FÉDÉRATION DES SERVICES D'ANALYSE DE DONNÉES ASTRONOMIQUES ET GÉOPHYSIQUES
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 — ***JULY 2000***

SSC - Storm Sudden Commencements

10 6 38	A :	CLF* BJI SPT* LNP HYB
	B :	NUR* NGK* HRB HTY* GUI GNA
	C :	BDV* EBR* HER
13 09 42	A :	CLF NAG* BJI LNP
	B :	SOD* NUR* GCK HTY* HYB
	C :	NGK* BDV* EBR SPT*
14 15 32	A :	NGK* NAG* BJI SPT* HTY LNP HYB
	B :	BDV* GCK* EBR*
15 14 37	A :	NUR* NGK* BDV CLF* HRB NAG* GCK MMB EBR* SPT* KAK HTY KNY GUI LNP HYB HER
19 15 27	A :	SOD* HRB NAG* BJI SPT* GUI LNP
	B :	NGK* BDV* CLF* GCK* MMB EBR* KAK HTY* GNA CNB
	C :	NUR* HYB
23 10 41	B :	HRB
	C :	NGK* BDV* CLF GCK*
26 18 57	A :	NAG SPT
	B :	NGK BDV EBR* HYB
28 06 34	A :	BJI LNP HYB GNA
	B :	NUR* CLF SPT HTY*
	C :	NGK* BDV EBR*

SFE - Solar Flare Effects

01	2317-2349	HTY+
09	0718-0731	LNP HYB
11	1319-1330	HRB
12	2031-2045	MMB+ KAK+
17	0924-0931	BDV+
21	0518-0536	MMB+ KAK+ KNY+
21	1433-1502	GUI
25	0246-0305	MMB+ KAK+ HTY+ KNY+ LNP
27	0407-0422	MMB+ KAK+ HTY+ KNY+ LNP
27	2339-2351	HTY+

REPORTING OBSERVATORIES *(up to 1st of September 2000)* :
SOD NUR NGK BDV CLF HRB NAG GCK MMB EBR BJI SPT KAK HTY KNY GUI LNP HYB ETT GNA HER CNB

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
July 2000	2	7	24	6	25	15	14	16	20	11

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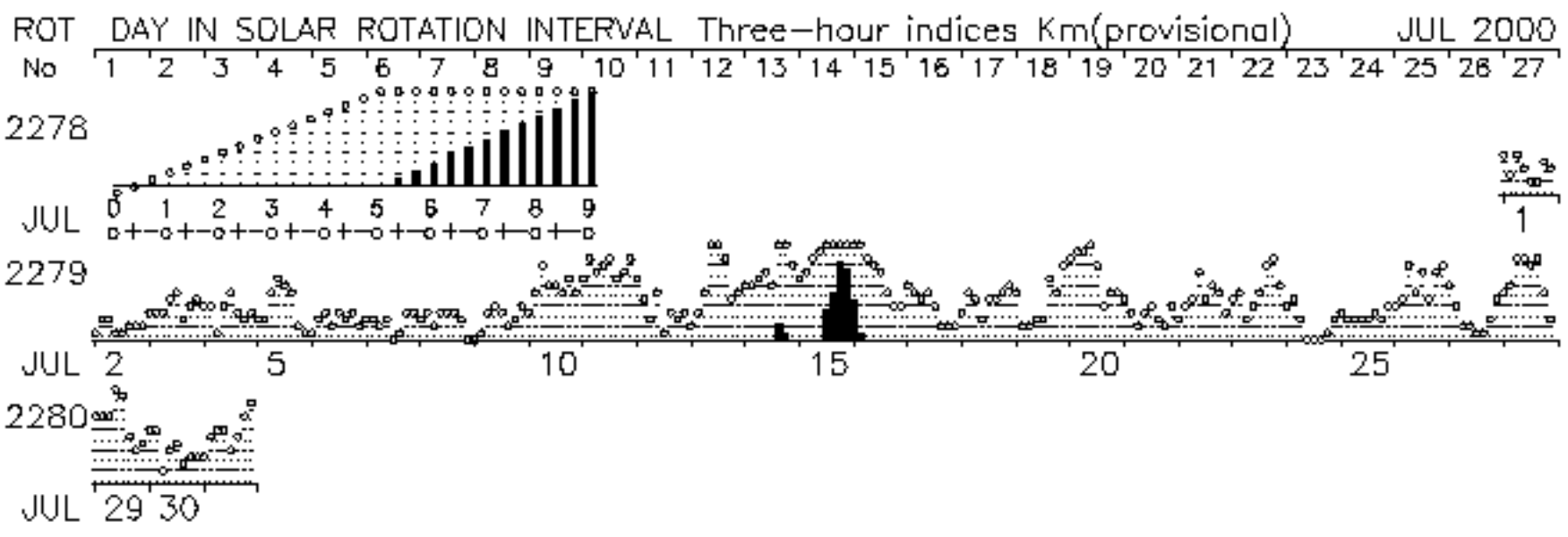
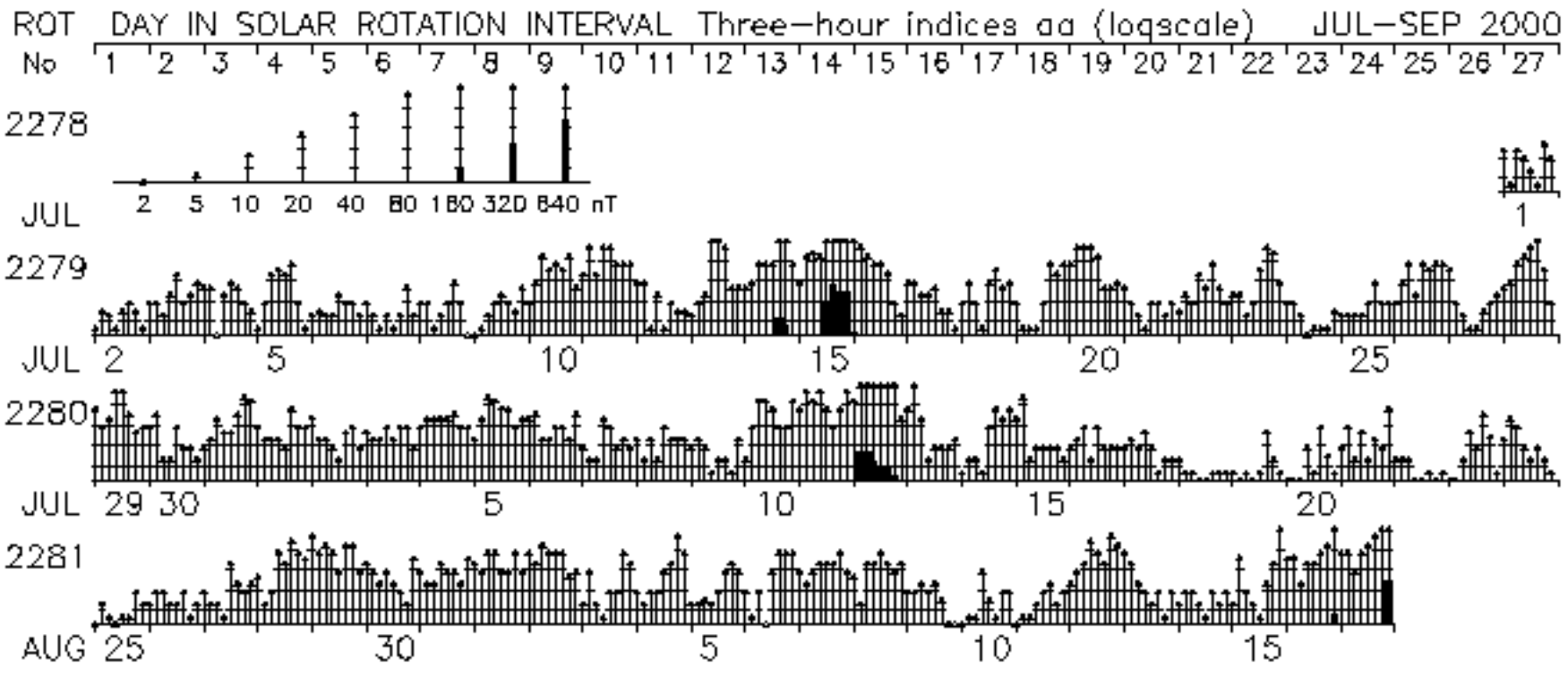
JULY 2000	Geomagnetic Indices *(provisional)*																Daily Average and Sum			
	aa					quiet	am and *Km* for each three hour interval													
	N	S	am	pm	D	days	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	14	10	12	11	12	C C	20 *2+*	8 *1+*	19 *2+*	11 *2-*	7 *1o*	6 *1o*	14 *2o*	11 *2-*	12	13+	7	14-
2	11	5	7	9	8	C C *	5 *1-*	9 *1+*	9 *1+*	5 *1-*	4 *1-*	7 *1o*	6 *1o*	7 *1o*	7	8-	4	9-
3	19	14	12	21	17		13 *2-*	11 *2-*	13 *2-*	18 *2+*	23 *3-*	9 *1+*	14 *2o*	20 *2+*	15	16-	8	16o
4	22	9	15	16	15		16 *2o*	15 *2o*	5 *1-*	16 *2o*	26 *3-*	11 *2-*	10 *1+*	11 *2-*	14	14o	8	16o
5	23	22	22	24	23		8 *1+*	9 *1+*	21 *3-*	35 *3+*	31 *3o*	24 *3-*	7 *1o*	4 *1-*	17	16o	9	17-
6	12	8	8	12	10	C K *	5 *1-*	10 *1+*	12 *2-*	7 *1o*	12 *2-*	8 *1+*	12 *2-*	7 *1o*	9	10+	5	11+
7	11	7	8	10	9	C C *	10 *1+*	9 *1+*	7 *1o*	10 *1+*	3 *0+*	5 *1-*	11 *2-*	12 *2-*	8	9+	5	11o
8	14	8	9	13	11	C C	10 *1+*	11 *2-*	6 *1o*	11 *2-*	13 *2-*	12 *2-*	8 *1+*	2 *0+*	9	11-	6	13-
9	13	8	7	14	11	C	3 *0+*	4 *1-*	13 *2-*	14 *2o*	13 *2-*	7 *1o*	8 *1+*	16 *2o*	10	11-	6	12o
10	52	22	33	40	37		12 *2-*	25 *3-*	56 *4o*	32 *3o*	31 *3o*	26 *3-*	34 *3+*	25 *3-*	30	23o	20	26+
11	62	48	56	54	55		34 *3+*	63 *4+*	42 *4-*	59 *4o*	64 *4+*	39 *3+*	41 *4-*	63 *4+*	51	31o	34	34+
12	18	8	17	9	13	K	39 *3+*	17 *2+*	8 *1+*	22 *3-*	5 *1-*	11 *2-*	9 *1+*	11 *2-*	15	15o	9	16-
13	51	39	35	56	45		7 *1o*	11 *2-*	21 *3-*	88 *5o*	98 *5o*	63 *4+*	18 *2+*	23 *3-*	41	25-	42	30o
14	93	40	34	99	66		32 *3o*	30 *3o*	35 *3+*	50 *4-*	32 *3o*	144 *6-*	110 *5+*	52 *4o*	61	31o	51	36o
15	264	150	52	363	207		40 *3+*	49 *4-*	61 *4+*	83 *5-*	174 *6+*	264 *7o*	449 *8+*	401 *8o*	190	46-	164	50o
16	66	33	75	25	50		220 *7-*	117 *5+*	64 *4+*	53 *4o*	49 *4-*	23 *3-*	15 *2o*	14 *2o*	69	31-	50	34o
17	21	10	20	11	15		32 *3o*	25 *3-*	20 *2+*	23 *3-*	15 *2o*	6 *1o*	6 *1o*	7 *1o*	17	16-	8	16+
18	28	11	13	26	20		13 *2-*	22 *3-*	19 *2+*	10 *1+*	18 *2+*	20 *2+*	22 *3-*	27 *3o*	19	18+	12	20o
19	29	12	7	34	20		22 *3-*	7 *1o*	7 *1o*	9 *1+*	10 *1+*	39 *3+*	22 *3-*	55 *4o*	21	17+	14	19+
20	59	43	72	31	51		69 *4+*	79 *5-*	73 *5-*	94 *5o*	56 *4o*	14 *2o*	21 *3-*	25 *3-*	54	30o	36	34-
21	15	7	11	11	11	C	19 *2+*	12 *2-*	7 *1o*	11 *2-*	15 *2o*	10 *1+*	7 *1o*	14 *2o*	12	13o	7	14-
22	27	14	17	24	21		10 *1+*	16 *2o*	18 *2+*	42 *4-*	18 *2+*	28 *3o*	23 *3-*	12 *2-*	21	19o	12	21-
23	43	22	13	52	33		17 *2+*	21 *3-*	10 *1+*	15 *2o*	24 *3-*	52 *4o*	66 *4+*	28 *3o*	29	22+	23	25o
24	10	5	9	6	7	C *	16 *2o*	17 *2+*	9 *1+*	3 *0+*	3 *0+*	3 *0+*	5 *1-*	10 *1+*	8	9-	5	9+
25	14	9	8	15	12	C K *	12 *2-*	10 *1+*	8 *1+*	9 *1+*	8 *1+*	11 *2-*	8 *1+*	15 *2o*	10	12o	5	11+
26	38	30	25	43	34		14 *2o*	20 *2+*	52 *4o*	26 *3-*	41 *4-*	19 *2+*	41 *4-*	57 *4o*	34	25-	19	26-
27	17	9	16	11	13	K	30 *3o*	16 *2o*	6 *1o*	7 *1o*	4 *1-*	5 *1-*	8 *1+*	18 *2+*	12	12o	7	12+
28	54	41	37	58	48		22 *3-*	30 *3o*	65 *4+*	61 *4+*	54 *4o*	64 *4+*	21 *3-*	10 *1+*	41	27-	32	31o
29	45	41	46	41	43		43 *4-*	42 *4-*	46 *4-*	101 *5o*	75 *5-*	23 *3-*	16 *2o*	19 *2+*	46	28-	27	30o
30	20	13	19	14	17		29 *3o*	31 *3o*	7 *1o*	15 *2o*	18 *2+*	9 *1+*	12 *2-*	13 *2-*	17	16o	8	16o
31	44	21	20	46	33		21 *3-*	41 *4-*	16 *2o*	10 *1+*	6 *1o*	6 *1o*	10 *1+*	19 *2+*	16	15+	21	25-

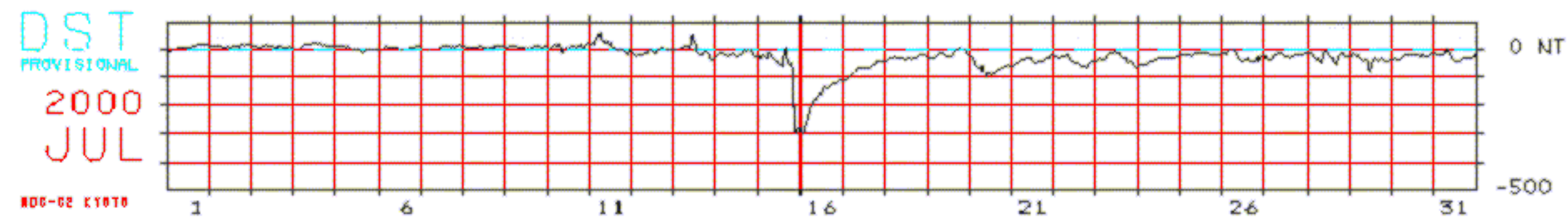




HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - July 2000 -

Unit=NT U.T.

DAY	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	-6	-7	-1	3	6	7	8	7	10	10	7	9	10	12	16	19	19	20	20	22	17	17	15
2	16	14	13	12	12	14	11	8	9	10	12	10	11	12	12	12	11	17	17	16	17	20	20	18
3	14	12	6	6	9	12	16	18	12	12	16	15	8	4	12	14	13	9	8	8	10	12	10	6
4	1	1	5	10	12	17	19	22	21	20	24	23	18	27	18	16	17	12	16	16	14	14	14	15
5	15	15	15	15	12	11	13	7	2	-5	-4	-4	-3	-11	-14	-9	-3	-3	-3	-4	-4	-1	0	0
6	2	5	10	13	13	9	10	8	11	9	6	3	0	-1	1	2	5	6	6	10	11	13	13	8
7	5	5	4	2	-1	1	1	5	5	7	7	10	12	14	13	13	12	11	12	10	13	17	15	16
8	12	10	9	9	9	10	10	11	12	13	9	10	6	4	6	7	6	11	14	13	13	13	15	14
9	11	11	14	16	15	15	15	10	8	11	7	5	6	3	6	10	12	12	15	10	8	14	14	8
10	5	5	11	14	17	15	21	6	-13	2	8	4	3	13	14	12	11	13	19	10	10	18	24	19
11	18	25	20	38	50	56	29	24	28	27	29	21	24	8	6	-2	-2	-1	-3	-10	-13	-18	-7	5
12	-12	-22	-24	-22	-22	-17	-14	-13	-12	-1	-5	-11	-13	-13	-5	1	7	7	3	-2	-3	-1	-4	-3
13	-1	0	3	6	7	14	15	12	7	21	53	31	21	-16	-17	-20	-11	-10	-13	-21	-34	-36	-35	-33
14	-27	-19	-12	-12	-18	-18	-25	-18	-17	-16	-19	-24	-26	-21	-16	-4	-9	0	5	4	-15	-24	-23	-26
15	-29	-22	-24	-32	-28	-14	-15	-19	-32	-37	-43	-44	-51	-60	-20	10	-38	-54	-47	-63	-202	-300	-282	-281
16	-295	-293	-272	-251	-225	-205	-196	-182	-179	-170	-161	-147	-139	-132	-135	-135	-128	-123	-120	-119	-117	-112	-111	-112
17	-108	-106	-101	-95	-90	-85	-80	-74	-64	-65	-65	-65	-66	-66	-65	-61	-55	-53	-47	-43	-43	-39	-39	-40
18	-40	-35	-32	-33	-29	-26	-31	-28	-31	-33	-37	-38	-33	-32	-35	-33	-29	-30	-25	-17	-17	-21	-24	-30
19	-31	-33	-32	-32	-31	-26	-20	-13	-16	-21	-25	-25	-25	-25	-22	-10	-2	-3	6	2	-4	-7	-18	-27
20	-26	-29	-44	-56	-65	-64	-59	-78	-85	-95	-87	-87	-90	-86	-86	-75	-70	-70	-63	-59	-56	-53	-56	-60
21	-57	-53	-48	-45	-41	-37	-34	-31	-30	-31	-33	-40	-47	-47	-44	-40	-39	-39	-36	-33	-31	-28	-21	-21
22	-24	-26	-28	-29	-26	-24	-20	-21	-29	-39	-43	-45	-45	-48	-52	-56	-61	-64	-56	-47	-43	-44	-41	-39
23	-39	-35	-30	-34	-34	-30	-17	-14	-15	-13	-11	-12	-13	-14	-24	-29	-32	-45	-42	-44	-47	-57	-66	-61
24	-54	-54	-53	-53	-46	-43	-43	-40	-39	-37	-35	-33	-31	-30	-30	-29	-30	-29	-28	-28	-29	-27	-23	-20
25	-20	-19	-19	-20	-22	-23	-19	-14	-15	-15	-15	-13	-13	-14	-15	-16	-17	-19	-20	-22	-22	-19	-17	-15
26	-16	-18	-11	-5	1	0	-1	-15	-25	-36	-44	-40	-37	-33	-40	-44	-41	-39	-36	-25	-43	-34	-26	-18
27	-27	-35	-37	-35	-29	-22	-17	-12	-12	-15	-21	-24	-26	-28	-27	-24	-21	-22	-20	-18	-19	-18	-15	-14
28	-14	-14	-19	-24	-28	-38	-31	-44	-49	-29	-11	-15	-23	-32	-28	-49	-52	-38	-21	-12	-13	-23	-25	-24
29	-27	-14	-20	-23	-22	-31	-37	-44	-36	-42	-61	-74	-65	-40	-30	-35	-40	-34	-31	-36	-41	-39	-38	-38
30	-35	-32	-34	-36	-35	-32	-24	-20	-19	-19	-17	-17	-19	-20	-21	-23	-22	-23	-20	-23	-23	-19	-16	-17
31	-16	-17	-17	-19	-22	-19	-13	-5	-15	-24	-34	-41	-41	-39	-39	-36	-28	-28	-33	-32	-29	-24	-22	-31



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