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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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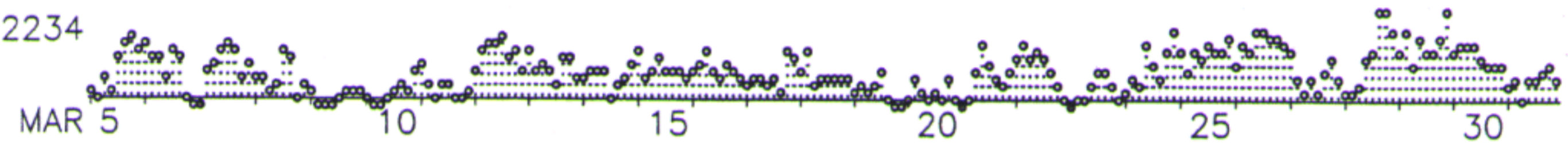
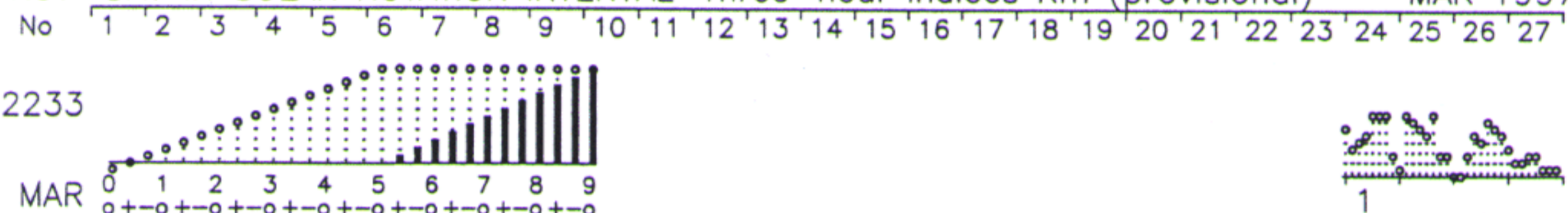
PRELIMINARY REPORT ON RAPID VARIATIONS		MARCH 1997
SSC - Storm Sudden Commencements 05 13 57 A : HRB B : WNG DOU TEN* C : NGK BDV EBR* SPT QUE LNP HYB ETT CNB	SFE - Solar Flare Effects 07 1108-1122 TEN 11 0326-0336 BDV	
REPORTING OBSERVATORIES (up to th 5th of May 1997) : SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR COI SPT FRD KAK HTY KNY QUE TEN LNP HYB ETT HER CNB		

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
March 1997	9	10	20	19	23	29	28	26*	1*	12*

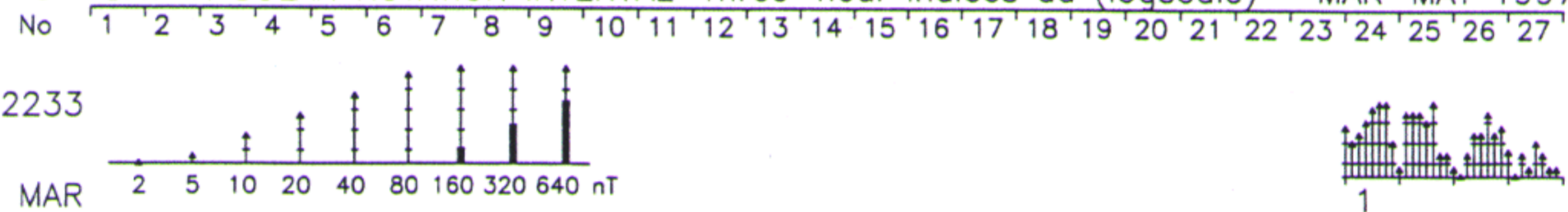
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MARCH 1997		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa					quiet days	am and Km for each three hour interval								Am ΣKm		Ap ΣKp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8				
1	28	25	18	35	27		21 3-	11 2-	16 2o	20 2+	34 3+	38 3+	35 3+	10 1+	23	20o	13	22-
2	21	26	25	22	23		5 1-	37 3+	33 3o	25 3-	17 2+	37 3+	9 1+	9 1+	22	18o	12	19o
3	16	13	8	21	14		2 0+	3 0+	10 1+	17 2+	14 2o	27 3o	21 3-	18 2+	14	14+	7	14o
4	7	6	6	8	7	CC	12 2-	6 1o	6 1o	8 1+	9 1+	5 1-	4 1-	4 1-	7	8+	4	7o
5	20	15	6	29	18		4 1-	3 0+	8 1+	5 1-	18 2+	27 3o	35 3+	21 3-	15	14+	9	14o
6	17	16	19	13	16		27 3o	19 2+	18 2+	9 1+	26 3-	17 2+	2 0+	0 0o	15	14+	8	15o
7	15	17	12	20	16	K	0 0o	11 2-	14 2o	26 3-	28 3o	21 3-	8 1+	16 2o	16	15+	7	14o
8	12	12	9	15	12	KK	10 1+	9 1+	5 1-	7 1o	26 3-	20 2+	2 0+	6 1o	11	11-	5	11-
9	3	4	3	4	3	CC*	5 1-	1 0o	0 0o	1 0o	2 0+	5 1-	4 1-	4 1-	3	3o	1	2-
10	6	4	2	8	5	CC*	3 0+	0 0o	1 0o	3 0+	5 1-	7 1o	5 1-	13 2-	5	5-	2	4o
11	7	9	11	6	8	CK	16 2o	7 1o	3 0+	7 1o	6 1o	2 0+	2 0+	5 1-	6	7-	3	6+
12	28	22	28	22	25		13 2-	26 3-	33 3o	30 3o	36 3+	19 2+	22 3-	11 2-	24	20+	13	22-
13	15	15	14	16	15		25 3-	13 2-	15 2o	11 2-	7 1o	20 2+	17 2+	9 1+	15	15o	8	15+
14	9	10	12	8	10	CC	10 1+	11 2-	12 2-	11 2-	3 0+	6 1o	8 1+	16 2o	10	11o	5	11-
15	13	15	17	11	14	C	23 3-	8 1+	12 2-	17 2+	11 2-	11 2-	11 2-	8 1+	13	14+	7	13-
16	14	14	16	12	14	C	11 2-	16 2o	23 3-	11 2-	8 1+	14 2o	11 2-	8 1+	13	14+	7	14o
17	13	10	7	16	12	KC	6 1o	9 1+	10 1+	6 1o	9 1+	4 1-	21 3-	18 2+	10	12-	6	12-
18	10	9	10	9	10	CC	12 2-	21 3-	7 1o	8 1+	8 1+	8 1+	8 1+	10 1+	10	12o	6	12-
19	4	6	5	5	5	CC*	5 1-	6 1o	4 1-	6 1o	13 2-	2 0+	0 0o	0 0o	5	5+	3	5o
20	8	7	7	8	7	CC*	2 0+	9 1+	5 1-	2 0+	4 1-	2 0+	10 1+	3 0+	5	5+	3	5+
21	6	13	8	11	10	CK	0 0o	3 0+	11 2-	27 3o	15 2o	10 1+	6 1o	12 2-	11	11o	4	8-
22	18	17	22	13	18	K	19 2+	33 3o	18 2+	22 3-	20 2+	11 2-	6 1o	3 0+	17	16-	10	17-
23	5	9	4	9	7	CK*	0 0o	2 0+	3 0+	7 1o	12 2-	13 2-	7 1o	2 0+	6	6+	3	5+
24	23	20	17	26	21		5 1-	9 1+	7 1o	30 3o	14 2o	8 1+	26 3-	49 4-	19	16-	9	15-
25	24	26	19	31	25		22 3-	13 2-	21 3-	19 2+	33 3o	21 3-	23 3-	39 3+	24	21o	12	21+
26	34	46	32	49	40		14 2o	27 3o	23 3-	45 4-	46 4-	37 3+	36 3+	33 3o	33	25-	17	26-
27	12	11	11	13	12	C	23 3-	8 1+	4 1-	9 1+	5 1-	12 2-	18 2+	8 1+	11	12o	6	10+
28	33	40	10	63	37		5 1-	4 1-	6 1o	18 2+	24 3-	72 5-	85 5-	41 4-	32	20+	21	21+
29	42	31	34	39	36		24 3-	43 4-	15 2o	34 3+	25 3-	24 3-	34 3+	72 5-	34	25o	20	27-
30	20	34	33	21	27		24 3-	33 3o	33 3o	30 3o	20 2+	15 2o	15 2o	14 2o	23	20o	10	19-
31	12	10	6	16	11	C	6 1o	10 1+	2 0+	9 1+	10 1+	12 2-	16 2o	9 1+	9	10+	5	11-

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAR 1997



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAR-MAY 1997

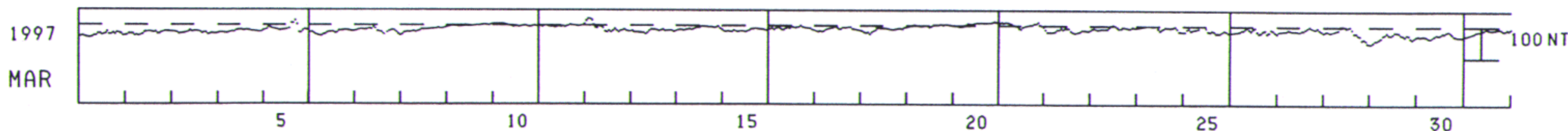


Dst monthly table of hourly indices - March 1997

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MARCH 1997

DAY	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	
1	-35	-33	-35	-38	-39	-40	-37	-33	-32	-26	-27	-30	-28	-26	-21	-28	-28	-25	-28	-23	-24	-27	-32	-33	
2	-31	-26	-26	-27	-33	-31	-33	-30	-28	-22	-20	-20	-21	-20	-22	-21	-26	-26	-23	-19	-17	-18	-21	-20	
3	-20	-21	-23	-26	-26	-24	-25	-22	-19	-16	-19	-18	-17	-18	-20	-24	-22	-23	-28	-27	-25	-26	-26	-24	
4	-22	-23	-22	-24	-24	-22	-20	-21	-20	-16	-13	-14	-14	-15	-13	-13	-15	-17	-17	-18	-19	-19	-19	-16	
5	-14	-12	-5	-7	-9	-12	-12	-13	-15	-13	-14	-13	-11	-9	7	8	15	3	-23	-22	-15	-11	-13	-20	
6	-22	-20	-25	-28	-31	-33	-32	-29	-27	-22	-19	-20	-21	-25	-22	-16	-15	-16	-13	-14	-15	-18	-18	-17	
7	-16	-14	-11	-12	-13	-13	-12	-9	-11	-6	-9	-18	-21	-21	-27	-28	-22	-17	-15	-14	-16	-21	-27	-31	
8	-29	-23	-20	-21	-21	-20	-18	-19	-18	-15	-12	-11	-11	-11	-11	-10	-9	-10	-9	-7	-9	-10	-8	-6	
9	-3	-1	-1	-1	-2	-3	-3	-2	-2	-2	-2	-2	-2	-1	1	1	0	1	3	4	3	2	3	5	
10	5	5	5	5	6	5	4	2	1	-2	-4	-2	-2	-3	-1	-1	1	-1	-3	-3	-1	0	-1	-1	
11	-2	-4	-2	0	-1	-3	-3	-3	-5	-3	-1	-3	-2	-3	-2	0	3	2	1	1	-1	0	2	6	
12	16	22	22	18	4	-5	-8	-1	-3	-7	-17	-19	-16	-20	-15	-10	-15	-19	-16	-14	-11	-15	-18	-18	
13	-16	-19	-21	-20	-20	-22	-23	-27	-23	-16	-11	-12	-12	-14	-15	-14	-12	-15	-16	-14	-13	-16	-17	-16	
14	-13	-12	-12	-14	-12	-12	-10	-11	-10	-8	-5	-5	-1	-1	-2	-4	-4	-4	-4	-5	-4	-1	-7	-12	
15	-15	-17	-16	-17	-17	-14	-15	-18	-16	-15	-16	-17	-15	-13	-9	-9	-8	-8	-9	-10	-10	-11	-13	-11	
16	-9	-8	-11	-8	-6	-8	-12	-12	-7	-6	-7	-4	-4	-6	-4	-4	2	-3	-6	-6	-7	-8	-11	-14	
17	-16	-17	-16	-18	-16	-11	-9	-7	-7	-6	-4	-6	-9	-9	-6	-5	-5	-3	-4	-9	-9	-11	-13	-14	
18	-16	-20	-22	-21	-27	-21	-16	-13	-8	-8	-8	-7	-7	-7	-9	-11	-11	-11	-9	-7	-8	-9	-6	-3	
19	-3	-2	1	3	2	2	0	-1	1	2	1	-3	-2	3	4	4	3	5	4	5	6	4	3	2	
20	1	0	-2	-3	-3	-2	3	7	8	6	8	9	9	9	9	10	10	9	10	10	11	14	11	9	
21	10	11	10	12	11	10	8	4	2	-2	-7	-9	-4	-1	2	2	3	4	7	8	11	3	1	-3	
22	-12	-20	-21	-21	-21	-17	-12	-11	-7	-12	-7	-7	-8	-15	-20	-23	-21	-20	-17	-14	-14	-14	-15	-13	
23	-9	-8	-9	-11	-10	-9	-10	-10	-9	-3	1	3	2	-3	-7	-8	-4	-3	-6	-7	-7	-4	-5	-5	
24	-4	-3	-2	-2	0	2	1	-1	-1	1	-8	-13	-9	-7	-4	-4	-5	-5	-4	-1	-7	-15	-18	-18	
25	-17	-10	-7	-13	-11	-9	-9	-7	0	2	0	-5	-15	-17	-14	-16	-22	-23	-22	-18	-13	-16	-20	-22	
26	-21	-18	-17	-17	-15	-12	-11	-7	-3	-10	-14	-8	-4	-15	-22	-20	-14	-12	-22	-18	-9	-11	-17	-23	
27	-16	-15	-14	-13	-13	-10	-11	-13	-13	-13	-13	-15	-12	-11	-7	-3	0	-3	-6	-7	-4	-9	-14	-17	
28	-16	-14	-15	-17	-16	-14	-11	-9	-2	3	2	-4	-1	1	-7	-20	-20	-27	-28	-42	-39	-44	-51	-54	
29	-54	-49	-44	-44	-40	-34	-26	-24	-18	-24	-27	-22	-15	-16	-17	-24	-27	-30	-24	-26	-36	-39	-34	-31	
30	-28	-30	-28	-29	-31	-34	-37	-32	-28	-25	-26	-25	-21	-19	-15	-14	-17	-23	-28	-31	-32	-33	-32	-30	
31	-28	-26	-24	-22	-19	-15	-14	-13	-12	-10	-6	-8	-9	-9	-9	-7	-8	-5	-7	-11	-12	-8	-9	-5	



Note: Beginning January 1997, the Provisional Dst Index is derived from data obtained at the following five observatories: Hermanus, Alibag, Kakioka, Honolulu and San Juan; that is, Alibag is added to the four observatories previously used. This addition should improve the quality of the Provisional Equatorial Dst Index.