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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 13 04:53UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.06.2025 at 23:00 UTC was 142 sfu.
The background X-Ray flux is at the class B9.9 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 10-12.
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 11-18.
---CME arrival forecast
A CME was observed on June 08 at 02:48 UT. This CME was 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 494 Km/s on June 12 at 19:50 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 -12 nT on June 12 at 19:00 UT during the last 24 hours.
The geomagnetic field was at unsettled to moderate storm (G2) levels during the last 24 hours.
The Kp index now is at moderate storm (G2) levels with Kp=6.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on June 13-15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.06.2025 | 20 | Quiet to Minor Storm (G1) |
| 14.06.2025 | 25 | Quiet to Minor Storm (G1) |
| 15.06.2025 | 15 | Quiet to Minor Storm (G1) |

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