



Time Path Path Number of Estimated November 2002
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

ALABAMA, Central

NONE REPORTED.

ALABAMA, North

 $ALZ002\text{-}006\text{-}019\text{-}023{>}024\text{-}$ Colbert - Madison - Calhoun - Tuscaloosa - Jefferson - Montgomery 044

10	1500CST		0	0	0	0	Excessive Heat
T T	1. 1	- '	C16 -4	C M		4 - 641.	

Unseasonably warm air surged northward from the Gulf of Mexico and covered most of north and central Alabama. Record high temperatures of 80 to 85 degrees were recorded across the entire area. As a direct result of this very warm air, a large severe weather outbreak occurred where violent tornadoes developed by early evening. Record high temperatures were measured at the following locations;

Muscle Shoals Municipal Airport 83 Huntsville International Airport 82 Tuscaloosa Municipal Airport 83 Birmingham International Airport 82 Anniston Municipal Airport 82 Montgomery Dannelly Field 85

Other temperatures measured included:
Pryor Field Decatur 83
Shelby County Airport Calera 83
Troy 83

2.5 ESE Arley	M91P	1945CST	11.0	1170	•	10	20011	v	101111110 (12)
3.7 SE Poplar Spgs to	10	1931CST	11.3	1175	1	15	200K	0	Tornado (F3)
Winston County									
	M53C	U, M61MH, F62MH							
4.5 SW Carbon Hill to 8 E Nauvoo	10	1910CST 1931CST	16.9	1175	3	20	2.5M	0	Tornado (F3)
Walker County									
5.6 NNW Fayette to 2.3 WNW Howard	10	1852CST 1910CST	16.1	1175	0	3	500K	0	Tornado (F3)
Fayette County									

The Carbon Hill Tornado was the first tornado of the evening. It began in Fayette County at 6:52 pm, about 5.6 miles north-northwest of the city of Fayette, and 2.8 miles west of US Highway 43. The tornado moved on a northeast track crossing US 43, State Route 129, and SR 13, and then moved into Walker County just southwest of Carbon Hill at 7:10 pm.

It then crossed the western and northern sections of Carbon Hill, downing trees and power lines and damaging many residential structures. Carbon Hill Elementary School was also heavily damaged. The tornado continued northeast, crossing SR5, and exited the county at SR 195. The two deaths associated with this tornado occurred just south of SR 195.

Entering Winston County at 7:31 pm, the tornado continued on a northeast path traveling across mostly sparsely populated areas of Bankhead National Forest and several fingers of Smith Lake. It crossed County Road 41 about 1.8 miles south of Arley and then crossed CR 12, finally lifting at 7:45 pm.

This tornado was rated an F3 on the Fujita scale, with winds estimated to be in the 150 to 200 mph range. Much of the damage along the track was lesser intensity (F1 and F2). F3 damage occurred in both Fayette and Walker Counties.

Total path length for the Carbon Hill Tornado was 44.3 miles, with a width of 1175 yards. Four deaths were reported with this tornado, three in the Rose Hill community of Walker County and one near Arley in Winston County. Injury figures are approximate with three in Fayette County, 20 in Walker County, and 15 in Winston County. About 40 percent of the injuries were treated at local





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

ALABAMA, North

hospitals while about 60 percent of the injuries were considered minor.

Structural damage along the path included approximately 47 in Fayette County, 135 in Walker County, and 35 in Winston County. Numbers are approximate because most reports from Red Cross and EMA were made based on the whole county not by tornadc.

Beg: 33 45.949/87 51.069 End: 34 03.992/87 10.409

Franklin County Russellville	10 Trees a	1910CST and power lines v	vere blown down	n along CR	0 48 in Russ	0 ellville.	2K	0	Thunderstorm Wind (G55)
Lauderdale County Rogersville	10 Dime s	1925CST size hail fell in R	ogersville.		0	0	0	0	Hail(0.75)
Lamar County 7.6 WSW Fernbank to 1.5 NNW Fernbank	10	1931CST 1942CST	7.2	150	0	2	200K	0	Tornado (F2)

The Fernbank Tornado was the second tornado of the evening in Alabama, but it actually began in Mississippi. The tornado crossed the Alabama-Mississippi State Line at 7:31 pm, downing trees in Luxapallila Creek. When it reached County Road 12, a well built home was deroofed along with damage to the upper floor of the house and tremendous tree destruction. The tornado continued on a northeast track, damaging mostly trees before knocking over head stones at the Ebenezer Church and flipping automobiles. The tornado weakened fairly quickly after it passed the church and ended about 7:42 pm

This tornado was rated an F2 in Alabama but was rated an F3 in Mississippi. No deaths and two injuries were reported in the Alabama portion of this tornado.

The path length was 7.2 miles with an estimated width of 150 yards.

10	1932CST			0	0	0	0	Hail(0.88)
Nicke	el size hail was obse	rved near Dou	ble Springs	s.				, ,
10	1940CST 1950CST			0	0	0	0	Hail(0.75)
Dime	size hail fell along	US 278 betwe	en Double S	Springs and	Addison.			
10	1942CST 1948CST	4.5	75	0	0	5K	0	Tornado (F1)
	Nicke 10 Dime	Nickel size hail was obse 10 1940CST 1950CST Dime size hail fell along 10 1942CST	Nickel size hail was observed near Dou 10 1940CST 1950CST Dime size hail fell along US 278 between 10 1942CST 4.5	Nickel size hail was observed near Double Springs 10 1940CST 1950CST Dime size hail fell along US 278 between Double 10 1942CST 4.5 75	Nickel size hail was observed near Double Springs. 10 1940CST 0 1950CST Dime size hail fell along US 278 between Double Springs and 10 1942CST 4.5 75 0	Nickel size hail was observed near Double Springs. 10 1940CST 0 0 1950CST Dime size hail fell along US 278 between Double Springs and Addison. 10 1942CST 4.5 75 0 0	Nickel size hail was observed near Double Springs. 10 1940CST 0 0 0 1950CST Dime size hail fell along US 278 between Double Springs and Addison. 10 1942CST 4.5 75 0 0 5K	Nickel size hail was observed near Double Springs. 10 1940CST

The third tornado of the evening in Alabama, the Stafford Tornado, moved into Pickens County from Mississippi, at 7:42 pm just northwest of Stafford. This tornado, rated an F1 in Alabama, stayed over mostly rural land downing trees. The path length in Alabama was 4.5 miles, and the width about 75 yards. No deaths or injuries were reported in Alabama.

Beg: 33 27.623/88 17.036 End: 33 28.267/88 12.269

Cullman	County
C T	T:11

Crane Hill 10 1955CST 0 0 0 0 Hail(0.75)

Dime size hail was reported across western Cullman County.





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured		nated nage Crops	November 2002 Character of Storm
ALABAMA, North									_
Fayette County									
6 NNE Fayette to 2.7 SE Howard	10	2015CST 2034CST	14.6	1175	0	0	200K	0	Tornado (F3)
Walker County									
5.8 W Townley to 13.3 NE Jasper	10	2034CST 2103CST	24.7	1175	7	40	2.5M	0	Tornado (F3)
-	F39M	H, F15MH, M50N	ИН, М51МН,	F73MH, F3	8MH, F611	MH			
Winston County									
6.9 SSE Arley to 7.6 SE Arley	10	2103CST 2108CST	2.4	1175	0	5	300K	0	Tornado (F3)
Cullman County									
8.2 W Bremen to 1 SE Holly Pond	10	2108CST 2152CST	30.9	1175	0	8	1.3M	0	Tornado (F3)

The Saragossa Tornado was the fourth tornado to occur in Alabama and the longest track of the severe weather episode. It began in Fayette County, just east of the Sipsey River about 6 miles north-northeast of the city of Fayette at 8:15 pm. The tornado moved northeast, crossing portions of State Routes 102 and 13, and then SR 102 again around Stoddards Crossroads.

The tornado crossed into Walker County at 8:34 pm and traveled through sparsely populated areas of western Walker County. It crossed the interchange of US Highway 78 about 5.5 miles east-southeast of Carbon Hill, and became very strong as it traveled through the Saragossa area. It crossed State Roads 5, 195, and 257, before entering Winston County.

The tornado appeared to be at its most intense during the travel from US 78/SR 118 interchange across Saragossa and the areas near SR 5 and SR 195. Seven deaths occurred in this 10 mile stretch of the tornado track, along with an estimated 40 injuries.

At 9:03 pm the tornado crossed the extreme southeastern tip of Winston County, crossing a part of Smith Lake

The tornado entered Cullman County at 9:08 pm, moving across portions of Smith Lake and across CR 222. Tornado intensity remained high during the first several miles after it entered Cullman County. Continuing northeast, it crossed Interstate 65 and US 31 just south of Cullman on the southside of the Cullman Golf Course.

The tornado seemed to be significantly less intense as it continued to travel northeasterly toward Holly Pond. Damage from just east of US 31 to just south of Holly Pond was not nearly as intense as it was west of Interstate 65. Traveling through mostly rural areas downing trees and powerlines, and damaging scattered structures along the way, the tornado finally ended just south-southeast of Holly Pond at 9:52 pm,

This was the longest tornado of the outbreak, with a path length of 72.6 miles and a width of 1100 yards. It was the second F3 tornado of the day. Seven deaths were reported with the storm, all in Walker County, along with an estimated 45 injuries

Structural damage details are difficult to report since reporting is based primarily on county and not by individual tornadoes. Based on EMA and Red Cross data, structures damaged or destroyed were approximately 20 in Fayette County, 300 in Walker County, 5 in Winston County, and 164 in Cullman County.

This is also one of the longest tornadoes tracks in recent history. At 72.6 miles in length, this becomes the fourth longest tornado in Alabama since 1950.

Beg: 33 45.072/87 45.991 End: 34 09.775/86 36.403



Walker County
3.5 SW Dora to
.8 NE Dora

2138CST 2147CST

4.3

300

0

400K

0

Tornado (F1)

10

National Weather Service Storm Data and Unusual Weather Phenomena



30	ш	Data a	na vi	iusua	I AAE	aune	∌r P	пепс	omena	2,60
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estin Dar Property	nated nage Crops	Nove Character of Storm	ember 2002
ALABAMA, North										
Pickens County 4.3 WSW Ethelsville to 2.3 WSW Ethelsville	fifth		ning in Alaba	* *					Tornado (F0) Ethelsville. The weak teas downing a few trees	
	Beg:	33 24.268/88 17.4	25 End: 33 2	24.682/88 15.3	352					
Lawrence County Moulton	10 A fev	2015CST v trees were blown	down around	Moulton.	0	0	1K	0	Thunderstorm Win	nd (G50)
Cullman County Vinemont	10 Dime	2017CST size hail fell near	Folsom Field.		0	0	0	0	Hail(0.75)	
Franklin County Countywide Franklin County Red Bay	10	2035CST 2035CST			0	0	4K 0	0	Thunderstorm Win	` '
	Dime	size hail was repo	rted in Red B	ay. A few tree	es and pow	ver lines we	ere knocke	d over in o	other parts of the county	•
Marshall County 4 E Union Grove	10 A fur	2046CST nnel cloud was repo	orted 4 miles o	east of Union	0 Grove.	0	0	0	Funnel Cloud	
Tuscaloosa County 5 SE Moores Bridge	10 A fur	2057CST nnel cloud was sigh	ted by spotter	rs near the Bro	0 ownville C	0 ommunity.	0	0	Funnel Cloud	
Fayette County 4.6 ESE Berry to 9 E Berry	The togoing The east-re	ornado first touche g across the north si tornado then mov	d down on the ide of Boley S ed into open Springs. This	e south side of Springs. A lum country whe was rated an	County R hber mill were addition	oad 46 abovas damage	out a mile we'd along wi	vest of Bol th a mobil ted. It end	Tornado (F1) Fayette County beginn ey Springs. The tornado e home. Numerous trees led around 9:15 pm as and width of 90 yards	crossed CR 4 s were downed bout 3.9 mile





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ALABAMA, North

The Dora Tornado, the seventh tornado of the evening, began at 9:38 pm, when the tornado touched down on the banks of the Mulberry Fork of the Black Warrior River southwest of Dora. The initial touchdown was in an area of open fields and woods and the first structural damage occurred as the tornado reached the southwest side of Dora. Trees were downed with a good deal of roof damage to homes as the tornado traveled through the middle of Dora. Traveling northeast the tornado damaged a number of structures in Dora, before ending fairly abruptly on the northeast side of town at 9:47 pm

The total path length was 4.3 miles, with a width of 300 yards. No deaths were reported, and any injuries were minor. This tornado was rated an F1.

Beg: 33 42.221/87 08.654 End: 33 44.096/87 04.761

5 SE Arab	10 Two o	2145CST chicken houses were heavily	0 damaged on Fry Gap Road (C	0 CR 44).	125K	0	Thunderstorm Wind (G65)
Dekalb County Countywide	10 A few	2145CST trees and power lines were	0 blown down across the county	0	3K	0	Thunderstorm Wind (G55)
Tuscaloosa County 4.7 NNE Northport to 9.5 NE Northport	10	2159CST 2206CST	0	0	200K	0	Thunderstorm Wind (G65)

The roof was blown off an apartment complex on Rice Mine Road. Ten apartments were subsequently damaged by heavy rain. The roof pieces landed on 7 automobiles causing major damage to the vehicles. A gas station awning was ripped off and carried several hundred yards away. Several trees and power lines were blown down in the area. The Collins-Riverside School sustained moderate damage as part of the roof was torn off and the rooms were flooded.

Blount County									
1.4 SW Allgood to 6 E Oneonta	10	2222CST 2231CST	9.8	300	0	0	400K	2K	Tornado (F1)
Etowah County									
8.1 SW Gallant to 7.4 SW Gallant	10	2231CST 2232CST	0.8	300	0	0	4K	1K	Tornado (F1)

The F1 rated Oneonta Tornado began at 10:22 pm, about 1.4 miles southwest of Allgood just west of State Route (SR) 75. The tornado traveled across Allgood, downing trees and doing some damage to structures. It traveled across Boat Landing Road where trees were downed and then crossed Springville Boulevard where several structures were damaged. The tornado then clipped the southeastern sections of Oneonta before turning more easterly.

The tornado crossed County Road 29, where two more structures were damaged, and then crossed US Highway 231. Additional trees were downed along Montgomery Drive. The tornado continued to down trees as it dissipated just after moving into Etowah County, ending at 10:32 pm.

The path length of this tornado was 10.6 miles, with a width of about 300 yards. No deaths or injuries were reported. However, Blount County Emergency Management did report that two cows were killed by falling trees.

Beg: 33 53.764/86 31.771 End: 33 56.588/86 21.437





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estima Dam Property	ated age Crops	November 2002 Character of Storm
ALABAMA, North									
Tuscaloosa County 3.2 NW Abernant to 3.6 NNE Abernant	10	2222CST 2229CST	2.9	450	0	3	300K	0	Tornado (F2)
Jefferson County 9.6 W Mc Calla to	10	2229CST	12.3	450	0	0	500K	0	Tornado (F2)
1.8 SSW Bessemer		2243CST bernant Tornado : to traveled east-no							County Road 99 around 10:22 pm. The
	manuf		ust southwest	of VisionLa	and Theme	Park. The	e tornado cr	ossed Int	ns and Sumter areas before damaging a erstate 59 and US Highway 11 where 10:43 pm.
		2 tornado had a poout 450 yards. Th	-				•	1 12.3 mi	les in Jefferson County. The path width
	Beg:	33 19.740/87 13.7	24 End: 33 2	2.873/86 58	.362				
Etowah County Countywide	10 A few	2230CST 2300CST trees and power l	ines were blov	vn down acr	0 oss the cour	0	5K	0	Thunderstorm Wind (G55)
St. Clair County		_							
3.1 WNW Steele to	10	22.41.CCT							
1.3 N Steele	A wea		nountain (pla	teau) and d	,	_	_		Tornado (F1) houses and downing several trees. The s at the base of the mountain before
1.5 N Steete	A wea tornad dissipa	2244CST ak tornado touched o came off the i	l down on Cha nountain (pla were reported	andler Moun teau) and d	tain causing amaged on	g minor da	amage to abo	out three	houses and downing several trees. The
St. Clair County	A weatornad dissipa	2244CST ak tornado touchedo o came off the nating. No injuries 33 57.002/86 15.3	l down on Cha nountain (pla were reported	andler Moun teau) and d	tain causing amaged on	g minor da e structur	amage to abo	out three	houses and downing several trees. The sat the base of the mountain before
	A weatornad dissipa	2244CST ak tornado touched o came off the nating. No injuries 33 57.002/86 15.3 2250CST 2315CST	I down on Cha nountain (pla were reported 31 End: 33 5	andler Moun teau) and d 7.482/86 11.	tain causing amaged on 950	g minor da e structur	amage to about and down	out three and trees	houses and downing several trees. The sat the base of the mountain before Thunderstorm Wind (G55)
St. Clair County	A weatornad dissipa Beg: 1	2244CST ak tornado touched o came off the nating. No injuries 33 57.002/86 15.3 2250CST 2315CST	I down on Chanountain (pla were reported 31 End: 33 5	andler Moun teau) and d 7.482/86 11.	tain causing amaged on 950	g minor da e structur	amage to about and down	out three and trees	houses and downing several trees. The sat the base of the mountain before





Time Path Path Number of Estimated November 2002
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ALABAMA, North

The Centre Tornado touched down near Highway 411, just to the east of the Cherokee Country Club. It then traveled northeast, crossed over Cowan Creek, and damaged houses along County Road 40 at approximately 1122 pm CST. The tornado continued its northeastward movement and crossed over County Road 16 at approximately 1125 pm CST. One death was reported in a mobile home at the point where the tornado crossed over County Road 16. From this point, the tornado crossed County Road 31, damaging more homes before moving over Spring Creek. The tornado turned more to the east-northeast, damaging even more homes, before finally lifting near the eastern end of Weiss Lake near Mud Creek.

The Cherokee County Emergency Management Agency estimates that 88 homes were either damaged or destroyed as this tornado moved across the county. In addition to the one fatality, there were also 4 injuries reported

The tornado was on the ground from 1120 pm CST to approximately 1132 pm CST. It had a path 10.5 miles long, and at its widest point was 440 yards wide.

Beg: 34 07.176/85 38.020 End: 34 10.010/85 27.928

	F72MH	I					
Talladega County Lincoln	11 Dime si	0000CST ize hail was reported at the intersection of CR 2	0 07 and Inte	0 erstate 20	0	0	Hail(0.75)
Calhoun County Bynum	11 Quarter	0010CST size hail was observed near Bynum.	0	0	0	0	Hail(1.00)
Calhoun County 6 SE Jacksonville	11 A funne	0015CST el cloud was observed near the White Plains Co	0 mmunity.	0	0	0	Funnel Cloud
Shelby County Calera	11 Dime si	0033CST ize hail was observed by NWS personnel at the	0 Shelby Co	0 ounty Airp	0 port. Quarte	0 r size hail	Hail(1.00) was reported on CR 12 at CR 24
Calhoun County Anniston	11 Nickel	0045CST size hail was reported in Oxford and in Annisto	0 on.	0	0	0	Hail(0.88)
Talladega County Sycamore	11 Dime si	0115CST ize hail was reported near Sycamore.	0	0	0	0	Hail(0.75)
Autauga County 4.2 SW Marbury to 3 S Marbury	11	0200CST 0204CST	0	0	75K	0	Thunderstorm Wind (G60)





November 2002 Time Local/ Path Length Path Number of Estimated Width Damage Persons ALABAMA, North Based on the pattern of damage, and reports from witnesses, the damage near the Marbury community in northeastern Autauga County was assessed as being caused by straight line winds. The damage area begins near the intersection of County Roads 68 and 69, just west of Interstate 65, and continues in a fan-shaped pattern eastward about 1.5 miles across US Highway 31. The damage area was about 400 yards wide, at its widest point. A total of 5 homes, 2 travel trailers, 1 barn, and one vehicle sustained damage. Also, powerlines were down across the entire damage area. There were no injuries reported. Based on witness accounts and radar signatures, the damage occurred around 2 AM Monday morning. **Tallapoosa County** 0245CST Thunderstorm Wind (G55) **Jacksons Gap** 3K Several trees and power lines were blown down across central Tallapoosa County. A funnel cloud was reported near Jackson's Gap. **Randolph County** Roanoke 11 0256CST Hail(0.75) Dime size hail fell in Roanoke. **Elmore County** 0315CST Thunderstorm Wind (G60) Titus 11 20K One home had its roof blown off in Titus. Several trees were blown down across the county. ALABAMA, Southeast **Dale County** 2 N Echo to 2 S Bertha 100 150K Tornado (F1) 05 1815EST 1820EST 2 0 3 A tornado touched down just north of the intersection of County Road 69 and Highway 27 in northeast Dale County. It damaged several homes, an automobile, and several storage sheds. Three people suffered minor injuries. Two goats were killed by the flying debris. Dale County was declared a state disaster area. Reported by the Dale County EMA. **Henry County** 3 W Abbeville to 3 NE Abbeville 05 200 20 **3M** Tornado (F2) 1845EST The supercell thunderstorm which spawned the tornado in Dale County, produced another tornado which touched down just west of U.S. Highway 431, and tore through the center of Abbeville. It destroyed several single-family homes and mobile homes, and severely damaged numerous other homes and businesses, including the high school. Uprooted trees and power lines littered city streets, with nearly 2,000 residents without electricity. Twenty people were injured, with a half of those hospitalized. A man died when the tornado destroyed his home on Rock Hill Circle. Henry County was declared a state disaster area. Reported by the Henry County EMA. M54PH

ALABAMA, Southwest

Clarke County

Bashi 05 1040CST 0.1 20 0 0 8K Tornado (F0)

A weak tornado briefly touched down just east of the community near County Road 48. A few trees were blown down or uprooted by the tornado.





November 2002 Path Length Time Local Path Width Number of Estimated Persons Damage ALABAMA, Southwest **Conecuh County** 0 8K Lenox 05 0.1 20 0 Tornado (F0) A weak tornado briefly touched down near the community, blowing down or uprooting several trees. **Butler County** Georgiana 05 1200CST 1205CST 0.5 50 8K Tornado (F0) A weak tornado resulted in a swath of downed trees in a wooded area between Georgiana and Avant. **Mobile County Tillmans Corner** 0 2K Thunderstorm Wind (G55) 05 Strong thunderstorm winds downed several large tree limbs in the area of Schillinger and Three Notch Roads. A funnel cloud was also reported by the public in the same general area **Mobile County** Theodore 05 0 1K Thunderstorm Wind (G55) Gusty thunderstorm winds blew large limbs down around the area. **Baldwin County** 1330CST 1335CST **Daphne** 05 0 0 15K Thunderstorm Wind (G60) Strong thunderstorm winds damaged the roof of a condo. **Baldwin County** Barnwell 05 0.1 20 0 10K Tornado (F0) A weak tornado downed trees and power lines near the Barnwell community. The same storm produced some minor roof damage and downed more trees near Elsanor a few minutes later. **Choctaw County** Gilbertown 10 5K Thunderstorm Wind (G50) Trees were blown down by high winds from a thunderstorm just west of Gilbertown. **Mobile County** 1645CST 1646CST 5K Thunderstorm Wind (G50) Georgetown 15 A few trees were blown down just north of Georgetown. **Choctaw County** Thunderstorm Wind (G50) 0 5K Wimberly 15

 $\begin{array}{cc} 15 & 1700 CST & 0 \\ 1702 CST & \end{array}$ Trees were blown down by high winds from a thunderstorm.