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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 04 05:55UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 03.05.2025 at 23:00 UTC was 152 sfu.
The background X-Ray flux is at the class B7.9 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 fluxes are quiet.
The greater than 2 MeV electron flux at geosynchronous orbit reached minor storm levels on May 03.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 833 Km/s on May 03 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 May 03 at 09:45 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 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 04 and at quiet to unsettled on May 05-06.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 04.05.2025 | 15 | Quiet to Active |
| 05.05.2025 | 12 | Quiet to Unsettled |
| 06.05.2025 | 12 | Quiet to Unsettled |

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