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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 August 14 07:51UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.08.2024 at 23:00 UTC was 260 sfu.
The background X-Ray flux is at the class M2.7 level.
Three M-class solar flares were produced on August 13.
No obviously Earth directed CMEs were observed in available LASCO imagery on August 11-13.
A coronal hole at northern hemipshere will be rotating across the central meridian on August 13-15.

**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 466 Km/s on August 14 at 00:50 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 -7 nT on August 13 at 17:55 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) levels during the last 24 hours.
The Kp index now is at unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on August 14-16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.08.2024 | 08 | Quiet to Unsettled |
| 15.08.2024 | 08 | Quiet to Unsettled |
| 16.08.2024 | 08 | Quiet to Unsettled |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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