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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 January 06 08:04UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 05.01.2024 at 23:00 UTC was 153 sfu.
The background X-Ray flux is at the class C2.7 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 02-04.
A coronal hole (CH1196) at southern hemisphere will be Earth facing on January 04-06.

**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 476 Km/s on January 06 at 01:35 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 -4 nT on January 05 at 14:10 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.
The Dst index reached the value -17 nT on January 05 at 08:00 UT during the last 24 hours.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on January 06 and at quiet to unsettled levels on January 07--08.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 06.01.2024 | 05 | Quiet |
| 07.01.2024 | 07 | Quiet to Unsettled |
| 08.01.2024 | 10 | Quiet to Unsettled |

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