

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



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Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

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 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

PRELIMINARY REPORT ON RAPID VARIATIONS

JUNE 2001

SSC - Storm Sudden Commencements

18 02 59 A : CLF* HYB ETT HER
 B : NGK* MMB* EBR COI SPT* KAK
 KNY GUI
 C : BDV* NAG* HTY

SFE - Solar Flare Effects

04 0445-0520 MMB+
 04 0803-0826 BDV+ HTY+ ETT
 05 0443-0520 KAK+ HTY+ KNY+
 05 1420-1430 BDV+
 11 1402-1408 NAG
 13 1130-1204 NGK+ BDV+
 15 1006-1022 BDV+
 19 1515-1546 HER
 22 2119-2145 HTY+
 22 2218-2235 MMB+ KAK+ KNY+
 23 0010-0028 MMB+ KAK+ HTY+ KNY+
 23 0404-0430 NGK+ BDV MMB+ KAK+ HTY+
 KNY+ HYB GNA+ CNB+
 23 0622-0645 MMB+ KAK+ HTY+ KNY+

REPORTING OBSERVATORIES (up to 2nd of August 2001):

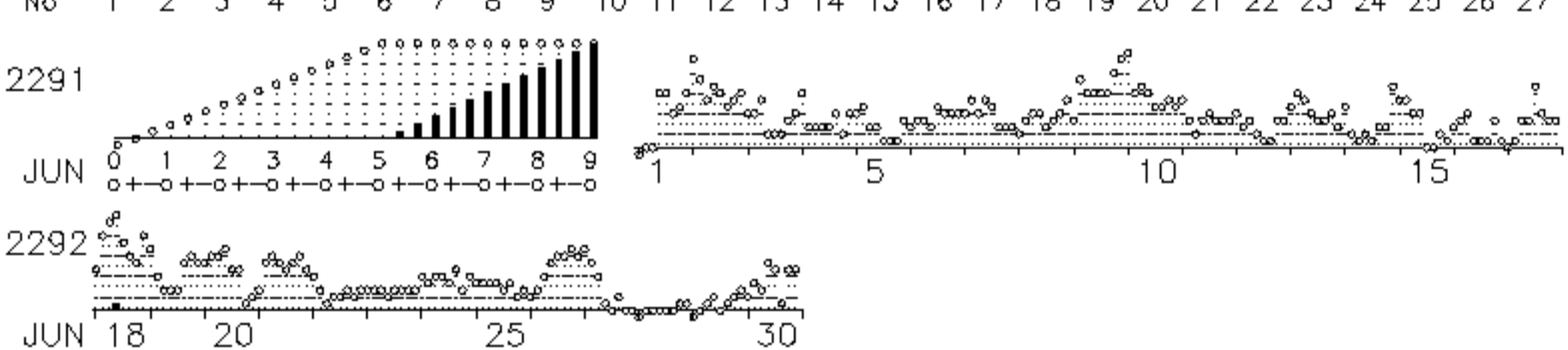
SOD NUR NGK VAL BDV CLF HRB NAG MMB EBR COI SPT KAK HTY KNY GUI HYB ETT GNA HER CNB

| | FIVE INTERNATIONAL QUIETEST DAYS | | | | | FIVE INTERNATIONAL MOST DISTURBED DAYS | | | | |
|------------------|----------------------------------|----|----|----|----|--|---|---|----|-----|
| June 2001 | 28 | 29 | 12 | 23 | 22 | 18 | 9 | 2 | 10 | 21* |

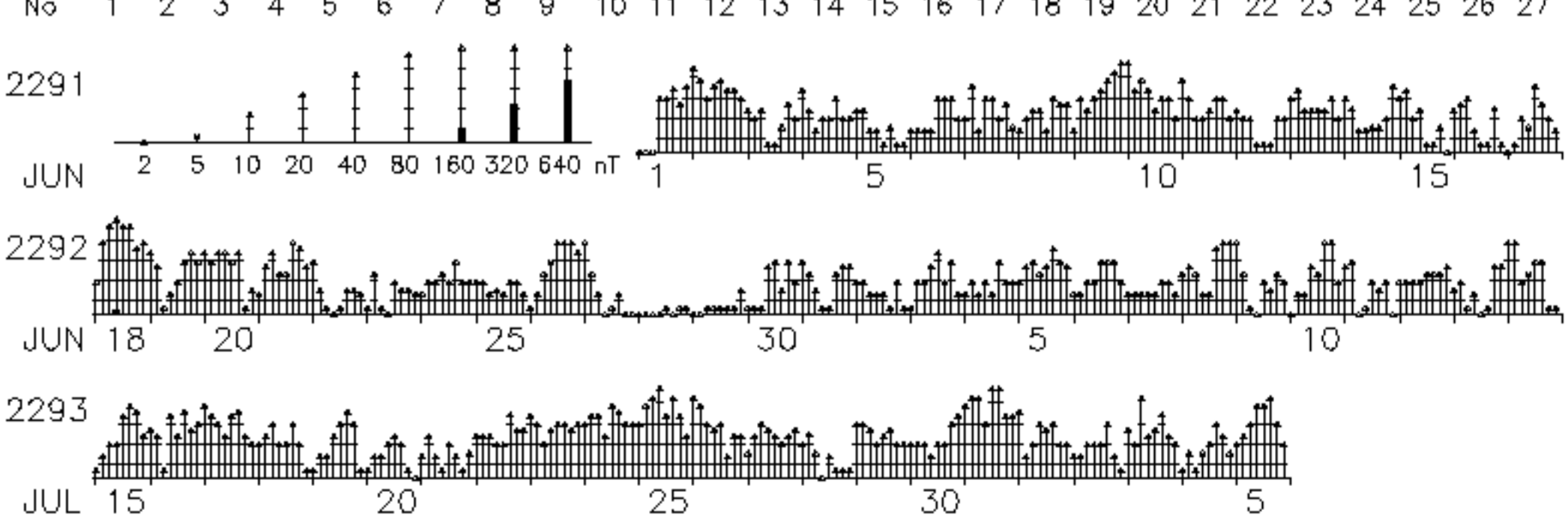
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 Collaborateurs : J.O. CARDUS - P. CUGNON - T. KAMEI - M. MENVIELLE - M. SIEBERT - M. SUGIURA
 Bureau des Publications SIIG - fondé par A. BERTHELIER
 CETP 4, avenue Neptune - 94107 SAINT MAUR DES FOSSES CEDEX - FRANCE
 Téléphone : +33 +1 45 11 42 47 - Télécopie : +33 +1 48 89 44 33 Email : Josette.PARIS@cetp.ipsl.fr
 Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

| JUNE 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 | 25 | 11 | 8 | 29 | 18 | | 0o | 2 0+ | 3 0+ | 28 3o | 30 3o | 15 2o | 17 2+ | 29 3o | 16 | 14o | 9 | 16- |
| 2 | 50 | 26 | 43 | 33 | 38 | | 75 5- | 41 4- | 23 3- | 35 3+ | 28 3o | 18 2+ | 23 3- | 33 3o | 35 | 25+ | 22 | 28- |
| 3 | 16 | 8 | 12 | 12 | 12 | C | 14 2o | 16 2o | 21 3- | 6 1o | 6 1o | 6 1o | 12 2- | 14 2o | 12 | 13+ | 6 | 13+ |
| 4 | 19 | 13 | 17 | 15 | 16 | | 29 3o | 9 1+ | 10 1+ | 10 1+ | 10 1+ | 16 2o | 7 1o | 15 2o | 13 | 13+ | 7 | 15- |
| 5 | 11 | 7 | 12 | 6 | 9 | CC | 14 2o | 17 2+ | 10 1+ | 8 1+ | 4 1- | 4 1- | 5 1- | 11 2- | 9 | 11- | 5 | 10o |
| 6 | 18 | 11 | 8 | 21 | 15 | | 10 1+ | 12 2- | 11 2- | 10 1+ | 18 2+ | 14 2o | 14 2o | 15 2o | 13 | 14+ | 6 | 13+ |
| 7 | 22 | 14 | 20 | 16 | 18 | | 14 2o | 25 3- | 14 2o | 24 3- | 17 2+ | 10 1+ | 10 1+ | 9 1+ | 15 | 16- | 9 | 17o |
| 8 | 19 | 12 | 13 | 18 | 16 | | 6 1o | 12 2- | 15 2o | 16 2o | 8 1+ | 11 2- | 15 2o | 23 3- | 13 | 14+ | 7 | 15o |
| 9 | 40 | 32 | 18 | 54 | 36 | | 11 2- | 44 4- | 29 3o | 31 3o | 27 3o | 33 3o | 51 4o | 72 5- | 37 | 26o | 25 | 28- |
| 10 | 36 | 30 | 48 | 19 | 33 | | 89 5o | 28 3o | 39 3+ | 29 3o | 18 2+ | 18 2+ | 21 3- | 20 2+ | 33 | 24o | 20 | 25o |
| 11 | 19 | 24 | 24 | 19 | 21 | | 24 3- | 13 2- | 7 1o | 12 2- | 15 2o | 12 2- | 12 2- | 12 2- | 13 | 14o | 8 | 16- |
| 12 | 8 | 12 | 11 | 9 | 10 | C * | 14 2o | 10 1+ | 11 2- | 6 1o | 4 1- | 4 1- | 11 2- | 11 2- | 9 | 11- | 4 | 9o |
| 13 | 21 | 18 | 22 | 17 | 20 | | 19 2+ | 27 3o | 21 3- | 15 2o | 11 2- | 12 2- | 14 2o | 9 1+ | 16 | 17- | 8 | 16+ |
| 14 | 19 | 12 | 14 | 17 | 16 | | 18 2+ | 6 1o | 4 1- | 7 1o | 5 1- | 8 1+ | 10 1+ | 37 3+ | 12 | 12- | 7 | 11+ |
| 15 | 15 | 11 | 21 | 5 | 13 | K | 26 3- | 23 3- | 16 2o | 16 2o | 3 0+ | 3 0+ | 7 1o | 4 1- | 12 | 12- | 7 | 13- |
| 16 | 12 | 13 | 17 | 8 | 13 | CC | 10 1+ | 13 2- | 15 2o | 5 1- | 4 1- | 4 1- | 11 2- | 5 1- | 8 | 9+ | 5 | 10o |
| 17 | 18 | 9 | 7 | 19 | 13 | K | 2 0+ | 5 1- | 12 2- | 13 2- | 38 3+ | 15 2o | 12 2- | 11 2- | 14 | 13o | 7 | 13o |
| 18 | 60 | 64 | 64 | 61 | 62 | | 17 2+ | 57 4o | 86 5- | 105 5+ | 50 4- | 33 3o | 26 3- | 51 4o | 53 | 30- | 36 | 34+ |
| 19 | 23 | 17 | 16 | 23 | 20 | | 37 3+ | 15 2o | 8 1+ | 8 1+ | 9 1+ | 21 3- | 28 3o | 25 3- | 19 | 18- | 12 | 19+ |
| 20 | 27 | 21 | 30 | 18 | 24 | | 24 3- | 28 3o | 32 3o | 34 3+ | 20 2+ | 17 2+ | 4 1- | 7 1o | 21 | 18+ | 11 | 19+ |
| 21 | 31 | 17 | 19 | 30 | 24 | | 8 1+ | 26 3- | 27 3o | 22 3- | 17 2+ | 26 3- | 27 3o | 17 2+ | 21 | 20o | 13 | 21+ |
| 22 | 13 | 5 | 10 | 8 | 9 | C * | 14 2o | 10 1+ | 4 1- | 6 1o | 7 1o | 8 1+ | 7 1o | 10 1+ | 8 | 10- | 5 | 10o |
| 23 | 11 | 6 | 7 | 10 | 8 | CC * | 8 1+ | 10 1+ | 8 1+ | 6 1o | 10 1+ | 8 1+ | 8 1+ | 9 1+ | 8 | 10+ | 5 | 10o |
| 24 | 17 | 10 | 12 | 15 | 14 | CC | 14 2o | 11 2- | 14 2o | 15 2o | 13 2- | 17 2+ | 10 1+ | 15 2o | 14 | 15o | 7 | 15+ |
| 25 | 10 | 10 | 10 | 10 | 10 | CC | 13 2- | 12 2- | 12 2- | 11 2- | 10 1+ | 12 2- | 7 1o | 8 1+ | 11 | 12o | 6 | 12o |
| 26 | 34 | 22 | 13 | 42 | 28 | | 7 1o | 9 1+ | 14 2o | 23 3- | 27 3o | 29 3o | 34 3+ | 30 3o | 22 | 19+ | 13 | 20+ |
| 27 | 13 | 9 | 18 | 4 | 11 | K | 40 3+ | 26 3- | 14 2o | 5 1- | 3 0+ | 6 1o | 2 0+ | 3 0+ | 12 | 11- | 6 | 9+ |
| 28 | 4 | 2 | 2 | 4 | 3 | CC * | 1 0o | 3 0+ | 3 0+ | 2 0+ | 3 0+ | 3 0+ | 4 1- | 5 1- | 3 | 3o | 2 | 3- |
| 29 | 7 | 2 | 4 | 6 | 5 | CC * | 1 0o | 2 0+ | 5 1- | 7 1o | 3 0+ | 4 1- | 7 1o | 8 1+ | 5 | 5+ | 3 | 5+ |
| 30 | 16 | 10 | 9 | 17 | 13 | KK | 7 1o | 12 2- | 9 1+ | 25 3- | 17 2+ | 5 1- | 17 2+ | 17 2+ | 14 | 14+ | 6 | 13+ |

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



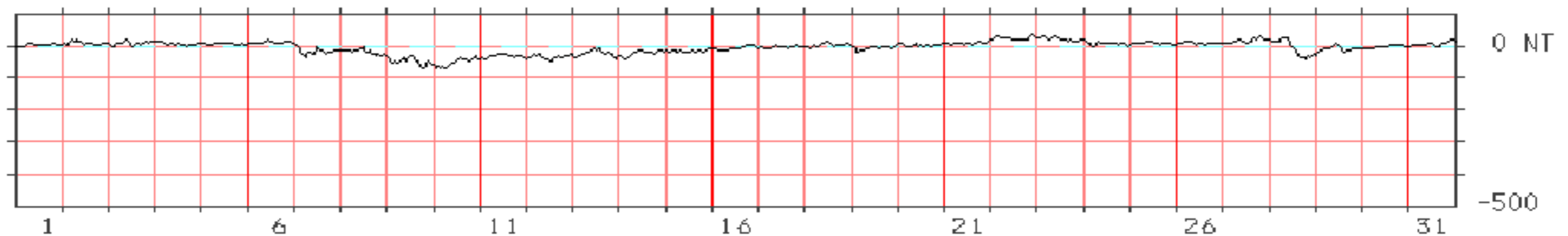
ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JUN-AUG 2001



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - May 2001 -

| 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 | 0 | -3 | -3 | -5 | 0 | 2 | 6 | 8 | 6 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 4 | 5 | 4 | 4 |
| 2 | 7 | 4 | 5 | 12 | 17 | 16 | 19 | 15 | 12 | 14 | 10 | 5 | 8 | 10 | 9 | 6 | 3 | 1 | 1 | 5 | 6 | 7 | 7 | 6 |
| 3 | 4 | -1 | 0 | 6 | 7 | 8 | 10 | 15 | 17 | 16 | 8 | 0 | 5 | 9 | 9 | 8 | 3 | 6 | 11 | 14 | 10 | 14 | 13 | 13 |
| 4 | 12 | 13 | 15 | 14 | 10 | 4 | 1 | 10 | 6 | 5 | 1 | 6 | 5 | 1 | 1 | 0 | 2 | 2 | 5 | 4 | 5 | 5 | 9 | 9 |
| 5 | 9 | 6 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 7 | 8 | 7 | 7 | 6 | 7 | 4 | 2 | 1 | 4 | 6 | 5 | 3 | 6 |
| 6 | 7 | 8 | 8 | 10 | 11 | 8 | 7 | 8 | 14 | 15 | 20 | 15 | 13 | 10 | 7 | 7 | 8 | 10 | 12 | 12 | 14 | 13 | 10 | 7 |
| 7 | 5 | -2 | -10 | -23 | -32 | -34 | -21 | -18 | -23 | -24 | -13 | -5 | -8 | -12 | -12 | -18 | -24 | -22 | -21 | -18 | -13 | -13 | -14 | -15 |
| 8 | -14 | -16 | -16 | -13 | -15 | -17 | -15 | -15 | -12 | -9 | -8 | -4 | -17 | -19 | -16 | -24 | -25 | -26 | -28 | -24 | -28 | -29 | -25 | -29 |
| 9 | -38 | -40 | -53 | -46 | -52 | -51 | -48 | -40 | -37 | -45 | -38 | -29 | -29 | -35 | -45 | -46 | -57 | -68 | -69 | -62 | -49 | -55 | -59 | -59 |
| 10 | -63 | -67 | -65 | -67 | -66 | -69 | -70 | -66 | -56 | -53 | -53 | -48 | -42 | -38 | -41 | -39 | -39 | -45 | -45 | -42 | -34 | -32 | -40 | -42 |
| 11 | -38 | -39 | -40 | -38 | -32 | -31 | -31 | -31 | -29 | -26 | -24 | -24 | -24 | -25 | -28 | -30 | -33 | -35 | -33 | -31 | -32 | -32 | -34 | -41 |
| 12 | -36 | -36 | -33 | -27 | -28 | -23 | -27 | -36 | -44 | -44 | -44 | -46 | -46 | -36 | -36 | -38 | -32 | -34 | -37 | -31 | -32 | -32 | -24 | -26 |
| 13 | -34 | -36 | -31 | -30 | -24 | -24 | -22 | -18 | -14 | -13 | -11 | -15 | -11 | -10 | -17 | -24 | -25 | -20 | -24 | -27 | -34 | -44 | -44 | -33 |
| 14 | -32 | -35 | -39 | -42 | -34 | -30 | -26 | -21 | -17 | -13 | -13 | -15 | -17 | -17 | -18 | -20 | -22 | -24 | -21 | -14 | -12 | -14 | -17 | -16 |
| 15 | -18 | -17 | -14 | -12 | -14 | -19 | -17 | -15 | -17 | -18 | -20 | -18 | -17 | -16 | -20 | -20 | -12 | -14 | -19 | -18 | -16 | -9 | -9 | -9 |
| 16 | -9 | -11 | -15 | -16 | -14 | -14 | -15 | -12 | -11 | -10 | -11 | -8 | -6 | -7 | -8 | -5 | -1 | 1 | 3 | 4 | 4 | 3 | -3 | -7 |
| 17 | -5 | -5 | -7 | -9 | -9 | -8 | -5 | 0 | 1 | -2 | -3 | -3 | -1 | -4 | -6 | -5 | -2 | -2 | 1 | 2 | 0 | -4 | -1 | 0 |
| 18 | 0 | -5 | -10 | -1 | 3 | 0 | 0 | 3 | 7 | 7 | 15 | 12 | 9 | 5 | -1 | 1 | 2 | 1 | 2 | 5 | 7 | 7 | 3 | 0 |
| 19 | -2 | -11 | -20 | -20 | -15 | -15 | -12 | -10 | -6 | -2 | -1 | -3 | -5 | -7 | -7 | -5 | -3 | -3 | -4 | -8 | -7 | -2 | 3 | 8 |
| 20 | 11 | 7 | 1 | -2 | -3 | -4 | 0 | 5 | 7 | 4 | 0 | 2 | -2 | -1 | 2 | 1 | 0 | 0 | 3 | 2 | 1 | 5 | 9 | 9 |
| 21 | 8 | 6 | 4 | 5 | 8 | 10 | 8 | 7 | 6 | 5 | 7 | 6 | 7 | 5 | 8 | 9 | 11 | 12 | 12 | 9 | 9 | 10 | 12 | 17 |
| 22 | 17 | 24 | 30 | 28 | 25 | 24 | 23 | 24 | 24 | 23 | 21 | 19 | 18 | 18 | 17 | 20 | 18 | 17 | 22 | 30 | 36 | 28 | 26 | 24 |
| 23 | 27 | 23 | 29 | 33 | 26 | 17 | 21 | 26 | 28 | 28 | 23 | 22 | 22 | 18 | 17 | 15 | 17 | 16 | 12 | 14 | 16 | 17 | 18 | 18 |
| 24 | 13 | 8 | 7 | 0 | -1 | 3 | 9 | 13 | 10 | 8 | 6 | 7 | 6 | 7 | 9 | 10 | 7 | 5 | 8 | 9 | 7 | 3 | 0 | 1 |
| 25 | 6 | 6 | 8 | 11 | 11 | 10 | 10 | 12 | 15 | 16 | 12 | 10 | 10 | 11 | 8 | 5 | 8 | 7 | 6 | 6 | 8 | 5 | 4 | 5 |
| 26 | 6 | 8 | 10 | 13 | 14 | 12 | 15 | 12 | 6 | 4 | 11 | 10 | 7 | 5 | 5 | 6 | 6 | 6 | 7 | 9 | 11 | 10 | 7 | 6 |
| 27 | 8 | 7 | 7 | 8 | 10 | 12 | 15 | 17 | 18 | 16 | 13 | 11 | 11 | 14 | 15 | 25 | 22 | 27 | 28 | 25 | 21 | 18 | 19 | 17 |
| 28 | 16 | 12 | 13 | 16 | 15 | 16 | 23 | 27 | 27 | 24 | 12 | -1 | -6 | -16 | -27 | -36 | -38 | -36 | -39 | -33 | -34 | -33 | -27 | -31 |
| 29 | -20 | -16 | -13 | -10 | -10 | -8 | -7 | -3 | 1 | 6 | 6 | 4 | -3 | -8 | -18 | -12 | -14 | -13 | -11 | -8 | -7 | -6 | -8 | -9 |
| 30 | -8 | -10 | -10 | -9 | -9 | -7 | -5 | -2 | 0 | 0 | -1 | -2 | -1 | 4 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | -1 | -2 | -2 |
| 31 | 0 | 3 | 4 | 5 | 4 | 2 | 3 | 4 | 4 | 6 | 6 | 6 | 2 | -1 | -1 | 0 | 6 | 8 | 10 | 16 | 18 | 20 | 17 | 16 |

DST
PROVISIONAL
2001
MAY
WDC-C2 KYOTO



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - June 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 | 18 | 17 | 15 | 15 | 13 | 13 | 15 | 20 | 25 | 26 | 21 | 7 | 8 | 9 | 14 | 15 | 18 | 22 | 29 | 31 | 40 | 34 | 30 |
| 2 | 22 | -11 | -21 | -19 | -15 | -22 | -24 | -18 | -9 | -2 | -2 | 0 | -1 | -6 | -8 | -9 | -11 | -15 | -20 | -19 | -15 | -13 | -8 | -7 |
| 3 | -7 | -6 | -4 | -4 | -3 | -5 | -12 | -10 | -5 | -1 | 2 | 2 | 2 | 2 | 0 | -2 | 2 | 3 | -2 | -6 | -6 | -5 | -5 | -7 |
| 4 | -8 | -12 | -16 | -13 | -11 | -13 | -9 | -7 | -3 | 1 | 5 | 4 | 4 | 2 | -1 | 1 | 5 | 3 | 1 | 1 | 0 | -2 | -2 | 7 |
| 5 | 8 | 3 | 3 | 2 | 1 | -1 | -3 | 0 | 5 | 6 | 6 | 3 | 3 | 4 | 5 | 5 | 7 | 8 | 7 | 5 | 4 | 3 | 0 | 0 |
| 6 | 1 | -2 | -2 | -3 | 0 | 3 | 1 | 3 | 10 | 13 | 12 | 11 | 11 | 9 | 5 | 6 | 2 | 0 | 1 | 2 | 7 | 8 | 8 | 8 |
| 7 | 10 | 8 | 8 | 10 | 6 | -1 | -5 | -8 | -6 | 0 | 5 | 3 | -1 | 1 | -3 | -4 | 0 | 2 | 0 | 3 | 8 | 11 | 12 | 13 |
| 8 | 14 | 12 | 16 | 21 | 24 | 21 | 24 | 24 | 26 | 22 | 16 | 18 | 19 | 16 | 11 | 14 | 14 | 14 | 18 | 17 | 18 | 17 | 16 | 17 |
| 9 | 23 | 25 | 27 | 25 | 22 | 9 | 10 | 4 | 4 | 8 | 8 | 8 | 4 | 3 | 4 | 2 | 6 | 4 | 4 | -10 | -16 | -28 | -25 | -14 |
| 10 | -16 | -26 | -24 | -23 | -23 | -22 | -23 | -23 | -20 | -19 | -17 | -15 | -18 | -16 | -16 | -19 | -16 | -11 | -6 | -9 | -9 | -6 | -3 | -3 |
| 11 | -4 | -5 | -5 | -4 | -5 | -7 | -10 | -9 | -5 | 0 | 5 | 6 | 5 | 7 | 8 | 6 | 0 | -3 | -1 | 3 | 5 | 6 | 7 | 5 |
| 12 | 1 | -1 | -2 | -3 | -3 | 3 | 4 | 5 | 4 | 6 | 9 | 9 | 8 | 6 | 5 | 7 | 9 | 7 | 5 | 0 | -4 | -5 | -4 | -4 |
| 13 | -6 | -7 | -8 | -6 | -8 | -14 | -12 | -12 | -14 | -16 | -17 | -18 | -14 | -14 | -13 | -13 | -12 | -11 | -10 | -7 | -3 | -4 | -3 | -2 |
| 14 | 0 | -1 | -2 | 0 | 1 | 2 | 3 | 7 | 10 | 10 | 8 | 4 | 7 | 9 | 8 | 10 | 12 | 11 | 7 | 3 | 1 | 8 | 23 | 17 |
| 15 | 14 | 16 | 15 | 12 | 6 | 0 | 1 | 0 | -3 | -1 | -3 | -3 | -1 | -1 | -1 | -1 | 2 | 3 | 4 | 7 | 5 | 6 | 5 | 6 |
| 16 | 13 | 16 | 17 | 13 | 15 | 19 | 14 | 12 | 15 | 13 | 13 | 14 | 13 | 11 | 9 | 9 | 9 | 8 | 7 | 4 | 0 | 0 | 4 | 7 |
| 17 | 7 | 6 | 8 | 8 | 9 | 11 | 11 | 11 | 15 | 17 | 15 | 9 | 4 | 3 | 0 | 1 | 3 | 3 | 0 | -3 | -3 | -3 | -4 | -5 |
| 18 | -2 | 4 | 9 | 31 | 10 | -14 | -29 | -48 | -57 | -57 | -53 | -55 | -45 | -41 | -45 | -41 | -32 | -26 | -27 | -39 | -47 | -40 | -43 | -34 |
| 19 | -35 | -40 | -35 | -36 | -36 | -37 | -37 | -34 | -27 | -21 | -17 | -18 | -22 | -19 | -17 | -6 | 1 | 0 | -5 | -14 | -18 | -19 | -11 | -9 |
| 20 | -13 | -15 | -13 | -11 | -13 | -19 | -18 | -16 | -18 | -18 | -15 | -12 | -15 | -18 | -20 | -20 | -15 | -11 | -11 | -13 | -12 | -11 | -8 | -7 |
| 21 | -3 | -4 | -7 | -12 | -13 | -16 | -25 | -27 | -26 | -20 | -15 | -19 | -14 | -11 | -11 | -10 | -11 | -15 | -20 | -22 | -20 | -22 | -25 | -22 |
| 22 | -18 | -15 | -13 | -11 | -7 | -7 | -8 | -9 | -8 | -4 | -4 | -6 | -6 | -6 | -6 | -7 | -4 | -3 | -3 | -1 | -1 | 0 | 1 | -1 |
| 23 | -2 | -2 | -4 | -5 | -5 | -6 | -7 | -5 | -4 | -3 | -2 | -1 | 0 | -1 | 2 | 3 | 2 | 4 | 8 | 11 | 12 | 12 | 13 | 10 |
| 24 | 8 | 6 | 7 | 6 | 5 | 2 | 0 | -3 | -2 | 1 | 2 | 1 | 5 | 7 | 5 | 5 | 5 | 9 | 11 | 6 | 3 | 0 | 0 | 1 |
| 25 | 4 | 3 | 1 | -1 | 0 | 0 | -6 | -8 | -4 | 3 | 8 | 6 | 4 | 6 | 5 | 5 | 6 | 10 | 12 | 13 | 14 | 15 | 13 | 11 |
| 26 | 11 | 11 | 12 | 11 | 11 | 11 | 10 | 9 | 12 | 7 | 11 | 13 | 8 | 3 | 1 | -5 | -13 | -15 | -16 | -9 | -12 | -13 | -11 | -11 |
| 27 | -12 | -12 | -11 | -16 | -18 | -16 | -14 | -11 | -7 | -2 | 0 | 0 | 1 | 2 | -1 | -5 | -2 | -1 | -1 | -2 | -1 | -1 | 0 | 1 |
| 28 | 0 | 3 | 5 | 6 | 7 | 4 | 2 | 3 | 6 | 5 | 4 | 3 | 3 | 6 | 7 | 7 | 9 | 11 | 10 | 9 | 9 | 10 | 11 | 13 |
| 29 | 15 | 15 | 17 | 18 | 18 | 19 | 18 | 17 | 16 | 15 | 15 | 16 | 18 | 18 | 17 | 14 | 13 | 11 | 10 | 10 | 11 | 14 | 16 | 19 |
| 30 | 21 | 23 | 22 | 21 | 23 | 23 | 22 | 22 | 22 | 13 | 3 | -4 | 1 | 2 | 2 | 1 | 2 | 1 | -3 | -5 | -5 | -4 | -5 | -4 |

