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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 April 05 06:01UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 04.04.2025 at 23:00 UTC was 180 sfu.
The background X-Ray flux is at the class C2.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 01-03.
An equatorial coronal hole (CH1281) rotated across the central meridian on April 01-02.
A small coronal hole (CH1282) at northern hemisphere was Earth facing on April 04.

**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 714 Km/s on April 05 at 05:05 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 -11 nT on April 05 at 00:50 UT during the last 24 hours.
The geomagnetic field was at active to moderate storm (G2) levels during the last 24 hours.
The Kp index now is at moderate storm (G2) levels with Kp=6.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on April 05 due to the continuous effects of a recurrent coronal hole high speed stream and at quiet to unsettled levels on April 06-07.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 05.04.2025 | 25 | Quiet to Minor Storm (G1) |
| 06.04.2025 | 12 | Quiet to Unsettled |
| 07.04.2025 | 08 | Quiet to Unsettled |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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