

PROVISIONAL GEOMAGNETIC
DATA PLOTS
NO.34

(July - December, 2006)

February 2007

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 July - December, 2006 with the Kp index and the international sunspot number. One minute values of the horizontal (or the northward) component are plotted after subtracting the monthly mean of the five-quiet days. The purpose of this booklet is to give the information of world-wide geomagnetic disturbances with high-time resolution as early as possible. Hence the provisional data without base-line adjustment or noise reduction (marked with * in Table 1) are included. There still remain artificial noises on the plots though we tried to eliminate them. Users should be careful on these points, and the plots in this booklet should not be used in other publications.

These data were kindly provided through the following organizations.

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

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

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

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

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

IP address: 130.54.59.253 (swdcdb)

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

Each file is compressed and has a name YYMMD1-D2.ps.gz (for example, 060821-22.ps.gz for August 21-22, 2006). Each file contains the plot of the each page of this booklet. Files should be transferred in binary mode and uncompressed.

For further information or the digital data, please contact

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

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

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

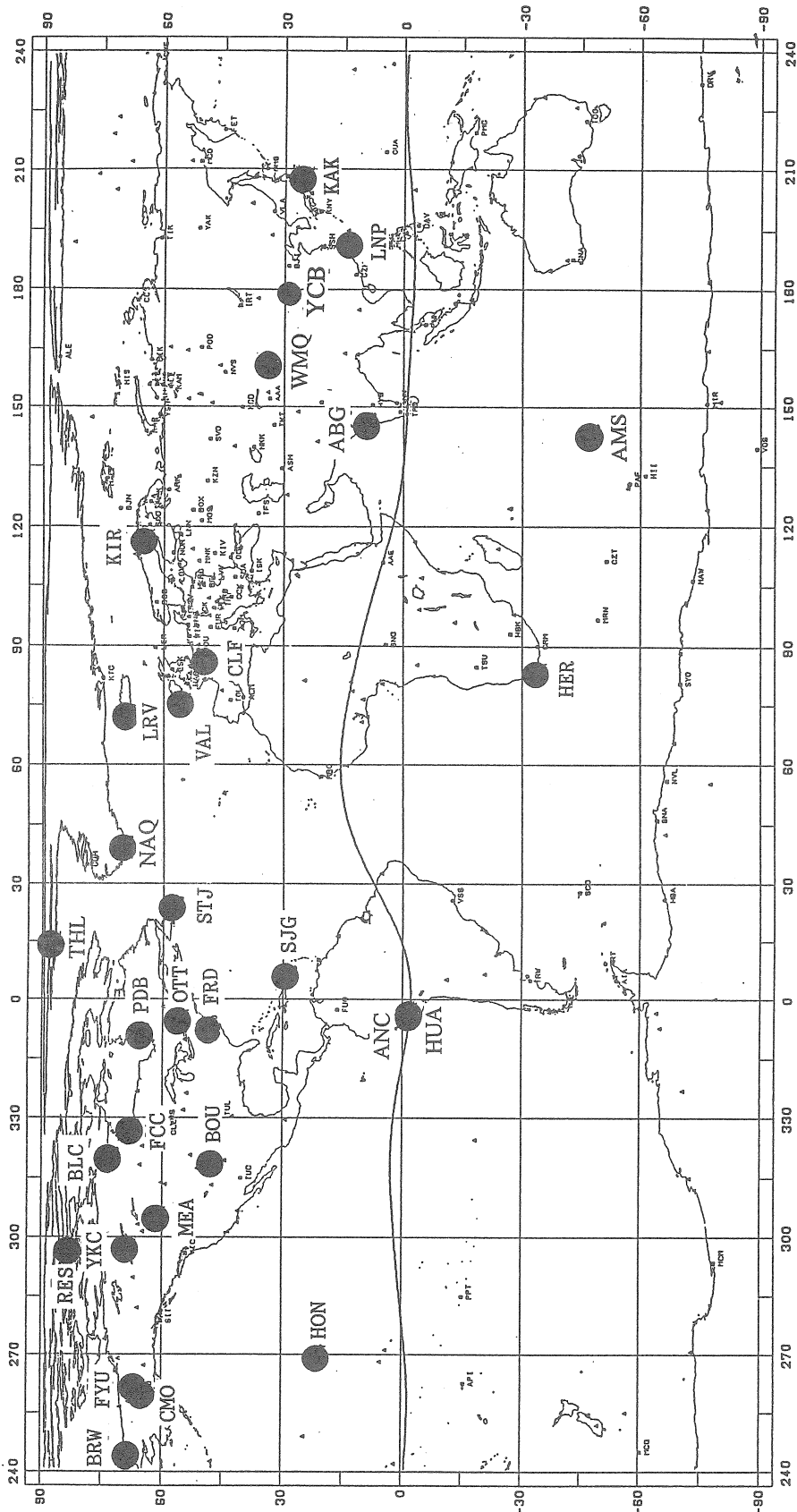
STATION NAME	ABB CODE	ORG No.	GEOGRAPHIC		GEOMAGNETIC		INVARIANT PLOT	
			LAT.	LONG.	LAT.	LONG.	LAT.	SCALE
*Tule	THL	9	76.6	291.2	87.2	12.4	85.9	500nT/div
*Resolute Bay	RES	1	74.7	265.1	83.1	296.0	83.9	"
*Baker Lake	BLC	1	64.3	264.0	73.7	319.2	74.6	"
*Narssarssuaq	NAQ	9	61.2	314.6	70.6	38.7	67.5	"
Leirvogur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

*: Provisional data

Acknowledgments:

The compilation of the geomagnetic data and publication of this booklet have been supported in part by grant 17403008 and 188071 under the Japan Society for Promotion of science (JSPS).

DISTRIBUTION OF GEOMAGNETIC OBSERVATORIES



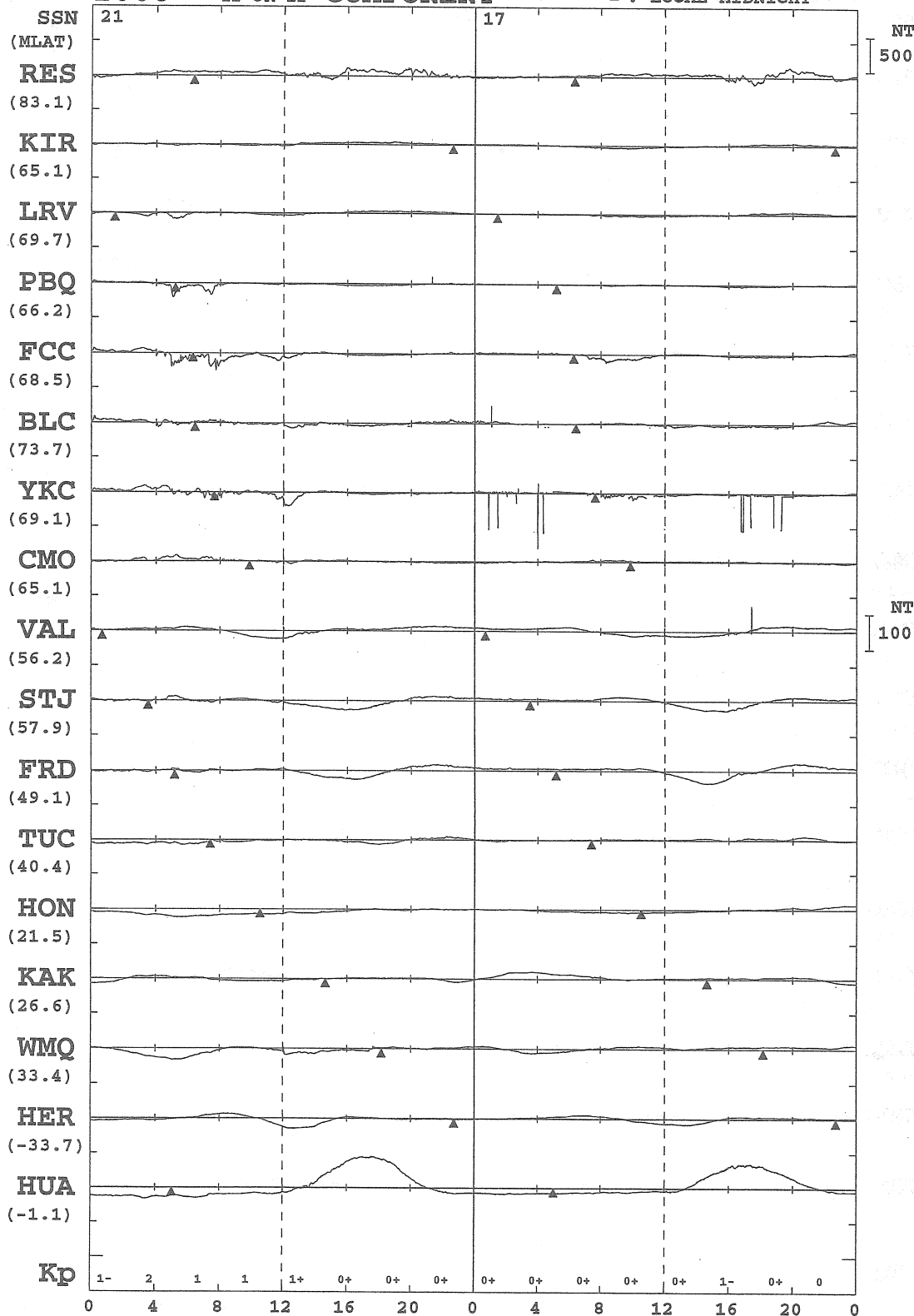
GEOMAGNETIC COORDINATE (1985. 0)

——— DIP EQUATOR AT 100 KM ALTITUDE

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

July - December, 2006

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



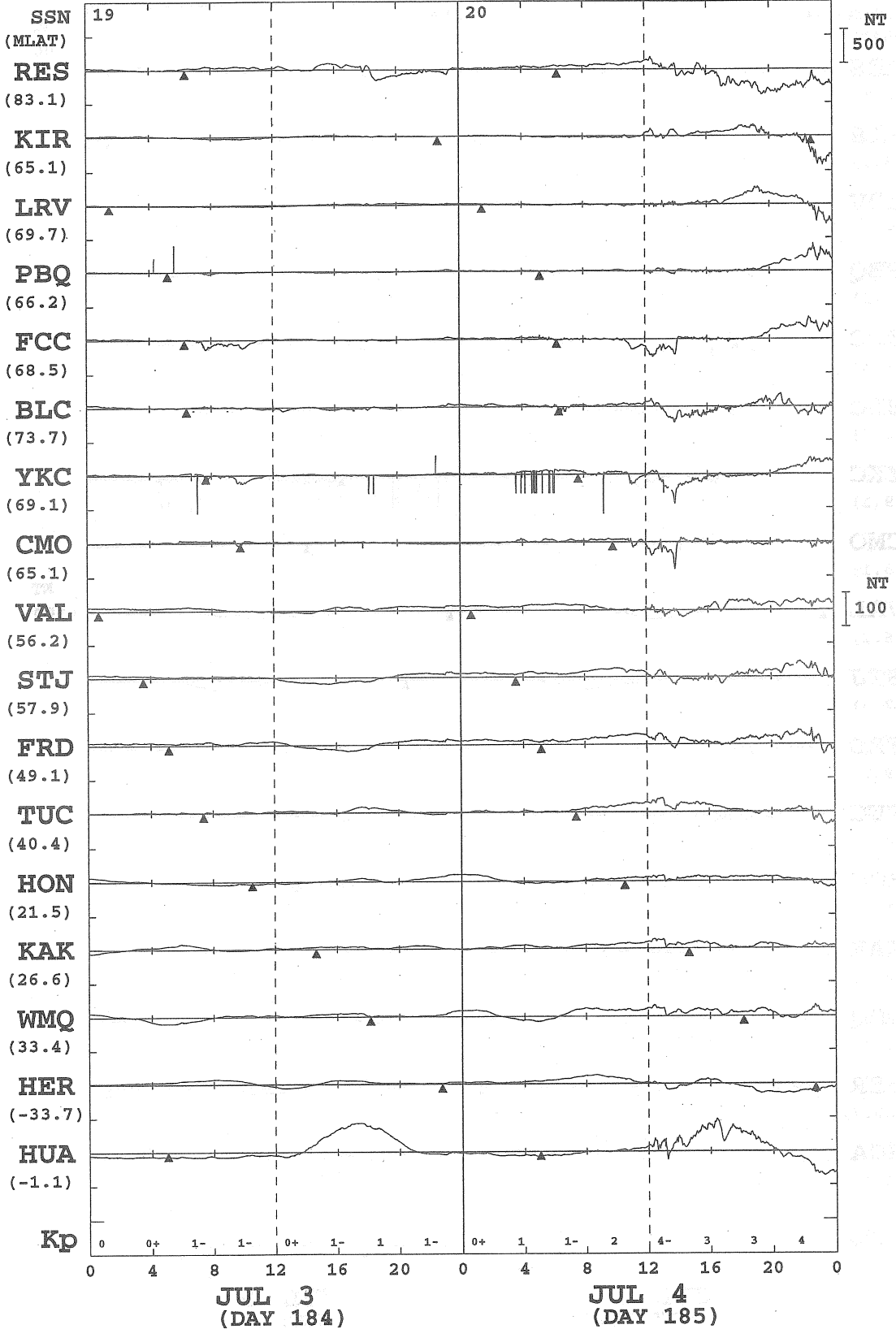
JUL 1
(DAY 182)

JUL 2
(DAY 183)

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

2006 H OR X-COMPONENT

△ : LOCAL MIDNIGHT

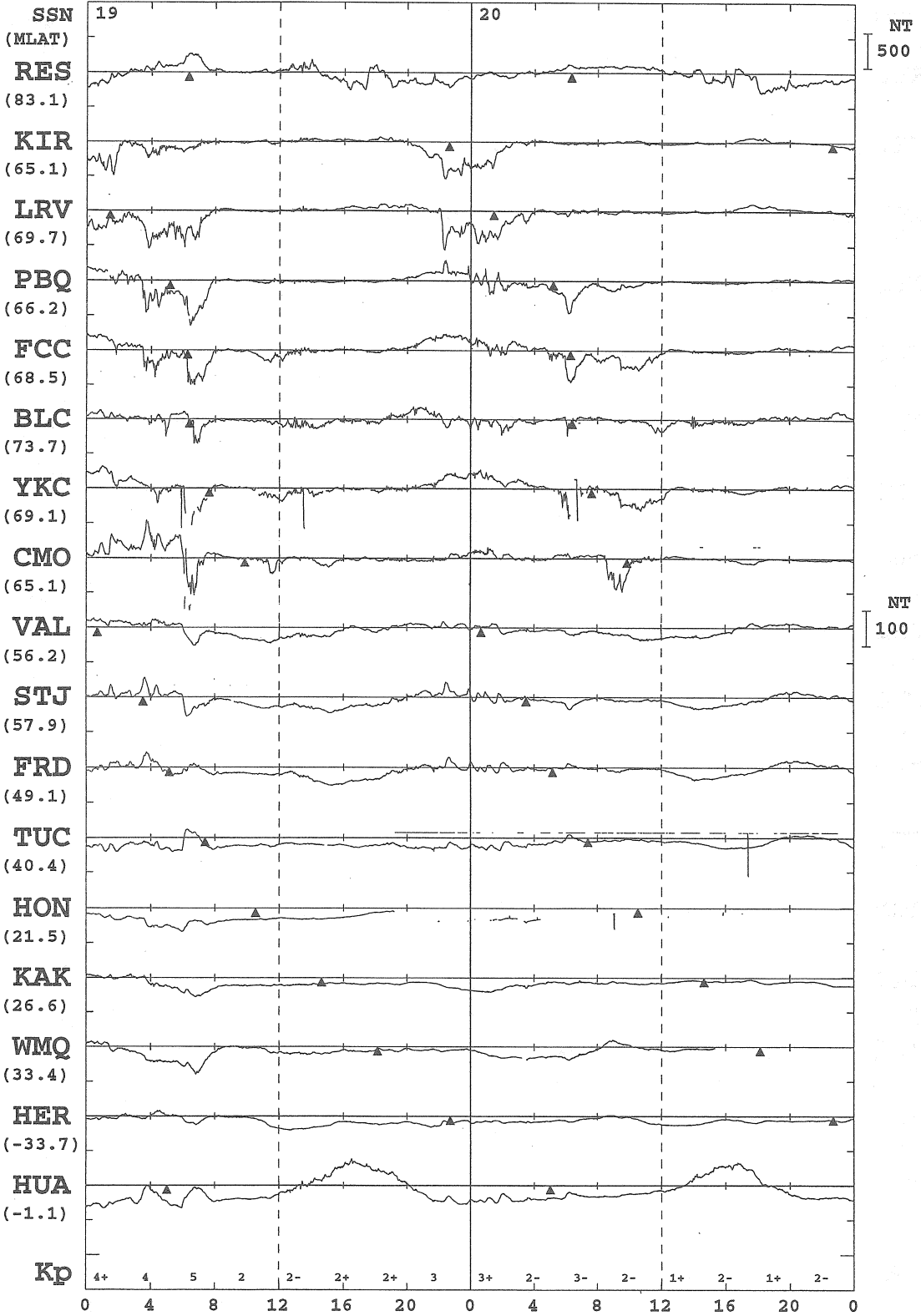


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



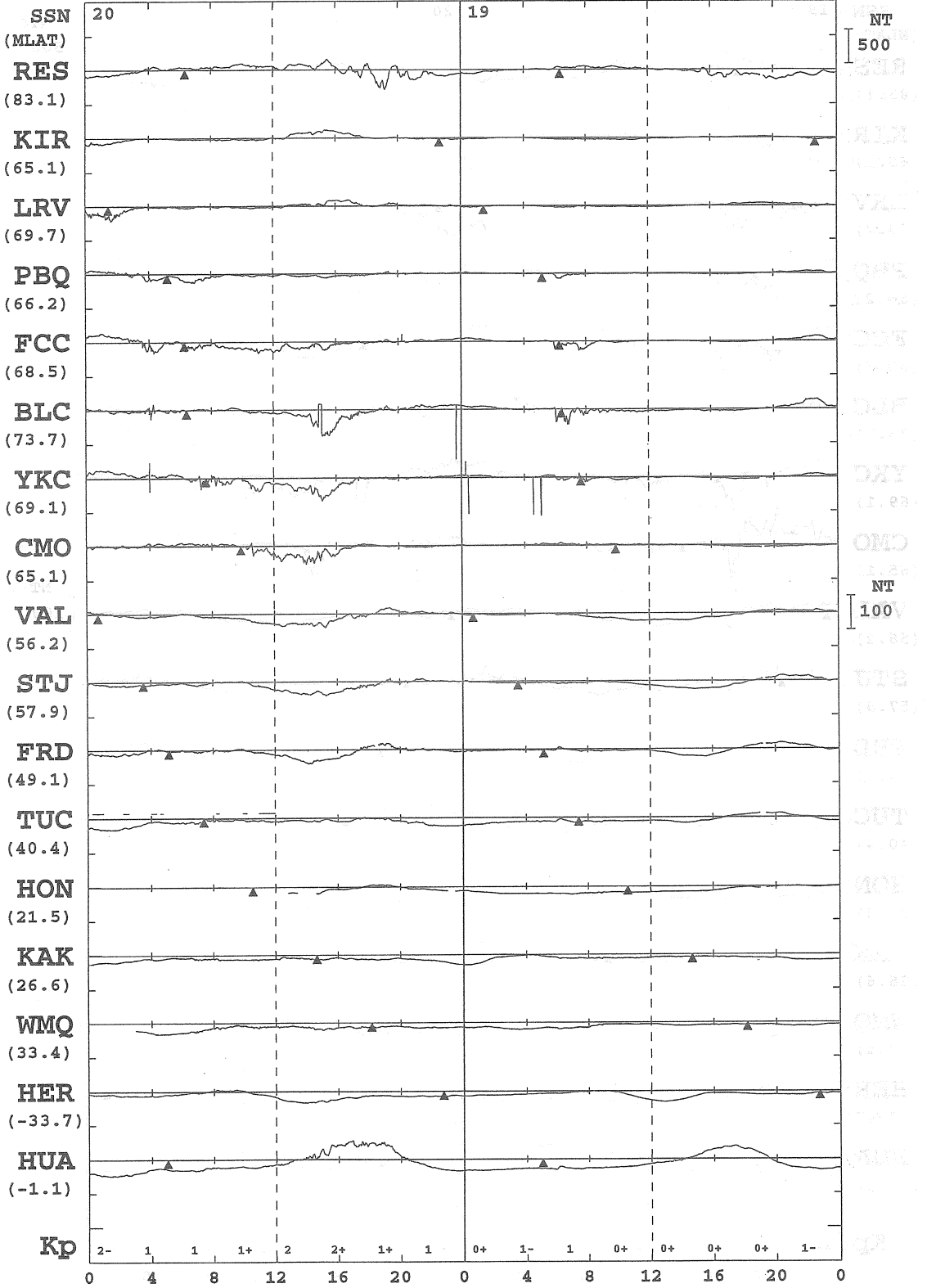
JUL 5
(DAY 186)

JUL 6
(DAY 187)

* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



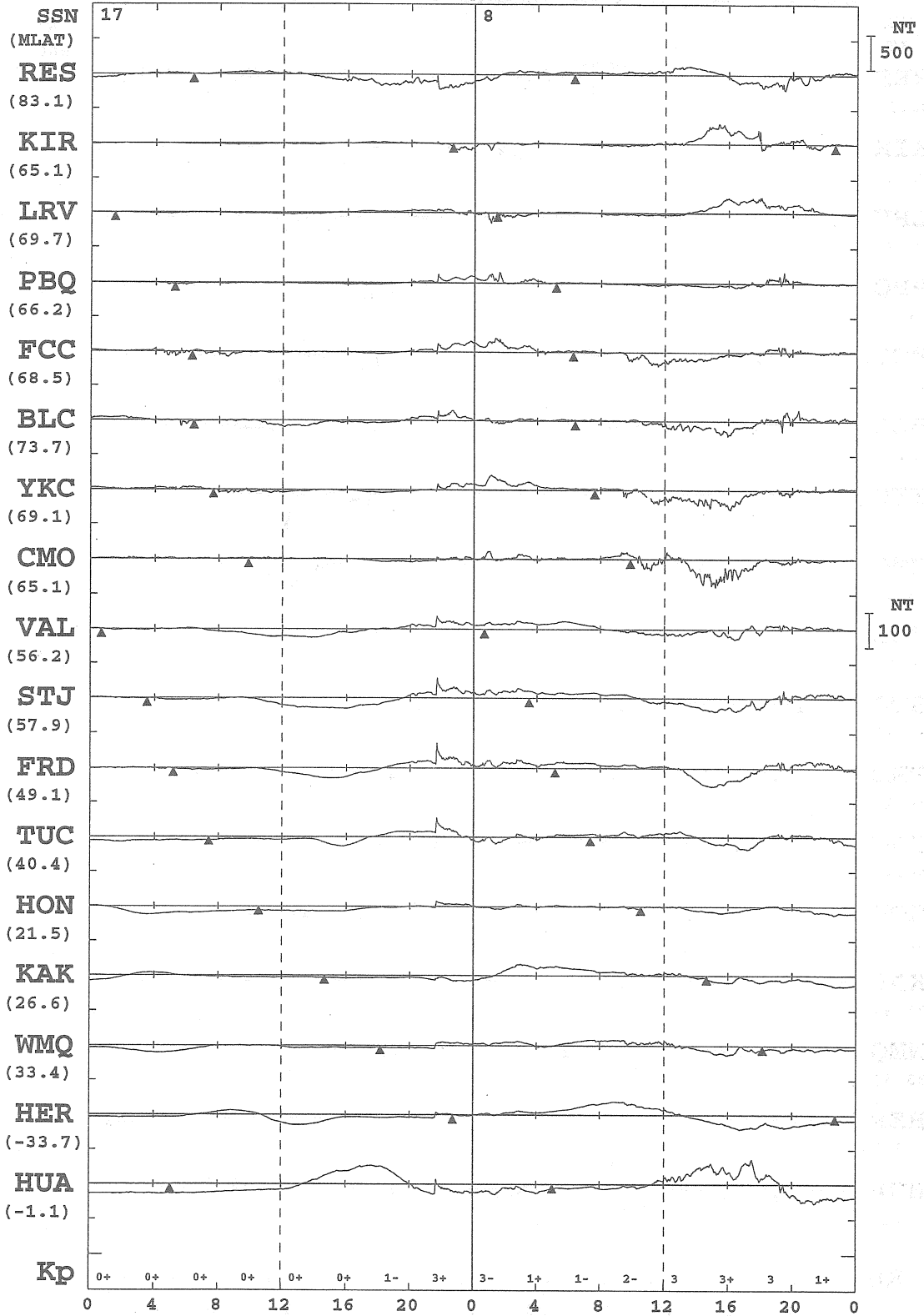
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(DAY 188)

JUL 8
(DAY 189)

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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JUL 9 (DAY 190)

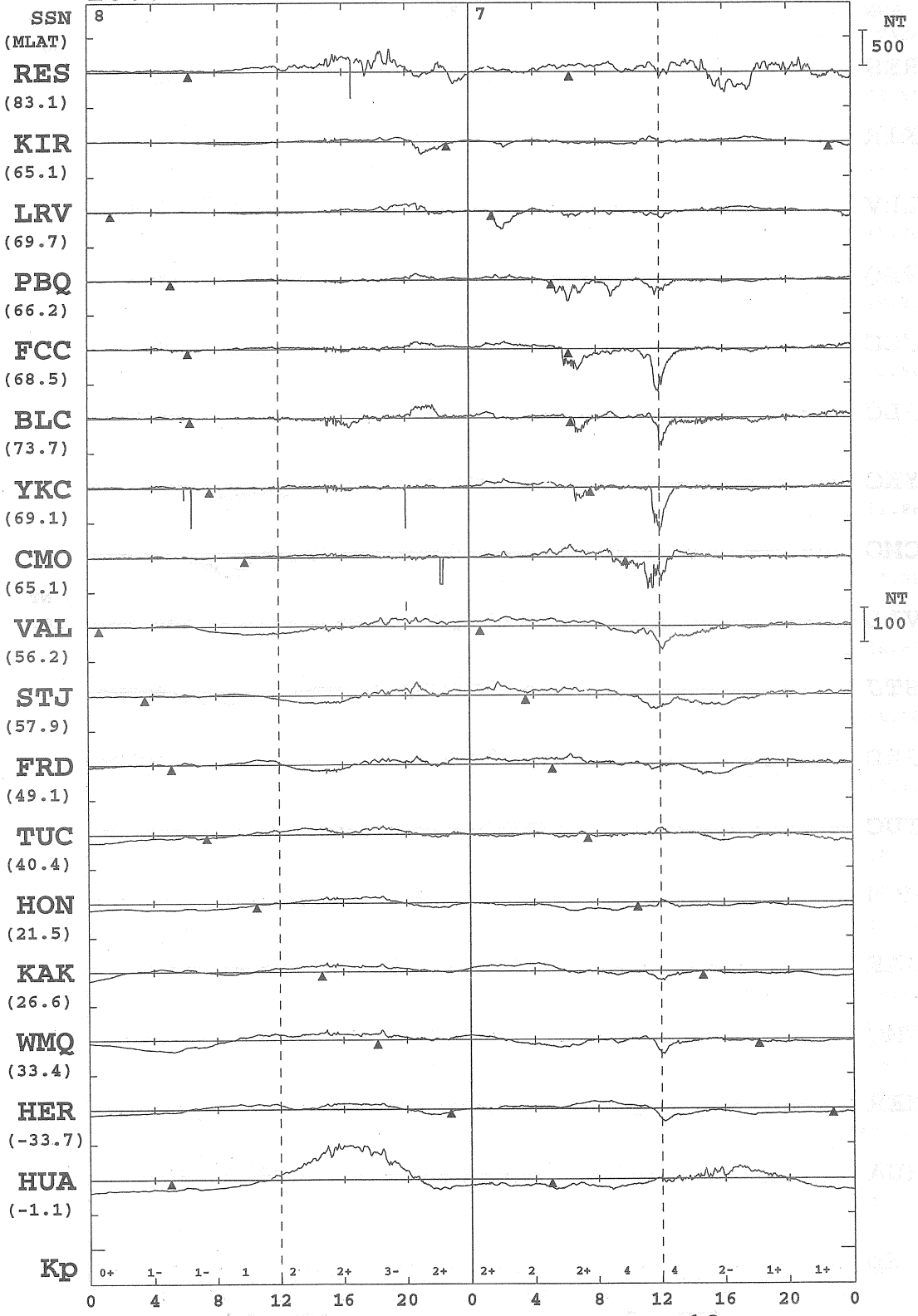
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* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT

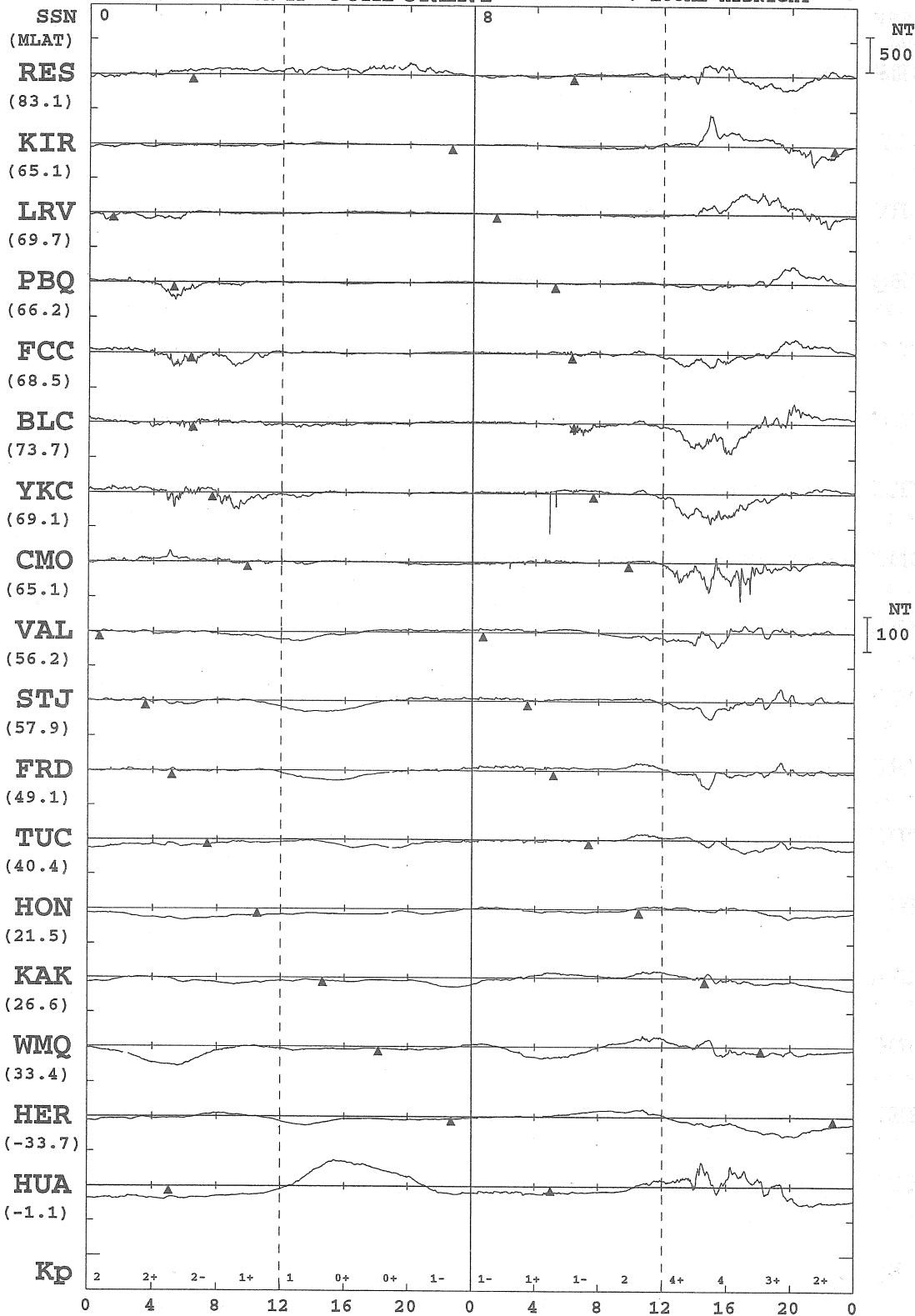


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



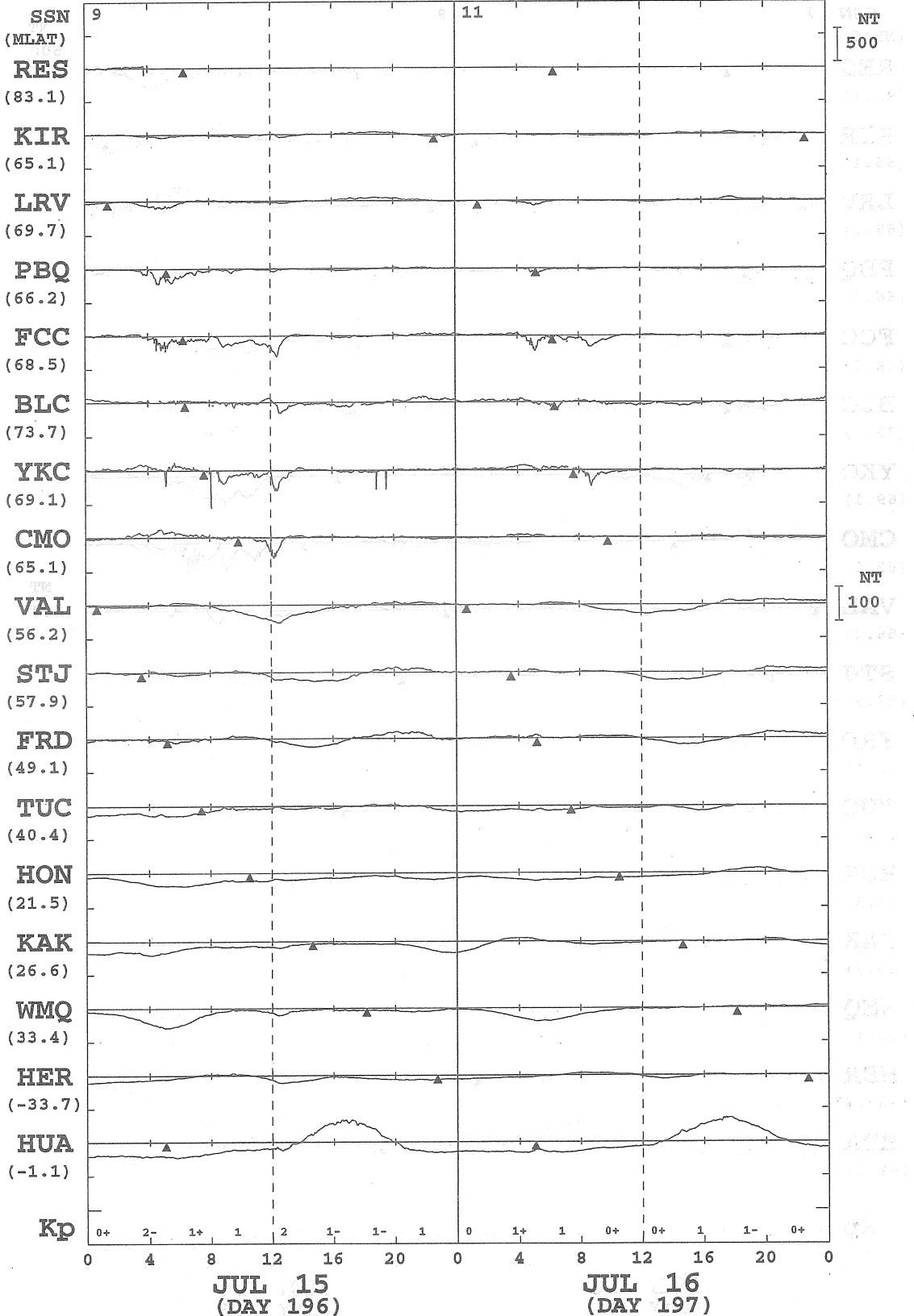
JUL 13
(DAY 194)

JUL 14
(DAY 195)

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KYOTO UNIV.

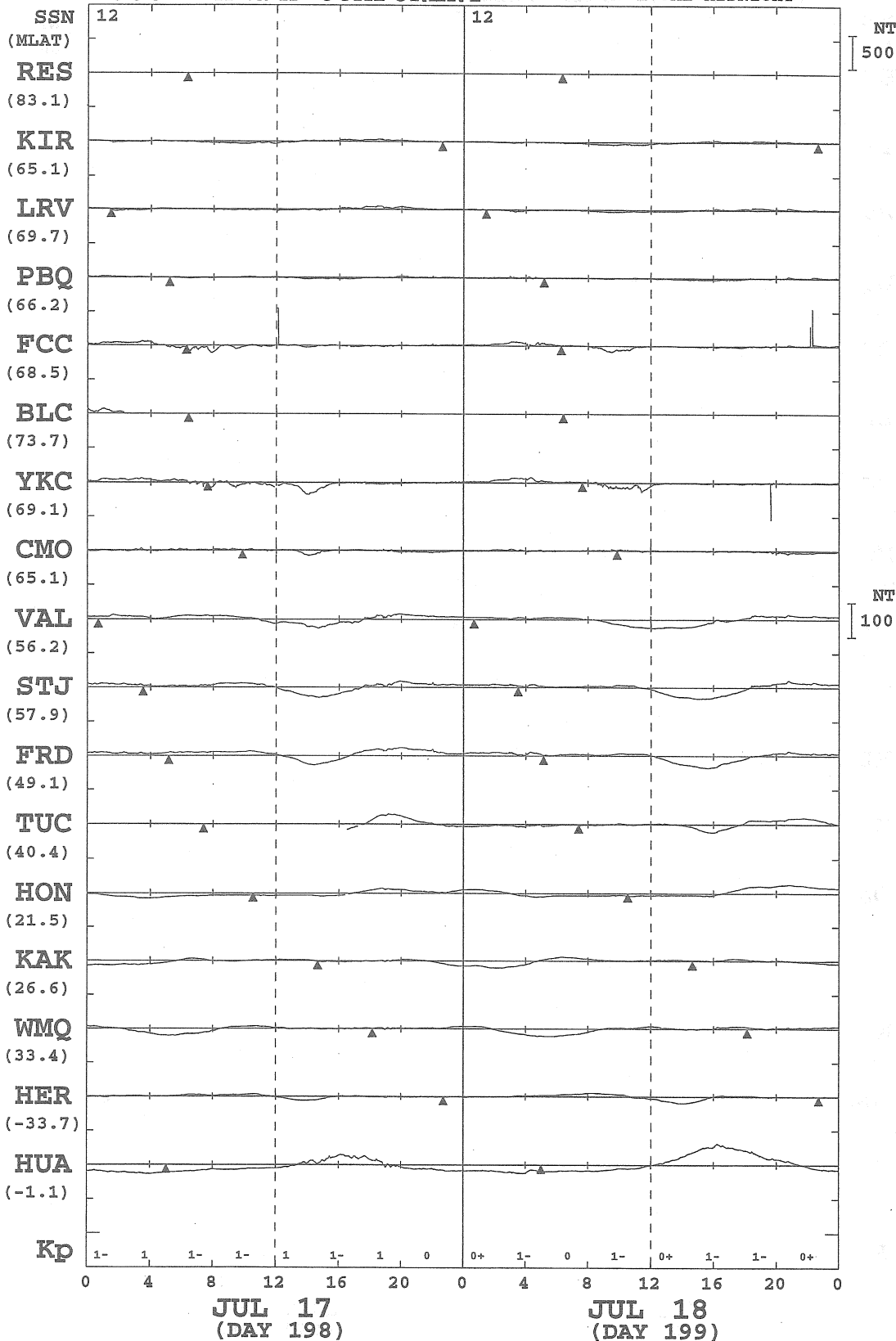
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

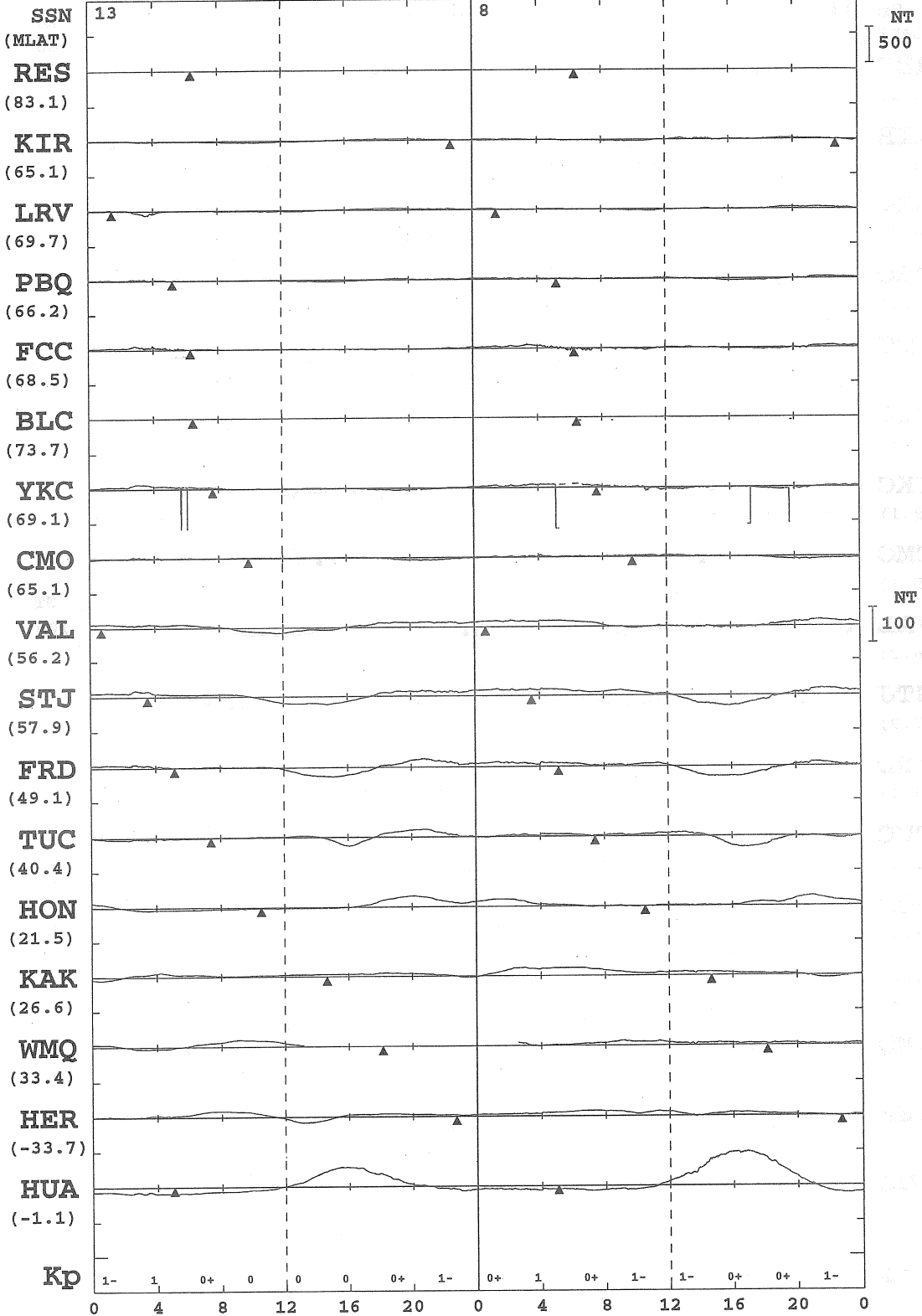
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
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2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



JUL 19
(DAY 200)

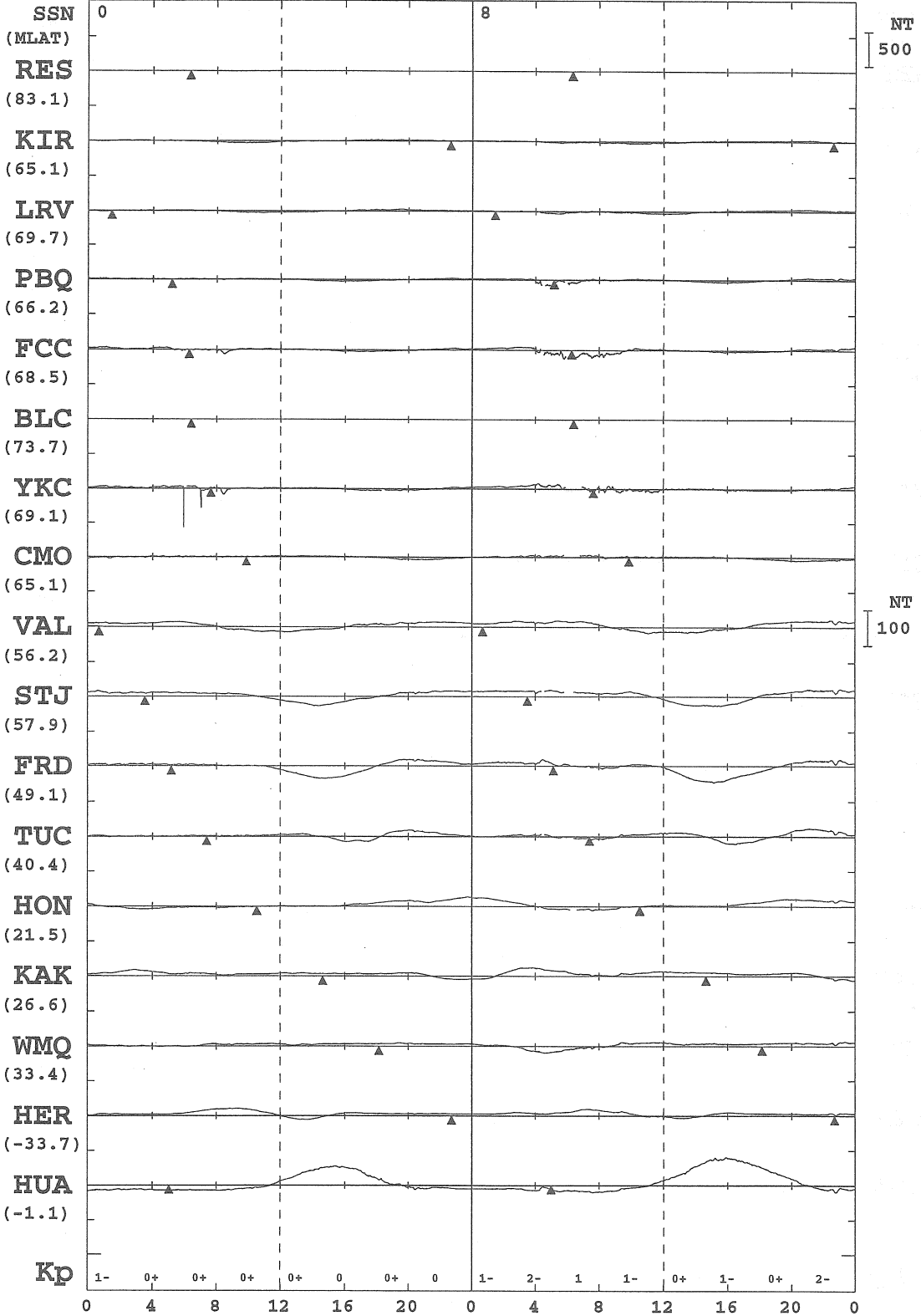
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(DAY 201)

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

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 1999.07.20 00:00:00
 KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



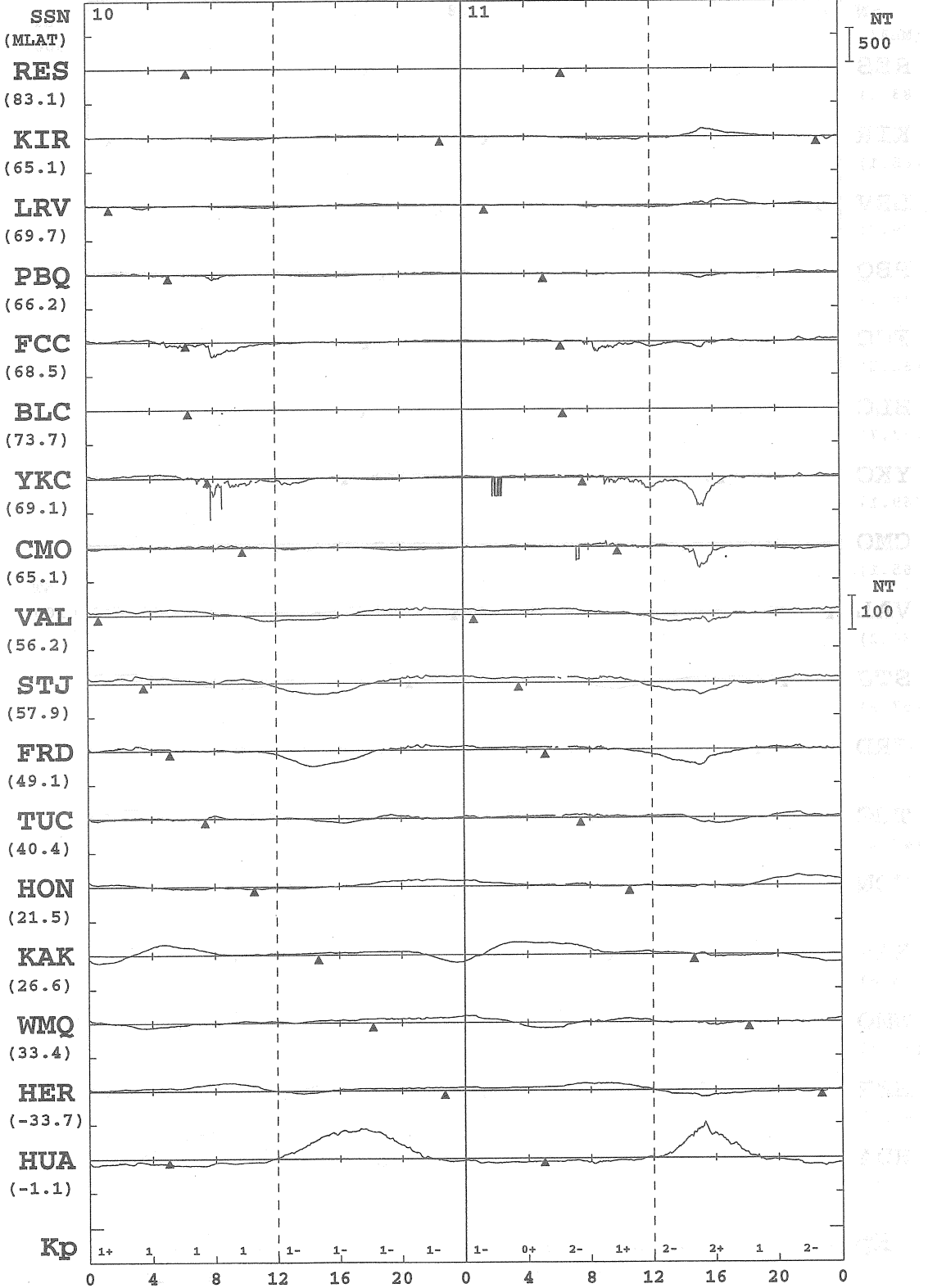
JUL 21
(DAY 202)

JUL 22
(DAY 203)

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

KYOTO UNIV.

2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



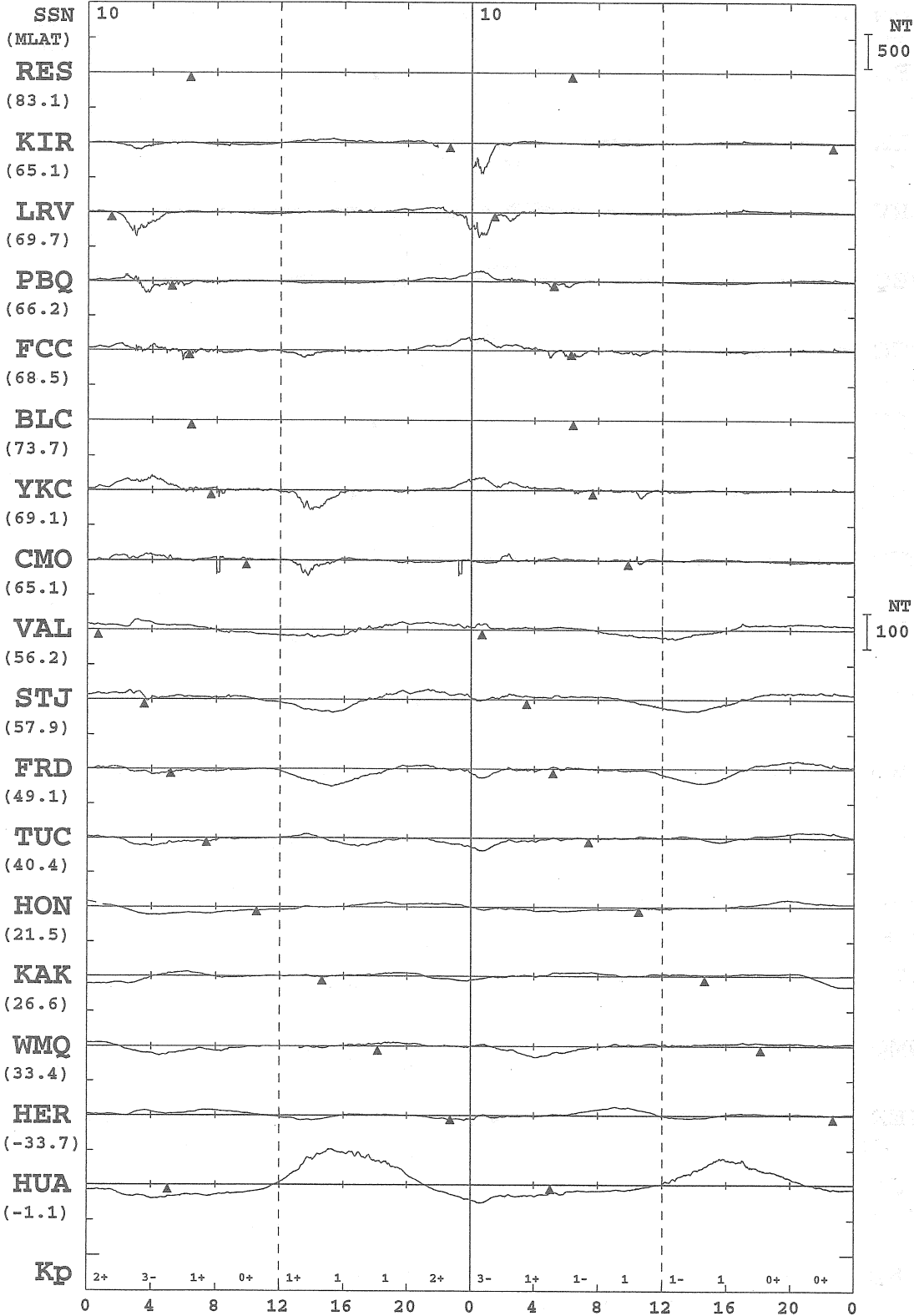
JUL 23
(DAY 204)

JUL 24
(DAY 205)

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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

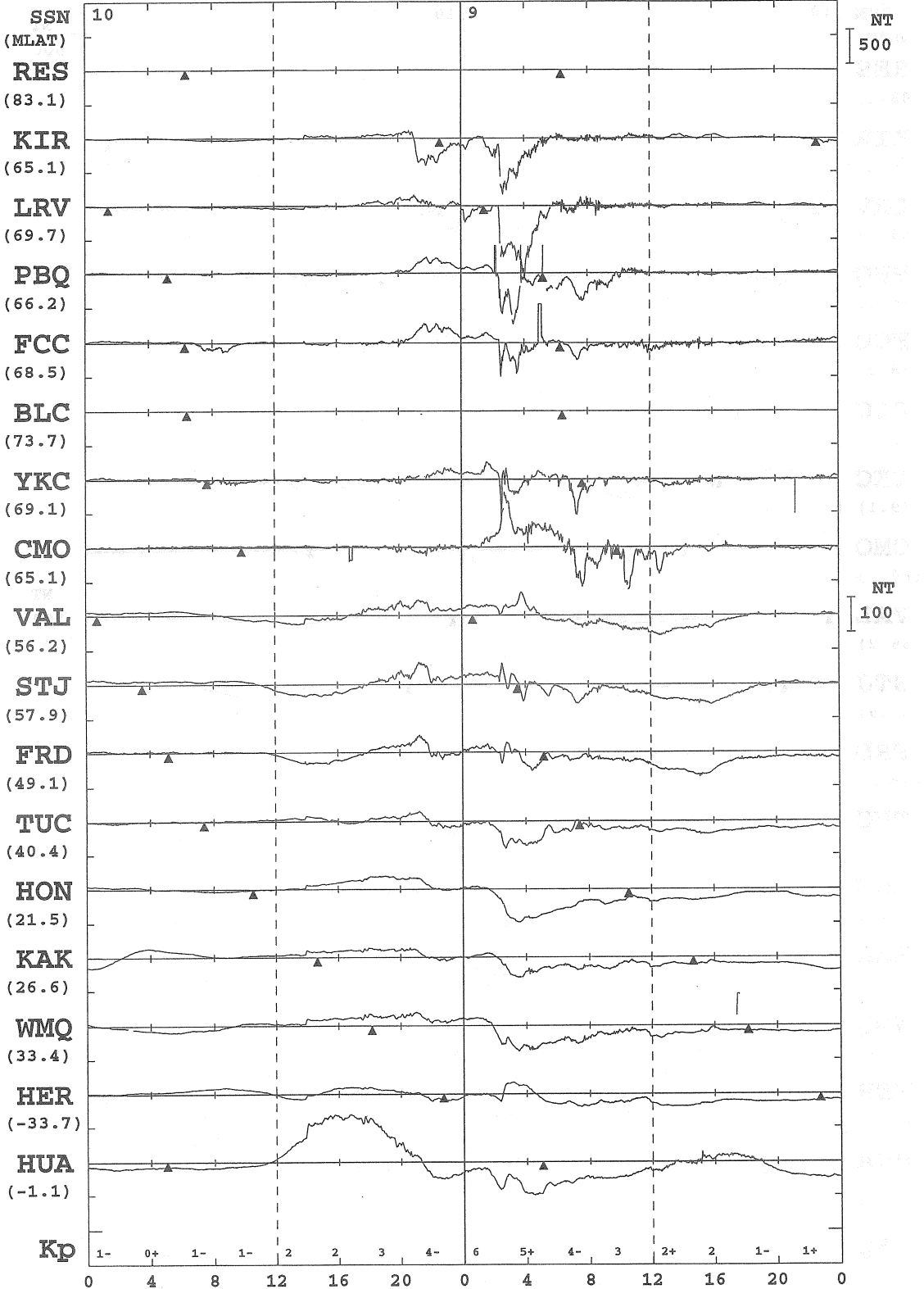


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 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



JUL 27
(DAY 208)

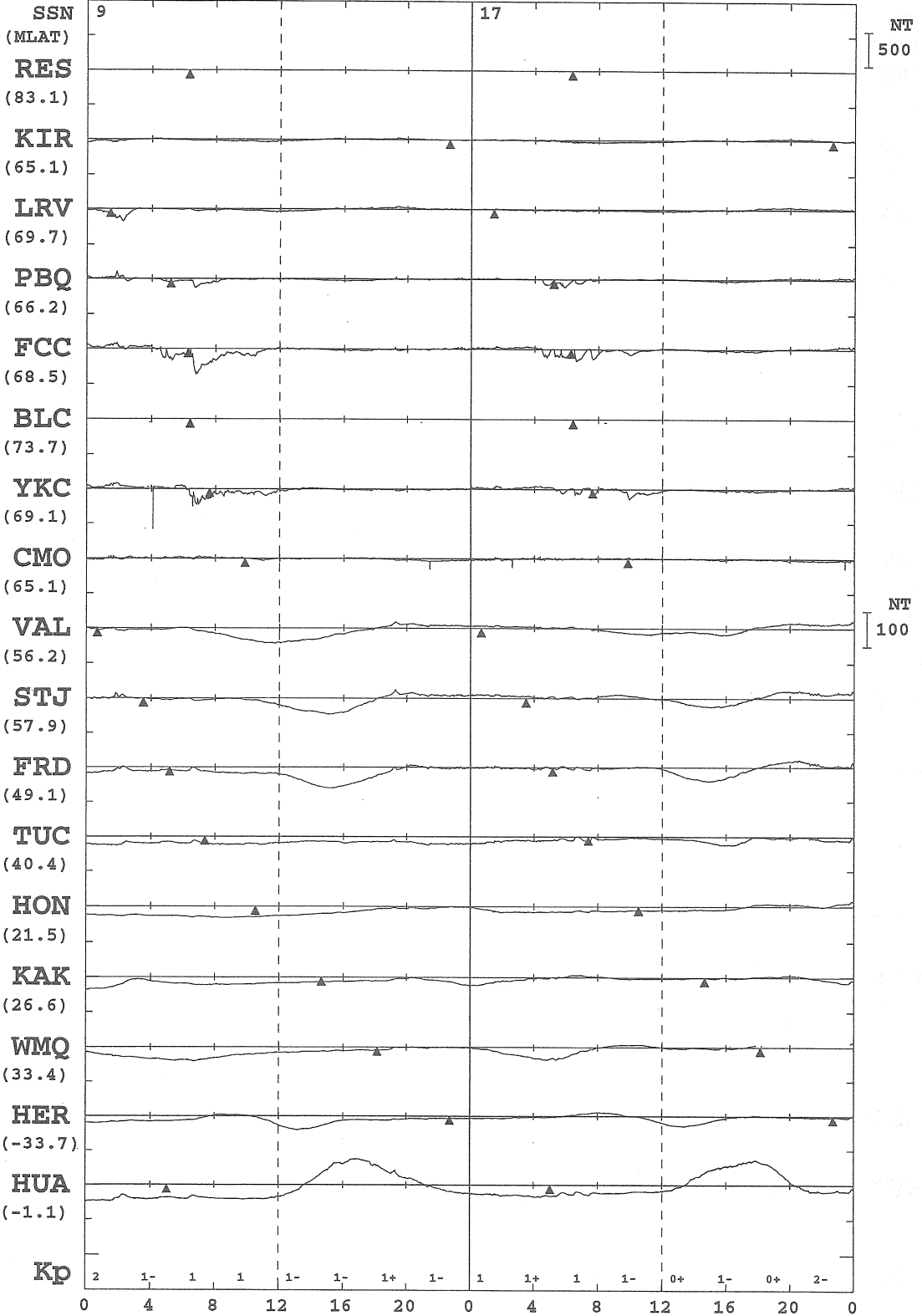
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(DAY 209)

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

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2006 H OR X-COMPONENT

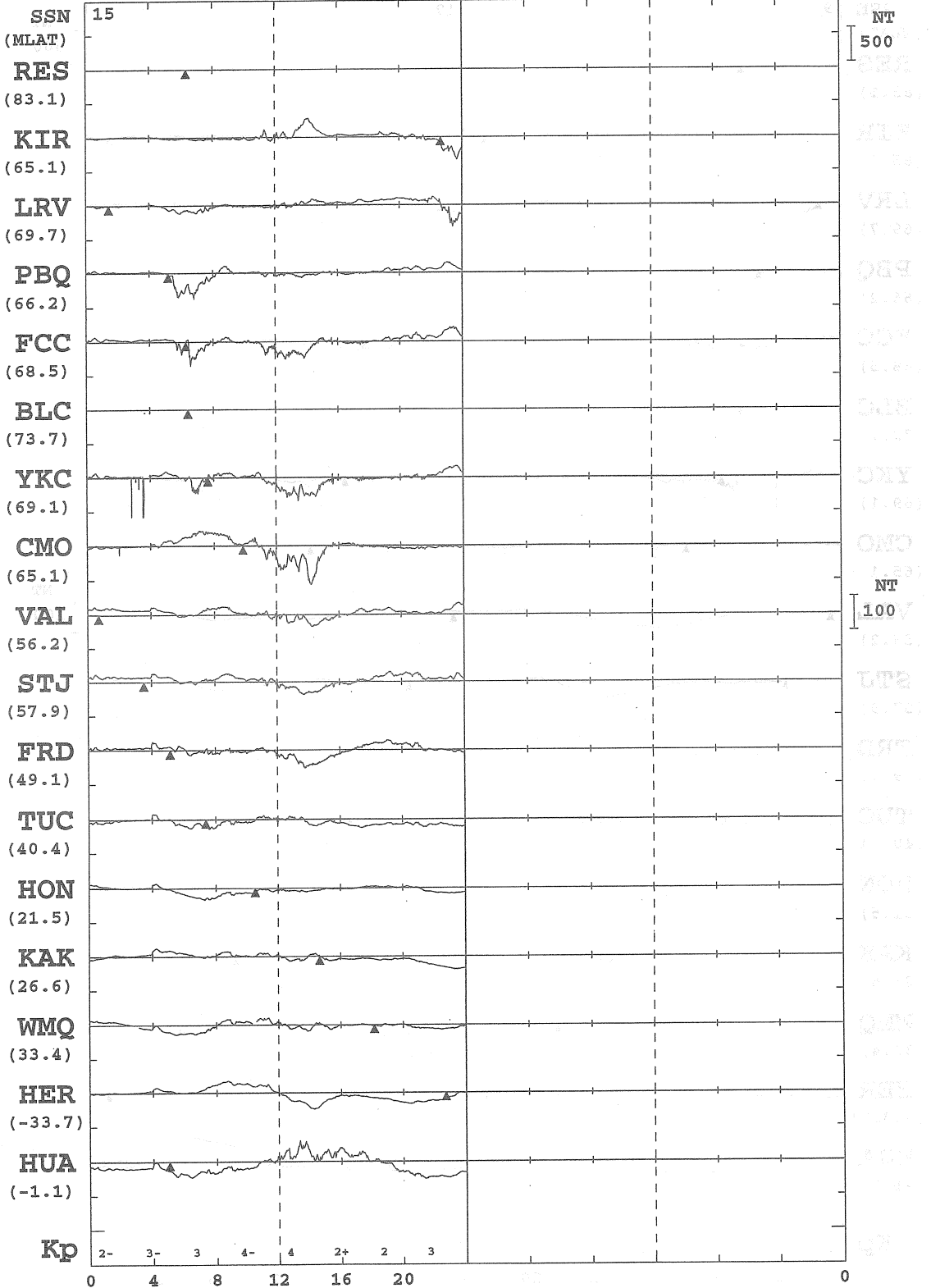
▲ : LOCAL MIDNIGHT



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

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2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

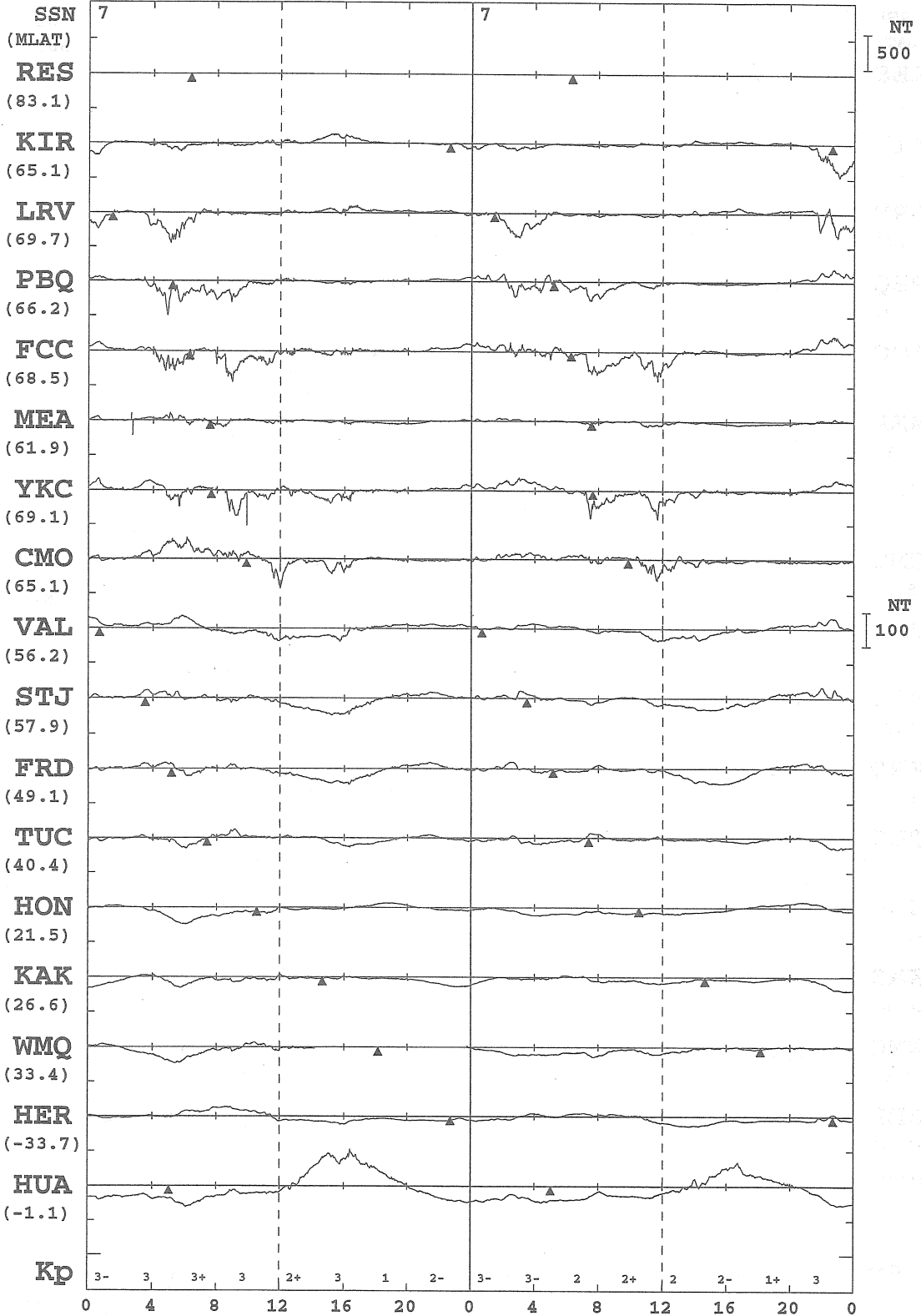


JUL 31
(DAY 212)

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

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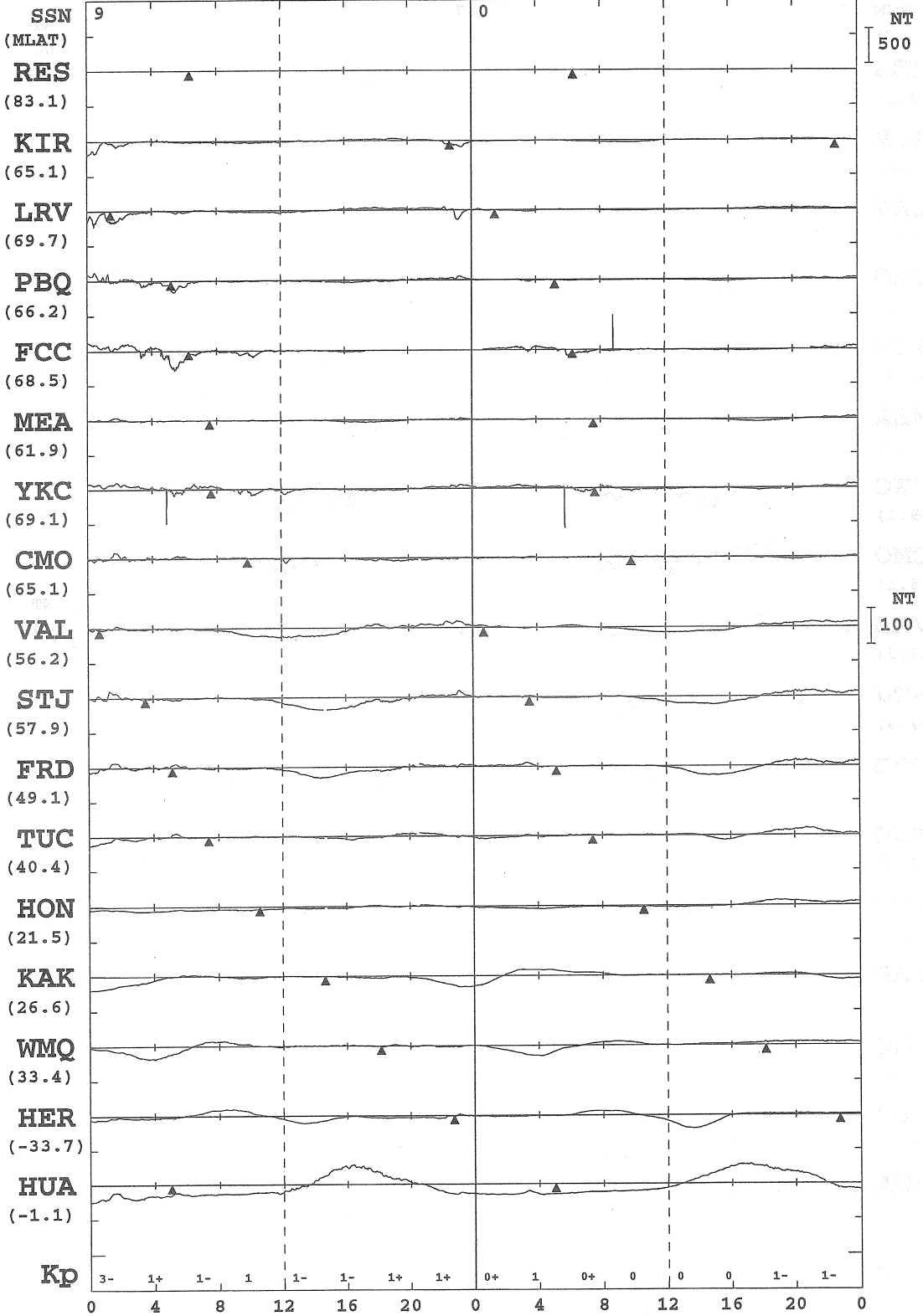
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT

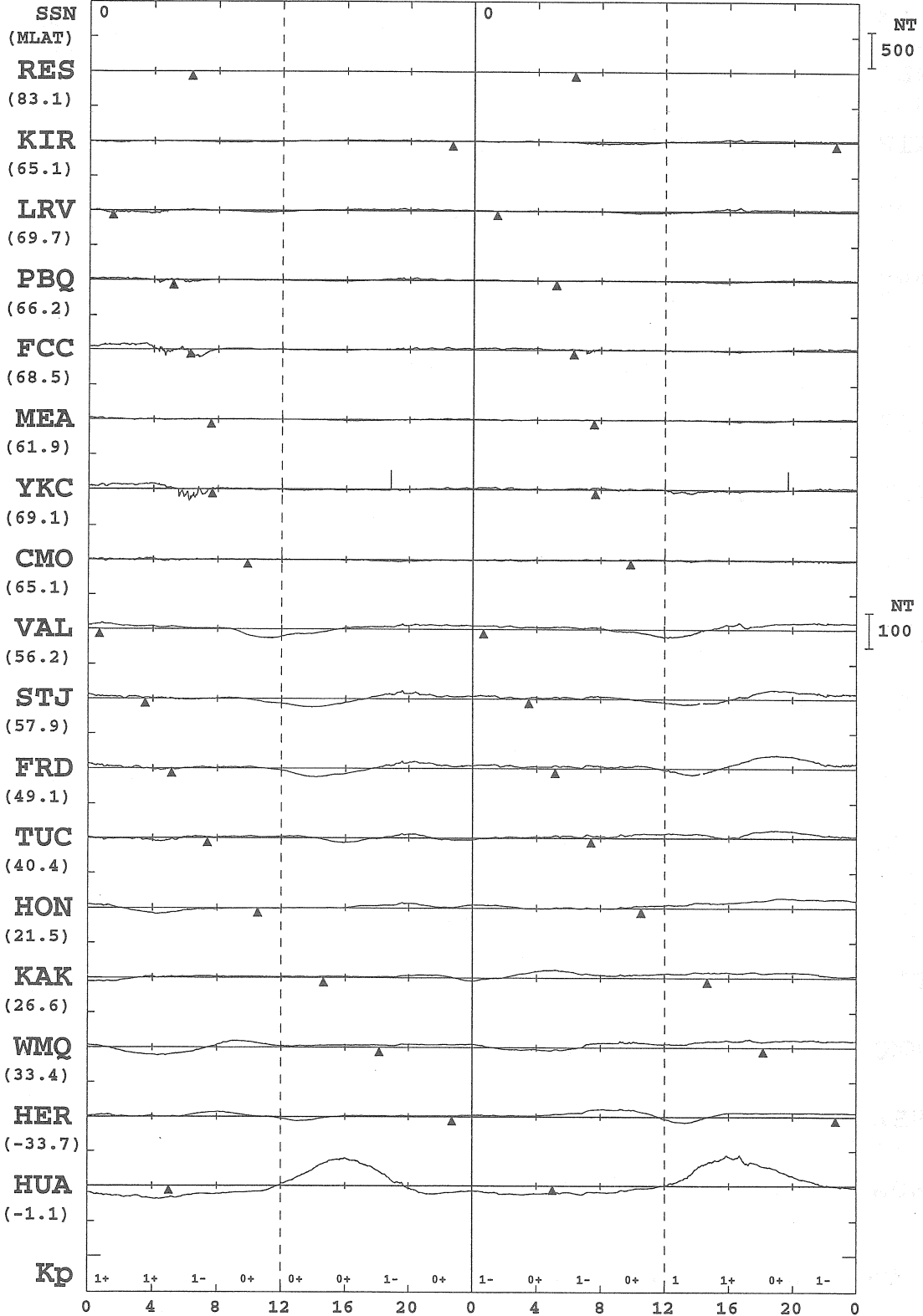
▲ : LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



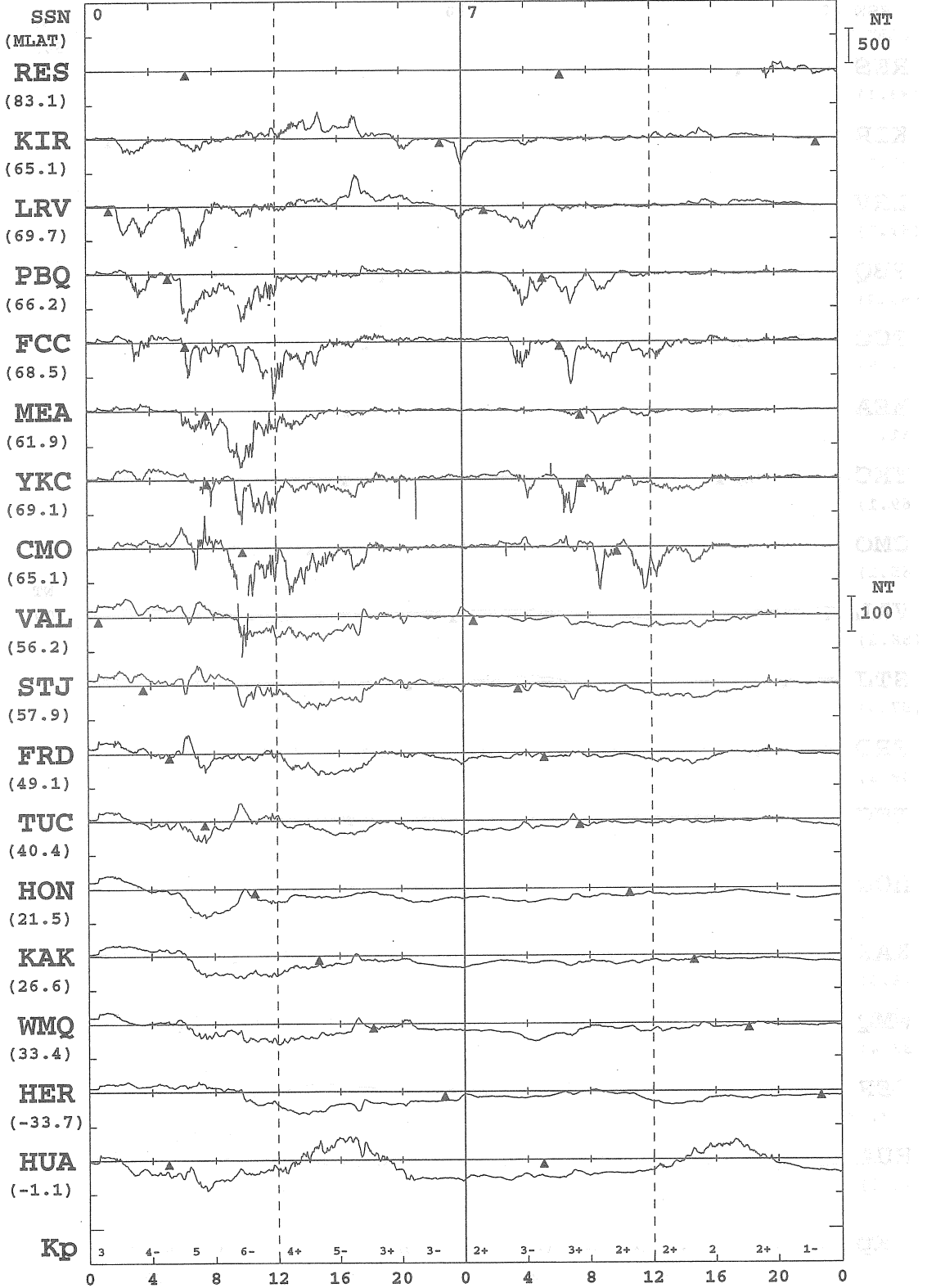
AUG 5
(DAY 217)

AUG 6
(DAY 218)

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

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2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



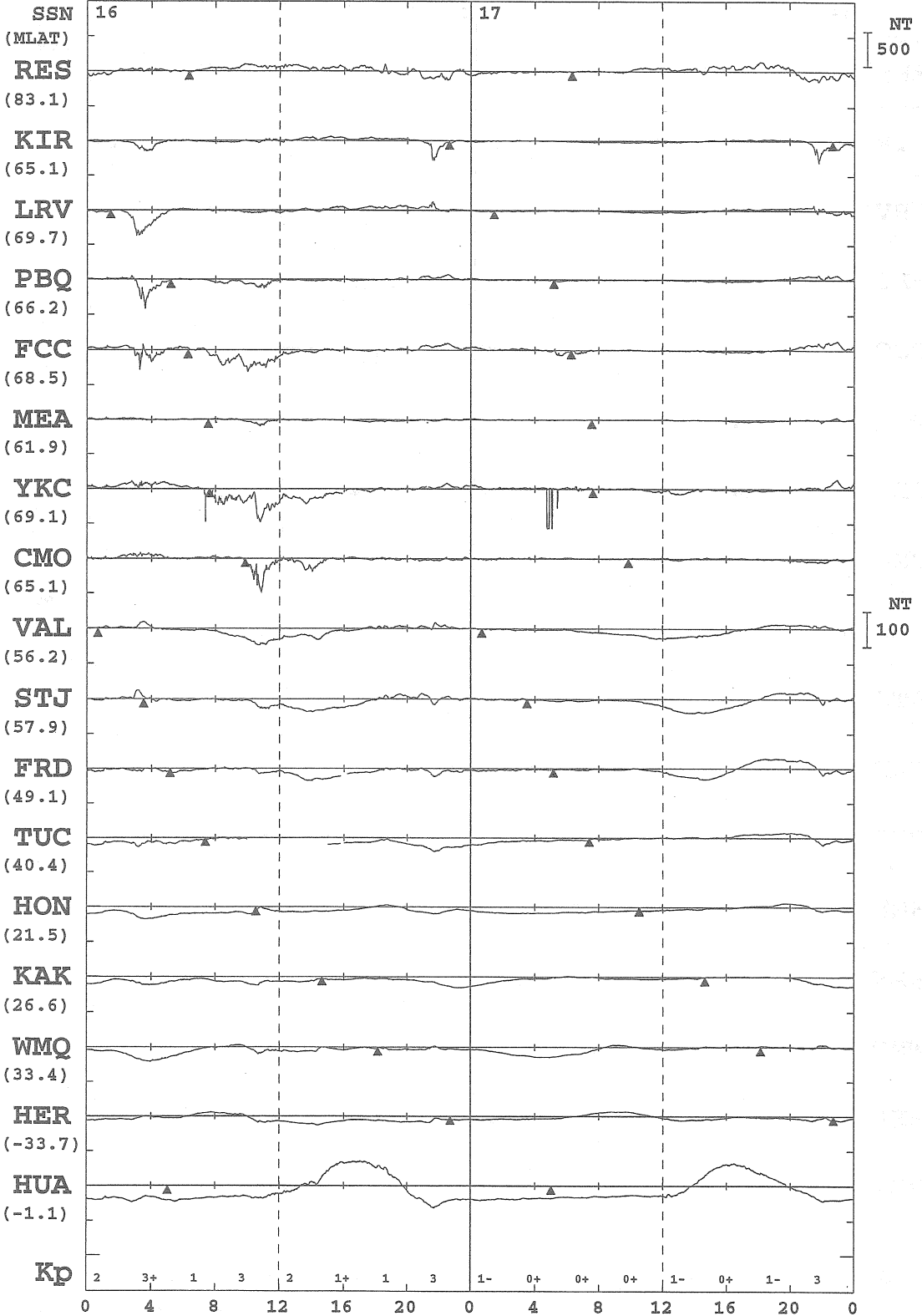
AUG 7
(DAY 219)

AUG 8
(DAY 220)

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

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2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

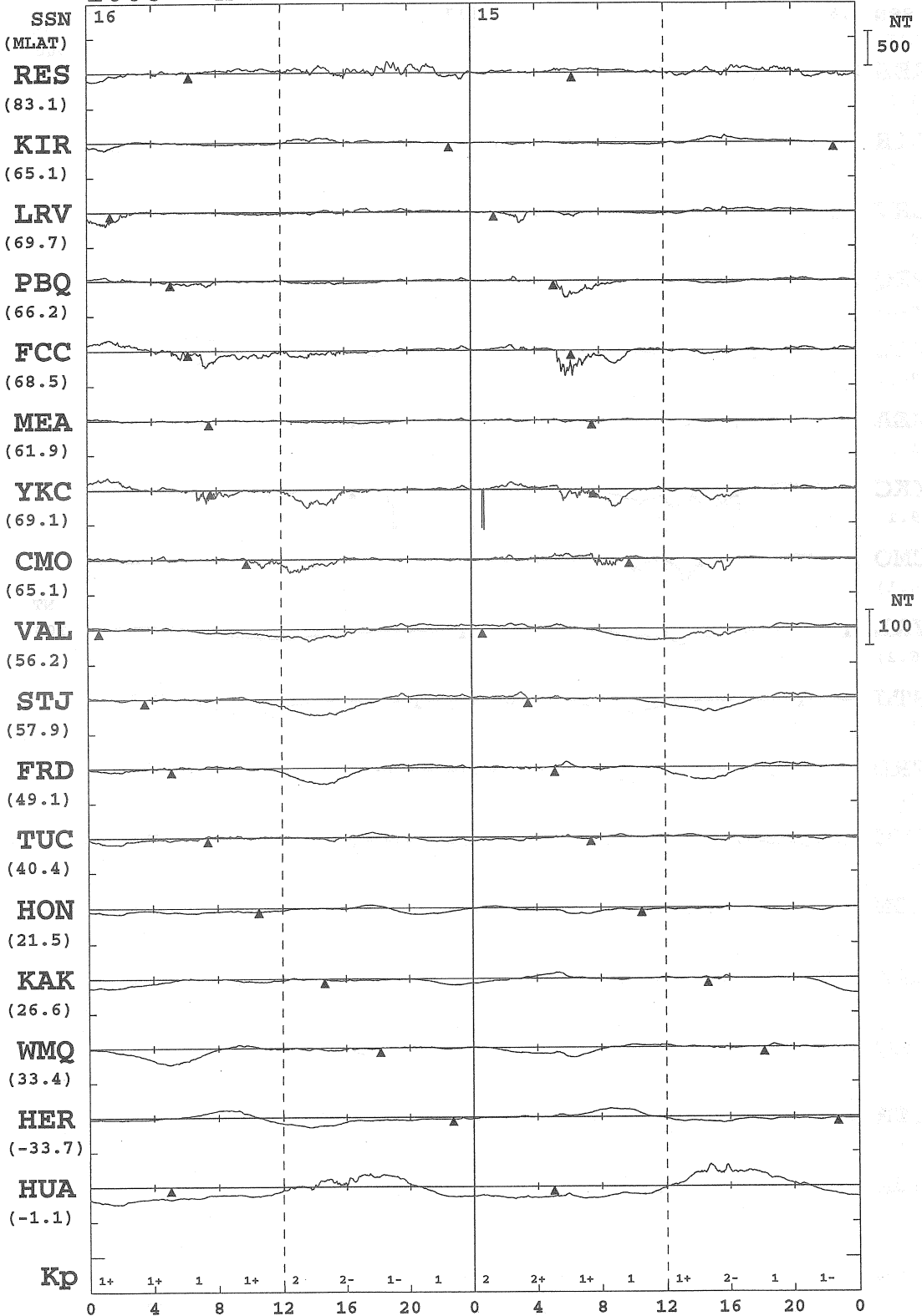


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

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2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



AUG 11
(DAY 223)

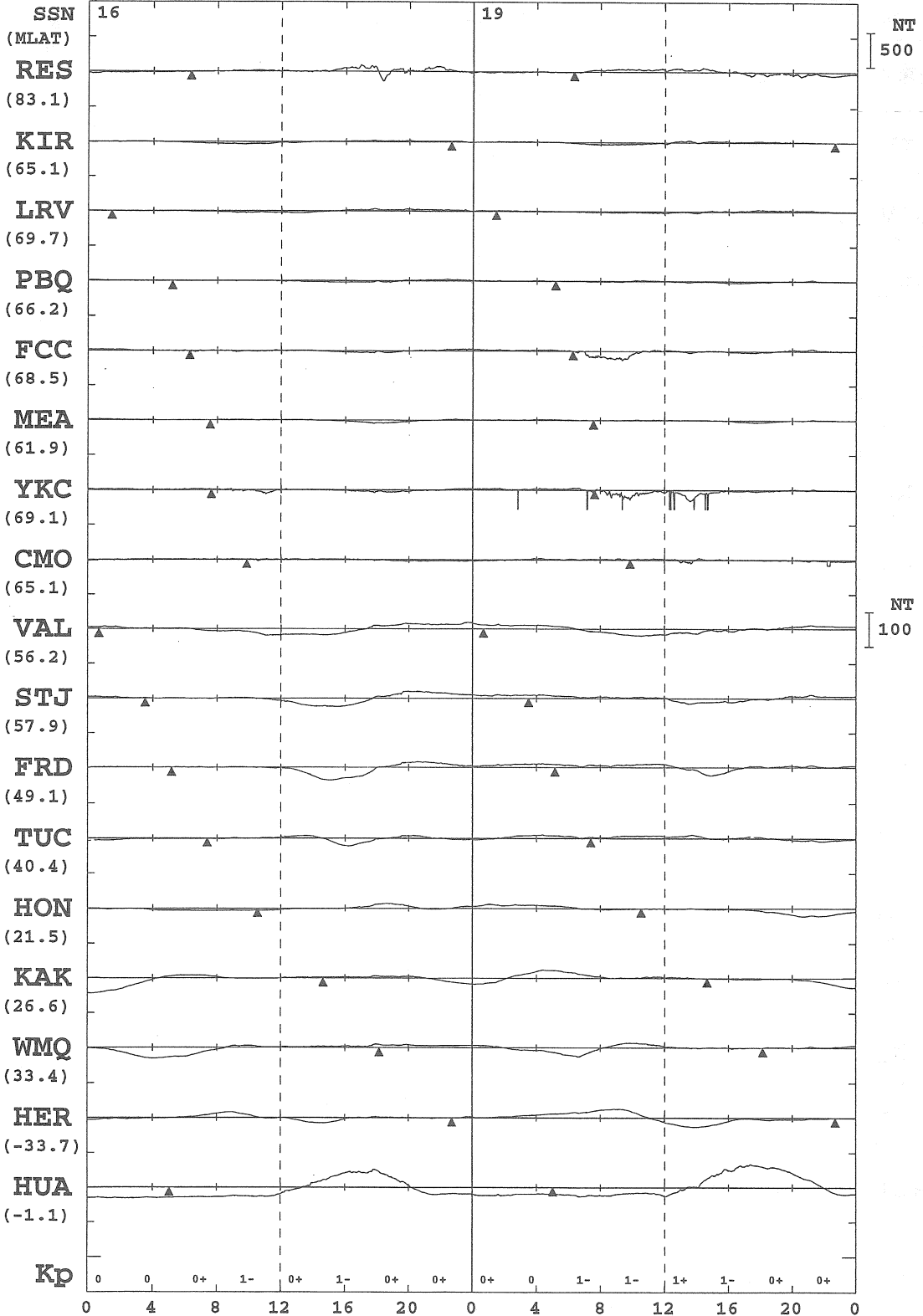
AUG 12
(DAY 224)

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

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2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



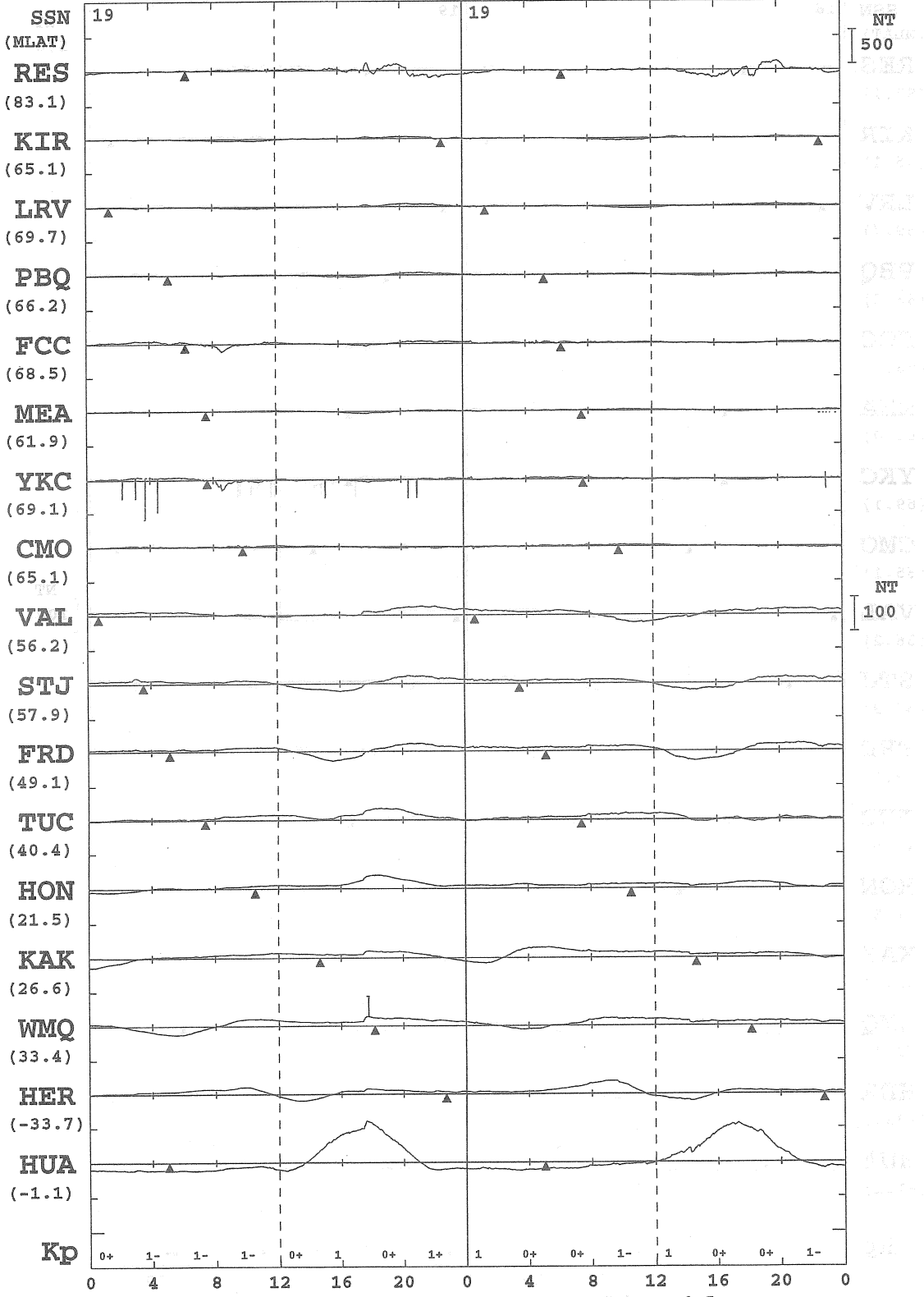
AUG 13
(DAY 225)

AUG 14
(DAY 226)

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

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2006 H OR X-COMPONENT LOCAL MIDNIGHT



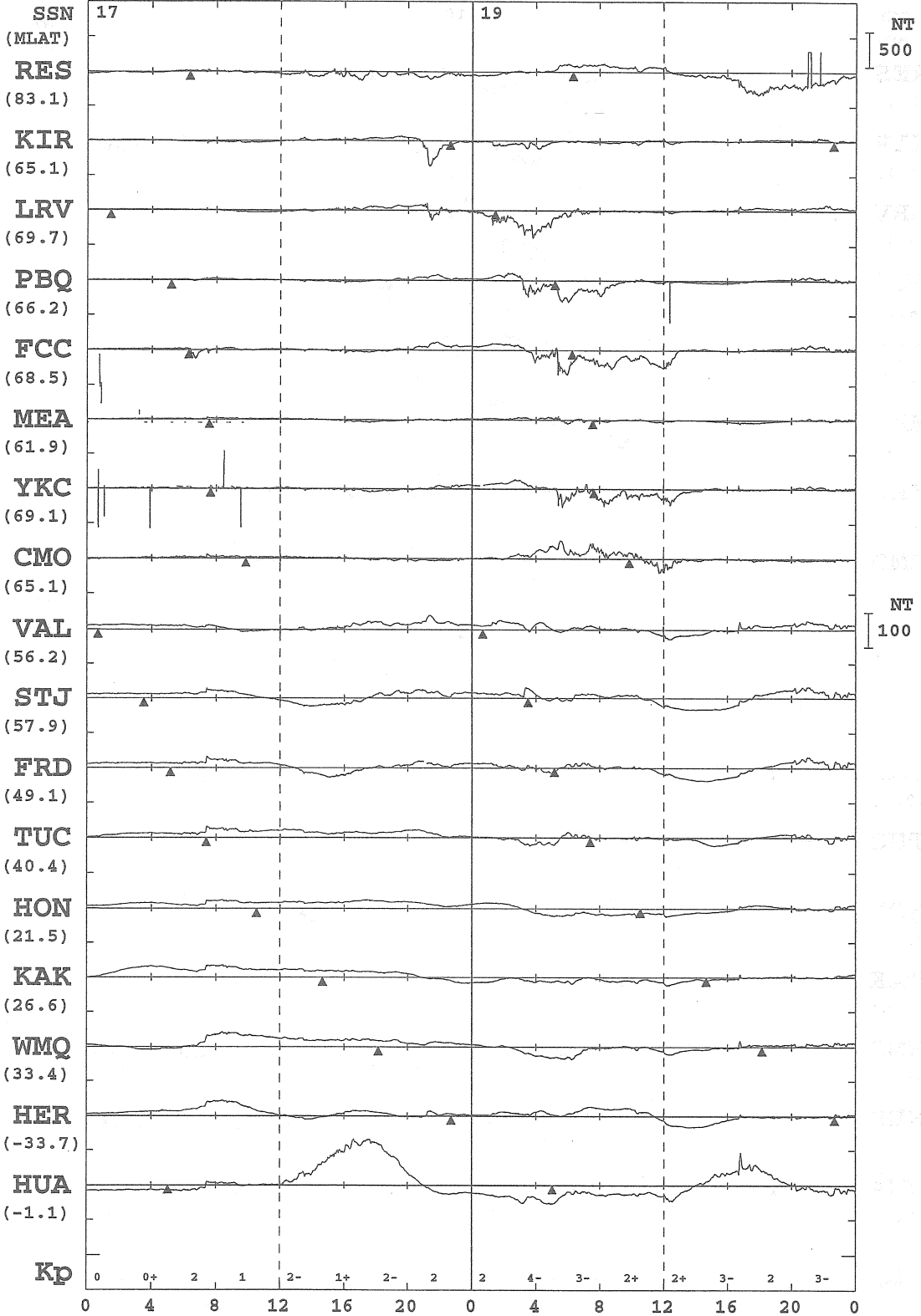
AUG 15
(DAY 227)

AUG 16
(DAY 228)

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

KYOTO UNIV.

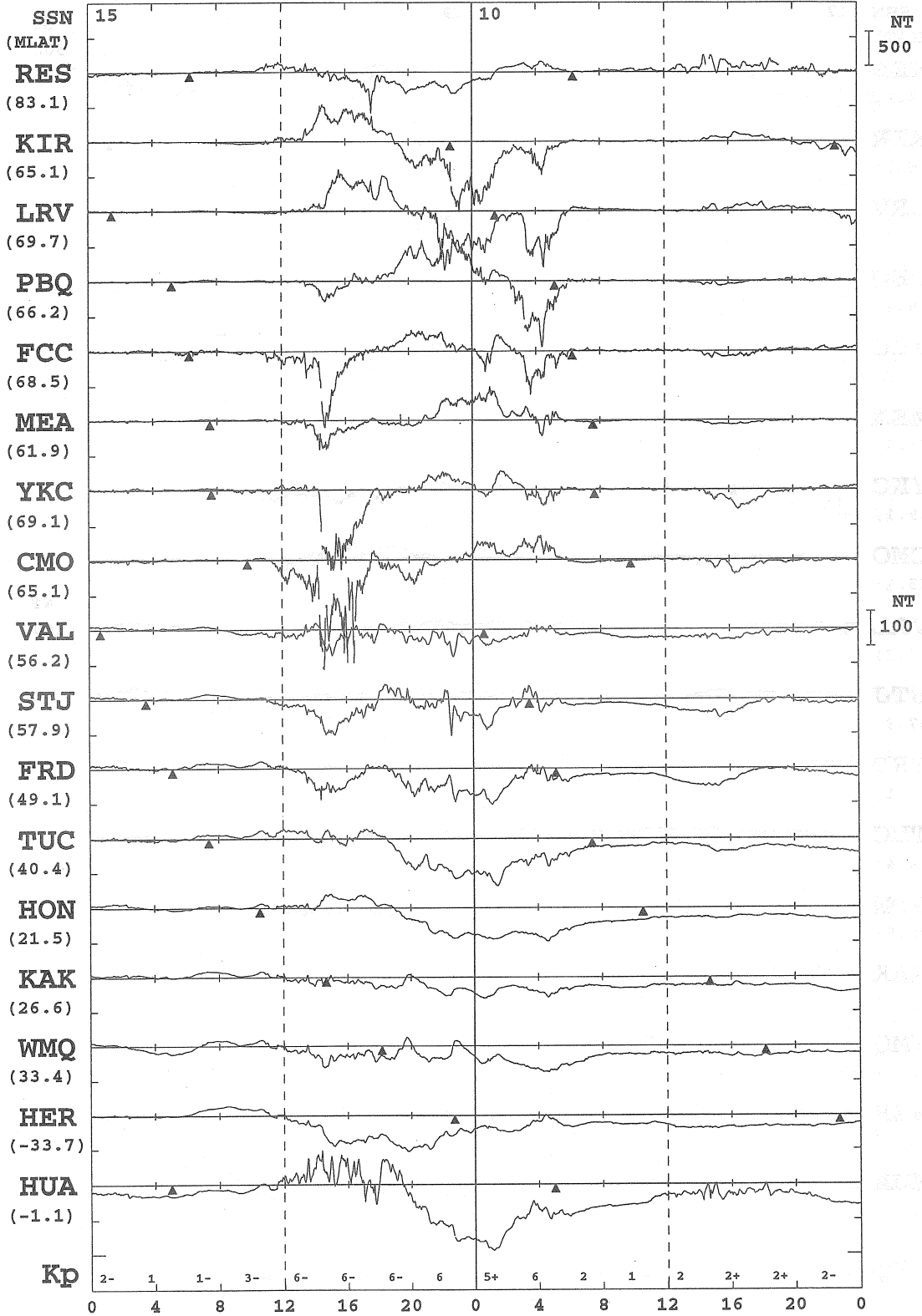
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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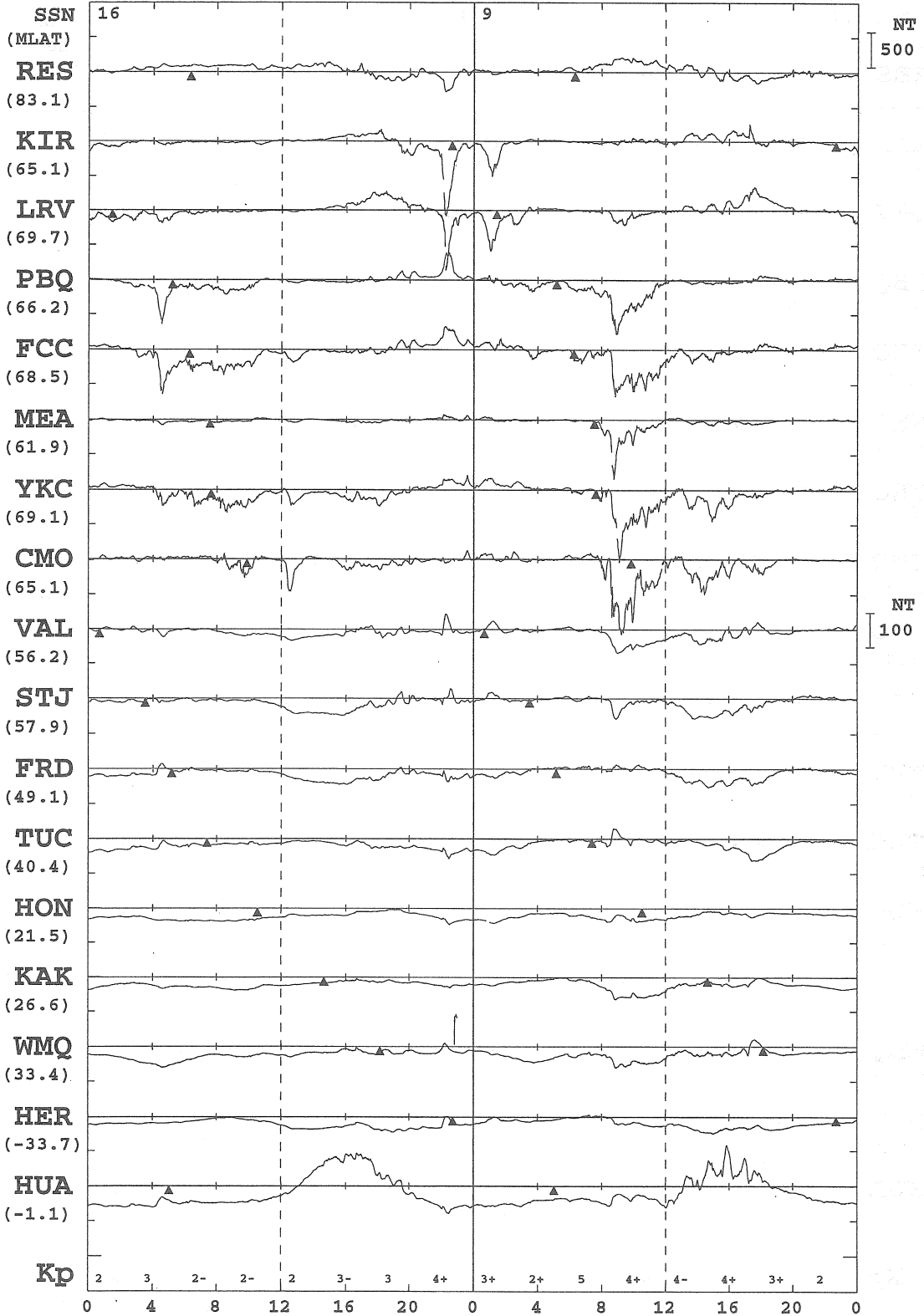
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
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KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

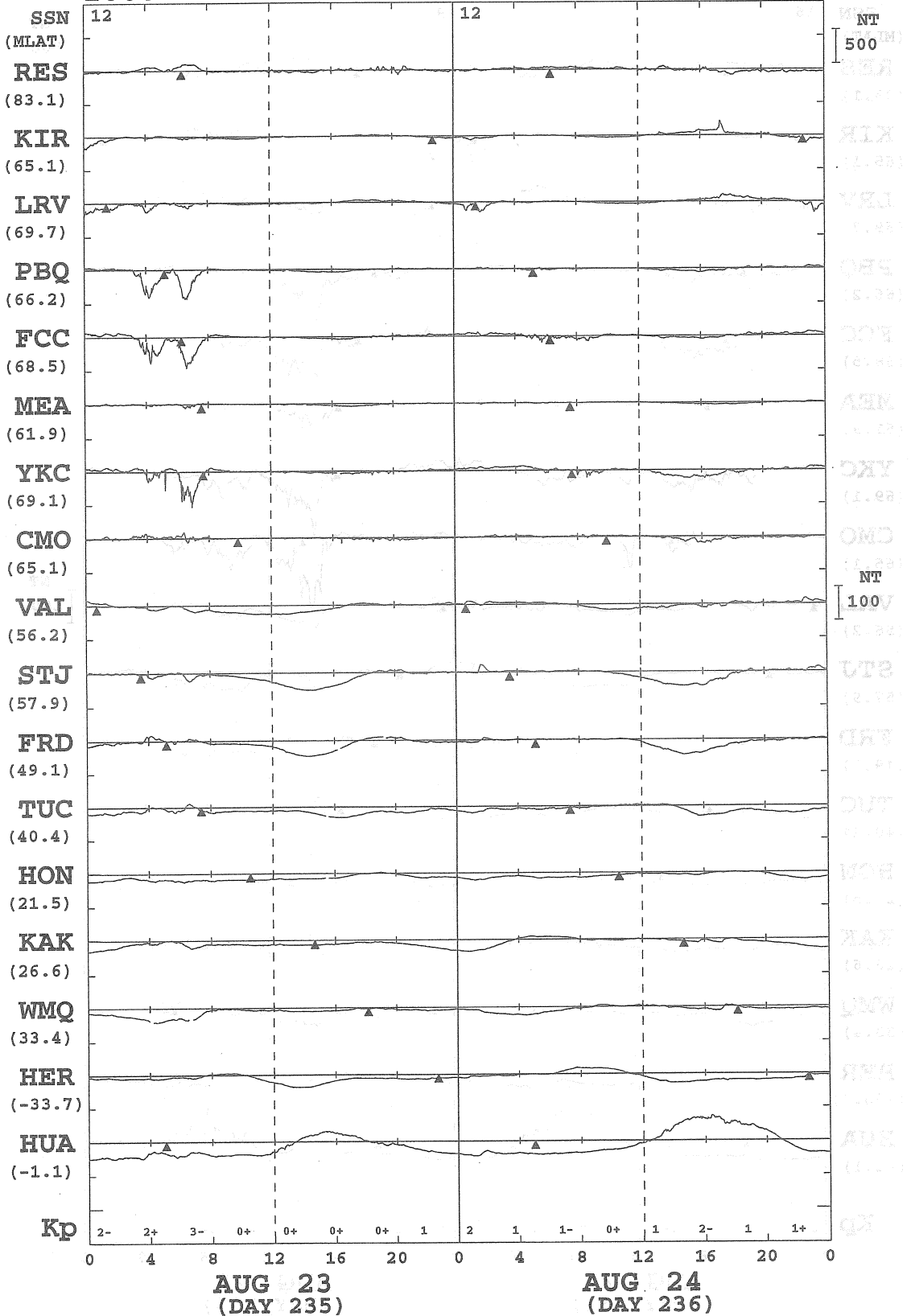


AUG 21
(DAY 233)

AUG 22
(DAY 234)

* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED
 KYOTO UNIV.

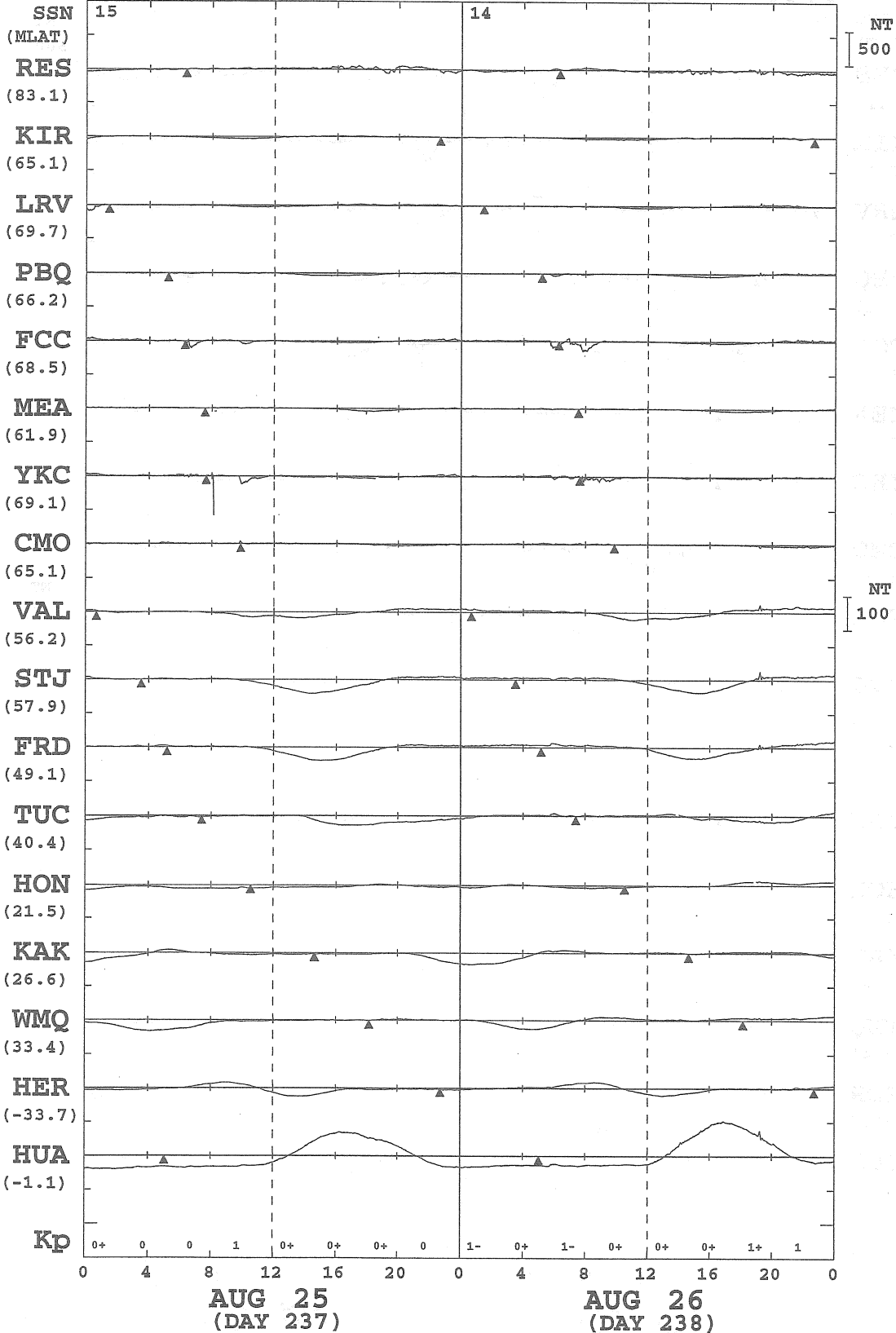
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

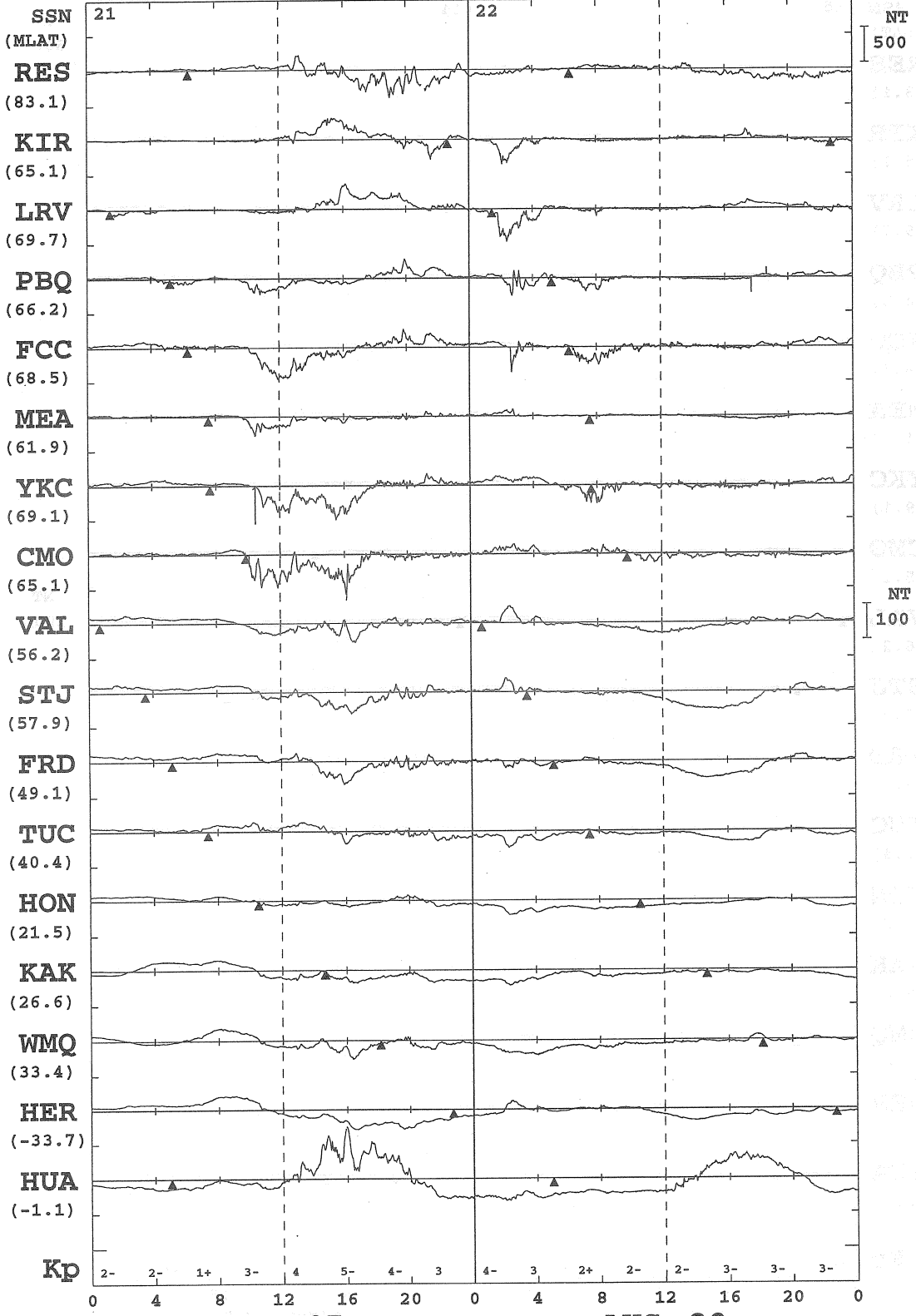
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

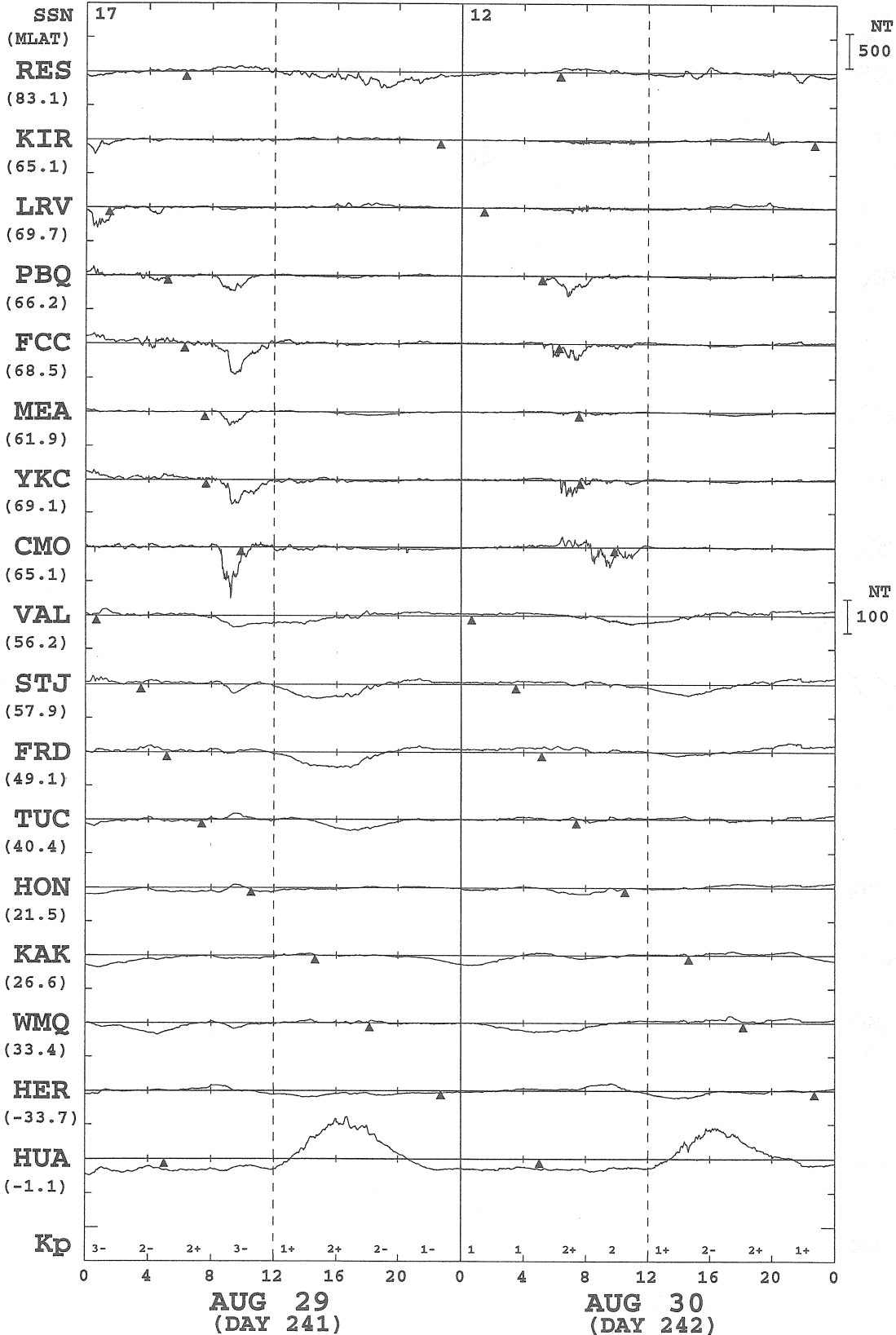


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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2006 H OR X-COMPONENT

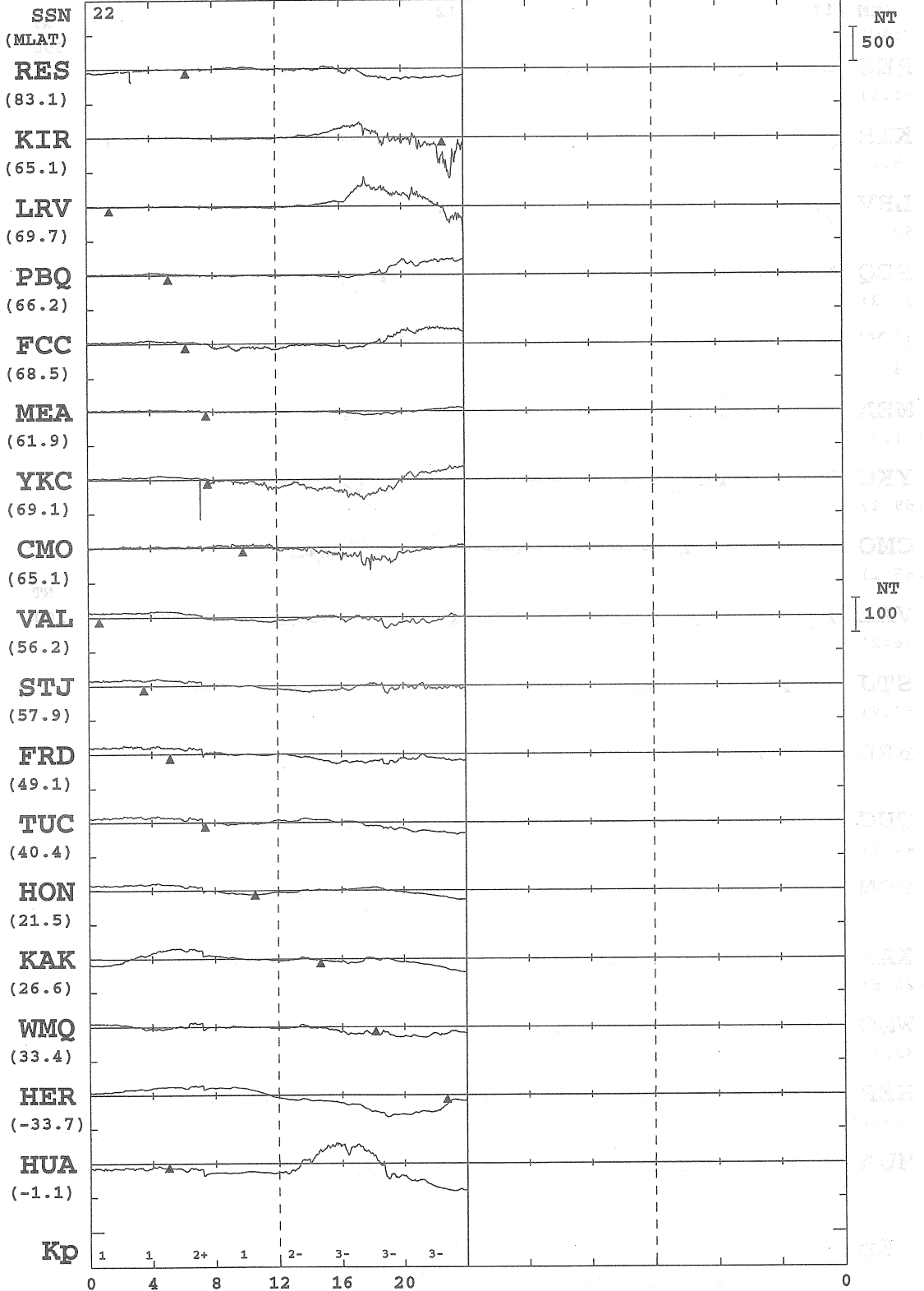
▲ : LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

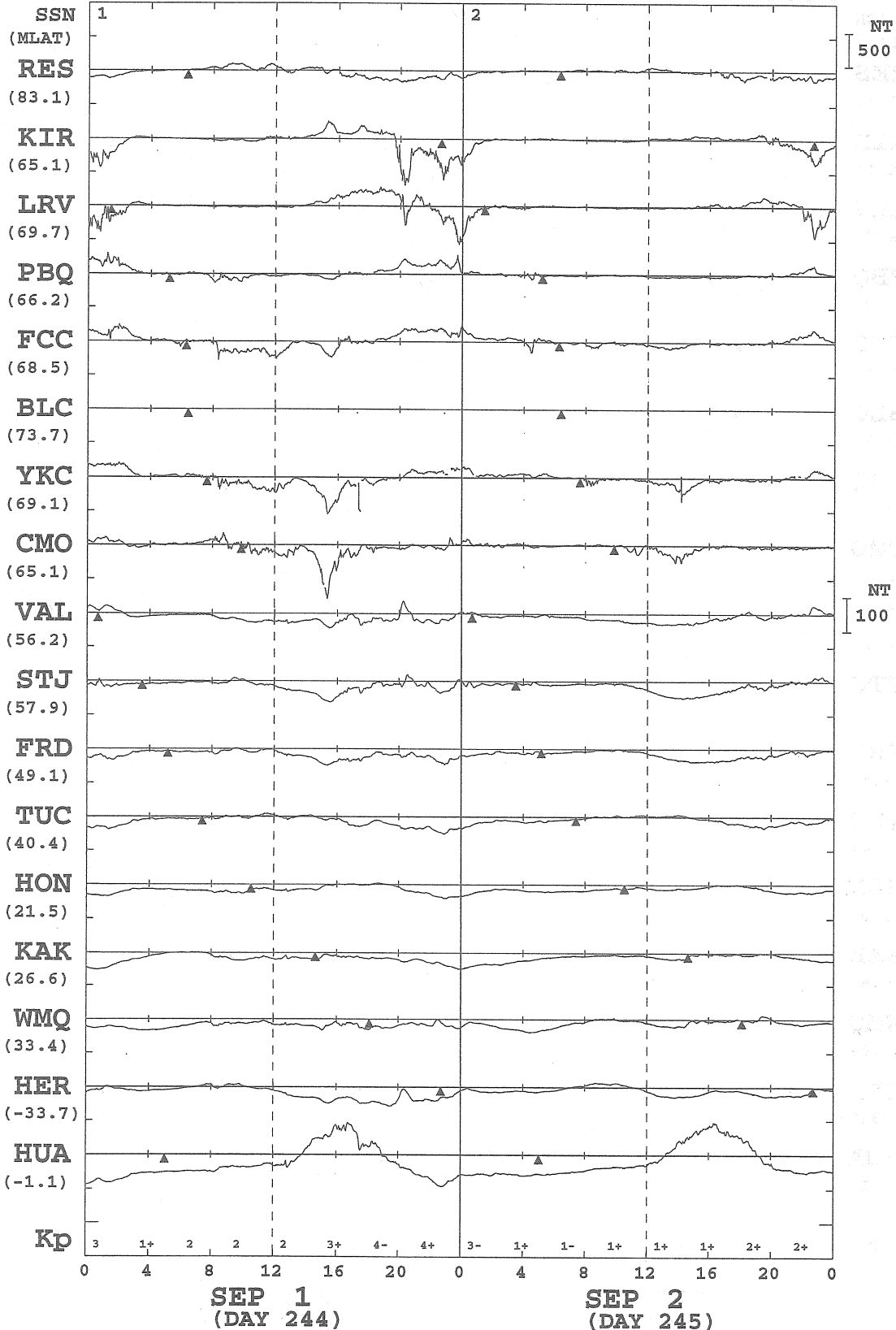


AUG 31
(DAY 243)

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

KYOTO UNIV.

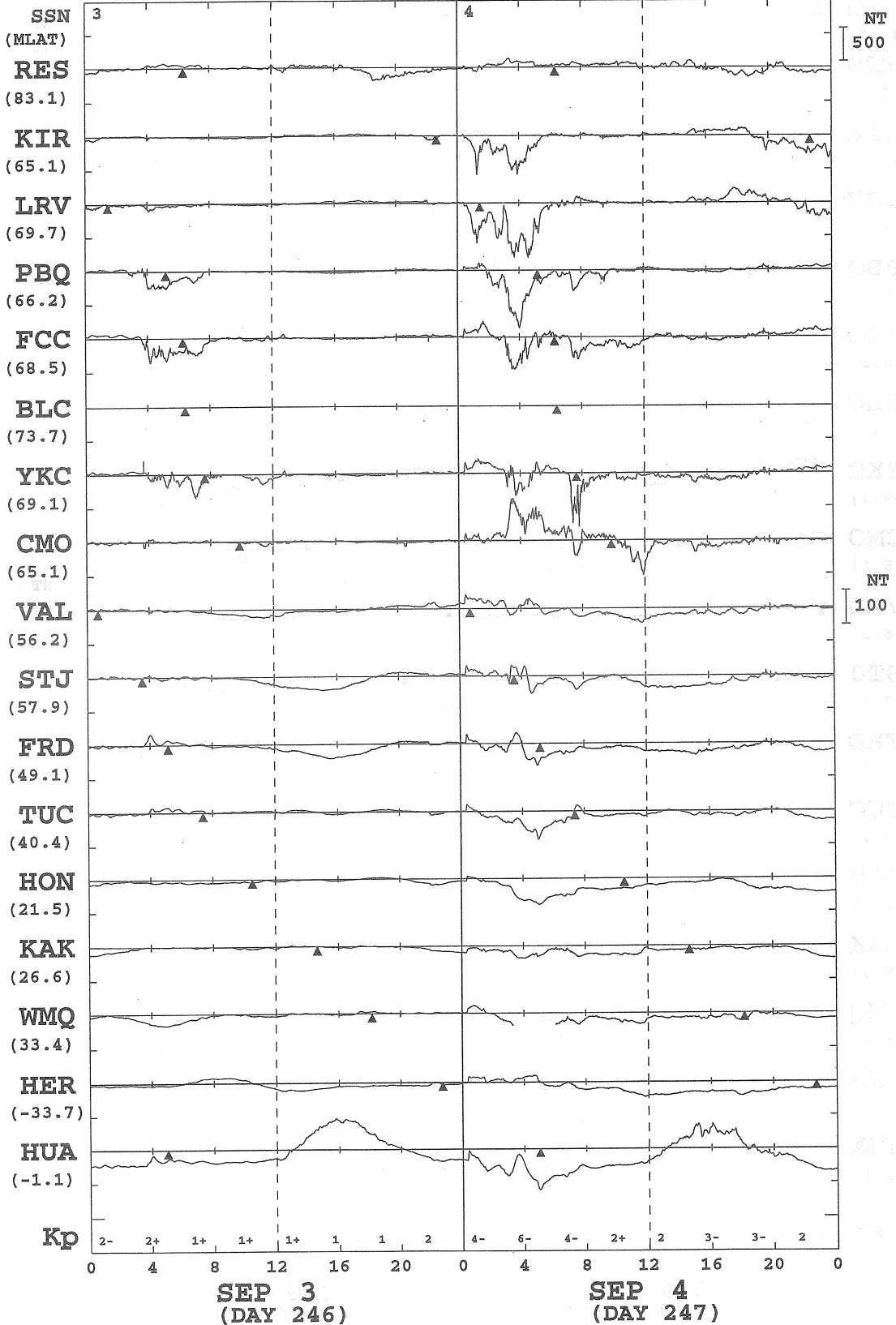
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

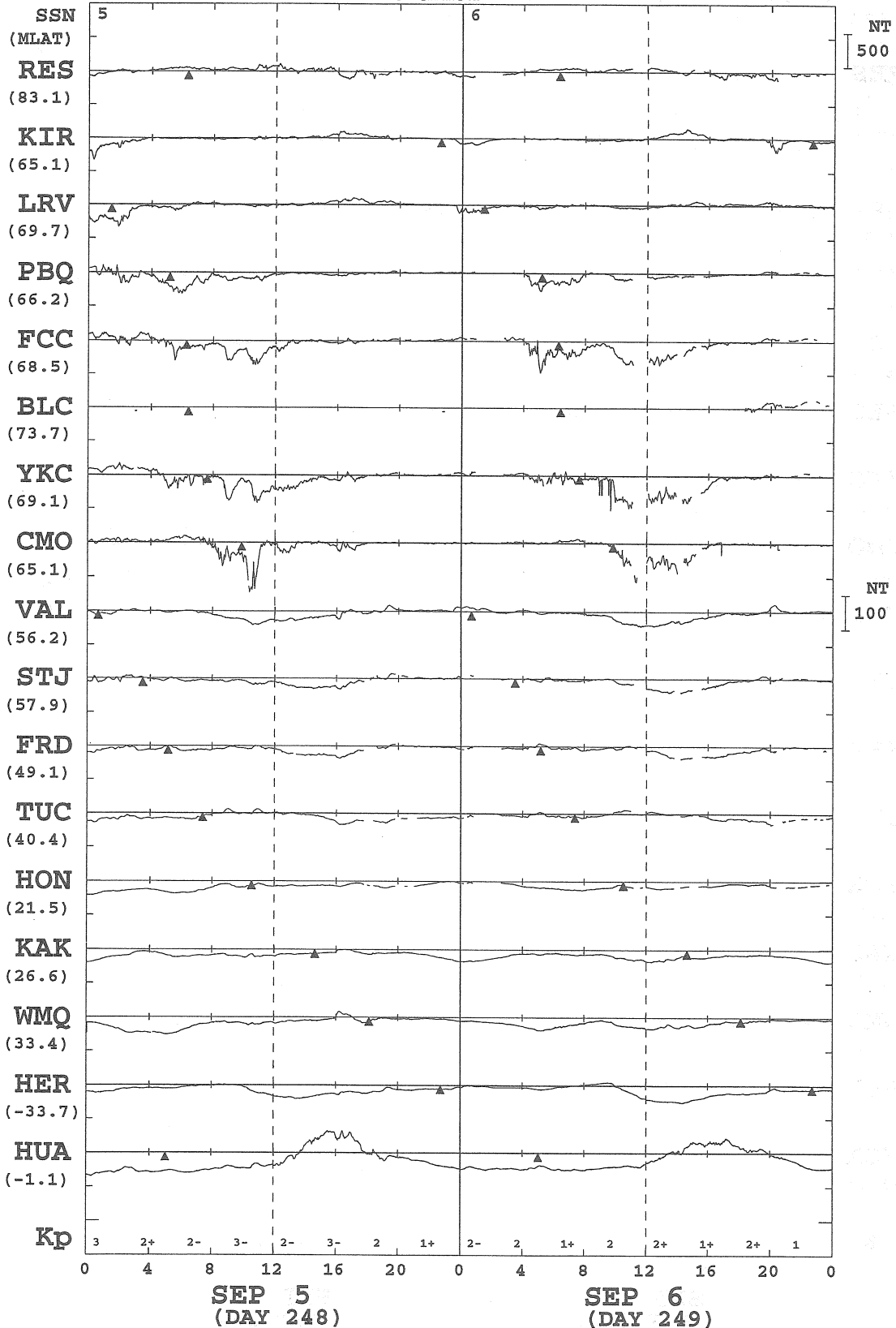
2006 H OR X-COMPONENT PROMPT DATA: LOCAL MIDNIGHT



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KYOTO UNIV.

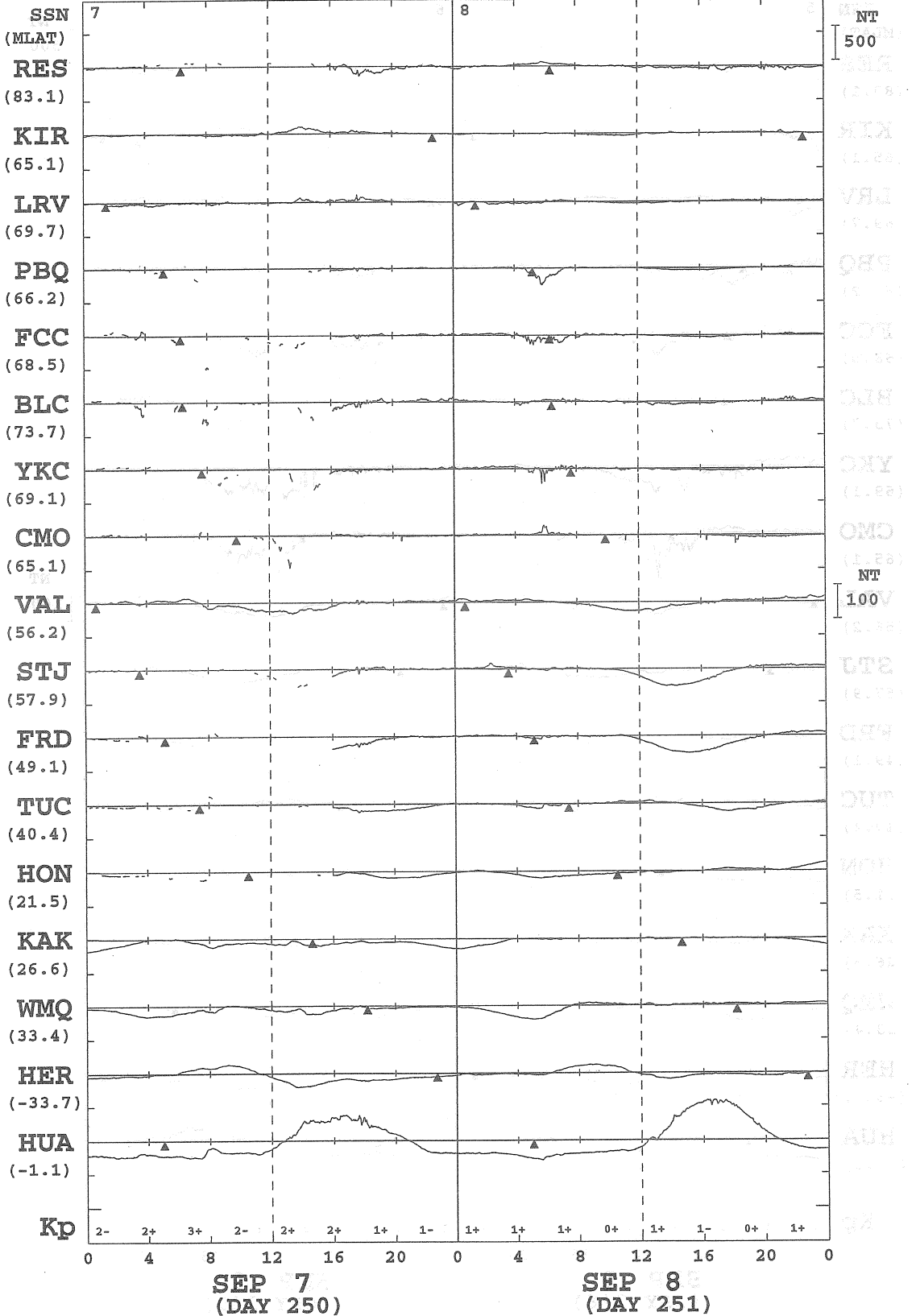
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
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 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

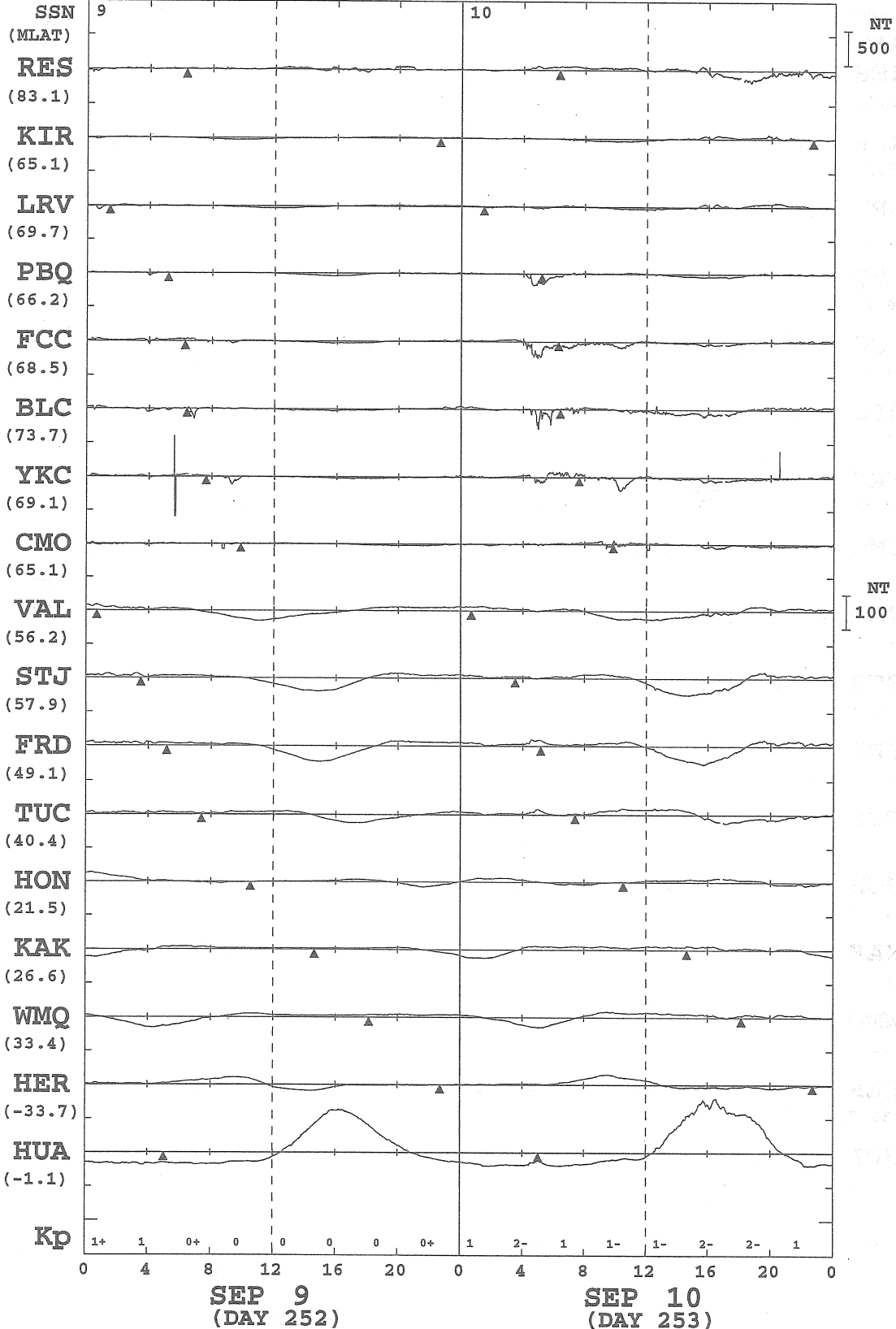
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

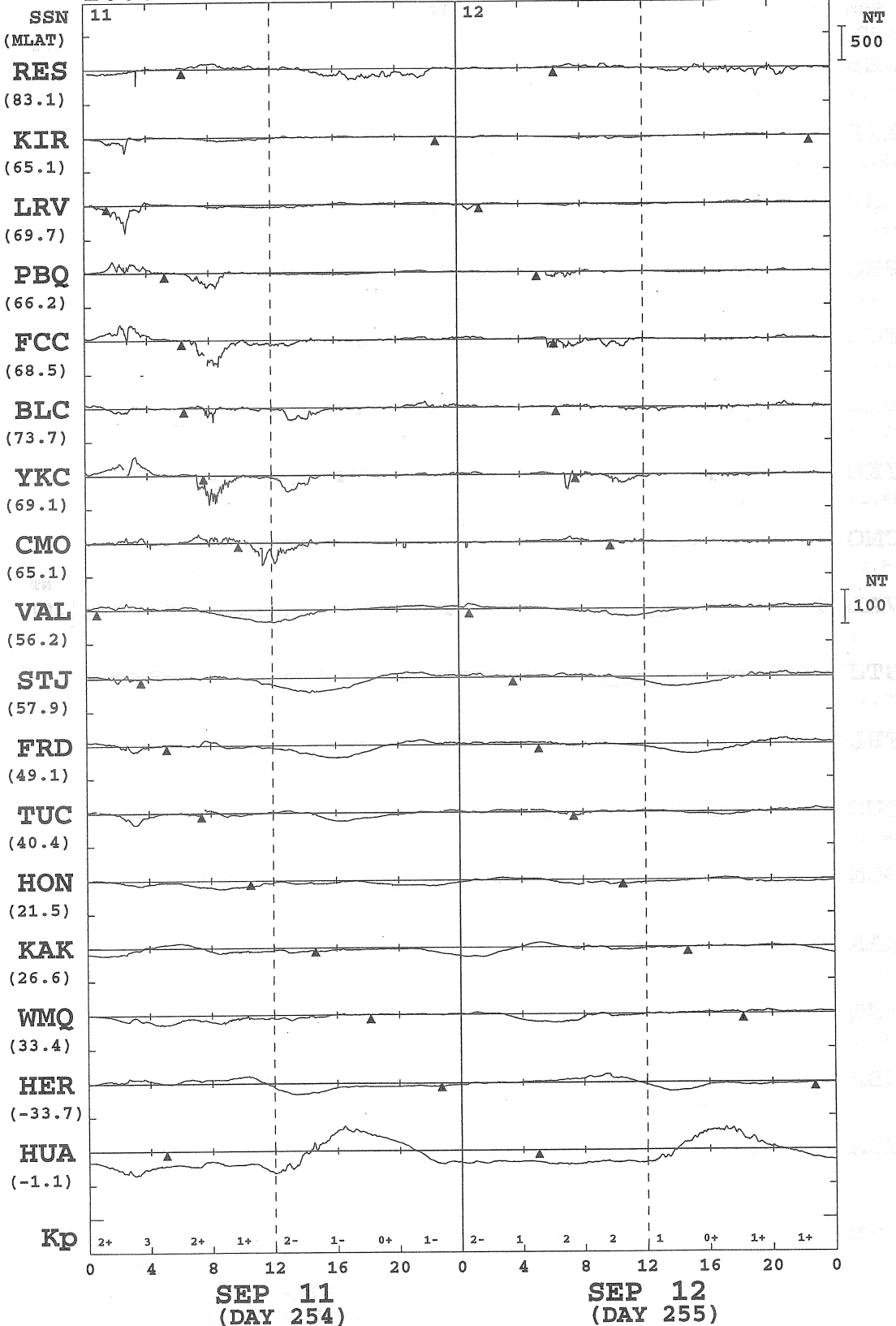
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

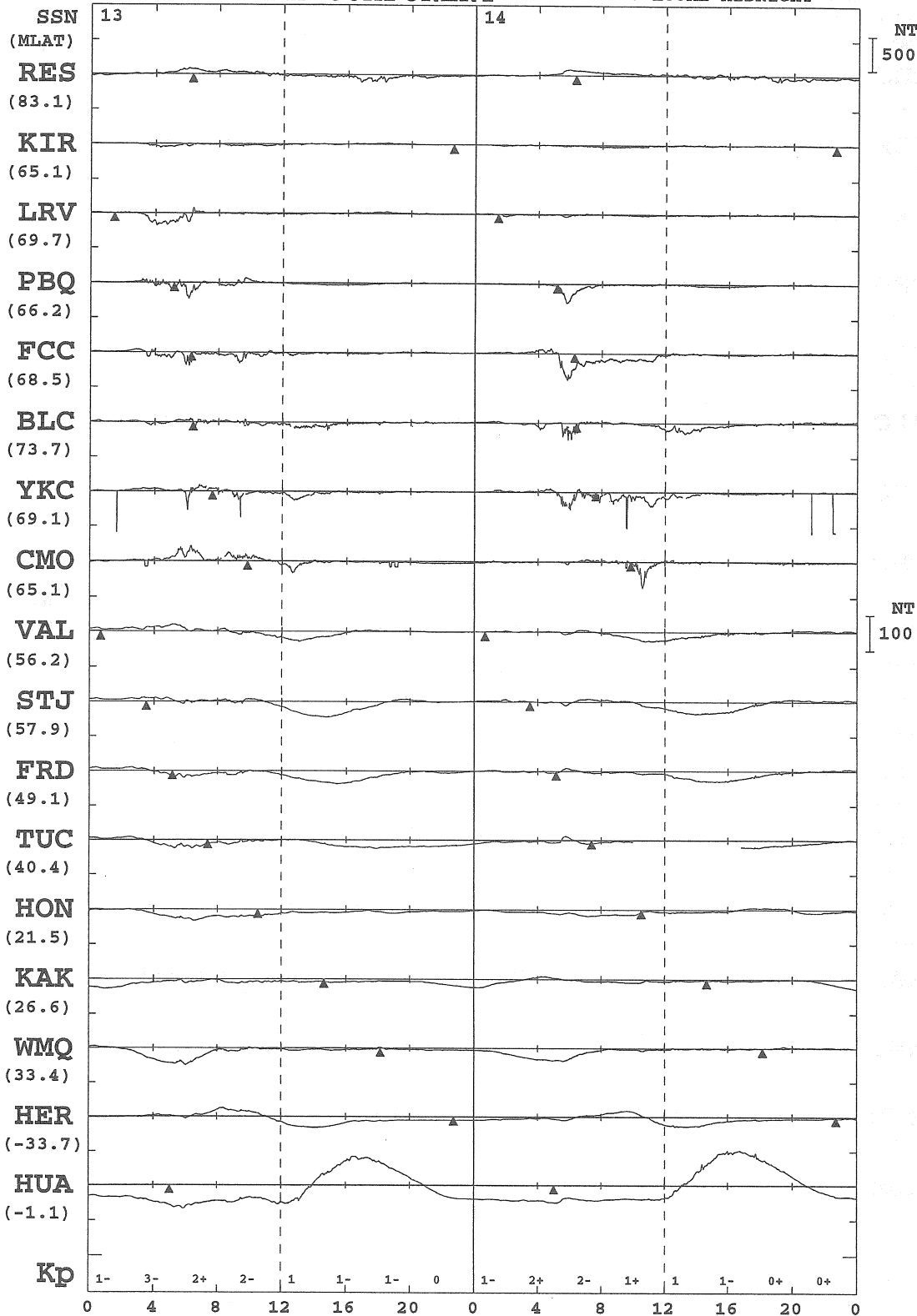
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



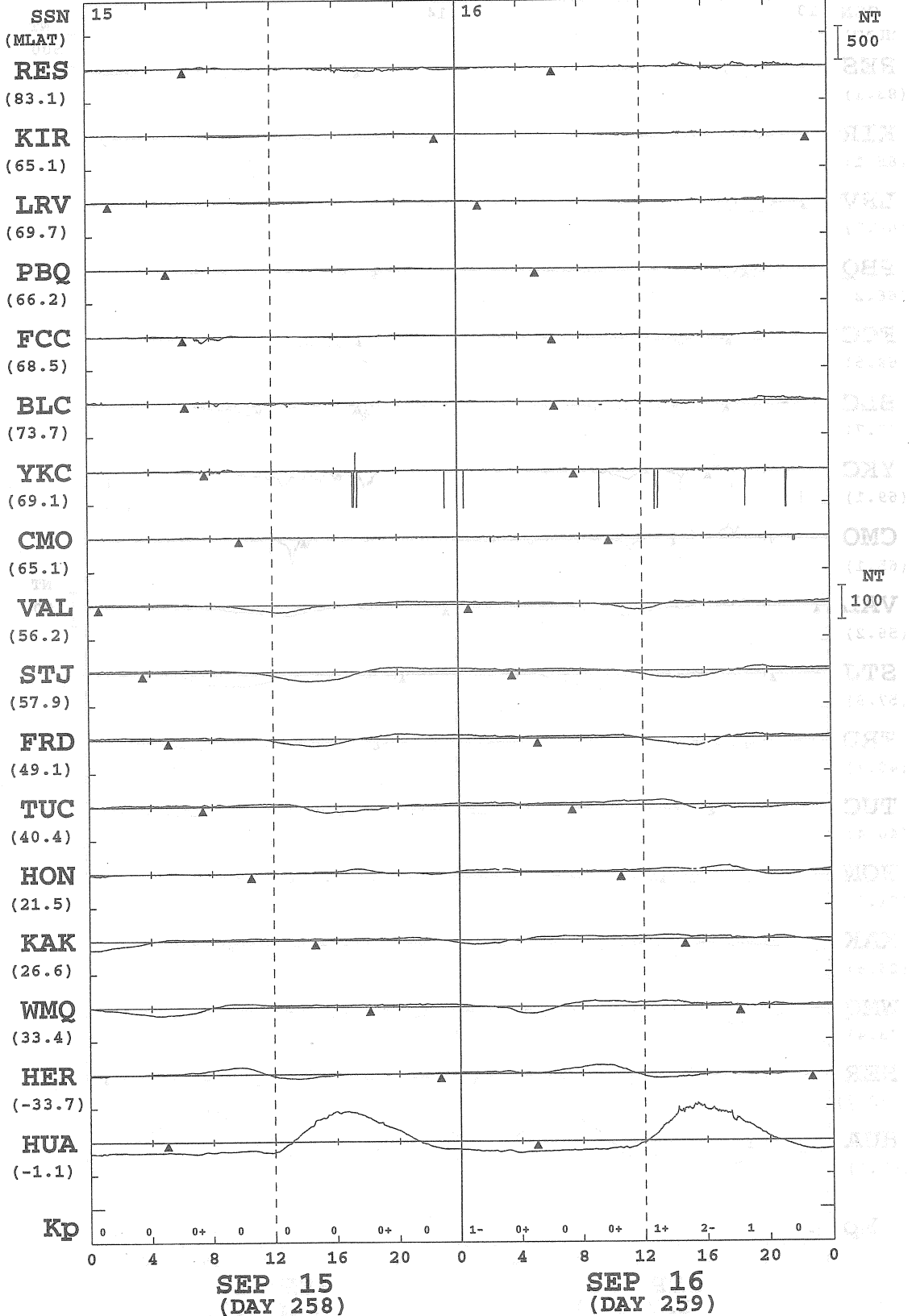
SEP 13
(DAY 256)

SEP 14
(DAY 257)

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

KYOTO UNIV.

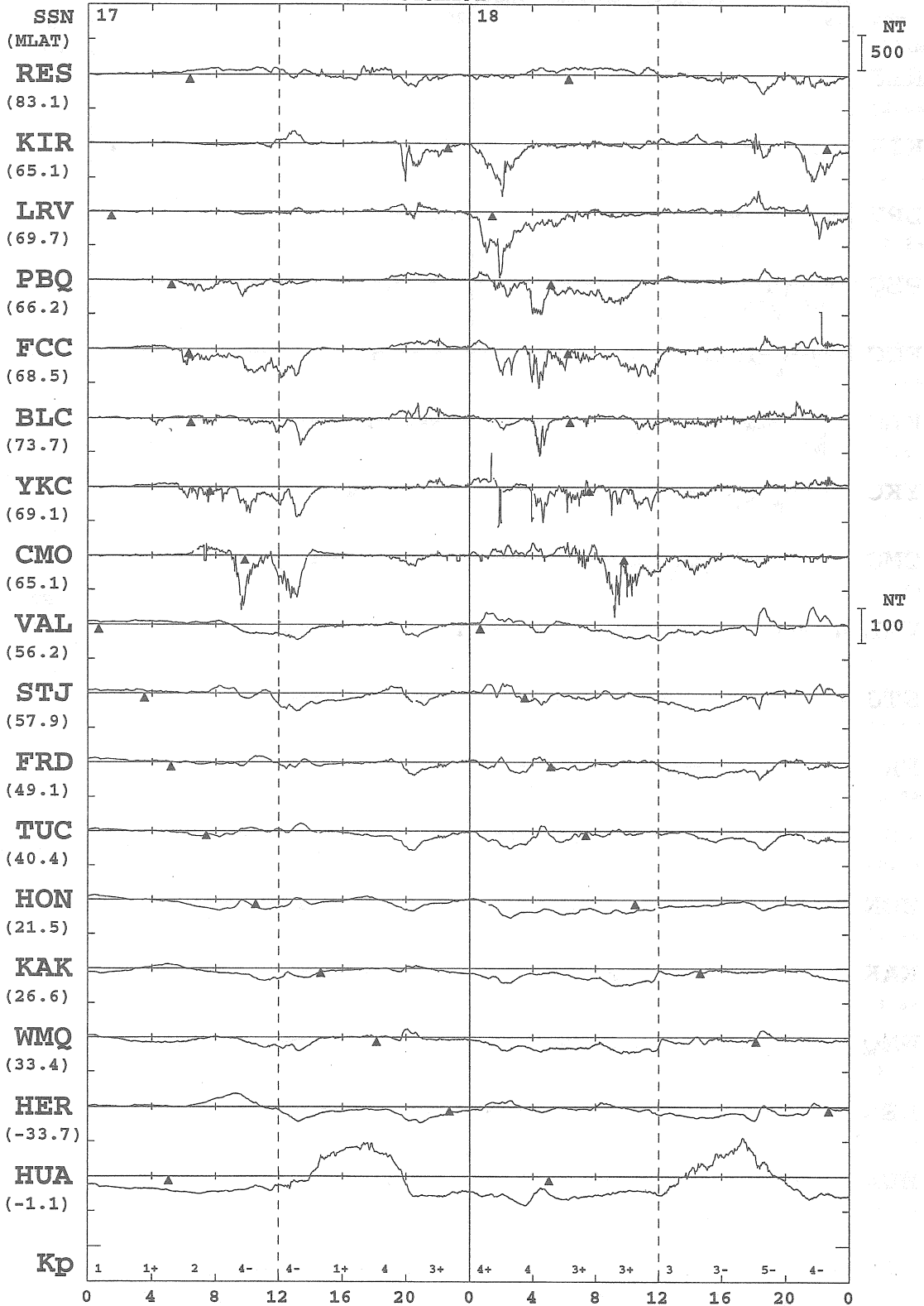
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

KYOTO UNIV.

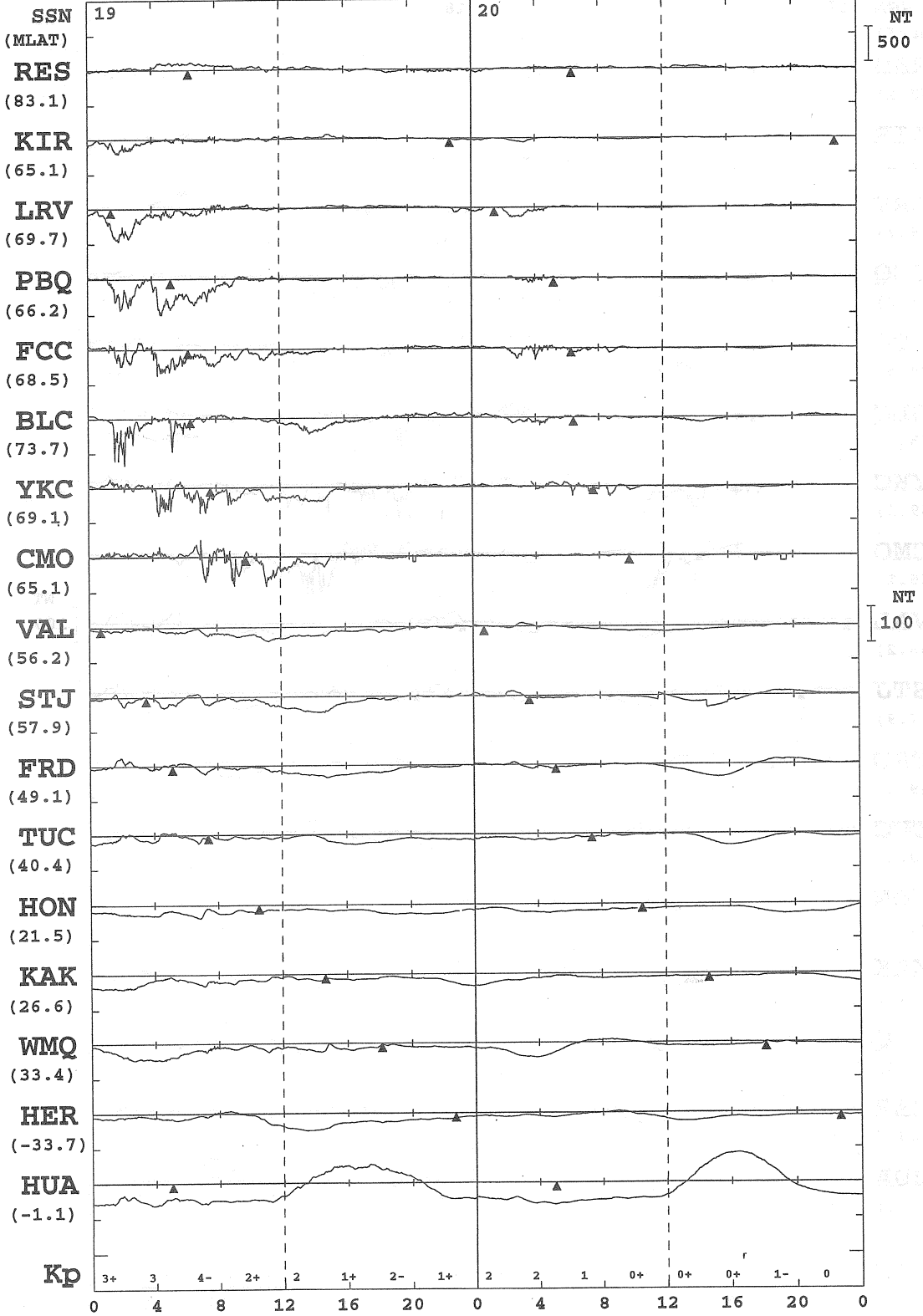
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

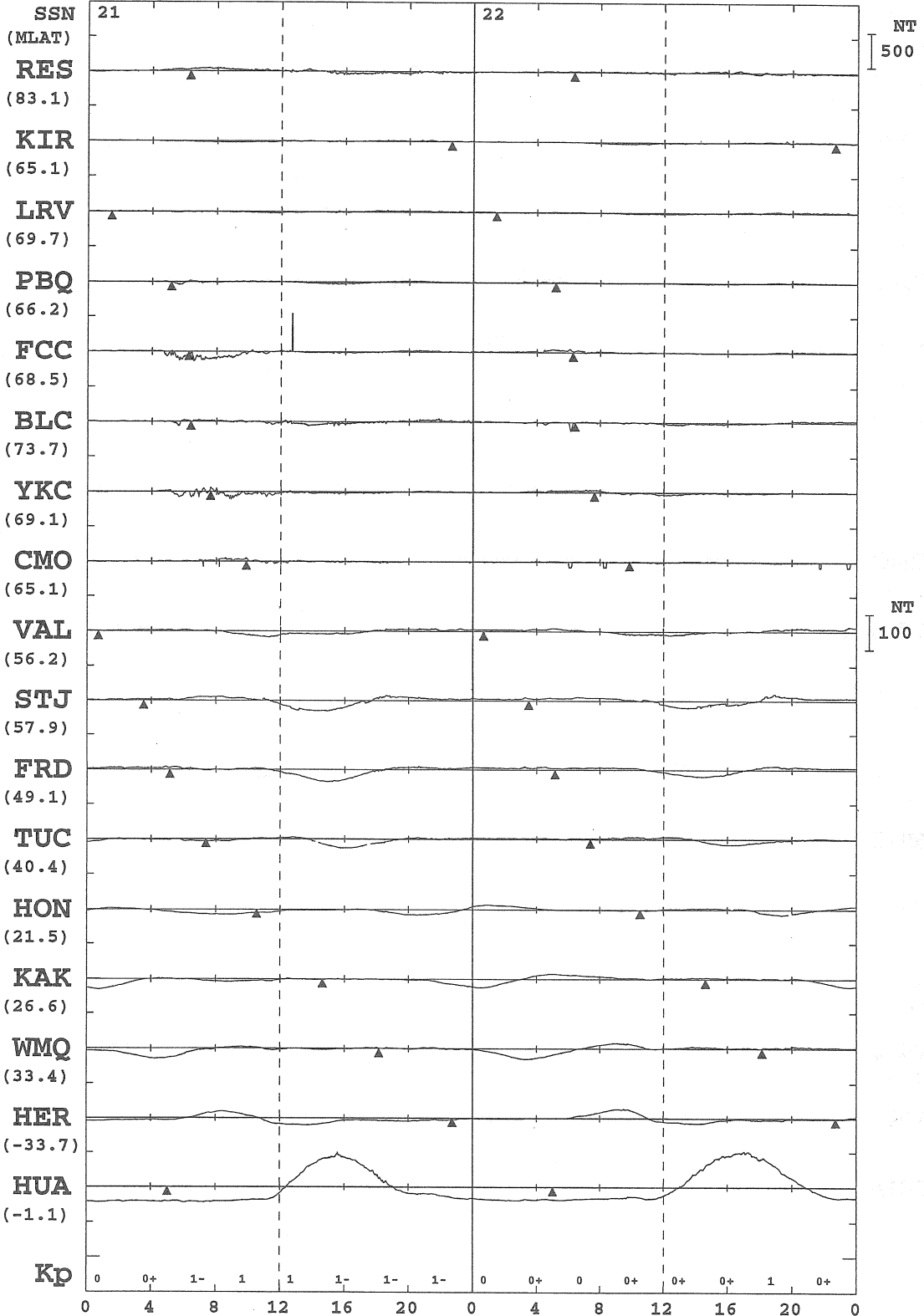


SEP 19 (DAY 262) SEP 20 (DAY 263)

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

KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL TIME ▲ : LOCAL MIDNIGHT



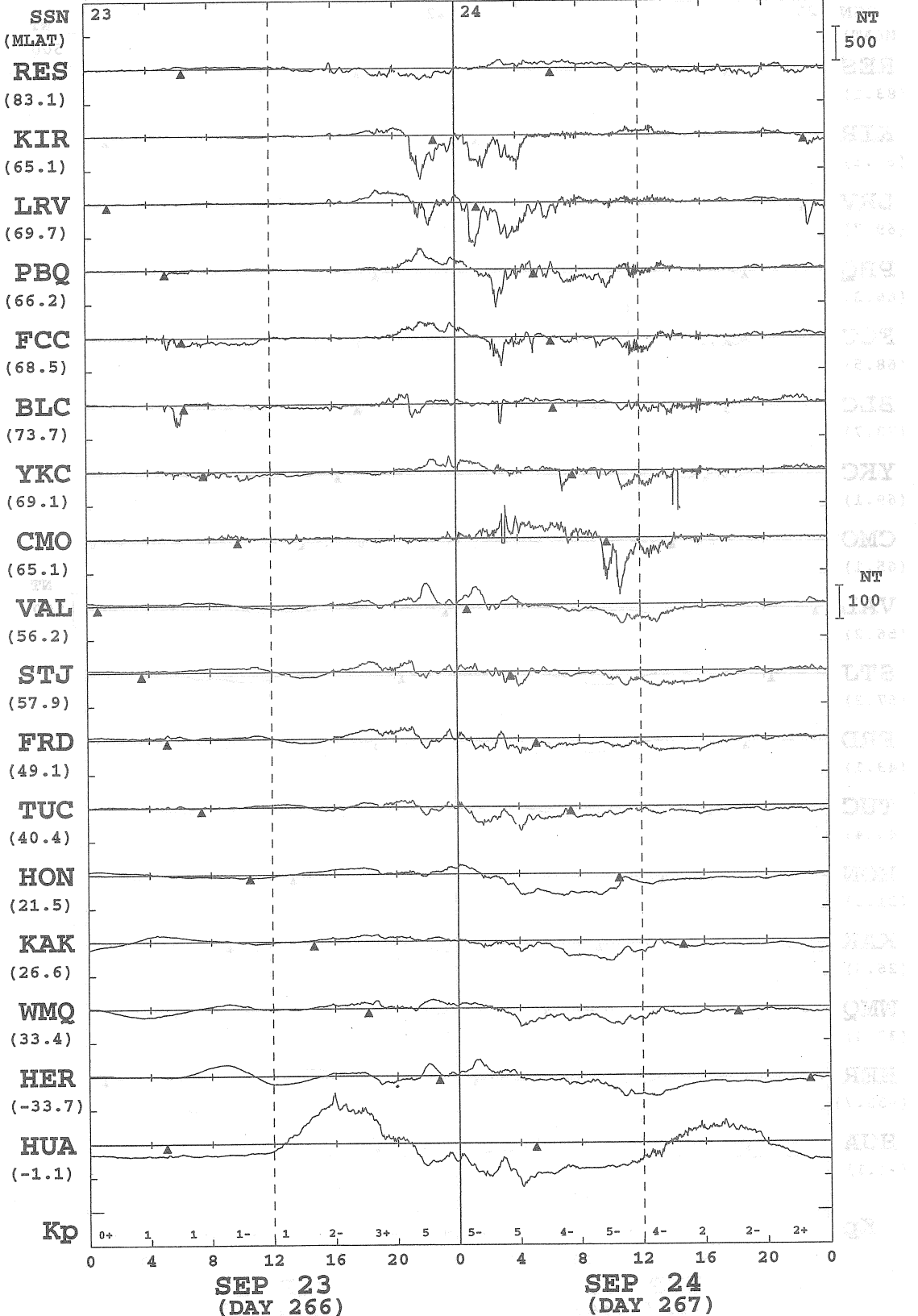
SEP 21 (DAY 264)

SEP 22 (DAY 265)

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

KYOTO UNIV.

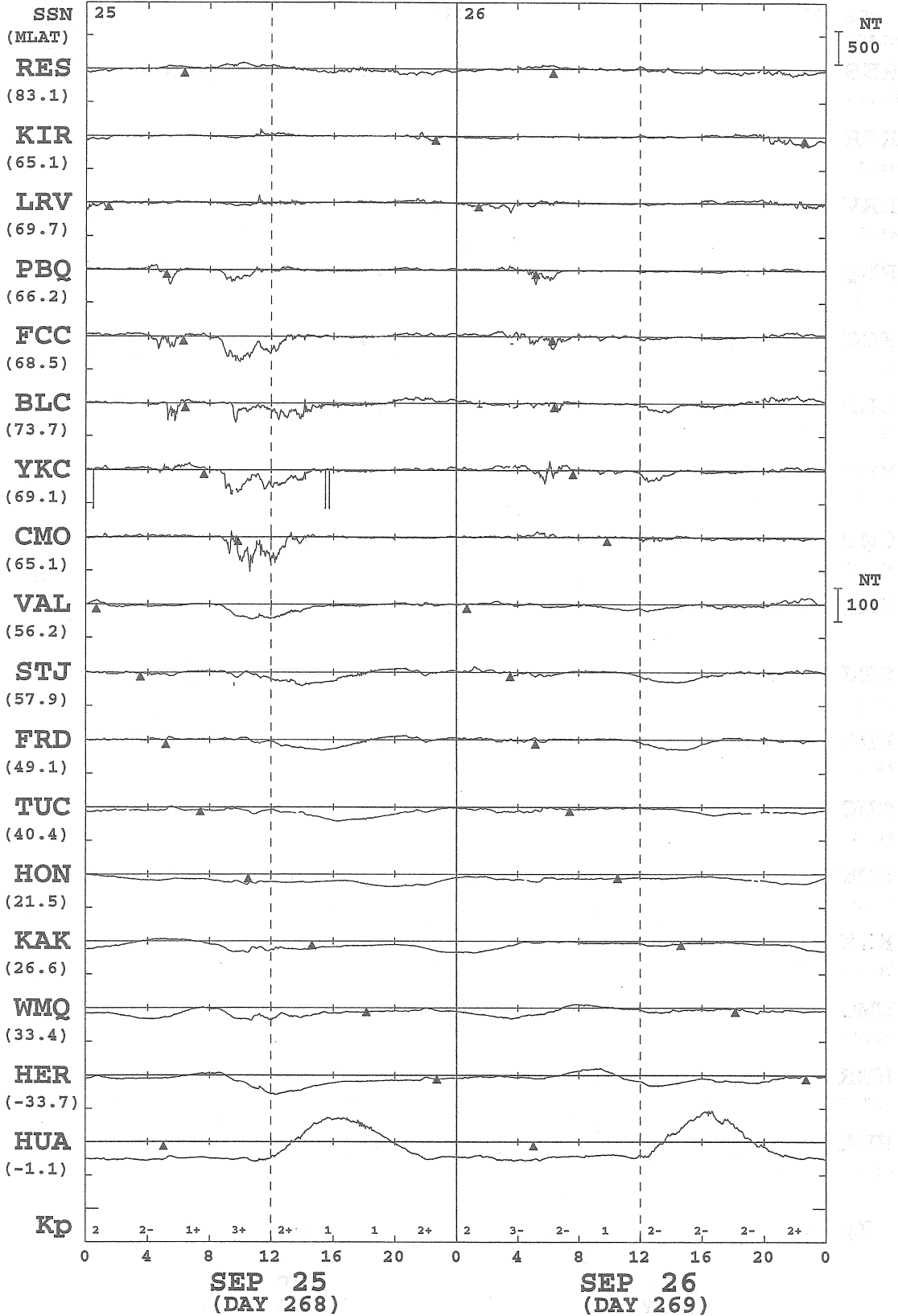
2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

KYOTO UNIV.

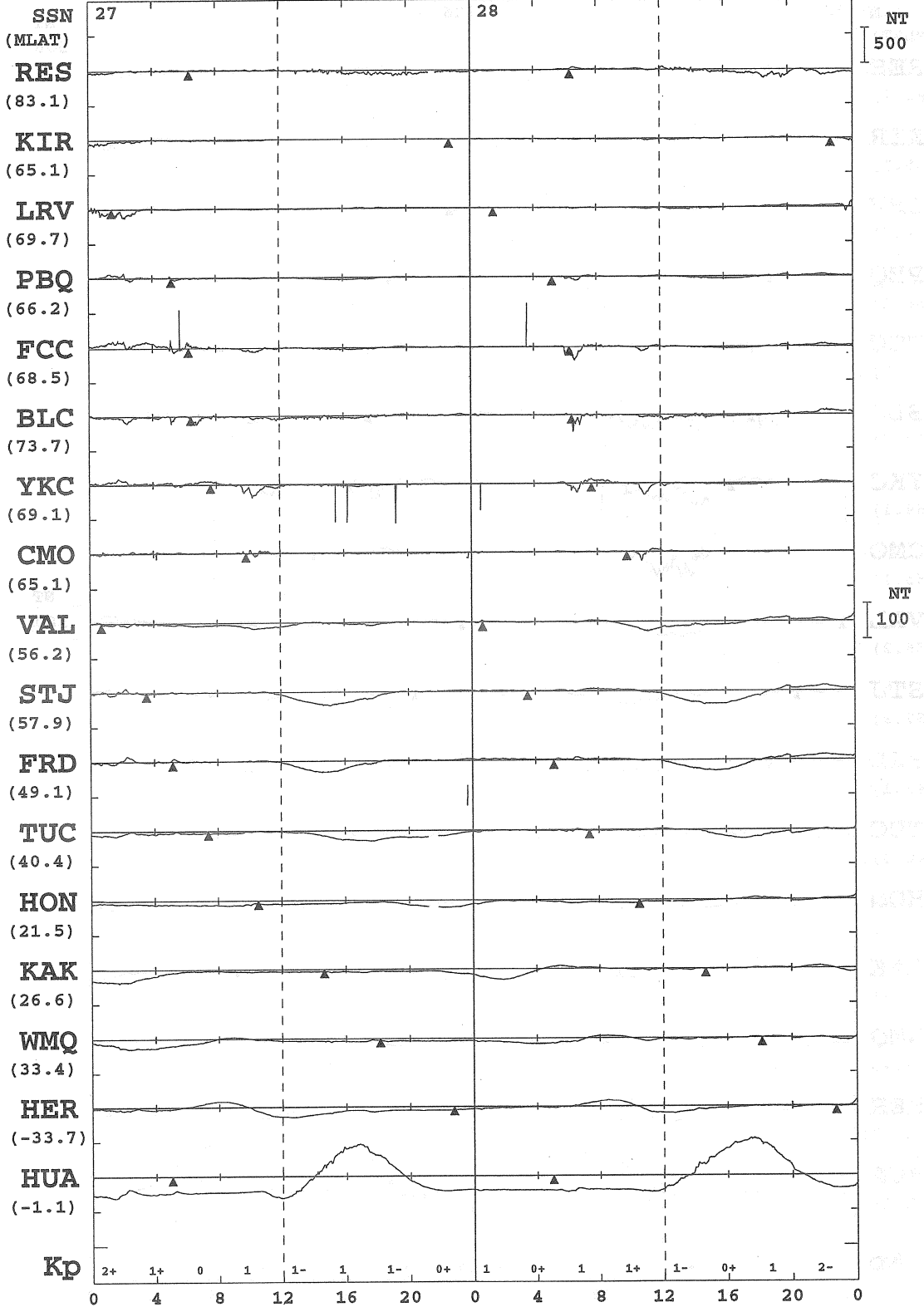
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

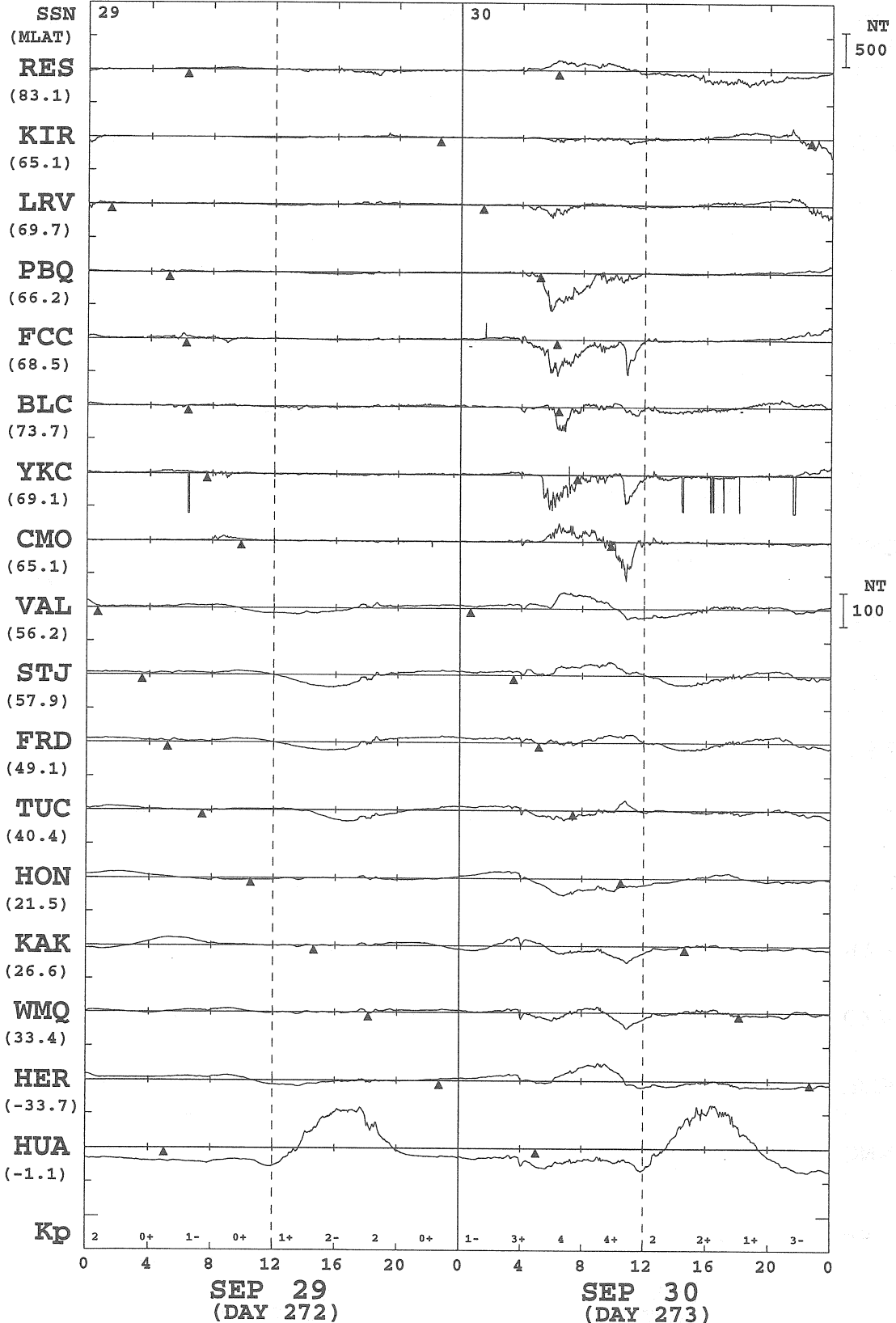
KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

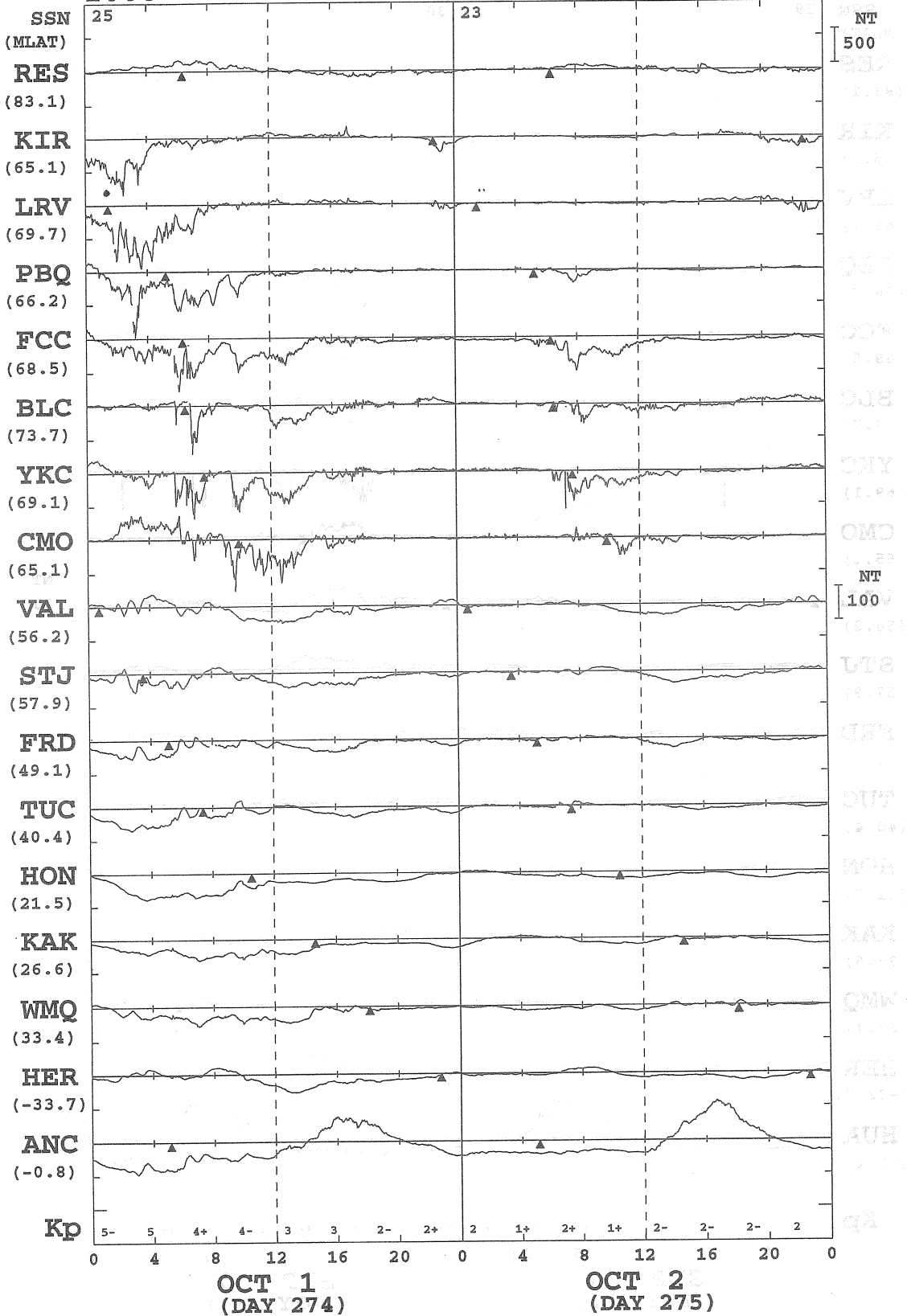
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

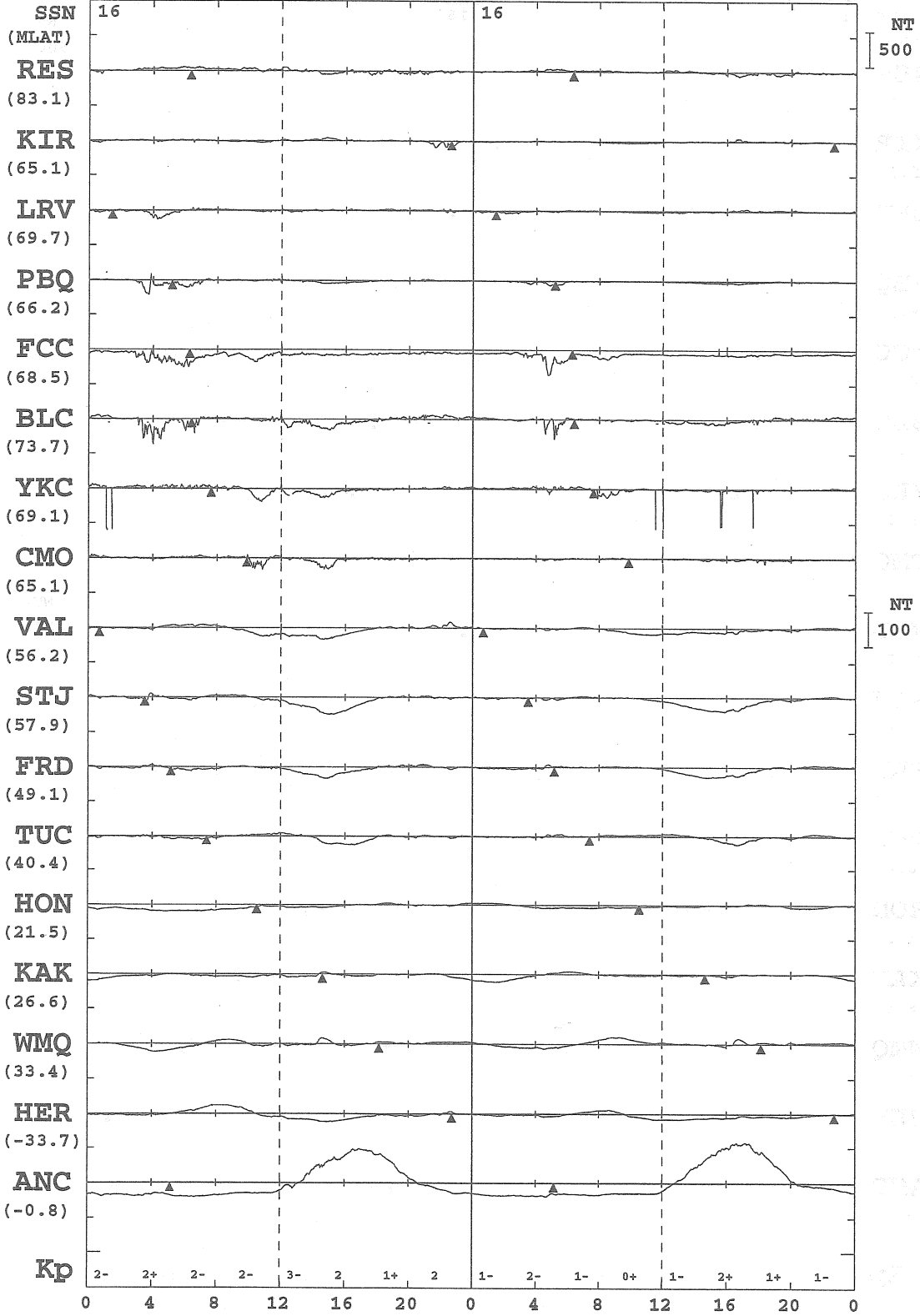
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

KYOTO UNIV.

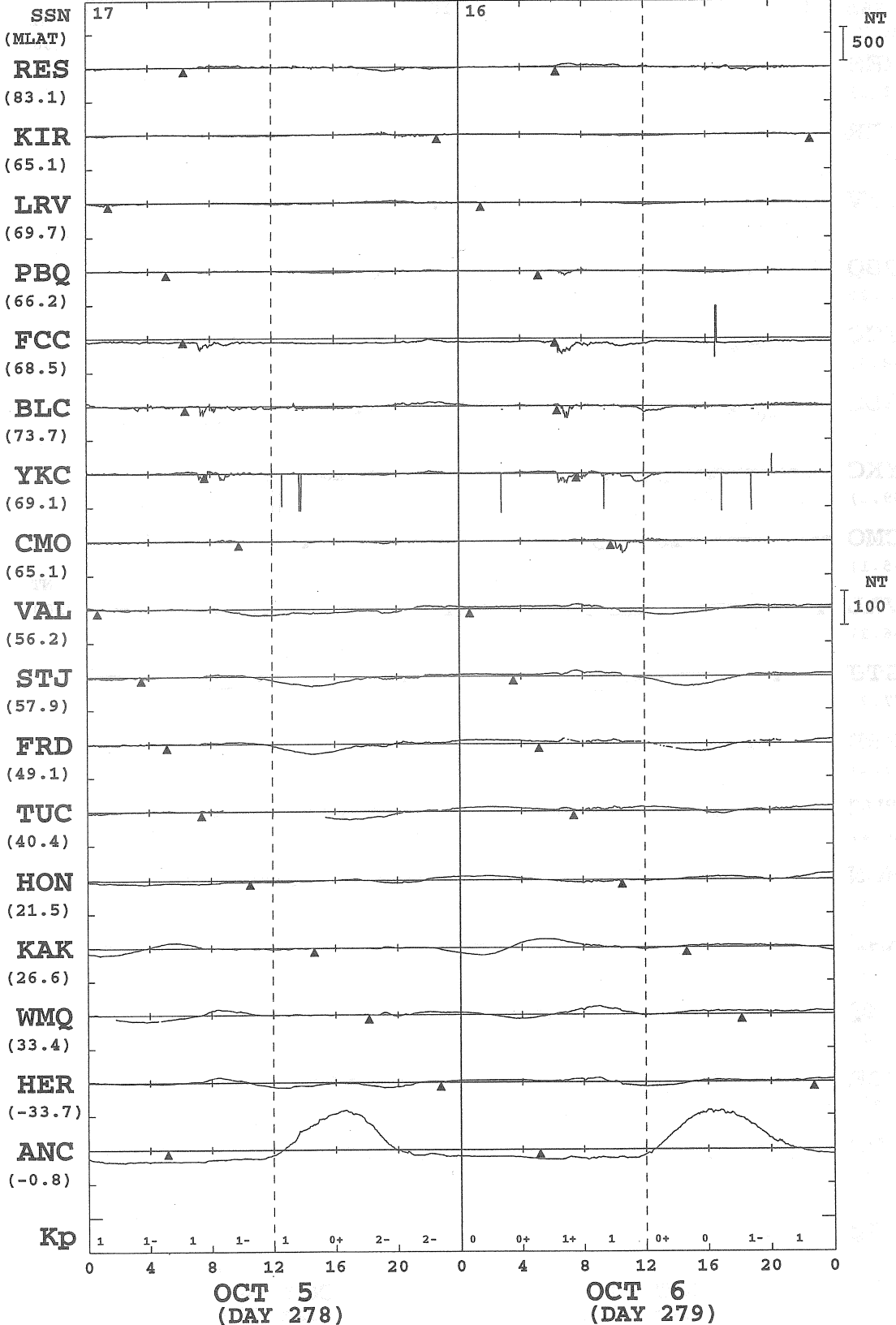
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT

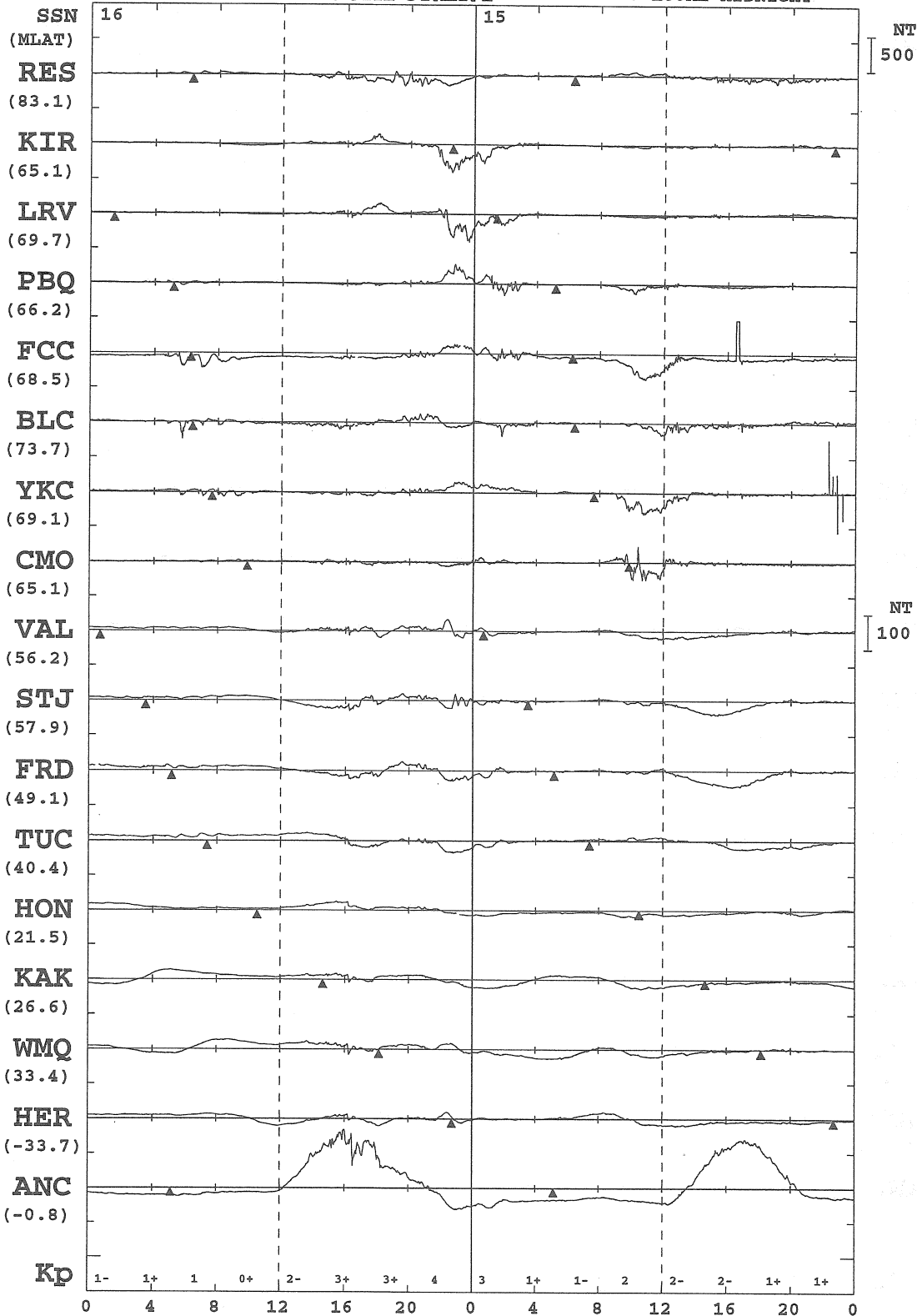


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

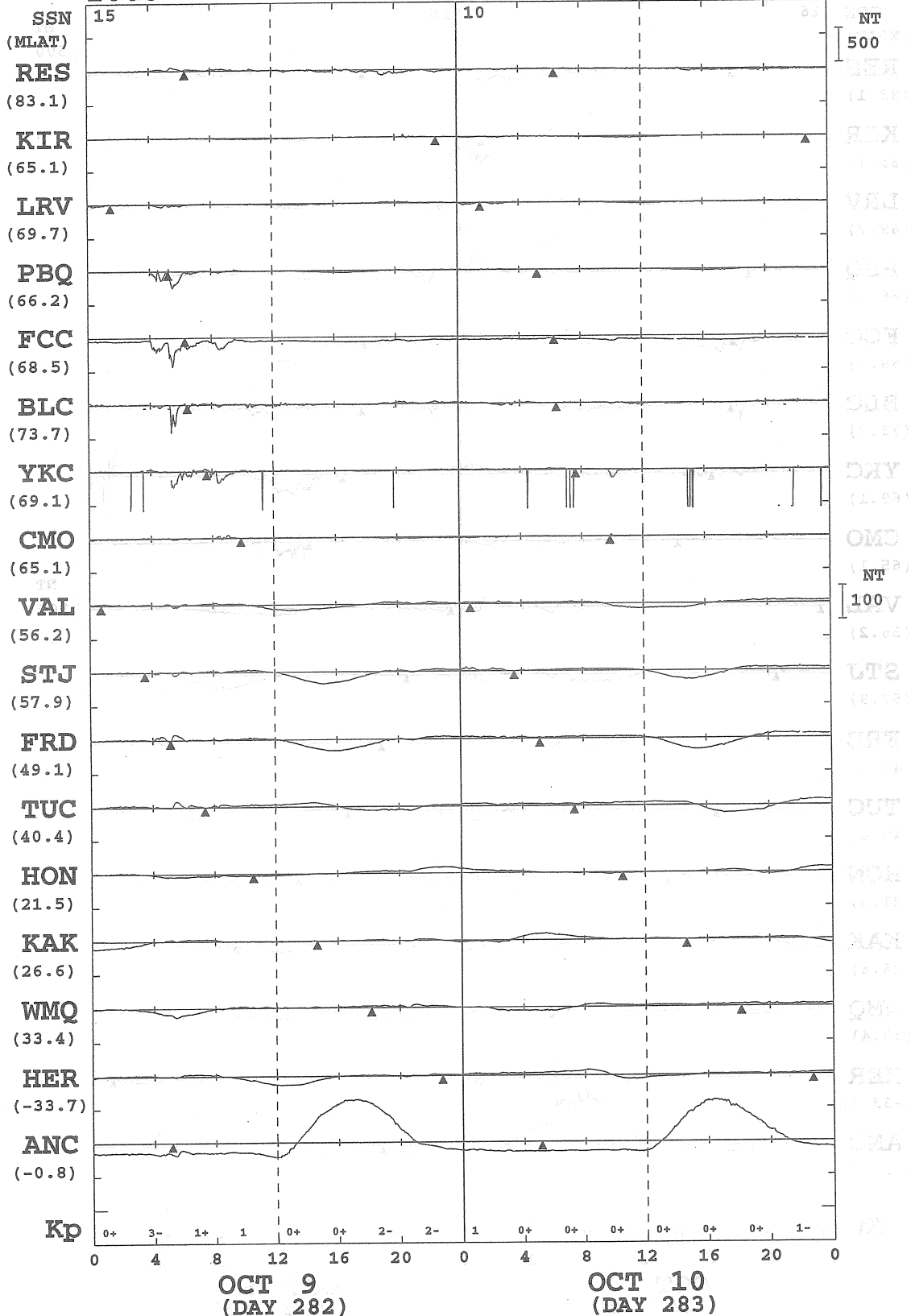
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

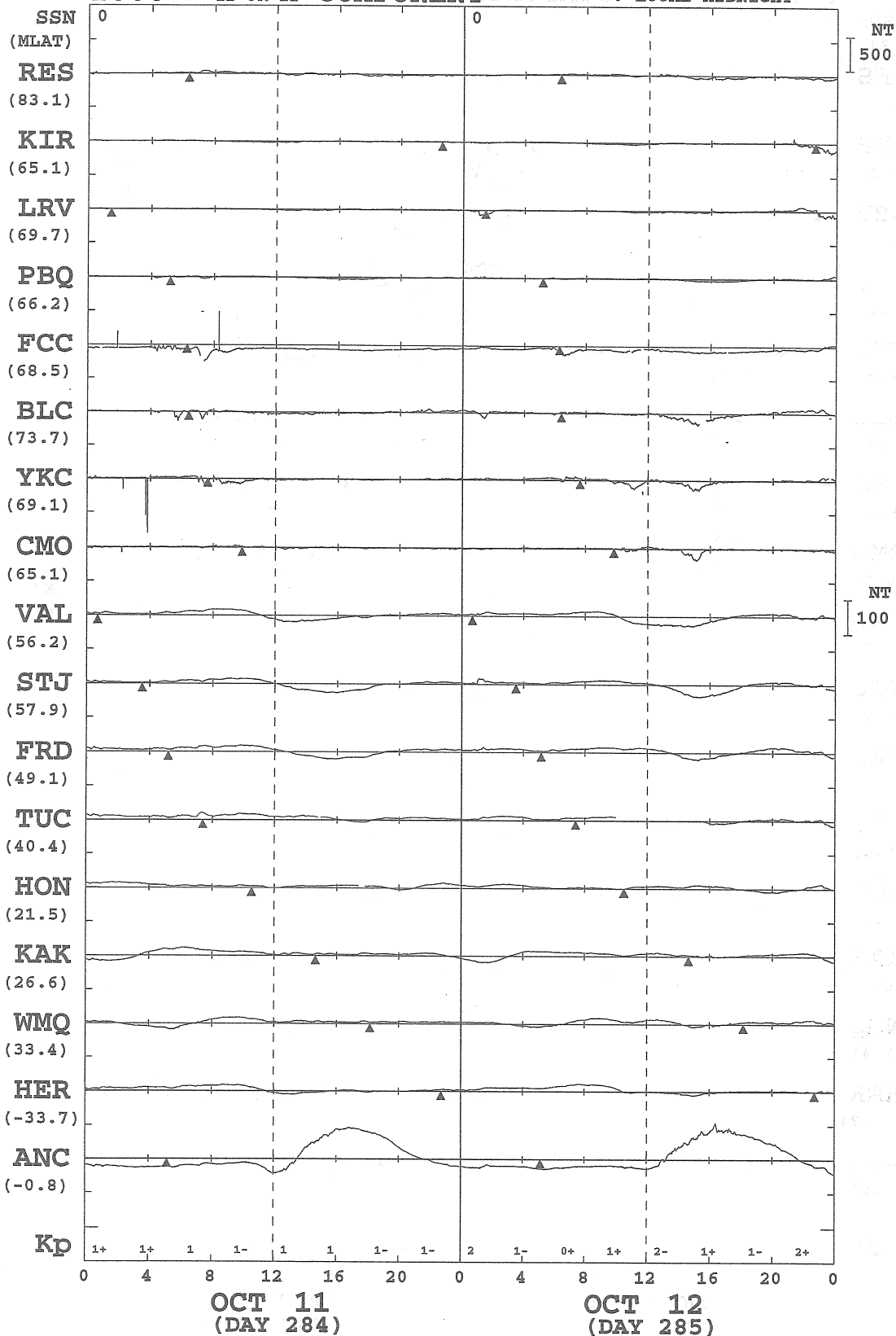
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

KYOTO UNIV.

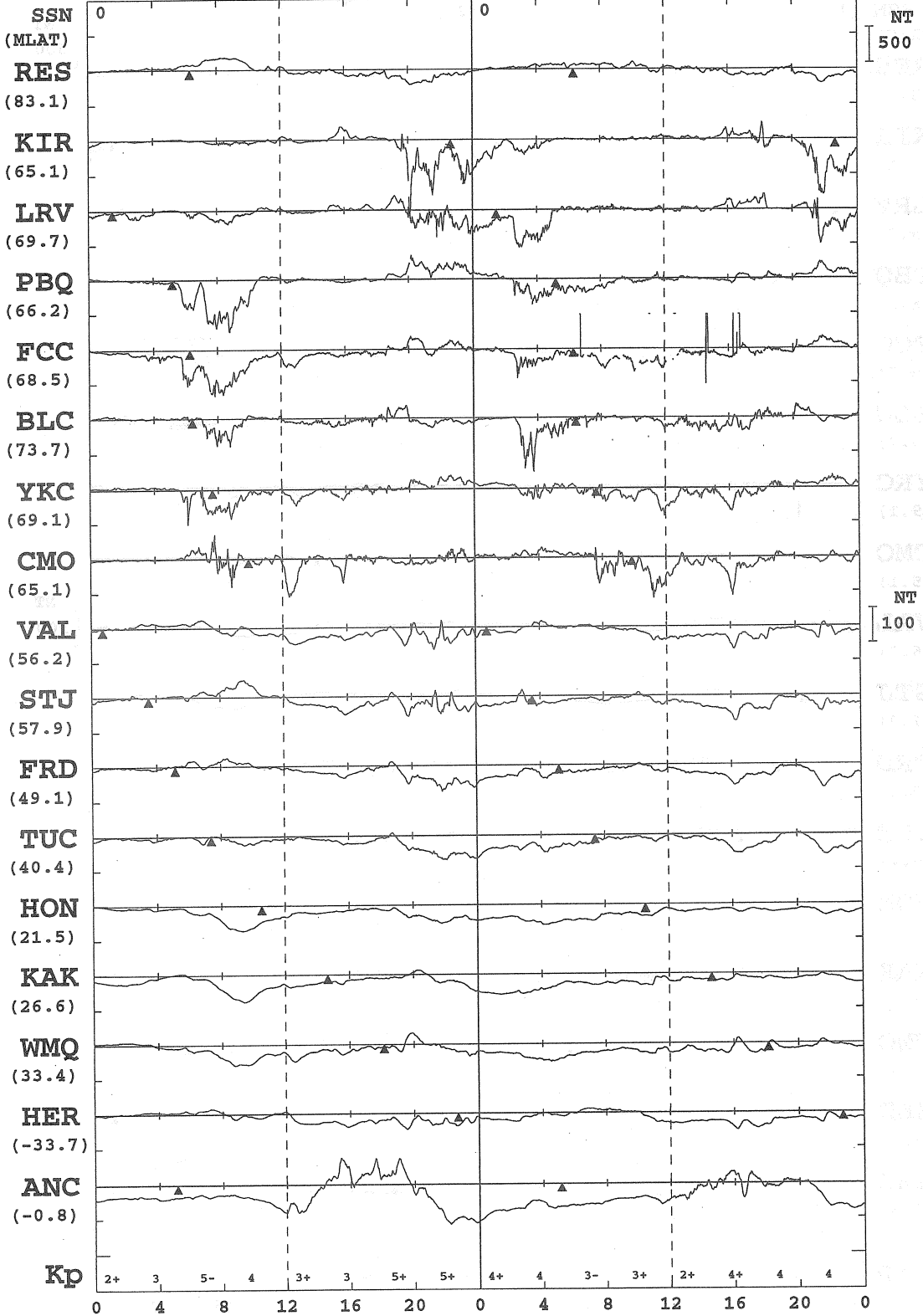
2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

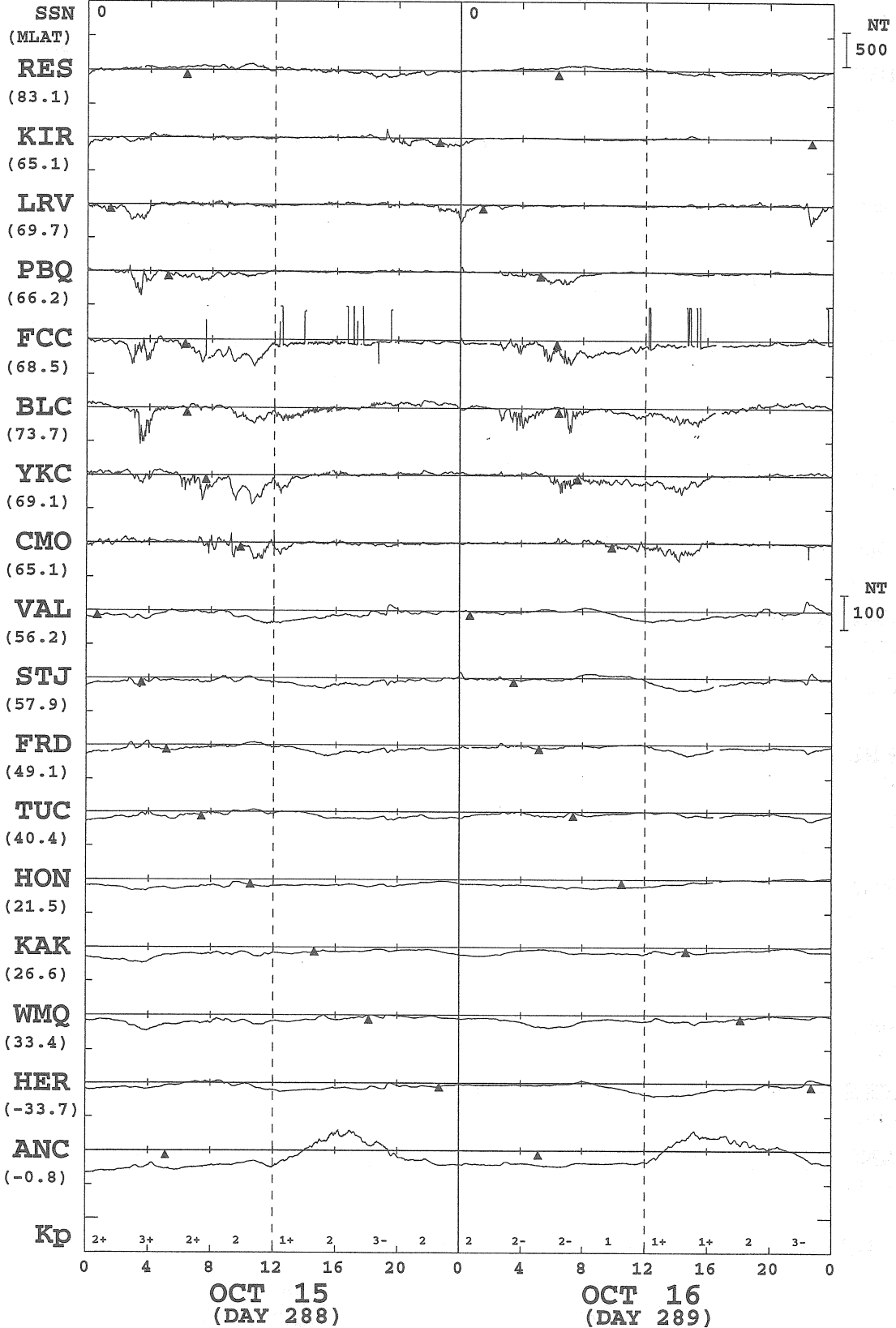
KYOTO UNIV.

2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

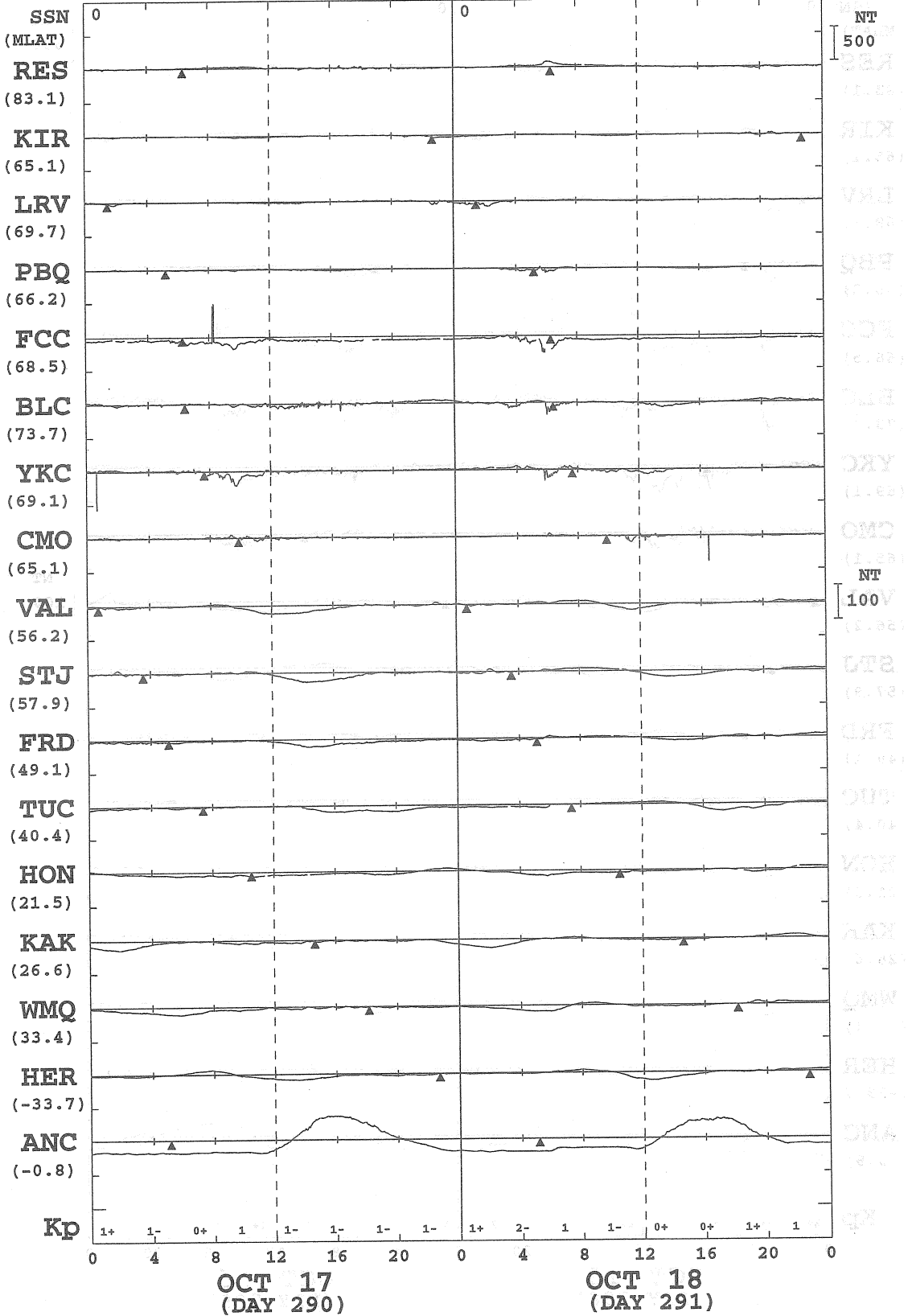
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

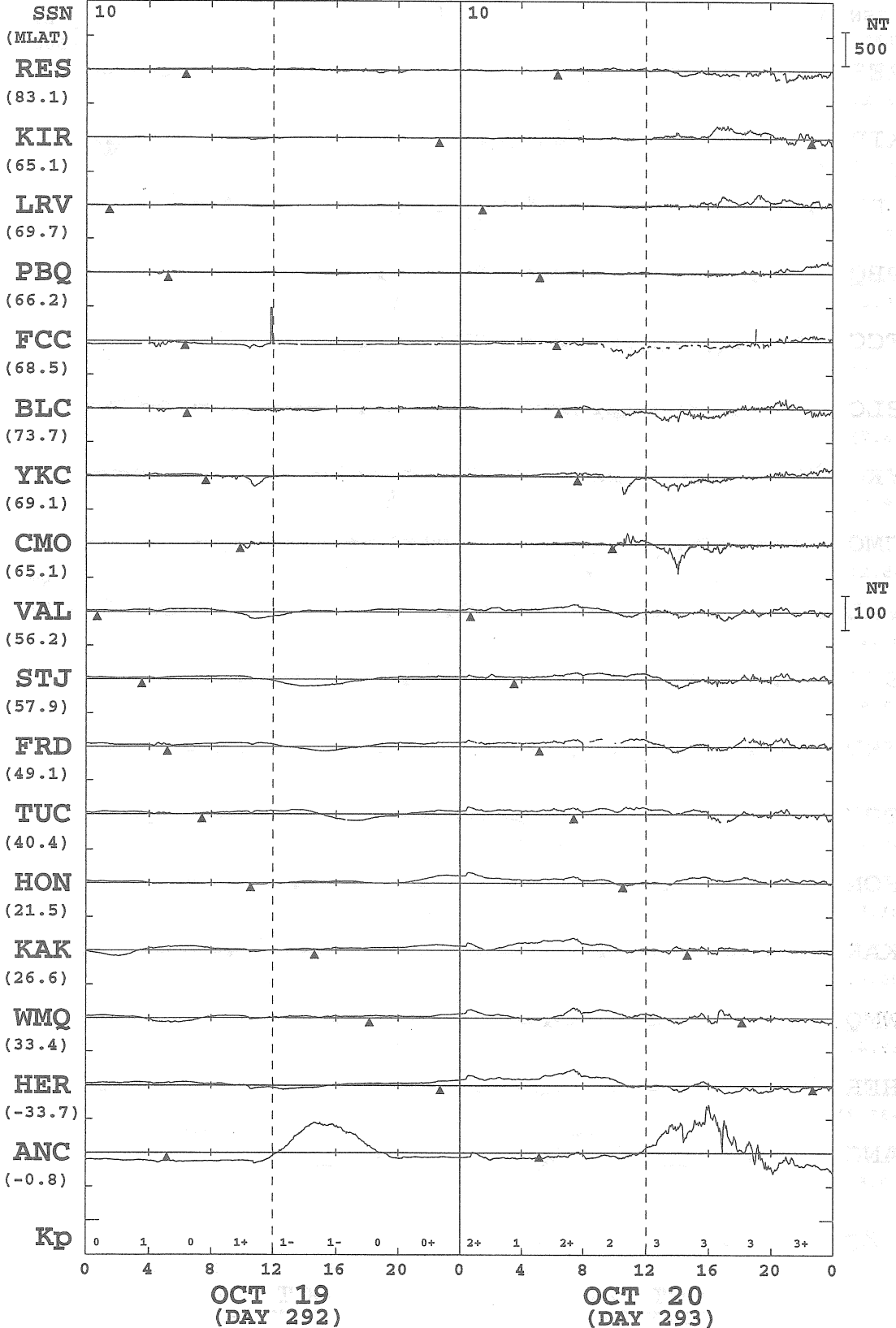
KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

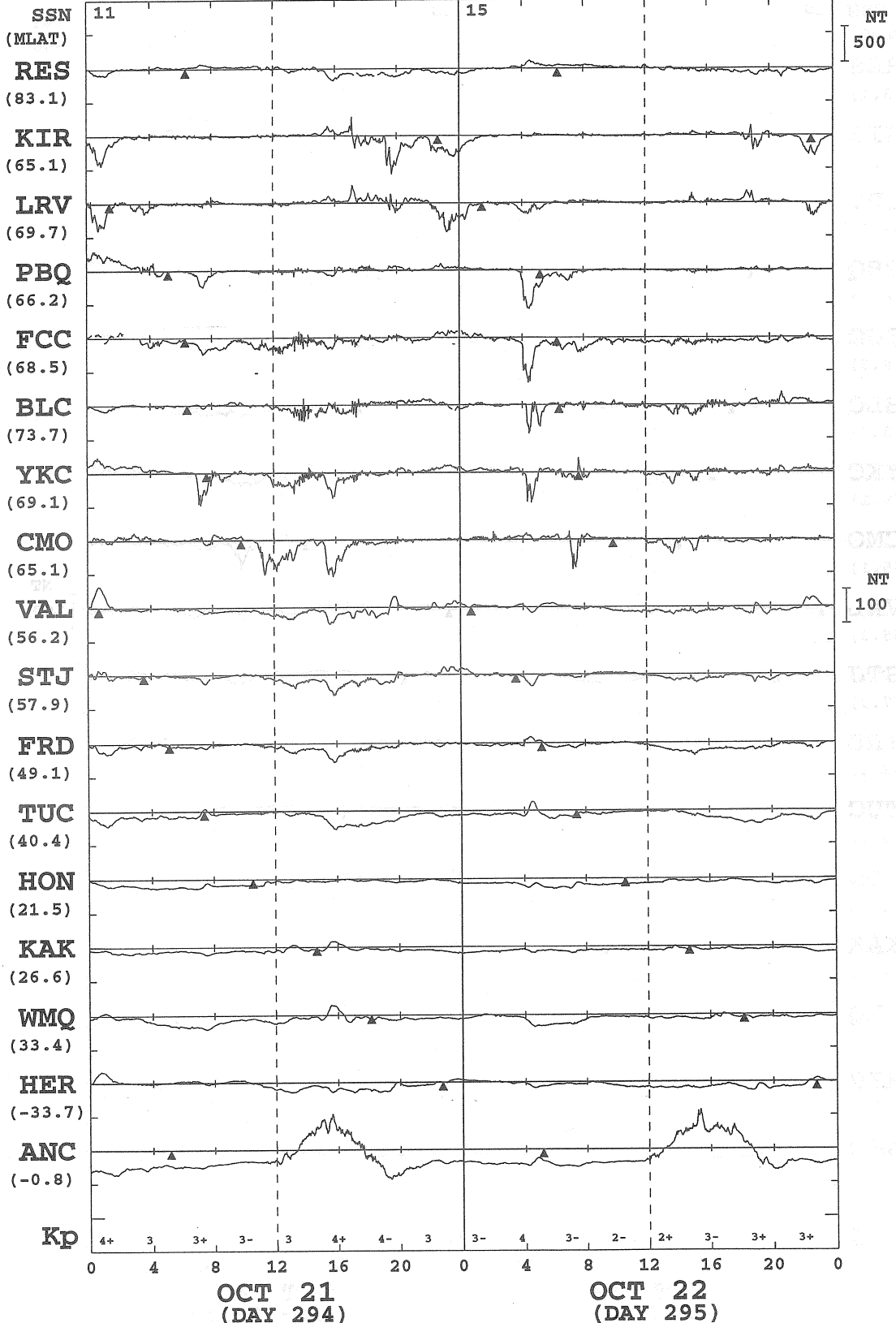
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

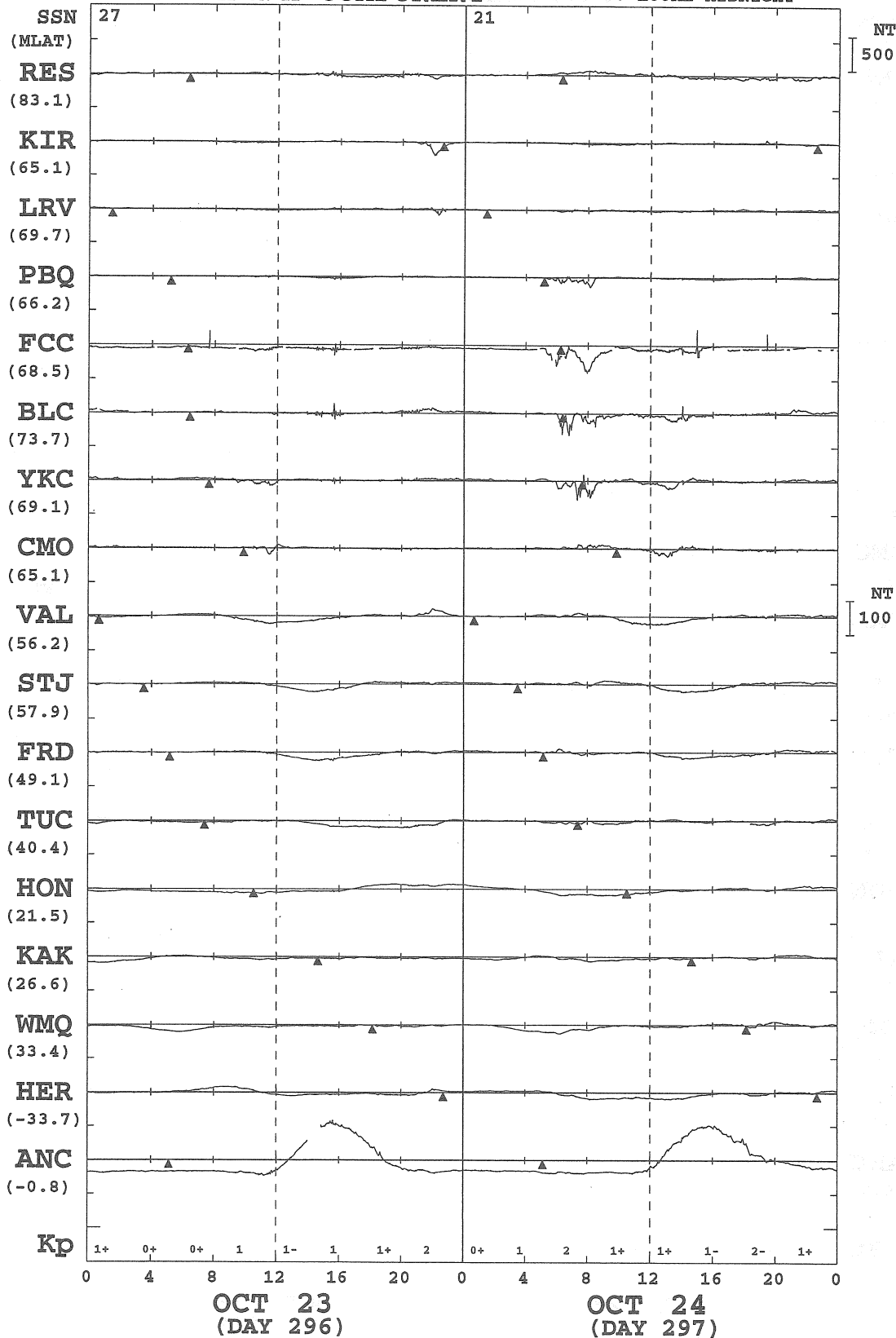
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED
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2006 H OR X-COMPONENT

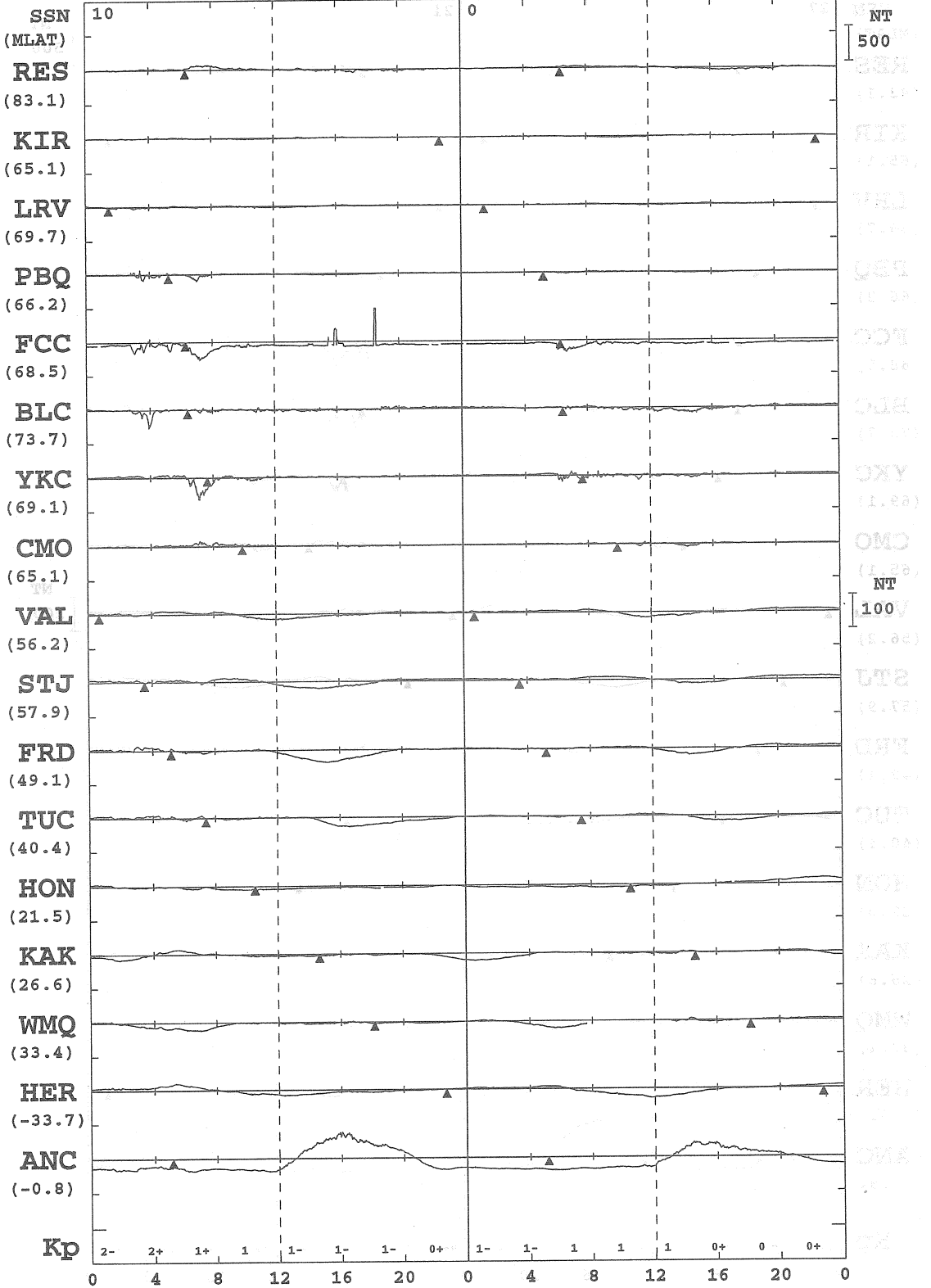
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT

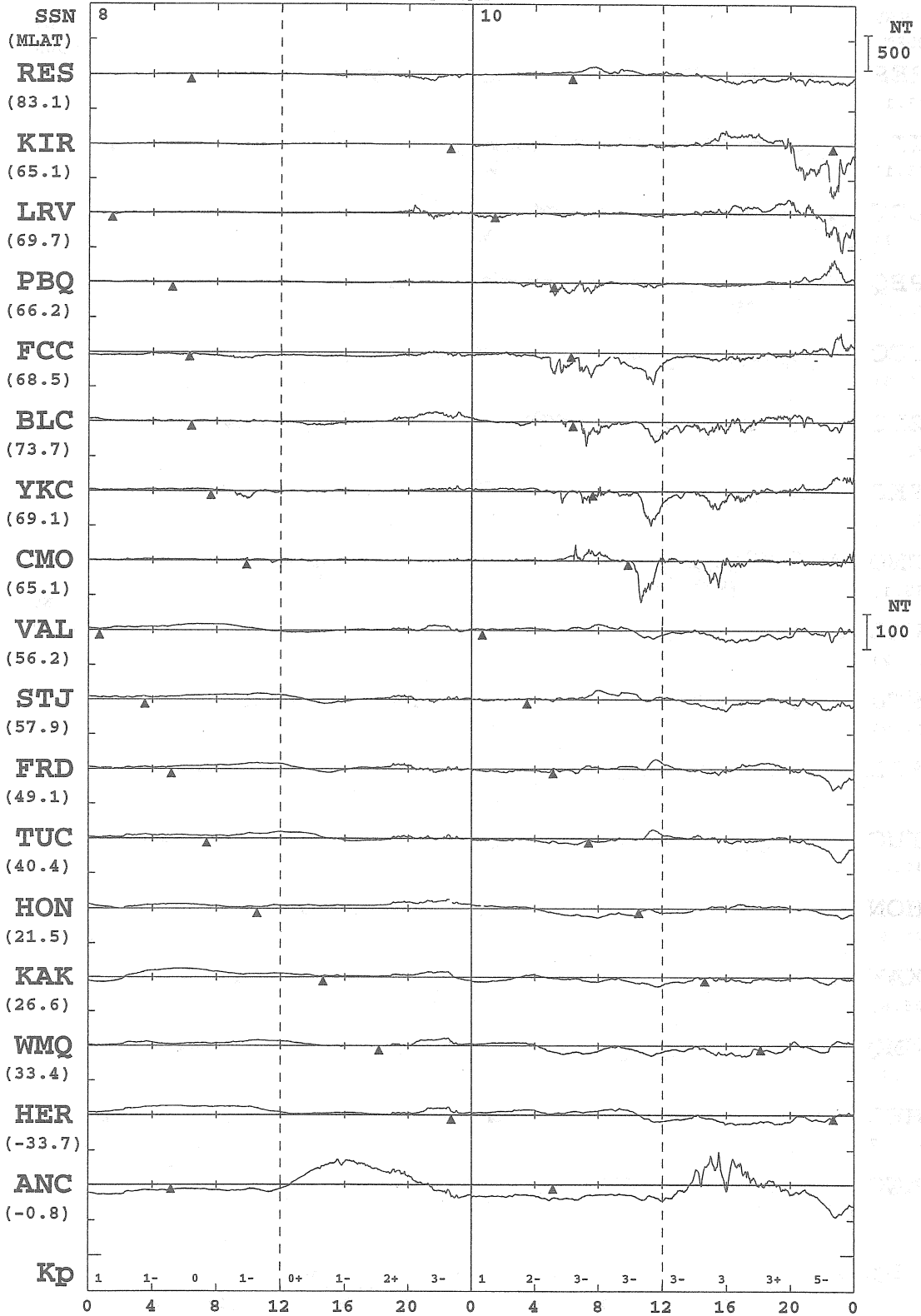


OCT 25 (DAY 298) OCT 26 (DAY 299)

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

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2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

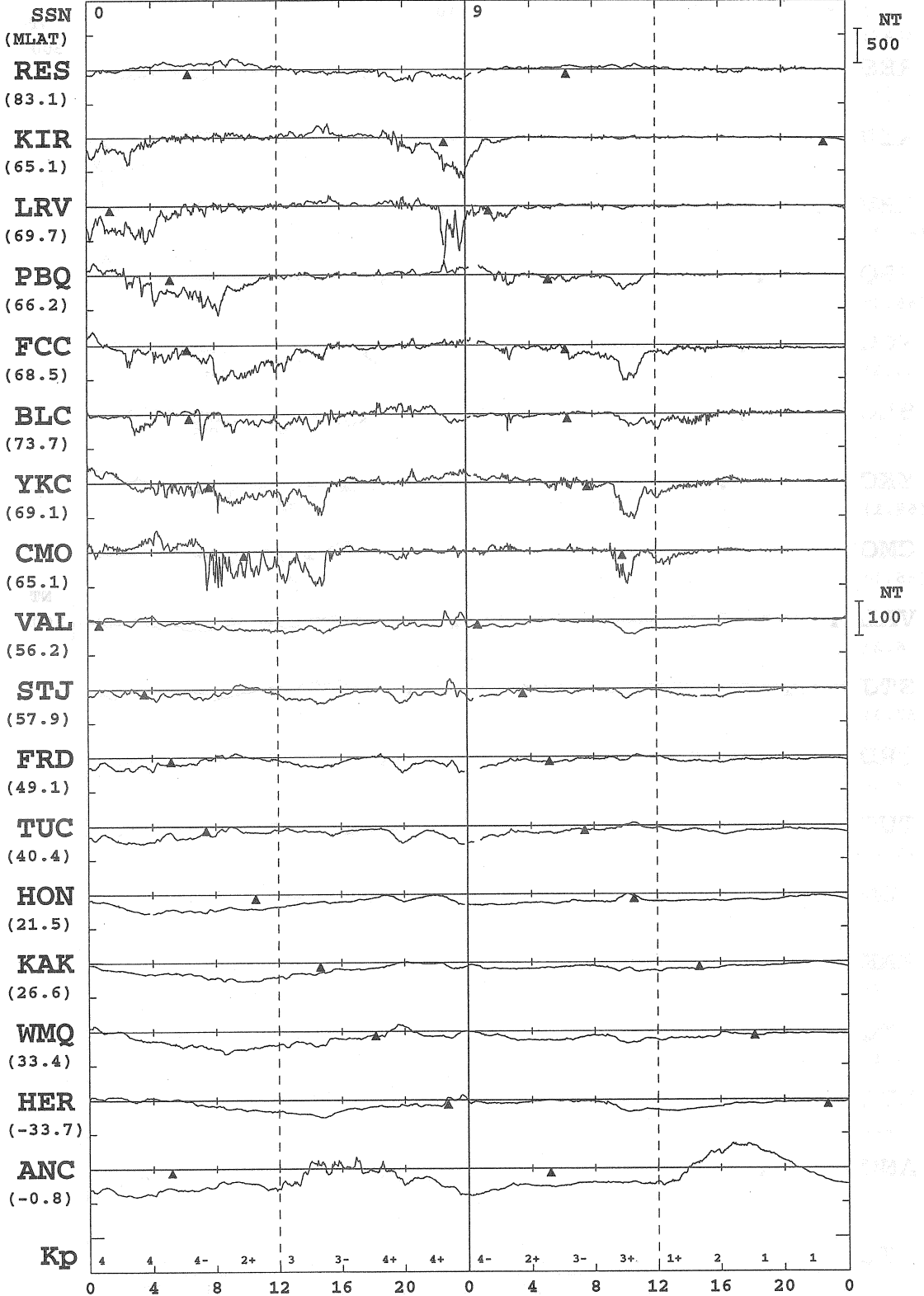


OCT 27 (DAY 300) OCT 28 (DAY 301)

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

KYOTO UNIV.

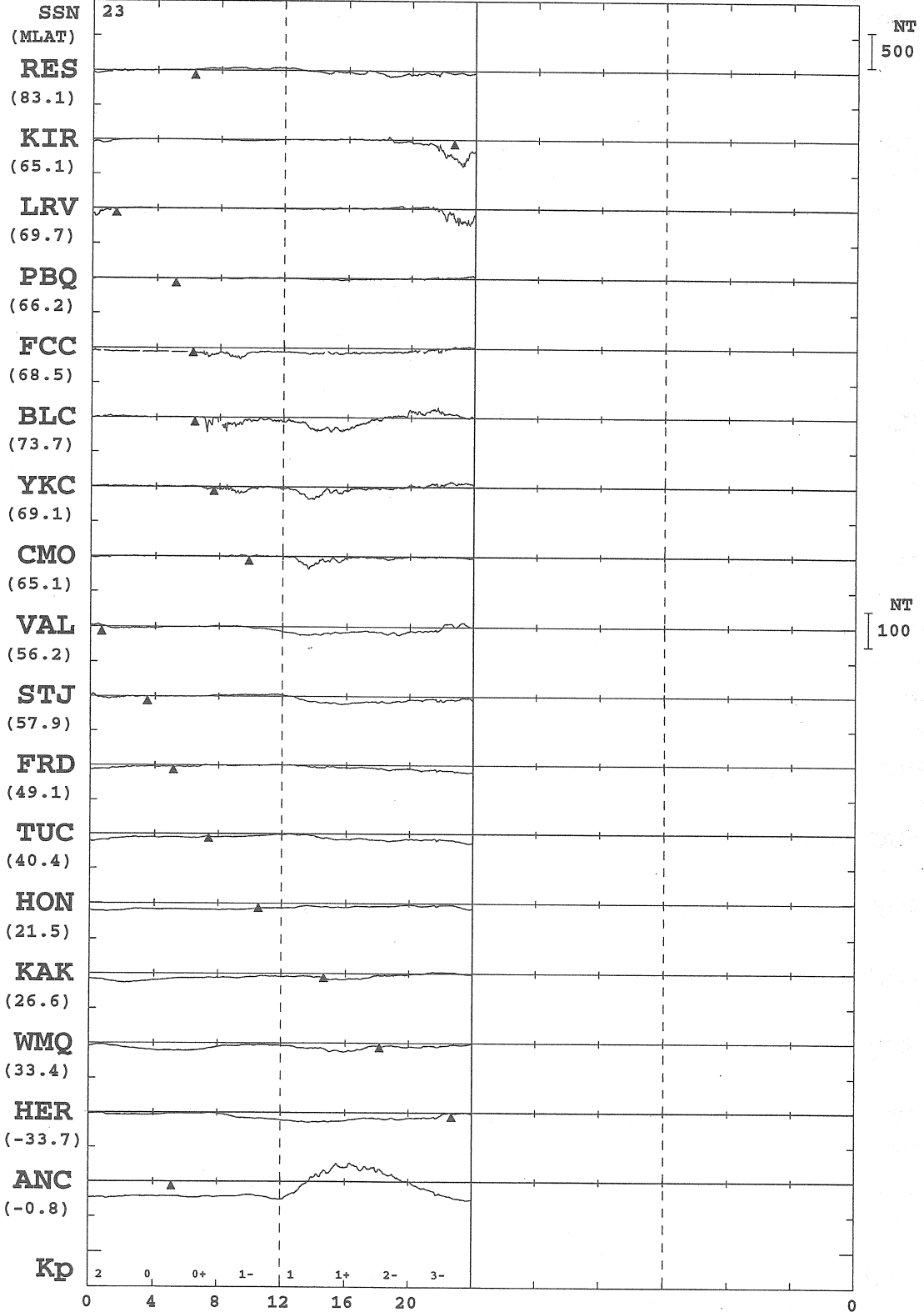
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

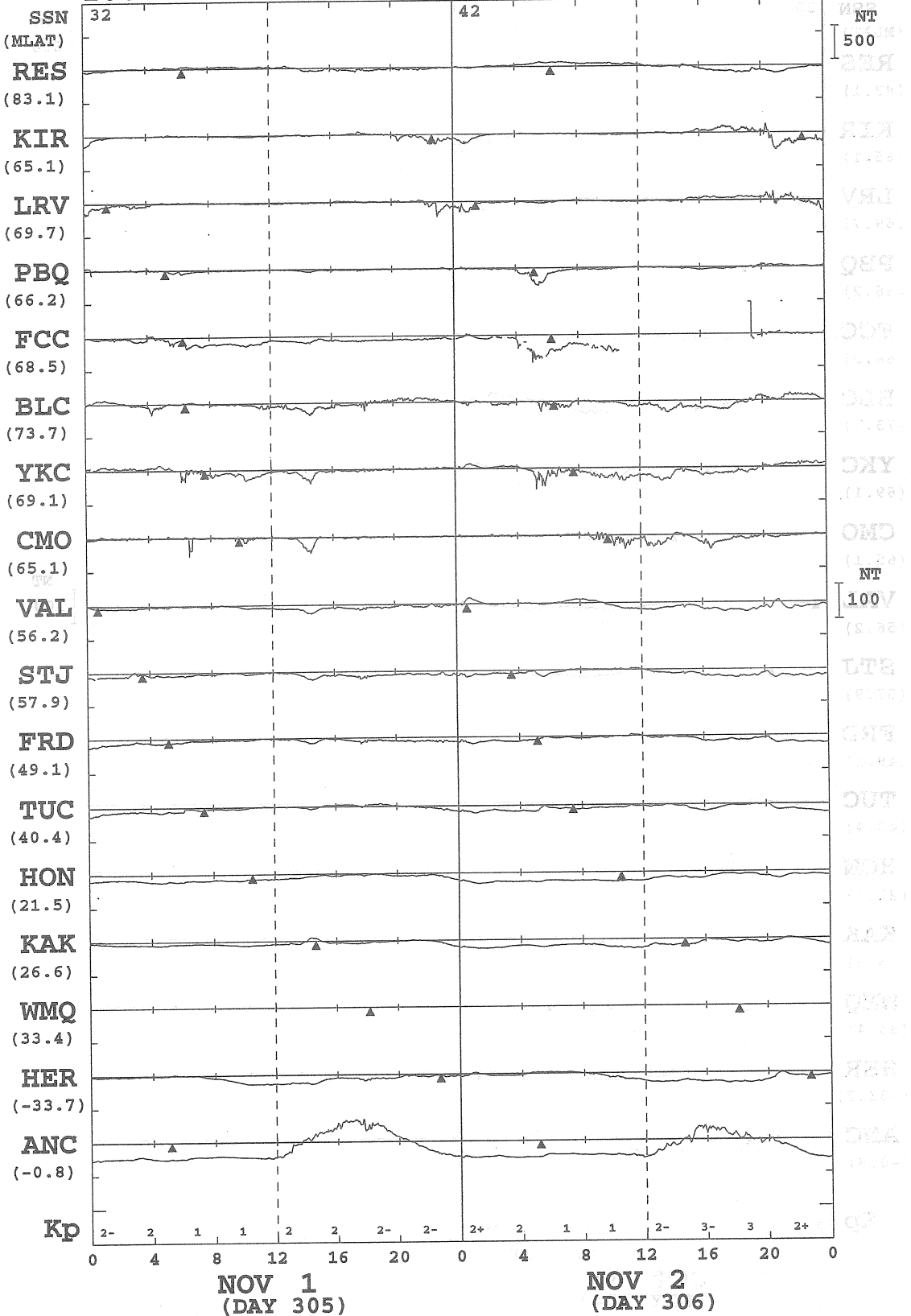


OCT 31
(DAY 304)

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

KYOTO UNIV.

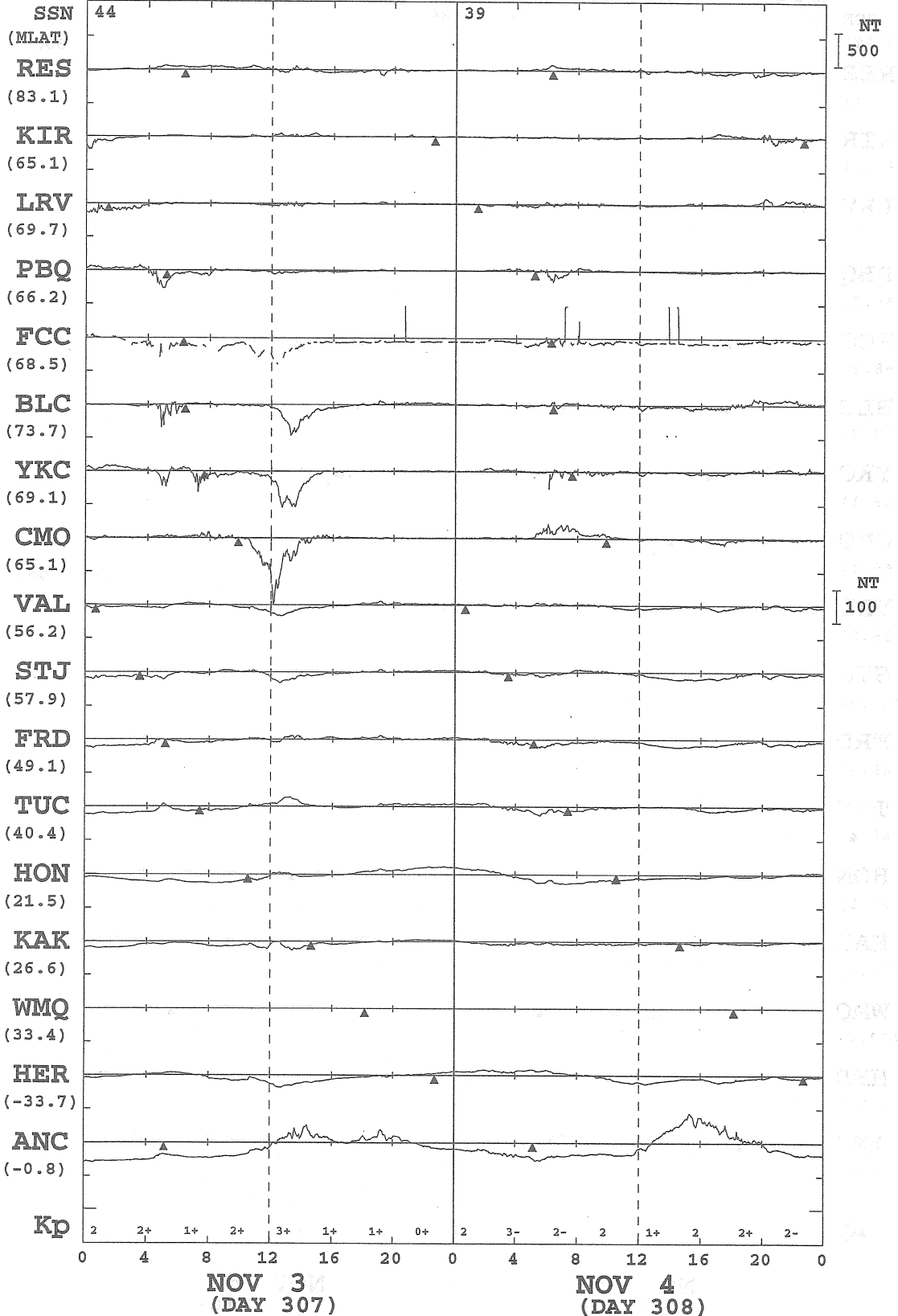
2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

KYOTO UNIV.

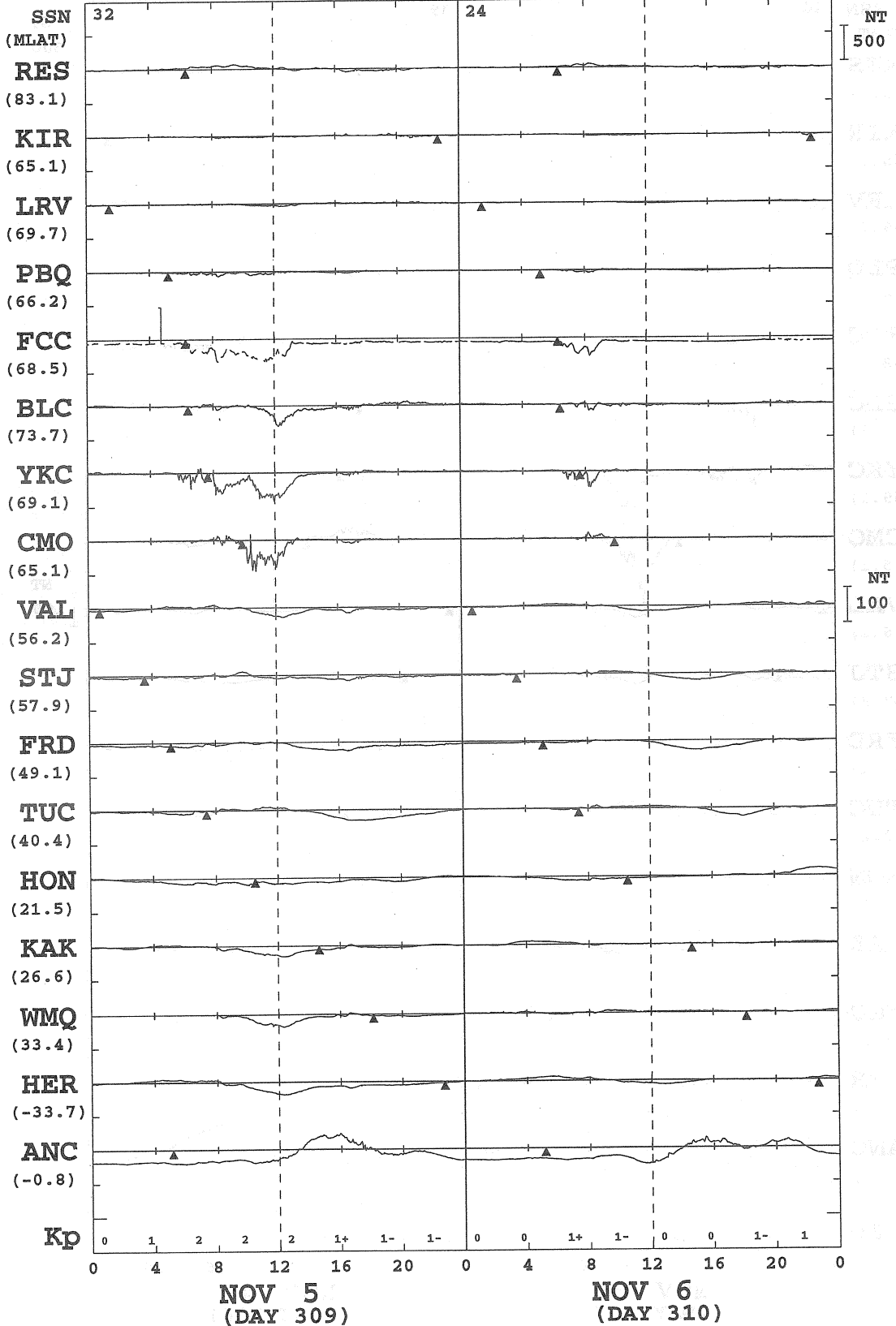
2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

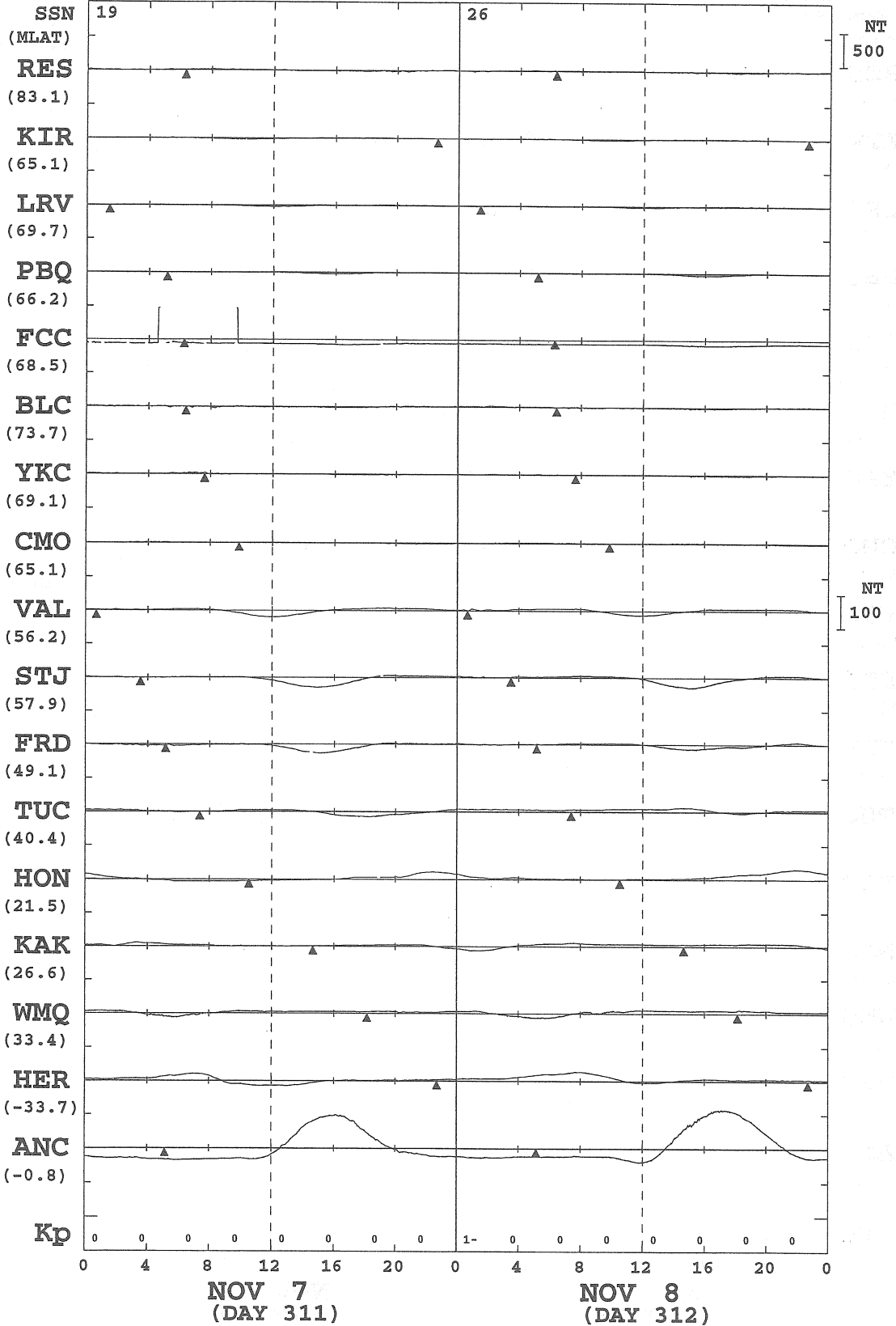


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

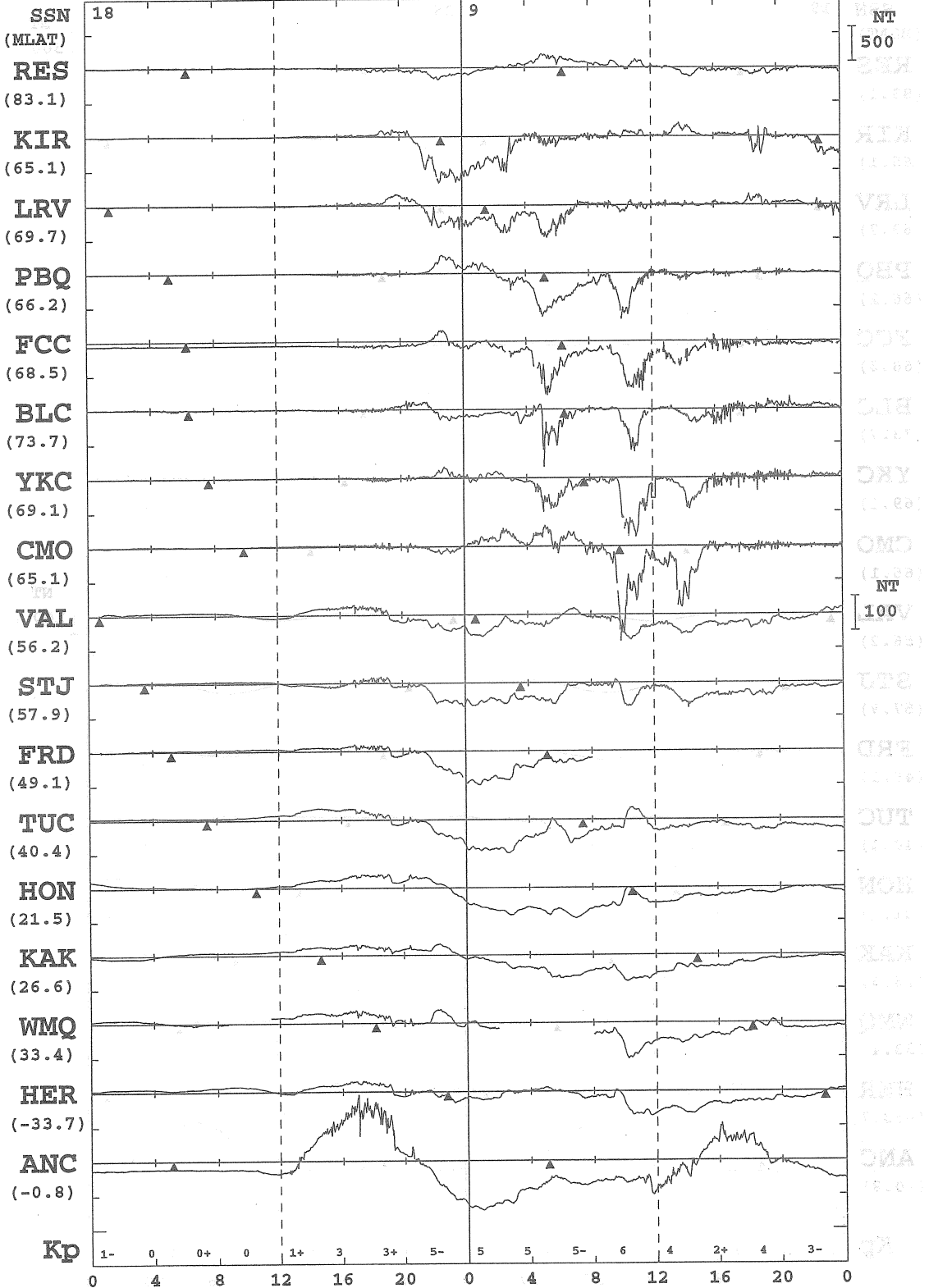
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT

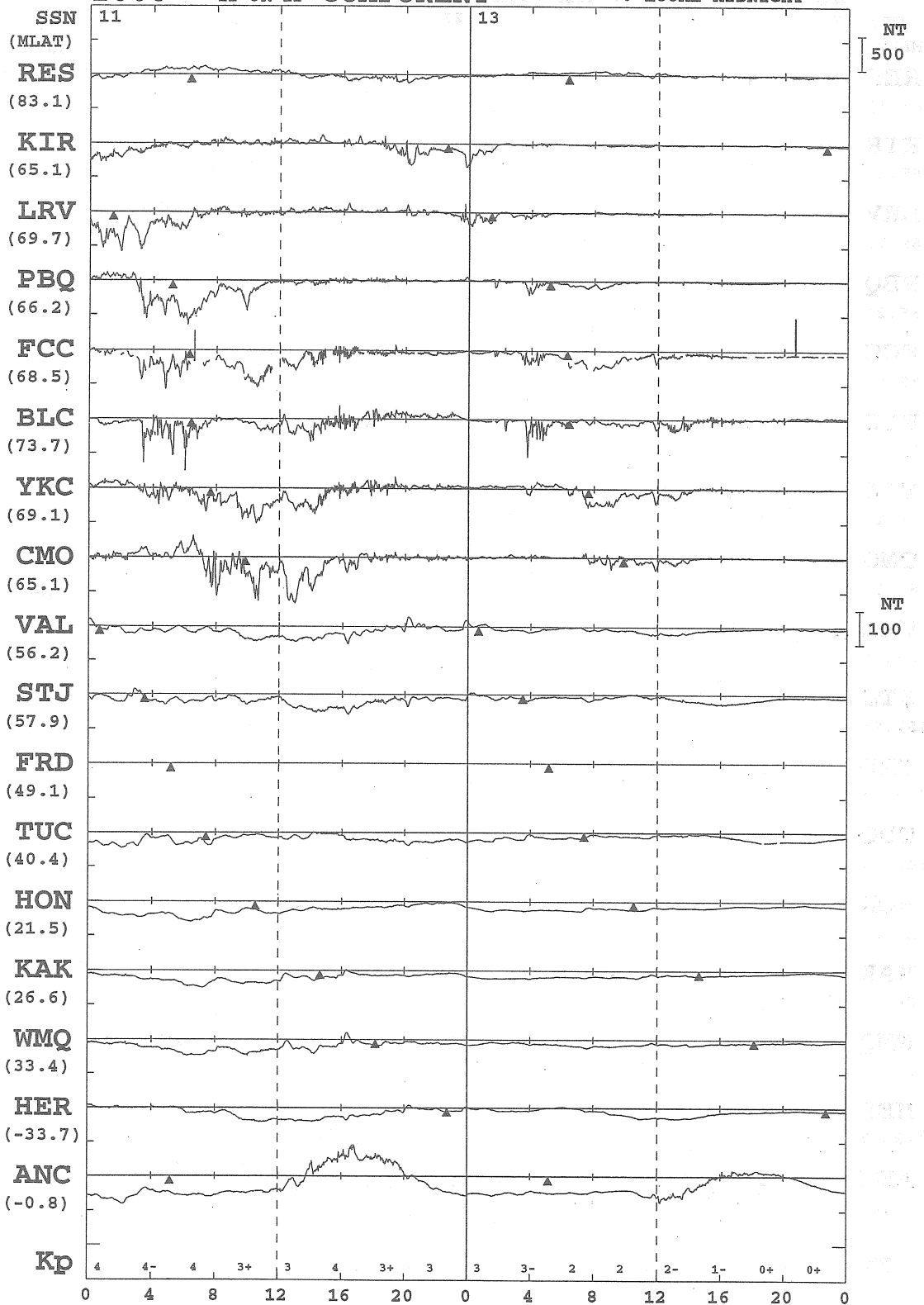


NOV 9
(DAY 313)

NOV 10
(DAY 314)

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

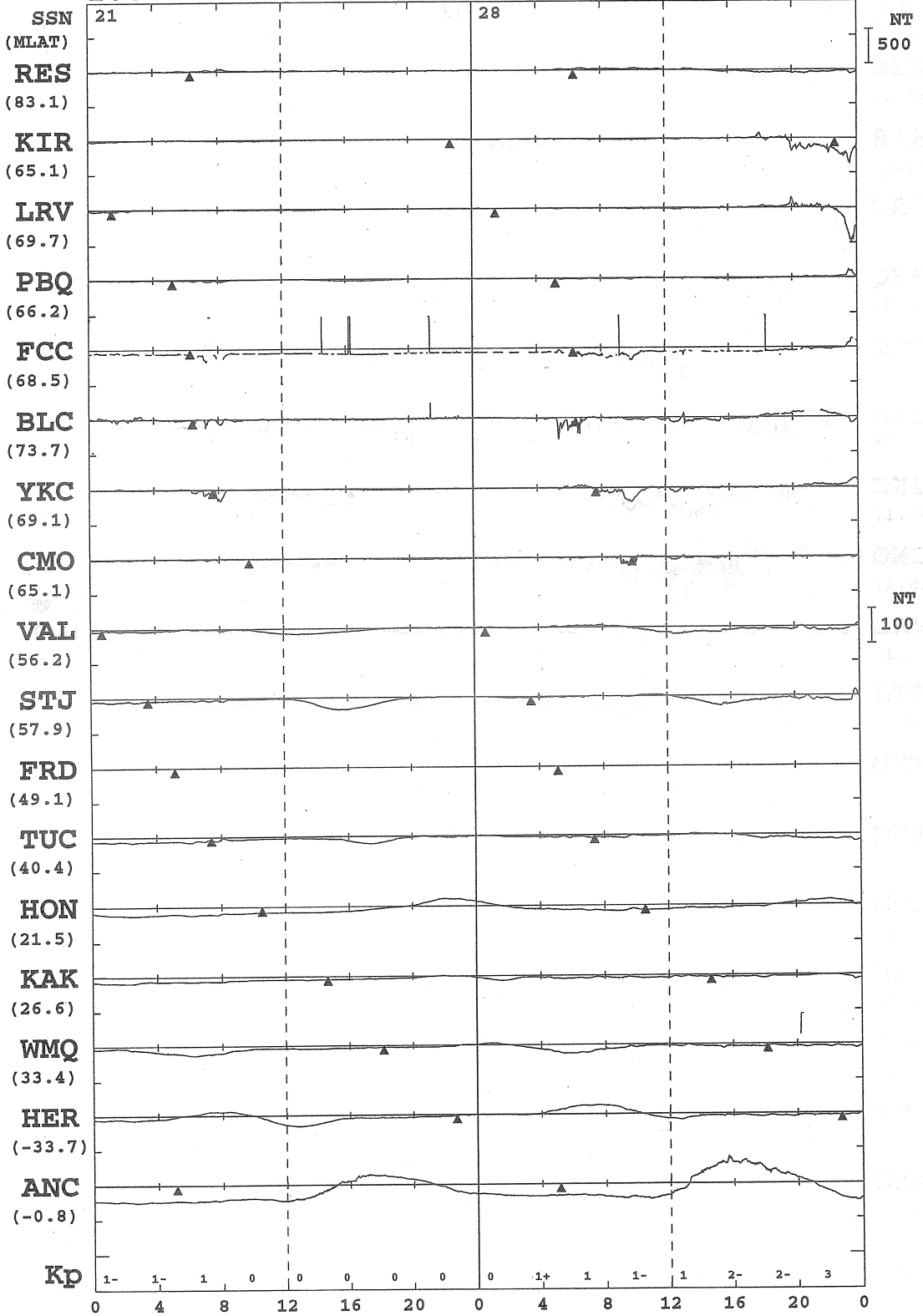
2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



NOV 13
(DAY 317)

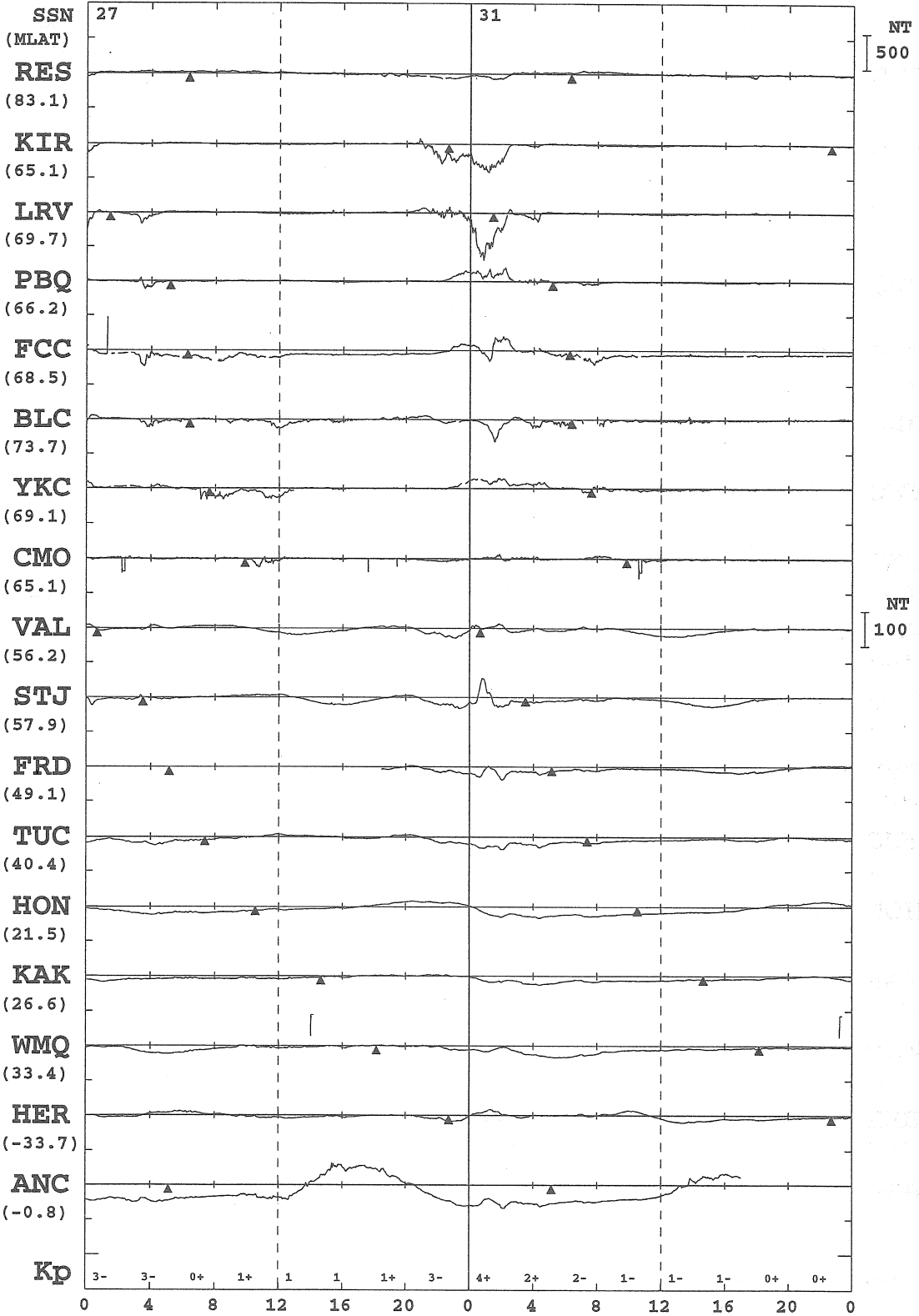
NOV 14
(DAY 318)

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

KYOTO UNIV.

2006 H OR X-COMPONENT

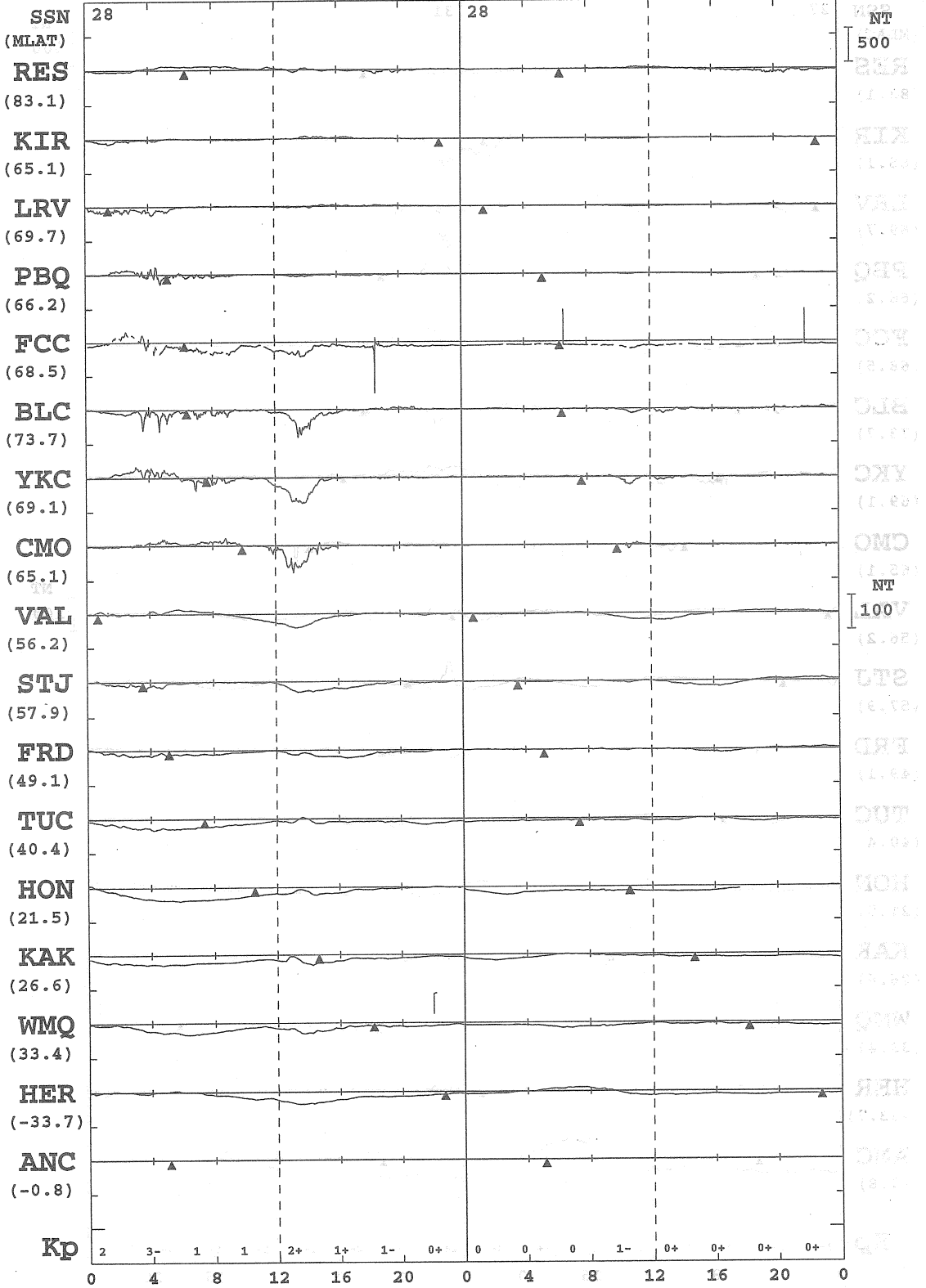
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲: LOCAL MIDNIGHT

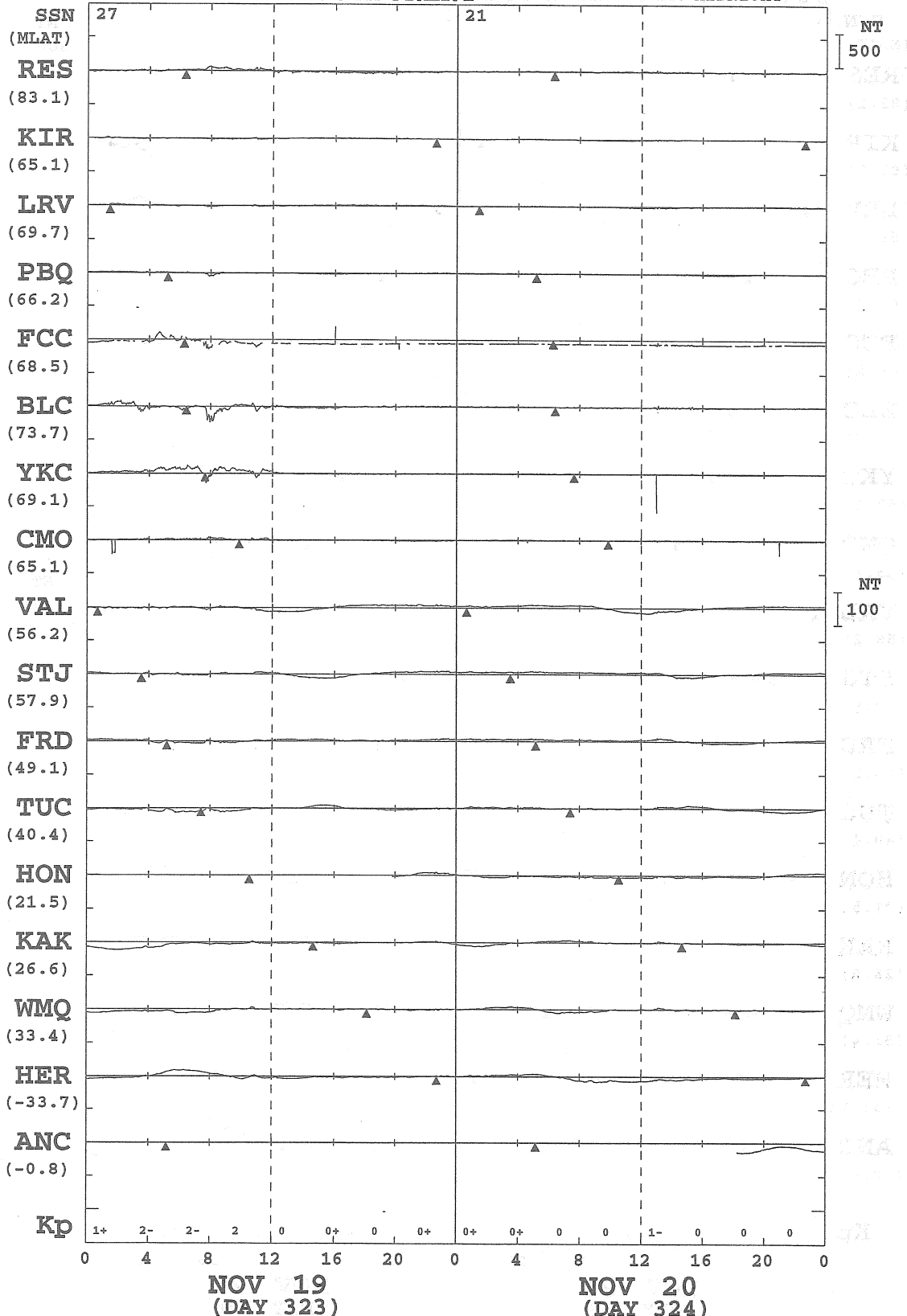


NOV 17
(DAY 321)

NOV 18
(DAY 322)

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

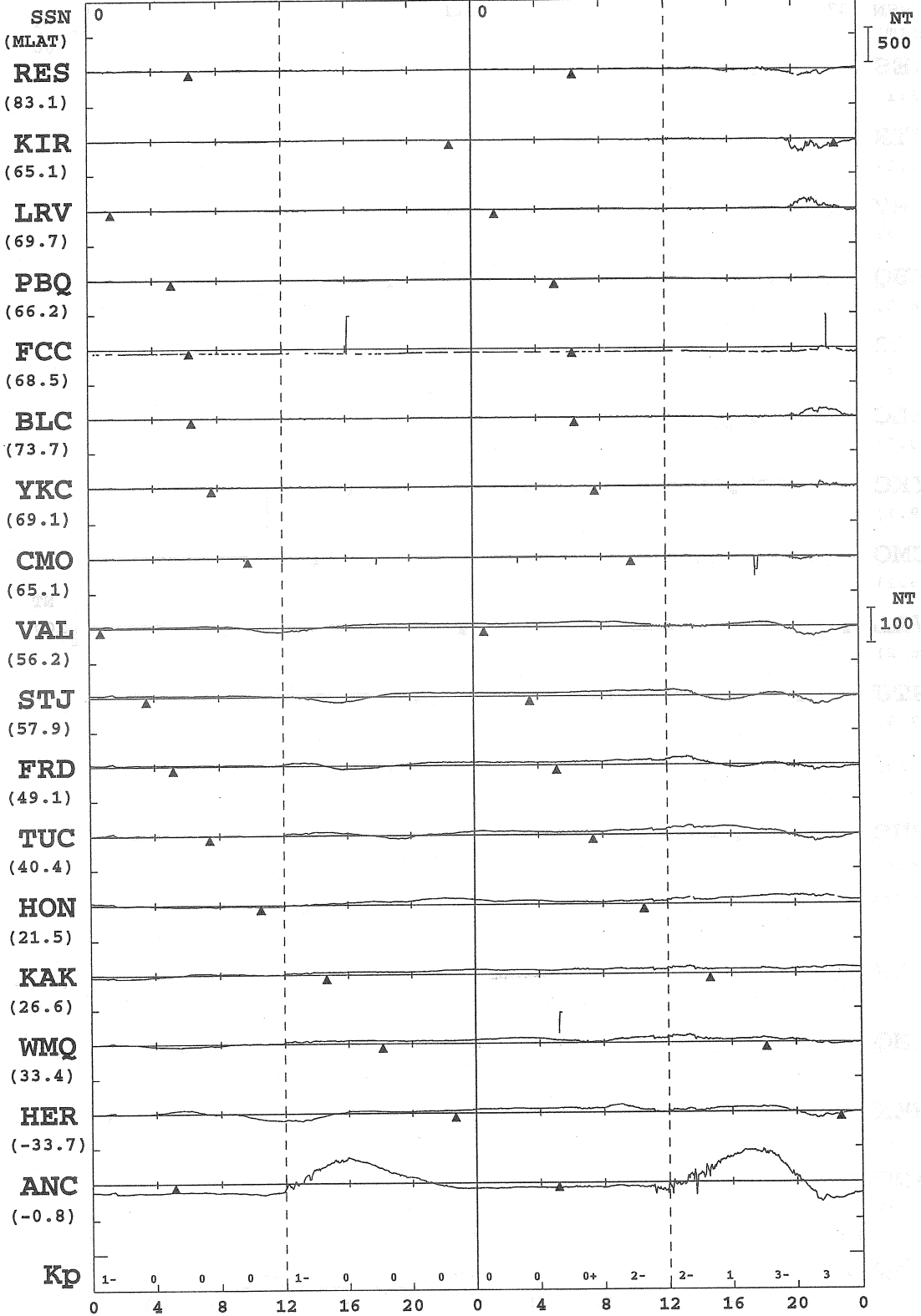
2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



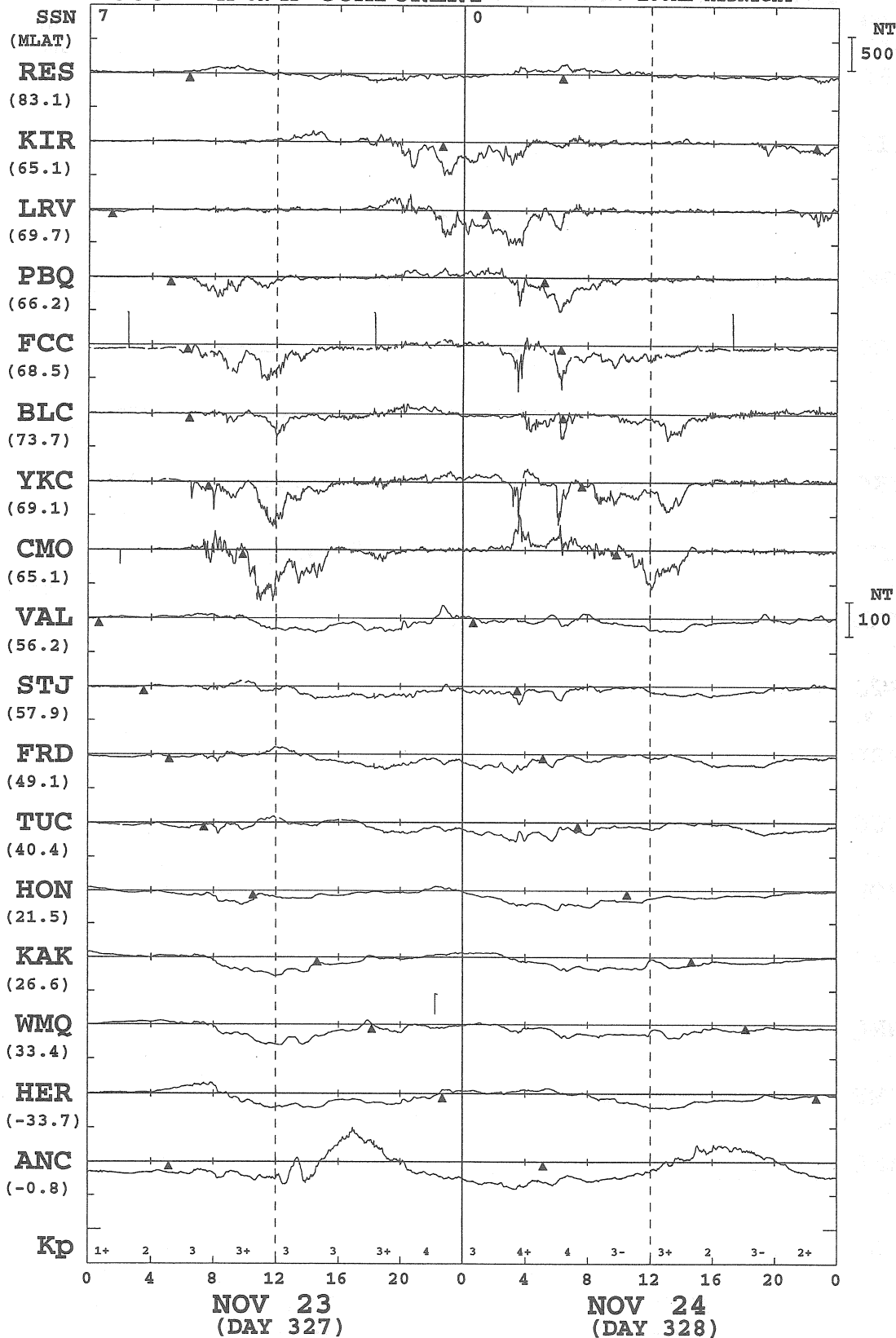
NOV 21
(DAY 325)

NOV 22
(DAY 326)

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

KYOTO UNIV.

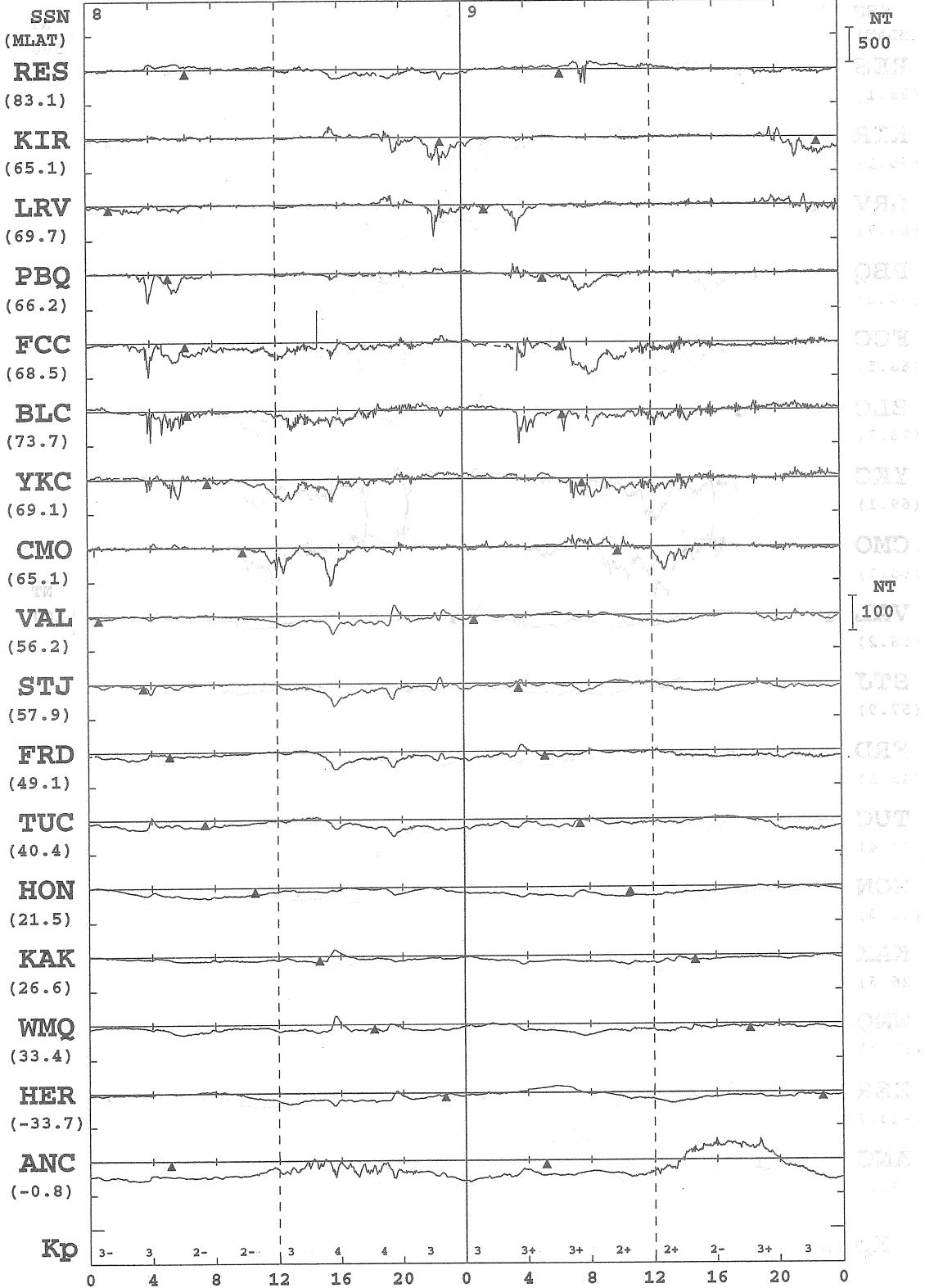
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

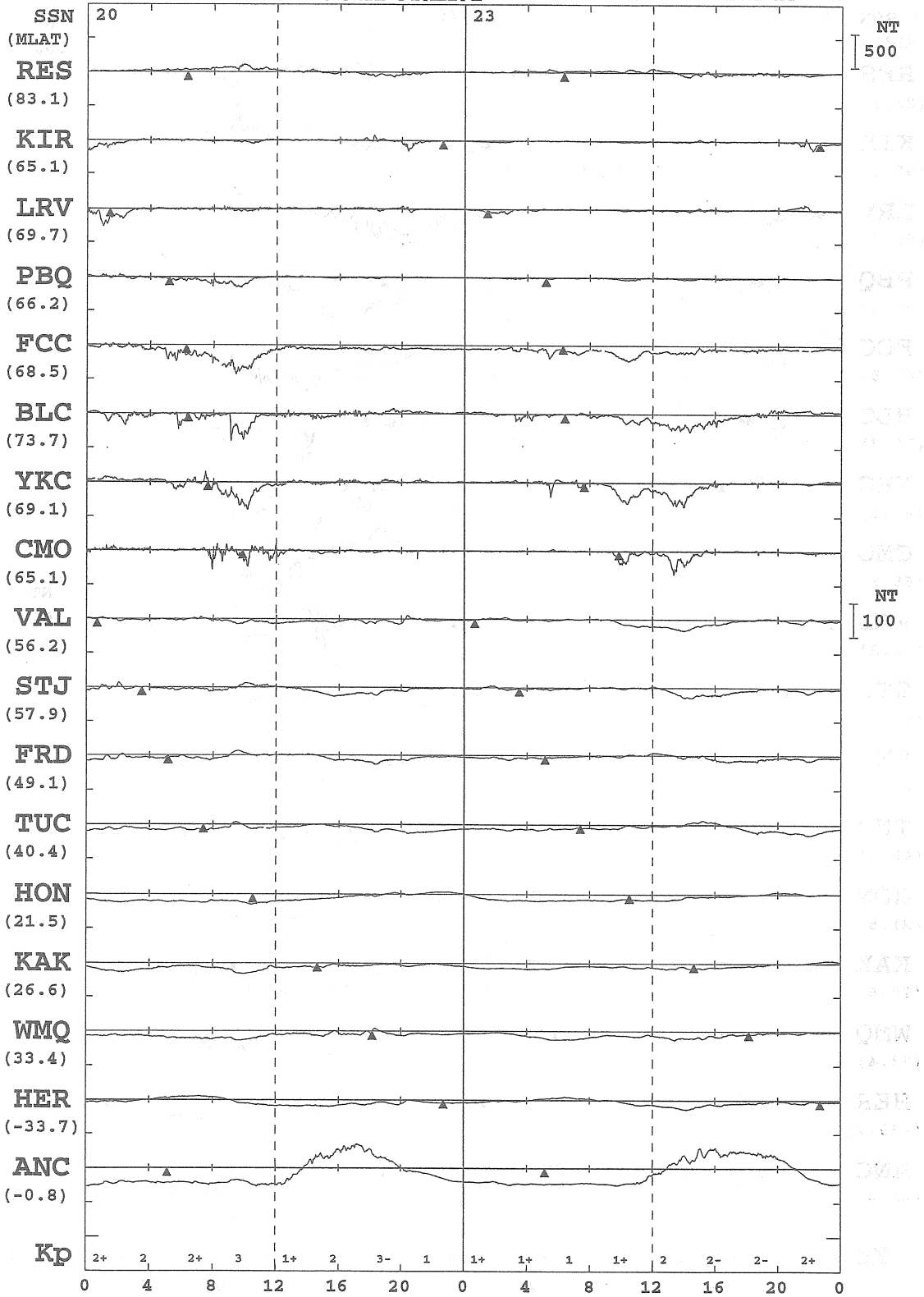
KYOTO UNIV.

2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT ▲: LOCAL MIDNIGHT



NOV 27 (DAY 331)

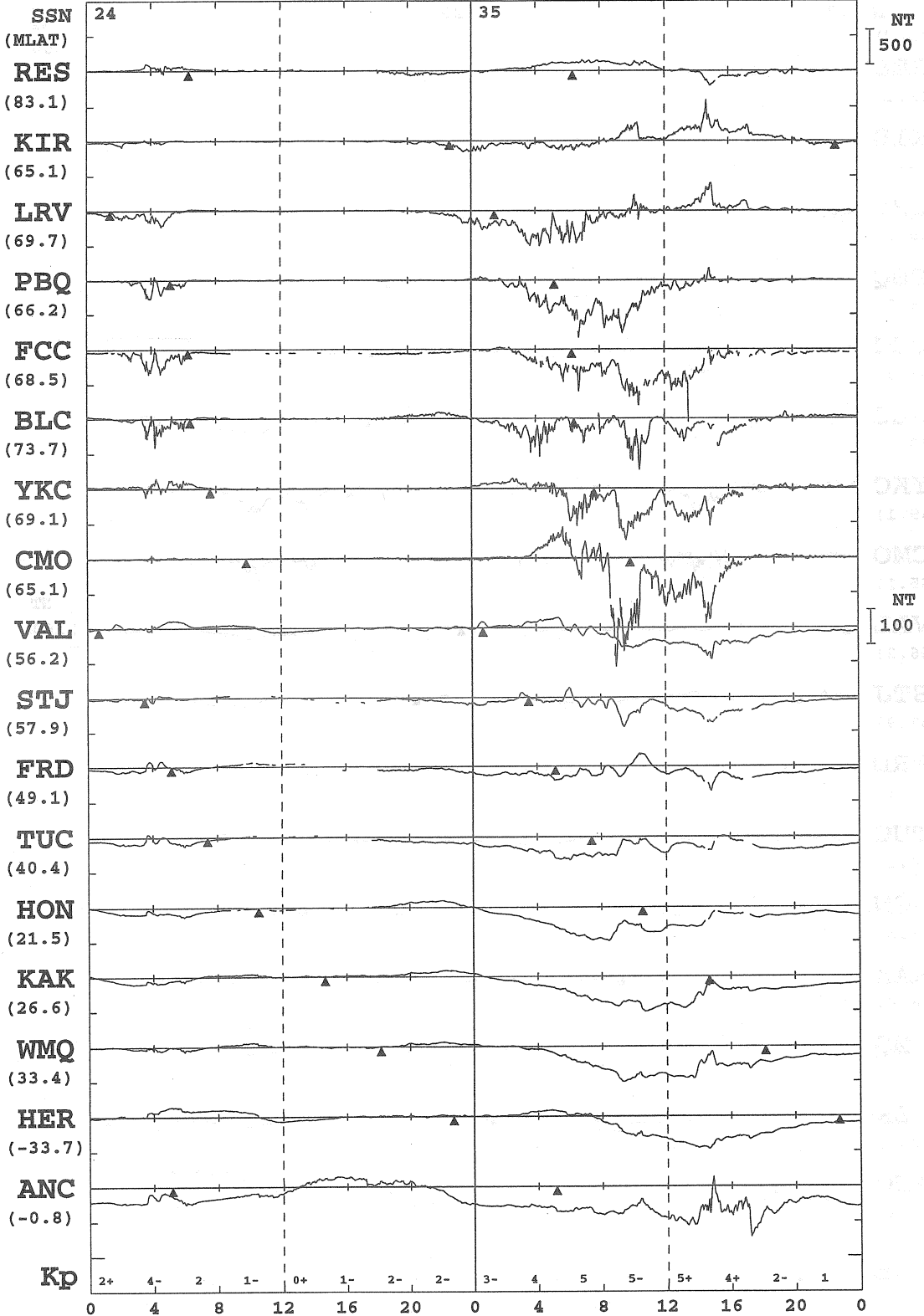
NOV 28 (DAY 332)

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

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



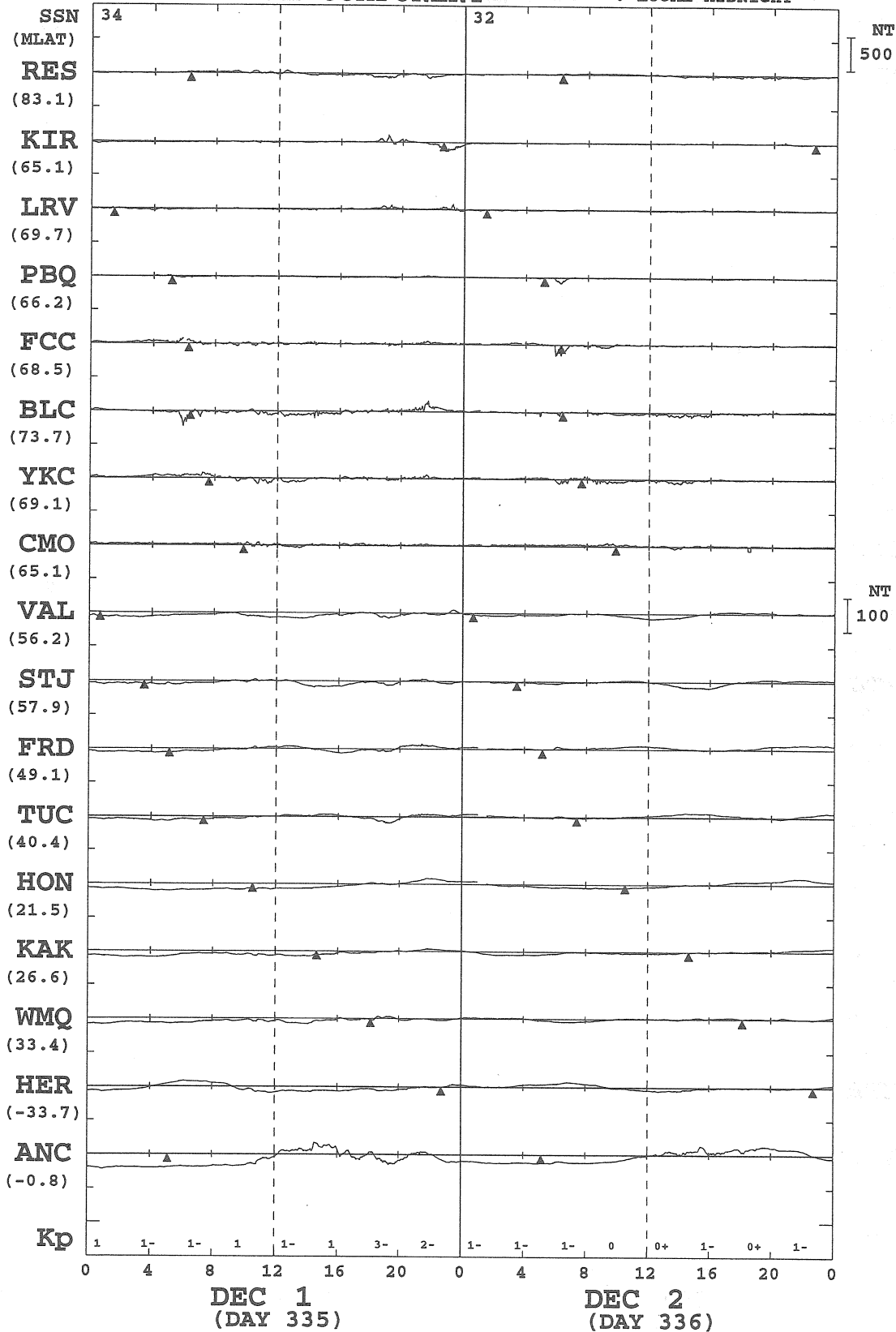
NOV 29
(DAY 333)

NOV 30
(DAY 334)

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

KYOTO UNIV.

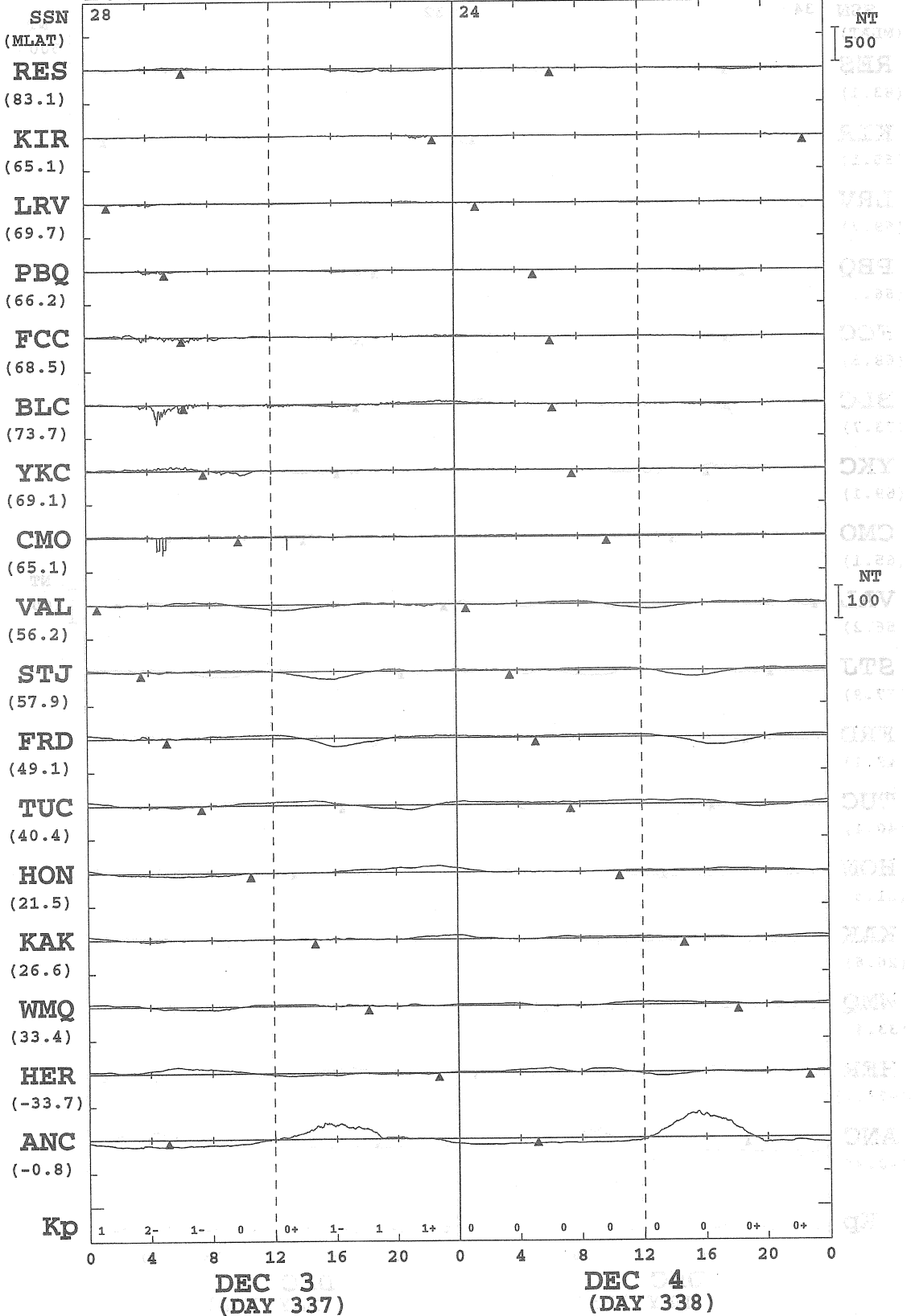
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

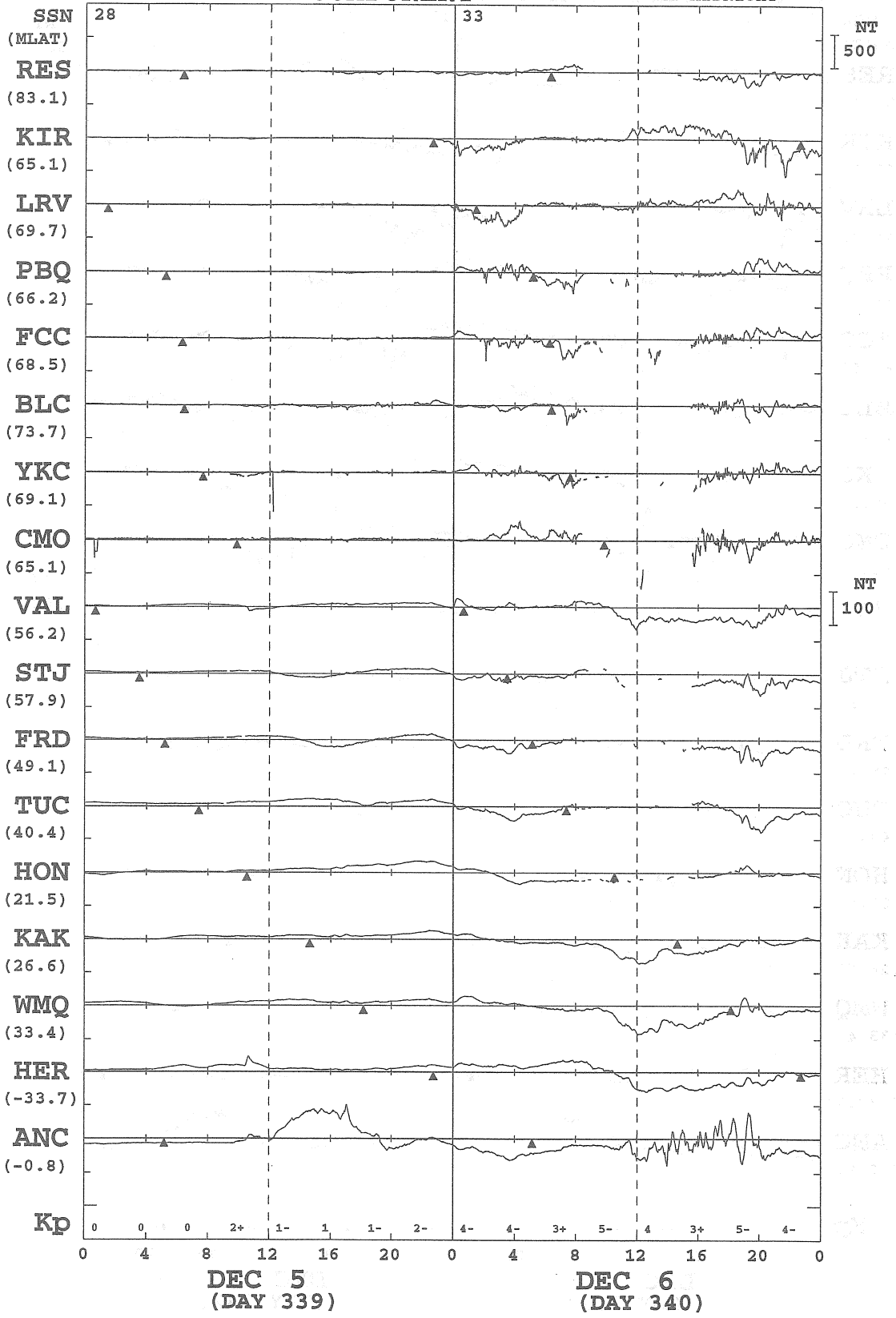
KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

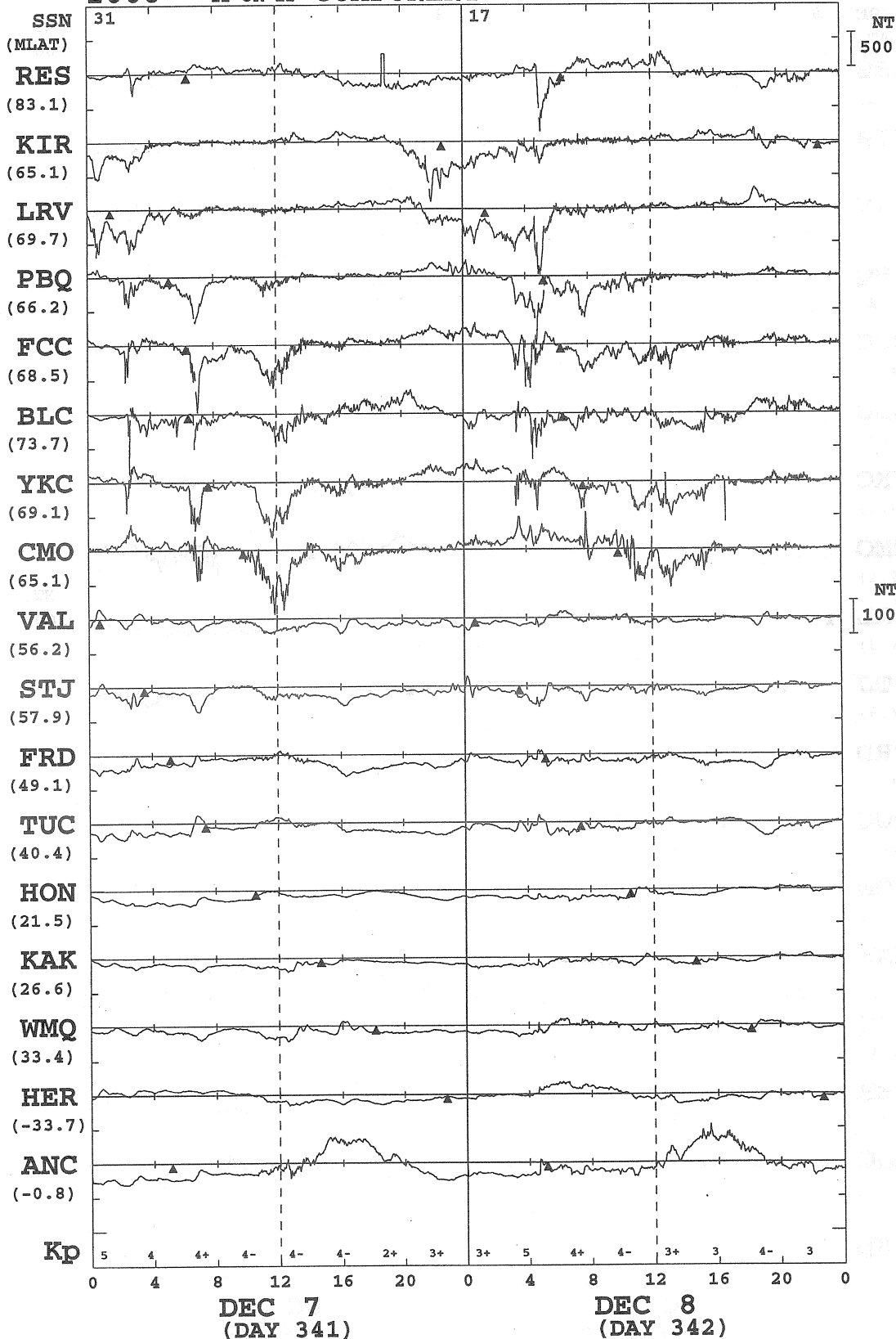


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

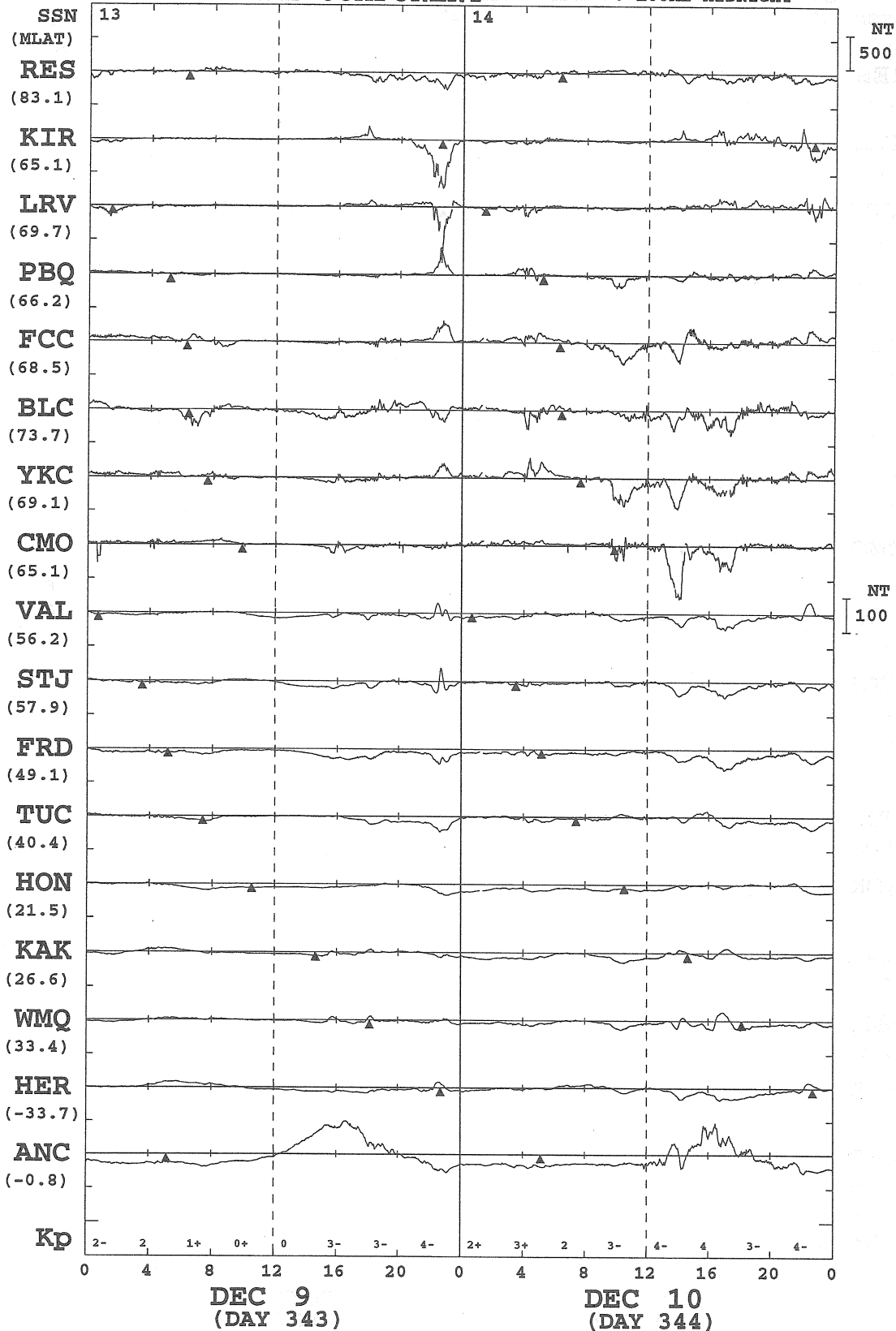
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

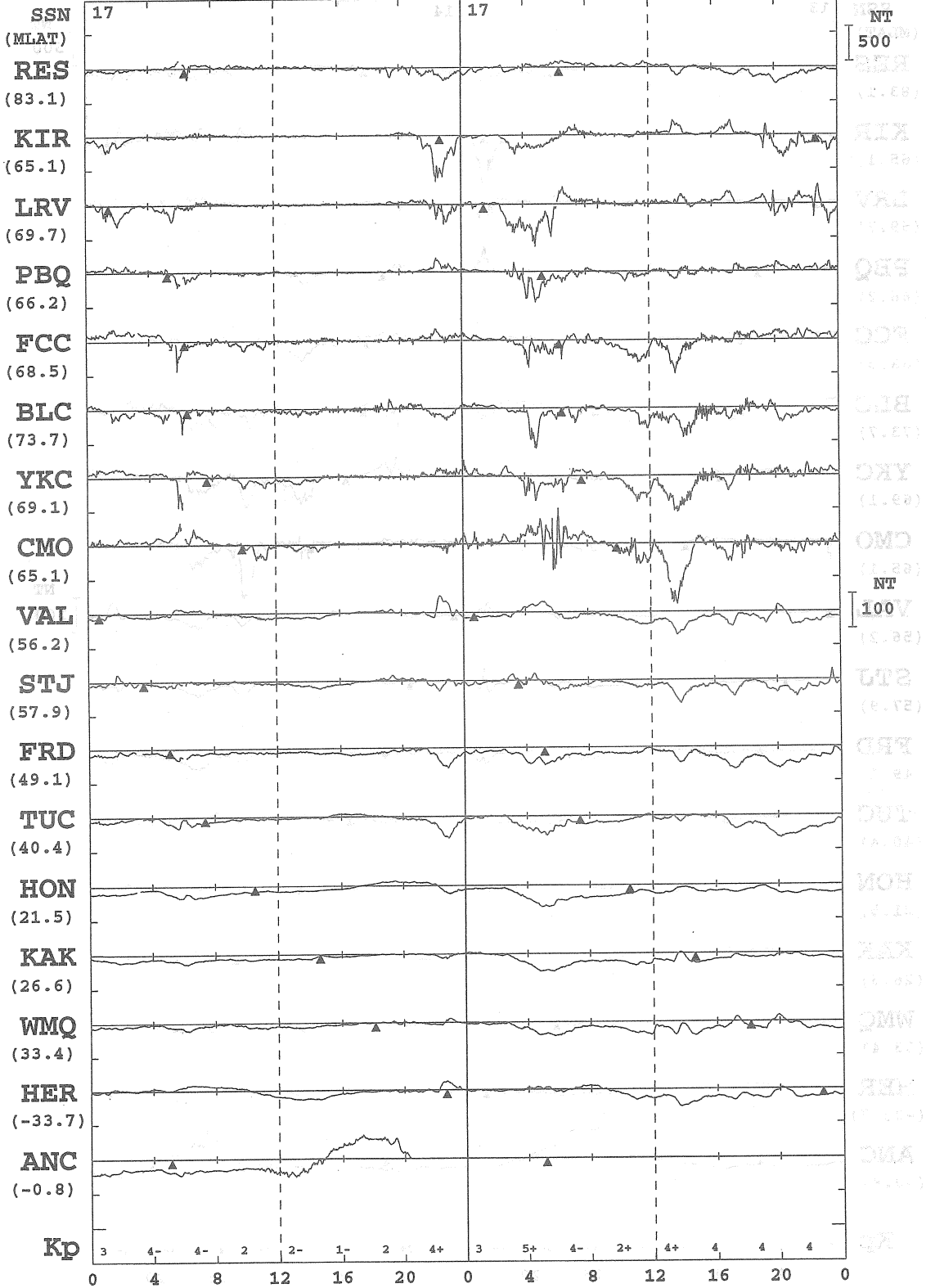
2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT



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

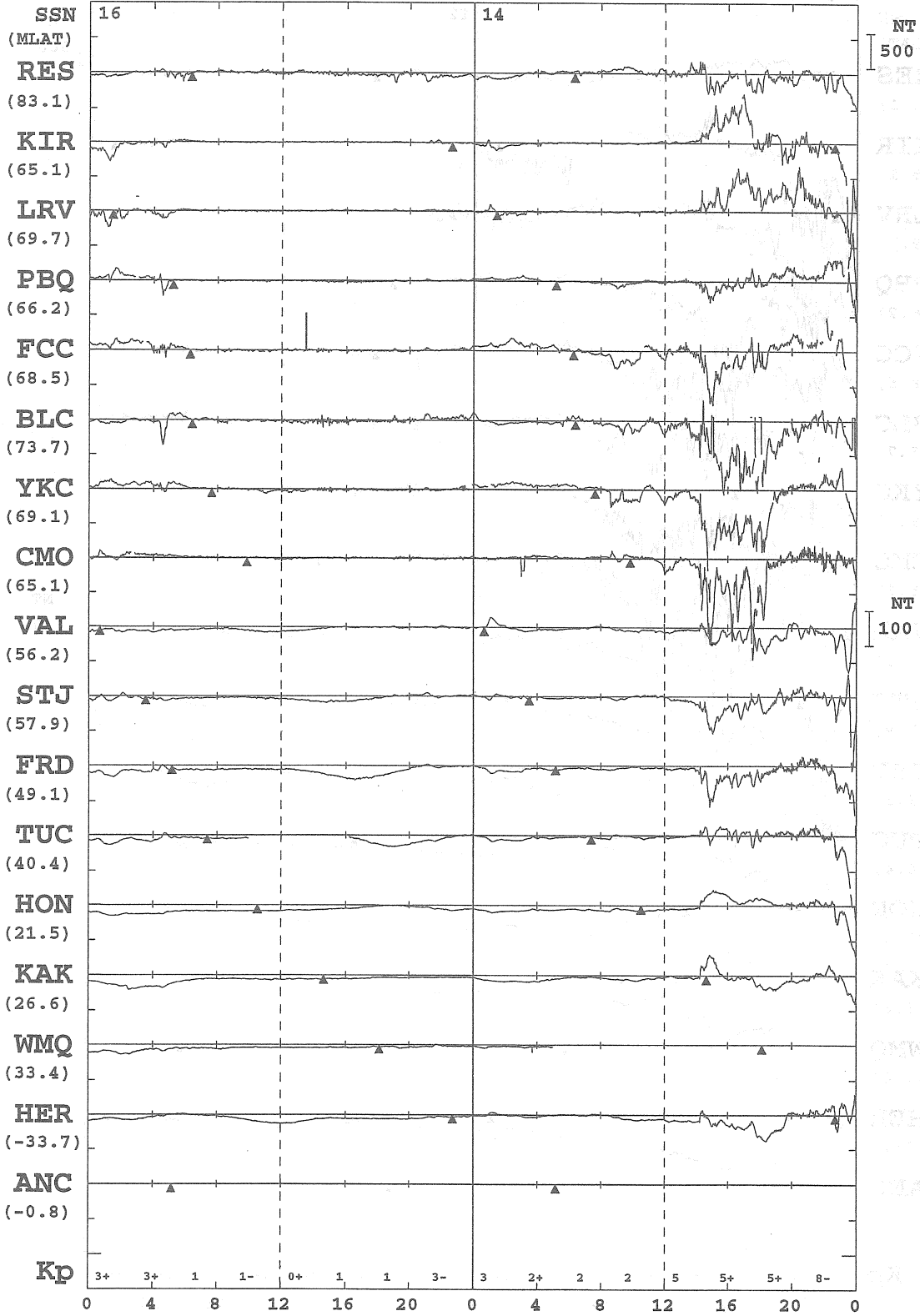
KYOTO UNIV.

2006 H OR X-COMPONENT ▲: LOCAL MIDNIGHT



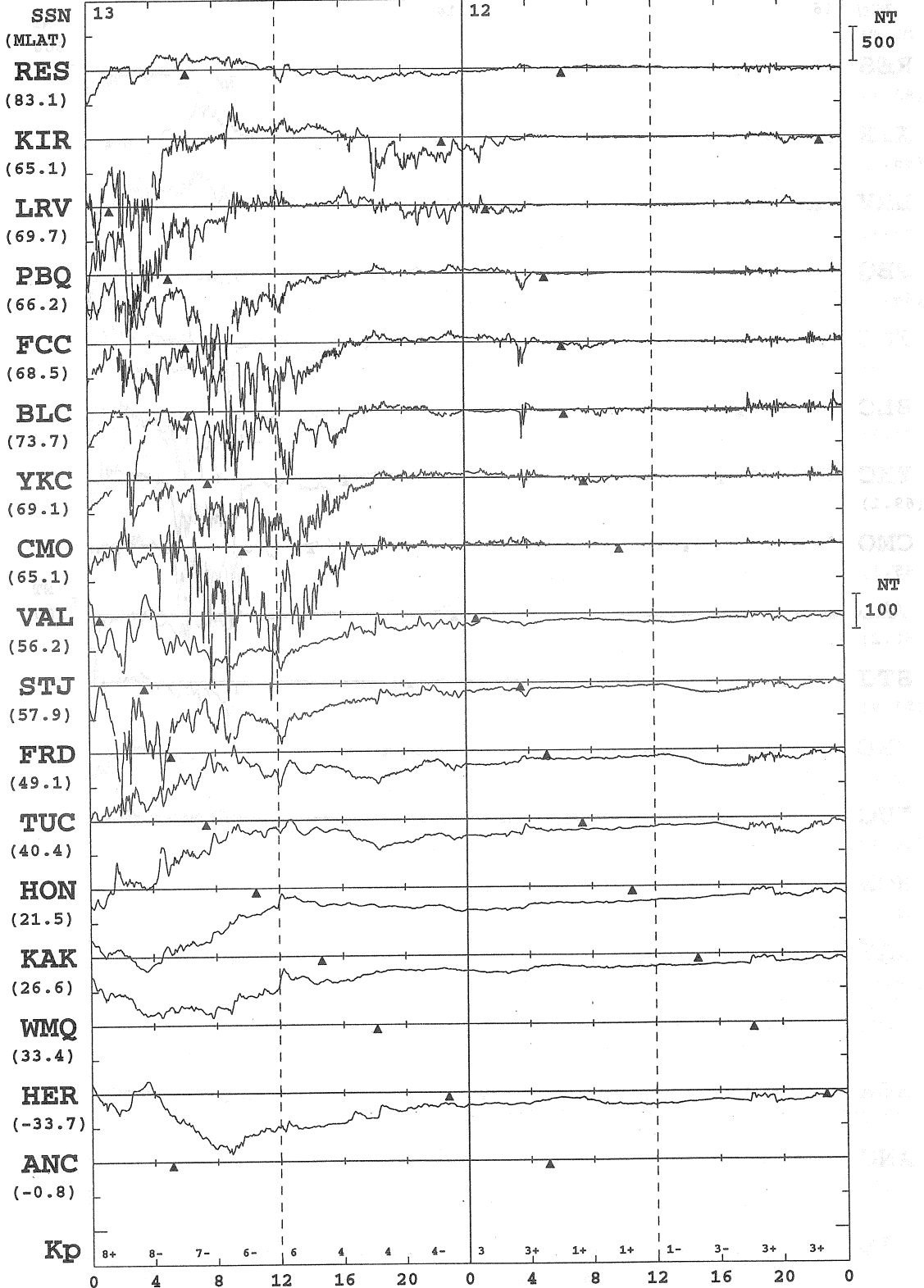
* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

2006 H OR X-COMPONENT Δ : LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT LOCAL MIDNIGHT



DEC 15
(DAY 349)

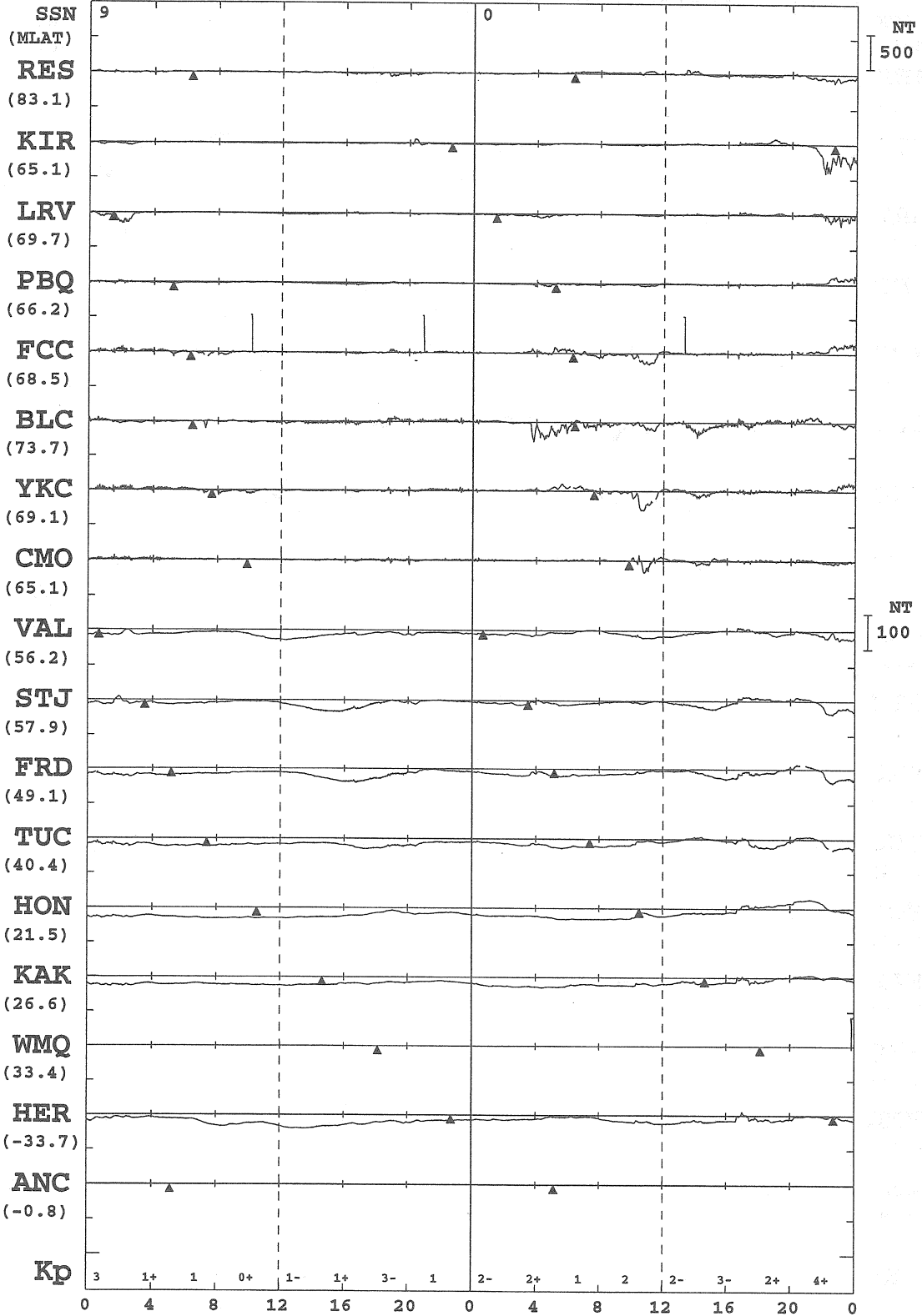
DEC 16
(DAY 350)

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

KYOTO UNIV.

2006 H OR X-COMPONENT

▲ : LOCAL MIDNIGHT



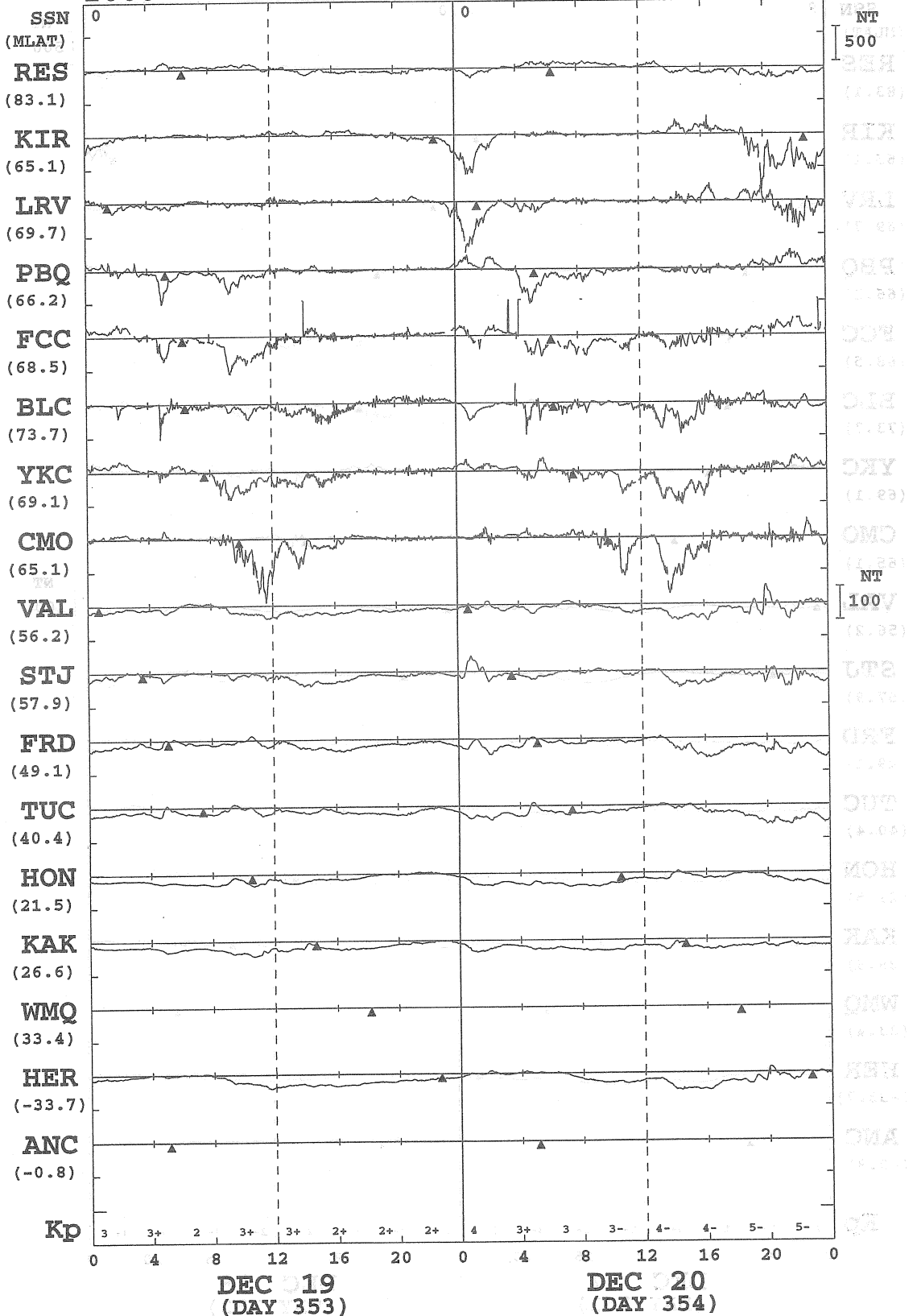
DEC 17
(DAY 351)

DEC 18
(DAY 352)

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

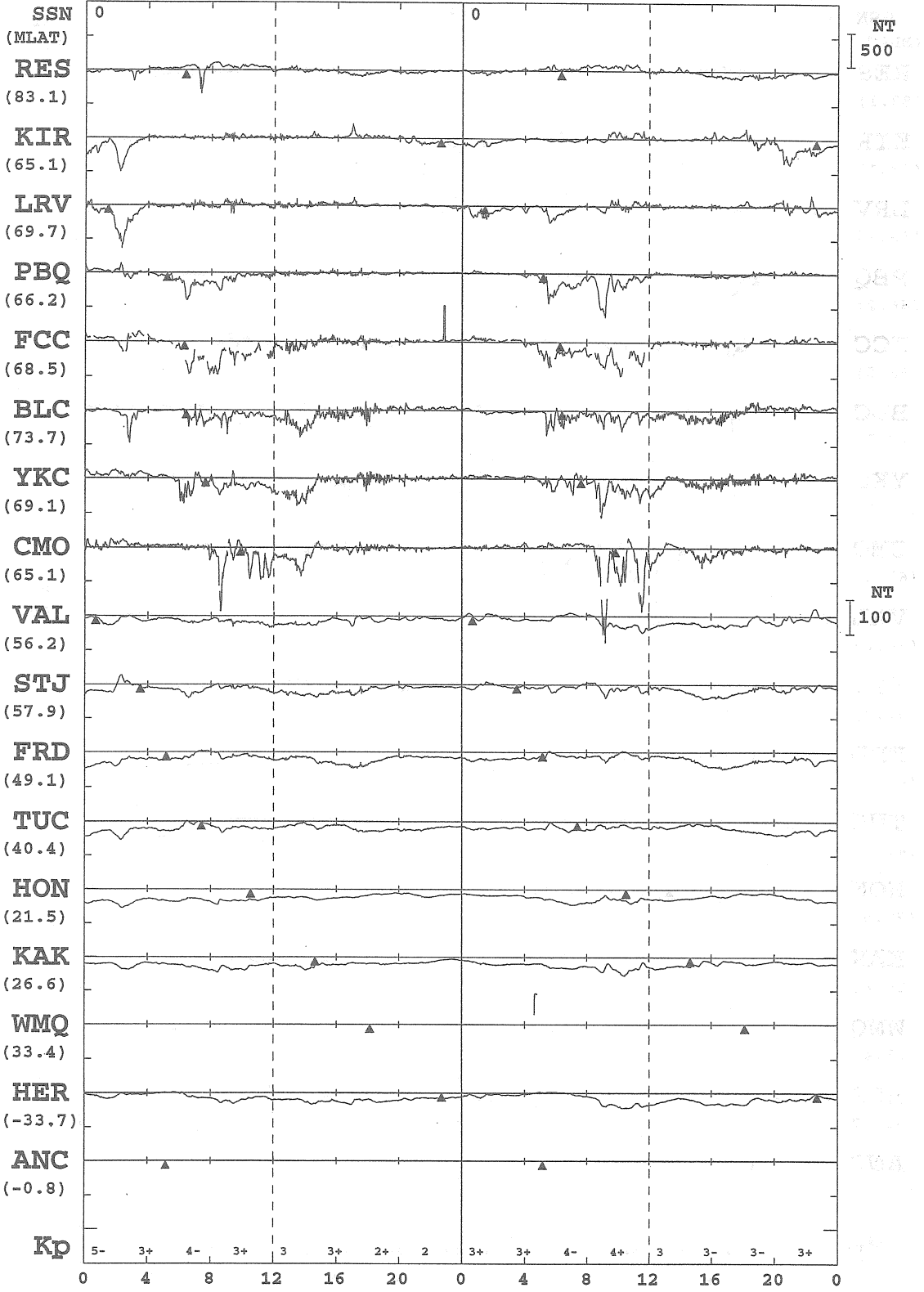
KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT



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

2006 H OR X-COMPONENT ▲ : LOCAL MIDNIGHT

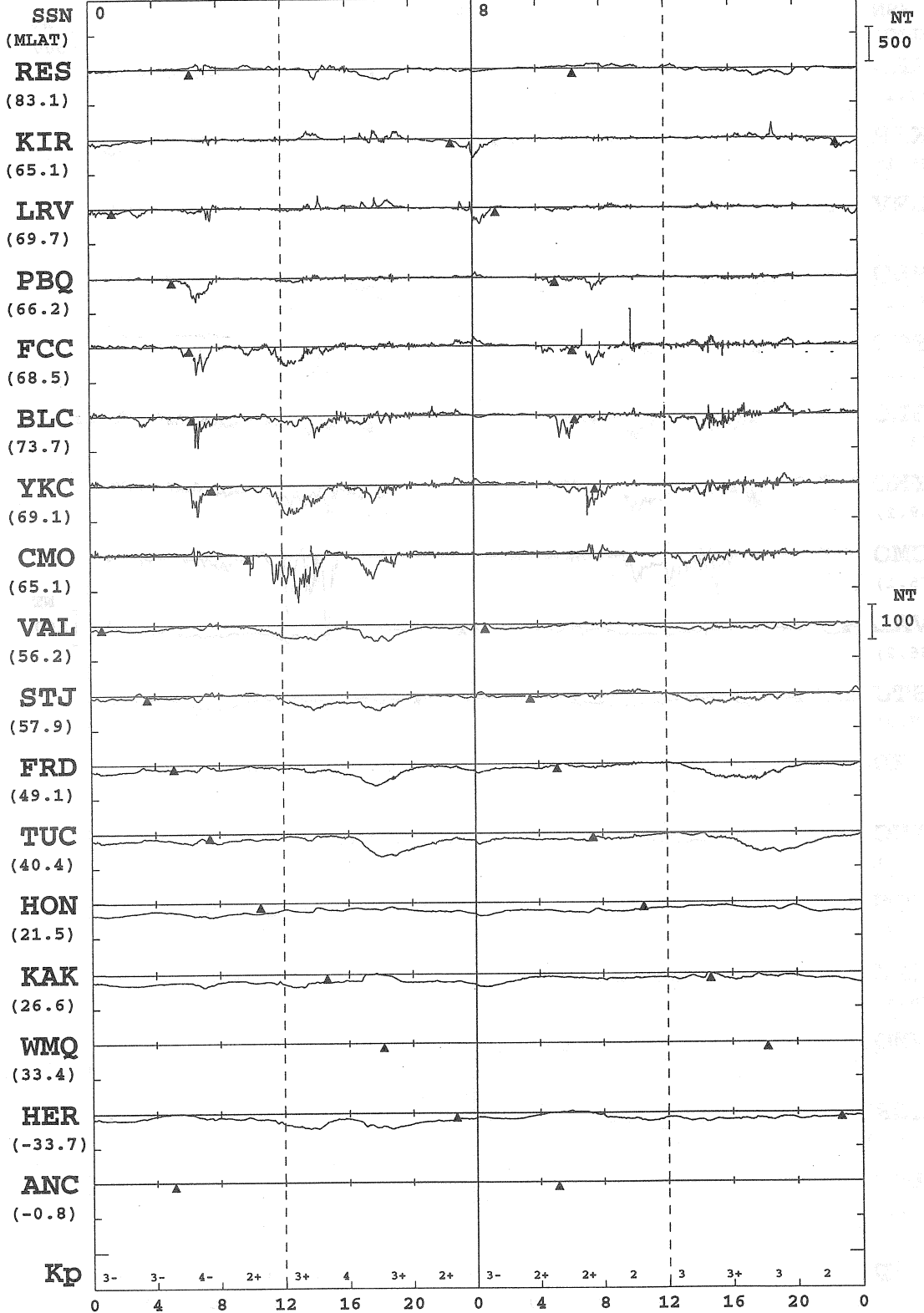


DEC 21 (DAY 355) DEC 22 (DAY 356)

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

KYOTO UNIV.

2006 H OR X-COMPONENT ▲: LOCAL MIDNIGHT

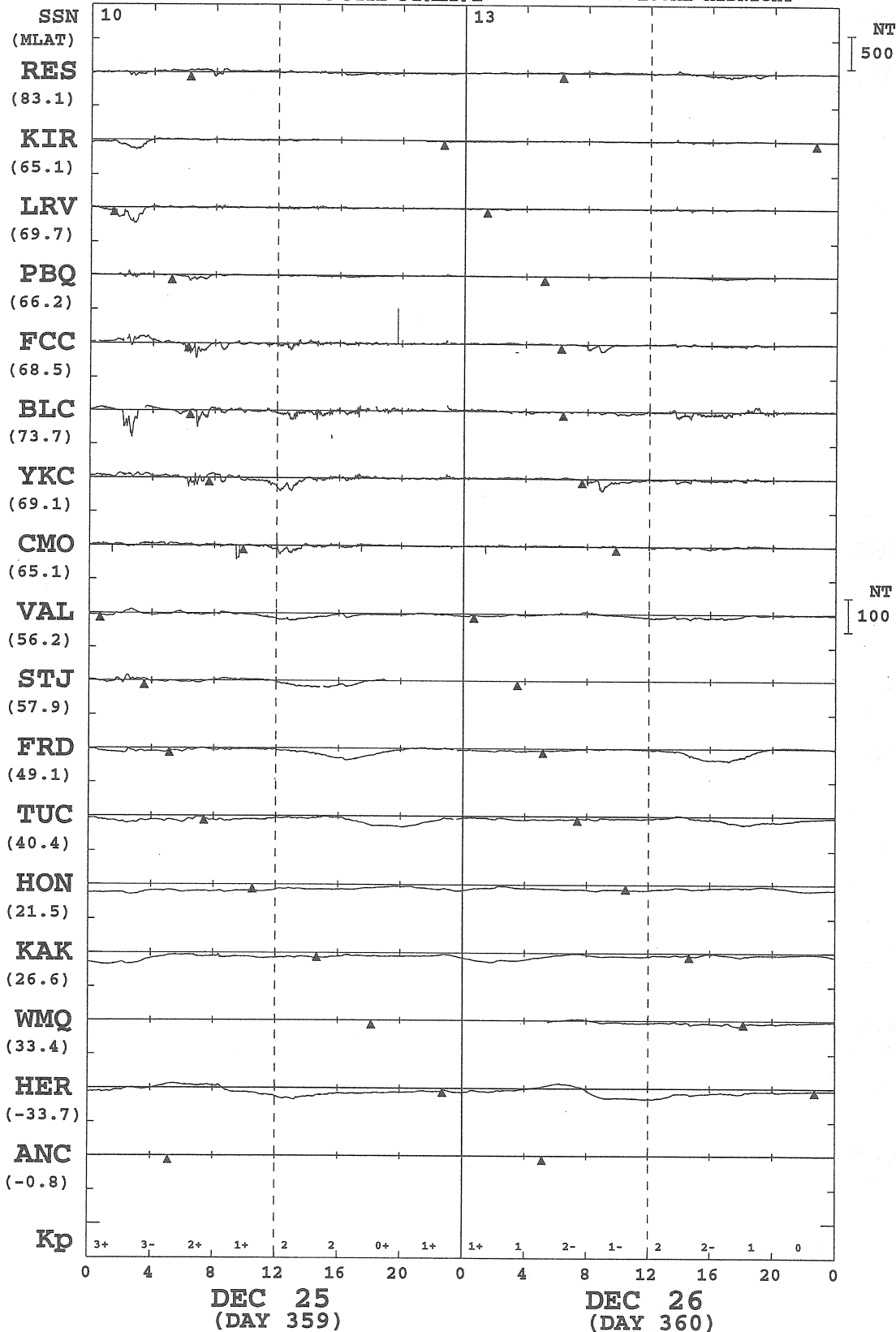


* MONTHLY MEAN OF 5-QUIET DAYS IS SUBTRACTED
 * PROMPT DATA ARE INCLUDED
 * ARTIFICIAL NOISE HAS NOT BEEN ELIMINATED

KYOTO UNIV.

2006 H OR X-COMPONENT

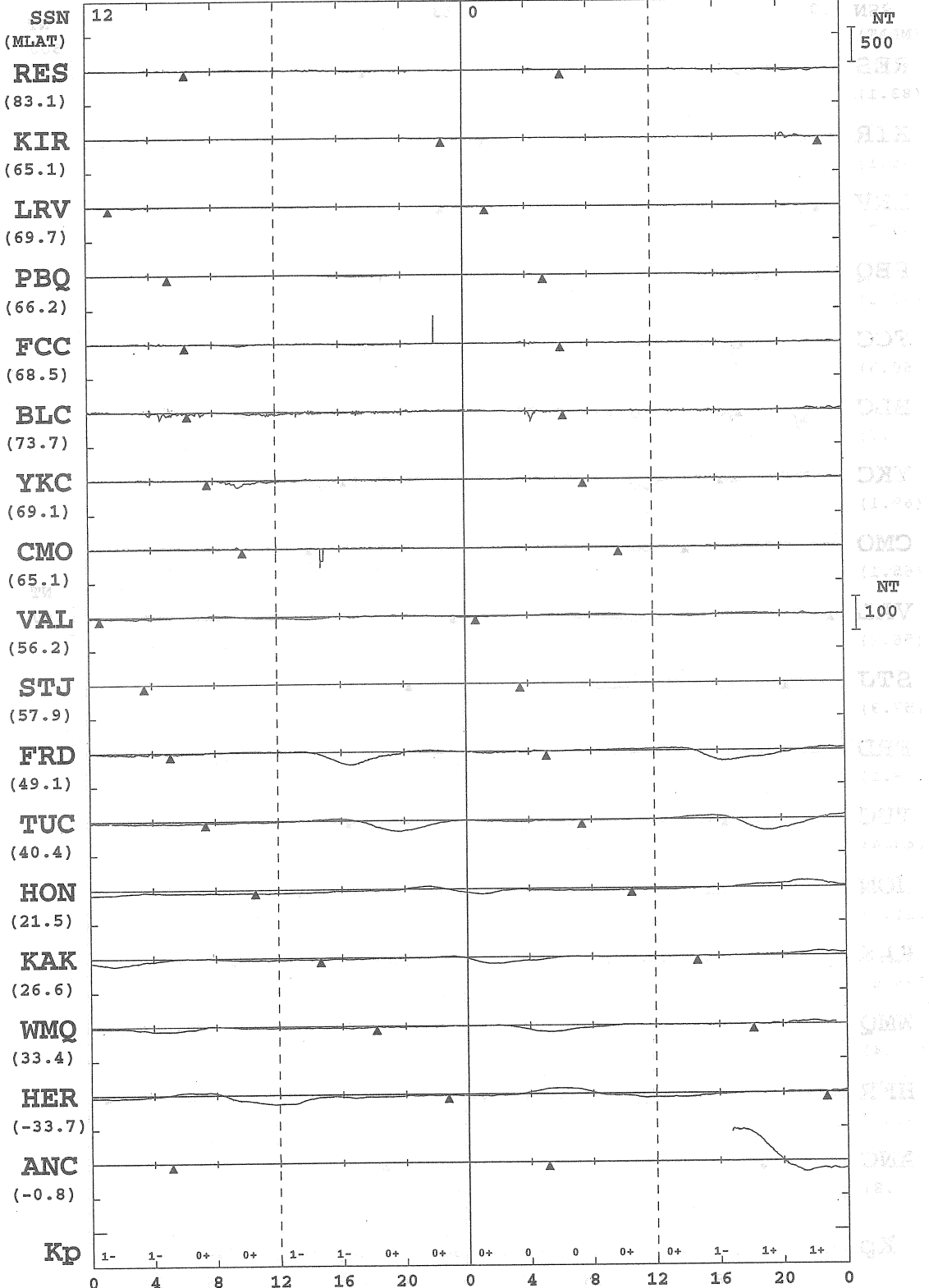
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT



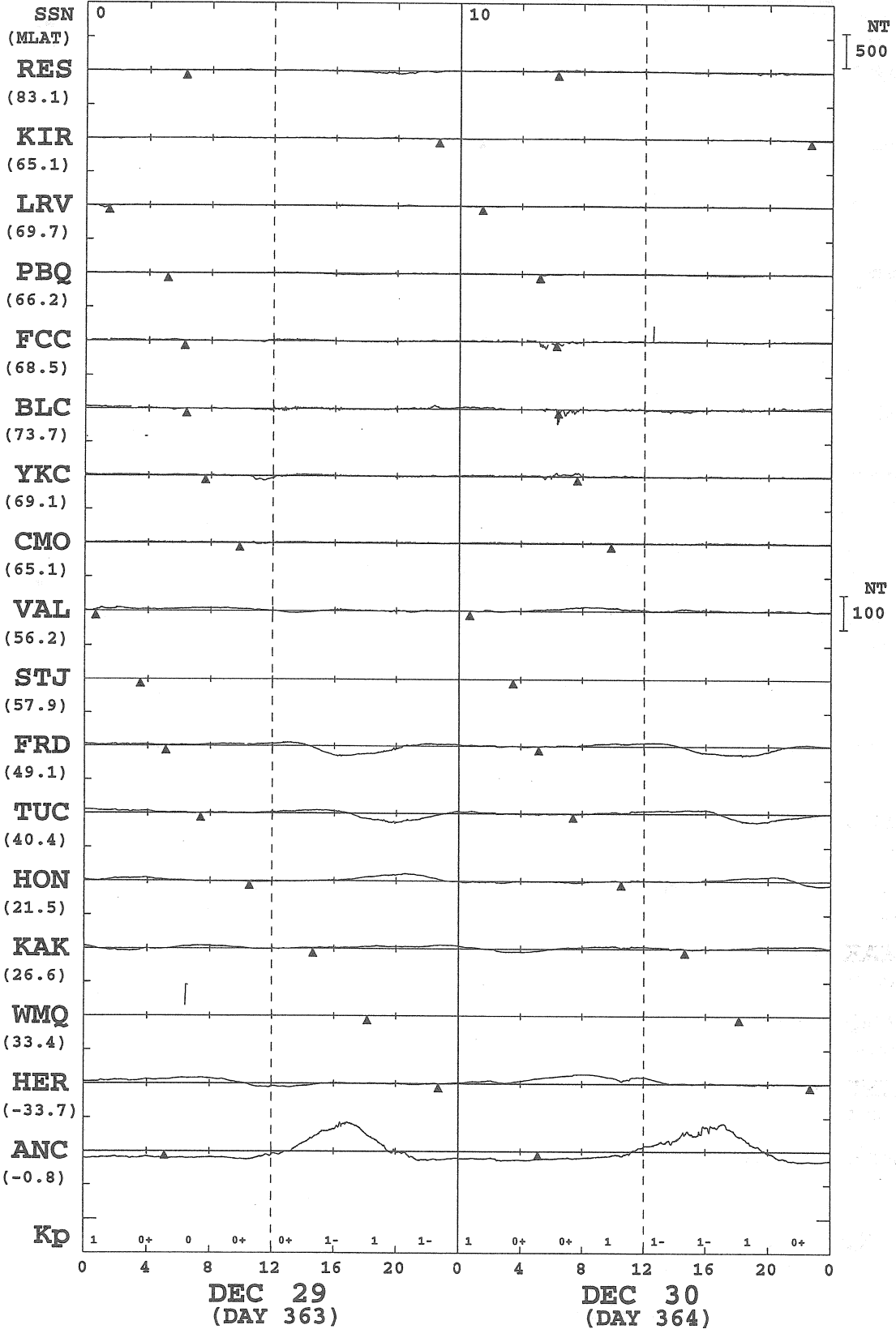
DEC 27
(DAY 361)

DEC 28
(DAY 362)

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

2006 H OR X-COMPONENT

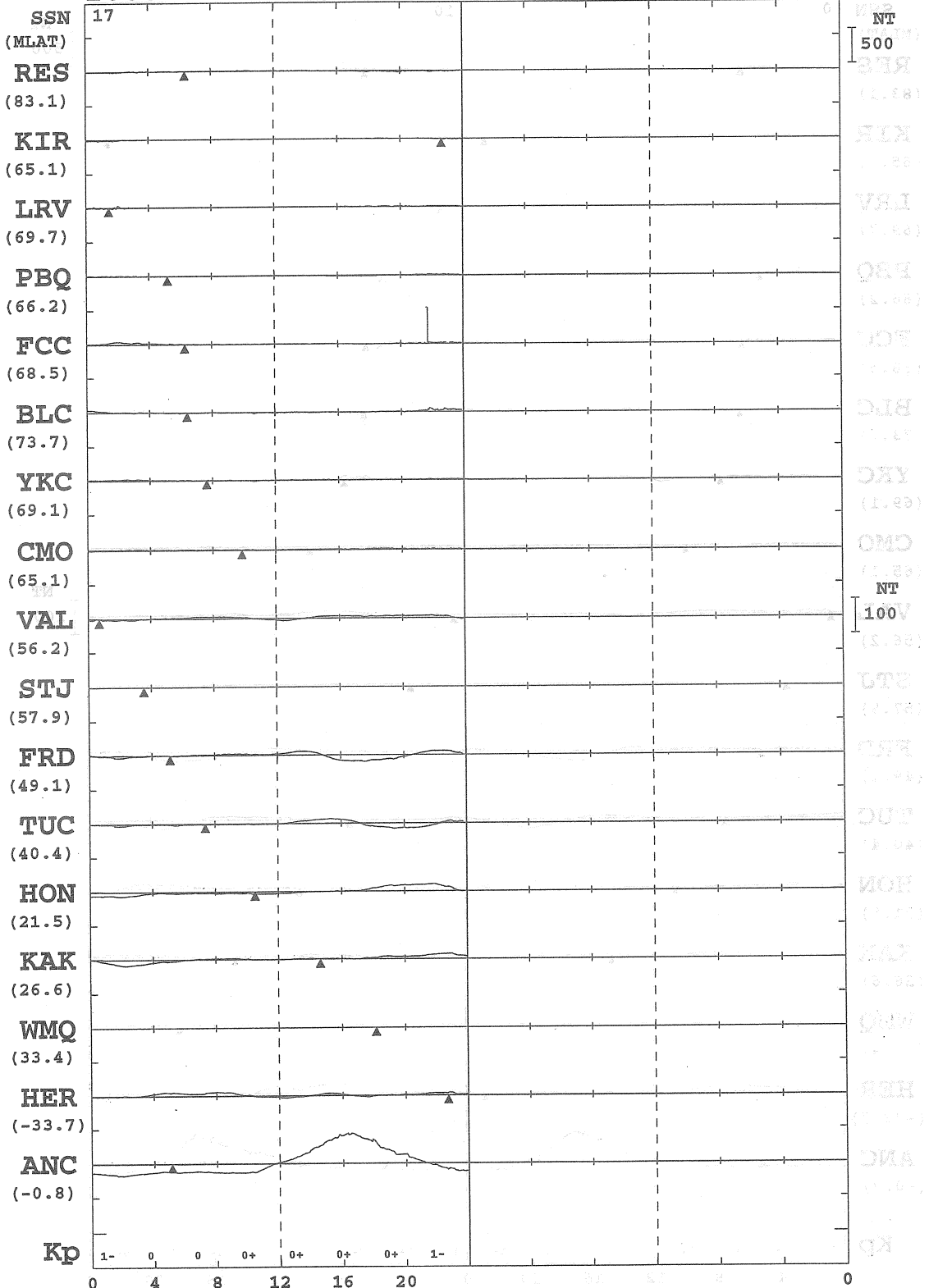
▲ : LOCAL MIDNIGHT



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

KYOTO UNIV.

2006 H OR X-COMPONENT LOCAL MIDNIGHT



DEC 31
(DAY 365)

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

KYOTO UNIV.

