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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 June 22 08:08UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 21.06.2025 at 23:00 UTC was 120 sfu.
The background X-Ray flux is at the class B6.8 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 19-21.
A coronal hole (CH1301) at southern hemisphere was Earth facing on June 11-19.
An equatorial coronal hole (CH1303) was Earth facing on June 20-21.
A large equatorial coronal hole (CH1302) will rotate across the central meridian on June 22-24.

**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 579 Km/s on June 22 at 01:00 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 -7 nT on June 21 at 14:55 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=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on June 22 and at quiet to active levels on June 23-24.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 22.06.2025 | 10 | Quiet to Unsettled |
| 23.06.2025 | 15 | Quiet to Active |
| 24.06.2025 | 15 | Quiet to Active |

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