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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 04 04:51UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 03.03.2025 at 23:00 UTC was 145 sfu.
The background X-Ray flux is at the class C2.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 27-28.
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 514 Km/s on March 04 at 00:50 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 -3 nT on March 04 at 01:45 UT during the last 24 hours.
The geomagnetic field was at quiet 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 March 04-05 and at quiet to unsettled levels on March 06.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 04.03.2025 | 18 | Quiet to Minor Storm (G1) |
| 05.03.2025 | 20 | Quiet to Minor Storm (G1) |
| 06.03.2025 | 05 | Quiet to Unsettled |

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