

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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

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PRELIMINARY REPORT ON RAPID VARIATIONS		NOVEMBER 2004		
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects		
07 02 57	A: NAG* GCK B: HRB GUI C: NGK* BDV* CLF EBR SPT	03 0124-0144	GNA+	
		05 1126-1141	LER ESK NGK+ HAD BDV+ GUI	
07 10 52	A: SOD* LER* NAG* SPT GUI GNA CNB B: NUR* ESK NGK* HAD* BDV* CLF* EBR Si: VAL			
07 18 27	A: NUR NGK* VAL HAD* BDV* CLF* HRB CNB B: LER ESK* NAG* EBR SPT* GNA -: COI*			
09 09 30	A: GCK* B: LER* ESK* HAD* C: NGK BDV CLF*			
11 17 10	C: NGK BDV CLF NAG SPT Si: EBR			
REPORTING OBSERVATORIES (up to 04/01/2005) :				
SOD NUR LER ESK NGK VAL HAD BDV CLF HRB NAG GCK EBR COI SPT GUI GNA CNB				
	FIVE INTERNATIONAL QUIETEST DAYS		FIVE INTERNATIONAL MOST DISTURBED DAYS	
November 2004	6	15 18 2 5K	10 8 9 7 12	

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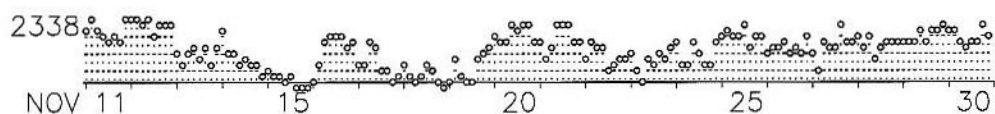
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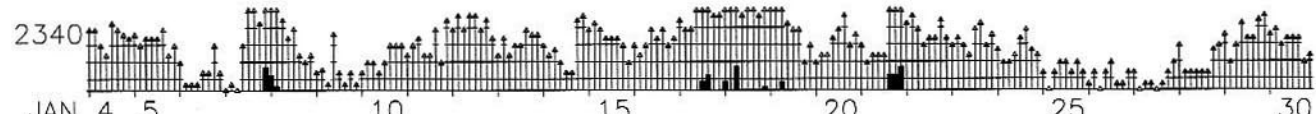
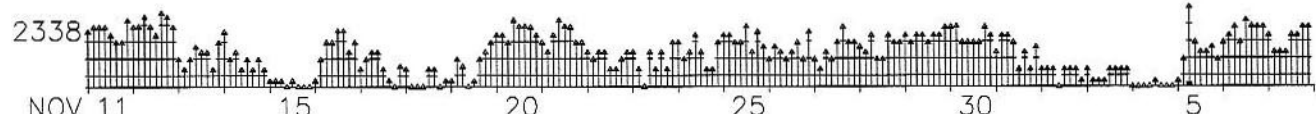
Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

NOVEMBER 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	Am	Σ Km	Ap	Σ Kp
1	12	12	12	12	12	C	18 2+	6 1o	7 1o	10 1+	20 2+	9 1+	0 0o	10 1+	10	11-	5	10+
2	11	9	8	12	10	CC*	7 1o	0 0o	5 1-	11 2-	10 1+	16 2o	17 2+	9 1+	9	10+	4	-9o
3	24	19	11	32	21		6 1o	4 1-	5 1-	27 3o	14 2o	26 3-	43 4-	53 4o	22	18-	10	16-
4	23	15	18	20	19		12 2-	21 3-	18 2+	10 1+	5 1-	21 3-	18 2+	29 3o	17	17-	8	16+
5	9	5	11	3	7	CK*	20 2+	5 1-	2 0+	5 1-	1 0o	2 0+	6 1o	1 0o	5	5+	4	6o
6	4	6	4	5	5	CK*	4 1-	2 0+	3 0+	4 1-	2 0+	0 0o	6 1o	1 0o	3	3+	1	1+
7	84	98	23	160	91		15 2o	21 3-	9 1+	44 4-	32 3o	91 5o	180 6+	220 7-	77	31-	50	31-
8	177	147	267	58	162		454 8+	436 8o	370 8-	204 7-	72 5-	25 3-	57 4o	74 5-	212	47-	140	50o
9	152	129	79	202	140		79 5-	65 4+	79 5-	119 5+	142 6-	136 6-	404 8o	203 7-	153	45o	119	52o
10	186	180	254	112	183		197 6+	252 7o	368 8-	348 8-	158 6o	113 5+	72 5-	43 4-	194	48+	161	56+
11	48	30	43	35	39		37 3+	55 4o	40 3+	31 3o	21 3-	30 3o	21 3-	58 4o	37	26o	24	29o
12	56	51	51	56	54		55 4o	54 4o	43 4-	59 4o	32 3o	49 4-	45 4-	41 4-	47	30-	30	33+
13	14	15	13	16	15		16 2o	10 1+	16 2o	18 2+	13 2-	18 2+	8 1+	18 2+	15	15+	7	15-
14	16	12	18	10	14	K	35 3+	16 2o	14 2o	9 1+	13 2-	9 1+	9 1+	5 1-	14	14-	8	14-
15	3	5	4	3	4	CC*	6 1o	4 1-	5 1-	3 0+	4 1-	1 0o	1 0o	1 0o	3	3+	2	2+
16	15	30	16	29	23		3 0+	8 1+	24 3-	27 3o	29 3o	27 3o	19 2+	21 3-	20	18+	7	15-
17	10	9	13	6	10	CK	10 1+	10 1+	22 3-	17 2+	7 1o	7 1o	3 0+	5 1-	10	11-	6	10o
18	4	5	4	6	5	CC*	8 1+	5 1-	2 0+	5 1-	8 1+	7 1o	3 0+	1 0o	5	6-	2	3-
19	9	12	7	14	11	C	2 0+	11 2-	5 1-	3 0+	3 0+	13 2-	16 2o	20 2+	9	9+	4	7+
20	36	43	37	42	40		32 3o	25 3-	21 3-	42 4-	38 3+	45 4-	48 4-	25 3-	35	25+	20	27+
21	34	33	33	35	34		22 3-	13 2-	20 2+	48 4-	42 4-	47 4-	23 3-	23 3-	30	23o	17	25o
22	12	14	15	11	13	C	11 2-	22 3-	20 2+	19 2+	7 1o	8 1+	12 2-	12 2-	14	15-	8	15-
23	13	11	11	14	12	C	14 2o	6 1o	2 0+	11 2-	8 1+	15 2o	13 2-	18 2+	11	12+	6	12o
24	20	15	21	14	18		22 3-	9 1+	10 1+	22 3-	15 2o	10 1+	9 1+	24 3-	15	15+	8	17-
25	29	29	28	30	29		31 3o	39 3+	27 3o	28 3o	43 4-	19 2+	27 3o	28 3o	30	24+	20	27o
26	25	12	15	22	19		14 2o	17 2+	18 2+	21 3-	15 2o	19 2+	15 2o	30 3o	19	19-	12	21-
27	22	19	12	29	21		14 2o	7 1o	21 3-	18 2+	18 2+	48 4-	24 3-	21 3-	21	19+	11	19o
28	24	19	20	23	22		33 3o	18 2+	31 3o	13 2-	17 2+	26 3-	23 3-	22 3-	23	20+	13	22-
29	31	33	30	33	32		23 3-	23 3-	24 3-	36 3+	25 3-	36 3+	34 3+	42 4-	30	24+	17	25+
30	30	36	35	31	33		34 3+	39 3+	23 3-	19 2+	21 3-	23 3-	44 4-	27 3o	29	24-	18	25+

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) NOV2004-JAN2005

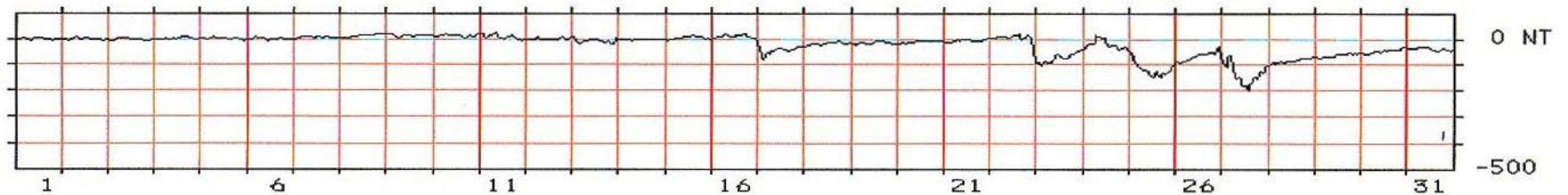


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - July 2004 -

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	0	0	-1	1	3	0	-3	-7	-1	2	2	2	3	1	0	-1	-3	-5	-6	-5	-3	-2	0	-2
2	-4	-4	-6	-5	-1	1	6	7	2	-1	0	4	4	3	-1	-3	-4	-1	-2	-5	-7	-6	-5	-5
3	-7	-10	-7	-2	2	4	4	2	2	2	-2	-3	-5	-4	-1	-2	-2	-3	-6	-10	-11	-8	-4	-5
4	-4	-1	-3	-3	0	1	-1	-2	-2	1	-1	1	2	6	8	9	9	5	1	-3	-5	-5	-3	1
5	1	2	0	-2	1	4	6	5	4	5	5	4	5	0	-1	0	1	4	4	-3	-5	-6	-5	-2
6	-2	-2	2	7	6	4	4	4	2	0	-6	-5	-1	0	0	0	1	1	0	-2	-3	-2	-2	-3
7	-1	2	5	7	9	9	8	9	6	1	3	6	6	6	5	5	6	6	5	3	3	3	4	3
8	2	4	4	2	5	7	8	7	10	12	14	16	16	16	16	16	16	17	20	20	19	18	18	19
9	18	18	17	13	9	5	5	9	12	15	15	13	11	11	13	14	15	14	14	16	16	14	14	11
10	9	8	7	14	15	16	19	14	14	13	14	16	15	12	8	5	5	11	14	11	10	12	18	19
11	18	17	5	11	13	15	19	22	23	15	3	2	-5	3	10	9	12	8	1	-1	-2	-7	-3	-4
12	-5	-3	-3	-5	0	6	-2	-5	-1	-2	-1	-2	-5	-4	-3	-4	0	4	6	4	-3	-5	4	9
13	6	-1	-14	-18	-15	-8	-6	-9	-4	-1	-2	-2	-3	-6	-11	-15	-12	-11	-15	-17	-17	-7	1	0
14	-3	-5	-5	-4	-4	-5	-6	-5	-5	-5	-5	-4	-5	-4	-4	-5	-4	-3	-4	-4	-4	-4	-4	-2
15	-7	-5	-3	0	3	5	4	3	5	8	9	10	11	12	12	9	9	8	7	1	0	1	-3	-2
16	2	5	8	9	11	14	17	15	9	8	7	9	12	13	14	14	17	18	11	6	2	1	4	-9
17	-30	-54	-80	-68	-53	-56	-45	-50	-44	-36	-34	-38	-41	-44	-45	-47	-44	-40	-38	-37	-33	-31	-29	-30
18	-30	-27	-24	-21	-21	-19	-19	-26	-27	-22	-21	-15	-14	-14	-15	-16	-11	-11	-14	-21	-22	-19	-16	-17
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21	-13	-14	-13	-12	-10	-7	-5	-7	-5	-5	-4	-4	-5	-7	-9	-9	-10	-9	-11	-8	-4	-2	1	3
22	4	5	5	7	8	8	7	6	5	2	9	16	16	12	19	0	2	2	14	8	5	-25	-67	-89
23	-89	-89	-101	-94	-86	-89	-92	-91	-83	-73	-61	-63	-71	-77	-73	-75	-68	-61	-58	-52	-50	-46	-42	-39
24	-35	-26	-17	-19	-21	-12	15	11	8	3	4	1	-18	-30	-24	-25	-24	-29	-40	-35	-36	-31	-34	-45
25	-55	-65	-84	-99	-110	-114	-120	-121	-125	-125	-144	-148	-140	-128	-125	-140	-147	-132	-138	-133	-127	-122	-100	-99
26	-88	-93	-94	-84	-87	-82	-79	-74	-68	-70	-66	-61	-59	-58	-60	-61	-53	-53	-55	-59	-56	-50	-32	-55
27	-80	-96	-107	-66	-65	-93	-131	-152	-148	-153	-181	-179	-180	-197	-169	-162	-145	-151	-139	-125	-129	-123	-105	-102
28	-98	-94	-94	-95	-91	-89	-87	-91	-91	-88	-87	-85	-85	-87	-83	-80	-76	-75	-75	-74	-74	-74	-69	-69
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31	-34	-35	-37	-37	-37	-32	-32	-33	-32	-32	-32	-34	-39	-44	-46	-46	-43	-38	-38	-40	-43	-46	-42	-38

DST
PROVISIONAL
2004
JUL
R00-02 KYOTO



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - August 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	-37	-42	-38	-34	-32	-30	-27	-29	-30	-31	-29	-28	-30	-29	-29	-27	-28	-31	-31	-30	-30	-28	-29	-33
2	-35	-36	-36	-39	-38	-33	-30	-34	-40	-36	-33	-32	-31	-29	-28	-27	-27	-29	-27	-25	-25	-28	-30	-27
3	-24	-24	-24	-27	-28	-26	-24	-23	-23	-22	-19	-20	-21	-22	-21	-19	-19	-19	-19	-19	-21	-23	-21	-21
4	-20	-19	-18	-19	-18	-17	-16	-13	-15	-16	-18	-16	-14	-14	-15	-15	-15	-15	-15	-15	-14	-14	-11	-11
5	-13	-15	-16	-15	-15	-14	-13	-11	-11	-12	-14	-18	-22	-20	-20	-18	-15	-12	-11	-18	-18	-13	-14	-21
6	-26	-25	-20	-19	-17	-16	-16	-15	-15	-16	-16	-16	-14	-11	-10	-8	-8	-9	-6	-5	-9	-6	-6	-7
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17	-8	-14	-17	-11	-7	-3	-4	-5	-8	-8	-9	-14	-16	-14	-19	-19	-22	-22	-12	-17	-22	-22	-25	-23
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19	-16	-14	-11	-13	-6	-2	-1	-2	-5	-6	-5	-5	-8	-6	-6	-6	-7	-6	-4	-2	-4	-7	-6	-6
20	-6	-13	-19	-21	-18	-15	-18	-21	-21	-26	-24	-22	-24	-33	-35	-32	-28	-30	-33	-35	-33	-29	-29	-29
21	-28	-29	-27	-33	-36	-30	-24	-28	-32	-28	-26	-29	-27	-20	-18	-17	-21	-30	-33	-30	-30	-31	-25	-30
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29	-7	-7	-11	-13	-10	-10	-7	-7	-8	-7	5	5	5	9	3	8	8	9	8	6	-4	-2	3	8
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31	-99	-89	-88	-76	-76	-73	-64	-80	-85	-77	-78	-76	-71	-65	-62	-61	-65	-60	-57	-55	-57	-54	-49	-49

DST
PROVISIONAL
2004
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