Where Applicators Really Get Their Weather Information

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WRK of Arkansas LLC

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- Emertis Professor, Bio & Ag Engineering Dept. Commercial, IFR, FAAST, CFI, Ag, AU, FAAST Counselor
- AOPA, EAA, IFR, NAAA, AR, MO, OK, CO, Canada
- Comm Pest App AR, TN, KY
- Arkansas Aviation Hall Of Fame
- National Ag Aviation Hall of Fame

W R K of Arkansas

Country Air Estates

1AR9

U of A

Retired 1/31/09

UNIVERSITY OF ARKANSAS

DIVISION OF AGRICULTURE

Cooperative Extension Service

Aircraft

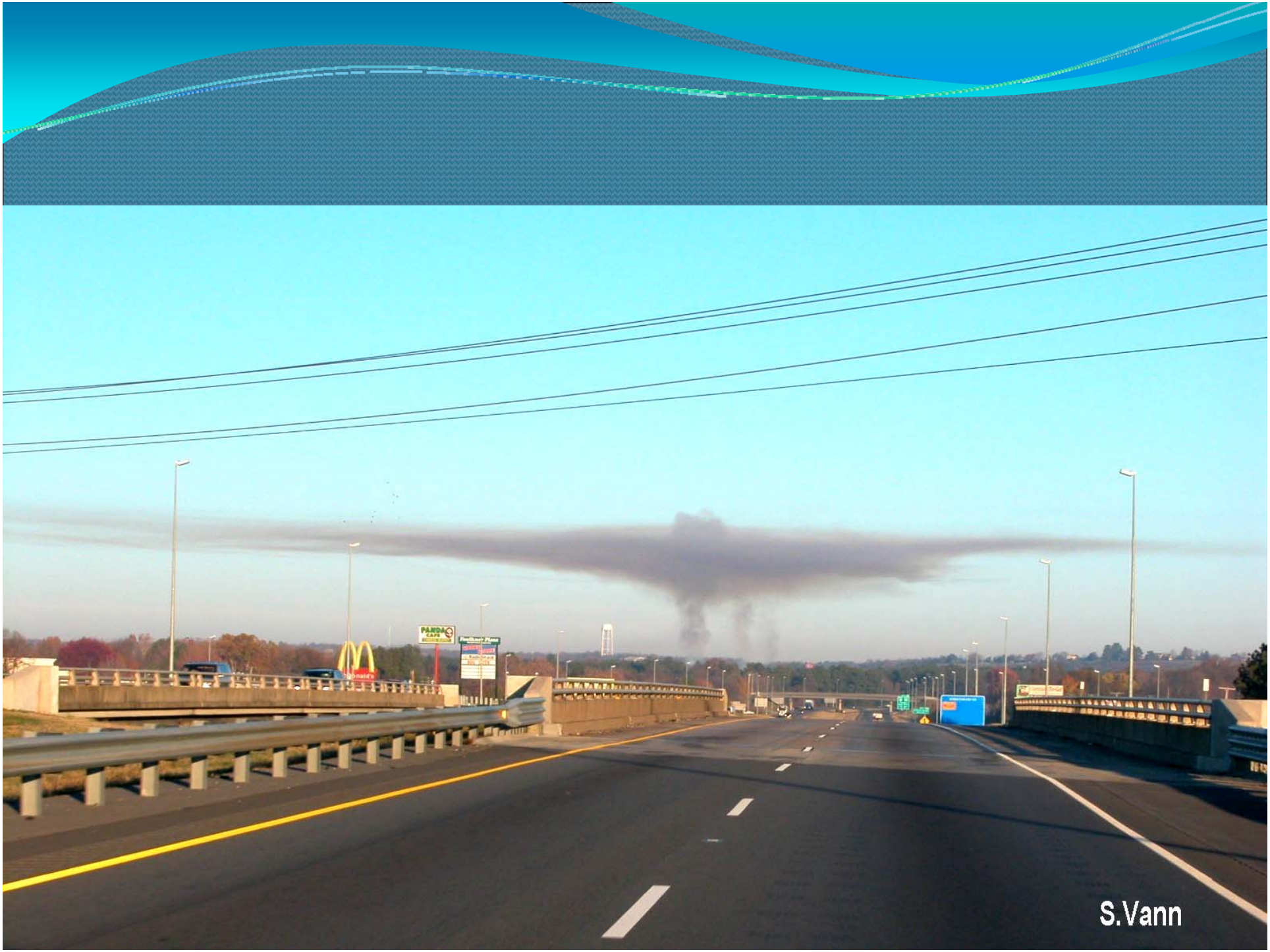
M20F/201 Exec

Beechcraft Bonanza

Weather Source Possibilities

- TV
- Internet
- Mesonet reports
- Phones with internet or WX sub
- On-board WX
- Smokers
- Hand held
- Fixed stations
- Mobile stations
- Observations

Smoke - man made or otherwise


S.Vann

Berwick Plantation - Stonebridge Subdivision, Savannah, Georgia (PWS)

Updated: 1 sec ago

60.0 °F
Overcast

Humidity:	**90%**
Dew Point:	**57 °F**
Wind:	**3.0 mph** from the **WSW**
Wind Gust:	**6.0 mph**
Pressure:	**29.81 in (Steady)**
Visibility:	**10.0 miles**
UV:	**0** out of 16
Clouds:	**Scattered Clouds 8000 ft** **Mostly Cloudy 9000 ft** **Overcast 11000 ft** (Above Ground Level)
Elevation:	**14 ft**

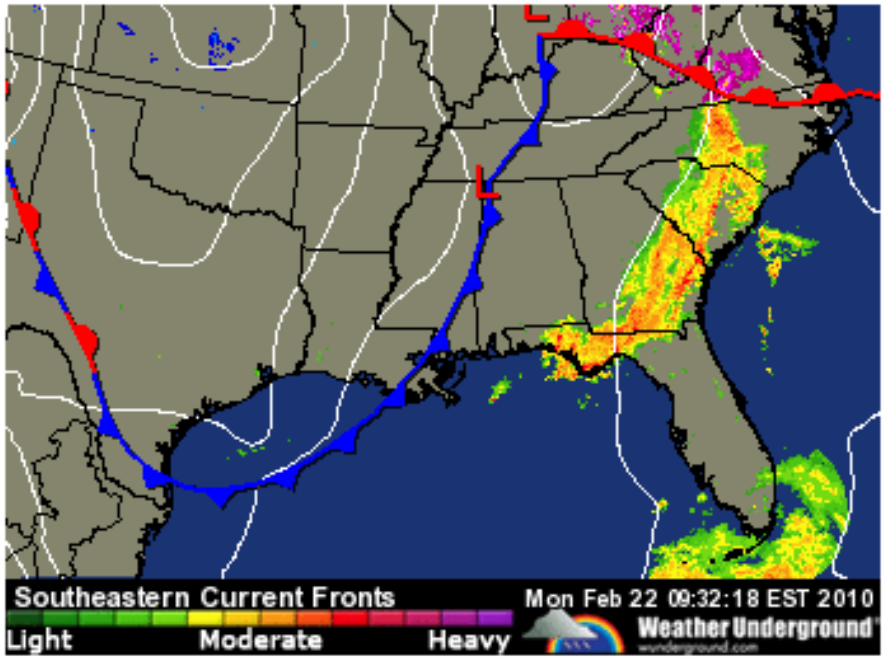
Rapid Fire Updates:

(•) Enable ( ) Disable

Source for Current Conditions:

(•) PWS & Airport ( ) Airport Only

- Local Radar
- WunderMap
- Regional Radar
- Local Satellite
- Marine Forecast
- Ski Conditions
- Trip Planner
- Weather Stations



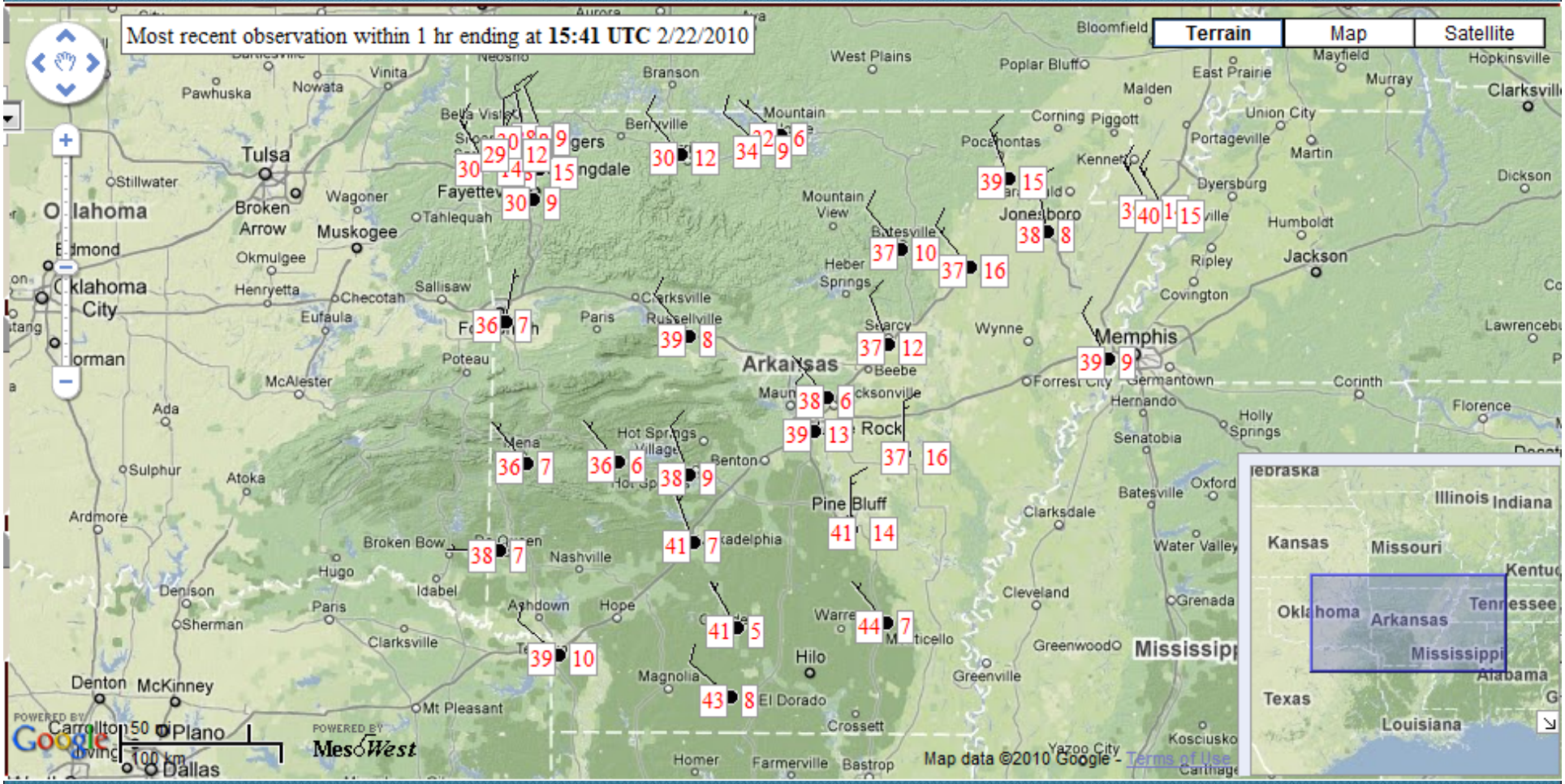
Updated 2:32 PM GMT on February 22, 2010

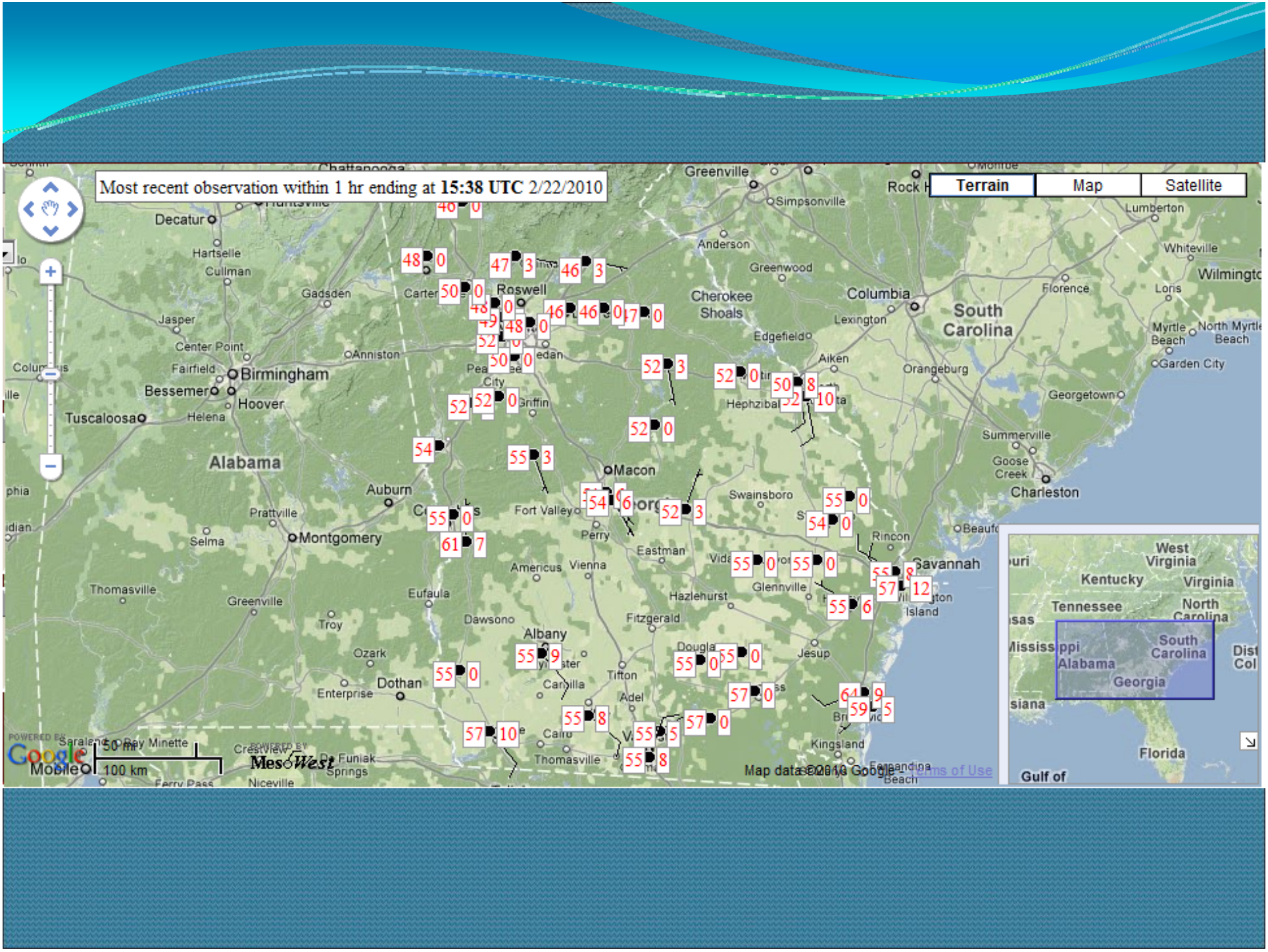
5-Day Forecast for ZIP Code 31322 Customize Your Icon

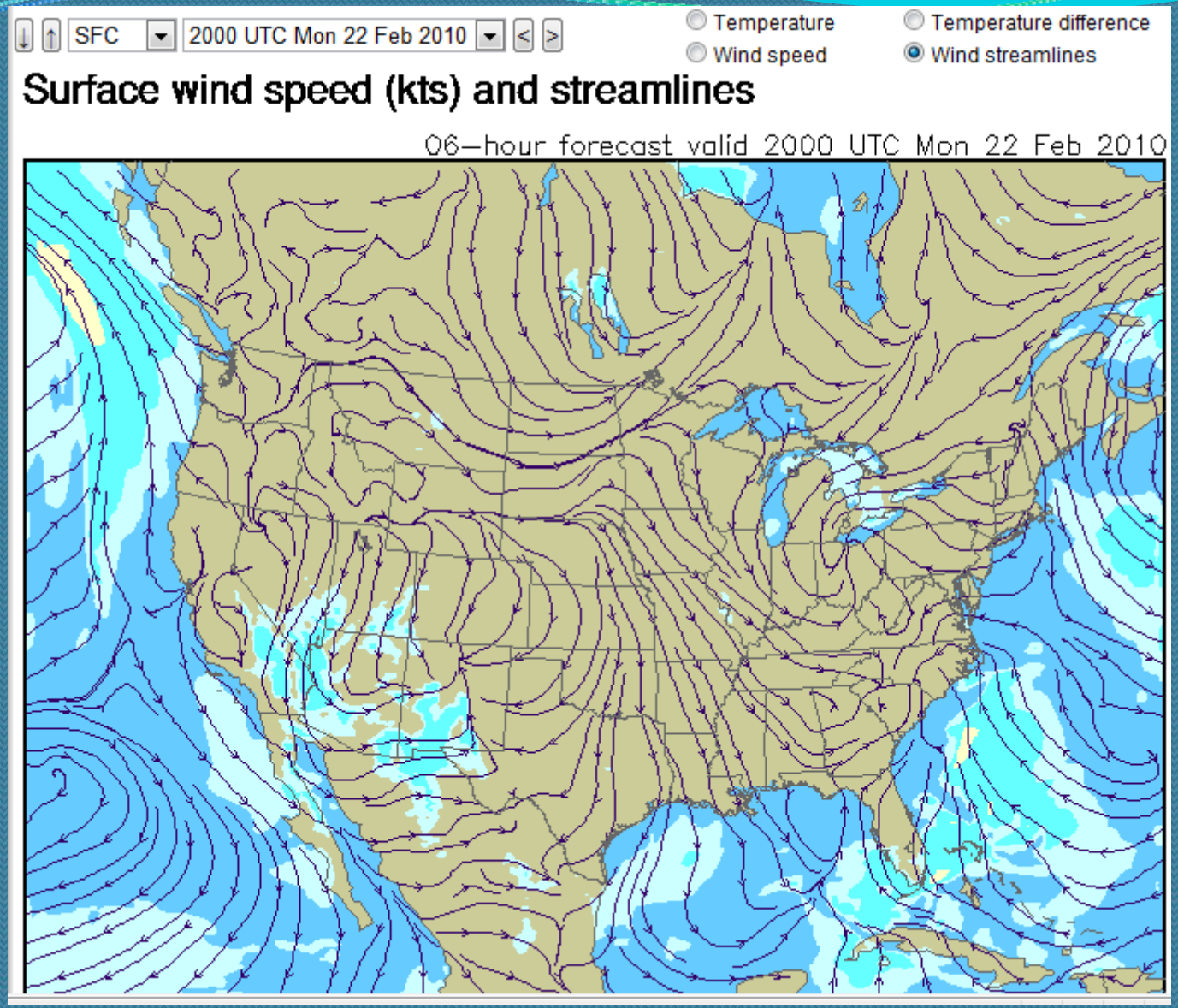
Monday	Tuesday	Wednesday	Thursday	Friday
63° F | 49° F	68° F | 41° F	58° F | 31° F	52° F | 29° F	58° F | 31° F
T-storms 90% chance of precipitation	Partly Cloudy	Chance of Rain 30% chance of precipitation	Clear	Clear
Hourly	Hourly	Hourly	Hourly	Hourly

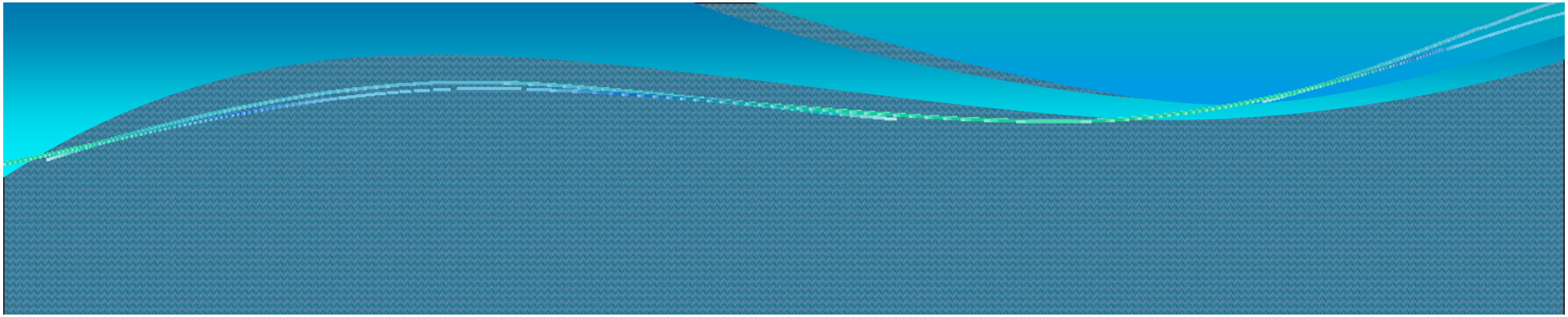
Hourly Observations

Time (EST):	Temp.:	Dew Point:	Humidity:	Sea Level Pressure:	Visibility:	Wind Dir:	Wind Speed:	Gust Speed:	Precip:	Events:	Conditions:
12:53 AM	50.0 °F	46.9 °F	89%	29.94 in	9.0 miles	East	3.5 mph	-	N/A		Scattered Clouds
1:53 AM	48.9 °F	46.9 °F	93%	29.92 in	7.0 miles	East	3.5 mph	-	N/A		Mostly Cloudy
2:53 AM	52.0 °F	48.0 °F	86%	29.89 in	10.0 miles	SE	3.5 mph	-	N/A		Overcast
3:53 AM	54.0 °F	50.0 °F	86%	29.86 in	10.0 miles	ESE	4.6 mph	-	N/A		Overcast
4:53 AM	55.0 °F	51.1 °F	86%	29.84 in	10.0 miles	ESE	4.6 mph	-	N/A		Overcast
5:53 AM	57.9 °F	55.0 °F	90%	29.83 in	10.0 miles	SSE	8.1 mph	-	N/A		Overcast
6:53 AM	59.0 °F	53.1 °F	81%	29.82 in	10.0 miles	SSE	11.5 mph	-	0.00 in		Overcast
7:53 AM	59.0 °F	53.1 °F	81%	29.82 in	10.0 miles	SSW	8.1 mph	-	N/A		Overcast


Most recent observation within 1 hr ending at 15:41 UTC 2/22/2010
Terrain
Map
Satellite
Tulsa
Oklahoma City
Arkansas
Memphis
Pine Bluff
Rock
Fayetteville
Jonesboro
Hot Springs
Texarkana
Dallas
Plano
McKinney
Denton
Sherman
Ardmore
Broken Arrow
Muskogee
Bentonville
Branson
West Plains
Poplar Bluff
Paris
Clarksville
Russellville
Conway
Searcy
Batesville
Jackson
Memphis
Hilo
Magnolia
El Dorado
Crossett
Greenville
Cleveland
Greenwood
Clarksdale
Oxford
Tupelo
Corinth
Map data ©2010 Google - Terms of Use
Google
MesoWest
50 mi
100 km

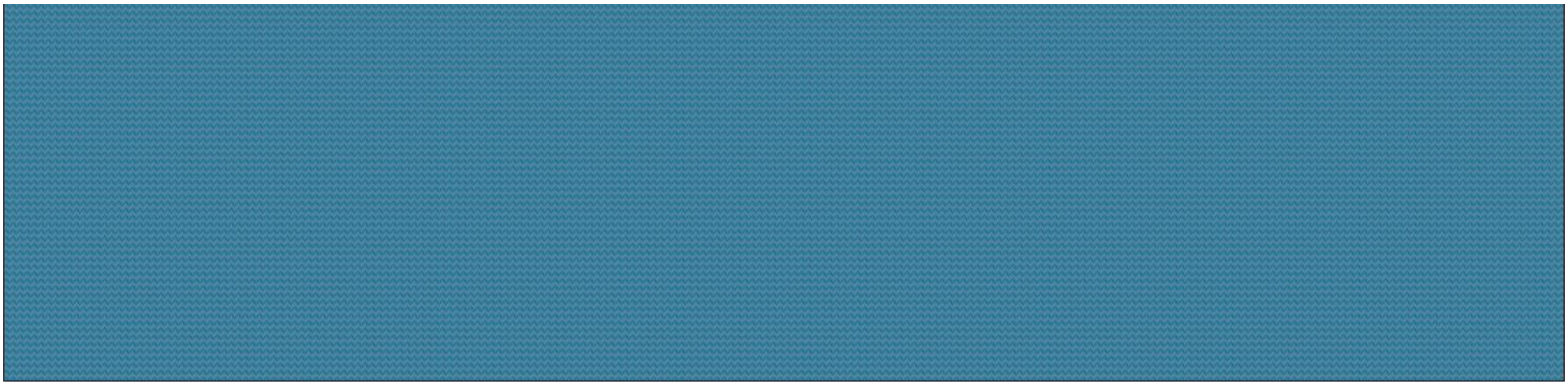

Most recent observation within 1 hr ending at 15:38 UTC 2/22/2010
Terrain
Map
Satellite
Decatur
Hartselle
Cullman
Gadsden
Jasper
Center Point
Fairfield
Birmingham
Bessemer
Hoover
Tuscaloosa
Helena
Alabama
Anniston
Roswell
Carter
Cherokee Shoals
Greenville
Simpsonville
Anderson
Greenwood
Columbia
Lexington
Edgefield
Aiken
Orangeburg
South Carolina
Florence
Lumberton
Whiteville
Wilmington
Loris
Myrtle Beach
North Myrtle Beach
Garden City
Georgetown
Summerville
Goose Creek
Charleston
Rock Hill
Auburn
Prattville
Montgomery
Selma
Macon
Fort Valley
Perry
Swainsboro
Rincon
Savannah
Eastman
Americus
Vienna
Glennville
Hazlehurst
Fitzgerald
Dawsonville
Albany
Douglas
Jesup
Tifton
Adel
Cairo
Thomasville
Kingsland
Fernandina Beach
Eufaula
Troy
Ozark
Dothan
Enterprise
Greenville
Thomasville
Mobile
Saraland
Bay Minette
Crestview
Niceville
Ferry Pass
Destin
Florida
Gulf of
West Virginia
Kentucky
Virginia
Tennessee
North Carolina
South Carolina
Georgia
Alabama
Mississippi
50 mi
100 km
Map data ©2010 Google
Terms of Use


SFC
2000 UTC Mon 22 Feb 2010
Temperature
Temperature difference
Wind speed
Wind streamlines
Surface wind speed (kts) and streamlines
06–hour forecast valid 2000 UTC Mon 22 Feb 2010



Airport	Time	Vis.	Wx.	Sky Cover	Wind	Temp.	Dew Pt.	Alt	Rmks
KSAV	2/22 10:46am EST	2 ½ sm	heavy rain, mist	few 500 scattered 3100 overcast 4400	310° (NW) at 8 kts	55°F	54°F	29.87"	PK WND 28027/1504 TSE23 TS MOV NE

Airport	Forecast				
KSAV	**Issued:** 2/22 8:38am EST; **Valid:** 2/22 9am to 2/23 7am				
	from 9am	210° (S/SW) at 7 kts	6+ sm		scattered 3500 overcast 7000
	from 9am	210° (S/SW) at 8 kts	4 sm	rain showers, mist, thunderstorm in vicinity	scattered 1000 overcast 2500CB
	between 9am and 11am, occasionally		1 sm	thunderstorm heavy rain, mist	scattered 600 broken 1500CB
	from 2pm	240° (W/SW) at 8 kts	6 sm	light rain showers, mist	scattered 800 overcast 1500
	from 6pm	240° (W/SW) at 5 kts	6 sm	mist	overcast 800
	from 9pm	320° (NW) at 4 kts	2 sm	mist	overcast 300



Drift Potential May be High at Low Wind Speeds

- Because:
  - Light winds (0-3 mph) tend to be unpredictable and variable in direction.
  - Calm and low wind conditions may indicate presence of a temperature inversion.
- Drift potential is lowest at wind speeds between 3 and 10 mph (gentle but steady breeze) blowing in a safe direction.

Kestrel® 3000
Pocket Weather Meter

Kestrel® 2000
Pocket Thermo Wind™ Meter

Kestrel® 1000
Pocket Wind Meter

Coming in January 2007:

WatchDog

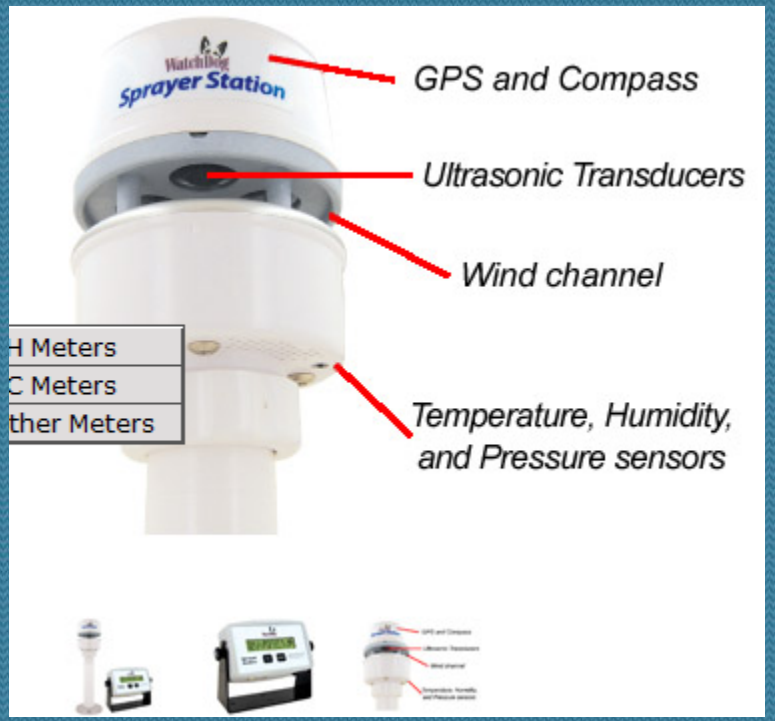
Sprayer Station

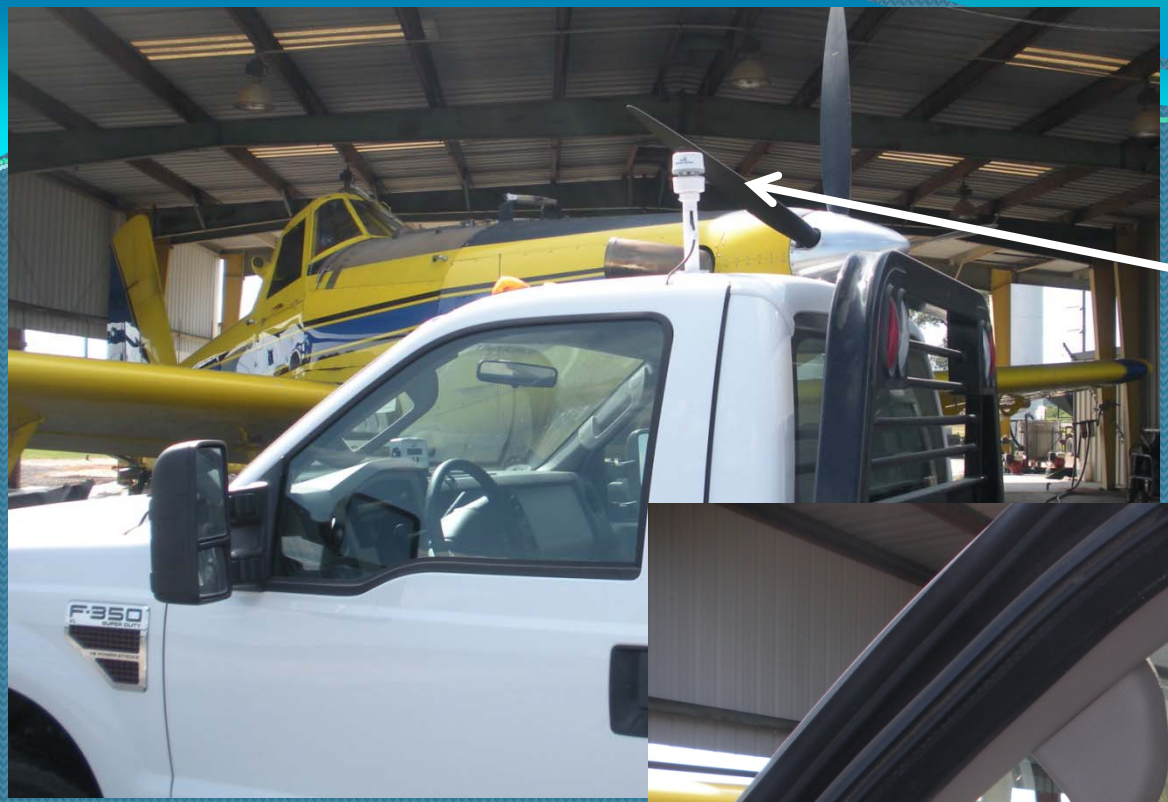
On-The-Go-Weather

The compact all-in-one weather station that measures air temperature, humidity, wind chill, barometric pressure, and apparent wind speed & direction.

Read More

www.specmeters.com





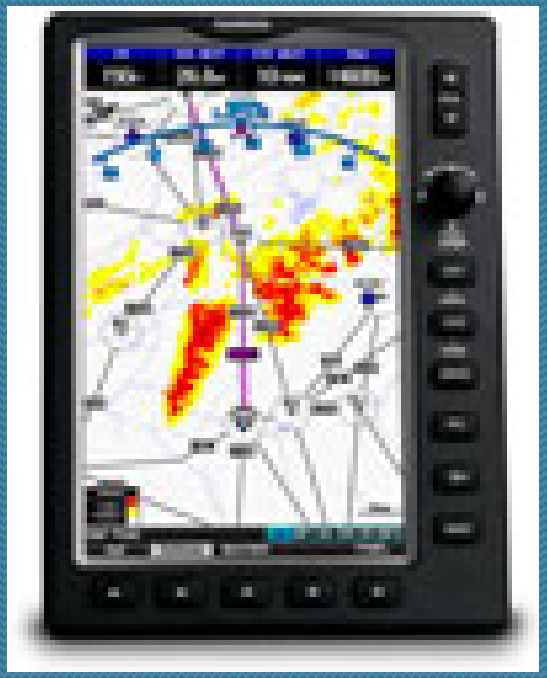
Weather Station

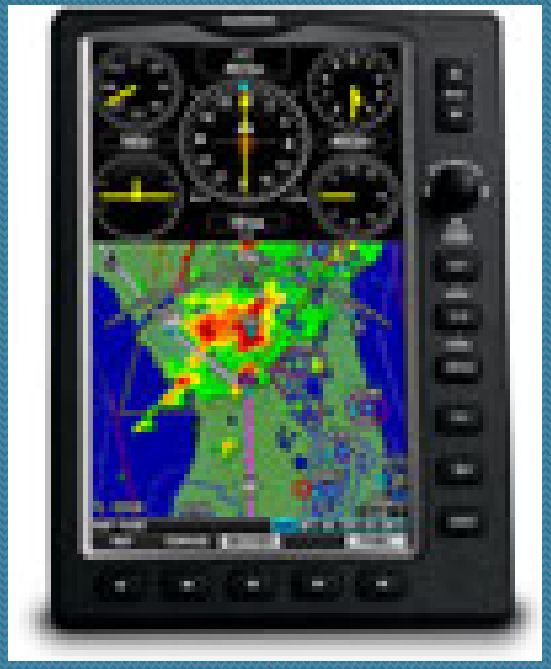
GPS recorder

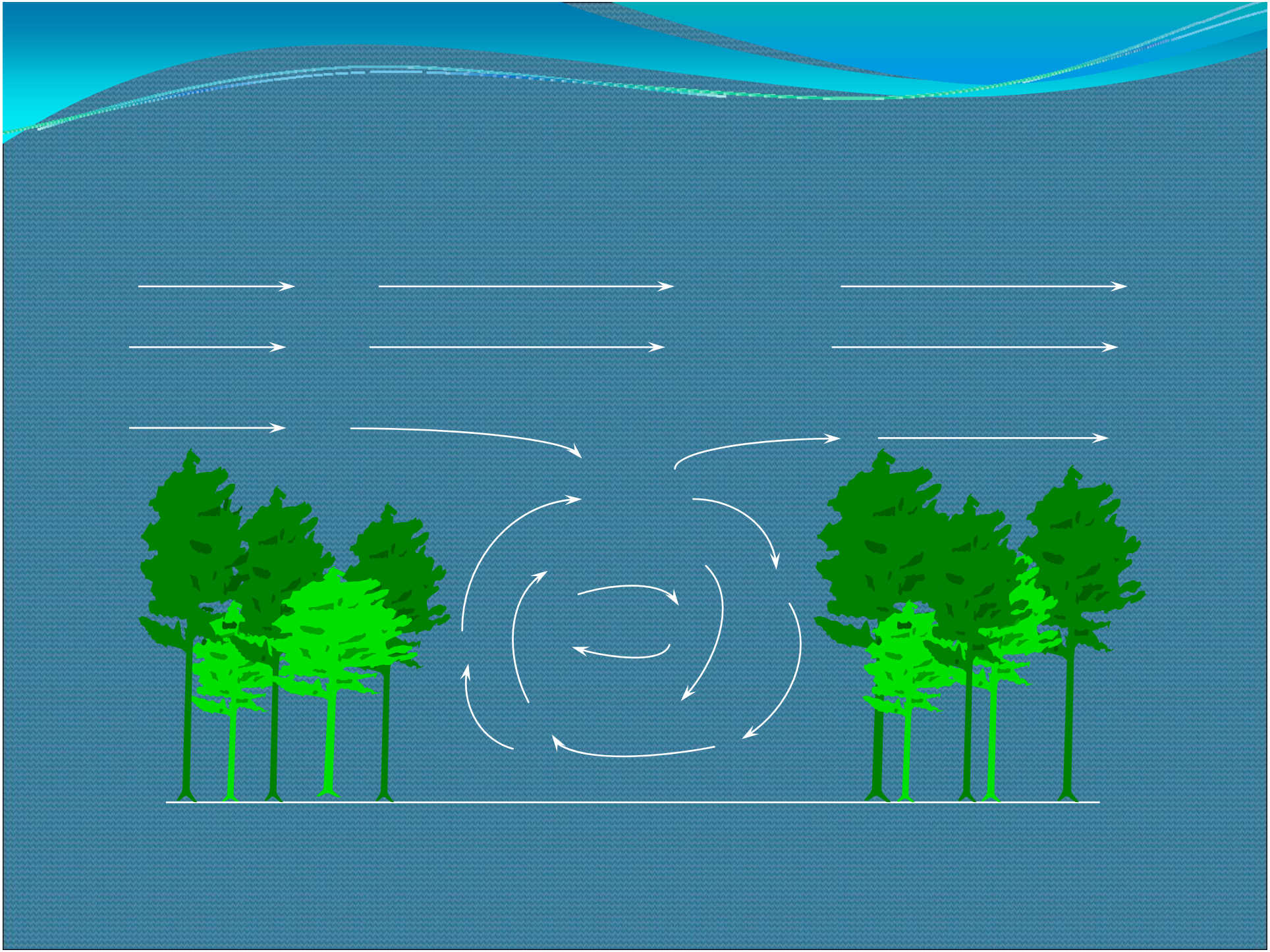
AIMMS - 20

WX weather

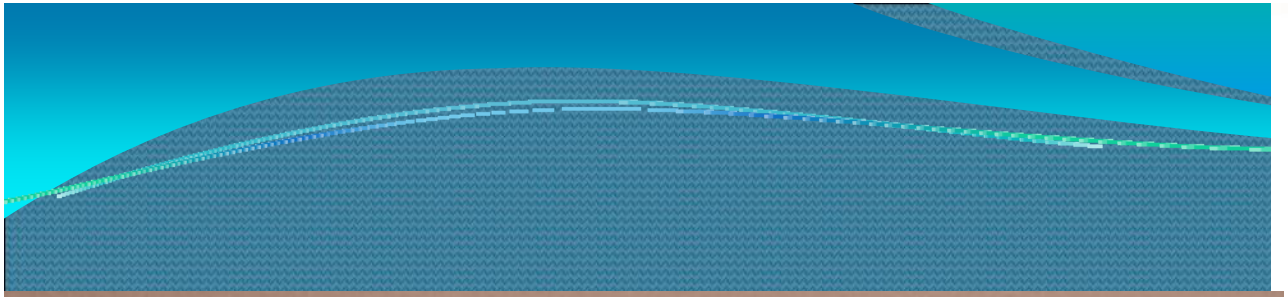
ATC
4.3" Screen
iPAQ 210
4" Screen
Anywhere SST Duo
7" Screen
Motion LE1700
12.1" Screen







Not every aircraft can be patterned!



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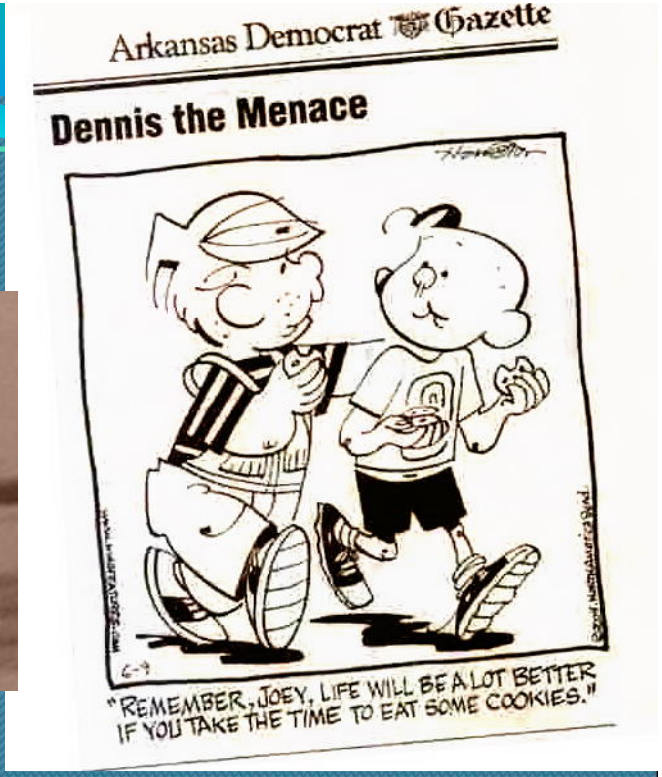
Arkansas Democrat Gazette
Dennis the Menace
"REMEMBER, JOEY, LIFE WILL BE A LOT BETTER IF YOU TAKE THE TIME TO EAT SOME COOKIES."

Beware of low flying aircraft
OUTDOOR SYSTEMS
Worth1000.com

Don’t overload your … “Donkey”!

Thank You!

Questions??