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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 11 06:11UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.08.2025 at 23:00 UTC was 153 sfu.
The background X-Ray flux is at the class C5.1 level.
Three M-class solar flares were produced on August 10 and the biggest was the M2.3.
AR4168 erupted on August 10 at 15:07 UT peak time producing a M2.3-class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 07-09.
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.

**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 589 Km/s on August 10 at 09:35 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 10 at 10:05 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on August 11-13 due to the continuous effects of the recurrent coronal hole (CH1310) high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.08.2025 | 18 | Quiet to Active |
| 12.08.2025 | 15 | Quiet to Active |
| 13.08.2025 | 12 | Quiet to Active |

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