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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 25 12:40UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 24.08.2025 at 23:00 UTC was 152 sfu.
The background X-Ray flux is at the class C1.9 level.
A M1.3-class solar flare produced on August 24 at 08:30 UT.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 22-24.
A coronal hole (CH1313) at northern hemisphere was Earth facing on August 22-24.

**II. Solar Energetic Particle Events**
rotons and electrons fluxes are quiet.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 427 Km/s on August 25 at 10:55 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 -7 nT on August 25 at 12:20 UT during the last 24 hours.
The geomagnetic field was at quiet 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 August 25-26 and at quiet to unsettled levels on August 27.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 25.08.2025 | 12 | Quiet to Active |
| 26.08.2025 | 12 | Quiet to Active |
| 27.08.2025 | 08 | Quiet to Unsettled |

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