

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°04-03 - Mars 2004
ISGI Publications Office Monthly Bulletin n°04 - 03 - March 2004

C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	March 2004
Classification of days	- five international quietest days and most disturbed days	March 2004
aa	- hemispheric N, S, daily values and planetary half day and daily values	March 2004
	- musical diagram of aa (1 test values)	Mars up to 16 May 2004
Quiet periods	- truly magneticaly very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	March 2004
am, Km	- three hour indices values musical diagram of Km	March 2004
Am, ΣKm	- daily values	March 2004
Ap, ΣKp	- daily values	March 2004
	- monthly tables of hourly indices	March 2004
Dst	- monthly tables of hourly indices	February 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

MARCH 2004

SSC - Storm Sudden Commencements

None

SFE - Solar Flare Effects

06 1212-1236 BDV+
 06 1220-1235 NGK+
 08 1449-1512 GUI
 18 0514-0545 HTY+
 25 0434-0451 HTY+
 27 1259-1320 GUI
 30 1251-1324 GUI

REPORTING OBSERVATORIES (up to 04/05/04) :

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

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
March 2004	24	7	6	8	25	10	11	12	9	2

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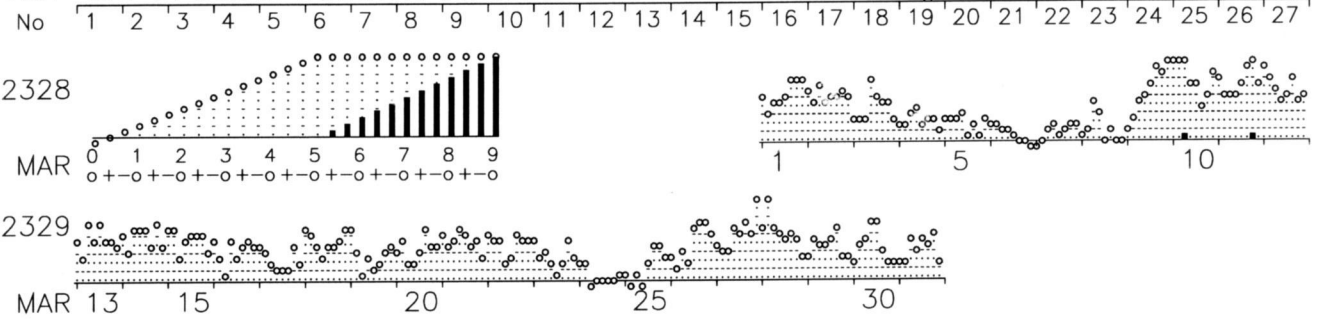
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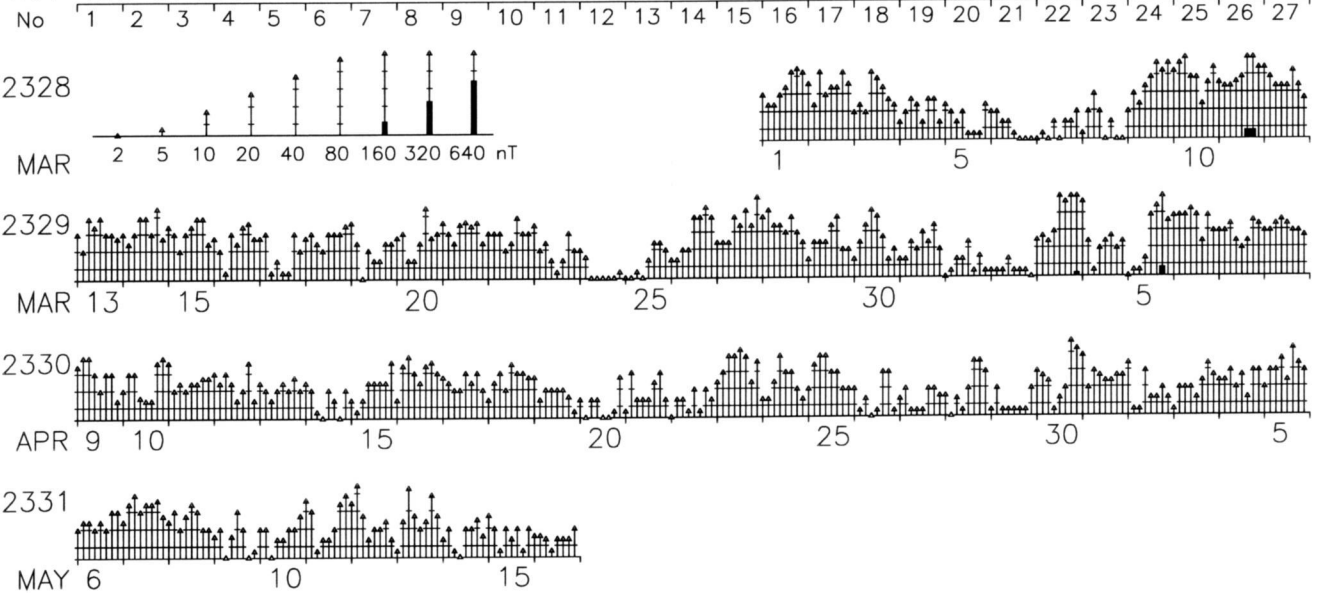
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MARCH 2004		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa					quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8				
1	46	28	20	54	37		32 3o	14 2o	25 3-	25 3-	29 3o	52 4o	54 4o	51 4o	35	25+	21	27+
2	46	28	34	40	37		35 3+	22 3-	43 4-	25 3-	28 3o	27 3o	34 3+	33 3o	31	25-	21	28-
3	27	26	25	29	27		12 2-	12 2-	11 2-	51 4o	31 3o	23 3-	24 3-	12 2-	22	19o	13	21-
4	15	13	14	14	14		9 1+	8 1+	16 2o	17 2+	8 1+	13 2-	13 2-	6 1o	11	13-	6	13o
5	10	10	12	8	10	CC	12 2-	12 2-	13 2-	14 2o	4 1-	9 1+	5 1-	13 2-	10	11+	5	11-
6	8	5	10	3	6	CC*	9 1+	10 1+	6 1o	6 1o	4 1-	2 0+	2 0+	1 0o	5	6o	3	6o
7	6	6	4	8	6	CC*	1 0o	3 0+	6 1o	9 1+	4 1-	6 1o	10 1+	10 1+	6	7o	3	6o
8	6	11	13	4	8	CK*	4 1-	7 1o	21 3-	16 2o	3 0+	6 1o	2 0+	2 0+	8	8+	3	7-
9	45	42	21	66	44		6 1o	12 2-	22 3-	27 3o	43 4-	74 5-	63 4+	100 5o	43	26o	28	27+
10	71	42	72	41	56		97 5o	89 5o	114 5+	44 4-	43 4-	18 2+	33 3o	64 4+	63	32+	45	37-
11	76	55	35	96	66		55 4o	29 3o	29 3o	29 3o	44 4-	82 5-	110 5+	49 4-	53	30+	40	35+
12	47	33	44	36	40		83 5-	54 4o	39 3+	22 3-	27 3o	52 4o	23 3-	33 3o	42	27+	28	30+
13	30	27	28	29	28		25 3-	12 2-	49 4-	24 3-	42 4-	26 3-	25 3-	17 2+	28	22o	14	23-
14	34	32	28	39	33		29 3o	15 2o	35 3+	38 3+	40 3+	17 2+	46 4-	17 2+	30	23+	16	25-
15	34	23	23	35	29		34 3+	38 3+	12 2-	22 3-	27 3o	30 3o	31 3o	16 2o	26	22o	15	24-
16	26	15	15	26	21		24 3-	13 2-	5 1-	21 3-	12 2-	19 2+	24 3-	17 2+	17	17-	10	18-
17	17	9	14	12	13	K	17 2+	14 2o	9 1+	7 1o	6 1o	7 1o	18 2+	10 1+	11	12+	6	12+
18	24	20	18	26	22		34 3+	30 3o	17 2+	12 2-	20 2+	20 2+	21 3-	39 3+	24	21o	10	19+
19	16	12	17	12	14		34 3+	16 2o	5 1-	11 2-	7 1o	9 1+	14 2o	17 2+	14	14+	7	13o
20	32	14	15	32	23		15 2o	21 3-	9 1+	10 1+	16 2o	39 3+	18 2+	19 2+	18	17+	12	19+
21	27	31	28	31	29		30 3o	20 2+	21 3-	37 3+	31 3o	20 2+	23 3-	11 2-	24	21o	11	20+
22	28	20	21	27	24		28 3o	21 3-	21 3-	10 1+	12 2-	27 3o	21 3-	21 3-	20	20-	13	21-
23	20	9	17	12	15		23 3-	11 2-	15 2o	9 1+	4 1-	9 1+	24 3-	11 2-	13	14o	7	14o
24	5	5	6	3	5	CC*	8 1+	9 1+	1 0o	3 0+	2 0+	3 0+	2 0+	5 1-	4	5-	3	5-
25	8	8	3	13	8	CC*	5 1-	1 0o	4 1-	1 0o	8 1+	17 2+	17 2+	13 2-	8	9o	4	8o
26	39	21	10	51	30		11 2-	7 1o	14 2o	9 1+	36 3+	44 4-	46 4-	30 3o	25	20-	17	22o
27	41	39	23	56	40		19 2+	14 2o	15 2o	35 3+	30 3o	48 4-	31 3o	95 5o	36	24+	22	27o
28	38	32	42	27	35		36 3+	87 5o	38 3+	31 3o	23 3-	33 3o	21 3-	12 2-	35	25-	21	27-
29	22	17	14	25	20		11 2-	26 3-	19 2+	17 2+	24 3-	39 3+	11 2-	12 2-	20	18+	10	19+
30	22	28	29	22	25		10 1+	17 2+	25 3-	43 4-	45 4-	15 2o	10 1+	8 1+	22	18+	14	20+
31	14	18	11	21	16		8 1+	10 1+	21 3-	14 2o	21 3-	18 2+	29 3o	9 1+	16	17-	9	17+

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAR-MAY 2004



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - February 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	-12	-11	-8	-13	-18	-22	-19	-17	-18	-17	-13	-11	-13	-13	-14	-17	-15	-12	-12	-12	-14	-14	-11	-8
2	-10	-7	-5	-4	-2	-1	-7	-21	-23	-21	-19	-19	-14	-22	-21	-19	-14	-17	-20	-16	-12	-12	-11	-8
3	-5	-3	-6	-14	-24	-27	-35	-36	-38	-30	-26	-27	-21	-21	-15	-17	-21	-16	-21	-21	-18	-15	-11	-8
4	-8	-12	-9	-10	-11	-13	-15	-21	-26	-21	-17	-16	-19	-25	-27	-23	-24	-23	-23	-19	-18	-17	-14	-12
5	-12	-13	-16	-18	-12	-10	-16	-19	-20	-20	-25	-18	-11	-11	-9	-8	-7	-8	-9	-5	-5	-3	-7	-4
6	0	0	-1	-3	-5	-15	-26	-27	-18	-15	-25	-34	-28	-19	-15	-15	-21	-22	-27	-19	-17	-15	-10	-6
7	-7	-11	-10	-12	-10	-11	-15	-20	-19	-17	-16	-15	-13	-12	-11	-12	-13	-12	-13	-16	-18	-15	-11	-8
8	-9	-6	-2	0	0	-4	-5	-4	-6	-8	-7	-5	-5	-2	-1	0	-1	1	3	1	0	0	1	2
9	4	5	4	4	3	3	1	-1	-2	0	0	-1	4	0	-11	-14	-11	-10	-15	-23	-27	-29	-27	-26
10	-22	-20	-19	-17	-15	-13	-12	-10	-12	-13	-12	-11	-11	-13	-13	-11	-8	-7	-4	-3	-1	0	-3	-1
11	3	7	2	-5	-5	-4	-2	-3	-3	0	-2	-11	-30	-40	-56	-84	-104	-109	-95	-83	-75	-76	-69	-57
12	-50	-42	-34	-29	-30	-43	-48	-52	-55	-51	-55	-56	-46	-37	-37	-42	-48	-46	-44	-41	-36	-41	-49	-47
13	-43	-39	-38	-43	-44	-46	-41	-37	-40	-35	-30	-32	-26	-30	-27	-39	-37	-38	-43	-38	-39	-38	-39	-37
14	-35	-35	-38	-39	-36	-37	-38	-36	-31	-33	-40	-42	-36	-35	-36	-36	-39	-33	-34	-34	-32	-31	-31	-33
15	-33	-34	-37	-38	-38	-38	-41	-42	-34	-41	-53	-46	-36	-34	-34	-38	-41	-44	-41	-35	-35	-32	-33	-36
16	-32	-33	-31	-30	-29	-29	-28	-27	-29	-29	-28	-30	-31	-27	-25	-26	-27	-29	-29	-27	-24	-26	-26	-26
17	-27	-29	-28	-26	-24	-24	-25	-25	-23	-21	-19	-20	-21	-20	-21	-22	-21	-20	-20	-22	-24	-26	-25	-23
18	-24	-23	-19	-18	-20	-23	-22	-23	-22	-18	-16	-17	-16	-14	-14	-19	-22	-17	-15	-17	-24	-23	-22	-28
19	-27	-21	-19	-18	-20	-21	-20	-18	-17	-18	-16	-15	-13	-9	-9	-11	-10	-10	-11	-13	-15	-14	-13	-14
20	-11	-12	-13	-13	-15	-12	-9	-9	-9	-6	-6	-8	-6	-5	-8	-14	-19	-21	-21	-24	-22	-16	-14	-12
21	-9	-7	-5	-1	1	-1	-2	-2	-2	-1	-2	-5	-6	-10	-8	-7	-9	-9	-7	-1	3	1	-4	-8
22	-9	-9	-4	2	6	4	2	2	-1	-3	-5	-3	-2	-7	-17	-15	-13	-10	-9	-11	-15	-12	-7	-4
23	-5	-7	-11	-9	-2	-2	-5	-4	-3	-1	3	-5	-5	-2	-3	-2	1	-1	-7	-6	-5	-2	-10	-11
24	-15	-13	-13	-15	-14	-15	-20	-18	-16	-16	-18	-19	-19	-21	-26	-25	-23	-25	-28	-28	-27	-23	-19	-15
25	-13	-11	-10	-11	-11	-13	-14	-14	-15	-15	-13	-13	-11	-8	-8	-8	-7	-5	-5	-2	1	3	-1	-3
26	-4	-8	-6	-5	-5	-5	-5	-4	-3	-3	-4	-2	-2	-2	1	6	11	12	12	13	17	15	15	11
27	7	7	7	4	5	5	4	5	14	9	6	8	13	12	15	15	19	15	12	-2	-16	-20	-14	-5
28	-6	-11	-13	-10	-10	-13	-20	-27	-27	-17	-21	-28	-25	-21	-16	-17	-14	-12	-14	-15	-16	-18	-25	-21
29	-18	-21	-21	-17	-14	-21	-18	-13	-10	-9	-12	-33	-26	-20	-19	-19	-18	-18	-23	-20	-13	-13	-14	-14

DST
PROVISIONAL
2004
FEB

WDC-C2 KYOTO

