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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 27 05:02UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 26.02.2024 at 23:00 UTC was 172 sfu.
The background X-Ray flux is at the class C1.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 23-25.
A coronal hole (CH1202) at southern hemisphere was Earth facing position on February 21-24.

**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 445 Km/s on February 27 at 04:00 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 -7 nT on February 26 at 22:45 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 active levels on February 27 due to effects from CH1202 and at quiet levels on February 28-29.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 27.02.2024 | 10 | Quiet to Active |
| 28.02.2024 | 05 | Quiet |
| 29.02.2024 | 05 | Quiet |

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