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C O N T E N T S

| | | |
|-------------------------------|---|------------------------------|
| Rapid Variations | - provisional determination of ssc and sfe | August 2001 |
| Classification of days | - five international quietest days and most disturbed days | August 2001 |
| aa | - hemispheric N, S, daily values and planetary half day and daily values | August 2001 |
| | - musical diagram of aa (latest values) | August up to Oct. 21 th 2001 |
| Quiet periods | - truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*) | August 2001 |
| am, Km | - three hour indices values musical diagram of Km | August 2001 |
| Am, ΣKm | - daily values | August 2001 |
| Ap, ΣKp | - daily values | August 2001 |
| | - monthly tables of hourly indices | August 2001 |

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

AUGUST 2001

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

03 07 16 A: SOD* CLF* COI BJI* HYB
 B: NUR* NGK* VAL* HRB EBR* SPT* HER*
 C: BDV* GCK GNA CNB

12 11 35 A: NGK* CLF* HRB NAG* EBR* COI BJI SPT* HTY*
 GUI HYB
 B: NUR* VAL* BDV* GCK* HER*
 C: SOD* CNB

17 11 03 A: CLF* HRB NAG* MMB* COI BJI SPT* KAK*
 KNY* GUI
 B: SOD* NUR* NGK* VAL* BDV* GCK* EBR* HTY*
 HYB HER
 C: GNA CNB

27 19 52 A: NGK* VAL CLF* NAG* EBR COI BJI SPT* GUI
 HYB
 B: BDV* HRB HTY* HER
 C: SOD* GCK* GNA CNB

30 14 11 B: NGK* CLF COI
 C: BDV* SPT* HYB
 si: VAL

02 1510-1520 NGK+
 03 0305-0315 MMB+ KAK+ HTY+ KNY+
 05 0338-0355 MMB+ KAK+ KNY+
 19 1847-1855 NGK+
 25 1544-1551 NGK
 29 0512-0535 MMB+ KAK+ KNY+

REPORTING OBSERVATORIES (up to 4th October 2001):

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

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

August 2001

16 24 15 11 29

17 13 5 22* 6*

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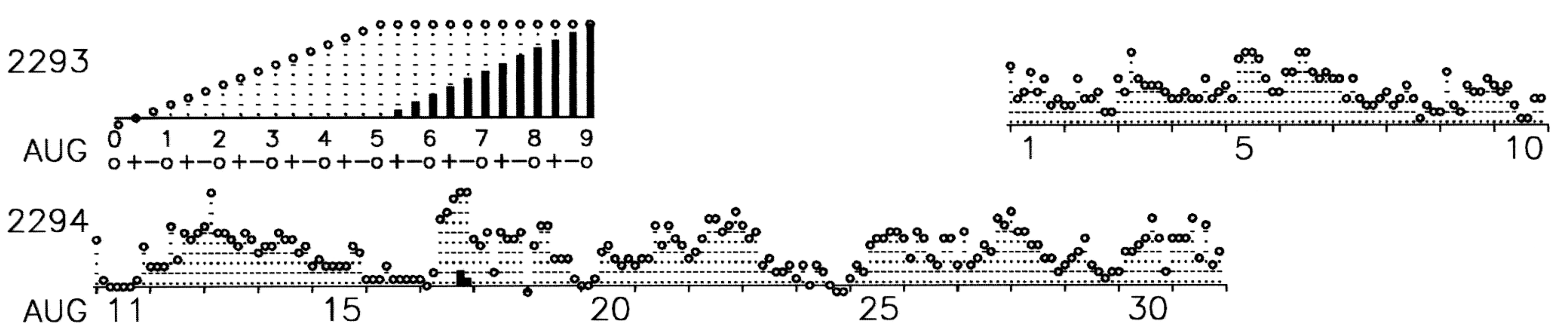
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| AUGUST 2001 | | | | | | Geomagnetic Indices (provisional) | | | | | | | | Daily Average and Sum | | | | |
|-------------|----|----|----|----|----|-----------------------------------|--|-------|-------|-------|-------|-------|--------|-----------------------|---------|-----|---------|-----|
| | 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 | | | | |
| 1 | 22 | 15 | 20 | 17 | 19 | | 36 3+ | 12 2- | 16 2o | 30 3o | 16 2o | 21 3- | 10 1+ | 12 2- | 19 | 18- | 9 | 17o |
| 2 | 13 | 9 | 10 | 12 | 11 | C | 8 1+ | 8 1+ | 23 3- | 12 2- | 12 2- | 15 2o | 7 1o | 6 1o | 11 | 13- | 6 | 12- |
| 3 | 29 | 18 | 27 | 20 | 24 | | 22 3- | 14 2o | 58 4o | 25 3- | 17 2+ | 18 2+ | 17 2+ | 14 2o | 23 | 20+ | 12 | 20o |
| 4 | 14 | 9 | 7 | 15 | 11 | C | 12 2- | 13 2- | 15 2o | 11 2- | 13 2- | 25 3- | 13 2- | 15 2o | 15 | 15o | 6 | 14- |
| 5 | 38 | 22 | 25 | 35 | 30 | | 18 2+ | 13 2- | 47 4- | 51 4o | 60 4o | 45 4- | 26 3- | 15 2o | 34 | 24o | 21 | 26+ |
| 6 | 41 | 42 | 36 | 47 | 41 | | 15 2o | 27 3o | 31 3o | 59 4o | 54 4o | 33 3o | 21 3- | 29 3o | 34 | 25- | 17 | 25+ |
| 7 | 15 | 11 | 16 | 10 | 13 | C | 23 3- | 24 3- | 13 2- | 26 3- | 11 2- | 8 1+ | 9 1+ | 11 2- | 16 | 16- | 7 | 14+ |
| 8 | 16 | 10 | 15 | 11 | 13 | C C | 15 2o | 10 1+ | 11 2- | 19 2+ | 11 2- | 5 1- | 8 1+ | 6 1o | 11 | 12o | 6 | 12o |
| 9 | 19 | 14 | 11 | 22 | 17 | | 7 1o | 27 3o | 8 1+ | 6 1o | 18 2+ | 16 2o | 14 2o | 23 3- | 15 | 15+ | 7 | 14+ |
| 10 | 13 | 10 | 14 | 9 | 11 | C K | 19 2+ | 15 2o | 17 2+ | 9 1+ | 5 1- | 5 1- | 13 2- | 13 2- | 12 | 13- | 6 | 13o |
| 11 | 10 | 6 | 7 | 9 | 8 | C K * | 26 3- | 5 1- | 3 0+ | 2 0+ | 2 0+ | 3 0+ | 4 1- | 20 2+ | 8 | 8- | 4 | 7+ |
| 12 | 27 | 23 | 19 | 31 | 25 | | 9 1+ | 9 1+ | 8 1+ | 38 3+ | 13 2- | 32 3o | 24 3- | 32 3o | 21 | 18- | 12 | 19- |
| 13 | 42 | 28 | 45 | 24 | 35 | | 38 3+ | 87 5o | 30 3o | 31 3o | 26 3- | 18 2+ | 27 3o | 21 3- | 35 | 25o | 22 | 27+ |
| 14 | 25 | 18 | 19 | 24 | 22 | | 16 2o | 18 2+ | 17 2+ | 28 3o | 23 3- | 21 3- | 14 2o | 18 2+ | 19 | 19+ | 10 | 19o |
| 15 | 14 | 6 | 8 | 13 | 10 | C K * | 10 1+ | 12 2- | 8 1+ | 9 1+ | 9 1+ | 10 1+ | 18 2+ | 16 2o | 12 | 13- | 5 | 11o |
| 16 | 7 | 4 | 6 | 5 | 5 | C K * | 5 1- | 5 1- | 4 1- | 10 1+ | 4 1- | 4 1- | 4 1- | 5 1- | 5 | 6o | 3 | 6- |
| 17 | 54 | 51 | 10 | 95 | 52 | | 5 1- | 2 0+ | 6 1o | 43 4- | 53 4o | 75 5- | 145 6- | 115 5+ | 56 | 25+ | 42 | 29- |
| 18 | 30 | 22 | 23 | 29 | 26 | | 21 3- | 18 2+ | 32 3o | 6 1o | 30 3o | 22 3- | 21 3- | 31 3o | 23 | 20+ | 15 | 23- |
| 19 | 16 | 19 | 26 | 10 | 18 | | 1 0o | 18 2+ | 35 3+ | 34 3+ | 12 2- | 13 2- | 13 2- | 5 1- | 16 | 15- | 8 | 14+ |
| 20 | 14 | 9 | 9 | 15 | 12 | C C | 3 0+ | 3 0+ | 5 1- | 16 2o | 18 2+ | 12 2- | 10 1+ | 13 2- | 10 | 10+ | 6 | 12o |
| 21 | 28 | 19 | 18 | 29 | 24 | | 9 1+ | 11 2- | 13 2- | 35 3+ | 17 2+ | 36 3+ | 24 3- | 20 2+ | 21 | 19- | 13 | 20+ |
| 22 | 35 | 32 | 25 | 42 | 33 | | 11 2- | 15 2o | 23 3- | 43 4- | 46 4- | 28 3o | 38 3+ | 51 4o | 32 | 24o | 19 | 26- |
| 23 | 19 | 12 | 23 | 8 | 16 | | 37 3+ | 22 3- | 30 3o | 8 1+ | 11 2- | 6 1o | 7 1o | 8 1+ | 16 | 15+ | 8 | 15- |
| 24 | 5 | 5 | 6 | 4 | 5 | C C * | 4 1- | 8 1+ | 2 0+ | 8 1+ | 6 1o | 3 0+ | 1 0o | 1 0o | 4 | 5o | 3 | 5+ |
| 25 | 20 | 17 | 11 | 26 | 18 | | 4 1- | 8 1+ | 7 1o | 20 2+ | 21 3- | 23 3- | 30 3o | 28 3o | 18 | 17- | 10 | 17- |
| 26 | 23 | 27 | 28 | 23 | 25 | | 21 3- | 13 2- | 33 3o | 26 3- | 13 2- | 10 1+ | 23 3- | 26 3- | 21 | 18+ | 10 | 19o |
| 27 | 21 | 18 | 11 | 28 | 20 | | 9 1+ | 28 3o | 9 1+ | 12 2- | 19 2+ | 15 2o | 48 4- | 38 3+ | 22 | 19- | 13 | 19+ |
| 28 | 24 | 15 | 24 | 15 | 20 | | 52 4o | 33 3o | 28 3o | 20 2+ | 17 2+ | 13 2- | 11 2- | 7 1o | 23 | 19o | 11 | 19- |
| 29 | 12 | 12 | 15 | 9 | 12 | C C * | 8 1+ | 13 2- | 16 2o | 23 3- | 10 1+ | 6 1o | 5 1- | 7 1o | 11 | 12- | 5 | 11+ |
| 30 | 21 | 19 | 10 | 31 | 20 | | 6 1o | 15 2o | 16 2o | 20 2+ | 25 3- | 47 4- | 26 3- | 7 1o | 20 | 17+ | 10 | 17o |
| 31 | 22 | 23 | 24 | 21 | 22 | | 25 3- | 21 3- | 21 3- | 45 4- | 13 2- | 37 3+ | 10 1+ | 15 2o | 23 | 20o | 12 | 21- |

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



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

