

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°96 - 10 - Octobre 1996
ISGI Publications Office Monthly Bulletin n°96 - 10 - October 1996

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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.

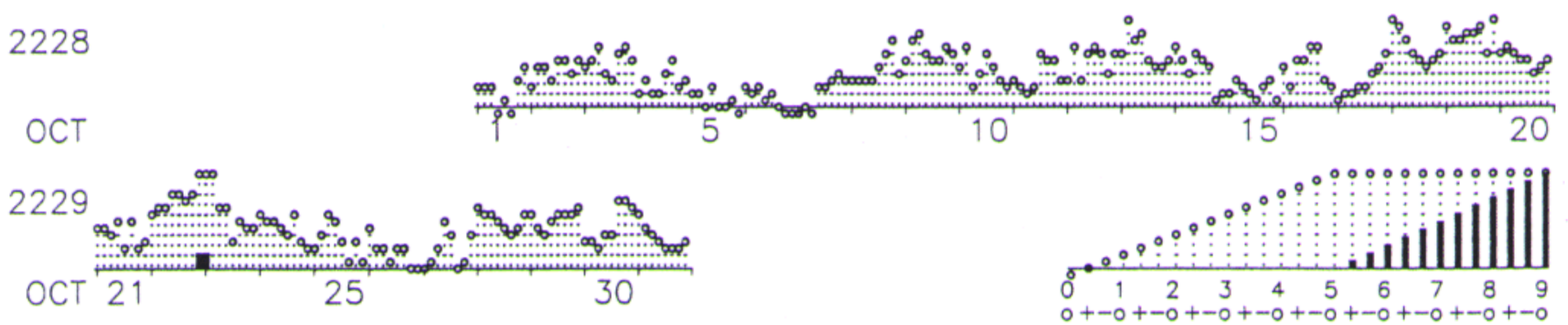
PRELIMINARY REPORT ON RAPID VARIATIONS		OCTOBER 1996
SSC - Storm Sudden Commencements	SFE - Solar Flare Effects	
None	06 1013-1022 NGK BDV NAG 22 1353-1402 TEN 29 1231-1236 CLF (ssc : HRB*)	
REPORTING OBSERVATORIES (up to the 2nd Decembre 1996) :		
SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR COI SPT FRD KAK HTY KNY QUE TEN LNP CNB AMS CZT PAF DRV		

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
October 1996	6	5	7	26	27	19	22	23	18	9

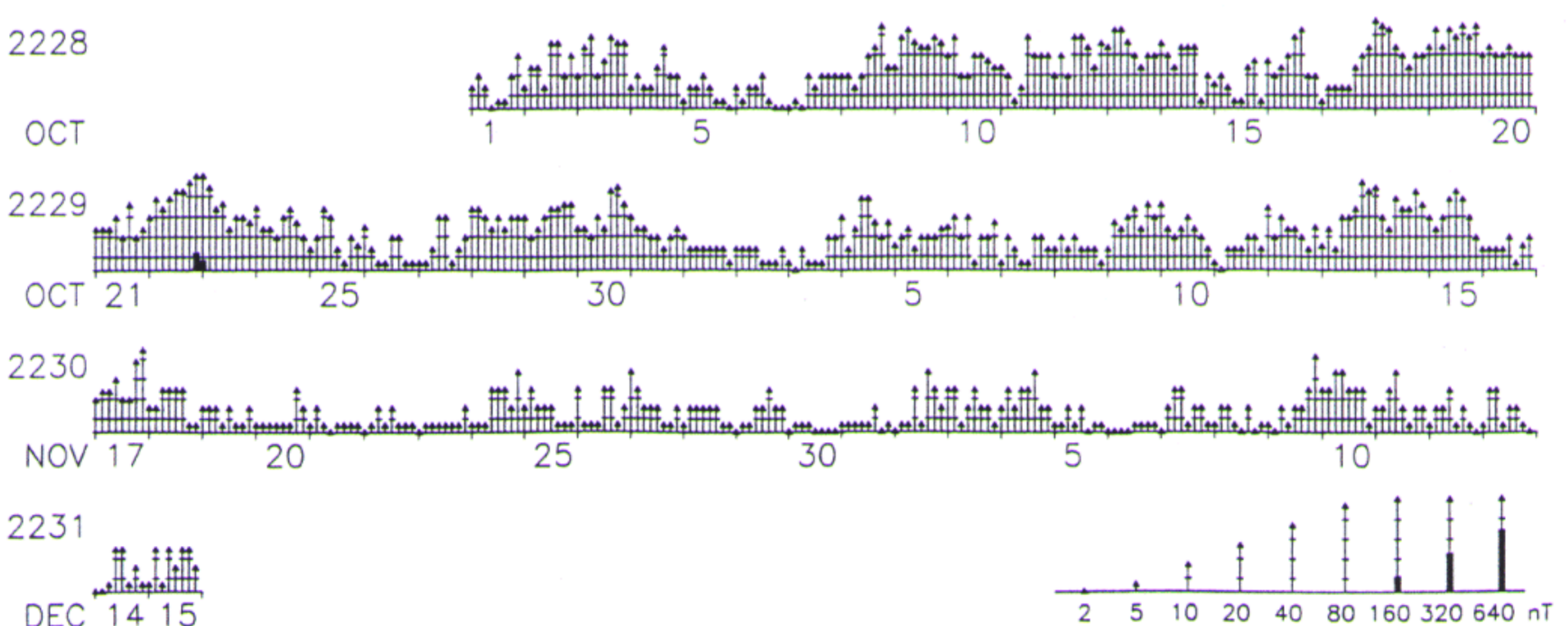
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OCTOBRE 1996 Geomagnetic Indices (provisional)															Daily Average and Sum			
	aa				D	quiet days	am and Km for each three hour interval								Am	Σ Km	Ap	Σ Kp
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	12	7	8	12	10	C C	9 1+	10 1+	8 1+	1 0o	4 1-	1 0o	12 2-	17 2+	8	9-	5	10-
2	26	13	12	28	20		10 1+	17 2+	17 2+	13 2-	25 3-	26 3-	14 2o	23 3-	18	18-	10	17+
3	38	23	26	35	30		18 2+	26 3-	36 3+	14 2o	12 2-	31 3o	36 3+	25 3-	25	21o	15	24-
4	14	13	9	18	14	K	7 1o	11 2-	7 1o	6 1o	15 2o	22 3-	9 1+	11 2-	11	12+	6	12o
5	7	6	8	5	7	C C *	6 1o	7 1o	2 0+	10 1+	3 0+	3 0+	5 1-	1 0o	5	15o	3	5+
6	6	7	7	5	6	C C *	8 1+	6 1o	10 1+	4 1-	6 1o	2 0+	0 0o	0 0o	5	6-	2	4+
7	9	8	5	11	8	C C *	1 0o	3 0+	0 0o	8 1+	9 1+	12 2-	14 2o	13 2-	8	8+	4	7+
8	26	19	11	35	23		11 2-	12 2-	12 2-	11 2-	18 2+	32 3o	47 4-	14 2o	20	18-	10	18-
9	41	35	40	37	38		21 3-	48 4-	51 4o	31 3o	23 3-	25 3-	40 3+	31 3o	34	25o	20	27-
10	23	21	23	21	22		20 2+	34 3+	10 1+	15 2o	29 3o	20 2+	13 2-	10 1+	19	17+	10	18o
11	20	20	10	30	20		11 2-	9 1+	7 1o	10 1+	31 3o	21 3-	26 3-	13 2-	16	15+	8	15o
12	29	27	24	33	28		11 2-	34 3+	11 2-	30 3o	40 3+	28 3o	16 2o	32 3o	25	21o	15	24-
13	32	37	47	22	35		27 3o	78 5-	49 4-	55 4o	21 3-	17 2+	19 2+	23 3-	36	25+	19	25-
14	28	20	27	20	24		39 3+	25 3-	15 2o	30 3o	24 3-	18 2+	5 1-	7 1o	20	18-	14	21-
15	14	6	9	12	10	C	7 1o	11 2-	9 1+	7 1o	4 1-	9 1+	12 2-	4 1-	8	9+	5	10-
16	25	25	18	32	25		18 2+	9 1+	21 3-	24 3-	34 3+	34 3+	12 2-	9 1+	20	19-	10	18+
17	15	12	7	20	14		5 1-	7 1o	6 1o	10 1+	8 1+	14 2o	19 2+	27 3o	12	13-	6	11+
18	48	33	60	22	41		72 5-	62 4+	50 4-	29 3o	21 3-	19 2+	23 3-	33 3o	39	26+	27	29+
19	62	39	46	56	51		62 4+	47 4-	41 4-	58 4o	54 4o	61 4+	30 3o	76 5-	54	32-	38	36o
20	28	24	26	26	26		33 3o	36 3+	31 3o	21 3-	22 3-	15 2o	19 2+	22 3-	25	22-	16	24o
21	20	17	18	19	19		18 2+	19 2+	15 2o	23 3-	9 1+	21 3-	10 1+	13 2-	16	16+	8	16-
22	68	62	37	92	65		32 3o	35 3+	34 3+	53 4o	52 4o	50 4-	55 4o	135 6-	56	31o	38	35-
23	54	36	68	21	45		138 6-	96 5o	38 3+	38 3+	12 2-	24 3-	20 2+	17 2+	48	26+	37	29o
24	25	16	19	22	21		32 3o	23 3-	23 3-	20 2+	16 2o	27 3o	13 2-	10 1+	21	19-	10	19-
25	15	13	19	9	14		8 1+	15 2o	30 3o	21 3-	11 2-	5 1-	12 2-	5 1-	13	14-	6	13o
26	10	7	9	9	9	C C *	19 2+	8 1+	8 1+	5 1-	9 1+	8 1+	3 0+	2 0+	8	9o	4	8+
27	11	12	11	12	11	K *	3 0+	4 1-	8 1+	21 3-	16 2o	3 0+	5 1-	14 2o	9	10o	4	9o
28	24	24	26	22	24		37 3+	27 3o	27 3o	23 3-	18 2+	15 2o	20 2+	33 3o	25	22-	14	23+
29	32	21	19	35	27		27 3o	19 2+	15 2o	24 3-	30 3o	27 3o	30 3o	35 3+	26	22+	14	23o
30	37	25	17	45	31		12 2-	13 2-	8 1+	16 2o	15 2o	49 4-	44 4-	34 3+	24	19+	14	21+
31	15	14	17	12	15		27 3o	17 2+	14 2o	13 2-	9 1+	9 1+	10 1+	12 2-	14	15-	7	14+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) OCT 1996



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 1996

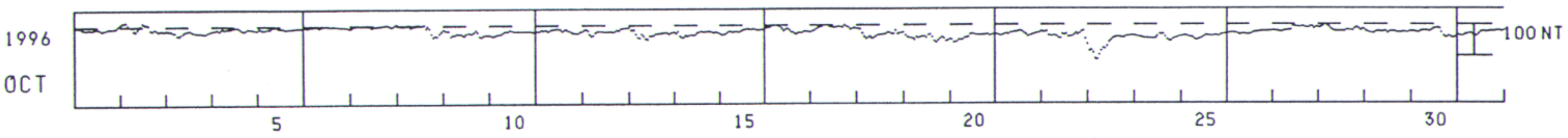


Dst monthly table of hourly indices - October 1996

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

OCTOBER 1996

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	-4	-4	-5	-9	-10	-11	-9	-10	-11	-10	-7	-7	-10	-13	-13	-11	-9	-8	-8	-7	-7	-5	1	5		
2	10	11	12	3	0	-4	-14	-15	-9	-3	1	9	5	5	3	-11	-13	-10	-12	-15	-16	-14	-16	-13		
3	-14	-15	-16	-21	-19	-28	-31	-27	-22	-18	-16	-13	-13	-17	-20	-23	-22	-22	-23	-24	-24	-21	-17	-15		
4	-14	-13	-11	-15	-12	-10	-11	-10	-9	-10	-8	-5	-6	-6	-9	-14	-16	-13	-10	-10	-11	-11	-13	-13		
5	-10	-12	-14	-14	-12	-10	-9	-6	-4	-3	-7	-8	-8	-10	-11	-10	-9	-9	-9	-8	-8	-7	-7	-6		
6	-6	-7	-6	-5	-3	-3	-4	-7	-5	-3	-2	-2	-4	-3	-3	-3	-4	-6	-6	-6	-5	-5	-7	-9		
7	-8	-3	-1	-2	-1	-2	-2	-1	-2	-4	-7	-5	-4	-4	-3	-1	0	2	1	0	-6	-3	2	4		
8	-1	-3	-4	-4	-1	2	-8	-5	-4	2	2	-2	-1	1	-9	-4	-9	-27	-37	-33	-34	-26	-19	-14		
9	-15	-18	-18	-34	-30	-30	-27	-28	-26	-30	-33	-27	-24	-26	-27	-22	-16	-23	-35	-38	-32	-31	-31	-30		
10	-32	-34	-33	-30	-28	-28	-25	-21	-21	-19	-16	-17	-21	-20	-19	-20	-20	-21	-20	-20	-20	-21	-22	-22		
11	-20	-19	-16	-17	-16	-17	-19	-16	-13	-14	-11	-11	-14	-19	-15	-13	-17	-20	-24	-24	-27	-26	-22	-20		
12	-16	-13	-17	-28	-35	-32	-25	-21	-20	-21	-20	-22	-23	-20	-20	-23	-21	-16	-17	-12	-11	-9	-9	-8		
13	-16	-15	-16	-28	-39	-41	-29	-34	-44	-45	-34	-35	-33	-29	-27	-27	-26	-25	-24	-24	-29	-25	-24	-22		
14	-26	-19	-34	-39	-39	-32	-34	-33	-31	-32	-31	-24	-22	-20	-22	-23	-21	-20	-21	-23	-24	-23	-24	-27		
15	-31	-30	-28	-24	-21	-21	-22	-20	-20	-22	-20	-16	-14	-13	-11	-13	-13	-12	-14	-15	-16	-15	-13	-12		
16	-10	-7	-7	-4	-2	-2	-4	-6	-11	-17	-13	-11	-15	-23	-23	-27	-28	-25	-24	-24	-21	-19	-19	-22		
17	-21	-17	-13	-10	-7	-6	-2	0	-2	-5	-8	-8	-8	-7	-5	-7	-7	0	-6	-7	-13	-11	-9	-11		
18	-11	-14	-26	-37	-44	-39	-37	-43	-42	-36	-32	-31	-30	-30	-28	-25	-25	-28	-28	-18	-28	-27	-25	-24		
19	-32	-40	-41	-41	-44	-47	-40	-41	-39	-38	-37	-41	-33	-30	-40	-52	-56	-50	-44	-39	-43	-51	-49	-46		
20	-47	-55	-55	-53	-47	-48	-48	-42	-41	-39	-31	-29	-30	-33	-32	-33	-32	-32	-31	-31	-35	-33	-31	-30		
21	-30	-32	-34	-32	-31	-28	-30	-26	-25	-25	-23	-22	-20	-23	-26	-30	-37	-35	-33	-30	-29	-26	-26	-23		
22	-24	-25	-23	-34	-37	-37	-35	-36	-44	-44	-30	-32	-31	-40	-40	-37	-33	-27	-32	-28	-23	-20	-45	-62		
23	-84	-82	-90	-108	-110	-97	-84	-75	-77	-68	-55	-49	-44	-42	-39	-39	-42	-41	-41	-38	-36	-35	-35	-35		
24	-36	-40	-40	-41	-44	-44	-43	-44	-45	-46	-44	-37	-31	-30	-31	-39	-48	-52	-52	-46	-43	-41	-40	-37		
25	-36	-35	-37	-39	-41	-42	-47	-49	-48	-45	-44	-40	-34	-35	-36	-37	-37	-35	-36	-36	-33	-32	-31	-28		
26	-28	-27	-26	-26	-29	-31	-32	-31	-30	-31	-32	-33	-30	-27	-25	-24	-24	-23	-22	-22	-22	-22	-22	-20		
27	-20	-22	-23	-23	-24	-22	-19	-19	-19	-18	-8	-8	-8	-9	-9	-8	-9	-11	-12	-8	-8	-14	-10	-10		
28	-12	-10	-6	-1	-6	-9	-16	-20	-22	-22	-22	-22	-23	-22	-18	-18	-19	-20	-14	-10	-14	-20	-16	-15		
29	-22	-25	-27	-28	-28	-24	-22	-23	-25	-22	-22	-28	-24	-22	-23	-25	-26	-27	-27	-25	-25	-26	-25	-22		
30	-22	-25	-25	-27	-23	-20	-20	-21	-22	-22	-18	-14	-14	-11	-13	-27	-36	-42	-42	-36	-42	-43	-41	-35		
31	-35	-36	-37	-32	-30	-30	-28	-33	-38	-36	-30	-24	-22	-23	-24	-23	-23	-23	-22	-20	-21	-19	-22	-20		



Note: The baselines for the observatories were adjusted for secular change for the Provisional Dst values for October 1996. Beginning October 1994, the observatory data include realtime INTERMAGNET data.