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Product: Daily Forecast of Geomagnetic Activity
Issued: 2023 December 13 04:53UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.12.2023 at 23:00 UTC was 126 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 December 09-11.
An equatorial coronal hole (CH1192) will rotate across the central meridian on December 11-14.

**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 400 Km/s on December 12 at 15:55 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 -12 nT on December 12 at 11:55 UT during the last 24 hours.
The geomagnetic field was at quiet to active 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 unsettled levels on December 13 and 15 and at quiet to active levels on December 14 due to effects from CH1192.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.12.2023 | 08 | Quiet to unsettled |
| 14.12.2023 | 12 | Quiet to active |
| 15.12.2023 | 10 | Quiet to unsettled |

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