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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 10 06:52UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.07.2025 at 23:00 UTC was 120 sfu.
The background X-Ray flux is at the class C1.2 level.
AR4136 erupted on July 09 at 04:25 UT peak time producing a M1.3-class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 07-09.
An equatorial coronal hole (CH1306) will be Earth facing on July 08-14.

**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 470 Km/s on July 09 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 -4 nT on July 09 at 14:10 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on July 10 and at quiet to active levels on July 11-12 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.07.2025 | 05 | Quiet |
| 11.07.2025 | 12 | Quiet to Active |
| 12.07.2025 | 12 | Quiet to Active |

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