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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 July 10 07:46UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.07.2024 at 23:00 UTC was 180 sfu.
The background X-Ray flux is at the class C3.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 06-08.
A coronal hole (CH1230) at southern hemisphere rotated into an Earth facing position on July 06-07. A coronal hole (CH1231) at northern hemisphere will rotate across the central meridian on July 10-11.

**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 401 Km/s on July 10 at 06:20 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 -9 nT on July 09 at 22:55 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 July 10-12.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.07.2024 | 06 | Quiet to unsettled |
| 11.07.2024 | 08 | Quiet to unsettled |
| 12.07.2024 | 10 | Quiet to unsettled |

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