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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 April 08 04:07UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 07.04.2025 at 23:00 UTC was 162 sfu.
The background X-Ray flux is at the class C1.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 04-06.
A small coronal hole (CH1282) at northern hemisphere was Earth facing on April 04.
A small equatorial coronal hole (CH1283) rotated across the central meridian on April 05-06.
A coronal hole (CH1284) at southern hemisphere will become Earth facing on April 07-08.

**II. Solar Energetic Particle Events**
Protons fluxes are quiet.
The greater than 2 MeV electron flux at geosynchronous orbit reached minor storm level.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 571 Km/s on April 07 at 09:45 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 -7 nT on April 08 at 03:30 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels with isolated active periods on April 08-10.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 08.04.2025 | 12 | Quiet to Unsettled |
| 09.04.2025 | 10 | Quiet to Unsettled |
| 10.04.2025 | 10 | 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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