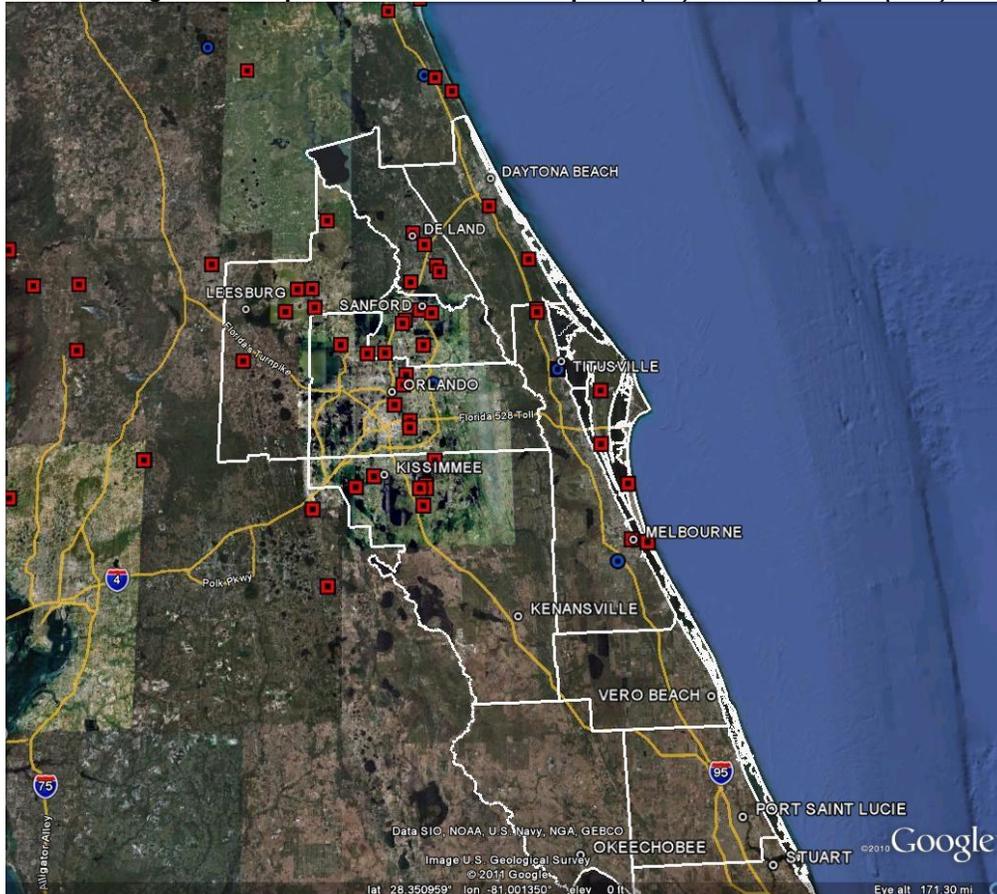


## Widespread Wind Damage from Squall Line 03-30-11

A low pressure center was developing near the central Gulf coast early in the day and moved east along the Florida Gulf coast. A robust convective complex developed over the eastern Gulf to the south of the low and pushed a squall line across the peninsula. Widespread reports of wind damage along with hail up to two inches in diameter were reported across east central Florida during the late afternoon and early evening hours. The highest wind gusts were from Orlando Executive Airport with 74 mph, and a Kennedy Space Center wind tower (at 54 feet) with 85 mph. In addition to the two inch diameter hail in southern Brevard county, several other hail reports were received, a few with diameters the size of a quarter.

The image below depicts locations of wind reports (red) and hail reports (blue).



The following hail photos and video in Palm Bay, Brevard Co. are courtesy of Skywarn spotter Aaron Mitchell:



**The following damage photos in Seminole County are courtesy of Seminole County Emergency Management:**



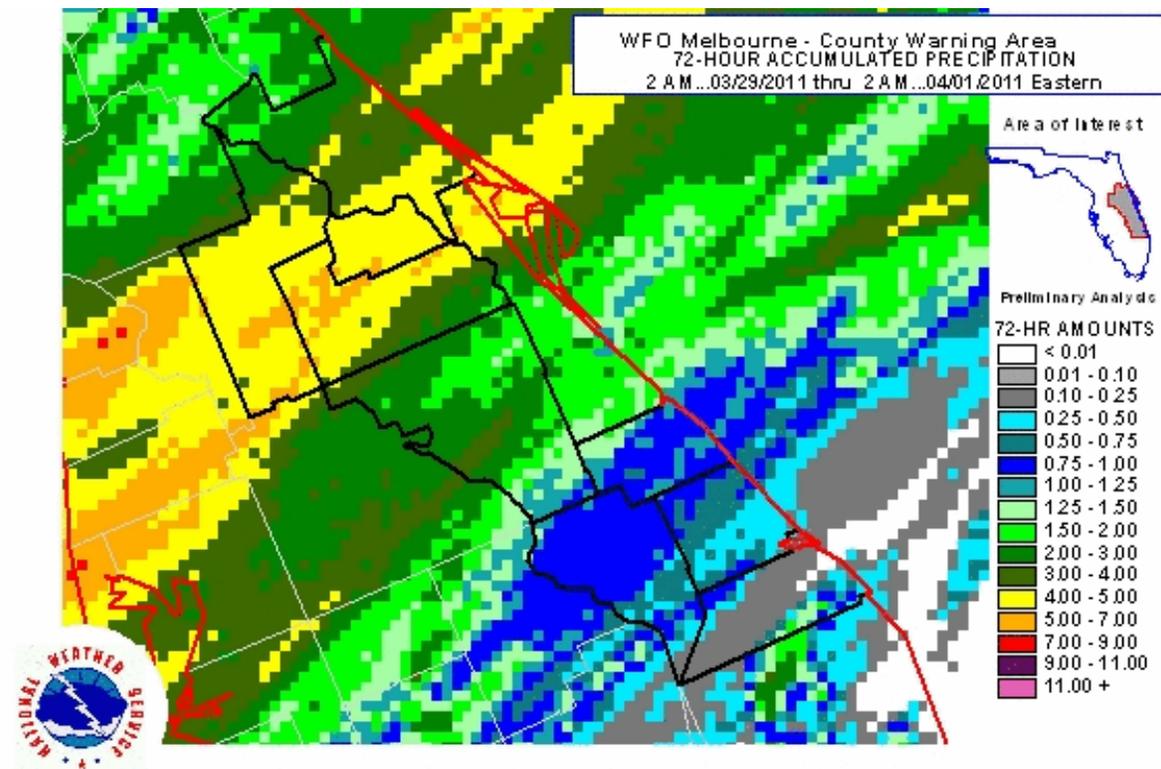
***The following damage photos in Osceola County are courtesy of Osceola County Emergency Management:***



*The following damage photos in Brevard County are courtesy of Florida Today Newspaper:*

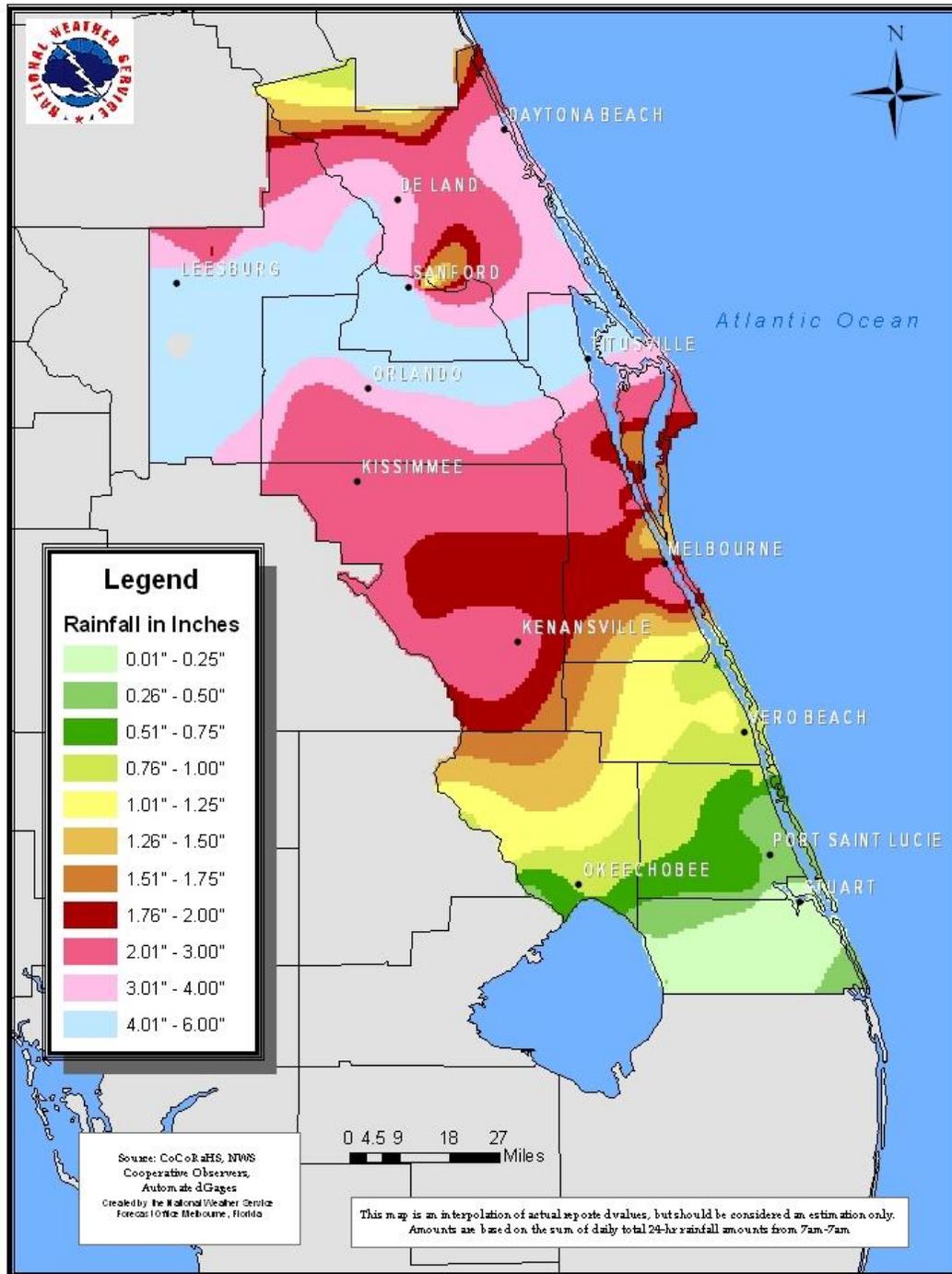


The gage analysis image below indicates distribution of heavy rains (the heaviest amounts fell on 3/30-3/31):



*Produced by the Southeast River Forecast Center*

# March 30-31, 2011 Rainfall Totals



**The following reports for 3/30 were issued in a Local Storm Report (LSR) by the National Weather Service in Melbourne:**

000  
NWUS52 KMLB 310106  
LSRMLB

PRELIMINARY LOCAL STORM REPORT...SUMMARY  
NATIONAL WEATHER SERVICE MELBOURNE FL  
906 PM EDT WED MAR 30 2011

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0410 PM 03/30/2011	HAIL E0.88 INCH	5 W MALABAR BREVARD	28.00N 80.66W FL TRAINED SPOTTER
SPOTTER REPORTED NICKEL HAIL POUNDING HIS HOUSE.			
0415 PM 03/30/2011	HAIL E2.00 INCH	5 WNW MALABAR BREVARD	28.02N 80.66W FL TRAINED SPOTTER
SPOTTER REPORTED HAIL UP TO 2 INCHES AND STRONG WINDS.			
0415 PM 03/30/2011	TSTM WND GST M56.00 MPH	LEESBURG LAKE	28.81N 81.88W FL ASOS
KLEE ASOS AT LEESBURG AIRPORT MEASURED 49 KT/56 MPH WIND GUST.			
0415 PM 03/30/2011	TSTM WND DMG	5 N MASCOTTE LAKE	28.65N 81.88W FL TRAINED SPOTTER
MULTIPLE LARGE TREE LIMBS DOWN.			
0418 PM 03/30/2011	TSTM WND DMG	MELBOURNE BEACH BREVARD	28.07N 80.56W FL BROADCAST MEDIA
ROOF RIPPED OFF HOUSE. TIME IS ESTIMATED BY RADAR.			
0420 PM 03/30/2011	TSTM WND DMG	1 NNW EUSTIS LAKE	28.87N 81.70W FL TRAINED SPOTTER
VERY LARGE OAK TREE UPROOTED. MULTIPLE 4 TO 5 INCH DIAMETER BRANCHES ON THE GROUND.			
0423 PM 03/30/2011	TSTM WND DMG	PLYMOUTH ORANGE	28.69N 81.55W FL PUBLIC
TREES AND POWER LINES DOWN. GREENHOUSE DAMAGED.			
0430 PM 03/30/2011	TSTM WND DMG	2 NE EUSTIS LAKE	28.87N 81.65W FL TRAINED SPOTTER
ONE TREE DOWN			
0430 PM 03/30/2011	TSTM WND DMG	MOUNT DORA LAKE	28.81N 81.64W FL TRAINED SPOTTER
ONE LARGE TREE DOWN ON ROUTE 46.			
0435 PM 03/30/2011	TSTM WND DMG	DEBARY VOLUSIA	28.88N 81.31W FL PUBLIC

2 TREES DOWN.

0439 PM TSTM WND GST 4 W ALTAMONTE SPRINGS 28.66N 81.46W  
03/30/2011 E60.00 MPH ORANGE FL TRAINED SPOTTER

ESTIMATED 60+ MPH SUSTAINED WINDS. TREE LIMBS DOWN AND  
POWER OUT.

0440 PM TSTM WND DMG TAVARES 28.80N 81.74W  
03/30/2011 LAKE FL PUBLIC

MULTIPLE TREES DOWN ON ACORN COURT.

0440 PM TSTM WND DMG TITUSVILLE 28.59N 80.82W  
03/30/2011 BREVARD FL PUBLIC

2-3 TREES DOWN ON I-95 SOUTH OF GARDEN ST.

0444 PM TSTM WND GST 3 WNW AZALEA PARK 28.56N 81.34W  
03/30/2011 M74.00 MPH ORANGE FL ASOS

KORL AT ORLANDO EXECUTIVE AIRPORT MEASURED 65 KT/74 MPH  
WIND GUST.

0445 PM TSTM WND DMG SANFORD 28.79N 81.28W  
03/30/2011 SEMINOLE FL PUBLIC

FENCE BLOWN ACROSS THE ROAD AND FIBERGLASS TABLETOP BLOWN  
OFF. FENCE POSTS SNAPPED OFF.

0445 PM TSTM WND DMG ORLANDO 28.50N 81.37W  
03/30/2011 ORANGE FL PUBLIC

ONE TREE DOWN AT GOLDENROD AND SUNVISTA ROADS.

0445 PM TSTM WND DMG ALTAMONTE SPRINGS 28.66N 81.40W  
03/30/2011 SEMINOLE FL TRAINED SPOTTER

TREES DOWN AT NORTH ST AND SUNILAND ST BLOCKING ROADWAY.

0445 PM TSTM WND DMG WINTER SPRINGS 28.68N 81.27W  
03/30/2011 SEMINOLE FL EMERGENCY MNGR

11 HOMES DAMAGED NEAR LA VISTA DR. 3 HOUSES HAD SEVERE  
DAMAGE, OTHERS WERE MODERATELY DAMAGED.

0445 PM HAIL UNION PARK 28.56N 81.24W  
03/30/2011 E1.00 INCH ORANGE FL TRAINED SPOTTER

NICKEL SIZE HAIL WITH QUARTER SIZE MIXED IN AT WATERFORD  
LAKES SHOPPING CENTER.

0445 PM TSTM WND DMG MELBOURNE BEACH 28.07N 80.56W  
03/30/2011 BREVARD FL EMERGENCY MNGR

BACK PORCH BLOWN OFF HOME.

0445 PM TSTM WND DMG LAKE MARY 28.76N 81.33W  
03/30/2011 SEMINOLE FL BROADCAST MEDIA

TREES DOWN ON 5 CARS IN WOFL PARKING LOT.

0447 PM TSTM WND DMG DEBARY 28.88N 81.31W  
03/30/2011 VOLUSIA FL PUBLIC

ONE 7-INCH DIAMETER TREE DOWN ALONG WITH NUMEROUS LIMBS  
ON SEMINOLE DR.

0447 PM TSTM WND DMG DEBARY 28.88N 81.31W  
03/30/2011 VOLUSIA FL PUBLIC

TWO LARGE TREES DOWN ON A HOME ON SMYRNA DRIVE.

0448 PM TSTM WND GST 4 NNW LAKE JESSUP 28.78N 81.24W  
03/30/2011 M65.00 MPH SEMINOLE FL ASOS

KSFB AT ORLANDO SANFORD AIRPORT MEASURED 57 KT/65 MPH  
WIND GUST.

0448 PM TSTM WND GST 5 S CONWAY 28.43N 81.32W  
03/30/2011 M60.00 MPH ORANGE FL ASOS

KMCO AT ORLANDO INTERNATIONAL AIRPORT MEASURED 53 KT/60  
MPH WIND GUST.

0450 PM TSTM WND DMG DELAND 29.04N 81.30W  
03/30/2011 VOLUSIA FL TRAINED SPOTTER

TREE DOWN PARTIALLY BLOCKING ROAD ON 2ND STREET AT CYPRUS  
ST.

0450 PM TSTM WND GST 5 ENE INTERCESSION CITY 28.29N 81.44W  
03/30/2011 M58.00 MPH OSCEOLA FL AWOS

KISM AT KISSIMMEE AIRPORT MEASURED 51 KT/58 MPH WIND  
GUST.

0452 PM TSTM WND DMG 2 NNW DELTONA 28.93N 81.22W  
03/30/2011 VOLUSIA FL TRAINED SPOTTER

2 TREES UPROOTED WITH DIAMETERS UP TO ABOUT 6 INCHES.

0455 PM TSTM WND DMG 5 SE ORLANDO 28.45N 81.32W  
03/30/2011 ORANGE FL PUBLIC

CAR PORT COLLAPSED AND ROOF DAMAGE ON KINGFISH ST. TIME  
ESTIMATED BY RADAR.

0455 PM TSTM WND DMG DELTONA 28.91N 81.21W  
03/30/2011 VOLUSIA FL TRAINED SPOTTER

TREE LIMBS ACROSS ROAD AT INTERSECTION OF COURTLAND AND  
DOYLE.

0455 PM TSTM WND DMG 1 SE WINTER PARK 28.59N 81.33W  
03/30/2011 ORANGE FL PUBLIC

ONE LARGE OAK TREE UPROOTED AT CORNER OF DUNBLANE AND  
WHITEHALL. TIME ESTIMATED BY RADAR.

0500 PM HAIL BITHLO 28.57N 81.11W  
03/30/2011 E0.75 INCH ORANGE FL PUBLIC

PENNY SIZE HAIL ON CHULUOTA RD.

0503 PM HAIL 5 ENE ORLANDO INTERNATI 28.45N 81.24W  
03/30/2011 E0.70 INCH ORANGE FL PUBLIC

DIME HAIL AT FL-528 AND FL-417.

0505 PM TSTM WND DMG 1 NNW SCOTTSMOOR 28.78N 80.88W  
03/30/2011 BREVARD FL PUBLIC

THIGH-SIZED LIMBS DOWN. WINDS ESTIMATED AT 70 MPH.

0507 PM TSTM WND DMG 5 WNW LADY LAKE 28.96N 82.00W  
03/30/2011 MARION FL PUBLIC

MULTIPLE TREES DOWN

0508 PM TSTM WND GST DAYTONA BEACH 29.21N 81.03W  
03/30/2011 M46.00 MPH VOLUSIA FL ASOS

KDAB AT DAYTONA BEACH AIRPORT MEASURED 40 KT/46 MPH WIND GUST.

0509 PM TSTM WND DMG 2 S EDGEWATER 28.94N 80.90W  
03/30/2011 VOLUSIA FL EMERGENCY MNGR

NUMEROUS LARGE OAK TREES DOWN OVER A 1/4 MILE RADIUS.  
TIME ESTIMATED BY RADAR.

0510 PM TSTM WND DMG 3 SSE SAINT CLOUD 28.20N 81.28W  
03/30/2011 OSCEOLA FL FIRE DEPT/RESCUE

ALUMINUM CANOPY TRIM DAMAGED AT FIRE STATION. TIME ESTIMATED BY RADAR.

0510 PM TSTM WND DMG 4 SSE EAST LAKE TOHO 28.25N 81.27W  
03/30/2011 OSCEOLA FL FIRE DEPT/RESCUE

LARGE TREE DOWN ON A HOUSE AND POWERLINES ON DELAWARE AVE. TIME ESTIMATED BY RADAR.

0510 PM TSTM WND DMG 5 SSE CELEBRATION 28.26N 81.50W  
03/30/2011 OSCEOLA FL EMERGENCY MNGR

TREE ON HOUSE ON OLD TAMPA HWY RD.

0512 PM TSTM WND DMG 3 ENE EAST LAKE TOHO 28.33N 81.24W  
03/30/2011 OSCEOLA FL EMERGENCY MNGR

TREE ON HOME ON MARINA DR.

0512 PM TSTM WND DMG 3 S EAST LAKE TOHO 28.25N 81.29W  
03/30/2011 OSCEOLA FL FIRE DEPT/RESCUE

SCREEN PORCH ROOF BLOWN OFF AND WALLS BLOWN IN ON VERMONT AVE. TIME ESTIMATED BY RADAR.

0512 PM TSTM WND DMG 3 SSE EAST LAKE TOHO 28.26N 81.27W  
03/30/2011 OSCEOLA FL FIRE DEPT/RESCUE

TREE DOWN ON POWERLINES ON 3RD ST. TIME ESTIMATED BY RADAR.

0515 PM HAIL TITUSVILLE 28.59N 80.82W  
03/30/2011 E1.00 INCH BREVARD FL TRAINED SPOTTER

REPORT OF QUARTER SIZED HAIL ON THE A1A BRIDGE.

0516 PM HAIL TITUSVILLE 28.59N 80.82W  
03/30/2011 E0.75 INCH BREVARD FL PUBLIC

0519 PM TSTM WND GST KENNEDY SPACE CENTER 28.52N 80.68W  
03/30/2011 M85.00 MPH BREVARD FL OTHER FEDERAL

54 FT TOWER NUMBER 0421 MEASURED 74 KT/85 MPH WIND GUST.

0521 PM TSTM WND GST KENNEDY SPACE CENTER 28.52N 80.68W  
03/30/2011 M64.00 MPH BREVARD FL ASOS

KTTS AT KENNEDY SPACE CENTER MESURED 56 KT/64 MPH WIND GUST.

0540 PM WATER SPOUT MERRITT ISLAND 28.36N 80.69W  
03/30/2011 BREVARD FL PUBLIC

WATERSPOUT REPORTED AT SYKES CREEK PARKWAY AND FL-520 CAUSWAY.

0546 PM TSTM WND GST PATRICK AIRFORCE BASE 28.24N 80.61W  
03/30/2011 M62.00 MPH BREVARD FL ASOS

KCOF MEASURED 54 KT/62 MPH WIND GUST.

0550 PM TSTM WND DMG MERRITT ISLAND 28.36N 80.69W  
03/30/2011 BREVARD FL PUBLIC

WIND DAMAGE ALONG NORTH BANANA RIVER DRIVE AND CENTRAL AVE. PATIO DESTROYED AND LIFTED OVER HOUSE INTO FRONT YARD. DAMAGE TO WOODEN FENCES AND TREE LIMBS DOWN.

0559 PM TSTM WND GST MELBOURNE 28.08N 80.61W  
03/30/2011 M59.00 MPH BREVARD FL ASOS

KMLB AT MELBOURNE INTERNATIONAL AIRPORT MEASURED 51 KT/58 MPH WIND GUST.

0623 PM TSTM WND GST 3 ESE GIFFORD 27.66N 80.36W  
03/30/2011 M40.00 MPH INDIAN RIVER FL MESONET

WEATHER STATION MEASURED 35 KT/40 MPH WIND GUST.

0653 PM TSTM WND GST 1 SSW GIFFORD 27.66N 80.42W  
03/30/2011 M44.00 MPH INDIAN RIVER FL ASOS

KVRB AT VERO BEACH AIRPORT MEASURED 38 KT/44 MPH WIND GUST.