

Spring 2005 North American Migration Count in South Carolina

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The Spring 2005 North American Migration Count was held on Saturday, 14 May, and 71 parties of 108 individuals in 17 counties across the state observed 34,069 individual birds of 209 species. Temperatures ranged from 60 to 85 degrees; cloud cover ranged from none to 100 percent; winds ranged from 0 to 20 miles per hour; and almost no rain fell.

Among the most noteworthy sightings were those from Charleston County, which documented a number of pelagic species, including Black-capped Petrel, Cory's Shearwater, Sooty Shearwater, Audubon's Shearwater, Wilson's Storm-Petrel, Leach's Storm-Petrel, Bridled Tern, Sooty Tern and others. In terms of sheer numbers, no county came close to Jasper, which had tremendous populations of a variety of species.

Birders located 21 of the 35 commonly occurring eastern warblers, the most common of which were Pine (321), Yellow-breasted Chat (226), Northern Parula (225), and Common Yellowthroat (184).

Birds found in only one county included Green-winged Teal, American Black Duck, Hooded Merganser, Red-breasted Merganser, Ruddy Duck, Black-capped Petrel, Cory's Shearwater, Sooty Shearwater, Audubon's Shearwater, Wilson's Storm-Petrel, Leach's Storm-Petrel, Glossy Ibis, Swallow-tailed Kite, Northern Harrier, Sharp-shinned Hawk, Broad-winged Hawk, Sora, Purple Gallinule, Wilson's Plover, American Avocet, Marbled Godwit, Sanderling, White-rumped Sandpiper, Stilt Sandpiper, Long-billed Dowitcher, Red-necked Phalarope, Pomarine Jaeger, Parasitic Jaeger, Bonaparte's Gull, Great Black-backed Gull, Sandwich Tern, Common Tern, Bridled Tern, Sooty Tern, Black Tern, Horned Lark, Bank Swallow, Marsh Wren, Ruby-crowned Kinglet, Gray-cheeked Thrush, Swainson's Thrush, Hermit Thrush, Cape May Warbler, Black-throated Green Warbler, Bachman's Sparrow, Savannah Sparrow, Grasshopper Sparrow, Seaside Sparrow, Song Sparrow, White-throated Sparrow, White-crowned Sparrow, and Purple Finch.

Species reported in every county included Mourning Dove, Chimney Swift, Pileated Woodpecker, Eastern Wood-Pewee, Great Crested Flycatcher, Eastern Kingbird, Blue Jay, American Crow, Carolina Chickadee, Tufted Titmouse, Eastern Towhee, and Northern Cardinal.

The top three counties in terms of species were Jasper (126), Charleston (119), and Spartanburg (113).

County Summaries**Aiken County: 101 species, 3131 individuals.**

Coordinator: Anne Waters
1621 Apple Valley Drive
Augusta, GA 30906

Participants: Dan Connelly, Paul D'entremont, Carol Eldridge, Larry Eldridge, Gary Gray, Judy Gregory, Christine Huzella, Paul Koehler, Laurel Moore-Barnhill, George Reeves, Lois Stacey, Alice Walker, Doug Walker, Anne Waters, Eugene Zielinski, Calvin Zippler

Aiken had county exclusives on Green-winged Teal (2), Northern Harrier (1), and Bachman's Sparrow (7). High counts included Wood Duck (49), Blue-winged Teal (23), Pied-billed Grebe (13), Northern Bobwhite (13), Great Blue Heron (23), Red-shouldered Hawk (16), Yellow-billed Cuckoo (35), Whip-poor-will (21), Red-headed Woodpecker (23), Red-bellied Woodpecker (55), Red-cockaded Woodpecker (8), Pileated Woodpecker (22), Eastern Wood-Pewee (41), Acadian Flycatcher (29), Great Crested Flycatcher (87), Eastern Kingbird (45), White-eyed Vireo (62), Red-eyed Vireo (50), American Crow (75), Tufted Titmouse (104), Carolina Wren (126), Blue-gray Gnatcatcher (80), Northern Parula (64), Pine Warbler (108), Black-and-white Warbler (5), Prothonotary Warbler (27), Summer Tanager (67), Eastern Towhee (100), Northern Cardinal (299), Indigo Bunting (171), and House Sparrow (34).

Bamberg County: 59 species, 759 individuals.

Coordinators: Dennis and Donna Forsythe
748 Swanson Avenue
James Island, SC 29412

Participants: Dennis Forsythe, Donna Forsythe

Bamberg had the second highest counts on Great Crested Flycatcher (35) and Purple Martin (75).

Beaufort County: 78 species, 813 individuals.

Coordinator: Clem Dietze
277 Moss Creek Drive
Hilton Head, SC 29926

Participants: Clem Dietze, Karen McGinty, Mike McGinty, Patricia Metz, Tim White

Beaufort birders located the day's only Sora and Bonaparte's Gull. Beaufort had the highest count on Black-crowned Night-Heron (14), Osprey (9), Common Moorhen (54), American Coot (2), and Eastern Bluebird (71).

Calhoun County: 32 species, 331 individuals.

Coordinator: Tim Kalbach
Participants: Melanie Kalbach, Tim Kalbach

Calhoun County had reasonably high numbers on Carolina Wren (26), Chipping Sparrow (10) and Indigo Bunting (36).

Charleston County: 120 species, 2496 individuals.

Coordinator: Perry E. Nugent
2260 N. Dallerton Circle
Charleston, SC 29414

Participants: Nathan Dias, Chris Nugent, Perry Nugent, Allen Russell, Sue Ann Russell

Thanks to coverage by land and by sea, Charleston County led the day with exclusives: Black-capped Petrel, Cory's Shearwater, Sooty Shearwater, Audubon's Shearwater, Wilson's Storm-Petrel, Leach's Storm-Petrel, Marbled Godwit, Sanderling, Red-necked Phalarope, Pomarine Jaeger, Parasitic Jaeger, Great Black-backed Gull, Sandwich Tern, Common Tern, Bridled Tern, Sooty Tern, Black Tern, Savannah Sparrow, and Seaside Sparrow.

Cherokee County: 77 species, 1009 individuals.

Coordinator: Lyle Campbell
126 Greengate Lane
Spartanburg, SC 29304

Participants: Claude Cobb, J. B. Hines, Jr., Maxi Nix, Ed Wilde

Cherokee County had the only Broad-winged Hawk, Gray-cheeked Thrush and Hermit Thrush of the day.

Colleton County: 78 species, 1054 individuals.

Coordinator: Ken and Betty Scott
Participants: Betty Scott, Ken Scott

Colleton tallied the highest count of Anhinga (17), Great Egret (50), Semipalmated Plover (36), and Tree Swallow (87).

Edgefield County: 89 species, 984 individuals.

Coordinator: Jason Giovannone
2808 Dalewood Drive
West Columbia, SC 29170

Participants: Jason Giovannone

Edgefield County had the day's only Red-breasted Merganser, was one of only three counties with Solitary Sandpiper, and had the highest count of American Goldfinch (47).

Fairfield County: 66 species, 375 individuals.

Coordinator: Donna Slyce
321 Hope Ferry Road
Lexington, SC 29072

Participants: Lloyd Sharpe, Donna Slyce

Fairfield was one of only six counties to have Bald Eagle, was one of only three with Northern Waterthrush, and has the distinction of being the only county whose birds were tallied in part by a canine.

Hampton County: 87 species, 1087 individuals.

Coordinator: Carroll Richard
PO Box 893
Hampton, SC 29924

Participants: Kathleen O'Grady, Jerry Raymond, Carroll Richard
Hampton led the day in the number of Bald Eagles (5) and Purple Martins (81).

Jasper County: 125 species, 15,646 individuals.

Coordinator: Patricia Metz
U. S. Fish & Wildlife Services
1000 Business Center Drive, Suite 10
Savannah, GA 31405

Participants: Gregg Blanks, Steve Calver, Diana Churchill, Patricia Metz, Steve Wagner

Jasper County stole the day in terms of number of species and number of individuals. County exclusives include Ruddy Duck (16), Glossy Ibis (21), Swallow-tailed Kite (6), Purple Gallinule (8), Wilson's Plover (183), American Avocet (24), White-rumped Sandpiper (2), Stilt Sandpiper (313), Long-billed Dowitcher (4), and Marsh Wren (2).

Lexington County: 96 species, 2177 individuals.

Coordinator: Molly Bonnell
202 Cannon Trail
Lexington, SC 29073

Participants: Molly Bonnell, Andrea Ceselski, Barbara Darden, Irvin Pitts, Frank Whitlock, Meta Whitlock

Lexington led the day in the number of Double-crested Cormorant (10), Eurasian Collared-Dove (3), Northern Rough-winged Swallow (31), Brown-headed Nuthatch (15), Northern Mockingbird (156), Blackpoll Warbler (10), American Redstart (10), and Ovenbird (6); it was the only county with Northern Harrier (1) and Swainson's Thrush (1).

Orangeburg County: 72 species, 651 individuals

Coordinator: Bob Ellis
2402 Glenwood Road
Columbia, SC 29204

Participants: Bo Brown, Bob Ellis

Orangeburg's only exclusive for the day was Bank Swallow (1).

Pickens County: 53 species, 179 individuals.

Coordinator: Scott Stegenga
107 Mohawk Drive
Pickens, SC 29671

Participants: Scott Stegenga

Scott Stegenga led a one-person show, primarily at Table Rock State Park. He had the day's only Black-throated Green Warbler.

Richland County: 64 species, 282 individuals.

Coordinator: Steve Dennis

Participant: Steve Dennis

Among the notable birds on this count were three Painted Buntings, a species that seems to be moving more and more northwest in the state. A notable miss on the count was Swainson's Warbler.

Spartanburg County: 113 species, 2387 individuals.

Coordinator: Lyle D. Campbell
126 Greengate Lane
Spartanburg, SC 29307

Participants: Debbie Allmon, Tim Brown, Dawn Byrd, Lawanna Caldwell, Lyle Campbell, Sarah Campbell, Claude Cobb, Dick Deahl, Linda Deahl, Charles Earl, Roy Fowler, Pat Fowler, Ken Garrett, Linda Ginn, Conway Henderson, J. B. Hines, Connie Jenne, Flip Jones, Joel Jones, Herb Kay, Bud Ludwick, Jan Ludwick, Kelly Ludwick, Edwin Marotte, Margaret Miller, Margaret Miller, Jim Miller, Moss Miller, Sam Miller, Virl Momier, Nancy Owens, Bob Powell, Sandra Powell, Eva Pratt, Sam Pratt, Doug Rayner, Leland Rayner, Alan Rose, Cory Rose, Bob Scott, Mac Shealy, Laurel Sullivan, M. B. Ulmer, Dan Wootton, Nancy Wootton

Spartanburg's high counts included Canada Goose (135), Mallard (46), Spotted Sandpiper (19), Chuck-will's-widow (9), Chimney Swift (223), Belted Kingfisher (7), Downy Woodpecker (22), Eastern Phoebe (13), Blue Jay (55), Cliff Swallow (7), House Wren (8), American Robin (80), Gray Catbird (20), Brown Thrasher (41), Cedar Waxwing (125), Yellow Warbler (2), Scarlet Tanager (4), Chipping Sparrow (20), Field Sparrow (16), Rose-breasted Grosbeak (4) and House Finch (55); exclusives were American Black Duck (3), Sharp-shinned Hawk (3), Ruby-crowned Kinglet (1), Song Sparrow (17), White-throated Sparrow (3), White-crowned Sparrow (1), and Purple Finch (21).

Sumter County: 78 species, 962 individuals.

Coordinator: Lloyd Moon
6150 Brookland Drive
Sumter, SC 29154

Participants: Julie Hovis, Lloyd Moon

Sumter had the high count of Mississippi Kite (19), Loggerhead Shrike (7), and European Starling (94); the county exclusive was Horned Lark (4).

	Aiken	Bamberg	Beaufort	Calhoun	Charleston	Cherokee	Colleton	Edgerfield	Fairfield	Hampton	Jasper	Lexington	Orangeburg	Pickens	Richland	Spartanburg	Sumter	Number of Individuals	# Counties Reporting
Short-billed Dowitcher					7		9				46							62	3
Long-billed Dowitcher											4							4	1
Red-necked Phalarope					28													28	1
Sandpiper sp.											2							2	1
Pomarine Jaeger					1													1	1
Parasitic Jaeger					1													1	1
Laughing Gull			4		320		10				31							365	4
Bonaparte's Gull			1															1	1
Ring-billed Gull											32	2				2		36	3
Great Black-backed Gull					1													1	1
Gull-billed Tern					3						120							123	2
Caspian Tern					5						39							44	2
Royal Tern					36						7							43	2
Sandwich Tern					24													24	1
Common Tern					60													60	1
Forster's Tern			20								40							60	2
Least Tern			1		29						418						2	450	4
Bridled Tern					11													11	1
Sooty Tern					2													2	1
Black Tern					6													6	1
Black Skimmer					20						73							93	2
Rock Pigeon	2	10	5		12	1		6		1	4	43	5		9	21	36	155	13
Eurasian Collared-Dove	1	1					2			1	2	3	2					12	7
Mourning Dove	149	25	21	24	4	33	18	18	6	70	78	241	23	6	19	90	81	906	17
Common Ground-Dove	2				1					1	6							10	4
Yellow-billed Cuckoo	35	3	5	2	21			7	7	6	22	11			3	8		130	12
Eastern Screech-Owl	3											5			1	3	1	13	5

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Great Horned Owl					1											3		4	2
Barred Owl	5				12			2	2	2					5	5		33	7
Common Nighthawk											11						2	15	3
Chuck-will's-widow	4		1					4	2	3	2	3				9		31	9
Whip-poor-will	21					3		10	5					1		3		43	6
Chimney Swift	26	12	5	6	20	41	2	19	5	25	35	62	14	4	2	223	10	511	17
Ruby-throated Hummingbird	10	1			14		3	1	1	8	8	6	2	2	2	13	2	73	14
Belted Kingfisher	4				1	1			1			2	1			7	2	19	8
Red-headed Woodpecker	23	1	8		2		1	3	1	8	5	3	2		1	2	1	61	14
Red-bellied Woodpecker	55	15	17		20	5	7	9	5	15	28	31	11	1		26	10	255	15
Yellow-bellied Sapsucker						2										2		4	2
Downy Woodpecker	19	2	5	2	7		2	2	4	3	11	12	2		3	22		96	14
Hairy Woodpecker							2	3					1			2		8	4
Red-cockaded Woodpecker	8																5	13	2
Northern Flicker	3	1				8						3	2	1	1	7	1	27	9
Pileated Woodpecker	22	3	2	1	5	9	4	7	3	1	6	3	1	3	2	9	1	82	17
Eastern Wood-Pewee	41	7	2	16	12	1	5	12	1	10	6	5	7	1	2	8	1	137	17
Acadian Flycatcher	29	5		10	15	1			5		2	3	6	1	7	8		92	12
Eastern Phoebe						4		6	1			6		2		13		32	6
Great Crested Flycatcher	87	35	16	18	20	4	19	19	10	13	24	31	14	1	4	10	4	329	17
Eastern Kingbird	45	12	5	13	7	7	6	5	6	20	15	33	6	2	4	14	35	235	17
Loggerhead Shrike	2	1			1		1			2	1	2	6		1	1	7	25	11
White-eyed Vireo	62	13	12	11	27		9	2	2	10	27	7	1		2	2		187	14
Yellow-throated Vireo	9	5			2						6	1			1	7		31	7
Blue-headed Vireo	1						4		5				2	1				13	5
Red-eyed Vireo	50	17	3	7	25	12		21	17	3	10	25	2	7	4	32		235	15
Blue Jay	48	8	12	9	10	26	6	35	1	10	22	52	15	3	3	55	8	323	17

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American Crow	75	9	23	8	20	41	39	7	12	10	28	43	8	6	2	68	15	414	17
Fish Crow	23	5		2	35		15	32		27	18	15	6		2		22	202	12
Horned Lark																	4	4	1
Purple Martin	10	75	3	4	40	11	21	54	2	81	19	31	2	1		39	1	394	16
Tree Swallow			2				87				62	1		4		4	1	161	7
Northern Rough-winged Swallow	22						6	10		8	6	31	1	3	1	7	9	104	11
Bank Swallow													1					1	1
Cliff Swallow	1					6		6				3				7		23	5
Barn Swallow	47	17	17		50	49	5	48	6	42	26	47	33	6	17	22	27	459	16
Carolina Chickadee	47	10	22	3	60	19	5	8	15	8	10	26	9	8	5	44	2	301	17
Tufted Titmouse	104	17	21	18	40	22	2	10	16	10	29	54	11	8	3	81	6	452	17
White-breasted Nuthatch	7	3				2				1	2			2		5		22	7
Brown-headed Nuthatch	8	1	5					4	2	3	13	15		2		10		63	10
Carolina Wren	126	17	7	26	51	14		19	9	14	57	90	17	7	4	62	5	525	16
House Wren							3	2								8		13	3
Marsh Wren											2							2	1
Ruby-crowned Kinglet																1		1	1
Blue-gray Gnatcatcher	80	5	16		25	14	7	19	14	15	40	20	6	3	19	20		303	15
Eastern Bluebird	60	4	71	14	15	25	11	29	15	37		54	24	4	3	52	8	426	16
Gray-cheeked Thrush						1												1	1
Swainson's Thrush												1						1	1
Hermit Thrush						1												1	1
Wood Thrush	4			1	10	4		6		1	2	3	3			7		41	10
American Robin	11	10			2	69		1	2	1	1	43	11	5	2	80	6	244	14
Gray Catbird	5		2			1		6		2	18	12	2	1		20		69	10
Northern Mockingbird	73	27	2	10	12	46	17	17	5	46	68	156	54		4	57	31	625	16

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Brown Thrasher	33	15	1	5	3	12	2	1	2	9	31	34	18	3		41	14	224	16
European Starling	34				16	35	12	11		9	6	63	33		8	55	94	376	12
Cedar Waxwing	10	7				54		12				36				125		244	6
Northern Parula	64	5	6		45	2	8	16	10	5	29	7	11		3	11	3	225	15
Yellow Warbler															1	2		3	2
Magnolia Warbler						1						1						2	2
Cape May Warbler								1										1	1
Black-throated Blue Warbler								3	1			1				2		7	4
Yellow-rumped Warbler								7				1				1		9	3
Black-throated Green Warbler																		2	1
Yellow-throated Warbler	17	5	5		40			3		2	29	2		2		8	1	112	10
Pine Warbler	108	17	17	6	35		1	32	17	2	41	15	7	3	1	17	2	321	16
Prairie Warbler	17				4	3		22	7		4		3			2		62	8
Blackpoll Warbler									2		4	10			2			18	4
Black-and-white Warbler	5							2	2			1				1		11	5
American Redstart	2							1				10		2	3	7		25	6
Prothonotary Warbler	27	3	1		15			4	2	10	3	3	3		3	3	1	78	13
Ovenbird								2				6		1		2		11	4
Northern Waterthrush									1		2			2	2			7	4
Louisiana Waterthrush	2					1		1	2			3		1		6		16	7
Kentucky Warbler	7				25			3	4					1	1			41	6
Common Yellowthroat	30	8	6		40	2	3	9	6	4	34	23	1		4	12	2	184	15
Hooded Warbler	8	4	1		20			5	1	2	1		1	5	2	2		52	12
Yellow-breasted Chat	43	7	1		100	2		11	11	5	36	3		1		6		226	12
Summer Tanager	67	12	12	12	15		4	22	13	8	23	23			1	16	2	230	14
Scarlet Tanager								2							1	4		7	3
Eastern Towhee	100	16	12	9	20	12	8	27	5	11	50	37	8	3	1	35	2	356	17

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Bachman's Sparrow	7																	7	1
Chipping Sparrow	6	3		10		4	1	14	6	5	2	11	2	5	1	20	1	91	15
Field Sparrow	1	2				11		3	2							16		35	6
Savannah Sparrow					1													1	1
Grasshopper Sparrow																5		5	1
Seaside Sparrow					2													2	1
Song Sparrow																17		17	1
White-throated Sparrow																3		3	1
White-crowned Sparrow																1		1	1
Northern Cardinal	299	32	73	14	56	24	33	40	25	49	81	196	35	8	10	127	35	1137	17
Rose-breasted Grosbeak						1								1		4		6	3
Blue Grosbeak	13	23	10	9	15	2		11	3	20	17	4	1	1	3	4	19	154	15
Indigo Bunting	171	7		36	52	16	4	32	27	4	39	48	3	4	11	19	4	477	16
Painted Bunting	2	8	27		9		9			14	33	3			3		2	110	10
Bobolink											134					5	65	204	3
Red-winged Blackbird	46	5	27		150	28	121	12		37	700	11	25	1	20	34	33	1250	15
Eastern Meadowlark	8	1				61		15	2	2		9	2	1		12		113	10
Common Grackle	52	30	10		50	91	13	16	1	62	69	88	56	2	18	69	90	717	16
Boat-tailed Grackle			16		40		54			11	203							324	5
Brown-headed Cowbird	35	6	3	11	10	16	3	13	2		27	26	1		6	35	20	214	15
Orchard Oriole	10	25		10	60	4	5	5		22	33	6		2	2	4	4	192	14
Baltimore Oriole													1			1		2	2
Purple Finch																21		21	1
House Finch	11	5		4	2	11		7				37	9	2		55	2	145	11
American Goldfinch	19					14		47	7	5		27		5		39	6	169	9
House Sparrow	34	10			3	19		4		7		26	9			16	2	130	10

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Species	100	72	78	32	119	77	74	89	66	86	126	96	71	53	64	113	78		
Individuals	3108	692	813	331	2489	1009	953	984	375	1077	15626	2177	625	179	282	2387	962	34069	
Observers	15	2	5	2	5	4	2	1	2	3	5	6	2	7		45	2	108	
Parties	10	1	1	1	3	4	1	1	1	2	2	4	1	5		32	2	71	
Hours foot	26.85	1	3.5		11	6.5			6	23	13.5	8	2	3		29	9		
Hours car	26	6	3.5		5	3.5			2	6.5	15.5	16	7	0.5		12	6		
Hours boat					10														
Hours canoe/kayak	4.5																		
Hours bike																			
Hours other																			
Miles foot	19.75	2	7.5	1	4.75	4	2	1	4	9	8	8		1.5		19	2.5		
Miles car	212.75	122	7.5	117	55	66	136	131	65	158	139	309		8.8		229	170		
Miles boat					118														
Miles canoe/kayak	3																		
Miles bike																			
Miles other																			
Hours Feeder Watch	2.5					4						1		0.5		59.5	0.5		
#Feeder Watchers	4					2						1		1		29	1		
#Feeder Stations	11					1						3		1		18	5		
Hours Stationary												5		1.25					
#Parties Stationary												2		1					
#Observers Stationary												3		1					

	Aiken	Bamberg	Beaufort	Calhoun	Charleston	Cherokee	Colleton	Edgerfield	Fairfield	Hampton	Jasper	Lexington	Orangeburg	Pickens	Richland	Spartanburg	Sumter	Number of Individuals	# Counties Reporting
Hours Owling	3				1	0.5		10.5						1		2			
Miles Owling	6.5				1	1		0						9.4		35.5			
#parties owling	3				1	1		1	1					1		2			
#observers owling	3				2	1		1	2					4		3			
Time Start	0430	0830	0730	0800	0500	0800	0700	0615		0445	0608	0550	0706	0712		0600	0625		
Time Stop	2000	1530	1400	1600	2000	2200	1520	1800		2030	1900	1750	1600	2335		2300	1800		
Temperature																			
Pre-Dawn	66				60	63						67		66		63			
Dawn	68		63		62	64				68	63			64		64	67		
Am	75		70		65	68				72	70	70		71		68	71		
Noon	83		80		74	72				73	82	85		72		72	79		
Pm	85		80		83	78				75	80	83		78		78	83		
Sunset	84				82	72				76	80			65		72	83		
Night	78					76								66		70			
Wind																			
Pre-Dawn	5				0	2-5								0		2-5	2		
Dawn	7		3-5		0	2-5				0	0-5			0		2-5	4		
Am	5		3-5		0	2-5				0		5-10		5-10		2-5	4		
Noon	8		3-5		5	2-5				0				5-10		2-5	3		
Pm	5		5		5-10	2-5				0	5-10			10-		2-5	4		
Sunset	8				0	2-5				0	10-15			20		2-5			
Night	5					2-5				0				0		2-5			

		# Counties Reporting														Number of Individuals		
		Aiken	Bamberg	Beaufort	Calhoun	Charleston	Cherokee	Colleton	Edgerfield	Fairfield	Hampton	Jasper	Lexington	Orangeburg	Pickens	Richland	Spartanburg	Sumter
%Clouds	Pre-Dawn	100				100	10						100		100		40	
	Dawn	25				90	10				100	85	100		100		40	100
	Am	80		65		85	10				85	80		100		40	100	
	Noon	60		70		70	10				50	85	50		90		40	90
	Pm	30		75		70	10				90	90			100		40	60
	Sunset	70				70	10				40	90			75		40	60
	Night	70					10								70		40	60
Precipitation	Pre-Dawn	0		0		0	0						0		0		0	0
	Dawn	0		0		0	0				0	0	0		0		0	0
	Am	0		0		0	0				0	0	0		0		0	0
	Noon	0		0		0	0				0	0	0		0		0	0
	Pm	0		0		0.1	0				0	0	0		0.08-0.1		0	0
	Sunset	0		0			0				0	0	0		0		0	0
	Night	0		0			0				0	0	0		0		0	0