

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°12-04 - Decembre 2004
 ISGI Publications Office Monthly Bulletin n°12 - 04 - December 2004

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

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 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.

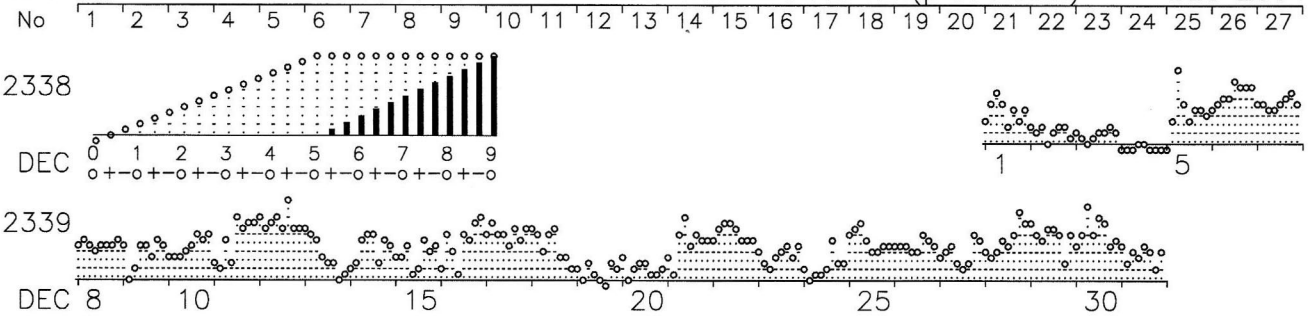
*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic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

PRELIMINARY REPORT ON RAPID VARIATIONS		DECEMBER 2004
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
05 07 46	A: SOD* LER* ESK* VAL HAD NAG SPT* GUI HYB GNA* CNB* B: NUR* NGK* BDV* CLF* HRB EBR C: GCK*	27 0657-0712 GUI
11 13 40	B: LER* ESK* HAD C: NGK* BDV* EBR SPT* GUI	
30 06 23	B: GUI C: NGK* BDV SPT*	
REPORTING OBSERVATORIES (up to 02/02/2005) :		
SOD NUR LER ESK NGK VAL HAD BDV CLF HRB NAG GCK MMB EBR SPT KAK KNY GUI HYB GNA CNB		

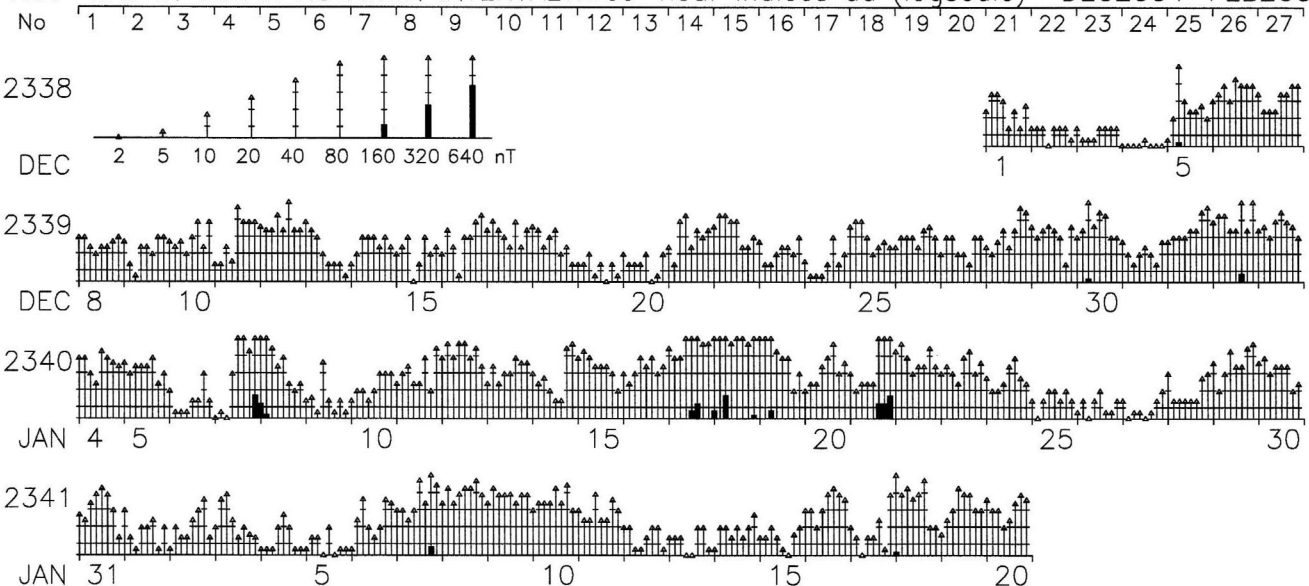
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
December 2004	4	3	19	2	24	12	6	22	30*	17*

DECEMBER 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	17	26	13	20		12 2-	24 3-	40 3+	21 3-	8 1+	19 2+	11 2-	19 2+	19	180	12	190
2	6	7	7	7	7	CC *	8 1+	7 10	8 1+	2 0+	7 10	10 1+	9 1+	5 1-	7	8+	4	70
3	6	8	6	8	7	CC *	6 10	5 1-	3 0+	5 1-	7 10	6 10	8 1+	6 10	6	70	3	50
4	2	3	2	3	2	CK *	1 00	1 00	1 00	2 0+	2 0+	1 00	1 00	0 00	1	1-	0	00
5	16	39	39	16	28		1 00	11 2-	72 5-	21 3-	13 2-	19 2+	19 2+	15 20	21	17+	9	15-
6	43	37	31	49	40		20 2+	25 3-	30 30	30 30	57 40	44 4-	43 4-	42 4-	36	260	20	28-
7	32	26	20	39	29		23 3-	24 3-	17 2+	20 2+	26 3-	33 30	35 3+	26 3-	26	22-	15	240
8	23	15	19	19	19		20 2+	22 3-	20 2+	15 20	20 2+	19 2+	17 2+	25 3-	20	190	11	20+
9	19	12	12	19	16		17 2+	3 0+	6 10	20 2+	19 2+	13 2-	26 3-	18 2+	15	150	8	15+
10	26	23	17	33	25		12 2-	12 2-	13 2-	16 20	20 2+	30 30	22 3-	27 30	19	180	10	19+
11	33	31	10	54	32		8 1+	7 10	21 3-	8 1+	59 40	39 3+	45 4-	50 4-	30	210	15	210
12	47	43	40	50	45		53 40	40 3+	45 4-	51 40	38 3+	94 50	37 3+	34 3+	49	300	29	32-
13	17	18	28	7	18		40 3+	30 30	24 3-	13 2-	9 1+	9 1+	3 0+	4 1-	17	14+	10	14+
14	16	21	17	20	19		6 10	10 1+	24 3-	28 30	28 30	10 1+	26 3-	19 2+	19	17+	7	140
15	13	15	14	15	14		11 2-	12 2-	20 2+	4 1-	7 10	24 3-	14 20	18 2+	14	14+	6	130
16	27	28	16	38	27		7 10	27 30	15 20	4 1-	28 30	25 3-	44 4-	53 40	25	200	13	21-
17	31	30	34	27	30		33 30	41 4-	33 30	27 30	17 2+	40 3+	21 3-	34 3+	31	24+	16	250
18	23	21	27	17	22		34 3+	31 30	14 20	28 30	36 3+	12 2-	13 2-	6 10	22	190	13	200
19	6	8	8	6	7	CC *	7 10	3 0+	8 1+	4 1-	3 0+	1 00	8 1+	7 10	5	60	3	50
20	9	8	9	8	8	C	11 2-	3 0+	6 10	10 1+	10 1+	5 1-	5 1-	7 10	7	80	4	8+
21	28	30	32	26	29		11 2-	4 1-	32 30	54 40	17 2+	27 30	24 3-	25 3-	24	200	12	20-
22	38	38	50	26	38		21 3-	39 3+	46 4-	47 4-	36 3+	22 3-	22 3-	21 3-	32	25-	20	26+
23	17	12	12	17	15		14 20	8 1+	7 10	12 2-	14 20	18 2+	11 2-	17 2+	13	14+	6	14-
24	6	13	6	13	10	C *	7 10	2 0+	5 1-	5 1-	7 10	21 3-	10 1+	10 1+	8	90	3	6+
25	26	28	38	16	27		30 30	40 3+	42 4-	23 3-	14 20	14 20	18 2+	19 2+	25	21+	14	22-
26	27	22	22	27	25		17 2+	20 2+	17 2+	16 20	15 20	28 30	25 3-	17 2+	19	190	11	20-
27	18	17	18	17	18		12 2-	15 20	19 2+	9 1+	7 10	10 1+	27 30	21 3-	15	15+	8	16-
28	40	29	20	49	34		16 20	11 2-	16 20	25 3-	17 2+	32 30	62 4+	50 4-	29	22-	16	24-
29	29	29	33	25	29		42 4-	31 30	21 3-	38 3+	36 3+	27 30	10 1+	27 30	29	23+	16	24-
30	34	62	53	44	48		18 2+	29 30	78 5-	32 30	57 40	46 4-	19 2+	22 3-	38	26-	18	26-
31	17	10	13	14	14	C	20 2+	9 1+	14 20	12 2-	18 2+	15 20	7 10	14 20	14	15-	7	15+

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) DEC2004-FEB2005



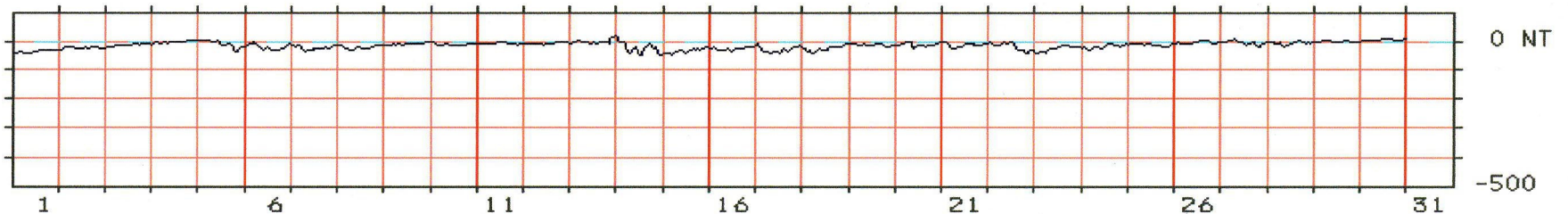
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HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - September 2004 -

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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5	2	4	3	4	3	1	0	-2	-3	1	-2	-13	-15	-16	-11	-6	-12	-18	-38	-36	-26	-20	-18	-19
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30	3	4	3	3	4	4	5	5	4	5	6	6	8	8	8	6	5	3	1	1	3	5	7	8

DST
PROVISIONAL
2004
SEP
RDC-02 KYOTO



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HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - October 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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DST
PROVISIONAL
2004
OCT
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