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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 March 15 19:17UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 14.03.2024 at 23:00 UTC was 127 sfu.
The background X-Ray flux is at the class C1.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 12-14.
A coronal hole (CH1204) at northern hemisphere rotated across the central meridian on March 10. A small coronal hole (CH1205) at southern hemisphere was Earth facing on March 13. A coronal hole (CH1206) at northern hemisphere was in an Earth facing position on March 14.

**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 459 Km/s on March 15 at 03:35 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 -6 nT on March 14 at 22:30 UT during the last 24 hours.
The geomagnetic field was at quiet to active 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 to active levels on March 15 and at quiet to unsettled levels on March 16-17.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 15.03.2024 | 10 | Quiet to Active |
| 16.03.2024 | 08 | Quiet to Unsettled |
| 17.03.2024 | 08 | Quiet to Unsettled |

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