

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	December 2002
Classification of days	- five international quietest days and most disturbed days	December 2002
aa	- hemispheric N, S, daily values and planetary half day and daily values	December 2002
	- musical diagram of aa (latest values)	Dec. up to 16 Feb. 2003
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	December 2002
am, Km	- three hour indices values musical diagram of Km	December 2002
Am, ΣKm	- daily values	December 2002
Ap, ΣKp	- daily values	December 2002
	- monthly tables of hourly indices	December 2002
Musical diagram of km	- annual graph	January to December 2002
Musical diagram of aa	- annual graph	January to December 2002

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

DECEMBER 2002

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

22 10 29 B: VAL*
 C: NGK* BDV* SPT*
 22 13 02 A: COI
 B: NUR* SPT*
 C: NGK* LIV

16 1111-1130 BDV
 18 1355-1407 VAL

REPORTING OBSERVATORIES (up to 04/02/2003) :

SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY GUI GNA CNB LIV

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

December 2002

18 17 11 12 13

27 19 23 20 24

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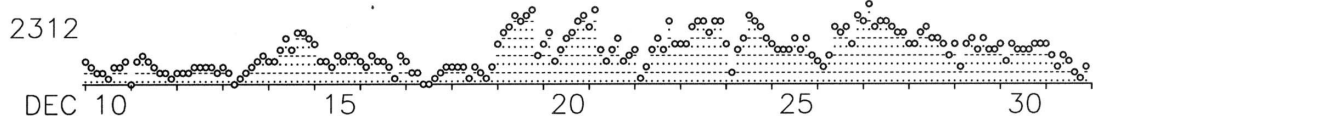
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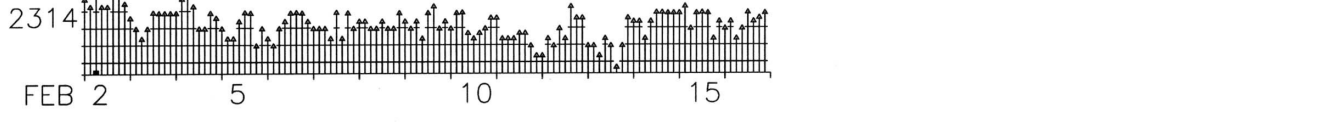
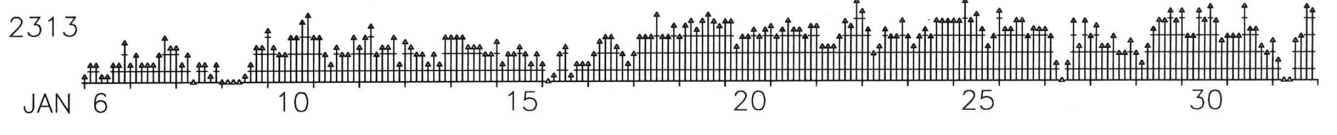
Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

DECEMBRE 2002		Geomagnetic Indices (provisional)										Daily Average and Sum						
	aa					quiet days	am an Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8				
1	36	30	35	31	33		32 3o	28 3o	20 2+	37 3+	39 3+	43 4-	23 3-	31 3o	32	24+	18	26+
2	30	28	26	33	29		18 2+	18 2+	17 2+	24 3-	18 2+	37 3+	29 3o	22 3-	23	21o	13	22o
3	19	21	20	20	20		18 2+	23 3-	13 2-	25 3-	34 3+	18 2+	23 3o	10 1+	21	19o	11	20-
4	22	21	14	29	22		9 1+	11 2-	19 2+	18 2+	28 3o	38 3+	29 3o	19 2+	21	19+	12	21-
5	17	18	20	15	18		19 2+	15 2o	17 2+	17 2+	14 2o	20 2+	17 2+	10 1+	16	17o	9	17+
6	17	23	15	25	20		8 1+	13 2-	12 2-	19 2+	14 2o	33 3o	19 2+	33 3o	19	17+	9	17+
7	36	41	40	37	39		36 3+	26 3-	43 4-	40 3+	31 3o	26 3-	39 3+	34 3+	34	25+	18	26+
8	28	23	25	26	25		13 2-	34 3+	13 2-	8 1+	23 3-	36 3+	24 3-	15 2o	21	19-	12	20+
9	12	11	12	10	11	C	18 2+	3 0+	3 0+	8 1+	11 2-	12 2-	7 1o	10 1+	9	10o	6	11-
10	10	12	11	11	11	CC	11 2-	8 1+	6 1o	7 1o	5 1-	9 1+	10 1+	13 2-	9	10o	5	10o
11	7	13	13	7	10	CC*	2 0+	12 2-	15 2o	13 2-	9 1+	6 1o	7 1o	4 1-	9	10-	4	9o
12	7	9	7	9	8	CC*	6 1o	7 1o	6 1o	8 1+	9 1+	9 1+	8 1+	6 1o	7	9+	5	10-
13	6	10	6	11	8	CC*	8 1+	7 1o	2 0+	5 1-	6 1o	8 1+	12 2-	14 2o	8	9+	4	9+
14	25	24	15	35	25		12 2-	13 2-	17 2+	30 3o	17 2+	38 3+	38 3+	32 3o	25	21-	13	22-
15	13	17	14	16	15		23 3-	11 2-	12 2-	10 1+	16 2o	13 2-	16 2o	14 2o	14	15o	8	16-
16	12	12	12	12	12	CC	11 2-	8 1+	14 2o	11 2-	12 2-	9 1+	5 1-	14 2o	11	12+	5	11o
17	5	8	7	7	7	CC*	13 2-	7 1o	6 1o	2 0+	2 0+	5 1-	7 1o	9 1+	6	7+	3	5+
18	7	13	9	11	10	C*	9 1+	10 1+	8 1+	4 1-	10 1+	6 1o	5 1-	9 1+	8	9o	3	5+
19	55	55	58	52	55		24 3-	38 3+	46 4-	66 4+	57 4o	61 4+	77 5-	16 2o	48	29o	25	30o
20	45	30	22	53	37		22 3-	36 3+	13 2-	17 2+	32 3o	34 3+	59 4o	67 4+	35	25-	21	27+
21	28	37	45	20	33		50 4-	79 5-	20 2+	11 2-	20 2+	28 3o	11 2-	15 2o	29	21+	21	24o
22	22	31	13	40	27		17 2+	5 1-	8 1+	19 2+	33 3o	18 2+	52 4o	26 3-	22	19-	10	18+
23	36	47	35	49	42		26 3-	24 3-	46 4-	54 4o	55 4o	35 3+	56 4o	53 4o	44	28+	24	30-
24	40	29	18	51	34		22 3-	7 1o	18 2+	29 3o	62 4+	52 4o	44 4-	32 3o	33	24o	20	26o
25	27	24	20	31	25		26 3-	17 2+	17 2+	17 2+	33 3o	18 2+	32 3o	16 2o	22	20o	12	21o
26	34	41	21	54	37		11 2-	8 1+	16 2o	42 4-	34 3+	41 4-	26 3-	63 4+	30	23-	15	22+
27	66	51	72	45	58		60 4o	91 5o	48 4-	60 4o	58 4o	44 4-	38 3+	38 3+	55	31o	37	35+
28	32	26	34	24	29		26 3-	25 3-	37 3+	41 4-	31 3o	30 3o	21 3-	14 2o	28	23o	19	27-
29	29	19	22	26	24		23 3-	10 1+	22 3-	29 3o	18 2+	31 3o	20 2+	20 2+	22	20-	13	22-
30	25	15	16	24	20		22 3-	11 2-	22 3-	17 2+	20 2+	20 2+	26 3-	23 3-	20	19+	11	20o
31	11	10	14	7	11	C	25 3-	14 2o	9 1+	14 2o	12 2-	6 1o	5 1-	9 1+	12	13-	7	13+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) DEC 2002
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

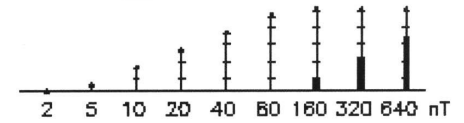
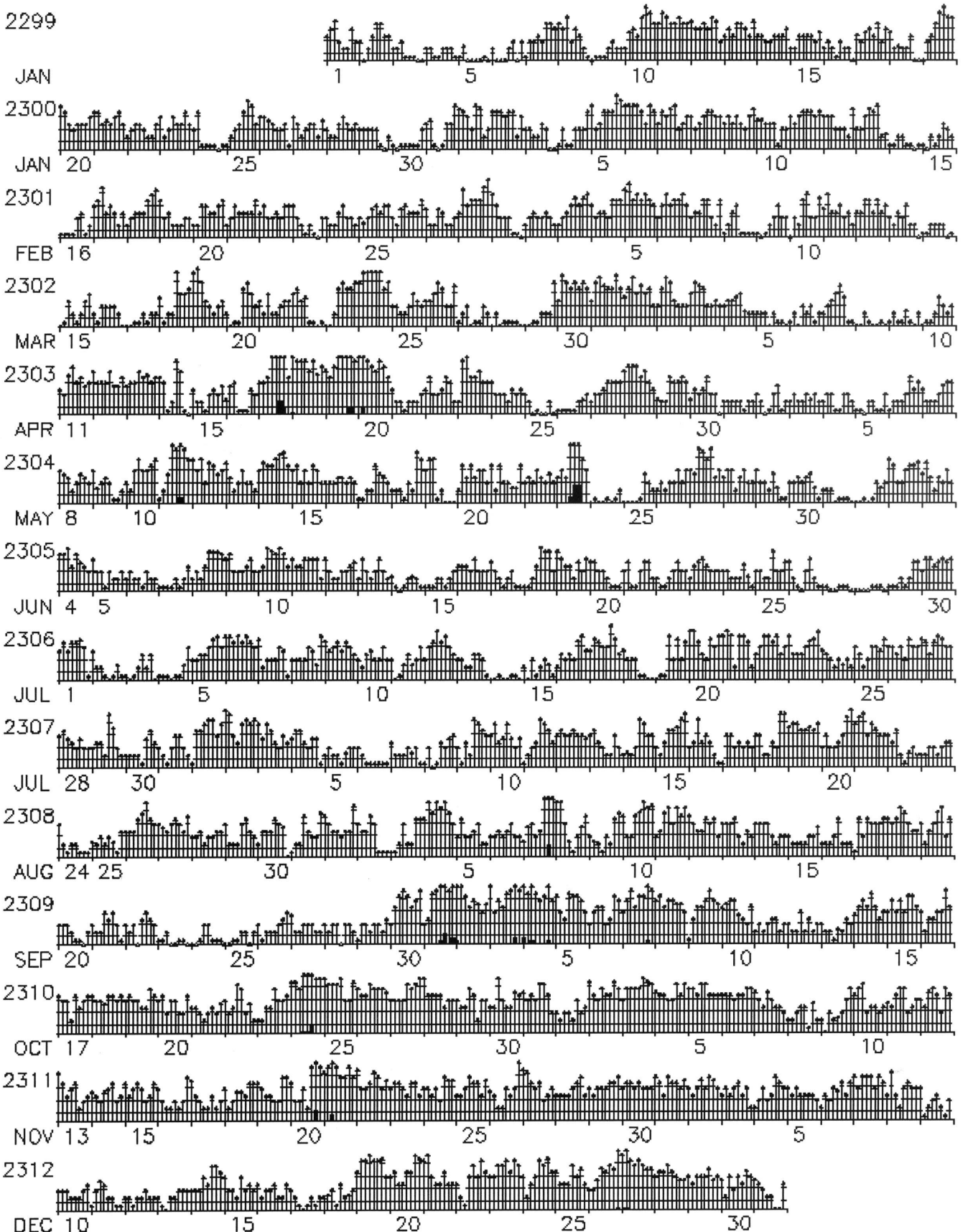


ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) DEC2002-FEB2003
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF aa 2002

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-DEC 2002
 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



PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF Km 2002

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km JAN-DEC 2002
 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'

