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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 April 03 03:59UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 02.04.2025 at 23:00 UTC was 180 sfu.
The background X-Ray flux is at the class C1.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 31-April 02.
An equatorial coronal hole (CH1281) rotated across the central meridian on April 01-02.

**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 478 Km/s on April 02 at 23:25 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 April 02 at 19:20 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 unsettled levels on April 03 and at quiet to active levels on April 04-05.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 03.04.2025 | 12 | Quiet to Unsettled |
| 04.04.2025 | 18 | Quiet to Active |
| 05.04.2025 | 15 | Quiet to Active |

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