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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 05 04:05UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 04.05.2025 at 23:00 UTC was 159 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on May 01-03.
An equatorial coronal hole (CH1290) rotated into an Earth facing position on May 01.

**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 761 Km/s on May 05 at 00:20 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 May 04 at 14:35 UT during the last 24 hours.
The geomagnetic field was at quiet 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 May 05 and at quiet to unsettled on May 06-07.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 05.05.2025 | 18 | Quiet to Active |
| 06.05.2025 | 15 | Quiet to Unsettled |
| 07.05.2025 | 12 | Quiet to Unsettled |

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