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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 18 06:32UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 17.08.2025 at 23:00 UTC was 117 sfu.
The background X-Ray flux is at the class B6.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 15-16.
An equatorial coronal hole (CH1312) rotated across the central meridian on August 15-18.

**II. Solar Energetic Particle Events**
Protons fluxes are quiet.
The greater than 2 MeV electron flux at geosynchronous orbit maintained at minor storm levels.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 390 Km/s on August 17 at 06:45 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 -5 nT on August 17 at 11:40 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 minor storm (G1) levels on August 18-20 due to effects of a coronal hole high speed wind stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 18.08.2025 | 15 | Quiet to Minor storm (G1) |
| 19.08.2025 | 30 | Quiet to Minor storm (G1) |
| 20.08.2025 | 18 | Quiet to Minor storm (G1) |

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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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