

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°08-04 - Aout 2004
ISGI Publications Office Monthly Bulletin n°08 - 04 - August 2004

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	August 2004
Classification of days	- five international quietest days and most disturbed days	August 2004
aa	- hemispheric N, S, daily values and planetary half day and daily values	August 2004
Quiet periods	- musical diagram of aa (latest values) - truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	Aug. up to 17 October 2004 August 2004
am, Km	- three hour indices values musical diagram of Km	August 2004
Am, ΣKm	- daily values	August 2004
Ap, ΣKp	- daily values	August 2004
	- monthly tables of hourly indices	August 2004
Dst	- monthly tables of hourly indices	May & June 2004

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.

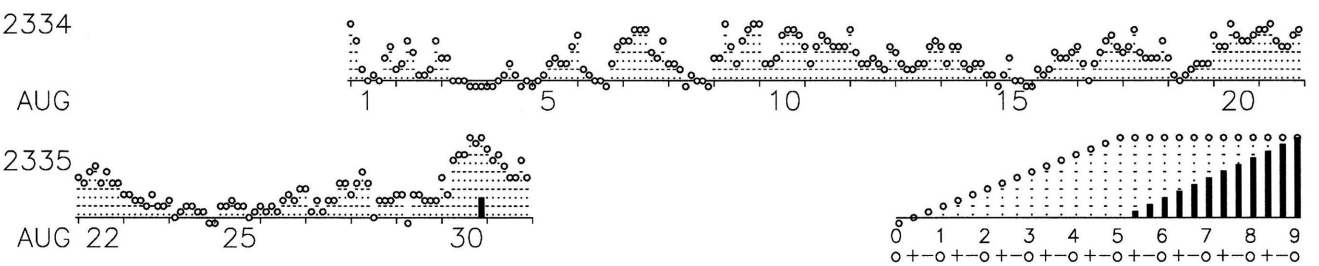
*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

PRELIMINARY REPORT ON RAPID VARIATIONS		AUGUST 2004
<p style="text-align: center;">SSC - Storm Sudden Commencements</p> <p>29 10 05 B: LER* ESK* HAD* GNA CNB C: NGK* BDV* CLF GCK HTY* GUI</p>	<p style="text-align: center;">SFE - Solar Flare Effects</p> <p>04 1228-1240 NAG 14 0540-0640 MMB+ KAK+ KNY+ 14 1127-1148 GUI 14 1340-1357 LER ESK NGK+ HAD BDV+ EBR GUI 15 1237-1254 LER ESK NGK+ HAD BDV+ EBR GUI 19 1137-1211 NGK+</p>	
<p>REPORTING OBSERVATORIES (up to 04/10/04):</p> <p>SOD LER ESK NGK VAL HAD BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI GNA CNB</p>		

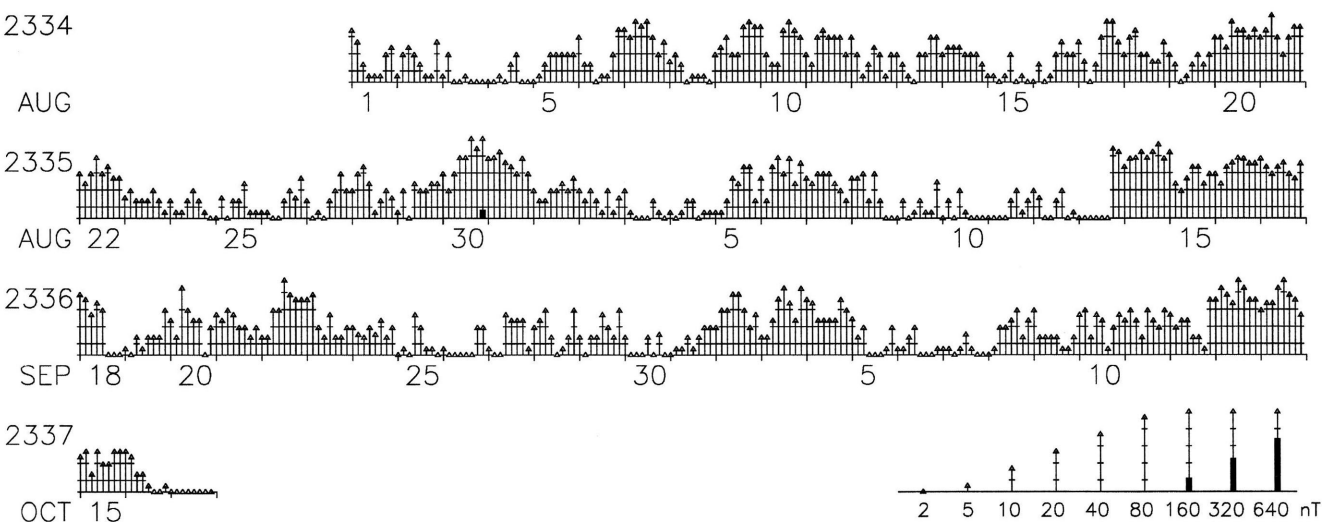
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
August 2004	4	8	24	3	25	30	31	21*	10*	20*

AUGUST 2004		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				quiet days	am and Km for each three hour interval								Daily Average and Sum				
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Km	Ap	Σ Kp
1	16	10	16	10	13	K K	47 4-	23 3-	7 1o	3 0+	5 1-	3 0+	13 2-	17 2+	15	13-	8	14o
2	13	8	11	10	10	C C	7 1o	10 1+	23 3-	16 2o	4 1-	4 1-	7 1o	26 3-	12	12o	6	12o
3	5	3	5	3	4	C C *	11 2-	11 2-	3 0+	3 0+	3 0+	0 0o	0 0o	1 0o	4	4+	3	5o
4	5	4	3	6	4	C C *	1 0o	1 0o	3 0+	5 1-	9 1+	5 1-	1 0o	2 0+	3	3+	3	5-
5	10	9	7	12	9	C C	0 0o	2 0+	4 1-	10 1+	13 2-	10 1+	10 1+	18 2+	8	9o	5	11-
6	17	7	11	14	12	K	28 3o	7 1o	5 1-	2 0+	3 0+	1 0o	8 1+	18 2+	9	9o	5	9+
7	31	29	35	26	30		25 3-	26 3-	38 3+	37 3+	37 3+	14 2o	13 2-	24 3-	27	22-	15	23o
8	8	4	8	4	6	C K *	10 1+	9 1+	6 1o	1 0o	4 1-	2 0+	3 0+	1 0o	5	5o	3	6-
9	32	17	16	33	24		11 2-	13 2-	43 4-	17 2+	9 1+	26 3-	39 3+	49 4-	26	20+	14	21o
10	30	19	16	33	25		41 4-	9 1+	10 1+	13 2-	33 3o	35 3+	34 3+	31 3o	26	21-	16	23+
11	25	15	19	21	20		18 2+	10 1+	20 2+	33 3o	22 3-	20 2+	19 2+	20 2+	20	19-	10	19+
12	14	9	12	11	12	C K	34 3+	14 2o	9 1+	8 1+	12 2-	10 1+	6 1o	17 2+	14	14+	7	15o
13	15	10	7	18	12	K C	14 2o	8 1+	7 1o	6 1o	10 1+	8 1+	18 2+	26 3-	12	13o	6	13o
14	15	11	15	11	13	C C	17 2+	10 1+	19 2+	20 2+	9 1+	7 1o	9 1+	9 1+	13	13+	7	15o
15	6	4	4	5	5	C C	4 1-	5 1-	1 0o	4 1-	12 2-	2 0+	2 0+	1 0o	4	4+	4	7-
16	12	7	4	14	9	C C	1 0o	6 1o	5 1-	6 1o	15 2o	11 2-	11 2-	15 2o	9	10o	5	10o
17	23	21	10	34	22		20 2+	8 1+	3 0+	8 1+	15 2o	25 3-	30 3o	19 2+	16	15+	10	17+
18	21	12	20	13	16		14 2o	19 2+	36 3+	15 2o	12 2-	11 2-	11 2-	22 3-	18	17+	8	17o
19	10	7	7	10	8	C	12 2-	5 1-	2 0+	5 1-	6 1o	9 1+	8 1+	10 1+	7	8+	4	9-
20	33	25	28	30	29		28 3o	18 2+	18 2+	41 4-	28 3o	26 3-	23 3-	28 3o	26	23-	15	24o
21	37	26	35	28	31		35 3+	39 3+	41 4-	22 3-	17 2+	18 2+	30 3o	36 3+	30	24o	16	24+
22	28	24	28	24	26		25 3-	18 2+	30 3o	36 3+	18 2+	27 3o	19 2+	17 2+	24	21+	12	21+
23	10	8	9	8	9	C K	13 2-	13 2-	10 1+	8 1+	6 1o	13 2-	7 1o	6 1o	10	11-	5	10-
24	7	6	7	7	7	C C *	9 1+	3 0+	5 1-	6 1o	7 1o	5 1-	5 1-	1 0o	5	6-	3	6-
25	8	6	5	9	7	C C *	1 0o	7 1o	6 1o	9 1+	7 1o	7 1o	3 0+	4 1-	6	6+	4	8o
26	11	5	4	12	8	C C	7 1o	4 1-	7 1o	4 1-	10 1+	11 2-	9 1+	16 2o	9	10-	5	9+
27	11	7	4	14	9	C K	15 2o	5 1-	10 1+	5 1-	8 1+	10 1+	19 2+	18 2+	11	12o	6	12-
28	15	15	21	9	15	K	11 2-	18 2+	29 3o	18 2+	3 0+	9 1+	10 1+	8 1+	13	14-	7	14-
29	13	10	9	14	11	C	12 2-	12 2-	1 0o	13 2-	11 2-	8 1+	10 1+	10 1+	10	11-	5	11o
30	51	64	27	88	57		22 3-	13 2-	45 4-	56 4o	57 4o	88 5o	76 5-	169 6o	66	32-	42	33+
31	38	41	47	31	39		62 4+	50 4-	60 4o	36 3+	21 3-	23 3-	42 4-	22 3-	40	27o	28	30+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) AUG 2004



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) AUG-OCT 2004



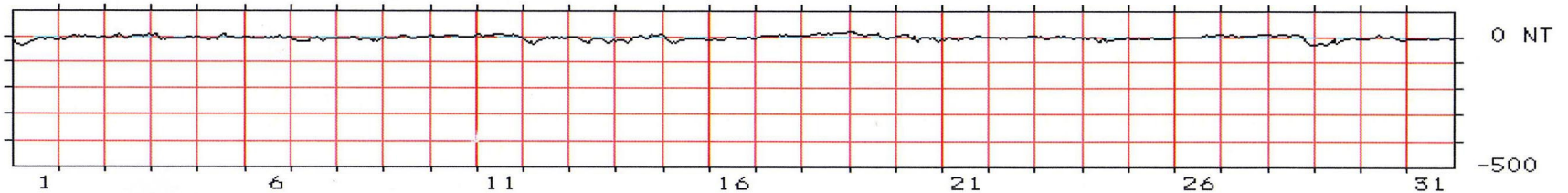
HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - Mai 2004 -

Unit=nT

DAY	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	-20	-21	-31	-31	-34	-34	-29	-29	-24	-21	-17	-14	-13	-11	-11	-9	-12	-10	-6	-6	-9	-14	-15	-15
2	-11	-14	-15	-9	-3	-1	2	2	2	-1	4	0	0	2	-2	-3	-5	-5	-3	-6	-6	-1	-2	-5
3	-8	-10	-7	-2	1	-1	6	2	-5	-6	-6	-5	0	4	3	3	5	3	1	-1	1	2	7	4
4	5	8	6	-3	-12	-11	-12	-10	-7	-10	-8	-6	-8	-9	-9	-6	-7	-5	-3	-4	-7	-7	-5	-3
5	-2	-7	-10	-11	-13	-13	-7	-7	-9	-15	-5	5	7	7	-1	-3	-2	-3	-6	-8	-7	-10	-5	-3
6	-2	-3	-6	-5	-7	-8	-7	-10	-11	-7	-5	-9	-8	-5	-7	-4	0	1	-1	-7	-6	-4	0	-5
7	-14	-15	-17	-20	-21	-20	-21	-21	-17	-11	-11	-8	-7	-4	-9	-15	-19	-14	-7	-9	-11	-10	-9	-8
8	-11	-10	-10	-9	-11	-9	-3	-1	-3	-11	-14	-15	-8	-10	-9	-11	-12	-16	-19	-16	-18	-16	-11	-6
9	-5	-6	-6	-7	-6	-10	-7	-2	2	4	3	-1	-4	-9	-9	-9	-5	-3	-4	-4	-1	-1	1	2
10	2	0	-2	-1	-2	-1	0	2	3	2	4	4	2	2	-1	-4	-5	-4	-3	-2	-3	-3	4	8
11	6	1	0	4	2	1	3	5	8	9	8	8	8	8	5	4	5	4	7	5	2	-3	0	-10
12	-12	-22	-27	-20	-32	-25	-17	-13	-13	-8	-6	-5	-6	-5	-5	-6	-5	-4	-6	-5	-8	-7	-3	-2
13	-3	-3	-4	-3	-7	-14	-17	-22	-27	-23	-13	-8	-8	-9	-9	-9	-13	-19	-23	-23	-18	-13	-13	-17
14	-15	-15	-16	-16	-20	-23	-18	-12	-5	-3	-1	2	1	-5	-8	-7	0	6	4	2	5	8	8	5
15	-5	-14	-22	-23	-18	-19	-23	-21	-14	-12	-12	-10	-8	-9	-8	-10	-9	-8	-8	-9	-11	-13	-12	-14
16	-13	-11	-9	-13	-14	-14	-12	-8	-5	-3	-3	-3	-4	-5	-7	-9	-9	-7	-6	-5	-5	-8	-10	-7
17	-3	-1	2	4	4	2	2	1	2	5	5	6	5	5	8	5	4	2	2	2	2	4	2	2
18	3	5	5	5	8	8	11	13	12	6	9	11	12	10	9	12	13	15	16	15	16	16	18	18
19	18	16	17	15	11	8	7	3	5	7	10	11	8	8	12	3	-3	-3	-8	-6	-2	-1	-3	3
20	5	4	8	8	11	9	-5	-8	2	-1	-12	-19	-9	-4	-2	-2	-3	-6	-3	-4	-13	-17	-15	-11
21	-12	-8	-4	-5	-6	-7	-9	-14	-11	-7	-4	-3	-4	-8	-6	-5	-2	1	3	1	-2	-4	-3	-1
22	-4	-4	-5	-2	-1	-8	-1	-1	-8	-3	-3	-2	-3	-2	-3	-4	-3	-1	0	2	3	3	2	4
23	5	0	5	-1	-6	-8	-9	-5	0	0	3	3	0	1	2	-2	-3	-5	-11	-9	-1	-5	-5	-8
24	-5	-10	-9	-5	-4	-3	-2	-15	-18	-19	-11	-11	-18	-15	-14	-12	-10	-9	-9	-8	-6	-6	-4	-5
25	-6	-8	-7	-6	-5	-6	-8	-10	-7	-8	-5	-5	-8	-10	-11	-10	-8	-7	-8	-8	-7	-6	-5	-5
26	-5	-5	-5	-4	-4	-3	-3	-3	-2	0	-1	-1	-1	3	5	6	5	5	5	5	5	8	9	8
27	7	5	3	4	6	7	4	1	0	1	1	1	2	3	2	4	5	5	6	6	7	8	10	9
28	7	2	2	3	4	6	7	7	8	8	4	3	9	9	7	7	4	2	-9	-17	-23	-29	-33	-32
29	-30	-27	-23	-25	-30	-29	-24	-19	-20	-10	-15	-24	-20	-13	-12	-9	-11	-7	-5	-3	-3	-7	-11	-7
30	-7	-10	-10	-7	-5	-2	0	3	6	5	0	-5	-4	-1	1	1	0	-5	-7	-9	-13	-16	-14	-11
31	-7	-10	-10	-8	-7	-8	-9	-9	-7	-8	-4	-8	-9	-11	-10	-7	-5	-4	-4	-4	-5	-8	-6	-5

DST
PROVISIONAL
2004
MAY

WDC-C2 KYOTO



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - June 2004 -

Unit=nT

DAY	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	-4	-9	-11	-12	-10	-5	-3	-5	-11	0	3	2	-4	-8	-2	-4	-9	-11	-9	-7	-10	-13	-16	-6
2	-4	-6	-3	-3	-10	-14	-13	-8	-8	-10	-7	-10	-12	-11	-8	-8	-5	-5	-6	-10	-9	-6	-2	-2
3	-2	-6	-11	-13	-13	-14	-11	-8	-2	-2	-1	-1	-3	-3	-2	-3	-1	0	2	1	1	0	0	-2
4	-3	-5	-11	-18	-18	-17	-10	-4	-1	-4	-8	-5	-8	-8	-5	-9	-8	-6	-5	-5	-6	-5	-8	-6
5	-4	-7	-8	-9	-6	-4	-4	2	4	9	10	6	6	1	-4	-4	-8	-9	-10	-7	-11	-10	-7	-8
6	-10	-9	-15	-18	-13	-16	-19	-16	-11	-4	-3	-8	-9	-11	-7	0	-3	-7	-10	-7	-2	-4	-7	-7
7	-5	-11	-12	-18	-14	-7	-8	-8	-3	4	0	-7	-10	-8	-7	-8	-13	-15	-17	-19	-20	-20	-21	-23
8	-31	-27	-24	-24	-22	-19	-19	-16	-14	-12	-16	-15	-9	-8	-8	-9	-10	-8	-10	-12	-4	0	1	-3
9	-6	-10	-13	-12	-8	-11	-17	-20	-17	-19	-11	-11	-10	-12	-11	-17	-18	-11	-10	-11	-10	-11	-13	-12
10	-5	-7	-8	-5	-6	-3	-7	-6	-1	1	2	0	3	7	2	-2	-1	0	1	-1	-3	-7	-10	-10
11	-10	-8	-8	-7	-2	1	1	-1	-3	-3	-3	-6	-9	-9	-8	-7	-7	-5	-5	-3	-4	-2	-3	-4
12	-3	-1	1	1	8	10	8	9	10	11	7	2	1	0	-4	-5	-3	-2	0	-1	-1	-1	-1	-2
13	2	3	2	1	4	6	6	13	19	22	24	23	20	23	27	26	28	25	22	22	20	19	16	14
14	19	20	20	20	20	20	15	5	-6	-16	-19	-16	-20	-28	-23	-17	-11	-12	-13	-12	-17	-9	-3	1
15	3	3	2	2	2	3	-8	-28	-30	-21	-10	-7	-16	-11	-5	-7	-9	-10	-8	-9	-13	-13	-14	-13
16	-9	-8	-12	-12	-11	-11	-11	-14	-8	-8	-6	-8	-11	-9	-10	-8	-6	-4	-5	-8	-7	-7	-6	-3
17	-2	-1	-2	-3	-8	-9	-10	-8	-6	-7	-10	-10	-10	-8	-6	-3	-3	-2	0	-2	-4	-6	-6	-4
18	-4	0	4	3	4	3	-2	0	-2	-3	-6	-6	-3	-1	1	-5	-8	-5	0	3	1	0	-3	-6
19	-6	-3	-2	1	3	5	3	1	-5	-3	-3	-3	-2	-1	-2	-4	-5	0	4	9	8	8	8	9
20	8	5	6	4	4	3	3	5	7	6	5	6	6	8	8	8	7	6	9	11	12	12	12	10
21	9	7	8	8	6	6	5	4	2	6	7	8	4	7	9	10	8	4	4	3	4	5	5	5
22	3	1	2	2	4	6	9	7	5	4	4	5	5	8	8	7	6	7	9	8	8	8	8	8
23	10	10	8	7	10	10	11	11	11	9	9	8	8	9	10	11	11	13	14	13	10	7	8	11
24	12	12	9	10	8	8	9	6	2	5	7	7	8	8	9	10	10	11	12	15	16	16	14	13
25	14	14	12	11	9	9	7	7	7	9	9	9	9	7	6	5	5	3	2	5	7	9	10	10
26	10	11	11	13	15	12	11	15	12	14	11	13	16	12	13	11	4	3	0	-2	-4	-3	-6	-9
27	-9	-5	-3	-2	-5	-5	-5	-3	-2	-3	-2	-3	-4	-4	-4	-2	0	-1	0	4	7	6	-1	-1
28	5	5	0	-1	-5	-4	1	1	-2	-2	-2	6	6	12	17	20	24	30	25	19	14	22	22	18
29	5	-4	-6	-7	-5	-4	-12	-10	-12	-15	-16	-15	-16	-14	-11	-9	-9	-13	-15	-10	-12	-13	-12	-10
30	-10	-9	-10	-10	-11	-14	-11	-7	-7	-3	-2	-4	-2	-1	-3	-2	-1	1	2	2	0	0	1	2

DST
PROVISIONAL
2004
JUN
WDC-C2 KYOTO

