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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 02 06:06UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 01.02.2024 at 23:00 UTC was 137 sfu.
The background X-Ray flux is at the class B9.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 26-28.
A coronal hole (CH1201) at southern hemisphere could become Earth facing on February 01-02.

**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 452 Km/s on February 01 at 08:40 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 500 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -6 nT on February 01 at 08:00 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on February 02-03 and at quiet to unsettled levels on February 04.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 02.02.2024 | 05 | Quiet |
| 03.02.2024 | 05 | Quiet |
| 04.02.2024 | 08 | Quiet to Unsettled |

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