

Séminaire ven 4 Déc 2009 11h / Seminar Fri Dec 4th 2009 11h

Conférencier/Lecturer: Hai Lin

Sujet/Subject: The Intraseasonal Forecast Project

Présentation/Presentation: Anglais / English

Lieu/Room: Salle des vents (Dorval)

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

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

Résumé/Abstract

In the first part of this talk, a summary of our recent work about the influence of the Madden-Julian Oscillation (MJO) on wintertime Canadian weather is presented. Such an influence, if captured in numerical models, could provide a very important signal for weather predictions 1-3 weeks in advance. In the second part of the talk, the intraseasonal forecast project is introduced which aims at improving our current extended-range and monthly predictions. 20-member ensemble forecasts of 35 days are performed in an experimental mode three times a month using the current EPS system configuration modified with persistent SST anomalies added to the time-evolving boundary condition climate. Also discussed is the intraseasonal hindcast experiment that is completed using GEM-clim for the past 24 years with its objective of determining the predictability and providing model climate for the intraseasonal forecast.