

POST TROPICAL CYCLONE REPORT...HURRICANE DORIAN...UPDATED
 NATIONAL WEATHER SERVICE CHARLESTON SC
 1057 AM EDT SAT OCT 12 2019

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 DORIAN
 OR ITS REMNANTS WAS AFFECTING THE AREA.

COUNTIES INCLUDED...BEAUFORT...BERKELEY...CHARLESTON...
 CHATHAM...COLLETON...DORCHESTER...EFFINGHAM...JASPER...LIBERTY...
 LONG...MCINTOSH...

SEP 17...UPDATED FOR...WATER LEVEL AND STORM EFFECTS SECTIONS

OCT 2...UPDATED FOR...METAR DATA AND TIME RANGE OF RAINFALL

OCT 12...UPDATED FOR...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	LONG	PRES	TIME	SUST	TIME	GUST	TIME
DEG	DECIMAL	(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KCHS-CHARLESTON INTL AIRPORT							
32.90	-80.04	993.2	05/1456	350/045	05/1549	340/060	05/1548
KSVN-HUNTER ARMY AIR FIELD							
32.01	-81.13	999.7	05/0826	300/025	05/1220	310/039	04/1029
KLHW-FORT STEWART							
31.89	-81.56	1003.0	05/0725	020/022	04/1506	310/035	05/1832
KLRO-MOUNT PLEASANT REGIONAL AIRPORT							
32.90	-79.78	988.5	05/1515	330/031	05/1655	330/051	05/1655
KARW-BEAUFORT COUNTY AIRPORT							
32.41	-80.63	999.7	05/0615	020/035	05/0615	020/045	05/0615
KRBW-LOWCOUNTRY REGIONAL AIRPORT							
32.93	-80.64			340/022	05/1455	360/035	05/1315
KMKS-MONCKS CORNER SC							
33.19	-80.04	990.2	05/0955	I 030/030	05/0915	I 030/044	05/0915
KJZI-CHARLESTON EXECUTIVE AIRPORT SC							
32.70	-80.01			030/027	05/0435	I 030/040	05/0435
KDYB-SUMMERVILLE SC							
33.06	-80.28	993.2	05/0815	I 030/022	05/0855	I 030/038	05/0855
KSAV-SAVANNAH INTL AIRPORT GA							
32.13	-81.20	1001.0	05/0853	010/025	04/2329	010/039	04/2335
KHXD-HILTON HEAD AIRPORT SC							

32.22 -80.70 993.6 05/0855 010/046 05/0535 010/058 05/0535

KNBC-BEAUFORT MCAS SC

32.49 -80.70 998.6 05/0956 I 300/020 05/1956 I 320/034 05/2104 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)

KCXM-DOWNTOWN CHARLESTON

32.78 -79.93 984.4 05/1540 020/037 05/0840 010/049 05/0810
10/10

ABRS1-ACE BASIN-RAWS SC

32.66 -80.40 340/027 05/1255 360/052 05/1055
06/--

SAXG1-SAPELO ISLAND RESERVE

31.42 -81.30 1001.1 05/0700 010/033 04/1845 070/048 04/0945

XIOP-ISLE OF PALMS

32.78 -79.79 986.2 05/1511 050/036 05/0441 050/053 05/0441
09/05

XFOL-FOLLY BEACH PIER

32.65 -79.94 987.9 05/1327 030/042 05/0417 030/059 05/0417
13/05

XBUF-BEAUFORT

32.35 -80.59 993.1 05/0902 360/030 05/0902 350/053 05/1342
10/05

XTYB-TYBEE ISLAND NORTH

32.03 -80.84 993.5 05/0804 360/033 05/0539 360/052 05/0539
10/05

XTYE-TYBEE ISLAND SOUTH

31.99 -80.84 995.1 05/0812 320/036 05/1247 320/048 05/1247
09/05

XCHA-CHARLESTON/BATTERY POINT

32.76 -79.95 986.4 05/1528 330/044 05/1548 330/058 05/1548
10/05

XSUL-SULLIVANS ISLAND

32.77 -79.82 985.0 05/1513 350/034 05/1548 350/057 05/1523
13/05

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)

FBIS1-FOLLY BEACH C-MAN-SC						
32.69	-79.89	988.5	05/1400	030/043	05/0510	340/058 05/1355 10/10
41004-NDBC EDISTO BUOY						
32.50	-79.10	959.2	05/1600	---/074	05/1801	---/086 05/1810 04/01
41008-NDBC GRAYS REEF BUOY						
31.40	-80.87	994.1	05/0550	030/052	04/2312	020/064 04/2032 05/01
41029-CARO COOPS CAPERS NEARSHORE BUOY-CAP2						
32.81	-79.63	983.7	05/1553	090/049	05/1523	060/080 05/1653 03/08
FPKG1-FORT PULASKI NOS TIDE GAGE-GA						
32.03	-80.90	998.1	05/0800	010/038	05/0542	010/050 05/0542 07/02
CHTS1-CHARLESTON NOS TIDE GAGE-SC						
32.78	-79.93	990.0	05/1506	022/036	05/0342	360/051 05/0918 09/02
XSUM-FT. SUMTER/CHARLESTON HARBOR						
32.75	-79.87	985.3	05/1516	350/054	05/1606	350/070 05/1606 12/05
XCLB-CALIBOGUE SOUND						
32.11	-80.83	994.3	05/0755	350/035	05/0615	350/051 05/0635 06/05
XSHF-SHUTES FOLLY						
32.77	-79.91	986.0	05/1528	350/053	05/1538	350/070 05/1628 13/05

REMARKS: REMOVED 41033-CARO COOPS FRIPP NEARSHORE BUOY BASED ON ISSUES WITH THE WIND SENSOR THAT WERE CONFIRMED AFTER THE STORM.

C. STORM TOTAL RAINFALL FROM 1000 UTC SEP 04 UNTIL 1000 UTC SEP 6

CITY/TOWN LAT LON DEG DECIMAL	COUNTY	ID	RAINFALL (IN)

7 NE MCCLELLANVILLE 33.15 -79.36	CHARLESTON	SRES1	11.79
MCCLELLANVILLE 33.08 -79.46	CHARLESTON	SC-CR-10	10.70
1 ESE MCCLELLANVILLE 33.08 -79.46	CHARLESTON	SC-CR-33	10.12
4 NE MOUNT PLEASANT 32.87 -79.82	CHARLESTON	SC-CR-158	10.12
8 NE MOUNT PLEASANT 32.90 -79.75	CHARLESTON	SC-CR-146	9.95

7 NE MOUNT PLEASANT 32.90 -79.79	CHARLESTON	SC-CR-112	9.75
2 NNW CHARITY 33.03 -79.86	BERKELEY		9.54
6 NE MOUNT PLEASANT 32.90 -79.80	CHARLESTON	SC-CR-69	9.37
MOUNT PLEASANT 32.80 -79.90	CHARLESTON	MWPS1	9.23
3 SW MOUNT PLEASANT 32.79 -79.89	CHARLESTON	SC-CR-159	8.89
2 N MOUNT PLEASANT 32.85 -79.87	CHARLESTON	SC-CR-144	8.81
WAMBAW RAWS 32.97 -79.67	CHARLESTON	WMBS1	8.79
5 NE MOUNT PLEASANT 32.88 -79.82	CHARLESTON	SC-CR-132	8.76
2 NNW MOUNT PLEASANT 32.85 -79.87	CHARLESTON	SC-CR-131	8.44
1 SW SOUTH WINDERMERE 32.77 -79.99	CHARLESTON		8.25
3 NNE HUGER 33.13 -79.78	BERKELEY	HUGS1	7.99
2 SW MOUNT PLEASANT 32.80 -79.88	CHARLESTON	SC-CR-180	7.91
MOUNT PLEASANT 32.82 -79.86	CHARLESTON	SC-CR-148	7.90
4 NE MOUNT PLEASANT 32.86 -79.81	CHARLESTON	SC-CR-26	7.89
NWS CHARLESTON SC 32.89 -80.03	CHARLESTON	SC-CR-49	7.75
5 SSE CHARLESTON 32.73 -79.96	CHARLESTON	SC-CR-13	7.69
5 SSE CHARLESTON 32.72 -79.97	CHARLESTON	SC-CR-175	7.67
1 N HANAHAN 32.95 -80.01	BERKELEY	SC-BK-8	7.65
RATHALL CREEK 32.86 -79.88	CHARLESTON	RHCS1	7.40
2 S MOUNT PLEASANT 32.79 -79.86	CHARLESTON	SC-CR-94	7.15
3 NW NORTH CHARLESTON 32.93 -80.07	CHARLESTON	SC-CR-34	7.07

5 NNE MOUNT PLEASANT 32.88 -79.83	CHARLESTON	SC-CR-113	6.89
3 W CHARLESTON 32.79 -80.04	CHARLESTON	SC-CR-178	6.71
CHARLESTON 32.78 -79.99	CHARLESTON	SC-CR-138	6.65
4 ESE NORTH CHARLESTON 32.88 -79.99	CHARLESTON	SC-CR-57	6.21
5 ESE CHARLESTON 32.74 -79.92	CHARLESTON	SC-CR-96	6.18
3 ESE NORTH CHARLESTON 32.89 -79.99	CHARLESTON	SC-CR-78	6.13
3 WNW NORTH CHARLESTON 32.93 -80.08	DORCHESTER	SC-DC-3	6.09
JAMESTOWN 33.28 -79.70	BERKELEY	JAMS1	6.00
5 WNW CHARLESTON 32.81 -80.07	CHARLESTON	SC-CR-97	5.92
DOWNTOWN CHARLESTON 32.78 -79.92	CHARLESTON	CHLS1	5.91
2 NE JOHNS ISLAND 32.72 -80.01	CHARLESTON	SC-CR-74	5.81
5 WNW CHARLESTON 32.81 -80.08	CHARLESTON	SC-CR-22	5.74
WITHERBEE RAWES 33.16 -79.83	BERKELEY	WTHS1	5.65
4 N NORTH CHARLESTON 32.96 -80.06	CHARLESTON	SC-CR-30	5.64
3 NW CHARLESTON 32.82 -80.03	CHARLESTON	SC-CR-157	5.62
1 NNW GOOSE CREEK 33.00 -80.00	BERKELEY	SC-BK-57	5.61
CHURCH CREEK 32.83 -80.07	CHARLESTON	BEES1	5.38
6 WNW CHARLESTON 32.83 -80.09	CHARLESTON	SC-CR-151	5.33
4 SSE NORTH CHARLESTON 32.85 -80.03	CHARLESTON	SC-CR-142	5.12
9 S MONCK'S CORNER 33.07 -79.97	BERKELEY	SC-BK-55	4.99
3 N EDISTO BEACH 32.53 -80.31	CHARLESTON	SC-CR-153	4.66

6 SSE SUMMERVILLE 32.93 -80.13	DORCHESTER	SC-DC-55	3.85
SUMMERVILLE 33.00 -80.17	DORCHESTER	SC-DC-33	3.43
3 E SUMMERVILLE 33.00 -80.13	CHARLESTON	SC-CR-149	3.40
2 N SUMMERVILLE 33.03 -80.17	DORCHESTER	SC-DC-41	3.38
4 W NORTH CHARLESTON 32.91 -80.12	DORCHESTER	SC-DC-57	3.36
5 NNW EDISTO BEACH 32.56 -80.37	CHARLESTON	SC-CR-155	3.32
LINCOLNVILLE 33.00 -80.15	DORCHESTER	SC-DC-54	3.32
ST. STEPHEN 33.41 -79.92	BERKELEY	SC-BK-59	3.25
5 SSE CHARLESTON 32.72 -79.95	CHARLESTON	SC-CR-60	3.24
6 WSW HOLLYWOOD 32.72 -80.30	CHARLESTON	SC-CR-162	3.20
1 SSW SUMMERVILLE 32.99 -80.18	DORCHESTER	SC-DC-36	3.15
4 N MONCKS CORNER 33.24 -79.99	BERKELEY	MKCS1	3.03

D. INLAND FLOODING...

 BERKELEY...SIGNIFICANT EROSION REPORTED UNDER THE BRIDGE ON OLD BACK RIVER ROAD WHERE IT CROSSES FOSTER CREEK. THE ROAD WAS DEEMED UNSAFE FOR TRAVEL DUE TO FLOOD INDUCED EROSION MAKING THE ROADWAY UNSTABLE.

E. MAXIMUM OBSERVED WATER LEVEL (WL)...

ID	CITY/TOWN OR LOCATION	COUNTY	STATE	WL (FT)	DATUM	DATE/ TIME	SOURCE
CHTS1 32.7808	CHARLESTON -79.9236	CHARLESTON	SC	1.75	MHHW	05/0536	NOS
FPKG1 32.0367	FORT PULASKI -80.9017	CHATHAM	GA	2.05	MHHW	04/1742	NOS

REMARKS: THE PEAK SURGE AT CHTS1 WAS 3.52 FEET AT 05/0942 UTC AND THE PEAK SURGE AT FPKG1 WAS 4.02 FEET AT 04/2154 UTC.

F. TORNADOES...

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

G. STORM IMPACTS BY COUNTY...

COUNTY DESCRIPTION	DEATHS	INJURIES	EVACUATIONS
BERKELEY	0	0	0
SOME TREES AND POWERLINES FELL DUE TO STRONG WINDS RESULTING IN ISOLATED TO SCATTERED POWER OUTAGES. SIGNIFICANT EROSION REPORTED UNDER THE BRIDGE ON OLD BACK RIVER ROAD AT FOSTER CREEK.			
MCINTOSH	0	0	0
FOUR TREES WERE REPORTED DOWN ACROSS THE COUNTY, ONE OF WHICH WAS BLOCKING A ROAD.			
LONG	0	0	0
MULTIPLE TREES FELL ACROSS THE COUNTY.			
CHATHAM	0	0	0
SOME TREES AND POWERLINES FELL DUE TO STRONG WINDS RESULTING IN ISOLATED TO SCATTERED POWER OUTAGES.			
BEAUFORT	0	0	0
SOME TREES FELL DUE TO STRONG WINDS RESULTING IN ISOLATED TO SCATTERED POWER OUTAGES. SOME UNMOORED BOATS WASHED ASHORE ALONG SEA ISLAND PARKWAY.			
CHARLESTON	0	2	0
NUMEROUS TREES AND POWERLINES FELL DUE TO STRONG WINDS GUSTING TO HURRICANE FORCE NEAR THE COAST RESULTING IN SCATTERED TO WIDESPREAD POWER OUTAGES, SOME STRUCTURAL DAMAGE AND ROAD CLOSURES AND 2 INJURIES (1 IN MT PLEASANT AND 1 IN WEST ASHLEY). NUMEROUS ROADS WERE CLOSED IN DOWNTOWN CHARLESTON DUE TO FRESHWATER AND SALTWATER FLOODING.			
EFFINGHAM	0	0	0
STRONG WINDS CAUSED A TREE TO FALL ON I-16W AT EXIT 148.			
JASPER	0	0	0
STRONG WINDS RESULTED IN A FEW DOWNED TREES.			
DORCHESTER	0	0	0
SOME TREES AND POWERLINES FELL DUE TO STRONG WINDS RESULTING IN ISOLATED TO SCATTERED POWER OUTAGES, SOME STRUCTURAL DAMAGE AND SOME ROAD CLOSURES.			
COLLETON	0	0	0
STRONG WINDS RESULTED IN A FEW DOWNED TREES.			

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LEGEND:

I-INCOMPLETE DATA

E-ESTIMATED

NWS CHARLESTON