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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 February 11 15:29UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.02.2025 at 23:00 UTC was 159 sfu.
The background X-Ray flux is at the class C2.8 level.
AR3981 erupted on February 10 at 00:46 UT peak time producing a M1.0-class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 08-10.
An equatorial coronal hole (CH1269) rotated across the central meridian on February 06-08.
A coronal hole (CH1270) at southern hemisphere will rotate into an Earth facing position on February 09-12.

**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 595 Km/s on February 11 at 01:50 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 -6 nT on February 10 at 20:30 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on February 11 and 13 due to the effect of recurrent coronal holes high speed streams and at quiet to unsettled levels on February 12.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.02.2025 | 12 | Quiet to Active |
| 12.02.2025 | 08 | Quiet to Unsettled |
| 13.02.2025 | 15 | Quiet to Active |

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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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