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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 09 09:03UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.05.2025 at 23:00 UTC was 149 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 06-08.
A coronal hole (CH1291) at southern hemisphere rotated across the central meridian May 04-08.
A coronal hole (CH1292) at northern hemisphere was Earth facing on May 07-08.

**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 486 Km/s on May 08 at 23:05 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 -7 nT on May 08 at 20:25 UT during the last 24 hours.
The geomagnetic field was at quiet to active 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 09-11.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.05.2025 | 20 | Quiet to Active |
| 10.05.2025 | 15 | Quiet to Active |
| 11.05.2025 | 12 | Quiet to Active |

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