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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 01 05:01UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 31.01.2024 at 23:00 UTC was 136 sfu.
The background X-Ray flux is at the class B8.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on January 26-28.

**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 490 Km/s on January 31 at 07:05 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 -3 nT on January 31 at 12:15 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 01-03.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 01.02.2024 | 05 | Quiet |
| 02.02.2024 | 05 | Quiet |
| 03.02.2024 | 05 | Quiet |

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