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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 25 07:37UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 24.11.2024 at 23:00 UTC was 203 sfu.
The background X-Ray flux is at the class C2.2 level.
One M1-class solar flare was produced on November 24 at 20:22 UT.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 22-24.
A coronal hole (CH1257) at southern hemisphere was Earth facing on November 19-20.

**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 460 Km/s on November 24 at 22:10 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 24 at 21:20 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on November 25-26 and at quiet levels on November 27.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 25.11.2024 | 07 | Quiet to Unsettled |
| 26.11.2024 | 05 | Quiet to Unsettled |
| 27.11.2024 | 05 | Quiet |

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