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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 13 05:03UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.03.2025 at 23:00 UTC was 160 sfu.
The background X-Ray flux is at the class C1.5 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 09-11.
A coronal hole (CH1275) at southern hemisphere rotated 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 563 Km/s on March 13 at 02:35 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 -11 nT on March 12 at 09:15 UT during the last 24 hours.
The geomagnetic field was at unsettled to minor storm (G1) levels during the last 24 hours.
The Kp index now is at minor storm (G1) levels with Kp=5.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at unsettled to minor storm (G1) levels on March 13 due to the effects of a recurrent coronal hole high speed stream, at quiet to active levels on March 14 and at quiet to unsettled levels on March 15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.03.2025 | 25 | Unsettled to Minor storm (G1) |
| 14.03.2025 | 18 | Quiet to Active |
| 15.03.2025 | 10 | Quiet to Unsettled |

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