# IUGG: Association of Geomagnetism and Aeronomy

(International Service of Geomagnetic Indices)

## July 1997

### International quiet and disturbed days

| | | | | | | |
|---|---|---|---|---|---|---|
| Quietest days | 1 – 5 : | 14 | 12 | 13 | 29 | 1 |
| | 6 – 10 : | 8 | 26 | 5 | 11 | 6 |
| Most disturbed days | 1 – 5 : | 31* | 7* | 15* | 24* | 9* |

### Geomagnetic Planetary Indices

| | Kp three-hourly | | | | | | | | daily | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Sum | Ap | Cp |
| 1 | 1o | 1+ | 0+ | 0+ | 1+ | 1o | 1o | 1o | 7+ | 4 | 0.1 |
| 2 | 1+ | 1- | 0+ | 0+ | 1+ | 1- | 2- | 2- | 8o | 4 | 0.1 |
| 3 | 2o | 1+ | 1o | 2o | 2+ | 2- | 0+ | 1+ | 12o | 6 | 0.3 |
| 4 | 2- | 2- | 1+ | 1- | 2- | 3- | 1+ | 1o | 12o | 6 | 0.3 |
| 5 | 1- | 1+ | 1+ | 1o | 2- | 1o | 0+ | 0+ | 8- | 4 | 0.1 |
| 6 | 1- | 2- | 1+ | 2- | 1- | 0+ | 1o | 1- | 8o | 4 | 0.1 |
| 7 | 1o | 3o | 2+ | 2o | 2+ | 4- | 4o | 4o | 22+ | 15 | 0.8 |
| 8 | 1+ | 1o | 1- | 1- | 1o | 1o | 1- | 1+ | 8- | 4 | 0.1 |
| 9 | 3- | 3- | 2- | 1- | 2- | 3+ | 4- | 2o | 18+ | 11 | 0.6 |
| 10 | 1- | 1+ | 2o | 2+ | 2- | 2- | 1+ | 1o | 12o | 6 | 0.3 |
| 11 | 1o | 1- | 1- | 1o | 2- | 1- | 1+ | 1+ | 8+ | 4 | 0.1 |
| 12 | 1o | 1- | 0+ | 0o | 1- | 1- | 1- | 1- | 5- | 3 | 0.0 |
| 13 | 0+ | 1o | 1o | 1- | 1- | 1o | 1- | 1- | 6o | 3 | 0.1 |
| 14 | 0+ | 0+ | 0+ | 0+ | 1- | 1o | 1- | 0+ | 4o | 2 | 0.0 |
| 15 | 1o | 2+ | 2o | 4- | 3- | 3+ | 3- | 2+ | 20o | 12 | 0.7 |
| 16 | 2- | 2- | 1o | 1o | 1+ | 1o | 1o | 1o | 10- | 5 | 0.2 |
| 17 | 0+ | 1o | 2+ | 1o | 1o | 2- | 2o | 3o | 12+ | 6 | 0.3 |
| 18 | 2+ | 3+ | 2+ | 2+ | 2o | 2- | 1- | 2- | 16+ | 8 | 0.5 |
| 19 | 2- | 3o | 2o | 2- | 3- | 2+ | 2- | 2o | 17o | 8 | 0.5 |
| 20 | 2+ | 1+ | 1o | 2o | 2o | 1o | 1- | 1- | 11o | 5 | 0.2 |
| 21 | 1- | 1o | 2- | 1o | 1o | 2- | 2- | 1+ | 10o | 5 | 0.2 |
| 22 | 1+ | 1- | 1- | 1+ | 2- | 1+ | 2- | 1- | 9+ | 4 | 0.2 |
| 23 | 1- | 1+ | 1o | 1- | 1o | 1- | 1+ | 2+ | 9o | 4 | 0.2 |
| 24 | 2- | 1+ | 2+ | 2+ | 4- | 3- | 3o | 3- | 20- | 11 | 0.6 |
| 25 | 2+ | 1+ | 1- | 1o | 1o | 1o | 2- | 1o | 10o | 5 | 0.2 |
| 26 | 1- | 1- | 1o | 0+ | 1- | 1o | 1+ | 2- | 7+ | 4 | 0.1 |
| 27 | 1o | 1+ | 1+ | 1+ | 2- | 2- | 1- | 2- | 11- | 5 | 0.2 |
| 28 | 2- | 1- | 1+ | 1+ | 2o | 1+ | 1- | 1- | 10- | 5 | 0.2 |
| 29 | 1- | 1+ | 1o | 1- | 1o | 1- | 1o | 1- | 7o | 4 | 0.1 |
| 30 | 3o | 2+ | 1- | 1o | 0+ | 0+ | 1o | 3o | 12- | 7 | 0.3 |
| 31 | 4o | 4+ | 3+ | 3+ | 2+ | 2- | 1+ | 2o | 22+ | 15 | 0.9 |
| | | | | | | | | | Mean | 6 | 0.28 |

Preliminary sudden commencements: none

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