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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2025 July 19 05:28UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 18.07.2025 at 23:00 UTC was 156 sfu.  
The background X-Ray flux is at the class C1.3 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on July 15-17.  
An equatorial coronal hole (CH1306) was Earth facing on July 08-15.  
  
**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 602 Km/s on July 18 at 09:00 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 -6 nT on July 18 at 16:00 UT during the last 24 hours.  
The geomagnetic field was at quiet to active 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 July 19-20 and at quiet levels on July 21.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 19.07.2025 | 12 | Quiet to Unsettled |
| 20.07.2025 | 08 | Quiet to Unsettled |
| 21.07.2025 | 05 | Quiet |

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