

Fall 2000 North American Migration Count in South Carolina

Donna Slyce Bailey
176 Raven's Place
Winnsboro, SC 29180

On September 16, 2000, the Fall 2000 North American Migration Count was held in 11 counties across South Carolina. 20,093 individuals in 200 species were tallied by the reporters. 104 observers divided into 75 parties covered 11 counties. Despite a lower number of counties than usual participating, 29 species of warbler were found, including multiple reports of Golden-winged Warbler, Blue-winged Warbler, Nashville Warbler, Tennessee Warbler, and Blackburnian Warbler. Warbler species reported by only one county include Orange-crowned Warbler (Georgetown), Cape May Warbler (Fairfield), Prothonotary Warbler (Charleston), Louisiana Waterthrush (Georgetown), and Canada Warbler (Spartanburg). Compared to last year's tally of 25 warbler species reported from 12 counties, it was a better day for warbler diversity in 2000. Five Nashville Warblers were reported from four different counties (Aiken, Colleton, Fairfield, and Lexington), perhaps amounting to a "wave" of migration.

Ten species of birds were reported from every county, indicating widespread and adaptable species. These ten species are: Great Blue Heron, Turkey Vulture, Red-tailed Hawk, Mourning Dove, Belted Kingfisher, Blue Jay, Carolina Chickadee, Tufted Titmouse, Northern Mockingbird, and Northern Cardinal. As befits their top predator status, the number of Red-tailed Hawks is lower than the numbers of the other species.

Among the highlights of the Fall 2000 North American Migration Count are a Bicknell's Thrush, found in Colleton county and carefully identified by song, and American White Pelicans, found in Jasper county. 28 species were "exclusives," found only in one county. The exclusives are distributed as follows:

Charleston: 4
Cherokee: 2
Colleton: 2
Fairfield: 2
Georgetown: 5
Jasper: 9
Spartanburg: 4

County Summaries

Aiken County (AIKE): 103 species, 2022 individuals. 60° F to 75° F.

Start Time: 6:35 AM

Stop Time: 7:55 PM

Coordinator: Anne Waters
1621 Apple Valley Drive
Augusta, GA 30906
706/793-2788

Participants: Gary Gray, Judy Gregory, Christine Hadley, Gene Howard, Joan Howard, Sandra Johnson, Paul Koehler, Mark Komorski, Richard Lux, Alice Walker, Doug Walker, Vernon Waters

Aiken County found 2 early Blue-winged Teal among a nice selection of waterfowl that included the more expected Canada Goose, Wood Duck, and nice numbers of Mallard.

Beaufort County (BEAU): 52 species, 610 individuals. Temperatures not recorded.

Start Time: 2:22 PM

Stop Time: 7:37 PM

Coordinator: Robin Carter
4165 East Buchanan Drive
Columbia, SC 29206
803/782-8820

Participants: Caroline Eastman, Heidi Hoerman

Beaufort County reported two nice to find species – Seaside Sparrow (one of only two counties to do so for the Fall 2000 Count) and Marbled Godwit.

Charleston County (CHAR): 144 species, 4602 individuals. 65° F to 90° F.

Start Time: 5:30 AM

Stop Time: 9:30 PM

Coordinator: Perry Nugent
2260 Dallerton Circle
Charleston, SC 29414
843/556-3841

Participants: Mike Bernard, Jim Brownlee, Sue Brownlee, George Crumley, Janice Fanning, Dennis Forsythe, Donna Forsythe, Dot Glover, Brad Jaynes, Ben Smith

Charleston's four exclusives were Least Bittern, Yellow-crowned Night-heron, Chuck-will's-widow, and Prothonotary Warbler.

Cherokee County (CHER): 78 species, 1408 individuals. 68° F to 84° F.

Start Time: Not reported

Stop Time: Not reported

Coordinator: Lyle Campbell
126 Greengate Lane
Spartanburg, SC 29307
864/585-1228

Participants: Claude Cobb, David Collopy, Ken Garrett, J. B. Hines, Myra Hines, Karla Lavender, Maxie Nix, Alan Rose, Ed Wilde

The two species exclusive to Cherokee County were Cedar Waxwings (perhaps a little early) and an amazing three Bachman's Sparrows (a species that is difficult to find in the South Carolina Piedmont).

Colleton County (COLL): 116 species, 2375 individuals. 61° F to 75°F.

Start Time: 7:10 AM

Stop Time: 6:00 PM

Coordinator Sharon Brown
P. O. Box 327
Adams Run, SC 29426
843/889-8299

Participants: Mrs. M. A. Aldenderfer, Robin Carter, Caroline Eastman, Heidi Hoerman

Bicknell's Thrush and a nice King Rail were the two species exclusive to Colleton County.

Fairfield County (FAIR): 74 species, 595 individuals. 50° F to 70° F.

Start Time: 4:30 AM

Stop Time: 8:00 PM

Coordinator: Donna Slyce Bailey
176 Raven's Place
Winnsboro, SC 29180
803/635-7032

Participants: Buddy Bailey, Bob Ellis

The species found exclusively in Fairfield County were Gray-cheeked Thrush and Cape May Warbler.

Georgetown County (GEOR): 114 species, 1563 individuals. 61° F to 75° F.

Start Time: 5:30 AM

Stop Time: 6:30 PM

Coordinator: Jack Peachey
103 Walnut Circle
Conway, SC 29520
843/347-5810

Participants: David Donmoyer, Renee Lamm, Murray Honick, Barbara Maxwell, Bob Maxwell, Gary Phillips, Paul Rogers

Great Black-backed Gull, Common Tern, Orange-crowned Warbler, and Louisiana Waterthrush are among the species exclusive to Georgetown County. Nice numbers of Piping Plovers round out Georgetown's list of exclusives.

Hampton County (HAMP): 51 species, 812 individuals. 62° F to 85° F.

Start Time: 7:00 AM

Stop Time: 4:30 PM

Coordinator: Carroll Richard
P.O. Box 893
Hampton, SC 29924
803/943-4661

Hampton County reported 11 Northern Bobwhite, a species increasingly hard to find in South Carolina and the highest number of bobwhite found in the state for this count. Hampton County also reported 3 Purple Gallinules, always a nice find.

Jasper County (JASP): 76 species, 2021 individuals. 70° F to 80° F.

Start Time: 5:30 AM

Stop Time: 6:00 PM

Coordinator: Patricia E. Metz
Parkway Business Center, Suite 1000 Business Center Drive
Savannah, GA 31405
912/652-4415 ext. 103

Participants: Amy Bess, Chris Graves, Valda Kelly, Mary Ellen Kirkland, Talley Kirkland, Barry Lowes, Philomena Lowes, John Metz, Keith Penrose, Ray Porter, Lauree San Juan, Leanna San Juan, Paul San Juan

Jasper County had a long list of exclusives, including American White Pelican, Gadwall, Mississippi Kite, American Coot, and Least Flycatcher. Jasper also had an assortment of shorebirds that were exclusives, including Black-necked Stilt, American Avocet, Stilt Sandpiper, and Buff-breasted Sandpiper.

Lexington County (LEXI): 52 species, 1197 individuals. Temperatures not reported.

Start Time: 7:00 AM

Stop Time: 8:00 PM

Coordinator: Molly Bonnell
202 Cannon Trail Road
Lexington, SC 29072
803/359-6280

Participants: Andrea Ceselski

Lexington County was among those reporting somewhat early Palm Warblers, as well as one of the five Nashville Warblers found on count day.

Spartanburg County (SPAR): 92 species, 2888 individuals. 68° F to 84° F.

Start Time: Not reported

Stop Time: Not reported

Coordinator: Lyle Campbell
126 Greengate Lane
Spartanburg, SC 29307
864/585-1228

Participants: Frankie Altman, Laura Bannon, Beth Bartel, Tim Brown, Sarah Campbell, Alan Chalmers, Dan Codispoti, Tom Moore Craig, Linda Deahl, Richard Deahl, Glenn Englehardt, David Ferris, John Freeman, Sheena Freeman, Robin Gilman, Milady Gonzalez, Chip Green, Conway Henderson, Jessie Ivy, Tammy King, Michael Miller, Bill Moody, Nora Moore, Mary Ann Myers, Bob Powell, Doug Raynor, Bob Scott, Ginny Scott, Walton Scott, Mac Shealy, Dick Thorpe, Lois Thorpe, Gerald Thurmond

Four species were found exclusively in Spartanburg County: Common Nighthawk, Canada Warbler, Field Sparrow, and Purple Finch.

North American Migration Count
South Carolina

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Pied-billed Grebe	1		6		41		3		4		1	56	6
American White Pelican									13			13	1
Brown Pelican		12	61		106		3					182	4
Double-crested Cormorant	3	8	9		4	10	202	1	81		2	320	9
Anhinga	1		21		37		3		42			104	5
Least Bittern			2									2	1
Great Blue Heron	7	2	16	1	18	8	3	4	12	4	17	92	11
Great Egret	9	7	65		43	19	25	89	24	4	6	291	10
Snowy Egret		19	25		14		14	2	6			80	6
Little Blue Heron		4	12		3		2	5				26	5
Tricolored Heron		2	17		13		8	1	14			55	6
Cattle Egret	72		10		17				17	159		275	5
Green Heron		1	9	1	4		1				5	21	6
Black-crowned Night-Heron			10		2		1					13	3
Yellow-crowned Night-Heron			8									8	1
White Ibis	3		83		46		90		54			276	5
Glossy Ibis			3		3		1		21			28	4
Wood Stork		1	62		27		19	14	4			127	6
Canada Goose	2		10	38							261	311	4
Wood Duck	15		79		2	2		1			1	100	6
Mottled Duck			17		8				12			37	3
Mallard	26		10	5				3	13		151	208	6
Northern Pintail	2											2	1
Blue-winged Teal		7	107						78			192	3
Gadwall									105			105	1
Black Vulture	9		12	7	45	17		66	15	4	18	193	9
Turkey Vulture	15	9	59	25	56	42	7	86	22	17	25	363	11

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Osprey	1	4	9		5	2	15	2	2	1	1	42	10
Mississippi Kite									1			1	1
Bald Eagle	2		1		12	3	1	1	2			22	7
Northern Harrier	1			1	1		1					4	4
Sharp-shinned Hawk			1	3			1					5	3
Cooper's Hawk	1		2		1		1				1	6	5
Red-shouldered Hawk	13		9	2	3	6	2			1	7	43	8
Broad-winged Hawk			4	3							2	9	3
Red-tailed Hawk	3	1	2	7	2	4	2	1	4	2	16	44	11
buteo sp.							1					1	1
American Kestrel	3	3	1	4	8		3	1		4	2	29	9
Merlin			1		6	1	1					9	4
falco sp.			1									1	1
Wild Turkey	3			2	2	19	5				26	57	6
Northern Bobwhite	6			3			10	11	4			34	5
Clapper Rail		3	66				6		1			76	4
King Rail					1							1	1
Purple Gallinule							1	3				4	2
Common Moorhen			37		12			23	28			100	4
American Coot									12			12	1
Black-bellied Plover		10	25				28					63	3
Semipalmated Plover	1	2	90		2		7		4			106	6
Piping Plover							10					10	1
Killdeer	40	3	2	10	1	2	4	1	16		11	90	10
American Oystercatcher			12				6					18	2
Black-necked Stilt									146			146	1
American Avocet									170			170	1
Greater Yellowlegs			3		4		2		50			59	4
Lesser Yellowlegs			8		3		1		225			237	4
Solitary Sandpiper	1			3								4	2

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Willet		2	17		3		6					28	4
Spotted Sandpiper	1		1		1		1		1			5	5
Marbled Godwit		16					1					17	2
Ruddy Turnstone			6		4		13		15			38	4
Sanderling		7	15		14		44					80	4
Semipalmated Sandpiper			75		5				42			122	3
Western Sandpiper	2		2									4	2
Least Sandpiper	120		25		5		2		156			308	5
peep sp.		100			21		4					125	3
Dunlin			8		1							9	2
Stilt Sandpiper									14			14	1
Buff-breasted Sandpiper									31			31	1
Short-billed Dowitcher			76				4					80	2
dowitcher sp.									120			120	1
Common Snipe			2								1	3	2
Laughing Gull		159	27		147		15		10			358	5
Ring-billed Gull		2	13		6		39					60	4
Herring Gull		2	12		4		2					20	4
Great Black-backed Gull							1					1	1
Gull-billed Tern		1			8							9	2
Caspian Tern			1		13		21		49			84	4
Royal Tern		12	11		39		11		2			75	5
Sandwich Tern			15		9		6					30	3
Common Tern							1					1	1
Forster's Tern		14	19		31		2					66	4
Black Tern					4				6			10	2
Black Skimmer		2	100				4					106	3
Rock Dove	140	26	108	39	23	8	3	5		77	66	495	10
Eurasian Collared Dove			3		22							25	2
Mourning Dove	88	21	60	70	45	13	44	31	18	199	176	765	11

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Common Ground-Dove			3	3		1	37		1			38	2
Yellow-billed Cuckoo	5					1	1				1	14	6
Eastern Screech-Owl	7		1	1		2	3				1	15	6
Great Horned Owl	1		3	1		2			1			8	5
Barred Owl	2		7			3	2				2	16	5
Common Nighthawk											1	1	1
Chuck-will's-widow			1									1	1
Whip-poor-will				1			1					2	2
Chimney Swift	33		331	10	12	17		15		66	38	522	8
Ruby-throated Hummingbird	8		9	8		7	2	3	2	7	36	82	9
Belted Kingfisher	2	4	7	4	6	2	3	2	1	1	19	51	11
Red-headed Woodpecker	16		8		3	3	1	2		3	1	37	8
Red-bellied Woodpecker	31	3	15	8	12	7	8		1	22	29	136	10
Yellow-bellied Sapsucker	1										5	6	2
Downy Woodpecker	23		3	22	17	4	8	1	1	6	12	97	10
Hairy Woodpecker	1				2		1					4	3
Red-cockaded Woodpecker					1			1				2	2
Northern Flicker	9		5	6	1	3	1		2		5	32	8
Pileated Woodpecker	12		6	2	4	3	2	1		2	10	42	9
Eastern Wood-Pewee	18		7	2	4			2			20	53	6
Acadian Flycatcher			4	1						3		8	3
Least Flycatcher									1			1	1
Empidonax sp.						2						2	1
Eastern Phoebe	4			14		4	1		1	4	21	49	7
Great Crested Flycatcher	3		2		5	1				3	1	15	6
Eastern Kingbird	2		12		1		4	7	6	15	3	50	8
Purple Martin	4						24				12	40	3
Tree Swallow	2		700		45		340		102		2	1191	6
Northern Rough-winged Swallow	117		4	1		1	1					124	5
Bank Swallow			2				1					3	2

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Barn Swallow	3		38		2	1	20	1	52		25	142	8
Blue Jay	67	6	59	76	37	14	30	1	1	41	61	393	11
American Crow	80	6	41	122	66	50	25	9		69	223	691	10
Fish Crow	9	17		1	11	2	2	83				125	7
crow sp.		3			29	12	1	25				70	5
Carolina Chickadee	70	12	65	42	47	16	8	2	2	40	82	386	11
Tufted Titmouse	51	4	50	38	37	13	18	2	2	46	59	320	11
White-breasted Nuthatch	5		1	1	14		2	1			4	28	7
Brown-headed Nuthatch	17		6	13	15	2		8		8	38	107	8
Carolina Wren	72	6	34	24	17	11	15		1	51	56	287	10
House Wren	1		1	1	1		2				2	8	6
Marsh Wren			10		2				3			15	3
Ruby-crowned Kinglet			1	2		1	1					5	4
Blue-gray Gnatcatcher	8	1	13	3	5	2	4		6	6	3	51	10
Eastern Bluebird	35		36	44	16	7	20	20		28	52	258	9
Veery	2		6		1	9						18	4
Gray-cheeked Thrush						3						3	1
Bicknell's Thrush					1							1	1
Swainson's Thrush			2		1	12	1					16	4
Wood Thrush			1			4					4	9	3
American Robin	7		40	128		1				3	136	315	6
Gray Catbird	9		10	4	2	1	3		6	2	31	68	9
Northern Mockingbird	44	3	49	57	38	7	24	5	13	61	77	378	11
Brown Thrasher	12	2	17	11	6	3	7		4	8	43	113	10
Cedar Waxwing				15								15	1
Loggerhead Shrike	3		3	1	3	1	1	3		2		17	8
European Starling	82		177	215	32	2	32	4		9	67	620	9
White-eyed Vireo	34	1	67	2	18	2	20			2	4	150	9
Blue-headed Vireo	2						2					4	2
Yellow-throated Vireo	2		2	1	5	1					3	14	6

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Red-eyed Vireo	9		158	2	13	1	4		2		9	198	8
Blue-winged Warbler			3								1	4	2
Golden-winged Warbler	2				1							3	2
Tennessee Warbler	1		2								4	7	3
Orange-crowned Warbler							2					2	1
Nashville Warbler	1				2	1				1		5	4
Northern Parula	24		22	1	12	7				1	6	73	7
Yellow Warbler			7		2	2	3					14	4
Chestnut-sided Warbler	3		17	9						1	8	38	5
Magnolia Warbler	4		8	10			2		1		6	31	6
Cape May Warbler						1						1	1
Black-throated Blue Warbler			5		3							8	2
Yellow-rumped Warbler				1							1	2	2
Black-throated Green Warbler						1	1				1	3	3
Blackburnian Warbler			1			1					1	3	3
Yellow-throated Warbler	4		5		2							11	3
Pine Warbler	62	3	26	17	83	6	1	14		13	25	250	10
Prairie Warbler	2		19			1	1				1	24	5
Palm Warbler			9	2	8		15		1	1	2	38	7
Black-and-white Warbler	7		6	6	4	1	1				5	30	7
American Redstart	23		67	16	18	3	15		10	9	4	165	9
Prothonotary Warbler			1									1	1
Worm-eating Warbler	1			1								2	2
Ovenbird	1		2									3	2
Northern Waterthrush	1		8		1		1		3			14	5
Louisiana Waterthrush							1					1	1
Common Yellowthroat	7		187	4	19		9		26	3	7	262	8
Hooded Warbler			6				1					7	2
Canada Warbler											2	2	1
Yellow-breasted Chat	1		1					1				3	3

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Summer Tanager	9		4	4	13	3				6	2	41	7
Scarlet Tanager	3		2		1	1					7	14	5
Northern Cardinal	134	14	41	30	35	29	37	10	8	54	90	482	11
Rose-breasted Grosbeak	1		3		1							5	3
Blue Grosbeak	1		1			9		25		9		45	5
Indigo Bunting	31	1	6		2	17			1		4	62	7
Painted Bunting		1	5						3			9	3
Eastern Towhee	27	1	7	11	21		2	3		6	18	96	9
Bachman's Sparrow				3								3	1
Chipping Sparrow				12	12						10	34	3
Field Sparrow											3	3	1
Seaside Sparrow		1	1									2	2
Song Sparrow				24							15	39	2
Bobolink			250		150	27						427	3
Red-winged Blackbird	26	18	61		382	63	37	1	25		13	626	9
Eastern Meadowlark				10	1						201	212	3
Brewer's Blackbird				35							300	335	2
Boat-tailed Grackle		25	42		90		14		66			237	5
Common Grackle	87	10	78	90	5		4	200		29	49	552	9
Brown-headed Cowbird			13	1	4							18	3
Baltimore Oriole	1		5	1							1	8	4
Purple Finch											2	2	1
House Finch	16		56	3	3	4	9	8		39	51	189	9
American Goldfinch	1			6		22				41	39	109	5
House Sparrow	25	6	25				8	1		4	15	84	7
duck sp?					11		1					12	2
archilocus sp?							1					1	1
												TOTALS	
Species	103	52	144	78	116	74	114	51	76	52	92	200	
Individuals	2022	610	4602	1408	2375	595	1563	812	2021	1197	2888	20093	

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
Observers	17	3	11	9	2	3	8	1	12	2	36	104	
Parties	8	1	6	10	5	1	3	1	8	1	31	75	
#Counties	1	1	1	1	1	1	1	1	1	1	1	11	
Hours foot	31.5	2	24	12.5	4.5	8	14	5.83	18	0	40.5	160.83	
Hours car	10.5	3	10	11.5	12	5	4.75	3.66	3	12	20.5	95.91	
Hours boat	0	0	0	0	0	0	0	0	4.5	0	6	10.5	
Hours canoe/kayak	0	0	0	0	0	0	0	0	0	0	0	0	
Hours bike	1	0	0	0	0	0	0	0	0	0	0	1	
Hours other	0	0	0	0	0	0	0	0	0	0	0	0	
Miles foot	18.5	1	13	15	2	5	10	3.5	2.5	1	31	102.5	
Miles car	119.7	88	165	163	158	237	78	84	24	163	299	1578.7	
Miles boat	0	0	0	0	0	0	0	0	16	0	12	28	
Miles canoe/kayak	0	0	0	0	0	0	0	0	0	0	0	0	
Miles bike	5	0	0	0	0	0	0	0	0	0	0	5	
Miles other	0	0	0	0	0	0	0	0	0	0	0	0	
Hours Feeder Watch	1.5	0	0	6	0	0	0	0	0	-	18	25.5	
#Feeder Watchers	2	0	0	3	0	0	0	0	0	2	12	19	
#Feeder Stations	5	0	0	3	0	0	0	0	0	-	9	17	
Hours Stationary	0	0	0	0	0	0	0	0	0	0	0	0	
#Parties Stationary	0	0	0	0	0	0	0	0	0	0	0	0	
#Observers Stationary	0	0	0	0	0	0	0	0	0	0	0	0	
Hours Owling	1.5	0	3	0.6	0	2	0	0	4.5	-	3	14.6	
Miles Owling	3	0	0	1	0	0	0	0	6	-	22	32	
#parties owling	1	0	3	2	0	1	0	0	3	-	4	14	
#observers owling	2	0	3	2	0	1	0	0	9	-	5	22	

16 September 2000	AIKE	BEAU	CHAR	CHER	COLL	FAIR	GEOR	HAMP	JASP	LEXI	SPAR	TOTAL Individuals	# Counties Reporting Species
TEMPERATURE: PRE-DAWN	60	-	65	68	-	51	60	-	70	-	68		
DAWN	61	-	67	68	61	50	-	62	70	-	68		
AM	66	-	75	79	61	60	-	69	75	-	79		
NOON	70	-	85	82	64	68	74	77	80	-	82		
PM	75	-	90	84	75	70	76	85	80	-	84		
SUNSET	75	-	88	73	70	65	-	-	-	-	73		
NIGHT	70	-	-	66	-	60	-	-	-	-	66		
WIND: PRE-DAWN	0	-	0	0	-	0	0	-	0	-	0		
DAWN	1	-	0	0	2	0	2	1	0-1	-	0		
AM	3	-	1	2	3	0	0	1	0-1	-	2		
NOON	3	-	1	1	2	0	2	1	0-1	-	1		
PM	1	-	2	0	2	0	2	0	0-1	-	0		
SUNSET	1	-	1	1	1	0	0	-	-	-	1		
NIGHT	1	-	-	0	-	0	0	-	-	-	0		
%CLOUDS: PRE-DAWN	0	-	0	10	-	0	-	-	10	-	10		
DAWN	0	-	0	10	5	0	10	0	10	-	10		
AM	0	-	5	10	5	0	-	0	10	-	10		
NOON	0	-	5	10	5	0	15	0	10	-	10		
PM	0	-	5	10	5	0	15	0	10	-	10		
SUNSET	10	-	5	10	5	0	-	-	-	-	10		
NIGHT	10	-	-	10	-	0	-	-	-	-	10		
PRECIPITATION	0	0	0	0	0	0	0	0	0	0	0		