

## **SEMINAIRE - CNRM / GAME**

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### **LES OUTILS DE MONITORING DES DONNEES AU CEPMMT**

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**en salle de conférences de Navier**

#### Summary :

Data monitoring activity is a key component of the data assimilation diagnostic system. Many diagnostics are based on departures of the First Guess (FG) and analysis from the observations (so called 'innovations' or 'departures'), as calculated during the assimilation process. Statistics on these provide a powerful basis for the characterisation of observation, assimilation or model aspects.

The generation and plotting of observation statistics requires a high degree of flexibility, provided by the OBSTAT-tool developed at ECMWF. Such flexibility is important to allow diagnosis from many

perspectives: temporal, geographical, vertical column, land and sea, data usage flags, observation angles...

The talk is intended to describe the architecture of OBSTAT, the statistics production options, the statistics output formats and the statistics plotting facilities.