

MESSIR-CLIM

Climatological Database System and Workstation

COROBOR
S y s t e m e s

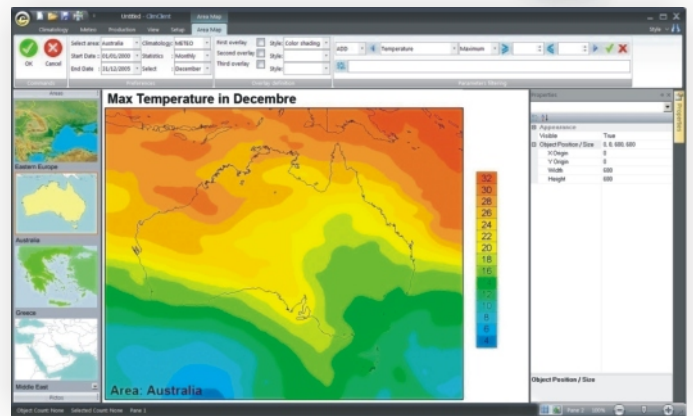
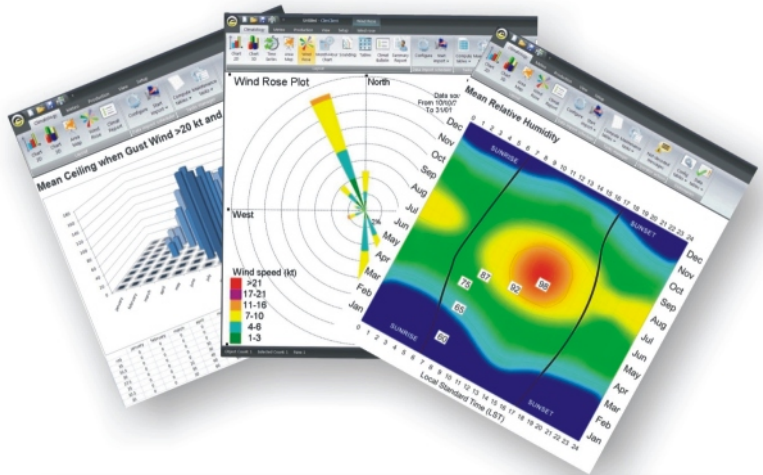
In the past 20 years, media reports of climate issues have largely focused on global challenges, such as greenhouse gases or catastrophic storms like hurricanes Hugo, Andrew, and Fran.

Reliable climate information and data are necessary-directly or indirectly-to achieve sustainable economic advantages in virtually every enterprise in the world.

There are many practical day-to-day uses for climate information. Some activities, like construction, aviation, and agriculture, are more sensitive than others, such as medicine or accounting. But at some level, almost everything depends upon the weather and, hence, climate.

Every meteorological center has the need of operational climatological information designed for the customer's requests.

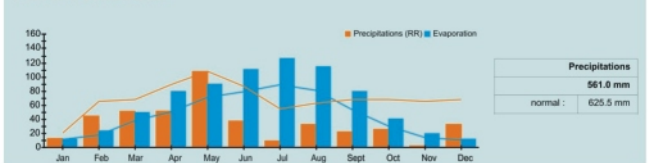
MESSIR-CLIM is the solution! It has all the features needed. It is the perfect combination between speed and a large amount of information processed in different graphic forms. Climatological tables, climatological summaries and descriptive climatological memoranda will assist your meteorological service for critical application like climate forecasting and variability prediction, long-range weather and climate monitoring, verification results for operational and research use.



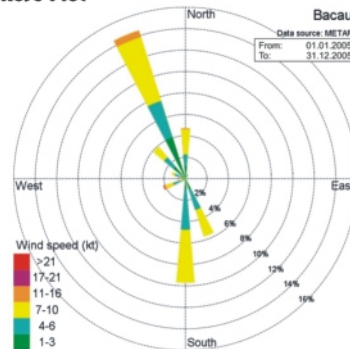
Some GOOD REASONS to choose MESSIR-CLIM

- **MESSIR-CLIM** ingests any meteorological information received in standard code forms. Starting with METAR and SYNOP data to the upper air information – TEMP – all can be processed using MESSIR-CLIM's user-friendly interface.
- **MESSIR-CLIM** is designed in accordance with WMO recommended practices for climatological data processing (WMO Guide No. 100).
- **MESSIR-CLIM** SQL database offers easy and fast access to a large amount of meteorological information. Any standard database can be imported and quasi-real time data ingestion is possible through MESSIR-COMM.
- **MESSIR-CLIM** quality control module checks all the data ingested. Data validity, internal, temporal and spatial consistencies are flagged in real time. The checks are fully configurable by the database administrator through a user-friendly interface.
- **MESSIR-CLIM** can display processed information using the classic forms – tables and graphs or, by user's choice, the map display.
- **MESSIR-CLIM** provides web access enabling remote users to query climatological reports and maps using a simple PC equipped with any internet browser.
- **MESSIR-CLIM's** unique flexible interface allows user to generate unique, customized climatological reports in order to fulfill any customer's request, using different filters on any parameter contained in the original messages.

PRECIPITATIONS

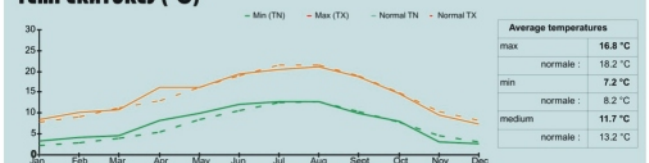


Wind Rose Plot



WMO ID: 15150,
ICAO ID: LRBC
alt : 82 m.,
lat : 46 31N,
lon : 26 54E

TEMPERATURES (°C)



MESSIR-CLIM Main Features

Powerful Relational Database Management System

- MESSIR-CLIM's Climatologic and Database Management System, based on SQL technology, ensures climatological data acquisition and storage and provides complete and relevant information to end-users, in order to fulfill any complex queries. MESSIR-CLIM database relies on major standard RDBMS like PostgreSQL, MS SQL Server...
- The database is organized so as to optimize the use of memory sizes allotted to the Display and is able to print any statistics you create!

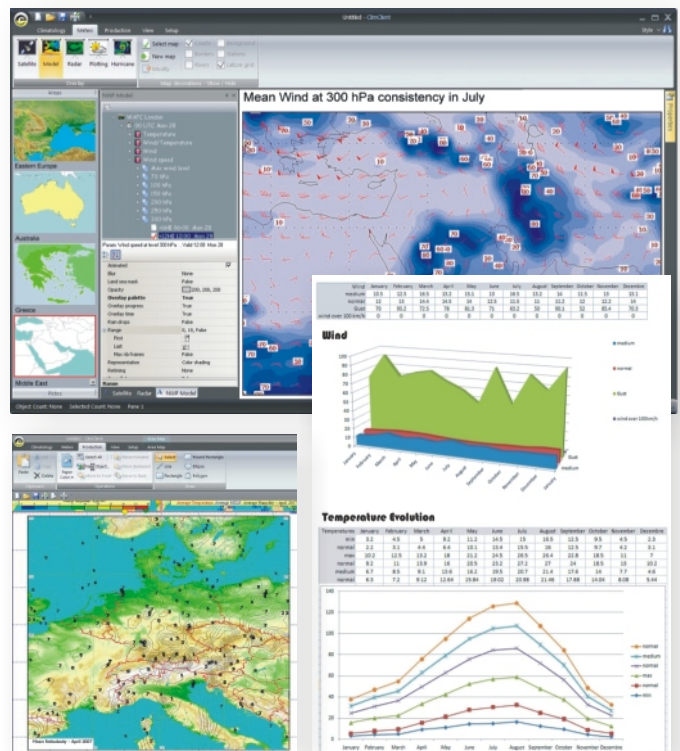
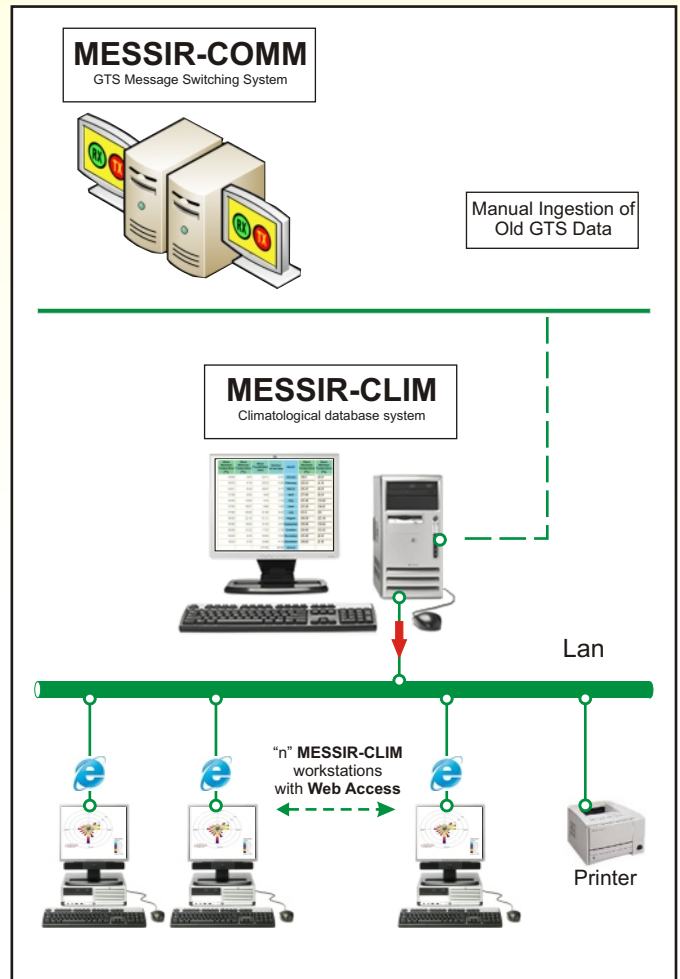
Display and print any statistics you create!

- MESSIR-CLIM allows for the preparation of products for climate-related diagnosis (means, summaries, frequencies, anomalies, normals...) on a global or regional scale. The processed information is presented as tables, maps or diagrams. The extremely flexible interface allows the user to create almost any filtering thresholds to process climatological reports. The filtering criteria usually consists of time intervals, areas, specific parameters and value criteria for selected parameters

Powerful integration tool

- **MESSIR-CLIM WORKSTATION** integrates a vast amount of information and displays:
 - Full-color historical and climatological maps including averages, minima, maxima of any parameter selected
 - Upper air diagrams and ground plotting for any station in the database
 - Temperature, wind, pressure, rain, snow, fog – whatever statistics you need!
 - You may create any combinations of filtering parameters and create your own statistics
- **MESSIR-CLIM** automatically creates CLIMAT message in TAC or TDCF form for dissemination purpose
- **MESSIR-CLIM** disseminates through your network any tables, graphs or maps created. Easy interface with MESSIR-VISION, MESSIR-AERO and MESSIR-MEDIA
- **MESSIR-CLIM** creates standard WMO statistics, including air traffic routes climatology of wind and temperature
- **MESSIR-CLIM** allows for long-term storage of ingested data and elaborated products as well as maintenance of a continuously updated catalogue of stored data and products.
- **MESSIR-CLIM** allows user to compare in quasi-real time climatological information with the latest meteorological messages available – as an example, users can compare real data and climatological fields on maps observing the anomalies directly.

In addition to the above standard features and options, our powerful in-house software development team is available to customize MESSIR-CLIM to your very needs.



Who are we?

COROBOR is a French company located in Paris, with an experience of 14 years in its market. COROBOR team is made mainly of meteorological software engineers, fully dedicated to the development of IT solutions for Meteorology and Aviation. So far, COROBOR has provided more

than 1000 MESSIR systems in more than 120 countries, including:
MESSIR-COMM - World #1 for GTS Message Switching;
MESSIR-AERO - World #1 for SADIS, ISCS, WAFS
MESSIR-VISION - World #1 for Forecaster Workstations
MESSIR-SAT - for EUMETCast, ...

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COROBOR Systèmes obtained in 2002 the ISO 9001-2000 certification for its Quality Management System, designed to ensure customer satisfaction.

