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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 November 08 07:25UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 07.11.2024 at 23:00 UTC was 239 sfu.
The background X-Ray flux is at the class C2.3 level.
Seven M-class solar flares were produced on November 07 and the largest was the M2.7.
AR3889 erupted on November 07 at 07:54 UT peak time producing a M2.7-Class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on November 05-06.
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 08-10.

**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 441 Km/s on November 07 at 16:10 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 -6 nT on November 07 at 17:55 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 08-10 due to the effects of coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 08.11.2024 | 10 | Quiet to Active |
| 09.11.2024 | 12 | Quiet to Active |
| 10.11.2024 | 12 | Quiet to Active |

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