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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 09 07:54UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.03.2025 at 23:00 UTC was 148 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 05-07.
An equatorial coronal hole (CH1274) will be Earth facing on March 05-07.
A coronal hole (CH1275) at southern hemisphere will rotate across the central meridian on March 08-09.

**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 607 Km/s on March 08 at 17:55 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 -14 nT on March 08 at 15:35 UT during the last 24 hours.
The geomagnetic field was at quiet to moderate storm (G2) levels during the last 24 hours.
The Kp index now is at moderate storm (G2) levels with Kp=6.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on March 09-10 due to the effect of the recurrent coronal hole high speed stream and at quiet to active levels on March 11.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.03.2025 | 25 | Quiet to Minor Storm (G1) |
| 10.03.2025 | 20 | Quiet to Minor Storm (G1) |
| 11.03.2025 | 12 | Quiet to Active |

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