

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
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C O N T E N T S		
Rapid Variations	- provisional determination of ssc and sfe	October 2002
Classification of days	- five international quietest days and most disturbed days	October 2002
aa	- hemispheric N, S, daily values and planetary half day and daily values	October 2002
	- musical diagram of aa (latest values)	Oct. up to 15 Dec. 2002
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	October 2002
am, Km	- three hour indices values musical diagram of Km	October 2002
Am, ΣKm	- daily values	October 2002
Ap, ΣKp	- daily values	October 2002
	- monthly tables of hourly indices	October 2002

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

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PRELIMINARY REPORT ON RAPID VARIATIONS		OCTOBER 2002
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
None		06 0449-0500 MMB KAK KNY 12 0927-0939 NAG

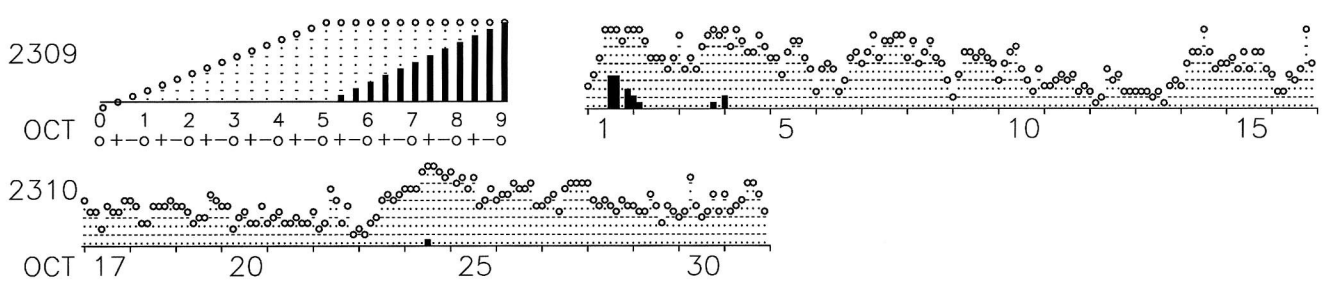
REPORTING OBSERVATORIES (up to 04/12/2002) :

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

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
October 2002	13	12	11	21A	22A	24	4	1	7	2

OCTOBER 2002					Geomagnetic Indices (provisional)										Daily Average and Sum			
	aa				D	quiet days	am an Km for each three hour interval								Daily Average and Sum			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	105	64	44	126	85		12 2-	20 2+	40 3+	102 5o	209 7-	218 7-	61 4+	153 6o	102	36o	67	40o
2	68	45	77	36	57		121 6-	119 5+	69 4+	37 3+	35 3+	34 3+	22 3-	38 3+	59	31+	53	35+
3	68	75	51	91	71		79 5-	21 3-	34 3+	24 3-	55 4o	74 5-	105 5+	85 5-	60	32o	45	36o
4	85	78	97	66	81		125 6-	55 4o	97 5o	68 4+	48 4-	45 4-	86 5-	59 4o	73	35o	64	42o
5	48	40	41	47	44		37 3+	37 3+	17 2+	44 4-	65 4+	62 4+	39 3+	23 3-	41	27+	28	31o
6	37	21	25	33	29		10 1+	23 3-	31 3o	23 3-	8 1+	15 2o	35 3+	47 4-	24	20o	15	22+
7	71	53	46	78	62		27 3o	48 4-	85 5-	34 3+	67 4+	62 4+	77 5-	72 5-	59	33-	48	39o
8	45	37	46	36	41		39 3+	66 4+	32 3o	50 4-	63 4+	40 3+	31 3o	16 2o	42	27o	33	33o
9	42	31	21	52	37		6 1o	17 2+	45 4-	41 4-	37 3+	45 4-	38 3+	31 3o	33	24o	20	26+
10	35	25	40	20	30		15 2o	29 3o	46 4-	51 4o	26 3-	16 2o	9 1+	26 3-	27	21+	16	23+
11	11	12	10	13	12	C *	11 2-	12 2-	14 2o	19 2+	15 2o	19 2+	9 1+	13 2-	14	15o	6	13+
12	12	12	13	11	12	C C *	9 1+	5 1-	7 1o	26 3-	14 2o	17 2+	8 1+	10 1+	12	13-	6	12+
13	9	10	8	11	10	C *	8 1+	10 1+	10 1+	6 1o	8 1+	5 1-	11 2-	14 2o	9	11-	5	11o
14	33	34	32	35	34		13 2-	31 3o	47 4-	42 4-	92 5o	42 4-	22 3-	27 3o	40	26+	23	29-
15	40	39	35	44	39		27 3o	34 3+	25 3-	41 4-	24 3-	48 4-	46 4-	22 3-	33	25+	18	26-
16	33	23	16	40	28		18 2+	8 1+	9 1+	20 2+	16 2o	24 3-	88 5o	29 3o	27	20o	18	23+
17	27	21	22	26	24		33 3o	20 2+	20 2+	9 1+	21 3-	17 2+	19 2+	32 3o	21	19+	13	21+
18	32	23	25	30	28		32 3o	26 3-	13 2-	11 2-	24 3-	23 3-	21 3-	28 3o	22	20o	14	23-
19	26	28	26	28	27		24 3-	23 3-	17 2+	13 2-	14 2o	16 2o	36 3+	32 3o	22	20-	14	22+
20	24	19	23	20	22		23 3-	23 3-	8 1+	14 2o	18 2+	12 2-	13 2-	22 3-	17	17o	10	19o
21	17	11	13	15	14	*	13 2-	14 2o	18 2+	11 2-	11 2-	16 2o	13 2-	12 2-	14	15-	8	17-
22	24	25	28	22	25	*	20 2+	10 1+	11 2-	41 4-	31 3o	11 2-	22 3-	7 1o	19	17+	10	18-
23	25	18	12	31	22		9 1+	7 1o	13 2-	14 2o	29 3o	37 3+	29 3o	35 3+	22	19-	11	19-
24	101	69	71	100	85		46 4-	45 4-	48 4-	81 5-	106 5+	97 5o	77 5-	62 4+	70	35o	63	44-
25	62	51	64	49	57		85 5-	54 4o	62 4+	41 4-	62 4+	26 3-	27 3o	41 4-	50	30+	39	36-
26	52	34	42	43	43		29 3o	37 3+	38 3+	52 4o	45 4-	49 4-	58 4o	25 3-	42	28-	27	32-
27	48	37	24	61	42		23 3-	29 3o	36 3+	18 2+	47 4-	53 4o	55 4o	54 4o	39	27o	25	30o
28	38	30	44	24	34		51 4o	32 3o	23 3-	28 3o	26 3-	20 2+	28 3o	21 3-	29	23+	19	26+
29	28	19	25	22	24		25 3-	17 2+	18 2+	35 3+	23 3-	11 2-	21 3-	20 2+	21	20o	14	23o
30	28	31	34	25	30		15 2o	17 2+	64 4+	25 3-	14 2o	18 2+	34 3+	20 2+	26	21+	16	23o
31	40	30	29	41	35		38 3+	18 2+	21 3-	30 3o	57 4o	56 4o	35 3+	18 2+	34	25o	20	27o

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 2002

