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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 08 03:53UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 07.05.2025 at 23:00 UTC was 154 sfu.
The background X-Ray flux is at the class C3.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on May 05-07.
A coronal hole (CH1291) at southern hemisphere will be rotating across the central meridian May 04-08.

**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 585 Km/s on May 07 at 08:00 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 -4 nT on May 08 at 02:05 UT during the last 24 hours.
The geomagnetic field was at quiet to unsettled levels during the last 24 hours.
The Kp index now is at quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on May 08-10 due to the effect of a recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 08.05.2025 | 10 | Quiet to Active |
| 09.05.2025 | 18 | Quiet to Active |
| 10.05.2025 | 15 | Quiet to Active |

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