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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 29 07:30UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 28.06.2024 at 23:00 UTC was 181 sfu.
The background X-Ray flux is at the class C1.3 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 was expected to 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 487 Km/s on June 28 at 17:10 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 -22 nT on June 28 at 10:30 UT during the last 24 hours.
The geomagnetic field was at unsettled to severe (G4) storm 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 unsettled to minor storm (G1) levels on June 29 due to the continuous effects of CME observed on June 25 and at quiet to unsettled levels on June 30-July 01.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 29.06.2024 | 20 | Quiet to Minor storm (G1) |
| 30.06.2024 | 10 | Quiet to Unsettled |
| 01.07.2024 | 08 | Quiet to Unsettled |

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