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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 04 18:35UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 03.07.2025 at 23:00 UTC was 125 sfu.
The background X-Ray flux is at the class B5.5 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 30-July 02.
A coronal hole (CH1304) at southern hemisphere will rotate 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 383 Km/s on July 04 at 15:50 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 03 at 22:05 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on July 04-06.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 04.07.2025 | 10 | Quiet to Unsettled |
| 05.07.2025 | 08 | Quiet to Unsettled |
| 06.07.2025 | 08 | Quiet to Unsettled |

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