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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 March 18 05:19UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 17.03.2025 at 23:00 UTC was 204 sfu.
The background X-Ray flux is at the class A0.0 level.
AR4033 erupted on March 17 at 19:33 UT peak time producing a M1.0-class solar flare and a radio blackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 14-16.
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 maintained at minor storm level.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 419 Km/s on March 17 at 08:35 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 18 at 01:10 UT during the last 24 hours.
The geomagnetic field was at quiet to active 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 18 and at quiet to unsettled levels on March 19-20.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 18.03.2025 | 15 | Quiet to Active |
| 19.03.2025 | 10 | Quiet to Active |
| 20.03.2025 | 08 | Quiet to Unsettled |

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