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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 12 06:25UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 11.07.2025 at 23:00 UTC was 132 sfu.
The background X-Ray flux is at the class C2.8 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 00-11.
An equatorial coronal hole (CH1306) will be Earth facing on July 08-14.

**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 497 Km/s on July 11 at 21:40 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 -10 nT on July 11 at 09:25 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels with isolated active periods on July 12-14 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.07.2025 | 12 | Quiet to Unsettled |
| 13.07.2025 | 15 | Quiet to Unsettled |
| 14.07.2025 | 10 | Quiet to Unsettled |

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