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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 December 03 08:37UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 02.12.2024 at 23:00 UTC was 185 sfu.
The background X-Ray flux is at the class C1.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 30-December 02.

**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 495 Km/s on December 02 at 10:40 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 450 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -13 nT on December 02 at 22:30 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 unsettled levels on December 03 and at quiet levels on December 04-05.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 03.12.2024 | 08 | Quiet to Unsettled |
| 04.12.2024 | 05 | Quiet |
| 05.12.2024 | 05 | Quiet |

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