

MESSIR-AERO

Pilot Met Briefing System

SADIS WAFS ISCS OPMET

COROBOR
S y s t è m e s

October 2007

Pilots as well as other staff involved in Air Navigation need to know the meteorological conditions existing for landing, en-route, and take-off.

Indeed, it is crucial to anticipate severe weather conditions (icing, turbulences, strong winds, storms, ashes...) that can lead to flight delays, disasters and the loss of human life.

To accomplish this goal, the SADIS and ISCS WAFS satellite broadcasts, as well as other data sources, provide the necessary meteorological information worldwide.

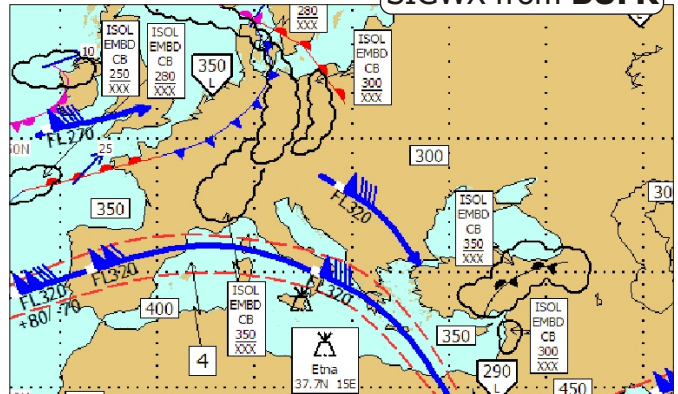
MESSIR-AERO allows you to use WAFS data and products to the maximum for an easy and efficient meteorological pre-flight briefing and planning.

MESSIR-AERO enables you to receive, store, display and print all the OPMET and charts needed by pilots, aeronautical briefing offices, and airline operators.

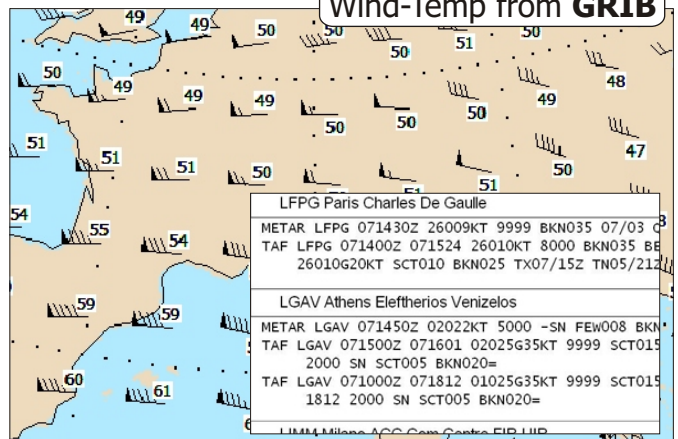
Some GOOD REASONS to choose MESSIR-AERO

- **MESSIR-AERO** is the World #1 for WAFS, SADIS, and ISCS Systems, with servers and workstations running all over the world for 10 years with no downtime.
- **MESSIR-AERO** is 100% compatible (site proven) with SADIS 2G based on the TCP/IP protocol, that will permanently replace the current SADIS 1G service.
- **MESSIR-AERO** is 100% compliant with:
 - ICAO Annex 3 15th edition (Meteorological Assistance to International Air Navigation), including Amendment 73 on OPMET format and Amendment 74 on SIGWX-BUFR format.
 - SADISOPSG evaluation criteria (May 2005 or later). Our Windows version of MESSIR-AERO will make your users' life easier.
- NOAA – NWS (the USA Met Office) uses **MESSIR-AERO** to monitor the ISCS broadcast
- The UK Met Office uses MESSIR-AERO to monitor the SADIS broadcast, and our GTS switch MESSIR-COMM to transmit SADIS data worldwide.
- COROBOR Systèmes is ISO 9001 Certified

SIGWX from BUFR



Wind-Temp from GRIB



MESSIR-AERO World #1 World #1 for WAFS, SADIS, ISCS

The most well-proven WAFS system worldwide



- The only WAFS system with more than 350 site installations in more than 75 countries
- The only ISCS system well proven in 25+ countries
- The only SADIS system well proven in 60+ countries

MESSIR-AERO Main Features

Display and print all data products!

- OPMET text data: METAR, TAF, SPECI, SIGMET, AIRMET...
- Wind, temperature, humidity, pressure, tropopause height charts prepared from GRIBs
- High level SIGWX significant weather charts (SWH) from BUFRs
- Medium level SIGWX significant weather charts (SWM) from BUFRs
- PNG-coded SIGWX charts

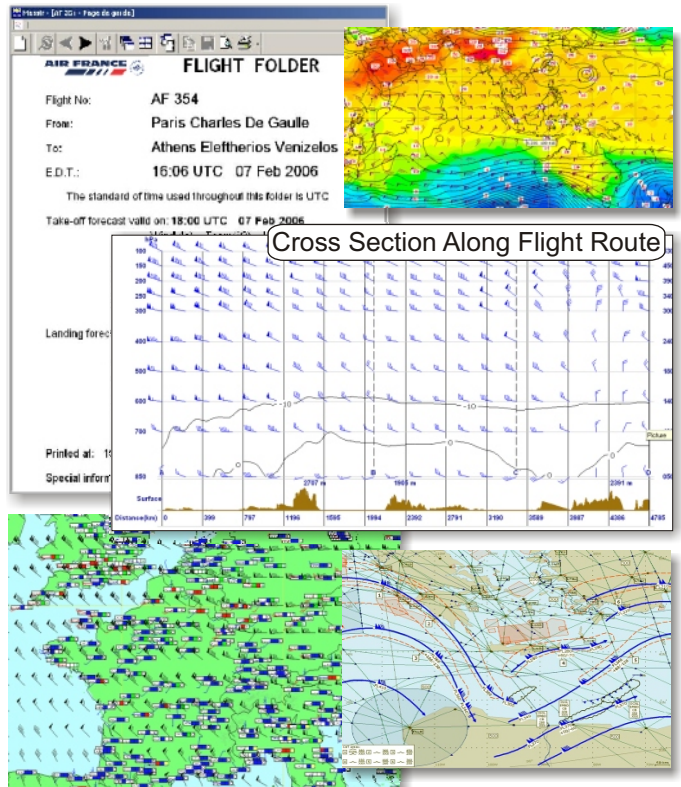
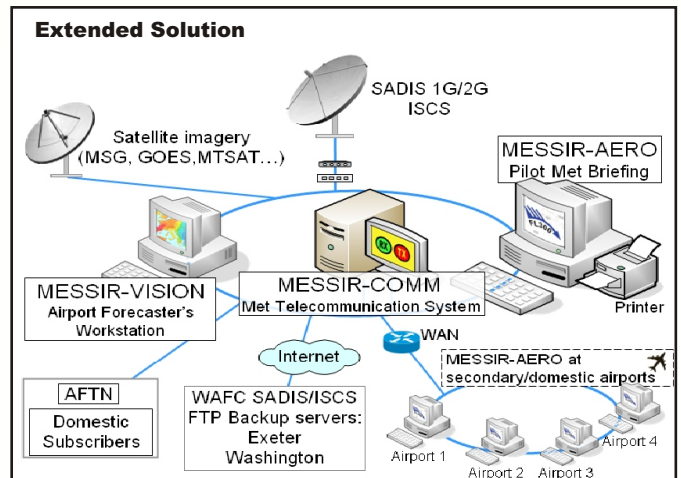
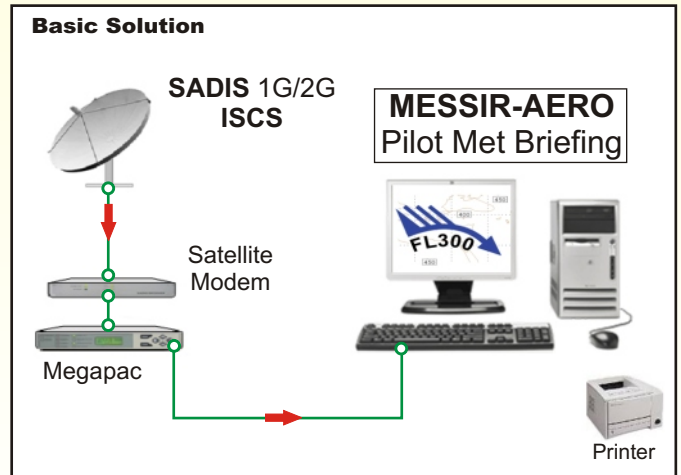
Create your Met flight folders in a single mouse click!

- Set up your routine flights only once
- Automatic generation of charts focusing on your flight route:
 - Wind-Temperature charts (from GRIBs)
 - SIGWX charts (from BUFRs)
- Automatic retrieval of OPMET text data related to airports and FIRs along the flight route.
- Automatic preparation of flight folders using FPL messages received via AFTN or AMHS for example
- GRIB-coded icing, turbulence, CAT and CB charts

Get the best of all data / products!

- Automatic generation of standard charts from GRIBs and BUFRs on ICAO standard chart formats on projections and on user-defined specific geographical areas.
- Vertical / temporal cross section
- Create charts automatically using our Image Maker module
- Data ingestion from WAFC, SADIS, ISCS, EUMETCast-MSG, GTS, FTP, WAFC London/Washington FTP backup sites...
- Rework directly on screen SIGWX charts prepared from BUFR
- Visual / sound alerts upon reception of advisories : Volcanic Ash, Cyclone Advisories...
- Easy set-up only with user-friendly menus
- Map generator allowing for standard re-projections and including various layers : airports locations, digital elevation model, FIRs, waypoints, NAVAIDS...
- Auto-archiving of flight folders according to ICAO regulations
- SIGMET watch/plotting on user-defined areas
- Remote sensing Imagery (Satellite, Radar, Lightning impacts)
- METAR / TAF color codes for easy overview of regional conditions
- MESSIR-AERO can be used as an OPMET database
- FTP and Web server functions available
- FTP and E-mail distribution functions available

In addition to the above standard features and options, our powerful in-house software development team is available to customize MESSIR-AERO 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, WAFC
- 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.

