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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 13 07:06UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.11.2024 at 23:00 UTC was 172 sfu.
The background X-Ray flux is at the class C1.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 11-12.
A coronal hole (CH1254) at northern hemisphere will be Earth facing on November 09-14.

**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 401 Km/s on November 12 at 08:10 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 -5 nT on November 12 at 23:35 UT during the last 24 hours.
The geomagnetic field was at quiet to unsettled levels during the last 24 hours.
The Kp index now is at quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on November 13-15 due to the effects of the coronal hole high speed streams.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.11.2024 | 15 | Quiet to Active |
| 14.11.2024 | 12 | Quiet to Active |
| 15.11.2024 | 10 | Quiet to Active |

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