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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 September 01 04:34UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 31.08.2025 at 23:00 UTC was 217 sfu.  
The background X-Ray flux is at the class C3.2 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on August 27-29.  
A coronal hole (CH1314) at southern hemisphere rotaded across the central meridian on August 28.  
---CME arrival forecast  
A CME was observed on August 30 at 20:09 UT.The source for this CME is the long duration M2.8 class flare from AR14199. This CME is expected to reach Earth between on September 01 at 10:49 UT and on September 02 at 06:55 UT according to EAM predictions.  
  
**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 479 Km/s on August 31 at 18:50 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 August 31 at 07:15 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=2.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet to moderate storm (G2) levels on September 01-02 due to the effect of the CME and at quiet to active levels on September 03.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 01.09.2025 | 25 | Quiet to Moderate storm (G2) |
| 02.09.2025 | 50 | Quiet to Moderate storm (G2) |
| 03.09.2025 | 12 | Quiet to Active |

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