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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 July 22 05:37UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 21.07.2025 at 23:00 UTC was 143 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 July 18-20.  
An equatorial coronal hole (CH1307) will rotate across the central meridian on July 19-21.  
  
**II. Solar Energetic Particle Events**  
Protons fluxes are quiet.  
The greater than 2 MeV electron flux at geosynchronous orbit remained at minor storm level.  
  
**III. Interplanetary and Geomagnetic conditions**  
The solar wind speed measured by ACE satellite reached the max value 503 Km/s on July 21 at 10:15 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 -3 nT on July 22 at 03:40 UT during the last 24 hours.  
The geomagnetic field was at quiet 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 July 22 and 24 and at quiet to minor storm (G1) levels on July 23 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 22.07.2025 | 12 | Quiet to Active |
| 23.07.2025 | 20 | Quiet to Minor Storm (G1) |
| 24.07.2025 | 15 | Quiet to Active |

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