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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 16 05:18UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 15.02.2024 at 23:00 UTC was 178 sfu.
The background X-Ray flux is at the class C2.1 level.
AR3576 erupted on February 15 at 17:07 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 February 12-14.

**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 493 Km/s on February 15 at 21:40 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 February 15 at 17:55 UT during the last 24 hours.
The geomagnetic field was at quiet levels during the last 24 hours.
The Kp index now is at quiet levels with Kp=1.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet levels on February 16-18.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 16.02.2024 | 05 | Quiet |
| 17.02.2024 | 05 | Quiet |
| 18.02.2024 | 05 | Quiet |

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