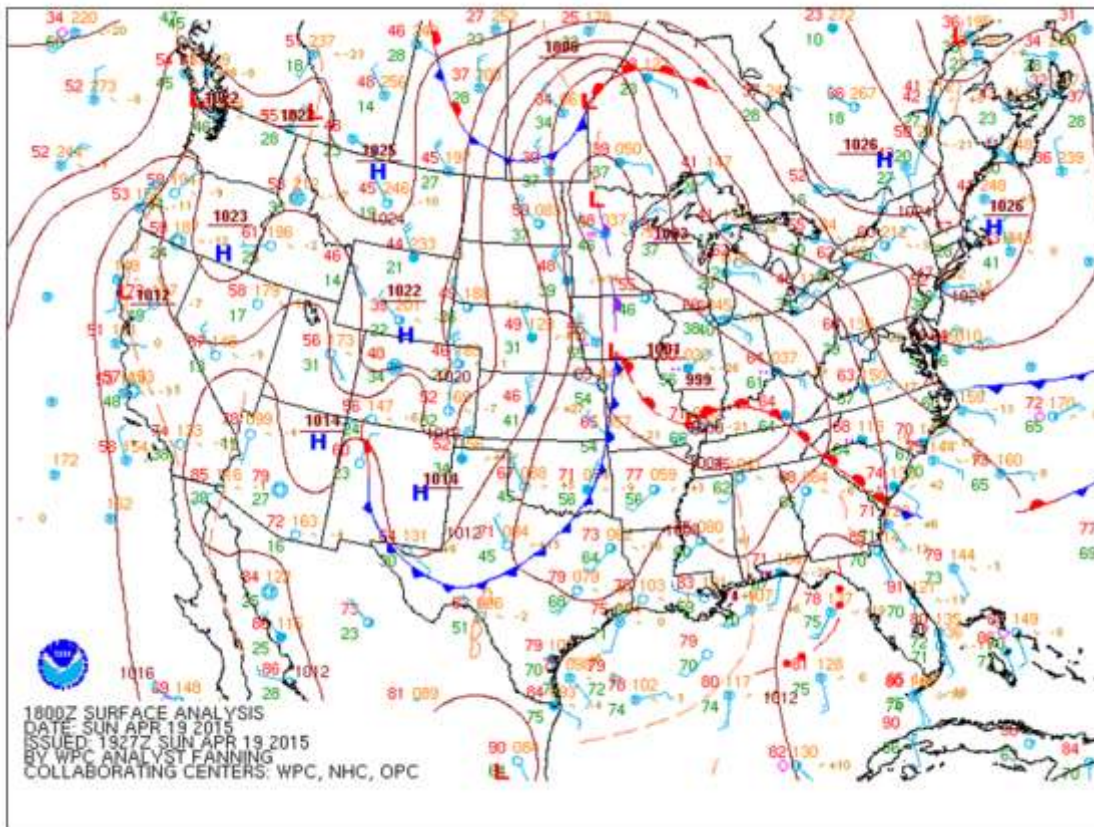
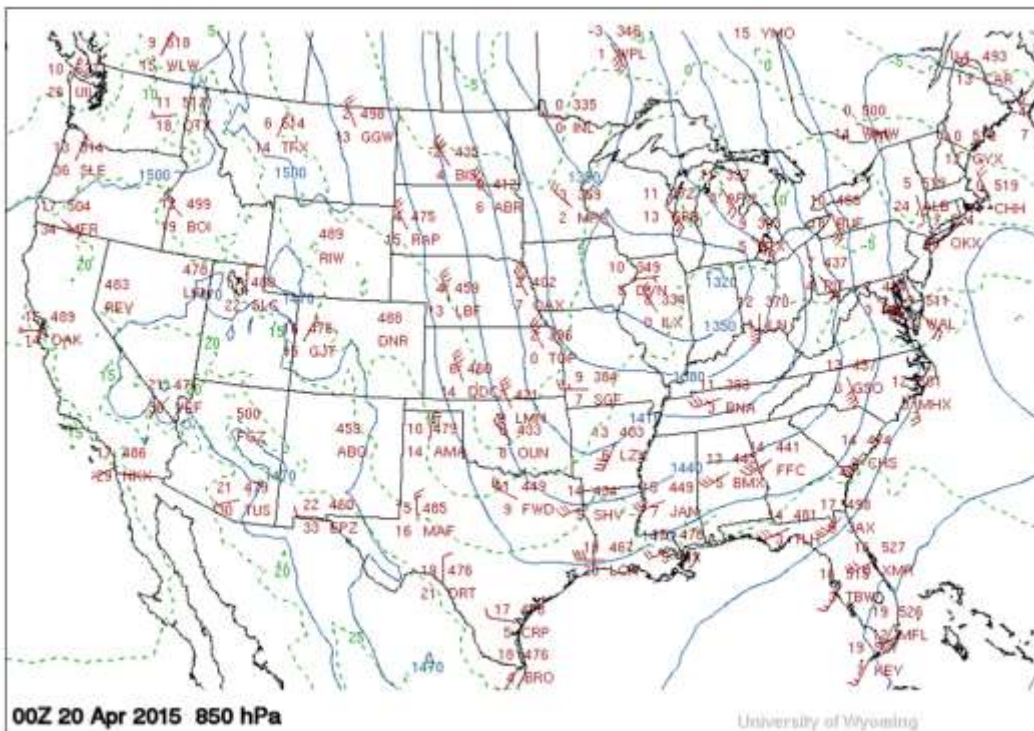
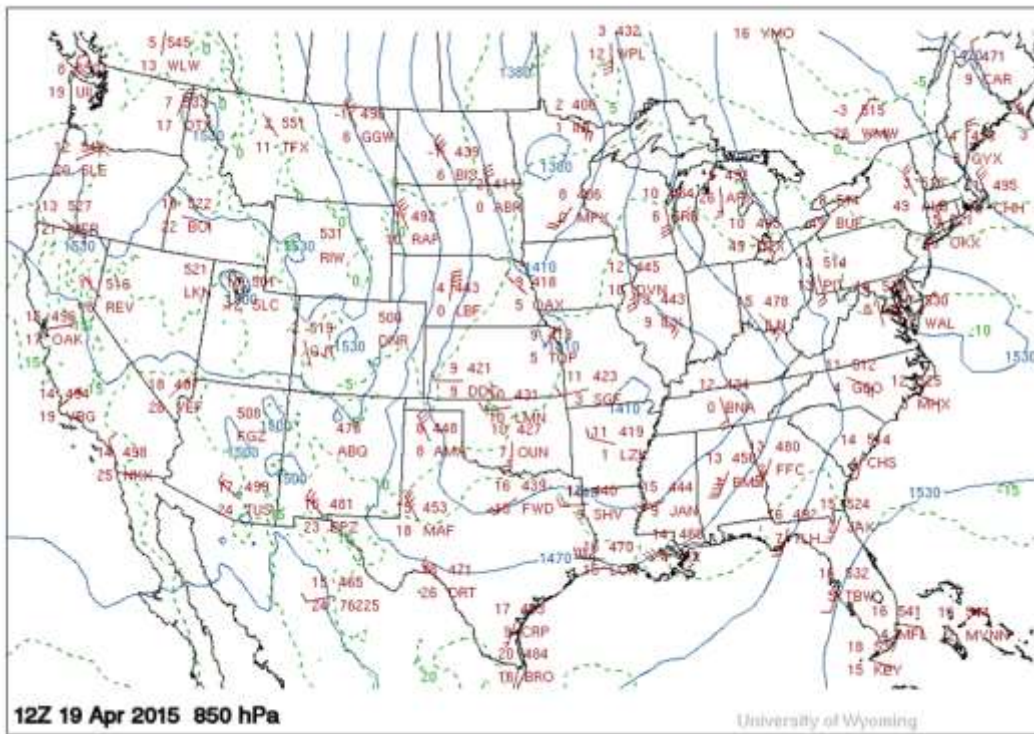


April 19, 2015, Damaging Wind Event

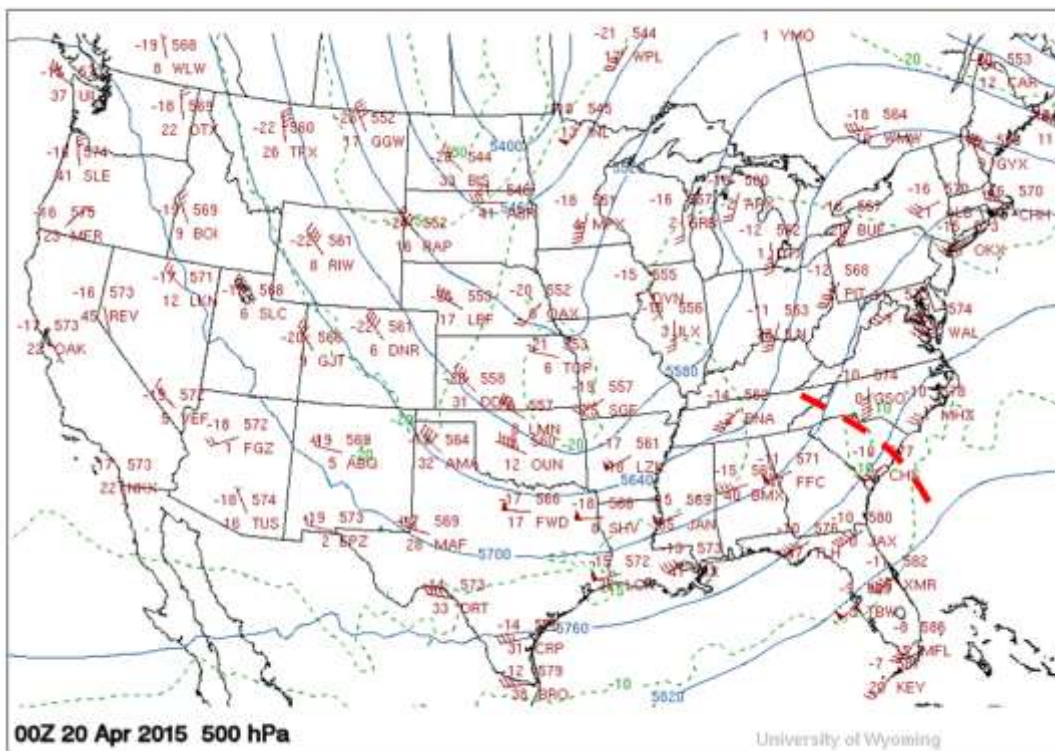
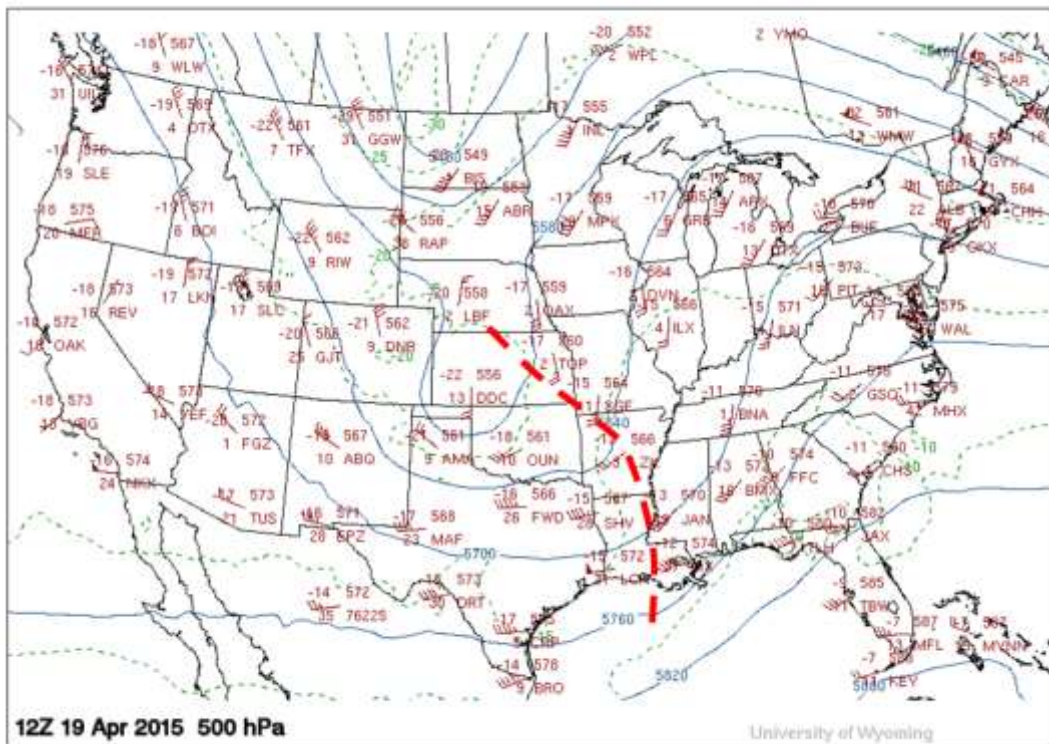
On Sunday, April 19, 2015, an upper level disturbance advanced into an environment featuring sufficient instability, shear and helicity to support severe weather. These factors combined to produce an organized complex of thunderstorms known as a Quasi-Linear Convective System (QLCS) which produced straight-line wind damage at numerous locations across southeast Georgia and southeast South Carolina between 3 and 630 pm EDT. Strong winds continued across adjacent coastal waters as the QLCS pushed offshore during the evening.



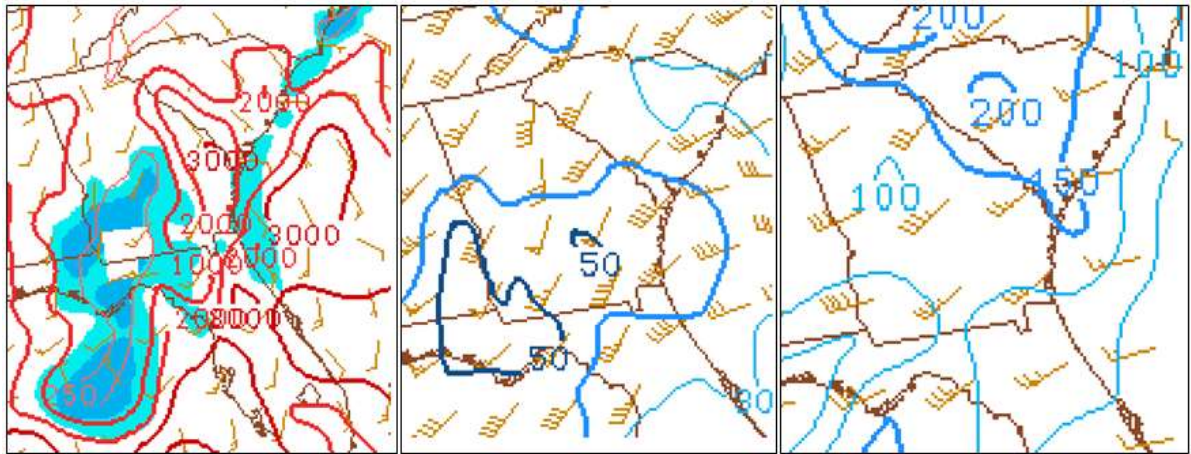
The WPC surface analysis for 18Z (2 pm EDT) depicting a warm front draped across the region. The QLCS initially developed within the upstream warm sector along the Gulf Coast and then advanced toward the east/northeast, impacting a wide swath of the Southeast.



Morning and evening 850 mb observations and analysis. The Southeast resided within the moist, cyclonic circulation centered on low pressure which advanced from the mid Mississippi River Valley toward the lower Great Lakes.



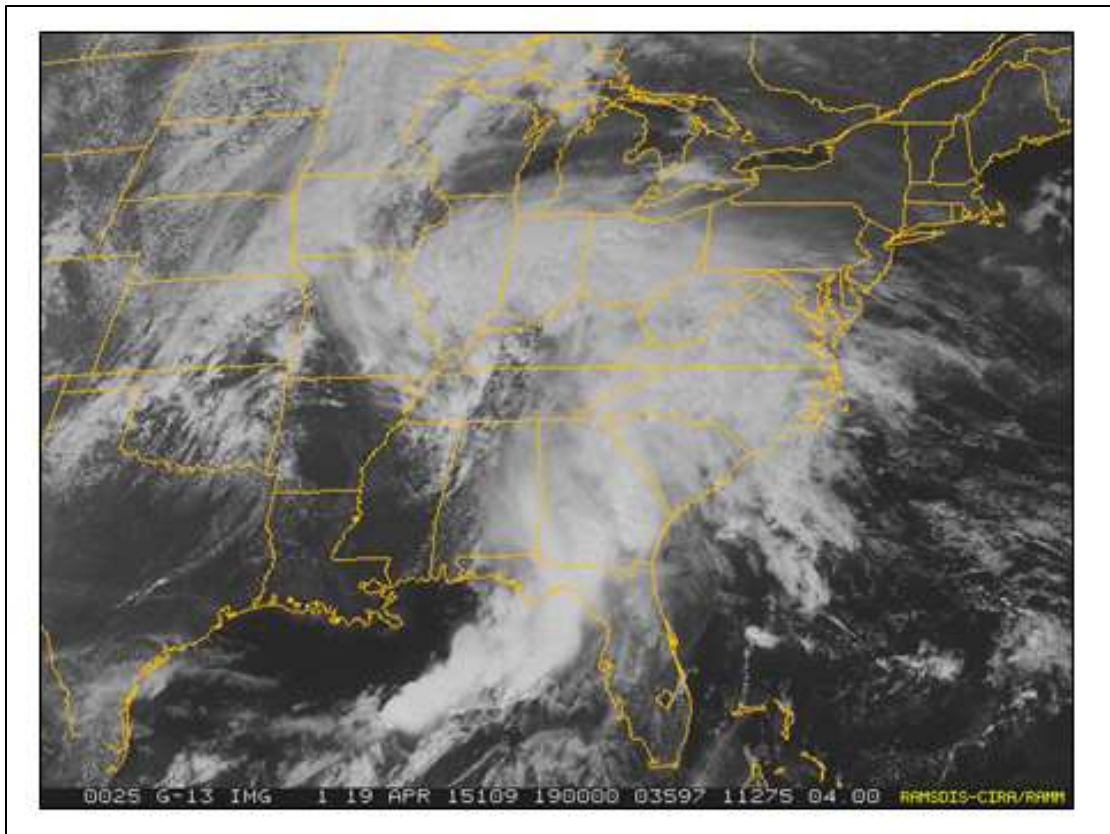
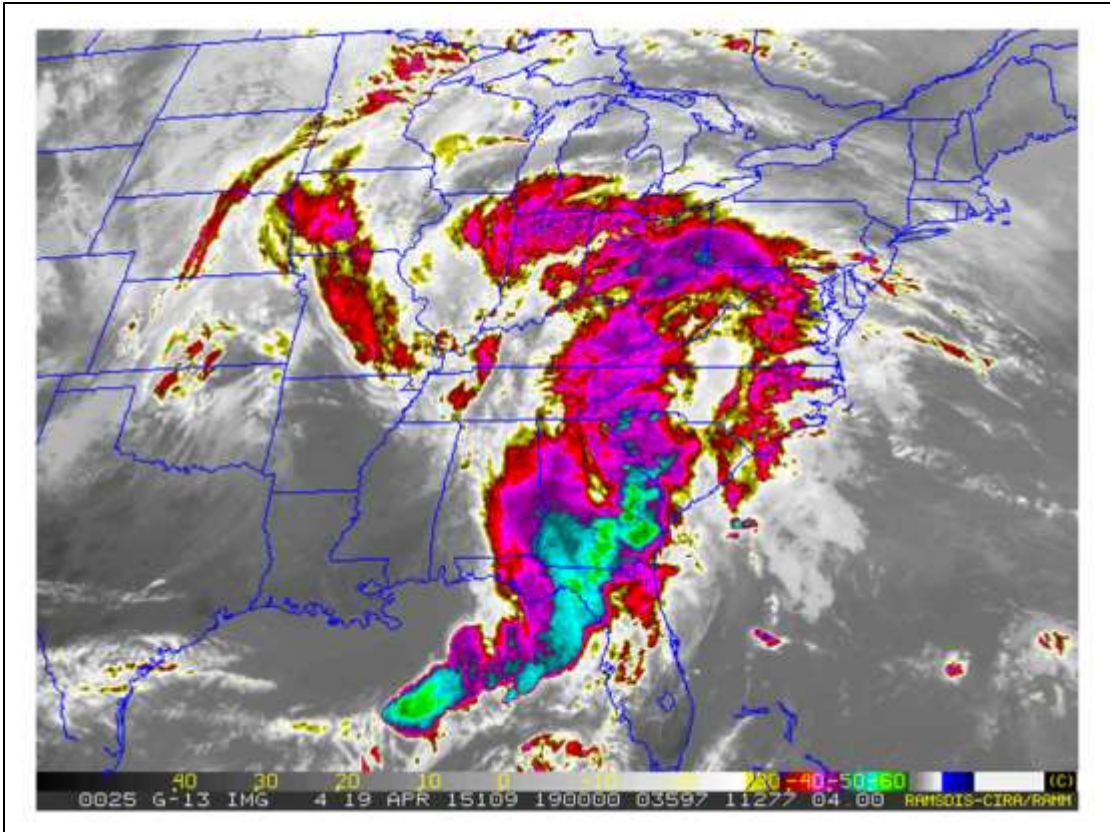
Morning and evening 500 MB observations and analysis. The upper level disturbance denoted by the red dashed line was a key component of this severe weather event.



19Z (3 pm EDT) Storm Prediction Center Mesoanalysis depicting sufficient instability (left panel), shear (middle panel) and low-level helicity (right panel) to support organized severe thunderstorms, including supercells.



As a result of this environment and the approaching upper level disturbance, SPC issued Tornado Watch #79 which included much of our region (Berkeley and Charleston Counties and adjacent coastal waters were added to this Watch later).

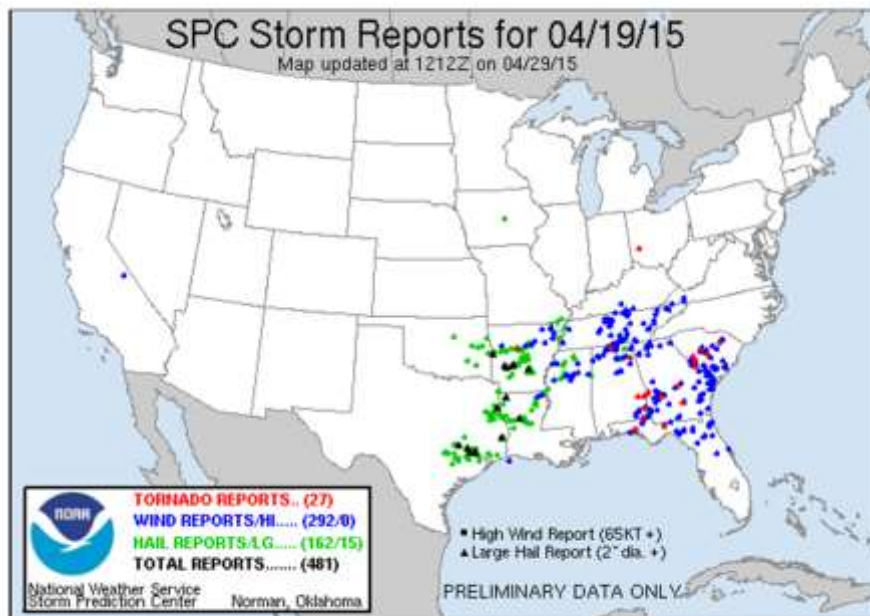


Infrared and visible satellite imagery taken at 19Z (3 pm EDT).





Radar (base reflectivity, 0.5 degrees elevation) imagery from 3 pm, 4 pm and 6 pm EDT.



SPC map of severe weather reports for April 19, 2015.

PRELIMINARY LOCAL STORM REPORT...SUMMARY
 NATIONAL WEATHER SERVICE CHARLESTON SC
 1118 PM EDT SUN APR 19 2015

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

0318 PM	TSTM WND DMG	COLLINS	32.18N 82.10W
04/19/2015		TATTNALL	GA 911 CALL CENTER

TATTNALL COUNTY WARNING POINT REPORTED POWER LINES DOWN AT 6008 HWY 292. TIME ESTIMATED BASED ON RADAR.

0318 PM	TSTM WND DMG	1 ESE COLLINS	32.18N 82.09W
04/19/2015		TATTNALL	GA 911 CALL CENTER

TATTNALL COUNTY WARNING POINT REPORTED POWER LINES DOWN AT HWY 292 AND OLD COLLINS MANASSAS RD. TIME ESTIMATED BASED ON RADAR.

0323 PM	TSTM WND DMG	5 SSE DONALD	31.76N 81.81W
04/19/2015		LONG	GA 911 CALL CENTER

LONG COUNTY WARNING POINT REPORTED A TREE DOWN ACROSS THE ROAD OFF US 301 AT JONES CREEK LOOP. TIME ESTIMATED BASED ON RADAR.

0333 PM	TSTM WND DMG	WALTHOURVILLE	31.77N 81.63W
04/19/2015		LIBERTY	GA PUBLIC

NUMEROUS TREES DOWN ACROSS ROUTE 84.

0349 PM	TSTM WND DMG	MILLHAVEN	32.93N 81.65W
04/19/2015		SCREVEN	GA 911 CALL CENTER

WARNING POINT REPORTED 3 TREES DOWN IN THE NORTHERN PORTIONS OF THE COUNTY.

0350 PM	TSTM WND DMG	STATESBORO	32.45N 81.78W
04/19/2015		BULLOCH	GA 911 CALL CENTER

SEVERAL TREES AND LARGE LIMBS DOWN IN STATESBORO... WEST OF STATESBORO... AND SOUTH OF STATESBORO.

0409 PM	TSTM WND DMG	BURROUGHS	31.97N 81.24W
04/19/2015		CHATHAM	GA EMERGENCY MNGR

EMERGENCY MANAGER REPORTED POWER LINES DOWN AT THE INTERSECTION OF CHEVIS ROAD AND WILD HERON ROAD.

0411 PM TSTM WND DMG 1 ENE BURROUGHS 31.98N 81.23W
04/19/2015 CHATHAM GA BROADCAST MEDIA

BROADCAST MEDIA REPORTS TREE DOWN ON KING GEORGE
BOULEVARD IN GEORGETOWN.

0411 PM TSTM WND DMG 1 NNE BURROUGHS 31.99N 81.24W
04/19/2015 CHATHAM GA EMERGENCY MNGR

TREE DOWN REPORTED AT 1500 BLOCK OF GROVE POINT ROAD.

0421 PM TSTM WND DMG 1 S MONTGOMERY 31.94N 81.11W
04/19/2015 CHATHAM GA EMERGENCY MNGR

EMERGENCY MANAGER REPORTED POWER LINES DOWN AT THE 400
BLOCK OF BEAULIEU AVENUE.

0422 PM TSTM WND DMG 1 W SANDFLY 31.99N 81.09W
04/19/2015 CHATHAM GA EMERGENCY MNGR

EMERGENCY MANAGER REPORTED POWER LINES DOWN AND ON FIRE
AT THE 8500 BLOCK OF KENT DRIVE.

0425 PM FUNNEL CLOUD SPRINGFIELD 32.37N 81.38W
04/19/2015 EFFINGHAM GA TRAINED SPOTTER

A TRAINED SPOTTER REPORTED SMALL FUNNEL CLOUDS
DEVELOPING AND DISSIPATING OVER SPRINGFIELD.

0430 PM TSTM WND DMG ALLENDALE 33.01N 81.31W
04/19/2015 ALLENDALE SC 911 CALL CENTER

TREES DOWN ON RAYZOR ROAD NEAR ROUTE 301.

0430 PM TSTM WND DMG RINCON 32.30N 81.24W
04/19/2015 EFFINGHAM GA PUBLIC

STRONG WINDS SPLIT A LARGE TREE IN TWO.

0430 PM TSTM WND DMG 2 W ULMER 33.10N 81.25W
04/19/2015 ALLENDALE SC DEPT OF
HIGHWAYS

HIGHWAY PATROL REPORTED TREE DOWN ON WELLS BRANCH ROAD
ONE MILE OFF OF HIGHWAY 301.

0431 PM TSTM WND DMG 1 N SCOTIA 32.69N 81.24W
04/19/2015 HAMPTON SC 911 CALL CENTER

WARNING POINT REPORTED MULTIPLE TREES DOWN ON HIGHWAY
321 BETWEEN ESTILL AND GARNETT.

0432 PM TSTM WND DMG 3 W BELLINGER HILL AREA 32.15N 81.05W
04/19/2015 JASPER SC LAW ENFORCEMENT

SC HIGHWAY PATROL REPORTS A TREE DOWN AND IN THE
ROADWAY ON HW-315 NEAR HW-17. TIME ESTIMATED FROM RADAR.

0435 PM TSTM WND DMG 2 WNW BELLINGER HILL AR 32.17N 81.03W
04/19/2015 JASPER SC LAW ENFORCEMENT

SC HIGHWAY PATROL REPORTS A TREE DOWN AND IN THE
ROADWAY ON OKATIE HIGHWAY IN THE BELLINGER HILL AREA.
TIME ESTIMATED FROM RADAR.

0437 PM TSTM WND DMG BRUNSON 32.93N 81.19W
04/19/2015 HAMPTON SC 911 CALL CENTER

WARNING POINT REPORTED MULTIPLE TREES DOWN IN BRUNSON.

0437 PM TSTM WND DMG 2 NW PINELAND 32.62N 81.19W
04/19/2015 JASPER SC LAW ENFORCEMENT

SC HIGHWAY PATROL REPORTS A TREE DOWN AND IN THE
ROADWAY IN THE 300 BLOCK OF TYE BRANCH SPUR NEAR LEE
LAWYER ROAD. TIME ESTIMATED FROM RADAR.

0438 PM TSTM WND DMG 5 SSE HARDEEVILLE 32.22N 81.05W
04/19/2015 JASPER SC TRAINED SPOTTER

TREE DOWN ACROSS ROUTE 170... JUST EAST OF ROUTE 17.

0442 PM TSTM WND DMG 1 WSW PRITCHARDVILLE 32.23N 80.98W
04/19/2015 BEAUFORT SC SOCIAL MEDIA

ONE TREE SNAPPED OFF AND PARTIALLY IN THE ROADWAY ON
NEW RIVERSIDE DRIVE...NEAR ALSTON PARK...ABOUT 1 MILE
SOUTH OF THE MAY RIVER ROAD AND HW-170 TRAFFIC CIRCLE.
TIME ESTIMATED FROM RADAR.

0449 PM TSTM WND DMG 2 ESE SUN CITY 32.28N 80.92W
04/19/2015 BEAUFORT SC PUBLIC

TREE DOWN AND PORCH FURNITURE BLOWN ACROSS YARD IN THE
20 BLOCK OF ST SIMONS DRIVE.

0451 PM TSTM WND DMG 4 SW CUMMINGS 32.75N 81.04W
04/19/2015 HAMPTON SC 911 CALL CENTER

WARNING POINT REPORTED TREE DOWN ON HIGHWAY 278 NEAR
JASPER COUNTY.

0451 PM TSTM WND DMG 3 S ALMEDA 32.78N 81.06W

04/19/2015
HIGHWAYS

HAMPTON

SC DEPT OF

HIGHWAY PATROL REPORTED TREE DOWN AT THE INTERSECTION
OF HIGHWAY 278 AND ROCK SPRING ROAD.

0457 PM
04/19/2015
HIGHWAYS

TSTM WND DMG 2 NNW CALAWASSIE ISLAND 32.36N 80.87W
JASPER SC DEPT OF

HIGHWAY PATROL REPORTED TREE DOWN AT THE INTERSECTION
OF OKATIE HIGHWAY AND SNAKE ROAD.

0500 PM
04/19/2015

TSTM WND DMG 3 NNE GRAHAMVILLE 32.51N 80.94W
JASPER SC LAW ENFORCEMENT

SC HIGHWAY PATROL REPORTS A TREE DOWN AND IN THE
ROADWAY ON CLOVER CIRCLE NEAR THE INTERSECTION WITH BEES
CREEK ROAD. TIME ESTIMATED FROM RADAR.

0519 PM
04/19/2015
HIGHWAYS

TSTM WND DMG 5 ENE RUFFIN 33.03N 80.74W
COLLETON SC DEPT OF

HIGHWAY PATROL REPORTED TREE DOWN AT THE INTERSECTION
OF MOUNT CARMEL ROAD AND LIGHTSEY WAY.

0520 PM
04/19/2015

TSTM WND DMG 1 S SMOAKS 33.07N 80.81W
COLLETON SC 911 CALL CENTER

A TREE DOWN ONTO ROUTE 21 NEAR MOUNT CARMEL ROAD.

0538 PM
04/19/2015

TSTM WND DMG 2 ESE WALTERBORO 32.89N 80.63W
COLLETON SC LAW ENFORCEMENT

SC HIGHWAY PATROL REPORTS A TREE DOWN AND IN THE
ROADWAY ON CHARLESTON HIGHWAY NEAR THE INTERSECTION WITH
SMOAK ROAD. TIME ESTIMATED FROM RADAR.

0548 PM
04/19/2015
HIGHWAYS

TSTM WND DMG 3 WNW ROUND O 32.95N 80.59W
COLLETON SC DEPT OF

TREES ACROSS COOLERS DAIRY ROAD NEAR CHESTNUT ROAD.
TIME ESTIMATED BASED ON RADAR.

0615 PM
04/19/2015

TSTM WND DMG LADSON 32.99N 80.11W
CHARLESTON SC 911 CALL CENTER

TREE DOWN ON A POWER LINE.

0616 PM TSTM WND DMG 2 SE LADSON 32.97N 80.09W
04/19/2015 CHARLESTON SC 911 CALL CENTER

TREE AND POWER LINES DOWN AT HIGHWAY 78 AND SHIPLEY STREET.

0617 PM TSTM WND DMG 6 SE SUMMERVILLE 32.96N 80.10W
04/19/2015 CHARLESTON SC PUBLIC

A 50 TO 60 FEET TALL OAK TREE FELL... WITH PART OF IT BRUSHING AND CAUSING SLIGHT DAMAGE TO A HOUSE.

0620 PM TSTM WND DMG 1 NNW GOOSE CREEK 33.00N 80.04W
04/19/2015 BERKELEY SC FIRE
DEPT/RESCUE

LARGE TREE BLOWN INTO AN ATTACHED GARAGE AND VEHICLE. NO INJURIES. TIME ESTIMATED BASED ON RADAR.

0624 PM TSTM WND DMG 3 S CROSS 33.28N 80.16W
04/19/2015 BERKELEY SC 911 CALL CENTER

TREES DOWN NEAR HIGHWAY 6 AND MOUNT OLIVET ROAD. TIME ESTIMATED FROM RADAR.

0630 PM TSTM WND DMG 1 SW DON HOLT BRIDGE 32.88N 79.98W
04/19/2015 CHARLESTON SC SOCIAL MEDIA

SEVERAL TREES DOWN IN THE PARK CIRCLE AREA. TIME ESTIMATED BASED ON RADAR.

0843 PM MARINE TSTM WIND 39 SSE CENTENARY 32.50N 79.10W
04/19/2015 M49 MPH AMZ370 SC BUOY

BUOY 41004 GUSTED TO 43 KNOTS AT 843 PM EDT.

&&

\$\$