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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 16 06:41UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 15.07.2025 at 23:00 UTC was 128 sfu.
The background X-Ray flux is at the class C1.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 12-14.
An equatorial coronal hole (CH1306) will be Earth facing on July 08-15.

**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 724 Km/s on July 15 at 07:15 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 July 15 at 08:20 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) 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 with isolated active periods on July 16 due to the effect of the recurrent coronal hole high speed stream and at quiet to unsettled levels on July 17-18.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 16.07.2025 | 12 | Quiet to Active |
| 17.07.2025 | 08 | Quiet to Unsettled |
| 18.07.2025 | 08 | Quiet to Unsettled |

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