



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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Introduction

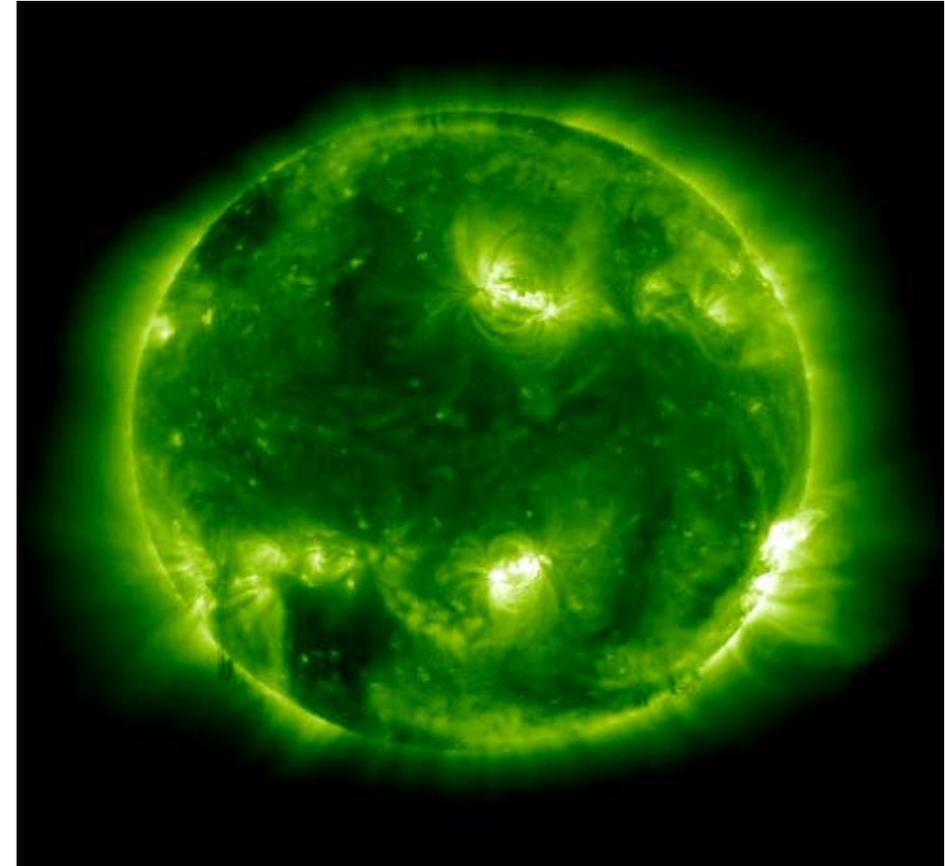
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Workshop on formulating a space weather exercise

15-16 November 2023

Introduction

- Agenda
 - Adoption of the Provisional Agenda (**PPT01**)
 - ICAO provisions on space weather as well as background information (**PPT02**)
 - Preparing for an Exercise (**PPT03, PPT04**)
 - Participating agencies
 - Aims and objectives
 - Exercise scenario
 - Conference to discuss issues encountered in the exercise
 - Transmission of information concerning space weather activity
 - Descents by aircraft due to solar radiation from space weather events
 - Dynamic airborne reroute procedure
 - Roles of stakeholders
 - Measure effectiveness of the exercise
 - Summary



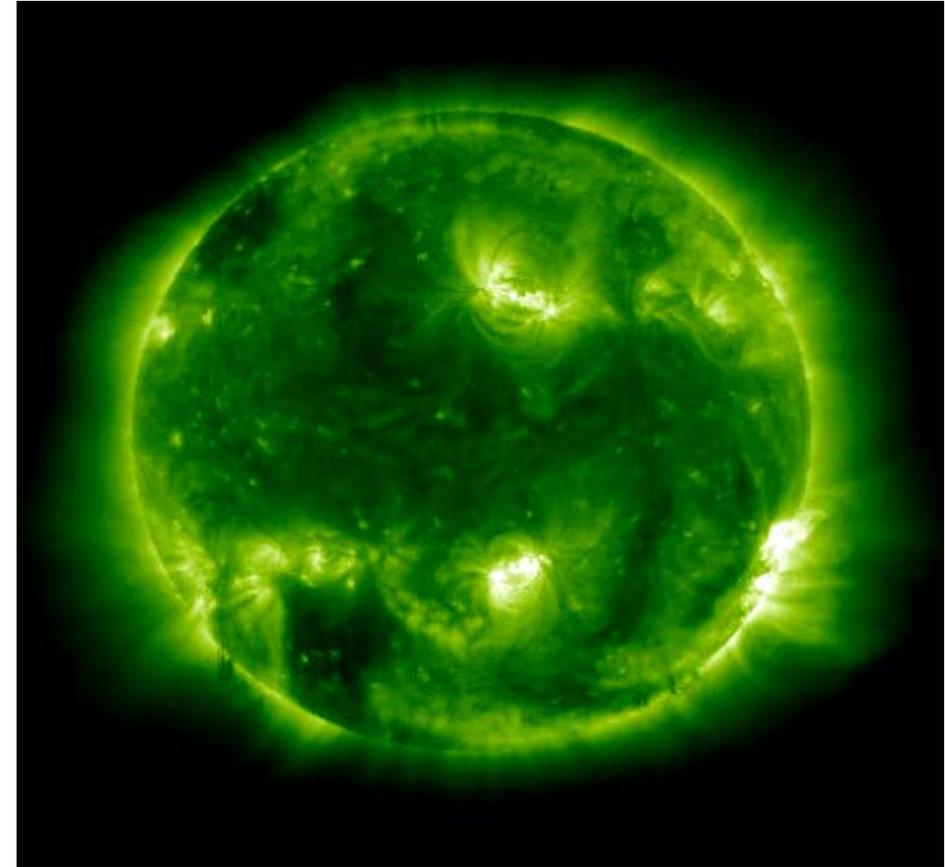
Introduction

- Provisions related to Space Weather Advisory Information were introduced in Amendment 78 to Annex 3 in 2018 in order to advise stakeholders of possible communication disruptions and increased radiation exposure
- Space Weather Centres have been selected by the ICAO Council to provide this service
 - ACFJ consortium of Australia, Canada, France and Japan
 - PECASUS consortium comprising Austria, Belgium, Cyprus, Finland, Germany, Italy, the Netherlands, Poland and the United Kingdom
 - Space Weather Prediction Center of NOAA of the United States
 - Consortium of China and Russian Federation



Introduction

- Reference the ICAO MID SWX Advisory Information Dissemination Webinar held 3-4 March 2021
- <https://www.icao.int/MID/Pages/2021/MET%20SWX%20Webinar.aspx>
 - Background on SWX Information
 - ICAO Provision on Space Weather
 - Dissemination of Space Weather Advisory Information
 - Webinar Conclusions and Recommendations



Introduction

- This Workshop focuses on the development of an Space Weather Exercise Directive in order to test aviation stakeholders response to a space weather event
- The Workshop should
 - Review the draft Exercise Directive
 - Decide on a core group of stakeholders (referred to as DISTAFF in the Directives) to further develop the Exercise Directive and determine dates and times of the space weather exercise as well as exercise objectives and space weather scenario supporting testing those objectives
 - Determine if another meeting/workshop (virtual, hybrid, face-2-face) is needed prior the space weather exercise





Thank You!