



Bureau des Publications SIIG - Bulletin Mensuel n°00 - 09 - Septembre 2000
ISGI Publications Office Monthly Bulletin n°00 - 09 - September 2000

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	September 2000
Classification of days	- five international quietest days and most disturbed days	September 2000
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 2000
	- musical diagram of aa (latest values)	Sept. up to Nov. 19 th 2000
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 2000
am, Km	- three hour indices values musical diagram of Km	September 2000
Am, ΣKm	- daily values	September 2000
Ap, ΣKp	- daily values	September 2000
	- monthly tables of hourly indices	September 2000
Dst	- monthly tables of hourly indices	September 2000

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 2000

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

04 13 33 A : COI
 B : BDV HRB NAG* SPT
 C : VAL GCK EBR LNP HYB
 Sfe : GUI
 06 17 01 A : VAL CLF* HRB NAG* GCK COI SPT HTY GUI
 LNP HYB ETT HER
 B : SOD NGK BDV* EBR
 15 04 50 A : LNP HYB ETT
 B : HRB
 C : GCK SPT*
 15 19 12 A : CLF
 B : HRB HTY
 C : VAL BDV NAG GCK HYB ETT
 18 14 44 A : NAG* COI* SPT* LNP HYB
 B : VAL* HRB GUI
 C : NGK

01 1810-1845 HTY+
 03 0408-0420 LNP ETT
 03 2331-2352 HTY+
 04 0102-0151 HTY+
 04 1332-1353 GUI (see SSC)
 15 1057-1120 BDV+
 16 0721-0740 ETT
 21 0514-0524 LNP HYB (see ETT)
 27 0307-0325 HTY+

REPORTING OBSERVATORIES (up to 3rd of October 2000) :

SOD NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI LNP HYB ETT HER

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
September 2000	10	14	11	9	22	18	17	30	19	16

Directeur de la Publication : J. PARIS - Edité le 23/11/2000 par E. LEMAULF

Collaborateurs : J.O. CARDUS - P. CUGNON - T. KAMEI - M. MENVIELLE - M. SIEBERT - M. SUGIURA

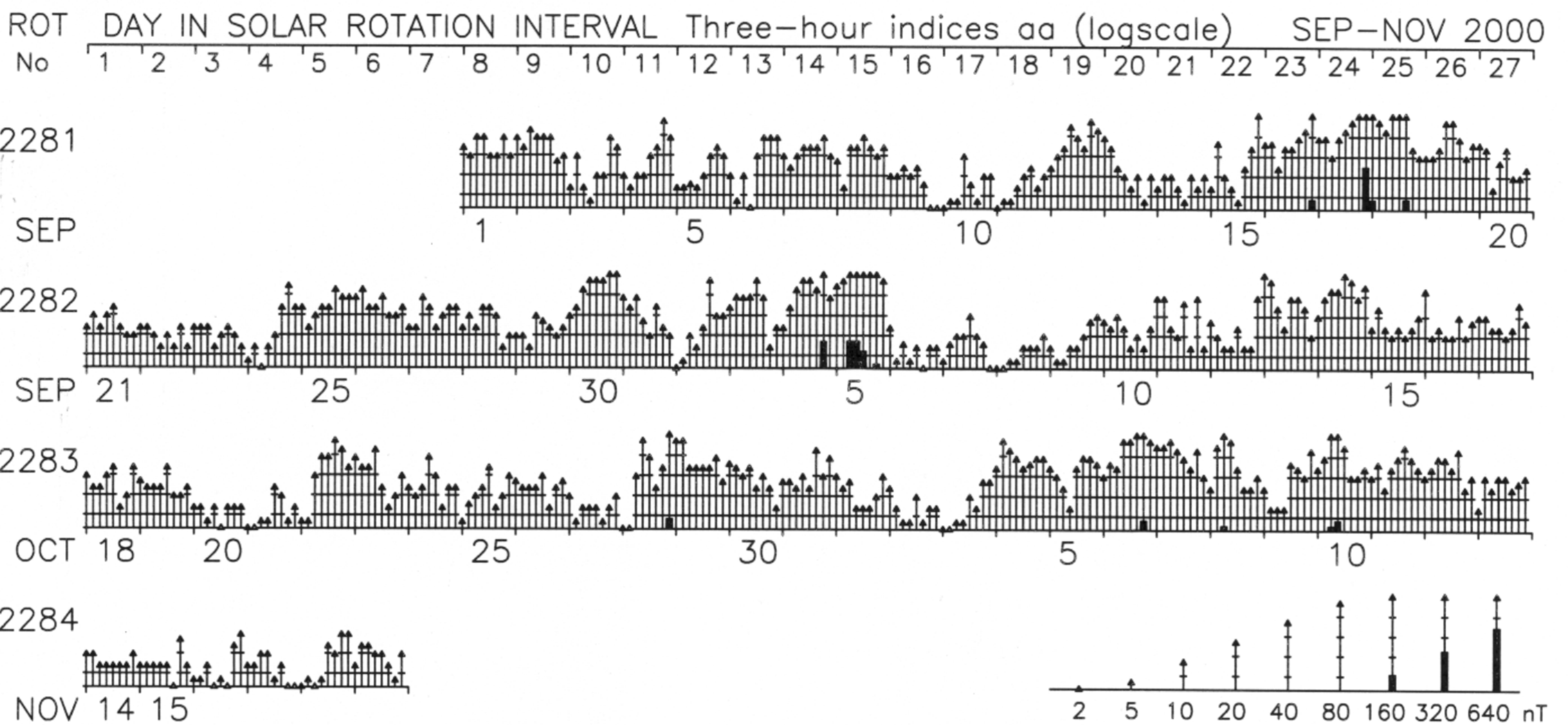
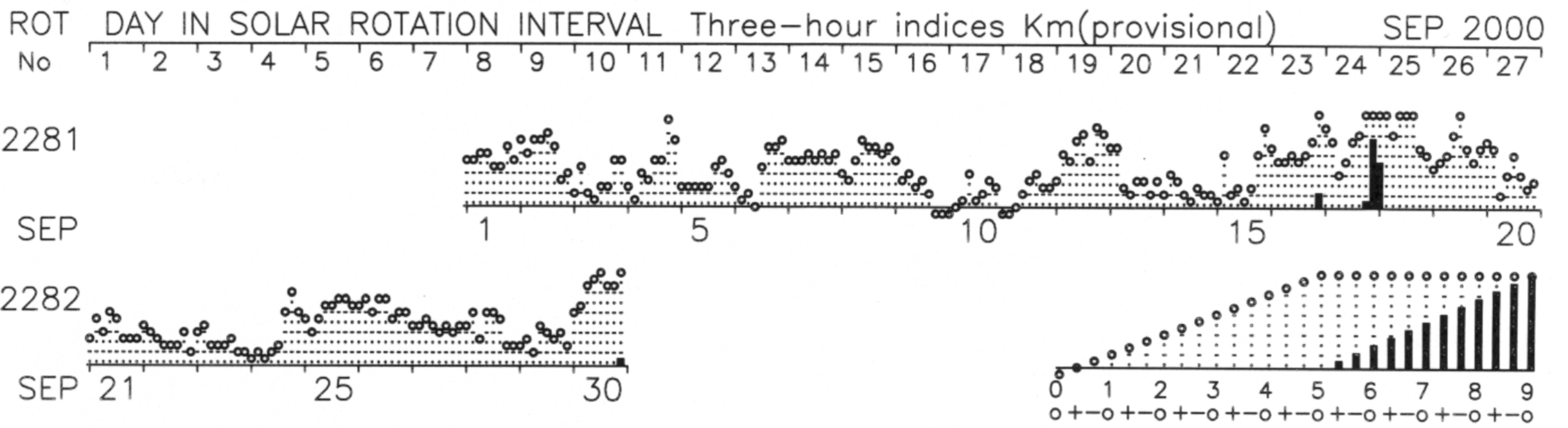
Bureau des Publications SIIG - fondé par A. BERTHELIER

CETP 4, avenue Neptune - 94107 SAINT MAUR DES FOSSES CEDEX - FRANCE

Téléphone : +33 +1 45 11 42 47 - Télécopie : +33 +1 48 89 44 33 EJuilletl : Josette.PARIS@cetp.ipsl.fr

Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

SEPTEMBER 2000		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	Am	Σ Km	Ap	Σ Kp	
1	33	33	37	29	33		26 3-	21 3-	33 3o	33 3o	19 2+	17 2+	40 3+	24 3-	27	22o	16	25-
2	42	38	46	34	40		41 4-	32 3o	47 4-	47 4-	51 4o	40 3+	11 2-	16 2o	36	25o	23	29o
3	20	16	11	25	18		6 1o	19 2+	6 1o	5 1-	8 1+	8 1+	24 3-	26 3-	13	13o	7	13-
4	33	24	11	45	28		10 1+	5 1-	14 2o	12 2-	21 3-	24 3-	71 5-	41 4-	25	19+	18	21o
5	18	13	8	23	16		10 1+	10 1+	8 1+	8 1+	8 1+	18 2+	26 3-	16 2o	13	14-	7	14+
6	30	18	8	40	24		9 1+	4 1-	7 1o	3 0+	17 2+	40 3+	40 3+	41 4-	20	16o	12	18-
7	33	24	24	33	29		23 3-	21 3-	25 3-	27 3o	22 3-	27 3o	26 3-	27 3o	25	22+	15	24o
8	29	28	23	34	28		15 2o	11 2-	24 3-	43 4-	37 3+	38 3+	31 3o	38 3+	30	23o	17	25+
9	12	9	13	7	10	C *	22 3-	13 2-	16 2o	10 1+	12 2-	6 1o	1 0o	1 0o	10	10+	5	11-
10	9	10	9	10	9	CC *	1 0o	3 0+	5 1-	16 2o	5 1-	6 1o	11 2-	8 1+	7	8-	4	8o
11	9	8	5	12	9	C *	1 0o	1 0o	3 0+	6 1o	11 2-	15 2o	9 1+	10 1+	7	8-	4	8o
12	42	47	35	54	45		12 2-	30 3o	24 3-	50 4-	51 4o	25 3-	62 4+	56 4o	39	26o	21	28-
13	19	17	26	9	18		38 3+	40 3+	8 1+	6 1o	11 2-	11 2-	7 1o	12 2-	17	15o	10	15+
14	8	11	10	9	10	CK *	7 1o	15 2o	13 2-	7 1o	4 1-	8 1+	7 1o	6 1o	8	10-	4	9o
15	24	31	17	39	28		4 1-	31 3o	7 1o	8 1+	4 1-	8 1+	29 3o	63 4+	19	15+	12	16-
16	55	44	31	68	49		40 3+	21 3-	23 3-	31 3o	26 3-	32 3o	49 4-	122 6-	43	27-	29	30o
17	110	81	40	151	96		69 4+	41 4-	16 2o	24 3-	48 4-	54 4o	107 5+	400 8o	95	34-	56	36+
18	81	87	95	74	84		286 7o	87 5o	59 4o	99 5o	92 5o	101 5o	34 3+	31 3o	99	37+	70	42+
19	50	37	40	47	43		19 2+	23 3-	31 3o	60 4o	101 5o	36 3+	26 3-	38 3+	42	26+	30	31-
20	26	16	24	18	21		47 4-	40 3+	6 1o	15 2o	28 3o	14 2o	10 1+	12 2-	22	18o	12	20-
21	18	20	20	18	19		12 2-	22 3-	14 2o	29 3o	22 3-	12 2-	13 2-	11 2-	17	17o	9	18-
22	12	12	13	11	12	C *	20 2+	15 2o	12 2-	8 1+	9 1+	9 1+	15 2o	7 1o	12	13o	6	13+
23	14	12	14	12	13	CC	14 2o	20 2+	10 1+	8 1+	9 1+	13 2-	7 1o	7 1o	11	12o	7	13+
24	25	16	6	36	21		4 1-	6 1o	5 1-	7 1o	8 1+	31 3o	58 4o	28 3o	18	15-	12	16o
25	38	34	26	45	36		23 3-	14 2o	24 3-	35 3+	37 3+	43 4-	41 4-	38 3+	32	25-	19	27-
26	36	37	42	32	37		40 3+	45 4-	31 3o	41 4-	43 4-	25 3-	29 3o	32 3o	36	26o	24	30-
27	29	24	27	26	27		20 2+	20 2+	23 3-	19 2+	16 2o	17 2+	14 2o	18 2+	18	18+	11	21-
28	22	19	22	19	21		17 2+	29 3o	13 2-	32 3o	30 3o	21 3-	8 1+	9 1+	20	18+	12	19-
29	14	16	14	16	15		10 1+	12 2-	6 1o	20 2+	15 2o	12 2-	14 2o	10 1+	12	13+	7	14+
30	68	72	49	91	70		32 3o	40 3+	64 4+	76 5-	89 5o	64 4+	66 4+	113 5+	68	34+	51	40-



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - September 2000 -

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	-17	-17	-18	-18	-19	-18	-26	-27	-25	-19	-18	-20	-17	-17	-18	-17	-17	-14	-19	-17	-18	-12	-8	-5
2	-8	-6	-14	-16	-11	-17	-24	-25	-31	-43	-53	-50	-49	-55	-58	-48	-42	-38	-32	-21	-16	-16	-10	-7
3	-8	-6	-4	-2	0	-1	-7	-10	-10	-9	-7	-4	-2	-8	-13	-13	-7	-5	-6	-4	-5	-11	-19	-16
4	-13	-12	-11	-10	-8	-7	-7	-5	-9	-12	-10	-2	0	3	6	6	10	7	-12	-18	-22	-25	-29	-32
5	-31	-27	-20	-19	-17	-10	-7	-4	-2	-3	-3	-4	-6	-11	-16	-17	-11	-5	-10	-18	-12	-12	-6	-5
6	-3	-2	-2	0	4	7	2	2	2	3	6	8	7	8	2	4	11	44	39	39	20	10	8	2
7	4	5	-2	-9	-18	-19	-24	-28	-31	-28	-27	-16	-15	-19	-20	-24	-20	-24	-24	-20	-17	-16	-12	-17
8	-16	-14	-11	-12	-13	-14	-16	-14	-18	-20	-30	-33	-29	-34	-39	-44	-32	-26	-18	-17	-19	-21	-21	-18
9	-11	-9	-12	-12	-10	-8	-6	-8	-7	-9	-9	-4	-3	0	-3	-5	-6	-4	-1	0	1	1	1	0
10	1	3	5	6	5	6	7	8	9	11	11	0	-1	0	1	3	5	3	3	4	3	3	3	5
11	7	10	13	14	15	14	11	12	12	12	13	16	15	15	18	18	13	11	13	14	15	15	15	17
12	18	15	16	12	6	1	-2	4	7	0	-19	-32	-44	-42	-51	-58	-62	-64	-70	-63	-55	-44	-41	-38
13	-35	-35	-36	-35	-35	-35	-36	-31	-25	-22	-18	-17	-13	-15	-19	-19	-15	-11	-9	-6	-9	-13	-15	-16
14	-17	-15	-15	-15	-17	-18	-15	-17	-19	-17	-14	-10	-9	-9	-7	-8	-7	-6	-8	-9	-8	-7	-7	-10
15	-10	-7	-4	-1	3	23	16	11	12	12	15	19	20	18	16	14	15	16	16	26	13	2	-4	-13
16	-24	-26	-30	-27	-20	-14	-16	-15	-11	-5	-5	-4	-9	-20	-28	-24	-24	-23	-14	-19	-12	-26	-47	-57
17	-44	-25	-40	-57	-42	-33	-31	-38	-39	-33	-30	-27	-26	-27	-25	-16	2	18	22	32	-4	-39	-153	-172
18	-170	-166	-147	-138	-130	-117	-121	-106	-102	-88	-86	-75	-77	-81	-72	-67	-81	-69	-77	-74	-66	-63	-54	-52
19	-53	-46	-49	-46	-42	-42	-44	-27	-17	-28	-42	-60	-70	-66	-80	-77	-69	-59	-53	-54	-49	-45	-46	-51
20	-47	-43	-43	-44	-48	-42	-39	-38	-38	-35	-33	-29	-29	-31	-35	-33	-26	-21	-22	-21	-20	-19	-18	-17
21	-18	-19	-22	-24	-27	-25	-25	-24	-28	-34	-32	-28	-19	-22	-29	-26	-20	-15	-16	-10	-10	-7	-4	-6
22	-10	-13	-14	-12	-7	-10	-9	-9	-8	-7	-7	-6	-5	-8	-7	-6	-5	-6	-11	-11	-5	-2	-2	-4
23	-6	-8	-12	-15	-19	-14	-16	-13	-13	-11	-10	-8	-10	-12	-13	-10	-8	-6	-8	-4	1	3	5	3
24	-1	1	1	2	2	3	0	1	1	1	3	4	4	6	8	7	5	13	-2	-11	-19	-21	-27	-26
25	-27	-25	-26	-29	-25	-19	-24	-23	-21	-22	-22	-13	-8	-10	-20	-27	-29	-28	-34	-35	-25	-27	-32	-40
26	-32	-36	-41	-43	-40	-39	-41	-36	-38	-33	-41	-36	-32	-29	-28	-37	-36	-35	-31	-30	-32	-20	-16	-19
27	-29	-28	-27	-24	-21	-21	-27	-29	-24	-22	-18	-13	-12	-14	-18	-21	-14	-11	-9	-8	-6	-7	-8	-11
28	-14	-15	-19	-21	-18	-15	-15	-15	-16	-14	-20	-21	-25	-25	-31	-39	-36	-26	-20	-15	-14	-10	-6	-8
29	-12	-13	-15	-14	-13	-10	-11	-12	-11	-9	-5	-7	-10	-11	-10	-14	-15	-14	-17	-16	-13	-15	-15	-18
30	-22	-23	-21	-24	-26	-28	-38	-58	-58	-48	-49	-43	-56	-71	-78	-76	-70	-45	-39	-42	-46	-54	-56	-38

DST
PROVISIONAL
2000
SEP

WDC-C2 KYOTO

