



Bureau des Publications SIIG - Bulletin Mensuel n°03 - 10- Octobre 2003
ISGI Publications Office Monthly Bulletin n°03 - 10 - October 2003

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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 2003

SSC - Storm Sudden Commencements

24 15 24	A: VAL* DOU COI* SPT* GUI HYB B: NGK* BDV* CLF* NAG* GCK* C: HRB EBR
26 19 08	B: GUI CNB* C: NGK* BDV* CLF NAG* GCK EBR SPT* HYB SI: VAL
28 02 06	A: NAG COI B: SOD* VAL EBR SPT GUI C: NGK* DOU BDV* CLF GCK
29 06 11	A: NUR* NGK* VAL DOU BDV* CLF HRB NAG* GCK MMB* EBR* COI* SPT* KAK* HTY* KNY* GUI* HYB CNB*

SFE - Solar Flare Effects

01	0445-0511	MMB+ KAK+ HTY+ KNY+
02	0654-0706	HTY+
02	0832-0910	GUI HYB
05	1521-1542	GUI
06	1042-1109	GUI
13	1247-1300	GUI
14	1910-1940	GUI
23	1300-1326	GUI
24	0506-0531	MMB+ KAK+ HTY+ KNY+
24	1332-1432	GUI
26	0610-0710	MMB+ KAK+ HTY+ KNY+ HYB
26	0624-0635	NGK+
26	0838-0903	SPT
26	0927-0955	GUI
27	1226-1315	GUI
28	1101-1203	NGK+ BDV+

REPORTING OBSERVATORIES (up to 01/12/2003) :

SOD NUR NGK VAL DOU BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI HYB GNA CNB

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
October 2003	11	10	12	23	4K	29	30	31	14	21

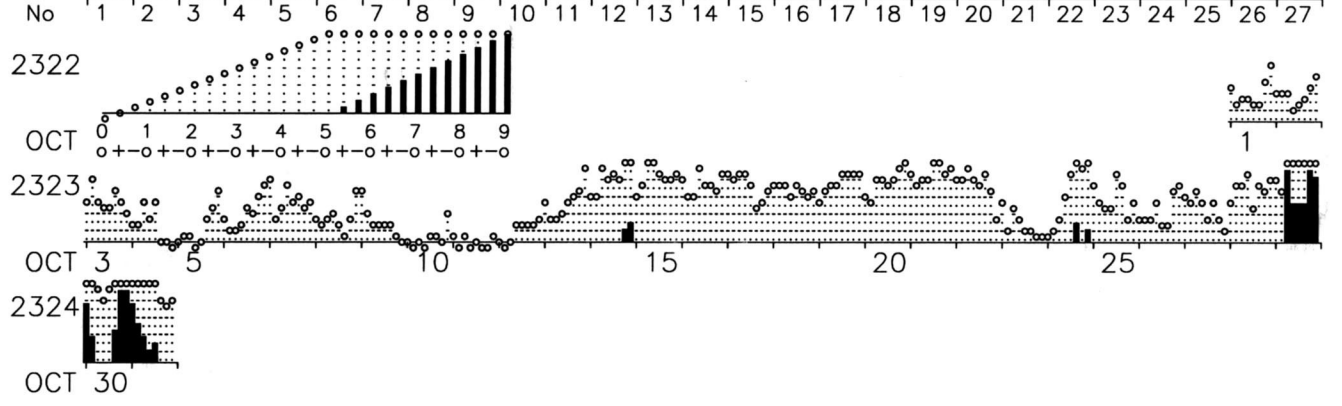
Directeur de la Publication : J. PARIS - Edité le 22/12/2003 par E. LEMAULF

Collaborateurs : L.F. ALBERCA SILVA - P. CUGNON - T. KAMEI - M. MENVIELLE - M. SIEBERT - M. SUGIURA
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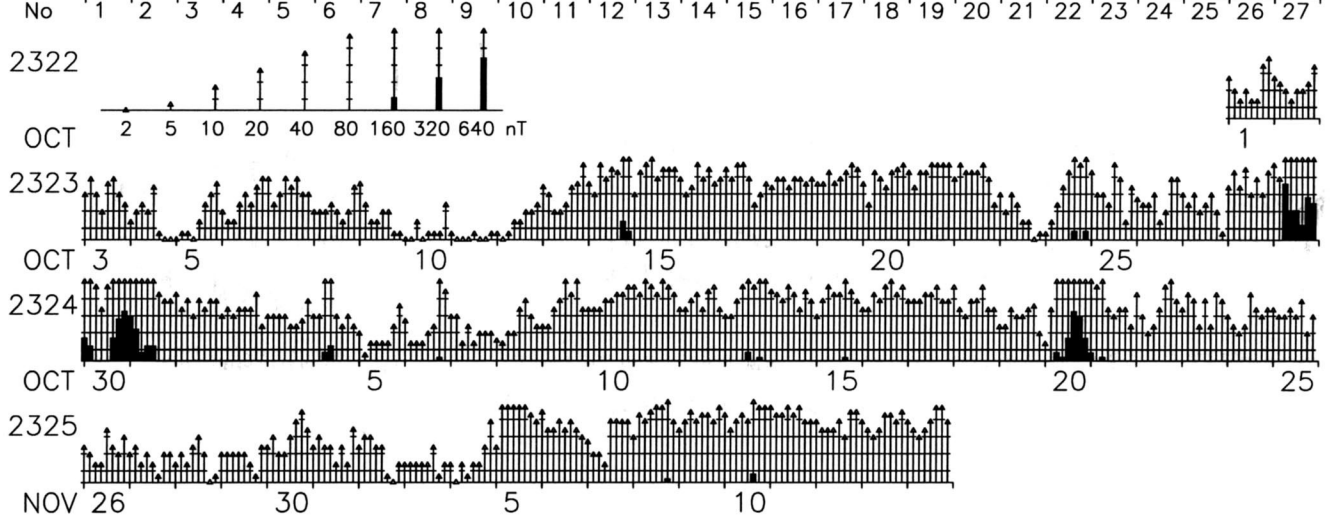
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OCTOBER 2003													Geomagnetic Indices (provisional)				Daily Average and Sum					
	aa				D	quiet days	am and Km for each three hour interval								Am		Σ Km		Ap		Σ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp				
1	24	12	13	24	18		17 2+	9 1+	13 2-	11 2-	10 1+	9 1+	25 3-	47 4-	18	160	10	16+				
2	18	14	14	18	16		16 2o	14 2o	14 2o	7 1o	8 1+	13 2-	19 2+	27 3o	15	15+	8	15o				
3	37	20	26	31	28		25 3-	53 4o	23 3-	20 2+	20 2+	35 3+	25 3-	15 2o	27	22o	17	24+				
4	12	10	12	10	11	K *	8 1+	10 1+	21 3-	12 2-	21 3-	2 0+	2 0+	0o	10	10+	5	10o				
5	16	9	4	21	12	K K	2 0+	4 1-	4 1-	1 0o	3 0+	11 2-	20 2+	34 3+	10	9+	5	9o				
6	20	21	11	30	20		13 2-	7 1o	6 1o	10 1+	17 2+	14 2o	29 3o	46 4-	18	16o	9	16+				
7	36	28	33	31	32		52 4o	13 2-	17 2+	42 4-	24 3-	27 3o	19 2+	26 3-	28	22+	15	23+				
8	17	12	13	16	15		11 2-	10 1+	13 2-	15 2o	10 1+	5 1-	13 2-	34 3+	14	14-	6	14-				
9	16	9	17	9	13	K K	38 3+	16 2o	8 1+	10 1+	9 1+	8 1+	4 1-	3 0+	12	12-	7	12o				
10	7	5	4	8	6	CC *	2 0+	0 0o	2 0+	1 0o	5 1-	5 1-	3 0+	15 2o	4	4+	2	5-				
11	4	2	3	4	3	CC *	4 1-	1 0o	4 1-	1 0o	2 0+	1 0o	1 0o	5 1-	2	2+	2	3+				
12	8	9	5	12	9	CK *	3 0+	1 0o	2 0+	8 1+	8 1+	10 1+	9 1+	13 2-	7	8-	4	7o				
13	39	23	20	41	31		23 3-	12 2-	11 2-	16 2o	24 3-	28 3o	39 3+	72 5-	28	22-	16	23+				
14	99	62	47	114	80		29 3o	33 3o	71 5-	53 4o	63 4+	59 4o	139 6-	165 6o	77	35-	66	41+				
15	71	57	67	62	64		30 3o	46 4-	92 5o	88 5o	64 4+	57 4o	57 4o	64 4+	62	33+	44	38-				
16	57	37	46	49	47		57 4o	27 3o	28 3o	71 5-	48 4-	46 4-	38 3+	64 4+	47	30-	29	32+				
17	57	42	68	31	50		61 4+	58 4o	69 4+	63 4+	42 4-	20 2+	23 3-	40 3+	47	29o	32	32+				
18	48	34	39	43	41		42 4-	46 4-	42 4-	28 3o	46 4-	37 3+	30 3o	37 3+	39	27+	25	31-				
19	60	45	43	63	53		22 3-	35 3+	44 4-	46 4-	62 4+	66 4+	69 4+	67 4+	51	31-	37	36-				
20	57	42	40	60	50		30 3o	25 3-	55 4o	54 4o	43 4-	53 4o	72 5-	103 5o	54	31o	36	35o				
21	71	62	52	80	66		66 4+	43 4-	56 4o	51 4o	93 5o	91 5o	70 4+	82 5-	69	35o	49	40o				
22	58	53	61	50	55		58 4o	53 4o	72 5-	53 4o	46 4-	67 4+	34 3+	12 2-	49	30-	34	33o				
23	9	15	19	6	12	K *	25 3-	7 1o	17 2+	12 2-	7 1o	6 1o	5 1-	4 1-	10	11o	6	11o				
24	52	66	15	103	59		5 1-	7 1o	11 2-	29 3o	64 4+	157 6o	77 5-	141 6-	61	27o	38	29-				
25	33	40	31	42	36		46 4-	23 3-	19 2+	18 2+	65 4+	43 4-	11 2-	23 3-	31	23+	16	24-				
26	26	20	19	28	23		13 2-	12 2-	13 2-	21 3-	8 1+	9 1+	36 3+	44 4-	20	17+	10	17o				
27	18	16	19	14	17		29 3o	22 3-	35 3+	24 3-	12 2-	23 3-	11 2-	7 1o	20	19-	11	19o				
28	50	35	48	38	43		26 3-	44 4-	42 4-	61 4+	18 2+	46 4-	37 3+	55 4o	41	28-	25	30o				
29	306	291	281	316	299		55 4o	39 3+	514 9-	252 7o	251 7o	257 7o	551 9-	471 8+	299	54o	204	58+				
30	239	222	128	333	230		417 8o	193 6+	75 5-	51 4o	75 5-	207 7-	537 9-	592 9-	268	52-	191	56o				
31	186	173	279	80	179		433 8o	249 7o	179 6+	138 6-	168 6o	58 4o	45 4-	53 4o	165	45-	116	50+				

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) OCT 2003



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 2003

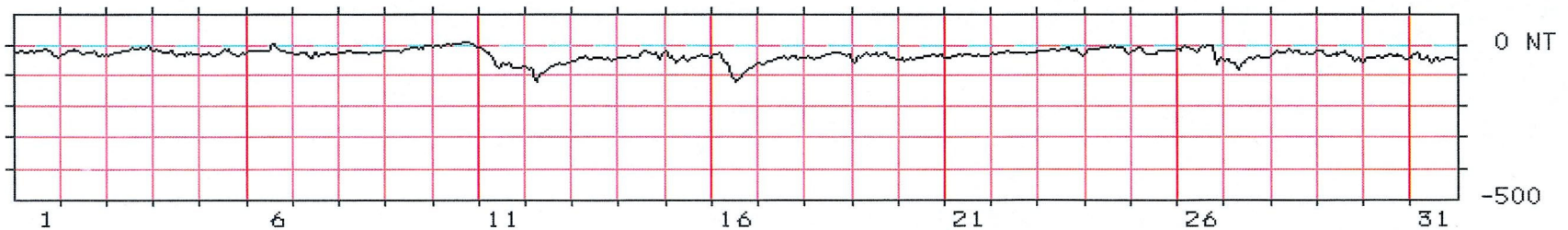


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - July 2003 -

Unit=nT

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
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7	-28	-31	-30	-24	-23	-23	-27	-38	-40	-39	-32	-27	-26	-34	-33	-28	-28	-26	-24	-28	-28	-31	-28	-25
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DST
PROVISIONAL
2003
JUL
WDC-C2 KYOTO

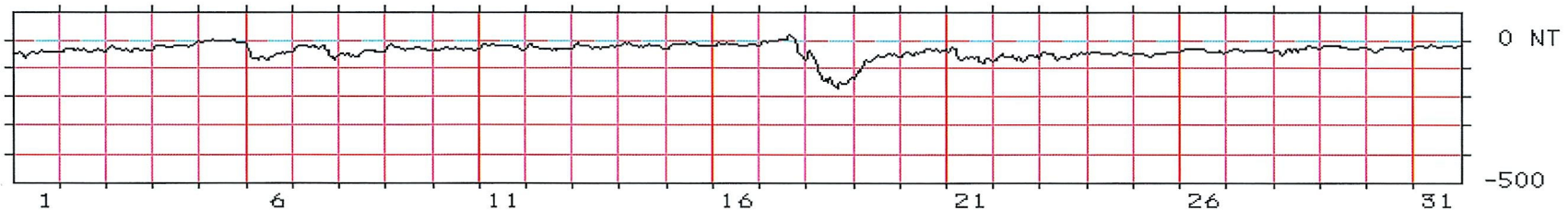


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - August 2003 -

Unit=nT

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
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31	-26	-19	-19	-18	-20	-24	-23	-17	-16	-17	-21	-24	-26	-24	-21	-21	-21	-20	-22	-27	-26	-22	-22	-19

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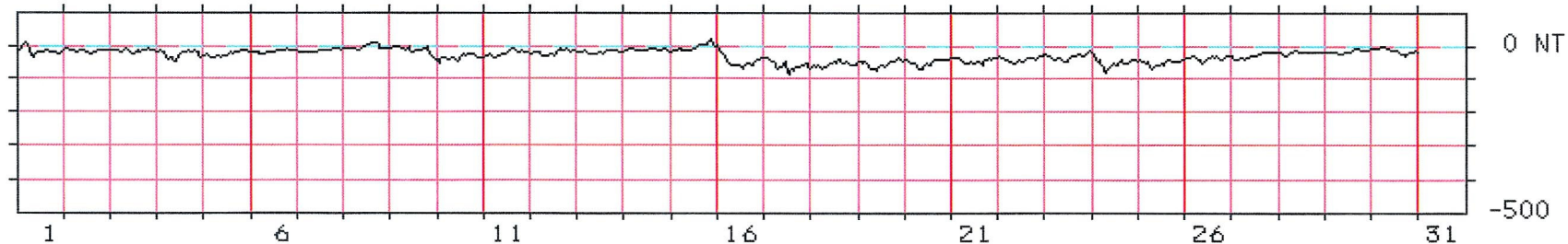


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - Septembre 2003 -

Unit=nT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								
1	-14	-12	-7	2	9	3	-9	-27	-35	-25	-20	-21	-22	-20	-16	-14	-17	-21	-18	-22	-25	-24	-19	-14
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17	-36	-38	-44	-48	-48	-54	-69	-64	-63	-56	-50	-69	-84	-67	-73	-64	-64	-66	-56	-59	-59	-51	-55	-71
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19	-48	-52	-50	-50	-52	-60	-67	-70	-72	-73	-63	-59	-58	-65	-57	-53	-46	-50	-49	-41	-38	-41	-45	-42
20	-42	-46	-53	-52	-55	-59	-67	-68	-64	-68	-57	-54	-58	-56	-48	-42	-43	-44	-43	-42	-40	-39	-40	-36
21	-35	-37	-38	-38	-43	-49	-55	-54	-51	-47	-54	-52	-46	-46	-54	-59	-57	-44	-41	-37	-39	-38	-37	-35
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24	-24	-37	-45	-44	-58	-65	-65	-78	-72	-64	-59	-52	-58	-58	-49	-42	-53	-54	-55	-48	-43	-44	-44	-46
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HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - Octobre 2003 -

Unit=nT

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	-28	-28	-26	-26	-26	-20	-24	-24	-22	-19	-18	-16	-16	-17	-18	-14	-11	-6	-1	-1	-11	-29	-56	-56
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15	-82	-81	-78	-77	-74	-82	-96	-83	-84	-78	-77	-75	-70	-66	-75	-72	-69	-65	-60	-50	-54	-57	-55	-59
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29	-46	-57	-53	-45	-45	-44	-41	-132	-152	-180	-166	-161	-128	-98	-126	-133	-157	-149	-200	-239	-265	-273	-293	-345
30	-363	-341	-341	-314	-284	-251	-230	-216	-210	-196	-182	-173	-173	-162	-155	-145	-123	-108	-127	-162	-252	-342	-401	-388
31	-320	-264	-258	-259	-210	-132	-112	-128	-137	-132	-132	-72	-97	-104	-110	-101	-92	-83	-88	-84	-77	-67	-68	-77

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