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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 08 05:02UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 07.02.2024 at 23:00 UTC was 188 sfu.
The background X-Ray flux is at the class C2.0 level.
Two M class solar flares were produced on February 07 and the biggest was the M5.2. AR3575 erupted on February 07 at 03:31 UT peak time producing a M5.2 class solar flare and a radioblackout of category R1.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 03-05.

**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 525 Km/s on February 07 at14:10UT 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 07 at 18:50 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 08 and at quiet to unsettled levels on February 09-10.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 08.02.2024 | 05 | Quiet |
| 09.02.2024 | 10 | Quiet to Unsettled |
| 10.02.2024 | 10 | Quiet to Unsettled |

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