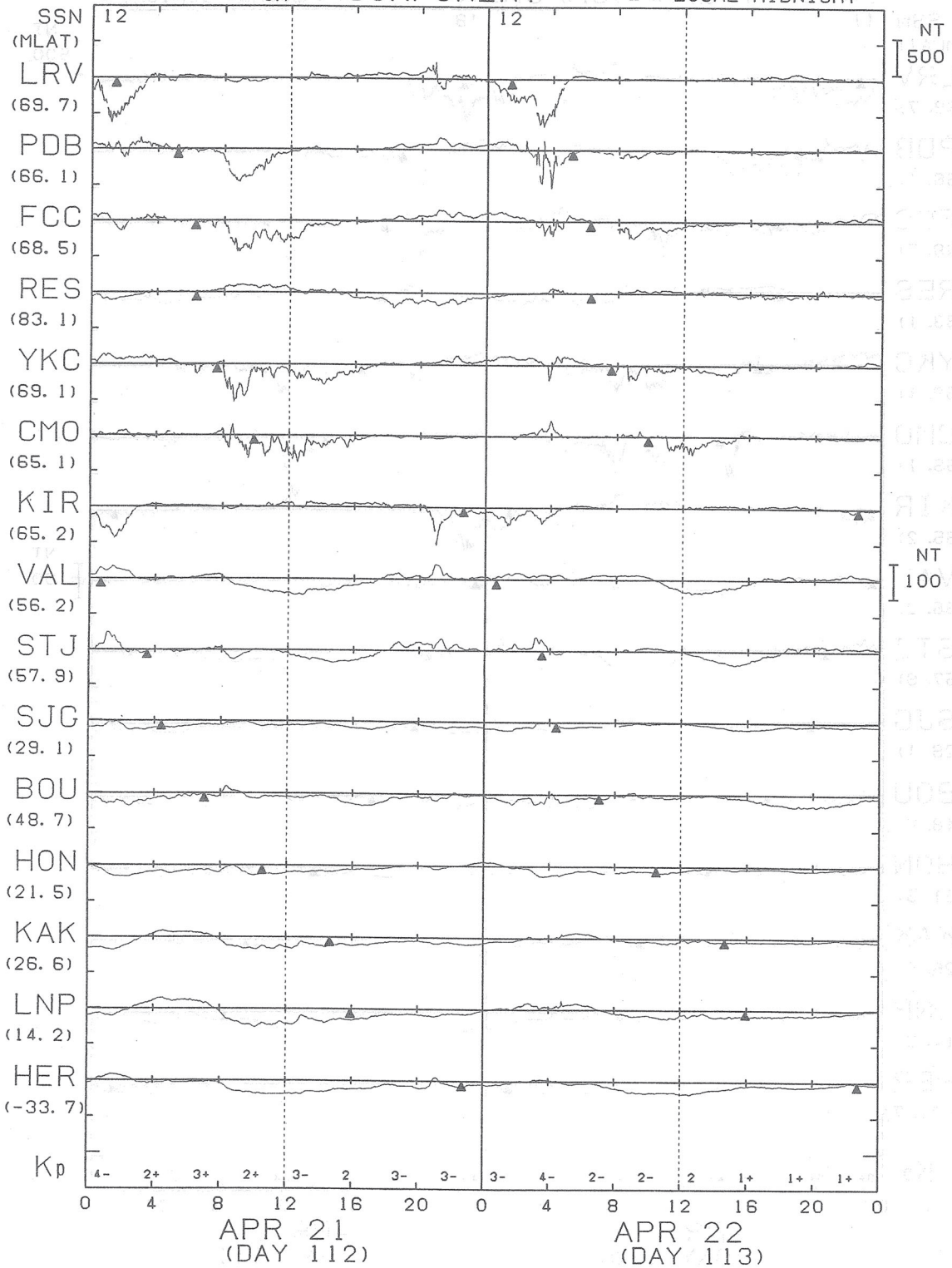
KYOTO UNIV.

1996 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.

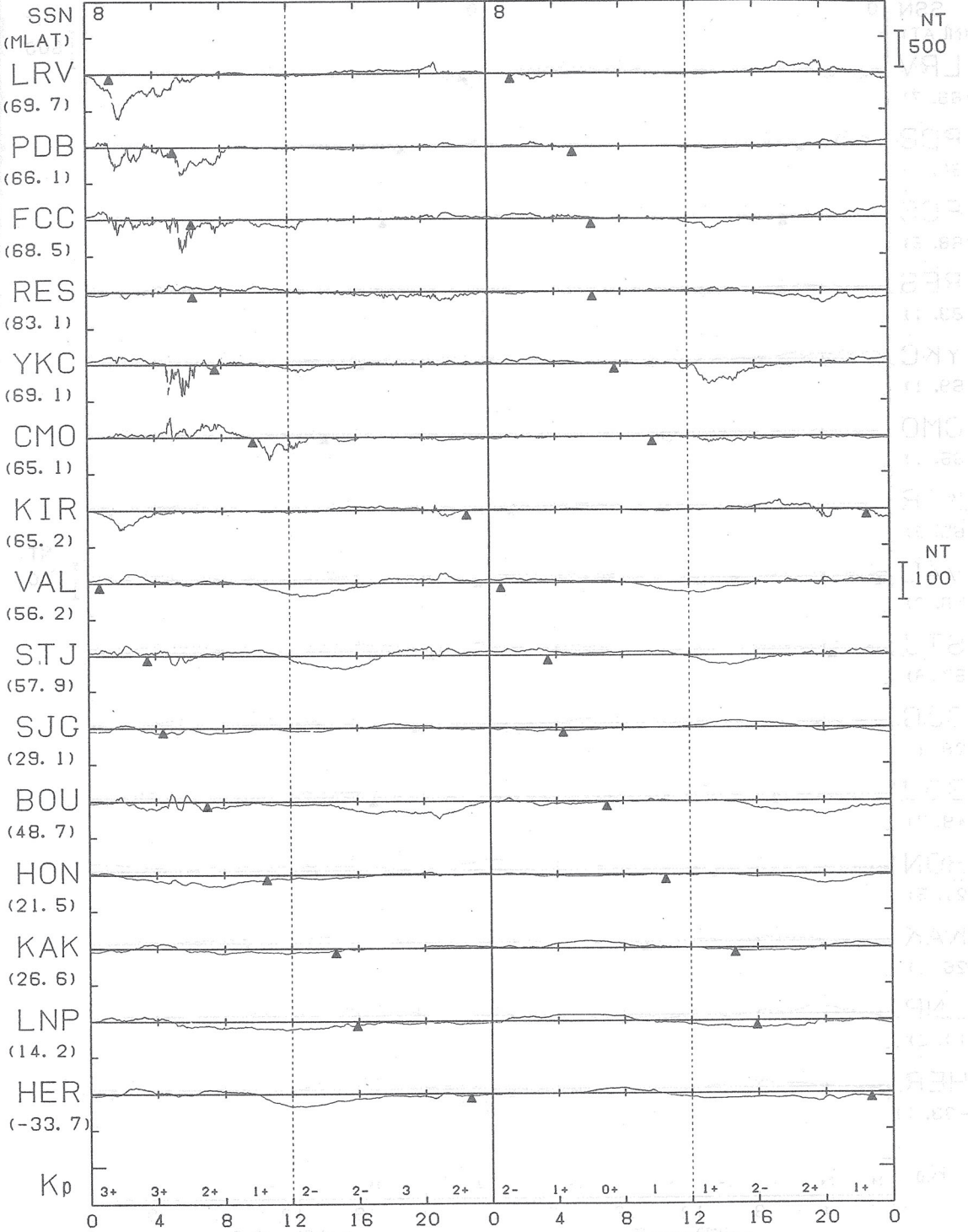
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

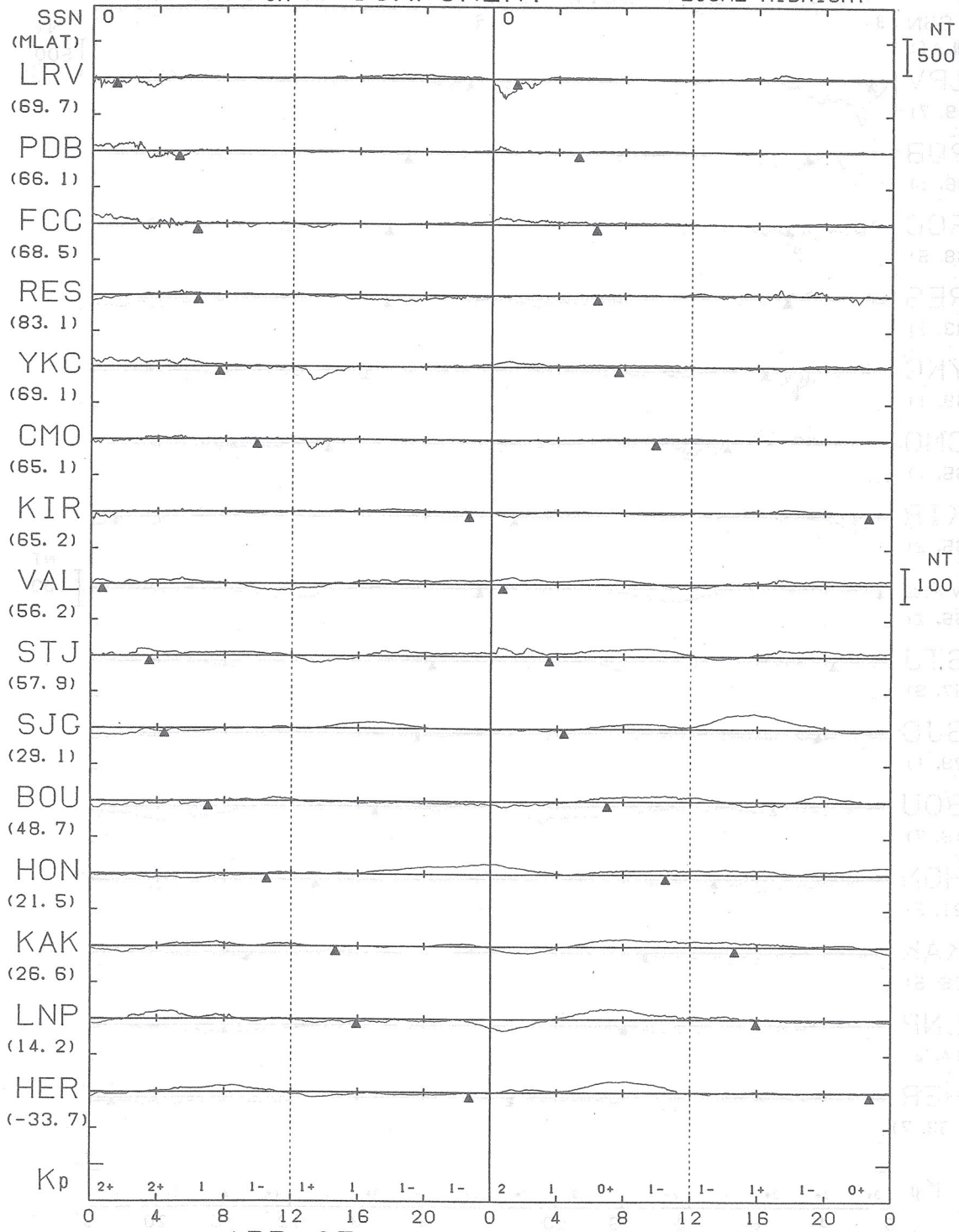
KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



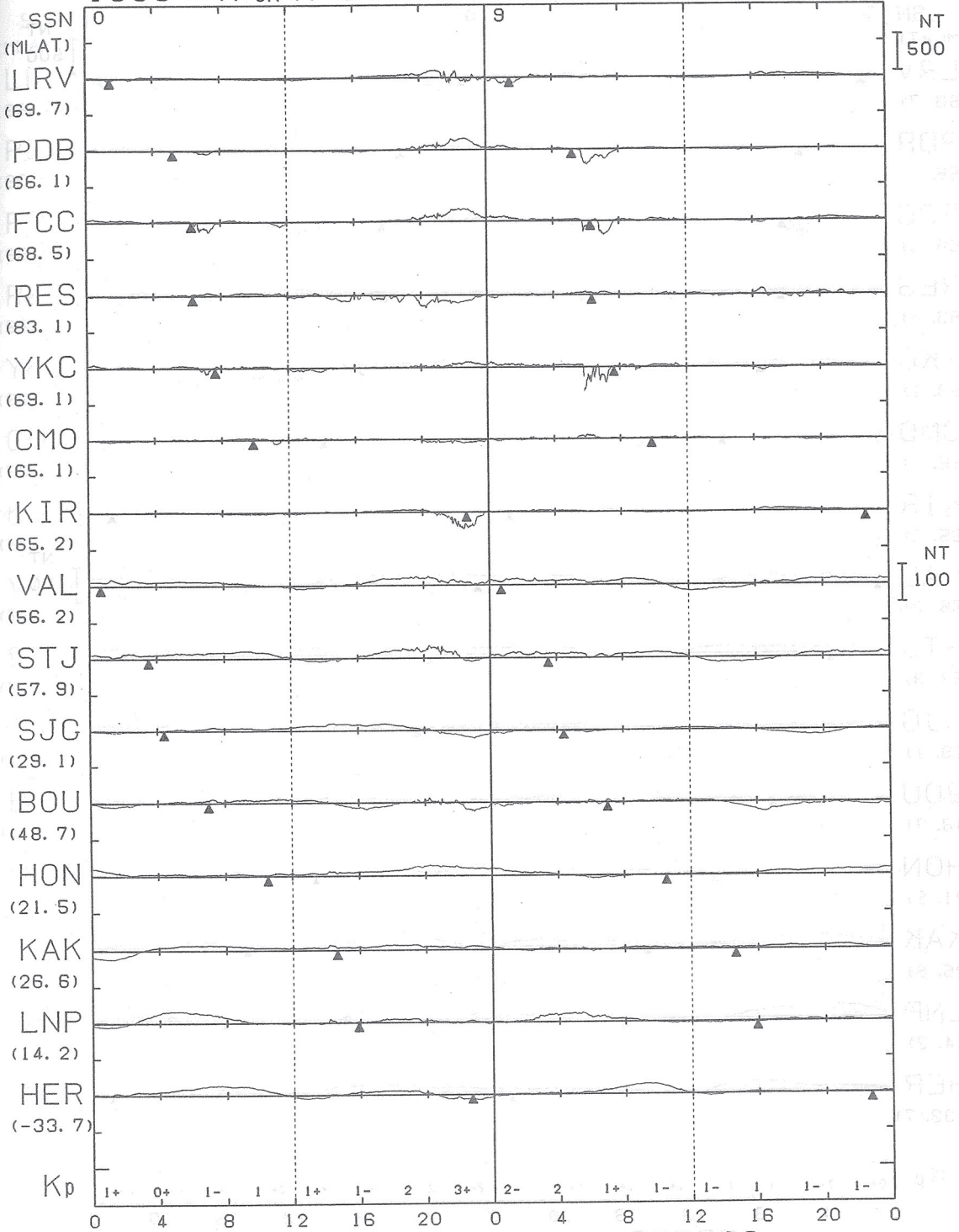
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
 KYOTO UNIV.

1996 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.

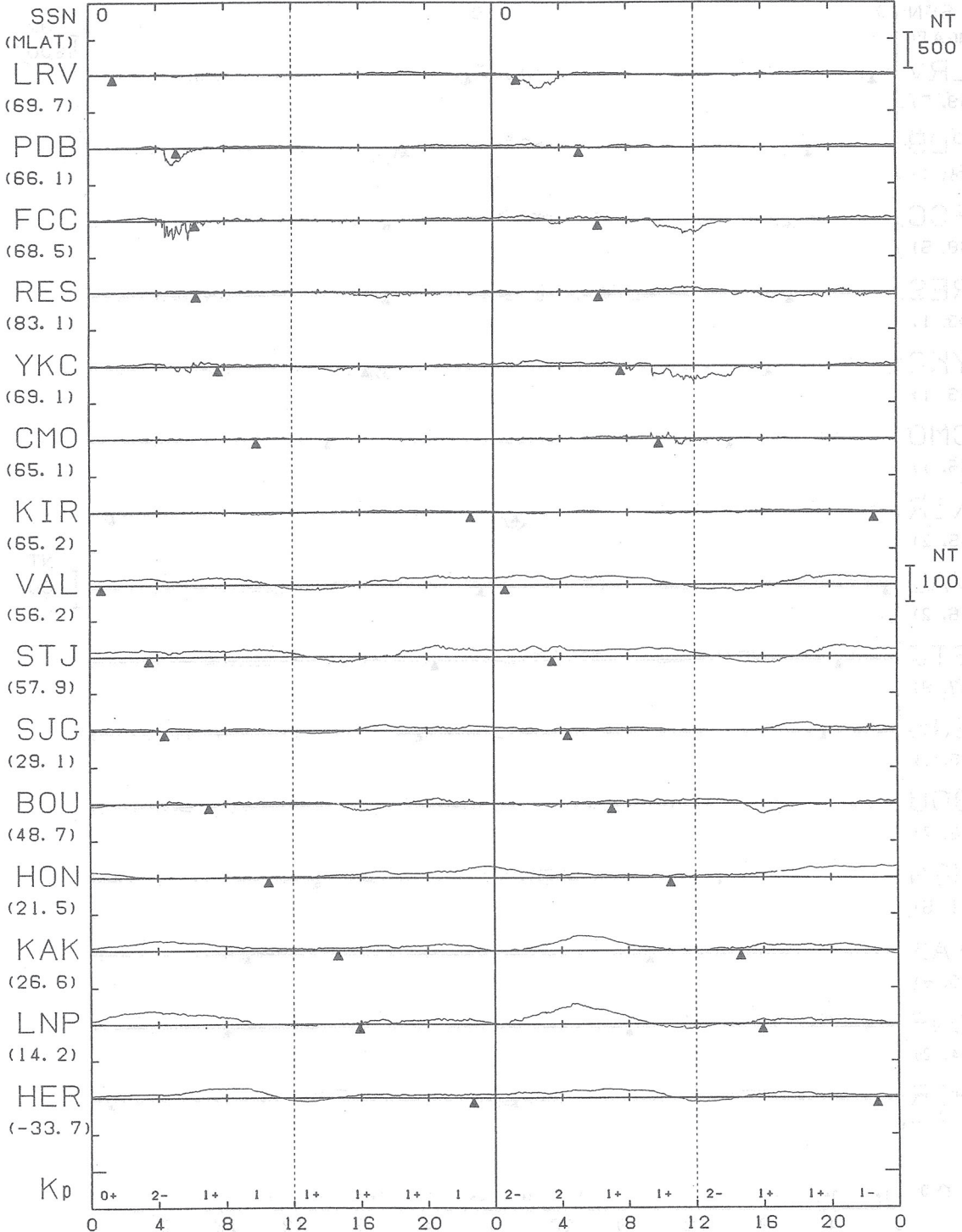
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

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

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



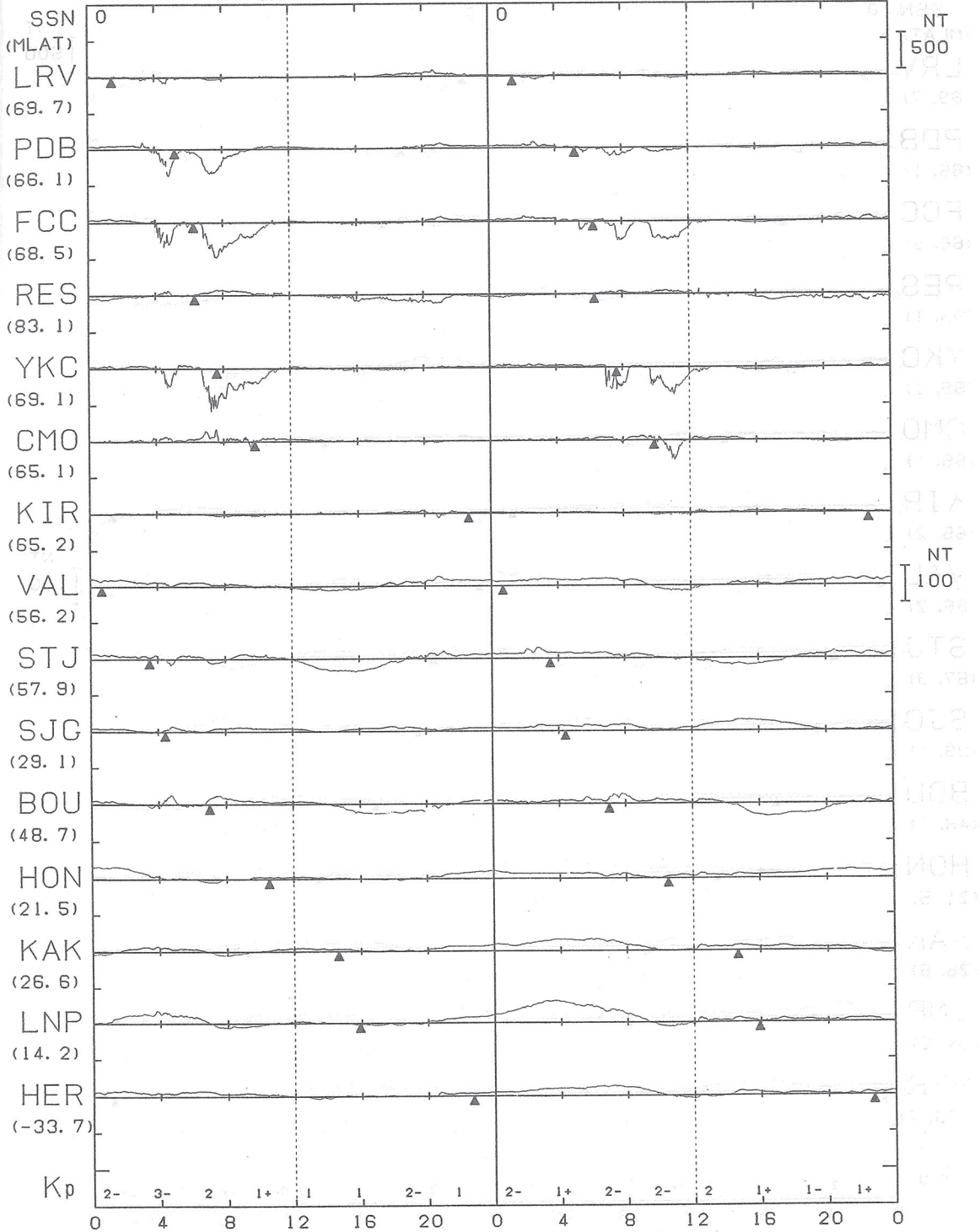
APR 29
(DAY 120)

APR 30
(DAY 121)

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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



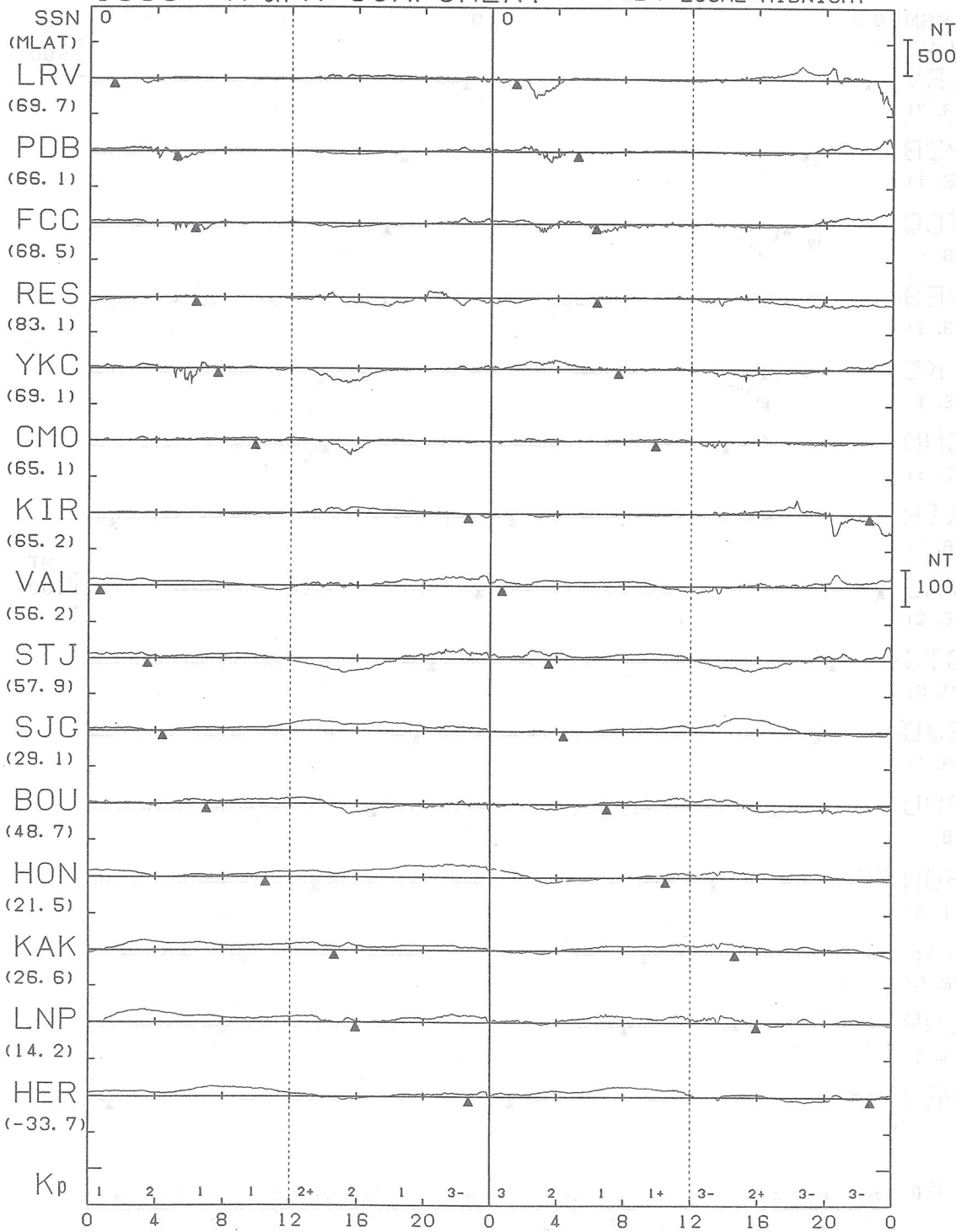
MAY 1
(DAY 122)

MAY 2
(DAY 123)

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

1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

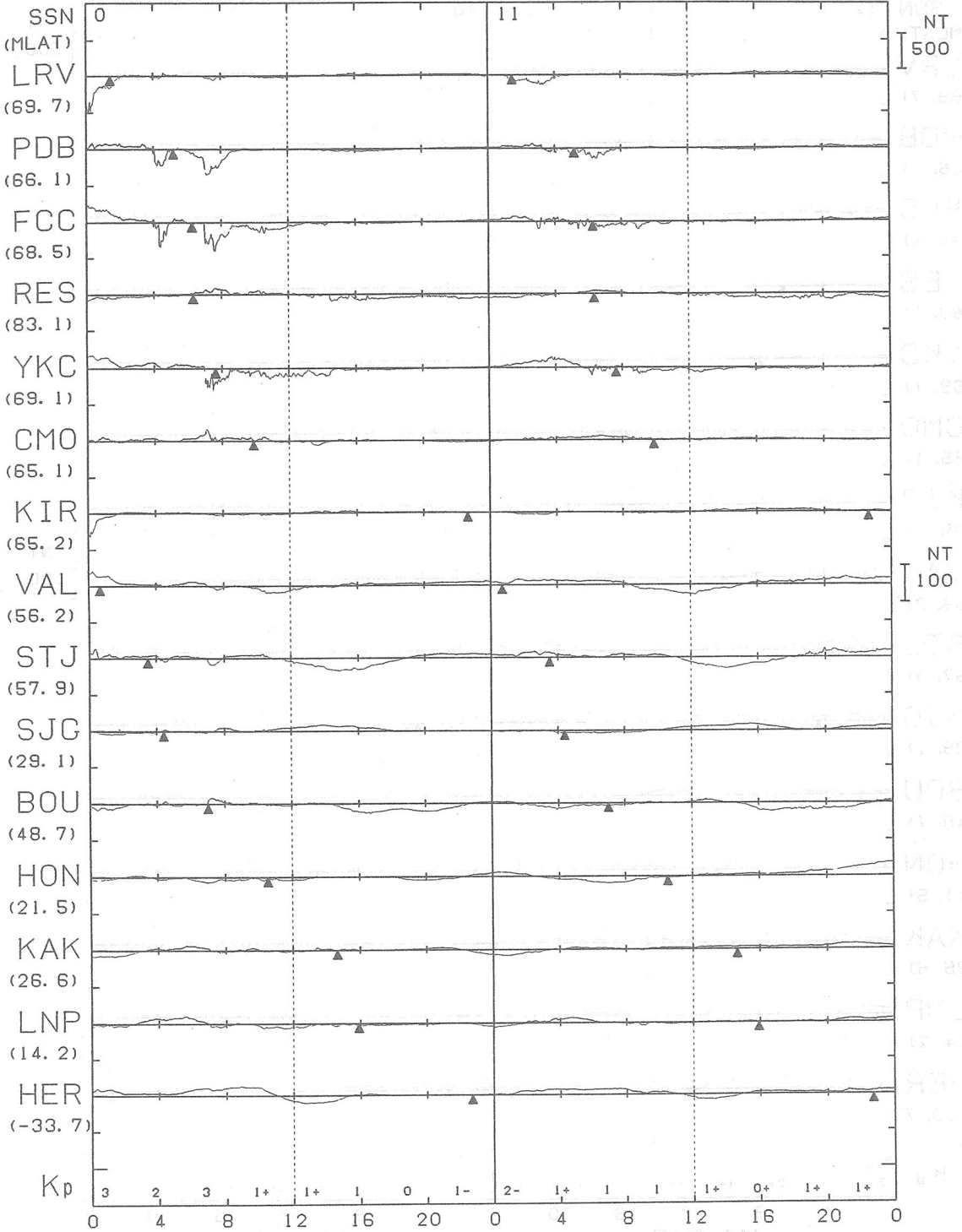


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



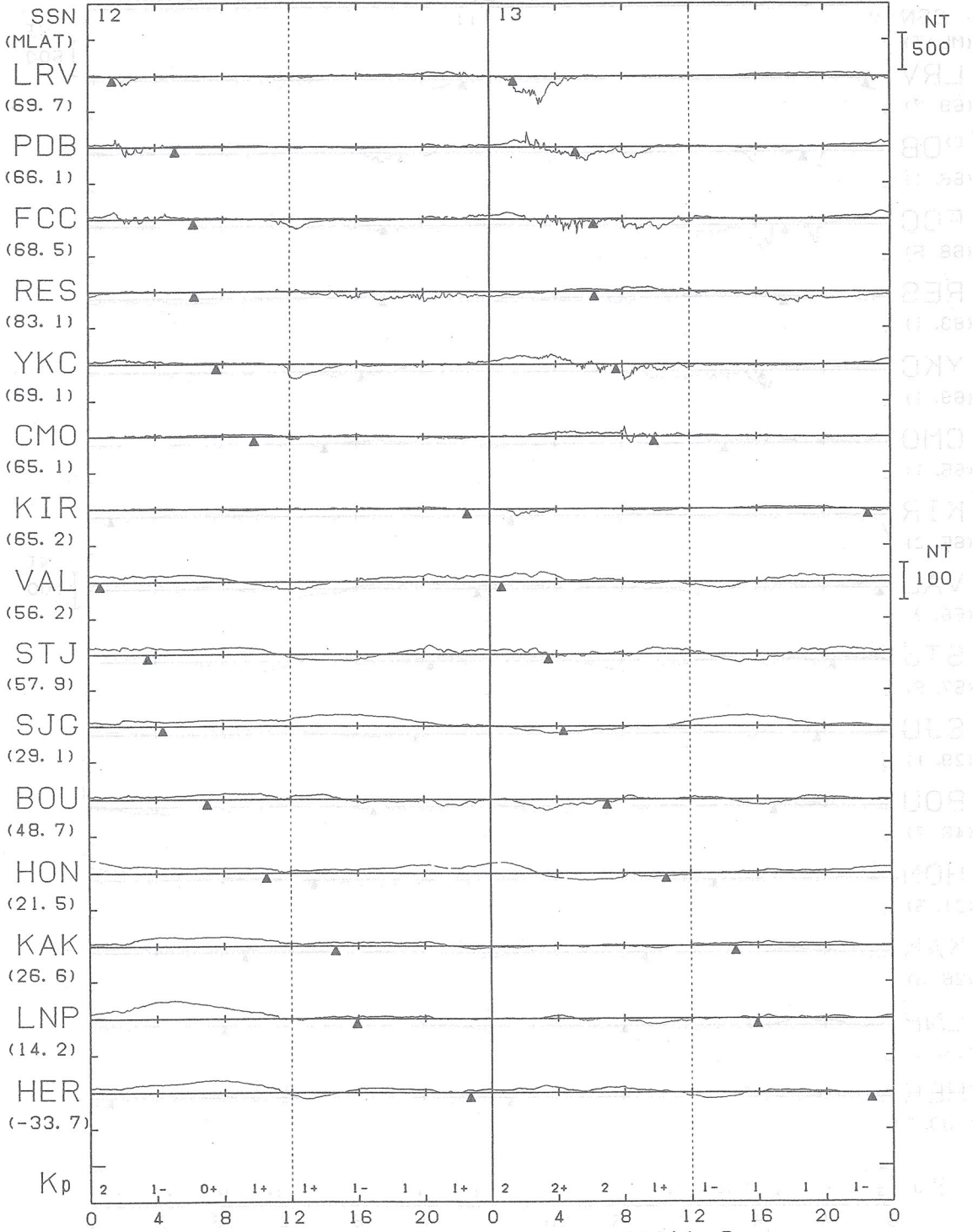
MAY 5
(DAY 126)

MAY 6
(DAY 127)

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

KYOTO UNIV.

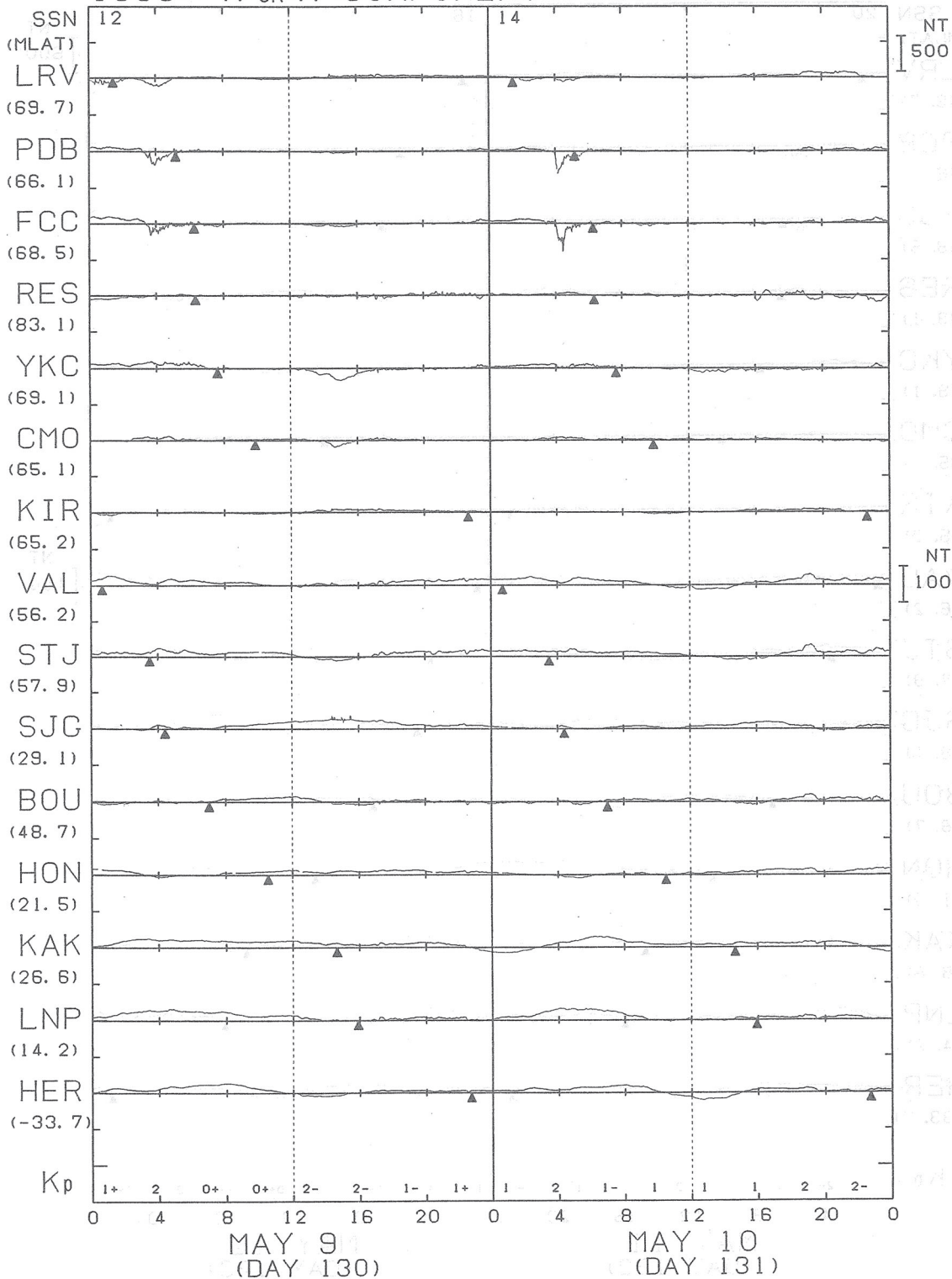
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



MAY 7 (DAY 128) MAY 8 (DAY 129)

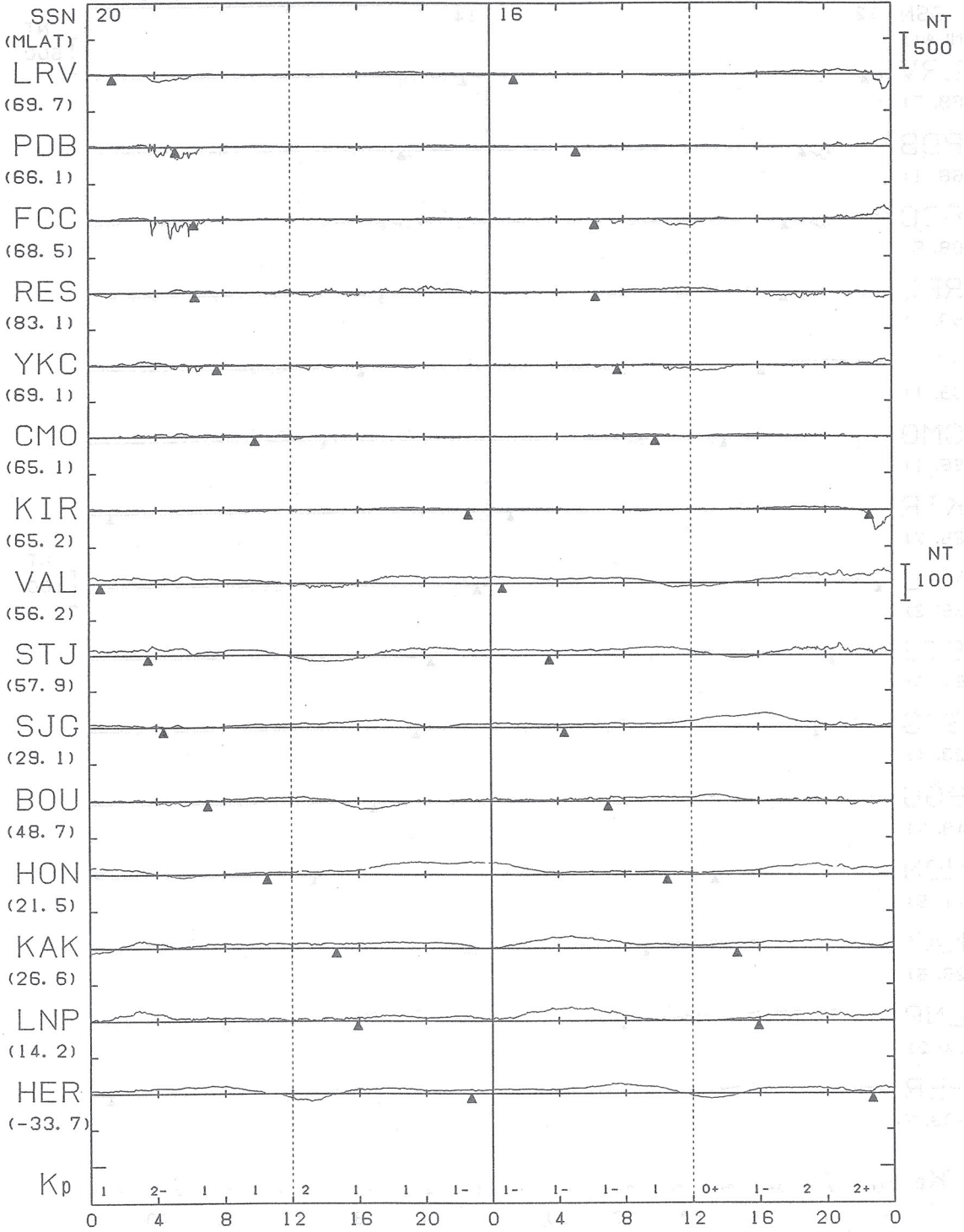
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
 KYOTO UNIV.

1996 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.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



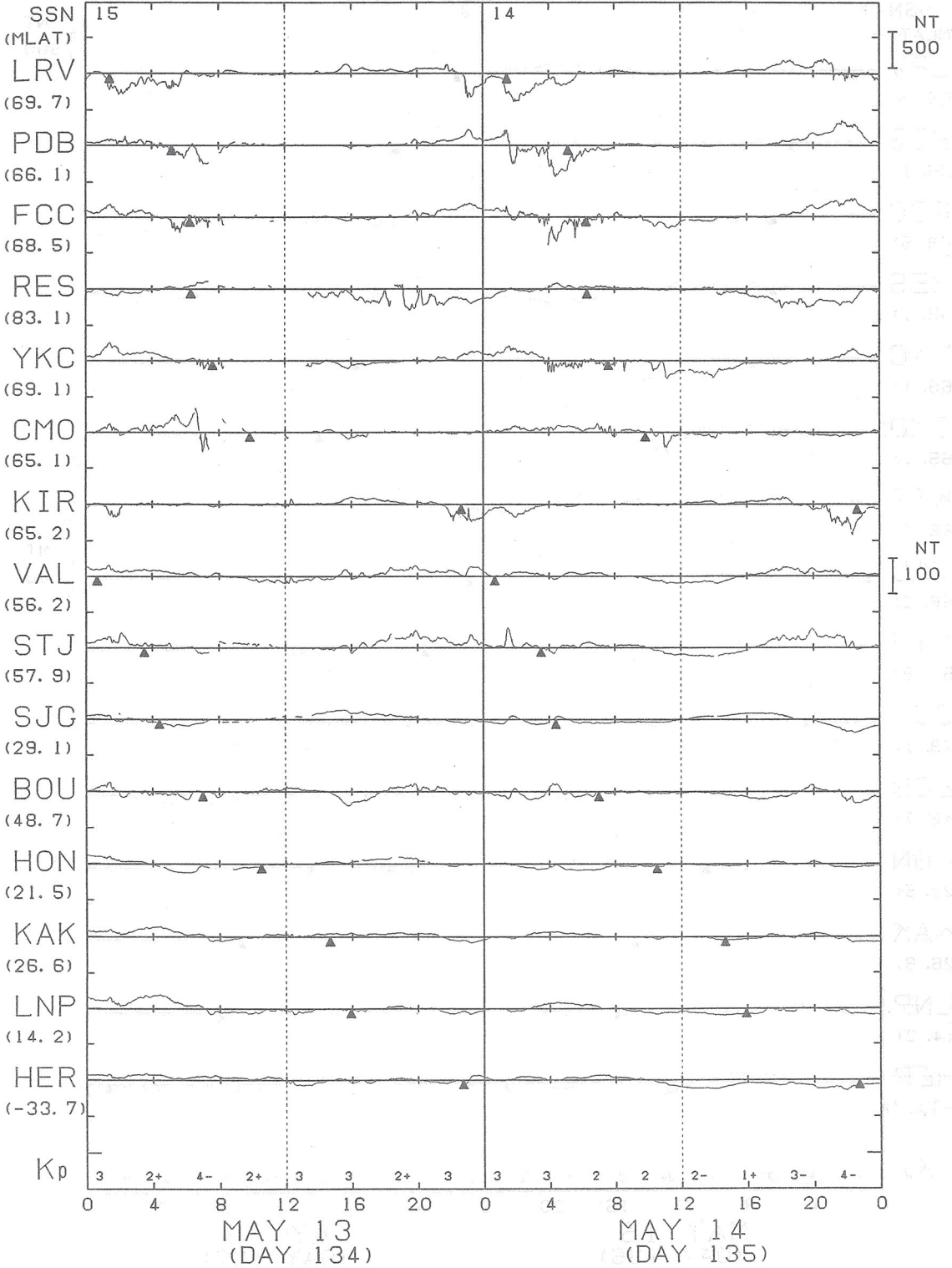
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

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

KYOTO UNIV.

1996 H OR X-COMPONENT

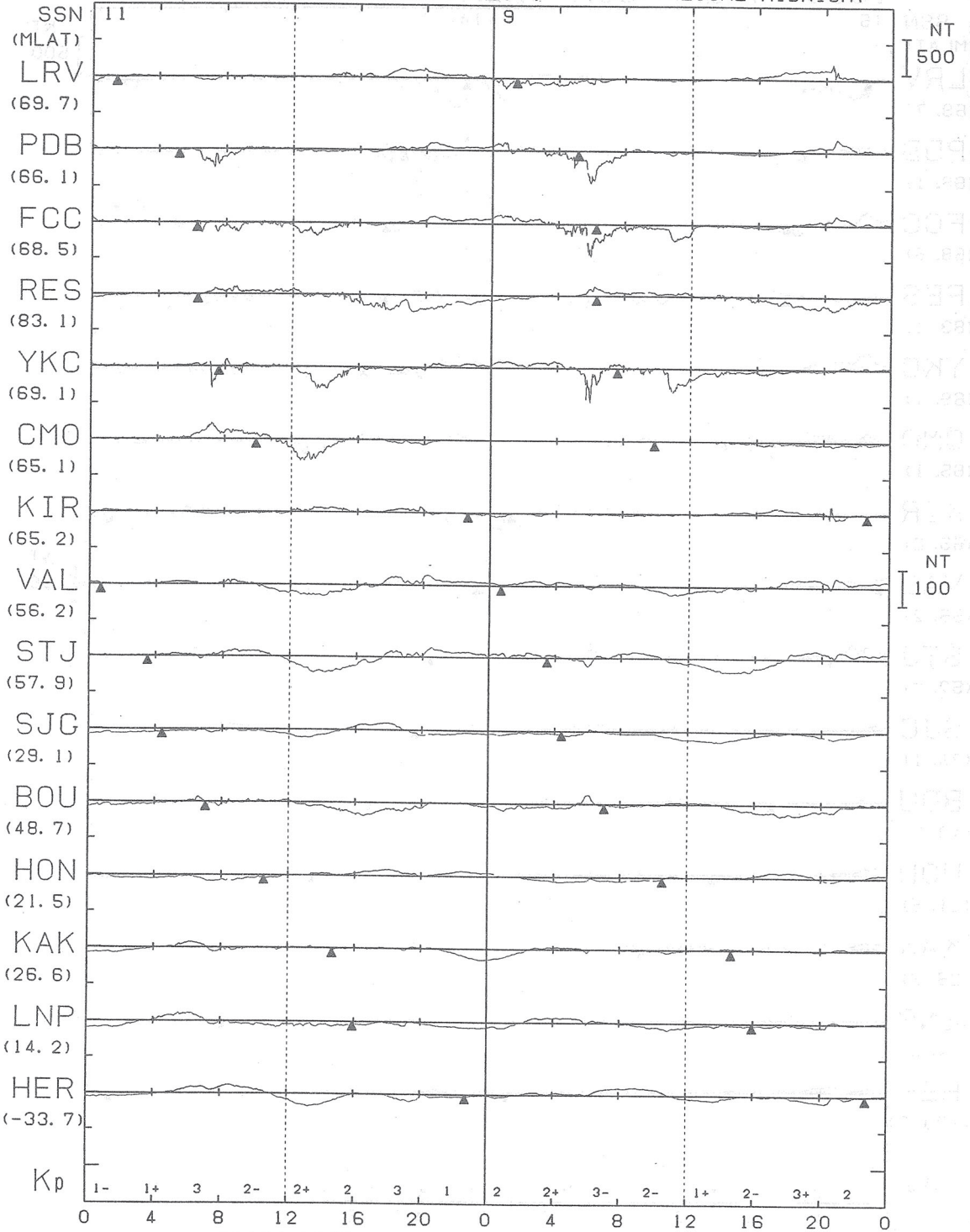
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

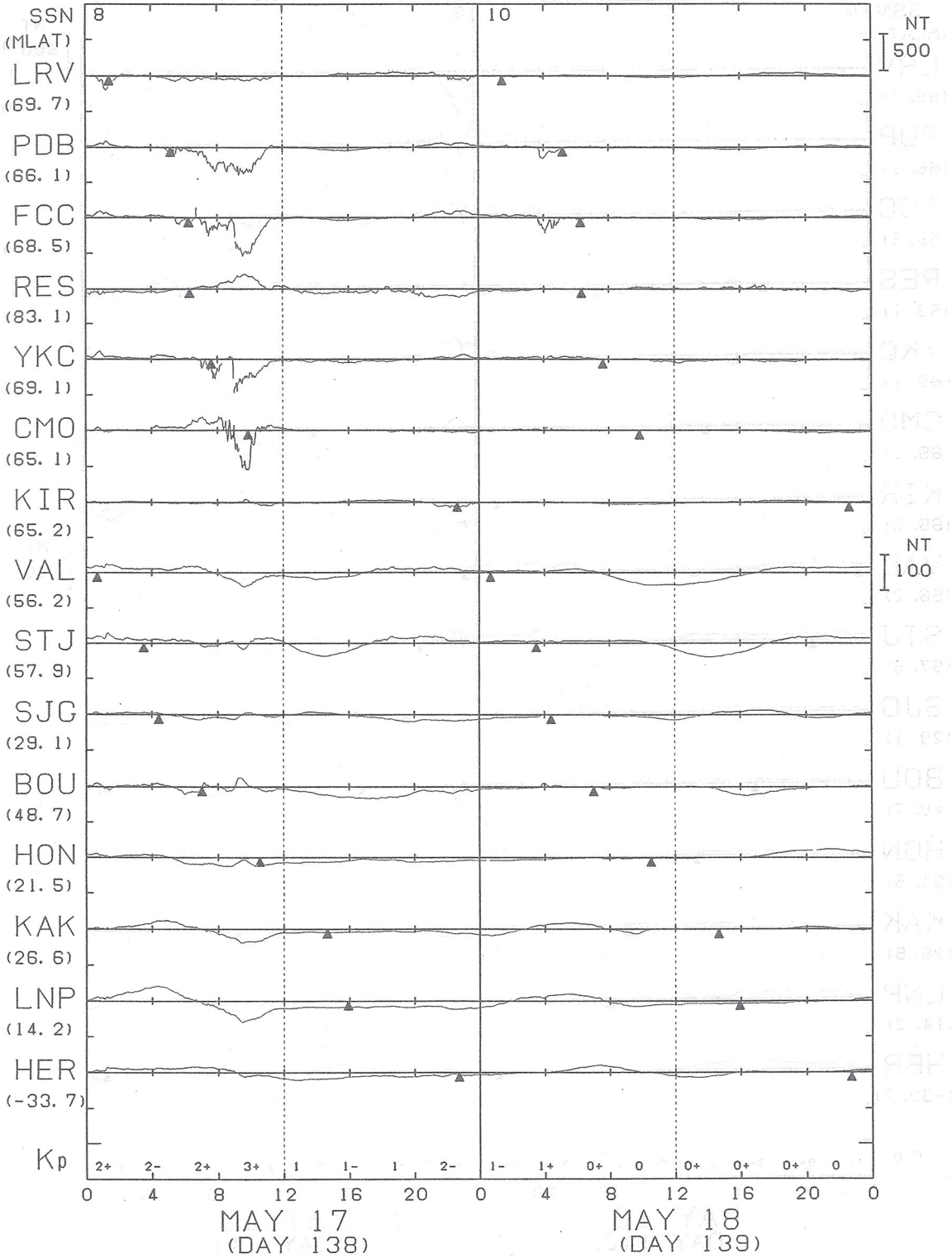


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 ** PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

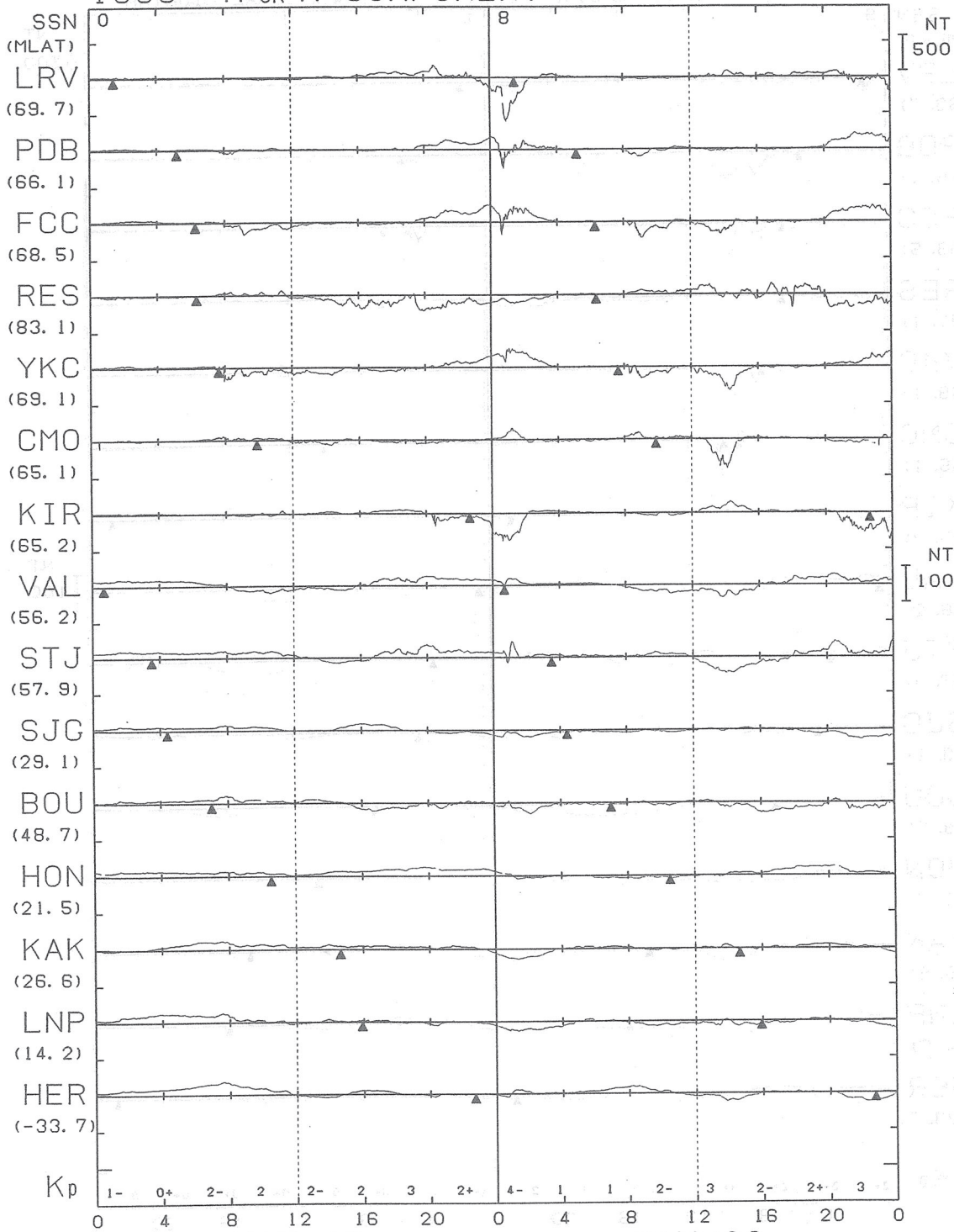
▲ : LOCAL MIDNIGHT



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

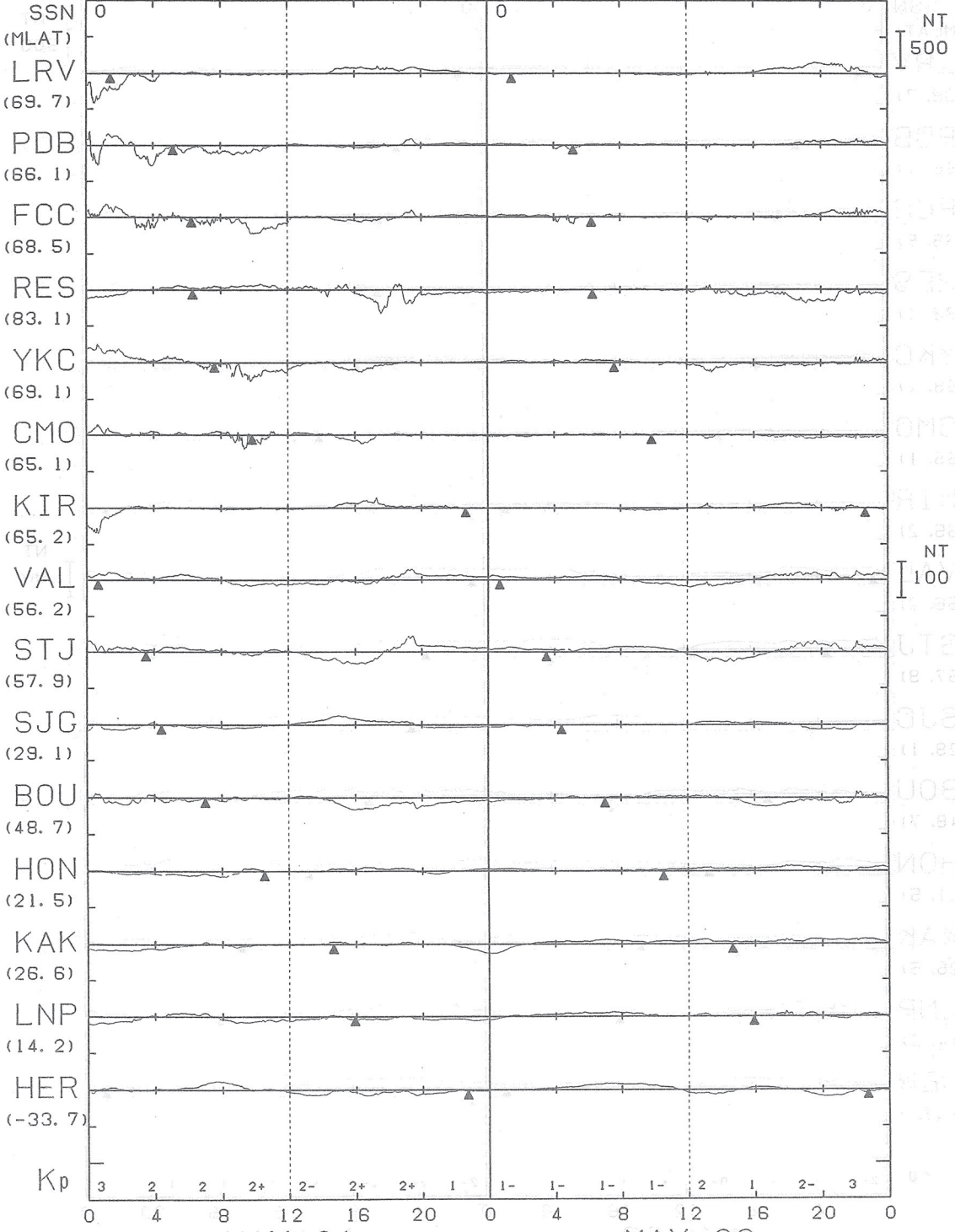
KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

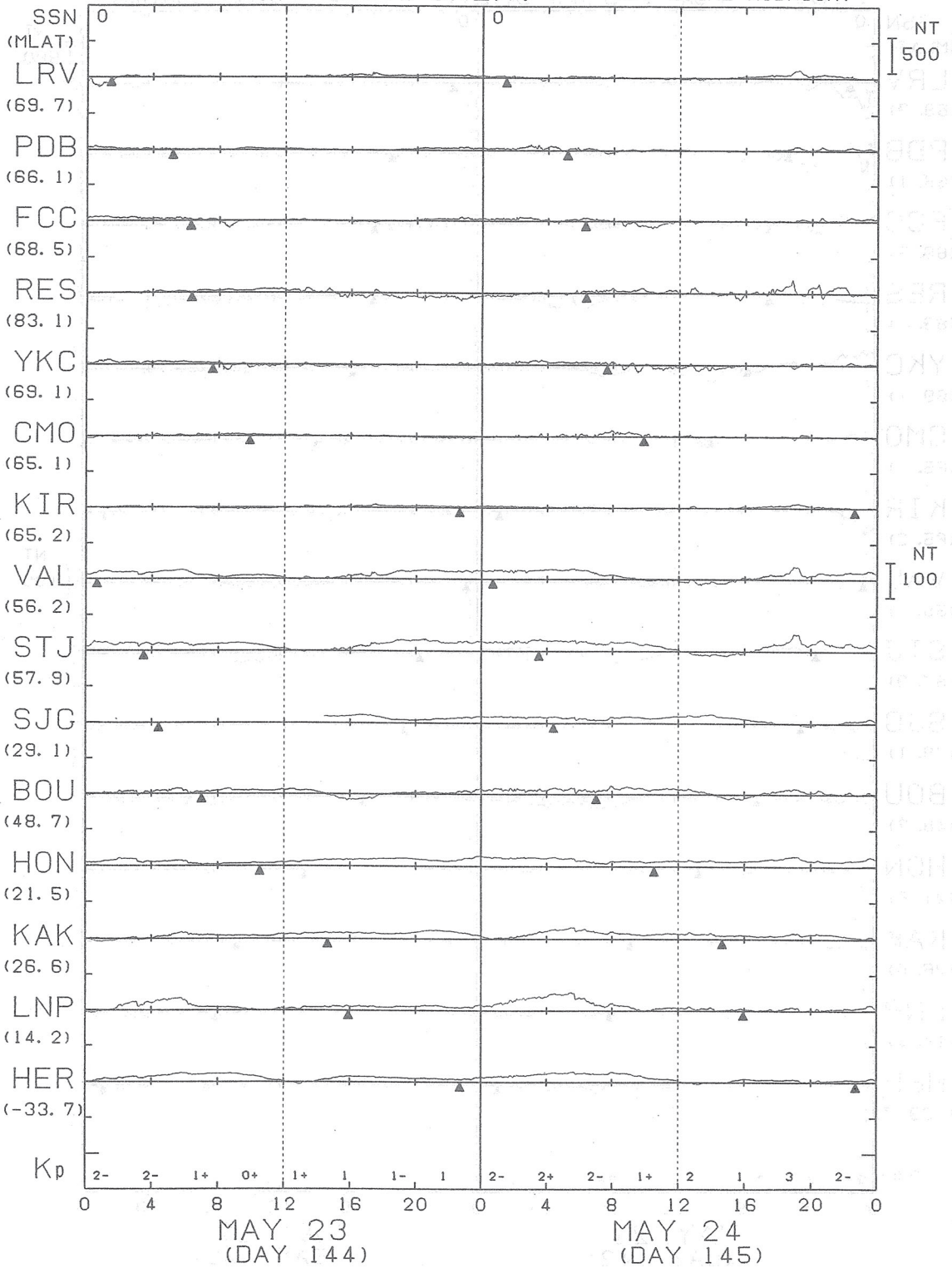
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



MAY 21 (DAY 142) MAY 22 (DAY 143)

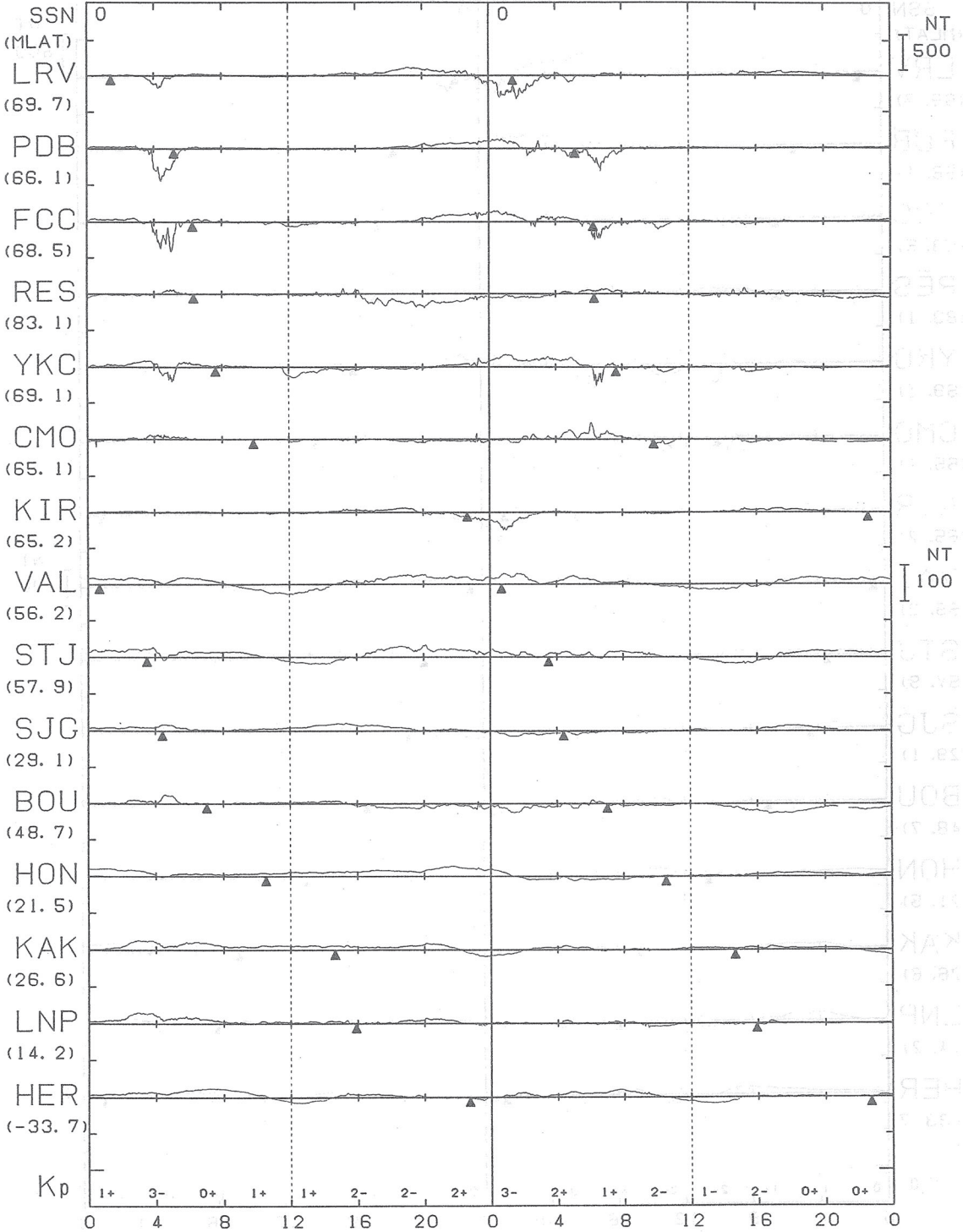
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
 KYOTO UNIV.

1996 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.

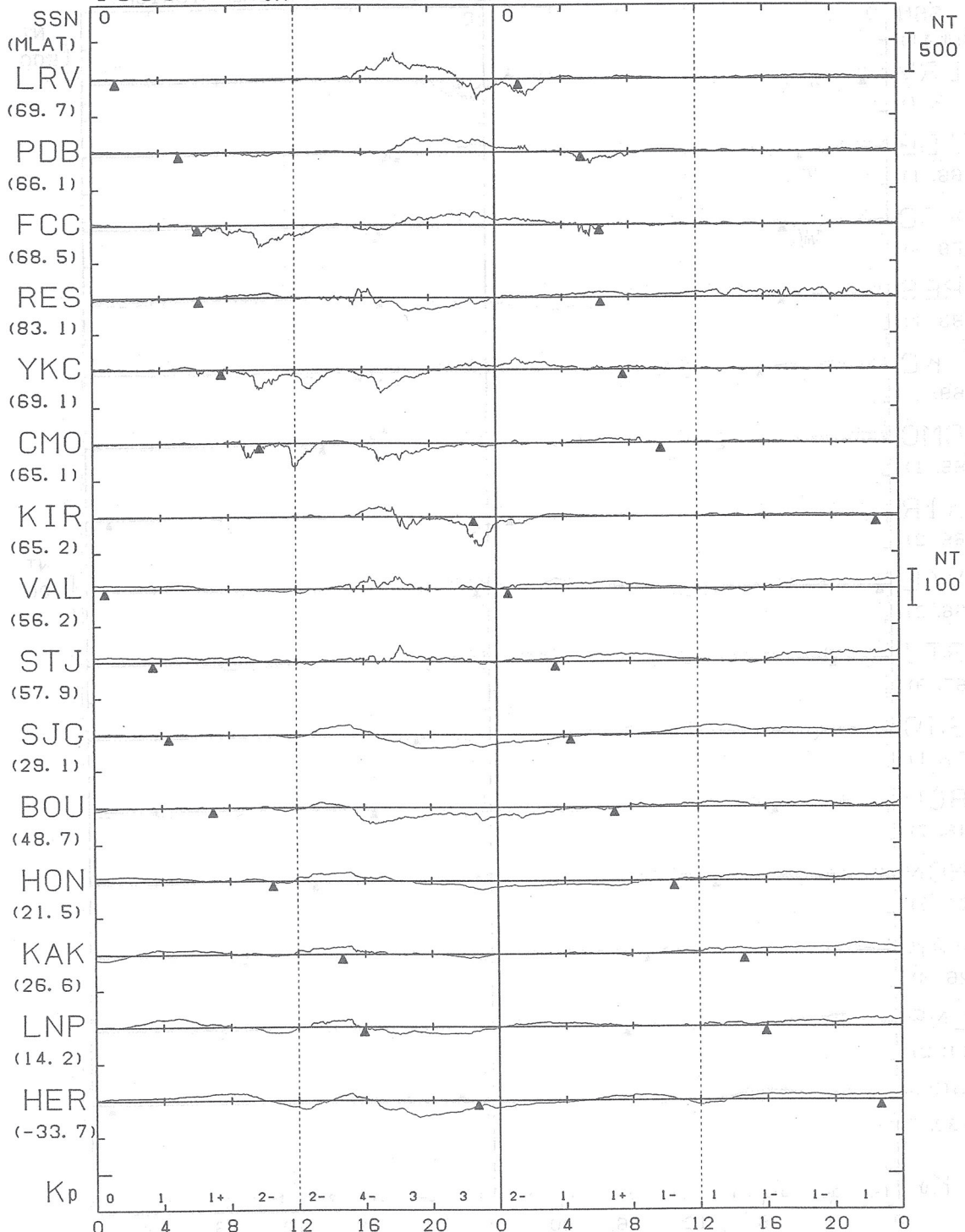
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

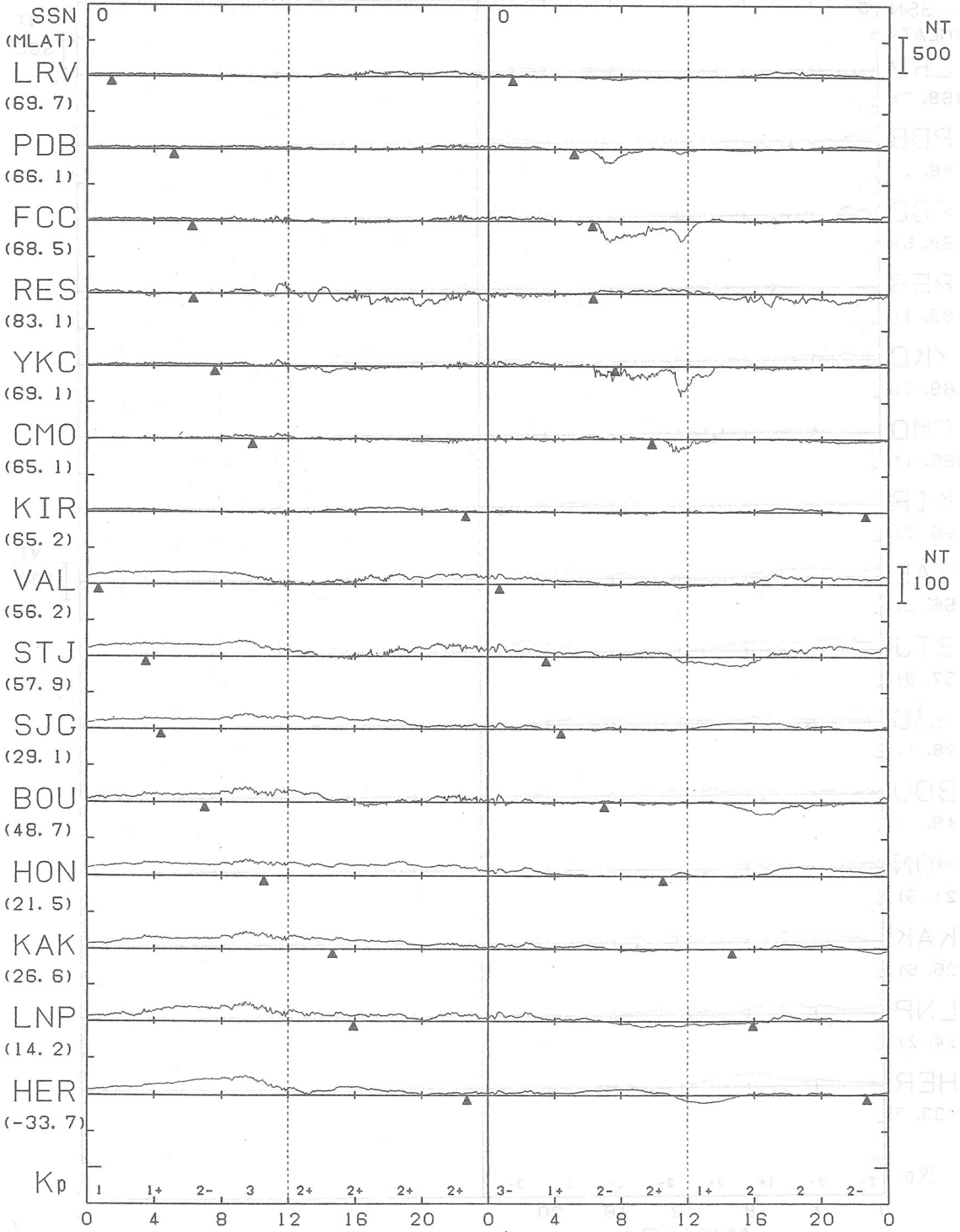
1996 H OR X-COMPONENT \blacktriangle : LOCAL MIDNIGHT



MAY 27 (DAY 148) MAY 28 (DAY 149)

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

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



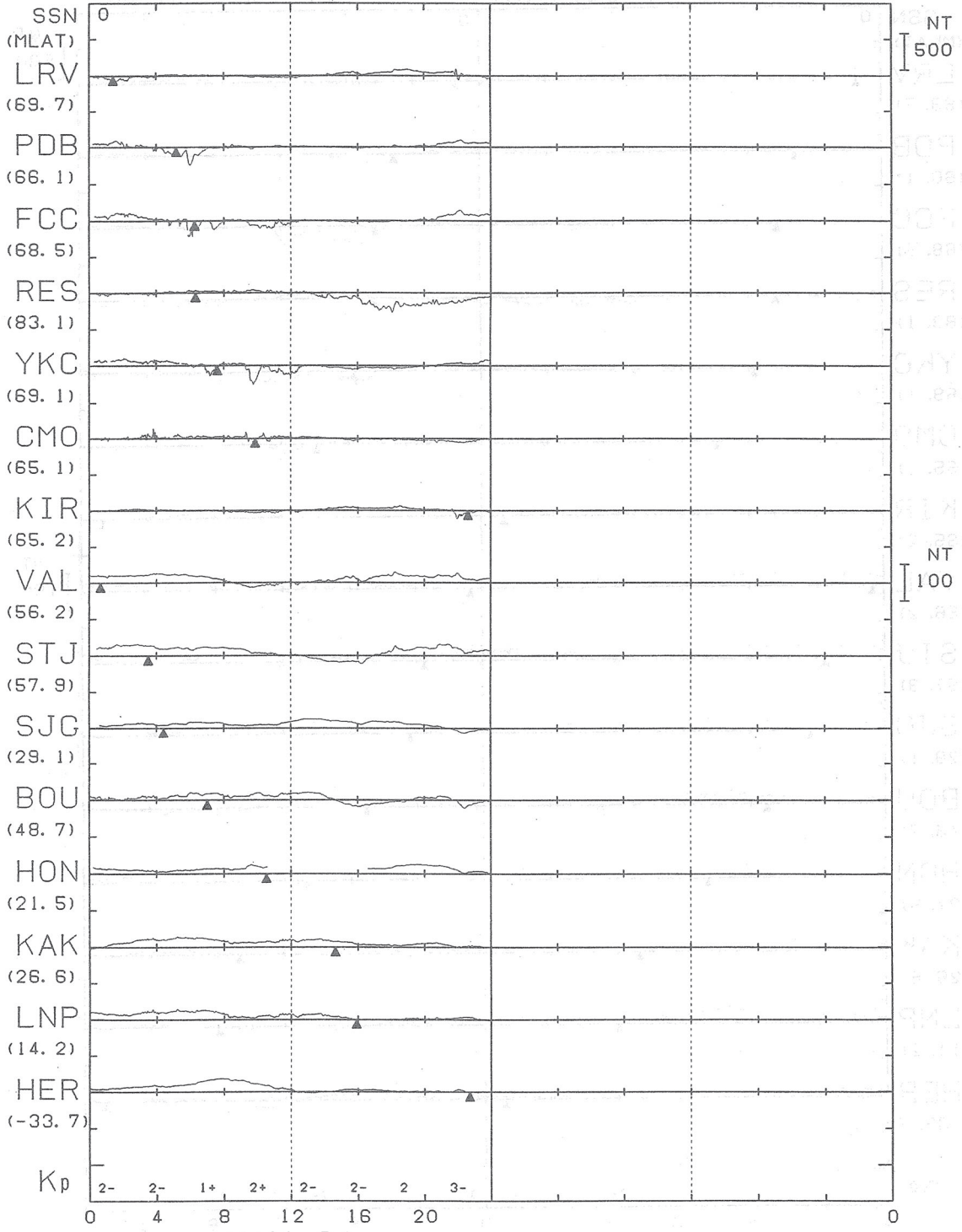
MAY 29
(DAY 150)

MAY 30
(DAY 151)

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

KYOTO UNIV.

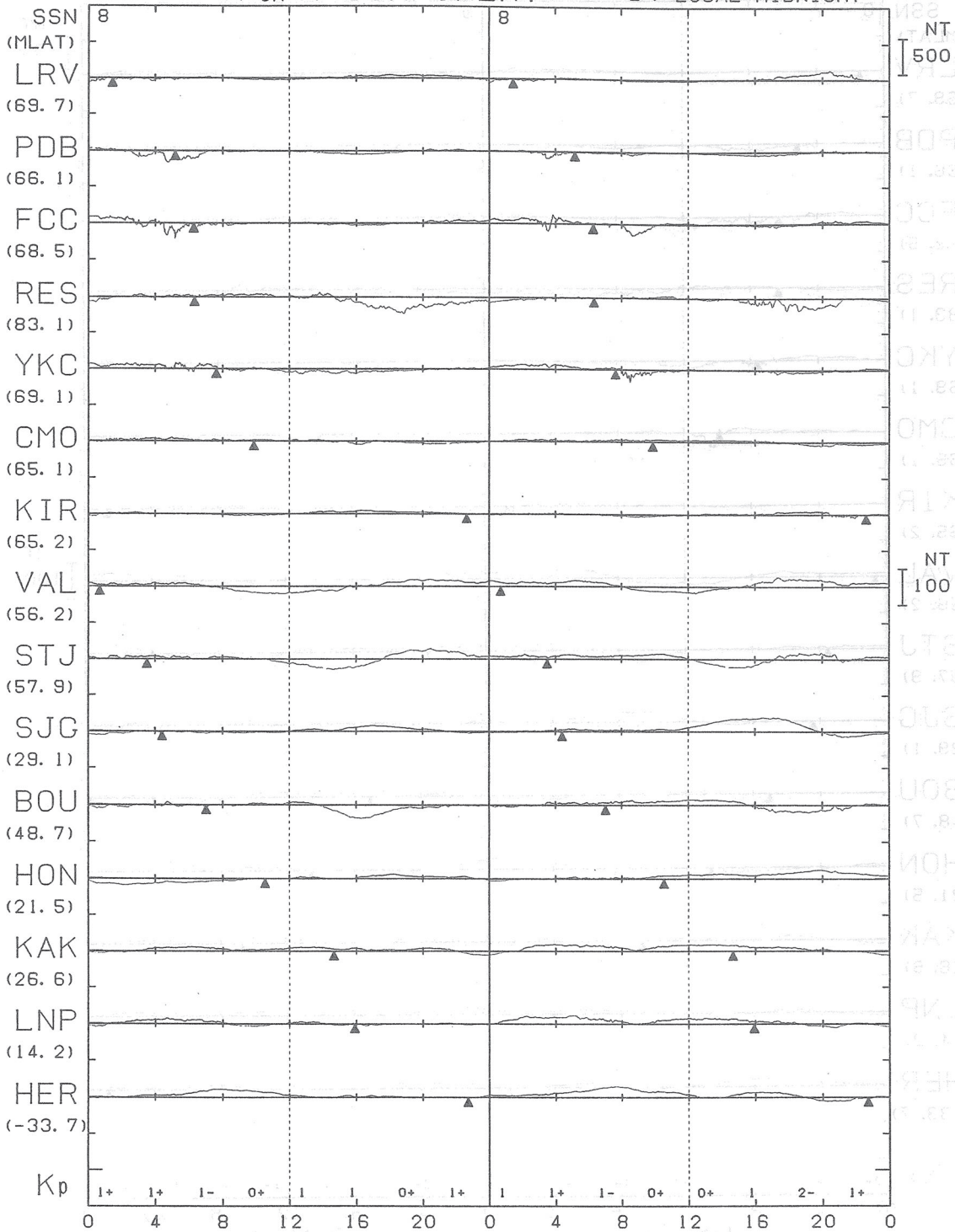
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

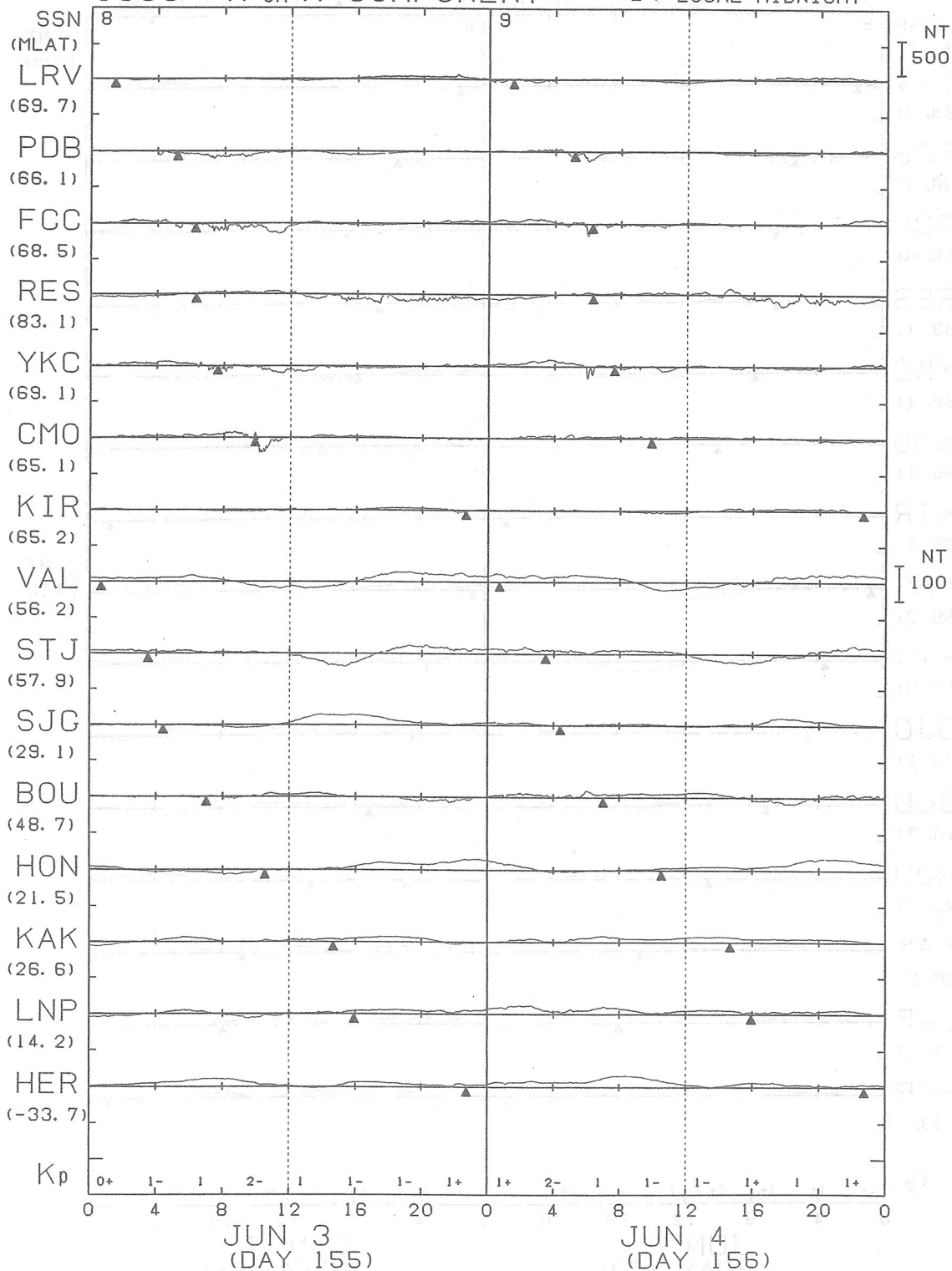


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

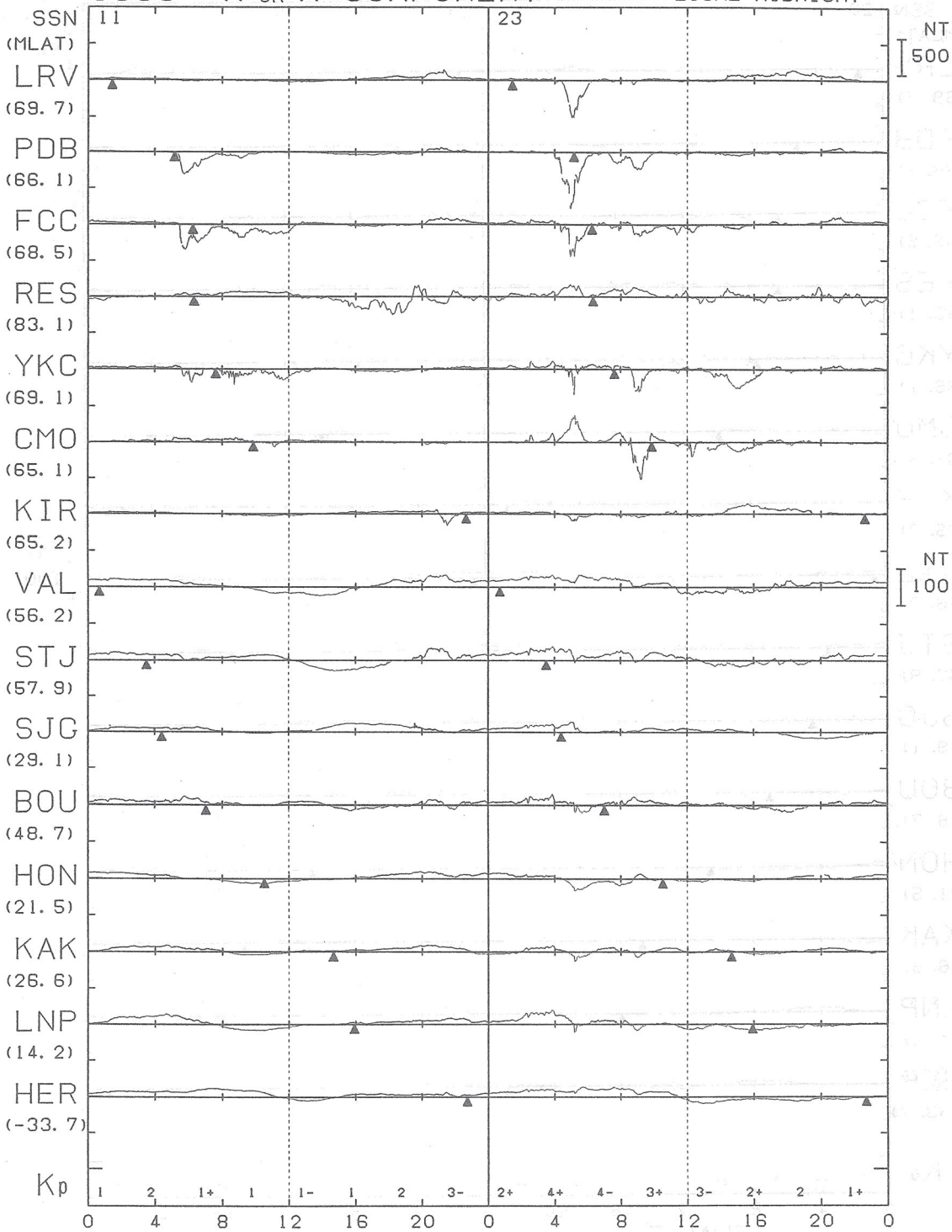
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



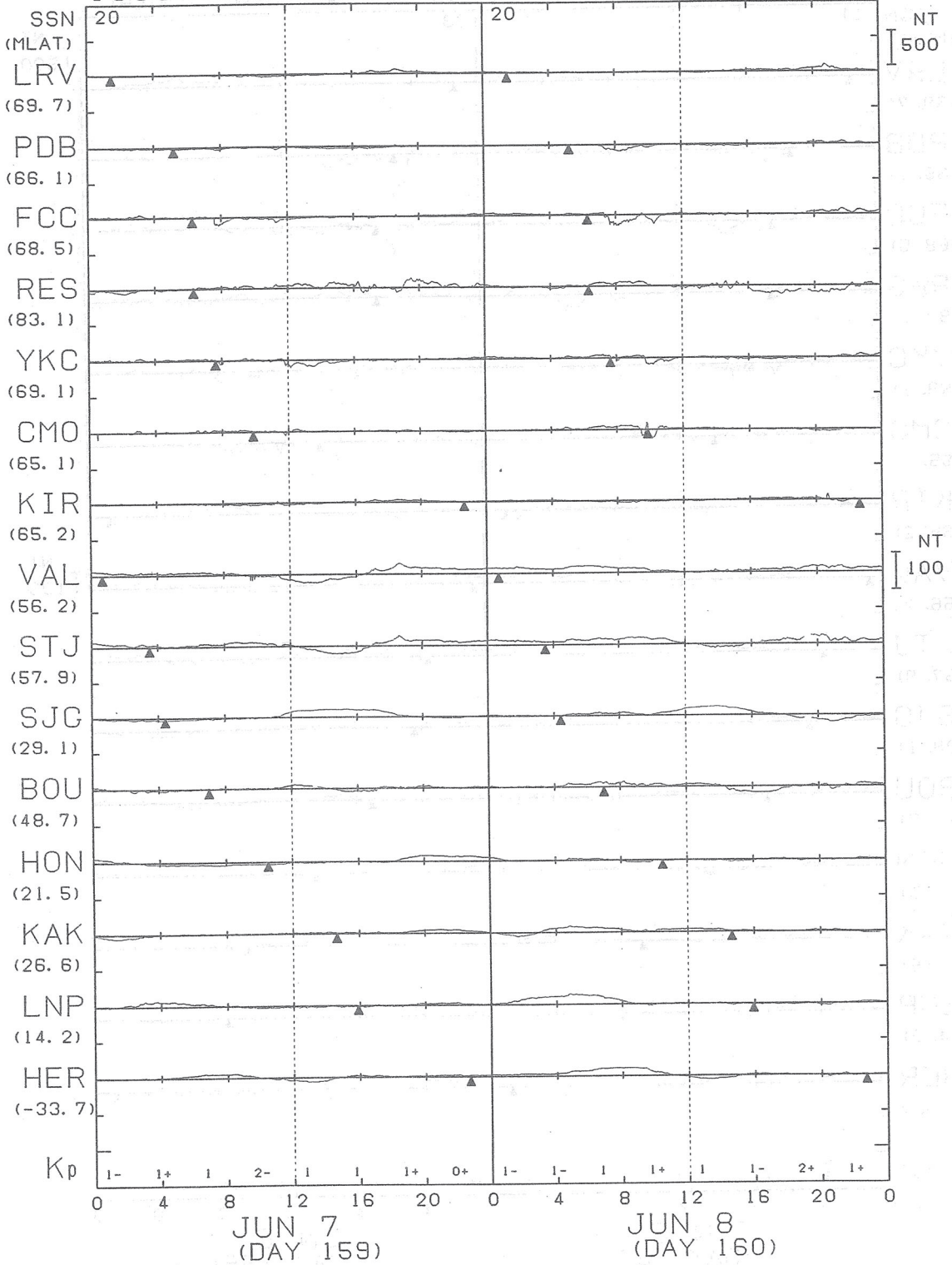
JUN 5
(DAY 157)

JUN 6
(DAY 158)

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

KYOTO UNIV.

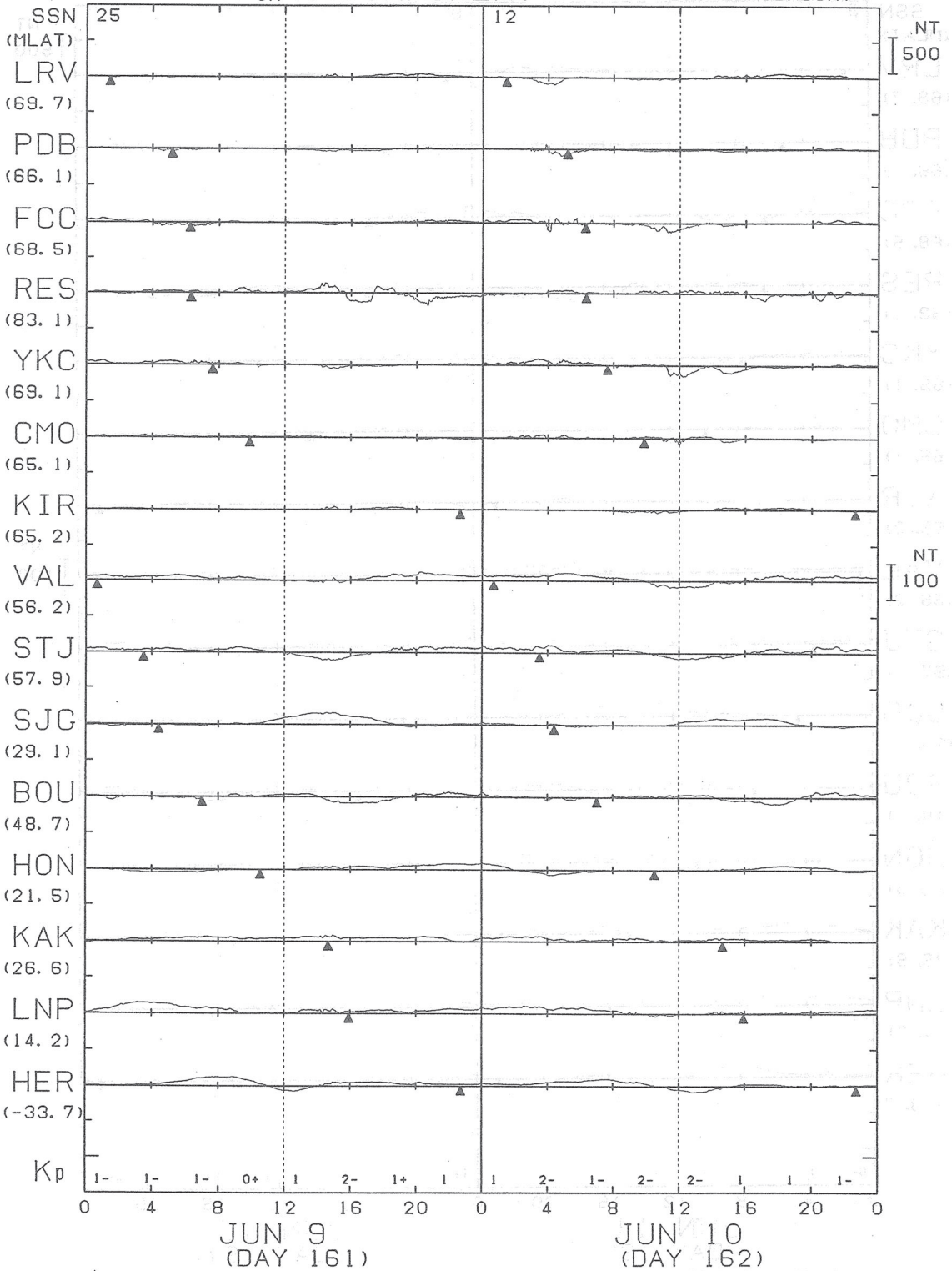
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

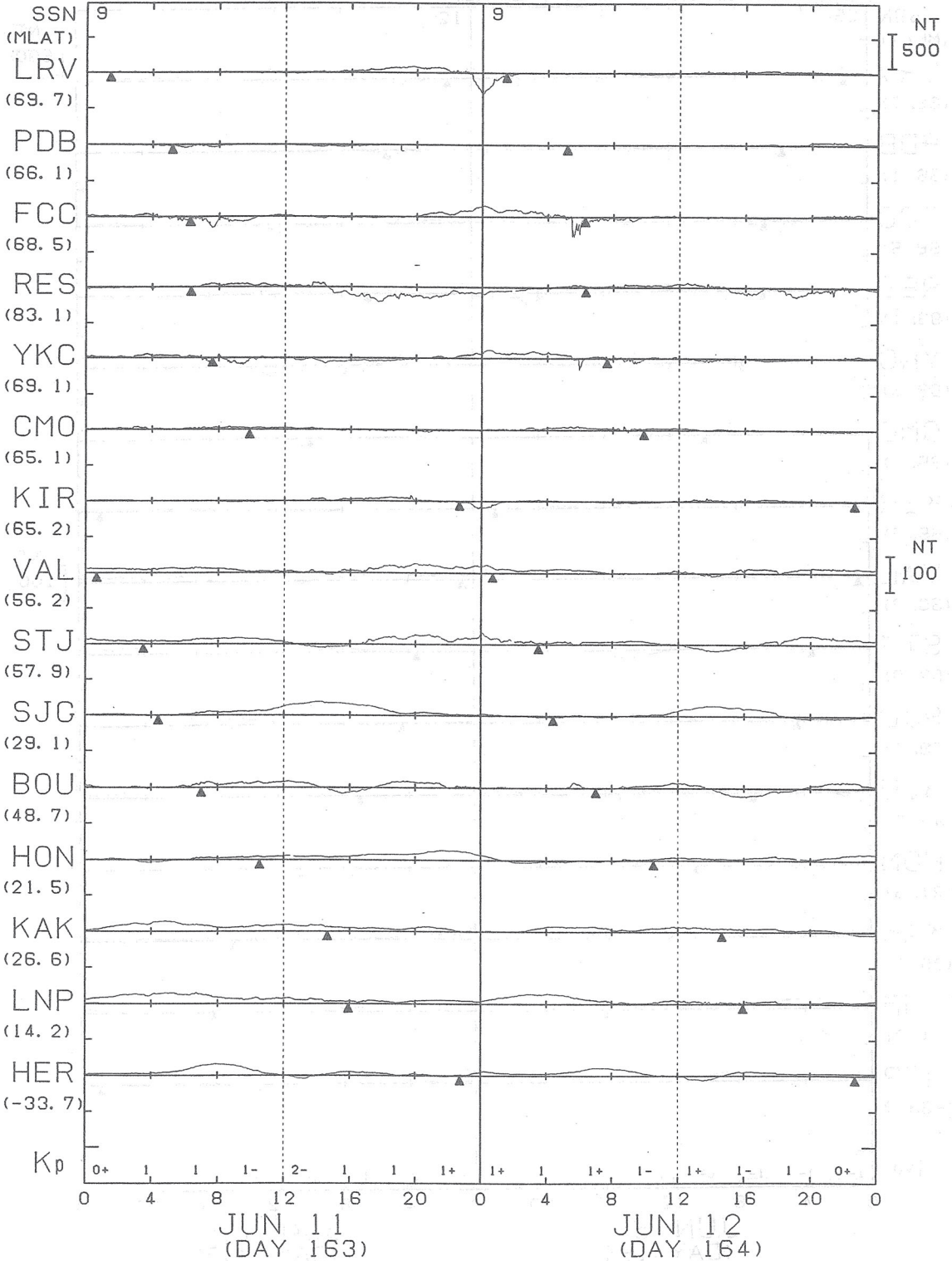


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

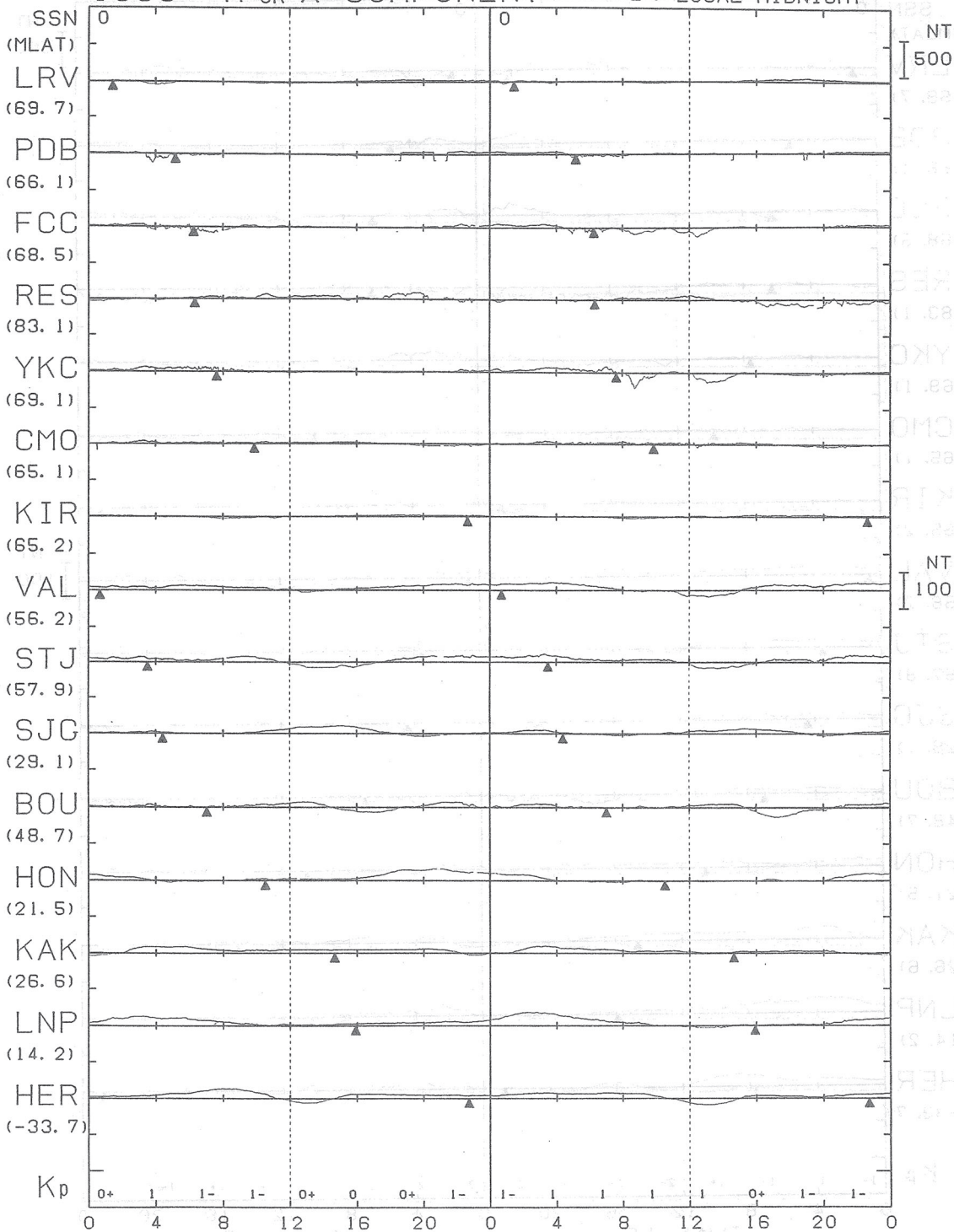


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

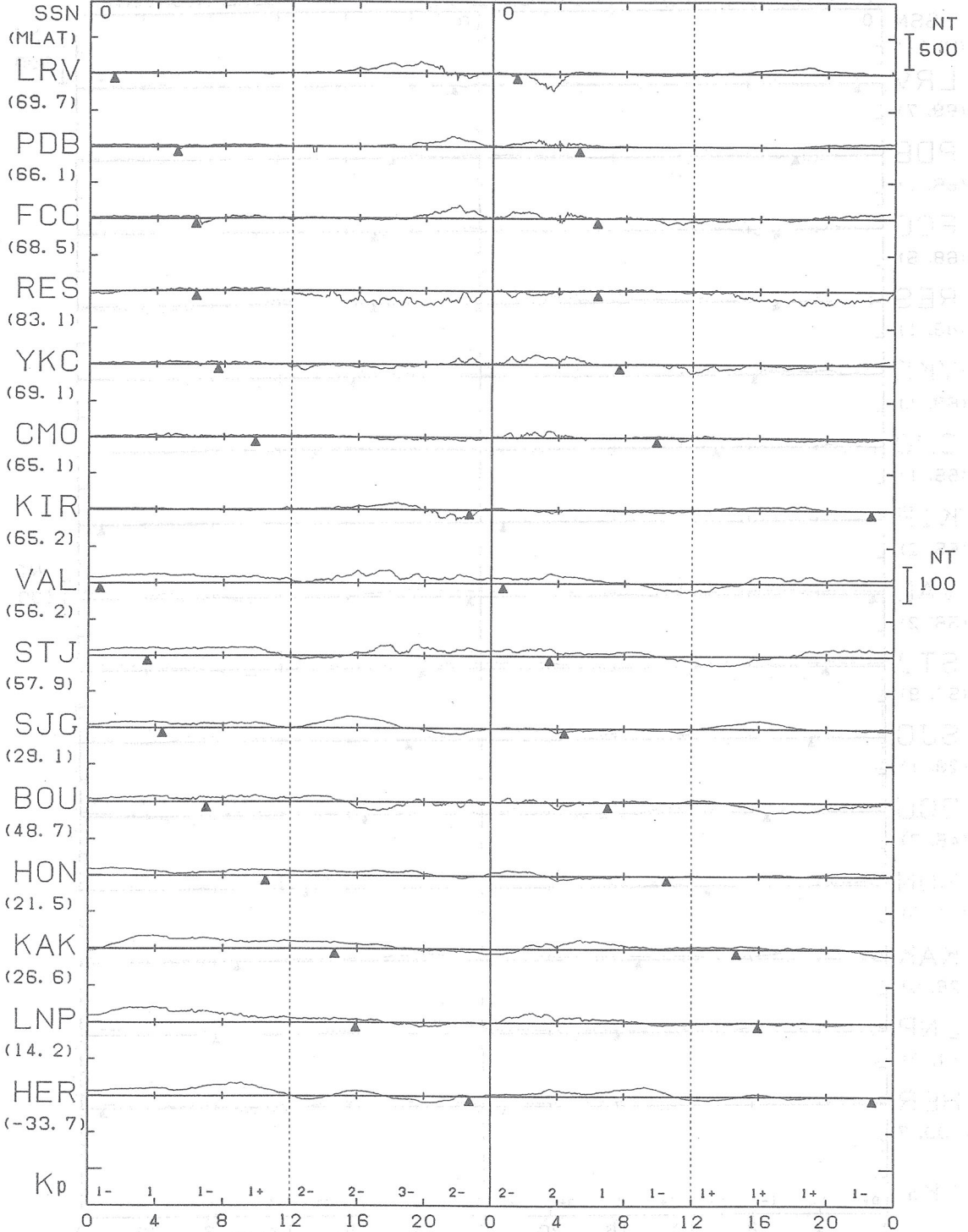


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

KYOTO UNIV.

1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



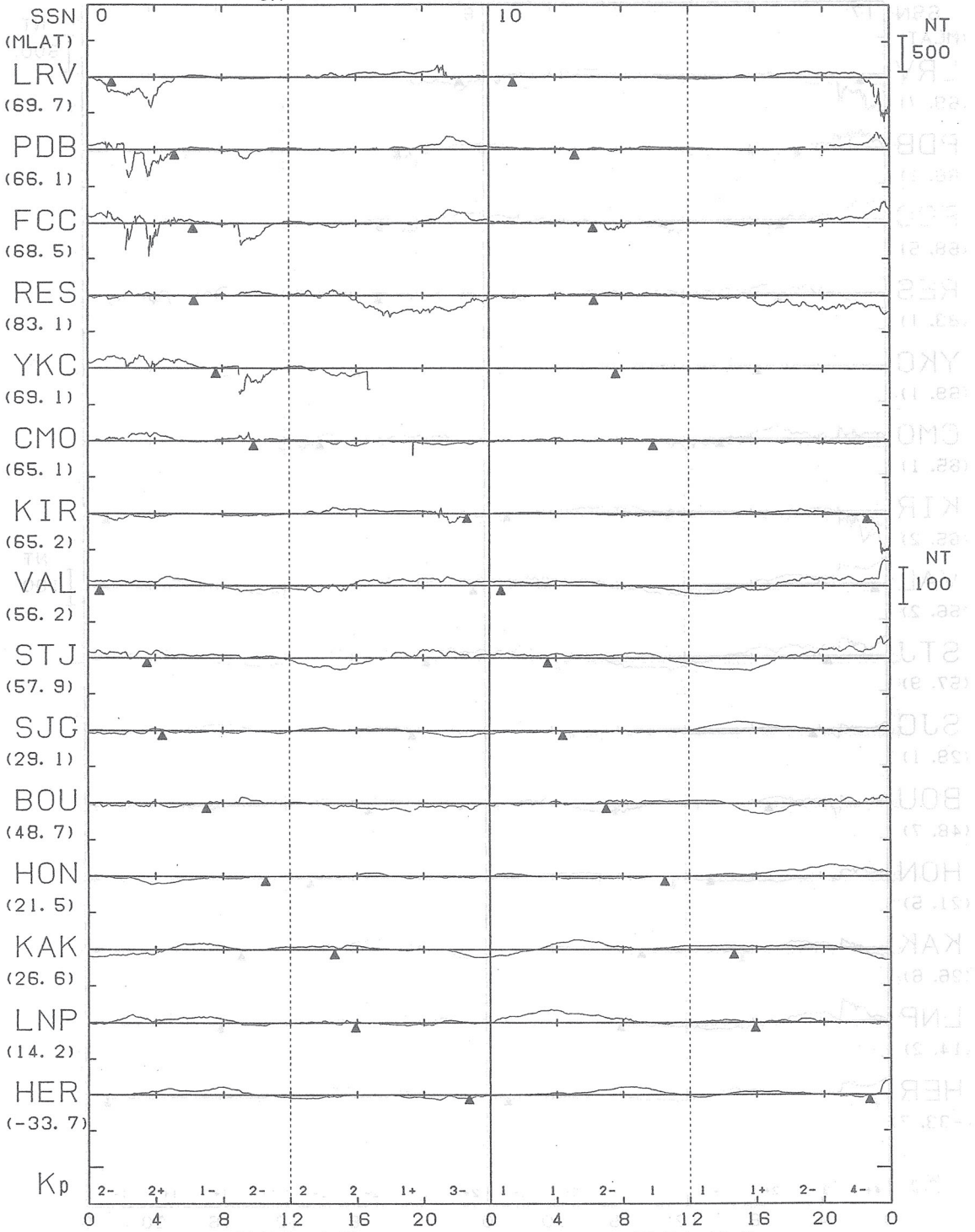
JUN 15
(DAY 167)

JUN 16
(DAY 168)

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

KYOTO UNIV.

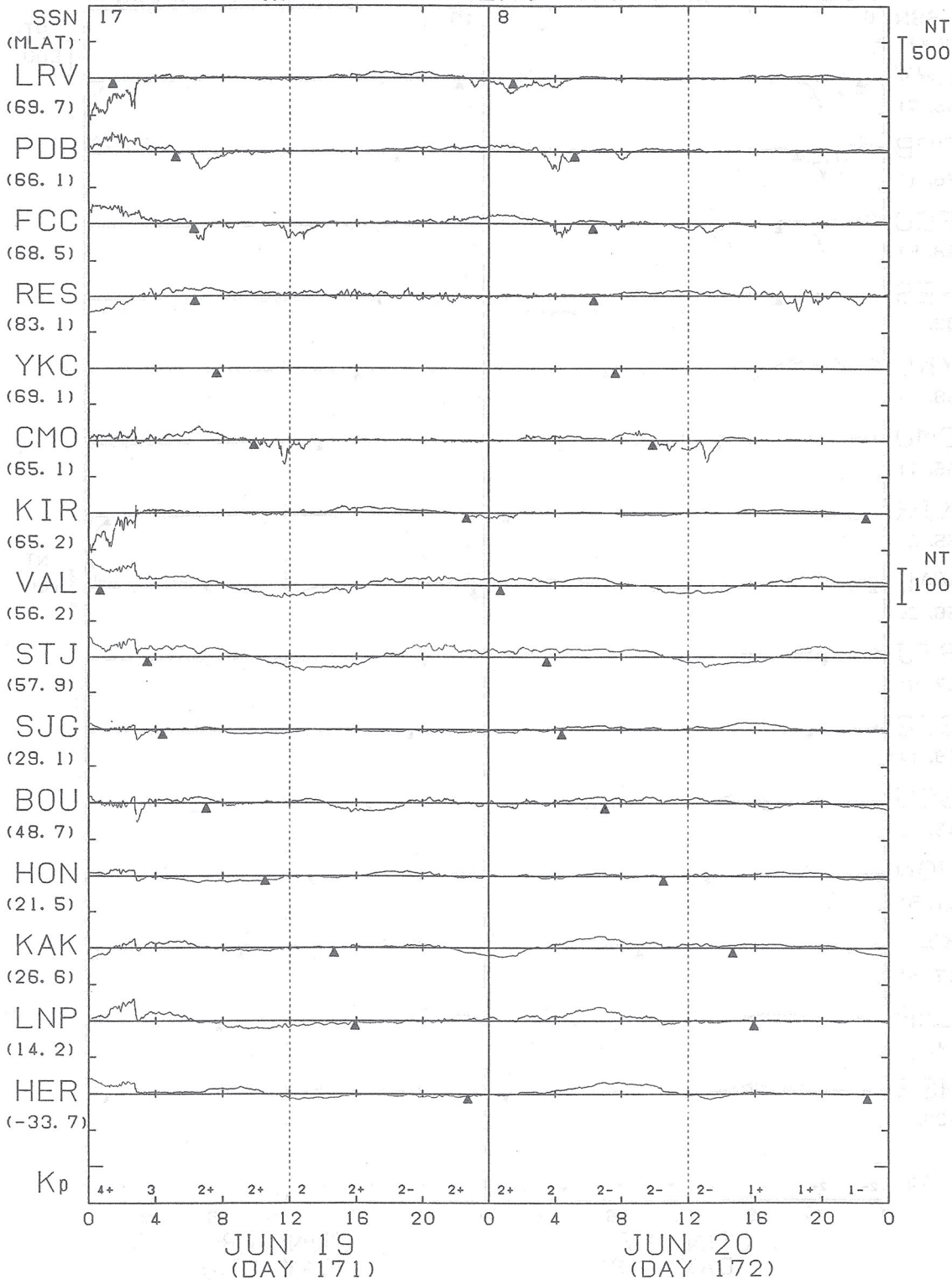
1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

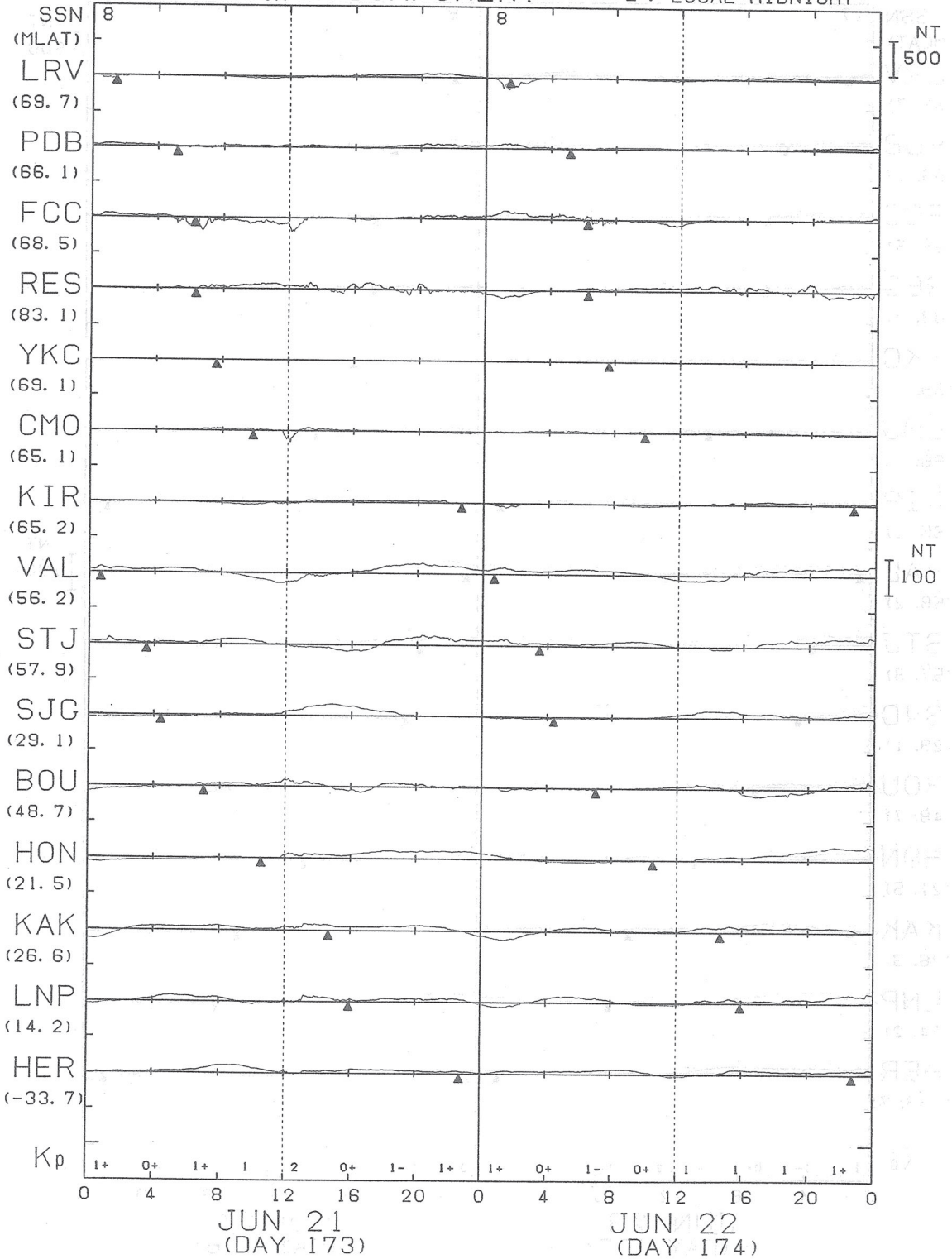


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

RYOBIKI KYOTO UNIV.

1996 H OR X-COMPONENT

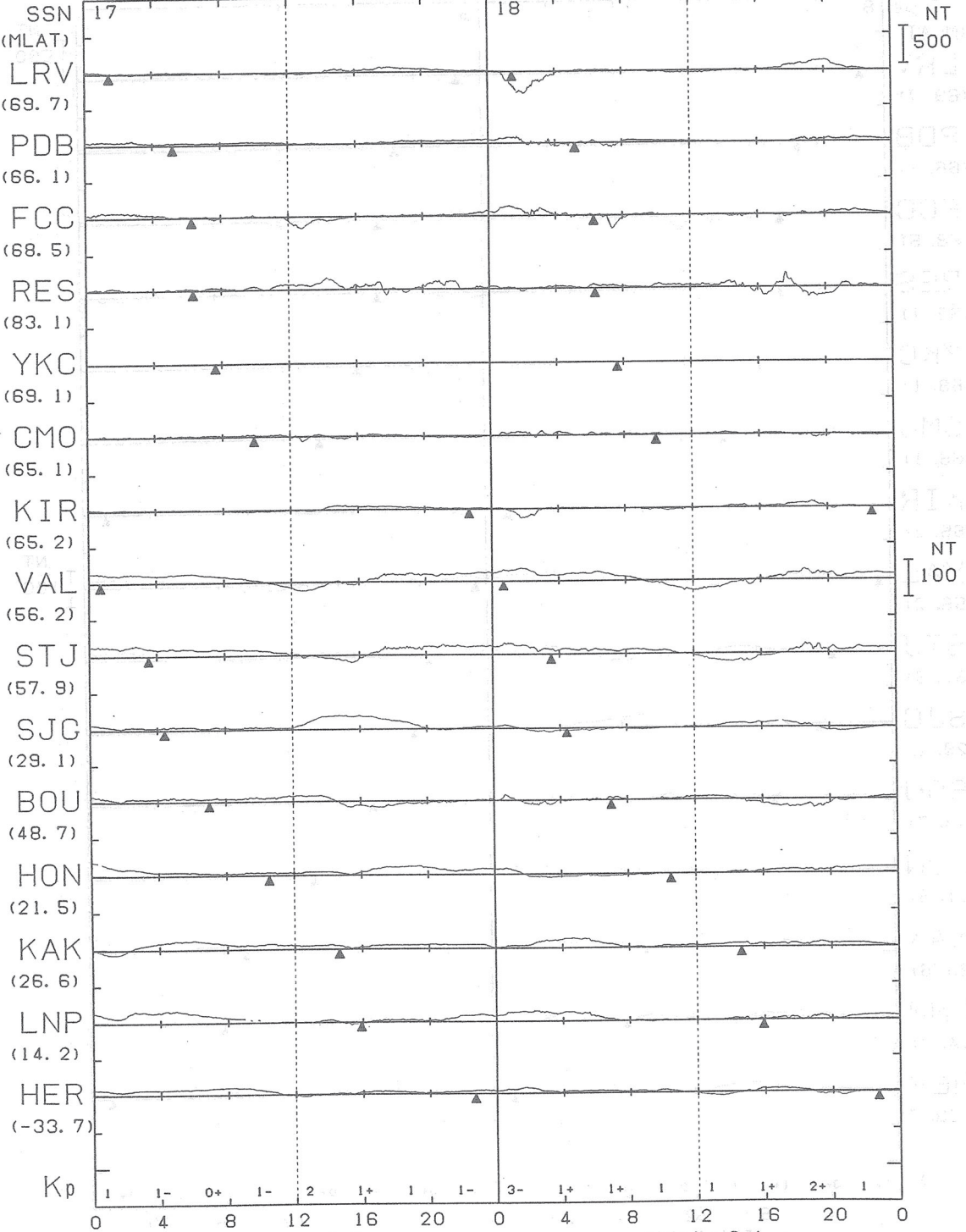
▲ : LOCAL MIDNIGHT



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

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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

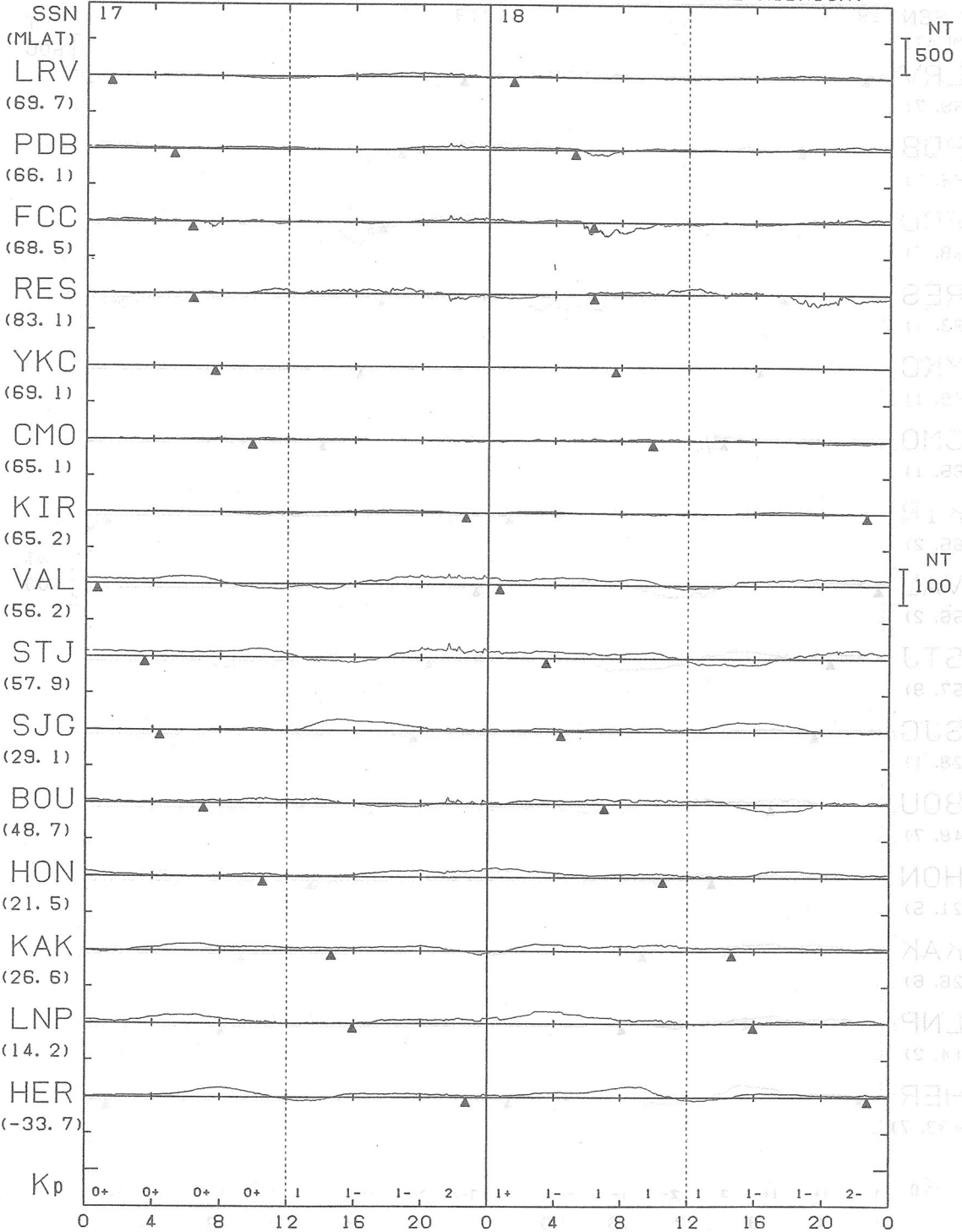


JUN 23
(DAY 175)

JUN 24
(DAY 176)

* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
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1996 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



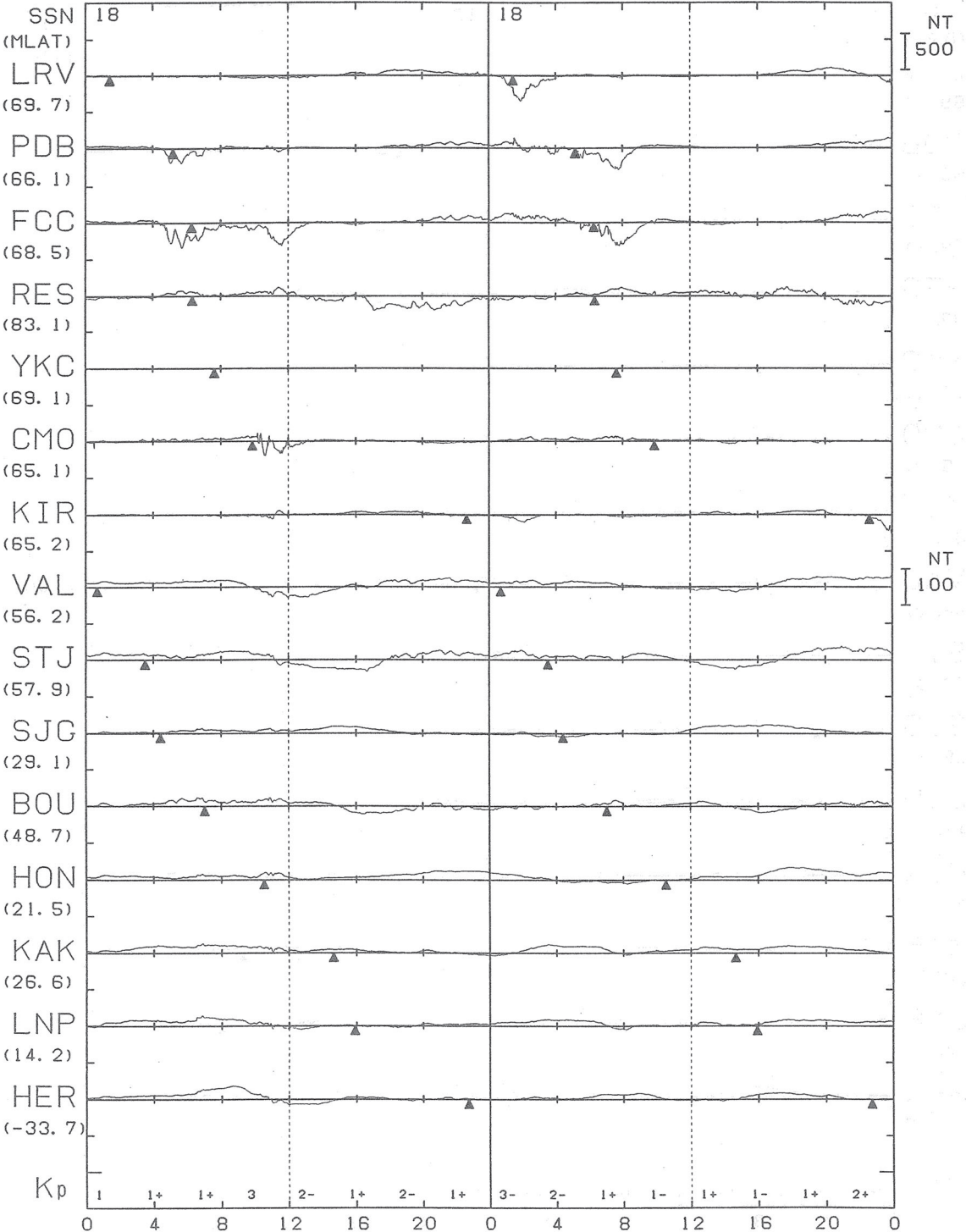
JUN 25
(DAY 177)

JUN 26
(DAY 178)

* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH
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1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

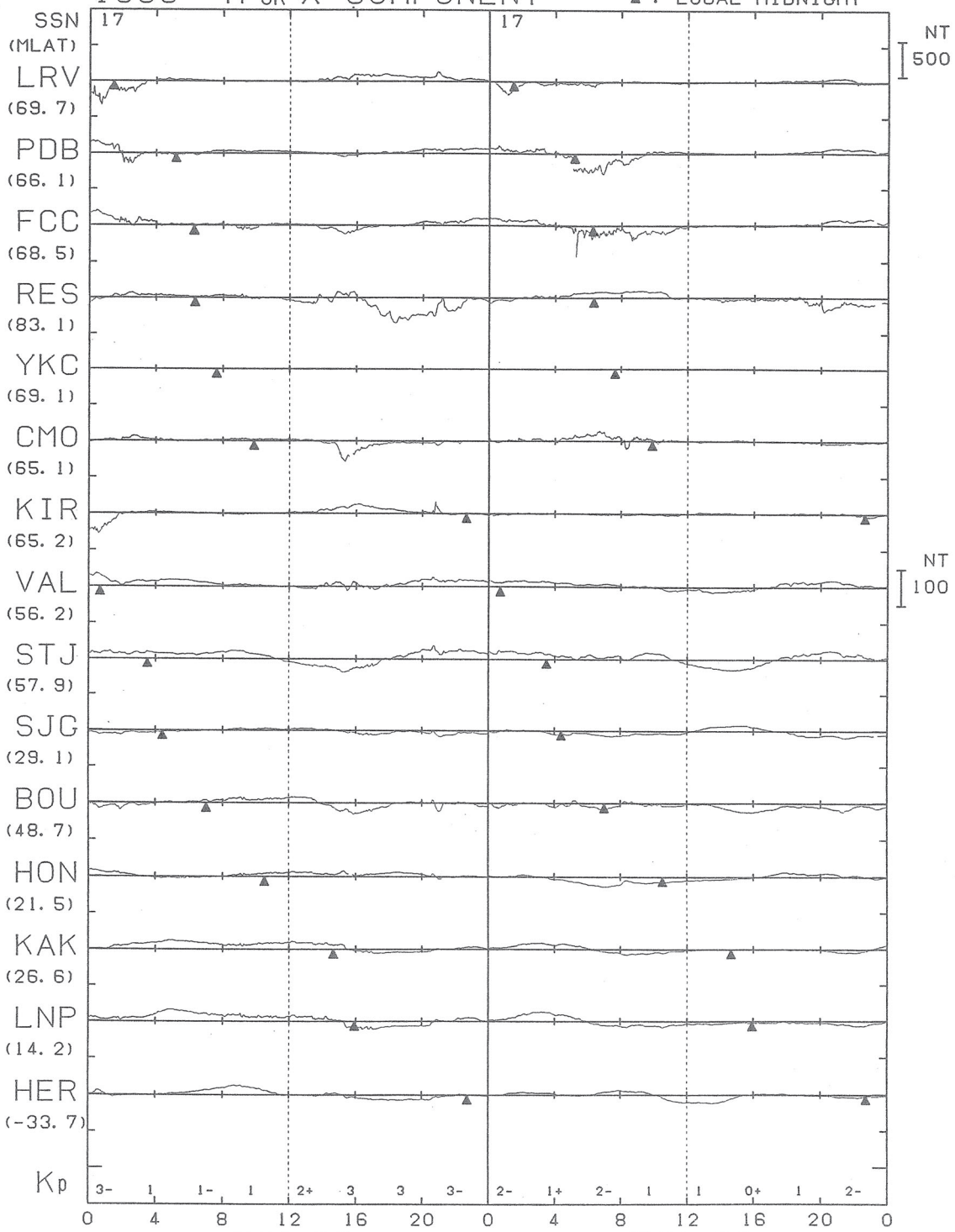


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISES ARE NOT ELIMINATED ENOUGH

RECEIVED JUN 28 1996
 10:00 AM
 1996 JUN 28 10:00 AM
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1996 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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