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Product: Daily Forecast of Geomagnetic Activity
Issued: 2023 December 14 04:58UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.12.2023 at 23:00 UTC was 126 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on December 10-12.
An equatorial coronal hole (CH1192) rotated across the central meridian on December 11-13.

**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 389 Km/s on December 14 at 02:50 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 -14 nT on December 14 at 01:10 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 active levels with Kp=4.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on December 14-15 due to effects from CH1192 and at quiet to unsettled levels on December 16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.12.2023 | 10 | Quiet to active |
| 15.12.2023 | 12 | Quiet to active |
| 16.12.2023 | 08 | Quiet to unsettled |

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