

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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

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PRELIMINARY REPORT ON RAPID VARIATIONS

NOVEMBER 2003

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

04 06 25 A: VAL* NAG* MMB* KAK* HTY* KNY* GUI* GNA
CNB
B: NUR NGK* BDV* CLF*
C: EBR
Si: HRB
15 05 50 A: GUI*
C: NGK VAL CLF MMB* EBR KAK HTY KNY
20 08 03 A: VAL CLF* MMB* KAK* HTY* KNY* GUI GNA
CNB
B: SOD* NUR NGK* BDV* GCK*
C: HRB NAG* EBR*

03 0946-1050 NGK+ BDV+ HTY+
03 1440-1449 NGK+
05 1049-1104 BDV+
08 1635-1641 NAG
13 0906-0922 HTY+
24 1238-1305 GUI
29 0637-0651 NAG

REPORTING OBSERVATORIES (up to 05/01/04) :

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

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
November 2003	28	27	29	5K	8A	20	11	13	16	15

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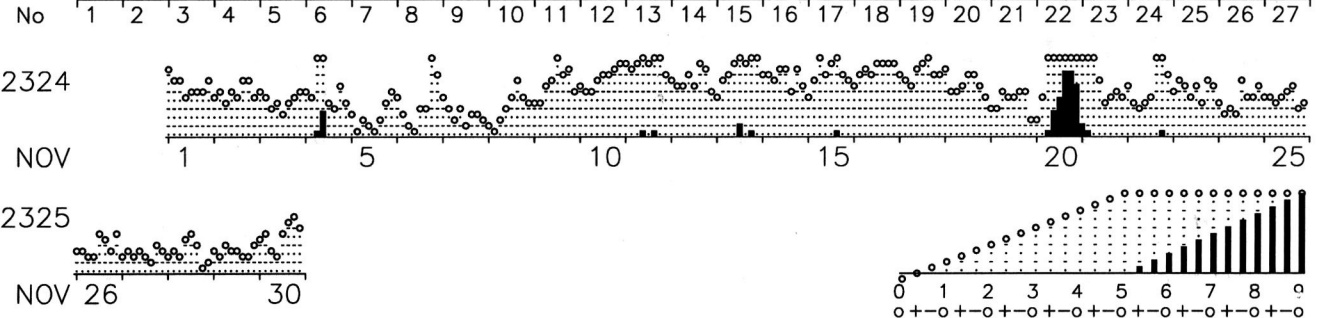
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NOVEMBER 2003		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				quiet days	am and Km for each three hour interval								Am Σ Km Ap Σ Kp				
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	40	43	40	42	41		70 4+	48 4-	41 4-	25 3-	30 3o	28 3o	31 3o	45 4-	40	27o	26	30o
2	33	30	28	35	31		26 3-	33 3o	17 2+	28 3o	24 3-	49 4-	46 4-	22 3-	31	24-	18	26+
3	29	19	24	24	24		27 3o	23 3-	15 2o	19 2+	13 2-	20 2+	22 3-	33 3o	22	20-	13	22o
4	50	60	89	20	55		30 3o	22 3-	112 5+	176 6+	17 2+	14 2o	40 3+	19 2+	54	27+	38	30o
5	14	11	8	17	13	K *	11 2-	4 1-	10 1+	6 1o	5 1-	10 1+	20 2+	27 3o	12	12o	6	12-
6	44	20	11	53	32		21 3-	11 2-	6 1o	5 1-	15 2o	16 2o	95 5o	54 4o	28	19o	17	20o
7	16	13	18	11	15		22 3-	16 2o	8 1+	14 2o	7 1o	13 2-	11 2-	9 1+	13	14-	8	15+
8	19	21	10	30	20	*	7 1o	5 1-	8 1+	16 2o	24 3-	43 4-	23 3-	18 2+	18	16+	8	15o
9	57	44	28	74	51		20 2+	17 2+	36 3+	44 4-	103 5o	56 4o	70 4+	27 3o	47	28o	29	31o
10	47	49	36	61	48		35 3+	31 3o	31 3o	45 4-	60 4o	52 4o	69 4+	79 5-	50	30o	27	32-
11	79	76	81	75	78		77 5-	70 4+	85 5-	109 5+	85 5-	111 5+	98 5o	58 4o	87	38o	61	44-
12	52	43	42	53	48		42 4-	34 3+	39 3+	52 4o	36 3+	72 5-	70 4+	31 3o	47	30-	30	32+
13	88	64	44	108	76		26 3-	44 4-	52 4o	83 5-	131 6-	85 5-	118 5+	94 5o	79	36-	52	40+
14	62	51	63	51	57		60 4o	52 4o	46 4-	70 4+	63 4+	32 3o	64 4+	39 3+	53	31o	38	36o
15	69	55	53	72	62		22 3-	47 4-	103 5o	60 4o	75 5-	104 5+	59 4o	48 4-	65	33o	40	36+
16	59	64	42	81	61		37 3+	51 4o	66 4+	59 4o	77 5-	83 5-	74 5-	77 5-	66	34+	41	37+
17	64	43	49	57	53		60 4o	49 4-	35 3+	62 4+	83 5-	93 5o	59 4o	54 4o	62	33o	39	37o
18	50	43	45	48	46		64 4+	28 3o	29 3o	40 3+	53 4o	55 4o	36 3+	24 3-	41	28-	26	31-
19	24	24	22	26	24		15 2o	15 2o	28 3o	22 3-	26 3-	28 3o	30 3o	10 1+	22	20-	12	20+
20	258	198	73	383	228		8 1+	25 3-	113 5+	191 6+	271 7o	499 8+	495 8+	372 8-	247	47o	150	50+
21	52	66	91	26	59		134 6-	120 5+	102 5o	46 4-	18 2+	25 3-	27 3o	21 3-	62	30+	42	33-
22	44	48	28	65	46		37 3+	19 2+	15 2o	19 2+	25 3-	89 5o	107 5+	60 4o	46	27o	30	31-
23	38	42	38	42	40		29 3o	49 4-	39 3+	23 3-	37 3+	18 2+	44 4-	35 3+	34	25+	22	28+
24	29	25	17	37	27		20 2+	12 2-	15 2o	11 2-	48 4-	25 3-	21 3-	34 3+	23	20o	13	22-
25	29	25	28	26	27		24 3-	24 3-	20 2+	24 3-	28 3o	40 3+	14 2o	18 2+	24	21o	14	23+
26	18	14	11	21	16		12 2-	13 2-	10 1+	8 1+	23 3-	19 2+	13 2-	22 3-	15	15+	8	17o
27	11	10	12	9	11	CK *	9 1+	13 2-	8 1+	12 2-	9 1+	6 1o	15 2o	11 2-	10	12o	6	12o
28	9	12	11	11	11	CC *	10 1+	11 2-	8 1+	20 2+	24 3-	15 2o	4 1-	7 1o	12	13o	5	11+
29	10	12	12	10	11	CC *	12 2-	9 1+	14 2o	11 2-	13 2-	9 1+	8 1+	16 2o	12	13o	6	13o
30	34	24	16	42	29		19 2+	23 3-	11 2-	10 1+	22 3-	37 3+	41 4-	29 3o	24	21-	12	20-

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) NOV2003-JAN2004

