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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 21 05:06UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 20.03.2025 at 23:00 UTC was 170 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 18-20.
A small equatorial coronal hole (CH1277) rotated across the central meridian on March 19.

**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 468 Km/s on March 20 at 05:50 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 -4 nT on March 21 at 02:45 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 unsettled levels on March 21 and at quiet to unsettled levels with isolated active periods on March 22-23.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 21.03.2025 | 10 | Quiet to Unsettled |
| 22.03.2025 | 15 | Quiet to Unsettled |
| 23.03.2025 | 15 | Quiet to Unsettled |

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