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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 25 05:39UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 24.07.2025 at 23:00 UTC was 156 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 21-22.
An equatorial coronal hole (CH1307) rotated across the central meridian on July 19-21.
---CME arrival forecast
A CME was observed on July 23 at 04:53 UT. This CME is expected to reach Earth on July 26 between at 08:30 UT and at 21:51 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 708 Km/s on July 24 at 07:50 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 -5 nT on July 24 at 09:15 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on July 25 and at quiet to active levels on July 26-27 due to CME effects.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 25.07.2025 | 10 | Quiet to Unsettled |
| 26.07.2025 | 12 | Quiet to Active |
| 27.07.2025 | 12 | Quiet to Active |

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