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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 July 24 05:33UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 23.07.2025 at 23:00 UTC was 150 sfu.  
The background X-Ray flux is at the class C1.0 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on July 21-22.  
An equatorial coronal hole (CH1307) rotated across the central meridian on July 19-21.  
---CME arrival forecast  
A CME was observed on July 23 at 04:53 UT. This CME is expected to reach Earth on July 26 between at 08:30 UT and at 21:51 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 775 Km/s on July 23 at 21:20 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 -7 nT on July 23 at 10:50 UT during the last 24 hours.  
The geomagnetic field was at unsettled to minor storm (G1) levels during the last 24 hours.  
The Kp index now is at active levels with Kp=4.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet to minor storm (G1) levels on July 24 due to the continuous effect of the recurrent coronal hole high speed stream, at quiet to unsettled levels on July 25 and at quiet to active levels on July 26 due to CME effects.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 24.07.2025 | 20 | Quiet to Minor Storm (G1) |
| 25.07.2025 | 10 | Quiet to Unsettled |
| 26.07.2025 | 12 | Quiet to Active |

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