

SIOMA – AUTOMATED WEATHER OBSERVING SYSTEM (AWOS)

DEGREANE HORIZON is the world leader in the design, manufacture and deployment of turnkey meteorological measurement systems.



SIOMA (*Système Intégré d'Observation Météorologique d'Aérodrome*) was developed to gather, process and display Met Garden and Runway meteorological data operated by weather observers, forecasters, and air traffic controllers in airport control towers.

It includes:

- a series of meteorological sensors
- a redundant data acquisition platform running on CAOBS Chrome suite
- a set of backup digital display indicators

CAOBS Chrome software



CAOBS Chrome is a distributed software application ensuring Met Parameter acquisition / processing and assisting staff for airport operations in encoding METAR/SPECI/SYNOP observation messages as well as TAF/SIGMET/AIRMET forecast messages.

Using Web technology, it offers a large range of modules tailored for the specific needs of aviation and synoptic meteorology, such as monthly climatological table.

Advantages :

- Clustered server architecture provides continuity of service and fault tolerance
- The solution does not require any special infrastructure for client workstations other than an internet browser (Google Chrome, Mozilla Firefox, etc.)
- There are neither restrictions on the number of workstations that can interact, nor on the choice of operating system installed on client workstations (Windows, Linux, MacOSx)



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