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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 July 15 08:00UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 14.07.2024 at 23:00 UTC was 234 sfu.
The background X-Ray flux is at the class C2.9 level.
Four M-class and one X-class solar flares were produced on July 14.
AR3738 erupted on July 14 at 02:34 UT peak time producing a X1.2 class solar flare and a radio blackout of category R3.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 11-13.
A coronal hole (CH1231) at northern hemisphere rotated 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 320 Km/s on July 14 at 23:05 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 -4 nT on July 14 at 10:05 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 level on July 15-17.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.07.2024 | 05 | Quiet |
| 16.07.2024 | 05 | Quiet |
| 17.07.2024 | 05 | Quiet |

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