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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 12 04:09UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 11.06.2025 at 23:00 UTC was 141 sfu.
The background X-Ray flux is at the class C1.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 10-11.
A coronal hole (CH1300) at northern hemisphere rotated across the central meridian on June 08.
A coronal hole (CH1301) at southern hemisphere will be Earth facing on June 11-16.
---CME arrival forecast
A CME was observed on June 08 at 02:48 UT. This CME is expected to reach Earth between on June 11 at 09:17 UT and on June 12 at 05:31 UT according to EAM predictions.

**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 489 Km/s on June 11 at 22:20 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 June 11 at 16:10 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) levels during the last 24 hours.
The Kp index now is at minor storm (G1) levels with Kp=5.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels with a chance of minor storm (G1) levels on June 12-14.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.06.2025 | 12 | Quiet to Active |
| 13.06.2025 | 15 | Quiet to Active |
| 14.06.2025 | 25 | Quiet to Active |

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