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 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES
 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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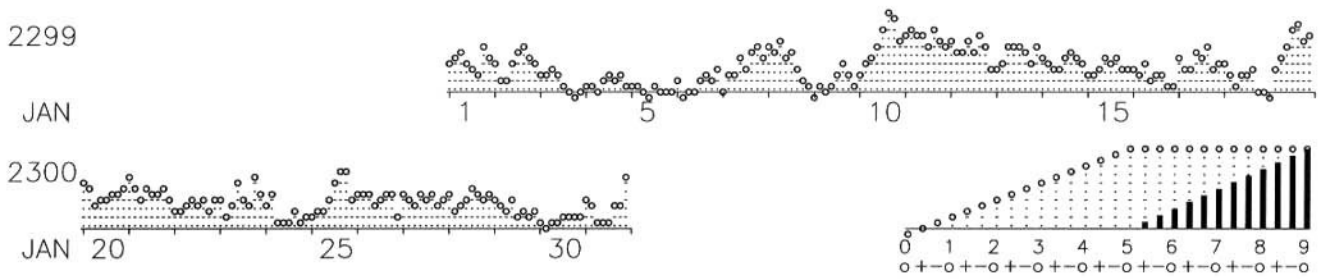
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PRELIMINARY REPORT ON RAPID VARIATIONS		JANUARY 2002
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
31 21 27	B: CLF EBR SPT HYB C: NGK BDV HRB CLF GCK HTY	12 1425-1457 NAG 31 1443-1503 GUI
REPORTING OBSERVATORIES (up to 1st Mars 2002):		
SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR SPT KAK HTY KNY GUI HYB GNA HER CNB		

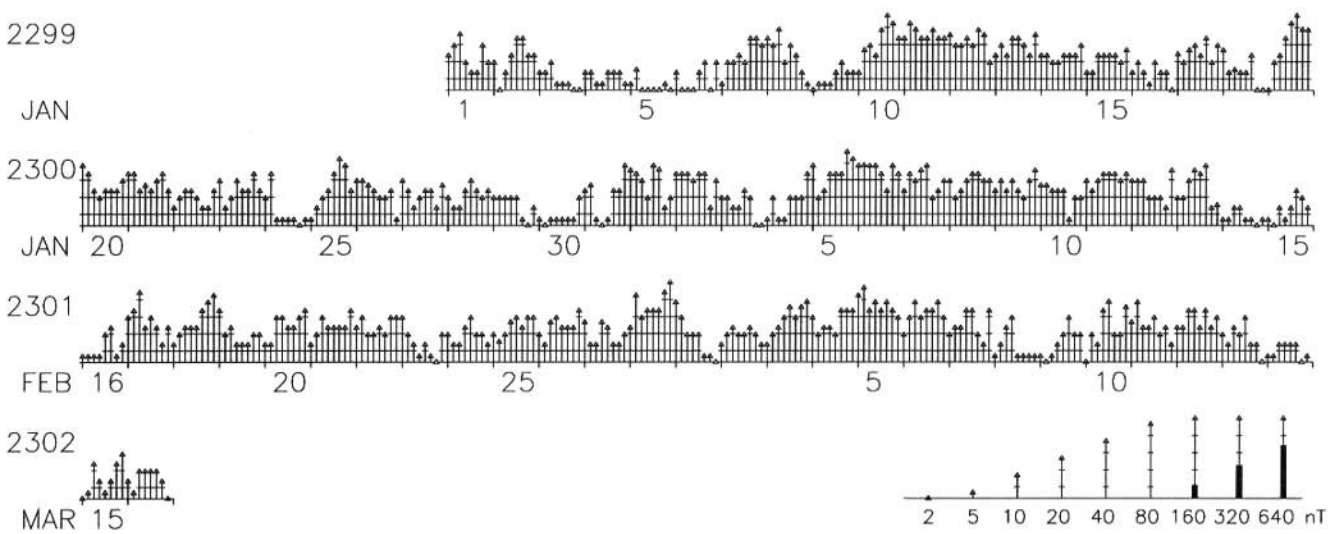
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
January 2002	3	5	30	4	6	11	10*	12*	19*	13*

JANUARY 2002		Geomagnetic Indices (provisional)											Daily Average and Sum								
	aa				quiet D days	am and Km for each three hour interval								Am		Σ Km		Ap		Σ Kp	
	N	S	am	pm		1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp				
1	15	21	23	13	18	16 2o	19 2+	24 3-	14 2o	11 2-	9 1+	28 3o	17 2+	17	17+	8	15+				
2	17	17	10	24	17	14 2o	6 1o	7 1o	15 2o	24 3-	27 3o	20 2+	16 2o	16	16o	8	15+				
3	6	6	8	4	6	CK *	9 1+	8 1+	12 2-	10 1+	4 1-	3 0+	0 0o	2 0+	6	7o	2	4o			
4	6	7	7	7	7	CC *	5 1-	4 1-	3 0+	6 1o	8 1+	7 1o	8 1+	4 1-	6	7o	3	5+			
5	5	2	5	3	4	CC *	4 1-	5 1-	3 0+	1 0o	4 1-	2 0+	3 0+	2 0+	3	3+	2	4o			
6	5	7	4	9	6	CC *	7 1o	1 0o	3 0+	3 0+	7 1o	10 1+	7 1o	6	7-	2	4o				
7	15	21	11	25	18		3 0+	9 1+	9 1+	18 2+	11 2-	26 3-	33 3o	16	15o	7	14-				
8	18	24	29	13	21		32 3o	21 3-	34 3+	18 2+	23 3-	13 2-	6 1o	19	17+	11	17+				
9	7	7	4	9	7	CC	1 0o	4 1-	3 0+	5 1-	8 1+	16 2o	9 1+	6	7o	2	5-				
10	32	40	17	54	36		10 1+	16 2o	20 2+	28 3o	60 4o	101 5o	78 5-	44	26-	19	24o				
11	38	39	42	35	39		48 4-	53 4o	41 4-	41 4-	31 3o	55 4o	36 3+	42	28+	27	31+				
12	39	20	29	30	29		36 3+	22 3-	25 3-	37 3+	22 3-	45 4-	31 3o	29	23o	17	25o				
13	25	24	22	27	25		13 2-	16 2o	28 3o	29 3o	29 3o	24 3-	16 2o	23	20+	13	22o				
14	16	16	14	18	16		19 2+	14 2o	12 2-	11 2-	18 2+	21 3-	17 2+	16	17o	8	16o				
15	16	12	12	16	14		9 1+	8 1+	13 2-	18 2+	14 2o	17 2+	12 2-	13	14+	7	15-				
16	7	9	8	8	8	CC	12 2-	10 1+	14 2o	7 1o	10 1+	8 1+	5 1-	9	10o	4	7o				
17	20	20	18	21	20		17 2+	13 2-	13 2-	24 3-	17 2+	29 3o	12 2-	18	17+	8	17o				
18	10	9	11	7	9	C	14 2o	8 1+	5 1-	10 1+	9 1+	13 2-	3 0+	8	9o	5	10-				
19	33	40	16	58	37		1 0o	11 2-	17 2+	31 3o	55 4o	64 4+	39 3+	33	22+	14	20+				
20	22	22	26	18	22		32 3o	22 3-	12 2-	14 2o	14 2o	18 2+	18 2+	19	19-	10	18o				
21	23	24	25	22	24		37 3+	26 3-	15 2o	22 3-	20 2+	20 2+	24 3-	23	20o	11	20+				
22	12	12	13	11	12	C	8 1+	9 1+	12 2-	15 2o	11 2-	14 2o	9 1+	12	13+	6	13-				
23	18	19	17	20	19		15 2o	6 1o	11 2-	27 3o	14 2o	12 2-	35 3+	17	17o	8	17-				
24	9	9	14	4	9	KK	12 2-	20 2+	4 1-	5 1-	4 1-	9 1+	5 1-	8	9o	4	7o				
25	25	23	10	38	24		6 1o	8 1+	10 1+	14 2o	31 3o	43 4-	46 4-	22	18o	10	17-				
26	16	17	21	11	16		18 2+	17 2+	19 2+	13 2-	14 2o	18 2+	18 2+	16	16+	8	16-				
27	15	15	15	15	15	C	19 2+	15 2o	11 2-	17 2+	16 2o	17 2+	11 2-	15	16+	8	16-				
28	16	12	11	17	14		17 2+	8 1+	11 2-	15 2o	22 3-	18 2+	16 2o	16	17-	7	15o				
29	11	8	12	7	9	CC	15 2o	12 2-	8 1+	14 2o	7 1o	8 1+	7 1o	10	12-	4	9o				
30	7	4	4	7	6	CC *	4 1-	2 0+	5 1-	5 1-	6 1o	6 1o	6 1o	5	6+	3	5-				
31	16	16	11	21	16		14 2o	12 2-	5 1-	4 1-	4 1-	13 2-	11 2-	13	12+	6	11-				

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) JAN 2002
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



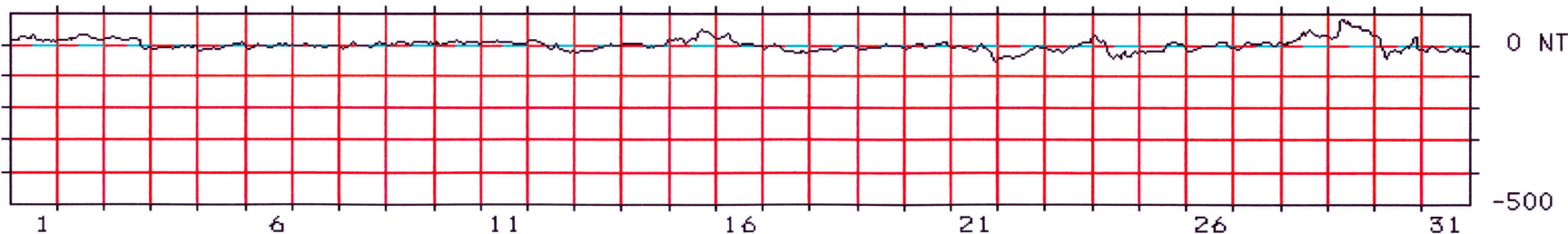
ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 2002
No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - January 2002 -

Unit = NT																								U.T.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								
1	14	12	14	15	15	23	26	25	22	19	22	30	23	14	15	14	9	16	16	12	11	12	8	12
2	13	13	14	15	16	18	15	17	18	22	26	28	31	30	33	29	25	21	21	20	15	15	13	13
3	17	19	22	23	26	20	20	20	16	12	13	14	20	20	22	22	21	15	14	-8	-15	-16	-11	-11
4	-15	-16	-12	-10	-9	-7	-7	-7	-7	-9	-12	-9	-10	-9	-3	-4	-6	-5	-1	-6	-7	-2	-3	-5
5	-18	-18	-15	-15	-15	-13	-12	-10	-13	-14	-12	-9	-7	-4	-1	-4	0	5	4	3	3	6	5	-5
6	-13	-14	-8	-7	-2	-1	1	-2	-3	-1	-5	-7	-10	-10	-4	-2	1	4	0	3	5	-2	-5	4
7	-2	-5	-1	0	0	2	2	0	-4	-4	-6	-6	-3	-5	-4	-11	-11	-7	-2	-1	-3	-2	-1	-4
8	-9	-12	-8	-6	-2	1	6	5	0	0	-1	-2	-3	-4	-7	-8	-2	2	2	5	6	4	2	1
9	-2	0	1	0	1	6	7	7	6	5	3	0	2	6	10	10	9	10	11	7	5	8	4	5
10	6	4	3	0	1	4	5	8	8	10	10	14	11	6	2	5	8	7	7	7	8	6	4	5
11	6	8	9	10	9	8	10	13	16	11	10	8	7	7	7	6	3	3	4	4	2	4	4	11
12	16	16	13	14	8	6	5	1	-5	-3	-12	-13	-6	1	-1	-8	-14	-16	-18	-19	-19	-25	-20	-20
13	-23	-24	-21	-19	-17	-19	-20	-21	-20	-16	-13	-11	-9	-7	-5	-4	0	1	0	0	-1	0	-1	0
14	1	1	2	3	1	5	4	2	1	1	0	-5	-9	-9	-5	-7	-5	0	-1	-2	-1	5	10	17
15	16	15	17	16	17	21	20	12	5	9	12	19	20	16	27	44	45	43	43	39	37	32	23	18
16	21	20	24	24	30	36	33	16	9	8	4	0	-3	2	5	5	4	1	1	-2	0	0	-3	-4
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18	-19	-17	-20	-17	-16	-15	-16	-14	-13	-16	-16	-17	-18	-15	-10	-8	-5	-4	-1	-2	-4	-5	-7	-9
19	-12	-15	-16	-14	-12	-7	-7	-8	-10	-6	-10	-8	-4	-1	2	0	-1	0	-2	-3	-1	-5	-7	-10
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22	-42	-40	-36	-37	-36	-36	-41	-44	-38	-36	-36	-33	-30	-25	-19	-15	-13	-11	-5	-5	-6	-6	-9	-8
23	-11	-14	-15	-17	-18	-13	-16	-20	-23	-20	-16	-9	-4	-7	-5	0	3	3	8	9	11	10	9	24
24	31	24	14	7	13	9	5	-3	-27	-35	-40	-34	-30	-34	-42	-24	-20	-37	-36	-34	-25	-21	-23	-20
25	-21	-22	-23	-22	-22	-20	-19	-17	-18	-17	-18	-18	-11	-6	1	4	6	8	7	5	4	3	-4	-10
26	-19	-22	-19	-15	-12	-9	-7	-1	-1	-2	-4	-4	-4	-1	5	8	7	9	8	6	1	0	-7	-7
27	-10	-15	-14	-8	-5	1	6	8	3	4	4	1	1	4	9	9	7	7	1	-3	-1	3	6	7
28	4	4	5	7	8	10	12	15	19	21	31	42	31	42	49	44	38	31	29	27	29	31	30	31
29	24	21	24	26	28	48	79	80	72	71	74	70	59	61	58	56	60	50	50	49	47	41	32	33
30	28	25	17	-6	-20	-39	-32	-22	-19	-16	-20	-22	-23	-16	-6	-2	-7	-5	2	7	27	24	-13	-16
31	-16	-19	-18	-8	-3	-5	-10	-12	-18	-21	-21	-17	-13	-10	-7	-12	-21	-18	-10	-18	-16	-27	-25	-26

DST
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