

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES  
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES  
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



**Bureau des Publications SIIG - Bulletin Mensuel n°97-06 - Juin 1997**  
**ISGI Publications Office Monthly Bulletin n°97-06-June 1997**

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

Ce Bulletin est adressé gracieusement aux Scientifiques intéressés, grâce à une dotation du FAGS et au soutien du laboratoire d'accueil, le CETP, et des organismes français de Recherche Scientifique (CNRS, INSU, BCMT).  
 Nous remercions aussi tout particulièrement les collaborateurs du Bulletin (cités ci-dessous) qui nous fournissent les données à diffuser dans des délais aussi brefs que possible.

*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).  
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

PRELIMINARY REPORT ON RAPID VARIATIONS		JUNE 1997
<p style="text-align: center;"><b>SSC - Storm Sudden Commencements</b></p> <p>08 16 36    A : DOB                      19 00 32    B : HRB TEN                                C : NGK BDV NAG*                                    (0030-0034)</p> <p>22 03 13    A : TEN                                C : BDV* CLF NAG* SPT                                    (0312-0316)</p>	<p style="text-align: center;"><b>SFE - Solar Flare Effects</b></p> <p style="text-align: center;">None</p>	
<p>REPORTING OBSERVATORIES (up to th 2nd of August 1997) :</p> <p>SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR COI BJI SPT FRD                      KAK HTY KNY QUE TEN LNP HYB ETT HER CNB</p>		

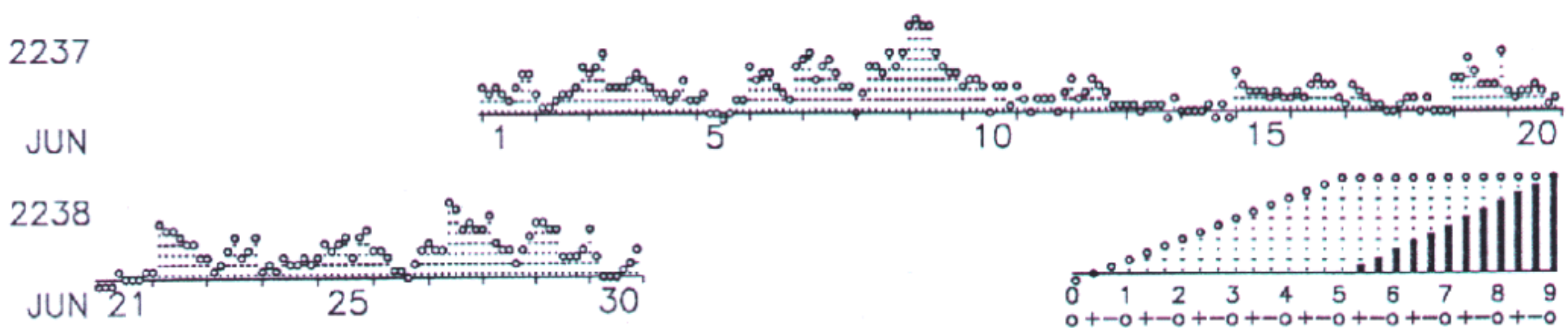
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
<b>June 1997</b>	21	14	13	18	5	9	27*	8*	7*	3*

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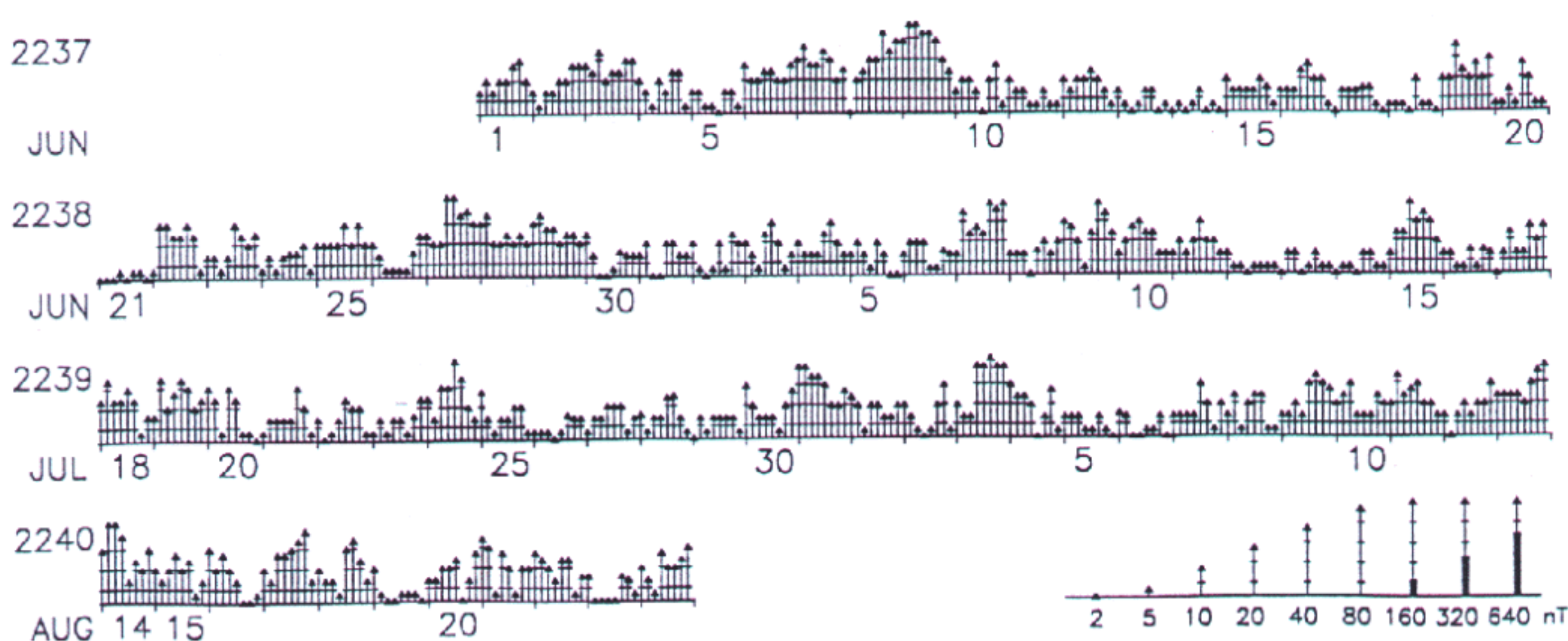


JUNE 1997		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am $\Sigma$ Km		Ap $\Sigma$ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	14	13	10	17	14	C	12 2-	10 1+	12 2-	10 1+	7 1o	13 2-	18 2+	17 2+	12	13+	6	13o
2	15	8	7	16	12	C	9 1+	4 1-	5 1-	6 1o	8 1+	10 1+	12 2-	24 3-	10	11-	6	11+
3	23	17	20	20	20		19 2+	23 3-	35 3+	13 2-	11 2-	12 2-	15 2o	18 2+	18	18-	9	17o
4	10	10	9	11	10	CC	14 2o	13 2-	8 1+	10 1+	6 1o	10 1+	14 2o	7 1o	10	12-	5	10+
5	6	7	7	6	6	CC*	6 1o	10 1+	3 0+	3 0+	1 0o	2 0+	6 1o	7 1o	5	5+	3	6o
6	18	12	15	15	15		26 3-	14 2o	20 2+	17 2+	12 2-	9 1+	7 1o	21 3-	16	16o	8	15+
7	27	20	25	21	23		31 3o	34 3+	16 2o	22 3-	31 3o	19 2+	11 2-	12 2-	22	20-	10	19-
8	27	27	14	40	27		3 0+	8 1+	21 3-	24 3-	20 2+	39 3+	25 3-	37 3+	22	19-	12	19o
9	52	51	66	36	51		72 5-	97 5o	77 5-	72 5-	40 3+	24 3-	18 2+	20 2+	53	30-	33	32o
10	11	9	10	10	10	C	12 2-	15 2o	16 2o	11 2-	2 0+	11 2-	13 2-	4 1-	11	12-	5	11-
11	9	5	8	6	7	CC	12 2-	7 1o	3 0+	6 1o	6 1o	7 1o	3 0+	8 1+	7	8-	3	6o
12	10	11	11	10	11	CC	14 2o	6 1o	9 1+	15 2o	13 2-	9 1+	5 1-	4 1-	9	11-	5	10o
13	5	6	5	6	5	CC*	4 1-	4 1-	2 0+	4 1-	5 1-	4 1-	1 0o	6 1o	4	5-	3	4+
14	4	4	4	4	4	CC*	2 0+	2 0+	2 0+	3 0+	5 1-	1 0o	5 1-	1 0o	3	3-	2	4-
15	11	7	9	9	9	CC	19 2+	13 2-	10 1+	8 1+	8 1+	6 1o	8 1+	6 1o	10	11+	5	11o
16	14	8	10	12	11	CC	7 1o	10 1+	7 1o	12 2-	15 2o	11 2-	12 2-	7 1o	10	11+	5	11+
17	8	5	7	6	6	CC	4 1-	11 2-	9 1+	6 1o	5 1-	5 1-	3 0+	2 0+	6	7-	4	7o
18	7	3	4	6	5	CK*	5 1-	6 1o	6 1o	3 0+	6 1o	3 0+	2 0+	3 0+	4	5o	3	5+
19	20	16	20	17	18	K	14 2o	16 2o	32 3o	17 2+	13 2-	12 2-	11 2-	35 3+	19	18-	8	17-
20	8	8	6	11	8	CC	8 1+	6 1o	10 1+	9 1+	12 2-	10 1+	4 1-	6 1o	8	10-	4	8-
21	4	3	3	4	3	CC*	1 0o	0 0o	1 0o	5 1-	2 0+	2 0+	3 0+	4 1-	2	2+	2	3-
22	18	15	17	15	16	K	5 1-	30 3o	23 3-	21 3-	18 2+	14 2o	15 2o	8 1+	17	17-	8	16-
23	14	11	7	17	12	CC	8 1+	4 1-	6 1o	11 2-	18 2+	10 1+	11 2-	17 2+	11	12+	6	11+
24	10	5	7	9	8	CC	5 1-	6 1o	5 1-	10 1+	6 1o	6 1o	8 1+	7 1o	7	8o	4	7+
25	16	14	12	18	15	C	10 1+	14 2o	13 2-	14 2o	18 2+	10 1+	17 2+	22 3-	15	16-	7	15o
26	10	6	8	9	8	C	13 2-	13 2-	8 1+	5 1-	4 1-	3 0+	7 1o	13 2-	8	9o	4	8+
27	34	29	25	38	31		14 2o	11 2-	13 2-	58 4o	44 4-	26 3-	29 3o	21 3-	27	21+	17	22+
28	18	16	20	14	17		21 3-	35 3+	15 2o	13 2-	11 2-	7 1o	11 2-	18 2+	16	16+	8	15o
29	17	21	24	14	19		31 3o	28 3o	21 3-	25 3-	8 1+	8 1+	10 1+	11 2-	18	17o	8	15-
30	8	6	7	8	7	CC	21 3-	8 1+	2 0+	2 0+	3 0+	4 1-	6 1o	11 2-	7	8+	4	8o

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JUN-AUG 1997



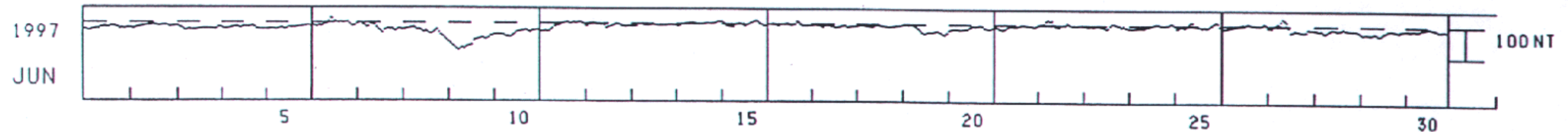


Dst monthly table of hourly indices - June 1997

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

JUNE 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	-21	-23	-24	-23	-21	-18	-17	-17	-13	-13	-11	-14	-13	-10	-9	-10	-12	-14	-17	-16	-18	-16	-15	-15	
2	-16	-18	-15	-14	-12	-12	-10	-9	-7	-8	-7	-6	-7	-8	-9	-8	-8	-7	-7	-11	-11	-9	-10	-9	
3	-13	-16	-20	-24	-23	-21	-23	-23	-23	-23	-21	-20	-18	-18	-18	-17	-18	-17	-18	-20	-20	-14	-14	-13	
4	-18	-18	-17	-17	-16	-15	-13	-12	-12	-16	-15	-12	-11	-11	-11	-11	-10	-12	-18	-19	-20	-21	-19	-19	
5	-21	-20	-18	-18	-19	-19	-17	-16	-16	-19	-17	-13	-13	-14	-14	-14	-12	-11	-10	-9	-9	-8	-10	-9	
6	-8	-10	-11	-8	-9	-8	-4	-3	5	15	14	6	3	2	3	2	1	4	3	-3	-9	-10	-7	-2	
7	1	2	-5	-8	-14	-11	-3	-3	-5	-14	-21	-25	-30	-23	-19	-17	-19	-17	-22	-25	-20	-18	-19	-19	
8	-20	-17	-15	-15	-14	-14	-20	-19	-21	-25	-28	-25	-29	-32	-32	-29	-24	-21	-29	-38	-42	-47	-53	-59	
9	-64	-71	-75	-82	-85	-82	-78	-82	-75	-73	-70	-69	-56	-52	-50	-50	-47	-45	-49	-50	-45	-40	-40	-36	
10	-35	-34	-34	-34	-38	-41	-41	-43	-42	-37	-32	-26	-24	-25	-22	-22	-21	-25	-26	-22	-22	-21	-19	-20	
11	-24	-25	-23	-25	-22	-17	-13	-7	-5	-6	-3	1	3	6	5	2	4	6	4	5	6	5	1	-5	
12	-6	-1	4	4	4	2	-1	-1	-1	-4	-11	-10	-7	-6	-3	1	0	-2	-5	-6	-7	-6	-6	-7	
13	-8	-8	-6	0	2	0	-3	-3	-3	-3	-2	-2	-3	-4	-3	-3	-4	-4	-3	-2	-1	-1	-3	-4	
14	-6	-3	1	1	3	3	4	5	6	4	1	0	0	2	3	4	4	3	3	4	6	9	8	9	
15	6	-3	-6	-7	-8	-7	-2	1	3	1	-1	-5	-1	1	5	7	10	12	10	4	1	-3	-3	0	
16	1	2	3	0	-1	-3	0	0	0	3	3	0	-1	2	1	10	8	2	-4	-3	-4	-4	-3	-2	
17	-2	-2	-2	-3	-6	-8	-4	-2	-2	-4	-6	-8	-9	-8	-8	-6	-3	-4	-8	-7	-6	-5	-5	-5	
18	-4	-2	-1	-4	-6	-6	-5	-8	-5	-2	-2	-4	-4	-5	-5	-6	-7	-5	-5	-5	-4	-4	-3	-1	
19	0	0	-1	0	-2	-3	-7	-11	-18	-24	-28	-28	-25	-24	-24	-24	-22	-21	-25	-27	-31	-33	-27	-17	
20	-15	-15	-14	-14	-15	-16	-15	-15	-13	-13	-9	-8	-4	-5	-4	-3	-1	-4	-9	-11	-13	-13	-10	-10	
21	-7	-8	-11	-14	-15	-14	-10	-6	-4	-3	-5	-5	-3	-1	1	0	-1	-2	-2	-3	-4	-5	-3	1	
22	3	4	6	14	18	13	16	3	-3	-4	-6	0	2	1	7	4	2	-1	0	-2	1	0	0	0	
23	-2	-3	-3	-2	-4	-2	-1	-2	-3	-5	-7	-9	-7	2	5	5	4	1	0	-5	-2	-5	-8	-7	
24	-10	-10	-8	-7	-7	-8	-8	-8	-4	-4	-1	1	4	5	5	3	2	1	2	3	4	7	6	0	
25	-7	-5	-2	-4	-5	-2	6	12	11	0	-2	-1	-3	-6	-3	-6	-5	-2	3	7	12	10	-1	-7	
26	-9	-10	-7	-6	-6	-3	-2	-1	2	3	5	4	6	8	5	3	3	3	2	2	4	7	6	-3	
27	-5	-5	2	3	7	8	16	24	21	14	-3	-20	-18	-13	-16	-16	-18	-21	-20	-18	-10	-10	-11	-12	
28	-12	-14	-16	-14	-19	-22	-17	-14	-9	-9	-11	-13	-11	-11	-8	-12	-11	-13	-14	-13	-13	-15	-18	-23	
29	-26	-25	-25	-25	-27	-25	-23	-25	-28	-29	-25	-20	-18	-14	-11	-12	-13	-13	-16	-17	-13	-13	-11	-11	
30	-12	-13	-13	-11	-12	-13	-13	-11	-8	-7	-7	-5	-3	-4	-5	-7	-8	-9	-13	-14	-14	-12	-13	-14	



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