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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 August 27 07:15UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 26.08.2024 at 23:00 UTC was 232 sfu.
The background X-Ray flux is at the class C2.6 level.
AR3796 erupted on August 26 at 11:41 UT peak time producing a M1.4 class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 24-26.
---CME arrival forecast
A faint partial halo CME was observed on August 23 at 02:00 UT. This CME was expected to reach Earth on August 26 between at 06:04 UT and at 20:57 UT according to EAM predictions.

**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 308 Km/s on August 26 at 08:00 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 -4 nT on August 26 at 14:00 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 to unsettled levels on August 27-28 and at quiet levels on August 29.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 27.08.2024 | 07 | Quiet to Unsettled |
| 28.08.2024 | 07 | Quiet to Unsettled |
| 29.08.2024 | 05 | Quiet |

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