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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 28 05:48UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 27.08.2025 at 23:00 UTC was 226 sfu.
The background X-Ray flux is at the class C3.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 25-27.
A coronal hole (CH1313) at northern hemisphere was Earth facing on August 22-24.
A coronal hole (CH1314) at southern hemisphere will rotate across the central meridian on August 28.

**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 414 Km/s on August 28 at 01:45 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 27 at 11:00 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=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on August 28-30.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 28.08.2025 | 10 | Quiet to Unsettled |
| 29.08.2025 | 08 | Quiet to Unsettled |
| 30.08.2025 | 06 | Quiet to Unsettled |

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