

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
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C O N T E N T S

| | | |
|-------------------------------|---|-----------------------------|
| Rapid Variations | - provisional determination of ssc and sfe | May 2011 |
| Classification of days | - five international quietest days and most disturbed days | May 2011 |
| aa | - hemispheric N, S, daily values and planetary half day and daily values | May 2011 |
| | - musical diagram of aa (latest values) | May 2011 up to 24 July 2011 |
| Quiet periods | - truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*) | May 2011 |
| am, Km | - three hour indices values musical diagram of Km | May 2011 |
| Am, ΣKm | - daily values | May 2011 |
| Ap, ΣKp | - daily values | May 2011 |
| | - monthly tables of hourly indices | May 2011 |

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

MAY 2011

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

26 13 59 B: LER* ESK* VAL* HAD* NAG
 C: NGK* GCK

18 1454-1525 GUI
 28 1410-1436 LER ESK HAD

REPORTING OBSERVATORIES (up to 01-07-2011) :

SOD NUR LER ESK NGK VAL HAD DOU BDV NAG GCK MMB HRT EBR SPT KAK KNY
 GUI GNA CNB LIV

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

May 2011

20 8 12 25 9

28 29 2 1* 31*

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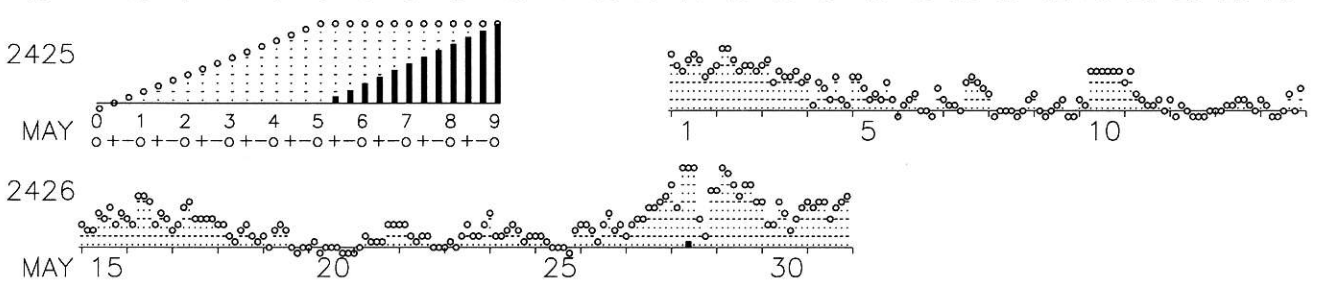
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| APRIL 2011 | | | | | | Geomagnetic Indices (provisional) | | | | | | | | Daily Average and Sum | | | | |
|------------|----|----|----|----|----|-----------------------------------|--|-------|-------|-------|-------|-------|-------|-----------------------|-----------------|------|----|------|
| | 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 | 20 | 22 | 12 | 30 | 21 | | 8 1+ | 6 1o | 9 1+ | 17 2+ | 15 2o | 39 3+ | 50 4- | 31 3o | 22 | 18o | 12 | 19- |
| 2 | 48 | 29 | 40 | 37 | 39 | | 59 4o | 29 3o | 35 3+ | 42 4- | 23 3- | 10 1+ | 31 3o | 72 5- | 38 | 26- | 20 | 27o |
| 3 | 30 | 32 | 32 | 31 | 31 | | 31 3o | 35 3+ | 26 3- | 29 3o | 23 3- | 19 2+ | 33 3o | 40 3+ | 30 | 23+ | 16 | 25o |
| 4 | 15 | 11 | 18 | 8 | 13 | K | 33 3o | 22 3- | 13 2- | 10 1+ | 6 1o | 9 1+ | 3 0+ | 5 1- | 13 | 12o | 7 | 12o |
| 5 | 13 | 11 | 11 | 13 | 12 | C | 13 2- | 10 1+ | 8 1+ | 12 2- | 1 0o | 1 0o | 18 2+ | 17 2+ | 10 | 11- | 6 | 12- |
| 6 | 52 | 36 | 27 | 61 | 44 | | 19 2+ | 18 2+ | 10 1+ | 61 4+ | 79 5- | 59 4o | 46 4- | 38 3+ | 41 | 26o | 26 | 29- |
| 7 | 10 | 6 | 11 | 4 | 8 | C | 19 2+ | 14 2o | 5 1- | 2 0+ | 1 0o | 4 1- | 8 1+ | 4 1- | 7 | 8o | 5 | 9- |
| 8 | 23 | 19 | 9 | 33 | 21 | | 10 1+ | 2 0+ | 9 1+ | 12 2- | 23 3- | 17 2+ | 27 3o | 54 4o | 19 | 17- | 10 | 17o |
| 9 | 12 | 10 | 16 | 6 | 11 | C | 19 2+ | 18 2+ | 19 2+ | 9 1+ | 8 1+ | 6 1o | 2 0+ | 2 0+ | 10 | 11+ | 6 | 12- |
| 10 | 7 | 6 | 4 | 9 | 6 | C C * | 7 1o | 2 0+ | 1 0o | 0 0o | 8 1+ | 8 1+ | 4 1- | 10 1+ | 5 | 6o | 2 | 5- |
| 11 | 15 | 10 | 8 | 18 | 13 | K | 14 2o | 2 0+ | 9 1+ | 10 1+ | 16 2o | 27 3o | 17 2+ | 11 2- | 13 | 14o | 7 | 14o |
| 12 | 41 | 34 | 34 | 40 | 37 | | 13 2- | 17 2+ | 60 4o | 54 4o | 51 4o | 33 3o | 9 1+ | 26 3- | 33 | 23o | 23 | 27+ |
| 13 | 20 | 18 | 28 | 10 | 19 | | 29 3o | 26 3- | 37 3+ | 26 3- | 17 2+ | 6 1o | 1 0o | 6 1o | 19 | 16o | 12 | 19- |
| 14 | 7 | 6 | 8 | 5 | 6 | C C | 6 1o | 14 2o | 12 2- | 2 0+ | 1 0o | 1 0o | 2 0+ | 13 2- | 6 | 7o | 4 | 8o |
| 15 | 8 | 5 | 7 | 7 | 7 | C C | 9 1+ | 10 1+ | 4 1- | 10 1+ | 7 1o | 5 1- | 5 1- | 6 1o | 7 | 8o | 4 | 9- |
| 16 | 7 | 6 | 8 | 6 | 7 | C C * | 1 0o | 7 1o | 7 1o | 8 1+ | 3 0+ | 3 0+ | 2 0+ | 5 1- | 5 | 5o | 3 | 6o |
| 17 | 6 | 8 | 5 | 9 | 7 | C K | 1 0o | 3 0+ | 2 0+ | 9 1+ | 10 1+ | 6 1o | 4 1- | 4 1- | 5 | 6- | 3 | 6+ |
| 18 | 18 | 19 | 18 | 19 | 19 | K | 1 0o | 5 1- | 28 3o | 30 3o | 29 3o | 16 2o | 4 1- | 10 1+ | 15 | 14- | 9 | 15o |
| 19 | 11 | 6 | 7 | 10 | 8 | C | 6 1o | 9 1+ | 8 1+ | 6 1o | 5 1- | 4 1- | 3 0+ | 15 2o | 7 | 8+ | 4 | 9- |
| 20 | 32 | 21 | 42 | 12 | 27 | | 28 3o | 63 4+ | 42 4- | 23 3- | 18 2+ | 10 1+ | 4 1- | 5 1- | 24 | 19- | 16 | 20+ |
| 21 | 9 | 6 | 7 | 8 | 7 | C C | 6 1o | 9 1+ | 8 1+ | 3 0+ | 2 0+ | 5 1- | 8 1+ | 10 1+ | 6 | 8- | 4 | 9- |
| 22 | 10 | 11 | 13 | 8 | 10 | C C | 17 2+ | 15 2o | 8 1+ | 15 2o | 8 1+ | 7 1o | 2 0+ | 5 1- | 10 | 11o | 5 | 11+ |
| 23 | 7 | 9 | 10 | 6 | 8 | C C | 14 2o | 2 0+ | 6 1o | 20 2+ | 1 0o | 5 1- | 1 0o | 3 0+ | 7 | 7- | 3 | 6+ |
| 24 | 12 | 11 | 7 | 17 | 12 | K C | 6 1o | 6 1o | 1 0o | 6 1o | 8 1+ | 21 3- | 9 1+ | 27 3o | 11 | 11+ | 6 | 11+ |
| 25 | 9 | 5 | 8 | 6 | 7 | C C | 12 2- | 20 2+ | 8 1+ | 1 0o | 3 0+ | 7 1o | 3 0+ | 1 0o | 7 | 7o | 4 | 8- |
| 26 | 6 | 4 | 4 | 5 | 5 | C C * | 1 0o | 1 0o | 7 1o | 5 1- | 2 0+ | 4 1- | 3 0+ | 4 1- | 3 | 4- | 2 | 3o |
| 27 | 4 | 3 | 2 | 4 | 3 | C C * | 1 0o | 1 0o | 1 0o | 1 0o | 1 0o | 3 0+ | 3 0+ | 0 0o | 1 | 1- | 1 | 2- |
| 28 | 4 | 5 | 2 | 7 | 4 | C C * | 0 0o | 0 0o | 1 0o | 1 0o | 2 0+ | 6 1o | 8 1+ | 7 1o | 3 | 4- | 2 | 5- |
| 29 | 25 | 17 | 8 | 34 | 21 | | 5 1- | 18 2+ | 10 1+ | 6 1o | 4 1- | 13 2- | 26 3- | 75 5- | 20 | 15o | 12 | 16o |
| 30 | 52 | 44 | 52 | 43 | 48 | | 62 4+ | 25 3- | 30 3o | 65 4+ | 39 3+ | 20 2+ | 41 4- | 53 4o | 42 | 28- | 26 | 31o |

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) MAY 2011



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAY-JUL 2011

