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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 12 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 11.06.2024 at 23:00 UTC was 165 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 09-10.
---CME arrival forecast
A halo CME was observed on June 08 at 01:53 UT following the M9.7 class solar flare peaking at 01:49 UT. This CME was expected to reach Earth between on June 09 at 23:09 UT and on June 10 at 15:54 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 433 Km/s on June 11 at 07:45 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 450 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -3 nT on June 12 at 04:35 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 quiet levels with Kp=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on June 12 and at quiet levels on June 13-14.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.06.2024 | 08 | Quiet to Unsettled |
| 13.06.2024 | 05 | Quiet |
| 14.06.2024 | 05 | Quiet |

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