

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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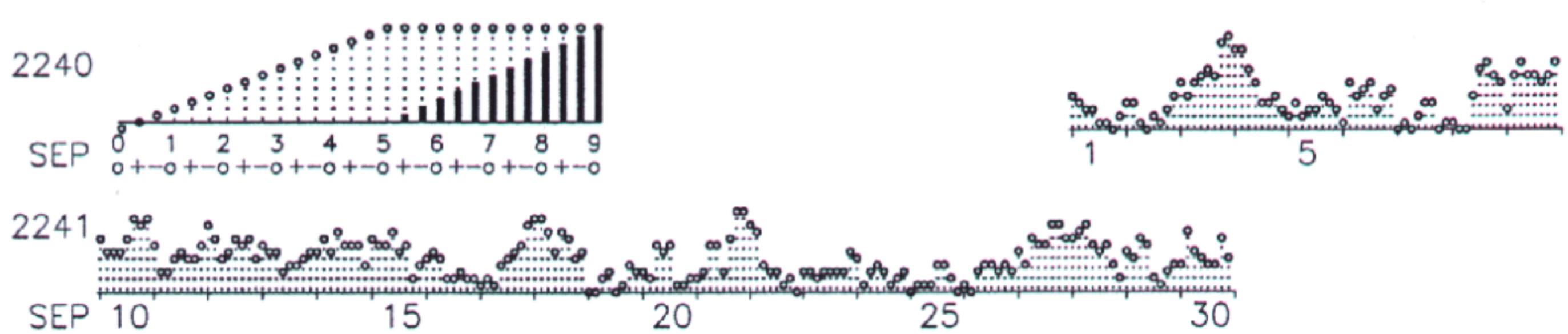
PRELIMINARY REPORT ON RAPID VARIATIONS		SEPTEMBER 1997
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
02 22 59	A : DOU HRB* COI SPT TEN B : WNG GCK QUE C : NGK BDV CLF EBR* HYB ETT	02 1218-1234 NGK 02 1227-1245 WNG+ BDV+ HRB 07 1452-1504 NAG (si: SPT) 08 1403-1419 NAG (ssc: HRB) 24 0246-0305 KAK+ KNY+ LNP 24 0533-0544 LNP
21 16 51	B : HRB C : WNG NGK BDV GCK COI*	
REPORTING OBSERVATORIES (up to th 4th of November 1997) :		
SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR COI SPT FRD KAK KNY QUE TEN LNP HYB ETT HER CNB		

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
September 1997	25	19	7	26	2	3	10*	18	9*	4*

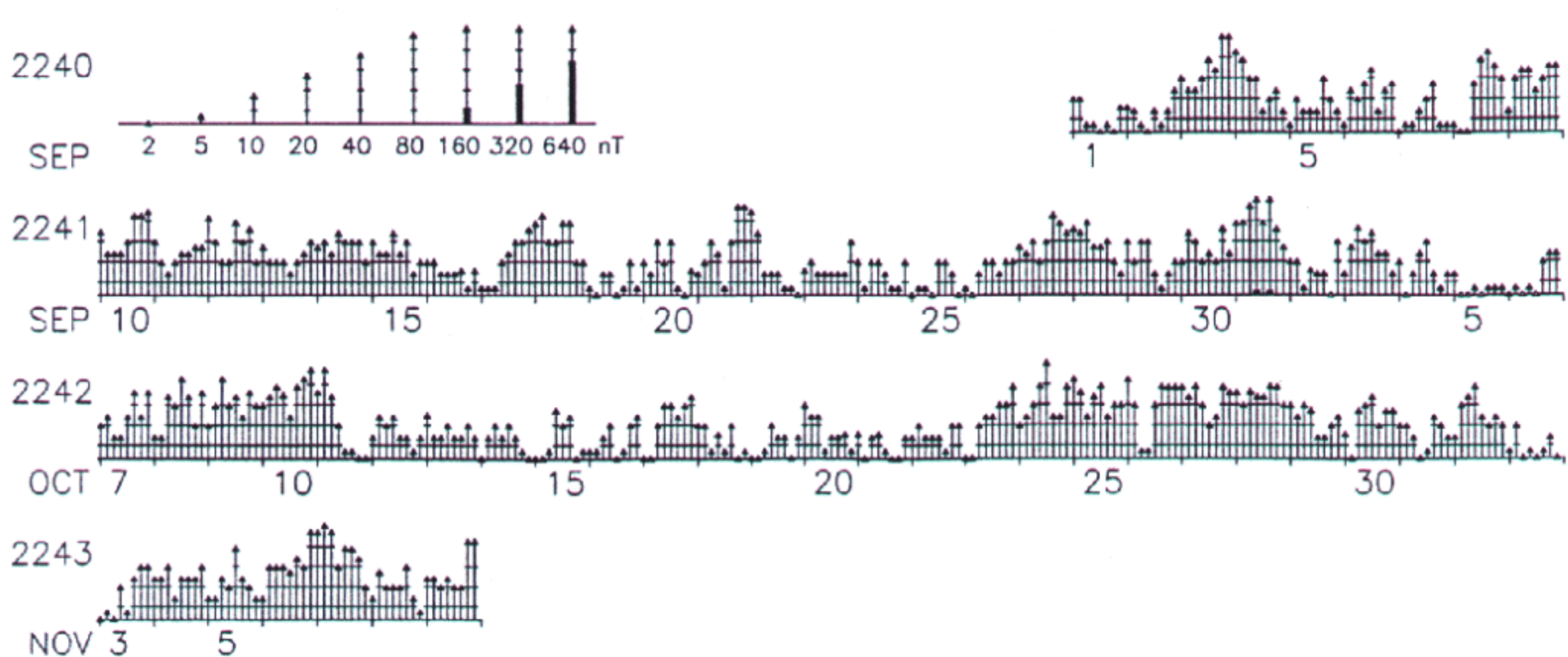
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SEPTEMBER 1997 Geomagnetic Indices (provisional)															Daily Average and Sum			
	aa					quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8				
1	8	5	9	5	7	CC	14 2o	13 2-	9 1+	10 1+	4 1-	5 1-	3 0+	7 1o	8	9o	4	8+
2	8	7	6	9	8	CC*	12 2-	12 2-	5 1-	2 0+	7 1o	4 1-	8 1+	15 2o	8	9+	4	8-
3	43	47	20	71	45		23 3-	14 2o	22 3-	28 3o	35 3+	27 3o	80 5-	100 5o	41	26+	26	27o
4	21	28	38	11	25		66 4+	68 4+	35 3+	26 3-	12 2-	12 2-	15 2o	10 1+	31	21+	16	21o
5	12	9	8	13	11	CC	6 1o	11 2-	6 1o	8 1+	9 1+	16 2o	12 2-	8 1+	10	11+	5	10-
6	16	16	13	19	16	K	5 1-	25 3-	15 2o	20 2+	25 3-	10 1+	15 2o	17 2+	17	16o	7	15o
7	10	6	5	11	8	CK*	2 0+	4 1-	3 0+	6 1o	11 2-	12 2-	3 0+	5 1-	6	7-	3	7-
8	28	21	7	42	24		4 1-	2 0+	3 0+	14 2o	40 3+	45 4-	30 3o	22 3-	20	16o	12	17o
9	33	19	24	29	26		9 1+	30 3o	44 4-	33 3o	31 3o	23 3-	27 3o	42 4-	30	23+	15	23+
10	42	30	20	52	36		31 3o	17 2+	17 2+	18 2+	28 3o	56 4o	48 4-	56 4o	34	25-	19	26o
11	20	12	14	18	16		24 3-	9 1+	10 1+	16 2o	17 2+	14 2o	15 2o	21 3-	16	16+	8	17-
12	37	19	26	30	28		41 4-	29 3o	16 2o	19 2+	31 3o	22 3-	30 3o	15 2o	25	22-	14	22o
13	18	11	14	15	15		26 3-	18 2+	17 2+	8 1+	11 2-	12 2-	15 2o	20 2+	16	16+	9	16+
14	26	18	23	21	22		19 2+	27 3o	19 2+	37 3+	25 3-	22 3-	21 3-	11 2-	23	21-	12	21+
15	21	16	22	15	19		30 3o	26 3-	22 3-	40 3+	17 2+	21 3-	7 1o	12 2-	22	19+	11	19+
16	12	6	10	8	9	CC	14 2o	18 2+	14 2o	7 1o	6 1o	9 1+	6 1o	7 1o	10	12-	6	13-
17	21	11	7	25	16		5 1-	7 1o	5 1-	12 2-	16 2o	19 2+	25 3-	46 4-	17	15-	9	15+
18	32	34	38	29	34		60 4o	60 4o	39 3+	19 2+	34 3+	30 3o	14 2o	19 2+	34	24+	20	25o
19	7	5	6	6	6	C*	3 0+	2 0+	7 1o	8 1+	2 0+	5 1-	11 2-	8 1+	6	7o	3	6-
20	11	13	14	10	12	KK	10 1+	6 1o	21 3-	18 2+	24 3-	4 1-	5 1-	7 1o	12	12+	6	12-
21	35	27	15	47	31		7 1o	8 1+	24 3-	23 3-	9 1+	33 3o	66 4+	67 4+	30	21-	16	20o
22	22	12	29	5	17		47 4-	37 3+	11 2-	8 1+	9 1+	4 1-	6 1o	3 0+	16	13+	10	13o
23	10	11	9	12	11	CC	8 1+	8 1+	7 1o	8 1+	10 1+	8 1+	9 1+	18 2+	10	11+	4	9o
24	10	8	10	8	9	CC	14 2o	5 1-	10 1+	11 2-	8 1+	4 1-	6 1o	9 1+	8	10o	4	8+
25	4	8	4	9	6	CC*	3 0+	5 1-	5 1-	4 1-	12 2-	12 2-	7 1o	3 0+	6	7o	3	6-
26	8	9	7	11	9	CC*	4 1-	2 0+	8 1+	13 2-	13 2-	10 1+	11 2-	9 1+	9	10o	4	8-
27	29	29	18	40	29		20 2+	13 2-	30 3o	21 3-	21 3-	43 4-	41 4-	28 3o	27	23-	14	22-
28	22	28	34	16	25		30 3o	38 3+	50 4-	22 3-	19 2+	21 3-	12 2-	7 1o	25	20+	14	20o
29	15	14	21	8	15		20 2+	14 2o	29 3o	24 3-	6 1o	5 1-	8 1+	11 2-	15	15-	7	13+
30	21	19	20	20	20		11 2-	34 3+	18 2+	15 2o	12 2-	12 2-	28 3o	16 2o	18	18-	9	17+

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 1997

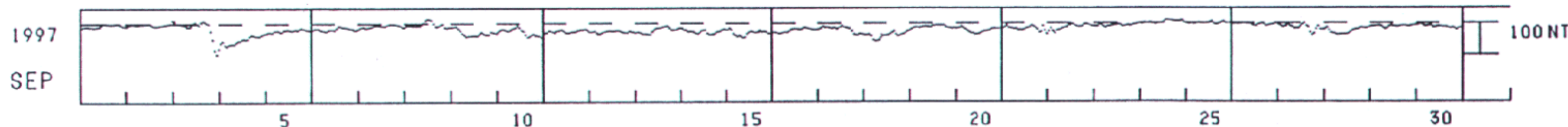


Dst monthly table of hourly indices - September 1997

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

SEPTEMBER 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	-11	-10	-9	-9	-9	-11	-11	-11	-9	-9	-4	0	0	-1	-2	-1	-1	-1	0	0	-2	-5	-8	-8	
2	-7	-4	-2	-2	-2	-3	-2	-1	-2	-1	2	2	-1	-5	-7	-7	-6	-5	-4	-3	-1	-1	0	11	
3	9	2	0	-2	-2	-4	-8	-10	-10	-5	3	6	2	-4	6	9	8	4	2	-22	-50	-84	-96	-77	
4	-60	-55	-67	-70	-67	-65	-64	-64	-59	-54	-53	-50	-48	-50	-47	-39	-35	-37	-39	-40	-40	-34	-32	-31	
5	-28	-26	-26	-28	-23	-23	-23	-26	-24	-21	-19	-17	-21	-22	-19	-18	-20	-16	-14	-16	-18	-19	-21	-21	
6	-19	-15	-15	-16	-19	-22	-23	-24	-20	-17	-18	-19	-13	-7	-7	-12	-11	-11	-13	-15	-16	-19	-19	-18	
7	-13	-11	-10	-13	-13	-12	-10	-7	-6	-5	-5	-8	-8	-7	-3	-1	-2	-1	-2	-3	-4	-5	-9	-11	
8	-8	-6	-5	-7	-7	-7	-7	-8	-3	4	11	16	14	12	1	-7	-10	-7	-3	-2	-12	-14	-12	-11	
9	-11	-9	-10	-15	-22	-31	-34	-42	-40	-39	-40	-37	-37	-39	-32	-27	-30	-36	-36	-34	-26	-28	-30	-30	
10	-24	-21	-18	-20	-23	-25	-21	-16	-14	-13	-8	-12	-21	-25	-35	-44	-42	-38	-33	-38	-38	-39	-44	-36	
11	-30	-28	-23	-25	-27	-28	-25	-23	-20	-20	-25	-28	-30	-29	-26	-27	-26	-22	-19	-19	-19	-18	-21	-26	
12	-27	-27	-24	-28	-33	-33	-28	-26	-24	-24	-23	-24	-24	-23	-22	-23	-26	-28	-29	-29	-25	-27	-26	-28	
13	-27	-27	-28	-32	-33	-32	-34	-34	-26	-20	-15	-15	-14	-11	-10	-8	-8	-14	-19	-20	-21	-17	-16	-14	
14	-16	-20	-20	-26	-24	-27	-26	-30	-32	-28	-22	-22	-20	-30	-35	-36	-35	-32	-27	-27	-24	-20	-18	-19	
15	-21	-16	-19	-32	-37	-41	-39	-42	-45	-43	-33	-28	-24	-26	-28	-27	-26	-22	-27	-25	-27	-31	-32	-30	
16	-29	-29	-30	-32	-30	-28	-28	-28	-24	-21	-18	-18	-18	-17	-19	-17	-13	-13	-16	-17	-19	-20	-19	-20	
17	-17	-13	-10	-13	-12	-14	-15	-15	-14	-18	-15	-12	-8	-12	-14	-14	-16	-25	-35	-37	-37	-33	-35	-36	
18	-38	-37	-36	-39	-52	-57	-55	-53	-45	-40	-37	-38	-37	-32	-29	-25	-35	-39	-38	-35	-32	-28	-24	-22	
19	-18	-14	-12	-12	-13	-12	-11	-10	-9	-11	-11	-8	-6	-6	-6	-6	-5	-6	-11	-14	-14	-15	-14	-15	
20	-14	-13	-10	-14	-18	-22	-27	-30	-31	-34	-34	-33	-31	-26	-24	-24	-22	-19	-16	-16	-15	-15	-16	-17	
21	-16	-11	-7	-13	-15	-16	-17	-16	-22	-20	-22	-19	-16	-13	-12	-6	-10	-13	-19	-29	-26	-7	-22	-33	
22	-25	-15	-25	-30	-23	-19	-19	-16	-13	-11	-6	-5	-2	-5	-10	-11	-12	-10	-4	-2	-4	-5	-8	-10	
23	-10	-9	-4	-6	-9	-13	-9	-10	-7	-6	-6	-5	-4	-5	-9	-8	-7	-6	-7	-6	-4	-2	-1	0	
24	-1	3	4	2	3	3	1	-2	0	2	1	4	9	11	9	9	9	7	7	8	8	9	4	0	
25	-2	-1	1	-2	0	1	3	2	1	1	2	3	4	5	-1	-4	-1	2	6	5	2	2	1	1	
26	-1	-2	-2	-1	0	2	2	0	-1	-2	-5	-7	-7	-4	-2	0	-2	-7	-6	-5	-3	-3	0	-2	
27	-5	-9	-11	-10	-5	-6	-10	-12	-15	-15	-15	-9	-4	0	-8	-12	-29	-38	-32	-18	-10	-20	-20	-21	
28	-16	-13	-22	-31	-33	-33	-38	-37	-34	-35	-36	-36	-33	-27	-22	-20	-19	-17	-14	-14	-16	-15	-14	-11	
29	-10	-9	-9	-8	-7	-9	-16	-18	-16	-10	-8	-9	-10	-11	-10	-7	-7	-7	-8	-9	-8	-8	-5	-6	
30	-5	-2	-3	-7	-9	-8	-8	-7	-14	-12	-12	-10	-11	-12	-11	-12	-14	-15	-13	-15	-19	-15	-14	-13	



Note: The baselines for the observatories were adjusted for secular change for the Provisional Dst values for September 1997.