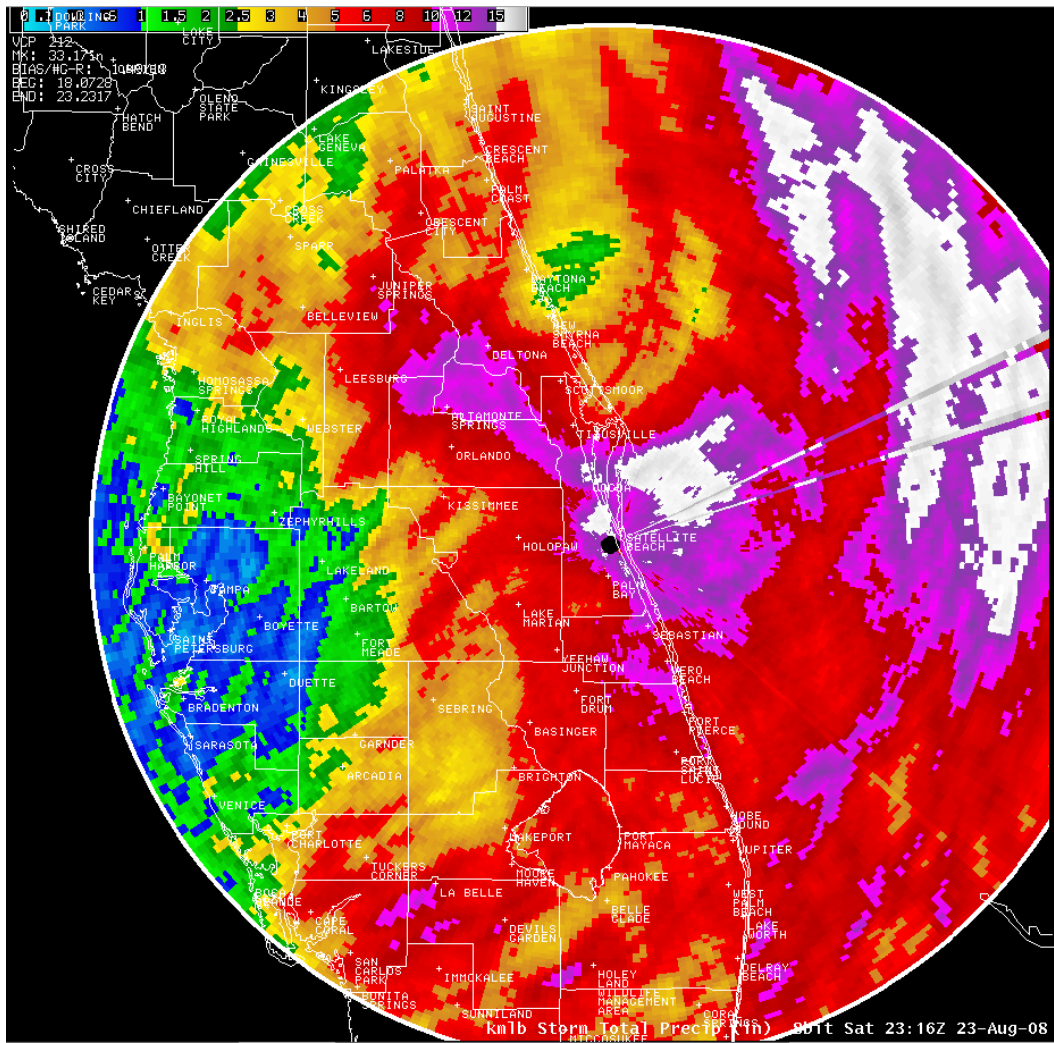


# Tropical Storm Fay

August 18-23, 2008



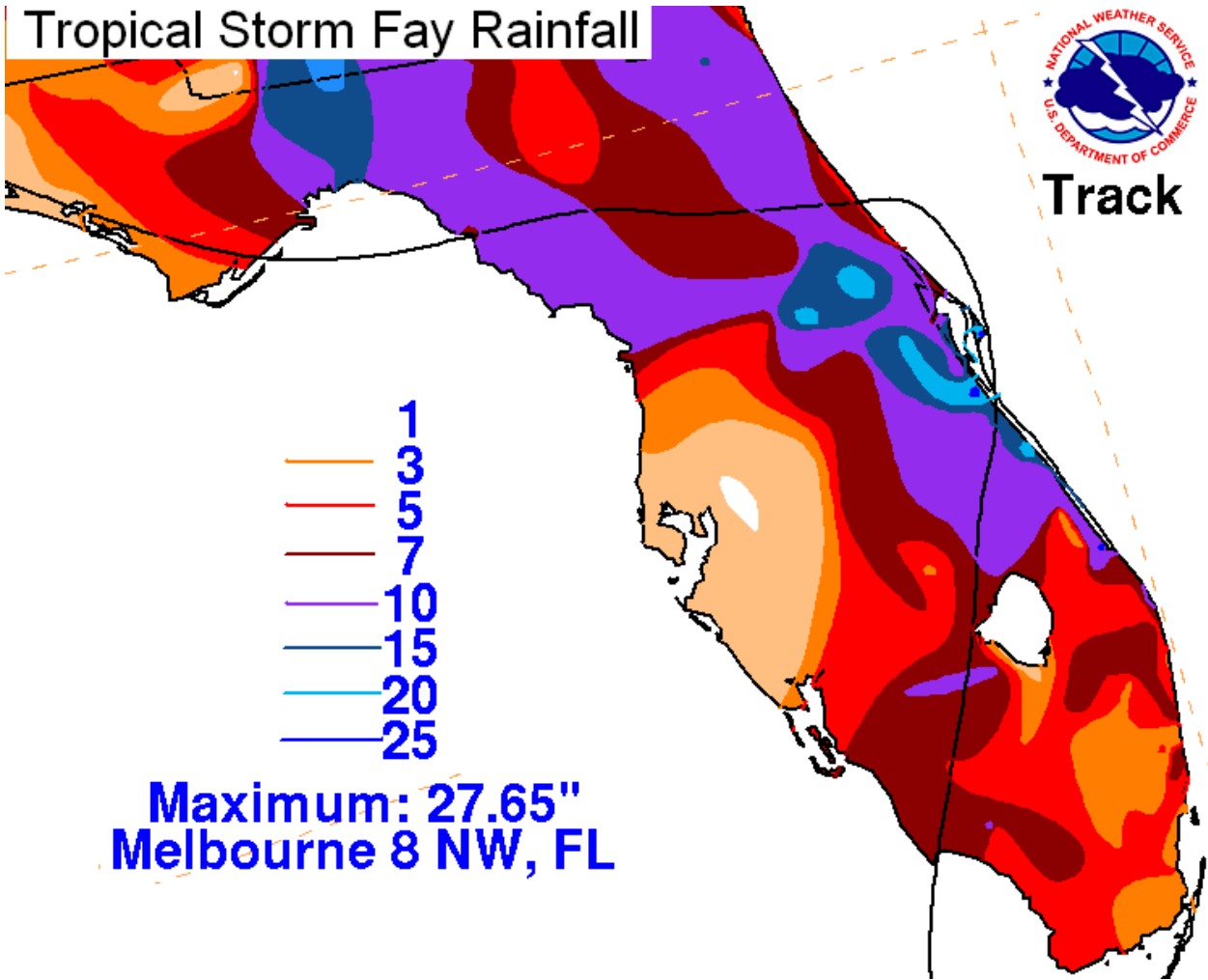
Tropical Storm Fay radar-based rainfall accumulation

The [Preliminary Summary Report](#), containing all storm-related data gathered from east-central Florida, including wind, rainfall and barometric pressure extremes.

[National Hurricane Center Summary of Tropical Storm Fay](#) (pdf)

Three tornadoes were reported with Fay. They are documented [here](#).

# Tropical Storm Fay Rainfall



Rainfall map, from NOAA's Weather Prediction Center

[More maps are available at the WPC's website](#)

[Brevard County has also produced a map of rainfall](#)

*This map (pdf format) can "zoom in" for more detail.*

| 3-hour radar-based rainfall estimates |                              |
|---------------------------------------|------------------------------|
| Day                                   | animated gif                 |
| 18th                                  | <a href="#">loop0818.gif</a> |
| 19th                                  | <a href="#">loop0819.gif</a> |
| 20th                                  | <a href="#">loop0820.gif</a> |
| 21st                                  | <a href="#">loop0821.gif</a> |

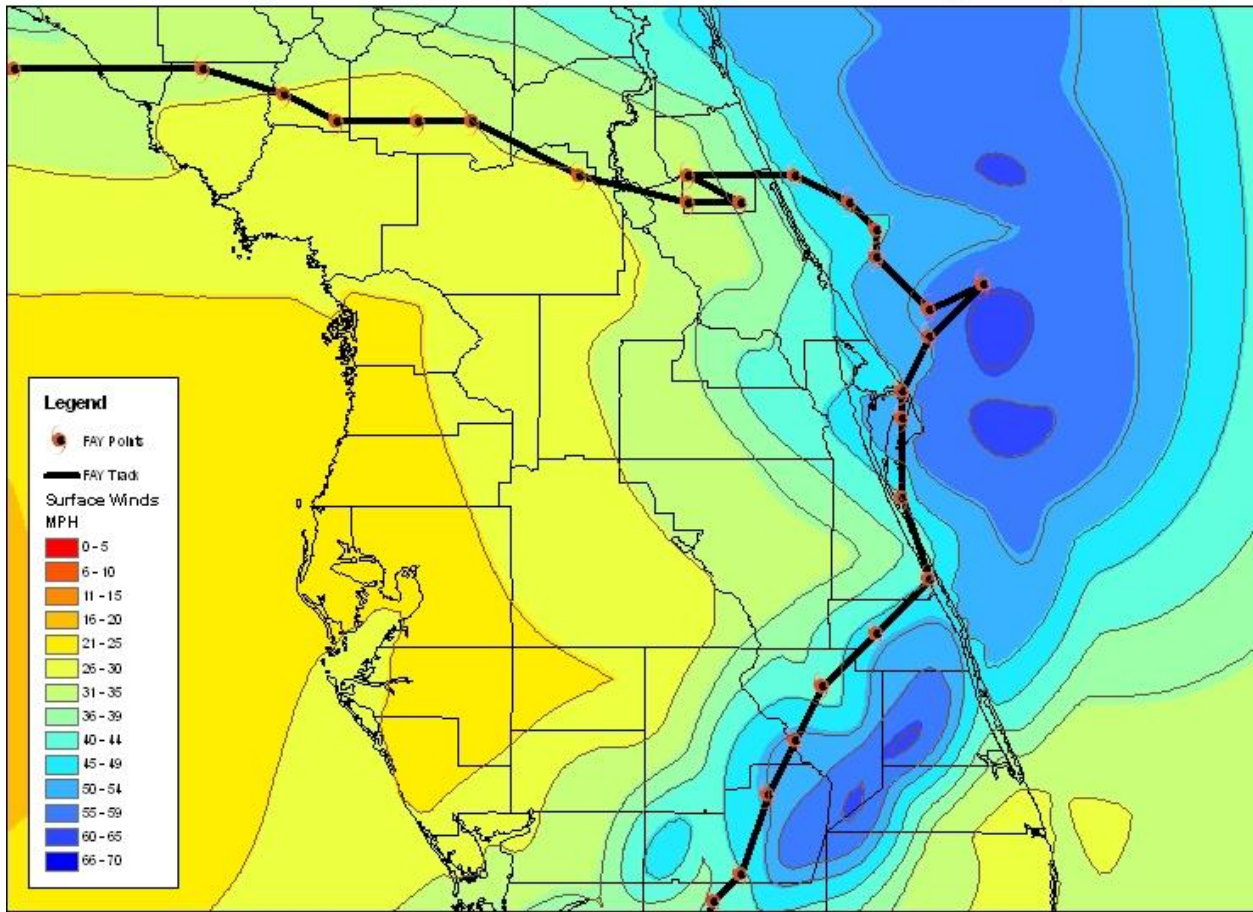
**PRELIMINARY** data indicates that this event is the 4th wettest tropical cyclone to affect the state of Florida and by far the wettest for east central Florida. A maximum rainfall total of 27.65 occurred 8 miles NW of Melbourne. The previous rainfall record for a tropical cyclone in the region was set in 1950, when Hurricane King dumped 15.44" of rain on Patrick Air Force Base near Cape Canaveral. Hurricane Wilma of 2005 holds third place--it dumped 13.26" on Kennedy Space Center.

The "top ten" list for Florida follows:

| Storm Name (Year)     | Max Rainfall (ins) | Location               |
|-----------------------|--------------------|------------------------|
| <b>Easy (1950)</b>    | <b>38.70</b>       | <b>Yankeetown</b>      |
| <b>Georges (1998)</b> | <b>38.46</b>       | <b>Munson</b>          |
| <b>Unnamed (1941)</b> | <b>35.00</b>       | <b>Trenton</b>         |
| <b>Dennis (1985)</b>  | <b>25.56</b>       | <b>Homestead</b>       |
| <b>TD 1A (1992)</b>   | <b>25.00</b>       | <b>Arcadia Tower</b>   |
| <b>Jeanne (1980)</b>  | <b>29.48</b>       | <b>Key West</b>        |
| <b>Dora (1964)</b>    | <b>23.73</b>       | <b>Mayo</b>            |
| <b>TD (1969)</b>      | <b>23.40</b>       | <b>Havana</b>          |
| <b>Unnamed (1924)</b> | <b>23.22</b>       | <b>Marcos Island</b>   |
| <b>Bob (1985)</b>     | <b>21.50</b>       | <b>Everglades City</b> |
| <b>Alberto (1994)</b> | <b>21.38</b>       | <b>Niceville</b>       |

Below is a map depicting the wind fields of Tropical Storm Fay  
(Click the map to see a larger version)

### Tropical Storm Fay Max Surface Winds (MPH)



Map based on data provided by NOAA's Hurricane Research Division  
[http://www.aoml.noaa.gov/hrd/data\\_sub/wind.html](http://www.aoml.noaa.gov/hrd/data_sub/wind.html)

Map Created by Dave Jacobs, WFO Melbourne

Map based upon data provided by NOAA's [Hurricane Research Division](#)



Photographs of Flooding in the Melbourne Area





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POST TROPICAL CYCLONE REPORT...TROPICAL STORM FAY  
NATIONAL WEATHER SERVICE MELBOURNE FL  
225 PM EDT TUE SEP 2 2008...UPDATE 3

UPDATE...FOR KCOF: ADDED MIN PRES...UPDATED MAX SUSTAINED WIND AND  
TOTAL PRECIP. UPDATED SECOND PARAGRAPH OF `INLAND FLOODING` AND  
`STORM IMPACTS BY COUNTY` FOR SEMINOLE COUNTY.

NOTE: THE DATA SHOWN HERE ARE PRELIMINARY...AND SUBJECT TO UPDATES  
AND CORRECTIONS AS APPROPRIATE.

THIS REPORT INCLUDES EVENTS OCCURRING WHEN WATCHES AND/OR WARNINGS

WERE IN EFFECT FOR FAY.

COUNTIES INCLUDED...VOLUSIA...LAKE...SEMINOLE...ORANGE...BREVARD...  
OSCEOLA...INDIAN RIVER...OKEECHOBEE...SAINT LUCIE...AND MARTIN.

A. LOWEST SEA LEVEL PRESSURE/MAXIMUM SUSTAINED WINDS AND PEAK GUSTS

-----  
OFFICIAL METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IS 10 METERS AND WIND AVERAGING IS 2 MINUTES

-----  
LOCATION ID MIN DATE/ MAX DATE/ PEAK DATE/  
LAT LON PRES TIME SUST TIME GUST TIME  
DEG DECIMAL (MB) (UTC) (KT) (UTC) (KT) (UTC)

-----

KCOF-PATRICK AFB/COCOA, FL  
28.23 -80.60 994.2 20/0644 080/041 19/2048 080/054 19/2042

KOBE-OKEECHOBEE CNTY AP, OKEECHOBEE, FL  
27.26 -80.85 991.6 19/2102 190/037 19/2127 190/050 19/2111

KORL-ORLANDO/EXECUTIVE, FL  
28.55 -81.33 1000.3 21/2147 230/034 21/2145 220/049 21/2144

KSFB-ORLANDO/SANFORD, FL  
28.78 -81.24 997.3 21/2330 240/035 21/2251 240/047 21/2153

KDAB-DAYTONA BEACH  
29.18 -81.04 994.9 21/2344 360/031 21/0710 360/045 21/0203

KMLB-MELBOURNE, FL  
28.11 -80.63 993.2 20/0641 070/036 20/2020 I 090/045 20/0641

KFPR-FORT PIERCE/ST LUCIE CO INTL, FL  
27.50 -80.37 997.0 20/0241 110/033 19/1538 200/045 20/0456

KXMR-CAPE CANAVERAL AIR FORCE STATION SKID STRIP  
28.46 -80.57 997.0 20/0855 210/031 21/0846 220/047 21/0252

KVRB-VERO BEACH, FL  
27.65 -80.42 995.9 20/0359 130/031 19/2308 I 140/042 20/0359

KMCO-ORLANDO INTERNATIONAL  
28.43 -81.32 999.0 20/0951 350/030 20/0837 230/039 20/0951

REMARKS: NWS ASOS SITES EXCEPT KCOF AND KXMR WHICH ARE USAF ASOS  
SITES (FMQ-19)...AND KOBE WITH IS A COUNTY OWNED AWOS.

NON-METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN  
MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

-----  
LOCATION ID MIN DATE/ MAX DATE/ PEAK DATE/  
LAT LON PRES TIME SUST TIME GUST TIME  
DEG DECIMAL (MB) (UTC) (KT) (UTC) (KT) (UTC)

-----

USAF TOWER 397  
28.65 -80.64 I 110/045 20/0750 110/059 20/0755  
18

WF13435  
28.04 -80.64 I 061/028 19/1945 061/049 19/1945  
10

WF8836  
 27.63 -80.39 I 134/027 19/2355 137/048 19/2315  
 10

WF1071  
 27.34 -80.24 I 000/047 19/1415 I 000/062 19/1605 I  
 10

WF13404  
 27.21 -80.33 I 214/035 20/0320 206/050 20/0240  
 10

WF18862  
 29.04 -80.90 I 059/041 20/0820 073/053 20/0215  
 10

WF12961  
 27.04 -80.17 I 104/031 19/1335 104/046 19/1355  
 10

WF26722  
 28.31 -80.63 I 074/041 19/2200 078/058 19/2110  
 10

WF1072  
 27.93 -80.49 I 080/040 19/1735 070/053 19/1730  
 10

REMARKS: USAF TOWER 397 DATA ARE GREATEST LOW-LEVEL WINDS FROM USAF MESONET AT KENNEDY SPACE CENTER. SITE ID'S BEGINNING WITH WF ARE FROM THE WEATHERFLOW MESONET.

B. MARINE OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

| LOCATION                    | ID     | MIN   | DATE/   | MAX     | DATE/   | PEAK    | DATE/   |
|-----------------------------|--------|-------|---------|---------|---------|---------|---------|
| LAT LON                     |        | PRES  | TIME    | SUST    | TIME    | GUST    | TIME    |
| DEG DECIMAL                 |        | (MB)  | (UTC)   | (KT)    | (UTC)   | (KT)    | (UTC)   |
| 41009-20NM E CAPE CANAVERAL |        |       |         |         |         |         |         |
| 28.50                       | -80.18 | 999.8 | 21/0020 | 200/041 | 21/0320 | 190/051 | 20/1850 |
|                             |        |       |         | 05/08   |         |         |         |
| TRDF1-TRIDENT PIER          |        |       |         |         |         |         |         |
| 28.41                       | -80.59 | 996.7 | 20/0812 | 230/039 | 21/0142 | 230/049 | 21/0142 |
|                             |        |       |         | 06/02   |         |         |         |

C. STORM TOTAL RAINFALL FROM 0400 UTC AUG 18 UNTIL 0400 UTC AUG 23

| CITY/TOWN           | COUNTY  | ID         | RAINFALL |
|---------------------|---------|------------|----------|
| LAT LON             |         |            | (IN)     |
| DEG DECIMAL         |         |            |          |
| 8 NW MELBOURNE      | BREVARD | PUBLIC     | 27.65    |
| 28.16 -80.70        |         |            |          |
| 5 NE CAPE CANAVERAL | BREVARD | USAF FM 34 | 25.01    |
| 28.45 -80.56        |         |            |          |
| 2 N SATELLITE BEACH | BREVARD | KFLSATEL2  | 22.87    |
| 28.20 -80.60        |         |            |          |
| 1 N COCOA BEACH     | BREVARD | KFLCOCOA3  | 22.26    |
| 28.36 -80.61        |         |            |          |



|   |              |             |       |
|---|--------------|-------------|-------|
| SEBASTIAN<br>27.78 -80.48               | INDIAN RIVER | PUBLIC      | 22.25 |
| 3 NNE PORT CANAVERAL<br>28.44 -80.58    | BREVARD      | USAF FM 32  | 21.93 |
| 6 NW MELBOURNE<br>28.14 -80.68          | BREVARD      | KFLMELBO13  | 21.88 |
| 7 NE CAPE CANAVERAL<br>28.46 -80.53     | BREVARD      | USAF FM 28  | 21.75 |
| 1.4 W PALM SHORES<br>28.18 -80.68       | BREVARD      | FL-BV-2     | 21.42 |
| 4.3 NNW PALM SHORES<br>28.24 -80.69     | BREVARD      | FL-BV-20    | 20.80 |
| COCOA BEACH-PATRICK AFB<br>28.23 -80.60 | BREVARD      | KCOF        | 20.61 |
| 7 NW MELBOURNE<br>28.15 -80.69          | BREVARD      | FL-BV-22    | 20.50 |
| 7 SSE MERRITT ISLAND<br>28.26 -80.65    | BREVARD      | KFLMERRI16  | 19.58 |
| 2.9 NW PALM SHORES<br>28.21 -80.69      | BREVARD      | FL-BV-16    | 19.50 |
| 2.9 SE DELTONA<br>28.87 -81.17          | VOLUSIA      | FL-VL-7     | 19.45 |
| MELBOURNE NWS OFFICE<br>28.11 -80.65    | BREVARD      | MLBF1       | 19.08 |
| 5 NNE CAPE CANAVERAL<br>28.46 -80.57    | BREVARD      | KXMR        | 18.82 |
| 3 N SATELLITE BEACH<br>28.21 -80.60     | BREVARD      | KFLSATEL5   | 18.05 |
| 1.1 N MELBOURNE<br>28.09 -80.61         | BREVARD      | FL-BV-6     | 18.03 |
| 2.9 NNW MALABAR<br>28.02 -80.60         | BREVARD      | FL-BV-9     | 17.82 |
| DE LAND<br>29.03 -81.30                 | VOLUSIA      | DELF1       | 17.77 |
| 8 NNE CAPE CANAVERAL<br>28.50 -80.56    | BREVARD      | USAF FM 27  | 17.53 |
| INDIALANTIC<br>28.08 -80.56             | BREVARD      | PUBLIC      | 17.40 |
| 0.4 ENE SANFORD<br>28.79 -81.27         | SEMINOLE     | FL-SM-4     | 17.38 |
| 5 W VERO BEACH<br>27.64 -80.47          | INDIAN RIVER | SPOTTER4033 | 17.38 |

|                                       |           |            |       |
|---------------------------------------|-----------|------------|-------|
| 5 NNW MERRITT ISLAND<br>28.42 -80.72  | BREVARD   | KFLMERR17  | 16.93 |
| SANFORD<br>28.78 -81.28               | SEMINOLE  | SFNF1      | 16.77 |
| 4.5 NW MICCO<br>27.91 -80.57          | BREVARD   | FL-BV-7    | 16.26 |
| 4.5 NW DE LAND<br>29.08 -81.35        | VOLUSIA   | FL-VL-3    | 16.09 |
| 3 SSE MELBOURNE BEACH<br>28.02 -80.54 | BREVARD   | KFLMELBO10 | 15.98 |
| 4 SSE MELBOURNE<br>28.02 -80.59       | BREVARD   | KFLPALMB10 | 15.86 |
| 11 NNE CAPE CANAVERAL<br>28.55 -80.57 | BREVARD   | USAF FM 26 | 15.77 |
| 10 NW CAPE CANAVERAL<br>28.51 -80.69  | BREVARD   | USAF FM 22 | 15.73 |
| 1 NE MERRITT ISLAND<br>28.36 -80.68   | BREVARD   | KFLMERRI11 | 15.51 |
| 2 NW MALABAR<br>28.00 -80.61          | BREVARD   | KFLPALM31  | 15.31 |
| 5 SSE ROCKLEDGE<br>28.25 -80.70       | BREVARD   | KFLMELBO26 | 15.11 |
| 2.3 WNW LONGWOOD<br>28.71 -81.38      | SEMINOLE  | FL-SM-5    | 15.08 |
| SANFORD<br>28.78 -81.28               | SEMINOLE  | KSFB       | 15.02 |
| STUART<br>27.19 -80.24                | MARTIN    | STRF1      | 15.02 |
| 1.2 SE EUSTIS<br>28.84 -81.67         | LAKE      | FL-LK-2    | 15.01 |
| 5.7 NW DE LAND<br>29.09 -81.36        | VOLUSIA   | FL-VL-9    | 14.94 |
| 3.9 NW HOBE SOUND<br>27.10 -80.18     | MARTIN    | FL-MT-5    | 14.80 |
| FORT PIERCE<br>27.44 -80.32           | ST. LUCIE | FPCF1      | 14.70 |
| 1 S MERRITT ISLAND<br>28.34 -80.69    | BREVARD   | PUBLIC     | 14.56 |
| TITUSVILLE<br>28.58 -80.82            | BREVARD   | TITF1      | 14.38 |
| 1 N MELBOURNE BEACH                   | BREVARD   | MC8291     | 14.32 |

|                          |        |              |            |       |
|--------------------------|--------|--------------|------------|-------|
| 28.08                    | -80.56 |              |            |       |
| 3 SSE MERRITT ISLAND     |        | BREVARD      | KFLSMERR1  | 14.11 |
| 28.35                    | -80.69 |              |            |       |
| PORT SAINT JOHN          |        | BREVARD      | PUBLIC     | 13.84 |
| 28.47                    | -80.79 |              |            |       |
| OKEECHOBEE               |        | OKEECHOBEE   | PUBLIC     | 13.82 |
| 27.24                    | -80.83 |              |            |       |
| PLYMOUTH                 |        | ORANGE       | PLTF1      | 13.74 |
| 28.69                    | -81.55 |              |            |       |
| PALM BAY                 |        | BREVARD      | PLBF1      | 13.59 |
| 27.98                    | -80.66 |              |            |       |
| 4 S ROCKLEDGE            |        | BREVARD      | MC2306     | 13.53 |
| 28.26                    | -80.73 |              |            |       |
| 1.1 WSW ROCKLEDGE        |        | BREVARD      | FL-BV-13   | 13.42 |
| 28.31                    | -80.75 |              |            |       |
| 2.6 SSE PALM BAY         |        | BREVARD      | FL-BV-1    | 13.38 |
| 27.94                    | -80.65 |              |            |       |
| 2.6 WNW COCOA            |        | BREVARD      | FL-BV-23   | 13.48 |
| 28.39                    | -80.79 |              |            |       |
| 3.3 SE EDGEWATER         |        | VOLUSIA      | FL-VL-2    | 13.26 |
| 28.93                    | -80.87 |              |            |       |
| 4 NW PALM BAY            |        | BREVARD      | KFLPALMB33 | 12.91 |
| 28.02                    | -80.71 |              |            |       |
| 3.9 SSE MELBOURNE BEACH  |        | BREVARD      | FL-BV-11   | 12.86 |
| 28.01                    | -80.54 |              |            |       |
| NETTLES ISLAND           |        | ST. LUCIE    | NETF1      | 12.86 |
| 27.28                    | -80.23 |              |            |       |
| 3 N PALM BAY             |        | BREVARD      | KFLPALMB1  | 12.60 |
| 28.02                    | -80.66 |              |            |       |
| 1.3 N ALTAMONTE SPRINGS  |        | SEMINOLE     | FL-SM-1    | 12.45 |
| 28.68                    | -81.39 |              |            |       |
| 1.7 WSW PORT SAINT LUCIE |        | ST. LUCIE    | FL-SL-3    | 12.43 |
| 27.26                    | -80.38 |              |            |       |
| VERO BEACH               |        | INDIAN RIVER | VRBF1      | 12.41 |
| 27.64                    | -80.39 |              |            |       |
| 1 SSE OKEECHOBEE         |        | OKEECHOBEE   | KOBE       | 12.08 |
| 27.24                    | -80.83 |              |            |       |
| FORT PIERCE              |        | ST. LUCIE    | KFPR       | 12.07 |
| 27.44                    | -80.32 |              |            |       |
| SCOTTSMOOR               |        | BREVARD      | SCMF1      | 12.06 |
| 28.76                    | -80.88 |              |            |       |

|                                       |              |             |       |
|---------------------------------------|--------------|-------------|-------|
| 5 SSE ROCKLEDGE<br>28.25 -80.70       | BREVARD      | KFLMELBO25  | 12.06 |
| 2 SW PORT SAINT JOHN<br>28.45 -80.81  | BREVARD      | KFLPORTS16  | 12.01 |
| 3.7 SW STUART<br>27.15 -80.28         | MARTIN       | FL-MT-7     | 11.88 |
| VERO BEACH<br>27.64 -80.39            | INDIAN RIVER | KVRB        | 11.34 |
| 2.9 SSE UNION PARK<br>28.52 -81.22    | ORANGE       | FL-OR-1     | 11.07 |
| 1 SW STUART<br>27.176 -80.253         | MARTIN       | PUBLIC      | 11.00 |
| 3 S TITUSVILLE<br>28.54 -80.82        | BREVARD      | KFLTITUS13  | 10.96 |
| 2 S TITUSVILLE<br>28.55 -80.82        | BREVARD      | KFLTITUS8   | 10.95 |
| 2.8 SSE FORT PIERCE<br>27.40 -80.31   | ST. LUCIE    | FL-SL-5     | 10.47 |
| 6 S VERO BEACH<br>27.56 -80.39        | INDIAN RIVER | SPOTTER4022 | 10.46 |
| 8 S PALM BAY<br>27.86 -80.66          | BREVARD      | MAR488      | 10.27 |
| PORT SALERNO<br>27.149 -80.202        | MARTIN       | PUBLIC      | 10.20 |
| JENSEN BEACH<br>27.231 -80.223        | MARTIN       | PUBLIC      | 10.10 |
| APOPKA<br>28.68 -81.51                | ORANGE       | PUBLIC      | 10.00 |
| 2.4 N EDGEWATER<br>29.00 -80.90       | VOLUSIA      | FL-VL-6     | 9.47  |
| HOBE SOUND<br>27.059 -80.136          | MARTIN       | PUBLIC      | 9.30  |
| 5 SSE STUART<br>27.127 -80.204        | MARTIN       | SPOTTER     | 9.20  |
| 22 NNW CAPE CANAVERAL<br>28.69 -80.72 | BREVARD      | USAF FM 2   | 9.01  |
| KISSIMMEE<br>28.30 -81.41             | OSCEOLA      | KSSF1       | 8.83  |
| 2 WNW TITUSVILLE<br>28.59 -80.85      | BREVARD      | KFLTITUS15  | 8.65  |
| 0.5 SSW OCOEE<br>28.56 -81.53         | ORANGE       | FL-OR-6     | 8.48  |

|   |         |           |      |
|---|---------|-----------|------|
| 1.5 E NEW SMYRNA BEACH<br>29.02 -80.91  | VOLUSIA | FL-VL-1   | 8.21 |
| DAYTONA BEACH<br>29.21 -81.03           | VOLUSIA | KDAB      | 8.16 |
| 1 NW PORT SAINT JOHN<br>28.48 -80.80    | BREVARD | KFLCOCOA1 | 7.93 |
| WINDERMERE<br>28.49 -81.53              | ORANGE  | ORWF1     | 7.74 |
| 1.0 NE BASSVILLE PARK<br>28.84 -81.75   | LAKE    | FL-LK-4   | 7.60 |
| CLERMONT<br>28.55 -81.76                | LAKE    | CLRF1     | 7.54 |
| ORLANDO<br>28.50 -81.37                 | ORANGE  | KMCO      | 7.46 |
| 2.0 S ASTOR<br>29.11 -81.53             | LAKE    | PUBLIC    | 7.20 |
| ORLANDO<br>28.50 -81.37                 | ORANGE  | KORL      | 7.01 |
| 1.7 SSW SAINT CLOUD<br>28.21 -81.30     | OSCEOLA | FL-OS-15  | 6.63 |
| LEESBURG<br>28.80 -81.88                | LAKE    | KLEE      | 5.83 |
| 2.6 NNW POINCIANA PLACE<br>28.19 -81.50 | OSCEOLA | FL-OS-1   | 5.75 |
| 0.4 SE DE LEON SPRINGS<br>29.11 -81.35  | VOLUSIA | FL-VL-4   | 5.21 |
| 0.1 WNW SAINT CLOUD<br>28.24 -81.29     | OSCEOLA | FL-OS-16  | 4.70 |

REMARKS: NWS ASOS SITES LABELED WITH 4-LETTER ID. NWS COOPERATIVE SITES END WITH F1. SPOTTER ID INDICATES NWS WEATHER SPOTTER REPORTS. COCORAHS SITES BEGIN WITH FL- ID. HOME WEATHER STATIONS BEGIN WITH KFL... MR...MC OR IFL. HOME RAIN GAUGE REPORTS ARE LABELED AS PUBLIC. USAF FM ARE SELECTED SITES FROM THE USAF FIELD MILL NETWORK AT THE KENNEDY SPACE CENTER. NWS COOPERATIVE DATA FROM 1100 UTC AUG 18 UNTIL 1100 UTC AUG 23 AND COCORAHS DATA FROM FROM 1200 UTC AUG 18 UNTIL 1200 UTC AUG 23.

D. INLAND FLOODING...

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...RECORD RAINFALL AND FLOODING IN EAST CENTRAL FLORIDA...

STORM TOTAL RAINFALL EXCEEDED 20 INCHES IN BREVARD COUNTY...MAINLY WITHIN PORTIONS OF MELBOURNE...CAPE CANAVERAL...COCOA BEACH...AND SATELLITE BEACH. A MAXIMUM RAINFALL TOTAL OF 27.65 OCCURRED 8 MILES NW OF MELBOURNE. PRELIMINARY DATA INDICATES THIS EVENT IS THE THIRD WETTEST TROPICAL CYCLONE TO AFFECT THE STATE OF FLORIDA AND BY FAR



THE WETTEST FOR EAST CENTRAL FLORIDA. PORTIONS OF MOST COUNTIES RECEIVED 12 OR MORE INCHES OF RAIN...WITH MOST OF THE RAIN FALLING IN LESS THAN 48 HOURS. SEVERE FLOODING IMPACTED SOME COMMUNITIES... ESPECIALLY WITHIN BREVARD COUNTY...WITH MINOR TO MODERATE FLOODING EXPERIENCED ACROSS A LARGE AREA. WATER ENTERED HUNDREDS OF HOMES AND ROADWAY FLOODING WAS EXTENSIVE.

WITH THE RECORD RAINFALL MAXIMA OCCURRING OVER THE UPPER PORTION OF THE ST. JOHNS RIVER BASIN...RIVER LEVELS CONTINUE TO RISE EVEN THOUGH FRESHWATER FLOODING HAS RECEDED IN MOST AREAS. AT THIS TIME...MODERATE RIVER FLOODING IS IMPACTING ASTOR IN NE LAKE COUNTY AND NW VOLUSIA COUNTY. MODERATE TO MAJOR RIVER FLOODING IS OCCURRING OR FORECAST TO OCCUR WITHIN VOLUSIA COUNTY AT DE LAND AND AT SANFORD AND GENEVA IN SEMINOLE COUNTY. ROADWAY AND LOWLAND FLOODING IS OCCURRING ALONG THE RIVER. FLOOD WATERS HAVE ENTERED MANY HOMES AND SOME ADDITIONAL HOMES ARE THREATENED BY RISING WATER.

-----  
 E. MAXIMUM STORM SURGE AND STORM TIDE...  
 OFFICIAL TIDE GAUGES NOTED WITH LEADING G  
 -----

| COUNTY  | CITY/TOWN<br>OR LOCATION | SURGE<br>(FT) | TIDE<br>(FT) | DATE/<br>TIME | BEACH<br>EROSION |
|---------|--------------------------|---------------|--------------|---------------|------------------|
| VOLUSIA | ORMOND BEACH             | 0.00          | 0.00         | 21/1800       | MINOR            |
| BREVARD | G PORT CANAVERAL         | 2.00          | 3.10         | 20/0630       | MINOR            |

TRIDENT PIER TRDF1

F. TORNADOES...

| (DIST) CITY/TOWN<br>LAT LON (DEG DECIMAL<br>DESCRIPTION | COUNTY | DATE/<br>TIME (UTC) | EF SCALE<br>(IF KNOWN) |
|---|--------|---------------------|------------------------|
| STUART<br>27.19 -80.24                                  | MARTIN | 19/1411             | EF0                    |

A ROTATING CONVECTIVE CELL IN A TROPICAL RAIN SQUALL MOVED ONSHORE FROM THE ATLANTIC. THE SHORT-LIVED TORNADO TOUCHED DOWN NEAR THE INTERSECTION OF U.S. HIGHWAY 1 AND MONROE STREET. IT BLEW DOWN POWER POLES AND LINES...OVERTURNED A HIGH PROFILE PANEL TRUCK AND DAMAGED FUEL PUMPS AND SURFACE PANELS OF A SERVICE STATION ISLAND COVER. NO INJURIES. DAMAGE ESTIMATED AROUND EIGHT THOUSAND DOLLARS.

|                             |           |         |     |
|-----------------------------|-----------|---------|-----|
| FORT PIERCE<br>27.44 -80.32 | ST. LUCIE | 19/1635 | EF0 |
|-----------------------------|-----------|---------|-----|

ANOTHER RAIN SQUALL MOVED ONSHORE FROM THE ATLANTIC AND PRODUCED A TORNADO. THE SHORT-LIVED TORNADO TOUCHED DOWN NEAR THE 3900 BLOCK OF SELVITZ ROAD. A TRUCK PARTS SUPPLY BUILDING HAD MINOR DAMAGE TO THE ROOF AND INTERIOR DOORS. THE SUSPENDED CEILING IN THE SHOWROOM WAS BLOWN OUT. IN THE IMMEDIATE AREA...TWO TRACTOR TRAILERS WERE OVERTURNED AS WELL AS A BOAT ON A TRAILER AND A LARGE FIFTH WHEEL CAMPER. PRELIMINARY DAMAGE ESTIMATES AROUND TWELVE THOUSAND DOLLARS.

|                              |         |         |     |
|------------------------------|---------|---------|-----|
| BAREFOOT BAY<br>27.88 -80.52 | BREVARD | 19/1745 | EF1 |
|------------------------------|---------|---------|-----|

ANOTHER TROPICAL RAIN SQUALL MOVED ONSHORE AND PRODUCED A TORNADO WHICH STRUCK THE MANUFACTURED HOME COMMUNITY OF BAREFOOT BAY. THE TORNADO DAMAGED 59 RESIDENCES. OF THESE...9 WERE DECLARED UNINHABITABLE. THE TORNADO BLEW OFF THE ROOF AND COLLAPSED AN EXTERIOR WALL OF THE MOSTLY SEVERELY DAMAGED HOME. THE TORNADO DAMAGED DOZENS OF LIGHTWEIGHT OUT BUILDINGS...CARPORTS AND AWNINGS. INITIAL REPORTS INDICATED TWO MINOR INJURIES. PRELIMINARY DAMAGE ESTIMATES CURRENTLY ARE UNAVAILABLE.

G. STORM IMPACTS BY COUNTY...

| COUNTY<br>DESCRIPTION  | DEATHS | INJURIES | EVACUATIONS |
|--|--------|----------|-------------|
| BREVARD<br>TORNADO...FLOOD DAMAGE...ROUGH SURF AND BEACH EROSION. TWO MINOR INJURIES DURING BAREFOOT BAY TORNADO. THE TORNADO DAMAGED 59 HOMES AND DESTROYED 9 HOMES. PRELIMINARY PROPERTY DAMAGE ASSESSMENT COMPLETED BY BREVARD COUNTY OFFICIALS IS APPROXIMATELY 60 MILLION DOLLARS. THIS INCLUDES HOMES AND BUSINESSES IN 15 MUNICIPALITIES AND THE UNINCORPORATED AREA OF THE COUNTY. ADDITIONAL DAMAGE TO PUBLIC INFRASTRUCTURE IS ESTIMATED AT 10 MILLION DOLLARS. 1600 HOMES HAVE BEEN DAMAGED BY FLOODING. MINOR BEACH EROSION. | 0      | 2        | UNKNOWN     |
| VOLUSIA<br>FLOOD AND RIVER FLOOD DAMAGE...ROUGH SURF AND BEACH EROSION. ONE DROWNING FATALITY (35 YEAR OLD FEMALE DROWNED IN ATLANTIC AFTER VENTURING INTO ROUGH SURF ON AUGUST 21). EARLY FLOOD DAMAGE ASSESSMENT OF 13 MILLION DOLLARS. 192 HOMES DAMAGED BY FLOOD WATERS. ST. JOHNS RIVER CURRENTLY RISING SLOWLY WITH MAJOR FLOOD LEVELS FORECAST NEAR DE LAND.  | 1      | 0        | UNKNOWN     |
| SEMINOLE<br>SIGNIFICANT FLOOD AND RIVER FLOOD DAMAGE. ST. JOHNS RIVER CONTINUES TO SLOWLY RISE WITH MAJOR FLOODING FORECAST AT SANFORD AND ONGOING NEAR GENEVA. PRELIMINARY PROPERTY DAMAGE ASSESSMENT COMPLETED BY SEMINOLE COUNTY OFFICIALS IS APPROXIMATELY 10 MILLION DOLLARS. THIS INCLUDES PUBLIC PROPERTY ONLY ...NOT ROADS OR INFRASTRUCTURE. 500 HOMES HAVE BEEN DAMAGED BY FLOODING.   | 0      | 0        | UNKNOWN     |
| OKEECHOBEE<br>FLOOD AND MINOR WIND DAMAGE. 69 HOMES DAMAGED BY FLOOD WATERS. EARLY PROPERTY DAMAGE ASSESSMENT FOR ROADWAYS ONLY IS 850 THOUSAND DOLLARS.   | 0      | 0        | UNKNOWN     |
| SAINT LUCIE<br>FLOOD AND TORNADO DAMAGE. 900 HOMES DAMAGED BY FLOOD WATERS. MINOR TORNADO DAMAGE TO A BUSINESS AND SEVERAL VEHICLES IN FORT PIERCE. EARLY PROPERTY DAMAGE ASSESSMENT OF 70 MILLION DOLLARS.  | 0      | 0        | UNKNOWN     |
| ORANGE<br>FLOOD DAMAGE. 5 HOMES DAMAGED BY FLOODING. EARLY PROPERTY DAMAGE ASSESSMENT OF 60 THOUSAND DOLLARS.  | 0      | 0        | UNKNOWN     |
| MARTIN<br>FLOODING AND TORNADO DAMAGE. MINOR TORNADO DAMAGE TO A BUSINESS AND VEHICLE IN STUART. PROPERTY DAMAGE ASSESSMENT NOT YET AVAILABLE.   | 0      | 0        | UNKNOWN     |
| LAKE   | 0      | 0        | UNKNOWN     |

MINOR URBAN...ROADWAY...LOWLAND AND RIVER FLOODING. THE ST. JOHNS RIVER NEAR ASTOR IS CURRENTLY STEADY AT MODERATE FLOOD LEVELS. PROPERTY DAMAGE MINOR WITH NO ASSESSMENT YET AVAILABLE.

|         |   |   |         |
|---------|---|---|---------|
| OSCEOLA | 0 | 0 | UNKNOWN |
|---------|---|---|---------|

MINOR URBAN...ROADWAY AND LOWLAND FLOODING. PROPERTY DAMAGE ASSESSMENT NOT YET AVAILABLE.

|              |   |   |         |
|--------------|---|---|---------|
| INDIAN RIVER | 1 | 0 | UNKNOWN |
|--------------|---|---|---------|

ONE INDIRECT STORM FATALITY (43 YEAR OLD MALE MOTORIST DIED AFTER HYDROPLANING DUE TO HIGH WATER ON ROADWAY AND LOSING CONTROL OF VEHICLE). MINOR URBAN...ROADWAY AND LOWLAND FLOODING. NO DAMAGE REPORTED.

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LEGEND:  
I-INCOMPLETE DATA  
E-ESTIMATED

SPRATT/DECKER

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