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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 23 05:53UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 22.07.2025 at 23:00 UTC was 145 sfu.
The background X-Ray flux is at the class C1.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 19-21.
An equatorial coronal hole (CH1307) rotated across the central meridian on July 19-21.

**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 587 Km/s on July 23 at 04:25 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 -13 nT on July 22 at 19:30 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 active levels with Kp=4.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on July 23-24 due to the effect of the recurrent coronal hole high speed stream and at quiet to unsettled levels on July 25.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 23.07.2025 | 20 | Quiet to Minor Storm (G1) |
| 24.07.2025 | 15 | Quiet to Minor Storm (G1) |
| 25.07.2025 | 08 | Quiet to Unsettled |

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