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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 September 28 08:01UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 27.09.2024 at 23:00 UTC was 186 sfu.
The background X-Ray flux is at the class C2.2 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on September 24-26.
An equatorial coronal hole (CH1244) was in an Earth facing position on September 25-26.

**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 353 Km/s on September 28 at 05:05 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 500 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -6 nT on September 27 at 10:50 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=0.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on September 28, at quiet to active levels on September 29 and at quiet to unsettled levels on September 30.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 28.09.2024 | 05 | Quiet |
| 29.09.2024 | 10 | Quiet to Active |
| 30.09.2024 | 07 | 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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