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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 01 07:38UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 28.02.2025 at 23:00 UTC was 155 sfu.
The background X-Ray flux is at the class C1.8 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 26-27.
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 787 Km/s on February 28 at 18:25 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 -8 nT on February 28 at 11:20 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 active levels with Kp=4.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on March 01 due to effects from coronal holes and at quiet to unsettled levels on March 02-March 03.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 01.03.2025 | 18 | Quiet to Minor Storm (G1) |
| 02.03.2025 | 12 | Quiet to Unsettled |
| 03.03.2025 | 08 | Quiet to Unsettled |

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