Severe Storms of April 8, 2004

In the early afternoon of April 8th, severe storms rolled through the central Florida area, causing scattered areas of damage in the area north of Sanford and west of Daytona Beach. Damage areas in De Leon Springs and in the Cove Estates area near Osteen were surveyed to determine the character of the storm.











Products issued by NWS in Melbourne:

FLUS42 KMLB 081544 CCA HWOMLB

HAZARDOUS WEATHER OUTLOOK NATIONAL WEATHER SERVICE MELBOURNE FL 1145 AM EDT THU APR 8 2004

AMZ550-555-570-575-FLZ041-044>047-053-054-058-059-064-141-144-147-082100
COASTAL VOLUSIA-COCOA BEACH TO JUPITER INLET 20 NM TO 60 NM OFFSHORECOCOA BEACH TO JUPITER INLET OUT TO 20 NMFLAGLER BEACH TO COCOA BEACH 20 NM TO 60 NM OFFSHOREFLAGLER BEACH TO COCOA BEACH OUT TO 20 NM-INDIAN RIVERINLAND VOLUSIA-MARTIN-NORTHERN BREVARD-NORTHERN LAKE-OKEECHOBEEORANGE-OSCEOLA-SEMINOLE-SOUTHERN BREVARD-SOUTHERN LAKE-ST. LUCIE-

.DAY ONE...

...THUNDERSTORM IMPACT...

1107 AM EDT THU APR 8 2004

A FRONTAL BOUNDARY MOVING AROSS THE SOUTHEAST STATES AND THE NORTHEAST GULF OF MEXICO WAS PRODUCING A LINE THUNDERSTORMS OVER NORTH FLORIDA. AS THE LINE OF STORMS MOVES EAST DURING THE DAY... THUNDERSTORMS WILL DEVELOP OVER THE NORTHERN PORTIONS OF EAST CENTRAL FLORIDA AND THE NORTHERN COASTAL WATERS. SOME OF THE STORMS OVER THE NORTHERN COUNTIES MAY PRODUCE WIND GUSTS OVER 55 MPH AND HAIL NICKEL SIZE OR LARGER. DEADLY CLOUD TO GROUND LIGHTNING WILL ACCOMPANY ALL THE STORMS. THE STRONGEST STORMS MAY HAVE THE POTENTIAL TO PRODUCE A BRIEF TORNADO OVER NORTH LAKE AND INLAND VOLUSIA COUNTIES.

...WIND AND SEA IMPACT...

WEST WINDS BETWEEN 15 AND 20 KNOTS WILL PREVAIL ACROSS THE COASTAL WATERS OF EAST CENTRAL FLORIDA TODAY. THESE WINDS WILL GENERATE SEAS BETWEEN 2 AND 3 FEET SEAS NEARSHORE...AND UP TO 6 FEET OFFSHORE. IN ADDITION...THE OFFSHORE WIND COMPONENT WILL CREATE

CHOPPY SEAS WITH WAVE PERIODS NEAR OR BELOW 5 SECONDS. SMALL CRAFT OPERATORS SHOULD EXCERCISE CAUTION OVER THE OPEN ATLANTIC TODAY AND REMAIN CLOSE TO SHORE IF POSSIBLE.

... MARINE THUNDERSTORM GUST IMPACT...

THUNDERSTORMS MOVING OFF THE MAINLAND BETWEEN FLAGLER BEACH AND COCOA BEACH MAY PRODUCE GUSTY WINDS AS THEY MOVE EAST AT 20 MPH. AN ISOLATED THUNDERSTORM MAY PRODUCE WIND GUSTS OVER 40 KNOTS.

.DAYS TWO THROUGH SEVEN...

A STORM SYSTEM WILL MOVE ACROSS FLORIDA SUNDAY NIGHT AND MONDAY. THIS SYSTEM MAY GENERATE SCATTERED THUNDERSTORMS WITH DEADLY LIGHTNING AND GUSTY WINDS AS THE SYSTEM PULLS A COLD FRONT INTO FLORIDA.

.SPOTTER INFORMATION STATEMENT...

SKYWARN NETWORKS ARE REQUESTED TO ACTIVATE IN THE FOLLOWING COUNTIES...VOLUSIA...LAKE...ORANGE...SEMINOLE.

\$\$ WIMMER

FPUS72 KMLB 081617 NOWMLB

SHORT TERM FORECAST NATIONAL WEATHER SERVICE MELBOURNE FL 1215 PM EDT THU APR 8 2004

FLZ041-044>046-141-144-147-081800-COASTAL VOLUSIA-INLAND VOLUSIA-NORTHERN BREVARD-NORTHERN LAKE-ORANGE-SEMINOLE-SOUTHERN LAKE-1215 PM EDT THU APR 8 2004

.NOW...

THROUGH 2 PM...A VERY STRONG STORM CAPABLE OF PRODUCING WINDS IN EXCESS OF 45 MPH...SMALL HAIL AND FREQUENT LIGHTNING WILL MOVE EAST SOUTHEAST AT 35 MPH ACROSS VOLUSIA COUNTY. THIS STORM WILL MOVE ACROSS LAKE GEORGE TO DE LEON SPRINGS AND TO INTERSTATE 4 IN CENTRAL VOLUSIA COUNTY. ADDITIONAL SHOWERS AND LIGHTNING STORMS WILL MOVE ACROSS NORTHERN LAKE COUNTY FROM LADY LAKE TO UMATILLA AND EAST TO PAISLEY AND FOREST HILLS. THESE STORMS WILL CONTAIN HEAVY RAIN...CLOUD TO GROUND LIGHTNING STRIKES AND POSSIBLE SMALL HAIL.

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WWUS82 KMLB 081631 SPSMLB

SPECIAL WEATHER STATEMENT NATIONAL WEATHER SERVICE MELBOURNE FL

1230 PM EDT THU APR 8 2004

FLZ041-141-081715-COASTAL VOLUSIA COUNTY-INLAND VOLUSIA COUNTY-1230 PM EDT THU APR 8 2004

...STRONG STORM CAPABLE OF PRODUCING WINDS FROM 40 TO 45 MPH AND SMALL HAIL ACROSS VOLUSIA COUNTY...

AT 1228 PM EDT...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A STORM CAPABLE OF PRODUCING STRONG WINDS BETWEEN 40 AND 45 MPH AND SMALL HAIL OVER BARBERVILLE...MOVING EAST AT 40 MPH.

THIS STORM WILL TRACK ACROSS DELAND...SPRUCE CREEK AND TOWARD THE COAST NEAR NEW SMYRNA BEACH THROUGH 115 PM.

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WUUS52 KMLB 081651 SVRMLB FLC127-081730-

BULLETIN - EAS ACTIVATION REQUESTED SEVERE THUNDERSTORM WARNING NATIONAL WEATHER SERVICE MELBOURNE FL 1250 PM EDT THU APR 8 2004

THE NATIONAL WEATHER SERVICE IN MELBOURNE HAS ISSUED A

- * SEVERE THUNDERSTORM WARNING FOR... CENTRAL VOLUSIA COUNTY IN EAST CENTRAL FLORIDA
- * UNTIL 130 PM EDT
- * AT 1245 PM EDT...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A SEVERE THUNDERSTORM OVER DE LEON SPRINGS...MOVING EAST AT 30 MPH.
- * THE SEVERE THUNDERSTORM WILL BE...
 9 MILES SOUTH OF WILBUR BY THE SEA AT 125 PM EDT
 NEAR NEW SMYRNA BEACH...8 MILES SOUTHWEST OF PONCE INLET AT 130 PM
 EDT

THIS IS A DANGEROUS STORM. PREPARE FOR DAMAGING WINDS IN EXCESS OF 58 MILES AN HOUR...LARGE HAIL AND DEADLY...EXCESSIVE LIGHTNING. MOVE INDOORS TO A STURDY BUILDING AWAY FROM WINDOWS. SEVERE THUNDERSTORMS OCCASIONALLY PRODUCE TORNADOES WITH LITTLE OR NO WARNING.

LAT...LON 2921 8136 2904 8143 2888 8098 2909 8090

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NWUS52 KMLB 082343 T.SRMT.B

PRELIMINARY LOCAL STORM REPORT ... UPDATED NATIONAL WEATHER SERVICE MELBOURNE FL 740 PM EDT THU APR 08 2004

..TIME... ...EVENT... ...CITY LOCATION... ...LAT.LON... ..DATE...MAG.... ..COUNTY LOCATION...ST.. ...SOURCE....

..REMARKS..

0100 PM TSTM WIND DMG 1 W DE LEON SPRINGS 29.12N 81.37W FL LAW ENFORCEMENT VOLUSIA 04/08/2004

> NEAR DE LEON SPRINGS LAKE HIRES AND REYNOLDS ROAD. THREE HOUSES AND A GARAGE DAMAGED. TREE THROUGH ROOF OF ONE HOUSE. NWS OFFICIALS INVESTIGATED AREA AND DETERMINED DAMAGE WAS CAUSED BY STRAIGHT LINE TSTM WINDS.

0101 PM HAIL PORT ORANGE 29.16N 81.00W 04/08/2004 1.00 INCH VOLUSIA FL PUBLIC

ONE INCH HAIL, SECTION OF PRIVACY FENCE REMOVED BY WINDS, POST SET IN CONCRETE BLOWN DOWN.

0128 PM HAIL DE BARY 28.88N 81.31W

VOLUSIA FL PUBLIC 04/08/2004 0.88 INCH

CITY OF DE BARY EMPLOYEE

0150 PM TSTM WND DMG OSTEEN 28.85N 81.16W

FL PUBLIC 04/08/2004 VOLUSIA

> LARGE SIGN DAMAGED, 3 BUILDINGS DAMAGED, ROOF PEELED OFF, ALL NEAR SKIP'S WESTERN STORE IN OSTEEN.

0203 PM HAIL

SCOTTSMOOR 28.77N 80.87W BREVARD FL TRAINED SPOTTER 04/08/2004 0.75 INCH

STORM SPOTTER REPORTED DIME SIZE HAIL AT 203 PM.

0250 PM TSTM WND DMG ORLANDO 28.50N 81.37W

04/08/2004 ORANGE FL PUBLIC

REPORT OF TREES DOWN ON SR 436 JUST NORTH OF ORLANDO

INTERNATIONAL AIRPORT.

0325 PM HAIL COCOA 28.38N 80.75W

04/08/2004 0.75 INCH BREVARD FL PUBLIC

BREVARD COMMUNITY COLLEGE, 2 MILES SOUTH OF SR 528. PEA TO DIME SIZE HAIL COVERED THE GROUND. WIND ESTIMATED

AT 50-60 MPH.

0329 PM HAIL W COCOA 28.38N 80.75W 04/08/2004 0.88 INCH BREVARD FL TRAINED SPOTTER

NR CLEARLAKE ROAD AND US 1. NICKEL SIZE.

0330 PM HAIL COCOA 28.39N 80.76W

04/08/2004 0.25 INCH BREVARD FL PUBLIC

WEATHER SPOTTER REPORTED PEA SIZE/QUARTER INCH HAIL. HAIL LASTED 5 MINUTES FOLLOWED BY HEAVY RAIN AND GUSTY WINDS,

RIPPING LIMBS FROM TREES.

PATRICK AIR FORCE BASE 28.23N 80.60W BREVARD FL OTHER FEDERAL 0351 PM TSTM WND GST 04/08/2004 59 MPH

US AIR FORCE OBSERVATION KCOF 1551 EDT 350/30G51KTS

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\$\$ JOC/AC