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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 August 16 06:48UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 15.08.2025 at 23:00 UTC was 123 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 12-14.
An equatorial coronal hole (CH1312) will rotate across the central meridian on August 15-17.

**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 468 Km/s on August 15 at 08:20 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 15 at 22:10 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 levels on August 16-17 and at quiet to active levels on August 18 due to effects of a coronal hole high speed wind stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 16.08.2025 | 05 | Quiet |
| 17.08.2025 | 05 | Quiet |
| 18.08.2025 | 18 | Quiet to Active |

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