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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 April 11 12:55UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.04.2025 at 23:00 UTC was 153 sfu.
The background X-Ray flux is at the class C4.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 08-10.
A coronal hole (CH1284) at southern hemisphere was Earth facing on April 07-09.

**II. Solar Energetic Particle Events**
Protons fluxes are quiet.
The greater than 2 MeV electron flux at geosynchronous orbit reached minor storm level.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 517 Km/s on April 10 at 13:35 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 April 10 at 19:45 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 active levels on April 11-13 due to effects from CH(1284).

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.04.2025 | 15 | Quiet to Active |
| 12.04.2025 | 12 | Quiet to Active |
| 13.04.2025 | 10 | Quiet to Active |

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