# IUGG: Association of Geomagnetism and Aeronomy

(International Service of Geomagnetic Indices)

## January 2013

### International quiet and disturbed days

| | | | | | | |
|---|---|---|---|---|---|---|
| Quietest days | 1 – 5 : | 1 | 22 | 5 | 30 | 10 |
| | 6 – 10 : | 31 | 3 | 23 | 24 | 4 |
| Most disturbed days | 1 – 5 : | 26 | 17* | 13* | 18* | 20* |

### Geomagnetic Planetary Indices

| | Kp three-hourly | | | | | | | | daily | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Sum | Ap | Cp |
| 1 | 1− | 0+ | 0+ | 0o | 0+ | 0o | 0o | 0o | 2− | 1 | 0.0 |
| 2 | 1− | 1− | 1+ | 1o | 1− | 1− | 1o | 1− | 7− | 4 | 0.1 |
| 3 | 2− | 1− | 1− | 0+ | 1− | 0o | 0o | 0o | 4o | 2 | 0.0 |
| 4 | 2− | 0+ | 1o | 0+ | 0o | 0o | 1− | 1− | 5− | 2 | 0.0 |
| 5 | 1− | 1o | 1o | 1− | 0o | 0o | 0+ | 0o | 4− | 2 | 0.0 |
| 6 | 1− | 1− | 1− | 1o | 1o | 1o | 2− | 1o | 8− | 4 | 0.1 |
| 7 | 1+ | 0+ | 2− | 0+ | 0+ | 0o | 0+ | 1− | 5o | 3 | 0.0 |
| 8 | 1− | 1+ | 1o | 1+ | 0+ | 1o | 1o | 2+ | 9o | 4 | 0.2 |
| 9 | 2+ | 1+ | 0+ | 2+ | 1− | 0+ | 1− | 1− | 9− | 4 | 0.2 |
| 10 | 1+ | 0+ | 1− | 1− | 0+ | 0+ | 1− | 0+ | 5− | 3 | 0.0 |
| 11 | 1− | 1− | 1o | 1− | 1− | 0o | 1− | 2− | 6o | 3 | 0.1 |
| 12 | 2o | 1o | 1o | 1o | 1− | 0+ | 1o | 0+ | 7+ | 4 | 0.1 |
| 13 | 3− | 1+ | 2o | 1+ | 2+ | 3− | 3− | 4− | 19− | 10 | 0.6 |
| 14 | 3+ | 2+ | 3− | 2+ | 2o | 2− | 2o | 2− | 18o | 9 | 0.5 |
| 15 | 2o | 2o | 1+ | 2o | 2− | 1− | 1+ | 0+ | 11+ | 5 | 0.2 |
| 16 | 1+ | 1o | 2o | 1− | 1− | 1o | 2+ | 2o | 11o | 5 | 0.2 |
| 17 | 3o | 3o | 2− | 2− | 3o | 4o | 3− | 3o | 22o | 14 | 0.8 |
| 18 | 3o | 3o | 2− | 2o | 3o | 2o | 2o | 3o | 20− | 11 | 0.6 |
| 19 | 3+ | 1o | 1− | 0+ | 1+ | 2+ | 2o | 3− | 14− | 8 | 0.4 |
| 20 | 3+ | 3o | 4− | 2o | 3− | 1o | 0+ | 1− | 17− | 10 | 0.6 |
| 21 | 2o | 2o | 1− | 1+ | 1o | 1− | 0+ | 1o | 9o | 4 | 0.2 |
| 22 | 1− | 0+ | 1o | 0+ | 0o | 0o | 0o | 0o | 2+ | 1 | 0.0 |
| 23 | 1− | 1o | 2− | 0+ | 0o | 0+ | 0o | 0+ | 4+ | 2 | 0.0 |
| 24 | 1+ | 1− | 2− | 0+ | 0o | 0o | 0o | 0o | 4o | 2 | 0.0 |
| 25 | 1− | 1− | 1+ | 1o | 0+ | 2− | 2− | 3o | 10+ | 6 | 0.2 |
| 26 | 4+ | 2+ | 3+ | 3+ | 3o | 4− | 4o | 4o | 28o | 21 | 1.1 |
| 27 | 3+ | 2+ | 1o | 1o | 1o | 2o | 2− | 0+ | 13− | 7 | 0.3 |
| 28 | 1+ | 1o | 1+ | 0+ | 1o | 1o | 1+ | 2− | 9o | 4 | 0.2 |
| 29 | 2o | 0+ | 2− | 0+ | 0+ | 0o | 0+ | 0o | 5o | 3 | 0.0 |
| 30 | 1− | 0+ | 2− | 0o | 0o | 0+ | 0o | 0+ | 3+ | 2 | 0.0 |
| 31 | 1− | 0+ | 1+ | 0+ | 0o | 0+ | 1− | 1o | 5− | 3 | 0.0 |
| | | | | | | | | | Mean | 5 | 0.22 |

Preliminary sudden commencements: 19 d 17 h 32 m
25 d 16 h 59 m

Editor: GFZ Deutsches GeoForschungsZentrum
Adolf-Schmidt-Observatorium für Geomagnetismus
Lindenstr. 7
D-14823 Niemegk
F.R. Germany