

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°04-02 - Février 2004
 ISGI Publications Office Monthly Bulletin n°04-02 - February 2004

ERRATUM:

As a result of a recalculation of January 2004 Kp indices, there is a small error in the quietest and most disturbed days list published in the ISGI Monthly Bulletin n° 04-01 (January 2004). The right list of quietest and most disturbed days for January 2004 is : 8A 29A 12A 31A 14A

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	February 2004
Classification of days	- five international quietest days and most disturbed days	February 2004
aa	- hemispheric N, S, daily values and planetary half day and daily values	February 2004
	- musical diagram of aa (latest values)	Feb. up to 25 April 2004
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	February 2004
am, Km	- three hour indices values and musical diagram of Km	February 2004
Am, ΣKm	- daily values	February 2004
Ap, ΣKp	- daily values	February 2004
	- monthly tables of hourly indices	February 2004
Dst	- monthly tables of hourly indices	November & December 2003 January 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

FEBRUARY 2004

SSC - Storm Sudden Commencements	SFE - Solar Flare Effects
None	04 1043-1104 NGK 05 1012-1022 GUI 25 1247-1303 GUI 26 0154-0250 MMB+ KAK+ HTY+ KNY+ GNA+ 26 2213-2253 GNA+

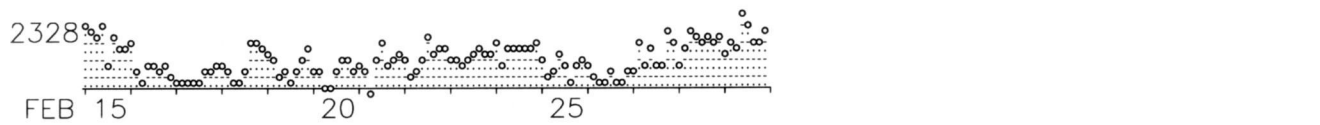
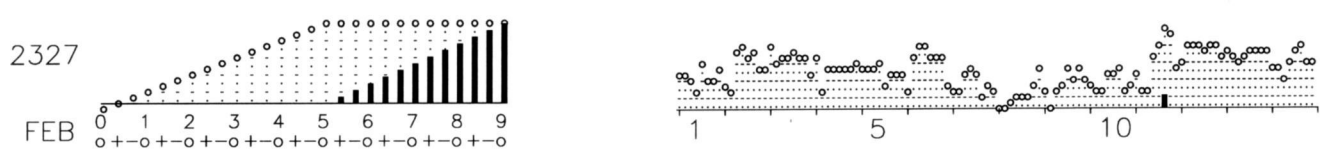
REPORTING OBSERVATORIES (up to 23/04/2004) :

SOD NUR LER ESK NGK VAL HAD BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI HYB GNA CNB

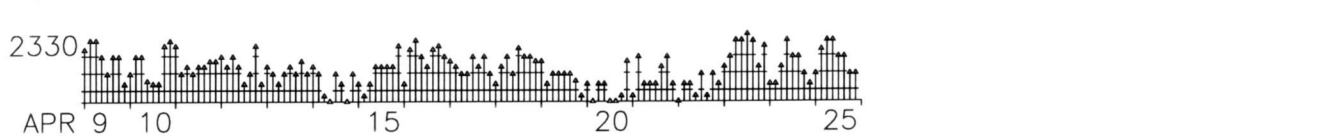
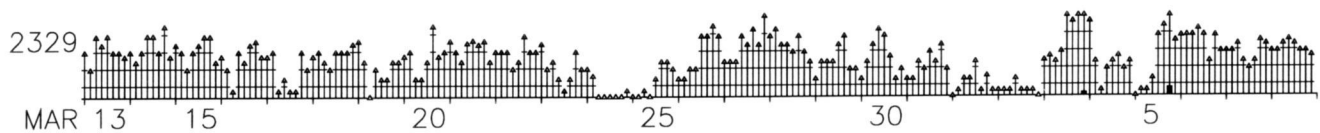
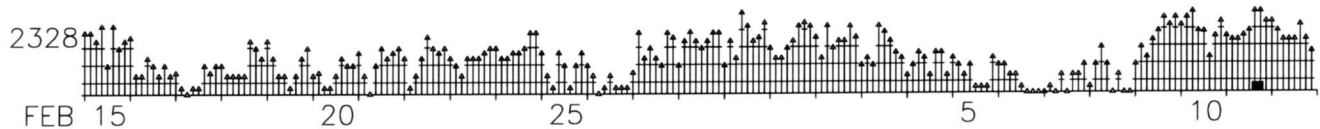
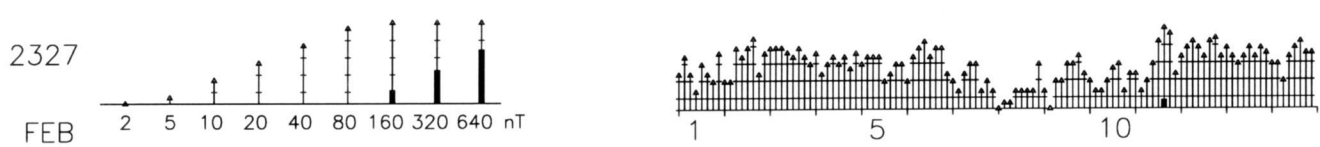
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
February 2004	26	17	8	20	10	12	29	13	15	11

FEBRUARY 2004		Geomagnetic Indices (provisional)										Daily Average and Sum						
	aa				quiet days	am and 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	22	18	18	22	20		18 2+	20 2+	15 2o	10 1+	28 3o	14 2o	15 2o	23 3-	18	18-	10	19-
2	39	28	25	42	33		13 2-	8 1+	48 4-	52 4o	40 3+	46 4-	22 3-	25 3-	32	23o	18	25-
3	36	41	44	33	39		51 4o	29 3o	39 3+	38 3+	43 4-	37 3+	34 3+	20 2+	36	26+	20	28-
4	32	23	27	28	28		35 3+	9 1+	26 3-	26 3-	26 3-	24 3-	22 3-	27 3o	24	21o	15	24-
5	28	21	30	19	25		26 3-	21 3-	22 3-	28 3o	13 2-	17 2+	20 2+	20 2+	21	20-	12	21o
6	41	31	37	35	36		10 1+	35 3+	51 4o	52 4o	35 3+	35 3+	38 3+	12 2-	34	24+	21	27o
7	13	15	15	13	14		10 1+	9 1+	20 2+	24 3-	20 2+	6 1o	13 2-	8 1+	14	14o	7	15-
8	9	8	5	12	9	CC *	2 0+	3 0+	5 1-	6 1o	7 1o	6 1o	13 2-	21 3-	8	9-	4	7+
9	16	17	9	24	16		9 1+	2 0+	10 1+	11 2-	24 3-	16 2o	23 3-	16 2o	14	14o	7	13+
10	14	13	10	17	14	C *	11 2-	9 1+	8 1+	17 2+	18 2+	21 3-	10 1+	12 2-	13	15-	6	13o
11	49	39	15	73	44		19 2+	8 1+	9 1+	35 3+	59 4o	132 6-	85 5-	23 3-	46	25+	28	25+
12	47	46	46	48	47		30 3o	53 4o	59 4o	51 4o	44 4-	60 4o	60 4o	39 3+	50	30o	30	33-
13	40	34	33	40	37		44 4-	39 3+	31 3o	38 3+	49 4-	41 4-	45 4-	44 4-	41	28o	25	31-
14	38	30	23	45	34		25 3-	25 3-	15 2o	31 3o	46 4-	51 4o	32 3o	32 3o	32	24o	20	28-
15	42	35	45	32	39		54 4o	44 4-	34 3+	57 4o	11 2-	37 3+	23 3-	22 3-	35	25+	24	29-
16	16	11	17	10	14		31 3o	8 1+	5 1-	13 2-	11 2-	9 1+	13 2-	7 1o	12	12+	7	12-
17	8	7	5	10	7	CC *	5 1-	5 1-	4 1-	5 1-	4 1-	9 1+	10 1+	11 2-	7	8-	4	8+
18	16	13	9	20	15		12 2-	8 1+	5 1-	5 1-	9 1+	31 3o	30 3o	21 3-	15	14+	8	15o
19	16	13	16	13	15		20 2+	15 2o	7 1o	8 1+	5 1-	10 1+	16 2o	23 3-	13	13+	8	14+
20	12	7	7	12	9	CC *	8 1+	10 1+	3 0+	3 0+	8 1+	15 2o	14 2o	8 1+	9	10o	4	9o
21	18	13	11	21	16		13 2-	10 1+	1 0o	14 2o	29 3o	13 2-	14 2o	17 2+	14	14o	7	14-
22	17	21	11	27	19		14 2o	7 1o	9 1+	15 2o	39 3+	17 2+	23 3-	22 3-	18	17+	8	16o
23	19	13	13	19	16		16 2o	14 2o	11 2-	15 2o	19 2+	22 3-	19 2+	19 2+	17	17+	9	18+
24	26	26	19	34	26		33 3o	13 2-	21 3-	24 3-	21 3-	21 3-	24 3-	27 3o	23	21o	11	20+
25	16	10	13	12	13	C	14 2o	7 1o	8 1+	19 2+	11 2-	5 1-	13 2-	14 2o	11	13-	6	13-
26	6	6	7	6	6	CK *	11 2-	6 1o	4 1-	4 1-	9 1+	5 1-	4 1-	8 1+	6	8o	3	6-
27	30	21	24	28	26		8 1+	31 3o	13 2-	21 3-	13 2-	11 2-	48 4-	29 3o	22	19-	12	19o
28	34	33	31	37	34		11 2-	26 3-	49 4-	37 3+	33 3o	34 3+	32 3o	36 3+	32	24o	19	26+
29	52	38	41	49	45		17 2+	27 3o	21 3-	77 5-	56 4o	29 3o	33 3o	41 4-	38	26+	24	29-

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) FEB-APR 2004



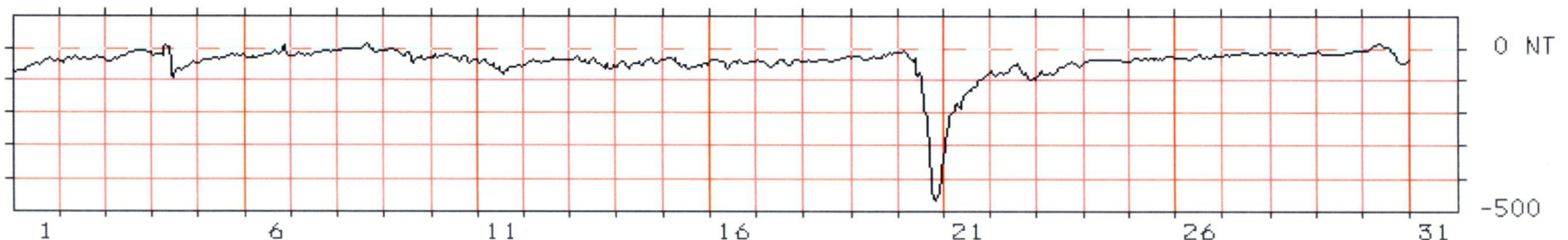
HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - November 2003 -

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	-72	-75	-67	-68	-68	-71	-67	-58	-56	-54	-52	-47	-50	-53	-49	-40	-37	-36	-32	-36	-40	-39	-36	-40
2	-44	-45	-36	-28	-33	-37	-32	-28	-27	-30	-36	-38	-33	-32	-36	-37	-35	-29	-29	-25	-29	-30	-32	-37
3	-41	-44	-39	-34	-32	-36	-30	-26	-27	-24	-17	-14	-14	-15	-13	-10	-7	-8	-7	-10	-10	-13	-14	-15
4	-25	-22	-19	-19	-20	-23	8	4	1	-26	-89	-74	-65	-66	-68	-65	-61	-57	-52	-47	-44	-43	-45	-49
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20	-14	-15	-11	-12	-18	-30	-38	-43	-28	-53	-84	-74	-86	-141	-198	-211	-273	-368	-451	-472	-460	-448	-413	-353
21	-320	-271	-241	-200	-195	-192	-169	-180	-184	-161	-144	-135	-131	-129	-122	-117	-118	-113	-99	-96	-93	-86	-81	-75
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DST
PROVISIONAL
2003
NOV

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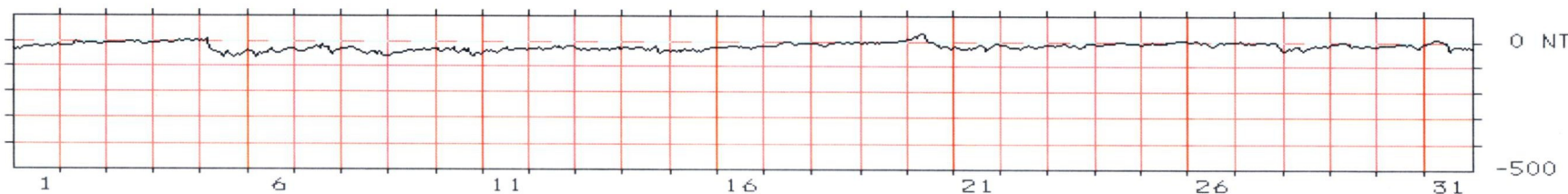


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - December 2003 -

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
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DST
PROVISIONAL
2003
DEC
WDC-C2 KYOTO



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - January 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
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