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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 April 09 03:47UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 08.04.2024 at 23:00 UTC was 125 sfu.
The background X-Ray flux is at the class B3.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on April 05-07.
A small northern hemisphere coronal hole (CH1212) was Earth facing on April 04-05.

**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 420 Km/s on April 08 at 19:20 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 -5 nT on April 09 at 01:45 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 unsettled levels on April 09-11.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.04.2024 | 08 | Quiet to Unsettled |
| 10.04.2024 | 08 | Quiet to Unsettled |
| 11.04.2024 | 06 | Quiet to Unsettled |

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