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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 June 07 07:29UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 06.06.2024 at 23:00 UTC was 191 sfu.
The background X-Ray flux is at the class C4.1 level.
AR3697 erupted on June 06 at 15:06 UT peak time producing a M6.1 class solar flare and a radio blackout of category R2.
No obviously Earth directed CMEs were observed in available LASCO imagery on June 02-04.
A coronal hole (CH1224) at northern hemisphere rotated across the central meridian on June 04-06.

**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 406 Km/s on June 06 at 08:00 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 -5 nT on June 07 at 02:45 UT during the last 24 hours.
The geomagnetic field was at quiet to unsettled 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 levels on June 07 and at quiet to unsettled levels on June 08-09 due to effects from CH1224.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 07.06.2024 | 05 | Quiet |
| 08.06.2024 | 08 | Quiet to Unsettled |
| 09.06.2024 | 08 | Quiet to Unsettled |

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