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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 January 26 06:54UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 25.01.2024 at 23:00 UTC was 161 sfu.
The background X-Ray flux is at the class C1.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 19-21.
A coronal hole (CH1199) at southern hemisphere will become Earth facing on January 25-26. Another coronal hole (CH1200) at northern hemisphere will become Earth facing on January 25-26.

**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 442 Km/s on January 25 at 07:35 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 -5 nT on January 25 at 09:45 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on January 26 due to effects of multiple partial halo CMEs were observed on January 23 and at quiet to unsettled levels on January 27-28.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 26.01.2024 | 18 | Quiet to Active |
| 27.01.2024 | 15 | Quiet to Unsettled |
| 28.01.2024 | 12 | Quiet to Unsettled |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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