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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 January 12 06:56UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 11.01.2024 at 23:00 UTC was 186 sfu.  
The background X-Ray flux is at the class C3.0 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on January 07-08.  
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 495 Km/s on January 12 at 00:20 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 -4 nT on January 11 at 09:25 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 -16 nT on January 11 at 17:00 UT during the last 24 hours.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet levels on January 12 and 14 and at at quiet to unsettled levels on January 13.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.01.2024 | 05 | Quiet |
| 13.01.2024 | 08 | Quiet to Unsettled |
| 14.01.2024 | 05 | Quiet |

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