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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 25 07:22UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 24.06.2024 at 23:00 UTC was 199 sfu.
The background X-Ray flux is at the class C3.6 level.
Five M-class solar flares were produced on June 24 and the biggest was the M1.9.
AR3712 erupted on June 24 at 04:52 UT peak time producing a M1.9 class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 22-24.

**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 338 Km/s on June 25 at 01:55 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 -5 nT on June 25 at 04:25 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 June 25-27.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 25.06.2024 | 05 | Quiet |
| 26.06.2024 | 05 | Quiet |
| 27.06.2024 | 05 | Quiet |

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