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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 July 12 06:51UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 11.07.2024 at 23:00 UTC was 205 sfu.  
The background X-Ray flux is at the class C1.7 level.  
Two M-class flares were produced on July 10 and the biggest was the M1.3.  
AR3745 erupted on July 11 at 04:23 UT peak time producing a M1.3 class solar flare and a radio blackout of category R1.  
No obviously Earth directed CMEs were observed in available LASCO imagery on July 09-11.  
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 388 Km/s on July 11 at 13:40 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 11 at 22:30 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 12 and at quiet to active levels on July 13-14 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 12.07.2024 | 08 | Quiet to unsettled |
| 13.07.2024 | 12 | Quiet to Active |
| 14.07.2024 | 15 | Quiet to Active |

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