

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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 ISGI Publications Office Monthly Bulletin n°02-09 - September 2002

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

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*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 2002
<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>
07 16 36	A: CLF* MMB* SPT* KAK* KNY* B: NAG* GCK EBR GUI* HYB ETT C: NGK* BDV*	05 0316-0354 VAL 16 0309-0320 MMB KAK KNY 20 0924-0936 BDV 21 1212-1250 GUI 29 0635-0700 MMB KAK KNY
30 08 15	A: HYB ETT B: SOD* VAL* BDV* HRB NAG* COI* SPT* C: GCK*	

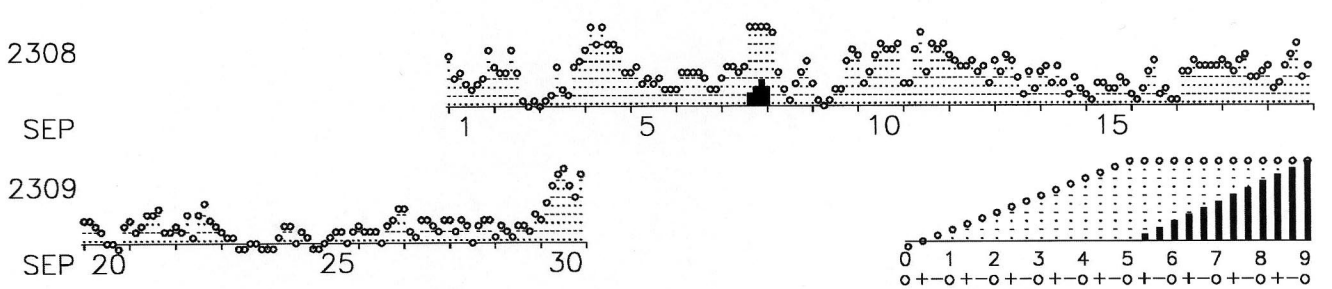
REPORTING OBSERVATORIES (up to 06/11/2002) :

SOD NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY GUI HYB ETT HER LIV

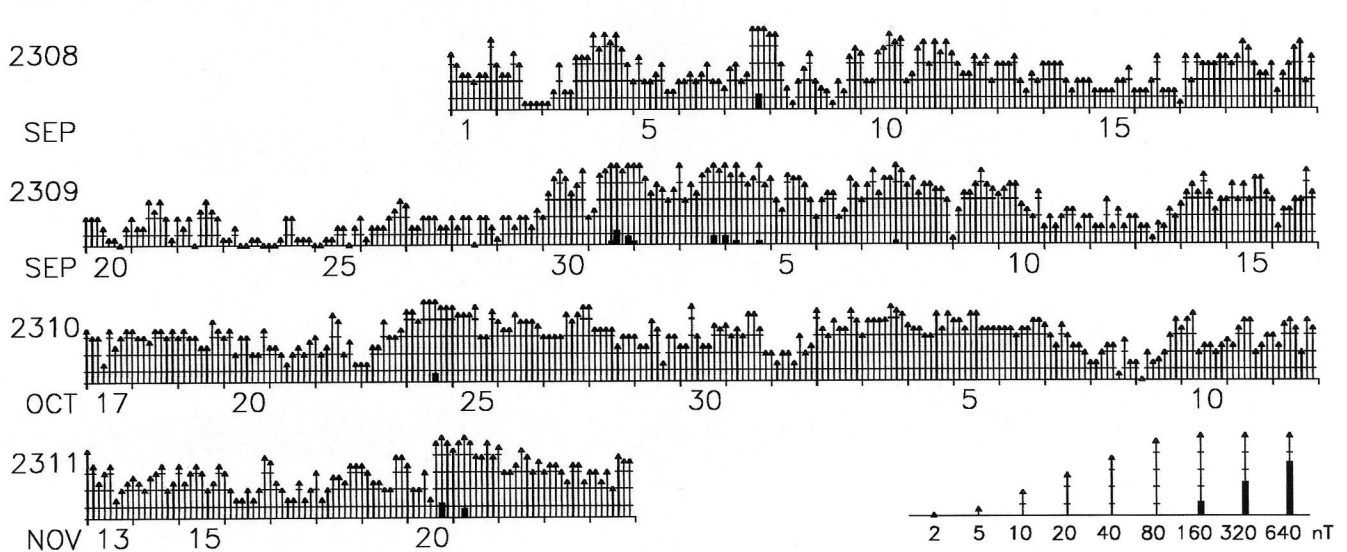
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
September 2002	23	25	24	29	20	7	4	8	30	11

SEPTEMBER 2002						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	32	19	23	28	26		34 3+	16 2o	20 2+	12 2-	10 1+	11 2-	15 2o	43 4-	20	18o	11	19-
2	15	19	24	10	17		24 3-	17 2+	17 2+	44 4-	20 2+	4 1-	3 0+	5 1-	17	15o	8	15-
3	13	17	11	20	15		3 0+	4 1-	7 1o	23 3-	9 1+	6 1o	26 3-	27 3o	13	13-	7	12o
4	62	49	60	52	56		44 4-	103 5o	58 4o	87 5o	53 4o	53 4o	41 4-	19 2+	57	32-	42	37-
5	14	17	17	14	16		17 2+	25 3-	12 2-	16 2o	13 2-	16 2o	9 1+	9 1+	15	15o	7	15-
6	14	15	13	16	15		9 1+	18 2+	18 2+	19 2+	17 2+	14 2o	9 1+	10 1+	14	15+	7	15-
7	59	55	16	98	57		14 2o	24 3-	21 3-	18 2+	23 3-	128 6-	156 6o	179 6+	70	30+	57	34-
8	45	22	48	19	33		155 6o	82 5-	20 2+	9 1+	5 1-	12 2-	18 2+	32 3o	42	22o	36	27+
9	17	15	9	24	16		11 2-	5 1-	3 0+	5 1-	9 1+	10 1+	29 3o	45 4-	15	13-	9	14+
10	43	44	25	63	44		34 3+	11 2-	17 2+	39 3+	56 4o	50 4-	47 4-	59 4o	39	26o	24	28+
11	39	39	33	45	39		12 2-	13 2-	43 4-	84 5-	20 2+	51 4o	41 4-	55 4o	40	26-	26	30-
12	27	21	23	25	24		34 3+	29 3o	23 3-	24 3-	29 3o	19 2+	22 3-	13 2-	24	21+	14	23o
13	20	18	26	12	19		30 3o	17 2+	35 3+	29 3o	16 2o	7 1o	20 2+	9 1+	20	18+	11	19-
14	19	16	24	11	18		17 2+	22 3-	12 2-	25 3-	12 2-	7 1o	14 2o	8 1+	15	15+	8	15+
15	14	8	9	13	11	CC	7 1o	4 1-	13 2-	12 2-	9 1+	9 1+	14 2o	11 2-	10	11+	6	13o
16	11	12	9	14	12	K	7 1o	5 1-	8 1+	18 2+	27 3o	7 1o	10 1+	4 1-	11	11+	6	11o
17	24	22	20	26	23		4 1-	19 2+	19 2+	27 3o	25 3-	21 3-	22 3-	25 3-	20	19o	11	19o
18	32	30	37	25	31		32 3o	24 3-	18 2+	32 3o	37 3+	16 2o	16 2o	20 2+	24	21-	14	23o
19	26	29	18	37	28		21 3-	10 1+	12 2-	22 3-	35 3+	52 4o	14 2o	26 3-	24	20+	15	22+
20	8	8	11	5	8	C *	12 2-	11 2-	10 1+	6 1o	2 0+	2 0+	1 0o	10 1+	7	8-	4	8o
21	16	11	13	14	14	C	11 2-	6 1o	10 1+	16 2o	14 2o	19 2+	7 1o	7 1o	11	12+	6	12+
22	13	12	9	17	13	CC	9 1+	6 1o	16 2o	5 1-	14 2o	21 3-	12 2-	10 1+	12	13-	6	14-
23	5	4	5	4	4	CC*	6 1o	4 1-	4 1-	0 0o	0 0o	3 0+	2 0+	0 0o	2	3o	2	3+
24	8	4	5	7	6	CC*	1 0o	1 0o	4 1-	9 1+	9 1+	2 0+	7 1o	5 1-	5	5+	2	5-
25	5	5	4	7	5	CC*	1 0o	0 0o	2 0+	4 1-	6 1o	6 1o	3 0+	7 1o	4	4+	2	4o
26	13	10	8	15	12	CC	10 1+	6 1o	6 1o	7 1o	3 0+	10 1+	11 2-	20 2+	9	10o	5	11-
27	13	9	12	10	11	CC	18 2+	6 1o	5 1-	12 2-	12 2-	10 1+	6 1o	12 2-	10	11+	6	12-
28	10	9	11	9	10	CC	11 2-	7 1o	11 2-	8 1+	3 0+	10 1+	11 2-	12 2-	9	11-	5	10-
29	10	11	9	12	11	C *	5 1-	8 1+	6 1o	5 1-	9 1+	9 1+	7 1o	16 2o	8	9+	4	7o
30	52	48	46	54	50		13 2-	25 3-	48 4-	67 4+	79 5-	41 4-	32 3o	65 4+	46	28o	28	31-

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) SEP 2002



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 2002

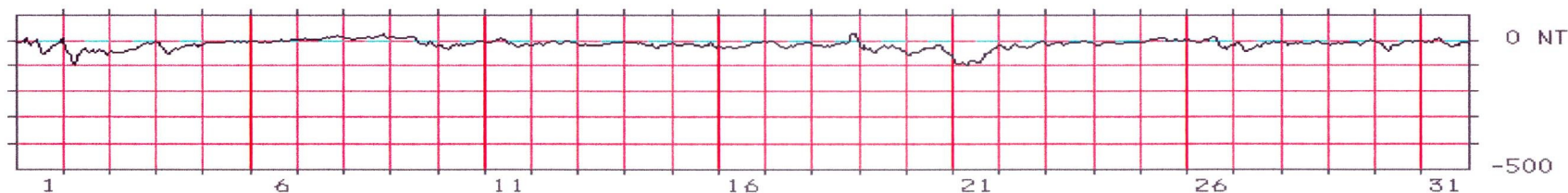


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - August 2002 -

Unit=nT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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2	-19	-43	-54	-60	-87	-96	-78	-60	-57	-49	-38	-32	-42	-50	-42	-38	-50	-43	-38	-40	-44	-49	-59	-47
3	-43	-50	-46	-47	-45	-49	-46	-44	-42	-37	-36	-37	-37	-33	-26	-23	-22	-14	-12	-9	-12	-15	-11	-5
4	-7	-10	-23	-28	-41	-53	-52	-41	-36	-33	-35	-30	-27	-24	-22	-21	-19	-18	-16	-18	-23	-21	-19	-17
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11	-10	-11	-7	-3	-2	1	5	8	10	4	5	-2	-12	-10	-16	-19	-26	-26	-22	-20	-15	-14	-18	-21
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DST  
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HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - September 2002 -

Unit=nT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	-24	-17	-17	-14	-14	-10	-15	-13	-6	0	-2	-3	-3	0	-1	-5	-7	-6	-3	-3	-7	-10	-20	-15
2	-12	-14	-13	-16	-15	-21	-14	-2	0	-1	-6	-8	-9	-5	-5	-3	-2	-3	-2	-3	-4	-5	-5	-4
3	-2	2	5	9	10	15	22	28	26	30	30	29	27	24	24	24	23	23	27	27	22	14	17	7
4	2	7	1	-48	-91	-103	-104	-101	-93	-93	-98	-91	-81	-73	-69	-75	-72	-72	-66	-70	-64	-62	-60	-54
5	-47	-42	-41	-45	-43	-43	-40	-39	-37	-34	-32	-34	-36	-36	-39	-41	-37	-35	-35	-34	-33	-33	-30	-26
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