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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 10 06:13UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.05.2025 at 23:00 UTC was 136 sfu.
The background X-Ray flux is at the class B7.0 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 493 Km/s on May 10 at 03:10 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 -9 nT on May 09 at 20:55 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 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 10 and at quiet to unsettled levels on May 11-12.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.05.2025 | 15 | Quiet to Active |
| 11.05.2025 | 12 | Quiet to Unsettled |
| 12.05.2025 | 08 | Quiet to Unsettled |

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