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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 March 13 04:57UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 12.03.2024 at 23:00 UTC was 131 sfu.
The background X-Ray flux is at the class A0.0 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 09-11.
A coronal hole (CH1204) at northern hemisphere rotated across the central meridian on March 10.

**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 464 Km/s on March 13 at 01:55 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 March 12 at 13:40 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=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on March 13-14 due to the effect of coronal hole high speed stream and at quiet levels on March 15.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 13.03.2024 | 10 | Quiet to Unsettled |
| 14.03.2024 | 08 | Quiet to Unsettled |
| 15.03.2024 | 05 | Quiet |

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