



# Solar Influences Data Analysis Center (SIDC)

## Validation of space weather advisories for aviation

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Reliable High Frequency communication (HF COM) is critical especially for trans-Atlantic and polar flights. The HF COM can be strongly affected by space weather disturbances, such as strong geomagnetic storms, solar flaring and solar energetic particles events. In this study we perform a first validation of the HF COM advisories issued by the ICAO space weather advisory service for aviation, using in situ verification of HF COM quality in Reykjavik Control Area.

