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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 14 12:15UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.08.2025 at 23:00 UTC was 140 sfu.
The background X-Ray flux is at the class B7.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 11-13.
An extensive coronal hole (CH1310) at southern hemisphere rotated across the central meridian on August 05-12.
A coronal hole (CH1311) at northern hemisphere rotated across the central meridian on August 07-09.
A recurrent negative polarity trans equatorial coronal hole (CH1312) will rotate across the central meridian on August 15-16.

**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 545 Km/s on August 13 at 15:30 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 August 14 at 06:05 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 unsettled levels on August 14-16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.08.2025 | 08 | Quiet to Unsettled |
| 15.08.2025 | 08 | Quiet to Unsettled |
| 16.08.2025 | 08 | Quiet to Unsettled |

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