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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 13 07:00UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.06.2024 at 23:00 UTC was 165 sfu.
The background X-Ray flux is at the class C2.5 level.
AR3711 erupted on June 12 at 22:46 UT peak time producing a M1.2 class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 10-12.
A small equatorial coronal hole (CH1226) will become Earth facing on June 13-14.

**II. Solar Energetic Particle Events**
Protons and electrons fluxes are quiet. The greater than 10 MeV proton flux at geosynchronous orbit increased without crossing the threshold of solar proton event.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 365 Km/s on June 12 at 14:35 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 -4 nT on June 12 at 11:20 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=0.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on June 13-15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.06.2024 | 05 | Quiet |
| 14.06.2024 | 05 | Quiet |
| 15.06.2024 | 05 | Quiet |

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