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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 15 06:07UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 14.06.2025 at 23:00 UTC was 151 sfu.
The background X-Ray flux is at the class C2.4 level.
Two M-class solar flares were produced from AR4105 and the biggest was the M6.8.
AR4105 erupted on June 14 at 23:01 UT peak time producing a M6.8-class solar flare and a radio blackout of category R2.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 11-13.
A coronal hole (CH1301) at southern hemisphere will be Earth facing on June 11-18.

**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 565 Km/s on June 15 at 02:45 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 -6 nT on June 14 at 07:45 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 quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on June 15-16 due to effects associated with CH1301 and at quiet to unsettled levels on June 17.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.06.2025 | 15 | Quiet to Active |
| 16.06.2025 | 15 | Quiet to Active |
| 17.06.2025 | 12 | Quiet to unsettled |

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