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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 15 11:58UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 14.11.2024 at 23:00 UTC was 147 sfu.
The background X-Ray flux is at the class C1.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 12-14.
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 422 Km/s on November 15 at 00:20 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 -12 nT on November 14 at 19:00 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 15 due to the effects of the coronal hole high speed streams and at quiet to unsettled levels on November 16-17.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.11.2024 | 12 | Quiet to Active |
| 16.11.2024 | 08 | Quiet to Unsettled |
| 17.11.2024 | 08 | Quiet to Unsettled |

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