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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 11 08:07UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 10.11.2024 at 23:00 UTC was 231 sfu.
The background X-Ray flux is at the class C4.8 level.
Three M-class flares were produced on November 10 and the largest was the M9.4.
AR3889 erupted on November 10 at 12:06 UT peak time producing a M9.4-Class solar flare and a radio blackout of category R2.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 07-09.
An equatorial coronal hole (CH1253) rotated acrosss the central meridian on November 04-05.
A coronal hole (CH1254) at northern hemisphere could become 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 451 Km/s on November 10 at 21:30 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 300 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -8 nT on November 10 at 19:40 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) levels during the last 24 hours.
The Kp index now is at quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on November 11-13 due to the effects of the coronal hole high speed streams.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.11.2024 | 12 | Quiet to Minor Storm (G1) |
| 12.11.2024 | 15 | Quiet to Minor Storm (G1) |
| 13.11.2024 | 15 | Quiet to Minor Storm (G1) |

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