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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 23 05:19UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 22.06.2025 at 23:00 UTC was 125 sfu.
The background X-Ray flux is at the class C1.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 19-21.
A large equatorial coronal hole (CH1302) will rotate across the central meridian on June 22-24.
An equatorial coronal hole (CH1303) was Earth facing on June 20-21.

**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 546 Km/s on June 22 at 07:05 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 -5 nT on June 23 at 00:10 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 active levels on June 23-24 and at quiet to minor storm (G1) levels on June 25 due to effects from (CH1302) coronal high speed streams.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 23.06.2025 | 12 | Quiet to Active |
| 24.06.2025 | 15 | Quiet to Active |
| 25.06.2025 | 30 | Quiet to Minor storm (G1) |

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