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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 18 08:26UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 17.02.2024 at 23:00 UTC was 170 sfu.

The background X-Ray flux is at the class C1.7 level.

No obviously Earth directed CMEs were observed in available LASCO imagery on February 14-16.

**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 479 Km/s on February 17 at 13:20 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 -6 nT on February 17 at 23:55 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 levels on February 18 and at quiet to unsettled levels on February 19-20.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 18.02.2024 | 05 | Quiet |
| 19.02.2024 | 08 | Quiet to Unsettled |
| 20.02.2024 | 08 | Quiet to Unsettled |

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