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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 28 07:23UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 27.06.2024 at 23:00 UTC was 183 sfu.
The background X-Ray flux is at the class C1.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 22-24.
A CME was observed on June 25 at 05:00 UT. This CME could reach Earth on June 29 between at 06:08 UT and at 13:06 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 356 Km/s on June 27 at 08:30 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 -11 nT on June 28 at 03:10 UT during the last 24 hours.
The geomagnetic field was at quiet to active levels during the last 24 hours.
The Kp index now is at active levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels with a chance of minor storm (G1) levels on June 28-29 due to the effects of CME observed on June 25 and at quiet levels on June 30.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 28.06.2024 | 15 | Quiet to Active |
| 29.06.2024 | 12 | Quiet to Active |
| 30.06.2024 | 05 | Quiet |

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