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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 02 10:28UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 01.03.2025 at 23:00 UTC was 145 sfu.
The background X-Ray flux is at the class B9.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 27-March 01.
An equatorial coronal hole (CH1271) was Earth facing on February 25-26.
A coronal hole (CH1272) at southern hemisphere rotated across the central meridian on February 22-26.

**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 709 Km/s on March 01 at 14:35 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 -2 nT on March 01 at 12:15 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 active levels on March 02 due to the continue effect from coronal hole, at quiet to unsettled levels on March 03 and at quiet levels on March 04.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 02.03.2025 | 12 | Quiet to Active |
| 03.03.2025 | 08 | Quiet to Unsettled |
| 04.03.2025 | 05 | Quiet |

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