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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 24 05:00UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 23.06.2025 at 23:00 UTC was 122 sfu.
The background X-Ray flux is at the class B6.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 21-23.
An equatorial coronal hole (CH1303) was Earth facing on June 20-21.
A large equatorial coronal hole (CH1302) will rotate across the central meridian on June 22-25.

**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 465 Km/s on June 23 at 14:55 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 -3 nT on June 23 at 15:25 UT during the last 24 hours.
The geomagnetic field was at quiet to unsettled 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 active levels on June 24 and at unsettled to moderate storm (G2) levels on June 25-26 due to recurrent coronal high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.06.2025 | 15 | Quiet to Active |
| 25.06.2025 | 40 | Unsettled to Moderate storm (G2) |
| 26.06.2025 | 25 | Unsettled to Moderate storm (G2) |

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