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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 July 09 07:08UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 08.07.2024 at 23:00 UTC was 169 sfu.  
The background X-Ray flux is at the class C2.4 level.  
M1.1 class solar flare peaking on July 08 at 12:41 UT and producing a radio blackout of category R1.  
No obviously Earth directed CMEs were observed in available LASCO imagery on July 06-08.  
A coronal hole (CH1230) at southern hemisphere rotated into an Earth facing position on July 06-07.  
  
**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 435 Km/s on July 08 at 14:55 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 -8 nT on July 08 at 09:35 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 unsettled levels on July 09-11.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 09.07.2024 | 08 | Quiet to unsettled |
| 10.07.2024 | 06 | Quiet to unsettled |
| 11.07.2024 | 06 | Quiet to unsettled |

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