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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 January 11 08:05UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.01.2025 at 23:00 UTC was 157 sfu.
The background X-Ray flux is at the class B9.1 level.
AR3947 erupted on January 10 at 22:46 UT peak time producing a M1.0-Class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 08-10.
A coronal hole (CH1266) at northern hemisphere will rotate across the central meridian on January 10-11.

**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 483 Km/s on January 10 at 11:20 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 -8 nT on January 10 at 10:30 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 quiet levels with Kp=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on January 11 and at quiet levels on January 12-13.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.01.2025 | 08 | Quiet to Unsettled |
| 12.01.2025 | 05 | Quiet |
| 13.01.2025 | 05 | Quiet |

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