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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2023 December 24 17:33UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 23.12.2023 at 23:00 UTC was 187 sfu.  
The background X-Ray flux is at the class C2.5 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on December 21-23.  
A coronal hole (CH1194) at southern hemisphere was Earth facing on December 18-19.  
  
**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 429 Km/s on December 24 at 08:35 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 -6 nT on December 24 at 08:55 UT during the last 24 hours.  
The geomagnetic field was at quiet to unsettled levels during the last 24 hours.  
The Kp index now is at quiet levels with Kp=2.  
The Dst index reached the value -19 nT on December 23 at 23:00 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 December 24 and at quiet levels on December 25-26.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.12.2023 | 08 | Quiet to Unsettled |
| 25.12.2023 | 05 | Quiet |
| 26.12.2023 | 05 | Quiet |

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