

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	April 2011
Classification of days	- five international quietest days and most disturbed days	April 2011
aa	- hemispheric N, S, daily values and planetary half day and daily values	April 2011
	- musical diagram of aa (latest values)	April 2011 up to 19 June 2011
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	April 2011
am, Km	- three hour indices values musical diagram of Km	April 2011
Am, ΣKm	- daily values	April 2011
Ap, ΣKp	- daily values	April 2011
	- monthly tables of hourly indices	April 2011

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

APRIL 2011

SSC - Storm Sudden Commencements		SFE - Solar Flare Effects	
01 16 28	B: NAG* GUI* C: NGK* VAL* DOU BDV* GCK SPT		
06 09 33	A: NUR NAG* B: SOD* LER* ESK* NGK* HAD* DOU BDV* HRB MMB* GNA CNB C: VAL* EBR SPT KAK* KNY*	15	1111-1123 NAG
15 11 10	C: NGK* BDV* SPT* GUI		
18 06 52	A: NAG* SPT* GNA CNB B: LER* ESK* HAD* DOU GUI LIV C: NGK* BDV* GCK EBR		
19 21 10	A: NAG* GUI B: NUR NGK* BDV* HRB GNA* C: SOD* VAL* GCK EBR* CNB LIV* SI: LER* ESK* HAD*		

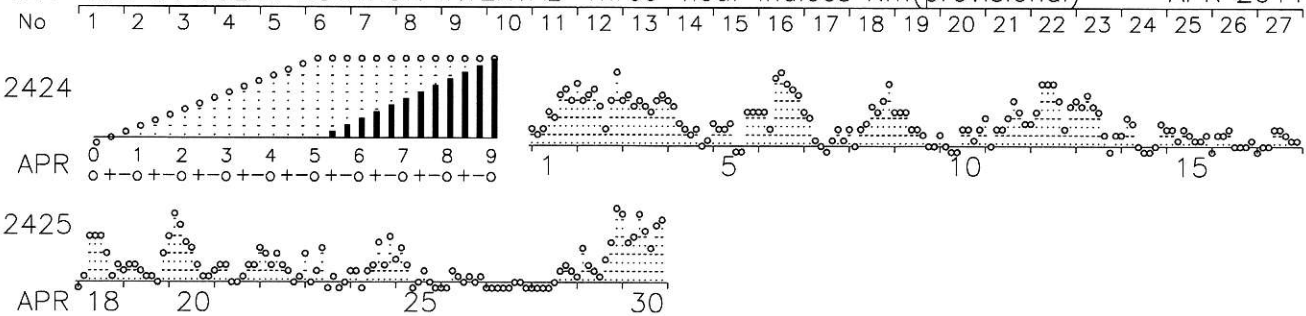
REPORTING OBSERVATORIES (up to 01-06-2011) :

SOD NUR LER ESK NGK VAL HAD DOU BDV HRB NAG GCK MMB EBR SPT KAK KNY
 GUI GNA CNB LIV

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
April 2011	27	26	10	28	16	30	6	12	2	20*

APRIL 2011						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am Σ Km Ap Σ Kp			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	20	22	12	30	21		8 1+	6 1o	9 1+	17 2+	15 2o	39 3+	50 4-	31 3o	22	18o	12	19-
2	48	29	40	37	39		59 4o	29 3o	35 3+	42 4-	23 3-	10 1+	31 3o	72 5-	38	26-	20	27o
3	30	32	32	31	31		31 3o	35 3+	26 3-	29 3o	23 3-	19 2+	33 3o	40 3+	30	23+	16	25o
4	15	11	18	8	13	K	33 3o	22 3-	13 2-	10 1+	6 1o	9 1+	3 0+	5 1-	13	12o	7	12o
5	13	11	11	13	12	C	13 2-	10 1+	8 1+	12 2-	1 0o	1 0o	18 2+	17 2+	10	11-	6	12-
6	52	36	27	61	44		19 2+	18 2+	10 1+	61 4+	79 5-	59 4o	46 4-	38 3+	41	26o	26	29-
7	10	6	11	4	8	C	19 2+	14 2o	5 1-	2 0+	1 0o	4 1-	8 1+	4 1-	7	8o	5	9-
8	23	19	9	33	21		10 1+	2 0+	9 1+	12 2-	23 3-	17 2+	27 3o	54 4o	19	17-	10	17o
9	12	10	16	6	11	C	19 2+	18 2+	19 2+	9 1+	8 1+	6 1o	2 0+	2 0+	10	11+	6	12-
10	7	6	4	9	6	CC*	7 1o	2 0+	1 0o	0 0o	8 1+	8 1+	4 1-	10 1+	5	6o	2	5-
11	15	10	8	18	13	K	14 2o	2 0+	9 1+	10 1+	16 2o	27 3o	17 2+	11 2-	13	14o	7	14o
12	41	34	34	40	37		13 2-	17 2+	60 4o	54 4o	51 4o	33 3o	9 1+	26 3-	33	23o	23	27+
13	20	18	28	10	19		29 3o	26 3-	37 3+	26 3-	17 2+	6 1o	1 0o	6 1o	19	16o	12	19-
14	7	6	8	5	6	CC	6 1o	14 2o	12 2-	2 0+	1 0o	1 0o	2 0+	13 2-	6	7o	4	8o
15	8	5	7	7	7	CC	9 1+	10 1+	4 1-	10 1+	7 1o	5 1-	5 1-	6 1o	7	8o	4	9-
16	7	6	8	6	7	CC*	1 0o	7 1o	7 1o	8 1+	3 0+	3 0+	2 0+	5 1-	5	5o	3	6o
17	6	8	5	9	7	CK	1 0o	3 0+	2 0+	9 1+	10 1+	6 1o	4 1-	4 1-	5	6-	3	6+
18	18	19	18	19	19	K	1 0o	5 1-	28 3o	30 3o	29 3o	16 2o	4 1-	10 1+	15	14-	9	15o
19	11	6	7	10	8	C	6 1o	9 1+	8 1+	6 1o	5 1-	4 1-	3 0+	15 2o	7	8+	4	9-
20	32	21	42	12	27		28 3o	63 4+	42 4-	23 3-	18 2+	10 1+	4 1-	5 1-	24	19-	16	20+
21	9	6	7	8	7	CC	6 1o	9 1+	8 1+	3 0+	2 0+	5 1-	8 1+	10 1+	6	8-	4	9-
22	10	11	13	8	10	CC	17 2+	15 2o	8 1+	15 2o	8 1+	7 1o	2 0+	5 1-	10	11o	5	11+
23	7	9	10	6	8	CC	14 2o	2 0+	6 1o	20 2+	1 0o	5 1-	1 0o	3 0+	7	7-	3	6+
24	12	11	7	17	12	KC	6 1o	6 1o	1 0o	6 1o	8 1+	21 3-	9 1+	27 3o	11	11+	6	11+
25	9	5	8	6	7	CC	12 2-	20 2+	8 1+	1 0o	3 0+	7 1o	3 0+	1 0o	7	7o	4	8-
26	6	4	4	5	5	CC*	1 0o	1 0o	7 1o	5 1-	2 0+	4 1-	3 0+	4 1-	3	4-	2	3o
27	4	3	2	4	3	CC*	1 0o	1 0o	1 0o	1 0o	1 0o	3 0+	3 0+	0 0o	1	1-	1	2-
28	4	5	2	7	4	CC*	0 0o	0 0o	1 0o	1 0o	2 0+	6 1o	8 1+	7 1o	3	4-	2	5-
29	25	17	8	34	21		5 1-	18 2+	10 1+	6 1o	4 1-	13 2-	26 3-	75 5-	20	15o	12	16o
30	52	44	52	43	48		62 4+	25 3-	30 3o	65 4+	39 3+	20 2+	41 4-	53 4o	42	28-	26	31o

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) APR 2011



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) APR-JUN 2011

