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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 06 03:54UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 05.05.2025 at 23:00 UTC was 159 sfu.
The background X-Ray flux is at the class B7.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on May 02-04.
An equatorial coronal hole (CH1290) rotated into an Earth facing position on May 01.
A coronal hole (CH1291) at southern hemisphere will be rotating across the central meridian May 04-06.

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

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 805 Km/s on May 05 at 14:55 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 -5 nT on May 05 at 07:35 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 minor storm (G1) levels on May 06, at quiet to active levels on May 07 due to the continuous effect of a recurrent coronal hole high speed stream and at quiet to unsettled levels on May 08.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 06.05.2025 | 20 | Quiet to Minor storm (G1) |
| 07.05.2025 | 15 | Quiet to Active |
| 08.05.2025 | 12 | Quiet to Unsettled |

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