

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
**INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES**



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| <b>C O N T E N T S</b>        |   |                         |
|-------------------------------|---|-------------------------|
| <b>Rapid Variations</b>       | - provisional determination of ssc and sfe  | March 2009              |
| <b>Classification of days</b> | - five international quietest days<br>and most disturbed days   | March 2009              |
| <b>aa</b>                     | - hemispheric N, S, daily values<br>and planetary half day and daily values   | March 2009              |
| <b>Quiet periods</b>          | - musical diagram of aa (latest values)   | March up to 24 May 2009 |
|                               | - truly magnetically very quiet (C) and quiet (K)<br>periods of 24 and 48 hours,<br>and 5 international quietest days (*) | March 2009              |
| <b>am, Km</b>                 | - three hour indices values<br>musical diagram of Km  | March 2009              |
| <b>Am, ΣKm</b>                | - daily values  | March 2009              |
| <b>Ap, ΣKp</b>                | - daily values  | March 2009              |
|                               | - monthly tables of hourly indices  | March 2009              |

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

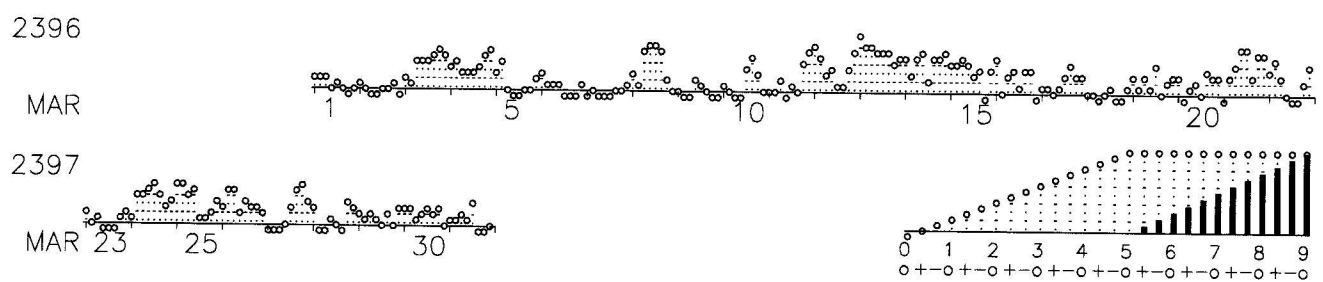
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| <b>PRELIMINARY REPORT ON RAPID VARIATIONS</b>  |   | <b>MARCH 2009</b>                             |
|--|---|---|
| <b>SSC - Storm Sudden Commencements</b>  |   | <b>SFE - Solar Flare Effects</b>              |
| 03 06 02   | A: NAG*<br>B: LER* ESK* VAL HAD* SPT* GUI GNA CNB<br>LIV<br>C: NUR NGK* BDV* CLF* HYB<br>S: EBR | NONE  |
| REPORTING OBSERVATORIES (up to 05/05/2009) :   |   |   |
| NUR LER ESK NGK VAL HAD DOU BDV CLF HRB NAG GCK MMB EBR SPT KAK KNY GUI HYB<br>GNA CNB LIV |   |   |
|  | <b>FIVE INTERNATIONAL QUIETEST DAYS</b>   | <b>FIVE INTERNATIONAL MOST DISTURBED DAYS</b> |
| <b>Mars 2009</b>   | 2 7 9 18 6  | 13* 14* 8* 25* 15*                            |

| MARCH 2009 |    |    |    |    |            | Geomagnetic Indices (provisional)      |       |       |       |       |       |       |       | Daily Average and Sum |      |     |      |     |
|------------|----|----|----|----|------------|--|-------|-------|-------|-------|-------|-------|-------|-----------------------|------|-----|------|-----|
|            | aa |    |    |    | quiet days | am and Km for each three hour interval |       |       |       |       |       |       |       | Daily Average and Sum |      |     |      |     |
|            | N  | S  | am | pm |            | 1                                      | 2     | 3     | 4     | 5     | 6     | 7     | 8     | Am                    | Σ Km | Ap  | Σ Kp |     |
| 1          | 7  | 6  | 9  | 4  | 6          | CC                                     | 6 1o  | 6 1o  | 7 1o  | 3 0+  | 5 1-  | 3 0+  | 1 0o  | 3 0+                  | 4    | 5-  | 3    | 5o  |
| 2          | 4  | 5  | 4  | 5  | 4          | CC*                                    | 4 1-  | 3 0+  | 0 0o  | 1 0o  | 2 0+  | 2 0+  | 5 1-  | 1 0o                  | 2    | 2+  | 1    | 1o  |
| 3          | 17 | 18 | 15 | 20 | 18         | K                                      | 6 1o  | 4 1-  | 16 2o | 15 2o | 14 2o | 18 2+ | 23 3- | 17 2+                 | 14   | 15o | 7    | 15o |
| 4          | 17 | 11 | 11 | 17 | 14         |  | 11 2- | 14 2o | 8 1+  | 9 1+  | 9 1+  | 11 2- | 17 2+ | 21 3-                 | 13   | 14+ | 7    | 15- |
| 5          | 9  | 3  | 8  | 4  | 6          | CC                                     | 9 1+  | 16 2o | 2 0+  | 1 0o  | 0 0o  | 2 0+  | 3 0+  | 6 1o                  | 5    | 5+  | 4    | 6+  |
| 6          | 5  | 5  | 6  | 4  | 5          | CC*                                    | 10 1+ | 5 1-  | 4 1-  | 4 1-  | 1 0o  | 0o    | 0o    | 5 1-                  | 4    | 4o  | 2    | 4-  |
| 7          | 3  | 2  | 2  | 3  | 2          | CC*                                    | 1 0o  | 2 0+  | 1 0o  | 0o    | 0 0o  | 2 0+  | 3 0+  | 4 1-                  | 2    | 2-  | 2    | 2o  |
| 8          | 17 | 14 | 14 | 17 | 15         | K                                      | 10 1+ | 5 1-  | 25 3- | 29 3o | 32 3o | 24 3- | 6 1o  | 2 0+                  | 17   | 15- | 9    | 15+ |
| 9          | 4  | 4  | 4  | 4  | 4          | CK*                                    | 2 0+  | 0 0o  | 0o    | 6 1o  | 4 1-  | 2 0+  | 1 0o  | 0 0o                  | 2    | 2+  | 2    | 2+  |
| 10         | 8  | 9  | 5  | 12 | 9          | CC                                     | 4 1-  | 2 0+  | 1 0o  | 1 0o  | 12 2- | 17 2+ | 10 1+ | 3 0+                  | 6    | 7-  | 4    | 7o  |
| 11         | 10 | 8  | 4  | 14 | 9          | CK                                     | 3 0+  | 2 0+  | 6 1o  | 1 0o  | 5 1-  | 2 0+  | 16 2o | 21 3-                 | 7    | 7+  | 4    | 8-  |
| 12         | 18 | 13 | 19 | 12 | 16         |  | 32 3o | 17 2+ | 8 1+  | 11 2- | 5 1-  | 4 1-  | 12 2- | 22 3-                 | 14   | 14o | 8    | 14- |
| 13         | 34 | 31 | 37 | 29 | 33         |  | 49 4- | 30 3o | 30 3o | 25 3- | 21 3- | 26 3- | 14 2o | 20 2+                 | 27   | 22o | 17   | 25- |
| 14         | 20 | 18 | 20 | 18 | 19         |  | 20 2+ | 9 1+  | 17 2+ | 22 3- | 7 1o  | 20 2+ | 18 2+ | 25 3-                 | 17   | 17o | 10   | 18o |
| 15         | 15 | 14 | 17 | 13 | 15         |  | 14 2o | 16 2o | 19 2+ | 15 2o | 9 1+  | 11 2- | 0 0o  | 13 2-                 | 12   | 13o | 8    | 15+ |
| 16         | 10 | 13 | 13 | 10 | 11         | CC                                     | 17 2+ | 3 0+  | 9 1+  | 13 2- | 4 1-  | 13 2- | 13 2- | 1 0o                  | 9    | 10- | 5    | 10o |
| 17         | 9  | 4  | 4  | 10 | 7          | CC                                     | 5 1-  | 4 1-  | 2 0+  | 4 1-  | 8 1+  | 14 2o | 9 1+  | 9 1+                  | 7    | 8+  | 4    | 8+  |
| 18         | 5  | 5  | 4  | 6  | 5          | CC*                                    | 3 0+  | 3 0+  | 1 0o  | 3 0+  | 5 1-  | 1 0o  | 1 0o  | 4 1-                  | 3    | 2+  | 2    | 3o  |
| 19         | 10 | 11 | 9  | 13 | 11         | CC                                     | 10 1+ | 5 1-  | 8 1+  | 5 1-  | 14 2o | 3 0+  | 7 1o  | 10 1+                 | 8    | 9-  | 4    | 8-  |
| 20         | 7  | 8  | 6  | 9  | 7          | CK                                     | 9 1+  | 1 0o  | 4 1-  | 6 1o  | 2 0+  | 13 2- | 10 1+ | 9 1+                  | 7    | 8-  | 4    | 7o  |
| 21         | 19 | 23 | 18 | 25 | 21         |  | 1 0o  | 10 1+ | 14 2o | 29 3o | 33 3o | 8 1+  | 21 3- | 24 3-                 | 18   | 16o | 8    | 14+ |
| 22         | 11 | 8  | 11 | 8  | 10         | CK                                     | 12 2- | 17 2+ | 8 1+  | 3 0+  | 1 0o  | 1 0o  | 7 1o  | 14 2o                 | 8    | 9-  | 5    | 9o  |
| 23         | 4  | 4  | 4  | 4  | 4          | CC                                     | 7 1o  | 3 0+  | 4 1-  | 0 0o  | 1 0o  | 0o    | 5 1-  | 6 1o                  | 3    | 4-  | 2    | 4o  |
| 24         | 15 | 17 | 13 | 19 | 16         |  | 5 1-  | 16 2o | 14 2o | 20 2+ | 21 3- | 16 2o | 8 1+  | 11 2-                 | 14   | 15- | 7    | 15o |
| 25         | 23 | 12 | 28 | 8  | 18         |  | 26 3- | 25 3- | 14 2o | 20 2+ | 5 1-  | 5 1-  | 6 1o  | 11 2-                 | 14   | 14- | 9    | 15o |
| 26         | 12 | 9  | 13 | 8  | 11         | CC                                     | 10 1+ | 18 2+ | 20 2+ | 6 1o  | 11 2- | 8 1+  | 9 1+  | 6 1o                  | 11   | 12+ | 7    | 13+ |
| 27         | 13 | 10 | 3  | 20 | 11         | KK                                     | 1 0o  | 1 0o  | 1 0o  | 2 0+  | 9 1+  | 18 2+ | 26 3- | 12 2-                 | 9    | 8+  | 5    | 9o  |
| 28         | 7  | 5  | 5  | 7  | 6          | CK                                     | 8 1+  | 0o    | 1 0o  | 4 1-  | 2 0+  | 1 0o  | 12 2- | 8 1+                  | 5    | 5+  | 3    | 7-  |
| 29         | 6  | 6  | 6  | 6  | 6          | CC                                     | 6 1o  | 5 1-  | 6 1o  | 5 1-  | 2 0+  | 7 1o  | 2 0+  | 9 1+                  | 5    | 6+  | 4    | 7o  |
| 30         | 9  | 7  | 9  | 7  | 8          | CC                                     | 9 1+  | 9 1+  | 5 1-  | 7 1o  | 9 1+  | 6 1o  | 8 1+  | 2 0+                  | 7    | 8+  | 4    | 8o  |
| 31         | 5  | 7  | 7  | 5  | 6          | CC                                     | 5 1-  | 5 1-  | 6 1o  | 4 1-  | 11 2- | 1 0o  | 1 0o  | 2 0+                  | 4    | 5o  | 3    | 6+  |

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) MAR 2009



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAR-MAY 2009

