

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°10-12 - Octobre 2012
ISGI Publications Office Monthly Bulletin n°10-12- October 2012

C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	October 2012
Classification of days	- five international quietest days and most disturbed days	October 2012
aa	- hemispheric N, S, daily values and planetary half day and daily values	October 2012
	- musical diagram of aa (latest values)	Oct. 2012 up to 16 Dec. 2012
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	October 2012
am, Km	- three hour indices values musical diagram of Km	October 2012
Am, ΣKm	- daily values	October 2012
Ap, ΣKp	- daily values	October 2012
	- monthly tables of hourly indices	October 2012

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

OCTOBER 2012

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

08 05 16 A: DOU NAG GUI GNA
B: NUR LER* ESK* VAL* HAD* CNB
C: NGK* BDV* GCK MMB* EBR* SPT* KAK
KNY

31 15 39 A: NUR LER* ESK* HAD* DOU NAG* GNA
B: NGK* BDV* MMB EBR KAK KNY
C: VAL* GCK GUI*

01 1347-1402 GUI
12 2025-2037 GUI
16 0718-0725 GUI
23 0315-0350 MMB KAK KNY

REPORTING OBSERVATORIES (up to 04-12-2012):

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

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

October 2012

20 4 29 30 22

13 9 8 1 14

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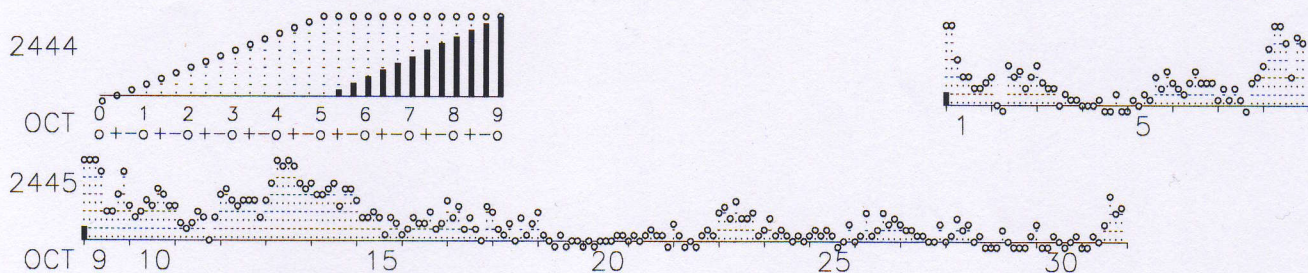
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OCTOBER 2012						Geomagnetic Indices <i>(provisional)</i>									Daily Average and Sum			
	aa					quiet days	am and <i>Km</i> for each three hour interval								and Sum			
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	35	29	53	11	32		132 6-	88 5o	32 3o	16 2o	14 2o	8 1+	8 1+	11 2-	39	22o	32	24+
2	11	16	13	14	13	CC	15 2o	2 0+	1 0o	23 3-	16 2o	17 2+	10 1+	14 2o	12	13-	5	11-
3	10	13	15	8	12	CC	24 3-	12 2-	9 1+	8 1+	3 0+	6 1o	5 1-	4 1-	9	10-	5	10o
4	3	5	5	2	4	CC *	3 0+	3 0+	3 0+	4 1-	1 0o	0 0o	7 1o	0 0o	3	3-	1	2o
5	10	9	5	13	9	CC	1 0o	5 1-	3 0+	6 1o	5 1-	14 2o	9 1+	18 2+	8	8+	4	7+
6	19	15	12	22	17		13 2-	8 1+	6 1o	13 2-	19 2+	12 2-	11 2-	12 2-	12	13o	6	13+
7	10	8	8	10	9	C	4 1-	8 1+	4 1-	10 1+	4 1-	1 0o	13 2-	15 2o	7	8+	5	9+
8	66	50	61	55	58		23 3-	44 4-	100 5o	97 5o	52 4o	16 2o	67 4+	56 4o	57	31-	40	35-
9	52	58	77	33	55		137 6-	100 5o	90 5o	64 4+	15 2o	15 2o	28 3o	63 4+	64	31+	46	34+
10	28	27	24	32	28		18 2+	12 2-	15 2o	24 3-	18 2+	36 3+	31 3o	18 2+	22	20-	11	20o
11	15	9	11	12	12	C	17 2+	8 1+	6 1o	9 1+	15 2o	12 2-	3 0+	12 2-	10	12-	6	13-
12	21	29	26	24	25		31 3o	35 3+	21 3-	17 2+	23 3-	25 3-	22 3-	11 2-	23	21o	13	21o
13	66	62	58	70	64		22 3-	46 4-	87 5o	85 5-	92 5o	75 5-	47 4-	35 3+	61	33-	47	39-
14	41	31	31	40	36		47 4-	28 3o	33 3o	39 3+	44 4-	18 2+	36 3+	38 3+	35	26-	21	28+
15	17	13	19	11	15		25 3-	12 2-	13 2-	16 2o	11 2-	5 1-	12 2-	8 1+	13	13+	9	16o
16	9	11	9	11	10	CC	5 1-	7 1o	13 2-	9 1+	10 1+	14 2o	6 1o	8 1+	9	10+	5	11o
17	13	15	15	13	14	C	21 3-	11 2-	18 2+	6 1o	11 2-	6 1o	3 0+	20 2+	12	13o	7	13+
18	11	9	11	8	10	CC	15 2o	7 1o	4 1-	9 1+	3 0+	13 2-	5 1-	8 1+	8	9o	5	10-
19	5	5	6	4	5	CC	16 2o	5 1-	2 0+	1 0o	4 1-	1 0o	2 0+	3 0+	4	4+	3	5-
20	2	3	2	3	2	CC *	0 0o	2 0+	1 0o	3 0+	3 0+	2 0+	5 1-	4 1-	3	3-	2	2+
21	5	5	7	4	5	CC	3 0+	4 1-	3 0+	5 1-	6 1o	4 1-	4 1-	1 0o	4	4+	3	5+
22	5	3	4	4	4	CC *	8 1+	4 1-	1 0o	2 0+	1 0o	5 1-	6 1o	4 1-	4	5-	2	4o
23	12	21	19	14	17	K	15 2o	20 2+	11 2-	23 3-	12 2-	13 2-	16 2o	4 1-	14	15-	7	14+
24	5	5	6	4	5	CC	7 1o	11 2-	5 1-	7 1o	4 1-	3 0+	4 1-	2 0+	5	6+	3	6+
25	8	6	6	7	7	CC	5 1-	6 1o	5 1-	6 1o	5 1-	1 0o	2 0+	10 1+	5	6-	3	6-
26	8	9	7	11	9	CC	2 0+	4 1-	14 2o	5 1-	6 1o	15 2o	8 1+	12 2-	8	10-	4	8o
27	5	8	7	6	6	CC	8 1+	7 1o	7 1o	5 1-	4 1-	2 0+	3 0+	8 1+	6	7-	3	6+
28	6	8	7	6	7	CC	2 0+	4 1-	11 2-	7 1o	10 1+	2 0+	5 1-	1 0o	5	6o	3	5o
29	5	3	4	4	4	CC *	1 0o	1 0o	7 1o	3 0+	1 0o	0 0o	0 0o	5 1-	2	2o	2	3+
30	5	4	5	3	4	CC *	9 1+	1 0o	1 0o	4 1-	2 0+	0 0o	2 0+	4 1-	3	3+	2	3o
31	11	12	4	19	11	K	1 0o	1 0o	4 1-	3 0+	9 1+	28 3o	15 2o	19 2+	10	10-	5	9-

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) OCT 2012



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 2012

