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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 July 13 07:41UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.07.2024 at 23:00 UTC was 210 sfu.
The background X-Ray flux is at the class C2.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 09-11.
A coronal hole (CH1231) at northern hemisphere rotated 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 383 Km/s on July 12 at 15:15 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 13 at 05:25 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 active levels on July 13-14 due to the effect of the recurrent coronal hole high speed stream and at quiet to unsettled levels on July 15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.07.2024 | 12 | Quiet to Active |
| 14.07.2024 | 15 | Quiet to Active |
| 15.07.2024 | 08 | Quiet to unsettled |

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