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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 10 04:52UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.03.2025 at 23:00 UTC was 148 sfu.
The background X-Ray flux is at the class B9.7 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 06-08.
An equatorial coronal hole (CH1274) was Earth facing on March 05-07.
A coronal hole (CH1275) at southern hemisphere will rotate across the central meridian on March 09-10.

**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 691 Km/s on March 09 at 09:45 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 -11 nT on March 09 at 07:05 UT during the last 24 hours.
The geomagnetic field was at unsettled to moderate storm (G2) 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 10 and at quiet to active levels on March 11-12 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.03.2025 | 15 | Quiet to Minor Storm (G1) |
| 11.03.2025 | 10 | Quiet to Active |
| 12.03.2025 | 12 | Quiet to Active |

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