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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 03 06:34UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 02.05.2025 at 23:00 UTC was 152 sfu.
The background X-Ray flux is at the class B8.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 30-May 02.
An equatorial coronal hole (CH1289) rotated across the central meridian on April 28-29.
An equatorial coronal hole (CH1290) rotated into an Earth facing position on May 01.

**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 712 Km/s on May 03 at 06:10 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 -10 nT on May 02 at 20:35 UT during the last 24 hours.
The geomagnetic field was at active to minor storm (G1) levels during the last 24 hours.
The Kp index now is at active levels with Kp=4.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on May 03-05 due to effects associated with CH1289 and CH1290.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 03.05.2025 | 25 | Quiet to Active |
| 04.05.2025 | 18 | Quiet to Active |
| 05.05.2025 | 12 | Quiet to Active |

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