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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 July 03 06:30UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 02.07.2024 at 23:00 UTC was 164 sfu.
The background X-Ray flux is at the class C1.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 01-02.
A coronal hole (CH1229) at northern hemisphere could rotate into an Earth facing position on July 04-05.
A CME was observed on June 29 at 16:12 UT. This CME was expected to reach Earth on July 02 between at 07:48 UT and at 12:38 UT according to EAM predictions.

**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 421 Km/s on July 02 at 09:00 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 July 03 at 04:05 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 to minor storm (G1) levels on July 03 due to the continuous effects of CME observed on June 29 and at quiet to unsettled levels on July 04-05.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 03.07.2024 | 15 | Quiet to Minor storm (G1) |
| 04.07.2024 | 12 | Quiet to Unsettled |
| 05.07.2024 | 08 | Quiet to Unsettled |

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