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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 16 09:38UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 15.11.2024 at 23:00 UTC was 149 sfu.
The background X-Ray flux is at the class C1.5 level.
Two M1-class flares were produced on November 15.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 13-14.
A coronal hole (CH1255) at northern hemisphere was Earth facing on November 14-15.
A coronal hole (CH1256) at southern hemisphere will rotate across the central meridian on November 18-21.

**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 455 Km/s on November 15 at 21:40 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 -7 nT on November 15 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.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 16.11.2024 | 10 | Quiet to Unsettled |
| 17.11.2024 | 08 | Quiet to Unsettled |
| 18.11.2024 | 10 | Quiet to Unsettled |

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