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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 January 13 07:41UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.01.2024 at 23:00 UTC was 186 sfu.
The background X-Ray flux is at the class C1.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 10-11.
A coronal hole (CH1197) at northern hemisphere will rotate across the central meridian on Janaurey 13.

**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 500 Km/s on January 13 at 01:00 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 -3 nT on January 12 at 12:45 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=0.
The Dst index reached the value -10 nT on January 12 at 17:00 UT during the last 24 hours.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on January 13 and at quiet levels on January 14-15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.01.2024 | 08 | Quiet to Unsettled |
| 14.01.2024 | 05 | Quiet |
| 15.01.2024 | 05 | Quiet |

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