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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 02 06:02UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 01.07.2025 at 23:00 UTC was 126 sfu.
The background X-Ray flux is at the class B7.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 29-30.
A coronal hole (CH1304) at southern hemisphere will rotate into an Earth facing position on June 29 - July 04.
---CME arrival forecast
A CME was observed on June 28 at 21:00 UT. This CME is expected to reach Earth between on July 01 at 21:18 UT and on July 02 at 02:06 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 536 Km/s on July 01 at 06:35 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 July 02 at 05:40 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 to minor storm (G1) levels on July 02-03 due to the effects of the CME on June 28 and the recurrent coronal hole high speed stream and at quiet to active levels on July 04.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 02.07.2025 | 30 | Quiet to Minor storm (G1) |
| 03.07.2025 | 18 | Quiet to Minor storm (G1) |
| 04.07.2025 | 12 | Quiet to Active |

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