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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 January 15 05:02UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 14.01.2024 at 23:00 UTC was 185 sfu.  
The background X-Ray flux is at the class C1.2 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on January 11-13.  
A coronal hole (CH1197) at northern hemisphere rotated 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 494 Km/s on January 14 at 05:20 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 -7 nT on January 14 at 07:45 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.  
The Dst index reached the value -20 nT on January 14 at 18:00 UT during the last 24 hours.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet levels on January 15 and at quiet to unsettled levels on January 16-17 due to effects from CH1197.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.01.2024 | 05 | Quiet |
| 16.01.2024 | 08 | Quiet to Unsettled |
| 17.01.2024 | 08 | Quiet to Unsettled |

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