

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°03-12 - Décembre 2003  
 ISGI Publications Office Monthly Bulletin n°03-12 - December 2003

CONTENTS		
<b>Rapid Variations</b>	- provisional determination of ssc and sfe	December 2003
<b>Classification of days</b>	- five international quietest days and most disturbed days	December 2003
<b>aa</b>	- hemispheric N, S, daily values and planetary half day and daily values	December 2003
<b>Quiet periods</b>	- musical diagram of aa (latest values)	Dec. up to 15 Feb. 2004
	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	December 2003
<b>am, Km</b>	- three hour indices values musical diagram of Km	December 2003
<b>Am, ΣKm</b>	- daily values	December 2003
<b>Ap, ΣKp</b>	- daily values	December 2003
	- monthly tables of hourly indices	December 2003
<b>Musical diagram of km</b>	- annual graph	January to December 2003
<b>Musical diagram of aa</b>	- annual graph	January to December 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		DECEMBER 2003
<b>SSC - Storm Sudden Commencements</b>	<b>SFE - Solar Flare Effects</b>	
None	01 1117-1128 NAG 02 0854-0912 NGK+ 05 0404-0418 GUI 07 1418-1449 GUI 19 0835-0842 NGK+	

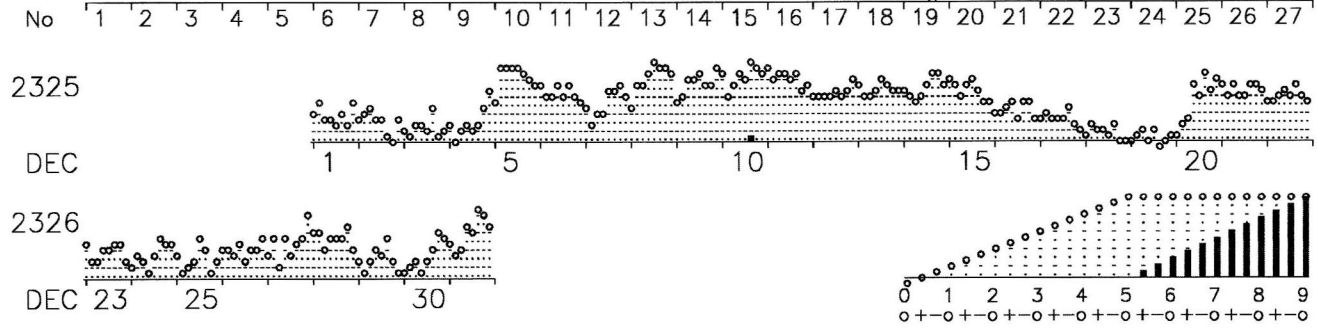
**REPORTING OBSERVATORIES (up to 03/02/2004) :**

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

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
<b>December 2003</b>	19	3	18	25	29K	10	11	5	8	9

DECEMBER 2003		Geomagnetic Indices (provisional)												Daily Average and Sum								
	aa					quiet days	am and Km for each three hour interval								Am		ΣKm		Ap		ΣKp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	ΣKm	Ap	ΣKp				
1	21	13	18	16	17		16 2o	22 3-	13 2-	13 2-	10 1+	14 2o	8 1+	21 3-	15	15+	10	18o				
2	12	16	20	8	14	K	11 2-	15 2o	18 2+	13 2-	11 2-	5 1-	2 0+	11 2-	11	12o	7	13-				
3	9	8	8	9	9	CC *	6 1o	5 1-	9 1+	8 1+	6 1o	18 2+	5 1-	7 1o	8	9+	4	7-				
4	14	11	6	19	13	K	8 1+	3 0+	7 1o	8 1+	7 1o	10 1+	18 2+	34 3+	12	12o	6	11-				
5	53	78	65	67	66		24 3-	73 5-	71 5-	71 5-	84 5-	64 4+	56 4o	50 4-	62	33+	39	36o				
6	44	34	44	33	39		45 4-	27 3o	31 3o	41 4-	27 3o	47 4-	33 3o	24 3-	34	26-	23	29+				
7	30	28	13	46	29		17 2+	10 1+	16 2o	14 2o	36 3+	37 3+	49 4-	33 3o	27	21o	14	22+				
8	68	62	49	80	65		19 2+	46 4-	41 4-	61 4+	87 5o	78 5-	79 5-	63 4+	59	33-	35	35o				
9	54	55	48	61	54		25 3-	30 3o	54 4o	52 4o	63 4+	49 4-	43 4-	71 5-	48	30o	29	33-				
10	73	62	49	86	67		68 4+	28 3o	45 4-	64 4+	59 4o	110 5+	74 5-	68 4+	65	34-	41	37+				
11	69	58	70	57	64		72 5-	56 4o	64 4+	68 4+	60 4o	65 4+	38 3+	47 4-	59	33-	40	37o				
12	52	34	35	51	43		32 3o	31 3o	31 3o	30 3o	40 3+	32 3o	38 3+	58 4o	37	26-	25	31-				
13	52	39	33	58	45		50 4-	32 3o	28 3o	39 3+	57 4o	50 4-	40 3+	37 3+	42	27+	26	31+				
14	54	43	33	63	48		37 3+	27 3o	21 3-	29 3o	49 4-	61 4+	68 4+	47 4-	42	28o	27	31o				
15	42	34	35	40	38		54 4o	42 4-	28 3o	48 4-	55 4o	36 3+	22 3-	22 3-	38	27o	25	30+				
16	19	18	18	19	19		16 2o	16 2o	19 2+	26 3-	12 2-	21 3-	21 3-	12 2-	18	18-	10	19+				
17	12	16	14	13	14		13 2-	16 2o	12 2-	11 2-	12 2-	20 2+	9 1+	6 1o	12	13+	7	14-				
18	6	7	8	5	7	CC *	5 1-	10 1+	7 1o	7 1o	4 1-	8 1+	2 0+	2 0+	6	7-	3	6o				
19	4	5	4	4	4	CK *	3 0+	4 1-	6 1o	3 0+	6 1o	1 0o	2 0+	4 1-	4	4+	1	2+				
20	37	41	19	60	39		5 1-	10 1+	11 2-	42 4-	28 3o	67 4+	38 3+	57 4o	32	22o	16	21o				
21	48	43	46	45	45		43 4-	32 3o	43 4-	27 3o	27 3o	47 4-	47 4-	36 3+	38	27o	24	30o				
22	33	37	37	33	35		24 3-	21 3-	28 3o	38 3+	28 3o	41 4-	33 3o	25 3-	30	24o	18	26+				
23	17	13	14	16	15		18 2+	10 1+	9 1+	15 2o	16 2o	20 2+	20 2+	9 1+	15	15o	7	16o				
24	17	18	10	24	17		6 1o	11 2-	10 1+	4 1-	13 2-	25 3-	17 2+	17 2+	13	14-	6	13o				
25	9	14	10	13	12	C *	11 2-	5 1-	7 1o	9 1+	25 3-	16 2o	5 1-	10 1+	11	11+	5	10o				
26	15	14	16	13	15		16 2o	14 2o	11 2-	17 2+	10 1+	14 2o	14 2o	22 3-	15	16o	8	15-				
27	21	21	20	22	21		13 2-	25 3-	7 1o	25 3-	13 2-	19 2+	25 3-	53 4o	23	19-	11	19-				
28	26	24	28	22	25		30 3o	28 3o	14 2o	25 3-	21 3-	22 3-	39 3+	16 2o	24	21+	13	22o				
29	11	12	9	14	11	KK *	10 1+	5 1-	10 1+	15 2o	11 2-	26 3-	8 1+	4 1-	11	12-	5	10o				
30	16	14	9	22	15		5 1-	6 1o	9 1+	5 1-	10 1+	15 2o	30 3o	25 3-	13	13-	6	12-				
31	42	35	20	58	39		19 2+	11 2-	16 2o	35 3+	31 3o	63 4+	57 4o	38 3+	34	24o	19	25-				

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) DEC2003-FEB2004

