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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 14 09:29UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.11.2024 at 23:00 UTC was 150 sfu.
The background X-Ray flux is at the class C2.6 level.
Two M-class flares were produced on November 13 and the largest was the M1.7.
AR3889 erupted on November 13 at 17:08 UT peak time producing a M1.7-Class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 11-13.
A coronal hole (CH1254) at northern hemisphere will be Earth facing on November 09-14.

**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 431 Km/s on November 14 at 06:50 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 450 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -8 nT on November 13 at 11:40 UT during the last 24 hours.
The geomagnetic field was at quiet to unsettled 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 November 14-15 due to the effects of the coronal hole high speed streams and at quiet to unsettled levels on November 16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.11.2024 | 12 | Quiet to Active |
| 15.11.2024 | 10 | Quiet to Active |
| 16.11.2024 | 06 | Quiet to Unsettled |

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