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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 February 10 07:47UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.02.2025 at 23:00 UTC was 163 sfu.
The background X-Ray flux is at the class C1.9 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 07-09.
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 628 Km/s on February 10 at 00:40 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 -16 nT on February 09 at 13:05 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) 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 minor storm (G1) levels on February 10 and at quiet to active levels on February 11-12 due to the continuous effect of recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.02.2025 | 20 | Quiet to Minor storm (G1) |
| 11.02.2025 | 12 | Quiet to Active |
| 12.02.2025 | 10 | Quiet to Active |

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