



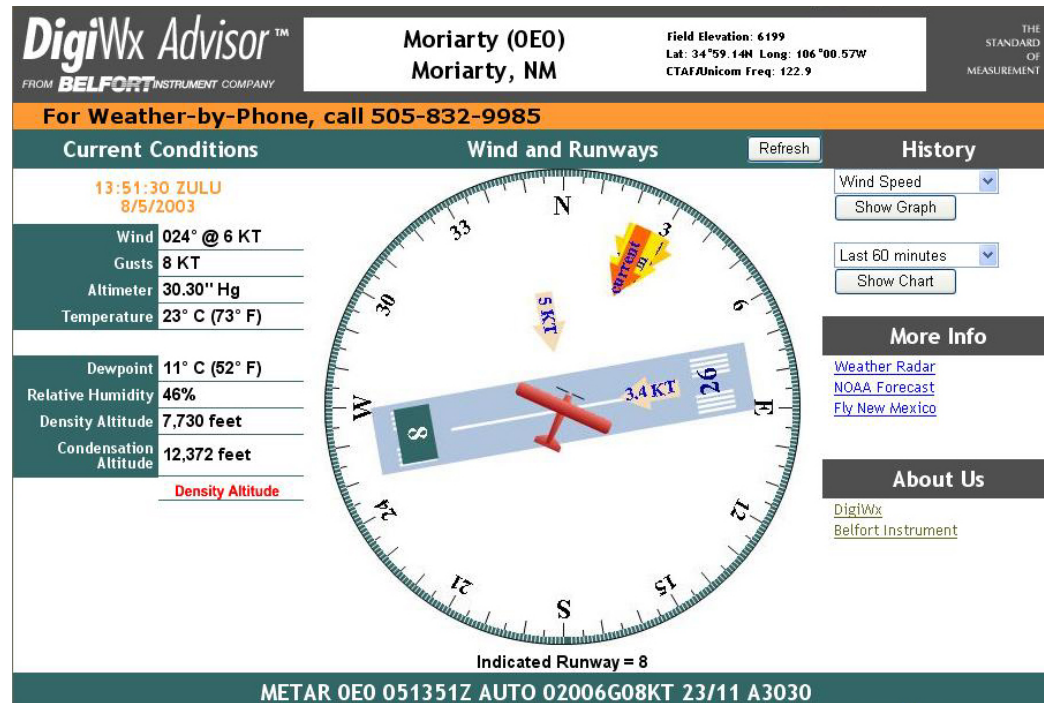
**Belfort Instrument Company**  
**Summer FPAW Surface Observation**  
**Panel**  
**Future Applications**  
**August 8, 2012**

The majority of General Aviation flying takes place within a 500 or 600 mile radius on the home airport.

Having a 90 to 180 minute forecast at the destination airport would be extremely beneficial to the GA community.



- Adding Artificial Intelligence (IA) to the AWOS to develop a Nowcasting capability could provide a 90 to 180 minute forecast for that local airport.
- Using NWS models, Persistence, the local AWOS database, and AI a very local Nowcast might be possible.



*DigiWx Advisor™*

- [www.Airportone.com](http://www.Airportone.com) has developed, and has placed in several airports, the Airport Virtual Assistant.
- The AVAS “Avatar” uses artificial intelligence (AI) to provide information and answer questions for the flying public.
- Why can’t some of this AI be adopted into the AWOS for short term NowCasting?

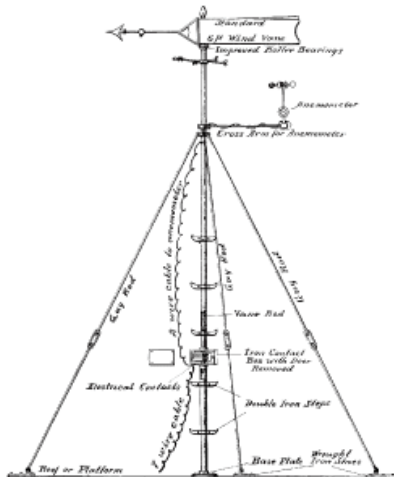






## The Wright Brothers relied on us.

December 17, 1903—Weather Station #6, Kitty Hawk, NC—Wind NE at 21 mph

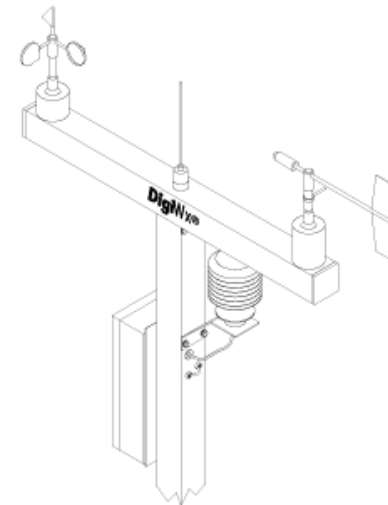


Belfort/Friez U.S. Weather Bureau Station. circa 1897-1913

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DigiWx® Automated Digital Weather System. circa 2002