

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



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ERRATUM :

The aa indices for the period 2009, December 21 to 31 are wong in the musical diagram printed on the ISGI bulletin 12-09 and in the "musical diagram of aa 2009" sent with this bulletin.
 The corrected "musical diagram of aa 2009" is attached to the present bulletin

C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	January 2010
Classification of days	- five international quietest days and most disturbed days	January 2010
aa	- hemispheric N, S, daily values and planetary half day and daily values	January 2010
	- musical diagram of aa (latest values)	Dec 2009 up to 21 March 2010
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	January 2010
am, Km	- three hour indices values musical diagram of Km	January 2010
Am, ΣKm	- daily values	January 2010
Ap, ΣKp	- daily values	January 2010
	- monthly tables of hourly indices	January 2010
Musical diagram of km	- annual graph	January to December 2009
Musical diagram of aa	- annual graph	January to December 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

JANUARY 2010

SSC - Storm Sudden Commencements	SFE - Solar Flare Effects
NONE	NONE

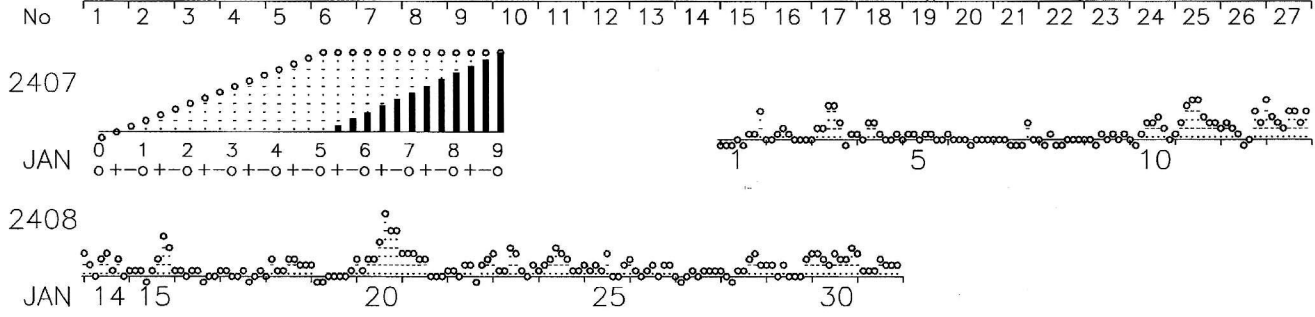
REPORTING OBSERVATORIES (up to 05/03/2010) :

NUR NGK VAL DOU BDV HRB NAG GCK MMB EBR SPT KAK KNY GUI HYB GNA CNB LIV

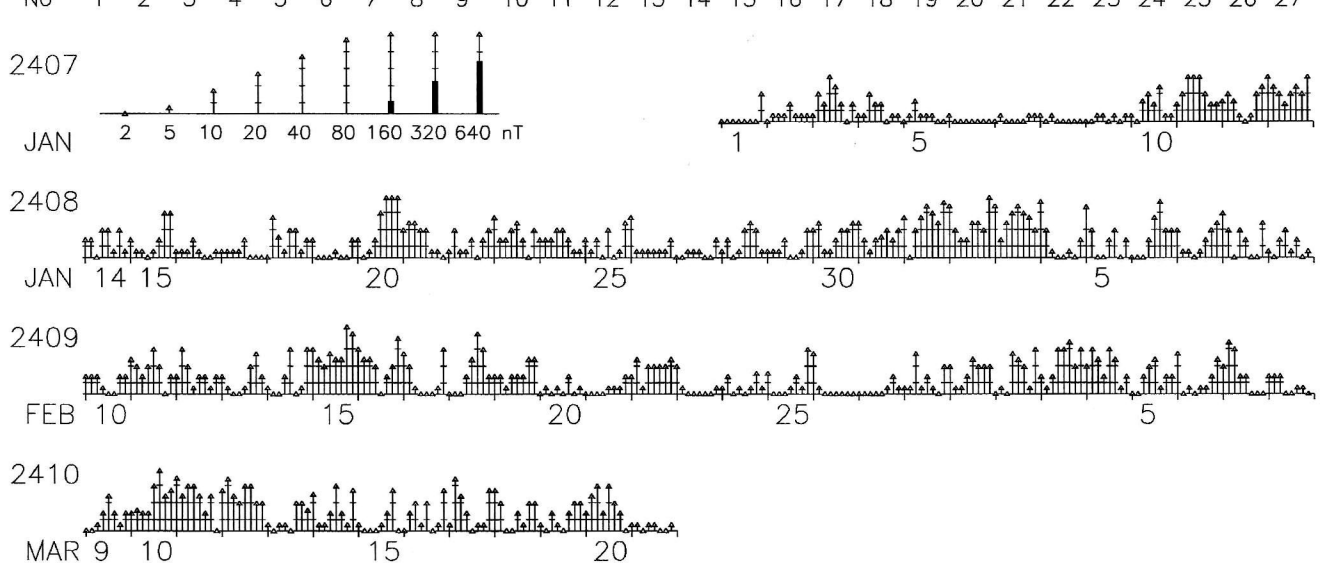
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
January 2010	17	7	9	2	8	20*	13*	11*	21*	30*

JANUARY 2010		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	Σ Kp
1	3	4	2	5	3	CC	1 0o	1 0o	1 0o	2 0+	0 0o	4 1-	4 1-	14 2o	3	4-	0	1o
2	4	7	4	6	5	CC*	3 0+	2 0+	4 1-	6 1o	5 1-	3 0+	3 0+	3 0+	4	4o	1	2-
3	8	12	12	9	10	CC	3 0+	7 1o	6 1o	17 2+	17 2+	8 1+	1 0o	5 1-	8	9o	4	7o
4	4	8	8	5	6	CC	4 1-	2 0+	9 1+	10 1+	4 1-	2 0+	3 0+	5 1-	5	6-	2	3+
5	2	7	5	4	4	CC	3 0+	4 1-	5 1-	3 0+	5 1-	5 1-	2 0+	2 0+	4	4o	1	2o
6	3	2	3	2	2	CC	4 1-	3 0+	3 0+	2 0+	1 0o	2 0+	2 0+	2 0+	2	3-	1	2-
7	2	5	3	4	3	CC*	3 0+	3 0+	2 0+	1 0o	0 0o	0 0o	8 1+	3 0+	3	3-	0	1-
8	3	3	4	2	3	CC*	3 0+	1 0o	4 1-	1 0o	1 0o	2 0+	2 0+	2 0+	2	2o	1	1+
9	2	5	4	4	4	CC*	3 0+	2 0+	1 0o	4 1-	2 0+	4 1-	2 0+	5 1-	3	3+	1	1+
10	5	10	7	9	8	CC	3 0+	1 0o	5 1-	8 1+	10 1+	13 2-	7 1o	3 0+	6	7-	3	5+
11	11	19	17	13	15	K	5 1-	9 1+	20 2+	22 3-	22 3-	13 2-	10 1+	8 1+	14	14o	6	13o
12	8	10	9	9	9	CC	6 1o	10 1+	7 1o	5 1-	1 0o	3 0+	14 2o	9 1+	7	8-	4	8-
13	17	14	15	16	16	C	23 3-	13 2-	9 1+	7 1o	14 2o	14 2o	8 1+	15 2o	13	14o	7	14-
14	8	8	8	9	8	CC	13 2-	7 1o	2 0+	10 1+	13 2-	5 1-	9 1+	3 0+	8	8+	4	9-
15	12	9	5	15	10	KC	4 1-	5 1-	5 1-	1 0o	4 1-	9 1+	21 3-	16 2o	8	9-	4	8-
16	4	6	6	4	5	CC	5 1-	4 1-	3 0+	5 1-	5 1-	1 0o	2 0+	3 0+	4	4-	1	2-
17	4	5	5	4	4	CC*	4 1-	4 1-	3 0+	2 0+	4 1-	1 0o	2 0+	4 1-	3	4-	1	1o
18	6	13	9	9	9	CC	3 0+	10 1+	5 1-	4 1-	8 1+	10 1+	6 1o	7 1o	7	8-	3	5o
19	4	4	4	4	4	CC	7 1o	1 0o	1 0o	3 0+	3 0+	3 0+	2 0+	5 1-	3	3o	1	2-
20	27	19	6	40	23		8 1+	4 1-	9 1+	9 1+	19 2+	52 4o	32 3o	30 3o	20	17o	12	17-
21	9	11	14	6	10	C	12 2-	13 2-	12 2-	10 1+	10 1+	3 0+	2 0+	3 0+	8	9-	5	10-
22	8	7	7	8	7	CC	5 1-	5 1-	2 0+	7 1o	7 1o	1 0o	6 1o	9 1+	5	6o	3	6o
23	12	9	12	10	11	CC	11 2-	5 1-	5 1-	15 2o	13 2-	5 1-	3 0+	7 1o	8	9-	5	10o
24	8	9	9	8	8	CC	5 1-	6 1o	9 1+	15 2o	12 2-	8 1+	5 1-	5 1-	8	9+	4	9-
25	6	9	6	9	7	CC	6 1o	4 1-	7 1o	4 1-	11 2-	3 0+	3 0+	6 1o	6	7-	3	6o
26	10	5	9	6	7	CC	8 1+	4 1-	3 0+	4 1-	6 1o	3 0+	6 1o	6 1o	5	6+	3	6o
27	4	5	4	4	4	CC	2 0+	1 0o	2 0+	5 1-	3 0+	4 1-	4 1-	4 1-	3	4-	1	1+
28	9	7	5	11	8	CC	5 1-	3 0+	1 0o	5 1-	5 1-	8 1+	13 2-	6 1o	6	6+	3	6-
29	4	7	6	5	6	CC	6 1o	6 1o	3 0+	7 1o	3 0+	3 0+	3 0+	10 1+	5	6-	1	2+
30	10	11	10	12	11	CC	13 2-	11 2-	8 1+	7 1o	11 2-	9 1+	10 1+	14 2o	10	12o	5	11-
31	7	12	9	10	10	CC	11 2-	5 1-	5 1-	5 1-	8 1+	6 1o	6 1o	6 1o	7	8o	4	8+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) JAN 2010



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 2010



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PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF aa 2009

