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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 17 04:34UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 16.03.2025 at 23:00 UTC was 186 sfu.
The background X-Ray flux is at the class C1.1 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 13-15.
A coronal hole (CH1276) at southern hemisphere was Earth facing on March 13.

**II. Solar Energetic Particle Events**
Proton fluxe is quiet.
The greater than 2 MeV electron flux at geosynchronous orbit reached minor storm levels on March 14.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 474 Km/s on March 17 at 18:20 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 17 at 03:40 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 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 17-18 and at quiet to unsettled levels on March 19.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 17.03.2025 | 12 | Quiet to Active |
| 18.03.2025 | 15 | Quiet to Active |
| 19.03.2025 | 10 | Quiet to Unsettled |

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