

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



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CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	March 1998
Classification of days	- five international quietest days and most disturbed days	March 1998
aa	- hemispheric N, S, daily values and planetary half day and daily values	March 1998
	- musical diagram of aa (latest values)	Mar.1998 up to May 17 th 1998
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	March 1998
	- corrected values	year 1998
am, Km	- three hour indices values musical diagram of Km	March 1998
Am, ΣKm	- daily values	March 1998
Ap, ΣKp	- daily values	March 1998
Dst	- monthly tables of hourly indices	March 1998

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

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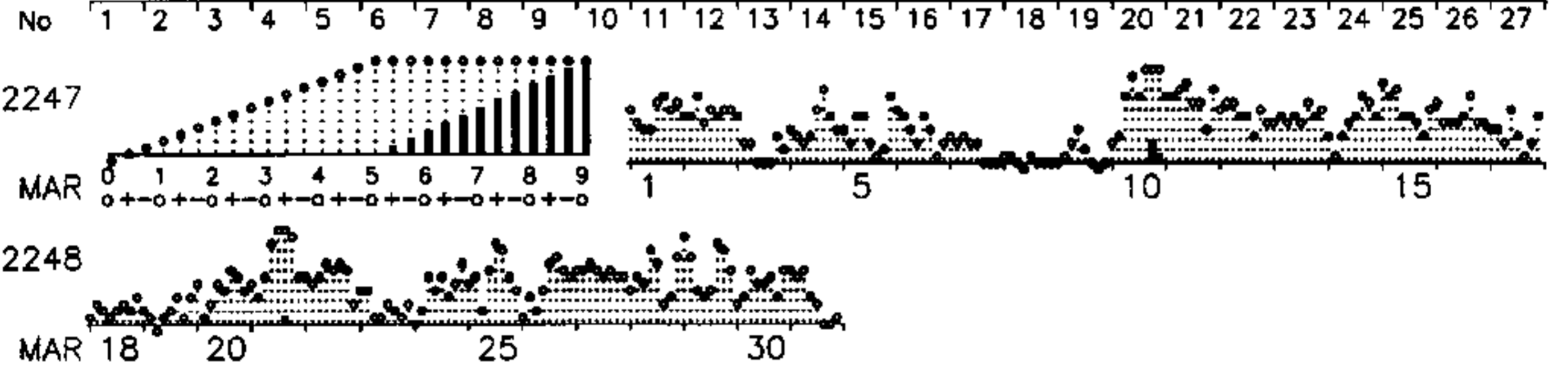
PRELIMINARY REPORT ON RAPID VARIATIONS	MARCH 1998
SSC - Storm Sudden Commencements	SFE - Solar Flare Effects
04 11 56 A : BJI B : WNG HRB* NAG* C : NGK CLF* HYB ETT	02 0905-0915 CLF 17 1041-XXXX NGK 24 1058-1119 NAG 28 0709-XXXX NGK (ssc: HRB)
REPORTING OBSERVATORIES (up to th 4th of may 1998) :	
SOD DOB NUR WNG NGK VAL CLF HRB NAG GCK MMB EBR COI BJI KAK HTY KNY TEN HYB ETT CNB AMS CZT PAF DRV	

	FIVE INTERNATIONAL QUIETEST DAYS	FIVE INTERNATIONAL MOST DISTURBED DAYS
March 1998	8 9 19 7 18	10 21 11 29 15

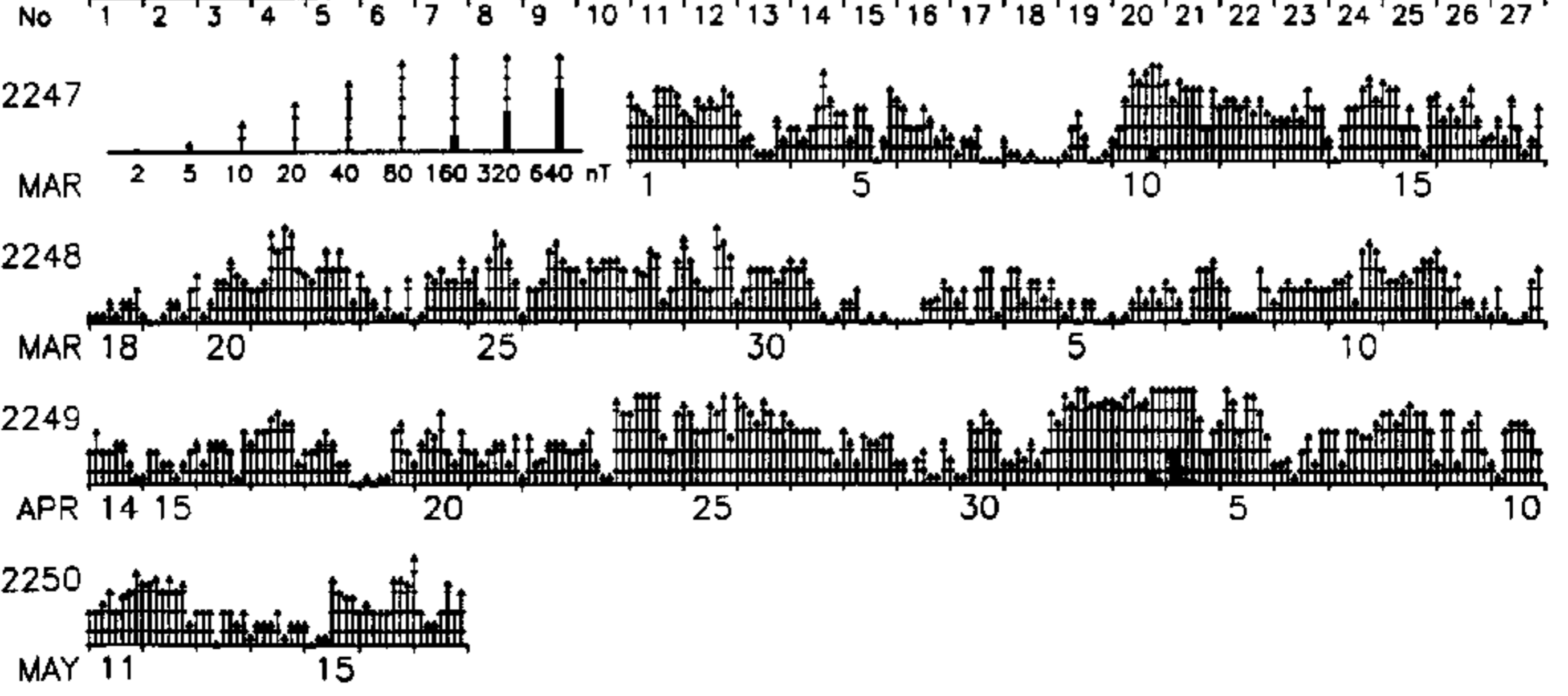
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MARCH 1998						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa					quiet days	am and Km for each three hour interval								Daily Average and Sum			
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	ΣKm	Ap	ΣKp
1	2	28	11	19	15		33 3o	17 2+	14 2o	14 2o	39 3+	41 4-	27 3o	39 3+	28	23-	16	24-
2	34	23	23	35	29		25 3-	21 3-	41 4-	20 2+	29 3o	24 3-	30 3o	29 3o	27	23o	16	25o
3	10	9	11	9	10	C	25 3-	9 1+	8 1+	3 0+	2 0+	3 0+	13 2-	8 1o	9	9o	4	8-
4	23	27	11	39	25		16 2o	12 2-	8 1+	12 2-	31 3o	51 4o	24 3-	15 2o	21	18+	10	17+
5	18	18	19	17	18		15 2o	9 1+	23 3-	23 3-	8 1+	4 1-	7 1o	44 4-	17	15+	9	15+
6	11	20	20	11	15	K	29 3o	23 3-	15 2o	10 1+	21 3-	14 2o	5 1-	9 1+	16	16-	8	14+
7	2	6	4	4	4	CC*	11 2-	8 1+	11 2-	9 1+	10 1+	2 0+	2 0+	2 0+	7	8+	3	7-
8	2	5	4	2	3	CC*	5 1-	4 1-	3 0+	1 0o	4 1-	3 0+	2 0+	2 0+	3	3+	2	2+
9	4	10	10	5	7	CK*	3 0+	5 1-	10 1+	16 2o	7 1o	3 0+	1 0o	2 0+	6	6o	2	4-
10	67	61	33	94	64		8 1+	12 2-	49 4-	82 5-	45 4-	94 5o	172 6o	118 5+	73	31+	53	35o
11	48	38	49	37	43		47 4-	44 4-	60 4o	62 4+	38 3+	39 3+	14 2o	56 4o	45	28+	28	31-
12	30	24	28	26	27		27 3o	37 3+	35 3+	21 3-	23 3-	13 2-	29 3o	19 2+	26	22o	14	23o
13	11	20	18	13	15		17 2+	21 3-	20 2+	25 3-	17 2+	35 3+	23 3-	28 3o	23	21+	12	21+
14	2	27	8	21	14		13 2-	4 1-	12 2-	20 2+	22 3-	42 4-	36 3+	26 3-	22	19-	10	18o
15	2	22	17	7	12	K	63 4+	46 4-	51 4o	21 3-	23 3-	19 2+	11 2-	32 3o	33	24+	20	24o
16	26	23	23	26	24		34 3+	19 2+	19 2+	20 2+	24 3-	42 4-	18 2+	17 2+	24	21+	12	20+
17	16	13	16	12	14		16 2o	14 2o	9 1+	28 3o	12 2-	4 1-	8 1+	24 3-	14	15-	8	15o
18	8	6	6	8	7	CC*	4 1-	10 1+	6 1o	5 1-	6 1o	8 1+	7 1o	12 2-	7	9-	4	7o
19	7	5	4	8	6	CC*	7 1o	4 1-	0 0o	5 1-	6 1o	12 2-	5 1-	11 2-	6	7+	4	7o
20	20	13	12	21	17		18 2+	4 1-	8 1+	18 2+	15 2o	30 3o	21 3-	16 2o	16	16+	8	16o
21	48	44	30	63	47		20 2+	11 2-	24 3-	66 4+	89 5o	111 5+	77 5-	22 3-	53	29-	35	30+
22	23	29	27	25	26		23 3-	18 2+	24 3-	37 3+	28 3o	34 3+	27 3o	9 1+	25	22-	12	21-
23	14	7	11	10	11	C	16 2o	15 2o	4 1-	4 1-	8 1+	6 1o	4 1-	8 1+	8	10-	6	10o
24	17	17	11	22	17		2 0+	6 1o	22 3-	14 2o	25 3-	11 2-	19 2+	34 3+	17	16o	7	13+
25	28	39	21	47	34		20 2+	23 3-	7 1o	29 3o	61 4+	51 4o	25 3-	15 2o	29	22o	16	22o
26	25	26	11	40	26		4 1-	11 2-	7 1o	16 2o	38 3+	49 4-	27 3o	23 3-	22	18o	12	18o
27	31	23	24	30	27		31 3o	31 3o	36 3+	27 3o	24 3-	28 3o	22 3-	24 3-	28	23+	15	24o
28	20	28	26	23	24		14 2o	23 3-	18 2+	51 4o	37 3+	8 1+	12 2-	43 4-	26	21o	11	19+
29	48	36	32	63	42		75 5-	48 4-	16 2o	13 2-	15 2o	62 4+	57 4o	32 3o	40	25+	20	26-
30	16	23	17	22	20		10 1+	11 2-	32 3o	18 2+	20 2+	21 3-	11 2-	32 3o	20	18o	8	16o
31	20	11	26	5	16		33 3o	26 3-	29 3o	13 2-	9 1+	3 0+	2 0+	5 1-	15	13o	9	14o

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAR 1998



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAR-MAY 1998

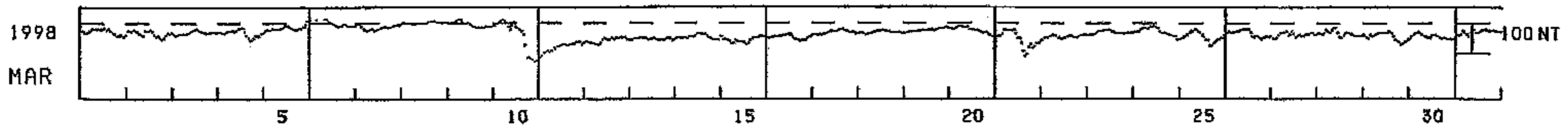


Dst monthly table of hourly indices - March 1998

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MARCH 1998

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	-25	-28	-34	-33	-28	-23	-20	-21	-23	-21	-22	-19	-18	-24	-19	-25	-33	-35	-40	-43	-42	-38	-44	-39	
2	-26	-25	-29	-23	-23	-28	-36	-37	-40	-24	-26	-25	-23	-27	-38	-44	-43	-49	-52	-47	-39	-30	-36	-31	
3	-36	-40	-39	-36	-35	-35	-36	-34	-30	-27	-24	-20	-19	-22	-25	-28	-30	-31	-33	-30	-30	-29	-30	-30	
4	-29	-29	-32	-32	-28	-28	-24	-23	-27	-23	-17	-16	-16	-28	-39	-47	-56	-55	-47	-41	-41	-41	-33	-30	
5	-24	-21	-22	-22	-18	-19	-20	-19	-18	-16	-11	-8	-8	-14	-18	-20	-21	-20	-18	-18	-13	-5	9	6	
6	10	3	0	11	0	1	-1	13	14	9	5	1	-4	-7	-10	-9	-9	-4	-4	-8	-9	-10	-11	-9	
7	-4	-6	-11	-18	-22	-25	-23	-21	-19	-24	-22	-19	-17	-14	-13	-13	-15	-14	-12	-9	-7	-6	-7	-4	
8	3	1	0	0	-1	-3	-4	-1	0	0	-1	0	0	3	5	5	6	3	1	2	1	1	1	2	
9	-1	1	3	6	9	12	12	6	0	0	1	-5	-8	-13	-15	-14	-15	-14	-15	-13	-11	-11	-11	-8	
10	-6	-1	4	9	10	9	1	-13	-23	-8	5	-14	-18	-22	-26	-37	-72	-114	-112	-118	-121	-126	-123	-119	
11	-112	-105	-97	-92	-90	-95	-88	-78	-83	-77	-75	-72	-70	-68	-71	-72	-68	-66	-66	-61	-61	-62	-70	-64	
12	-61	-60	-63	-66	-67	-66	-69	-69	-63	-55	-50	-51	-55	-52	-50	-52	-50	-49	-45	-45	-45	-45	-52	-54	
13	-54	-51	-50	-50	-49	-46	-49	-48	-49	-52	-51	-51	-48	-51	-54	-57	-52	-55	-52	-50	-50	-51	-56	-52	
14	-47	-47	-48	-49	-47	-48	-49	-44	-44	-44	-41	-34	-34	-36	-35	-35	-40	-45	-49	-53	-52	-53	-52	-43	
15	-44	-52	-52	-54	-59	-67	-64	-57	-59	-60	-62	-61	-64	-70	-65	-57	-51	-48	-47	-45	-42	-40	-44	-46	
16	-50	-49	-46	-46	-44	-46	-42	-42	-41	-39	-38	-35	-39	-47	-53	-52	-56	-59	-57	-55	-56	-48	-44	-40	
17	-37	-38	-39	-38	-39	-36	-35	-33	-29	-25	-26	-28	-25	-23	-20	-21	-24	-26	-28	-31	-29	-30	-35	-34	
18	-33	-32	-34	-37	-36	-34	-32	-30	-29	-26	-26	-25	-24	-25	-26	-27	-29	-30	-30	-30	-30	-31	-32	-33	
19	-32	-30	-29	-28	-27	-27	-27	-26	-25	-24	-24	-24	-23	-23	-23	-25	-22	-21	-19	-19	-19	-16	-14	-17	
20	-19	-21	-22	-17	-13	-10	-10	-16	-15	-14	-23	-22	-23	-24	-24	-28	-29	-32	-30	-31	-37	-41	-45	-44	
21	-43	-42	-40	-35	-23	-22	-24	-23	-22	-23	-34	-50	-50	-66	-92	-109	-102	-79	-68	-81	-77	-66	-64	-58	
22	-54	-50	-46	-48	-43	-39	-38	-41	-49	-49	-51	-49	-45	-44	-40	-41	-46	-46	-45	-43	-39	-37	-38	-38	
23	-39	-38	-37	-36	-30	-26	-25	-25	-24	-22	-23	-23	-26	-29	-32	-34	-33	-33	-34	-33	-30	-30	-31	-31	
24	-28	-27	-27	-23	-18	-17	-18	-19	-14	-10	-8	-14	-18	-25	-31	-31	-33	-36	-38	-39	-42	-43	-53	-51	
25	-49	-46	-43	-36	-30	-26	-25	-21	-22	-27	-30	-39	-44	-52	-54	-72	-72	-65	-60	-52	-51	-46	-39	-35	
26	-32	-28	-31	-29	-29	-26	-26	-22	-21	-19	-19	-19	-29	-42	-46	-41	-42	-48	-53	-48	-42	-43	-45	-41	
27	-49	-50	-47	-39	-33	-31	-29	-28	-39	-35	-27	-34	-45	-40	-37	-43	-41	-38	-36	-35	-31	-30	-38	-36	
28	-32	-33	-35	-30	-23	-26	-31	-23	-16	-16	-31	-44	-47	-39	-32	-31	-33	-36	-38	-40	-40	-41	-41	-37	
29	-40	-46	-49	-38	-42	-39	-36	-31	-31	-31	-31	-30	-30	-27	-33	-42	-52	-56	-62	-70	-66	-62	-58	-52	
30	-46	-40	-36	-33	-29	-30	-37	-42	-46	-48	-45	-41	-39	-39	-43	-48	-51	-49	-49	-51	-51	-51	-51	-44	
31	-38	-40	-35	-26	-31	-38	-42	-29	-17	-28	-31	-31	-27	-22	-22	-22	-24	-25	-24	-23	-25	-27	-28	-27	



Note: The baselines for the observatories were adjusted for secular change for the Provisional Dst values for March 1998.