

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°98 - 01 - Janvier 1998  
 ISGI Publications Office Monthly Bulletin n°98 - 01 - January 1998

CONTENTS		
Rapid Variations	- provisional determination of ssc and sfe	January 1998
Classification of days	- five international quietest days and most disturbed days	January 1998
aa	- hemispheric N, S, daily values and planetary half day and daily values	January 1998
	- musical diagram of aa (latest values)	Jan.1998 up to March 15 th 1998
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	January 1998
	- corrected values	year 1998
am, Km	- three hour indices values musical diagram of Km	January 1998
Am, ΣKm	- daily values	January 1998
Ap, ΣKp	- daily values	January 1998
Dst	- monthly tables of hourly indices	January 1998
Musical diagram of Km	- annual graph	January to december 1997
Musical diagram of aa	- annual graph	January to december 1997

Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

Ce Bulletin est adressé gracieusement aux Scientifiques intéressés, grâce à une dotation du FAGS et au soutien du laboratoire d'accueil, le CETP, et des organismes français de Recherche Scientifique (CNRS, INSU, BCMT).

Nous remercions aussi tout particulièrement les collaborateurs du Bulletin (cités ci-dessous) qui nous fournissent les données à diffuser dans des délais aussi brefs que possible.

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*Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

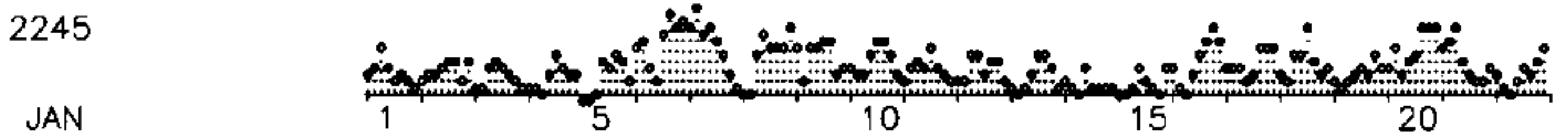
PRELIMINARY REPORT ON RAPID VARIATIONS		JANUARY 1998	
	<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>
06 14 16	A: DOB NUR* WNG* HRB NAG* BJI SPT PEN TEN HER B: SOD* DOU BDV* GCK MMB EBR* KAK HTY KNY C: NGK CLF -: CNB	15 0933-0941	BDV+
08 08 31	B: WNG HRB NAG TEN C: NGK BDV GCK* Si: PEN	16 2001-2018	NAG
24 05 29	A: NAG BJI B: HRB TEN C: WNG NGK BDV* GCK EBR PEN QUE		
31 18 42	C: BDV GCK* EBR QUE Si: PEN		
REPORTING OBSERVATORIES (up to th 3rd of March 1998) :			
SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR BJI SPT PEN KAK HTY KNY QUE TEN HER CNB			

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
January 1998	15	28	26	4	23	7	30*	6*	20*	31*

JANUARY 1998						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am ΣKm		Ap ΣKp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	7	12	12	8	10	CC	8 1+	11 2-	22 3-	13 2-	6 1o	10 1+	7 1o	5 1-	10	11+	4	8-
2	11	10	8	13	11	CC	6 1o	10 1+	8 1+	11 2-	15 2o	14 2o	6 1o	14 2o	11	12+	5	11+
3	6	12	9	10	9	CC	4 1-	5 1-	13 2-	16 2o	13 2-	8 1+	7 1o	4 1-	9	10-	3	6+
4	6	11	5	12	9	CC*	4 1-	4 1-	2 0+	8 1+	17 2+	11 2-	9 1+	8 1+	8	10-	2	5o
5	7	11	5	13	9	CK	1 0o	0 0o	2 0+	14 2o	12 2-	18 2+	14 2o	6 1o	8	9+	3	6-
6	46	46	21	71	46		24 3-	31 3o	11 2-	6 1o	36 3+	69 4+	48 4-	52 4o	34	24-	18	23+
7	45	32	60	18	39		49 4-	75 5-	37 3+	48 4-	32 3o	20 2+	10 1+	4 1-	34	23-	28	24+
8	18	31	17	32	24		3 0+	3 0+	20 2+	36 3+	21 3-	22 3-	24 3-	49 4-	22	18o	8	15-
9	17	22	18	21	20		21 3-	7 1o	21 3-	24 3-	31 3o	29 3o	9 1+	13 2-	19	18o	9	16+
10	16	22	12	26	19		11 2-	10 1+	9 1+	18 2+	32 3o	27 3o	19 2+	10 1+	17	16+	7	14-
11	12	12	11	13	12	C	7 1o	11 2-	16 2o	12 2-	24 3-	12 2-	10 1+	7 1o	12	13o	6	12+
12	7	13	12	9	10	CC	6 1o	7 1o	17 2+	17 2+	8 1+	15 2o	14 2o	7 1o	11	13o	4	9-
13	8	11	5	14	10	CC	4 1-	2 0+	4 1-	8 1+	20 2+	17 2+	11 2-	5 1-	9	10o	4	7+
14	6	5	7	5	8	CC	7 1o	5 1-	3 0+	11 2-	4 1-	4 1-	5 1-	5 1-	6	6+	3	6o
15	6	5	4	7	6	CC*	3 0+	2 0+	5 1-	11 2-	7 1o	5 1-	2 0+	12 2-	6	7-	2	4-
16	26	16	10	33	21		11 2-	5 1-	3 0+	8 1+	20 2+	29 3o	41 4-	27 3o	18	16o	9	15o
17	19	12	8	23	18		13 2-	11 2-	11 2-	6 1o	9 1+	21 3-	25 3-	21 3-	15	15+	7	14o
18	13	19	12	20	16		8 1+	6 1o	20 2+	19 2+	46 4-	14 2o	9 1+	11 2-	17	16-	8	14o
19	8	10	6	12	9	CK	7 1o	4 1-	6 1o	8 1+	11 2-	9 1+	17 2+	12 2-	9	11o	4	7+
20	37	27	18	48	32		13 2-	25 3-	9 1+	15 2o	18 2+	48 4-	46 4-	45 4-	27	21o	15	21o
21	11	28	30	10	20		22 3-	31 3o	41 4-	15 2o	8 1+	6 1o	7 1o	11 2-	18	16+	8	13o
22	9	14	7	17	12	KC	9 1+	4 1-	3 0+	7 1o	11 2-	10 1+	15 2o	25 3-	11	11o	4	8-
23	8	10	8	7	8	CK*	8 1o	7 1o	7 1o	12 2-	9 1+	3 0+	2 0+	10 1+	7	8o	4	7-
24	14	18	17	14	16		4 1-	22 3-	20 2+	16 2o	13 2-	8 1+	17 2+	19 2+	15	15+	6	13-
25	24	24	16	32	24		16 2o	35 3+	11 2-	7 1o	14 2o	44 4-	29 3o	8 1+	21	18o	11	17o
26	6	10	8	9	8	C*	4 1-	4 1-	10 1+	10 1+	12 2-	8 1+	8 1+	5 1-	8	9o	3	6-
27	12	18	17	12	15	C	8 1+	16 2o	26 3-	27 3o	17 2+	14 2o	14 2o	6 1o	16	16+	7	14+
28	5	6	2	9	6	CC*	3 0+	3 0+	2 0+	3 0+	5 1-	16 2o	8 1+	13 2-	7	7o	2	4o
29	17	22	13	26	20		8 1+	13 2-	15 2o	11 2-	25 3-	27 3o	9 1+	33 3o	18	17-	8	15+
30	32	39	36	35	36		34 3+	37 3+	34 3+	43 4-	55 4o	36 3+	14 2o	12 2-	33	25-	19	26o
31	20	32	10	43	27		16 2o	12 2-	10 1+	7 1o	10 1+	34 3+	73 5-	46 4-	26	19o	12	18o

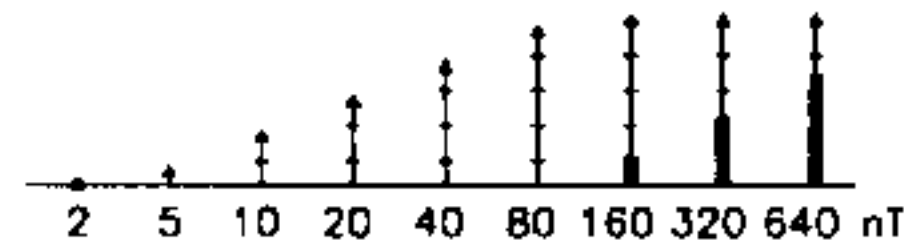
ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) JAN 1998

No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 1998

No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



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## Dst monthly table of hourly indices - January 1998

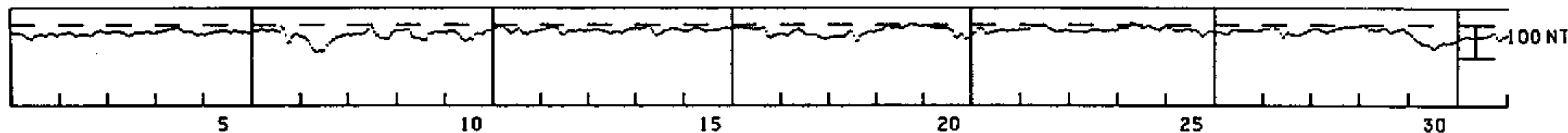
WDC-C2 FOR GEOMAGNETISM, KYOTO UNIVERSITY

### HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

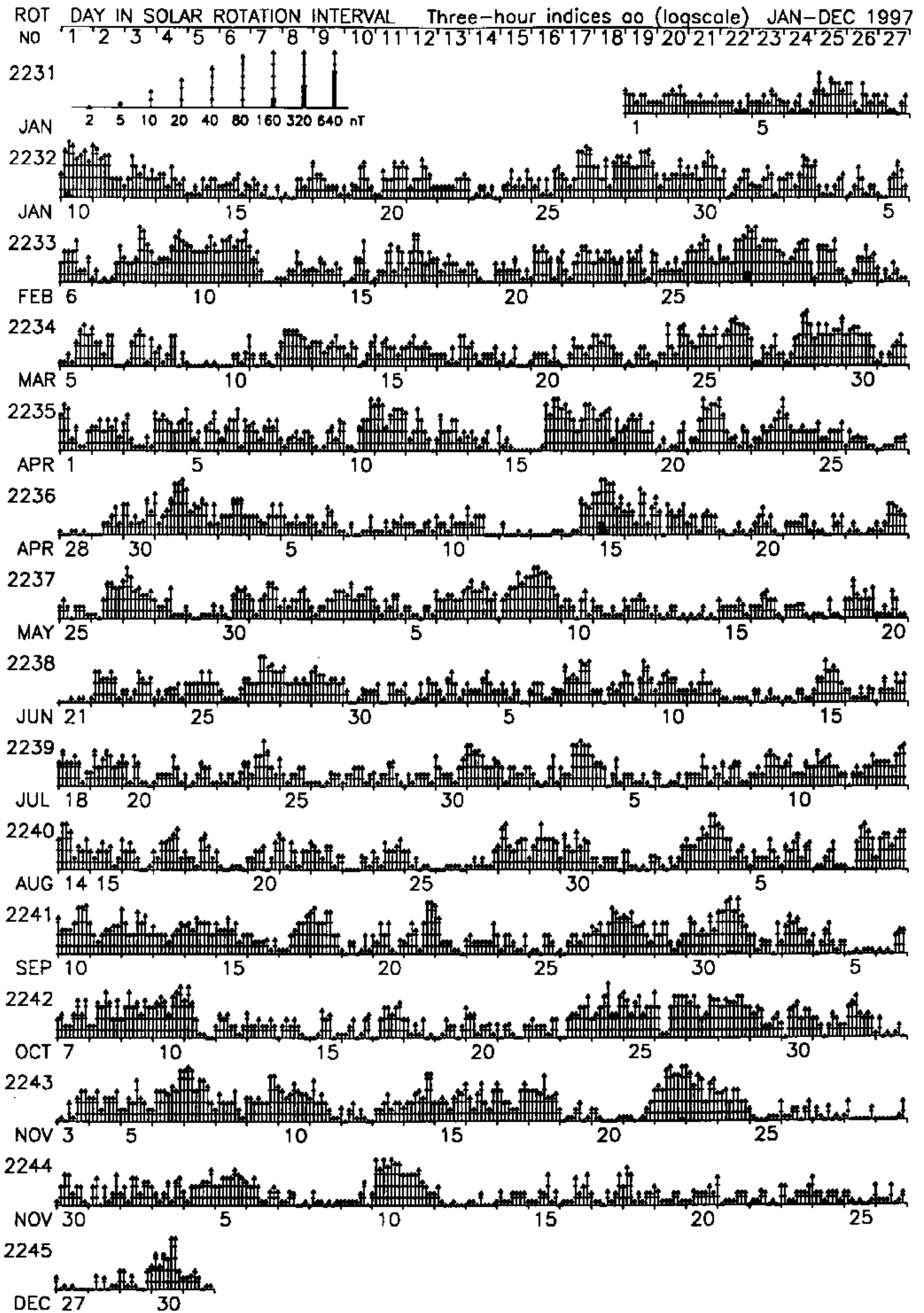
JANUARY 1998

DAY	UNIT-NT																						U.T.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	-27	-26	-26	-25	-28	-29	-32	-39	-41	-42	-42	-34	-32	-30	-29	-31	-34	-32	-27	-26	-27	-29	-32	-29
2	-27	-25	-27	-25	-22	-22	-27	-32	-32	-31	-30	-30	-30	-30	-30	-32	-31	-24	-21	-19	-18	-20	-26	-24
3	-24	-22	-21	-20	-20	-21	-22	-24	-27	-31	-33	-31	-29	-24	-22	-24	-26	-24	-22	-20	-21	-25	-25	-26
4	-22	-21	-20	-19	-17	-16	-14	-12	-11	-10	-9	-11	-16	-21	-22	-21	-21	-20	-24	-28	-30	-30	-28	-29
5	-30	-28	-26	-26	-24	-21	-20	-20	-19	-18	-19	-20	-22	-25	-19	-18	-21	-21	-23	-24	-23	-25	-24	-22
6	-17	-18	-19	-15	-13	-17	-18	-21	-18	-16	-16	-19	-21	-22	-6	-13	-30	-54	-52	-37	-30	-27	-29	-36
7	-35	-37	-43	-48	-59	-70	-79	-83	-83	-79	-83	-78	-62	-64	-55	-49	-44	-38	-38	-36	-33	-32	-30	-29
8	-32	-31	-29	-27	-28	-29	-27	-26	-20	-14	-2	-11	-22	-32	-31	-39	-41	-40	-44	-42	-34	-26	-21	-17
9	-17	-18	-17	-15	-14	-16	-26	-35	-39	-40	-41	-43	-45	-45	-42	-28	-28	-25	-22	-21	-23	-24	-22	-23
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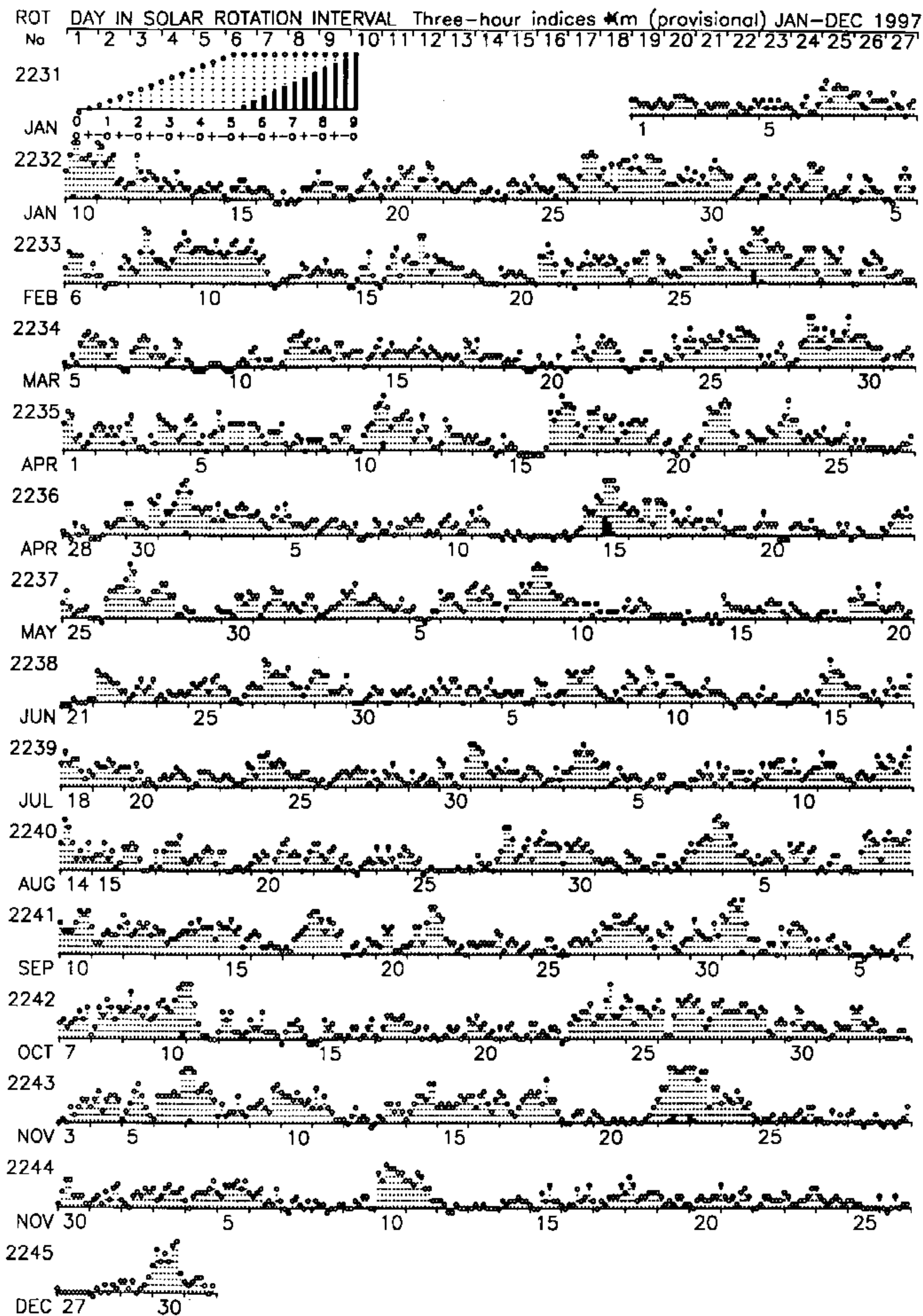
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PLANETARY GEOMAGNETIC ACTIVITY – MUSICAL DIAGRAM OF aa 1997



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PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF  $K_m$  1997