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Product: Daily Forecast of Geomagnetic Activity
Issued: 2023 December 12 04:59UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 11.12.2023 at 23:00 UTC was 126 sfu.
The background X-Ray flux is at the class B6.8 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. Geomagnetic Activity**
ACE: The solar wind speed measured by ACE satellite reached the max value 450 Km/s on December 11 at 08:30 UT during the last 24 hours.
STEREO A: The solar wind speed from STEREO A was detected 400 Km/s during the last 24 hours.
STEREO B: -
The vertical component of IMF Bz reached the max value -4 nT on December 12 at 03:10 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=0.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on December 12-13 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** |
| 12.12.2023 | 05 | Quiet |
| 13.12.2023 | 05 | Quiet |
| 14.12.2023 | 12 | Quiet to active |

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