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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 19 05:35UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 18.06.2025 at 23:00 UTC was 137 sfu.
The background X-Ray flux is at the class C2.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 16-18.
A coronal hole (CH1301) at southern hemisphere will be Earth facing on June 11-19.

**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 589 Km/s on June 19 at 00:00 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 -8 nT on June 18 at 21:30 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on June 19-21.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 19.06.2025 | 12 | Quiet to Active |
| 20.06.2025 | 12 | Quiet to Active |
| 21.06.2025 | 10 | Quiet to Active |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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