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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 11 05:29UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.05.2025 at 23:00 UTC was 134 sfu.
The background X-Ray flux is at the class B7.7 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on May 07-09.
A coronal hole (CH1291) at southern hemisphere rotated across the central meridian May 04-08.
A coronal hole (CH1292) at northern hemisphere was Earth facing on May 07-08.

**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 540 Km/s on May 10 at 13:05 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 500 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -5 nT on May 11 at 02:15 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on May 11-13.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.05.2025 | 10 | Quiet to Unsettled |
| 12.05.2025 | 10 | Quiet to Unsettled |
| 13.05.2025 | 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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