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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 October 24 06:50UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 23.10.2024 at 23:00 UTC was 185 sfu.  
The background X-Ray flux is at the class M2.6 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on October 21-22.  
An equatorial coronal hole (CH1249) rotated across the central meridian on October 22.  
A coronal hole (CH1250) at southern hemisphere will become Earth facing on October 24-25.  
  
**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 October 23 at 17:55 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 -8 nT on October 23 at 11:00 UT during the last 24 hours.  
The geomagnetic field was at quiet to active levels during the last 24 hours.  
The Kp index now is at active levels with Kp=4.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet to unsettled levels on October 24 and 26 and at quiet to active levels on October 25.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.10.2024 | 10 | Quiet to Unsettled |
| 25.10.2024 | 15 | Quiet to Active |
| 26.10.2024 | 10 | Quiet to Unsettled |

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