# IUGG: Association of Geomagnetism and Aeronomy

(International Service of Geomagnetic Indices)

## October 2019

### International quiet and disturbed days

| | | | | | | |
|---|---|---|---|---|---|---|
| Quietest days | 1 – 5 : | 13 | 23 | 22 | 3 | 19 |
| | 6 – 10 : | 15 | 8 | 6 | 20 | 17 |
| Most disturbed days | 1 – 5 : | 25 | 26 | 24* | 27* | 10* |

### Geomagnetic Planetary Indices

| | Kp three-hourly | | | | | | | | daily | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Sum | Ap | Cp |
| 1 | 3+ | 4o | 3o | 2+ | 1o | 1− | 1− | 1+ | 16+ | 10 | 0.6 |
| 2 | 3o | 0o | 0o | 2o | 3− | 1o | 1o | 2+ | 12o | 6 | 0.3 |
| 3 | 2− | 1+ | 1o | 1o | 0+ | 1− | 1+ | 1o | 8+ | 4 | 0.1 |
| 4 | 1o | 2− | 3− | 2− | 2o | 2o | 2− | 1− | 13+ | 6 | 0.3 |
| 5 | 1+ | 1+ | 1o | 2o | 2− | 2− | 2− | 3o | 14− | 7 | 0.3 |
| 6 | 1o | 2o | 2− | 1+ | 1− | 1+ | 0o | 0+ | 8+ | 4 | 0.1 |
| 7 | 0+ | 1− | 1o | 1− | 1+ | 3− | 2+ | 2o | 11o | 6 | 0.3 |
| 8 | 1+ | 1+ | 1+ | 1− | 1− | 1o | 2− | 1o | 9o | 4 | 0.2 |
| 9 | 2− | 2+ | 2− | 4− | 1+ | 2− | 1o | 1+ | 15− | 8 | 0.4 |
| 10 | 1+ | 4+ | 4+ | 2o | 1+ | 3o | 1+ | 2− | 19+ | 13 | 0.8 |
| 11 | 1− | 1o | 2o | 2o | 1+ | 3o | 2+ | 1+ | 14− | 7 | 0.3 |
| 12 | 2o | 2o | 1− | 1+ | 1o | 1− | 1o | 1− | 9+ | 4 | 0.2 |
| 13 | 1− | 0o | 0o | 0o | 0o | 0o | 0o | 0o | 1− | 0 | 0.0 |
| 14 | 1− | 2− | 1o | 1o | 1o | 2o | 2o | 1− | 10o | 5 | 0.2 |
| 15 | 2+ | 1− | 0o | 0+ | 0o | 0+ | 2− | 1+ | 7− | 3 | 0.1 |
| 16 | 2− | 1+ | 2o | 1+ | 1o | 0+ | 2− | 2− | 11o | 5 | 0.2 |
| 17 | 2− | 1+ | 2− | 1+ | 1o | 1o | 1o | 1o | 10o | 5 | 0.2 |
| 18 | 1o | 2o | 2− | 1+ | 1+ | 1− | 1o | 2− | 11− | 5 | 0.2 |
| 19 | 1o | 1− | 1− | 1o | 1o | 2− | 2− | 1o | 9− | 4 | 0.1 |
| 20 | 1− | 1+ | 1o | 1− | 1− | 1− | 1+ | 2+ | 9− | 4 | 0.2 |
| 21 | 3− | 0+ | 1− | 2− | 1− | 0o | 1o | 1+ | 8+ | 4 | 0.2 |
| 22 | 0o | 0+ | 1− | 1− | 0+ | 1+ | 1+ | 0o | 5− | 2 | 0.0 |
| 23 | 0+ | 0o | 0o | 0o | 0+ | 1− | 1− | 0o | 2o | 1 | 0.0 |
| 24 | 0o | 1+ | 1+ | 4o | 3o | 4+ | 4o | 4+ | 22+ | 18 | 1.0 |
| 25 | 5− | 4o | 5+ | 4o | 3+ | 3+ | 2+ | 2+ | 29+ | 25 | 1.2 |
| 26 | 3+ | 3o | 3o | 5− | 4o | 4+ | 4− | 4− | 30− | 24 | 1.1 |
| 27 | 4o | 3o | 3o | 2− | 1+ | 3o | 4o | 3− | 23− | 15 | 0.9 |
| 28 | 2+ | 3− | 3+ | 2o | 2− | 2o | 3− | 2+ | 19o | 10 | 0.6 |
| 29 | 3− | 3o | 1− | 0o | 1− | 3− | 2+ | 1+ | 13+ | 7 | 0.4 |
| 30 | 1o | 1+ | 1o | 1o | 2+ | 2+ | 2+ | 2+ | 14− | 7 | 0.3 |
| 31 | 4− | 0+ | 0+ | 1+ | 0o | 0+ | 3− | 2− | 10+ | 6 | 0.3 |
| | | | | | | | | | Mean | 8 | 0.36 |

Preliminary sudden commencements: none

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http://www.gfz-potsdam.de/en/kp-index/