

728
ACUS72 KJAX 220140 AAA
PSHJAX

POST TROPICAL CYCLONE REPORT...HURRICANE IRMA...UPDATED
NATIONAL WEATHER SERVICE JACKSONVILLE FL
939 PM EDT THU SEP 21 2017

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...OR WHEN SIGNIFICANT FLOODING ASSOCIATED WITH IRMA

COUNTIES INCLUDED...ALACHUA...APPLING...ATKINSON...BACON...BAKER...
BRADFORD...BRANTLEY...CAMDEN...CHARLTON...CLAY...CLINCH...COFFEE...
COLUMBIA...DUVAL...ECHOLS...FLAGLER...GILCHRIST...GLYNN...
HAMILTON...JEFF DAVIS...MARION...NASSAU...PIERCE...PUTNAM...
ST JOHNS...SUWANNEE...UNION...WARE...WAYNE

SEP 19...UPDATED FOR...ADDED NOAA PORTS STATIONS AND AMENDED SOME NE
FLORIDA AWOS STATIONS FOR INCOMPLETE DATA

SEP 22...UPDATED FOR...ADDED LOWEST PRESSURE READINGS FOR SOME
NON-METAR SITES.

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

METAR OBSERVATIONS...

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

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

KJAX-JACKSONVILLE INTERNATIONAL AIRPORT FL							
30.49	-81.69	986.6	11/1156	050/051	11/0748	050/075	11/0741

KCRG-CRAIG MUNICIPAL AIRPORT FL							
30.33	-81.52	987.0	11/1153	140/040	11/1227	140/061	11/1226

KNRB-MAYPORT NAVAL STATION FL							
30.39	-81.42	988.5	11/1152	050/059	11/0738	050/076	11/0738

KNIP-JACKSONVILLE NAVAL AIR STATION FL							
30.24	-86.68	984.6	11/1153	120/043	11/1053	050/063	11/0636

KVQQ-CECIL FIELD AIRPORT FL							
30.22	-81.88	9999.0 /		040/024	11/0515 I	030/038	11/0435 I

KSGJ-SAINT AUGUSTINE AIRPORT FL							
29.97	-81.33	994.3	11/0656 I	060/045	11/0506 I	050/062	11/0446 I

KFIN-BUNNELL FL							
29.47	-81.21	9999.0 /		060/035	11/0235	100/053	11/0455

KVVG-THE VILLAGES FL

28.96 -81.97 9999.0 / 050/032 11/0250 070/047 11/1010

KOCF-OCALA INTERNATIONAL AIRPORT FL

29.18 -82.22 995.3 11/0251 I 010/021 10/2221 I 030/034 11/0311 I

K42J-KEYSTONE HEIGHTS FL

29.85 -82.05 9999.0 / 070/031 11/0755 070/049 11/0555

KGNV-GAINESVILLE REGIONAL AIRPORT FL

29.68 -82.27 979.5 11/1053 040/035 11/0527 050/053 11/0517

KLCQ-LAKE CITY FL

30.18 -82.58 9999.0 / 020/031 11/0635 020/047 11/0635

KHOE-HOMERVILLE GA

31.06 -82.77 9999.0 / 030/020 11/0735 030/034 11/0735

KHOE-HOMERVILLE GA

31.06 -82.77 9999.0 / 030/020 11/0735 030/034 11/0735

KDQH-DOUGLAS MUNICIPAL AIRPORT GA

31.48 -82.86 9999.0 / 050/034 11/1355 040/051 11/1255

KAYS-WAYCROSS GA

31.25 -82.40 9999.0 / 040/030 11/0815 040/042 11/0955

KAMG-BACON COUNTY AIRPORT GA

31.54 -82.50 989.8 11/1553 140/021 11/1853 010/038 11/1314

KJES-JESUP GA

31.55 -81.88 9999.0 / 040/021 11/0856 030/033 11/0937

KBQK-BRUNSWICK/GLYNCO AIPORT GA

31.15 -81.47 9999.0 / 060/035 11/0915 060/052 11/0915

KSSI-ST. SIMONS/MALCOLM MCKINNON AIRPORT GA

31.15 -81.38 1006.1 11/0553 I 060/033 11/0610 I 050/049 11/0548 I

REMARKS:

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)

BXTG1 - RAW'S BAXLEY GA

31.71 -82.39 999/999 070/056 11/1504

XTRM - TERMINAL CHANNEL DOWNTOWN JACKSONVILLE

30.33 -81.62 983.0 11/1158 120/040 11/1143 120/065 11/1158

XJAK - BUCK ISLAND

30.39 -81.48 983.0 11/1235 060/055 11/0735 060/069 11/0735

XHUP - HUGUENOT PARK

30.41 -81.41 985.0 11/1116 065/057 11/0746 060/074 11/0741

XJAX - WEATHERFLOW JACKSONVILLE BEACH PIER

30.29 -81.39 986.0 11/1010 130/049 11/1310 097/065 11/1010

XLWS - WEATHERFLOW LEWIS ST. JOHNS

29.91 -81.33 984.0 11/1044 140/045 11/1149 130/065 11/1054

XHSE - WEATHERFLOW CRESCENT BEACH SUMMERHOUSE

29.71	-81.23	987.0	11/1005	145/047	11/1025	145/060	11/1055
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OKEG1 - RAW5 WAYCROSS GA

31.24	-82.40			999/999		035/055	11/1004
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JONG1 - RAW5 JONES ISLAND OKEFENOKEE NWR

30.82	-82.36			999/999		082/044	11/1801
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TT331 - RAW5 OKEFENOKEE NWR WEST

30.97	-82.40			999/999		032/048	11/0910
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EDTF1 - EDDY TOWER BAKER COUNTY

30.54	-82.34			999/999		114/024	11/1304
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LGRF1 - RAW5 LAKE GEORGE OCALA NF

29.38	-81.81			999/999		208/034	11/1704
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TS818 - RAW5 OKEFENOKEE NWR EAST

30.74	-82.13			999/999		114/042	11/1256
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OLSF1 - RAW5 OLUSTEE BAKER

30.25	-82.42			999/999		173/040	11/1704
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STRG1 - RAW5 STERLING GLYNN GA

31.25	-81.61			999/999		073/048	11/1104
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FAWN LIVE OAK FL

30.30	-82.90			999/999		999/042	11/0615
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XJEK - JEKYLL ISLAND GA

31.05	-81.41	988.0	11/1322	130/050	1337	080/067	11/0837
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1 NNE ST. AUGUSTINE BEACH

29.86	-81.26			999/999		999/068	11/0700
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CRESCENT BEACH

29.72	-81.23			999/999		999/058	11/0720
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PALATKA AIRPORT

29.66	-81.69			999/999		999/053	11/0055
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3 SE WELAKA

29.44	-81.63			999/999		999/057	11/0421
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2 SSE KINGSLAND

30.75	-81.65			999/999		999/049	11/0511
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2 W DEENWOOD

31.25	-82.40			999/999		999/048	11/0604
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3 NE YULEE

30.66	-81.54			999/999		999/047	10/2259
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1 SW ORTEGA

30.26	-81.72			999/999		999/047	11/0212
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PALM COAST

29.57	-81.21			999/999		999/046	11/0729
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4 SW BAXLEY

31.71	-82.39			999/999		999/045	11/0704
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2 NNE BAKERSTOWN

29.39 -81.47	999/999	999/045 11/0932
SUWANNE COUNTY AIRPORT		
30.30 -83.02	999/999	999/043 11/0315
BAXLEY MUNICIPAL AIRPORT		
31.71 -82.39	999/999	999/042 11/0715
3 N BUNNELL		
29.51 -81.25	999/999	999/042 11/0042
5 ESE THALMANN		
31.26 -81.61	999/999	999/042 11/0704
11 NNW STEVEN FOSTER ST PK		
30.98 -82.40	999/999	999/042 11/0510
1 SE ORTEGA		
30.25 -81.69	999/999	999/040 11/0203
3 S BOYS ESTATE		
31.27 -81.48	999/999	999/030 11/0437
5WNW NEWBERRY		
29.67 -82.70	999/999	999/039 11/0315
HAZLEHURST		
31.88 -82.65	999/999	999/039 11/0655
5 WNW OCALA AIRPORT		
29.20 -82.30	999/999	999/039 11/0147
3S BELLAIR		
30.18 -81.81	999/999	999/039 11/0739
3 W BELLAIR		
30.18 81.91	999/999	999/039 11/0739
5 SE ALACHUA		
29.73 -82.42	999/999	999/037 11/0229
1 SW SAN PABLO		
30.27 -81.46	999/999	999/037 11/0246
1 WNW STEVEN FOSTER ST PK		
30.83 -82.36	999/999	999/036 11/0801
3 SSE SAN MARCO		
30.27 -81.65	999/999	999/036 11/0243
2 NNW TALLYRAND		
30.39 -81.65	999/999	999/036 11/0400
5 WSW DURBIN		
30.05 -81.54	999/999	999/035 11/0130
1 SE SAN MARCO		
30.30 -81.64	999/999	999/034 11/0115
3 WSW KINGSLAND		
30.77 81.73	999/999	999/034 11/0657
4 NNW VILANO BEACH		
30.02 -81.32 1005.0 11/0308 I 050/051 10/2223 I 055/060 11/0308 I		

REMARKS:

B. MARINE OBSERVATIONS...

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

LOCATION LAT LON DEG DECIMAL	ID	MIN PRES (MB)	DATE/ TIME (UTC)	MAX SUST (KT)	DATE/ TIME (UTC)	PEAK GUST (KT)	DATE/ TIME (UTC)
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SAUF1-CMAN STATION SAINT AUGUSTINE FL

29.86	-81.26	986.0	11/0700	144/059	11/0720	140/073	11/0716
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MYPF1-NOS STATION MAYPORT FL

30.40	-81.43	988.0	11/1218	058/057	11/0736	053/078	11/0742
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FRDF1-NOS STATION FERNANDINA BEACH FL

30.67	-81.47	990.0	11/1312	145/029	11/1548	124/052	11/1236
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NOAA PORTS-NAVY DEPOT NFDF1

30.40	-81.62	988.0	11/1200	9999999	99999	I 051/054	11/0800
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NOAA PORTS I-295 BRIDGE NFDF1

30.18	-81.68	984.0	11/1142	061/050	11/0648	061/059	11/0648
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NOAA PORTS, BLOUNT ISLAND COMMAND BLIF1

30.39	-81.52	988.0	11/1212	117/041	11/1036	100/058	11/1000
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REMARKS:

C. STORM TOTAL RAINFALL FROM 1200 UTC SEP 11 UNTIL 1200 UTC SEP 12

CITY/TOWN LAT LON DEG DECIMAL	COUNTY	ID	RAINFALL (IN)
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4 W BELLAIR 29.75 -82.93	GILCHRIST		15.11
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FERNANDINA BEACH 30.65 -81.45	NASSAU		12.70
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GAINESVILLE REGIONAL APT 29.67 -82.34	ALACHUA	GNV	12.40
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2.4 NW GAINESVILLE 29.69 -82.36	ALACHUA	FL-AL-57	12.22
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0.9 ESE STARKE 29.94 -82.10	BRADFORD	FL-BF-2	11.74
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8.8 S INTERLACHEN 29.48 -81.90	MARION	FL-MR-46	11.51
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8.8 E MIDDLEBURG 30.04 -81.75	CLAY		11.32
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7.5 WSW GAINESVILLE 29.63 -82.45	ALACHUA	FL-AL-60	11.15
1 WNW ORTEGA 30.27 -81.72	DUVAL		11.11
10 SW JACKSONVILLE 30.24 81.79	DUVAL		11.04
1.8 WSW ORANGE PARK 30.15 -81.73	CLAY	FL-CY-25	11.03
5.2 NNW ALACHUA 29.84 -82.51	ALACHUA	FL-AL-56	11.03
12 SSE JACKSONVILLE 30.18 81.57	DUVAL		11.00
3.5 NNW EAST PALATKA 29.69 -81.62	PUTNAM		10.96
1.7 SE GAINESVILLE 29.65 -82.32	ALACHUA	FL-AL-26	10.94
3.8 W GAINESVILLE 29.67 -82.40	ALACHUA	FL-AL-10	10.89
2.4 SW GAINESVILLE 29.64 -82.36	ALACHUA	FL-AL-50	10.75
2.1 NNE MICANOPY 29.53 -82.26	ALACHUA	FL-AL-51	10.70
2.6 WNW GREEN COVE SPRIN 30.00 -81.72	CLAY	FL-CY-42	10.48
1.8 ESE KEYSTONE HEIGHTS 29.76 -82.01	CLAY	FL-CY-24	10.36
6 S NAHUNTA 31.12 -81.98	BRANTLEY		10.34
7.7 W GAINESVILLE 29.67 -82.46	ALACHUA	FL-AL-55	10.33
ST. AUGUSTINE SOUTH 29.84 -81.31	ST. JOHNS		10.22
4.6 N OCALA 29.25 -82.13	MARION	FL-MR-57	10.12
4 NE SATSUMA 29.59 -81.61	PUTNAM		10.05
11.2 SW OCALA 29.07 -82.26	MARION	FL-MR-59	9.96
6.3 S FERNANDINA BEACH 30.56 -81.45	NASSAU		9.92
9.80 SW OCALA 29.08 -82.24	MARION	FL-MR-43	9.91
10.7 WSW OCALA	MARION	FL-MR-56	9.90

29.12 -82.29

0.4 N FERNANDINA BEACH	NASSAU		9.86
30.66 -81.45			

HOMELAND	CHARLTON		9.85
30.85 -82.02			

3 N OLUSTEE	BAKER		9.76
30.24 -82.43			

5 ESE THALMANN	GLYNN		9.65
31.29 -81.69			

14.30 S Ocala	MARION	FL-MR-36	9.65
28.97 -82.13			

3 SSW BELLEVIEW	MARION		9.64
29.01 -82.07			

0.9 NE RAIFORD	UNION		9.62
30.07 -82.23			

4.8 E BELLEVIEW	MARION	FL-MR-18	9.50
29.05 -81.97			

10 SW FOLKSTON	CHARLTON		9.30
30.73 -82.13			

JACKSONVILLE INTL APT	DUVAL	JAX	9.20
30.49 -81.69			

5.9 S PALM COAST	FLAGLER	FL-FL-25	9.10
29.48 -81.21			

4.9 NE OCKLAHAHA	MARION	FL-MR-22	9.00
29.09 -81.87			

5.4 W GAINESVILLE	ALACHUA	FL-AL-48	8.87
29.67 -82.43			

1 WSW ATKINSON	BRANTLEY		8.74
31.21 -81.87			

2 NE FARGO	CLINCH		8.66
30.70 -82.54			

1.1 SE Ocala	MARION	FL-MR-54	8.63
29.17 -82.12			

2.3 ENE SCREVEN	WAYNE		8.56
31.49 -81.98			

9 N FLORAHOME	CLAY		8.55
29.86 -81.88			

10 NE KEYSTONE HEIGHTS	CLAY	FL-CY-38	8.55
29.88 -81.91			

1.0 ENE BUNNELL	FLAGLER	FL-FL19	8.48
29.47 -81.24			

5 NNW BLACKSHEAR	PIERCE		8.45
31.36 -82.28			

SUWANNEE RIVER US HWY 44 30.68 82.56			8.44
7.9 SSW LAKE CITY 30.08 -82.69	COLUMBIA	FL-CB-12	8.44
3.2 SW HIGH SPRINGS 29.78 -82.63	ALACHUA	FL-AL-17	8.23
MAYPORT NAVAL STATION 30.38 -81.41	DUVAL	NRB	7.96
11 NNW STEVEN FOSTER ST. 32.57 -83.19	CHARLTON		7.81
7 NNW TAYLOR 30.53 -82.34	BAKER		7.79
0.6 ESE PALM COAST 29.56 -81.20	FLAGLER	FL-FL-21	7.67
1 WNW STEVEN FOSTER ST. 30.83 82.36			7.66
8.0 ENE TRENTON 29.65 -82.69	GILCHRIST	FL-GC-1	7.60
5 WNW JACKSONVILLE HEIGH 30.27 -81.86	DUVAL		7.54
5 SE ALACHUA 29.72 -82.42	ALACHUA		7.51
PENNEY FARMS 29.98 -81.81	CLAY	FL-CY-41	7.46
6.7 WSW JACKSONVILLE 30.30 -81.76	DUVAL		7.37
4 NNE MANDARIN 30.20 -81.61	DUVAL		7.35
4.2 NNW JESUP 31.65 -81.92	WAYNE		7.22
LITTLE SATILLA RIVER 31.45 82.05			7.14
JACKSONVILLE NAS 30.23 -81.68	DUVAL	NIP	7.08
10 NNW JESUP 31.73 -81.95	WAYNE		6.96
WAYCROSS 31.21 -82.36	WARE		6.86
3 WSW KINGSLAND 30.77 -81.71	INLAND CAMDEN		6.84
4.6 SSE MICANOPY 29.44 -82.25	MARION	FL-MR-42	6.83
3.5 ENE KEYSTONE HEIGHTS 29.79 -81.98	CLAY	FL-CY-7	6.78

1.9 S PALM COAST 29.54 -81.21	FLAGLER	FL-FL-26	6.72
4 NW TRENTON 29.65 -82.86	GILCHRIST	FL-GC-8	6.53
3.5 NE PEARSON 31.33 -82.81	ATKINSON		6.50
SATILLA RIVER HWY 158 31.30 82.56			6.49
BACON COUNTY AIRPORT 31.54 82.51	BACON		6.04
2 W DEENWOOD 31.24 -82.40	WARE		5.98
4 SW BAXLEY 31.72 -82.40	APPLING		5.89
ALAPAHA RIVER HWY 94 30.70 83.03			5.82
1 WNW ALACHUA 29.78 -82.50	ALACHUA		5.70
0.5 NNW NEPTUNE BEACH 30.32 -81.40	DUVAL	FL-DV-13	4.97
DOCTORTOWN 31.65 -81.83	WAYNE		4.92
3 SSW FOLKSTON 30.79 -82.03	CHARLTON		4.66
1 SSE LUMBER CITY 31.92 82.67			4.22

REMARKS:

D. INLAND FLOODING...

BRADFORD...ALLIGATOR CREEK AT STARKE SETS RECORD FLOOD STAGE AT 147.98 FEET ON 09/11 AT 1100 EDT. SANTA FE RIVER NEAR GRAHAM SETS RECORD FLOOD STAGE AT 118.98 FEET ON 09/11 AT 0945 EDT.

CLAY...BLACK CREEK AT MIDDLEBURG (BLANDING BLVD/SR 21) SETS RECORD FLOOD STAGE AT 30.52 FEET ON 09/12 AT 0130 EDT.

MARION...OCKLAWAHA RIVER NEAR CONNER SETS RECORD FLOOD STAGE AT 40.07 FEET ON 09/11 AT 1000 EDT. OCKLAWAHA RIVER AT EUREKA SETS RECORD FLOOD STAGE AT 25.49 FEET ON 09/13 AT 0515 EDT.

PIERCE...ALABAHA RIVER AT GEORGIA HIGHWAY 203 NEAR BLACKSHEAR CRESTED AT 11.41 FT ON 09/12 AT 1730 EDT. MINOR FLOODING OCCURS AT THIS LEVEL.

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

COUNTY	CITY/TOWN OR LOCATION	SURGE (FT)	TIDE (FT)	DATE/ TIME	BEACH EROSION
FLAGLER	G BINGS LANDING	4.19	4.19	11/0824	UNKNOWN
DUVAL	G BUCKMAN BRIDGE	5.71	5.26	11/1118	UNKNOWN I
GLYNN	G ST SIMONS ISLAN	3.93	3.93	11/1545	UNKNOWN I
DUVAL	G BROWARD RIVER	2.78	2.78	11/0445	UNKNOWN I
DUVAL	G CLAPBOARD CREEK	3.47	3.47	11/1715	UNKNOWN
CAMDEN	G SEA CAMP DOCK O	3.13	3.13	11/0600	UNKNOWN
DUVAL	G DUNN CREEK	4.77	4.77	11/0930	UNKNOWN
DUVAL	G DAMES POINT BRI	5.97	3.69	11/1724	UNKNOWN
PUTNAM	G DUNNS CREEK NEA	3.60	3.60	11/2315	UNKNOWN
ST. JOHNS	G DURBIN CREEK AT	5.61	5.61	11/2000	UNKNOWN I
NASSAU	G FERNANDINA BEAC	7.78	3.61	11/0548	UNKNOWN
DUVAL	G CEDAR RIVER AT	5.66	5.66	11/1630	UNKNOWN
DUVAL	G JULINGTON CREEK	5.35	5.35	11/1430	UNKNOWN
CAMDEN	G ST MARYS RIVER	1.10	1.10	11/1815	UNKNOWN
DUVAL	G MAYPORT	6.44	3.62	11/0654	UNKNOWN
DUVAL	G SOUTHBANK RIVER	6.61	4.94	11/1624	UNKNOWN
ST JOHNS	G RACY POINT	4.72	3.96	11/2100	UNKNOWN
DUVAL	G NASSAU RIVER NE	6.21	6.21	11/0730	UNKNOWN I
DUVAL	G POTTSBURG CREEK	4.76	4.76	11/1700	UNKNOWN
DUVAL	G TROUT RIVER AT	2.91	2.91	11/0600	UNKNOWN I
ST JOHNS	G TOLOMATO RIVER	3.61	3.61	11/0606	UNKNOWN
CAMDEN	G SATILLA RIVER A	3.44	3.44	11/1845	UNKNOWN
ST JOHNS	G DEEP CREEK AT S	5.75	5.75	12/0200	UNKNOWN

REMARKS: OFFICIAL TIDE GAUGE SITES HAVE STORM TIDE WITH RESPECT TO MHHW. TIMES IN UTC. TIDE GAUGE AT BUCKMAN BRIDGE STOPPED REPORTING 9/11 1347UTC AND THEREFORE MAY HAVE EXPERIENCED HIGHER WATER LEVELS. FURTHER DETAILED ANALYSIS IS BEING DONE NEAR DOWNTOWN JAX ON WATER LEVELS AND STORM SURGE.

F. TORNADOES...

(DIST)CITY/TOWN	COUNTY	DATE/ TIME(UTC)	EF SCALE (IF KNOWN)
LAT LON (DEG DECIMAL DESCRIPTION			

1 SSE VILANO BEACH St. Johns 10/2350 EF1
29.93 -81.30

THIS TORNADO MAY HAVE INITIATED AS A WATERSPOUT THAT MOVED ONSHORE AT VILANO BEACH. MINIMAL DAMAGE WAS SEEN IN VILANO BEACH, WITH MORE TREE DAMAGE OBSERVED WEST OF VILANO BEACH. A FEW TREES WERE SNAPPED AND UPROOTED. RADAR INDICATED A TORNADO DEBRIS SIGNATURE. ESTIMATED PEAK WINDS WERE 85-100 MPH. THE PATH LENGTH WAS ABOUT 4 MILES AND THE WIDTH OF THE VORTEX WAS ABOUT 200 YARDS. THE TORNADO DAMAGE SURVEY BEGIN IN VILANO BEACH FLORIDA (29.93, -81.30) AROUND 7:50 PM LOCAL TIME ON 9/10. THE DAMAGE ENDED 4 MILES WEST OF VILANO BEACH (29.95, -81.38) AROUND 7:56 PM ON 9/10.

1 N ST. AUGUSTINE St. Johns 10/1740 EF1
29.90 -81.31

THIS TORNADO LIKELY BEGAN AS A WATERSPOUT THAT MOVED ONSHORE. SIGNIFICANT TREE DAMAGE OCCURRED AT HUGUENOT CEMETERY, WITH MORE TREE DAMAGE WESTWARD TOWARD HIGHWAY 1. THE TIME OF DAMAGE WAS BASED ON RADAR. PEAK WINDS WERE 85-100 MPH WITH TOTAL PATH LENGTH OF 1 MILE AND WIDTH OF 50 YARDS. THE TORNADO STARTED IN ST. AUGUSTINE (29.90, -81.31) AROUND 1:40 PM AND TRACKED TOWARD 1 MILE WEST OF ST. AUGUSTINE (29.90, -81.33) ENDING AROUND 1:45 PM.

1 SE CRESCENT BEACH ST. JOHNS 11/0415 EF2
29.72 -81.23

SIGNIFICANT STRUCTURAL DAMAGE OCCURRED AT SUMMER HOUSE VACATION RENTALS. THERE WERE CLEAR SIGNS OF A CIRCULATION IN THE DAMAGE PATTERN. TREE DAMAGE OCCURRED TO A1A. THE TORNADO APPEARED TO DISSIPATE OVER THE INTERCOASTAL WATERWAY. PEAK WINDS WERE 110-130 MPH. TOTAL PATH LENGTH WAS ABOUT 1 MILE WITH WIDTH OF 300 YARDS. THE TORNADO BEGAN AROUND 1:15 AM ABOUT 2 MILES SOUTH OF CRESCENT BEACH (29.72, -81.23) AND ENDED AROUND 1:20 AM ABOUT 3 MILES SSW OF CRESCENT BEACH (29.72, -81.25).

2 NNW FERNANDINA BEACH NASSAU 11/0625 EF0
30.69 -81.46

NO DAMAGE WAS REPORTED AS THE TORNADO TRACKED GENERALLY OVER OPEN MARSH. THERE WAS A CLEAR TORNADO DEBRIS SIGNATURE ON RADAR. THE TIME OF THE TORNADO WAS ESTIMATED BASED ON RADAR. PEAK WINDS REACHED 85-100 MPH. THE TOTAL PATH LENGTH WAS 11 MILES WITH UNKNOWN WIDTH. THE TORNADO STARTED NEAR FORT CLINCH (30.69, -81.46) AROUND 2:25 AM AND ENDED ABOUT 11 MILES WEST OF FORT CLINCH (30.69, -81.64) AROUND 2:35 AM.

2 NNW AMELIA CITY NASSAU 11/0625 EF0
30.61 -81.47

NO DAMAGE WAS REPORTED AS THE TORNADO TRACKED MOSTLY OVER OPEN TERRITORY. THERE WAS A CLEAR TORNADO DEBRIS SIGNATURE ON RADAR. THE TIME OF THE EVENT WAS BASED ON RADAR. PEAK WINDS REACH 85-100 MPH. PATH LENGTH WAS ABOUT 11 MILES AND THE WIDTH WAS UNKNOWN. THE TORNADO STARTED ABOUT 5 MILES SOUTH OF FORT CLINCH STATE PARK (30.61, -81.47) AROUND 2:25 AM AND ENDED ABOUT 9 MILES SOUTHWEST OF FORT CLINCH STATE PARK (30.61, -81.57) AROUND 2:30 AM.

2 S MARINELAND Flagler 11/0020 EF0
29.64 -81.21

INITIAL AERIAL SURVEY FOUND A TORNADO PATH OF TREE DAMAGE. THERE WAS NO STRUCTURAL DAMAGE REPORTED. A TORNADO DEBRIS SIGNATURE WAS DETECTED ALONG THE TORNADO PATH. PEAK WINDS WERE 85-100 MPH. THE PATH LENGTH WAS ABOUT 4 MILES AND THE WIDTH WAS UNKNOWN. THE TORNADO

STARTED ABOUT 1 MILE SOUTH OF MARINELAND (29.64, -81.21) AROUND 8:20 PM AND TRACKED TO ABOUT 4 MILES WEST OF MARINELAND (29.67, -81.29) AROUND 8:30 PM.

G. STORM IMPACTS BY COUNTY...

COUNTY	DEATHS	INJURIES	EVACUATIONS
DESCRIPTION			

FLAGLER

FLAGLER COUNTY EXPERIENCED SURGE, WIND AND FLOODING RAINFALL DAMAGE FROM IRMA. THERE WAS ALSO ONE CONFIRMED EF0 TORNADO TOUCHDOWN JUST SOUTH OF MARINELAND. TROPICAL STORM FORCE WIND GUSTS BEGAN SUNDAY MORNING AROUND 9:46 AM AT FLAGLER BEACH AS MEASURED BY A VOLUNTEER ARES OBSERVER WITH A WIND GUSTS OF 39 MPH. THROUGH NOON, GUSTS OF 40-45 MPH WERE MEASURED. AT 12:48 PM, SURF OVER-WASH WAS REPORTED AT MALACOMPA BEACH APPROACH NEAR THE HAMMOCK. AT 1:16 PM, WATER WAS REPORTED AT THE TOP OF THE SEA WALL IN PALM COAST. BY 2:31 PM WATER WAS OVER THE SEA WALL AND ONTO GRASS IN PALM COAST. ALSO AT 2:31 PM, ROOF SHINGLES AND SIDING WAS BLOWN OFF OF HOMES ALONG NORTH 20TH STREET AND A1A. AROUND 3 PM, POWER LINES WERE BLOWN DOWN AT THE BEVERLY BEACH CAMPTOWN RV RESORT. AT 4:31 PM, WATER WAS ABOUT 15 INCHES OVER THE SEA WALL IN PALM COAST. AT 4:40 PM, WATER WAS OVER THE ROAD ALONG WYNFIELD DRIVE IN PALM COAST. AT 5 PM, WATER WAS OVER THE SEA WALL AND THE RAMP AT BINGS LANDING AND HERSHAL KING PARKS ON THE INTERCOASTAL WATERWAY, AND WATER WAS OVER THE BOAT RAMP AT DEAD LAKE FISH CAMP. AT 5:35 PM, POWER OUTAGES WERE REPORTED AT STATION 71. AT 6:30 PM, AT 50 MPH WIND GUST WAS MEASURED NORTH OF FLAGLER BEACH. BY 8:28 PM, SUSTAINED TROPICAL STORM FORCE WINDS OF 40 MPH WERE MEASURED AT NORTH FLAGLER BEACH. AT 8:29 PM, TREES WERE BLOWN DOWN ONTO POWERLINES AT BURGESS PLACE. AT 8:30 PM, A MEASURED WIND GUST OF 50 MPH WAS RECORDED IN FLAGLER BEACH. AT 8:45 PM, TANGERINE TO LANCEWOOD WATEROAK TO HIBISCUS WAS UNDERWATER AND IMPASSABLE. AT 9:06 PM, A WIND GUST OF 60 MPH WAS MEASURED IN NORTH FLAGLER BEACH, AND BY 9:17 PM, A SUSTAINED WIND OF 45-50 MPH WAS MEASURED IN FLAGLER BEACH. BY 9:32 PM, THERE WERE MULTIPLE REPORTS OF 40-45 MPH WIND GUSTS INLAND AND 45-50 MPH GUSTS AT THE BEACHES. AT 9:40 PM, NUMEROUS SECONDARY ROADS IN DAYTONA NORTH WERE IMPASSABLE DUE TO FLOODING. THE EMERGENCY OPERATIONS CENTER IN BUNNELL MEASURED A WIND GUST OF 59 MPH AT 10:45 PM. AT 10:55 PM, THE ASOS AT THE FLAGLER COUNTY AIRPORT MEASURED A WIND GUST OF 59 MPH, THEN AT 11:58 PM, A SUSTAINED WIND OF 48 MPH WAS MEASURED IN FLAGLER BEACH. SEPTEMBER 11, AT 12:24 AM, A MEASURED WIND GUST OF 75 MPH WAS MEASURED IN FLAGLER BEACH WITH SUSTAINED WINDS NEAR 50 MPH THROUGH 12:47 AM. AT 12:26 AM, A MEASURED GUST OF 72 MPH WAS MEASURED AT THE EMERGENCY OPERATIONS CENTER IN BUNNELL. AT 1:01 AM, THE COUNTY AIRPORT MEASURED A WIND GUST OF 63 MPH. AT 2 AM, ABOUT 2 FEET OF WATER WAS OVER THE SEA WALL IN PALM COAST. AT 2:38 AM, A SUSTAINED WIND OF 40 MPH WITH GUSTS TO 54 MPH WAS MEASURED AT FLAGLER BEACH, THEN AT 3 AM A SUSTAINED WIND OF 54 MPH WITH A GUST OF 78 MPH WAS MEASURED IN FLAGLER BEACH. AT 3:10 AM, A MEASURED GUST OF 83 MPH WAS RECORDED AT FLAGLER BEACH. AT 3:13 AM, WAIST DEEP WATER WAS REPORTED ON EMERSON DRIVE IN PALM COAST. AT 4 AM, A REPORT OF STORM SURGE IMPACTED MARINELAND ACRES JUST SOUTH OF WASHINGTON OAKS STATE PARK. AT 4:03 AM, A SUSTAINED WIND OF 47 MPH WAS MEASURED WITH A GUST TO 67 MPH IN FLAGLER BEACH. AT 5:30 AM, A PORCH WAS BLOWN OFF ALONG CAROL COURT. AT 5:45 AM, WATER WAS 4 INCHES OVER THE SEA WALL IN PALM COAST. AT 6:49 AM, THERE WERE MULTIPLE REPORTS OF STORM SURGE FLOODING ALONG THE INTERCOASTAL WATERWAY IN FLAGLER BEACH. AT 7:22 AM, A WIND GUST OF 53 MPH WAS MEASURED IN PALM COAST. AT 7:44 AM, ALONG STATE ROAD 100 AND SOUTH CHAPEL, WATER WAS REPORTED OVER THE ROAD AS WELL AS

TREES BLOWN DOWN. AT 8 AM, HOMES WERE DAMAGED ALONG WOODLASH LANE. AT 8:22 AM, BARRINGTON BECAME IMPASSABLE. AT 8:27 AM, A POWER LINE WAS REPORTED BLOWN DOWN ON BARKEY IN PALM COAST, THEN AT 8:31 AM TREES AND FENCES WERE BLOWN DOWN ALONG BELLE TERRE AND BALLAIRE BLVD. AT 10:19 AM, MULTIPLE HOMES WERE REPORTED UNDER WATER IN FLAGLER BEACH AND ALONG THE INTERCOASTAL WATERWAY. THE LAST MEASURED WIND OVER 40 MPH WAS MEASURED AT 1:15 PM. RAINFALL TOTALS INCLUDED 12.24 INCHES AT THE BUNNELL EMERGENCY OPERATIONS CENTER, 14.0 INCHES IN CENTRAL PALM COAST AT THE COPC WATER PLANT 1, 10.03 INCHES IN SOUTHERN PALM COAST AT THE COPC WATER PLANT 2, 10.10 INCHES IN WEST PALM COAST AT THE COPC WATER PLANT 3, 8.82 INCHES IN EAST PALM COAST AND 5.6 INCHES IN WEST PALM COAST.

ALACHUA

COUNTYWIDE WIND DAMAGE INCLUDED TREES DOWN ACROSS ROADS AND ON HOMES. RESIDENTIAL HOMES FLOODED IN SOME AREAS DUE TO POOR DRAINAGE. TREES WERE BLOWN DOWN ACROSS THE UNIVERSITY OF FLORIDA CAMPUS AND WITHIN THE GAINESVILLE CITY LIMITS. AT 1015 PM ON 9/10, A 10 INCH IN DIAMETER SPRUCE TREE WAS BLOWN DOWN ABOUT 5 MILES WEST OF GAINESVILLE. THE U.S. HIGHWAY 441 BRIDGE AND U.S. HIGHWAY 27 BRIDGE OVER THE SANTE FE RIVER WAS CLOSED ON 9/13/2017 DUE TO RISING FLOOD WATER NEAR HIGH SPRINGS.

GLYNN

AT 4:15 AM ON 9/10, A TREE WAS BLOWN DOWN ONTO A CAR ALONG STUART AVENUE. THE TIME WAS BASED ON A PEAK WIND REPORTED AT THE ST. SIMONS ISLAND AIRPORT. AT 12:50 AM ON 9/11, A WATERSPOUT WAS OBSERVED OVER THE MARSH AREAS ALONG HIGHWAY 17, JUST WSW OF JEKYLL ISLAND.

BRADFORD

AT 10:35 AM ON 9/10, ALLIGATOR CREEK IN STARKE STARTED RISING UP TO THE BRIDGE LEVEL AT LAURA STREET. THIS OCCURRED IN CONJUNCTION WITH MAJOR FLOOD STAGE REPORTED AT THE ALLIGATOR CREEK GAUGE LOCATED JUST DOWNSTREAM AT U.S. HIGHWAY 301.

PUTNAM

AT 11:49 PM ON 9/10, A NURSING HOME IN PALATKA WAS FLOODED AND EVACUATIONS WERE ORDERED DUE TO FLASH FLOODING.

UNION

AT 8:15 AM ON 9/11, THE PUBLIC REPORTED POWER LINES WERE BLOWN DOWN ON SW 8TH STREET IN LAKE BUTLER.

DUVAL

TROPICAL STORM FORCE WIND GUSTS STARTED TO IMPACT DUVAL COUNTY DURING THE MORNING 9/10, WITH A GUST OF 50 MPH AROUND 6:21 AM AT HUGUENOT PARK. AT 7 AM, A WEATHERFLOW MESONET STATION AT BUCK ISLAND ON THE ST. JOHNS RIVER MEASURED A SUSTAINED WINDS OF 37 MPH AND A GUST TO 50 MPH. AT 9:20 PM, A MESONET STATION ABOUT 2 MILES WNW OF FORT CAROLINE MEASURED SUSTAINED WINDS OF 35 MPH WITH A GUST TO 50 MPH. AT 10:26 PM, THE ASOS AT THE JACKSONVILLE INTERNATIONAL AIRPORT NEAR THE NWS OFFICE MEASURED A 58 MPH WIND GUST. ON 9/11 AT 1:45 AM, THE NOS TIDE GAUGE AT MAYPORT MEASURED WATER LEVELS OF 2.9 FT TO 3 FT ABOVE MHHW DATUM. AT 3:23 AM, THE MAYPORT ASOS MEASURED A SUSTAINED WIND OF 51 MPH (44 KT) AND A GUST OF 74 MPH (64 KT). AT 3:38 AM, THE MAYPORT ASOS MEASURED A SUSTAINED WIND OF 68 MPH (59 KT) AND A GUST OF 87 MPH (76 KT). THIS WAS THE HIGHEST OFFICIAL RECORDED WIND SPEED OF IRMA ACROSS THE NWS JACKSONVILLE COUNTY WARNING AREA. AT 3:41 AM, THE ASOS AT THE JACKSONVILLE INTERNATIONAL

AIRPORT MEASURED SUSTAINED WINDS OF 59 MPH (51 KT) AND A GUST OF 86 MPH (75 KT) WITHIN THE SAME POTENT RAIN-BAND THAT STRETCHED EASTWARD ACROSS MAYPORT. THIS WAS THE MOST INTENSE RAINFALL AND WIND RAIN BAND THAT IMPACT THE AREA WITH IRMA. AT 3:41 AM, THE WEATHERFLOW SENSOR AT HUGUENOT PARK MEASURED SUSTAINED WINDS OF 66 MPH AND GUSTS TO 85 MPH, AGAIN UNDER THE SAME RAIN BAND. AT 3:42 AM, MULTIPLE TREES WERE BLOWN DOWN OUTSIDE OF THE NWS JACKSONVILLE OFFICE AT THE JACKSONVILLE INTERNATIONAL AIRPORT FOLLOWING THE 86 MPH WIND GUST. ONE TREE FELL ON THE NWS OFFICE SIGN AND DAMAGED IT. AT 4:30 AM, THE ROOF WAS BLOWN OFF OF A HOME IN THE SANS SOUCI NEIGHBORHOOD. AT 5:45 AM, THE ST. JOHNS RIVER AT MAIN STREET IN DOWNTOWN JACKSONVILLE REPORTED A WATER LEVEL OF 4.39 FT NAVD88, WHICH BROKE THE RECORD FROM HURRICANE DORA OF 4.12 FT NAVD88 SET IN 1964. AT 8:26 AM, THE ASOS AT CRAIG AIRFIELD MEASURED A WIND GUST OF 70 MPH. AT 10:09 AM, THE ASOS AT NAVAL AIR STATION (NAS) JACKSONVILLE IN ORANGE PARK MEASURED A WIND GUST OF 67 MPH. AT 10:14 AM, A PEAK WIND GUST OF 69 MPH WAS MEASURED AT NAS JACKSONVILLE. AT 3:59 PM, AN EVACUEE IN SAN MARCO ALONG THE ST. JOHNS RIVER NEAR DOWNTOWN JACKSONVILLE REPORTED WATER ROSE INTO HIS HOME UP TO HIS NECK (ABOUT 5 FT INUNDATION IN HIS HOME). HISTORIC RECORD SETTING FLOODING OF THE ST. JOHNS RIVER AND TRIBUTARIES DUE TO COMBINATION OF ELEVATED WATER LEVELS FROM NOR'EASTER EVENT, HIGH ASTRONOMICAL TIDES, RIVER SURGE AND STORM RAINFALL FROM IRMA. THE RIVER GAUGE AT THE MAIN STREET BRIDGE IN DOWNTOWN JACKSONVILLE SURPASSED HURRICANE DORA 1964 RECORD FLOODING THE MORNING OF 9/11 AT LOW TIDE WITH A VALUE OF OVER 5 FT DATUM NAVD88 (DORA RECORD WAS 4.12 FT NAVD88 DATUM). THE RIVER AT THIS LOCATION CRESTED AROUND 12:30 PM AT 5.57 FT NAVD88, WHICH IS AN ALL TIME RECORD STAGE. MAJOR FLOODING IMPACTED THE ST. JOHNS RIVER BASIN, AND ABOUT 350 WATER RESCUES WERE CONDUCTED IN DUVAL COUNTY, ESPECIALLY IN THE RIVERSIDE, SAN MARCO AND DOWNTOWN JACKSONVILLE AREAS.

ST JOHNS

ST. JOHNS COUNTY WAS IMPACTED BY STRONG TROPICAL STORM WINDS, STORM SURGE AS WELL AS MULTIPLE TORNADOES DUE TO HURRICANE IRMA. ON 9/10, A MESONET STATION IN VILANO BEACH MEASURED A SUSTAINED WIND OF 47 MPH WITH GUSTS UP TO 54 MPH. AT 9:39 AM, THE ST. AUGUSTINE AIRPORT AWOS STATION MEASURED WINDS OF 39 MPH WITH GUSTS UP TO 53 MPH. AT 10:05 AM, THE VILANO BEACH MESONET STATION MEASURED A WINDS OF 56 MPH WITH GUSTS OF 62 MPH. AT 7:40 PM, A MESONET STATION 2 MILES NW OF ST. AUGUSTINE MEASURED A SUSTAINED WIND OF 30 MPH WITH GUSTS TO 50 MPH. AT 8:46 PM, THE ST. AUGUSTINE AIRPORT AWOS MEASURED A WIND GUST OF 58 MPH. ON 9/11 AT 12:46 AM, THE ST. AUGUSTINE AWOS AT THE AIRPORT MEASURED A SUSTAINED WIND OF 48 MPH (42 KT) AND A GUST OF 71 MPH (62 KT). AT 1:30 AM, A ROOF WAS BLOWN OFF OF A BARN AT THE 2500 BLOCK OF DEERWOOD LANE. AT 3:30 AM, MULTIPLE TREES WERE BLOWN DOWN AT THE TRINITY RESCUE MISSION FREEDOM FARM FACILITY. A ROOF WAS BLOWN OFF OF ONE OF THE BUILDINGS AND A FENCE WAS BLOWN DOWN.

BAKER

MULTIPLE TREES WERE BLOWN DOWN ACROSS THE COUNTY. LARGE TREES 18-20 INCHES IN DIAMETER WERE BLOWN DOWN ABOUT 3 MILES WNW OF MACCLENNY.

MARION

MARION COUNTY EXPERIENCED WIDESPREAD TREE AND POWER LINE DAMAGE FROM TROPICAL STORM FORCE WINDS. A LOCATION ABOUT 5 MILES ENE OF OCALA MEASURED A 24-HR RAINFALL TOTAL ON 9/10 OF 7.30 INCHES, WHICH WAS IN ADVANCE OF IRMA'S HEAVY RAINFALL BAND. AT 1 AM ON 9/11, TREES AND POWER LINES WERE BLOWN DOWN ABOUT 10 MILES SW OF SANTOS. AT 1 AM, TREES WERE BLOWN DOWN AND BLOCKED THE ROAD ALONG SE 50TH TERRACE. TREES AND POWER LINES WERE BLOWN DOWN OVER THE ROAD AT THE INTERSECTION OF SE 50TH TERRACE AND SE 21ST STREET IN OCALA.

ADDITIONAL REPORTS OF TREES AND POWER LINES BLOWN DOWN CONTINUED THROUGH THE PRE-DAWN HOURS ON 9/11 AROUND OCALA WITH A REPORT OF A TREE BLOWN DOWN ONTO A ROOF ON SW 41ST AVENUE IN OCALA. AT 2:20 AM, POWER LINES WERE BLOWN DOWN INTO A YARD ON 38TH STREET IN OCALA, AND AT 2:40 AM, A 12-INCH IN DIAMETER CRUSHED A VEHICLE AND TORE A HOLE INTO A ROOF ALONG SE 47TH PLACE IN OCALA. AT 8:35 PM ON 9/11, A PUBLIC REPORT OF 5.42 INCHES ABOUT 5 MILES ENE OF OCALA WAS RELAYED AS A STORM TOTAL RAINFALL FROM IRMA.

NASSAU

ON 9/11, A PRIVATE WEATHER STATION ON DUNES ROW AT THE SOUTH END OF AMELIA ISLAND AT 60 FT ELEVATION MEASURED A WIND GUST OF 106 MPH, BETWEEN 1 AM AND 2:30 AM. AT 3 AM, SEVERAL TREES WERE BLOWN DOWN ONTO HOMES NEAR FERNANDINA BEACH. AT 2 AM, THE FERNANDINA BEACH NOS TIDE GAUGE MEASURED WATER LEVEL RISES OF 3.5 TO 4 FT ABOVE MHHW DATUM.

CLAY

CLAY COUNTY EXPERIENCED WIDESPREAD WIND DAMAGE INCLUDING TREES DOWN, POWER LINES DOWN, AND STRUCTURAL DAMAGE DUE TO TROPICAL STORM FORCE WINDS. RAPID RIVER RISES AND EXTREMELY HEAVY RAINFALL CAUSED HISTORIC RIVER FLOODING ALONG THE ST. JOHNS RIVER AND BLACK CREEK, AS WELL AS TRIBUTARIES OF THESE RIVERS. AT 3:04 AM, 3 FT OF STORM SURGE ABOVE MHHW WAS REPORTED AT THE I-295 BRIDGE AND THE ST. JOHNS RIVER. NUMEROUS RIVER FRONT HOMES LOST PROPERTY AND HAD EXTENSIVE DOCK AND PIER DAMAGE, INCLUDING MANY STRUCTURES AND BOATS WASHED AWAY FROM THE SURGE. RIVER WATERS ROSE TO LEVELS EXCEEDING PRIOR MAJOR STAGE RECORDS. SEVERAL HELICOPTER RESCUES OCCURRED ALONG BLACK CREEK.

CAMDEN

TREES AND POWER LINES WERE DAMAGED NEAR SAINT MARYS DUE TO TROPICAL STORM FORCE WINDS. DOZENS OF PEOPLE WERE RESCUED BY BOATS DUE TO STORM SURGE AND RAINFALL FLOODING. LANGS MARINE IN ST. MARYS WAS HEAVILY DAMAGED, WITH DOCKS, PIERS AND BOATS DAMAGED AS WELL ALONG THE ST. MARYS RIVER DUE TO BOTH STORM SURGE AND TROPICAL STORM WINDS.

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Legend:

I-Incomplete Data

E-Estimated

NWS JAX