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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 04 10:07UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 03.11.2024 at 23:00 UTC was 241 sfu.
The background X-Ray flux is at the class C4.6 level.
Four M-class flares were produced on November 03.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 01-03.
An equatorial coronal hole (CH1252) was Earth facing on October 31 - November 01.

**II. Solar Energetic Particle Events**
Protons and electrons fluxes are quiet.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 473 Km/s on November 03 at 22:30 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 400 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -6 nT on November 03 at 20:15 UT during the last 24 hours.
The geomagnetic field was at quiet to active levels during the last 24 hours.
The Kp index now is at unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on November 04, at quiet to unsettled levels on November 05 and at quiet levels on November 06.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 04.11.2024 | 12 | Quiet to Active |
| 05.11.2024 | 08 | Quiet to Unsettled |
| 06.11.2024 | 05 | Quiet |

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