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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 14 04:34UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.06.2024 at 23:00 UTC was 170 sfu.
The background X-Ray flux is at the class C2.1 level.
AR3711 erupted on June 13 at 16:45 UT peak time producing a M3.2 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 coronal hole (CH1225) at southern hemisphere was Earth facing on June 10.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.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 351 Km/s on June 13 at 11:00 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 -4 nT on June 14 at 03:10 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on June 14 and at quiet to unsettled levels on June 15-16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.06.2024 | 05 | Quiet |
| 15.06.2024 | 10 | Quiet to Unsettled |
| 16.06.2024 | 12 | Quiet to Unsettled |

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