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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 January 09 07:31UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.01.2025 at 23:00 UTC was 160 sfu.
The background X-Ray flux is at the class B9.8 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 06-08.

**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 473 Km/s on January 08 at 08:10 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 -5 nT on January 09 at 07:05 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on January 09-11.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.01.2025 | 05 | Quiet |
| 10.01.2025 | 05 | Quiet |
| 11.01.2025 | 05 | Quiet |

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