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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 January 10 06:16UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.01.2025 at 23:00 UTC was 162 sfu.
The background X-Ray flux is at the class C1.3 level.
AR3947 erupted on January 09 at 00:26 UT peak time producing a M1.1-Class solar flare and a radio blackout of category R1.
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 428 Km/s on January 10 at 05:30 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 -10 nT on January 09 at 14:30 UT during the last 24 hours.
The geomagnetic field was at quiet to active 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 unsettled levels on January 10-12.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.01.2025 | 08 | Quiet to Unsettled |
| 11.01.2025 | 06 | Quiet to Unsettled |
| 12.01.2025 | 06 | Quiet to Unsettled |

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