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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 April 29 03:41UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 28.04.2025 at 23:00 UTC was 154 sfu.  
The background X-Ray flux is at the class C1.1 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on April 25-27.  
A coronal hole (CH1289) at northern hemisphere will likely rotate across the central meridian on April 28-29.  
  
**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 April 28 at 03:55 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 -1 nT on April 28 at 08:10 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 levels on April 29-May 01.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 29.04.2025 | 05 | Quiet |
| 30.04.2025 | 05 | Quiet |
| 01.05.2025 | 05 | Quiet |

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