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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 March 10 07:55UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 09.03.2024 at 23:00 UTC was 135 sfu.
The background X-Ray flux is at the class B5.7 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 06-08.

**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 467 Km/s on March 10 at 05:05 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 March 09 at 17:10 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 10-12.

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| --- | --- | --- |
| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 10.03.2024 | 08 | Quiet to Unsettled |
| 11.03.2024 | 06 | Quiet to Unsettled |
| 12.03.2024 | 06 | Quiet to Unsettled |

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