



Bureau des Publications SIIG - Bulletin Mensuel n°01 - 09 - Septembre 2001

ISGI Publications Office Monthly Bulletin n°01 - 09 - September 2001

C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	September 2001
Classification of days	- five international quietest days and most disturbed days	September 2001
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 2001
	- musical diagram of aa (latest values)	Sep. up to Nov. 25 th 2001
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 2001
am, Km	- three hour indices values musical diagram of Km	September 2001
Am, ΣKm	- daily values	September 2001
Ap, ΣKp	- daily values	September 2001
	- monthly tables of hourly indices	September 2001
Dst	- monthly tables of hourly indices	August, September 2001

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

SEPTEMBER 2001

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

13 02 33 B: GUI
C: SOD* NUR* NGK* BDV* HRB EBR*
14 02 05 A: NUR* VAL CLF* NAG*
B: SOD* NGK* BDV* HRB* EBR* GUI HER*
C: GNA*
25 20 25 A: NUR NGK* CLF* HRB* NAG* MMB* EBR*
KAK* KNY*
B: BDV* HER*
C: GNA* CNB*
29 09 40 B: VAL* NAG* HER*
C: NGK* BDV*
30 19 24 B: NGK* BDV* MMB* KAK* KNY*

02 0558-0615 MMB+ KAK+ KNY+
02 0915-0919 BDV+
02 1344-1409 BDV+ GUI
05 1427-1435 BDV+
06 0343-0355 MMB+ KAK+ KNY+
08 0439-0515 MMB+ KAK+ KNY+
09 0231-0300 MMB+ KAK+
09 1514-1526 GUI
09 2042-2055 MMB+ KAK+ KNY+ CNB+
16 0345-0515 MMB+ KAK+ KNY+
25 0432-0510 MMB+ KAK+ KNY+
25 1020-1039 BDV+ HRB
27 1036-1042 GUI

REPORTING OBSERVATORIES (up to 5th November 2001) :

SOD NUR NGK VAL BDV CLF HRB NAG MMB EBR KAK KNY GUI GNA HER CNB

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

September 2001	10	7	9	21	1	23	29	30	26	15
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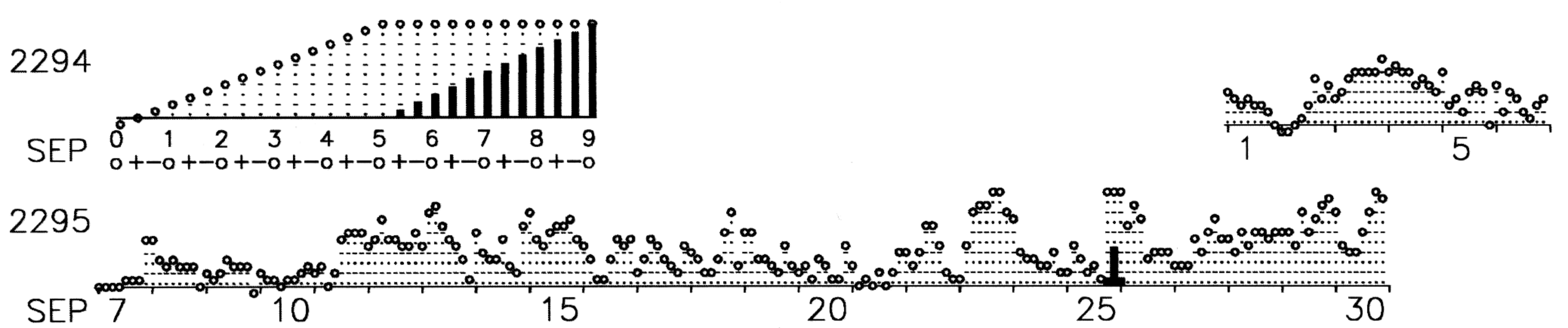
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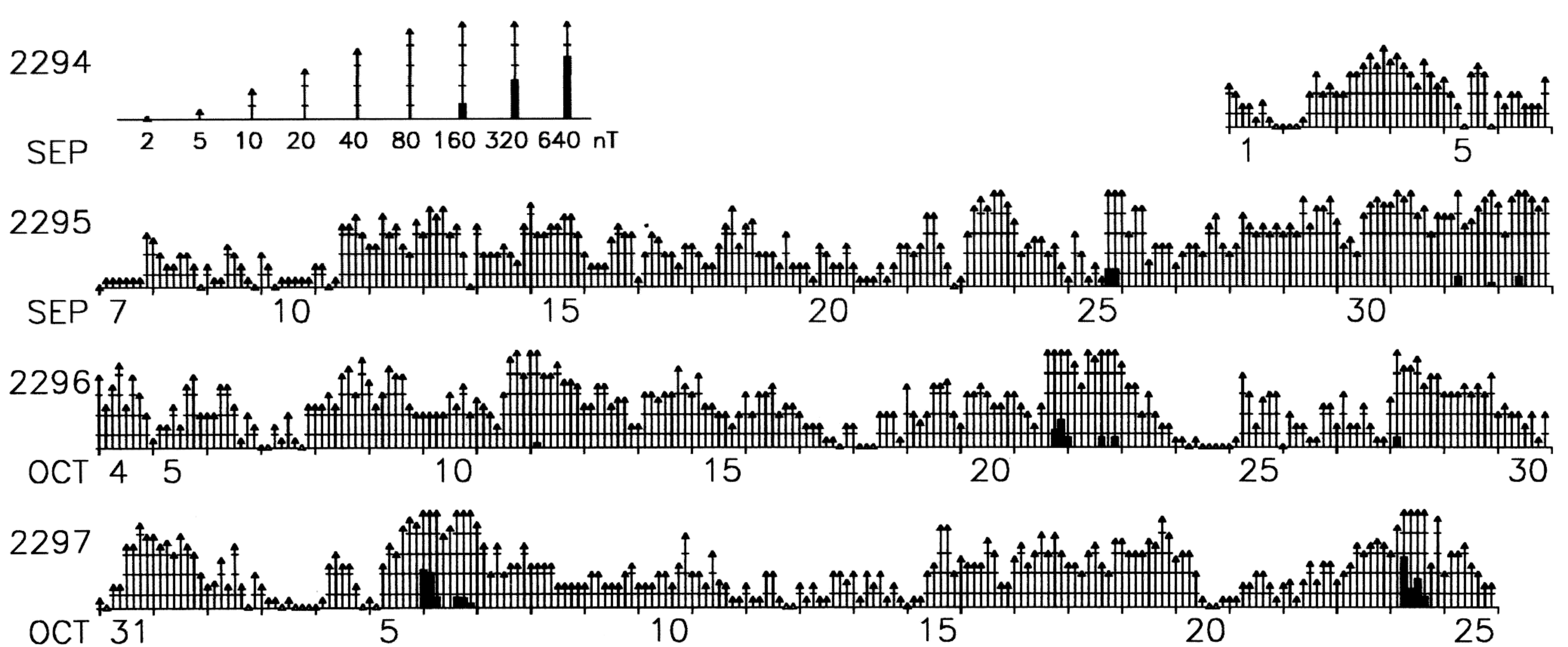
Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

SEPTEMBER 2001 Geomagnetic Indices (provisional)															Daily Average and Sum			
	aa					quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8				
1	9	7	11	5	8	CK*	15 2o	13 2-	9 1+	12 2-	8 1+	8 1+	6 1o	2 0+	9	11-	4	9-
2	10	9	3	16	9	CK	1 0o	1 0o	2 0+	5 1-	9 1+	21 3-	13 2-	19 2+	9	9o	4	9-
3	31	29	18	42	30		13 2-	14 2o	23 3-	30 3o	29 3o	30 3o	27 3o	44 4-	26	22o	17	25-
4	38	20	35	23	29		28 3o	39 3+	28 3o	27 3o	20 2+	25 3-	17 2+	15 2o	25	22-	15	23+
5	19	12	11	21	16		27 3o	10 1+	12 2-	6 1o	16 2o	18 2+	15 2o	2 0+	13	14-	8	14+
6	12	10	11	11	11	CK	17 2+	6 1o	14 2o	13 2-	6 1o	5 1-	10 1+	12 2-	10	12-	5	11o
7	10	4	4	10	7	CC*	2 0+	2 0+	2 0+	3 0+	4 1-	5 1-	5 1-	22 3-	6	6o	3	5o
8	12	8	12	9	10	CC	22 3-	11 2-	10 1+	13 2-	10 1+	10 1+	9 1+	3 0+	11	12-	6	12-
9	8	7	9	7	8	CC*	7 1o	5 1-	7 1o	11 2-	10 1+	8 1+	8 1+	1 0o	7	8+	4	8o
10	7	5	7	5	6	CC*	7 1o	4 1-	4 1-	3 0+	4 1-	5 1-	6 1o	8 1+	5	6+	3	6+
11	20	20	6	33	20		6 1o	10 1+	3 0+	7 1o	25 3-	31 3o	28 3o	27 3o	17	15+	9	15+
12	25	25	26	24	25		19 2+	23 3-	45 4-	21 3-	21 3-	18 2+	18 2+	30 3o	24	22-	12	21o
13	36	28	47	18	32		19 2+	58 4o	65 4+	39 3+	21 3-	20 2+	13 2-	4 1-	30	21+	18	23-
14	17	18	17	17	17		31 3o	14 2o	12 2-	11 2-	22 3-	8 1+	6 1o	34 3+	17	17-	9	16-
15	47	26	37	37	37		55 4o	21 3-	20 2+	30 3o	37 3+	35 3+	45 4-	21 3-	33	25o	20	27+
16	21	13	9	25	17		18 2+	11 2-	5 1-	5 1-	13 2-	25 3-	20 2+	21 3-	15	15-	8	15o
17	10	17	15	12	14		7 1o	13 2-	25 3-	18 2+	11 2-	9 1+	7 1o	18 2+	14	14o	6	12+
18	20	22	11	31	21		14 2o	11 2-	6 1o	6 1o	12 2-	33 3o	56 4o	10 1+	19	16-	11	16+
19	18	18	24	13	18		29 3o	32 3o	11 2-	12 2-	10 1+	6 1o	18 2+	8 1+	16	15+	9	16-
20	10	10	9	11	10	CC	7 1o	8 1+	4 1-	13 2-	9 1+	4 1-	4 1-	17 2+	8	10-	4	9+
21	7	8	6	9	8	CK*	9 1+	3 0+	4 1-	3 0+	6 1o	3 0+	6 1o	16 2o	6	7o	4	8-
22	16	24	23	18	20		14 2o	10 1+	16 2o	38 3+	35 3+	17 2+	6 1o	4 1-	18	16o	8	15+
23	62	63	42	83	62		5 1-	20 2+	54 4o	66 4+	68 4+	93 5o	98 5o	55 4o	57	30-	41	34-
24	23	12	21	14	18		41 4-	15 2o	11 2-	11 2-	10 1+	10 1+	15 2o	7 1o	15	15-	8	15+
25	50	51	12	89	50		6 1o	17 2+	12 2-	7 1o	8 1+	5 1-	118 5+	208 7-	48	20o	33	21-
26	37	38	61	14	38		105 5+	39 3+	64 4+	47 4-	12 2-	14 2o	15 2o	16 2o	39	24+	26	27o
27	21	18	13	26	20		10 1+	10 1+	10 1+	23 3-	15 2o	32 3o	42 4-	21 3-	20	18o	11	19-
28	26	29	27	28	27		21 3-	16 2o	31 3o	18 2+	28 3o	28 3o	23 3-	27 3o	24	22-	14	23o
29	45	53	40	58	49		28 3o	27 3o	20 2+	60 4o	31 3o	48 4-	61 4+	85 5-	45	28o	28	31o
30	53	33	21	65	43		52 4o	17 2+	15 2o	14 2o	33 3o	53 4o	94 5o	76 5-	44	27o	29	29o

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) SEP 2001

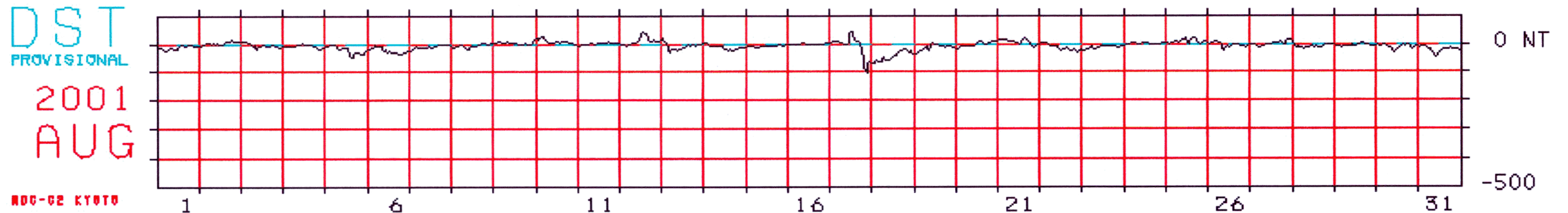


ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 2001



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - August 2001 -

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
DAY																								
1	-19	-16	-14	-19	-24	-23	-18	-16	-16	-18	-20	-19	-7	0	-4	-6	-6	-2	-3	-5	-6	-6	-8	-7
2	-7	-3	0	3	4	3	-3	0	1	-1	2	0	-1	-1	2	7	9	10	12	11	9	8	10	11
3	7	8	9	5	2	-2	-10	-3	-17	-11	-7	-3	-5	-6	-9	-10	-7	-5	-5	-7	-10	-14	-12	-9
4	-7	-7	-7	-6	-7	-10	-8	-2	-1	0	1	-2	-5	-5	-5	-5	-6	-9	-16	-19	-20	-19	-16	-12
5	-10	-9	-5	-1	-1	-2	-9	-18	-20	-14	-12	-13	-16	-31	-49	-49	-32	-28	-32	-35	-34	-34	-24	-18
6	-18	-12	-14	-11	-5	-7	-6	-9	-9	-23	-22	-28	-27	-30	-32	-31	-28	-34	-36	-35	-32	-31	-25	-24
7	-25	-21	-15	-11	-12	-15	-13	-16	-16	-15	-9	-10	-13	-14	-10	-7	-4	-5	-5	-5	-3	-4	-5	-10
8	-15	-15	-10	-8	-5	-5	-9	-15	-17	-17	-11	-8	-8	-6	-3	-1	2	4	4	3	0	0	1	2
9	2	5	8	8	3	2	5	6	3	1	2	3	1	-2	0	0	0	4	0	-2	0	1	13	17
10	17	16	18	23	23	13	7	3	4	2	4	6	6	5	7	7	9	8	5	2	4	0	-4	-7
11	-8	-5	-2	0	-1	-1	2	2	2	-1	0	2	3	2	2	1	2	6	4	5	5	5	4	2
12	-1	-3	-4	-6	-4	-2	1	2	5	9	12	26	40	35	38	37	27	7	6	13	11	8	8	12
13	17	10	5	-8	-29	-22	-17	-21	-25	-21	-20	-14	-12	-9	-5	-6	-3	-2	-7	-5	-2	-3	-5	1
14	4	3	-2	-7	-7	-9	-8	-8	-6	-6	-8	-19	-22	-23	-22	-23	-26	-21	-18	-13	-13	-14	-16	-12
15	-9	-10	-11	-11	-13	-14	-16	-12	-9	-9	-9	-9	-9	-9	-7	-6	-7	-7	-5	-4	-6	-6	-4	-2
16	-1	-2	-3	-5	-5	-2	0	3	2	0	-2	-4	-4	-2	-1	-1	0	-2	-1	0	-1	1	4	5
17	4	6	9	9	7	4	2	0	-1	0	3	41	39	21	11	7	2	-13	-40	-62	-89	-103	-65	-71
18	-72	-69	-61	-63	-64	-65	-50	-61	-61	-59	-54	-49	-43	-42	-33	-27	-26	-22	-22	-23	-28	-25	-34	-36
19	-36	-33	-31	-27	-25	-21	-16	-11	-24	-15	1	-2	-1	-5	-8	-7	-11	-12	-9	-7	-11	-15	-16	-17
20	-17	-14	-10	-9	-10	-8	-8	-7	-8	-11	-11	-2	1	8	6	4	-2	-2	1	4	11	10	8	8
21	13	15	16	15	14	8	8	9	7	4	2	-5	4	14	19	15	12	11	3	-7	-12	-11	-4	-1
22	1	2	2	3	-5	-7	-11	-10	-6	-7	-17	-24	-19	-18	-15	-20	-24	-24	-17	-26	-30	-25	-25	-21
23	-24	-24	-21	-20	-14	-11	-18	-22	-16	-14	-11	-11	-9	-8	-8	-10	-10	-9	-11	-13	-13	-9	-8	-6
24	-5	-2	0	1	2	3	1	-1	-2	-2	2	4	3	3	-1	-2	-2	-1	0	0	0	2	2	3
25	1	-1	1	3	9	8	5	9	12	16	18	11	0	8	14	19	20	15	5	-1	2	6	6	2
26	-4	4	4	8	8	5	4	-5	-23	-16	-11	-12	-6	-4	-5	-5	-5	-7	-11	-10	-11	-16	-9	-4
27	-3	-5	-4	-8	-12	-12	-11	-6	-5	-5	-5	0	4	3	1	4	9	3	-1	-2	15	15	15	7
28	0	-16	-13	-11	-12	-15	-19	-13	-15	-14	-10	-10	-12	-11	-12	-12	-12	-7	-2	-4	-2	-1	-3	-4
29	-6	-10	-11	-13	-11	-10	-10	-11	-7	-5	-7	-8	-7	-5	-3	2	3	0	-3	-5	-6	-7	-7	-7
30	-5	-7	-6	-2	-3	-9	-12	-16	-21	-28	-26	-21	-16	-10	-3	-7	-5	0	-2	-11	-17	-14	-10	-9
31	-13	-10	-11	-10	-15	-19	-22	-28	-36	-45	-44	-33	-23	-18	-17	-22	-20	-12	-21	-21	-21	-22	-23	-25



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) -September 2001 -

Unit = NT

DAY	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	-19	-14	-18	-22	-23	-24	-23	-19	-19	-21	-17	-15	-11	-12	-13	-11	-6	-7	-8	-8	-6	-6	-6	-8
2	-8	-1	1	-2	-4	-5	-4	-6	-7	-7	-5	-5	-4	-3	-5	-10	-15	-18	-19	-15	-9	-3	-4	-7
3	-3	4	8	8	7	6	7	1	-2	-7	-6	-6	-9	-17	-9	-7	-11	-3	0	-6	-8	-7	-14	-17
4	-17	-18	-16	-24	-37	-35	-32	-28	-24	-18	-10	-11	-10	-9	-10	-8	-12	-18	-14	-12	-12	-11	-10	-12
5	-17	-18	-23	-24	-20	-21	-20	-17	-14	-11	-7	-7	-9	-16	-23	-27	-24	-20	-19	-21	-19	-19	-15	-15
6	-14	-11	-8	-8	-5	-6	-6	-6	-6	-10	-11	-14	-14	-17	-17	-18	-15	-13	-11	-11	-15	-17	-14	-6
7	-3	1	5	7	7	7	9	10	10	10	11	12	11	10	10	10	10	11	10	9	9	7	6	3
8	1	-1	-9	-19	-26	-27	-23	-21	-23	-21	-17	-16	-16	-13	-13	-14	-16	-15	-14	-14	-14	-15	-12	-10
9	-9	-8	-9	-10	-11	-14	-12	-8	-6	-7	-7	-7	-5	-4	-4	-2	-3	-4	-4	-4	-3	-2	1	2
10	4	4	2	8	9	10	9	6	5	4	2	3	4	5	7	10	11	8	8	7	4	2	1	2
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13	-8	-2	-2	-13	-29	-41	-56	-58	-46	-37	-42	-44	-37	-35	-34	-37	-36	-30	-25	-23	-23	-17	-10	-6
14	-4	-2	9	4	6	1	7	10	10	10	7	7	3	2	-6	-7	-3	1	3	10	8	6	5	0
15	-5	-3	-3	-9	-10	-5	-2	0	3	-3	1	4	-10	-15	-13	-13	-16	-13	-16	-19	-13	-17	-13	-9
16	-7	-4	-6	-10	-9	-9	-9	-8	-6	-7	-6	-6	-7	-11	-10	-11	-13	-10	-13	-13	-9	-5	-3	-3
17	-1	-1	-2	-6	-11	-12	-8	-11	-11	-8	-7	-8	-8	-9	-7	-3	-3	-3	0	3	4	5	8	10
18	11	13	13	8	4	3	3	5	7	9	10	9	7	6	12	17	20	18	1	-22	-24	-13	-10	-5
19	-3	0	5	0	-18	-19	-16	-12	-12	-12	-7	-5	-3	-4	0	-5	-3	-2	-2	4	3	4	3	1
20	2	3	2	0	0	2	2	1	-2	-1	-2	2	5	5	8	5	4	4	6	6	9	14	10	10
21	8	6	5	5	5	9	9	9	11	14	14	15	14	15	13	10	10	12	14	14	14	17	18	14
22	10	10	8	8	13	16	14	9	3	3	3	-1	-6	-12	-15	-16	-13	-11	-6	-3	-3	-4	-2	-1
23	1	4	4	2	-1	-6	-17	-21	-4	7	-3	-15	-32	-45	-47	-60	-48	-64	-77	-71	-60	-53	-44	-35
24	-31	-45	-44	-46	-44	-45	-41	-40	-38	-34	-32	-30	-30	-30	-28	-26	-28	-25	-25	-23	-23	-21	-19	-19
25	-21	-19	-18	-21	-21	-22	-23	-21	-20	-16	-13	-12	-14	-15	-13	-13	-12	-13	-11	-13	16	15	-14	-55
26	-75	-101	-91	-91	-82	-78	-89	-92	-83	-87	-85	-77	-75	-78	-76	-70	-65	-58	-52	-50	-47	-43	-40	-36
27	-34	-32	-33	-41	-44	-42	-38	-34	-33	-34	-37	-38	-35	-38	-38	-43	-45	-49	-46	-45	-48	-44	-39	-39
28	-40	-40	-38	-37	-36	-39	-42	-42	-33	-32	-34	-32	-29	-32	-35	-35	-31	-28	-27	-28	-28	-25	-27	-26
29	-29	-36	-41	-44	-44	-40	-30	-36	-41	-33	-26	-52	-46	-36	-30	-30	-30	-33	-41	-47	-46	-50	-43	-48
30	-46	-43	-46	-45	-42	-38	-39	-35	-31	-31	-33	-33	-31	-35	-38	-47	-58	-57	-59	-58	-64	-48	-30	-38

DST
PROVISIONAL
2001
SEP

WDC-C2 KYOTO

