

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°01 - 04 - Avril 2001**  
**ISGI Publications Office Monthly Bulletin n°01 - 04 - April 2001**

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	- monthly tables of hourly indices	April 2001

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**

**APRIL 2001**

**SSC - Storm Sudden Commencements**

**SFE - Solar Flare Effects**

04 14 55 A: NGK* VAL* CLF* NAG* SPT* GUI* ETT HER B: NUR* BDV* HRB* EBR HTY* C: GCK* GNA CNB 08 11 01 A: VAL* NAG* MMB* EBR KAK* KNY* ETT B: NUR BDV* SPT* HER* C: NGK* HRB GCK* HTY* 11 13 43 A: MMB KAK HTY KNY B: GCK C: BDV EBR ETT sfe: NGK+ 11 15 19 A: VAL B: BDV HRB NAG HER* C: NGK CLF EBR 13 07 34 A: VAL* GUI ETT B: NAG* MMB* KAK HTY KNY C: NGK* BDV SPT* GNA CNB 18 00 46 A: NGK* CLF* NAG* EBR* SPT* GUI B: BDV* HRB GCK* MMB* KAK* HTY* KNY* ETT HER 21 16 01 A: NAG SPT* GUI B: NUR* BDV HRB MMB EBR KAK HTY KNY ETT HER* C: NGK* CLF GCK si: VAL 28 05 00 A: NGK* VAL* CLF* NAG* MMB* EBR* SPT* KAK HTY KNY GUI ETT HER* B: NUR* BDV HRB* GCK* C: GNA* CNB*	02 1104-1137 GUI 02 2139-2205 MMB+ KAK+ KNY+ 03 1231-1245 BDV+ 10 0509-0610 MMB+ KAK+ KNY+ ETT 11 0026-0045 MMB+ KAK+ KNY+ 11 1344-1402 NGK+ (see SSC) 15 1343-1436 NGK+ BDV+ HRB NAG EBR SPT HER (si: GUI) 25 0505-0525 MMB+ KAK+ KNY+ 25 1343-1430 BDV+ GUI 26 1306-1328 NGK+ BDV+ EBR (ssc: GCK, si: GUI)
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REPORTING OBSERVATORIES (up to the 5th of June 2001) :

NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR SPT KAK HTY KNY GUI ETT GNA HER CNB

**FIVE INTERNATIONAL QUIETEST DAYS**

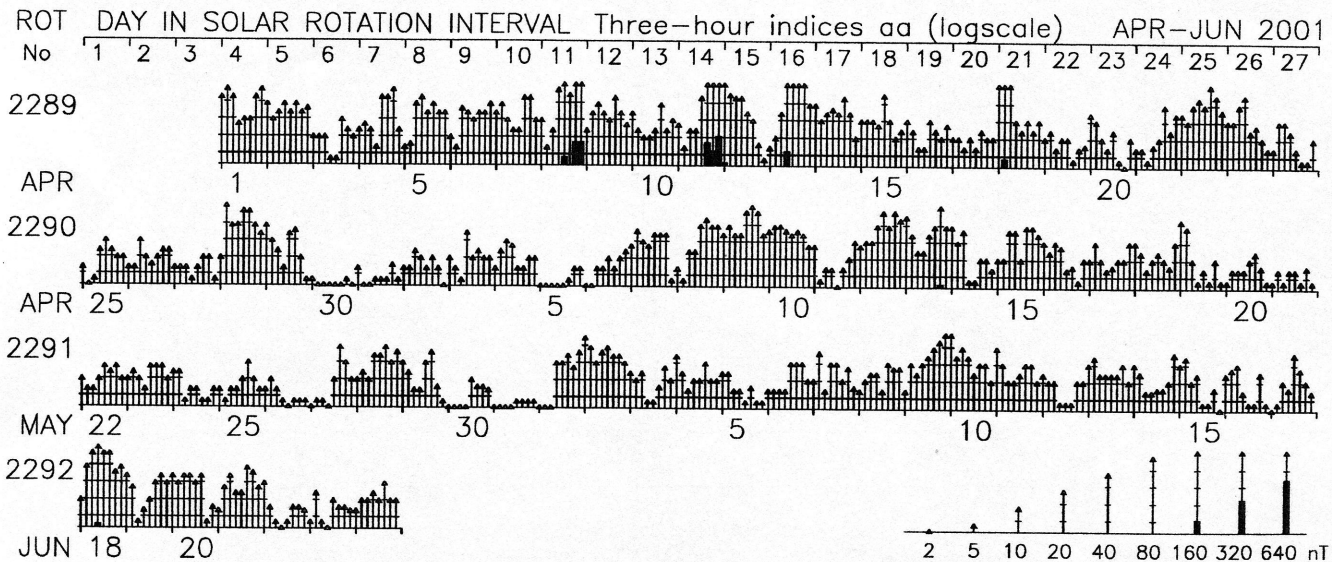
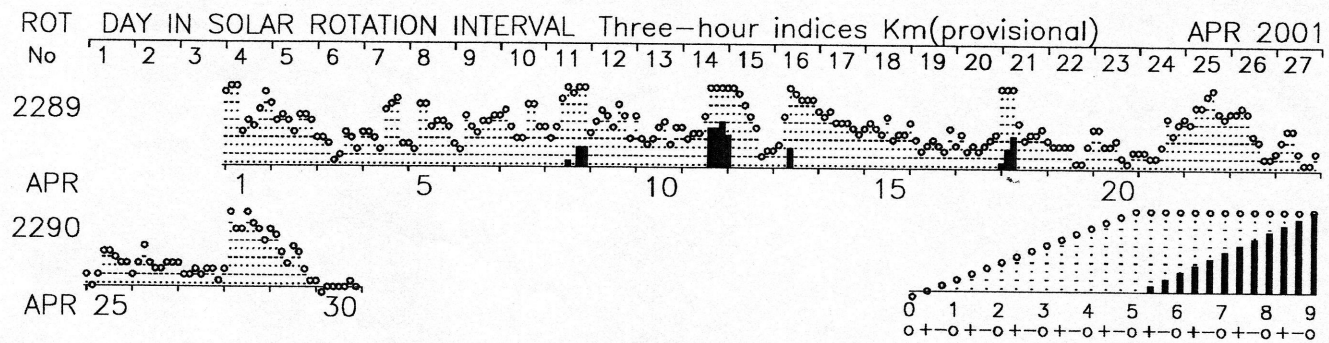
**FIVE INTERNATIONAL MOST DISTURBED DAYS**

**April 2001**

30 27 24 19 25

11 8 13 12 18

APRIL 2001						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	Σ Km	Ap
1	54	48	55	47	51	78 5-	88 5o	90 5o	19 2+	29 3o	24 3-	48 4-	71 5-	56	31o	38	35o
2	40	34	37	37	37	58 4o	33 3o	37 3+	31 3o	20 2+	36 3+	37 3+	30 3o	35	25+	22	28+
3	12	13	10	14	12	C	16 2o	14 2o	11 2-	5 1-	7 1o	20 2+	14 2o	12	13o	6	13+
4	38	30	15	54	34		18 2+	18 2+	16 2o	9 1+	48 4-	54 4o	61 4+	30	22-	23	25+
5	33	32	31	35	33		13 2-	10 1+	53 4o	52 4o	24 3-	29 3o	32 3o	30	22+	19	26-
6	24	32	23	34	28		13 2-	8 1+	37 3+	23 3-	18 2+	29 3o	31 3o	25	21-	13	21+
7	38	31	29	40	34		40 3+	48 4-	24 3-	15 2o	14 2o	52 4o	58 4o	35	24+	20	26o
8	116	80	32	164	98		24 3-	14 2o	24 3-	68 4+	120 5+	76 5-	150 6o	79	34-	63	39-
9	33	32	32	34	33		19 2+	33 3o	46 4-	36 3+	22 3-	58 4o	35 3+	33	24+	20	27-
10	24	19	18	25	22		37 3+	14 2o	11 2-	16 2o	23 3-	28 3o	11 2-	21	19o	11	19o
11	94	107	15	186	100		22 3-	14 2o	17 2+	17 2+	37 3+	282 7o	246 7o	116	34o	85	37o
12	59	33	75	18	46		223 7-	101 5o	72 5-	59 4o	39 3+	25 3-	7 1o	67	29-	50	32+
13	73	70	56	88	72		8 1+	11 2-	36 3+	156 6o	86 5-	69 4+	70 4+	62	30o	50	34+
14	34	34	35	34	34		47 4-	34 3+	41 4-	32 3o	28 3o	29 3o	23 3-	32	25-	18	26o
15	31	21	23	30	26		24 3-	27 3o	25 3-	18 2+	35 3+	14 2o	17 2+	22	21-	13	21+
16	18	14	14	18	16		31 3o	14 2o	9 1+	12 2-	15 2o	11 2-	10 1+	15	16-	8	15+
17	12	11	11	12	12	C	12 2-	17 2+	10 1+	11 2-	10 1+	12 2-	15 2o	13	14+	6	13o
18	58	53	91	20	56		117 5+	165 6o	212 7-	28 3o	15 2o	17 2+	18 2+	74	30+	50	33-
19	10	10	12	9	10	C *	16 2o	11 2-	13 2-	11 2-	11 2-	5 1-	4 1-	10	12-	6	12+
20	13	15	19	9	14	K	23 3-	21 3-	11 2-	13 2-	15 2o	6 1o	5 1-	13	14-	6	12+
21	18	15	8	26	17		8 1+	10 1+	6 1o	7 1o	11 2-	36 3+	17 2+	16	15o	8	14-
22	56	47	40	63	52		34 3+	33 3o	52 4o	54 4o	78 5-	93 5o	45 4-	53	31o	37	35-
23	25	29	40	14	27		47 4-	48 4-	54 4o	49 4-	18 2+	15 2o	7 1o	31	21+	16	23-
24	15	11	18	8	13	K C *	8 1+	14 2o	22 3-	22 3-	9 1+	5 1-	5 1-	12	13-	6	12o
25	12	12	8	16	12	C C *	7 1o	3 0+	7 1o	19 2+	19 2+	14 2o	12 2-	12	12+	6	13-
26	13	13	13	13	13	C C	7 1o	13 2-	22 3-	12 2-	9 1+	9 1+	13 2-	12	13o	6	13o
27	9	7	7	9	8	C *	11 2-	6 1o	7 1o	8 1+	7 1o	9 1+	10 1+	8	9+	4	9-
28	57	54	51	60	55		9 1+	81 5-	48 4-	49 4-	82 5-	58 4o	44 4-	51	19-	40	34+
29	28	17	23	22	22		48 4-	35 3+	20 2+	13 2-	24 3-	19 2+	9 1+	22	18o	13	19+
30	4	2	3	3	3	C K *	5 1-	0 0o	2 0+	2 0+	3 0+	2 0+	5 1-	3	3o	1	2+



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - April 2001 -

Unit = NT																							U.T.	
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	-215	-203	-194	-180	-168	-153	-151	-157	-144	-123	-125	-124	-113	-108	-101	-97	-92	-85	-76	-75	-74	-63	-64	-71
2	-83	-87	-89	-90	-87	-86	-74	-73	-73	-65	-62	-50	-44	-42	-47	-53	-46	-47	-41	-35	-35	-29	-24	-29
3	-30	-27	-30	-27	-18	-15	-16	-16	-15	-11	-15	-17	-15	-12	-12	-12	-9	-18	-15	-8	-6	-6	-7	-9
4	-14	-14	-15	-15	-15	-12	-3	5	5	12	9	7	5	6	4	26	16	5	-1	-10	-4	-9	-16	-17
5	-17	-19	-26	-32	-28	-24	-23	-39	-32	-14	-28	-38	-24	-14	-15	-15	-14	-11	-21	-16	-8	-1	-11	-15
6	-10	-7	-11	-11	-9	-4	-1	-13	-15	-5	-2	-5	-5	0	4	1	5	5	4	2	-11	-6	-6	-3
7	2	-3	-26	-21	-30	-30	-28	-29	-23	-22	-25	-27	-25	-23	-20	-23	-19	-6	3	-3	-7	-11	-15	-13
8	-16	-20	-12	-8	-7	-9	-10	-15	-21	-17	-15	17	16	8	-49	-51	-37	-35	-34	-21	-22	-36	-41	-40
9	-38	-39	-41	-43	-43	-51	-52	-54	-50	-43	-38	-38	-30	-30	-37	-36	-30	-34	-35	-41	-48	-44	-39	-38
10	-38	-37	-36	-34	-32	-25	-23	-25	-21	-14	-15	-14	-12	-13	-17	-18	-22	-21	-18	-10	-6	-5	-11	-9
11	-13	-18	-19	-17	-18	-18	-11	-13	-12	-8	-11	-11	-7	-3	5	9	-9	-86	-94	-103	-146	-197	-200	-256
12	-222	-199	-198	-178	-161	-154	-152	-146	-139	-123	-112	-103	-96	-92	-94	-92	-86	-82	-77	-71	-66	-63	-62	-61
13	-60	-59	-57	-55	-52	-54	-52	-44	-25	-14	-12	-55	-31	-44	-57	-66	-59	-49	-47	-46	-54	-55	-54	-58
14	-58	-52	-51	-47	-43	-41	-44	-32	-32	-28	-34	-31	-25	-21	-25	-29	-26	-22	-19	-17	-15	-16	-18	-20
15	-20	-19	-21	-20	-21	-21	-21	-20	-25	-23	-25	-25	-21	-16	-15	-17	-17	-14	-9	-6	-4	-6	-9	-14
16	-18	-20	-22	-22	-18	-18	-15	-10	-7	-3	-8	-7	-5	-4	-6	-9	-8	-7	-7	-6	-7	-7	-7	-7
17	-10	-16	-17	-15	-12	-17	-15	-13	-7	0	0	-2	0	0	0	-4	-3	-1	-3	-4	-5	-4	-7	-13
18	-8	15	-6	-35	-80	-89	-101	-97	-88	-65	-60	-59	-54	-55	-56	-58	-59	-59	-55	-56	-53	-51	-51	-54
19	-53	-58	-54	-46	-45	-44	-38	-33	-28	-22	-24	-24	-20	-17	-18	-18	-17	-14	-9	-9	-10	-13	-13	-13
20	-15	-14	-18	-20	-17	-13	-12	-9	-6	-5	-7	-11	-10	-7	-4	-6	-6	-2	-1	-1	0	-1	-2	0
21	4	1	-1	-2	-1	-1	4	7	9	9	6	5	7	6	3	2	22	22	21	23	23	25	24	21
22	17	9	5	-1	-5	-7	-13	-27	-30	-35	-38	-46	-58	-75	-92	-103	-88	-72	-66	-73	-74	-75	-72	-64
23	-57	-54	-56	-64	-71	-70	-59	-61	-66	-68	-66	-50	-40	-39	-45	-42	-34	-28	-21	-22	-19	-20	-20	-17
24	-15	-13	-12	-13	-13	-19	-26	-26	-25	-21	-16	-13	-13	-14	-16	-17	-15	-11	-10	-10	-9	-8	-4	-5
25	-5	-4	-3	-1	0	0	3	5	5	4	9	10	9	7	10	12	10	11	9	10	15	16	12	11
26	9	11	14	12	11	3	4	3	1	7	4	3	8	10	8	8	7	8	10	11	7	7	5	3
27	3	6	7	7	10	11	13	13	11	13	9	8	10	13	14	13	13	10	10	13	12	10	10	11
28	11	11	14	18	22	60	56	46	44	35	18	6	12	10	-14	-22	-11	-9	-21	-15	-11	-15	-9	-8
29	0	-10	-29	-33	-26	-21	-11	-2	3	12	12	8	7	5	-1	-10	-10	-6	0	2	1	-2	-5	-6
30	-7	-8	-8	-6	-7	-8	-3	-1	0	1	-2	-2	2	2	0	-1	0	2	4	9	9	6	4	4

DST  
PROVISIONAL  
2001  
APR

WDC-C2 KYOTO

