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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 October 14 09:05UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 13.10.2024 at 23:00 UTC was 195 sfu.
The background X-Ray flux is at the class C1.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on October 12-14.
A small northern hemisphere coronal hole (CH1246) was in an Earth facing position on October 12-13.
Another coronal hole (CH1247) at northern hemisphere could rotate across the central meridian on October 14-16.

**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 522 Km/s on October 13 at 22:45 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 -3 nT on October 14 at 06:10 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on October 14 and at quiet to unsettled levels on October 15-16.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 14.10.2024 | 05 | Quiet |
| 15.10.2024 | 12 | Quiet to Unsettled |
| 16.10.2024 | 12 | Quiet to Unsettled |

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