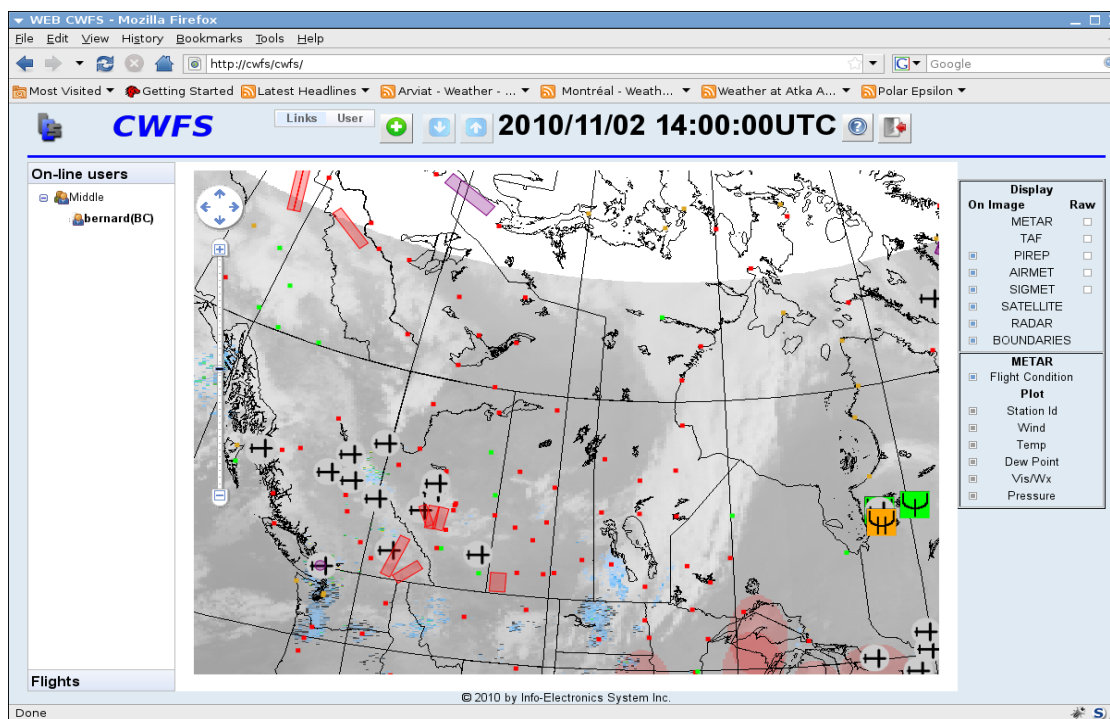




COLLABORATIVE WEATHER FORECAST SYSTEM (CWFS)



ABOUT THE SYSTEM

- Powerful graphical Web-based application designed to present meteorological information on a geo-referenced background.
- Collaboration tool allowing users to chat one-to-one or one-to-many to discuss forecasts.
- Visualization tool displaying weather information received from various sources in real-time.
- Visualization tool to display flight plan and track flights (optional).
- Animation capability for satellite and radar images.

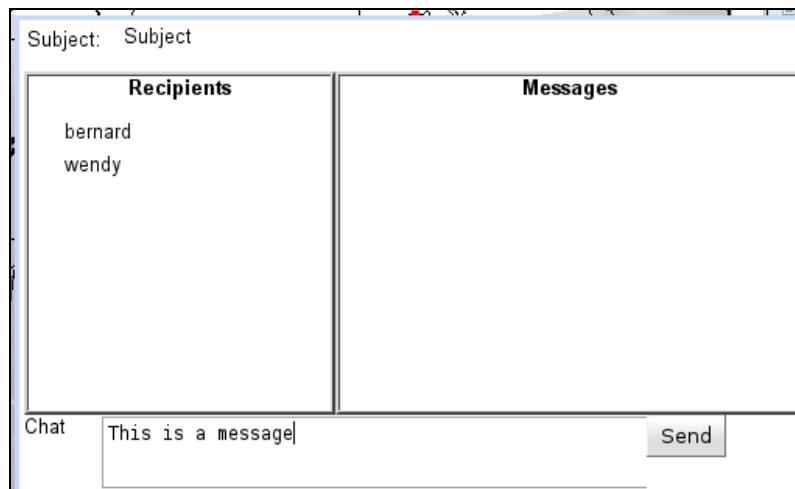
MULTIPLE LAYERS

- ❖ Imagery Layer: Geographical Boundaries, Satellite and Radar images.
- ❖ METAR displayed as METAR Plot (similar to a Station Plot) or as Flight Conditions (Red for IFR, Yellow for MVFR and Green for VFR).
- ❖ PIREP displayed with different icons depending upon whether the PIREP is for (1) Light, Medium or Severe Turbulence or (2) Light, Medium or Severe Icing.
- ❖ AIRMET with coverage area displayed as Circle, Rectangle or Polygon with a Purple background.
- ❖ SIGMET with coverage area displayed as Circle, Rectangle or Polygon with a Red background.
- ❖ Possibility to add other layers of data, e.g. Cities/Airports, rivers, basins, Digital Elevation model, bathymetry, etc.
- ❖ Pop up display of raw data for any one of the above types of reports with mouse over.

FUNCTIONALITIES

- ✓ Zooming using the mouse or the Control Bar.
- ✓ Panning using the mouse or the Control Bar.
- ✓ Animation on satellite and radar images.
- ✓ Display of more/less information depending upon the level of the zoom, such as more airports, more cities, etc.

COLLABORATIVE (CHAT)

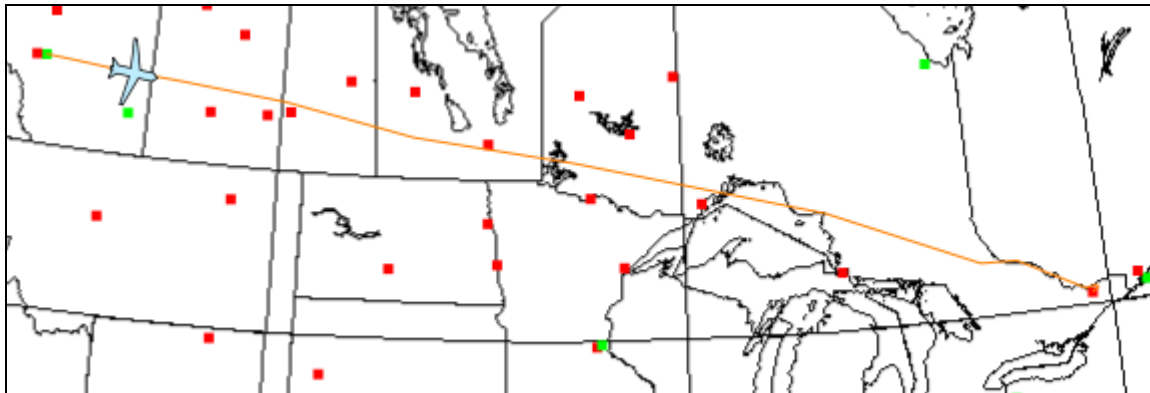


The screenshot shows a chat window with the following elements:

- Subject: Subject
- Recipients: bernard, wendy
- Messages: (empty)
- Chat input field: This is a message|
- Send button

One-to-one chat and one-to-many chat.

DISPLAYING FLIGHT PLAN & FLIGHT TRACK



- Real-time Flight Plan and Flight Track display.
- Selection of the Flight to track.
- Popup display of the flight information with a mouse over the plane.

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