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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 March 27 05:09UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 26.03.2024 at 23:00 UTC was 178 sfu.
The background X-Ray flux is at the class A0.0 level.
Five M-class solar flares were produced on March 26 and the biggest was the M1.9.
AR3615 erupted on March 26 at 13:30 UT peak time producing a M1.9 class solar flare and a radioblackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on March 24-25.

**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 647 Km/s on March 26 at 04:45 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 450 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -2 nT on March 27 at 02:05 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 27-29.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 27.03.2024 | 06 | Quiet to Unsettled |
| 28.03.2024 | 06 | Quiet to Unsettled |
| 29.03.2024 | 06 | Quiet to Unsettled |

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