

POST TROPICAL CYCLONE REPORT...TROPICAL STORM MICHAEL...CORRECTED
 NATIONAL WEATHER SERVICE CHARLESTON SC
 404 AM EST SAT NOV 10 2018

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 MICHAEL

COUNTIES INCLUDED...CHARLESTON...BERKELEY...DORCHESTER...COLLETON...
 BEAUFORT...JASPER...HAMPTON...ALLENDALE...CHATHAM...EFFINGHAM...
 SCREVEN...JENKINS...BULLOCH...BRYAN...LIBERTY...EVANS...CANDLER...
 TATTNALL...LONG...MCINTOSH

OCT 17...CORRECTED FOR...BUOYS 41004/41008 AND FBIS1

NOV 10...CORRECTED FOR...METAR...NON-METAR AND MARINE OBSERVATIONS

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	Lon	PRES	TIME	SUST	TIME	GUST	TIME
DEG	DECIMAL	(MB)	(UTC)	(DIR/KT)	(UTC)	(DIR/KT)	(UTC)
KCHS-CHARLESTON INTL AIRPORT-SC							
32.90	-80.04	1000.3	11/1056	190/031	11/1156	200/045	11/1156
KSAV-SAVANNAH INTL AIRPORT-GA							
32.13	-81.20	999.3	11/0753	170/032	11/0653	180/046	11/0653
KNBC-BEAUFORT MARINE CORPS AIR STATION-SC							
32.49	-80.70	999.3	11/0956	210/027	11/1252	180/042	11/0903
KSVN-HUNTER ARMY AIR FIELD-GA							
32.01	-81.13	999.3	11/0756	160/023	11/0525	190/039	11/0756
KLHW-FORT STEWART-GA							
31.89	-81.56	999.0	11/0656	240/022	11/1356	190/035	11/0825
KHXD-HILTON HEAD AIRPORT-SC							
32.23	-80.69	1001.0	11/0915	190/027	11/1150	190/040	11/1150
KARW-BEAUFORT COUNTY AIRPORT-SC							
32.41	-80.63	999.7	11/0935	180/027	11/0915	190/042	11/0955
KLRO-MOUNT PLEASANT REGIONAL AIRPORT-SC							
32.90	-79.78	1001.4	11/1115	170/026	11/1115	200/046	11/1315
KDYB-SUMMERVILLE-SC							
33.06	-80.28	999.0	11/1115	180/018	11/1055	180/037	11/1055
KMKS-MONCKS CORNER-SC							

33.19 -80.04 999.0 11/1155 210/024 11/1415 220/036 11/1515

KCWV-CLAXTON-GA

32.20 -81.88 996.9 11/0655 100/020 11/0355 110/036 11/0455

KJZI-CHARLESTON EXECUTIVE AIRPORT-JOHNS ISLAND-SC

32.70 -80.01 1001.0 11/1135 170/030 11/0955 180/042 11/1115

KAQX-ALLENDALE COUNTY AIRPORT-ALLENDALE-SC

32.99 -81.27 994.2 11/0855 150/024 11/0815 170/040 11/0835

KRBW-LOWCOUNTRY REGIONAL AIRPORT-WALTERBORO-SC

32.93 -80.64 998.3 11/1015 170/032 11/0955 170/045 11/0955

KTBR-STATESBORO-GA

32.49 -81.74 995.6 11/0735 170/026 11/0535 170/043 11/0655

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)	(DIR/KT)	(UTC)	(DIR/KT)	(UTC)

XIOP-ISLE OF PALMS-SC							
32.78	-79.79	1000.0	11/1140	220/036	11/1345	210/050	11/1230
				09/01			
XSUL-SULLIVANS ISLAND-SC							
32.77	-79.82	999.0	11/1140	190/036	11/1130	210/048	11/1300
				13/01			
XCHA-CHARLESTON/BATTERY POINT-SC							
32.76	-79.95	998.0	11/1150	180/026	11/1100	200/041	11/1300
				10/01			
XFOL-FOLLY BEACH PIER-SC							
32.65	-79.94	1000.0	11/1024	220/038	11/1424	180/050	11/1129
				13/01			
XBUF-BEAUFORT-SC							
32.34	-80.59	997.0	11/0942	200/030	11/0912	200/046	11/1012
				10/01			
XTYB-TYBEE ISLAND NORTH-GA							
32.02	-80.84	999.0	11/0849	130/027	09/2059	180/039	11/0854
				10/01			
XTYE-TYBEE ISLAND SOUTH-GA							
31.99	-80.85	999.0	11/0902	180/038	11/0812	160/050	11/0317
				09/01			
SAXG1-SAPELO ISLAND RESERVE-GA							
31.42	-81.30	1001.7	11/0815	180/030	11/0500	180/042	11/0245
				10/-			
SVNS1-SAVANNAH NWR RAWS-SC							
32.10	-81.08	9999.9	99/9999	160/020	11/0623	160/039	11/0623
				6/-			

KCXM-DOWNTOWN CHARLESTON-SC
32.78 -79.93 994.9 11/1120 I 180/030 11/1120 180/039 11/1030
10/-

ABRS1-ACE BASIN RAWLS-SC
32.66 -80.40 9999.9 99/9999 I 170/024 11/0955 170/041 11/0955
6/1

PNOS1-PINOPOLIS/LAKE MOULTRIE-SC
33.25 -80.03 250/023 11/1830 230/036 11/1750

REMARKS:

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)	(DIR/KT)	(UTC)	(DIR/KT)	(UTC)

XSUM-FT. SUMTER/CHARLESTON HARBOR							
32.75	-79.87	1000.0	11/1136	220/042	11/1241	220/050	11/1241
				12/01			
XCLB-CALIBOGUE SOUND							
32.10	-80.84	998.0	11/0920	170/037	11/0800	170/051	11/0855
				06/01			
41004-NDBC EDISTO BUOY							
32.50	-79.10	1003.3	11/1830	---/039	11/1428 I	---/045	11/1210 I
				04/01			
41008-NDBC GRAYS REEF BUOY							
31.40	-80.87	1002.1	11/0750	180/034	11/0750	150/043	11/0231
				05/10			
CHTS1-CHARLESTON NOS TIDE GAGE-SC							
32.78	-79.93	1001.4	11/1124	150/032	11/0624	160/040	11/1048
				6.5			
FPKG1-FORT PULASKI NOS TIDE GAGE-GA							
32.03	-80.90	1001.0	11/0800	110/025	09/2024	180/037	11/0612
				6.5			
41029-CARO COOPS CAPERS NEARSHORE BUOY-CAP2							
32.81	-79.63	1000.6	11/1508	220/031	11/1308	220/053	11/1308
				03/-			
41033-CARO COOPS FRIPP NEARSHORE BUOY-FRP2							
32.28	-80.41	1000.6	11/1508	180/029	11/0708	180/043	11/0708
				03/-			
FBIS1-FOLLY BEACH C-MAN-SC							
32.69	-79.89	1002.0	11/1200	210/039	11/1320	190/048	11/1213
				10/10			

REMARKS: NO WIND DIRECTION DATA AVAILABLE AT BUOY 41004.

C. STORM TOTAL RAINFALL FROM 1200 UTC OCT 09 UNTIL 1200 UTC OCT 12

CITY/TOWN LAT LON DEG DECIMAL	COUNTY	ID	RAINFALL (IN)
JAMESTOWN 33.28 -79.70	BERKELEY	JAMS1	3.65
FORT STEWART 31.96 -81.46	BRYAN	FSBG1	3.56
7 W BLUFFTON 32.21 -80.98	BEAUFORT	SC-BF-50	3.17
4 E MONCK'S CORNER 33.19 -79.94	BERKELEY	SC-BK-38	3.15
4 W SUMMERVILLE 33.03 -80.23	DORCHESTER	SMVS1	3.01
2 SW DAUFUSKIE ISLAND 32.10 -80.88	BEAUFORT	SC-BF-23	3.00
2 NNE BLUFFTON 32.26 -80.85	BEAUFORT	SC-BF-4	3.00

REMARKS:

D. INLAND FLOODING...

BERKELEY...HEAVY RAINFALL CAUSED THE SANTEE RIVER AT JAMESTOWN TO REACH MINOR FLOOD STAGE ON OCTOBER 12.

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
CHARLESTON	G CHARLESTON	2.07	1.67	11/0712	MINOR
CHATHAM	G FT PULASKI	2.29	1.78	11/0654	MINOR

REMARKS: THE DATE AND TIMES ABOVE CORRESPOND TO THE PEAK STORM SURGE. THE PEAK STORM TIDES OCCURRED AT DIFFERENT TIMES THAN THE PEAK STORM SURGES. AT CHARLESTON, SC THE PEAK STORM TIDE OF 1.67 FT MEAN HIGHER HIGH WATER (MHHW) OR 7.44 FT MEAN LOWER LOW WATER (MLLW) OCCURRED AT 1312 UTC ON OCTOBER 9. AT FORT PULASKI, GA, THE PEAK STORM TIDE OF 1.78 FT MHHW OR 9.29 MLLW OCCURRED AT 1130 UTC ON OCTOBER 9.

F. TORNADOES...

(DIST) CITY/TOWN LAT LON (DEG DECIMAL) DESCRIPTION	COUNTY	DATE/ TIME (UTC)	EF SCALE (IF KNOWN)
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 G. STORM IMPACTS BY COUNTY...

COUNTY DESCRIPTION	DEATHS	INJURIES	EVACUATIONS
CHARLESTON	0	0	0

NINE REPORTS OF TREES AND SOME POWERLINES DOWN ACROSS THE COUNTY. ONE TREE FELL ON A CAR AND ANOTHER ON A HOME...BUT NO INJURIES WERE REPORTED. ON OCTOBER 11...THE COMBINATION OF HIGH STORM TIDE AND WAVE ACTION IN CHARLESTON HARBOR LED TO WAVES OVERTOPPING THE SEA WALL ALONG CHARLESTON BATTERY AT THE SOUTHERN TIP OF CHARLESTON PENINSULA. BROADCAST MEDIA VIDEO ALSO SHOWED MURRAY BLVD NEAR THE SEA WALL FLOODED. ALSO ON OCTOBER 11...VIDEO ON SOCIAL MEDIA INDICATED THAT HIGH TIDES AND WAVE ACTION RESULTED IN DAMAGE TO THE GANGWAY AND DOCK TO THE CHARLESTON HARBOR RESORT AND MARINA.

CHATHAM	0	0	0
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THIRTEEN REPORTS OF TREES AND POWERLINES DOWN, WITH TWO REPORTS OF A TREE LIMB FALLING ON A ROOF OF A HOME. STRONG WINDS BLEW DOWN MULTIPLE SHIPPING CONTAINERS AT THE GA PORT AT THE PORT WENTWORTH FACILITY.

BEAUFORT	0	0	0
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TEN REPORTS OF TREES/POWERLINES DOWN.

DORCHESTER

ELEVEN REPORTS OF TREES/POWERLINES/UTILITY POLES DOWN.

COLLETON	0	0	0
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EIGHT REPORTS OF TREES/POWERLINES DOWN.

BERKELEY	0	0	0
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FOUR REPORTS OF TREES DOWN.

BRYAN	0	0	0
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TWO REPORTS OF TREES DOWN.

JASPER	0	0	0
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ONE REPORT RECEIVED OF A TREE DOWN.

HAMPTON	0	0	0
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ONE REPORT RECEIVED OF A TREE DOWN.

CANDLER	0	0	0
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ONE REPORT OF POWERLINES DOWN IN METTER.

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LEGEND:

I-INCOMPLETE DATA
E-ESTIMATED

NWS CHARLESTON