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Product: Daily Forecast of Geomagnetic Activity
Issued: 2025 July 20 08:41UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 19.07.2025 at 23:00 UTC was 153 sfu.
The background X-Ray flux is at the class C1.6 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on July 16-18.
An equatorial coronal hole (CH1306) was Earth facing on July 08-15.
An equatorial coronal hole (CH1307) will rotate across the central meridian on July 19-21.

**II. Solar Energetic Particle Events**
Protons fluxes are quiet.
The greater than 2 MeV electron flux at geosynchronous orbit remained at minor storm level.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 549 Km/s on July 19 at 09:45 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 -3 nT on July 19 at 16:30 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 July 20-21 and at quiet to active levels on July 22 due to the effect of the recurrent coronal hole high speed stream.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 20.07.2025 | 05 | Quiet |
| 21.07.2025 | 05 | Quiet |
| 22.07.2025 | 12 | Quiet to Active |

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