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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 05 05:36UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 04.07.2025 at 23:00 UTC was 119 sfu.
The background X-Ray flux is at the class B5.7 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 01-03.
A coronal hole (CH1304) at southern hemisphere rotated into an Earth facing position on June 29 - July 04.

**II. Solar Energetic Particle Events**
Protons and electrons fluxes are quiet.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 440 Km/s on July 05 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 July 04 at 21:15 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on July 05-07.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 05.07.2025 | 10 | Quiet to Unsettled |
| 06.07.2025 | 08 | Quiet to Unsettled |
| 07.07.2025 | 08 | Quiet to Unsettled |

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