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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 12 07:26UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 11.11.2024 at 23:00 UTC was 182 sfu.
The background X-Ray flux is at the class C1.3 level.
AR3889 erupted on November 11 at 05:43 UT peak time producing a M1.4-Class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 07-09.
A coronal hole (CH1254) at northern hemisphere will be Earth facing on November 09-12.

**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 421 Km/s on November 11 at 15:45 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 November 11 at 15:25 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 active levels on November 12-14 due to the effects of the coronal hole high speed streams.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.11.2024 | 12 | Quiet to Active |
| 13.11.2024 | 15 | Quiet to Active |
| 14.11.2024 | 12 | Quiet to Active |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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