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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 July 07 06:47UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 06.07.2024 at 23:00 UTC was 166 sfu.
The background X-Ray flux is at the class C4.2 level.
AR3738 erupted on July 06 at 23:15 UT peak time producing a M1.0 class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 03-05.
A coronal hole (CH1230) at southern hemisphere could rotate 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 350 Km/s on July 07 at 04:00 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 -5 nT on July 06 at 22:55 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 levels on July 07 and at quiet to unsettled levels on July 08-09.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 07.07.2024 | 05 | Quiet |
| 08.07.2024 | 10 | Quiet to unsettled |
| 09.07.2024 | 08 | Quiet to unsettled |

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Athens Space Weather Forecasting Center
Physics Department, National & Kapodistrian University of Athens
Athens Neutron Monitor Station A.NE.MO.S
Tel.: +30 210 727 6901
email: spaceweather@phys.uoa.gr
URL: http://spaceweather.phys.uoa.gr
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