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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 August 30 06:32UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 29.08.2024 at 23:00 UTC was 204 sfu.
The background X-Ray flux is at the class C2.3 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 27-29.

**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 384 Km/s on August 30 at 04:15 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 -2 nT on August 29 at 23:15 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 to unsettled levels on August 30 and at quiet levels on August 31-September 01.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 30.08.2024 | 08 | Quiet to Unsettled |
| 31.08.2024 | 05 | Quiet |
| 01.09.2024 | 05 | Quiet |

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