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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 09 07:19UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.06.2025 at 23:00 UTC was 115 sfu.
The background X-Ray flux is at the class B4.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 05-07.
A coronal hole (CH1299) at southern hemisphere was Earth facing on June 02-05.
A coronal hole (CH1300) at northern hemisphere will rotated across the central meridian on June 08.
---CME arrival forecast
A CME was observed on June 08 at 02:48 UT. This CME is expected to reach Earth between on June 11 at 09:17 UT and on June 12 at 05:31 UT according to EAM predictions.

**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 503 Km/s on June 09 at 04:55 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 -8 nT on June 09 at 00:30 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 active levels with Kp=4.

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

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.06.2025 | 18 | Quiet to Active |
| 10.06.2025 | 12 | Quiet to Active |
| 11.06.2025 | 10 | Quiet to Active |

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