

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	January 2007
Classification of days	- five international quietest days and most disturbed days	January 2007
aa	- hemispheric N, S, daily values and planetary half day and daily values	January 2007
	- musical diagram of aa (latest values)	January up to 25 March 2007
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	January 2007
am, Km	- three hour indices values musical diagram of Km	January 2007
Am, ΣKm	- daily values	January 2007
Ap, ΣKp	- daily values	January 2007
	- monthly tables of hourly indices	January 2007
Musical diagram of km	- annual graph	January to December 2006
Musical diagram of am	- annual graph	January to December 2006

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

JANUARY 2007

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

01 09 47 B: NAG*
 C: BDV GUI HYB
 14 12 48 C: LER ESK* HAD* GCK

14 1254-1308 GUI
 15 1518-1530 GUI

REPORTING OBSERVATORIES (up to 01/03/2007) :

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

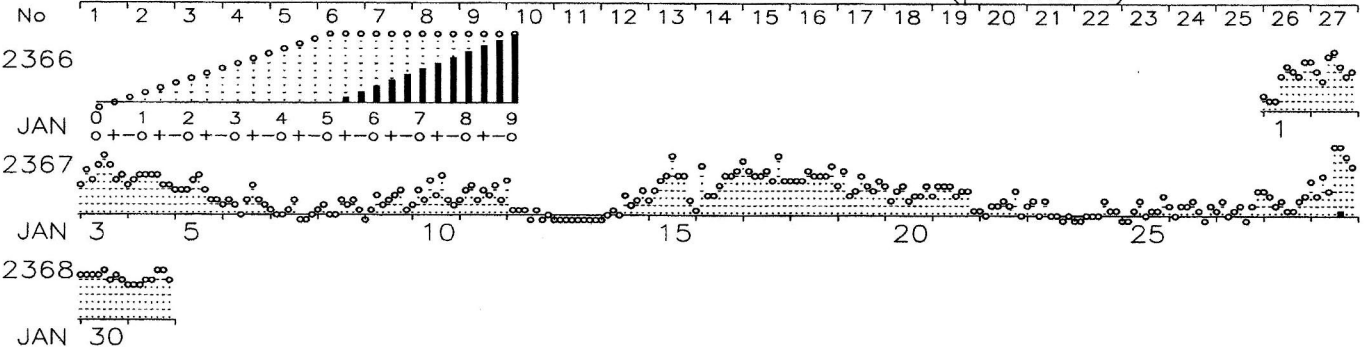
FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

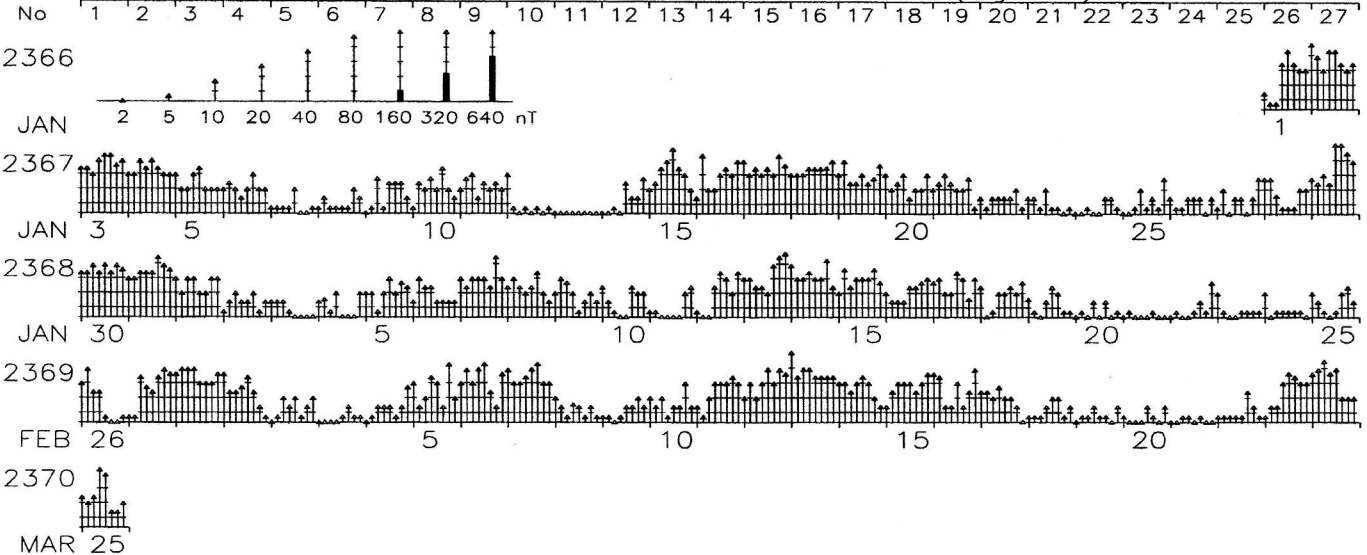
January 2007	13	7	24	25	26	29	17	30	2	3
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JANUARY 2007		Geomagnetic Indices (provisional)											Daily Average and Sum					
	aa				quiet days	am and Km for each three hour interval								and Sum				
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	23	24	13	35	24		9 1+	6 1o	7 1o	26 3-	40 3+	29 3o	23 3-	47 4-	23	19-	9	16+
2	48	41	52	37	44		45 4-	30 3o	18 2+	58 4o	67 4+	35 3+	23 3-	27 3o	38	26+	24	29o
3	43	41	34	50	42		19 2+	35 3+	26 3-	45 4-	61 4+	50 4-	26 3-	27 3o	36	26-	20	28-
4	35	28	31	32	31		19 2+	23 3-	33 3o	30 3o	28 3o	31 3o	20 2+	17 2+	25	22-	17	26-
5	18	17	18	17	18		15 2o	14 2o	14 2o	21 3-	31 3o	16 2o	10 1+	10 1+	16	16+	9	18o
6	14	13	12	15	14	CK	7 1o	10 1+	7 1o	3 0+	9 1+	19 2+	10 1+	6 1o	9	10-	5	10+
7	3	8	5	5	5	CC*	4 1-	3 0+	2 0+	4 1-	9 1+	1 0o	1 0o	2 0+	3	4-	1	2-
8	6	7	6	8	7	CC	5 1-	7 1o	2 0+	3 0+	9 1+	7 1o	8 1+	4 1-	6	7-	3	6o
9	9	13	8	14	11	CC	1 0o	5 1-	13 2-	7 1o	9 1+	13 2-	14 2o	4 1-	8	9o	4	7o
10	12	17	13	16	15		6 1o	14 2o	9 1+	24 3-	13 2-	27 3o	9 1+	7 1o	14	14o	6	13-
11	11	19	16	14	15		10 1+	16 2o	18 2+	8 1+	15 2o	12 2-	17 2+	9 1+	13	14+	6	14-
12	6	7	9	4	6	CC	21 3-	4 1-	4 1-	5 1-	1 0o	4 1-	0 0o	2 0+	5	6-	3	5-
13	2	2	2	2	2	CC*	0 0o	1 0o	0 0o	0 0o	0 0o	0 0o	1 0o	0 0o	0	0o	0	0o
14	9	7	3	13	8	CK	1 0o	2 0+	5 1-	2 0+	12 2-	7 1o	8 1+	14 2o	6	7+	3	6+
15	37	27	26	37	32		10 1+	14 2o	21 3-	29 3o	69 4+	31 3o	28 3o	8 1+	26	21-	16	22+
16	27	27	23	31	27		4 1-	43 4-	11 2-	13 2-	18 2+	27 3o	31 3o	39 3+	23	19+	14	19-
17	45	24	31	38	35		51 4o	34 3+	33 3o	31 3o	36 3+	23 3-	64 4+	25 3-	37	26+	25	30+
18	36	25	26	36	31		21 3-	24 3-	25 3-	36 3+	29 3o	31 3o	31 3o	41 4-	30	24o	18	27-
19	30	19	25	24	25		18 2+	34 3+	12 2-	15 2o	28 3o	18 2+	16 2o	24 3-	21	19+	13	21+
20	18	15	19	14	17		18 2+	10 1+	14 2o	19 2+	8 1+	13 2-	13 2-	20 2+	14	15o	8	16o
21	17	12	17	12	15	C	13 2-	18 2+	17 2+	20 2+	13 2-	14 2o	15 2o	4 1-	14	15o	8	16-
22	7	8	7	8	8	CC	5 1-	3 0+	6 1o	7 1o	8 1+	7 1o	14 2o	3 0+	7	8-	3	6-
23	4	8	8	4	6	CC	6 1o	8 1+	3 0+	8 1+	3 0+	3 0+	1 0o	3 0+	4	5o	3	5+
24	4	5	3	6	4	CC*	1 0o	1 0o	3 0+	2 0+	3 0+	8 1+	5 1-	4 1-	3	4-	2	4o
25	7	8	5	10	7	CC*	1 0o	1 0o	4 1-	9 1+	3 0+	5 1-	4 1-	11 2-	5	5+	2	4o
26	6	7	7	7	7	CC*	6 1o	3 0+	7 1o	7 1o	8 1+	5 1-	1 0o	6 1o	5	6+	3	5+
27	10	6	7	10	8	CC	4 1-	10 1+	2 0+	5 1-	7 1o	0 0o	6 1o	16 2o	6	7o	4	7o
28	11	11	14	9	11	CK	16 2o	11 2-	7 1o	8 1+	5 1-	4 1-	10 1+	11 2-	9	10+	5	9+
29	55	43	19	79	49		22 3-	13 2-	28 3o	15 2o	101 5o	120 5+	70 4+	43 4-	52	28-	28	30o
30	42	34	35	40	38		36 3+	38 3+	36 3+	35 3+	48 4-	29 3o	37 3+	30 3o	36	26+	24	30o
31	45	28	28	45	37		26 3-	23 3-	23 3-	30 3o	29 3o	42 4-	41 4-	30 3o	31	24+	20	27+

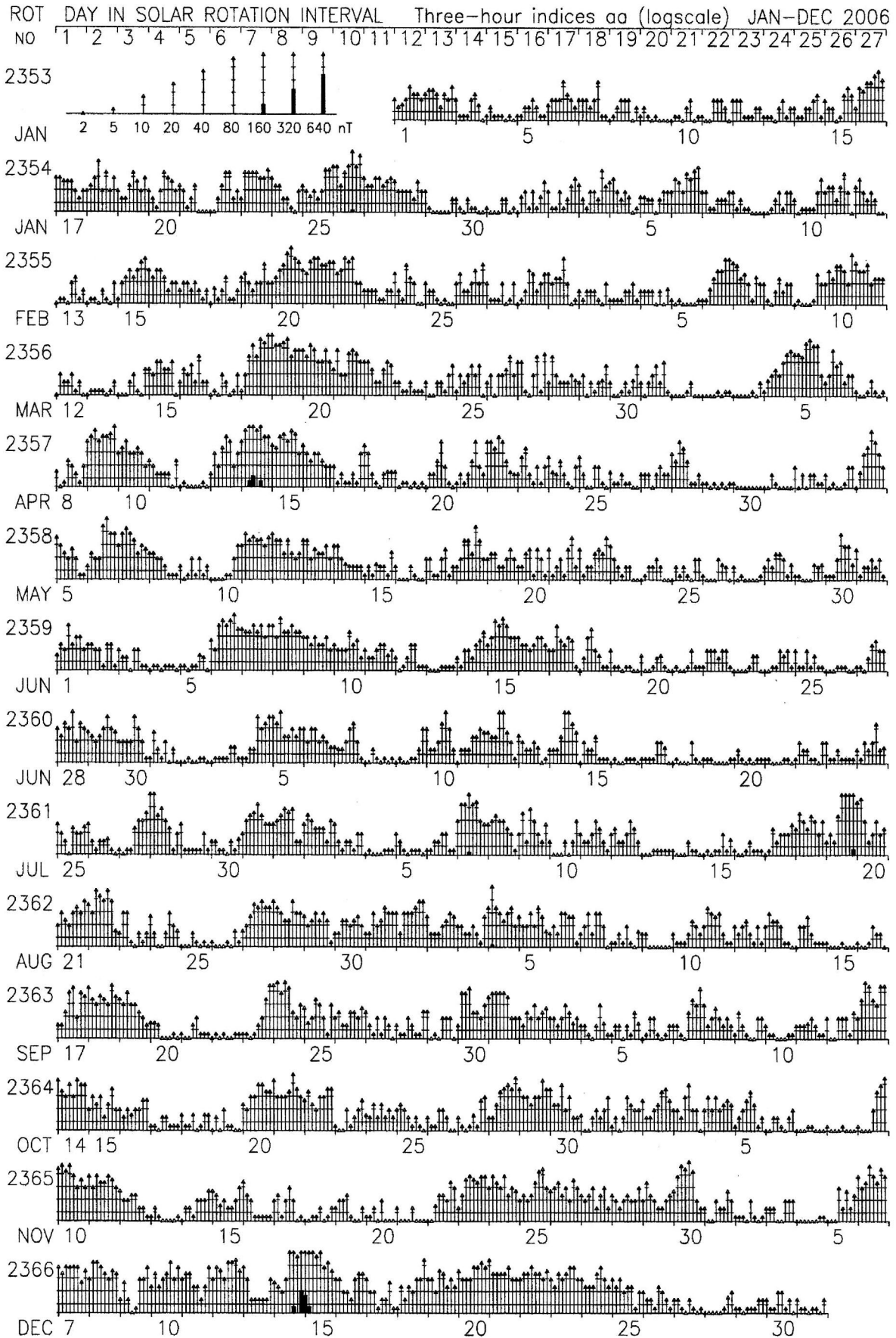
ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) JAN 2007



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 2007



PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF aa 2006



PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF Km 2006

