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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 15 10:21UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 14.06.2024 at 23:00 UTC was 169 sfu.
The background X-Ray flux is at the class C2.4 level.
AR3712 erupted on June 14 at 06:26 UT peak time producing a M1.3 class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 12-14.
A coronal hole (CH1225) at southern hemisphere was Earth facing on June 10.A small equatorial coronal hole (CH1226) was Earth facing on June 13-14.

**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 373 Km/s on June 15 at 15:40 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 15 at 03:50 UT during the last 24 hours.
The geomagnetic field was at quiet 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 15-17.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.06.2024 | 10 | Quiet to Unsettled |
| 16.06.2024 | 12 | Quiet to Unsettled |
| 17.06.2024 | 05 | Quiet to Unsettled |

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