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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 July 11 08:48UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 10.07.2024 at 23:00 UTC was 214 sfu.  
The background X-Ray flux is at the class C2.7 level.  
Five M-class flares were produced by AR3738 on July 10.  
No obviously Earth directed CMEs were observed in available LASCO imagery on July 08-10.  
A coronal hole (CH1230) at southern hemisphere rotated into an Earth facing position on July 06-07. A coronal hole (CH1231) at northern hemisphere will rotate across the central meridian on July 10-11.  
  
**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 412 Km/s on July 10 at 09:25 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 -5 nT on July 10 at 22:10 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=2.  
  
**IV. 3-day Geomagnetic Activity Forecast**  
The geomagnetic field is expected to be at quiet to unsettled levels on July 11-12 and at quiet to active levels on July 13 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 11.07.2024 | 06 | Quiet to unsettled |
| 12.07.2024 | 10 | Quiet to unsettled |
| 13.07.2024 | 12 | Quiet to Active |

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