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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 May 28 07:21UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 27.05.2024 at 23:00 UTC was 170 sfu.
The background X-Ray flux is at the class C2.8 level.
One X2.9 class solar flare observed on May 27, peaking at 07:08 UT. A radio blackout (R3) was observed.
No obviously Earth directed CMEs were observed in available LASCO imagery on May 23-25.
A small coronal hole (CH1223) at southern hemisphere rotated across the central meridian on May 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 399 Km/s on May 27 at 10:30 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 8 at 00:40 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 28-30.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 28.05.2024 | 06 | Quiet to Unsettled |
| 29.05.2024 | 10 | Quiet to Unsettled |
| 30.05.2024 | 08 | Quiet to Unsettled |

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