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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 09 05:05UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.07.2025 at 23:00 UTC was 115 sfu.
The background X-Ray flux is at the class C4.9 level.
One M2.5-class solar flare was erupted on July 08 at 04:17 UT peak time producing a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 05-07.
A small equatorial coronal hole (CH1305) rotated across the central meridian on July 05.
An equatorial coronal hole (CH1306) will be Earth facing on July 08-12.

**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 571 Km/s on July 08 at 18:40 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 -6 nT on July 08 at 08:00 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on July 09-10 and at quiet to active levels on July 11.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.07.2025 | 08 | Quiet to Unsettled |
| 10.07.2025 | 08 | Quiet to Unsettled |
| 11.07.2025 | 12 | Quiet to Active |

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