

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES  
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 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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<b>C O N T E N T S</b>		
<b>Rapid Variations</b>	- provisional determination of ssc and sfe	January 2004
<b>Classification of days</b>	- five international quietest days and most disturbed days	January 2004
<b>aa</b>	- hemispheric N, S, daily values and planetary half day and daily values	January 2004
	- musical diagram of aa (latest values)	Jan. up to 21 Mar. 2004
<b>Quiet periods</b>	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	January 2004
<b>am, Km</b>	- three hour indices values musical diagram of Km	January 2004
<b>Am, ΣKm</b>	- daily values	January 2004
<b>Ap, ΣKp</b>	- daily values	January 2004
	- monthly tables of hourly indices	January 2004
<b>Musical diagram of Km</b>	- annual graph	January to December 2003
<b>Musical diagram of am</b>	- annual graph	January to December 2003

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

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<b>PRELIMINARY REPORT ON RAPID VARIATIONS</b>		<b>JANUARY 2004</b>
<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>
06 19 51 C: NGK* BDV* MMB* KAK KNY GUI		None
22 01 37 A: NGK* CLF NAG MMB* COI SPT KAK* GUI HYB B: NUR* BDV* HRB EBR* GNA CNB C: GCK		

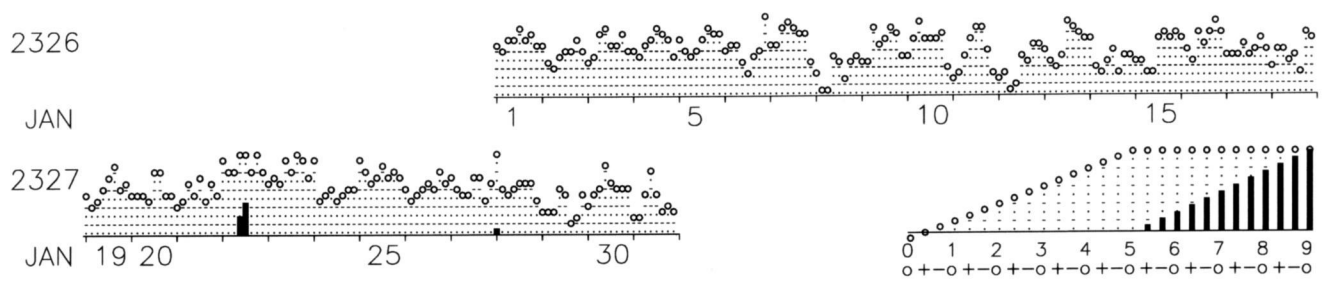
**REPORTING OBSERVATORIES (up to 02/03/2004) :**

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

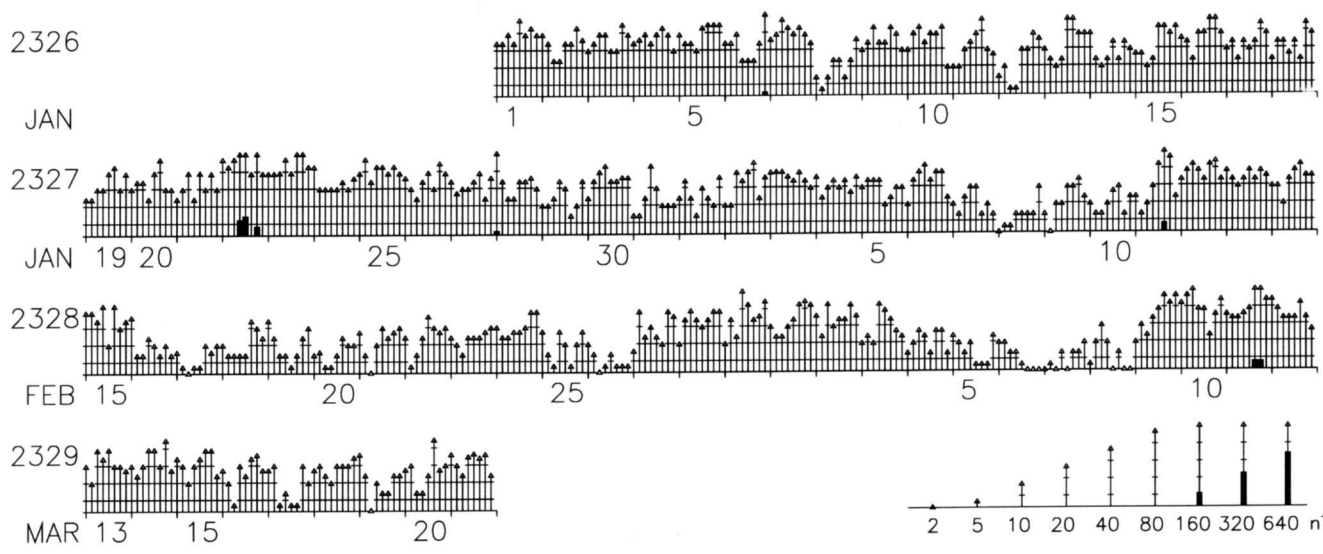
	<b>FIVE INTERNATIONAL QUIETEST DAYS</b>	<b>FIVE INTERNATIONAL MOST DISTURBED DAYS</b>
<b>January 2004</b>	8A 29A 12A 31A 14A	22 23 25 16 7

JANUARY 2004						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	ΣKm	Ap
1	45	48	36	58	47	36 3+	28 3o	44 4-	43 4-	66 4+	44 4-	57 4o	34 3+	44	29o	24	30+
2	38	30	27	40	34	35 3+	20 2+	14 2o	22 3-	32 3o	30 3o	42 4-	33 3o	29	23o	15	24-
3	40	37	37	40	39	C	20 2+	25 3-	54 4o	65 4+	39 3+	35 3+	54 4o	41	27o	22	29-
4	42	39	37	44	40		27 3o	22 3-	39 3+	43 4-	61 4+	60 4o	41 4-	39	27+	22	29o
5	62	36	33	65	49		41 4-	27 3o	26 3-	27 3o	49 4-	63 4+	55 4o	43	28+	25	31-
6	43	33	32	45	38		30 3o	36 3+	36 3+	19 2+	13 2-	22 3-	33 3o	35	24+	24	26+
7	52	49	56	46	51		35 3+	38 3+	63 4+	84 5-	68 4+	60 4o	55 4o	53	30+	29	32+
8	16	12	9	19	14	*	11 2-	5 1-	4 1-	23 3-	19 2+	9 1+	19 2+	14	14+	7	13+
9	42	35	37	40	38		20 2+	20 2+	64 4+	36 3+	41 4-	65 4+	51 4o	40	27o	23	29-
10	40	41	40	41	40		25 3-	45 4-	84 5-	49 4-	45 4-	43 4-	53 4o	45	28o	26	30+
11	36	27	20	42	31		10 1+	11 2-	26 3-	46 4-	65 4+	65 4+	31 3o	33	23-	19	24+
12	23	17	8	33	20	*	9 1+	13 2-	5 1-	6 1o	21 3-	19 2+	39 3+	19	16+	9	16-
13	43	37	17	63	40		27 3o	18 2+	16 2o	24 3-	71 5-	65 4+	55 4o	40	27-	20	26+
14	26	22	22	26	24	*	42 4-	16 2o	12 2-	19 2+	31 3o	13 2-	24 3-	23	20-	12	20+
15	40	32	17	56	36		18 2+	20 2+	11 2-	12 2-	42 4-	54 4o	46 4-	32	23+	18	24o
16	57	39	33	63	48		49 4-	27 3o	18 2+	51 4o	38 3+	60 4o	81 5-	47	29o	30	32+
17	40	28	26	42	34		21 3-	26 3-	21 3-	36 3+	26 3-	27 3o	45 4-	29	24-	18	26+
18	40	25	25	40	33	C	16 2o	30 3o	29 3o	19 2+	23 3-	13 2-	52 4o	28	22+	18	25+
19	30	33	20	44	32	K	24 3-	15 2o	20 2+	28 3o	48 4-	65 4+	31 3o	34	24+	18	26-
20	38	31	26	44	35		25 3-	26 3-	22 3-	20 2+	51 4o	59 4o	21 3-	31	24-	19	27-
21	25	35	26	35	30		15 2o	17 2+	36 3+	22 3-	44 4-	20 2+	40 3+	27	22+	14	23+
22	97	106	98	105	101		86 5-	54 4o	59 4o	167 6o	202 7-	53 4o	88 5o	96	38+	64	43-
23	62	69	54	77	66		39 3+	41 4-	39 3+	76 5-	53 4o	92 5o	86 5-	59	32+	41	37+
24	40	22	33	29	31		79 5-	20 2+	23 3-	31 3o	19 2+	24 3-	32 3o	32	24-	18	25o
25	60	46	54	52	53		72 5-	52 4o	36 3+	50 4-	62 4+	45 4-	52 4o	52	31+	37	36-
26	41	32	27	46	36		33 3o	18 2+	23 3-	29 3o	34 3+	27 3o	56 4o	33	25-	18	26-
27	32	25	25	33	29		44 4-	32 3o	24 3-	24 3-	42 4-	43 4-	20 2+	33	25o	17	25+
28	48	28	45	31	38		105 5+	32 3o	25 3-	28 3o	35 3+	36 3+	35 3+	40	26+	24	28o
29	18	19	18	19	19	K *	12 2-	11 2-	11 2-	33 3o	23 3-	7 1o	10 1+	16	16-	9	17-
30	40	33	38	35	36		14 2o	22 3-	32 3o	66 4+	37 3+	31 3o	32 3o	33	24+	20	27o
31	21	16	23	15	19	*	10 1+	9 1+	22 3-	55 4o	26 3-	13 2-	15 2o	20	17+	10	18-

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) JAN 2004  
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 2004  
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF aa 2003



