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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 March 08 05:07UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 07.03.2024 at 23:00 UTC was 137 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 04-06.
A small coronal hole (CH1203) at southern hemisphere was in an Earth facing position on March 05.

**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 472 Km/s on March 08 at 04:50 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 -7 nT on March 07 at 18:15 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 unsettled levels with Kp=3.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to active levels on March 08-09 due to the effects of the coronal hole high speed stream and at quiet to unsettled levels on March 10.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 08.03.2024 | 12 | Quiet to Active |
| 09.03.2024 | 15 | Quiet to Active |
| 10.03.2024 | 08 | Quiet to Unsettled |

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