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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 05 06:15UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 04.03.2025 at 23:00 UTC was 160 sfu.
The background X-Ray flux is at the class C1.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 02-03.
A CME was observed on March 01 at 18:24 UT. This CME is expecting to reach Earth between on March 04 at 18:18 UT and on March 05 at 00:30 UT according to EAM predictions.

**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 535 Km/s on March 04 at 07:35 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 March 04 at 19:50 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on March 05 due to the continuous effect of the CME observed on March 01 and at quiet to unsettled levels on March 06-07.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 05.03.2025 | 15 | Quiet to Minor Storm (G1) |
| 06.03.2025 | 08 | Quiet to Unsettled |
| 07.03.2025 | 05 | Quiet to Unsettled |

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