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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 May 14 09:32UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 13.05.2025 at 23:00 UTC was 117 sfu.  
The background X-Ray flux is at the class C5.6 level.  
AR4086 erupted on May 13 producing a X1.2-class solar flare and a radio blackout of category R3.  
No obviously Earth directed CMEs were observed in available LASCO imagery on May 09-11.  
A coronal hole (CH1293) at southern hemisphere rotated across the central meridian on May 11-12.  
A coronal hole (CH1294) at southern hemisphere will likely become Earth facing on May 15-18.  
  
**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 418 Km/s on May 13 at 10:15 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 May 13 at 16:30 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.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet to unsettled levels on May 14-16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.05.2025 | 08 | Quiet to Unsettled |
| 15.05.2025 | 08 | Quiet to Unsettled |
| 16.05.2025 | 08 | Quiet to Unsettled |

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