

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	March 2002
Classification of days	- five international quietest days and most disturbed days	March 2002
aa	- hemispheric N, S, daily values and planetary half day and daily values	March 2002
	- musical diagram of aa (latest values)	March up to 19 th May 2002
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	March 2002
am, Km	- three hour indices values musical diagram of Km	March 2002
Am, ΣKm	- daily values	March 2002
Ap, ΣKp	- daily values	March 2002
	- monthly tables of hourly indices	March 2002
Dst	- monthly tables of hourly indices	January 2002

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PRELIMINARY REPORT ON RAPID VARIATIONS

MARCH 2002

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

18 13 22 A: NUR VAL* HRB* NAG* SPT* GUI* ETT
 B: SOD* NGK* BDV* EBR* QTA HYB GNA CNB LIV
 C: GCK*
 20 13 28 A: VAL*
 B: NUR* CLF* NAG* SPT* HYB GNA CNB
 C: NGK* BDV* ETT
 23 11 37 A: VAL CLF* HRB* GUI
 B: NUR* NGK* BDV* MMB EBR* SPT* KAK KNY HYB ETT
 GNA CNB LIV*
 C: GCK*
 29 22 37 A: VAL CLF HRB
 B: BDV EBR SPT GUI ETT LIV*
 C: NGK NAG GCK* QTA

11 0430-0530 VAL
 13 0723-0745 HYB ETT
 13 1231-1322 GUI
 14 0142-0230 MMB KAK KNY
 17 1017-1029 BDV+
 18 1144-1215 NGK BDV
 26 2157-2250 VAL
 31 1950-2055 VAL

REPORTING OBSERVATORIES (up to the 3rd of May 2002) :

SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR SPT KAK KNY QTA GUI HYB ETT GNA CNB LIV

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

March 2002

17 28 14 16 27

24 5 31 30 19*

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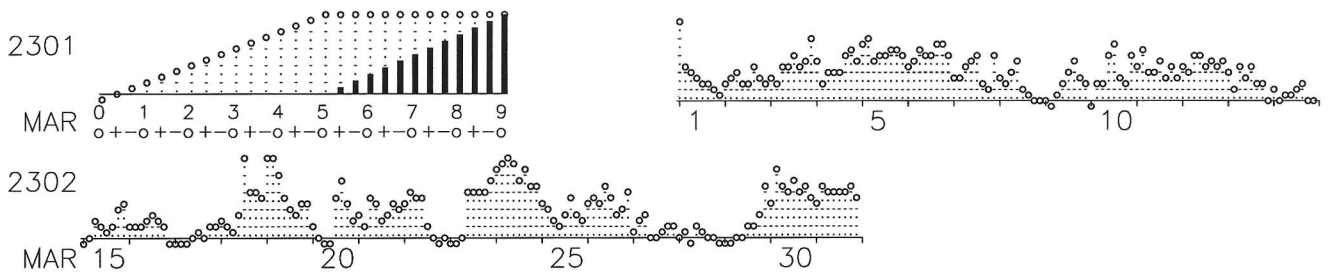
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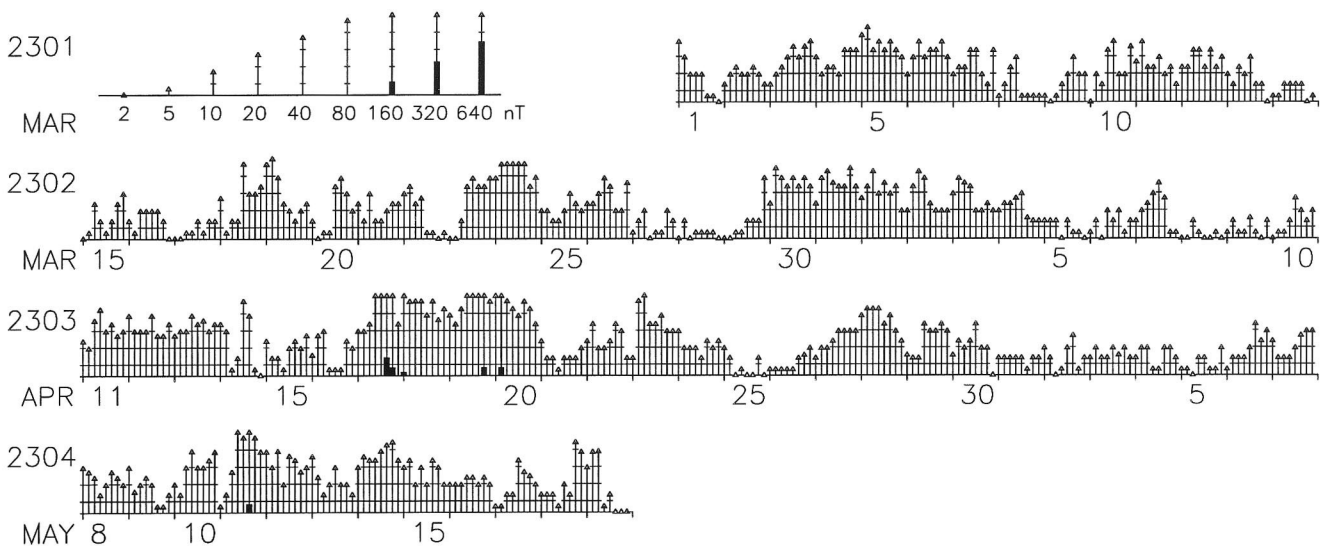
Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

MARCH 2002					Geomagnetic Indices (provisional)									Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Daily Average and Sum			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	17	12	23	6	15		88 5o	19 2+	16 2o	12 2-	9 1+	8 1+	7 1o	4 1-	20	15+	10	14+
2	12	12	12	12	12	CC	10 1+	12 2-	16 2o	9 1+	10 1+	19 2+	12 2-	10 1+	12	13o	6	12-
3	26	25	15	36	26		13 2-	10 1+	18 2+	20 2+	27 3o	20 2+	21 3-	51 4o	23	20-	11	19+
4	24	20	17	27	22		25 3-	10 1+	14 2o	14 2o	16 2o	33 3o	36 3+	23 3-	21	19o	10	19o
5	45	43	54	33	44		44 4-	52 4o	25 3-	30 3o	33 3o	34 3+	36 3+	28 3o	35	26o	21	28o
6	34	25	26	33	30		17 2+	26 3-	39 3+	29 3o	27 3o	42 4-	41 4-	27 3o	31	25-	17	25+
7	21	19	19	21	20		12 2-	12 2-	18 2+	24 3-	31 3o	10 1+	7 1o	27 3o	18	17-	9	17o
8	9	9	13	5	9	CK	11 2-	9 1+	16 2o	22 3-	7 1o	4 1-	2 0+	3 0+	9	10o	4	8+
9	12	8	5	15	10	CK	3 0+	0 0o	4 1-	10 1+	14 2o	24 3-	12 2-	8 1+	9	10o	5	9+
10	21	19	14	27	20		1 0o	9 1+	8 1+	30 3o	47 4-	11 2-	10 1+	32 3o	19	15+	9	14+
11	22	17	24	15	20		17 2+	37 3+	14 2o	14 2o	21 3-	12 2-	18 2+	11 2-	18	18o	10	18-
12	24	22	24	22	23		17 2+	16 2o	29 3o	27 3o	20 2+	22 3-	19 2+	25 3-	22	20+	11	20o
13	12	10	12	11	11	CK	15 2o	6 1o	17 2+	11 2-	19 2+	9 1+	8 1+	2 0+	11	12+	5	10o
14	5	7	7	6	6	CC*	6 1o	2 0+	4 1-	5 1-	6 1o	8 1+	3 0+	2 0+	5	6-	3	5-
15	9	12	8	13	11	CC	1 0o	3 0+	10 1+	7 1o	4 1-	6 1o	15 2o	20 2+	8	9-	5	9o
16	7	10	9	9	9	CC*	7 1o	6 1o	6 1o	9 1+	12 2-	9 1+	6 1o	0 0o	7	8+	3	6+
17	6	5	4	7	5	CC*	0 0o	1 0o	1 0o	2 0+	5 1-	2 0+	7 1o	6 1o	3	3+	2	3o
18	25	25	10	40	25		10 1+	7 1o	4 1-	11 2-	87 5o	27 3o	31 3o	26 3-	25	18+	14	19o
19	37	36	61	12	37		90 5o	92 5o	60 4o	24 3-	16 2o	13 2-	18 2+	19 2+	42	25o	19	21+
20	19	14	5	28	17		7 1o	2 0+	1 0o	1 0o	23 3-	43 4-	18 2+	10 1+	13	11+	9	13+
21	15	12	14	13	14	C	11 2-	6 1o	21 3-	17 2+	8 1+	13 2-	19 2+	15 2o	14	15o	7	14+
22	13	14	23	4	14	K	20 2+	31 3o	24 3-	22 3-	7 1o	3 0+	0 0o	3 0+	14	12+	6	12-
23	28	22	11	39	25		1 0o	1 0o	3 0+	28 3o	28 3o	31 3o	27 3o	41 4-	20	16o	13	18+
24	57	75	72	60	66		68 4+	74 5-	95 5o	76 5-	49 4-	67 4+	35 3+	37 3+	63	33+	45	37+
25	16	10	10	16	13	C	17 2+	14 2o	9 1+	6 1o	12 2-	21 3-	13 2-	9 1+	13	14o	7	14-
26	29	19	25	23	24		17 2+	22 3-	19 2+	38 3+	21 3-	12 2-	14 2o	29 3o	22	20o	11	20+
27	7	7	7	8	7	CK	4 1-	9 1+	12 2-	2 0+	3 0+	5 1-	6 1o	6 1o	6	7o	4	7o
28	4	5	4	4	4	CC*	2 0+	4 1-	0o	6 1o	4 1-	2 0+	2 0+	1 0o	3	3+	2	4+
29	13	8	4	17	10	K	0 0o	1 0o	2 0+	3 0+	6 1o	6 1o	11 2-	36 3+	8	8-	5	8o
30	40	39	40	39	39		19 2+	62 4+	35 3+	31 3o	48 4-	27 3o	38 3+	22 3-	35	26-	20	27o
31	48	32	39	41	40		18 2+	34 3+	33 3o	33 3o	29 3o	28 3o	39 3+	26 3-	30	24-	20	27+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAR 2002
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

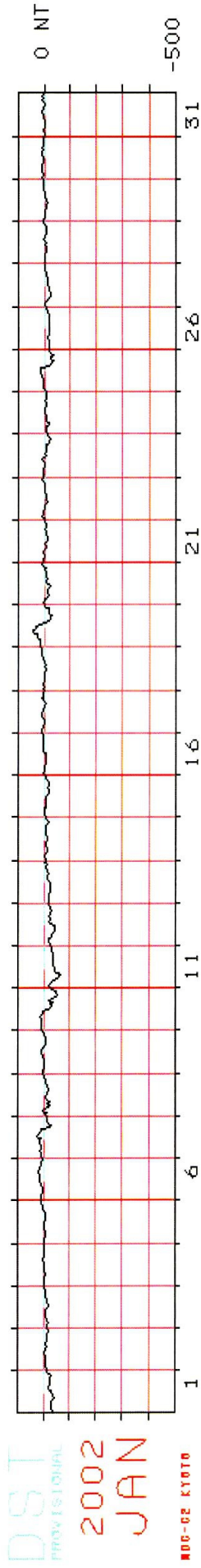


ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAR-MAY 2002
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - January 2002 -

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	-36	-35	-32	-32	-31	-29	-32	-37	-41	-37	-35	-32	-28	-22	-21	-23	-25	-25	-26	-26	-29	-23	-15	-15
2	-13	-11	-8	-7	-9	-11	-11	-10	-8	-3	-5	-8	-11	-15	-11	-8	-12	-14	-16	-15	-16	-17	-17	-16
3	-16	-16	-17	-15	-12	-10	-7	-7	-8	-10	-14	-17	-17	-15	-13	-13	-13	-10	-8	-7	-7	-6	-5	-5
4	-3	-2	0	-2	-5	-6	-6	-3	-3	-3	-3	-1	0	2	2	0	-1	-1	-1	0	0	0	-1	-2
5	-3	-5	-5	-7	-6	-7	-6	-5	-3	-2	-3	-3	-6	-11	-9	-8	-7	-2	2	4	5	6	7	6
6	7	10	6	3	4	4	3	4	6	9	14	16	15	16	16	21	20	13	12	11	10	9	5	3
7	8	10	11	14	9	8	9	13	14	13	11	18	23	18	15	11	6	-13	-31	-20	-16	-15	-13	-12
8	-10	-13	2	-3	-16	-23	-13	-27	-15	-7	-11	-13	-15	-19	-22	-15	-12	-11	-9	-7	-6	-3	-1	1
9	3	1	0	0	-1	-1	-1	0	4	5	7	7	8	4	-2	-6	-6	-10	-8	-6	-3	-1	2	6
10	10	11	7	6	8	7	10	14	10	3	2	-8	-26	-33	-23	-35	-21	-28	-42	-51	-46	-48	-37	-26
11	-17	-25	-31	-34	-48	-61	-65	-54	-56	-43	-44	-40	-36	-35	-36	-36	-37	-35	-35	-36	-33	-33	-30	-26
12	-23	-21	-18	-21	-28	-31	-36	-41	-41	-44	-39	-28	-21	-23	-24	-24	-22	-23	-27	-28	-23	-24	-22	-22
13	-18	-17	-18	-19	-22	-24	-23	-24	-25	-25	-23	-19	-13	-14	-15	-20	-14	-12	-11	-11	-12	-8	-5	-7
14	-6	-2	-4	-9	-14	-14	-14	-10	-11	-11	-12	-12	-13	-11	-9	-9	-10	-8	-10	-15	-18	-12	-10	-8
15	-3	-3	-3	-3	-5	-10	-9	-8	-7	-7	-6	-10	-13	-17	-18	-18	-15	-17	-19	-17	-15	-10	-6	-2
16	1	0	-1	-1	-4	-7	-10	-10	-8	-9	-10	-8	-1	3	1	3	4	3	3	3	1	1	3	7
17	10	6	2	2	-3	-4	-1	4	7	9	7	5	5	-2	-3	-10	-4	4	6	3	4	5	2	-2
18	1	0	3	2	-2	-4	-3	-4	-5	-5	-6	-7	-5	-7	-5	-3	2	3	6	8	7	9	11	13
19	16	14	14	15	14	23	25	26	43	41	29	29	22	3	-16	-26	-25	-28	-18	-17	-18	-19	-5	0
20	1	-1	-3	-13	-17	-14	-12	-13	-17	-22	-23	-17	-8	-9	-12	-11	-8	-7	-6	-5	-6	5	7	1
21	2	4	-2	-1	5	3	-2	-6	-6	-5	-10	-14	-15	-14	-10	-11	-9	-7	-5	-7	-10	-6	-5	-4
22	0	6	4	4	2	-4	-2	-3	-9	-15	-11	-8	-8	-7	-3	-5	-4	-1	-1	0	4	7	4	2
23	4	2	1	1	1	0	-1	-1	5	9	1	-11	-5	-7	-10	-9	-8	-11	-17	-20	-23	-17	-14	-14
24	-11	-9	-9	-11	-18	-19	-12	-10	-8	-8	-6	-3	0	0	-3	-7	-9	-7	-5	-6	-8	-8	-6	-7
25	-3	1	1	4	5	4	4	6	11	13	16	16	12	10	-8	-23	-33	-37	-27	-26	-34	-25	-19	-18
26	-20	-18	-21	-22	-18	-16	-16	-18	-20	-22	-18	-21	-21	-20	-19	-21	-19	-19	-18	-13	-14	-15	-10	-8
27	-4	-5	-10	-15	-21	-25	-24	-24	-22	-22	-19	-16	-14	-12	-13	-12	-9	-10	-10	-5	-3	-4	-1	-1
28	-2	-3	-2	0	-1	-4	-7	-9	-9	-8	-5	-8	-1	3	0	-1	-6	-8	-7	-8	-6	-1	1	2
29	3	0	-1	0	-2	-4	-6	-8	-9	-15	-15	-10	-7	-4	-4	-4	0	2	2	1	1	1	2	5
30	6	4	4	9	10	10	9	7	5	5	5	8	10	7	5	7	6	6	5	2	3	4	5	5
31	0	0	3	5	-3	-3	-3	-2	-1	1	3	5	8	6	3	1	0	0	5	7	3	9	5	-3



DST
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