

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



Bureau des Publications SIIG - Bulletin Mensuel n°03-09 - Septembre 2003
ISGI Publications Office Monthly Bulletin n°03 - 09 - September 2003

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	September 2003
Classification of days	- five international quietest days and most disturbed days	September 2003
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 2003
	- musical diagram of aa (latest values)	September up to 16 Nov 2003
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 2003
am, Km	- three hour indices values musical diagram of Km	September 2003
Am, ΣKm	- daily values	September 2003
Ap, ΣKp	- daily values	September 2003
	- monthly tables of hourly indices	September 2003

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 2003

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

NONE

03 0723-0735 NAG
08 1450-1510 GUI

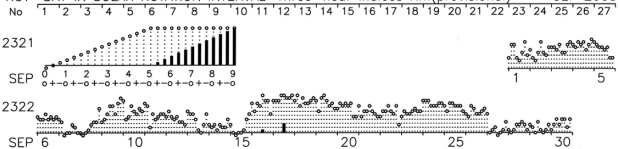
REPORTING OBSERVATORIES (up to 03/11/2003) :

SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI HYB GNA CNB

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
September 2003	28	14	29	7	30	17	18	24	19	16

SEPTEMBER 2003		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	Am	Σ Km	Ap	Σ Kp
1	25	20	22	23	23		11 2-	40 3+	36 3+	11 2-	8 1+	17 2+	44 4-	16 20	23	19+	13	21-
2	22	19	16	25	20		25 3-	11 2-	10 1+	17 2+	50 4-	19 2+	14 20	28 30	22	190	12	200
3	30	28	32	26	29		30 30	28 30	21 3-	38 3+	20 2+	18 2+	36 3+	45 4-	30	24-	15	240
4	40	47	35	52	44		35 3+	32 30	44 4-	39 3+	42 4-	25 3-	40 3+	51 40	39	270	22	29-
5	30	32	39	23	31		42 4-	37 3+	31 30	32 30	22 3-	33 30	11 2-	13 2-	28	220	16	24-
6	20	14	18	16	17		20 2+	14 20	14 20	23 3-	14 20	17 2+	16 20	18 2+	17	18-	8	18-
7	8	6	7	8	7	CC*	16 20	12 2-	1 00	2 0+	3 0+	9 1+	7 10	2 0+	7	70	4	80
8	12	9	4	17	11	K	2 0+	1 00	3 0+	5 1-	10 1+	11 2-	12 2-	34 3+	10	9+	5	100
9	38	41	27	52	40		13 2-	15 20	25 3-	49 4-	43 4-	22 3-	54 40	73 5-	37	250	22	27+
10	40	33	43	30	36		64 4+	14 20	19 2+	50 4-	29 30	26 3-	40 3+	29 30	34	24+	21	27+
11	31	22	28	25	27		51 40	46 4-	7 10	22 3-	15 20	19 2+	21 3-	22 3-	25	210	14	220
12	19	17	22	14	18		20 2+	29 30	20 2+	14 20	17 2+	11 2-	13 2-	10 1+	17	17-	9	18-
13	17	18	23	12	17		30 30	26 3-	22 3-	14 20	4 1-	3 0+	9 1+	21 3-	16	15+	8	14+
14	10	8	8	10	9	CC*	9 1+	6 10	9 1+	4 1-	10 1+	7 10	7 10	16 20	9	10-	4	90
15	13	10	4	19	11	K	8 1+	3 0+	00	2 0+	3 0+	4 1-	15 20	22 3-	7	8-	4	8-
16	48	67	49	67	58		51 40	28 30	57 40	46 4-	107 5+	66 4+	64 4+	22 3-	55	31+	34	34+
17	104	76	77	103	90		68 4+	70 4+	68 4+	96 50	156 60	75 5-	71 5-	89 50	67	38+	70	450
18	79	65	75	70	72		65 4+	88 50	41 4-	84 5-	58 40	56 40	70 4+	75 5-	67	35-	50	40+
19	52	57	60	49	54		63 4+	32 30	74 5-	87 50	63 4+	48 4-	51 40	37 3+	57	32+	39	36+
20	40	44	49	35	42		39 3+	58 40	44 4-	53 40	49 4-	52 40	17 2+	17 2+	41	28-	27	310
21	34	33	33	35	34		42 4-	17 2+	28 30	29 30	43 4-	30 30	26 3-	17 2+	29	24-	18	260
22	35	31	37	29	33		18 2+	29 30	27 30	41 4-	32 30	26 3-	47 4-	9 1+	29	23-	17	24+
23	32	26	25	33	29		18 2+	32 30	24 3-	21 3-	29 30	35 3+	28 30	28 30	27	230	15	23+
24	59	51	63	48	55		63 4+	68 4+	61 4+	43 4-	44 4-	44 4-	53 40	56 40	54	320	41	370
25	54	46	51	49	50		42 4-	33 30	57 40	60 40	50 4-	44 4-	43 4-	30 30	45	29-	28	33-
26	29	29	31	27	29		21 3-	19 2+	42 4-	40 3+	21 3-	24 3-	28 30	35 3+	29	24-	15	240
27	12	6	11	8	9	CK	25 3-	3 0+	4 1-	6 10	1 00	2 0+	5 1-	13 2-	7	7+	6	9+
28	9	7	6	10	8	CC*	4 1-	2 0+	5 1-	10 1+	8 1+	12 2-	8 1+	4 1-	7	80	4	80
29	9	6	8	7	7	CC*	8 1+	7 10	2 0+	12 2-	4 1-	3 0+	4 1-	10 1+	6	7+	4	9-
30	8	12	8	13	10	CC*	4 1-	8 1+	15 20	8 1+	15 20	14 20	6 10	14 20	11	12+	4	9+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) SEP 2003



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 2003

