

Séminaire ven 29 Avr 2011 11h / Seminar Fri Apr 29th 2011 11h

Conférencier/Lecturer: Wayne F. Feltz

Sujet/Subject: GOES-R Overview of Aviation and
Nowcasting Applications
Current status and a look into the future
(U. Wisconsin-Madison)

Présentation/Presentation: Anglais / English

Lieu/Room: Salle des vents (Dorval)

wiki: https://wiki.cmc.ec.gc.ca/wiki/RPN_Seminars

iweb: <http://web-mrb.cmc.ec.gc.ca/mrb/rpn/SEM/>

web: <http://collaboration.cmc.ec.gc.ca/science/rpn/SEM/index.php>

Abstract

The NOAA GOES-R Aviation Algorithm Working Group was formed in November 2006 to assess satisfying aviation-related requirements, as defined in the GOES-R Mission Requirements Document. A suite of aviation related products are in development, and are being evaluated to assess meteorological hazards to aircraft, derived from the current generation of GOES and European Spinning Enhanced Visible and Infrared Imager (SEVIRI) imager data. This presentation will focus on GOES-R Advanced Baseline Imager (ABI) science requirements relating to satellite-based aviation decision support products, such as convective initiation, overshooting-top/enhanced-V, turbulence, and volcanic ash/SO₂ hazards. These new methodologies have relevance on GOES imager and SEVIRI today, and overview will include discussion on how product utility has been improved through satellite Proving Ground activities. Satellite-based decision support for aviation context toward improvement of future air transportation route planning and warning (Joint Agency NextGen activities) for the general public with emphasis on successfully bridging research to operations will also be discussed.