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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 August 06 09:20UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 05.08.2024 at 23:00 UTC was 247 sfu.
The background X-Ray flux is at the class C3.4 level.
Five M-class and two X-class solar flares were produced on August 05 and the largest was the X1.7 flare.
AR3767 erupted on August 05 at 13:40 UT peak time producing a X1.7 class solar flare and a radio blackout of category R3.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 03-05.
---CME arrival forecast
A partial halo CME was observed on August 01 at 07:24 UT. This CME was expected to reach on Earth on August 03 between at 05:21 UT and at 21:41 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 543 Km/s on August 05 at 12:55 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 -3 nT on August 06 at 06:10 UT during the last 24 hours.
The geomagnetic field was at quiet tο 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 to unsettled levels on August 06-08.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 06.08.2024 | 08 | Quiet to Unsettled |
| 07.08.2024 | 06 | Quiet to Unsettled |
| 08.08.2024 | 06 | Quiet to Unsettled |

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