

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°09-09 - Septembre 2009
 ISGI Publications Office Monthly Bulletin n°09-09- September 2009

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	September 2009
Classification of days	- five international quietest days and most disturbed days	September 2009
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 2009
	- musical diagram of aa (latest values)	September up to 22 Nov. 2009
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 2009
am, Km	- three hour indices values musical diagram of Km	September 2009
Am, ΣKm	- daily values	September 2009
Ap, ΣKp	- daily values	September 2009
	- monthly tables of hourly indices	September 2009

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		SEPTEMBER 2009
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
03 15 52	A: VAL DOU NAG GUI* GNA CNB B: NUR LER* ESK* NGK* HAD* HYB C: BDV* GCK* EBR*	06 1119-1138 NAG GUI 10 1203-1216 GUI
28 06 49	A: GNA* CNB* B: LER* ESK* HAD* C: DOU GCK	

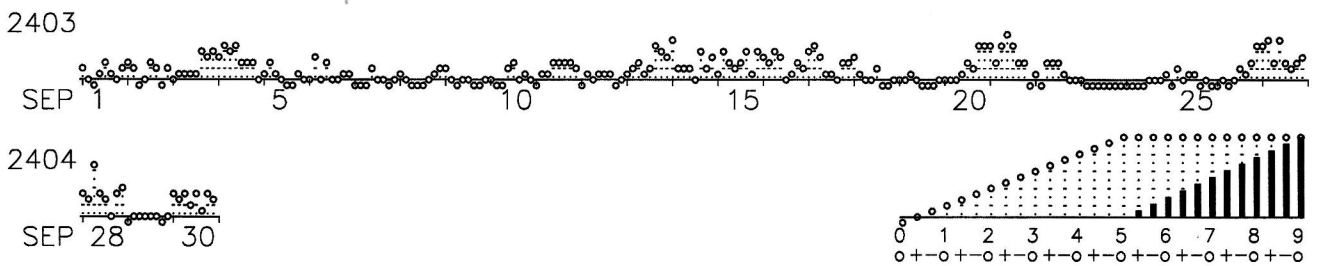
REPORTING OBSERVATORIES (up to 02/11/2009) :

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

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
September	23	29	24	19	25	28*	21*	4*	17*	27*

SEPTEMBER 2009 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				
1	6	6	5	8	6	CC	6 1o	2 0+	1 0o	5 1-	8 1+	4 1-	3 0+	6 1o	4	5+	3	6-
2	7	5	5	7	6	CC	9 1+	6 1o	1 0o	2 0+	8 1+	6 1o	1 0o	6 1o	5	6o	3	6-
3	13	7	5	15	10	CC	3 0+	4 1-	5 1-	4 1-	4 1-	16 2o	13 2-	14 2o	8	9-	5	10-
4	15	13	18	10	14	C	13 2-	18 2+	16 2o	17 2+	9 1+	9 1+	8 1+	3 0+	12	13-	6	13+
5	6	3	6	4	5	CC	5 1-	8 1+	4 1-	3 0+	0 0o	1 0o	4 1-	2 0+	3	4o	2	4+
6	8	7	9	5	7	CC	2 0+	12 2-	2 0+	10 1+	3 0+	3 0+	5 1-	4 1-	5	6-	3	7-
7	4	4	4	4	4	CC	1 0o	1 0o	1 0o	6 1o	3 0+	3 0+	1 0o	3 0+	2	2o	2	4o
8	5	2	3	4	4	CC	5 1-	2 0+	1 0o	1 0o	1 0o	3 0+	4 1-	7 1o	3	3o	2	3+
9	7	3	5	5	5	CC	7 1o	3 0+	1 0o	2 0+	2 0+	1 0o	1 0o	2 0+	2	2+	2	4-
10	7	4	4	6	5	CC	3 0+	1 0o	1 0o	6 1o	9 1+	2 0+	4 1-	3 0+	4	4o	2	4o
11	7	10	7	10	9	CC	1 0o	5 1-	4 1-	8 1+	10 1+	10 1+	9 1+	6 1o	7	8-	3	6+
12	4	5	4	6	5	CC	1 0o	4 1-	3 0+	4 1-	4 1-	4 1-	1 0o	3 0+	3	4+	2	4-
13	12	9	7	15	11	CC	5 1-	7 1o	8 1+	4 1-	7 1o	17 2+	16 2o	12 2-	10	11-	5	10+
14	13	9	11	10	11	CC	25 3-	7 1o	7 1o	7 1o	3 0+	14 2o	7 1o	11 2-	10	11-	6	10+
15	11	10	8	13	11	CC	4 1-	14 2o	10 1+	6 1o	10 1+	14 2o	4 1-	14 2o	10	11o	5	10+
16	9	14	16	7	11	CC	13 2-	8 1+	16 2o	11 2-	2 0+	4 1-	8 1+	6 1o	9	10o	4	9+
17	14	7	13	9	11	CC	14 2o	20 2+	11 2-	5 1-	4 1-	3 0+	9 1+	8 1+	9	10+	7	12+
18	7	4	7	4	5	CC	12 2-	5 1-	2 0+	3 0+	6 1o	1 0o	1 0o	3 0+	4	4+	2	4+
19	2	2	2	2	2	CC*	2 0+	2 0+	4 1-	3 0+	0 0o	1 0o	1 0o	2 0+	2	2o	2	3-
20	13	7	3	16	10	KK	2 0+	2 0+	2 0+	5 1-	10 1+	6 1o	19 2+	20 2+	8	9-	5	9-
21	13	13	18	9	13	KK	19 2+	9 1+	18 2+	27 3o	17 2+	10 1+	8 1+	1 0o	14	14o	6	13-
22	5	7	7	5	6	CC	5 1-	1 0o	8 1+	8 1+	8 1+	4 1-	2 0+	3 0+	5	6o	3	5o
23	3	2	3	2	2	CC*	2 0+	1 0o	0 0o	0 0o	0 0o	1 0o	1 0o	0 0o	1	0+	0	0+
24	4	3	2	5	4	CC*	0 0o	1 0o	0 0o	1 0o	2 0+	3 0+	3 0+	4 1-	2	2-	1	2o
25	4	4	4	4	4	CC*	1 0o	6 1o	2 0+	4 1-	5 1-	0 0o	2 0+	0 0o	3	3o	2	3-
26	8	6	3	11	7	CC	0 0o	2 0+	1 0o	2 0+	7 1o	4 1-	8 1+	20 2+	6	6o	3	6-
27	16	12	17	11	14		17 2+	26 3-	9 1+	22 3-	9 1+	6 1o	9 1+	11 2-	14	14+	7	13-
28	20	18	27	12	19	K	12 2-	9 1+	40 3+	13 2-	8 1+	3 0+	11 2-	16 2o	14	13+	8	15-
29	3	3	2	4	3	CC*	1 0o	2 0+	2 0+	2 0+	2 0+	3 0+	1 0o	3 0+	2	2o	1	2-
30	11	12	11	12	12	CC	11 2-	9 1+	11 2-	7 1o	13 2-	5 1-	11 2-	10 1+	10	11o	5	10+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) SEP 2009



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 2009

