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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 24 05:46UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 23.08.2025 at 23:00 UTC was 143 sfu.
The background X-Ray flux is at the class C1.9 level.
A M1.9-class solar flare produced on August 23 at 20:06 UT.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 20-22.
A coronal hole (CH1313) at northern hemisphere will be Earth facing on August 22-24.

**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 497 Km/s on August 23 at 06:00 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 -3 nT on August 24 at 01:45 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=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on August 24 and at quiet to active levels on August 25-26.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.08.2025 | 05 | Quiet |
| 25.08.2025 | 12 | Quiet to Active |
| 26.08.2025 | 12 | Quiet to Active |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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