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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 May 24 04:32UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 23.05.2025 at 23:00 UTC was 122 sfu. The background X-Ray flux is at the class B5.5 level. No obviously Earth directed CMEs were observed in available LASCO imagery on May 20-22. A coronal hole (CH1294) at southern hemisphere was Earth facing on May 15-23. A coronal hole (CH1295) at northern hemisphere was Earth facing on May 21-22. An equatorial coronal hole (CH1296) will become Earth facing on May 25-26.

**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 539 Km/s on May 23 at 08:20 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 May 23 at 13:05 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=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on May 24-26.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.05.2025 | 10 | Quiet to Unsettled |
| 25.05.2025 | 10 | Quiet to Unsettled |
| 26.05.2025 | 10 | Quiet to Unsettled |

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