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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 April 10 06:19UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.04.2025 at 23:00 UTC was 167 sfu.
The background X-Ray flux is at the class C1.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 07-09.
A small equatorial coronal hole (CH1283) rotated across the central meridian on April 05-06.
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 603 Km/s on April 09 at 21:30 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 -8 nT on April 09 at 06:25 UT during the last 24 hours.
The geomagnetic field was at unsettled to minor storm (G1) 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 April 10-12 due to effects from CH(1284).

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.04.2025 | 12 | Quiet to Active |
| 11.04.2025 | 18 | Quiet to Active |
| 12.04.2025 | 15 | Quiet to Active |

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