

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

JUNE 2002

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

01 16 44 B: SOD NUR*
 C: NGK* BDV* NAG* SPT
 08 11 40 A: NAG*
 B: CLF
 C: NGK* BDV* GCK SPT LIV

01 0353-0410 MMB+ KAK+ KNY+ GNA+ CNB+
 10 0610-0630 NAG
 27 1533-1547 NAG

REPORTING OBSERVATORIES (up to 31/07/2002) :

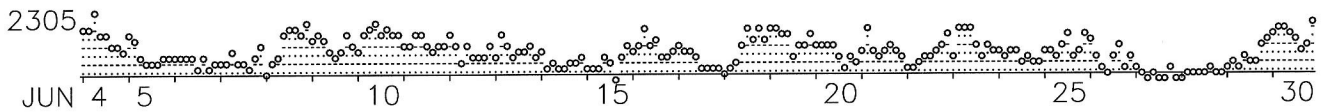
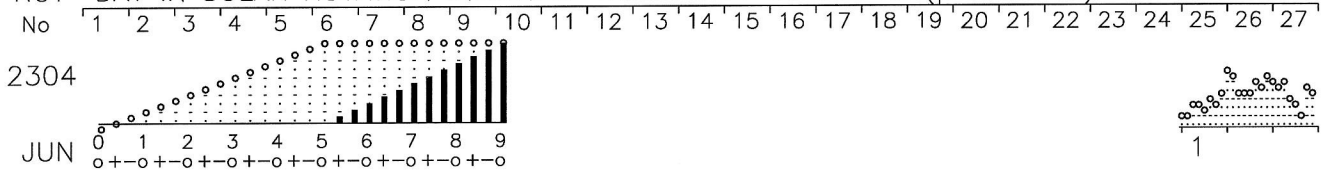
SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY GNA CNB LIV

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
June 2002	28	27	14	1	15	2*	10*	4*	8*	30*

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JUNE 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				
1	9	4	3	10	6	CK*	6 1o	6 1o	11 2-	13 2-	9 1+	15 2o	12 2-	19 2+	11	13-	4	7-
2	34	22	25	31	28		42 4-	38 3+	19 2+	19 2+	19 2+	27 3o	24 3-	35 3+	28	23o	16	24+
3	24	12	20	16	18		29 3o	26 3-	31 3o	15 2o	12 2-	7 1o	22 3-	18 2+	20	18+	10	17+
4	29	22	31	20	26		29 3o	28 3o	57 4o	23 3-	25 3-	15 2o	14 2o	13 2-	26	21o	13	22-
5	15	8	13	10	12	CK	26 3-	17 2+	10 1+	6 1o	6 1o	6 1o	9 1+	10 1+	11	12o	6	12+
6	9	8	9	8	9	CC	9 1+	10 1+	9 1+	9 1+	4 1-	10 1+	4 1-	6 1o	8	9o	4	9o
7	9	6	5	9	7	CC	6 1o	7 1o	12 2-	6 1o	7 1o	4 1-	10 1+	16 2o	9	10-	5	10o
8	32	15	11	36	23		3 0+	7 1o	8 1+	22 3-	30 3o	29 3o	26 3-	34 3+	20	17+	14	20-
9	20	16	20	16	18		20 2+	26 3-	18 2+	13 2-	9 1+	11 2-	21 3-	15 2o	17	17-	8	17-
10	29	30	28	31	30		11 2-	22 3-	32 3o	36 3+	24 3-	33 3o	26 3-	23 3-	26	22-	14	22+
11	21	19	20	20	20		16 2o	16 2o	22 3-	22 3-	15 2o	12 2-	16 2o	15 2o	17	17o	8	17-
12	18	10	13	15	14		23 3-	15 2o	6 1o	14 2o	10 1+	10 1+	8 1+	16 2o	13	14-	6	13o
13	17	10	13	14	14	KC	8 1+	23 3-	16 2o	10 1+	11 2-	13 2-	16 2o	9 1+	13	14o	7	15-
14	9	4	5	8	6	CC*	13 2-	4 1-	7 1o	5 1-	4 1-	6 1o	7 1o	9 1+	7	8o	4	8o
15	8	6	6	8	7	CC*	5 1-	5 1-	5 1-	8 1+	6 1o	1 0o	8 1+	16 2o	7	8-	4	7+
16	17	13	15	15	15	C	11 2-	15 2o	27 3o	16 2o	18 2+	9 1+	9 1+	13 2-	15	15+	7	15o
17	12	7	11	8	9	CC	16 2o	13 2-	12 2-	10 1+	4 1-	5 1-	4 1-	4 1-	9	9+	4	9o
18	29	13	9	33	21		3 0+	4 1-	7 1o	16 2o	31 3o	19 2+	28 3o	20 2+	16	15-	10	17-
19	26	13	23	16	20		27 3o	27 3o	22 3-	22 3-	10 1+	15 2o	16 2o	26 3-	21	19+	11	20o
20	16	6	16	6	11	CK	16 2o	15 2o	16 2o	16 2o	8 1+	5 1-	8 1+	7 1o	11	12+	5	11o
21	19	7	11	15	13	CC	12 2-	27 3o	11 2-	8 1+	11 2-	16 2o	13 2-	10 1+	14	14+	7	14+
22	14	7	7	14	10	CK	5 1-	5 1-	6 1o	9 1+	9 1+	12 2-	14 2o	21 3-	10	11+	6	12-
23	19	11	17	13	15	C	9 1+	29 3o	29 3o	28 3o	15 2o	9 1+	14 2o	12 2-	18	17+	9	18-
24	14	6	10	10	10	CC	13 2-	9 1+	11 2-	12 2-	7 1o	10 1+	7 1o	6 1o	9	11-	5	11o
25	21	9	10	20	15	K	12 2-	13 2-	8 1+	14 2o	24 3-	8 1+	12 2-	21 3-	14	15o	8	15o
26	14	7	9	12	11	CK	17 2+	8 1+	4 1-	3 0+	10 1+	14 2o	5 1-	8 1+	9	10o	5	10+
27	6	2	4	4	4	CC*	5 1-	2 0+	1 0o	2 0+	0 0o	1 0o	5 1-	1 0o	2	2o	2	4-
28	4	2	2	4	3	CC*	0 0o	2 0+	2 0+	3 0+	2 0+	4 1-	3 0+	2 0+	2	3-	2	4o
29	14	5	6	13	10	CK	5 1-	6 1o	4 1-	10 1+	6 1o	6 1o	14 2o	19 2+	9	10o	5	10+
30	28	13	19	22	21		21 3-	32 3o	32 3o	23 3-	18 2+	13 2-	16 2o	38 3+	24	21-	12	21+

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JUN-AUG 2002

