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Product: Daily Forecast of Geomagnetic Activity  
Issued: 2024 April 03 03:56UTC  
Prepared by the Athens Space Weather Forecasting Center  
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**I. Solar activity**  
*--Current Status*  
Solar Flux (10.7cm) measured on 02.04.2024 at 23:00 UTC was 113 sfu.  
The background X-Ray flux is at the class B3.5 level.  
No obviously Earth directed CMEs were observed in available LASCO imagery on March 30-April 01.  
A coronal hole (CH1210) at northern hemisphere was Earth facing on March 31. An equatorial coronal hole (CH1211) rotated into an Earth facing position on March 31-April 01.  
  
**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 476 Km/s on April 02 at 08:20 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 -5 nT on April 02 at 12:25 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 with a chance of minor srorm (G1) levels on April 03-05 due to effects from CH1210 and CH1211.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 03.04.2024 | 10 | Quiet to Active |
| 04.04.2024 | 15 | Quiet to Active |
| 05.04.2024 | 15 | Quiet to Active |

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