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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

JANUARY 1961

Volume 65 No. 1



ASHEVILLE: 1961

W

FLORIDA - JANUARY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 85° on the 26th at Avon Park and on the 7th at
Loxahatchee

Lowest Temperature: 15° on the 22nd at Chipley 3 E and Sanborn Tower

Greatest Total Precipitation: 8.52 inches at South Miami 3 W

Least Total Precipitation: 0.93 inch at Cape Sable Ranger Sta

Greatest One-Day Precipitation: 4.45 inches on the 13th at Miami 12 SSW

Greatest Reported Total Snowfall: Trace at Jacksonville WB AP

CLIMATOLOGICAL DATA

FLORIDA
JANUARY 1961

CONTINUED

Station	Temperature											Precipitation											
	Average Minimum	Average Maximum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow/Sleet			No. of Days		
										10° or Above	32° or Above	Freezing	No. of Days					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
FORT PIERCE INLIAM LAKE ESTATES KISSIMMEE 2 LAKE ALFREDO EXP STA LAKELAND WB CITY	70.2 68.2 72.5 68.1 66.0	50.6 46.2 46.3 46.1 47.6	60.4 57.2 59.4 57.1 56.8	- 5.1 - 4.7 - 1.9 - 4.7 - 5.2	82 79 80 80 80	26 26 26 26 26	30 28 25 22 30	22 22 22 22 22	165 236 175 249 251	0 0 0 0 0	1 0 2 4 0	0 1 0 0 0	3.24 1.58 2.13 1.82 1.70	1.46 0 -.38 +.01 -.46	1.42 .85 1.50 1.02 .89	12 13 13 13 13	.0 .0 .0 .0 .0	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3	3 2 1 2 1	2 0 1 1 0	
LAKE PLACIO 2 SW MELBOURNE MOUNTAIN LAKE MYAKKA RIVER ST PARK OKEECHOBEE HRCN GATE 6	71.7 70.9 68.7 70.1 68.7	47.7 45.7 46.5 44.5 50.2	59.7 60.1 57.6 57.3 59.5	- 4.8	83 83 81 79 78	26 26 26 29 9	25 23 22 22 31	22 22 22 22 22	176 172 237 242 181	0 0 0 0 0	2 2 3 2 1	2 0 0 0 0	4.95 3.50 2.10 2.52 1.93	0 0 -.01 0 0	3.93 3.00 1.37 .89 1.01	13 13 13 9 14	.0 .0 .0 .0 .0	0 0 0 0 0	0 0 0 0 0	2 2 3 5 4	2 1 1 2 1	2 1 1 2 1	
PARRISH PLANT CITY ST PETERSBURG SARASOTA TAMPA WB AIRPORT	71.0 70.1 66.7 69.7 67.3	43.9 45.7 50.9 47.3M 48.0	57.5 57.9 58.8 58.5M 57.7	- 4.0 - 5.2 - 3.8	84 82 76 79 79	28 26 26+ 8 11	23+ 25 35 30 31	23+ 22 22 22 22	238 230 197 220 231	0 0 0 0 0	2 3 0 2 1	2 0 0 0 0	2.53 2.57 2.23 2.77 1.45	0 -.55 -.21 0 -.54	1.20 1.57 .88 1.17 .61	14 13 13 13 13	.0 .0 .0 .0 .0	0 0 0 0 0	4 4 5 4 3	2 2 2 2 1	1 1 0 2 0		
TARPOON SPGS SEWAGE PL VENICE VERO BEACH FAA AIRPORT WAUCHULA 2 N WINTER HAVEN	66.3 69.4 69.5 70.1 69.6	46.3 49.5 51.4 46.4 46.4	56.3 59.5 60.5 58.0	- 5.8	83 77 81 83	27 11+ 26 26	30 31 30 21	22 22 22 21	269 181 162 224	0 0 0 0	2 1 1 2	0 0 0 0	1.59 2.99 3.21 2.19 1.62	-.68 0 0 0 0	.90 1.40 1.26 .81 .79	9 9 12 13 13	.0 .0 .0 .0 .0	0 0 0 0 0	4 3 4 4 3	1 2 2 2 2	0 0 0 0 0		
OIVISION EVERGLADES AND SW COAST			58.5	- 4.4									2.54	.61			.0						
BELLE GLADE EXP STA BIG CYPRESS RESERVATN CANAL POINT USOA CAPE SABLE RANGER STA CAPTIVA	71.2 72.5 70.4 72.3 68.7	49.2 49.1 50.9 56.7 54.6	60.2 60.8 60.7 64.5 61.7	- 3.6	82 84 82 79 76	27 27 26 40 26	31 34 36 21 39	22 22 22 22 22	164 158 140 80 114	0 0 0 0 0	1 0 0 0 0	0 0 0 0 0	2.57 1.65 3.67 .93 3.54	1.10 0 0 0 0	1.11 .74 1.23 .30 1.73	9 10 13 9 9	.0 .0 .0 .0 .0	0 0 0 0 0	4 4 4 4 4	3 2 4 0 3	1 0 2 0 1		
CLEWISTON U S ENG DEVILS GARDEN TOWER EVERGLADES FORT MYERS WB AP MILES CITY TOWER	70.6 73.2 73.6M 71.8 73.6M	51.8 49.2 53.5M 51.2 49.3M	61.2 61.2 63.6M 61.5 61.5M	- 3.4 - 3.1	83 83 81 80 84	27 26 25+ 8+ 26	37 32 36 34 33	21 22 22 22+ 23+	139 142 99 131 140	0 0 0 0 0	0 1 0 0 0	0 0 0 0 0	3.18 2.93 2.15 3.31 1.63	0 0 .57 1.79 0	1.24 .91 .68 2.01 1.63	9 9 9 9 9	.0 .0 .0 .0 .0	0 0 0 0 0	4 5 4 3 3	2 0 3 2 0	2 0 0 2 0		
MOORE HAVEN LOCK 1 NAPLES PUNTA GOROA TAMPAH TRL 40 MI BENO	71.2 73.3M 72.9 75.6	49.2 51.7M 52.6 55.0	60.2 62.5M 62.8 65.3	- 3.8 - 2.4	82 81 80 84	27 26 26 26	31 36 35 39	22 22 22 22	172 111 101 66	0 0 0 0	1 0 0 0	0 0 0 0	2.71 4.96 4.03 1.34	1.17 2.47 2.47 1.27	.99 0 3.20 .37	9 13 12 12	.0 .0 .0 .0	0 0 0 0	3 2 2 5	3 1 1 0	0 0 1 0		
OIVISION LOWER EAST COAST			62.0	- 3.1									2.76	1.27			.0						
FORT LAUDEROALE FT LAUDEROALE BAHIA MAR FT LAUDEROALE EXP STA HIALEAH HOMESTEAD EXP STA	71.8 73.4 74.3 74.4 74.0	55.1 57.0 51.8 54.9 51.8	63.5 65.2 63.1 64.7 62.9	- 4.8	80 80 81 82 82	8 8 27+ 15+ 26+	34 38 33 39 32	19 22 21 21 21	109 73 107 80 109	0 0 0 0 0	0 0 0 0 1	0 0 0 0 0	3.88 4.28 3.32 5.71 2.54	1.70 0 0 0 .80	1.53 1.55 1.06 2.76 1.15	13 9 13 13 12	.0 .0 .0 .0 .0	0 0 0 0 0	4 5 6 4 4	3 3 1 3 2	2 2 1 2 1		
LOXAHATCHEE MIAMI BAY FRONT MIAMI BEACH MIAMI WB AIRPORT MIAMI 12 SSW	74.9 74.7M 73.9 72.8 73.7	51.1 58.6M 60.5 57.0 52.5	63.0 66.7M 67.2 64.9 63.1	- 2.8 - 3.4 - 3.9	85 82 80 82 81	7 15+ 15+ 1 2	32 41 42 39 34	22+ 23 22 22 21	109 53 46 77 105	0 0 0 0 0	2 0 0 0 0	2 0 0 0 0	3.25 1.93 2.53 5.12 5.55	0 0 .49 3.06 3.46	1.88 .80 .93 1.41 4.45	9 10 10 12 13	.0 .0 .0 .0 .0	0 0 0 0 0	2 3 7 5 4	2 2 2 4 2	2 0 0 3 2		
POMPAHO BEACH ROYAL PALM RANGER STA SOUTH MIAMI 3 W STUART I N WEST PALM BEACH WB AP	74.4 75.1 73.5 71.4 72.9	53.6 52.7 53.6 52.7 54.2	64.0 63.9 63.6 62.1 63.6	- 3.4	80 82 80 80 80	29+ 1 8+ 1 26+	35 35 35 33 36	22+ 22 21 23+ 22	93 84 86 125 99	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	6.14 2.11 8.52 4.46 3.17	0 0 0 0 +.69	3.27 1.40 3.80 2.03 2.19	13 12 12 12 9	.0 .0 .0 .0 .0	0 0 0 0 0	3 3 5 4 3	2 1 1 3 2	2 0 2 3 2		
OIVISION KEYS			64.1	- 3.2									4.17	2.05			.0						
ORY TORTUGAS KEY WEST WB AIRPORT MARATHON SHORES TAVERNIER	72.5M 72.2 73.4 73.1	62.4M 61.7 60.4 60.2	67.5M 67.0 66.9 66.7	- 3.8	80 83 82 81	15+ 1 29+ 2	51 52 49 46	23 23 22 22	23 39 42 52	0 0 0 0	0 0 0 0	0 0 0 0	2.98 1.25 2.85 3.62	0 -.29 0 0	2.20 .49 1.25 1.81	29 9 12 12	.0 .0 .0 .0	0 0 0 0	3 4 3 5	1 0 3 3	1 0 1 1		
OIVISION			67.0	- 3.5									2.68	1.09			.0						

DAILY PRECIPITATION

FLORIDA
JANUARY 1961

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
STARKE	-	.55																				.17												
STEINHATCHEE 2	5.78												.50	.20											.50	.55	.05	.02						
STUART 1 N	4.46	.04	.02									1.05	.80											2.10	.03	.20								
TALLAHASSEE WB AP	2.58							.34	.55	.04	.15	2.03	1.56	.01	.03	.03																		
TAMPA TRL 40 MI BEND	1.34	.03										.27	.28	.01	.37	.22																		
TAMPA WB AIRPORT	1.45	.07																																
TARPOON SPGS SEWAGE PL	1.59																																	
TAVERNIER	3.62		.04										.90	.26	.20																			
TITUSVILLE 2 W	2.54	.03										.50	.82	.05	1.81	.25																		
USHER TOWER	5.20	.70											.31	.14	.40																			
VENICE	2.99	.09											.50	.10	.30																			
VERO BEACH FAA AIRPORT	3.21	T											1.40	.61	.03																			
WAUCHULA 2 N	2.19												.02	.54	.22	.20																		
WEST PALM BEACH WB AP	3.17	T	.04										.02	.76	.81																			
WENAHITCHKA	4.67	.17											.01	2.19	.80																			
WINTER HAVEN	1.62	.03											.44	.28	.28																			
WOODRUFF OAM	3.59	.34											.02	.51	.79																			
													.24	.14	.53																			

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 P EST	7:00 P EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
APALACHICOLA WB CITY	-	-	8.4	29	NW	19	-	-	-	-	1	3	5	2	1	0	12	71	8.1
DAYTONA BEACH WB AIRPORT	NW	15	9.3	23++	N	25+	85	87	58	71	9	5	0	1	1	0	18	-	6.3
FORT MYERS WB AIRPORT	-	-	8.2	24++	SSW	29	85	85	80	71	5	2	1	0	1	1	10	-	5.8
JACKSONVILLE WB AIRPORT	NW	15	9.9	33	E	13+	81	83	55	68	2	3	5	1	1	0	12	58	5.8
KEY WEST WB AIRPORT	NE	20	11.3	33	N	20	83	84	70	78	4	2	4	0	0	0	10	88	8.1
LAKELAND WB CITY	-	-	8.1	-	-	-	-	-	-	-	2	5	2	1	0	0	10	68	5.4
MIAMI WB AIRPORT	NNW	15	8.8	25++	WNW	29	80	83	58	69	5	2	1	1	3	0	12	64	6.0
ORLANDO WB AIRPORT	NNE	15	8.6	21++	NW	21	84	87	54	64	4	2	3	0	1	0	10	-	8.0
PENSACOLA WB CITY	-	-	10.9†	25	NW	19	-	-	-	-	1	1	6	3	0	0	11	48	-
TALLAHASSEE WB AIRPORT	NNW	18	8.7	25++	NW	19	81	86	58	69	2	2	6	1	0	0	11	-	5.9
TAMPA WB AIRPORT	NNE	14	11.4	29++	NNW	21+	81	84	53	69	4	5	2	1	0	0	12	63	6.2
WEST PALM BEACH WB AIRPORT	NNW	18	11.2	27++	E	11	80	85	58	68	9	3	1	1	0	1	15	-	8.1

⊘ City Office Data
† Airport Data

DAILY TEMPERATURES

FLORIDA
JANUARY 1961

Continued

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WAUCHULA 2 N	MAX	77		60	67	71				72	75	74	73		76	66	67	68	65		69	79	77	83	76				71	75		
	MIN		44	38	37	50			52	48	51	56	62		49	41	39	36	40		32	42	49	54	58				41	44		
WEST PALM BEACH #8 AP	MAX	78	75	71	68	71	74	79	80	72	75	73	73	72	80	79	73	65	68	71	61	67	62	73	78	78	80	71	69	79	71	73
	MIN	66	57	51	45	53	58	60	60	64	65	67	66	62	60	56	56	50	44	47	39	39	36	44	49	54	67	57	47	55	50	57
#EWAHITCHKA	MAX	68	63	53	57	54	64	68	65	64	65	69	69	67	63	64	63	62	71	70	67	46	51	66	66	63	70	68	46	55	61	58
	MIN	42	38	36	28	29	32	32	35	37	32	41	48	51	46	40	41	35	34	35	29	24	21	33	55	40	39	36	31	31	31	39
WINTER HAVEN	MAX	69	70	67	63	69	75	80	68	70	71	74	72	73	75	75	75	67	69	68	65	50	53	70	79	75	83	76	62	55	66	75
	MIN	56	46	40	39	40	52	53	50	52	49	52	55	60	60	58	47	41	36	42	38	30	33	32	41	52	57	56	44	44	42	42
WOODRUFF DAM	MAX	65	56	57	49	55	53	58	62	54	55	60	65	70	62	60	62	61	57	66	66	45	40	49	60	60	45	61	39	46	49	55
	MIN	43	41	35	25	29	30	31	42	26	30	34	39	45	49	48	44	38	35	35	31	28	22	25	45	41	34	36	32	32	33	30

EVAPORATION AND WIND

Station	Day of month																															Total Evap	Avg
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
BELLE GLADE EXP STA	EVAP	.11	.08	.09	.15	.10	.07	.10	.08	.12	.00	.12	.07	.03	.05	.22	.16	.11	.10	.10	.11	.19	.14	.09	.11	.13	.08	.13	.11	.06	.06	.13	3.20
CLEWISTON US ENGRS (a)	EVAP	.03	.03	.09	.11	.17	.06	.12	.03	.04	.09	.13	.07	.03	.13	.12	.09	.10	.07	.15	.08	.12	.13	.10	.05	.10	.10	.09	.12	.13	.01	.16	2.85
	MAX	81	81	68	67	60	63	71	71	72	62	70	72	69	69	73	72	73	69	65	64	61	63	58	65	70	71	75	67	67	67	67	68.5
	MIN	63	63	58	52	52	52	56	59	62	59	59	62	62	64	61	60	59	53	53	52	51	37	46	49	52	57	59	57	56	57	56	56.1
FT LAUDERDALE EXP STA	EVAP	.10	.05	.10	.14	.11	.08	.09	.14	.07	.06	.14	.07	.05	.06	.16	.18	.16	.05	.11	.10	.17	.04	.14	.09	.12	.10	.12	.06	.11	.04	.12	3.13
	WIND	40	10	33	39	18	12	20	2	14	89	106	84	52	19	40	42	15	20	15	56	51	6	21	8	21	25	37	28	20	24	41	1008
HIALEAH	EVAP	-	.09	.14	.08	.06	.11	.04	.08	.10	.05	.10	-	-	.07	.10	.17	.13	.05	.08	.09	.12	.13	.11	.16	.04	.15	.07	.11	.08	.05	.16	B3.01
	WIND	43	37	36	32	62	32	30	10	29	110	137	91	68	44	50	37	29	17	17	70	40	50	20	18	31	59	40	32	32	56	45	1413
LISBON	EVAP	.09	.09	.11	.10	.05	.08	.07	.03	.06	.06	.08	.06	.06	.10	.09	.13	.17	.09	.09	.17	.09	.09	.07	.06	.08	.05	.09	.08	.03	.07	.07	2.56
	WIND	50	30	40	45	10	20	15	10	45	40	40	25	45	45	40	55	30	35	30	100	50	35	15	15	30	35	65	45	30	45	25	1140
MILES CITY TOWER	EVAP	.01	.13	.12	.13	.08	.08	.12	.01	*	.08	.11	*	*	.22	.09	.11	.08	.09	.09	.08	.09	.14	.06	.07	.15	.07	.09	.08	.02	.13	.11	2.64
MOORE HAVEN LOCK 1	EVAP	.09	.08	.08	.16	.13	.08	.09	.03	.18	.23	.24	.03	.03	.08	.15	.14	.13	.07	.11	.14	.14	.10	.12	.12	.06	.11	.14	.07	.08	.08	.16	3.45
	WIND	33	5	5	59	78	23	29	6	55	89	56	64	82	21	53	45	9	10	12	84	35	30	20	5	5	29	67	12	30	120	62	1233
OKEECHOBEE HRN GATE 6	EVAP	.10	.13	.18	.18	.16	.05	.13	.10	.17	.00	.17	.10	.08	.22	.15	.19	.14	.16	.10	.16	.08	.22	.10	.10	.12	.07	.13	.10	.13	.11	.15	3.98
TAMIAMI TRL 40 MI BEND	EVAP	.08	.05	.15	.11	.08	.10	.08	.11	.05	.16	.05	.06	.07	.12	.09	.13	.13	.09	.09	.13	.10	.12	.06	.14	.12	.12	.07	.09	-	.11	.11	B3.07
VERO BEACH FAA AIRPORT	EVAP	.10	.13	.19	.21	.09	.11	.20	.06	.04	.11	.32	.15	-	-	.15	.16	.13	.09	.21	.17	.20	.12	.10	.11	.08	.18	.14	.08	.15	.18	B4.38	
	WIND	125	80	115	151	49	17	16	42	116	93	67	44	87	82	37	85	80	43	13	217	84	206	50	11	58	125	114	120	93	119	37	2576

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Ft Lauderdale Exp Sta - Evaporation station inadequately fenced.

Moore Have Lock I - Evaporation area not fenced.

Okeechobee Hrn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA AP - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

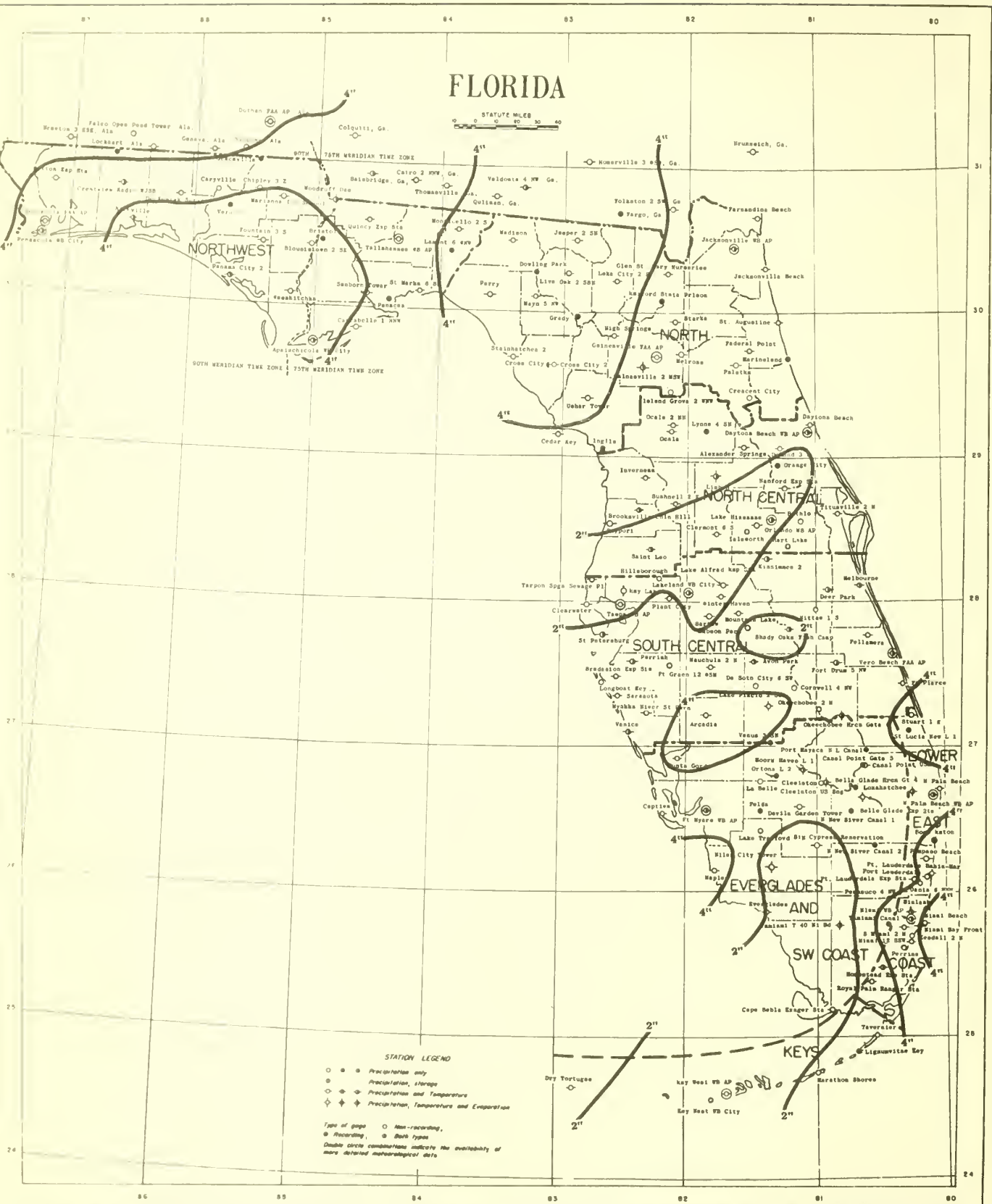
FLORIDA
JANUARY 1961

Station And Depth	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GAINESVILLE 3 WSW																																	
1 INCH	MAX	67	65	60	63	60	63	67	62	62	63	65	65	65	66	67	66	66	67	66	81	60	-	-	-	-	-	-	-	-	-	-	-
	MIN	60	52	52	46	48	49	52	57	53	48	52	55	58	58	56	51	50	50	48	48	42	-	-	-	-	-	-	-	-	-	-	-
4 INCHES	MAX	64	62	59	58	57	58	62	60	58	59	60	62	62	63	63	62	62	62	60	57	55	-	-	-	-	-	-	-	-	-	-	
	MIN	61	53	55	51	50	52	54	57	54	52	54	58	58	59	58	55	54	53	51	51	47	-	-	-	-	-	-	-	-	-	-	
8 INCHES	MAX	62	60	57	56	55	56	59	59	56	57	58	60	60	62	62	60	59	59	58	56	54	-	-	-	-	-	-	-	-	-	-	
	MIN	61	55	55	53	51	53	54	57	55	53	54	56	58	59	58	56	55	54	53	53	49	-	-	-	-	-	-	-	-	-	-	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

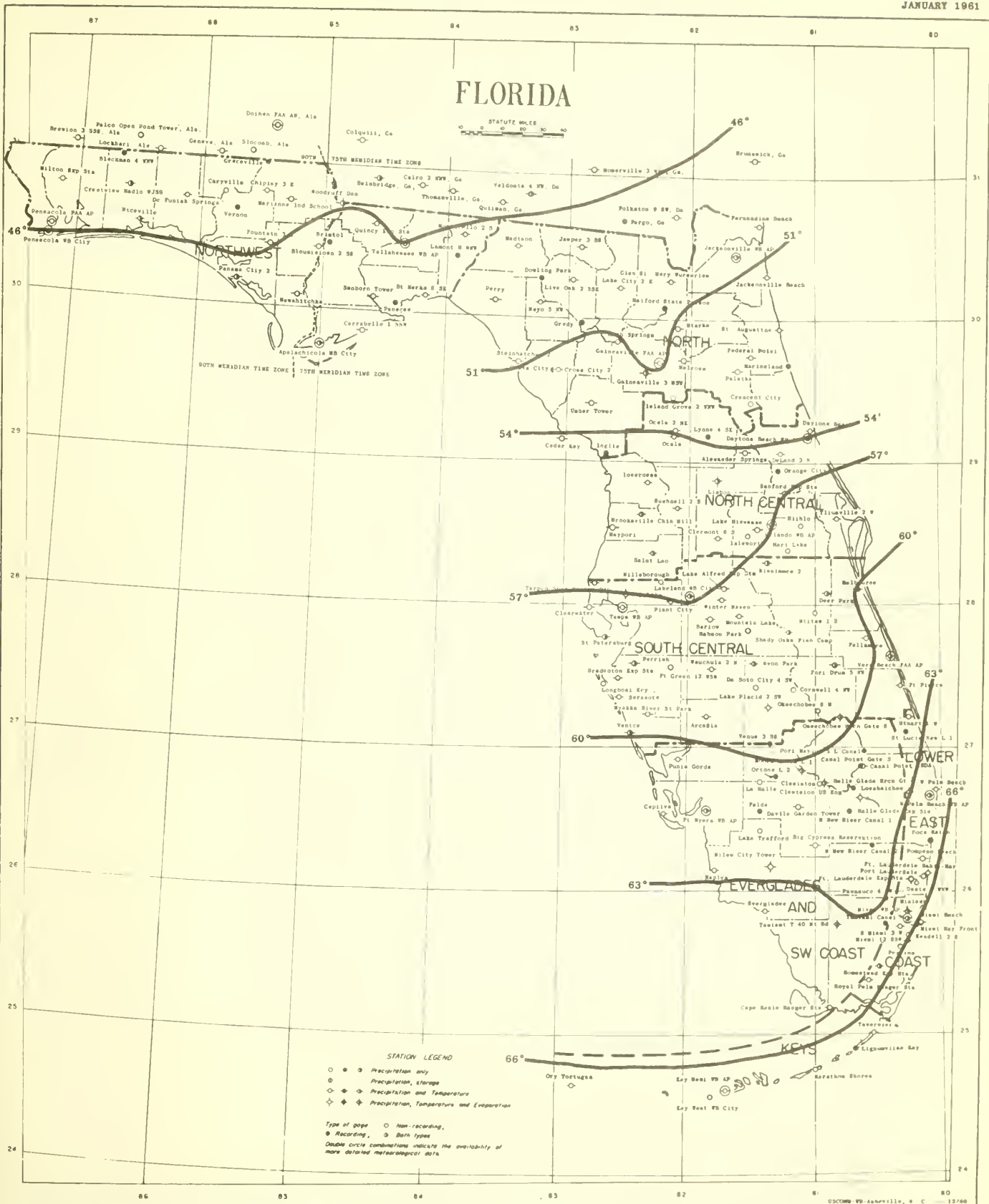
FLORIDA
JANUARY 1961



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation".

AVERAGE TEMPERATURE

FLORIDA
JANUARY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

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In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

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- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



FEBRUARY 1961
Volume 65 No. 2



FLORIDA - FEBRUARY 1961
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 92° on the 28th at Avon Park

Lowest Temperature: 27° on the 1st at Crestview Radio WJSB

Greatest Total Precipitation: 10.44 inches at Pensacola FAA Airport

Least Total Precipitation: 0.32 inch at Ft. Lauderdale Exp Station

Greatest One-Day Precipitation: 5.50 inches on the 24th at Saint
Augustine

DAILY PRECIPITATION

FLORIDA
FEBRUARY 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SAINTE LEO	2.63		.05	1.38			1.00													.41	T			1.74		.20							
SAINT MARKS 6 SE	3.65			.23			.43	.74																		.05							
ST PETERSBURG	3.01			.46	.10			2.35																		.10							
SANBORN TOWER	4.82			.21			.54	.68						.04						.30		.03		T	2.68	.06	.03			.28			
SANFORD EXP STATION	3.65			1.51	.05			1.21												.11				.67		.07							
SARASOTA	2.77		.02	.80	.08			1.85																		.02							
SOUTH MIAMI 3 W	.59			.12	.32			T	.15																								
STEINMATEE 2	4.65			.70				1.40																		2.55		.03					
STUART 1 M	.76		.01	.45	.23			.03	.01																								
TALLAHASSEE WB AP	5.29		.10	.13			.41	.52											.38	1.19				.40	1.56	.05	.25		.30				
TAMPAI TRL 40 MI BEND	-																																
TAMPA WB AIRPORT	3.81		T	2.23			.10	1.43																	.04		.05						
TARPON SPGS SEWAGE PL	2.30				.58			.12	1.35																			.25					
TAVERNIER	1.76			1.16	.40				.20																								
TITUSVILLE 2 W	1.98				.28	.10		1.07																.09		.29	.15						
USHER TOWER	5.91			1.30	.35			.75	1.20											.50					1.06	.35	.40						
VENICE	3.64		.03	.59	.21			2.78																			.03						
VERO BEACH FAA AIRPORT	.97		T	.28	T			.33																		.31							
WAUCHULA 2 M	3.35			.59				1.80	T																.39	.49	.08						
WEST PALM BEACH WB AP R	.42			.05	.15		.04	.17												T	T	T				.01							
WEAHTCHKA	6.73			.43	T	T	.77	.89											1.50	.60				.40	1.00	.44			.70				
WINTER HAVEN	3.21			.35	.09			2.55																	.03	.06	.11						
WOODRUFF DAM	3.34			.29	.04			.73	.05																1.00	.02	.18						

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.			Date of fastest mile	Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile		1:00 a EST	7:00 a EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over			
APALACHICOLA WB CITY	-	-	8.4	37	W	25	-	-	-	-	1	1	5	2	1	0	10	66	6.2
DAYTONA BEACH WB AIRPORT	SE	14	8.7	35++	SSW	25	89	92	58	76	2	1	5	2	0	0	10	-	6.1
FORT MYERS WB AIRPORT	-	-	8.3	25++	S	7	82	85	58	68	1	1	0	1	0	0	3	-	5.3
JACKSONVILLE WB AIRPORT	WSW	12	11.0	42	SW	25	82	89	53	70	2	2	3	2	2	0	11	60	6.1
KEY WEST WB AIRPORT	SE	24	12.6	29	N	25+	82	83	70	77	3	4	0	2	0	0	9	69	5.3
LAKELAND WB CITY	-	-	7.7	-	-	-	-	-	-	-	1	4	1	0	1	0	7	71	5.5
MIAMI WB AIRPORT	ESE	24	10.7	23++	ESE	6	79	81	59	68	6	4	2	0	0	0	12	72	5.8
ORLANDO WB AIRPORT	SE	11	8.2	29++	WNW	25	87	91	54	65	2	2	0	2	1	0	7	-	5.5
PENSACOLA WB CITY	-	-	11.6	30	W	25	-	-	-	-	0	5	5	1	2	1	14	44	-
TALLAHASSEE WB AIRPORT	SSE	14	6.8	28++	W	25	91	94	64	72	0	3	6	2	0	0	11	-	7.0
TAMPA WB AIRPORT	SE	10	11.2	35++	WNW	25	84	88	57	71	1	1	1	0	1	1	5	74	5.3
WEST PALM BEACH WB AIRPORT	SE	19	11.6	27++	SSE	7	81	84	58	72	4	3	2	0	0	0	9	-	5.8

♠ City Office Data

DAILY TEMPERATURES

JAN 1961

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows include various Florida locations like NAPLES, NICEVILLE, Ocala, etc.

See Reference Notes Following Station Index

DAILY TEMPERATURES

FLORIDA
FEBRUARY 1961

Continued

Station		Day Of Month																															Average			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
#WAHITCHKA	MAX	68	70	64	59	67	64	69	67	56	63	65	69	72	79	78	75	78	79	79	77	80	76	75	77	79	76	72	69							
	MIN	29	44	50	32	36	47	53	42	40	32	34	37	36	39	43	47	50	56	61	64	68	66	66	68	62	62	40	47	58						
#INTER HAVEN	MAX	76	73	70	69	71	71	72	69	62	59	69	75	78	80	82	82	81	87	86	87	87	86	86	87	85	74	79	88							77.5
	MIN	45	56	51	48	45	56	62	54	45	44	43	38	39	43	47	50	56	61	64	68	66	66	68	62	62	40	47	58							53.0
WOODRUFF DAM	MAX	62	63	68	50	53	62	56	61	50	52	57	63	74	77	79	73	74	75	79	78	81	80	71	78	78	60	70	77							67.9
	MIN	29	36	42	34	34	34	44	43	40	33	34	33	37	43	56	52	50	56	60	60	66	66	64	63	57	36	44	46							46.1

EVAPORATION AND WIND

Station		Day of month																															Total of Avg			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
BAY LAKE	EVAP	.13	.14	.08	.06	.15	.14	.09	.15	.18	.10	.07	.20	.16	.12	.25	.18	.18	.15	.20	.17	.18	.22	-	.20	.18	.27	.22	.19							B4.52
	WIND	15	15	10	35	35	50	40	95	95	45	30	25	15	10	10	10	35	60	25	55	60	60	55	35	80	75	20	35							3.82
BELLE GLADE EXP STA	EVAP	.13	.10	.04	.10	.09	.00	.22	.14	.21	.14	.12	.10	.10	.13	.13	.15	.17	.13	.17	.12	.18	.16	.14	.18	.16	.22	.15	.14							3.01
	WIND	30	15	45	60	60	80	75	120	85	60	40	40	20	10	30	20	40	60	40	40	20	80	50	40	160	55	20	50							74.3
CLEWISTON US ENGRS (a)	EVAP	.12	.12	.06	.04	.18	.04	.03	.11	.19	.15	.12	.13	.05	.08	.10	.10	.07	.13	.07	.05	.13	.13	.09	.10	.19	.19	.21	.03							60.5
	WIND	56	58	61	62	57	57	58	62	58	54	53	52	52	54	57	61	63	64	67	68	68	69	69	69	70	58	59	58							
FT LAUDERDALE EXP STA	EVAP	.10	.13	.09	.16	.09	.14	.13	.16	.20	.11	.14	.08	.12	.16	.12	.14	.14	.24	.12	.15	.16	.17	.17	.16	.22	.21	.19	.12							4.12
	WIND	15	23	29	48	50	62	68	62	32	28	18	20	20	21	20	23	36	65	45	76	56	53	65	50	45	60	29	29							1148
GAINESVILLE 3 WSW	EVAP	-.06	-.07	.17	.11	-	.13	.16	.07	.13	.12	.08	.13	.12	.11	.13	.08	.25	.19	.10	.27	-	.14	.23	.13	.12	.18								B3.83	
	WIND	30	15	45	60	60	80	75	120	85	60	40	40	20	10	30	20	40	60	40	40	20	80	50	40	160	55	20	50							1445
HIALEAH	EVAP	.16	.06	.01	.12	.09	.18	.14	.11	.18	.15	.16	.07	.14	.11	.16	.16	.11	.07	.25	.18	.20	.12	.21	.14	.14	.20	.21	.08							3.91
	WIND	50	19	35	49	9	106	99	70	66	53	41	16	28	35	41	47	50	88	73	90	96	92	79	68	62	90	35	52							1639
LISRON	EVAP	.10	.11	.04	.10	.10	.11	.09	.16	.12	.08	.11	.11	.11	.12	.12	.11	.16	.16	.12	.17	.17	.16	.10	.13	.17	.16	.15	.14							3.48
	WIND	15	15	10	35	35	50	40	95	95	45	30	25	15	10	10	10	35	60	25	55	60	60	55	35	80	75	20	35							1130
MILES CITY TOWER	EVAP	.08	.10	*	*	.23	.16	*	.21	.10	.08	.09	.13	.09	.17	-	-	-	.15	.14	.18	.21	.32	.19	.18	.35	.09	.09	.17							B3.93
	WIND	-	-	-	-	-	-	-	64	30	30	8	18	21	32	23	28	27	32	30	40	37	44	25	19	57	23	23	17							B 837
MOORE HAVEN LOCK 1	EVAP	.12	.13	.04	.03	.12	.16	.11	.08	.16	.13	.09	.04	.12	.12	.16	.16	.19	.14	.14	.14	.20	.16	.18	.21	.14	.17	.18	.14							3.76
	WIND	17	13	13	32	67	46	42	80	12	19	24	7	10	17	21	32	33	38	29	20	27	32	44	47	38	53	12	35							860
OKEECHOBEE HHN GATE 6	EVAP	.15	.15	.03	.05	.12	.16	.15	.08	.24	.12	.12	.12	.15	.12	.20	.17	.18	.23	.17	.18	.17	.20	.21	.25	.21	.26	.20	.22							4.61
	WIND	20	24	62	89	51	123	112	90	205	74	39	24	37	31	18	18	26	78	98	54	61	58	91	29	95	126	35	53							B3.64
TAMIAMI TRL 40 MI BEND	EVAP	.11	.02	.04	-	.13	.15	.11	-	.10	.09	.08	.05	.22	.14	.10	.11	.12	.15	.16	.18	.16	.15	.17	.18	.20	.16	.20	.10							4.70
	WIND	20	24	62	89	51	123	112	90	205	74	39	24	37	31	18	18	26	78	98	54	61	58	91	29	95	126	35	53							B3.15
VERO BEACH FAA AIRPORT	EVAP	.20	.08	.11	.09	.16	.21	.18	.11	.29	.25	.11	.16	.09	.16	.20	.12	.12	.16	.15	.17	.20	.19	.15	.23	.16	.31	.19	.15							1821
	WIND	20	24	62	89	51	123	112	90	205	74	39	24	37	31	18	18	26	78	98	54	61	58	91	29	95	126	35	53							1821

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Ft Lauderdale Exp Sta - Evaporation station inadequately fenced.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hrn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA AP - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

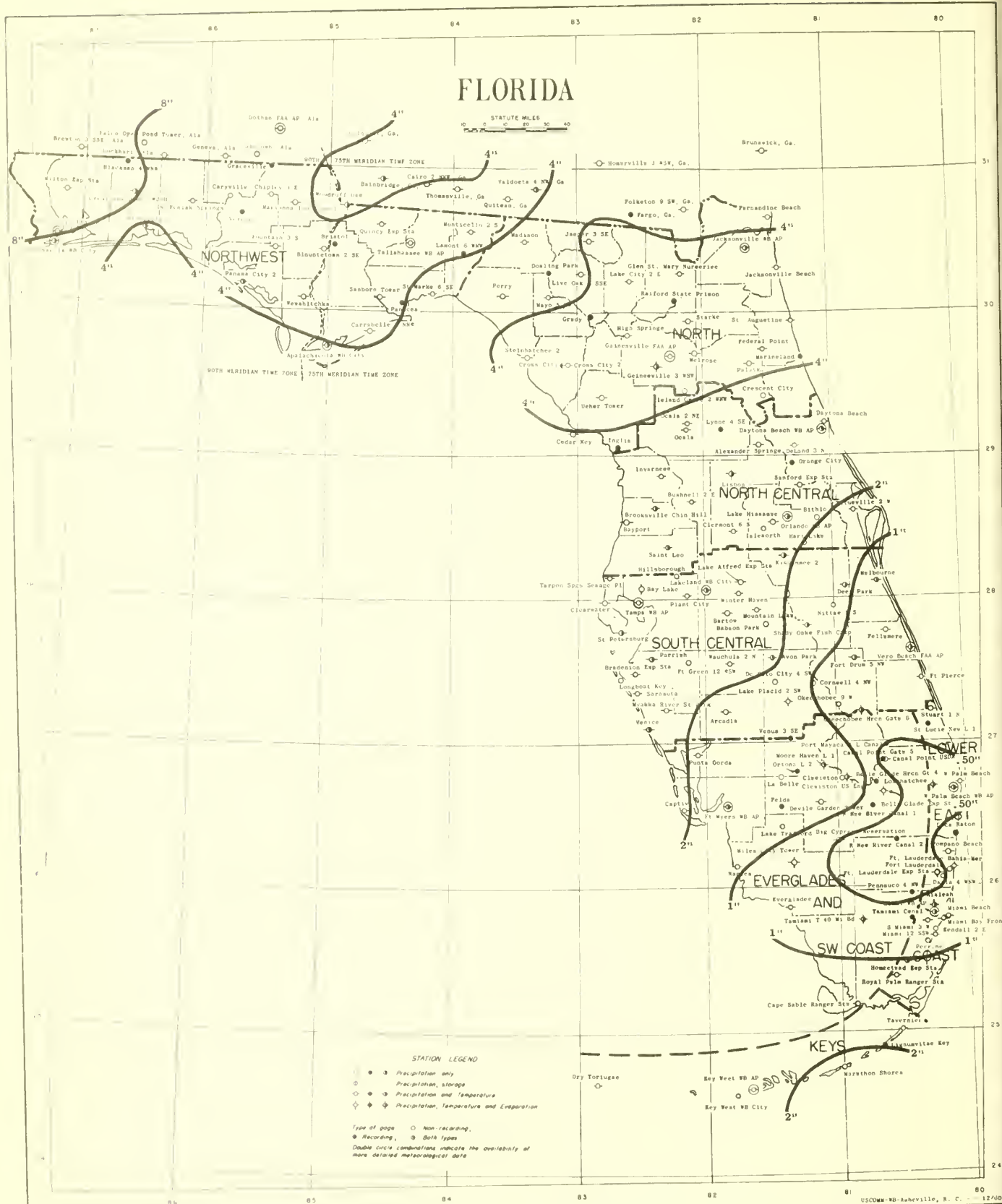
FLORIDA
FEBRUARY 1961

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<u>GAINESVILLE 3 WSW</u>																																	
1 INCH	MAX	-	-	67	66	66	62	65	69	67	65	68	71	74	73	75	74	76	78	79	82	82	73	82	77	74	-	78	80				72.9
	MIN	-	-	-	47	48	53	59	57	52	52	48	51	55	57	55	60	59	64	66	67	70	68	66	-	55	-	55	61				57.6
4 INCHES	MAX	-	-	60	60	60	59	61	63	63	60	61	63	65	68	68	69	70	70	74	78	76	73	75	75	70	-	70	73				67.3
	MIN	-	-	-	51	51	54	58	58	51	51	51	53	56	58	57	61	60	64	66	68	70	69	67	-	59	-	56	62				58.7
8 INCHES	MAX	-	-	58	57	56	57	59	60	61	57	58	60	60	63	64	65	66	68	72	72	73	73	72	72	66	-	66	70				64.2
	MIN	-	-	-	53	53	54	57	59	48	48	53	54	56	58	58	61	61	65	66	66	68	70	69	68	-	62	-	59	63			59.3

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

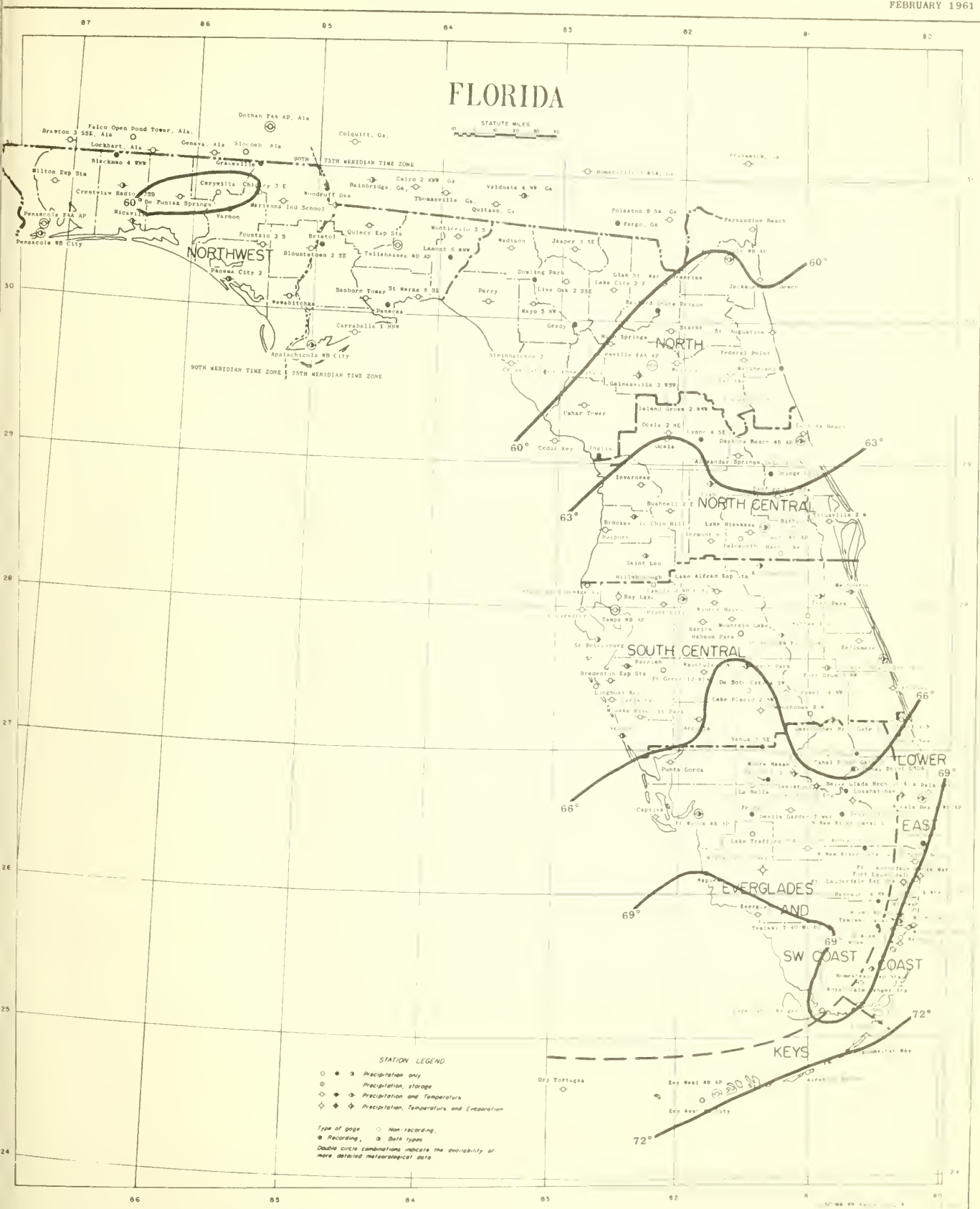
FLORIDA
FEBRUARY 1961



Isohines are drawn through points of approximately equal values. Hourly Precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
FEBRUARY 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

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+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

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USCOMM-WB-Asheville, N. C. --- 4/6/61 --- 900



U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



MARCH 1961

Volume 65 No. 3



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 29th at Avon Park

Lowest Temperature: 28° on the 11th at Alexander Springs

Greatest Total Precipitation: 8.56 inches at Milton Exp Station

Least Total Precipitation: 0.21 inch at Dania 4 WNW

Greatest One-Day Precipitation: 4.80 inches on the 18th at Panama City 2

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are checked for accuracy and completeness and placed on punch cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.

DAILY PRECIPITATION

FLORIDA
MARCH 1961

Continued

Station	Total	Day of Month																																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
ROYAL PALM RANGER STA	.79							.02	.03	.01					.73					.88	.10	.19											.10	.10						
AINT AUGUSTINE	1.62							T	.03					.01	.01					.10	T	.67												.29						
SAINTE LEO	1.95													.82	.07					.60	.04	.10												T	.72					
SAINTE MARK 6 SE	1.57	.01	T											.01	.18					1.04	.85													T	.72					
ST PETERSBURG	2.10																																			T	.72			
SANBORN TOWER	1.84	.12												.12					T	.55	.12	.03											.28	T	.60					
SANFORD EXP STATION	5.68													T	.14					.21	2.66	2.37													.30					
SARASOTA	2.27													1.92	.26																				T	.60				
SOUTH MIAMI 3 W	1.46			.17			.06		.04	.10										T	.77													T	.60					
TARKE	3.85						.01													1.40	.20	.05	1.87												.32					
STEINHATCHEE 2	-																																				-			
STUART 1 N	4.98				.11		.29	.06	.10	.08				.02	2.19					2.07	.06														.65	.29	T	1.35		
TALLAHASSEE WB AP	4.43	.50					T	T	.09										.65	.74	.98	.08	T														.65	.29	T	1.35
TAMiami TRk 40 MI BEND	.98														.98																								.49	
TAMPA WB AIRPORT	2.23				T	T								1.58				T	.01	T	T																.49			
TARSON SPGS SEWAGE PL	2.33													.05						1.28																	.13	.67	.20	
TAVERNIER	1.56						T	T					.52						.54																		.55			
TITUSVILLE 2 W	3.40														.78																								.55	
USHER TOWER	2.30														.30					.60	.60	.60															.80			
VERICEF	1.66					.02				.05					1.08	.28																					.05			
VERO BEACH FAA AIRPORT	3.52					.02		T						1.47	T					1.97	.01													T	.05					
WAUCHULA 2 W	2.21						.31	T		.07				.02	1.12	.01																					.87			
W PALM BEACH RADAR WIND	-				.31	T		T	.02	.09				.02	.44																					.28	.87			
WEST PALM BEACH WB AP R	3.57			.26		T	.06		T					.36	.10					.14	1.71	.94														.94				
WEWAHITCHEA	3.79	T	T	T	T		T		T					.15					.60	1.00	.10											.03	.60	T	1.31					
WINTER HAVEN	2.54													.70	.51					.06	1.14														.06					
WOODRUFF DAM	3.58	.28	.13					.02							.04					.43	1.39	.12	.11											.44	.37	.25				

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
APALACHICOLA WB CITY	-	-	8.6	38	E	18	-	-	-	-	2	2	4	1	1	0	10	73	5.7
DAYTONA BEACH WB AIRPORT	SE	15	9.3	28++	SE	18+	85	90	55	72	2	2	3	1	0	0	8	-	6.2
FORT MYERS WB AIRPORT	-	-	8.4	29++	WSW	31	83	90	54	69	1	2	0	1	0	1	5	-	5.2
JACKSONVILLE WB AIRPORT	SW	16	11.0	44	W	9	81	88	48	63	6	2	2	1	0	0	11	69	5.6
KEY WEST WB AIRPORT	SE	24	12.2	32	SE	17	77	77	63	74	3	3	3	1	0	0	10	76	5.3
LAKELAND WB CITY	-	-	7.7	-	-	-	-	-	-	-	0	2	0	2	2	0	6	72	5.5
MIAMI WB AIRPORT	ESE	26	10.5	25++	NW	10+	73	76	52	63	3	5	1	0	1	0	10	72	6.0
ORLANDO WB AIRPORT	SE	11	8.8	35++	S	31	81	89	46	60	3	3	0	1	1	0	8	-	5.6
PENSACOLA WB CITY	-	-	11.4	38	SE	18	-	-	-	-	3	6	3	1	4	0	17	51	-
TALLAHASSEE WB AIRPORT	S	17	7.5	40++	NW	29	87	91	56	66	5	3	1	4	1	0	14	-	5.8
TAMPA WB AIRPORT	SSE	10	11.3	36++	WNW	9	80	85	50	67	5	1	2	0	1	0	9	82	5.6
WEST PALM BEACH WB AIRPORT	SE	19	11.0	29++	NW	9	77	81	51	64	4	1	4	1	1	0	11	-	6.1

∅ City Office Data

DAILY TEMPERATURES

FLORIDA
MARCH 1961

Continued

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
VERO BEACH FAA AIRPORT	MAX	83	74	81	81	82	83	82	87	73	61	71	77	80	82	73	82	81	81	82	82	86	81	79	79	75	76	78	86	87	87	88	80.0	
	MIN	64	66	62	69	71	73	70	63	50	41	40	51	63	61	55	50	62	65	69	64	67	62	56	57	54	53	60	61	68	66	67	60.6	
#AUCHULA 2 N	MAX	87	85	88				89	89	82	65			79	79	78	82	85			88	86	83	83	80			84	89	89	90	87	84.2	
	MIN	63	60	59				60	59	64	57	41			56	54	47	62			61	64	59	46	53		47	59	63	63	66	57.4		
# PALM BEACH RADIO WJNO	MAX	84		82	83	84	84	83	88	82	64	74	80	80	86	81	85	84	83		83		83	87	80	79	79	81	82	84	84	89	82.1	
	MIN	72	61	69	74		75	73	74	63	44	49	57	71	64	59	52	65	74		67		69	60	59	55	60	67	72	71	69	74	65.0	
# WEST PALM BEACH WB AP	MAX	83	80	83	83	83	84	84	90	72	65	73	79	80	82	82	82	83	83		82	83	82	80	87	80	81	77	80	81	85	85	90	81.4
	MIN	67	67	71	74	73	75	74	66	53	44	47	66	64	63	59	52	62	70		66	67	68	62	60	57	54	58	63	69	69	67	70	63.8
# EWAHITCHKA	MAX	81	73	79	80	81	83	85	82	76	70	72	80	75	80	80	82	83	83		81	80	77	77	77	78	78	74	78	78	86	85	80	79.2
	MIN		48	45	55	58	61		54			37	40				42	45			51	59	48	51	50	47	42	45		58	58	66	66	
# WINTER HAVEN	MAX	87	83	84	87	88	88	88	87	82	67	76	81	78	81	79	83	85	85		87	85	85	81	84	80	81	81	83	87	88	89	86	83.4
	MIN	62	58	60	67	65	68	59	63	55	41	34	51	60	51	47	43	58	61		62	60	65	53	46	54	52	49	54	61	63	61	66	56.4
# WOODRUFF DAM	MAX	70	63	64	78	83	83	84	85	79	56	62	74	77	69	70	80	80	78		82	67	73	80	80	76	68	69	81	82	82	78	75.1	
	MIN	61	47	45	41	63	63	66	68	41	41	37	39	53	58	45	46	57	59		62	60	60	53	54	52	44	44	45	51	59	69	69	52.8

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BELLE GLADE EXP STA	EVAP	.18	.17	.13	.16	.16	.14	.22	.20	-	-	.20	.15	.17	.21	.22	.23	.18	.19	.20	.19	.20	.21	.23	.20	.19	.22	.21	.19	.22	.23	.22	B6.01
CLEWISTON US ENGRS (a)	EVAP	.10	.13	.17	.02	.05	.16	.16	.12	.32	.32	.18	.18	.12	.19	.13	.15	.19	.16	.12	.12	.16	.19	.15	.24	.23	.17	.15	.27	.17	.17	.19	5.18
	MIN	66	68	70	69	69	69	69	70	66	54	51	54	62	64	64	62	67	68	69	70	68	66	66	66	61	61	64	72	65	69	70	65.4
FT LAUDERDALE EXP STA	EVAP	.23	.07	.24	.16	.16	.18	.28	.23	.20	.30	.20	.16	.20	.13	.22	.21	.20	.19	.18	.22	.21	.17	.18	.21	.24	.19	.18	.19	.22	.20	.23	6.18
	WIND	37	32	43	45	30	30	54	32	52	61	36	35	42	60	25	21	15	47	45	40	35	38	5	14	32	30	6	26	42	30	32	1072
GAINESVILLE 3 WSW	EVAP	.12	.19	.13	-	.18	.20	.16	.22	.32	.21	.16	.17	.08	.07	.32	.13	.25	.20	-	.13	*	.44	.20	.26	.15	.18	.25	.24	.20	.23	.20	85.98
	MAX	81	80	80	85	87	85	85	82	75	68	77	79	75	82	78	78	82	85	84	83	82	81	80	79	78	82	85	82	89	87	85	81.3
BIALEAH	EVAP	.14	.25	.14	.18	.20	.22	.24	.22	.26	.35	.11	.16	.27	.11	.25	.23	.17	.20	.09	.32	.18	.10	.24	.21	.19	.21	.27	.20	.26	.18	.20	6.35
	WIND	41	47	35	76	90	98	67	55	65	101	47	55	77	81	43	28	22	74	71	35	56	41	26	21	26	40	50	57	65	36	70	1696
LISBON	EVAP	.17	.14	.13	.21	.19	.19	.21	.15	.32	.20	.14	.15	.07	.10	.18	.18	.10	.28	.12	.18	.18	.23	.20	.23	.20	.21	.22	.24	.23	.14	.18	5.67
	WIND	20	40	25	55	60	45	20	35	130	80	20	25	45	50	35	35	25	75	60	35	35	50	25	55	20	20	50	40	20	15	55	1300
MILES CITY TOWER	EVAP	.28	.20	.26	.25	.25	.22	.25	.39	-	-	-	.15	*	.63	.17	*	.45	.23	.32	.21	.20	.17	*	*	.86	.35	.16	.35	.25	.33	-	87.98
	WIND	28	12	31	31	39	31	20	29	*	122	35	30	15	53	23	*	39	29	29	14	32	34	20	*	51	41	20	21	29	16	25	899
MOORE HAVEN LOCK 1	EVAP	.18	.16	.21	.25	.19	.15	.18	.18	.24	.26	.17	.15	.18	.26	.21	.23	.17	.13	-	.21	.23	.21	.21	.18	.20	.26	.24	.23	.13	.31	.23	B6.34
	WIND	25	16	46	30	32	31	15	22	53	45	26	26	23	62	16	21	12	30	19	81	28	33	19	9	33	74	35	26	40	23	39	990
OKEECHOBEE HRN GATE 6	EVAP	.19	.21	.22	.22	.26	.19	.26	.30	.25	.40	.20	.20	.23	.33	.28	.28	.15	.19	.32	.23	.26	.30	.25	.25	.30	.25	.25	.30	.31	.28	.27	7.93
	EVAP	.22	.08	.16	.18	.18	.17	.16	.12	.17	.24	.20	.13	.26	.13	.16	.17	.14	.27	.08	.23	*	.09	.15	.14	.21	.17	.22	.13	.11	.12	.20	4.99
VERO BEACH FAA AIRPORT	EVAP	.12	.23	.19	.19	.20	.18	.16	.15	.16	.49	.18	.15	.25	-	.28	.28	.22	.16	-	.22	.22	.20	-	.07	.23	.24	.20	.20	.21	.21	.25	86.47
	WIND	.00	.03	.17	.10	.16	.15	.21	.16	.28	.30	.20	.15	.23	.05	.26	.22	.14	.17	.23	.04	.06	.21	.25	.29	.27	.20	.25	.15	.12	.26	.09	5.40
WOODRUFF DAM	EVAP	.17	107	57	42	41	43	52	48	217	296	67	48	55	51	112	43	40	133	67	50	38	69	63	87	127	52	41	55	58	60	62	2298

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hrn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

See Reference Notes Following Station Index

DAILY SOIL TEMPERATURES

FLORIDA
MARCH 1961

Station And Depth	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GAINESVILLE 3 WSW																																	
1 INCH	MAX	80	79	83	86	84	85	83	79	-	-	80	75	78	82	-	81	-	-	-	82	84	82	82	84	84	86	85	92	92	88	85	83.2
	MIN	65	65	68	70	72	71	70	55	-	-	60	65	60	57	-	64	-	-	-	-	68	65	64	64	62	62	64	65	71	73	73	68
4 INCHES	MAX	74	74	77	79	79	80	79	77	-	-	73	73	71	73	-	74	-	-	-	76	77	78	76	76	75	78	78	82	83	83	78	76.8
	MIN	67	67	69	70	72	72	71	60	-	-	62	66	63	62	-	66	-	-	-	66	68	67	67	64	65	66	68	72	74	74	70	67.5
8 INCHES	MAX	71	72	75	76	75	76	75	75	-	-	70	70	68	68	-	71	-	-	-	74	74	74	73	72	72	73	74	76	78	78	75	73.4
	MIN	68	67	70	70	71	72	72	62	-	-	64	66	65	63	-	66	-	-	-	67	68	68	68	68	66	68	69	72	75	74	71	68.3

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

FLORIDA
MARCH 1961



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
MARCH 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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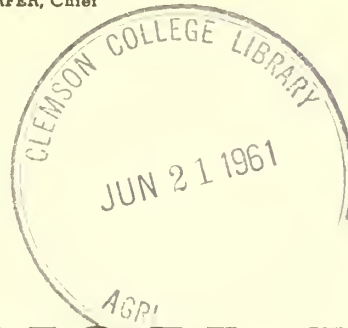
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F. W. REICHELDERFER, Chief



CLIMATOLOGICAL DATA

FLORIDA

APRIL 1961

Volume 65 No. 4



FLORIDA - APRIL 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 95° on the 26th at Avon Park

Lowest Temperature: 34° on the 17th at Woodruff Dam

Greatest Total Precipitation: 7.98 inches at Fernandina Beach

Least Total Precipitation: 0.00 inches at Everglades and Perrine

Greatest One-Day Precipitation: 4.18 inches on the 12th at Milton
Exp Station

DAILY PRECIPITATION

FLORIDA
APRIL 1961

Continued

Station	Total	Day of Month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
SAINT MARKS 6 SE	3.67						.80		.03		1.37		*	1.17																	.30
ST PETERSBURG	2.91	.90			.01		1.21			.03	.30					.72												.07	.35		
SANBORN TOWER	3.58			.10			1.16			.60	.50				.08	.72															
SANFORD EXP STATION	1.07	.23	T		.05		.07		.05		.53					.14															
SARASOTA	3.29	2.11					.28		T	.04	.35					.51															
STEINHATCHEE 2	2.28						.80		.50		.58				.40																
STUART I N	1.63	.51					.52	.07	.06		.21	.16			.08	.02													.10		
TALLAHASSEE WB AP	2.36			.07			.68	.02	.24		.02	.72			.51	T															
TAMIAMI TRL WB MI BEND	.50	.40																													.10
TAMPA WB AIRPORT	1.44				T		.05	.16		T	1.13				.09																.01
TARPOON SPGS SEWAGE PL	2.55	.48					.16				.11		.90		.90																
TAVERNIER	.10	.10																													
TITUSVILLE 2 W	.84	.57					.14			.10			.03																		
USHER TOWER	6.20	.85					.70			1.70	.20	1.50			1.25																
VENICE	3.87	2.97					.11				.31	.35			.13																
VERO BEACH FAA AIRPORT	1.38	.72					.50		.02	.10	.04				T																
WAUCHULA 2 N	1.96	.94					.83			.04	.07	.03			.05																
W PALM BEACH RADIO WJNO	2.24	1.50					.38			.34					.02																
WEST PALM BEACH WB AP R	2.28	1.94					.17	.02	.09		T	T			T																
WEWAHITCHEA	3.73						.25		*		1.56			*	1.92						.01										
WINTER HAVEN	2.12	.63					.96				.12				.41																
WOODRUFF DAM	5.67	.16			.07		.15			.93			.02	.37	1.08																.90

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
APALACHICOLA WB CITY	-	-	9.3	39	W	12	-	-	-	-	2	2	4	1	0	0	9	89	4.4
DAYTONA BEACH WB AIRPORT	WSW	13	10.8	37++	SSW	12	81	82	48	58	2	1	2	2	0	0	7	-	4.6
FORT MYERS WB AIRPORT	-	-	9.2	29++	SSW	12	82	88	52	69	3	1	3	0	0	0	7	-	4.2
JACKSONVILLE WB AIRPORT	SW	21	11.3	4B	SW	12	80	82	40	52	1	1	5	0	2	0	9	76	4.4
KEY WEST WB AIRPORT	ENE	15	12.1	32	S	1	76	75	62	68	2	1	0	0	1	0	4	77	4.3
LAKELAND WB CITY	-	-	8.4	-	-	-	-	-	-	-	0	2	3	1	0	0	6	77	4.4
MIAMI WB AIRPORT	ESE	11	11.0	30++	NE	20	75	77	48	62	5	2	2	0	0	0	9	76	5.1
ORLANDO WB AIRPORT	WNW	12	10.2	25++	SW	12	77	81	40	49	3	3	1	0	0	0	7	-	4.2
PENSACOLA WB CITY	-	-	12.7	33	SE	12+	-	-	-	-	1	2	1	2	2	0	8	74	-
TALLAHASSEE WB AIRPORT	NW	11	11.2	35++	W	12	89	89	46	55	1	3	2	3	0	0	9	-	4.5
TAMPA WB AIRPORT	WNW	14	12.5	37++	WNW	4	77	81	48	60	3	3	1	0	1	0	8	72	4.5
WEST PALM BEACH WB AIRPORT	WNW	10	11.7	32++	WNW	4	77	79	50	61	3	4	1	0	1	0	9	-	5.0

Ø City Office Data

DAILY TEMPERATURES

FLORIDA
APRIL 1961

Table with columns: Station, Day Of Month (1-31), and Average. Rows include stations like ALEXANDER SPRINGS, APALACHICOLA WB CITY, ARCOAIA, etc., with corresponding temperature data for each day.

See Reference Notes Following Station Index

DAILY TEMPERATURES

Continued

Table with columns: Station, Day Of Month (1-31), and Average. Rows list various Florida stations like FOUNTAIN 3 S, GAINESVILLE 3 WSW, etc.

DAILY TEMPERATURES

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
#INTER HAVEN	MAX	78	77	78	74	79	84	81	78	82	82	83	84	77	80	89	84	78	81	81	77	78	82	85	88	88	88	87	89	87	86	82.2	
	MIN	64	56	46	53	40	49	64	58	62	68	53	67	56	44	55	63	50	47	49	56	58	50	52	57	58	59	58	70	52	58	55.7	
#OODRUFF DAM	MAX	78	65	71	77	63	80	69	70	74	78	68	76	79	68	79	82	65	75	74	75	80	80	81	85	86	86	83	80	83	76	76.2	
	MIN	54	49	50	40	38	48	39	45	51	40	48	46	46	48	51	40	34	52	48	52	54	53	57	57	60	67	69	60	60	53	50.4	

EVAPORATION AND WIND

Station		Day of month																															Total Evap	Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
BAY LAKE	EVAP	.20	.28	.25	.25	.31	-	.26	.18	.22	.18	.32	.16	.18	.29	.20	.24	.29	.26	.29	.32	-	.13	.30	.28	.28	.30	.29	.29	.43	.31	B7.81		
BELLE GLADE EXP STA	EVAP	.33	.23	.20	.18	.37	.18	.23	.16	.19	.17	.25	.18	.28	.28	.21	.25	.26	.22	.22	.26	.36	.15	.26	.23	.21	.29	.28	.16	.23	.27	7.09		
CLEWISTON US ENGRS (a)	EVAP	-.20	.18	.16	.21	.15	.24	.17	.21	.02	.20	.21	.19	.32	.20	.16	.25	.28	.18	.36	.30	.28	.06	.29	.23	.16	.23	.22	.35	.20	B6.42			
	MAX	72	75	78	75	82	76	83	78	74	83	83	84	83	82	81	74	80	75	81	82	79	79	81	85	85	88	88	87	90	81	80.8		
	MIN	69	60	54	54	59	54	69	64	65	67	65	65	67	63	62	64	61	60	62	63	64	64	68	67	68	68	67	72	71	64	64.0		
FT LAUDERDALE EXP STA	EVAP	.37	.13	.28	.24	.30	.15	.23	.11	.16	.20	.26	.17	.37	.22	.15	.24	.38	.22	.20	.24	.13	.42	.18	.23	.26	.28	.25	.21	.25	.26	7.09		
	WIND	88	12	11	46	49	21	48	60	50	59	40	38	98	24	30	53	68	34	33	23	34	140	27	25	17	22	47	33	29	21	1280		
GAINESVILLE 3 W5W	EVAP	.17	.30	.29	.24	.20	.17	.20	.21	.17	.18	.20	.18	.29	.19	.20	.31	.33	.28	.24	.15	.32	.21	.21	.30	.26	.27	.20	.24	.21	.22	6.94		
	WIND	100	80	70	130	30	30	70	30	75	100	35	60	185	35	60	110	65	70	45	45	65	25	20	30	45	45	50	50	30	25	1810		
	MAX	77	77	77	75	81	80	79	82	81	81	79	71	76	84	84	78	77	80	82	83	85	88	90	90	88	89	86	89	86	87	82.1		
	MIN	60	50	48	50	41	52	56	48	62	58	50	61	49	50	55	61	47	52	50	52	50	54	58	59	61	64	63	64	57	55	54.6		
HIALEAH	EVAP	.18	.14	.25	.24	.30	.22	.16	.13	.22	.15	.21	.17	.27	.29	-	-	.37	.19	.22	.33	.30	.33	.32	.25	.29	.27	.26	.23	.11	.30	B7.18		
	WIND	108	47	36	61	85	35	64	66	127	64	43	47	110	59	53	49	88	40	32	29	129	102	118	36	54	52	46	44	36	55	1915		
LISBON	EVAP	.22	.24	.23	.24	.20	.24	.14	.16	.19	.23	.23	.01	.25	.19	.21	.28	.22	.24	.32	.25	.18	.21	.25	.25	.22	.24	.34	.24	.26	.23	6.71		
	WIND	70	55	35	80	25	30	45	30	90	60	30	110	80	25	45	70	30	40	40	30	30	25	30	25	30	30	30	35	20	25	1300		
MILES CITY TOWER	EVAP	* .03	.33	.60	.40	.47	.34	.33	-	-	.33	.61	.25	.33	.46	.38	.51	.27	.34	-	.38	.44	.34	.37	.35	.32	-	.32	.39	.31	B10.62			
	WIND	* 53	30	71	20	40	24	65	56	33	27	79	37	21	30	25	51	19	37	46	72	38	32	16	37	26	10	33	33	45	1106			
MOORE HAVEN LOCK 1	EVAP	-.22	.25	.20	.29	.20	.26	.17	.25	.19	.20	.23	.23	.24	.20	.31	.21	.25	.24	.31	.34	.29	.27	.28	.28	.28	.26	.27	.27	.30	B7.54			
	WIND	130	20	28	67	40	30	82	103	102	97	28	61	111	24	20	114	58	35	21	77	102	85	45	29	31	35	32	36	39	38	1720		
OKEECHOBEE HRCN GATE 6	EVAP	-.39	.26	.29	.41	.25	.22	.17	.23	.24	.25	.25	.22	.27	.35	.30	.25	.28	.27	.25	.34	.30	.28	.27	.25	.38	.25	.31	.31	.33	B8.45			
TAMIAMI TRL 40 MI BEND	EVAP	.17	.11	.19	.27	.16	.14	.12	.20	.17	.12	.22	.20	.22	.13	.17	.24	.14	.15	.15	.24	.20	.20	.24	.15	.21	.13	.15	.18	.24	.22	5.43		
VERO BEACH FAA AIRPORT	EVAP	.33	.39	.25	.26	.41	.21	.20	.46	.37	.20	.24	.22	.29	.24	.26	.24	.23	.26	.25	.25	.42	.50	.23	.17	.30	.27	.21	.35	.30	.46	8.77		
WOODRUFF DAM	EVAP	.07	.30	.20	.29	.22	.27	.08	.30	.25	.20	.22	.38	.39	.21	.24	.20	.26	.29	.24	.28	.25	.26	.20	.26	.23	.23	.20	.15	.30	.23	7.20		
	WIND	115	169	59	137	103	42	124	127	125	121	103	115	179	75	64	175	96	80	85	40	89	43	31	27	38	54	41	48	64	43	2612		

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA AP - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

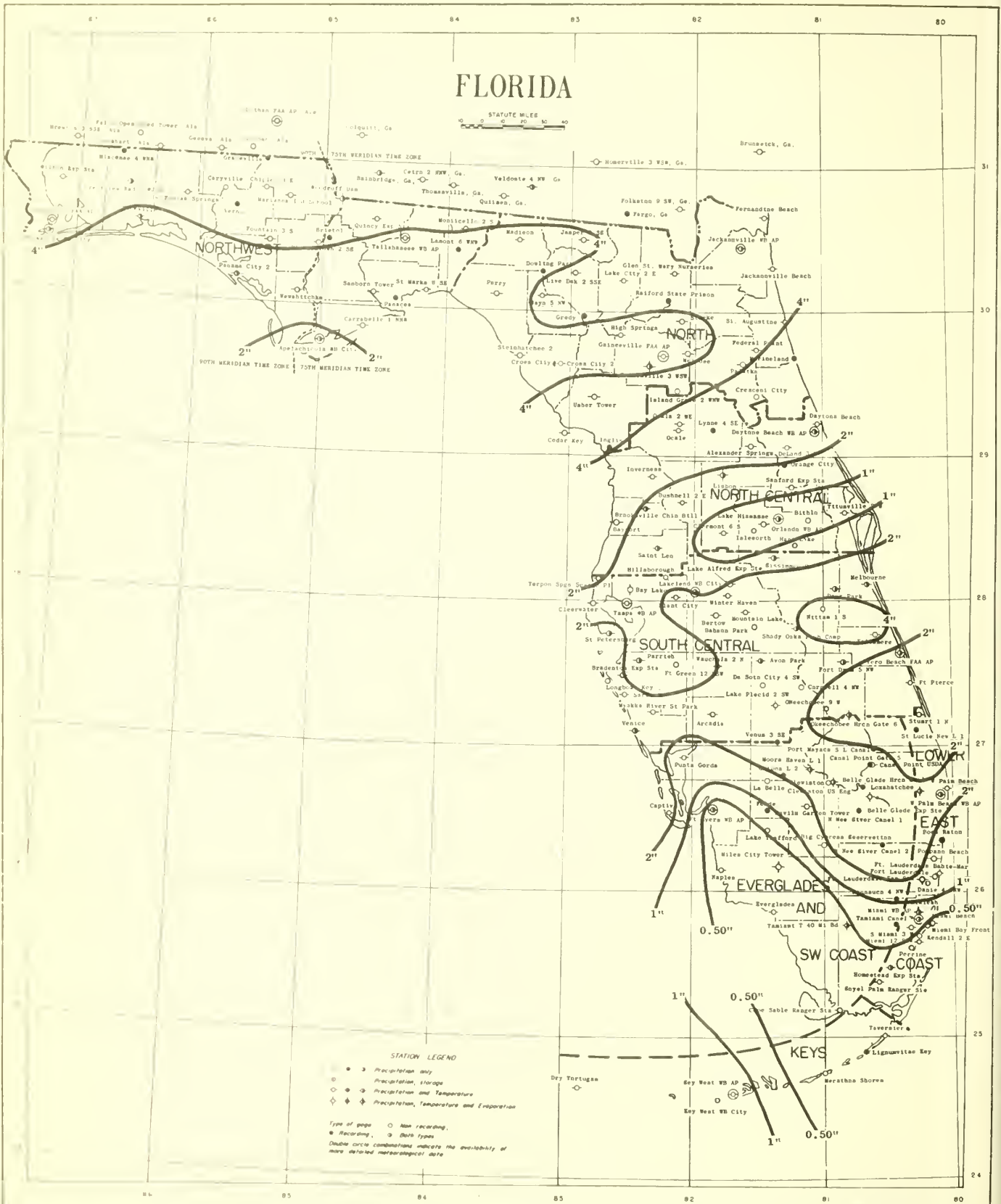
FLORIDA
APRIL 1961

Station And Depth	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GAINESVILLE 3 WSW																																
1 INCH	MAX	83	84	83	87	84	82	84	-	85	82	78	80	84	83	84	83	82	86	85	84	87	89	89	90	91	89	89	90	90	-	85.3
	MIN	65	63	64	59	65	66	60	-	65	63	69	62	62	65	68	62	64	65	65	66	65	66	69	69	73	73	73	69	68	-	65.8
4 INCHES	MAX	77	80	82	77	77	76	75	-	77	77	75	74	77	77	76	76	76	77	77	78	79	80	81	83	84	83	82	82	81	-	78.4
	MIN	69	66	67	63	66	68	64	-	68	66	69	65	65	67	70	65	67	66	68	68	68	69	70	72	74	74	74	72	71	-	68.3
8 INCHES	MAX	74	74	76	72	72	72	72	-	71	74	72	72	72	72	72	73	73	73	74	73	74	75	77	78	80	78	80	79	78	-	74.4
	MIN	71	70	69	66	68	69	66	-	69	67	69	67	66	68	70	66	68	68	69	69	71	71	72	74	75	74	74	73	-	69.6	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

FLORIDA
APRIL 1961



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
APRIL 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground; Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

MAY 1961
Volume 65 No. 5



FLORIDA - MAY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 99° on the 17th at Avon Park

Lowest Temperature: 42° on the 27th at Crestview Radio WJSB

Greatest Total Precipitation: 12.87 inches at Tavernier

Least Total Precipitation: 0.43 inch at Orlando WB Airport

Greatest One-Day Precipitation: 5.84 inches on the 2nd at Tavernier

CLIMATOLOGICAL DATA

FLORIDA
MAY 11

	Temperature													Precipitation																		
	M	Average	Deviation from 10 Year Mean	Highest Date	Lowest Date	Desire Days	No of Days					Total	Departure from Long Term Means	Greatest Day	Date	Snow, Sleet			No of Day													
							Max		Min							Total	Max Depth on Ground	Date	10 or More	50 or More												
							30° or Above	32° or Below	32° or Below	32° or Below	32° or Below																					
DIVISION														3.99	.69	.0																
EVERGLADES AND SW COAST																																
BELLE GLADE EXP STA	86.7	63.0	74.9	.1	92 24+	54 11	0	7	0	0	0	8.68	4.59	2.52	27	.0	0				7	5	4									
BIG CYPRESS RESERVATN	89.9	60.9	75.4		95 24+	52 11	0	0	0	0	0	9.93		3.17	30	.0	0															
CANAL POINT USDA	86.9	62.2	74.6		92 13	53 12+	0	9	0	0	0	8.82		3.42	27	.0	0				8	5	3									
CAPE SABLE RANGER STA	83.0	69.0	76.0		88 17	60 11	0	0	0	0	0	7.28		2.19	2	.0	0															
CAPTIVA	85.9	70.7	78.3		91 6	63 10	0	3	0	0	0	2.98		1.15	26	.0	0				5	2	1									
CLEWISTON U S ENG	87.6	65.9	76.8		93 22	53 11	0	8	0	0	0	9.43		4.08	26	.0	0				8	3	3									
DEVILS GARDEN TOWER	90.1	62.3	76.2		96 22+	53 11	0	17	0	0	0	8.88		3.07	30	.0	0				10	4	4									
EVERGLADES	87.1	67.1	77.1	-.4	93 18	55 2	0	10	0	0	0	4.54	-.09	1.45	2	.0	0				5	4	2									
FORT MYERS WB AP	89.7	65.7	77.7	.8	94 25	61 12+	0	22	0	0	0	4.92	.63	3.22	26	.0	0				4	3	1									
LA BELLE	90.9	61.7	76.3		95 26+	53 11+	0	19	0	0	0	5.01	1.39	1.31	29	.0	0				9	3	2									
DIVISION														6.52	2.55	.0																
LOWER EAST COAST																																
FORT LAUDERDALE	85.2	70.4	77.8	.4	90 25+	63 11	0	3	0	0	0	7.31	2.38	2.09	26	.0	0				10	5	2									
FT LAUDERDALE BAHIA MAR	84.9	69.4	77.2		90 21	62 11	0	1	0	0	0	6.92		3.29	27	.0	0				8	4	2									
FT LAUDERDALE EXP STA	87.0	65.6	76.3		93 25+	56 11	0	8	0	0	0	9.94		4.80	27	.0	0				11	5	2									
HIALEAH	86.5	68.3	77.4		92 25	59 11	0	6	0	0	0	7.53		2.58	28	.0	0				8	6	3									
HOMESTEAD EXP STA	87.1	66.1	76.6	.7	92 24+	55 11	0	7	0	0	0	9.23	3.24	2.28	26	.0	0				7	6	4									
LOXAHATCHEE	89.7	63.5	76.6		95 16	51 11	0	18	0	0	0	5.37		2.38	27	.0	0				9	3	1									
MIAMI 8AY FRONT	84.2	72.4	78.3		93 20	64 11	0	1	0	0	0	3.10		3.10	27	.0	0															
MIAMI BEACH	83.2	74.1	78.7	.3	88 14	66 11	0	0	0	0	0	7.30	3.37	4.49	27	.0	0				7	3	1									
MIAMI WB AIRPORT	84.9	71.0	78.0	.0	90 21	62 11	0	1	0	0	0	6.81	1.26	2.90	27	.0	0				7	4	2									
MIAMI 12 SSW	85.2	68.4	76.8	-.6	90 24+	57 11	0	3	0	0	0	11.97	6.21	3.95	27	.0	0				10	6	5									
POMPANO BEACH	85.8	65.5	75.7		91 22	58 11	0	4	0	0	0	11.43		3.40	27	.0	0				9	6	3									
ROYAL PALM RANGER STA	87.9	63.2	75.6		93 24	54 11	0	11	0	0	0	8.49		2.79	29	.0	0				7	5	2									
SOUTH MIAMI S W	86.7	66.2	76.5		94 21	55 11	0	7	0	0	0	8.15		2.40	27	.0	0				9	5	4									
STUART 1 N	86.1	67.4	76.8		96 21	59 12	0	5	0	0	0	11.02		3.67	25	.0	0				9	5	3									
W PALM BEACH RADIO WJNO	85.3	70.6	78.0		92 21	59 11	0	3	0	0	0	6.90		2.08	26	.0	0				9	4	3									
DIVISION														8.23	3.05	.0																
KEYS																																
DRY TORTUGAS	85.4	74.3	79.9		89 21	67 3+	0	0	0	0	0	1.67		.87	2	.0	0				2	2	0									
KEY WEST WB AIRPORT	85.4	75.5	80.5	.7	89 24+	68 2	0	0	0	0	0	2.37	-.45	.90	10	.0	0				4	3	0									
MARATHON SHORES	86.6	73.3	80.0		90 17	65 11	0	1	0	0	0	2.68		1.15	2	.0	0				5	3	1									
TAVERNIER	84.2	73.2	78.7		87 28+	66 12+	0	0	0	0	0	12.87		5.84	2	.0	0				5	3	3									
DIVISION														4.90	2.40	.0																

DAILY PRECIPITATION

FLORIDA
MAY 1961

	Day of Month																																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
PETERSBURG	3.41	.39	.15			.61				.96		T														.64	.66										
JANBORN TOWER	2.82	.30						1.08	.08	T															.16	.84	.56										
JANFORD EXP STATION	1.12		.30	.11					.21												.17					.17	.04							.12			
JARASOTA	4.98	.64	.14						.97																	3.71	.01	.01	.03								
SOUTH MIAMI S W	8.15		.55	T		.10		1.42	.23	.03													.03	.09	.23	1.28	2.40	1.37	.42	T					T		
STANKE	3.19		.22		.03			.56	.56	.92	.06												.20	.02			.62										
STEINHATCHLE 2	1.04	.40				.10																				.54											
STUART 1 N	11.02		.11	.50				.06	.34			.21	.05												.56	3.67	.43	2.34	2.75								
"A SHUT" F W B AP	2.49	.17	T					1.08			.20											.06	.01	.09	.16	T	.62	T									
TAMPA INTL AD MI BEND	7.05		1.31					1.44	.53				.01												.08	.66	.53	1.80	.67								
TAMPA WB AIRPORT	R 2.14	.16	.09		.11			.05	1.01																	T	.66	.06									
TARPOON SPGS SEWAUE PL	2.87		1.20						1.14																		.53										
TAVURNIER	12.87		5.84					3.10	.41																		3.10										
TITUSVILLE 2 W	2.24		.21					.70	.41	.05			.02												.45	.03	.71		.07								
USHER TOWER	2.65		.95					1.20																	.10	.20	.20										
VENICE	3.87		.11						.40																		2.43		.93								
VERO BEACH FAA AIRPORT	2.74	.11	.03						.11	.05			.07														1.67		.15	.50							
WAUCHULA 2 N	5.30	.20			.32			2.76	.99				.11														.92										
W PALM BEACH RADIO WJMO	6.90	.48	.97	.01	T	.16	T	.06	.31																	.02	.13	2.08	1.22	1.21	.19	T					
WEST PALM BEACH WB AP R	5.09	.35	.27		.29	.26	T	.08	.44				.65	T												T	1.46	.58	.45	.24							
WINTER HAVEN	6.36		.87		1.18			.28	1.83																		.14	1.64	.12								
WOODRUFF DAM	4.00	.11	.71						1.00	T																.50	1.28	.01	.39								

SUPPLEMENTAL DATA

Station	Wind direction			Wind speed m. p. h.			Relative humidity averages percent				Number of days with precipitation							Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	2.00 and over	Total		Percent of possible sunshine
APALACHICOLA WB CITY	-	-	7.7	26	E	24+	-	-	-	-	0	0	2	1	2	0	5	81	4.6
DAYTONA BEACH WB AIRPORT	SE	10	9.5	40++	WSW	26	87	86	57	72	9	1	4	0	1	0	15	-	5.6
FORT MYERS WB AIRPORT	-	-	7.8	25++	ESE	5	80	84	48	63	2	1	1	2	0	1	7	-	4.8
JACKSONVILLE WB AIRPORT	NE	11	10.4	41	N	23	85	87	51	66	4	4	3	1	1	0	13	60	5.7
KEY WEST WB AIRPORT	ESE	25	9.6	34	N	2	76	76	64	68	3	5	1	3	0	0	12	76	5.5
LAKELAND WB CITY	-	-	7.4	-	-	-	-	-	-	-	2	4	3	1	1	0	11	72	5.7
MIAMI WB AIRPORT	ESE	13	9.3	37++	NW	24	81	83	61	72	5	4	3	2	1	1	16	69	5.8
ORLANDO WB AIRPORT	ESE	10	9.4	23++	W	26	84	88	46	57	7	2	2	0	0	0	11	-	5.3
PENSACOLA WB CITY	-	-	9.0	31	W	1	-	-	-	-	2	1	2	2	1	0	8	55	-
TALLAHASSEE WB AIRPORT	N	10	8.5	40++	WNW	21	89	89	51	61	3	4	3	1	1	0	12	-	5.7
TAMPA WB AIRPORT	W	13	11.1	29++	W	9	81	86	53	64	1	3	2	1	1	0	8	66	5.1
WEST PALM BEACH WB AIRPORT	ESE	15	10.3	35++	W	10	81	84	56	72	4	2	7	2	1	0	16	-	6.0

Ø City Office Data

DAILY TEMPERATURES

FLORIDA MAY 1961

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like MYAKKA RIVER ST PARK, NAPLES, NICEVILLE, Ocala, etc., with maximum and minimum temperature data.

DAILY TEMPERATURES

FLORIDA
MAY 1961

Continued

Station		Day Of Month																														Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
# PALM BEACH RADIO #JND	MAX	85	82	85	85	84	81	83	84	85	87	81	88	87	84	85	85	87	86	85	86	92	90	90	85	88	82	88	83	84	84	83	85.3
	MIN	74	66	67	66	76	71	72	75	76	71	59	65	70	68	66	68	70	77	71	69	70	67	71	69	78	73	72	72	70	76	70.6	
# EST PALM BEACH #B AP	MAX	84	80	86	86	84	85	84	83	85	85	80	88	88	85	85	88	90	86	88	91	95	95	93	89	88	82	86	84	82	87	85	86.4
	MIN	73	65	65	65	68	70	73	74	70	63	57	64	69	69	65	67	69	76	68	68	70	66	66	68	72	67	71	72	71	70	69	68.5
# WINTER HAVEN	MAX	84	85	86	91	89	86	87	90	88	81	80	85	89	89	91	92	94	93	94	92	90	90	89	93	89	89	84	77	88	91	90	88.3
	MIN	65	62	60	62	66	66	66	66	66	64	61	55	56	60	61	58	62	60	70	66	61	65	66	63	63	67	68	67	64	68	66	63
# WOODRUFF DAM	MAX	83	79	77	80	84	89	87	89	91	75	70	72	82	84	89	85	87	89	92	90	91	90	89	84	81	81	75	81	85	88	84.1	
	MIN	54	61	59	54	58	67	67	65	63	52	55	58	57	60	64	70	64	65	67	67	66	69	70	67	68	67	54	54	56	60	62	61.9

EVAPORATION AND WIND

Station		Day of month																															Total Evap Avg	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DAY LAKE	EVAP	.25	.10	.23	-	.28	.26	.30	.29	.25	.27	.29	.18	.29	.27	.31	.26	.28	-	.25	.25	.36	.31	.33	.26	.23	.28	.11	.26	.19	.17	.33	B7.95	
	WIND	39	70	12	17	18	39	19	92	36	26	37	45	30	24	26	19	23	28	29	22	25	27	19	34	25	18	-	23	14	.08	.31	B7.13	
BELLE GLADE EXP STA	EVAP	.29	.27	.07	.17	.23	.24	.24	.27	.21	.18	.20	.23	.25	.22	.29	.26	.26	.24	.15	.24	.29	.28	.23	.30	.20	.23	-	.17	.27	.07	.30	B7.08	
	WIND	45	60	20	10	45	50	45	35	40	30	25	35	30	30	15	45	25	35	30	40	65	60	75	25	40	60	35	50	35	30	30	1195	
CLEWISTON US ENGRS (a)	EVAP	.30	.05	.12	.11	.14	.22	.20	.35	.15	.18	.29	.11	.17	.14	.30	.26	.17	.29	.28	.28	.20	.34	.22	.26	-	-	.08	-	.17	.18	.20	B6.38	
	WIND	72	69	68	70	70	68	72	74	72	69	65	64	67	78	72	72	73	74	75	74	67	64	75	72	74	71	71	72	75	73	72	71.1	
FT LAUDERDALE EXP STA	EVAP	.23	.21	.05	.35	.21	.26	.29	.29	.21	.19	.29	.14	.23	.24	.26	.19	.23	.28	.29	22	.25	.27	.19	.34	.25	18	-	.23	.14	.08	.31	B7.13	
	WIND	39	70	12	17	18	39	19	92	36	26	37	45	30	24	26	19	23	28	29	22	25	27	19	34	25	18	-	23	14	.08	.31	1073	
GAINESVILLE 3 WSW	EVAP	.18	.18	.21	.30	.30	.28	.31	.31	.22	.15	.16	.20	.22	.31	.18	.28	.29	.27	.25	.32	.35	.31	.28	.19	.20	.25	.17	.23	.23	.34	.30	7.77	
	WIND	45	60	20	10	45	50	45	35	40	30	25	35	30	30	15	45	25	35	30	40	65	60	75	25	40	60	35	50	35	30	30	1195	
HIALEAH	MAX	77	88	88	91	92	91	91	92	88	82	83	87	88	90	92	93	94	93	94	95	94	92	88	87	89	87	86	85	90	96	89	89.4	
	MIN	70	61	66	65	67	65	64	65	67	61	57	59	60	63	62	67	63	68	67	65	68	70	69	63	66	70	64	55	64	63	65	64.5	
LISBON	EVAP	.17	.14	.21	.24	.26	.26	.25	.29	.21	.22	.21	.20	.23	.23	.20	.24	.29	.22	.22	.26	.28	.32	.27	.29	.23	.20	.14	.15	.18	.23	.26	7.10	
	WIND	80	30	15	30	45	50	60	65	55	40	35	25	25	20	10	35	20	30	15	30	50	45	45	25	30	40	40	40	25	15	25	1095	
MILES CITY TOWER	EVAP	*	*	.39	.06	.29	-	.48	.31	.20	.35	.27	.33	.37	.32	.33	-	.38	.45	.27	-	-	-	-	-	-	*	*	.56	-	-	-	-	
	WIND	26	42	16	33	56	40	31	40	19	15	20	24	3	29	21	16	40	15	25	50	*	17	19	28	21	36	27	26	34	-	-	B 823	
MOORE HAVEN LOCK 1	EVAP	.30	.23	.11	.24	.26	.29	.35	.33	.25	.19	.23	.18	.26	.27	.28	.28	.26	.28	.31	.28	.26	.33	.28	.30	.22	.17	-	.17	.17	.19	.31	B7.84	
	WIND	42	66	42	16	23	72	101	50	37	36	45	30	21	39	45	27	21	18	32	30	17	25	17	38	32	27	60	70	58	32	60	1219	
DKEECHDBEE HRCN GATE 6	EVAP	.30	.29	.18	.22	.33	.17	.27	.29	.34	.23	.30	.34	.34	.35	.32	.31	.36	.32	.30	.32	.37	.38	.33	.33	.33	.22	.36	.13	.32	.11	.25	.22	8.90
	WIND	45	60	20	10	45	50	45	35	40	30	25	35	30	30	15	45	25	35	30	40	65	60	75	25	40	60	35	50	35	30	30	1195	
TAMIAMI TRL 40 MI BEND	MAX	-	-	-	-	90	88	88	87	82	84	85	90	91	94	87	92	97	92	92	95	94	96	96	97	97	87	92	89	92	95	93	91.2	
	MIN	-	-	-	-	83	70	69	66	64	67	65	69	72	74	72	70	73	74	79	72	74	70	72	71	72	72	75	73	78	73	70	71.8	
VERD BEACH FAA AIRPDRT	EVAP	.29	.24	.15	.14	.28	.33	.39	.29	.29	.21	.21	.21	.25	.24	.23	.31	.25	.21	.34	.29	.28	.36	.29	.35	.27	.36	.38	.28	.08	.32	.29	8.41	
	WIND	.09	.30	.19	.27	.26	.24	.28	.28	-	.07	.22	.10	.20	.27	.23	.27	.40	.28	.26	.29	.34	.26	.24	.20	.14	.13	.22	.29	.26	.25	.27	B7.34	
WOODRUFF DAM	EVAP	.09	.30	.19	.27	.26	.24	.28	.28	-	.07	.22	.10	.20	.27	.23	.27	.40	.28	.26	.29	.34	.26	.24	.20	.14	.13	.22	.29	.26	.25	.27	B7.34	
	WIND	54	82	63	35	37	75	56	42	52	116	112	26	30	33	22	59	106	46	26	35	47	31	48	65	41	24	135	109	57	25	38	1728	

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hrcn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

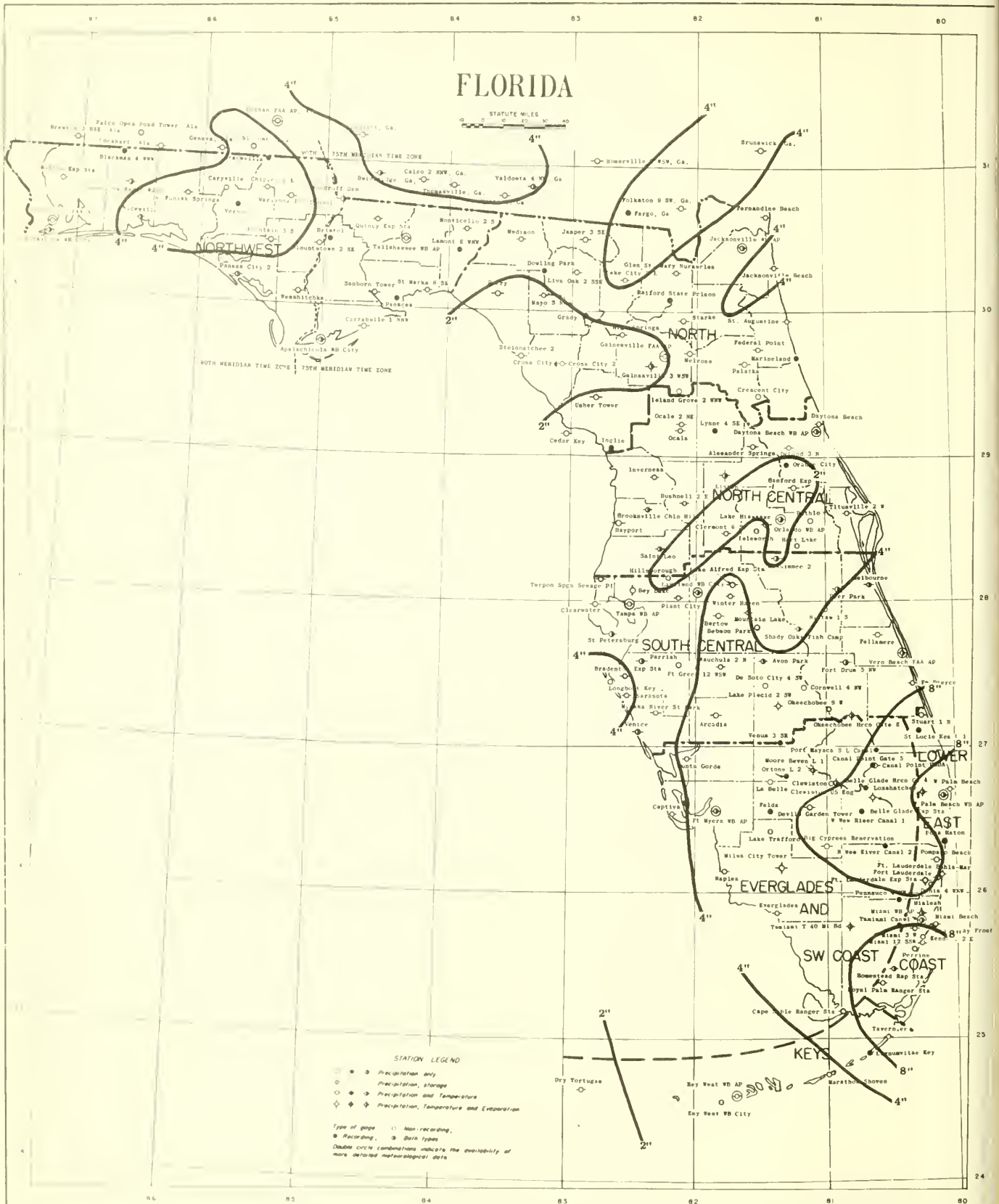
FLORIDA
MAY 1961

Station And Depth	Day of month																															Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
GAINESVILLE 3 WSW																																		
1 INCH	MAX	88	89	91	91	94	96	95	92	90	84	88	90	90	93	98	100	98	95	102	102	102	102	98	90	97	93	93	92	94	103	100	94.5	
	MIN	69	73	73	74	74	75	76	76	73	74	69	69	70	73	72	76	74	79	77	77	79	80	79	76	76	79	75	70	75	74	76	76	74.6
4 INCHES	MAX	80	82	84	85	86	88	88	86	82	82	81	82	83	85	88	89	89	88	90	90	90	90	88	84	87	85	84	84	86	90	89	86.0	
	MIN	71	74	73	76	76	76	78	76	75	73	72	72	74	75	77	77	80	79	78	80	80	80	78	77	79	76	72	75	76	77	77	76.1	
8 INCHES	MAX	77	78	80	81	81	82	82	82	80	80	78	80	81	81	83	84	84	84	86	86	87	86	86	83	84	84	83	82	84	86	85	82.8	
	MIN	71	74	74	77	77	78	79	76	76	74	74	73	76	76	78	78	81	80	80	82	82	82	80	80	81	76	76	78	79	80	80	77.7	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

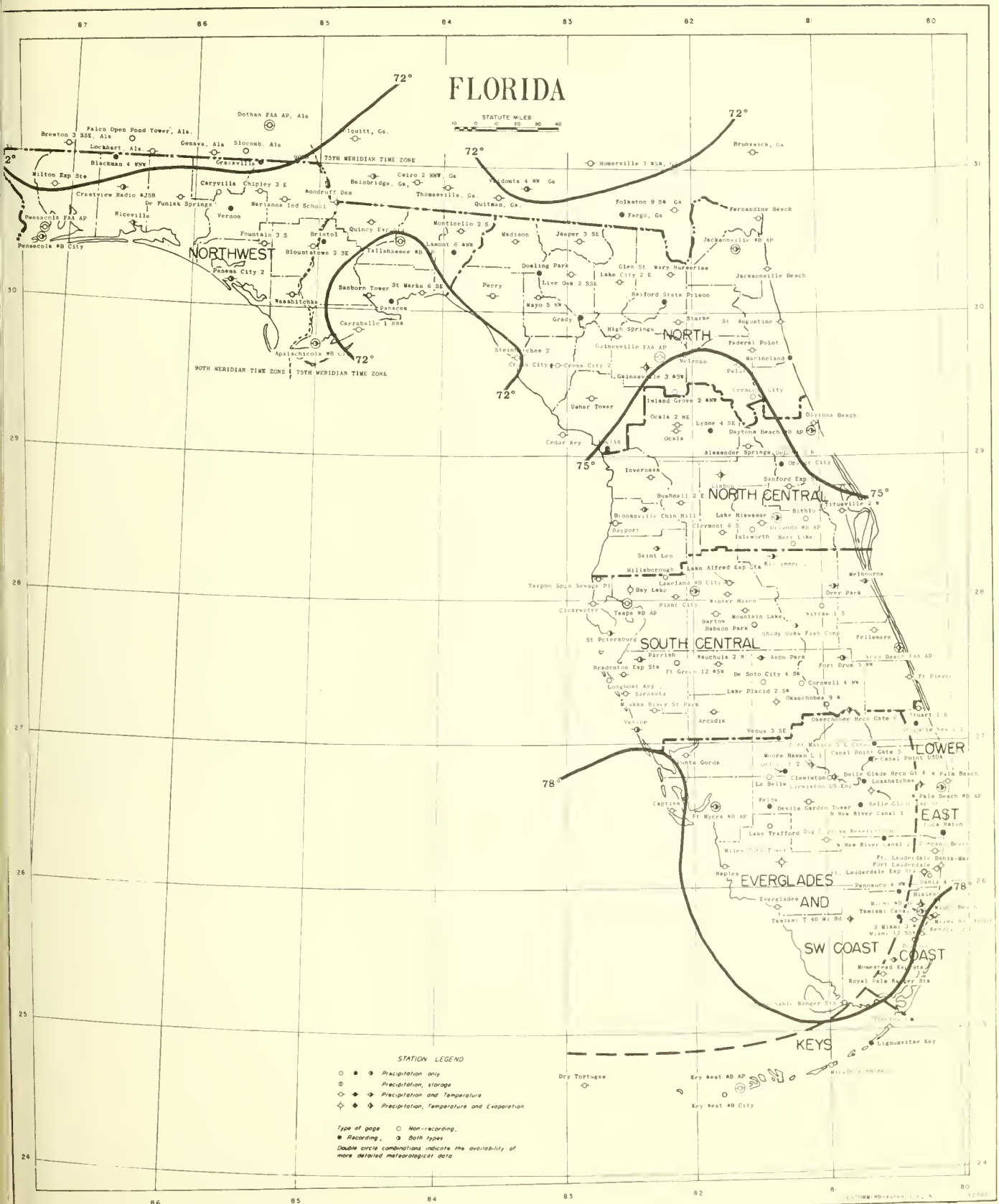
FLORIDA/
MAY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
MAY 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground; Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purpose, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 6/30/61 --- 900



20.1078 6578
U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief



CLIMATOLOGICAL DATA

FLORIDA

JUNE 1961

Volume 65 No. 6



FLORIDA - JUNE 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 100° on the 13+ at 4 stations

Lowest Temperature: 50° on the 2nd at Starke

Greatest Total Precipitation: 12.49 inches at Milton Exp Station

Least Total Precipitation: 1.50 inches at Plant City

Greatest One-Day Precipitation: 6.80 inches on the 20th at Milton
Exp Station

DAILY PRECIPITATION

FLORIDA
JUNE 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SAINT LEO	4.93						.27	1.21		.20	1.40	.10	.15	.05	.15	.05				.15	.15		.40		.10	.20	.35						
SAINT MARKS 6 SE	5.75								.15	.29	.06		.04	.52	.03		.03	.20						.33		.06	1.49						
ST PETERSBURG	3.20								.10	.38		.17	.57			.20	.28	.48			.23	1.65		.40	.30	.24	.23	2.89		.05	.25		
SANBORN TOWER	4.24																																
SANFORD EXP STATION	5.37																																
SARASOTA	3.03		.01				.17	.02	.62	.05		.47	.51									.32	.26									.50	.05
SOUTH MIAMI 5 W	11.60	.66	.11	.42		T	.20	.23	1.13	1.79	1.04	.05	T	.11		.78	.03	.05			2.00		T	T	.30	.57	2.62	1.52	.04		.61	.02	
STARKE	9.27							1.00						3.33	.17	2.13																	
STEINHATCHEE 2	-								.03	.01	.50	.72	.02										.68	1.66									
STUART 1 W	4.33																																
TALLAHASSEE WB AR	4.55							.78	T		.01	T	.64	.14	.48	T				T	.65	1.00			.05	.21	.42	.11	.06				
TAMIAMI TRL 40 MI BEND	7.65							.65	.11		.45	.23			.84							1.30		1.17		.12	.81	.74	1.20		.03		
TAMPA WB AIRPORT	2.84					.28	.04	.77	.05		.65		.26		.06	T					.01				.21	T							
TARPOON SRGS SEWAGE PL	3.13							.42		.50			1.00			.30						.25	.10			.10	.45						
TAVERNIER	3.80		.04					.48	.45													.13	.44									1.50	.08
TITUSVILLE 2 W	3.02										.02						.19							.75	.09	.67		1.30					
USHER TOWER	7.10										.30	.20		.10	1.00	.70	1.90					2.00										.60	
VENICE	2.01				.14			.23	.05			.51		.08								.26	.33				.31						
VERO BEACH FAA AIRPORT	2.96							T	T	.68	.01	.03															.34	.04					.10
WAUCHULA 2 M	4.27						.59	.07	.11			.02	.91	T	.69		.52				.04	.15	.66	T		.03	.03	.34	.04		.12		
W PALM BEACH RADIO WJHO	2.59						T	.29	.03		.12	T	.07				.05						.33	.23			.23	.10	.63	.51	T		
WEST PALM BEACH WB AR R	2.65							.23	.88		.16										T	T	.05	.33	T	.02	.12	.04	.65	.09			
WINTER HAVEN	9.40		.08					.31	.23	1.84			.89	.05	.09	.36						.02	.26	.14	.12	2.08	1.38	.18	.06	1.57	.05		.09
WOODRUFF DAM	2.43																					.04	1.58	.12			.02	T					

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.			Relative humidity averages percent				Number of days with precipitation						Total	Percent of possible sunshine	Average sky cover	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199				200 and over
APALACHICOLA WB CITY	-	-	6.6	29	SW	20	-	-	-	-	4	0	3	2	0	1	10	79	5
DAYTONA BEACH WB AIRPORT	SE	8	7.8	37++	SSW	15	88	88	65	77	7	2	5	4	0	1	19	-	6
FORT MYERS WB AIRPORT	-	-	6.9	23++	NE	12+	80	80	54	66	4	3	6	3	1	2	19	-	6
JACKSONVILLE WB AIRPORT	SW	15	9.8	32	S	21	86	88	57	71	5	4	4	4	1	0	18	58	6
KEY WEST WB AIRPORT	ESE	25	10.0	31	NW	28	77	77	65	70	7	3	6	1	0	1	18	71	7
LAKELAND WB CITY	-	-	6.0	-	-	-	-	-	-	-	7	5	3	0	3	0	18	63	6
MIAMI WB AIRPORT	ESE	18	9.1	25++	NW	16	82	81	66	74	5	3	6	0	2	2	18	62	7
ORLANDO WB AIRPORT	SE	12	8.3	30++	SE	26+	86	89	53	69	10	1	2	5	3	0	21	-	7
PENSACOLA WB CITY	-	-	9.0	31	SW	20	-	-	-	-	0	4	2	1	0	2	9	57	-
TALLAHASSEE WB AIRPORT	S	10	7.6	35++	SW	14	90	92	52	66	4	3	5	3	1	0	16	-	6
TAMPA WB AIRPORT	E	9	10.2	31++	SSE	26	81	84	56	65	3	4	4	2	0	0	13	54	6
WEST PALM BEACH WB AIRPORT	SE	19	9.4	27++	SSE	26	84	82	65	74	4	5	4	2	0	0	15	-	8

City Office Data

DAILY TEMPERATURES

FLORIDA
JUNE 1961

Continued

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
W PALM BEACH RADIO WJNO	MAX	84	85	86	86	85	88	88	84		82		89	88	88	89	91	95	89	84	88	91	90	90	90	89	90	90	88	93	90	
	MIN	74	75	74	71	73	78	75	74	75	74		74	76	79	77	76	74	79	70	78	82	79	80	81		78	74	71	70	72	
W EST PALM BEACH WB AP	MAX	85	86	86	87	86	88	89	84	79	82	93	89	89	88	90	95	93	93	89	88	92	90	90	90	90	89	89	88	90	90	
	MIN	74	69	72	69	70	75	78	74	72	73	75	74	78	79	76	73	74	72	69	74	78	76	74	75	75	76	72	70	70	73	
W INTER HAVEN	MAX	88	90	94	95	93	96	91	94	90	92	95	95	93	93	91	88	92	88	87	89	91	88	90	90	91	92	88	91	94	94	
	MIN	68	61	60	62	64	64	70	68	70	67	71	68	71	71	67	69	71	68	67	68	73	73	71	65	68	68	71	70	66	66	
W OORUFF DAM	MAX	92	90	91	92	93	95	95	95	97	94	94	95	98	94	88	86	89	77	77	78	77	87	91	91	87	88	91	87	89	86	
	MIN	66	65	68	65	69	66	68	67	71	72	73	73	70	73	72	72	67	62	64	66	65	65	67	70	66	70	69	69	71	68	

EVAPORATION AND WIND

Station	Day of month																															Total or Avg.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.30	-	.34	.34	.29	.30	-	.34	.25	.27	.27	.24	.20	.19	.26	.15	.11	.34	.28	.26	.22	.23	.20	.26	.12	.25	.26	.05	.30	.17	
BELLE GLADE EXP STA	EVAP	.27	.22	.22	.25	.25	.24	.18	.29	.09	.08	.18	.23	.12	.25	.21	.34	.36	.07	.21	.20	.16	.29	.11	.16	.12	.10	.08	.15	.11	.24	
CLEWISTON US ENGRS	EVAP	.18	.24	.24	.20	.28	.28	.16	.16	.10	.08	.13	.12	.15	.12	.16	.25	.20	.15	.19	.17	.17	.26	.11	.14	.13	.15	.24	.05	.20	.24	
	MIN	71	72	72	75	76	75	77	75	72	73	74	76	75	76	76	77	77	75	75	72	76	76	76	74	75	75	76	75	75	76	
FT LAUDERDALE EXP STA	EVAP	.14	.14	.25	.22	.23	.24	.23	.14	.09	.07	.03	.18	.19	.23	.14	.34	.22	.22	.22	.31	.14	.37	.21	.19	.26	.29	.23	.27	.22	.14	
	WIND	6	50	26	30	18	27	24	19	19	43	20	10	21	32	27	30	21	21	20	15	35	55	15	22	26	42	38	25	8	4	
GAINESVILLE 3 WSW	EVAP	.27	.33	.38	.25	.29	.31	.31	.21	.25	.30	.58	.17	.21	.22	.15	.39	.12	.21	.14	.18	.17	.11	.16	.22	.34	.25	.08	.14	.22	.27	
	MIN	63	63	65	66	68	70	70	71	67	70	73	69	72	71	70	74	70	64	63	68	70	70	71	70	71	70	70	69	69	71	
HIALEAH	EVAP	.27	.37	.20	.12	.37	.25	.26	.36	-	*	*	.24	.25	.28	.28	.20	.18	.18	.30	.22	.26	.30	.28	.17	.26	.29	.32	-	.11	.18	
	WIND	92	80	68	26	57	60	65	62	78	28	50	17	49	66	44	46	26	26	21	29	58	73	29	43	53	61	65	26	22	52	
LISBON	EVAP	.27	.27	.26	.28	.28	.31	.31	.29	.11	.20	.21	.16	.29	.20	.22	.18	.23	.22	.16	.19	.13	.09	.13	.16	.25	.21	.14	.11	.22	.34	
	WIND	35	20	25	25	25	35	40	30	15	25	25	20	20	20	30	30	45	40	15	45	60	25	15	25	30	30	25	15	15	15	
MOORE HAVEN LOCK 1	EVAP	.33	.30	.30	.33	.27	.31	.25	.18	.16	.17	.24	.25	.22	.18	.30	.27	.27	.25	.27	.24	.23	.34	.14	.23	.21	-	.23	.11	.15	.23	
	WIND	86	57	42	25	26	41	31	13	21	54	60	36	22	20	28	32	27	19	31	29	39	79	19	29	21	24	15	24	19	12	
OKEECHOBEE HRCN GATE 6	EVAP	.38	.31	.31	.30	.35	.30	.31	.24	.33	.13	.25	.31	.30	.24	.35	.34	.29	.20	.32	.29	.26	.37	.21	.21	.46	.27	.26	.18	.25	.30	
TAMIAMI TRL 40 MI BEND	EVAP	.22	.18	.18	.22	.11	.34	.22	.26	*	*	.27	.14	.18	.26	.15	.18	.13	.24	.19	.25	.23	.22	.14	.25	.19	.13	.19	.16	*	.15	
	MIN	69	71	69	72	70	71	74	74	70	76	75	77	75	75	76	75	73	76	74	77	75	76	73	75	86	83	76	73	70	74	
VERO BEACH FAA AIRPORT	EVAP	.36	.30	.26	.28	.32	.31	.25	.13	.25	.18	.43	.18	.15	.27	.21	.24	.36	.26	.21	.22	.16	.25	.28	.15	.19	.20	.13	.12	.24	.19	
	WIND	53	14	55	34	31	28	30	31	28	38	42	33	26	27	23	27	105	99	51	50	109	59	30	48	39	32	26	33	44	54	

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hurricane Gate 6 - Evaporation values determined by means of non-standard steel ruler device

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1960 - 1961

FLORIDA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
ROYAL PALM RANGER STA	0	0	0	0	0	68	84	43	16	5	0	0	216	
SAINT AUGUSTINE	0	0	0	0	27	395	355	165	54	47	0	0	1043	
SAINT LEO	0	0	0	0	14	269	255	104	25	8	0	0	675	
SAINT MARKS 6 SE	0	0	0	8	88	478	467	206	93	71	2	0	1413	
ST PETERSBURG	0	0	0	0	5	209	197	69	25	3	0	0	508	
SANBORN TOWER	0	0	0	11	98	461	475	206	98	106	5	0	1460	
SANFORD EXP STATION	0	0	0	0	14	277	242	118	31	11	0	0	693	
SARASOTA	0	0	0	0	8	265	220	87	28	15	0	0	623	
SHADY OAKS FISH CAMP	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH MIAMI 5 W	0	0	0	0	0	72	86	39	11		0	0		
TAPKE	0	0	0	0	47	407	410		48	53	1	0		
TINHATCHEL 2	0	0	0	0	66	439	473	241	99	117	5	0		
TUART 1 N	0	0	0	0	1	116	125	77	18	3	0	0	340	
TALLAHASSEE WB AP	0	0	0	15	130	493	525	219	92	119	6	0	1599	1519
TAMPA TRL 40 MI BEND	0	0	0	0	0	69	66	23	12	3	0	0	173	
TAMPA WB AIRPORT	0	0	0	0	16	240	231	92	22	15	0	0	616	674
TARPON SPGS SEWAGE PL	0	0	0	0	5	297	269	128	45	33	0	0	777	
TAVERNIER	0	0	0	0	0	30	52	16	6	0	0	0	104	
TITUSVILLE 2 W	0	0	0	0	10	236	227	115	36	11	0	0	635	
USHER TOWER	0	0	0	1	50	418	418	185	73	80	0	0	1225	
VENICE	0	0	0	0	4	195	181	72	21	7	0	0	480	
VERO BEACH FAA AIRPORT	0	0	0	0	8	167	162	89	28	10	0	0	464	
WAUCHULA 2 N	0	0	0	0	0	0	0	69	18	10	0	0		
WEST PALM BEACH	0	0	0	0	0	0	0	0	0	0	0	0		
W PALM BEACH RADIO WJMO	0	0	0	0	0	0	0	0	16	2	0	0		
WEST PALM BEACH WB AP	0	0	0	0	0	85	99	47	17	1	0	0	249	248
WEWAHITCHKA	0	0	0	10	89	431	478			26				
WINTER HAVEN	0	0	0	0	1	199	224	85	25	14	0	0	548	
WOODRUFF DAM	0	0	0	16	131	559	592	258	103	104	3	0	1766	

DAILY SOIL TEMPERATURES

FLORIDA
JUNE 1961

Station And Depth	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GAINESVILLE 3 WSW																																
1 INCH	MAX MIN	103 76	105 76	106 76	104 77	101 79	101 79	100 78	98 80	98 76	100 79	106 82	98 74	100 80	98 80	92 79	94 80	93 81	85 77	98 80	84 76	80 75	90 76	93 76	96 78	98 79	88 79	84 78	97 78	96 78	97 76	96.1 77.9
4 INCHES	MAX MIN	91 77	92 78	91 78	91 79	92 80	91 81	91 80	90 80	89 78	91 80	94 82	92 75	90 81	88 80	85 79	87 80	86 80	82 78	90 80	82 77	78 76	83 76	86 77	88 78	90 80	88 80	82 78	88 79	89 79	89 78	88.2 78.8
8 INCHES	MAX MIN	86 80	87 81	87 81	87 82	88 83	89 83	88 82	86 83	87 80	88 82	89 84	87 78	87 84	86 82	85 82	86 82	85 82	82 80	86 82	81 79	80 78	82 78	84 79	86 80	87 82	87 82	82 80	86 82	87 81	87 80	85.9 81.1

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

CLIMATOLOGICAL DATA

FLORIDA
DELAYED DATA

Station	Temperatures										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	H Height	Date	Lowest	Date	Degree Days	No of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										with Ice		Total							Total	Max Depth on Ground	Date	10 or More	50 or More	10 or More
										Max	Min	37° or Below	32° or Below	30° or Below										
JANUARY 1961																								
LA BELLE	73.1	47.8	60.5			85	26	28	22	161	0	0	1	0	3.16	1.69	1.18	14	.0	0	3	3	2	
FEBRUARY 1961																								
INOIAN LAKE ESTATES	75.3	52.4	63.9			87	19	40	12+		0	0	0	0	1.67		1.00	8	.0	0	3	1	1	
LAKE CITY 2 E	74.3	47.2	60.8	3.0		88	21	31	4	176	0	0	1	0	3.45	.06	1.20	3	.0	0	6	4	1	
APRIL 1961																								
CRESTVIEW RADIO WJSB	76.1	51.2	73.7			87	25	34	16	104	0	0	0	0	5.54		2.05	12	.0	0				
STARKE	73.5	48.9	64.2			89	25	37	5	53	0	0	0	0	3.33		2.00	16	.0	0	4	2	1	
MAY 1961																								
ARCADIA	89.2	61.9	75.6	- 1.4		95	18	56	12+		0	20	0	0	4.07	.96	1.70	26	.0	0				
OCALA 2 NE	88.9M	61.8	75.4M			94	21+	51	28		0	17	0	0	2.02		.73	10	.0	0	4	2	0	

DAILY PRECIPITATION

FLORIDA
DELAYED DATA

Station	Day of month																															Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
JANUARY 1961																																	
BAY LAKE	.26							.54				.25	.41	.01						.15											.06	.04	1.72
CARTVILLE	.42						.40				T	1.05								.17			.20	.40	.90				.40		3.94		
HART LAKE	.08							.29	.03			.71	.91							.02									.10	.01	2.12		
HILLSBOROUGH RVR ST PK								.05				.09	.43						.12							.01		.08	.05	.63			
ISLAND GROVE 2 NW	.85							.20					.29							.16	T		.09	.05	.05	.01	T	.95	.02	2.96			
LA BELLE	.02							1.10	.72			.01	1.16							.04									.09	3.16			
LAKE TRAFFORD								1.25	.80				.49	.40															1.04	3.95			
OKEECHOBEE 9 W								.49	.46			.40	.90																	2.22			
FEBRUARY 1961																																	
INDIAN LAKE ESTATE			.40					1.00															.07	.20						1.97			
LAKE CITY 2 E			1.20	T			.90	.02												.05		.10	.55	.13	.50					3.45			
APRIL 1961																																	
CRESTVIEW RADIO WJSB			.10		*	*		1.19			2.05			1.90													.40			5.54			
STARKE			.08			.35	.35	.01		.54				2.00																3.33			
MAY 1961																																	
ARCADIA		.49			.03			*	1.33																	1.70	.27	.25	4.07				
CORNWELL 4 NW	2.00	.10							1.90													1.59	T	.91	T	.20	.10		T	T	9.90		
OCALA 2 NE	.06	.41						.71	.73																T	.11				2.02			
OKEECHOBEE 9 W	.30	T			1.00				.36				.10													.55	.60	1.00	.20	T	.76	4.99	

DAILY TEMPERATURES

Station	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JANUARY 1961																																
LA BELLE	MAX 78	74	71	63	70	72	82	82	68	77	76	73	70	78	77	74	68	68	70	59	70	64	71	80	78	85	78	66	76	75	75	73.1
	MIN 62	55	43	39	43	49	53	54	55	51	53	61	60	63	51	48	44	38	35	44	36	28	33	40	47	53	61	44	51	46	47	47.8
FEBRUARY 1961																																
INDIAN LAKE ESTATE	MAX 73	71	70	62	68	70	72	67	65	60	64	71	75	76	77	81	82	87	85	86	86	84	86	78	70	80	85				75.3	
	MIN 47	55	55	47	50	42	62	55	52	44	40	40	44	47	48	51	53	59	59	66	64	64	65	62	55	45	44	55			52.4	
LAKE CITY 2 E	MAX 71	70	64	61	66	61	68	65	57	62	68	75	78	79	80	81	84	81	85	88	85	85	88	78	78	77	86				74.3	
	MIN 36	40	41	31	33	42	52	49	37	36	34	39	45	40	42	54	51	58	59	65	62	66	59	60	59	38	42	52			47.2	
APRIL 1961																																
CRESTVIEW RADIO WJSB	MAX 77	76	75	68	76	70	70	72	75	67	70	69	70	83	75	68	73	78	79	79	76	78	81	82	87	81	83	82	83	81	76.1	
	MIN 62	49	40	45	44	42	43	39	44	44	60	48	49	61	49	34	49	39	47	51	51	49	61	50	58	65	88	64	61	59	51.2	
STARKE	MAX 75	76	78	71	78	80	75	77	78	75	76	72	81	80	85	76	80	80	77	75	78	82	85	88	89	87	87	82	82	81	79.5	
	MIN 54	46	48	46	37	49	49	44	54	55	45	48	49	42	51	50	48	50	44	46	48	45	47	53	54	58	59	52	49	48	48.9	
MAY 1961																																
ARCADIA	MAX 86	85	86	90	91	90	89	90	81	81	81	86	91	90	90	91	93	95	92	93	92	92	90	90	91	88	87	88	90	90	89.2	
	MIN 61	64	63	58	62	64	61	63	60	62	56	56	80	63	58	59	62	65	63	61	84	58	58	63	64	68	67	64	69	62	81.9	
OCALA 2 NE	MAX 78		87	91	92	91	92	92	88	79	80	85	88	88	89	92	93	92	92	94	94	92	91	87	92	89	79	84	90	93	88.9	
	MIN 66	61	63	58	64	60	60	62	64	61	54	57	56	59	57	62	58	87	63	69	71	69	68	60	64	71	84	51	65	58	81.8	

EVAPORATION AND WIND

Station	Day of month																															Total Avg.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JANUARY 1961																																
BAY LAKE	EVAP .11	.13	.13	.15	.10	.10	.10	.11	.04	.13	.11	.15	.13	.09	.18	.13	.17	.12	-	.13	.22	.24	.13	.13	.17	.11	.12	.17	.06	.03	.16	83.98

CORRECTIONS

FLORIDA

MONTH: SEPTEMBER 1960

Climatological Data Table:
Bradenton Exp Station

Average minimum temperature should be 72.5; average temperature, 81.0; departure from long-term average, + 0.8.

Daily Temperature Table:
Bradenton Exp Station

Minimum temperature on the 11th should be 79; average minimum temperature, 72.5.

MONTH: DECEMBER 1960

Temperature and Precipitation Extremes Table:

Greatest total precipitation should be 4.96 inches at Monticello 2 S.

Climatological Data Table:
Milton Exp Station

Total precipitation should be 4.09; No. days .10 or more, 6; No. days .50 or more, 2. Northwest Division average should be 2.93; departure from long-term average, -1.23.

Daily Precipitation Table:
Milton Exp Station

Precipitation on the 23rd should be 0; 24th, .02; 25th, 0; 26th, .06; monthly total, 4.09.

MONTH: MARCH 1961

Climatological Data Table:
Devils Garden Tower

Total precipitation should be 1.47; greatest day, .98 on the 14th; No. of days with precipitation .10 or more, 3; .50 or more, 1; 1.00 or more, 0. Everglades and SW Coast Division precipitation average 1.63; departure from long-term average, -0.81.

Lake City 2

Total precipitation should be 0.76; departure from long-term average, -2.89; No. of days with precipitation .10 or more, 2; .50 or more, 1. North Division precipitation average 1.69; departure from long-term average, -1.98.

Daily Precipitation Table:
De Soto City 4 SW

Amount on the 30th should be 0; monthly total, 3.28.

Devils Garden Tower

Amount on the 30th should be 0; monthly total, 1.47.

Lake City 2

Amount on the 30th should be 0; monthly total, 0.76.

MONTH: APRIL 1961

Climatological Data Table:
Devils Garden Tower

Total precipitation should be 2.68; greatest day, 1.75 on the 1st; No. of days .10 or more, 2; .50 or more, 2; 1.00 or more, 1; average precipitation in Everglades and SW Coast Division should be 1.51; departure from long-term average, -1.49.

Daily Precipitation Table:
Devils Garden Tower

Precipitation on the 1st should be 1.75; monthly total, 2.68.

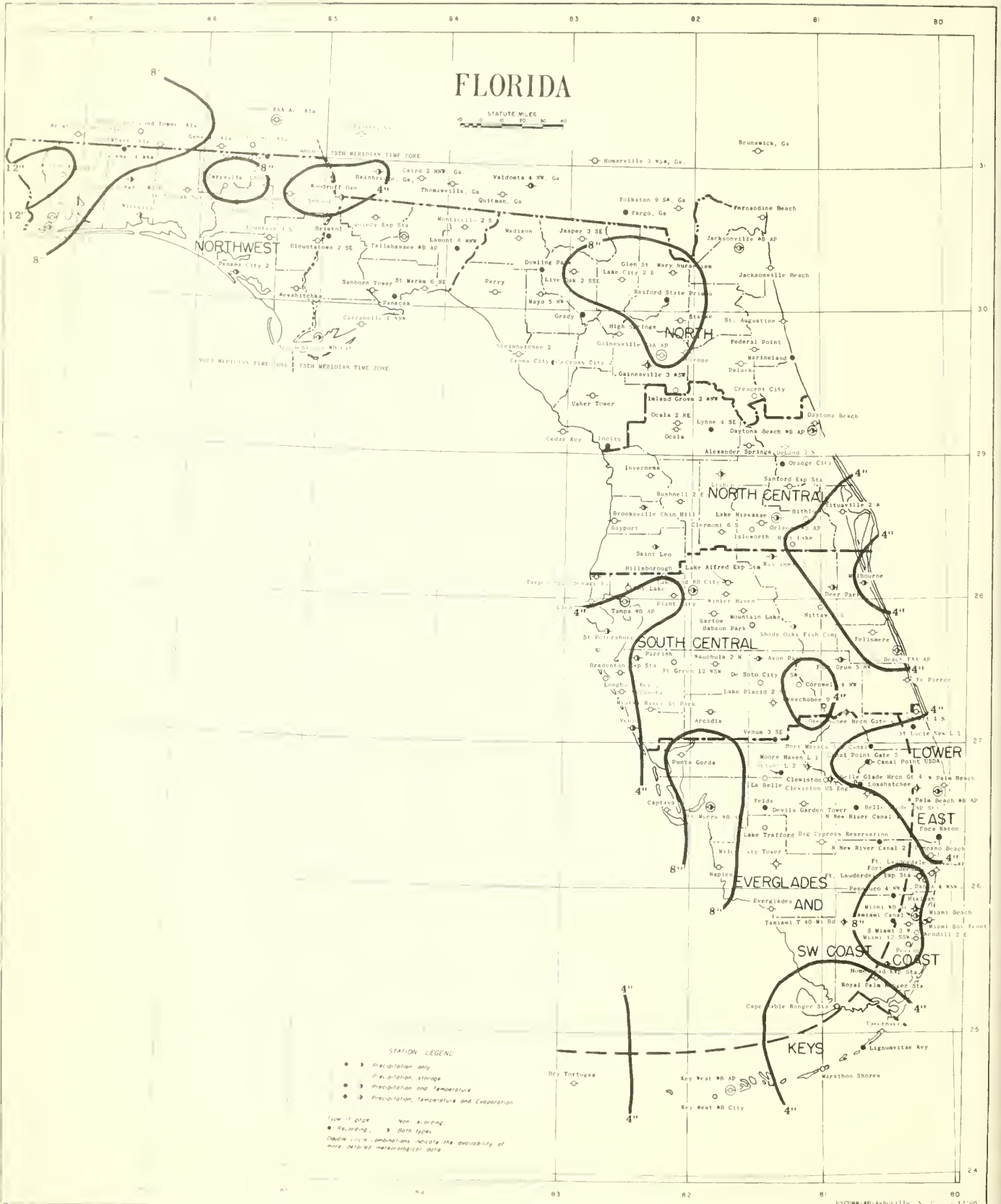
MONTH: MAY 1961

Daily Precipitation Table:
Clewiston

Precipitation on the 13th should be 0; 14th, 0; 20th, 0.

TOTAL PRECIPITATION

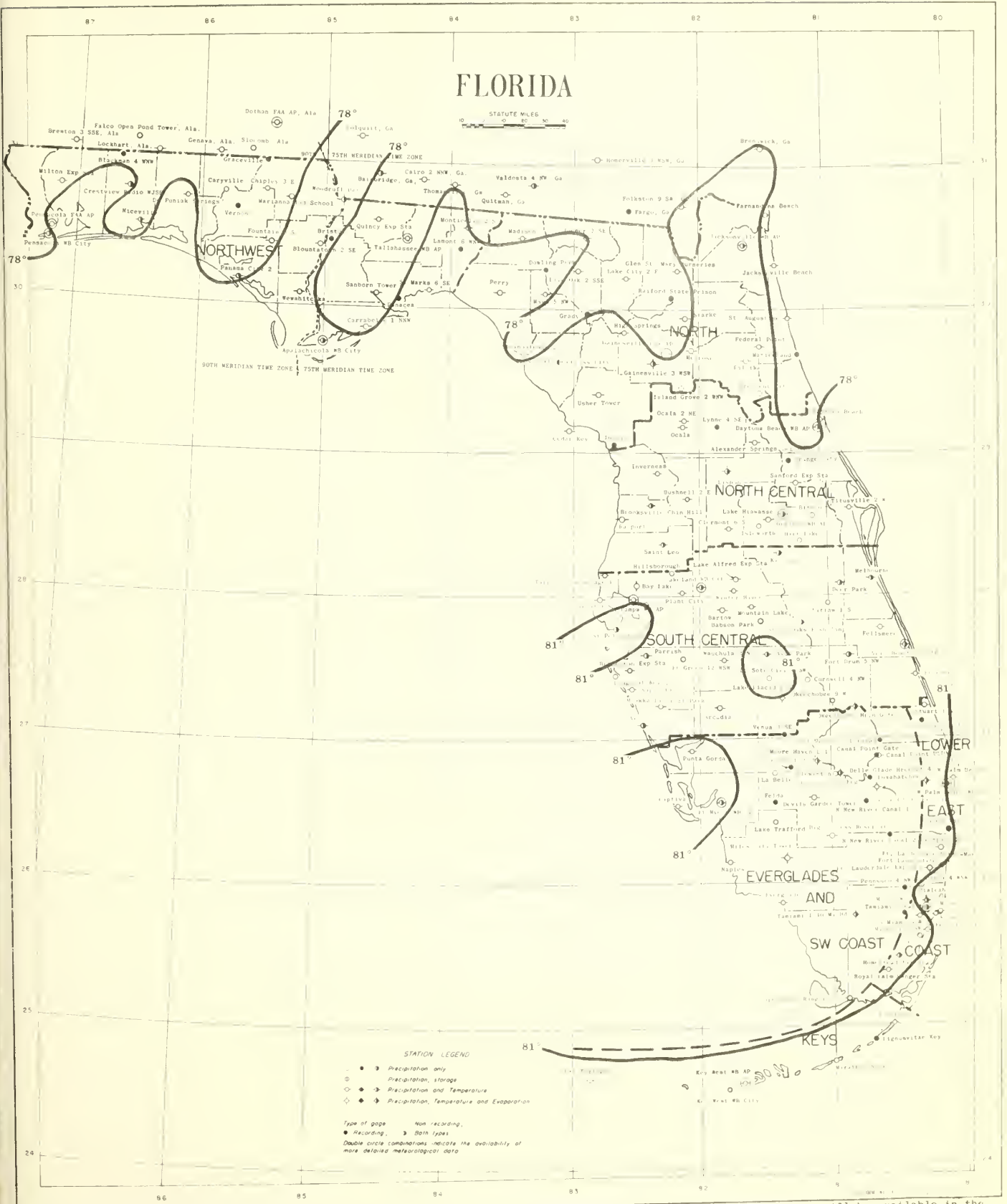
FLORIDA
JUNE 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
JUNE 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

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+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 8/4/61 --- 900



C 20 11/6: 65/7

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



JULY 1961

Volume 65 No. 7



ASHEVILLE: 1961

FLORIDA - JULY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 103° on the 31st at Avon Park and Palatka

Lowest Temperature: 62° on the 2+ at 3 stations

Greatest Total Precipitation: 11.96 inches at Milton Exp Station

Least Total Precipitation: 0.12 inch at Dania 4 WNW

Greatest One-Day Precipitation: 6.07 inches on the 31st at Milton
Exp Station

DAILY PRECIPITATION

FLORIDA
JULY 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ST PETERSBURG	8.61	.16	.03	.08	.61				.01	.23	.26	.27	.01	1.53			.18	.63	1.72	1.03				.02	1.38	.29	.06			.11			
SANBORN TOWER	2.67			.24	.60	.22			T	T	.32		.34	.04			.08	.14	.04	.05	.08	.90					T						
SANFORD EXP STATION	3.72	.06		1.43	.04	.01	.46	.25	.02			.29	1.05	.05			.23	.01	.53	1.14	.69		.20	.29		.68	.33	.07				.00	
SARASOTA	6.80		.36	.08		.46						.18	T	.06	T	.42	.08	.24	.04							.05	.06						
SOUTH MIAMI 5 W	1.54		.40	T		T	.01																										
STARKE	5.88				.12		.10	.28	.58	.79		.50					.28		1.33	.26	.90	.03			.10	.39	.22						
STEINHATCHEE 2	3.62									.17								.08	.50	.24				1.93									
STUART 1 N	1.13			.01			.10		.16									.30	.53		.03												
TALLAHASSEE WB AP	6.48		.10	.12	.06	.39	.15	.01	.65	.03	T	.01	T	T	T	.47		.50	.39		.39		.01	T	1.74	T	.02	.10	1.73				
TAMiami TRL 40 MI BENO	6.10	.52	.08	.50		.88	.01		.18			.10		.06				.44	.44	.02		.07				2.54	.24	.02					
TAMPA WB AIRPORT	7.69		.01	.17	T	T			T	T	.47	T		.02	.01	.05	1.10	.01	.04	2.18	.52		T	.63	.65	.42	.53	.46	.14				
TARPOON SPGS SE WAGE PL	7.11		.90	.30					.30	.10		.18	.32	.06	.13			.25	.78	2.95		.22			.02	.12	.25	.16			.32		
TAVERNIER	1.71										.50	.10		.20	.30									.60	.15		.30	.11	.12	.13			
USHER TOWER	9.25						.50		.20	.50	.10								3.00	2.00	.30								.20	.20			
VERO BEACH FAA AIRPORT	1.69			.12	.02				.98	.30	T							.03	.05	.19	T												
W PALM BEACH RADIO WJNO	2.20						.09				1.20							.08	.45	.02					.23	.11	.02						
WEST PALM BEACH WB AP R	1.22	T		.11		.05		.06		.01	.46							.03	.38	.06			T		T	T	.07						
WINTER HAVEN	3.44			.04				.06		.04	.24	.86	.04	.02				.03	1.00	.54			.62										
WOODRUFF OAM	3.78			.11			1.01	.17	T	.04	.05	.28	.34	.46			.25	.05				.01		.91						.01	.09		

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	.01-.09	.10-.49	50-99	1.00-1.99	2.00 and over			Total
APALACHICOLA WB CITY	-	-	5.6	25	E	18	-	-	-	-	4	4	1	1	1	11	65	5.3	
DAYTONA BEACH WB AIRPORT	SE	16	7.5	24++	WNW	8	89	89	69	78	6	3	4	1	1	1	16	-	6.1
FORT MYERS WB AIRPORT	-	-	6.3	29++	NE	1	81	80	55	70	4	4	8	2	5	0	23	-	6.9
JACKSONVILLE WB AIRPORT	SW	18	9.2	41	W	8	86	89	55	72	3	5	4	3	0	15	59	6.2	
KEY WEST WB AIRPORT	ESE	50	10.6	31	SE	17	74	74	63	70	7	3	3	0	0	13	74	6.4	
LAKELAND WB CITY	-	-	5.4	-	-	-	-	-	-	-	6	5	5	1	1	0	18	68	6.6
MIAMI WB AIRPORT	ESE	28	9.1	21++	WNW	26+	79	80	60	71	9	3	6	0	0	18	67	6.6	
ORLANDO WB AIRPORT	SE	16	7.1	46++	SE	26	88	90	51	71	6	3	7	1	1	2	20	-	6.1
PENSACOLA WB CITY	-	-	7.8	28	W	21	-	-	-	-	1	2	7	4	0	14	68	-	6.5
TALLAHASSEE WB AIRPORT	S	10	6.8	35++	SSW	27	93	94	58	75	6	6	7	2	2	0	23	-	6.5
TAMPA WB AIRPORT	ESE	12	9.2	35++	NE	23	83	85	58	71	6	6	6	4	1	1	24	58	6.8
WEST PALM BEACH WB AIRPORT	ESE	25	8.8	23++	SSE	11	83	82	60	71	5	5	3	0	0	13	-	6.3	

⊘ City Office Data

DAILY TEMPERATURES

Continued

Day Of Month

Station

Table with 32 columns for days of the month and rows for various weather stations including Fort Pierce, Gainesville 3 SW, Gainesville FAA AP, Glen St Mary Nurseries, Hialeah, High Springs, Homestead Exp Sta, Inverness, Jacksonville WB AP, Jacksonville Beach, Jasper 3 SE, Key West WB Airport, Kissimmee 2, La Belle, Lake Alfred Exp Sta, Lake City 2 E, Lake Hiawasse, Lakeland WB City, Lake Placid 2 SW, Lisbon, Live Oak 2 ESE, Loxahatchee, Madison, Marathon Shores, Marianna Inv School, Mayo 5 NW, Melbourne, Miami Bayfront Park, Miami Beach, Miami WB Airport, Miami I2 SSW, Miles City Tower, Milton Exp Station, Monticello 2 S, Moore Haven Lock 1, Mountain Lake, and Myakka River St Park. Each row contains maximum and minimum temperature readings for each day, followed by an average temperature for the month.

See Reference Notes Following Station Index

DAILY TEMPERATURES

FLORIDA
JULY 1961

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various Florida locations such as Naples Carib Gardens, Niceville, Ocala, etc., with corresponding temperature data.

See Reference Notes Following Station Index

DAILY TEMPERATURES

FLORIDA
JULY 1961

Continued

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WOODRUFF DAM	MAX	90	91	92	91	89	92	91	95	91	90	87	84	95	96	93	92	89	89	91	90	93	90	93	94	94	96	95	96	96	94	94	92.0
	MIN	69	71	69	69	70	72	72	74	72	70	72	72	72	70	69	72	73	70	70	70	71	72	74	72	73	72	70	70	70	72	73	71.2

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BELLE GLAOC EXP STA	EVAP	.20	.23	.17	.14	.14	.24	.10	.21	.25	.27	.19	.28	.18	.25	.20	.27	.30	.12	.14	.34	.13	.14	.24	.29	.28	.22	.10	.12	.28	.19	.20	6.41
CLEWISTON US ENGRS (a)	EVAP	.23	.20	.18	.22	.08	.22	.03	.22	.15	.28	.21	.17	.21	.22	.17	.12	.27	.16	.03	.18	.20	.12	.16	.20	.05	.32	.11	.03	.18	.26	.32	5.50
	MAX	92	94	96	96	96	90	87	92	94	96	96	91	96	92	96	93	97	85	88	90	90	92	95	95	94	94	87	91	93	94	95	92.8
	MIN	75	77	79	78	76	74	76	73	72	78	77	75	74	76	77	72	76	75	75	75	74	75	79	80	79	79	77	76	79	79	78	76.3
FT LAUDERDALE EXP STA	EVAP	.16	.21	.19	.10	.21	.23	.18	.33	.14	.11	.27	.29	.29	.26	.33	.28	.24	.17	.15	.25	.25	.26	.29	.34	.31	.37	.20	.29	.28	.13	.30	7.41
	WIND	14	14	21	7	35	12	38	23	11	18	7	41	36	43	41	30	27	43	25	29	30	46	26	39	59	24	31	21	24	45	869	
GAINESVILLE 3 WSW	EVAP	-	.23	.21	.21	.25	.19	.22	.17	.21	.19	.11	.24	.20	.23	.23	.24	.21	.16	-	.09	.41	*	*	.88	.22	.29	.29	.24	.25	.26	.36	B7.26
	WIND	20	15	15	15	20	20	25	35	25	10	20	20	15	25	10	15	20	20	25	40	20	15	5	10	10	20	30	10	10	20	30	590
	MAX	97	98	97	97	97	97	97	94	94	90	95	96	100	99	103	98	103	95	81	83	96	101	103	104	105	103	100	98	101	101	101	97.5
	MIN	70	73	74	69	71	70	73	71	73	73	71	71	73	74	72	75	73	72	70	70	72	70	68	75	74	70	69	73	74	73	73	71.9
HIALEAH	EVAP	.20	.21	.16	.09	.23	.25	.11	.09	.36	*	.05	.15	-	-	-	-	-	-	-	-	-	.24	.28	.38	.43	.18	.18	.18	.21	.19	.29	-
	WIND	5	45	34	16	31	57	50	48	27	20	34	52	64	51	48	56	25	105	40	32	46	40	32	90	67	33	34	26	36	24	32	1300
MOORE HAVEN LOCK 1	EVAP	.23	.29	.26	.18	.22	.27	.12	.22	.29	.30	.28	.23	.25	.21	.23	.30	.29	.18	.13	.17	.17	.26	.26	.32	.31	.26	.18	.17	.27	.23	.31	7.39
	WIND	17	16	28	20	17	27	6	19	20	20	30	20	28	20	21	22	25	37	17	20	21	18	16	35	36	29	15	12	18	15	19	664
OKEECHOBEE HRCN GATE 6	EVAP	.32	.31	.37	.24	.30	.33	.20	.28	.38	.21	.30	.28	.34	.35	.25	.37	.39	.23	.23	.24	.18	.30	.29	.23	.34	.29	.21	.15	.36	.28	.31	8.86
TAMIAMI TRL 40 MI BENO	EVAP	.15	.16	.16	.10	*	.26	.16	.29	.05	*	*	.61	.24	.13	.27	.23	*	*	.45	.04	.14	.22	.23	-	-	.24	.14	.21	.14	.25	.18	B5.40
	WIND	14	30	10	9	*	30	14	10	7	*	*	86	49	24	36	45	34	33	34	12	23	31	43	*	101	11	15	28	20	25	14	788
	MAX	90	94	95	100	-	93	99	96	101	-	-	97	98	98	96	97	95	95	96	93	94	96	97	-	96	96	94	94	91	101	102	96.1
	MIN	76	76	76	73	-	75	73	77	76	-	-	76	76	78	77	77	75	74	74	77	73	76	76	-	78	73	72	78	78	76	77	75.7
VERO BEACH FAA AIRPORT	EVAP	.27	.24	.19	.21	.19	.20	.19	.23	.29	-	.17	.20	*	.44	.33	.21	.25	.31	.13	.30	.13	.18	.30	.33	.35	.28	.25	.27	.30	.26	.29	B7.53
	WIND	41	24	33	35	41	29	35	35	43	43	94	48	43	39	42	26	31	29	52	54	52	17	36	30	39	38	42	33	22	29	39	1194

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hrcn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA AP - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

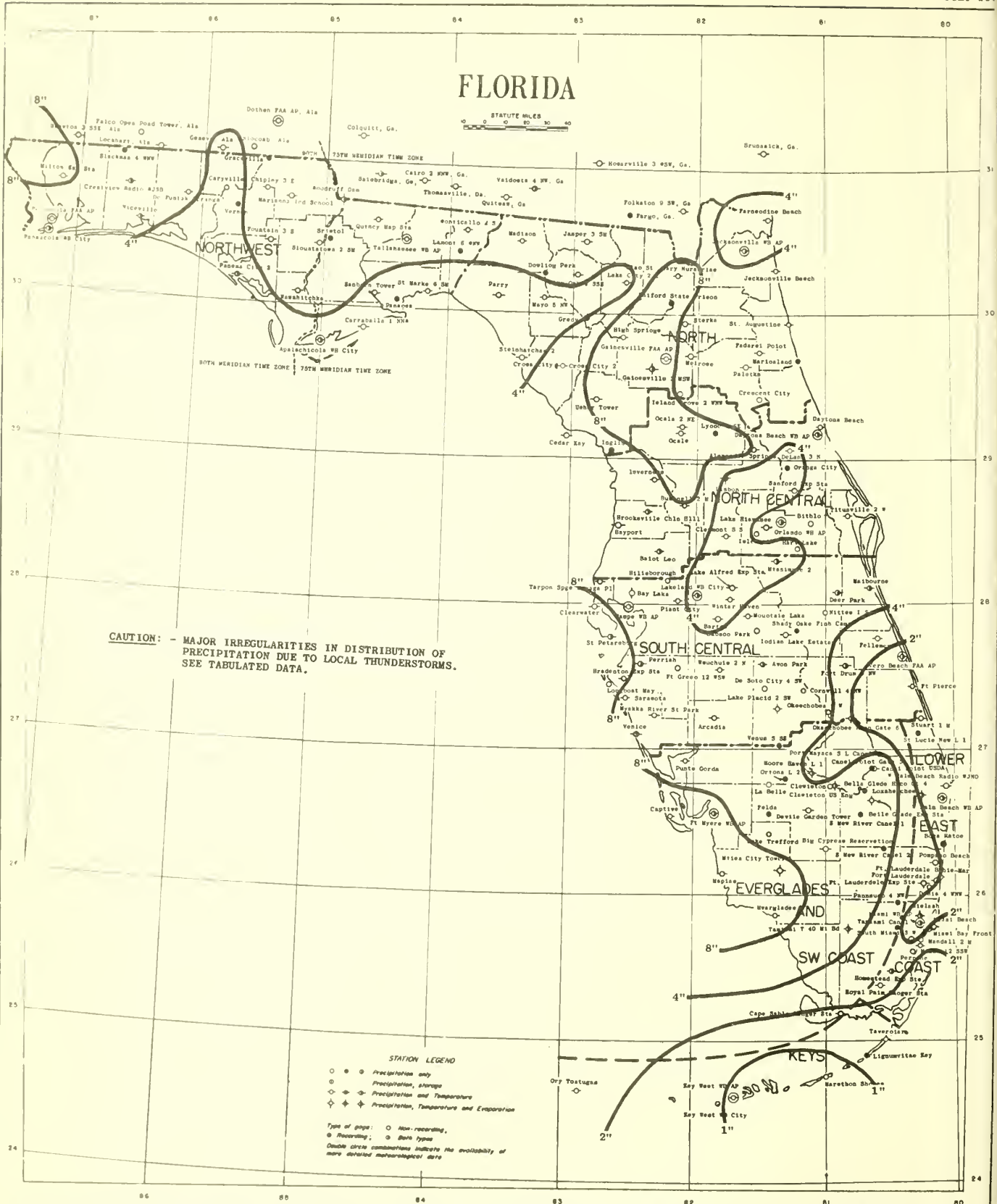
FLORIDA
JULY 1961

Station And Depth	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GAINESVILLE 3 WSW																																	
1 INCH	MAX	98	98	89	96	96	98	90	93	91	92	95	96	98	96	99	96	99	94	88	86	96	96	98	97	96	96	96	95	96	98	98	95.2
	MIN	79	81	79	78	80	78	80	80	80	80	78	79	80	81	81	82	82	80	78	79	80	80	80	82	82	81	82	82	82	83	83	80.4
4 INCHES	MAX	89	90	86	88	88	90	86	88	85	86	87	88	90	90	92	90	92	89	84	82	88	88	90	92	91	91	91	90	92	92	88.9	
	MIN	80	81	79	79	80	80	81	80	80	80	78	80	80	81	81	82	82	80	79	78	79	79	80	82	82	82	82	82	83	84	84	80.6
8 INCHES	MAX	87	88	85	86	86	88	86	86	84	84	86	86	88	88	89	88	89	87	83	82	86	86	88	89	89	90	90	89	90	90	87.2	
	MIN	82	83	81	81	82	82	84	83	82	82	80	82	82	84	83	85	85	82	81	80	81	81	82	84	84	84	84	85	86	86	82.9	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

FLORIDA
JULY 1961



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Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 8/31/61 --- 900



U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



AUGUST 1961

Volume 65 No. 8



FLORIDA - AUGUST 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 103° on the 1st at Kissimmee 2

Lowest Temperature: 59° on the 21st at Starke

Greatest Total Precipitation: 16.19 inches at Inverness

Least Total Precipitation: 2.29 inches at Miami Beach

Greatest One-Day Precipitation: 5.70 inches on the 25th at Bayport

CLIMATOLOGICAL DATA

FLORIDA
AUGUST 196

CONTINUED

Station	Temperature													Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow/Sleet			No. of Days				
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
										90° or Above	33° or Above	32° or Below	0° or Below												
FORT PIERCE KISSIMMEE 2	89.5 92.5	73.4 71.4	81.5 82.0	-.6 .1	94 103	5+ 1	68 65	22 6	0 0	15 28	0 0	0 0	0 0	5.19 4.82	-.81 -1.80	2.62 1.30	22 24	.0 .0	0 0				6 8	2 5	2 1
LAKE ALFREDO EXP STA LAKELAND W8 CITY LAKE PLACIDIO 2 SW MELBOURNE MOUNTAIN LAKE	92.1 90.8 92.9 90.1 90.8	71.5 72.5 71.1 73.3 72.6	81.8 81.7 82.0 81.7 81.7	-.3 .0	96 98 98 97 96	8+ 1 2+ 1 1	68 67 67 70 68	23+ 1 2 27+ 2	0 0 0 0 0	26 24 30 20 23	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	7.77 9.05 8.30 5.79 9.93	.84 1.92 1.93 1.75 2.38	1.63 2.73 1.93 1.75 3.34	30 15 22 19 16	.0 .0 .0 .0 .0	0 0 0 0 0				11 15 13 9 13	6 5 5 4 6	3 3 2 2 3
MYAKKA RIVER ST PARK OKEECHOBEE HRCN GATE 6 PARRISH PLANT CITY ST PETERSBURG	91.7M 88.5 93.5 92.2 91.1	71.9 73.8 69.9 71.6 76.1	81.8M 81.2 81.7 81.9 83.6		95 93 98 98 96	2 9 1 1 7	69 23+ 67 21+ 72	21+ 23+ 21+ 2 21+	0 0 0 0 0	25 13 30 25 24	0 0 0 0 0	0 0 0 0 0	6.31 3.34 12.05 6.84 10.81		1.43 .79 2.71 1.85 1.65	17 29 17 14 17	.0 .0 .0 .0 .0	0 0 0 0 0				16 7 13 14 14	3 2 9 4 7	1 0 4 4 3	
SARASOTA TAMPA WB AIRPORT TARPOON SPGS SEWAGE PL VENICE VERO BEACH FAA AIRPORT	91.2 90.9 90.7 91.1 90.5	72.0 74.4 73.5 70.5M 74.5	81.6 82.7 82.1 80.8M 82.5		95 97 97 94 96	14+ 14 8 8 5+	70 71 70 21+ 23+	21+ 21 21 23+ 23+	0 0 0 0 0	26 24 24 27 23	0 0 0 0 0	0 0 0 0 0	7.95 6.22 10.87 5.70 4.89	-.84 -1.84 1.89 1.81 1.65	1.86 1.22 3.55 1.01 1.60	8 17 3 9 28	.0 .0 .0 .0 .0	0 0 0 0 0				10 11 16 13 6	6 4 6 6 4	3 2 3 2 2	
WAUCHULA 2 N WINTER HAVEN	93.2M 93.0	M 71.0	M 82.0		97 99	8+ 1	70 66	21+ 2	0 0	26 26	0 0	0 0	8.20 7.31		1.57 1.24	17 17	.0 .0	0 0				11 14	5 7	3 1	
OIVISION EVERGLADES AND SW COAST			81.9	-.1									7.72	.14			.0	0							
BELLE GLADE EXP STA BIG CYPRESS RESERVATN CANAL POINT USOA CAPE SABLE RANGER STA CAPTIVA	90.5 91.2M 90.9 89.6 89.9M	70.3 70.6M 71.0 75.6 76.3M	80.4 80.9M 81.0 82.6 83.1M	-.2	94 95 94 91 93	3+ 7+ 6 24+ 7	68 68 67 18+ 31+	15+ 15+ 2 18+ 31+	0 0 0 0 0	20 0 24 21 17	0 0 0 0 0	0 0 0 0 0	7.68 4.39 10.79 2.84 3.43	-.84	2.64 1.93 2.04 .89 1.38	15 8 15 22 9	.0 .0 .0 .0 .0	0 0 0 0 0				8 4 16 10 6	4 3 7 2 2	3 2 5 0 1	
CLEWISTON U S ENG DEVILS GARDEN TOWER EVERGLADES FORT MYERS W8 AP LA BELLE	91.6 91.0 91.9 93.2	72.6 74.3 75.7 69.4	82.1 M 83.8 81.3		96 94 95 96	6+ 7 7 7+	70 6 73 65	3+ 6 22+ 3	0 0 0 0	27 0 29 30	0 0 0 0	0 0 0 0	7.25 6.08 13.41 5.14		1.55 1.17 3.14 .93	18 1 27 11	.0 .0 .0 .0	0 0 0 0				15 14 16 12	5 3 9 4	2 2 3 0	
MILES CITY TOWER MOORE HAVEN LOCK 1 NAPLES CARIB GARDENS PUNTA GORDA TAMIAMI TRL 40 MI BENO	92.7 91.6 92.1 92.0 92.9	70.5 71.9 72.1 73.6 72.3	81.6 81.8 82.1 82.8 82.6		96 95 95 95 97	7 3+ 6 13+ 18+	65 61 67 71 70	8 2 16 4+ 23+	0 0 0 0 0	29 27 30 27 29	0 0 0 0 0	0 0 0 0 0	6.38 4.73 4.28 6.81 9.37		1.29 .86 1.07 1.55 2.80	25 2 10 20 11	.0 .0 .0 .0 .0	0 0 0 0 0				13 11 12 12 13	5 4 1 3 6	2 0 1 1 4	
OIVISION LOWER EAST COAST			82.1	-.1									6.61	-.83			.0	0							
FORT LAUDERDALE FT LAUDERDALE BANJA MAR FT LAUDERDALE EXP STA HIALEAH HOMESTEAD EXP STA	89.5 89.3 91.5 90.8 91.1	75.7 75.1 70.0 73.6 71.5	82.6 82.2 80.8 82.2 81.3	.0	92 92 95 93 93	4+ 7+ 4 17 28+	71 69 67 69 68	22+ 21 24+ 18 6+	0 0 0 0 0	15 12 28 27 27	0 0 0 0 0	0 0 0 0 0	5.99 6.45 12.39 5.09 6.01	-.75	1.55 1.80 2.10 1.31 2.04	22 21 23 22 20	.0 .0 .0 .0 .0	0 0 0 0 0				9 10 14 8 13	4 4 8 4 2	3 2 5 2 2	
LOXAHATCHEE MIAMI BAYFRONT PARK MIAMI BEACH MIAMI WB AIRPORT MIAMI 12 SSW	94.1 88.4 87.5 90.1 90.4	70.3 77.8 78.9 76.7 74.1	82.2 83.1 83.2 83.4 82.3		98 90 89 93 93	14+ 14+ 16+ 5 5	66 70 75 71 17+	2 18 22+ 17 19+	0 0 0 0 0	27 4 0 18 25	0 0 0 0 0	0 0 0 0 0	5.22 5.97 2.29 4.68 4.34		1.05 1.43 .71 1.40 1.02	19 29 29 17 29	.0 .0 .0 .0 .0	0 0 0 0 0				10 8 7 9 13	4 4 1 2 2	1 3 0 2 2	
POMPANO BEACH ROYAL PALM RANGER STA SOUTH MIAMI 5 W STUART 1 N W PALM BEACH RADIO WJNO	89.8 91.2 90.9 89.5 90.3	72.5 69.4 72.3 74.4 76.3	81.2 80.3 81.6 82.0 83.3		92 94 94 96 93	13+ 1 2+ 1 2	69 67 69 71 72	22+ 18+ 22+ 25+ 18	0 0 0 0 0	24 26 25 15 24	0 0 0 0 0	0 0 0 0 0	7.77 7.58 6.03 6.32 5.48		2.90 2.03 1.27 1.34 1.38	28 2 29 28 16	.0 .0 .0 .0 .0	0 0 0 0 0				10 12 12 12 8	4 4 5 4 5	3 4 1 2 2	
WEST PALM BEACH WB AP OIVISION KEYS	90.5	74.9	82.7	.5	94	20+	70	18	0	26	0	0	6.39	-1.01	1.54	16	.0	0							
OIVISION			82.2	.3									6.13	-.52			.0	0							
KEYS																									
ORY TORTUGAS KEY WEST WB AIRPORT MARATHON SHORES TAVERNIER	90.8 90.1 90.4 89.1	79.5 79.6 78.3 78.6	85.2 84.9 84.4 83.9		94 93 93 90	28 20 3+ 28+	74 74 72 74	13 21 10 22+	0 0 0 0	30 22 25 7	0 0 0 0	0 0 0 0	2.55 2.97 2.70 2.91		.74 .67 .65 1.05	26 28 16 16	.0 .0 .0 .0	0 0 0 0				8 7 9 8	2 3 1 2	0 0 0 1	
OIVISION			84.6	.8									2.78	-1.91			.0	0							

See Reference Notes Following Station Index

DAILY PRECIPITATION

FLORIDA
AUGUST 196

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ROYAL PALM RANGER STA	7.58		2.03	T	.33																													
SAINT AUGUSTINE	5.42							.72	.53	.02		T	T																					
SAINT LEO	6.42		.12			.35			.04																									
SAINT MARKS 6 SE	7.74																																	
ST PETERSBURG	10.81		T		.04																													
SANBORN TOWER	12.07				.30	1.46	.58			.10	T	.12	1.04			.86	.20																	
SANFORD EXP STATION	6.75	.09	.36		.05					.18	.02	T					.01	.06	.36	.41	.41		.20	.07		.12	.04	1.14	.80	.40				
SAPASOTA	7.95		.04			.05				1.86	.86	1.35	.84						.36	.41	.41		.20	.07		.12	.04	1.14	.80	.40				
SOUTH MIAMI 5 W	6.03			T			.43			.18	.02	T							.36	.41	.41		.20	.07		.12	.04	1.14	.80	.40				
STARKE	11.81		1.20			.07		.06																										
STEINMACHEE 2	11.06		.53			1.43				.54	.15																							
STUART 1 N	6.32				.32					.12	.07						.42	.01	.59	.36	.06		.52	.46	.07	1.16	.35	.24		.85	.19		1.34	
TALLAHASSEE WB AP	10.07			.55	T	.92	.46			.29	.10				.27		.06	T					.06	T		.01		.52	.07	.70	.36		1.47	
TAMIAH TRL 40 MI BEND	9.37		.44	.02		.39				.15	.04	.14		2.80			.20					1.10							.83	.24	.16	1.28	.06	.40
TAMPA WB AIRPORT	6.22		T	.04						.96	.09	.06	T	.13			.12	.02	.22	.46	1.22	T				T	.80		.45	.04	.13	.09	.02	.01
TARPON SPGS SEWAGE PL	10.87		.02	3.55	.21	.42				.71	.10	.20	.28					.50	.10			.97	2.08						.15	.05	1.12	.10	.19	.12
TAVERNIER	2.91																																	
TITUSVILLE 2 W	8.42		1.14				.08			.30	.20	.30	.10				.15	.05	.32	.16				.33										
USHER TOWER	14.55		.30		1.95	.20				.30	.20	.30	.10				.30	.40	.15	1.00		.30	2.10			.20		.25	.30					
VENICE	5.70		.10	.09						.15	1.01	1.00	.11			.05	.15	.52				.70	.60											
VERO BEACH FAA AIRPORT	4.89			T	.01																													
WAUCHULA 2 N	8.20		.43							.06	.31						.36	.04																
W PALM BEACH RADIO WJNO	5.48				.30			.04			.39																							
WEST PALM BEACH WB AP R	6.39		T		.38						.70																							
WEWAHITCHKA	12.59		.75	.78		.50				1.24	1.00		.90	.10			.20	.30	1.09	1.54	.41	.69	.13		T	.82	.08	T	.13		.66	.40	.02	
WINTER HAVEN	7.31		.63	.11						.12	.27					.04																		
WOODRUFF DAM	9.22			.26	.33	.21	.41			.41	T	.13				.65																		

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
APALACHICOLA WB CITY	-	-	6.9	27	S	31	-	-	-	-	2	4	9	5	1	1	22	51	7.0	
DAYTONA BEACH WB AIRPORT	E	14	7.8	32++	SW	26	86	87	65	78	2	6	5	2	0	2	17	-	7.4	
FORT MYERS WB AIRPORT	-	-	6.4	31++	SW	1	82	82	58	74	4	3	7	6	1	2	23	-	6.7	
JACKSONVILLE WB AIRPORT	SW	12	9.9	40	W	13	90	93	64	78	6	3	5	3	3	1	21	47	7.4	
KEY WEST WB AIRPORT	ESE	26	8.4	33	S	15	75	76	63	70	7	4	4	3	0	0	18	74	5.5	
LAKELAND WB CITY	-	-	5.8	-	-	-	-	-	-	-	4	2	10	2	2	1	21	58	7.2	
MIAMI WB AIRPORT	ESE	17	7.7	22++	WNW	21	82	84	62	73	8	6	7	0	2	0	23	63	6.6	
ORLANDO WB AIRPORT	ESE	13	7.5	23++	E	16+	91	93	57	76	6	4	7	3	1	1	22	-	6.6	
PENSACOLA WB CITY	-	-	8.4	25	NE	3	-	-	-	-	3	5	5	1	3	2	19	64	-	
TALLAHASSEE WB AIRPORT	ENE	14	8.1	40++	WSW	5	93	95	73	78	4	4	7	4	1	1	21	-	7.6	
TAMPA WB AIRPORT	E	12	9.6	38++	ESE	9	86	90	61	74	8	8	7	2	2	0	27	57	7.2	
WEST PALM BEACH WB AIRPORT	ESE	20	8.4	23++	N	16+	85	87	62	75	6	2	5	3	2	0	18	-	7.0	
Ø City Office Data																				

DAILY TEMPERATURES

FLORIDA
AUGUST 19

Continued

Table with columns for Station, Day Of Month (1-31), and temperature values (MAX, MIN) for each day. Stations include FORT MYERS, FORT PIERCE, FOUNTAIN, GAINESVILLE, GLEN ST MARY, HIALEAH, HIGH SPRINGS, HOMESTEAD, INVERNESS, JACKSONVILLE, JASPER, KEY WEST, KISSIMMEE, LA BELLE, LAKE ALFREDO, LAKE CITY, LAKE MIWASSE, LAKELAND, LAKE PLACID, LISBON, LIVE OAK, LOXAHATCHEE, MADISON, MARATHON SHORES, MARIANNA, MAYO, MELBOURNE, MELROSE, MIAMI BAYFRONT, MIAMI BEACH, MIAMI AIRPORT, MIAMI 12, MILL CITY, MILTON, MONTICELL, and MOORE HAVEN.

See Reference Notes Following Station Index

DAILY SOIL TEMPERATURES

FLORIDA
AUGUST 1961

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GAINESVILLE 3 WSW																																	
1 INCH	MAX	98	93	93	95	94	92	93	97	96	96	96	98	96	94	92	94	94	90	82	90	90	90	89	92	92	93	94	94	92	92	90	92.9
	MIN	83	82	80	82	82	82	80	82	82	82	80	82	82	83	80	82	82	81	82	76	76	76	79	80	81	80	82	82	82	80	79	80.8
4 INCHES	MAX	92	89	88	90	89	87	90	91	91	88	90	91	92	89	88	88	88	86	80	84	84	86	86	87	86	88	89	88	86	88	88.0	
	MIN	84	83	80	82	82	82	80	82	82	82	80	82	82	80	82	82	81	81	76	76	76	78	79	80	80	81	81	82	81	80	80.7	
8 INCHES	MAX	90	88	87	88	88	87	88	89	89	87	88	89	90	88	87	87	87	85	82	83	83	84	85	86	86	86	87	86	86	86	86.7	
	MIN	86	86	82	84	84	84	83	84	85	82	84	84	85	83	84	84	83	83	78	78	78	80	81	82	82	83	83	83	84	82	82.8	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

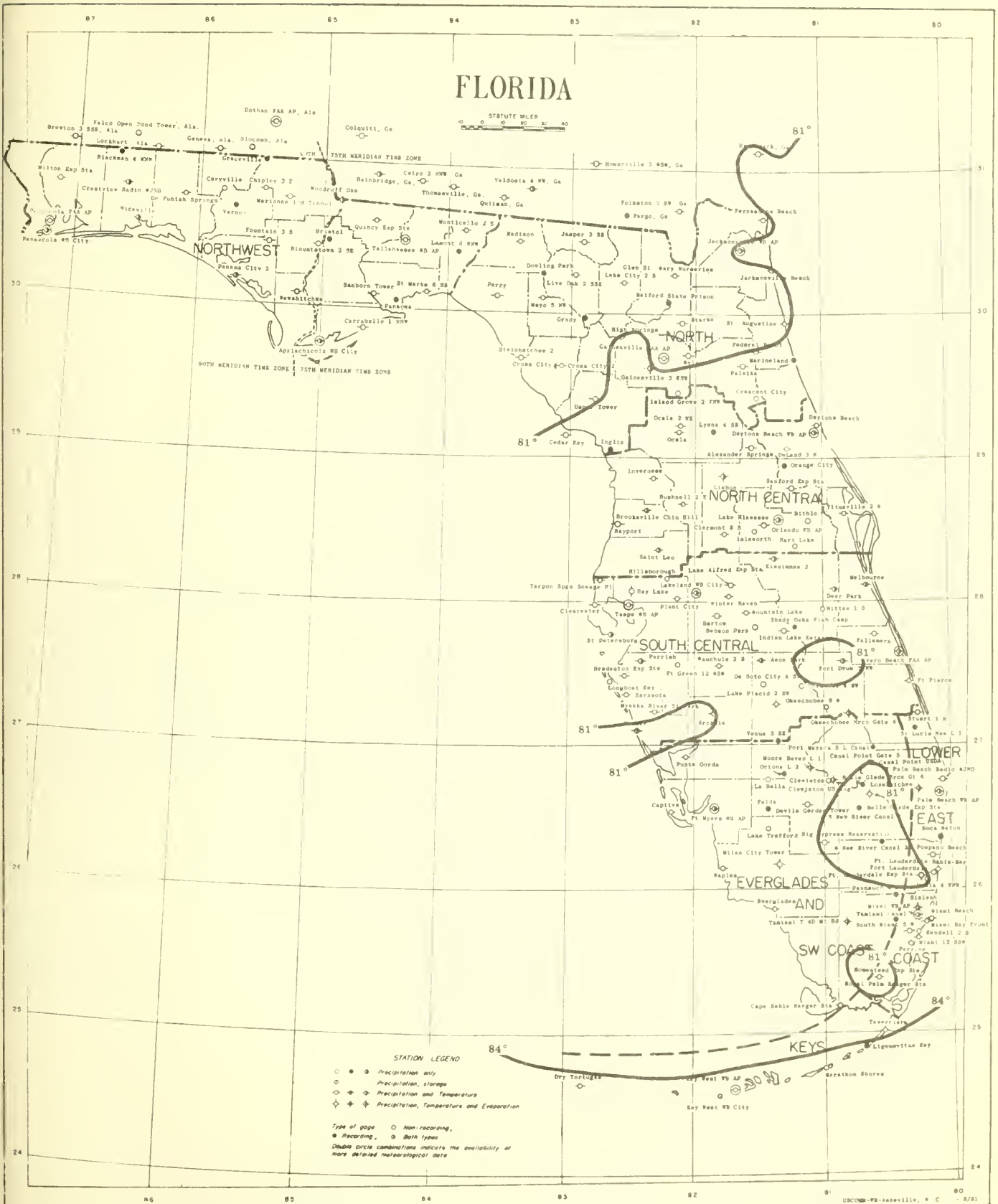
FLORIDA
AUGUST 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
AUGUST 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground; Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., EST of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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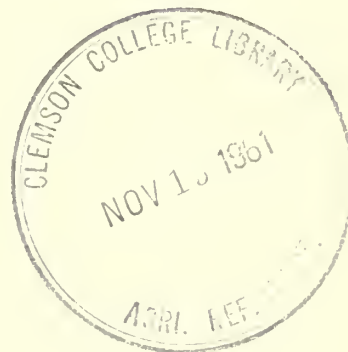
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



SEPTEMBER 1961

Volume 65

No. 9



FLORIDA - SEPTEMBER 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 98° on the 25+ at 3 stations

Lowest Temperature: 51° on the 16th at De Funiak Springs

Greatest Total Precipitation: 13.00 inches at Bithlo

Least Total Precipitation: 0.22 inch at Marathon Shores

Greatest One-Day Precipitation: 11.38 inches on the 17th at Bithlo

DAILY PRECIPITATION

FLORIDA SEPTEMBER 1961

Table with columns for Station, Total, and Day of Month (1-31). Rows list various stations such as ALEXANDER SPRINGS, APALACHICOLA WB CITY, and many others, with corresponding precipitation values and symbols (T for trace).

See reference notes following Station Index

DAILY PRECIPITATION

FLORIDA
SEPTEMBER 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ROYAL PALM RANGER STA	3.70		.52		.02	T					.09	.06	.07		.51	.10	1.03	.70	.50	T												.10	
SAINT AUGUSTINE	3.48		.15		.06	.01	.01	.11	.10	.01		.04	.32		.67	1.93		.01	.01													.05	
SAINT LEO	3.99		.67	.10			.42	.34	.50			.16	.30		1.40		.10																
SAINT MARKS 6 SE	3.81		.23		.04	1.25	T	.85	.55	T	.18	T		.13	.13												.30	.15				.05	
ST PETERSBURG	5.82	1.45	.22	.16	.06	.04	.11		.31	.41	.11	1.15	.69		.01	.52	.48	.03															
SANBORN TOWER	1.89				.96	.16	T		.14	.16	.12		T	.08	.23												.04						
SANFORD EXP STATION	2.65						T	T	.24	T	.02	.01		.10	.01	.02	1.82	.55														T	.05
SARASOTA	3.94	.15	.65	.60			.07	.06	.83			.10	.30		1.10	.01	.02																.05
SOUTH MIAMI 5 W	3.40	T	.16				T	T				.29		.97	.02	1.41				.12		T								.04	.11		
STEINHATCHEE 2	2.13				.71								.62														.60						
STUART 1 N	2.39	.02				.02	.01		.01	.01	.07	.04		.05	1.48	.01	.08	.45														.15	
TALLAHASSEE WB AP	3.00	T				.35	.75		.51	T		.14	.18		.60																		
TAMPA TRL 40 MI BEND	4.76	.07	.14	.20	.30					.08		.11		.23			2.54	.04								.19	.05				.61	.43	
TAMPA WB AIRPORT	2.43	.02			.01	.04			.50	.59	.06	T	.91		.04																		
TARPON SPGS SEWAGE PL	4.87	1.20	1.11	.10	.10	.22	.06		.75	.29	.70		.10		.05		.05	.02														.10	.05
TAVERNIER	2.20				.08						.20				.10	1.66	.13																.03
TITUSVILLE 2 W	7.70									.06					.23	2.16																	.25
USHER TOWER	2.15					.20	.15	.10		.15			.30	.20	.30	.20															.20	.35	
VENICE	1.72	.02	.41	.10	.03	.25	.05	.34			.14			.20	.08	.05																.05	
VERO BEACH FAA AIRPORT	3.01		.04						.08		T		.02	.11	.32	.70	.39	.23	.02											.70	.02	.38	
WAUCHULA 2 N	1.19	.15			.04			.76		.02	.18					.04																	
W PALM BEACH RADIO WJNO	-		.03		.01	T		.13	.04	.10	.02						.02	T	T		.06	.01	T									.06	
WEST PALM BEACH WB AP R	3.01	T	T	T			.03	.21	.02		.21	.02		T	1.12	.43				.20	.27					.02						.06	
WINTER HAVEN	1.22	.03	.15	.50		.16		.11	.03						.09																		.46
WOORUFF DAM	2.37	.06	.45		.04	1.16		.13		.05	.12	.19		.16	.01	.15																	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
APALACHICOLA WB CITY	-	-	-	34	NE	5	-	-	-	-	1	3	3	0	0	0	7	77	5.1
DAYTONA BEACH WB AIRPORT	E	13	8.5	27++	NE	16	87	90	66	79	9	3	1	2	1	0	16	-	6.5
FORT MYERS WB AIRPORT	-	-	7.6	21++	N	15	84	87	55	70	6	2	3	2	1	0	14	-	5.7
JACKSONVILLE WB AIRPORT	NE	13	10.5	35	NE	17	88	92	57	73	6	6	5	0	0	0	17	55	6.2
KEY WEST WB AIRPORT	ESE	25	9.8	49	SE	7	76	78	66	72	5	4	5	1	0	0	15	58	6.0
LAKELAND WB CITY	-	-	6.6	-	-	-	-	-	-	-	3	8	4	0	0	0	15	67	5.5
MIAMI WB AIRPORT	E	14	8.7	30++	ESE	1	81	86	58	70	5	2	6	1	1	0	15	78	5.7
ORLANDO WB AIRPORT	ENE	19	7.9	18	ENE	30+	91	94	56	72	11	2	2	0	0	1	16	-	5.9
PENSACOLA WB CITY	-	-	9.9	25	E	9	-	-	-	-	3	4	2	2	0	2	13	63	-
TALLAHASSEE WB AIRPORT	E	18	8.2	35++	E	10	92	95	58	74	4	1	4	3	0	0	12	-	5.7
TAMPA WB AIRPORT	NNE	19	10.0	31++	E	8	86	91	55	72	4	6	1	3	0	0	14	57	6.1
WEST PALM BEACH WB AIRPORT	ENE	20	8.8	27++	NE	18	83	87	60	74	8	4	4	1	1	0	18	-	6.2

City Office Data

DAILY TEMPERATURES

FLORIDA
SEPTEMBER 1961

Continued

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
# ALBUQUERQUE 2 N	MAX	92				92	92	92	92			91	89	92	93	90				89	99	93	93	89		91	92	91	92	91				
	MIN	69				69	69	73	70			71	71	70	70	71				70	69	71	71	66		67	62	65	66	68				
# PALM BEACH RADIO #JNC	MAX	90	89	90	90	89	89	90	89	90	90	89	88	90	91	90				88	88	89	88	92	89	88	88	89	87	87	89			
	MIN	80	79	78	80	79	74	81	78	72	74	79	80	73	75	73		71	69	79	74	74	75	80	77	77	74	72	73	79	77	74		
# WEST PALM BEACH #B AP	MAX	91	91	91	90	90	90	90	89	90	88	89	90	93	95	93				90	87	87	90	90	89	90	89	89	89	88	89			
	MIN	77	80	80	76	75	75	79	76	78	74	74	74	72	74	69				71	68	73	73	74	75	75	74	72	72	73	74	73	72	
# INTER HAVEN	MAX	93	92	92	93	93	91	92	88	92	92	93	93	92	93	89				90	82	86	88	93	93	94	91	92	93	95	95			
	MIN	69	73	73	74	69	70	74	74	70	73	74	71	69	69	71				69	68	69	68	73	72	69	65	69	70	64	65	68	69	71
# WOODRUFF DAM	MAX	85	91	93	93	94	94	88	90	91	89	88	88	86	89	88				77	79	80	81	79	85	90	90	92	94	93	92	90	91	87
	MIN	72	74	74	72	72	70	71	73	74	73	72	74	70	72	71				57	56	55	52	55	65	68	69	69	70	70	68	63	67	68

EVAPORATION AND WIND

Station		Day of month																															Total or Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.22	.26	.23	.19	.23	.19	.22	.24	.21	.16	.29	.19	.21	.23	.14	.09	.26	.09	.16	.16	.19	.12	.20	.23	.21	.22	.19	.24	.21	.22	5.91	
BELLE GLADE EXP STA	EVAP	.25	.23	.18	.23	.26	.24	.15	.22	.12	.20	.11	.15	.26	.23	.32	.11	.19	.21	.20	.20	.21	.12	.20	.22	.17	.15	.10	.16	.14	.18	5.71	
CLEWISTON US ENGRS (a)	EVAP	.14	.10	.17	.16	.16	.13	.17	.22	.25	.18	.15	.14	.12	.17	.21	.14	.19	.23	.18	.15	.13	.13	.18	.14	.25	.23	.19	.20	.15	.23	5.19	
	MIN	.77	.76	.77	.77	.77	.77	.77	.77	.77	.76	.76	.77	.77	.77	.79	.79	.75	.75	.75	.75	.75	.78	.78	.77	.70	.77	.76	.76	.77	.76	.76	76.4
FT LAUDERDALE EXP STA	EVAP	.25	.31	.19	.21	.33	.20	.27	.20	.19	.19	.25	.21	.23	.31	.18	.10	.21	.18	.21	.15	.16	.28	.18	.25	.22	.25	.27	.21	.19	.10	6.48	
	WIND	.28	.32	.40	.31	.29	.34	.36	.50	.32	.38	.40	.19	.31	.31	.29	.10	.32	.30	.28	.50	.22	.10	.19	.41	.40	.36	.30	.32	.40	.14	934	
GAINESVILLE 3 WSW	EVAP	.19	.29	.21	.21	.17	.16	.17	.23	.13	.20	.18	.17	.12	.16	.16	.12	.19	.23	.11	.11	.22	.19	.17	-	.16	.15	.26	-	-	.40	85.62	
	MAX	.99	.98	.96	.95	.95	.97	.93	.95	.95	1.00	.96	.92	.94	.93	.89	.85	.78	.88	.84	.91	.95	.95	.94	.92	.93	.92	.93	.88	.88	.89	770	
HIALEAH	EVAP	.25	.22	.27	.23	.29	.31	.22	.28	*	.31	.19	.26	.19	.18	.25	-	.26	.19	.19	.14	.20	.28	.19	.22	.34	.23	.18	.22	.25	.08	86.64	
	WIND	.47	.44	.83	.75	.16	.42	.73	.69	*	.89	.32	.37	.42	.21	.29	.19	.20	.31	.43	.18	.27	.29	.54	.46	.54	.40	.46	.35	.59	.38	1258	
LISBON	EVAP	.20	.28	.21	.21	.15	.23	.25	.20	.15	.13	.21	.11	.15	.18	.13	.15	.10	.15	.11	.12	.17	.19	.26	.17	.21	.20	.18	.19	.16	.22	5.37	
	WIND	.25	.35	.25	.15	.5	.20	.30	.35	.20	.15	.15	.5	.15	.10	.20	.10	.45	.30	.20	.5	.5	.10	.10	.20	.10	.10	.10	.15	.15	.35	540	
MOORE HAVEN LOCK 1	EVAP	.26	.23	.21	.23	.29	.30	.17	.21	.15	.15	.26	.22	.28	.26	.28	.22	.11	.25	.26	.16	.13	.21	.28	.29	.25	.26	.26	.23	.28	.28	6.97	
OKEECHOBEE HRCN GATE 6	EVAP	.30	.30	.08	.44	.33	.25	.24	.28	.22	-	.15	.24	.25	.27	.30	.26	.27	.27	.20	.19	.23	.16	.25	.21	.24	.20	.25	.20	.15	.22	87.19	
	MIN	.78	.76	.76	.77	.74	.78	.76	.74	.73	.74	.74	.74	.76	.79	.77	.73	.72	.77	.76	.76	.74	.77	.78	.77	.74	.74	.73	.74	.78	.74	75.4	
VERO BEACH FAA AIRPORT	EVAP	.22	.29	.28	.25	.31	.23	.25	.29	.20	.23	.26	.16	.31	.16	.10	.32	.24	.37	.27	.16	.12	.17	.28	.28	.29	.21	.27	.18	.25	.30	7.25	
WOODRUFF DAM	EVAP	.09	.22	.23	.25	.22	.32	.23	.27	.27	.22	.17	.14	.10	.17	.18	.15	.25	.37	.25	.15	.19	.25	.23	.24	.24	.20	.24	.15	.29	.25	6.53	
	WIND	.50	.49	.34	.35	.29	.70	.73	1.01	1.26	1.35	.85	.59	.45	.31	.63	1.24	1.34	1.43	1.23	.61	.31	.29	.37	.29	.22	.23	.26	.26	.83	.79	1955	

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

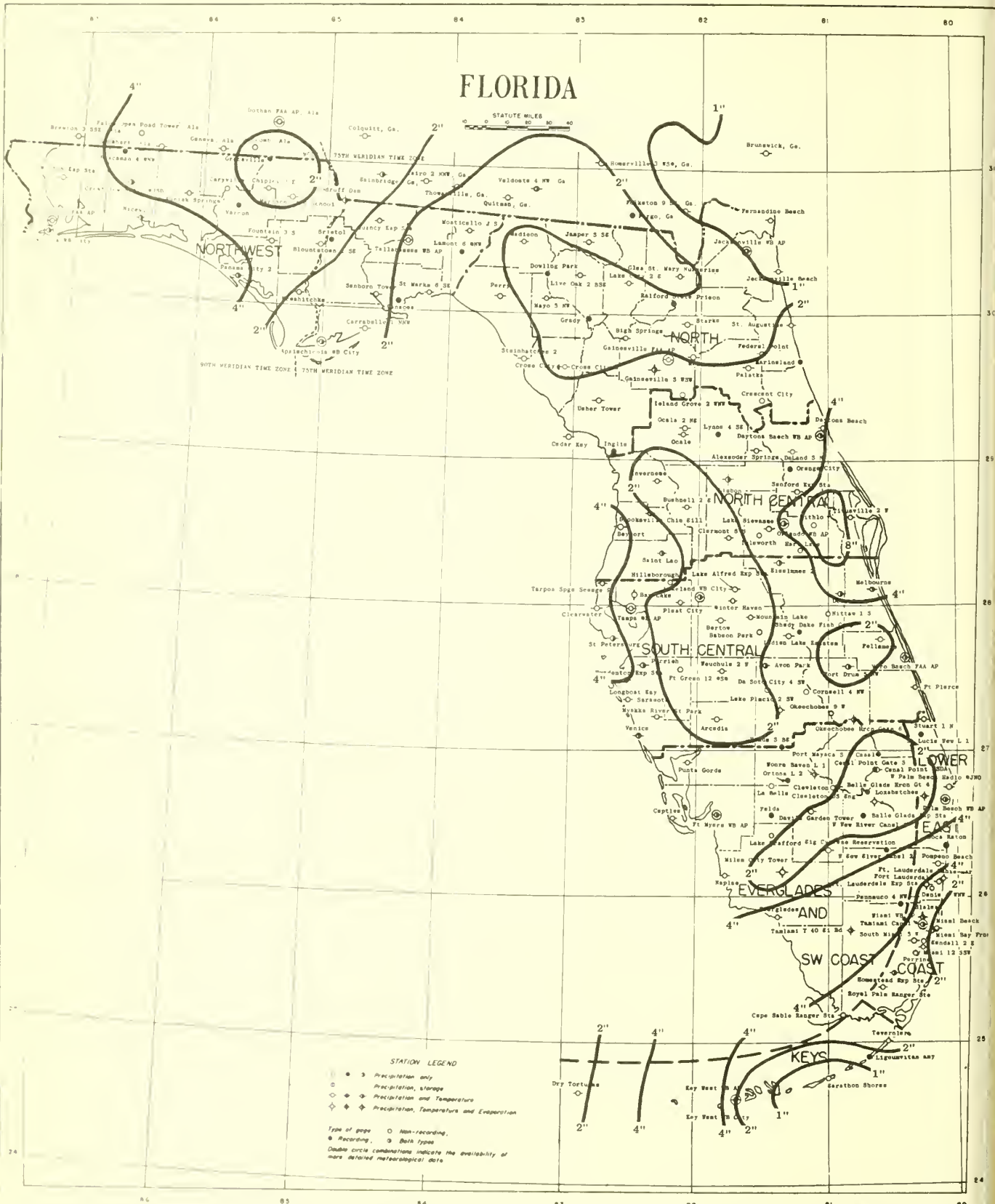
FLORIDA
SEPTEMBER 1961

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GAINESVILLE 3 WSW																																	
1 INCH	MAX	93	92	94	94	92	91	93	90	92	92	89	92	90	88	88	86	84	86	88	90	90	90	90	89	92	88	86	87	84		89.7	
	MIN	80	81	81	81	80	80	80	80	80	79	80	80	79	80	81	79	78	80	80	80	78	78	78	76	78	76	79	76	77	79		79.1
4 INCHES	MAX	88	88	88	88	88	87	88	86	88	89	84	86	86	84	83	82	80	82	84	84	84	86	84	85	86	84	83	82	82		85.2	
	MIN	80	82	81	81	80	80	80	80	80	79	80	80	78	79	80	78	77	78	76	78	77	78	78	77	77	76	78	77	77	80		78.7
8 INCHES	MAX	87	88	87	86	86	86	85	86	85	86	86	84	85	84	84	82	82	80	80	82	84	84	84	83	83	84	83	82	82	82		84.1
	MIN	82	84	84	83	83	82	83	83	83	82	82	82	81	82	82	80	80	79	79	79	79	80	80	80	79	78	80	79	79	80		81.0

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

FLORIDA
SEPTEMBER 196



STATION LEGEND

- 3 Precipitation only
- Precipitation, storage
- ◇ Precipitation and Temperature
- ◆ Precipitation, Temperature and Evaporation

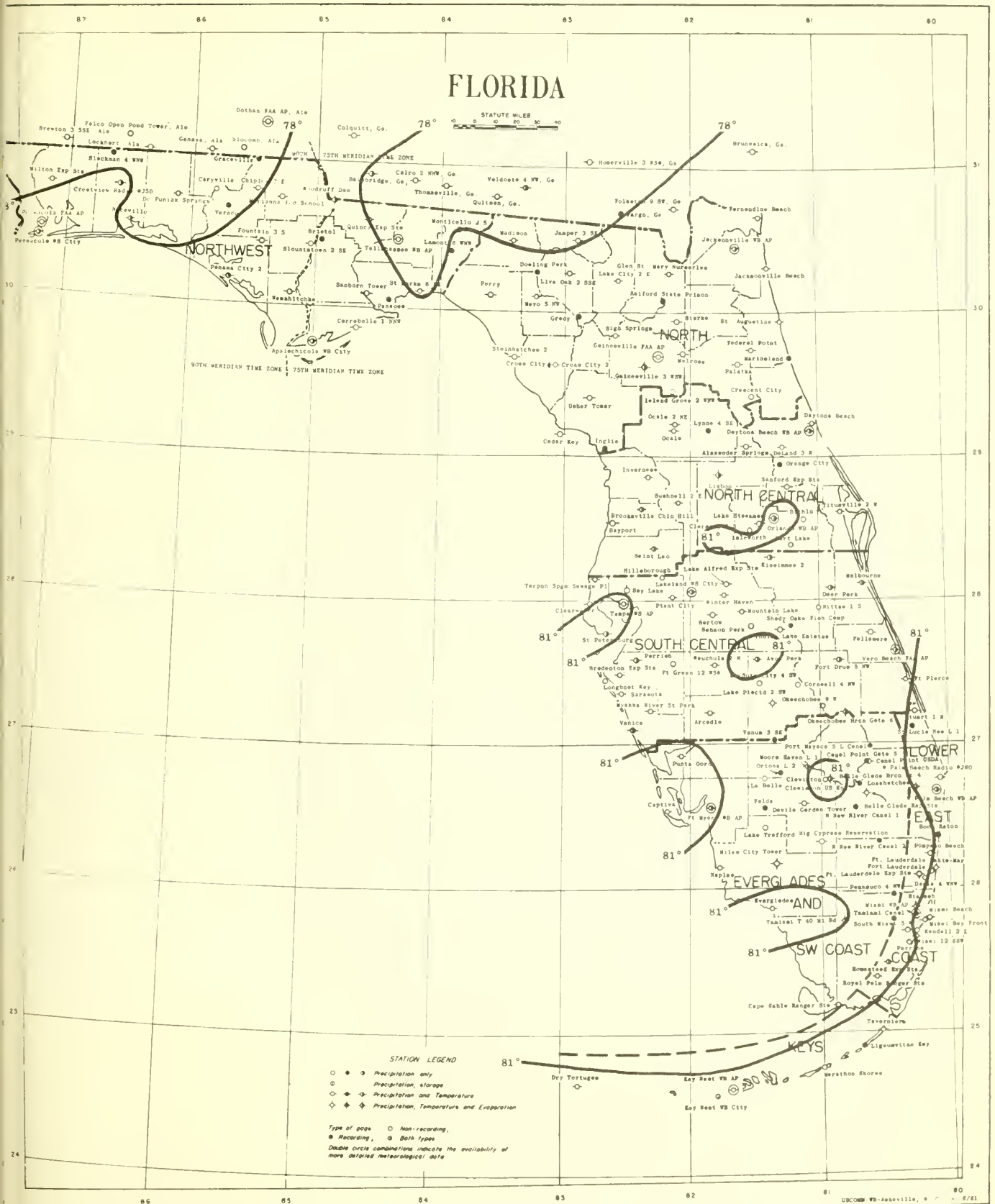
Type of pipe ○ Non-recording,
● Recording, ◇ Data Types
Double circle combinations indicate the availability of more detailed meteorological data

Isoblines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

DC6008-78-Annville, F. C. -- 8/61

AVERAGE TEMPERATURE

FLORIDA
SEPTEMBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



OCTOBER 1961
Volume 65 No. 10



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 13th at Avon Park

Lowest Temperature: 31° on the 16th at Jasper 3 SE

Greatest Total Precipitation: 9.99 inches at Loxahatchee

Least Total Precipitation: 0.00 at 8 stations

Greatest One-Day Precipitation: 3.75 inches on the 18th at Loxahatchee

SPECIAL WEATHER SUMMARY

The abnormally dry weather which began about mid-September in all sections of the state persisted in all areas throughout October. Temperatures, averaged for the month as a whole, ranged from near to slightly below the seasonal averages on the southern peninsula to mostly 2 to 3 degrees below average in the northern and western counties. A mid-month cold snap dropped temperatures into the high 30's in the extreme northern counties and there were reports of scattered light frost in the colder sections of Madison and Suwannee counties on the 16th.

Rainfall distribution over the state during October closely followed the typical October pattern - the least rainfall occurring in the panhandle and western peninsula counties and the largest amounts occurring along the southern half of the east coast. Monthly rainfall totals ranged from generally less than one-quarter inch in the area from about Tallahassee westward to as much as 4 to 6 inches along the immediate east coast from about Vero Beach southward. Many points west of Tallahassee received no rain at all during the month. At the Tallahassee Airport no measurable rain fell from September 15 to November 6, a period of 51 days. This is the longest rainless period ever experienced at Tallahassee since records have been kept. The western peninsula area comprised of Citrus, Hernando, Pasco, Pinellas, Hillsborough, Manatee and Sarasota counties was also particularly dry. Reported rainfall in this area was generally less than one-half inch. On the peninsula north of Marion County and between the Suwannee and St. Johns Rivers, October rainfall totals were mostly between one-half and one inch. Total rainfall increased somewhat from about Ocala southeastward. Rainfall totals in the interior sections of the eastern half peninsula between Ocala and Lake Okeechobee ranged mostly from 1 to 2 inches in the northern sections of the area to 2 to 4 inches south of Orlando. South of Lake Okeechobee, October rainfall varied from generally 1 to 2 inches west and south of the lake to mostly 4 to 6 inches east and south of the lake. Most of the reported rain in the northern, central, and southwestern sections of the state fell in connection with one or more of the 4 cold fronts which moved across Florida during the month. Showers, drifting in from the Atlantic, augmented these frontal rains along the immediate east coast.

The abnormally low October rainfall together with an unusually dry September has made these two months one of the driest such periods ever experienced at many places

in the state. In the central peninsula citrus areas this September and October combination has been nearly as dry or perhaps drier than any similar 2 month period since records began in 1915. On the southern peninsula south of Lake Okeechobee the September-October period of 1925 is the only other similar 2 month period during the 46 years of record with less rainfall. On the northern peninsula records indicate the September-October 1931 period produced about an inch less rainfall than this year. Rainfall records available since 1915 in the western county area indicate the September-October periods for both 1933 and 1940 were somewhat drier than the 2 months just ended.

On the central and southern peninsula the abnormally dry September-October period greatly accentuated the persistent rainfall deficiency that had been experienced in those areas during the preceding spring and summer. Division rainfall totals for the period January through October indicate this year ranks among the driest such periods in the 46 year period beginning in 1915 for which comparable records are available. The table below lists the January through October 1961 and the September through October 1961 division rainfall totals and departures from the 25 year (1931-1955) averages.

The prolonged deficient rainfall throughout the state has left its mark. Dry conditions have been favorable for most harvesting and haymaking activities. Soils in the citrus areas became very dry and considerable irrigation was used where it was available, especially on the western portion of the peninsula. Pastures throughout the state, at the end of October, were reported in only poor to fair condition due to the prolonged dry weather. Planting of winter cover crops and small grains was much delayed due to dry soils; germination and plant growth has been poor in most fields planted in the hope rain would fall soon. The prolonged nearly rainless weather in the western counties and the low rainfall on most of the peninsula contributed greatly to building up a very high forest fire danger in almost all sections. The prolonged rainfall deficiency on the central and southern peninsula contributed greatly to a substantial lowering of water table and lake levels throughout the area.

Keith Butson
Weather Bureau State Climatologist
P. O. Box 3658, University Station
Gainesville, Florida

Division	Sep-Oct 1961 Rainfall (Inches)	Departure from Average (Inches)	Jan-Oct 1961 Rainfall (Inches)	Departure from Average (Inches)
Northwest	3.59	- 4.03	48.06	- 2.35
North	3.09	- 7.65	43.29	- 3.82
North Central	4.73	- 6.56	37.28	-10.95
South Central	4.52	- 6.97	35.72	-12.99
Everglades and Southwest Coast	5.22	- 7.27	38.76	-10.44
Lower East Coast	8.01	- 9.58	38.74	-15.57
Keys	5.09	- 8.75	25.01	-12.92

DAILY PRECIPITATION

FLORIDA
OCTOBER 1961

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
PETERSON	.29	.21										.08																				T	T	
ANBORN TOWER	.11													T	.11																			
ANFORD EXP STATION	.05	T				.12					.13	.42	.30	T	.77																		.22	
ASA CITA	1.80	1.00										.25	.28	.01																		.05	.01	
SOUTH MIAMI 5 W	4.15	.07	.33				T	.38	T	1.11	.07	.53	.11		.06					.09	T					T		.01	.97	.09	.11	.02		
TARCE	.34														.25					.02												.07		
TEINWACHEL 7	1.45													1.30																		.15		
TUART 1 N	.80	.02		.02		.34				T	.46	.14		.03						2.65	.02				.14	.08	T		.02	.85	.03	T		
TALLAHASSEE WB AP	T													T																	.42	.08	.09	
TAMPA TRAIL 40 MI BEND	4.68	1.26				.22	.04	.21			.10	.53		1.46	.03					.24										T	.11		.05	
TAMPA WB AIRP R	.25											.09	.02		.03	T													T		.11		.05	
TARPON SPGS SHAGE PL	.11																																	.05
TAVENNER	3.85	.08		.77		.09				T	.58	.05	T	.06																		.85	.08	.08
TUNNELLE 2 W	1.35			.24		.09				.18	.03	.11	.06	.34					.18		.10	.30	.03							.25	.67	.85	.21	.05
TWINS WATER	.70														.30	.20																	.20	
UNICE	.74	.69										.05																						
VERO BEACH FAA AIRPORT	6.46	.43			.01	2.12			T	.13	.83	.24														T	.52		.07	.20	1.68			
VAUCHULA 2 N	.57													T	.12	.43																.01		.01
WEST PALM BEACH RADIO WJND	6.54	.58	.03	.11	T	.29	T	.04	.06	.96	.59	.53																				.06	1.57	T
WEST PALM BEACH WB AP R	6.52	.18	.06	.27		.32	.08		.01	.77	.50	.04	T	T												T					.89	1.27		
WINTER HAVEN	.85											.05			.60	T															.08	.07	.05	
WOODRUFF DAM	.24			.12																													.12	

SUPPLEMENTAL DATA

Station	Wind direction			Wind speed			Relative humidity averages				Number of days with precipitation						Percent of possible sunshine	Average sky cover	sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over				Total
APALACHICOLA WB CITY	-	-	8.0	26	E	28	-	-	-	-	0	0	1	0	0	0	1	91	2.3	
DAYTONA BEACH WB AIRPORT	NE	22	9.5	23++	ESE	28+	82	85	62	75	4	1	6	2	0	0	13	-	5.1	
FORT MYERS WB AIRPORT	-	-	9.7	23++	ENE	29+	84	86	52	70	2	0	3	0	0	1	6	-	4.3	
JACKSONVILLE WB AIRPORT	NE	20	10.5	33	E	28+	86	91	54	74	3	1	1	0	0	0	5	49	4.4	
KEY WEST WB AIRPORT	ENE	25	12.7	33	SE	28	76	79	66	73	5	4	2	1	1	0	13	67	5.0	
LAKELAND WB CITY	-	-	8.1	-	-	-	-	-	-	-	3	2	2	0	0	0	7	75	4.9	
MIAMI WB AIRPORT	ENE	17	11.2	30++	NE	17	78	84	57	68	9	8	4	0	2	0	23	74	5.2	
ORLANDO WB AIRPORT	N	18	9.1	21++	SE	29+	86	89	51	71	3	5	1	0	0	1	10	-	5.0	
PENSACOLA WB CITY	-	-	10.2	21	NE	15	-	-	-	-	2	0	0	0	0	1	3	77	-	
TALLAHASSEE WB AIRPORT	ENE	18	9.2	30++	NNW	14	81	91	47	64	2	0	0	0	0	0	2	-	2.5	
TAMPA WB AIRPORT	NNE	24	12.5	31++	E	28	82	85	55	69	3	3	1	0	0	0	7	77	4.4	
WEST PALM BEACH WB AIRPORT	ENE	26	11.8	35++	E	29	80	84	60	72	5	4	3	3	1	1	17	-	5.8	

City Office Data

DAILY TEMPERATURES

FLORIDA
OCTOBER 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
#1ST PALM BEACH #8 AP	MAX	89	88	90	88	86	88	86	86	84	86	86	88	90	89	83	81	85	83	87	84	74	82	82	83	83	84	83	80	81	83	84	84.7
	MIN	72	71	70	68	72	70	76	75	70	72	74	73	74	72	72	74	76	74	71	61	53	53	57	63	74	64	73	70	68	74	70	69.5
WINTER HAVEN	MAX	94	93	92	86	92	84	88	90	89	89	88	94	96	90	77	79	83	87	87	85	75	82	86	87	80	87	83	80	84	85	87	86.4
	MIN	67	67	64	64	66	66	66	64	66	66	69	72	72	67	63	56	62	63	67	58	46	45	52	60	59	64	62	63	68	68	62	63.0
WOODRUFF DAM	MAX	88	86	86	73	75	78	81	82	84	85	86	87	88	83	84	71	78	81	81	82	65	71	76	82	82	79	74	77	79	86	85	80.5
	MIN	66	63	64	53	48	57	59	61	62	60	61	51	55	63	50	39	48	48	56	50	47	47	44	47	54	58	45	37	47	60	57	53.5

EVAPORATION AND WIND

Station		Day of month																															Total or Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.23	.19	.23	.30	-	.16	.24	.25	.17	.21	.18	.06	.25	.21	.22	.19	.22	.18	.19	.22	.21	.16	.17	.19	.08	.18	.22	.18	.09	.09	.19	B5.85
BELLE GLADE EXP STA	EVAP	.16	.17	.24	-	.17	.19	.15	.18	.15	.16	.21	.11	.12	.08	.18	.14	.19	.16	.03	.19	.23	.16	.13	.16	.12	.09	.18	.19	.09	.11	.16	B4.75
CLEWISTON US ENGRS (a)	EVAP	.16	.22	.20	.21	.21	.16	.28	.21	.07	.22	.22	.25	.11	.14	.15	.23	.17	.25	.07	.14	.15	.16	.15	.16	.09	.16	.17	.16	.02	.11	.11	5.11
	MIN	70	77	77	74	73	74	73	74	73	72	72	75	76	75	74	66	67	69	70	70	63	63	63	63	66	69	69	69	70	68	70	70.5
FT LAUDERDALE EXP STA	EVAP	.16	.12	.18	.25	.19	.16	.21	.18	.25	.29	.22	.24	.06	.21	.18	.24	.33	.19	.15	.21	.26	.14	.17	.11	.16	.17	.20	.26	.12	.18	.17	5.96
	WIND	50	6	23	19	18	50	50	48	50	69	61	14	14	24	22	108	134	134	68	22	42	30	11	9	61	10	49	50	204	76	80	1606
GAINESVILLE 3 WSW	EVAP	.15	.22	.19	.23	.19	.12	.18	.07	.26	.19	.14	.14	.11	.12	.24	.18	.16	.04	.20	.27	.18	.13	.11	.15	.15	.18	.18	.22	.26	.06	.15	5.17
	WIND	20	40	20	40	60	70	50	20	70	70	60	90	60	20	70	50	40	50	70	50	10	60	20	10	10	30	50	80	20	100	10	1420
	MIN	90	89	88	86	85	81	83	83	84	85	82	82	85	85	78	78	79	84	83	81	74	79	81	80	82	86	85	85	82	86	86	83.1
HIALEAH	EVAP	.14	.14	.15	.17	.18	.23	.15	.16	.18	-	.18	.22	.04	.20	.19	.19	.27	.18	.10	.24	.27	.23	.12	.15	.13	.16	.22	.17	.14	.24	.20	B5.52
	WIND	17	22	21	17	16	50	57	49	68	62	61	30	20	27	31	113	138	110	61	51	30	51	19	21	30	56	44	24	39	315	81	1731
LISBON	EVAP	.12	.17	.20	.16	.21	.16	.16	.15	.17	.14	.07	.10	.14	.10	.22	.13	.15	.13	.19	.20	.20	.11	.15	.12	.12	.12	.17	.12	.11	.13	.11	4.53
	WIND	10	25	10	20	20	25	25	20	25	25	20	10	15	35	25	30	25	25	35	70	10	15	10	5	20	25	30	40	25	5	700	
MOORE HAVEN LOCK 1	EVAP	.28	.20	.22	.20	.19	.33	.27	.32	.18	.29	.27	.32	.19	.14	.24	.20	.24	.29	.09	.23	.18	.17	.13	.18	.17	.24	.22	.21	.11	.12	.21	6.63
	WIND	75	40	30	17	35	78	89	76	60	118	113	39	21	9	40	110	98	97	85	42	23	27	11	21	44	61	48	89	99	69	68	1832
OKEECHOBEE HRCN GATE 6	EVAP	.21	.14	.22	.26	.20	.25	.12	.24	.22	.23	.19	.11	.21	.23	.25	.17	.19	.24	.13	.22	.27	.24	.15	.15	.12	.20	.15	.25	.13	.10	.19	5.98
TAMIAMI TRL 40 MI BEND	EVAP	.22	.17	.02	.29	.20	.20	.19	.08	.13	.19	.12	.14	.19	.21	.15	.21	.15	.00	.10	.33	.12	*	.12	*	.10	.35	.18	.04	.15	.10	.18	4.63
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	72	59	39	29	36	35	*	24	*	53	30	57	65	101	91	51	-
	MIN	97	97	96	96	93	93	90	80	77	90	90	86	92	93	87	82	82	86	90	92	88	-	84	-	88	85	83	78	78	82	83	87.5
VERO BEACH FAA AIRPORT	EVAP	.23	.42	.36	.15	.25	.28	-	.32	.24	.25	-	.08	.23	.20	.47	.20	.37	.29	.23	.16	.34	.21	.23	.11	.04	.22	.26	.29	.18	-	.27	B7.58
	WIND	100	58	30	191	81	103	117	70	62	75	79	91	98	38	164	85	36	26	31	106	178	132	28	19	35	25	126	113	126	113	45	2581

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee Hrcn Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA AP - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

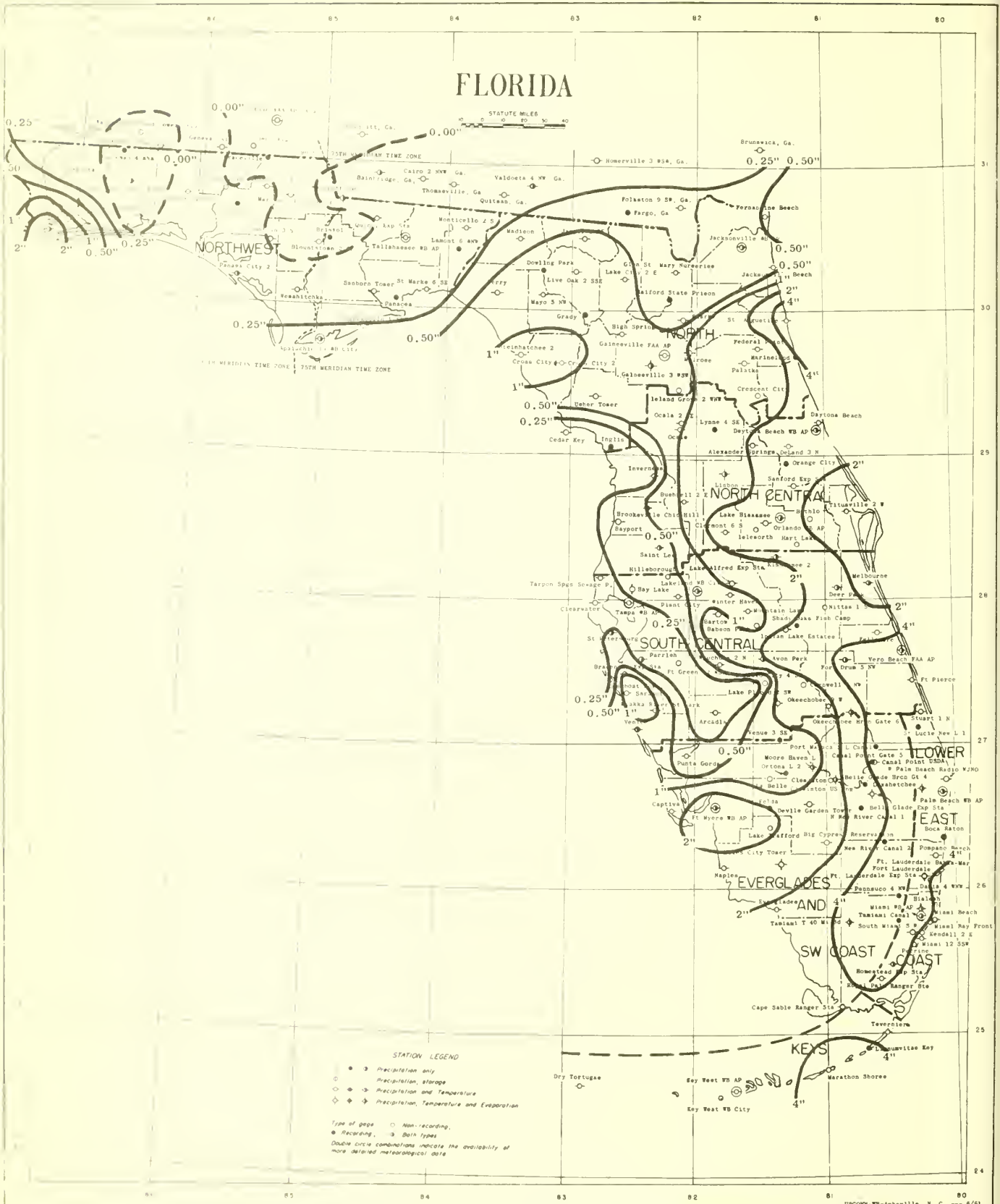
FLORIDA
OCTOBER 1961

Station And Depth		Day of month																														Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
GAINESVILLE 3 WSW																																
1 INCH	MAX	89	88	86	87	86	83	84	84	84	84	82	82	84	85	80	80	80	83	84	80	79	80	80	80	82	82	81	82	81	84	84
	MIN	77	78	75	74	74	77	73	74	77	74	78	76	78	77	71	65	66	70	72	69	64	64	70	67	68	68	63	67	71	73	67
4 INCHES	MAX	84	84	83	82	81	79	80	80	80	80	79	80	80	81	77	76	76	78	79	76	74	74	74	75	76	75	76	76	78	78	
	MIN	77	76	76	77	74	75	73	74	76	74	76	76	78	76	72	66	67	70	72	70	66	66	71	68	68	67	68	71	73	68	71.9
8 INCHES	MAX	83	82	82	81	80	79	79	79	79	79	78	79	80	80	77	75	75	77	78	75	73	73	73	74	75	74	74	74	75	76	
	MIN	79	76	78	79	77	77	75	76	78	76	77	78	79	78	75	69	70	72	74	73	70	69	72	70	71	71	70	70	72	75	71.1

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

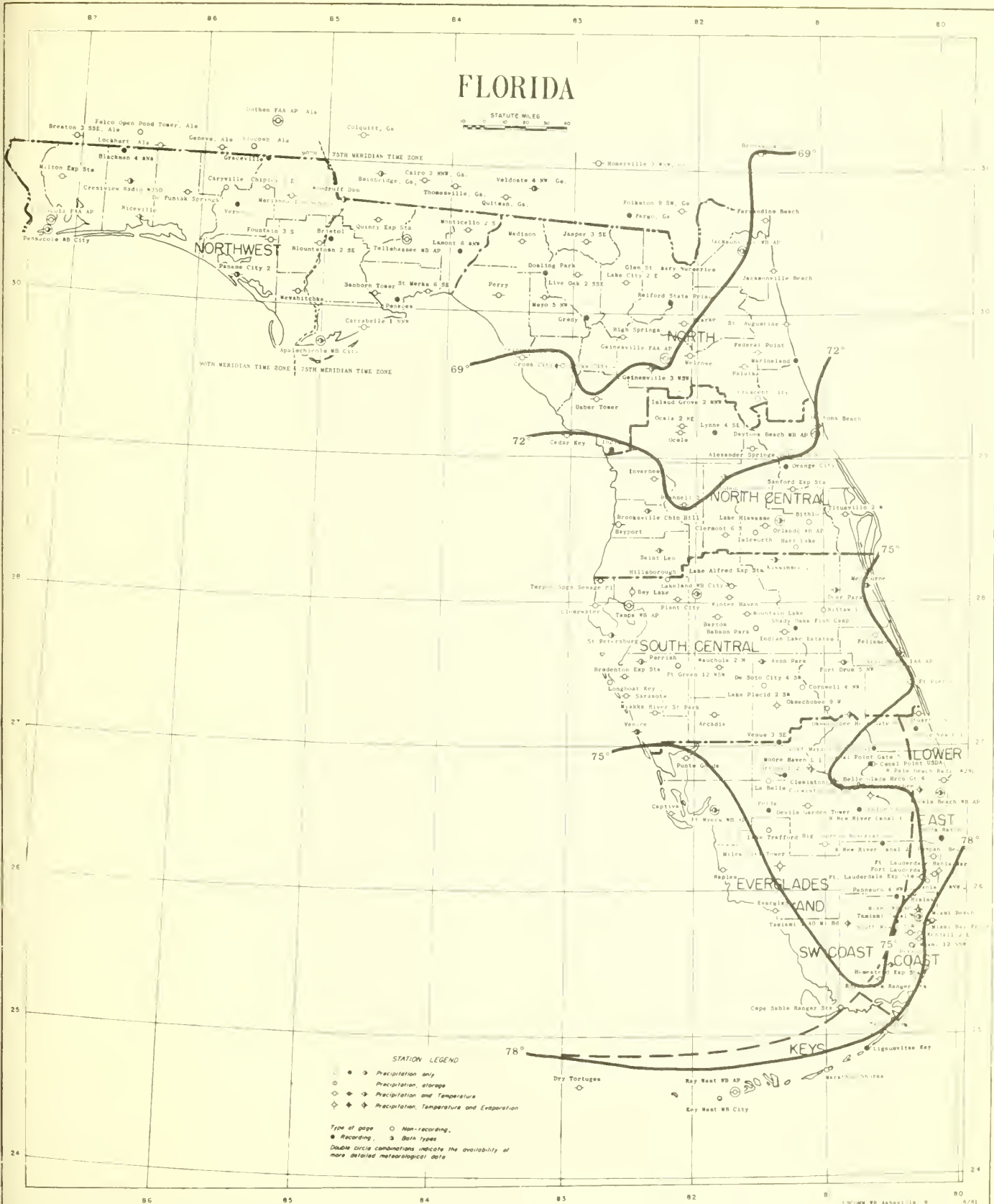
FLORIDA
OCTOBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
OCTOBER 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

NOVEMBER 1961
Volume 65 No. 11



FLORIDA - NOVEMBER 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 8th at Punta Gorda

Lowest Temperature: 27° on the 30th at Jasper 3 SE

Greatest Total Precipitation: 5.73 inches at Pensacola WB City

Least Total Precipitation: 0.06 inch at Key West WB City

Greatest One-Day Precipitation: 3.23 inches on the 14th at Pensacola
FAA Airport

DAILY PRECIPITATION

FLORIDA
NOVEMBER 1961

Continued

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
SAINT LEO	1.35				.12	.33	.12														.21			.57											
SAINT MARKS & SE	1.11					.02	.07														.02			.94											
ST PETERSBURG	1.49				T	.02						.04								.08			1.33												
SANBORN TOWER	1.77					.14	.03					.02										.10		1.48											
SANFORD EXP STATION	1.88		T		.60	.58	.06						.03	.08							.03			.47											
SARASOTA	.89					.35	.14																	.40											
SOUTH MIAMI 5 W	.91				.53	.02	T	.11	.04						T	.11						T	T	.06	.04										
STARKE	4.09					.21	1.20	.03														.05			.57										
STEINWATCHEE 2	2.69					.52	.25																	1.92											
STUART 1 N	1.80			.60		.47	.03	.02					.13	.02									.03	.17	.18									.15	
TALLAHASSEE WB RD	1.70						.06					T		T									.04	1.60											
TAMPA TRL 40 MI BENO	.55				.09																		.15	.31											
TAMPA WB AIRPORT	.94					.02	.06	T	.48			T									.05		.80												
TARPOON SPGS SEWAGE PL	1.39																						.22	T	.69										
TAVERNIER	.32																								.32										
TITUSVILLE 2 W	1.59					.48	.48																	.22											
USHER TOWER	1.34							.30															.20	.70											
VENICE	.58					.14	.02																	.42											
VERO BEACH FAA AIRPORT	1.79		T	T		.45	.75							T								.01	.54												.05
WAUCHULA 2 N	.36					.03	.08	T	.01															.24											
W PALM BEACH RADIO WJNO	1.91				.10	.88	.01		T				.28	.07	T								.11	T	.02	.14								.30	
WEST PALM BEACH WB AP R	2.86			.29		.50	.13	.14					.77	.07	T							T	.04	T	.20									.72	
WINTER HAVEN	.65					T	.03	.05																.56	.01										
WOODRUFF DAM	2.33							.46																1.64	.23										

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation					Percent of possible sunshine	Average sky cover sunrise to sunset		
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199			200 and over	Total
APALACHICOLA WB CITY	-	-	8.0	37	SE	23	-	-	-	-	2	3	1	2	0	0	8	79	5.0
DAYTONA BEACH WB AIRPORT	NW	12	7.9	25++	SE	6	84	86	61	79	2	0	5	0	1	0	8	-	6.1
FORT MYERS WB AIRPORT	-	-	8.3	25++	SSW	23	82	84	52	72	2	1	1	1	0	0	5	-	4.3
JACKSONVILLE WB AIRPORT	NW	15	8.9	29	SW	23	87	89	53	76	6	3	2	0	0	0	11	54	5.6
KEY WEST WB AIRPORT	ESE	24	10.8	26	SE	3	76	77	64	71	9	3	0	0	0	0	12	76	4.1
LAKELAND WB CITY	-	-	7.0	-	-	-	-	-	-	-	0	4	1	1	0	0	6	64	4.8
MIAMI WB AIRPORT	ESE	20	9.2	24++	NE	7	78	83	59	71	3	6	1	2	0	0	12	66	5.0
ORLANDO WB AIRPORT	N	13	7.7	23++	S	23	87	91	54	71	4	1	1	1	0	0	7	-	4.8
PENSACOLA WB CITY	-	-	11.2	28	NW	23	-	-	-	-	3	4	3	2	0	1	13	63	-
TALLAHASSEE WB AIRPORT	N	15	9.1	29++	NW	23	87	91	55	72	3	2	0	0	1	0	6	-	5.6
TAMPA WB AIRPORT	NNE	13	10.8	32++	S	23	84	87	55	72	4	4	0	1	0	0	9	67	5.0
WEST PALM BEACH WB AIRPORT	ESE	18	9.4	28++	E	30	81	85	59	70	3	2	4	3	0	0	12	-	5.1

⊗ City Office Data

DAILY TEMPERATURES

FLORIDA
NOVEMBER 1961

Continued

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
# PALM BEACH RADIO WJNO	MAX	84	84	85	82	83	84	83	86	84	80	81	80	82	81	81	82	85	85	85	82	77	79	81	78	78	79	80	81	74	74	81.3
	MIN	66	72	76	75	70	69	76	69	58	63	66	69	74	74	73	73	65	62	62	63	69	71	75	59	57	70	62	56	56	53	66.8
WEST PALM BEACH W8 AP	MAX	85	83	84	84	80	83	83	85	81	82	80	80	82	82	82	82	87	84	80	82	78	79	84	73	81	80	80	78	72	74	81.0
	MIN	64	65	72	72	70	68	69	70	58	62	65	71	73	74	74	68	64	63	63	64	67	71	68	61	58	65	60	55	53	53	65.3
WINTER HAVEN	MAX	88	86	88	89	84	87	90	87	81	81	83	82	84	86	87	87	82	81	82	80	78	80	82	75	78	84	79	80	75	73	82.6
	MIN	56	58	62	63	67	69	68	63	47	55	51	58	65	62	63	58	59	47	48	53	55	55	63	55	45	57	48	54	46	46	56.5
WOODRUFF DAM	MAX	85	87	85	84	87	83	78	78	67	64	70	76	80	80	75	82	83	66	63	70	64	61	73	69	68	71	69	73	63	56	73.7
	MIN	59	63	65	64	61	64	68	52	40	35	36	55	60	60	61	64	53	48	47	52	41	39	48	54	44	44	46	46	41	35	51.5

EVAPORATION AND WIND

Station	Day of month																															Total of Avg.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.17	.14	.18	.15	.16	.14	.12	.14	.29	.13	.09	.16	.08	.19	.12	.16	.14	.16	.13	.12	.08	.11	.07	.13	.11	.13	.23	.08	.09	.16	4.16
BELE GLADE EXP 5TA	EVAP	.12	.14	.19	.13	.15	.14	.08	.11	.19	.13	.12	.12	.07	.16	.12	.13	.11	.13	.13	.12	.10	.13	.10	.07	.14	.11	.10	.11	.09	.08	3.62
CLEWISTON US ENGRS (a)	EVAP	.17	.11	.12	.13	.04	.09	.07	.10	.18	.12	.11	.11	.10	.10	.12	.11	.08	.12	.14	.13	.11	.16	.11	.07	.17	.04	.13	.12	.07	.08	3.31
	MAX	85	83	81	83	84	83	83	85	85	78	76	72	77	80	83	83	83	81	79	80	80	76	77	77	72	76	76	77	75	70	79.3
	MIN	70	68	68	69	69	71	71	72	66	66	59	70	67	69	70	69	77	75	77	75	77	67	65	64	64	60	65	64	62	60	59
FT LAUDERDALE EXP 5TA	EVAP	.18	.16	.19	.20	.13	.10	.05	.13	.17	.16	.14	.16	.10	.15	.16	.09	.17	.07	.14	.12	.08	.13	.15	.15	.14	.18	.11	.11	.13	.12	4.07
	WIND	30	26	12	33	48	12	29	10	18	15	18	23	19	37	48	22	21	9	5	6	20	64	53	44	48	52	19	28	1	30	800
GAINESVILLE 3 W5W	EVAP	.14	.04	.22	.22	.17	.15	.08	.11	.27	.06	.09	.14	.04	.11	.23	.13	.20	.12	.17	.06	.08	.11	.06	.23	.13	.12	.09	.11	.09	.12	3.89
	WIND	20	40	30	30	50	50	60	50	30	10	10	10	20	50	20	20	40	20	30	10	30	30	80	80	30	40	20	30	10	60	1010
	MAX	86	84	85	86	80	81	85	84	79	76	75	76	81	85	83	83	86	78	79	78	69	78	78	73	77	79	78	78	72	66	79.3
	MIN	56	62	63	65	67	68	67	64	43	47	51	62	60	64	66	63	67	50	56	55	44	47	63	54	45	50	50	54	46	39	56.3
HIALEAH	EVAP	.13	.17	.18	.13	.09	.13	.08	.05	.17	.12	.13	.18	.16	.15	.16	.09	.17	.11	.13	.10	.22	.08	.15	.10	.19	.13	.15	.14	.18	.06	4.03
	WIND	41	18	59	62	36	21	29	18	27	18	20	34	67	71	63	47	26	21	20	10	22	92	80	52	87	72	11	15	20	21	1180
LISBON	EVAP	.12	.17	.13	.14	.06	.11	.09	.17	.15	.11	.09	.07	.13	.10	.11	.14	.13	.12	.12	.04	.09	.12	.08	.09	.10	.08	.10	.09	.11	.10	3.26
	WIND	15	30	45	35	10	25	15	30	15	15	10	15	30	35	20	15	15	20	25	5	20	30	80	50	20	5	20	15	35	25	725
MOORE HAVEN LOCK 1	EVAP	.19	.15	.19	.19	.18	.15	.11	.19	.19	.17	.15	.14	.11	.17	.18	.19	.18	.13	.16	.11	.15	.20	.12	.22	.20	.06	.17	.12	.06	.15	4.68
	WIND	33	14	26	30	60	41	14	40	49	41	20	25	43	41	46	42	17	12	21	12	54	76	42	71	48	57	39	11	13	49	1087
OKEECHOBEE HRCN GATE 6	EVAP	.18	.16	.20	.20	.17	.13	.13	.08	.28	.15	.24	.16	.18	.18	.21	.17	.21	.18	.16	.17	.18	.19	-	.16	.14	.12	.15	.15	.16	85.17	
TAMIAMI TRL 40 MI 8END	EVAP	.12	.15	.16	.10	.08	.10	.12	.10	.15	.13	.15	.09	.12	.12	.16	.27	.09	.10	.16	.12	.12	.10	*	.19	.15	.13	.09	.08	.10	.16	3.71
	WIND	22	40	66	47	26	19	28	26	22	16	38	43	48	8	54	42	33	8	32	14	55	56	38	27	35	38	8	14	27	29	959
	MAX	82	75	74	78	78	73	82	88	84	83	80	78	82	83	84	88	87	88	85	85	83	82	84	83	78	80	83	81	82	79	81.7
	MIN	68	68	68	68	65	68	70	71	-	-	-	-	-	-	-	73	75	73	72	66	66	62	68	63	60	59	58	57	59	56	65.8
VERO BEACH FAA AIRPORT	EVAP	.14	.12	.18	.16	.27	-	.13	.15	.19	.20	.15	.18	.05	.06	.26	.20	.12	.17	.18	.18	.15	.22	.21	.34	.11	.22	.15	.15	.12	.15	B5.08
WOODRUFF DAM	EVAP	.15	.13	.18	.13	.16	.15	.05	.17	.29	.08	.12	.18	.11	.14	.02	.14	.09	.15	.07	.14	.10	.08	-	.12	.13	.18	.15	.10	.06	.05	B3.74
	WIND	20	24	80	61	25	102	89	111	194	52	26	47	80	90	73	36	77	116	53	84	97	61	133	142	89	76	19	81	138	64	2340

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

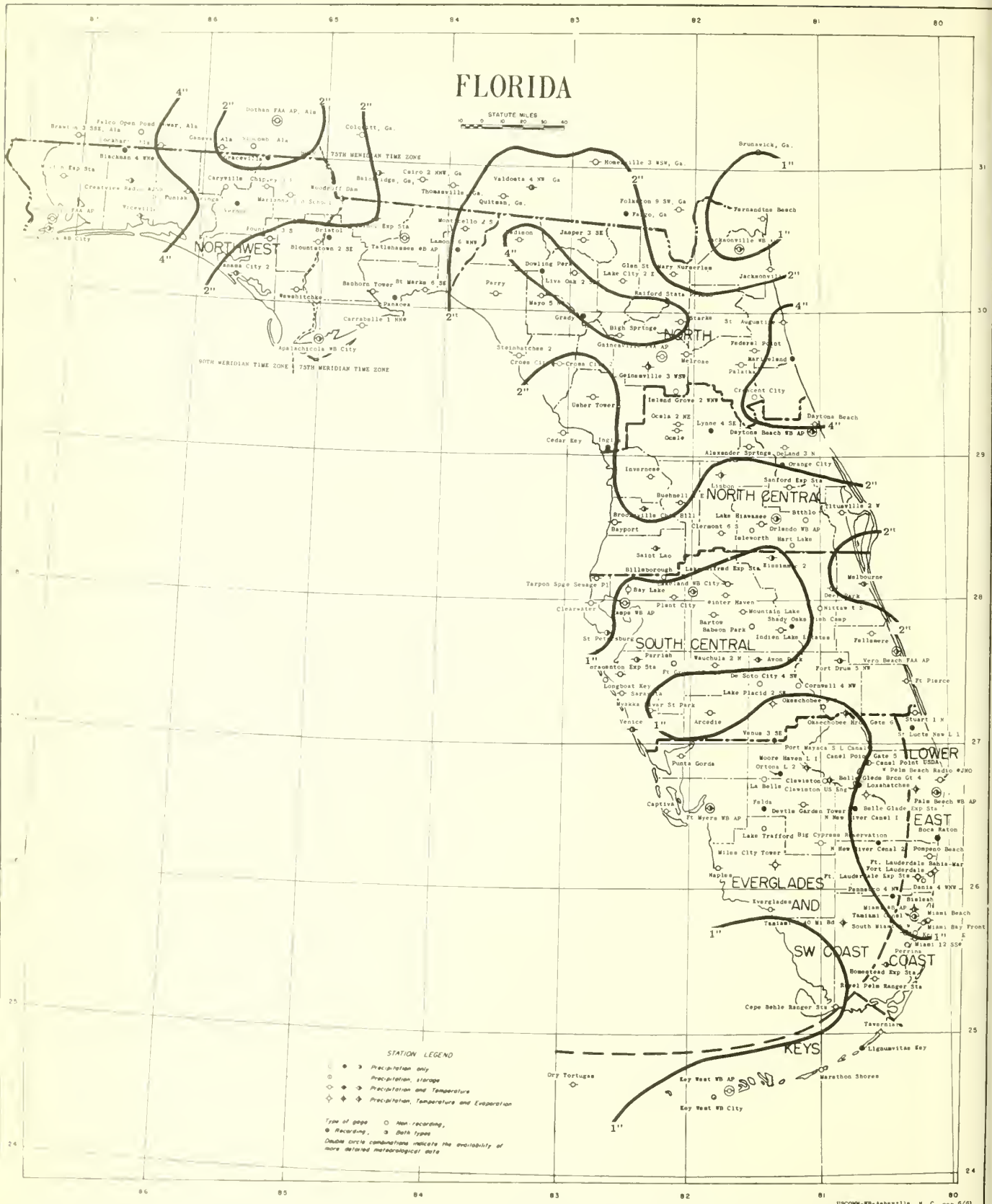
FLORIDA
NOVEMBER 1961

Station And Depth		Day of month																														Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
GAINESVILLE 3 WSW																																	
1 INCH	MAX	84	84	84	85	80	78	82	-	-	-	-	-	78	76	81	81	82	78	77	70	73	72	71	75	72	73	77	74	70	70	77.1	
	MIN	69	70	70	70	74	70	71	-	-	-	-	-	70	69	70	70	71	65	66	61	60	61	67	64	59	62	61	62	60	58	88.0	
4 INCHES	MAX	78	78	78	79	76	76	76	-	-	-	-	-	74	74	76	76	76	73	74	68	68	69	69	69	68	68	68	68	66	65	72.4	
	MIN	70	70	71	71	74	72	72	-	-	-	-	-	71	70	70	71	70	66	66	62	62	62	68	64	60	62	62	63	60	59	66.7	
8 INCHES	MAX	76	76	76	77	76	75	75	-	-	-	-	-	73	73	74	74	75	72	72	68	68	68	68	68	67	67	66	67	65	64	71.2	
	MIN	72	73	73	74	75	74	74	-	-	-	-	-	72	72	72	72	72	69	68	64	65	65	68	66	63	64	64	64	63	62	68.8	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

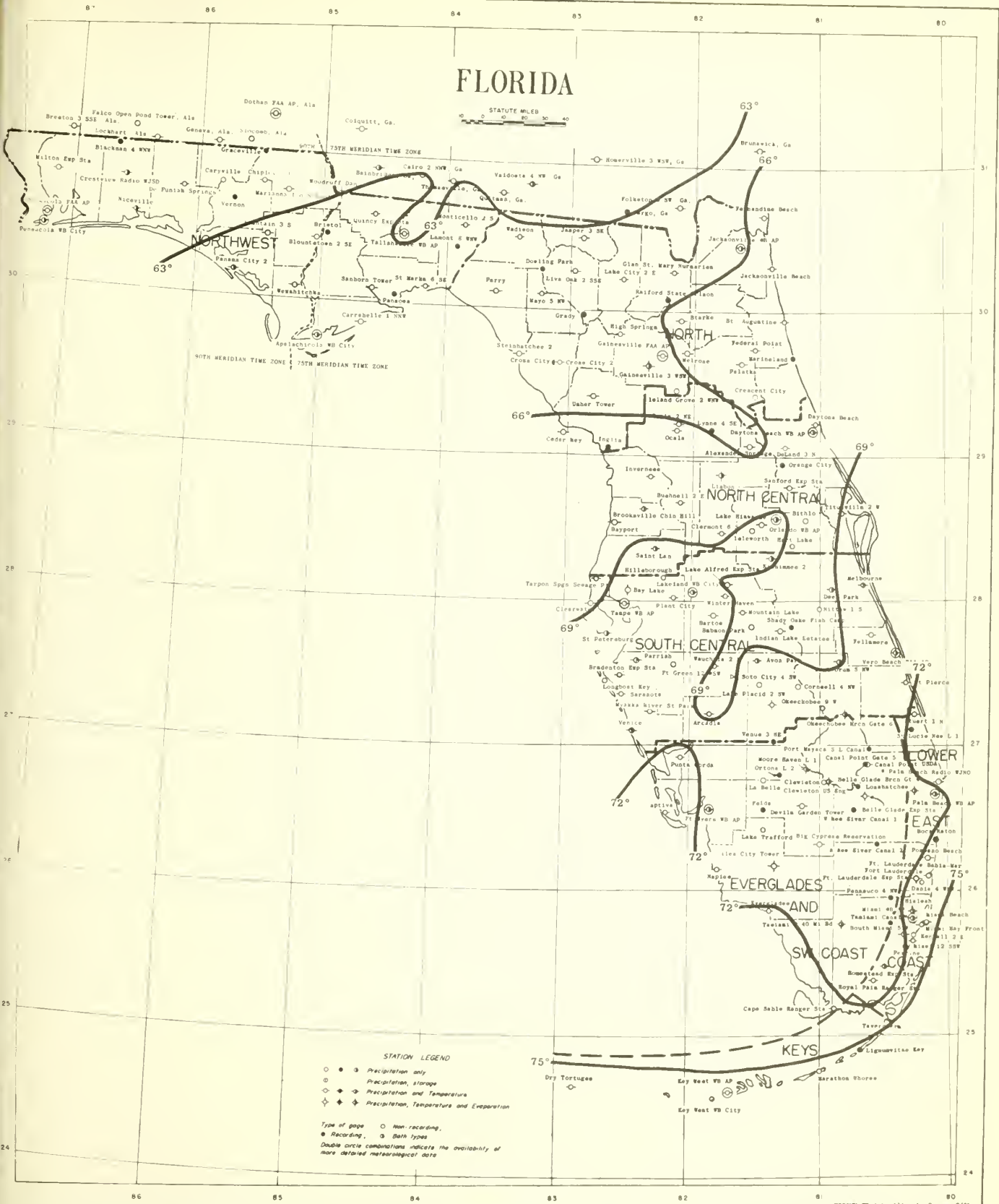
FLORIDA
NOVEMBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
NOVEMBER 1961



STATION LEGEND

- ● ○ Precipitation only
- ● ○ Precipitation, storage
- ● ○ Precipitation and Temperature
- ◆ ◆ ◆ Precipitation and Evaporation

Type of gauge ○ Non-recording,
● Recording, ○ Both types

Double circle combinations indicate the availability of more detailed meteorological data

Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

USCMB-78-Anneville, S. C. 6/61

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



30 12/8. 6-7/12

U. S. DEPARTMENT OF COMMERCE

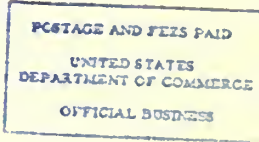
LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



UNITED STATES
DEPARTMENT OF COMMERCE
WEATHER BUREAU
WEATHER RECORDS CENTER
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DECEMBER 1961

Volume 65 No. 12



FLORIDA - DECEMBER 1961
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 90° on the 18+ at 4 stations

Lowest Temperature: 14° on the 30th at Live Oak 2 ESE

Greatest Total Precipitation: 10.97 inches at De Funiak Springs

Least Total Precipitation: Trace at Nittaw 1 S and Okeechobee 9 W

Greatest One-Day Precipitation: 4.25 inches on the 10th at Milton
Exp Station

CLIMATOLOGICAL DATA

FLORIDA
DECEMBER 1961

Station		Temperature													Precipitation									
		Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow Sleet			No. of Days		
											10° or Above	32° or Above	50° or Above	60° or Above					Total	Max Depth on Ground	Date	10 or More	30 or More	1.00 or More
NORTHWEST																								
APALACHICOLA WB CITY BLOUNTSTOWN 2 SE CARRABELLE 1 NNW CHIPLEY 3 E CRESTVIEW RADIO WJSB	64.4	50.7	57.6	-1.3	75	17+	31	29	253	0	0	2	0	3.22	-.07	1.49	12					5	2	1
	65.5M	40.4M	53.0M	-.6	80	12	23	30	388	0	0	6	0	3.68	-.30	1.85	13					5	2	1
	67.1	42.7	54.9		78	6	16	30	328	0	0	9	0	3.25		1.73	13					5	2	1
	65.8	42.5	54.2		79	11	20	30	354	0	0	8	0	8.34		2.64	12					10	5	3
	66.4	41.8	54.1		81	3	24	29	347	0	0	9	0	7.95		3.02	11							
DE FUNIAK SPRINGS FOUNTAIN 3 S MARIANNA IND SCHOOL MILTON EXP STATION MONTICELLO 2 S	65.5	44.4	55.0	.3	78	12+	22	29	332	0	0	7	0	10.97	6.04	3.90	10					8	5	4
	68.1M	43.2M	55.7M		81	11	19	30	302	0	0	8	0	5.27		1.29	12					8	5	2
	67.2	43.4	55.3	1.1	82	11	21	30	325	0	0	8	0	6.05	1.65	1.83	12					10	5	2
	65.5	44.7	55.1		78	6	22	29	325	0	0	8	0	10.71		4.25	10					11	4	3
67.4	44.5	56.0	1.9	82	11	21	30	300	0	0	9	0	4.39	1.11	2.30	13					4	2	2	
NICEVILLE PENSACOLA FAA AIRPORT PENSACOLA WB CITY QUINCY EXP STATION SAINT MARKS 6 SE	65.2	41.0	53.1		78	11	21	31+	384	0	0	7	0	7.73	3.12	3.90	11					7	4	2
	63.2	45.6	54.4		77	10+	24	29	343	0	0	12	0	8.19		1.87	15					6	5	5
	64.3	48.2	56.3	1.2	78	6	28	29	296	0	0	4	0	8.21	4.04	2.05	12					8	5	4
	66.7	44.1	55.4	1.1	78	12+	19	30	314	0	0	7	0	6.02	-.04	1.91	13					8	5	3
	66.0	45.0	55.5		73	5+	21	30	299	0	0	7	0	2.68		1.25	13					5	1	1
SANBORN TOWER TALLAHASSEE WB AP WOODRUFF DAM	68.5	42.4	55.5		80	5+	16	30	314	0	0	9	0	2.82		1.20	13					4	2	1
66.1	42.7	54.4	.3	78	5+	17	30	337	0	0	8	0	4.23	.55	1.85	12					4	3	2	
65.6	43.7	54.7		81	13	21	29	339	0	0	5	0	6.27		3.00	13					5	4	3	
DIVISION			55.0	.5										6.00	1.84									
NORTH																								
CEDAR KEY CROSS CITY 2 FEDERAL POINT FERNANDINA BEACH GAINESVILLE 3 WSW	69.4	50.8	60.1	.2	79	16+	27	26	195	0	0	3	0	1.23	-.97									
	71.0	44.3	57.7		81	11+	16	30	259	0	0	7	0											
	72.4	49.5	61.0		85	11+	28	31	182	0	0	5	0	.94	-1.66	.40	13					3	0	0
	69.9	47.2	58.6	1.1	84	12+	21	30	245	0	0	5	0	.44	-2.10	.21	13					2	0	0
	72.5	47.2	59.9	1.0	84	10	18	30	213	0	0	5	0	.88	-1.90	.41	13					2	0	0
GAINESVILLE FAA AP GLEN ST MARY NURSERIES HIGH SPRINGS JACKSONVILLE WB AP JACKSONVILLE BEACH	69.8	44.2	57.0		84	10	19	30	277	0	0	8	0	.97		.32	13					5	0	0
	70.8	42.5	56.7	1.0	83	11	16	30	283	0	0	9	0	.69	-2.45	.33	13					3	0	0
	70.3M	45.3M	57.8M		83	11	18	30	245	0	0	7	0	.68		.50	13					2	1	0
	69.1	46.2	57.7	1.3	83	12+	24	30	268	0	0	5	0	.47	-1.90	.18	13					1	0	0
	69.3	49.4	59.4		83	11	26	30	224	0	0	5	0	.38		.16	13					2	0	0
JASPER 3 SE LAKE CITY 2 E LIVE OAK 2 ESE MADISON MAYO 5 NW	68.4	40.2M	54.3M		82	11+	15	30	388	0	0	10	0	1.20		1.15	13					1	1	1
	70.7	44.1	57.4	.8	83	11+	17	30	263	0	0	9	0	1.05	-1.81	.63	13					3	1	0
	69.8	43.3	56.6		82	12+	14	30	275	0	0	8	0	1.75		.76	18					4	2	0
	66.0	44.3	55.2	-.5	84	18	22	30	327	0	0	7	0	2.00	-1.13	.84	13					5	1	0
	69.6	43.7	56.7		81	11	16	30	276	0	0	8	0	1.73		.76	13					4	2	0
MELROSE PALATKA PERRY SAINT AUGUSTINE STARKE	71.2	49.0	60.1		83	10	26	30	192	0	0	5	0	1.02		.44	13					3	0	0
	70.6	49.2	59.9	.1	83	18	26	30	211	0	0	5	0	1.00	-1.65	.45	28					3	0	0
	71.2	44.5	57.9		82	11	16	30	254	0	0	9	0	1.56		1.05	13					3	1	1
	71.2	48.1	59.7	.7	84	10	23	25	218	0	0	6	0	.67	-2.08	.43	28					2	0	0
	71.9M	45.1M	58.5M		84	12+	18	30	234	0	0	5	0	.61		.38	13					3	0	0
STEINHATCHEE 2 USHER TOWER	72.5	45.0	58.8		85	11	19	30	230	0	0	6	0											
71.1	45.0	58.1		82	11	19	26	252	0	0	7	0	2.50		.90	13					4	3	0	
DIVISION			58.1	.4										1.09	-1.61									
NORTH CENTRAL																								
ALEXANDER SPRINGS BAYPORT BROOKSVILLE CHIN HILL BUSHNELL 2 E CLERMONT 6 S	72.6	47.4	60.0		84	18	20	30	212	0	0	5	0	1.17		.63	19					1	1	0
	71.2	49.5	60.4		84	15+	27	31+	210	0	0	4	0	2.20		1.18	19					1	2	1
	75.3M	52.6M	64.0M	1.7	85	14+			130	0	0	2	0	1.87	-.31	.84	19					5	2	0
	74.4	48.4	61.4		85	18+	18	30	190	0	0	4	0	2.13		1.35	19					5	1	1
	72.6	52.2	62.4	-.1	84	18	26	30	163	0	0	2	0	2.26	.18	1.53	19					5	2	1
DAYTONA BEACH DAYTONA BEACH WB AP DE LAND 3 N INVERNESS LAKE HIAWASSEE	72.2	53.5	62.9		84	19+	28	31	161	0	0	4	0	1.01		.36	23					3	0	0
	71.6	50.6	61.1	.6	84	18	27	30+	192	0	0	3	0	.73	-1.72	.26	13					3	0	0
	74.8	51.4	63.1	2.2	85	18	23	30	141	0	0	3	0	.54	-1.36	.33	19					1	0	0
	73.6	50.4	62.0	1.5	85	18+	22	30	170	0	0	2	0											
	73.0	51.8	62.4		85	19	27	30	160	0	0	2	0	.99		.45	20					3	0	0
LISBON OCALA OCALA 2 NE ORLANDO WB AIRPORT SAINT LEO	73.6	49.9	61.8		85	18	23	30	176	0	0	3	0	1.76		1.22	19					3	1	1
	74.9	49.9	62.4		87	10	25	30	164	0	0	4	0	1.10		.72	13					3	1	0
	73.6	46.4	60.0		87	10	16	30	226	0	0	5	0	1.08		.52	13					3	1	0
	74.6	53.1	63.9	1.2	90	18	29	30	149	1	0	1	0	.66	-1.43	.36	19					3	0	0
	74.5	52.3	63.4	1.1	87	10	30	30	150	0	0	2	0	3.37	1.25	1.55	19					5	2	1
SANFORD EXP STATION TITUSVILLE 2 W	74.5	52.1	63.3	.8	85	18	24	30	140	0	0	2	0	1.71	-.42	1.38	19					2	1	1
76.3	51.6	64.0	1.0	88	18	23	30	142	0	0	5	0	2.02	.05	1.75	19					3	1	1	
DIVISION			62.3	.6										1.54	-.51									
SOUTH CENTRAL																								
ARCADIA AVON PARK BARTOW BRADENTON EXP STATION CLEARWATER	77.0	50.5	63.8	-.3	88	13	23	30	133	0	0	3	0	1.82	-.26									

DAILY PRECIPITATION

FLORIDA
DECEMBER 1961

Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SAINTE LEO	3.37												.29					.90	1.55													.27	.36
SAINTE MARKS 6 SE	2.08												1.25					.30	2.30												.37	.36	
ST PETERSBURG	3.37												.18																		.32	.02	.55
SANBORN TOWER	2.82												1.20					.05	.94												.08	.08	
SANFORD EXP STATION	1.71												.25							1.38	.02			.09						.36		.06	
SARASOTA	.76																																
SOUTH MIAMI 5 W	.25	.08	T															.04													.33	.06	.15
STARKE	.61																															.13	
STEINHATCHEE 2																																	
STUART 1 M	.14																																
TALLAHASSEE WB AP	4.23																																
TAMIAKI TRL 40 MI BEND	.09																																
TAMPA WB AIRPORT	3.80																																
TARPON SPOGS SEWAGE PL	3.48																																
TAVERNIER	1.29	.30																															
TITUSVILLE 2 W	2.02																																
USHER TOWER	2.50																																
VERICE	.77																																
VERO BEACH FAA AIRPORT	.08																																
WAUCHULA 2 N	1.76																																
W PALM BEACH RADIO WJMO	.49	.01																															
WEST PALM BEACH WB AP R	.58																																
WINTER HAVEN	1.39																																
WOODRUFF DAM	6.27																																

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
APALACHICOLA WB CITY	-	-	7.9	29	E	8	-	-	-	-	0	3	3	1	1	0	8	75	5.1
DAYTONA BEACH WB AIRPORT	NW	16	8.0	23++	WNW	29	81	85	57	75	3	3	3	0	0	0	9	-	5.0
FORT MYERS WB AIRPORT	-	-	8.9	23++	NNE	24	86	88	53	72	2	1	2	0	0	0	5	-	4.8
JACKSONVILLE WB AIRPORT	NW	12	8.7	30	NW	13	84	87	50	71	6	5	1	0	0	0	12	57	5.0
KEY WEST WB AIRPORT	ENE	22	12.2	26	SE	31+	77	81	65	76	6	6	2	0	0	0	14	69	4.2
LAKELAND WB CITY	-	-	7.0	-	-	-	-	-	-	-	0	3	2	1	0	1	7	64	4.5
MIAMI WB AIRPORT	ESE	13	9.9	25++	WNW	28	77	82	57	69	8	4	0	0	0	0	12	66	4.7
ORLANDO WB AIRPORT	NNE	10	8.6	20++	WNW	29+	83	86	54	66	3	1	3	0	0	0	7	-	4.3
PENSACOLA WB CITY	-	-	9.2	33	SE	31	-	-	-	-	1	7	4	1	3	1	17	60	-
TALLAHASSEE WB AIRPORT	S	12	9.3	29++	NNE	12	87	89	59	76	3	4	1	1	2	0	11	-	5.7
TAMPA WB AIRPORT	NE	12	11.3	29++	NNW	13	78	81	53	69	2	3	1	1	2	0	9	73	4.8
WEST PALM BEACH WB AIRPORT	NNW	11	10.1	29++	WNW	28	80	84	58	70	6	3	1	0	0	0	10	-	5.4

CLIMATOLOGICAL DATA

FLORIDA
DELAYED DATA

Station	Temperature										Precipitation																		
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow Sleet			No. of Days								
										90° or Above	32° or Above	Freezing or Below	0° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More						
																								Max.	Min.				
JUNE 1961																													
LAKE CITY 2 E	88.5	M	M		96	12+			0	17	0																		
JULY 1961																													
ARCAOIA	93.1	68.1	80.6	-.9	100	31	62	10	0	27	0	0	0	3.11	- 5.80	.88	20	.0	0					8	2	0			
TITUSVILLE 2 W	93.8	70.4	82.1	.3	98	31	67	4	0	29	0	0	0	6.78	.77	2.46	3	.0	0					5	4	3			
VENICE	90.5	70.9	80.7		94	31	66	3+	0	27	0	0	0	9.13		1.92	3	.0	0					11	8	5			
WAUCHULA 2 N			M								0	0	0	5.57		1.99	15	.0	0					9	3	2			
WEWAHITCHKA	93.2	65.6	79.4		96	26+	60	3+	0	30	0	0	0	7.65		1.40	19	.0	0					16	6	2			
SEPTEMBER 1961																													
WEWAHITCHKA	88.4	62.8M	75.6M		94	10+	55	17	0	14	0	0	0	.62		.32	6	.0	0					3	0	0			
OCTOBER 1961																													
OE LANO 3 N	82.5	61.4	72.0	- 1.2	89	3+	45	21	7	0	0	0	0	3.49	- 1.22	1.18	11	.0	0					5	4	1			
FELLSMERE	83.9	60.5	72.2	- 3.3	92	3	45	21	5	3	0	0	0	5.99	- 1.50	1.93	29	.0	0					7	4	3			
KISSIMMEE 2	85.6	63.3	74.5	.3	92	12+	45	21	2	9	0	0	0	2.33	-.97	.80	11	.0	0					4	3	0			
NOVEMBER 1961																													
CRESTVIEW RADIO WJSB	73.1	47.8	60.5		84	5	31	30	183	0	0	1	0	3.71		1.00	23	.0	0					7	2	1			
DE LANO 3 N	79.1	56.1	67.6	- 4.5	87	1	46	25	27	0	0	0	0	2.64	.77	1.62	6	.0	0					4	1	1			

DAILY PRECIPITATION

Station	Day of month																															Total			
	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
JANUARY 1961																																			
CORNWELL 4 NW										1.33	.15			2.00																					3.48
JUNE 1961																																			
LAKE CITY 2 E																																			
JULY 1961																																			
ARCADIA			.14		.14					.31	.27						.08	.83	.88		.05	.25	.11	.05										3.11	
SAY LAKE	.73	.02	.55	.73	.02						.29			.84	.50		1.82	1.48		.17	.05	.04	1.23	1.13									9.60		
CORNWELL 4 NW	T	.05	.85	T	.75	.61	T				.82	T	T		.09		.18	.17	.27	.21	.44	T	.31	T	.23								5.00		
TITUSVILLE 2 W			2.46	.12						.82							1.25	2.13																6.78	
VENICE			1.92								1.02	1.01			1.12	.14	.73	1.38	.07	.26	.50	.53	.08	.06		.31							9.13		
WAUCHULA 2 N			.88		.12					T	.38	1.18			1.99		.18	.30	.05	.04		.23	.14	.07	.01	T							5.57		
WEWAHITCHKA	1.00	.70	.48				.60			.20						.30	1.40	.40	.30	.22	.10	.20	.40	.50	.55	.30							7.65		
SEPTEMBER 1961																																			
WEWAHITCHKA	.20				.32		.10																											.62	
OCTOBER 1961																																			
CORNWELL 4 NW	T								T	.41	.19								T		1.43												.06	2.09	
DELAND 3 N					.67	.08				.33	1.18	.50	.09																.64					3.49	
FELLSMERE					1.22			.11		1.20	.09	.83			.03				.23				.35	T	1.93									5.99	
KISSIMMEE 2										.80	.05	.60	.58																	.30				2.33	
NOVEMBER 1961																																			
CRESTVIEW RADIO WJSB		.26	.26		.46						.94	.42	.37																					3.71	
DELAND 3 N			.33	1.62	.05					.03										.12	.09	.35												2.64	

See Reference Notes Following Station Index

DAILY TEMPERATURES

FLORIDA
DELAYED DATA

Station		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JUNE 1961																																	
LAKE CITY 2 E	MAX	87	90	90	92	96	92	88	90	88	91	94	96	92	90	86	84	90	88	82	76	79	86	90	91	92	87	79	89	91	90	88.5	
	MIN																																
JULY 1961																																	
ARCADIA	MAX	95	94	91	88	91	94	93	93	92	93	94	94	95	96	95	95	94	87	83	87	95	95	94	96	94	93	91	92	95	96	100	
	MIN	66	69	69	66	67	68	67	67	69	62	66	67	69	70	71	67	72	70	69	70	68	67	68	69	70	68	65	69	69	67	69	
TITUSVILLE 2 W	MAX	94	95	93	92	94	95	95	97	97	93	92	93	93	95	91	95	95	90	86	87	94	93	94	95	95	95	96	93	97	97	98	
	MIN	69	71	69	67	70	71	71	72	72	68	69	71	77	72	71	71	71	71	70	70	70	72	70	70	69	69	68	70	70	70		
VENICE	MAX	90	92	90	89	89	91	91	90	91	92	91	92	90	91	92	92	93	82	80	90	92	92	93	93	90	90	91	92	90	94		
	MIN	66	71	66	69	71	71	69	72	73	72	70	70	70	72	72	70	71	72	70	72	71	72	70	71	72	72	70	71	72	74		
WAUCHULA 2 N	MAX			94		91	94	94			94	94	93	94	96					87	81	88	93		94	94	94	93	94	97			
	MIN			47		68	70	70			69	71	72	72	75					73	73	71	69		69	72	71	68	71	70			
WEWAHITCHKA	MAX	89	91	91	92	93	94	96	95	94	93	92	93	94	95	96	95	94	94	93	94	92	91	91	94	95	96	94	93	93	92		
	MIN	60	64	60	67	66	68	69	69	68	68	65	63	65	67	66	68	67	67	68	66	65	66	65	64	64	65	64	65	65	65		
SEPTEMBER 1961																																	
WEWAHITCHKA	MAX	94	93	92	91	91	91	92	91	93	94	89	88	86	85	82	80	81	81	85	88	90	90	92	90	88	87	86	87	87	88		
	MIN	72	72	70	71	70	68	68								56	55	60	61	60	59	58	59	60	60	60	61	61	60	61	61		
OCTOBER 1961																																	
OE LAND 3 N	MAX	89	87	89	87	84	81	82	80	85	85	82	83	87	85	79	79	82	84	83	80	73	78	81	80	83	83	80	80	82			
	MIN	66	66	64	63	61	69	60	65	64	65	68	67	71	69	58	55	59	62	68	68	59	45	50	52	54	57	55	58	61			
FELLSMERE	MAX	89	90	92	88	87	82	85	86	85	84	85	90	88	89	82	80	82	84	83	81	75	80	82	82	80	82	83	80	79			
	MIN	67	66	69	72	72	62	64	66	67	63	64	58	55	55	52	50	55	55	51	49	45	50	70	61	60	61	61	60	67			
KISSIMMEE 2	MAX	90	92	90	91	88	84	85	85	87	88	85	92	91	90	90	90	82	85	84	82	80	85	83	83	82	83	82	82	80			
	MIN	72	66	65	65	64	67	65	65	64	63	68	73	72	70	65	55	60	62	68	59	45	55	46	63	60	69	62	60	65			
NOVEMBER 1961																																	
CRESTVIEW RADIO WJSB	MAX	82	83	82	80	84	74	78	69	61	70	72	65	82	73	78	76	70	78	68	68	69	74	73	73	72	74	75	70	57			
	MIN	62	61	61	55	60	52	56	44	34	34	36	48	41	64	69	69	44	42	40	41	37	41	56	45	44	40	41	51	35			
OE LAND 3 N	MAX	87	85	85	85	81	83	82	82	76	75	80	81	83	83	85	85	83	79	77	75	70	80	80	70	76	76	74	70	70			
	MIN	61	60	62	62	64	69	68	64	47	49	48	49	48	61	65	59	63	51	53	54	49	49	65	55	46	52	49	55	48			

EVAPORATION AND WIND

Station		Day of month																															Total Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARCH 1961																																	
8AY LAKE	EVAP	.21	.19	.14	.14	.25	.18	-	.35	.33	.37	.22	.19	.16	.15	.17	.24	.13	.25	.19	.24	.21	.23	.25	-	.30	.26	.22	.27	.31	.27	.28	87.16
JULY 1961																																	
8AY LAKE	EVAP	.24	.29	.25	.19	.23	.15	.23	.32	.40	.35	.32	.19	.11	.27	.16	.22	.30	.19	.28	-	.23	.18	.12	.29	.29	.32	-	.24	.34	.19	.30	87.69

CORRECTIONS

MONTH: JANUARY 1961

Climatological Data Table:
Parrish

Maximum temperature 32 degrees or below should be 0.

MONTH: AUGUST 1961

Climatological Data Table:
Canal Point USDA

Average minimum temperature should be 69.9; average temperature, 80.4. Everglades and SW Coast Division average should be 82.0; departure from long-term average, -0.2.

Daily Precipitation Table:
Carrabelle 1 NNW
Fountain 3 S

Precipitation on the 31st should be missing.
Precipitation on the 31st should be missing.

Daily Temperature Table:
Canal Point USDA

Minimum temperature on the 29th should be 70; 30th, 68; 31st, 68. Average minimum temperature should be 69.9.

TOTAL PRECIPITATION

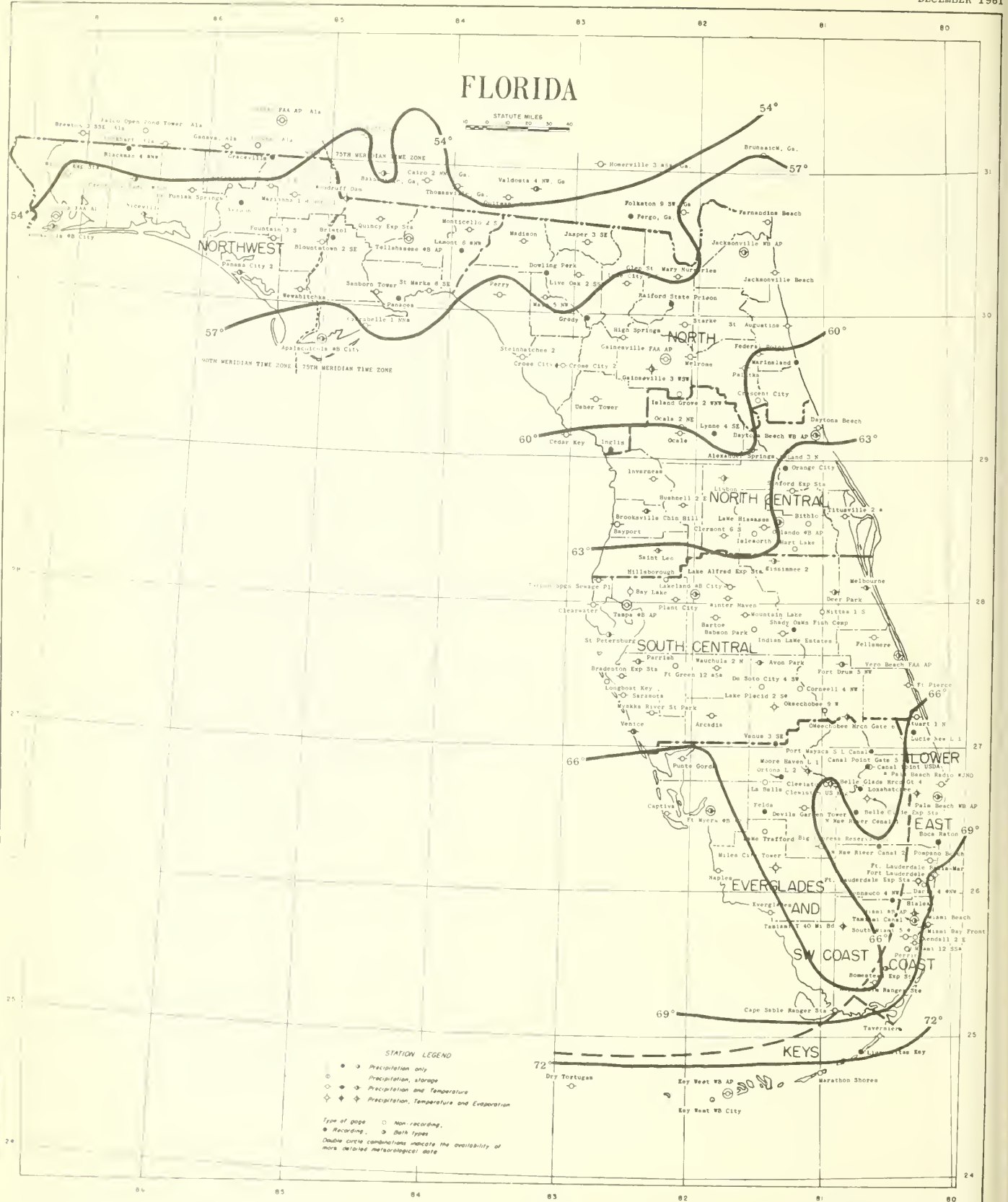
FLORIDA
DECEMBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
DECEMBER 1961



STATION LEGEND

- Precipitation only
- Precipitation, storage
- ◇ Precipitation and Temperature
- ◆ Precipitation, Temperature and Evaporation

Type of gage

- Non-recording
- Recording
- ◆ Both types

Double circle combinations indicate the availability of more detailed meteorological data

USCOEN-WB-Savannah, N. C. --- 6/61

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

☒ Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 2/7/62 --- 900

32 11/8.63/12
U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

ANNUAL SUMMARY 1961

Volume 65 No. 13



AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

FLORIDA
1961

Table 1-Continued

STATION	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	
TEINHATCHEE 2	49.6		57.5		63.9		62.2		71.5		75.8		79.1 ^M		79.0		78.2		69.5		65.2		58.8		67.5		
QUART 1 N	62.1		65.9		71.3		71.3		76.8		80.3		81.9		82.0		81.5		76.3		72.1		66.4 ^M		74.0		
MILLAHASSEE WB AP	47.8	- 5.8	58.0	2.4	63.8	3.3	62.1	- 5.1	71.8	- 2.4	77.3	- 2.4	80.2	- .8	79.2	- 1.7	77.9	- .1	66.9	- 1.9	61.7	2.9	56.4	3	66.8	- .7	
MIAMI TRL 40 MI BENO	65.3		69.4		72.8		71.5		76.0		79.8		82.0 ^M		82.6		81.0		74.7		69.7		65.0		74.2		
MPA WB AIRPORT	57.7	- 3.8	65.0	2.1	70.4	4.4	68.6	- 2.9	76.7	2	80.9	.5	82.9	1.2	82.7	.7	81.8	1.3	74.4	- .2	69.8	3.1	64.2	1.5	73.0	.7	
ARPON SPGS SEWAGE PL	56.3	- 5.8	63.2	.2	68.7	2.1	67.9	- 3.4	75.9	- .7	79.5	- 1.4	82.2	.2	82.1	- .4	80.4	- .7	73.7	- 1.3	69.0	2.2	63.2	.6	71.9	- .6	
LYNNHURST	66.7		71.7		75.5		76.9		78.7		82.1		83.9		83.9		82.3		78.1		75.0		71.1		77.1		
LEESVILLE 2 W	57.8	- 4.5	63.7	.8	69.8	3.1	69.1	- 1.9	75.3	- 1.1	79.3	- 1.2	82.1	.3	82.1	.0	80.0	- .5	73.6	- 1.2	69.1	1.6	64.0	1.0	72.2	- .3	
SEWER TOWER	51.2		60.0		66.0		63.4		73.6		78.1		80.6		80.5		78.7		69.2		64.1		58.1		68.7		
BRIDGE	59.5		65.4		69.9		69.7		76.1		79.3		80.7		80.6 ^M		80.3		74.5		69.2		64.2		72.5		
WINDY BEACH FAA AIRPORT	60.5		65.3		70.3		69.8		76.5		79.4		82.1		82.5		80.2		75.0		70.7		65.4		73.1		
WINDY BEACH 2 N			65.9 ^M		70.8 ^M		68.6 ^M		75.9 ^M		79.9 ^M		81.9 ^M		82.5 ^M		80.2 ^M		73.2 ^M		69.0		64.9 ^M		72.2		
PALM BEACH RADIO WJN					73.6 ^M		74.2 ^M		78.0		81.9 ^M		84.2		83.3		82.5 ^M		77.4		74.1		68.8		75.1		
EAST PALM BEACH WB AP	63.6	- 3.4	68.2	.5	72.6	2.6	72.3	- 1.5	77.5	.4	81.1	.5	83.2	1.2	82.7	.5	82.0	.8	75.2	- .5	73.2	1.5	67.8	- .9	75.1	.1	
SWANITCHKA	49.4						65.8					79.4				75.6 ^M											
INTER HAVEN	58.0		65.3		69.9		69.0		75.9		79.7		82.1		82.0		80.9		74.7		69.6		64.8		72.7		
WOODRUFF DAM	45.7		57.0		64.0 ^M		63.3 ^M		73.0		78.9		81.6		80.6		78.1		67.3		62.6		54.7		67.2		
DIVISIONAL AVERAGES																											
ORTHWEST	47.8	- 6.6	58.6	2.7	63.9	3.1	63.6	- 3.6	72.4	- 2.1	77.5	- 2.5	80.7	- .4	79.7	- 1.4	78.1	- .2	67.5	- 2.1	62.6	3.5	55.0	.5	67.3	- .7	
ORTH	51.0	- 6.6	60.2	1.6	66.7	3.5	64.6	- 4.2	73.9	- 1.5	78.1	- 2.1	81.1	- .3	80.5	- 1.0	78.9	- .2	69.3	- 2.3	65.5	3.0	58.1	.4	69.0	- .8	
ORTH CENTRAL	55.7	- 5.4	63.1	1.0	69.1	3.0	67.9	- 2.9	75.7	- .7	79.4	- 1.0	81.8	.3	81.7	- .1	79.8	- .3	72.4	- 1.5	68.0	2.1	62.3	.8	71.4	- .4	
SOUTH CENTRAL	58.5	- 4.4	65.0	1.3	70.0	2.6	69.1	- 2.7	76.2	- .5	79.8	- .6	82.0	.4	81.9	- .1	80.3	.3	74.0	- 1.1	69.6	2.0	64.7	1.0	72.6	- .2	
FLORGLADES AND S W COA	62.0	- 3.1	67.2	1.4	71.3	2.3	71.0	- 1.8	76.5	2	80.2	- .1	81.9	.2	82.0	- .2	80.8	- .4	75.4	- 1.3	71.0	1.0	66.3	.0	73.8	- .2	
SOUTH EAST COAST	64.1	- 3.2	68.8	1.4	72.6	2.4	73.0	- .6	77.1	.1	80.4	.3	82.5	1.1	82.2	.3	81.1	.1	76.6	- .7	72.6	.9	68.2	- .2	74.9	.1	
KEYS	67.0	- 3.5	71.7	.8	75.5	1.9	76.6	- .1	79.8	.0	82.6	.2	84.4	1.1	84.6	.8	83.0	.5	78.9	- .1	76.0	1.7	72.2	.7	77.7	.3	

A narrative Special Weather Summary appeared in the October issue of this publication for 1961.

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

FLORIDA 1961

TABLE 2

Table with columns for months (January to December) and an Annual column. Each month has two sub-columns: Precipitation and Departure. Rows list various stations such as ALEXANDER SPRINGS, APALACHICOLA WB CITY, etc.

See Reference Notes Following Station Index

SOIL TEMPERATURES

FLORIDA
1961

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	
GAINESVILLE 3 WS*																											
1 INCH	-	---	65.3	82/47	74.4	92/55	75.6	91/59	84.6	103/69	87.0	106/74	87.8	99/78	86.9	98/76	84.4	94/76	77.3	89/64	71.6	85/58	63.9	76/42	-	106/--	
4 INCHES	-	---	63.0	76/51	72.2	83/60	73.4	84/63	81.1	90/71	83.5	94/75	84.8	92/78	84.4	92/76	82.0	89/76	75.1	84/66	69.6	79/59	62.0	72/45	-	94/--	
8 INCHES	-	---	61.8	73/48	70.9	78/62	72.0	80/66	80.2	87/71	83.5	89/78	85.1	90/81	84.8	90/78	82.6	88/78	75.7	83/69	70.0	77/62	62.4	70/48	-	90/--	

Monthly averages are obtained by taking the average of daily max and min values.

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

CHANGES IN STATION NAMES

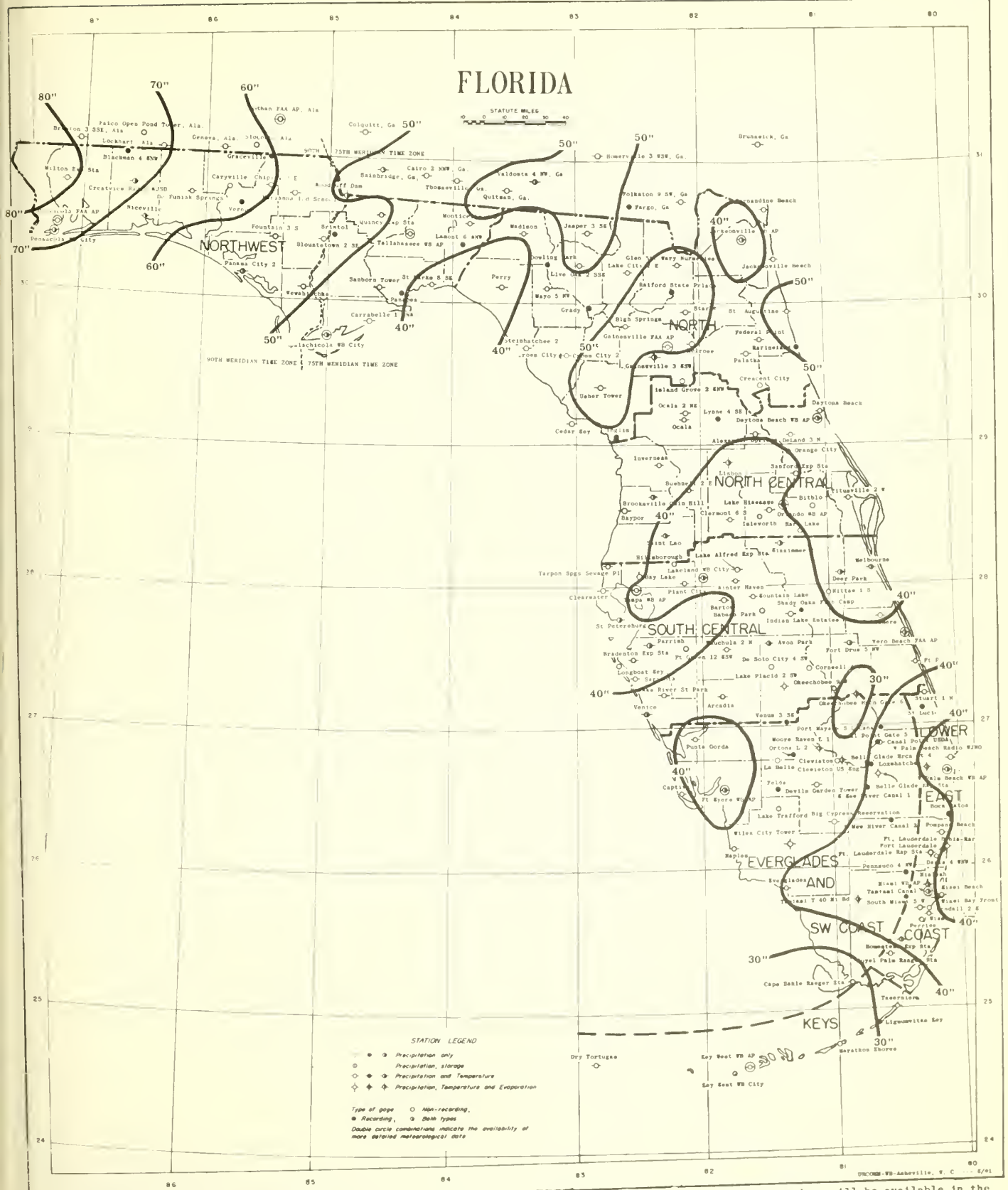
<u>NEW NAME</u>	<u>OLD NAME</u>	<u>DATE</u>
FELDA	FELDA 2 N	May 1961
NAPLES CARIB GARDENS	NAPLES	June 1961
SOUTH MIAMI 5 W	SOUTH MIAMI 3 W	April 1961

RELOCATION AND CHANGES OF EQUIPMENT

BAYPORT	Temperature and rain gage equipment moved 200 yards W	October 4, 1961
BIG CYPRESS RESERVATION	Temperature and rain gage equipment moved 100 feet SE	October 10, 1961
CEDAR KEY	Temperature and rain gage equipment moved 150 feet ENE	May 25, 1961
DOWLING PARK	All equipment moved 0.5 mile S	March 2, 1961
LOXAHATCHEE	Evaporation equipment removed	October 11, 1961
MILES CITY TOWER	Evaporation equipment removed	July 1, 1961
NAPLES CARIB GARDENS	All equipment moved 2.7 miles NE	June 16, 1961
PARRISH	All equipment moved 0.9 mile N	May 4, 1961
SOUTH MIAMI 5 W	All equipment moved 2.5 miles WNW	April 1, 1961

TOTAL PRECIPITATION

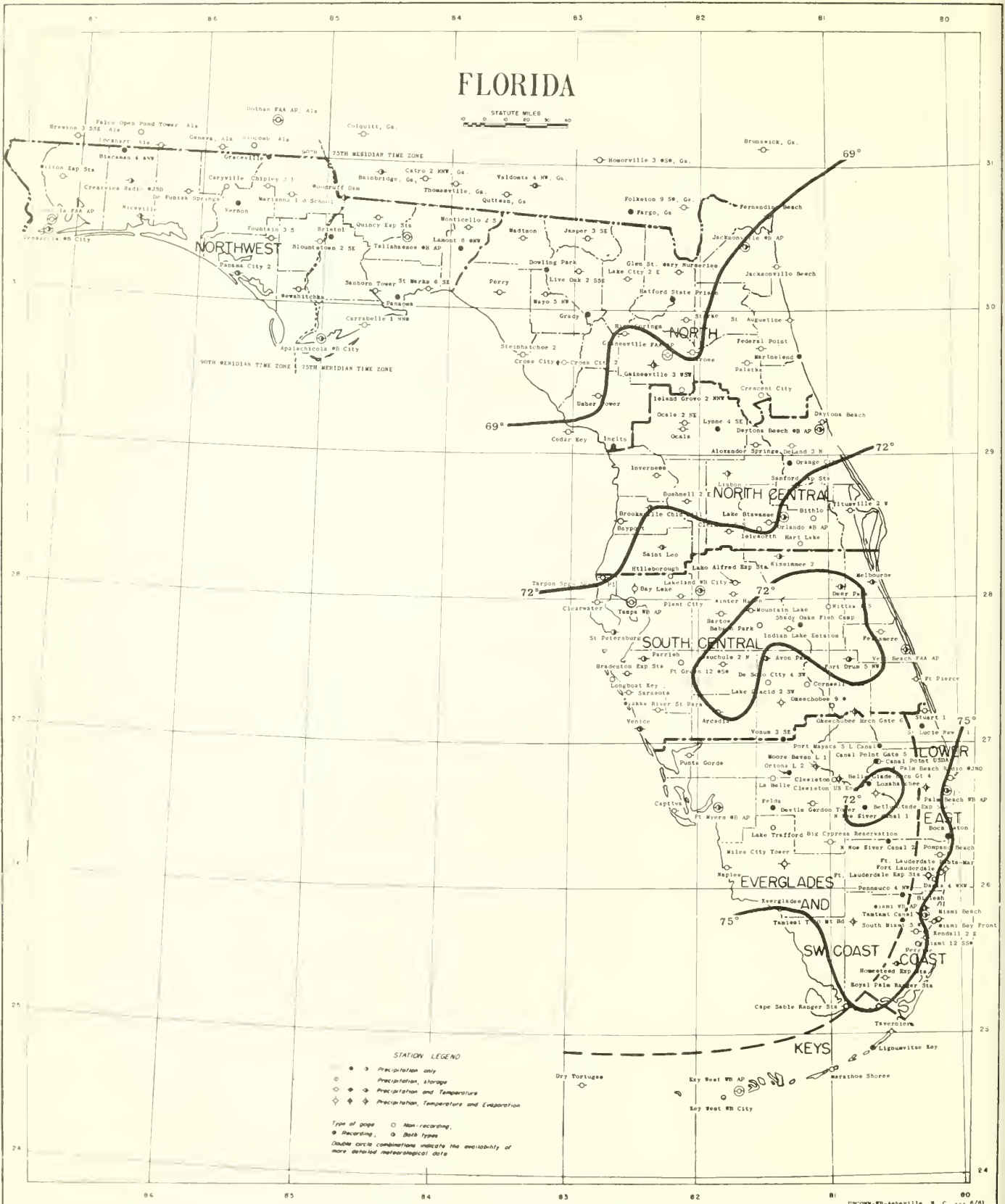
FLORIDA
1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Climatological divisions, outlined on the maps in this bulletin became effective with data for May 1956.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record.

+ Also earlier date (dates) or months.

* Amount included in following measurement.

Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

B Adjusted to full month.

C Data for recorder stations denoted by "C" in the "Refer to tables" column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder - only stations may be found in the annual issue of "Hourly Precipitation Data".

E Amount is wholly or partially estimated.

G In the "Refer to tables" column of the Station Index the letter "G" indicates that soil temperatures are published.

M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.

T Trace, an amount too small to measure.

V Includes total for previous month. V in annual column means total is for a two-year period.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks, and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 3/5/62 --- 1025

15/64/1
U. S. DEPARTMENT OF COMMERCE

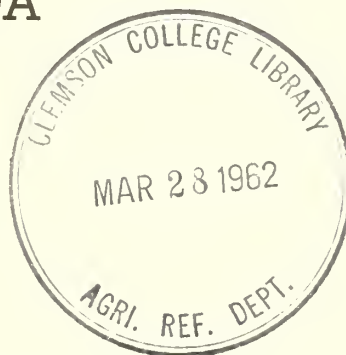
LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



JANUARY 1962

Volume 66

No. 1



FLORIDA - JANUARY 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 90° on the 23rd at Miles City Tower

Lowest Temperature: 10° on the 11th at Pensacola FAA AP

Greatest Total Precipitation: 6.53 inches at De Funiak Springs

Least Total Precipitation: 0.32 inch at Clewiston

Greatest One-Day Precipitation: 3.61 inches on the 6th at De Funiak Springs

Greatest Reported Total Snowfall: Trace at 6 stations

Greatest Reported Depth of Snow on Ground: Trace on the 12th at Jacksonville WB AP and on the 10th at Pensacola WB City

NOTE: Beginning with this issue departures from normal are based on normals calculated for the period 1931-1960.

CLIMATOLOGICAL DATA

FLORIDA
JANUARY 1962

CONTINUED

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										90° or Above		31° or Below						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										Mox.	Min.	90° or Above	31° or Below										
LAKE PLACIO 2 SW	76.7	51.4	64.1		87	24	29	13	111	0	0	2	0	.95	.28	6		.0	0	4	0	0	
MELBOURNE	74.6	52.8	63.7		85	15+	31	13	108	0	0	1	0	1.08	.29	7		.0	0	4	0	0	
MOUNTAIN LAKE	74.2	50.2	62.2	.3	84	24	29	13	152	0	0	3	0	1.16	.52	1		.0	0	4	1	0	
MYAKKA RIVER ST PARK	72.7	46.6	59.7		85	23	28	12	204	0	0	3	0	2.06	.83	7		.0	0	6	1	0	
OKEECHOBEE HRCN GATE 6	72.7	52.6	62.7		81	23+	35	3	131	0	0	0	0	.43	.18	7		.0	0	2	0	0	
PARRISH	76.5M	50.4M	63.5M		86	23+	27	13	122	0	0	1	0	1.95	.75	1		.0	0	6	2	0	
PLANT CITY	74.8	48.7	61.8	.3	86	27+	26	13	156	0	0	3	0	1.60	.51	1		.0	0	5	1	0	
ST PETERSBURG	70.5	54.0	62.3	- 1.0	85	22	36	13	138	0	0	0	0	1.87	.86	1		.0	0	5	1	0	
SARASOTA	73.9	51.1	62.5		84	22	29	13	135	0	0	1	0	1.17	.41	6		.0	0	5	0	0	
TAMPA WB AIRPORT	70.9	50.1	60.5	- .7	83	22	29	13	175	0	0	1	0	1.40	.48	1		.0	0	4	0	0	
TARPON SPGS SEWAGE PL	69.7	48.0	58.9	- 2.2	83	28+	30	14+	223	0	0	2	0	1.82	.60	1		.0	0	5	1	0	
VENICE	73.4	51.9	62.7		84	22	29	13	127	0	0	1	0	1.48	.50	6		.0	0	5	1	0	
VERO BEACH FAA AIRPORT	73.0	54.4	63.7		84	15+	33	13	108	0	0	0	0	.44	.14	21		.0	0	1	0	0	
WAUCHULA 2 N	76.3	50.6	63.5		87	23	27	13	126	0	0	3	0	1.07	.55	6		.0	0	2	1	0	
WINTER HAVEN	75.5	49.4	62.5		87	27	31	4	144	0	0	2	0	1.71	.67	1		.0	0	5	1	0	
DIVISION			62.4	.0										1.27	.82			.0					
EVERGLADES AND SW COAST																							
BELLE GLADE EXP STA	76.5	50.5	63.5	.3	85	20	30	13	122	0	0	2	0	1.82	.01	.71	7	.0	0	5	1	0	
BIG CYPRESS RESERVATN	77.9M	48.0M	63.0M		87	25	33	13+	150	0	0	0	0	.71	.39	7		.0	0	3	0	0	
CANAL POINT USDA	76.4	53.2	64.8		86	28	35	4	73	0	0	0	0	1.22	.45	15		.0	0	4	0	0	
CAPE SABLE RANGER STA	74.7	58.4	66.6		82	18	40	3	68	0	0	0	0	3.71	1.93	25		.0	0	7	2	1	
CAPTIVA	72.4M	57.1	64.8M		82	24	37	13	81	0	0	0	0	.96	.28	6		.0	0	5	0	0	
CLEWISTON U S ENG	74.9	54.5	64.7		87	28	39	3	99	0	0	0	0	1.56	.83	20		.0	0	4	1	0	
DEVILS GARDEN TOWER	78.6	51.3	65.0		87	25+	29	13	92	0	0	1	0	1.43	.45	24		.0	0	4	0	0	
EVERGLADES	78.5	54.2	66.4	- .2	86	23+	35	13	74	0	0	0	0	1.00	.45	1		.0	0	5	0	0	
FORT MYERS WB AP	77.1	53.3	65.2	1.7	88	22	32	13	96	0	0	1	0	.43	.19	6		.0	0	2	0	0	
LA BELLE	78.6	51.9	65.3		88	25+	29	13	103	0	0	3	0	.84	.34	7		.0	0	3	0	0	
MILES CITY TOWER	79.7	51.2M	65.5M		90	23	31	13	90	1	0	1	0	.90	.31	6		.0	0	4	0	0	
MOORE HAVEN LOCK 1	76.5	50.2	63.4	.0	86	25+	30	13	134	0	0	3	0	.88	.42	7		.0	0	3	0	0	
NAPLES CARIB GARDENS	77.4	54.1	65.8		87	22	33	13	90	0	0	0	0	.88	.33	7		.0	0	3	0	0	
PUNTA GORDA	78.5	54.9	66.7	1.9	89	22	34	13	62	0	0	0	0	1.03	.45	6		.0	0	3	0	0	
TAMIAMI TRL 40 MI BENO	80.2	55.0	67.6		88	25	35	3	55	0	0	0	0	1.46	.33	1		.0	0	7	0	0	
DIVISION			65.2	.5										1.26	.37			.0					
LOWER EAST COAST																							
FORT LAUDERDALE	77.1	59.8	68.5	.7	82	27+	39	13+	52	0	0	0	0	.74	.28	12		.0	0	4	0	0	
FT LAUDERDALE BAHIA MAR	78.0	60.0	69.0		83	26	37	13	45	0	0	0	0	1.99	.79	14		.0	0	5	2	0	
FT LAUDERDALE EXP STA	77.7	54.9	66.3		83	28+	30	3	76	0	0	1	0	1.90	.90	14		.0	0	7	1	0	
HIALEAH	77.2M	56.3	66.8M		86	7	36	13+	78	0	0	0	0	1.77	.78	22		.0	0	5	1	0	
HOMESTEAD EXP STA	77.6	55.3	66.5	.9	85	15	33	3	74	0	0	0	0	1.42	.39	19		.0	0	5	0	0	
LOXAHATCHEE	79.5	53.0	66.3		87	24+	32	3	75	0	0	1	0	.96	.64	15		.0	0	3	1	0	
MIAMI BAYFRONT PARK	76.2	62.2	69.2		84	8	39	13	47	0	0	0	0	1.81	.75	12		.0	0	6	1	0	
MIAMI BEACH	75.4	63.5	69.5	.4	82	8	43	13	41	0	0	0	0	1.45	.34	12		.0	0	7	0	0	
MIAMI WB AIRPORT	76.4	59.8	68.1	1.2	82	19+	38	3	58	0	0	0	0	1.46	.50	21		.0	0	6	1	0	
MIAMI 12 SSW	76.4	57.0	66.7	.2	82	21+	36	3	76	0	0	0	0	1.84	.42	7		.0	0	8	0	0	
POMPANO BEACH	77.9	59.1	68.5		85	16	36	13+	56	0	0	0	0	.96	.16	28+		.0	0	6	0	0	
ROYAL PALM RANGER STA	78.3	53.0	65.7		86	20	33	3	78	0	0	0	0	1.26	.44	1		.0	0	4	0	0	
SOUTH MIAMI 5 W	78.1	56.8	67.5		84	20+	33	3	66	0	0	0	0	1.44	.48	21		.0	0	4	0	0	
STUART 1 N	75.4	56.3	65.9		84	15	34	13	72	0	0	0	0	1.39	.29	7		.0	0	7	0	0	
W PALM BEACH RADIO WJNO	76.3M	60.7	68.5M		85	8	37	13	64	0	0	0	0	.50	.18	2		.0	0	3	0	0	
WEST PALM BEACH WB AP	76.5	57.9	67.2	.3	84	27	36	3	69	0	0	0	0	1.23	.69	9		.0	0	3	1	0	
DIVISION			67.5	.6										1.38	.78			.0					
KEYS																							
DRY TORTUGAS	74.3	66.0	70.2		81	27	55	13	12	0	0	0	0	1.83				.0	0			0	
KEY WEST WB AIRPORT	74.5	65.0	69.8	.2	82	19	54	13+	24	0	0	0	0	.95	.63	1		.0	0	2	1	0	
MARATHON SHORES	76.4	63.6	70.0		83	23+	49	4	30	0	0	0	0	1.96	.95	1		.0	0	4	1	0	
TAVERNIER	75.6	63.2	69.4		80	26+	45	13	39	0	0	0	0	2.29	.86	1		.0	0	4	2	0	
DIVISION			69.9	-.3										1.76	.05			.0					

DAILY PRECIPITATION

FLORIDA
JANUARY 1962

Continued

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
SANFORD EXP STATION	1.14	.24				.26	.06					.31	.24																				.01	.02	
SARASOTA	1.17	.10				.41	.02					.13	.27																					.18	
SOUTH MIAMI 5 W	1.44	.27	.04												.09																				.10
STARKE																																			
STEINHATCHEE 2						.67																													
STUART 1 N	1.39	.07				.21	.29					.18	.16			.01																		.12	
TALLAHASSEE WB AP	1.68	T			.06	.71	.18				.05					.02																		.64	
TAMIAAMI TRL 40 MI BEND	1.46	.33			.02		.12						.09																					.18	
TAMPA WB AIRPORT	1.40	.48			.46		T				.01	.26	.03																					.14	
TARPON SPGS SEWAGE PL	1.82	.60				.40						.17	.40																					.15	
TAVERNIER	2.29	.86			T		.46	.02				.78	.05																					.12	
USHER TOWER	1.59				.40		.10					.70	.34																					.15	
VENICE	1.48	.20			.50		.06	.04				.13	.41																					.14	
VERO BEACH FAA AIRPORT	.44	.04			T		.07				T	T	T			.05																		.09	
WAUCHULA 2 N	1.07					.55						.08	.33			.08	.02																	.01	
W PALM BEACH RADIO WJNO	.50	T	.18	T			.10	T	T		.02	T	.04																					T	
WEST PALM BEACH WB AP R	1.23	.15			T	T	.05	T		.69		.02	T			.02	.27																	.03	
W WAHITCKA	1.96	*			*		.60				T		.35	T		.13																		1.00	
WINTER HAVEN	1.71	.67				.37	.10					.24	.20			.02	.03																	.08	
WOODRUFF DAM	2.45	.27				.01		.26			.07							.15																1.68	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation					Percent of possible sunshine	Average sky cover entries to nearest		
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199			200 and over	Total
APALACHICOLA WB CITY	-	-	8.0	33	SE	5	-	-	-	-	4	2	2	0	1	0	9	69	5.5
DAYTONA BEACH WB AIRPORT	N	13	9.1	36++	W	6	86	89	66	77	9	3	3	0	0	0	15	-	6.5
FORT MYERS WB AIRPORT	-	-	9.6	27++	N	12	84	89	57	73	4	4	2	0	0	0	10	-	5.3
JACKSONVILLE WB AIRPORT	N	12	9.5	36	SW	6	89	90	65	76	4	5	3	2	0	0	14	38	6.9
KEY WEST WB AIRPORT	NE	14	11.2	30	N	12	81	83	69	79	4	5	1	1	0	0	11	71	4.8
LAKELAND WB CITY	-	-	7.7	-	-	-	-	-	-	-	6	0	5	0	0	0	11	59	5.5
MIAMI WB AIRPORT	ESE	14	9.7	27++	S	6	80	86	62	75	6	1	5	1	0	0	13	56	5.7
ORLANDO WB AIRPORT	NNE	11	9.7	23++	WNW	28+	90	92	61	71	5	1	4	0	0	0	10	-	5.9
PENSACOLA WB CITY	-	-	10.3	26	N	10+	-	-	-	-	4	9	1	2	1	0	17	55	-
TALLAHASSEE WB AIRPORT	S	12	10.5	32++	SSW	6	91	92	67	76	7	5	1	2	0	0	15	-	6.3
TAMPA WB AIRPORT	N	12	11.5	31++	W	28+	85	88	61	74	5	2	4	0	0	0	11	67	5.8
WEST PALM BEACH WB AIRPORT	NNW	14	10.3	27++	SSE	6	83	88	61	74	7	4	2	1	0	0	14	-	5.8
City Office Data																			

DAILY TEMPERATURES

FLORIDA JANUARY 1962

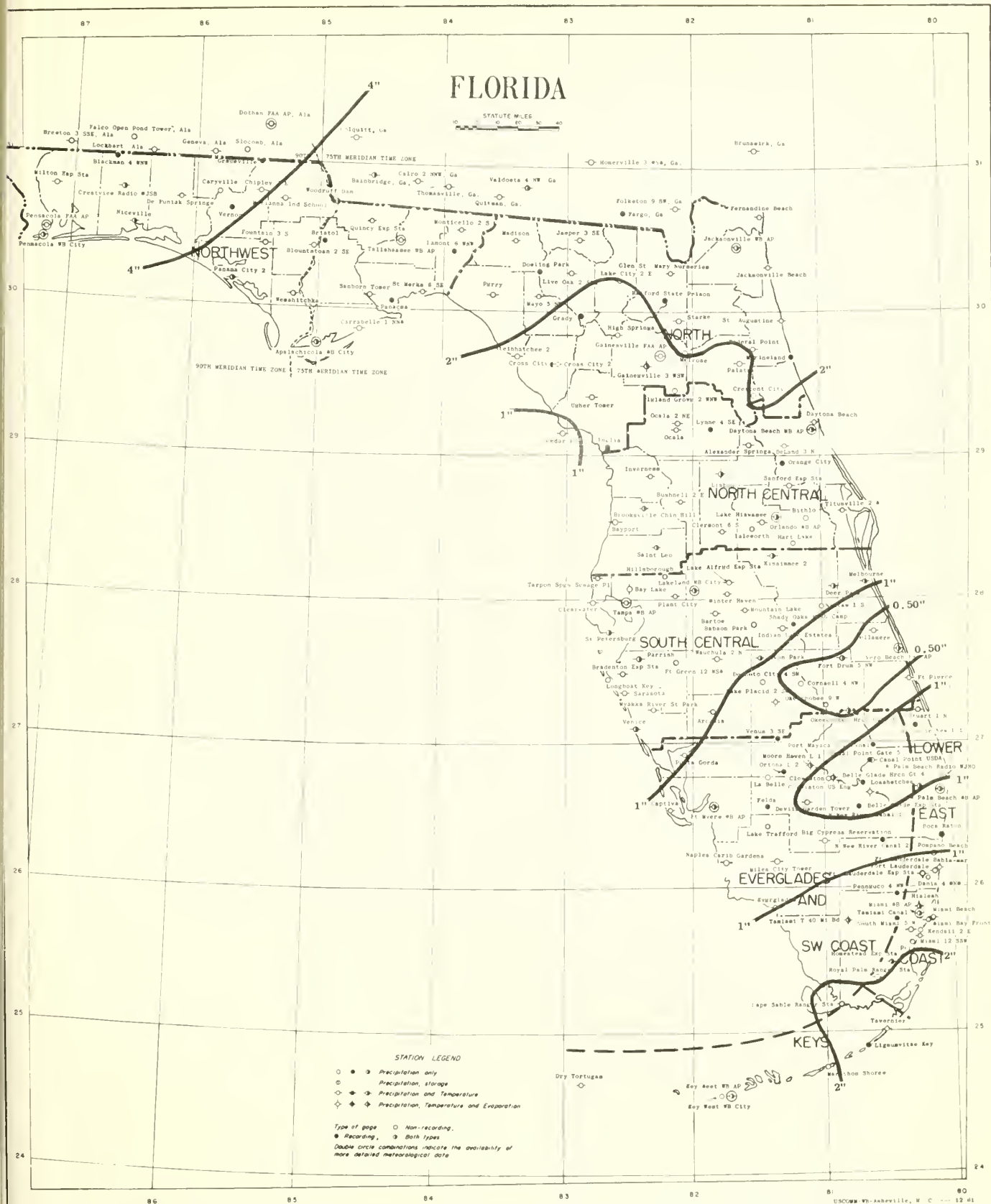
Continued

Table with columns: Station, Day Of Month (1-31), Average. Rows include stations like FOPT PIERCE, FOUNTAIN 3 S, GAINESVILLE 3 WSW, etc.

See reference notes following Station Index.

TOTAL PRECIPITATION

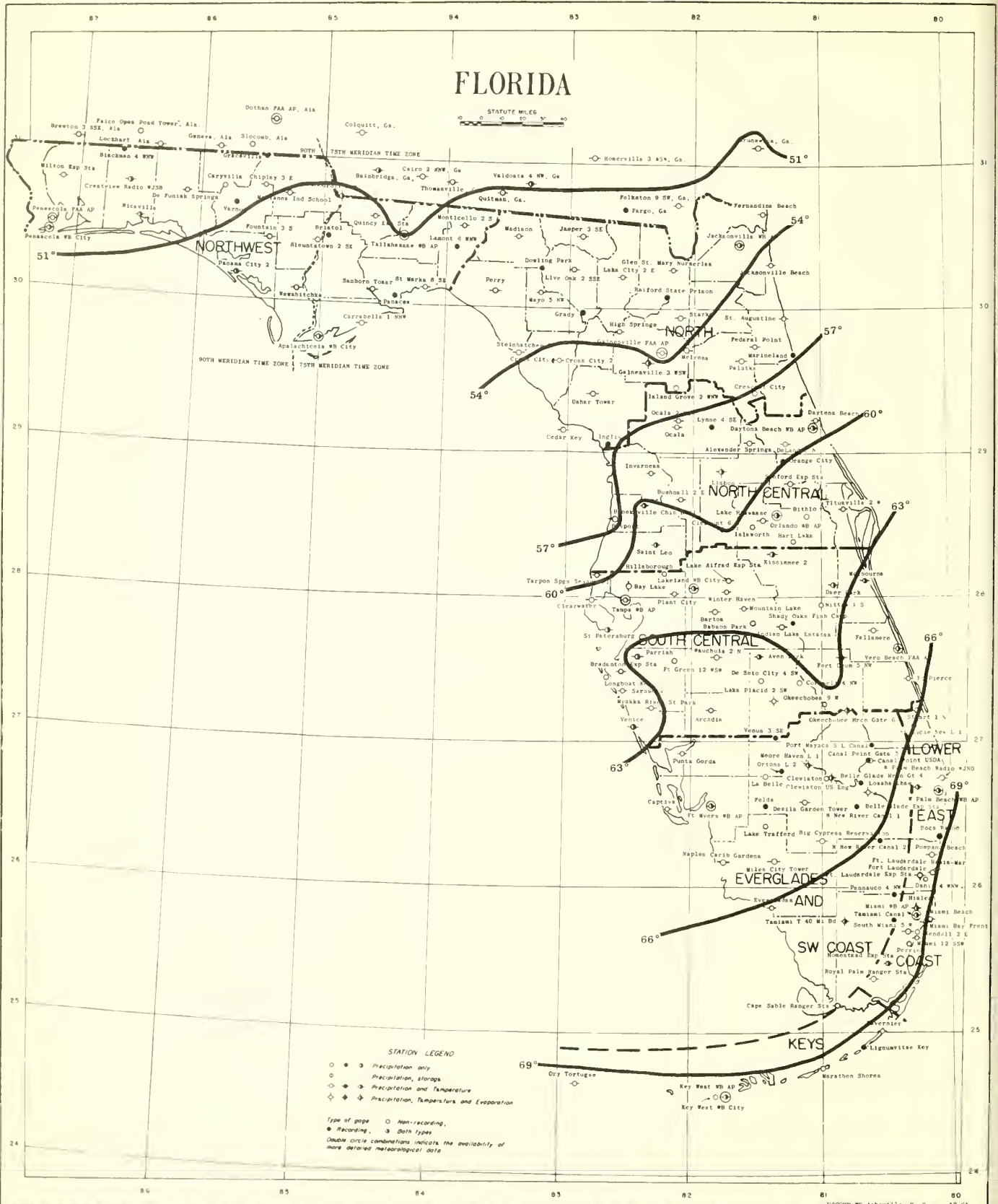
FLORIDA
JANUARY 1962



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
JANUARY 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:DD a.m., EST of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 2D cents per copy, monthly and annual; \$2.5D per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE

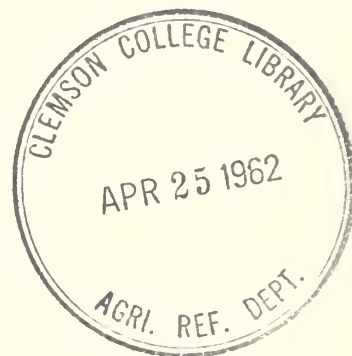
LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



FEBRUARY 1962

Volume 66 No. 2



FLORIDA - FEBRUARY 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 24th at Avon Park

Lowest Temperature: 26° on the 7th at Crestview Radio WJSB and
Jasper 3 SE

Greatest Total Precipitation: 4.33 inches at Milton Exp Station

Least Total Precipitation: 0.03 inch at South Miami 5 W

Greatest One-Day Precipitation: 2.74 inches on the 10th at Lake
Hiawassee

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are checked for accuracy and completeness and placed on punch cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.

DAILY PRECIPITATION

FLORIDA
FEBRUARY 1962

Continued

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
SAINT LEO	.65				T	.10				.30	.25																								
SAINT MARKS & SE	1.57				T	.10	.11			.22	.07						.71		.26						.08										
ST PETERSBURG	1.39				T	.23				.64	.21						.31																		
SANBORN TOWER	2.61				T	.12				.06						1.14		.65																	
SANFORD EXR STATION	.82									.45	.21					.16									.64										
SARASOTA	.93					.27	.18			.01	.47						.47																		
SOUTH MIAMI 4 W	.03								T	.02							T											T							
STEINHATCHEE 2	.98									.98																				.01					
STUART 1 W	.77					.16	.09			.41	.01																								
TALLAHASSEE WB AP	2.43				.05	T	.46			.06	.04						.78		.79					.21	.04		T								
TAMiami TRl 40 MI BENO	.50								.43	.07																									
TAMPA WB AIRPORT	1.46				T	T	.15			.50							.81		.17																
TARDON SPOGS SEWAGE PL	.92									.34	.41																								
TAVERNIER	.54									.32																									
TITUSVILLE 2 W	1.38					.53				.17	.68																								
USHER TOWER	.12									.02																									
VENICE	.36									.14																									
VERO BEACH FAA AIRPORT	1.01					.04	.01			.02	.70						.24																		
WAUCHULA 2 N	.58					.17	.18		T	.11						T	.12																		
W PALM BEACH RADIO WJND	.28								T	.23																									
WEST PALM BEACH WB AP R	1.19						T	1.05	T	T	.14	T																							
WEWAHITCHKA					.05						.98																								
WINTER HAVEN	1.55					.10	.23			.54	.20						.46	.02																	
WOODRUFF OAM	4.04					T	.04	.38		.02	.33						.88	T																	

SUPPLEMENTAL DATA

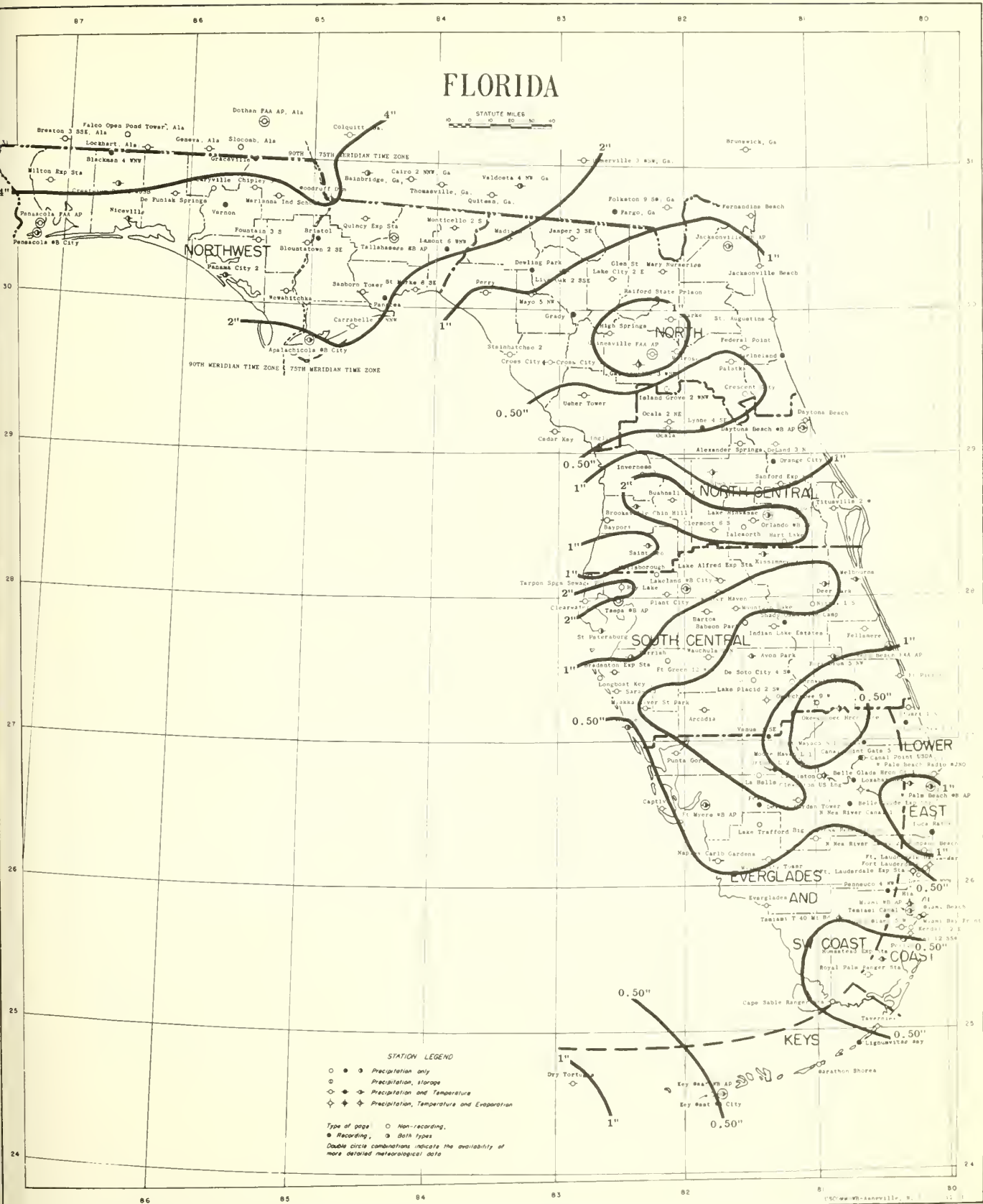
Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
APALACHICOLA WB CITY	-	-	8.2	30	N	6	-	-	-	-	1	2	4	1	0	0	8	73	5.3
DAYTONA BEACH WB AIRPORT	WSW	11	8.8	25++	W	6	86	86	55	73	3	2	0	1	0	0	6	-	5.5
FORT MYERS WB AIRPORT	-	-	8.4	23++	NNE	10+	86	90	50	72	1	1	0	1	0	0	3	-	4.4
JACKSONVILLE WB AIRPORT	SW	15	9.1	26	SW	9	88	92	51	67	2	4	2	0	0	0	8	53	6.0
KEY WEST WB AIRPORT	SE	18	9.9	29	NW	10	81	84	66	75	4	1	2	0	0	0	7	87	3.6
LAKELAND WB CITY	-	-	7.3	-	-	-	-	-	-	-	1	1	2	1	0	0	5	72	5.3
MIAMI WB AIRPORT	SE	17	9.2	25++	NNE	11	85	89	52	70	5	3	0	0	0	0	8	76	4.5
ORLANDO WB AIRPORT	S	12	9.0	29++	WSW	10	86	90	50	60	3	1	1	0	1	0	6	-	5.0
PENSACOLA WB CITY	-	-	7.4	22	N	6	-	-	-	-	2	5	6	1	0	0	14	64	-
TALLAHASSEE WB AIRPORT	S	22	9.7	29++	S	23+	95	94	62	74	3	4	2	2	0	0	11	-	5.8
TAMPA WB AIRPORT	SSE	11	10.1	25++	NNW	10	86	89	59	71	2	0	1	2	0	0	5	79	4.9
WEST PALM BEACH WB AIRPORT	SSE	14	9.3	27++	NW	10	87	93	53	71	9	0	1	0	1	0	11	-	4.4

City Office Data

See reference notes following Station Index.

TOTAL PRECIPITATION

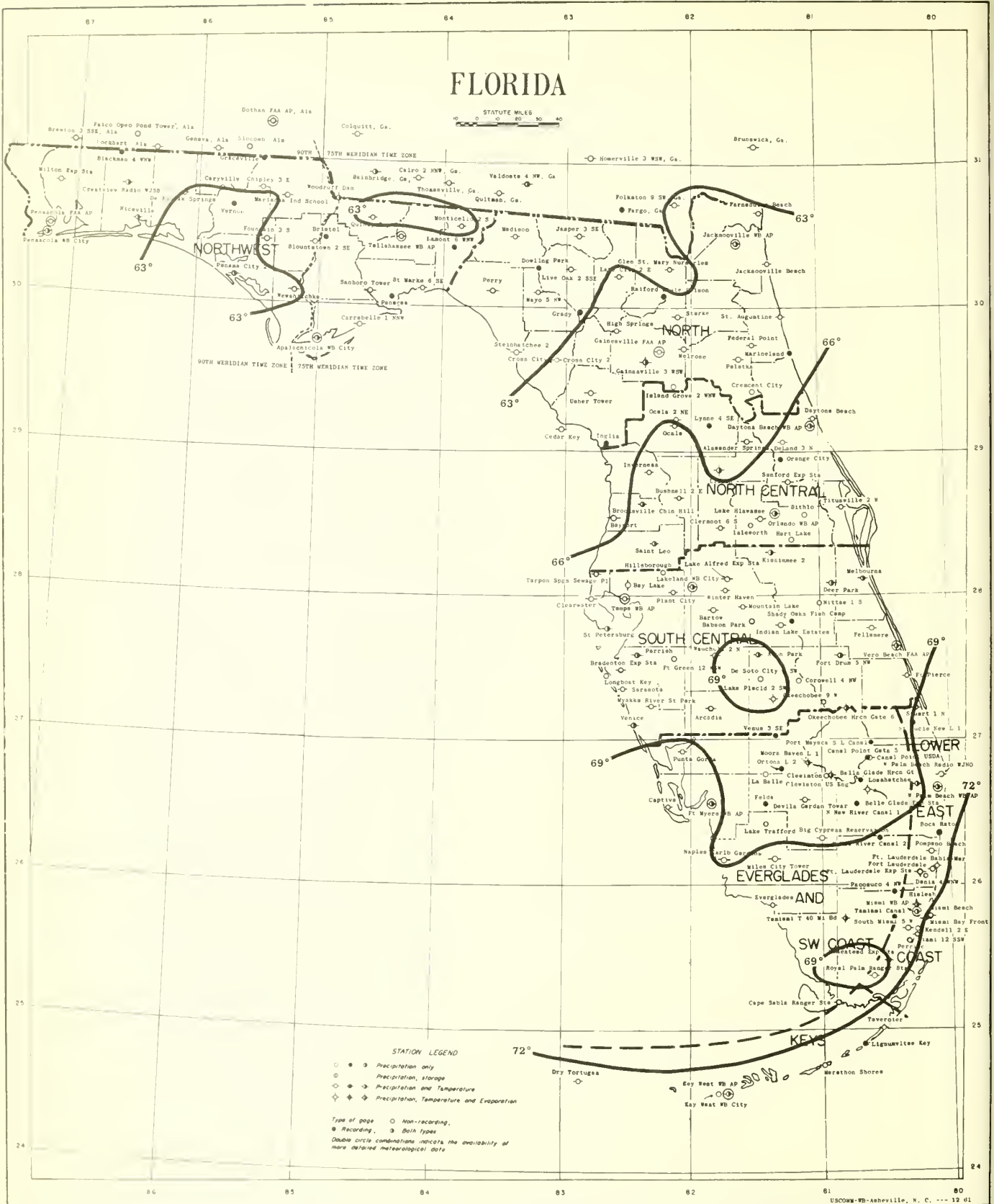
FLORIDA
FEBRUARY 1962



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AVERAGE TEMPERATURE

FLORIDA
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- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Include total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 4/5/62 --- 900





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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

MARCH 1962
Volume 66 No. 3



FLORIDA - MARCH 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 22nd at Fellsmere

Lowest Temperature: 24° on the 6th at Wewahitchka

Greatest Total Precipitation: 13.35 inches at Madison

Least Total Precipitation: 0.68 inch at Marathon Shores

Greatest One-Day Precipitation: 8.90 inches on the 31st at Madison

DAILY PRECIPITATION

FLORIDA
MARCH 1962

Continued

Station	Total	Day of Month																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
ST PETERSBURG	6.81			.27		.02							.09		.08	2.63	1.62						.19	1.19		.51	.21									
SANBORN TOWER	3.36		.98										.04			.66							.74													
SANFORD ESP STATION	2.59		.02											.01	.13	.07	1.19							1.05		.03	.09								2.90	
SARASOTA	3.34				T	.06								.07	.36	T	.07								.86		1.54	.02								
SOUTH MIAMI 5 W	2.67		T	.23		.32	1.10										T							.41	T		.43							.18		
STARKE																																				
STEINMATCHEE 2	3.46		.57								.98		.21			.84																				
STUART 1 N	3.53					.02					T	T		.01				.07	.07																.02	
TALLAHASSEE WB AP	10.66		.17	1.19	.07	.02							.05	T		.40	1.19					.01	T	T		.07									7.09	
TAMIAMI TRL 40 MI BEND	3.65				.08	.11	1.31										.10								.45										.40	
TAMPA WB AIRPORT	4.22		.20		T	T	T							T	.07	.03	1.11	.79																		
TARPON SPGS SEWAGE PL	3.88			.22	.06		.66								.26	.05	.09	2.00	.06						.11	.95		.02	.48	1.56	T			T		
TAVERNIER	1.06					.66																														
TITUSVILLE 2 W	3.80														.22	.09	1.91								1.14		.24	.20							.05	
USHER TOWER	3.56			.30									.13		.20	.50	.20							1.20	.20		.33	.50								
VENICE	2.91			.06										.11			.29									.55		1.42	.48							
VEPO BEACH FAA AIRPORT	2.94															T	.12								.40	.45	1.70	.27								
WAUCHULA 2 N	3.77				.16		.14							.14			.40							.01	1.10		1.46									
W PALM BEACH RAOLD WJNO	4.25					.05		.14								.02	.10																			
WEST PALM BEACH WB AP R	4.43			T	.05	.04								T		.06										.71		1.77	1.60							
WENAHITCHEA			.90	T									.10			.20						.10	T												8.53	
WINTER HAVEN	3.84					T							.03		.09	.17	.05	1.87	.02																.10	
WOODRUFF OAM	2.53		.82	.36	T								.01			.93	.02						.04				1.04	.17	.30						.08	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed				Relative humidity averages				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset			
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	percent		percent		Trace	01-09		10-49		50-99			100-100		
							1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST		01-09	10-49	50-99	100-100	Total					
APALACHICOLA WB CITY	-	-	9.8	30	NW	5	-	-	-	-	5	1	3	3	0	0	0	12	74	5.8	
DAYTONA BEACH WB AIRPORT	NW	11	10.5	31++	WNW	6	83	86	57	70	3	7	4	1	0	0	15	-	6.0		
FORT MYERS WB AIRPORT	-	-	11.0	32++	N	23	77	79	48	65	3	2	1	3	0	0	9	-	5.0		
JACKSONVILLE WB AIRPORT	NW	14	10.9	42	SW	21	78	85	48	62	5	5	1	2	1	0	14	51	5.5		
KEY WEST WB AIRPORT	SE	15	13.0	36	NW	6	75	76	64	72	4	2	2	1	0	0	9	80	4.7		
LAKELAND WB CITY	-	-	8.8	-	-	-	-	-	-	-	3	3	2	1	2	0	11	59	5.6		
MIAMI WB AIRPORT	ESE	10	11.7	31++	WNV	6	78	81	52	65	6	0	3	3	0	0	12	81	5.1		
ORLANDO WB AIRPORT	WNW	9	11.1	29++	WNV	6+	80	85	52	61	6	0	4	1	2	0	13	-	5.5		
PENSACOLA WB CITY	-	-	11.1	33	W	5	-	-	-	-	1	5	1	3	1	0	11	65	-		
TALLAHASSEE WB AIRPORT	S	12	12.0	31++	NNW	5	91	91	59	68	5	5	3	0	2	1	16	-	6.2		
TAMPA WB AIRPORT	S	14	12.8	41++	NW	6	79	85	53	66	7	3	2	1	2	0	15	63	5.9		
WEST PALM BEACH WB AIRPORT	WNW	11	11.9	42++	NNW	25	81	82	50	62	3	3	0	1	2	0	9	-	5.4		

3 City Office Data

DAILY TEMPERATURES

FLORIDA MARCH 1962

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like ALEXANDER SPRINGS, APALACHICOLA WB CITY, ARCADIA, AVON PARK, BARTOW, BAYPORT, BELLE GLADE EXP STA, BIG CYPRESS RESERVATN, BLOUNTSTOWN 2 SE, BRAENTON EXP STATION, BROOKSVILLE CHIN HILL, BUSHNELL 2 E, CANAL POINT USDA, CAPTIVA, CARRABELLE 1 NNW, CEDAR KEY, CHIPLEY 3 E, CLEARWATER, CLERMONT 6 S, CLEWISTON U S ENG, CRESTVIEW RADIO WJSB, CROSS CITY 2, DAYTONA BEACH, DAYTONA BEACH WB AP, DEER PARK, DE FUNIAK SPRINGS, DE LAND 3 N, DEVILS GARDEN TOWER, DRY TORTUGAS, EVERGLADES, FEDERAL POINT, FELLSMERE, FERNANDINA BEACH, FLAMINGO RANGER STATION, FORT DRUM 5 NW, FORT LAUDERDALE, FT LAUDERDALE BAHIA MAR, FT LAUDERDALE EXP STA.

See reference notes following Station Index.

DAILY TEMPERATURES

FLORIDA MARCH 1962

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various locations like FORT MYERS, GAINESVILLE, etc., with their respective temperature data.

See reference notes following Station Index.

TOTAL PRECIPITATION

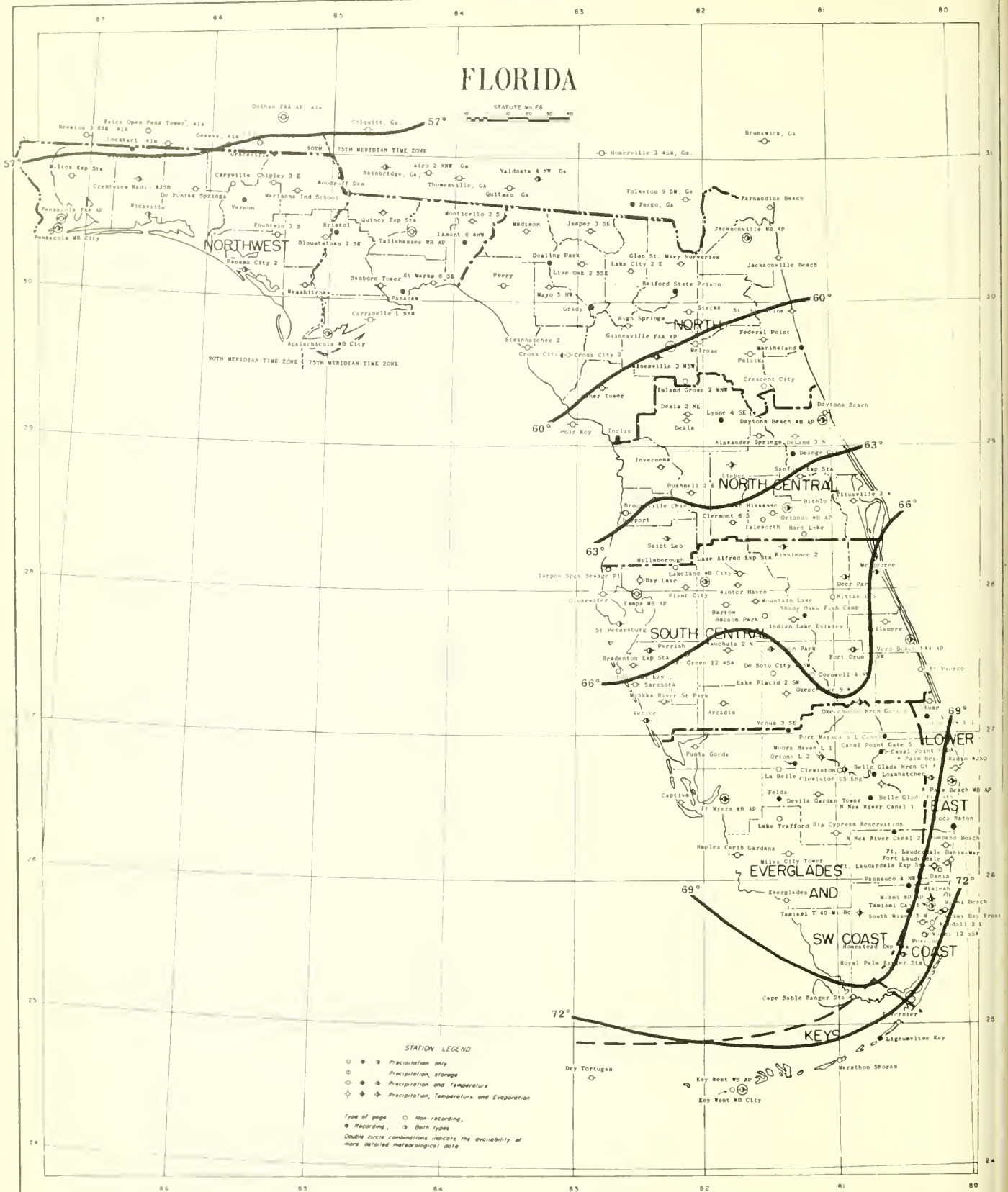
FLORIDA
MARCH 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
MARCH 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

/) Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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USCOMM-WB-Asheville, N. C. --- 5/3 62 --- 900

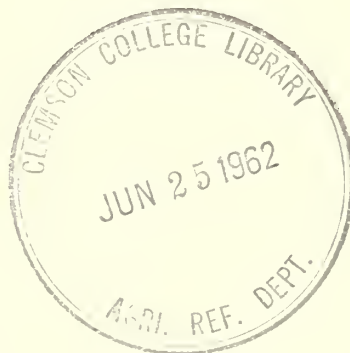




12/8 60/4
U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



APRIL 1962
Volume 66 No. 4



FLORIDA - APRIL 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 30th at Ocala 2 NE

Lowest Temperature: 28° on the 17th at Usher Tower

Greatest Total Precipitation: 11.40 inches at Jasper 3 SE

Least Total Precipitation: 0.50 inch at Miles City Tower

Greatest One-Day Precipitation: 10.20 inches on the 1st at Jasper 3 SE

CLIMATOLOGICAL DATA

FLORIDA
APRIL 1962

CONTINUED

Station	Temperature										Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
										95° or Above	90° or Above	32° or Below	30° or Below												
FORT PIERCE INOIAN LAKE ESTATES	78.7 M	61.7 M	70.2 M	- 2.4	86	27	47 17	42 17	9	0	0	0	0	3.19	- 1.13	2.76	7	.0	0				3	1	1
KISSIMMEE 2 LAKE ALFRED EXP STA LAKELAND W8 CITY LAKE PLACIO 2 SW MELBOURNE	84.2 81.4M 80.1 84.6 80.5	57.6 54.8M 59.7 58.5 60.3	70.9 68.1M 69.9 71.6 70.4	- .3 - 3.3 - 1.6	91	10	42 17 37 17	29 17 19 27	14 6 2 2	0 0 0 0	0 0 0 0	0 0 0 0	1.38 1.50 1.18 1.02 1.57	- 1.96 - 2.03 - 2.33	.56 .61 .59 .41 .50	1 7 7 2 8	.0 .0 .0 .0 .0	0 0 0 0 0				4	1	0	
MOUNTAIN LAKE MYAKKA RIVER ST PARK OKEECHOBEE HRCN GATE 6 PARRISH PLANT CITY	82.5 81.3M 78.7 83.6	57.7 54.2M 61.1 56.2	70.1 67.8M 69.9 69.9	- 1.5	90	30+	37 17 38 17	30 17 14 17	20 3 0 6	0 0 0 0	0 0 0 0	2.02 5.01 1.93 1.65	- 1.30 - 1.30 - 1.96	.68 3.16 .94 1.61 .70	2 8 8 7 7	.0 .0 .0 .0 .0	0 0 0 0 0				5	2	0		
ST PETERSBURG SARASOTA TAMPA WB AIRPORT TARPOON SPGS SEWAGE PL VENICE	79.7 81.9 79.9 78.0 79.4	62.6 57.2 58.9 56.4 58.3	71.2 69.6 69.4 67.2 68.9	- 1.9 - 2.0 - 3.9	90	30	50 17 41 17 40 17	17 17 19 0 0 0	9 1 14 2 0 0	0 0 0 0	0 0 0 0	2.05 4.25 1.43 1.22 6.10	- 1.16 - 1.16 - 1.41 - 2.14	1.28 1.74 .91 .85 4.28	7 7 7 8 7	.0 .0 .0 .0 .0	0 0 0 0 0				4	1	1		
VERO BEACH FAA AIRPORT WAUCHULA 2 N WINTER HAVEN	78.6 84.1 82.7	61.5 57.1 56.8	70.1 70.6 69.8		86	10	45 17 39 17	17 16 7 17	0 0 0 4	0 0 0 0	0 0 0 0	2.49 6.94 1.74		2.07 2.50 .65	7 7 7	.0 .0 .0	0 0 0				3	1	1		
OIVISION EVERGLADES AND SW COAST			69.8	- 2.0									2.52	- .86			.0								
BELLE GLADE EXP STA BIG CYPRESS RESERVATN CANAL POINT USOA CAPTIVA CLEWISTON U S ENG	81.2 83.7M 82.4 79.4 82.6	57.3 54.0M 56.6 64.3 62.0	69.3 68.9M 69.5 71.9 72.3	- 1.5	89	11	42 17 43 17 51 15	21 27 10 0 1	0 2 1 0 3	0 0 0 0	0 0 0 0	4.84 1.09 4.08 1.48 2.29	1.55	1.98 .49 1.45 .60 .53	8 8 27 8 27	.0 .0 .0 .0 .0	0 0 0 0 0				5	3	2		
DEVILS GARDEN TOWER EVERGLADES FLAMINGO RANGER STATION FORT MYERS WB AP LA BELLE	84.7 83.2 80.1 83.7 84.6	56.2 59.8 63.9 60.8 57.6	70.5 71.5 72.0 72.3 71.1	- 2.5	93	27	42 15 46 17 52 17 40 17	14 7 3 0 3 4 0 8	7 0 3 0 0 0	0 0 0 0	0 0 0 0	1.12 .65 1.80 1.37 1.61	- 1.94	.49 .55 .60 .52 .52	2 9 2 2 11	.0 .0 .0 .0 .0	0 0 0 0 0				3	0	0		
MILES CITY TOWER MOORE HAVEN LOCK 1 NAPLES CARIB GARDENS PUNTA GORDA TAMIAMI TRL 40 MI BENO	85.3M 82.7 82.5 84.5 85.9	55.1M 59.0 58.2 61.2 57.1	70.2M 70.9 70.4 72.9 71.5		94	29+	42 15+ 45 17 50 17 47 17	11 15 6 0 0 2	0 3 1 0 4 8	0 0 0 0	0 0 0 0	.50 2.60 1.02 1.37 .73	- .71	.45 1.24 .60 .53 .56	7 8 2 2 8	.0 .0 .0 .0 .0	0 0 0 0 0				1	0	0		
OIVISION LOWER EAST COAST			71.0	- 1.9									1.77	- 1.21			.0								
FORT LAUDERDALE FT LAUDERDALE BAHIA MAR FT LAUDERDALE EXP STA HIALEAH HOMESTEAD EXP STA	81.5 81.1 82.2 82.1 82.7	67.0 64.9 60.9 65.3M 59.5	74.3 73.0 71.6 73.7M 71.1	.0	88	14	54 16 53 17 45 17 90 9	1 6 6 1 3	0 0 0 0	0 0 0	0 0 0	5.10 5.90 5.58 .95 1.37	.91	2.74 2.65 3.12 .40 .68	1 1 10 8 7	.0 .0 .0 .0 .0	0 0 0 0 0				3	2	2		
LOXAHATCHEE MIAMI BAYFRONT PARK MIAMI BEACH MIAMI WB AIRPORT MIAMI 12 SSW	84.0 79.7 79.1 80.4 81.2	58.6 69.2 70.0 65.7 64.1	71.3 74.5 74.6 73.1 72.7	- .3	90	30+	42 15 58 17 58 17 53 17	5 0 0 0 0	5 0 0 0	0 0	0 0	2.79 1.83 2.15 1.19 2.58	- .77	1.10 .81 .72 .46 1.20	8 8 14 7 27	.0 .0 .0 .0 .0	0 0 0 0 0				4	2	1		
POMPANO BEACH ROYAL PALM RANGER STA SOUTH MIAMI 5 W STUART 1 N W PALM BEACH RADIO WJNO	81.7 83.1 82.3 80.5 80.0	63.5 58.9 61.3 62.9 65.4	72.6 71.0 71.8 71.7 72.7		89	13	52 17+ 46 17 50 17 48 17	1 3 2 2 5 0	0 1 2 2 0 0	0 0 0	0 0	6.90 2.17 4.54 2.56 2.97		1.87 1.24 3.13 1.66 1.40	10 2 26 8 8	.0 .0 .0 .0 .0	0 0 0 0 0				5	4	4		
WEST PALM BEACH WB AP OIVISION KEYS	80.7	64.5	72.6	- 1.3	86	13	51 17	3	0	0	0	1.90	- 2.44	.75	8	.0	0					5	2	0	
OIVISION			72.6	- 1.0									3.16	- .74			.0								
ORY TORTUGAS KEY WEST WB AIRPORT MARATHON SHORES TAVERNIER	80.4 80.6 81.8 80.9	69.7 70.7 69.3 68.6	75.1 75.7 75.6 74.8	- .1	86	12	62 4 64 17 60 17 58 17	0 0 0 0	0 0 0	0 0	0 0	1.00 .92 1.12 2.14	- 1.56	.55 .39 .65 1.40	2 7 8 2	.0 .0 .0 .0	0 0 0 0				3	1	0		
OIVISION			75.3	- 1.3									1.30	- .99			.0								

DAILY PRECIPITATION

FLORIDA
APRIL 1962

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SAINT AUGUSTINE	1.61	1.31					T						.03																.20		.07	
SAINT LEO	1.11	.21					.65																						.25		.45	
SANT MARKS & SE	4.25	4.50					.35					.57			.11																	
ST PETERSBURG	2.05	.29	.35				.45																									
SANBORN TOWER	9.79	8.20											.42	.03													.03			.60		
SANFORD EXP STATION	1.19	.11							.14	T																						
SARASOTA	4.25	.27	1.17						1.74	1.07																						
SOUTH MIAMI 5 W	4.54	T	.49	T					.12	.56	T																					
TARKEE	6.06	2.04																														
TEINHATCHEE H. CAIN TWR																																
TUART 1 N	2.56		.47																													
TALLAHASSEE WB AP	2.44	.07					.95	.40	.01				.56		T																	
TAMiami TrL 40 MI BEND		.73	.03					.14	.56																							
TAMPA WB AIRPORT	1.43	.52	T					.91	T				T																			
TARPOUN SPGS SEWAGE PL	1.22	.10	.10					.10	.85				.02																			
TAVERNIER	2.14	1.40							.54					.16	.04																	
TITUSVILLE 2 W	3.14	.16	.19					.28																								
TJESPER TOWER	2.16	.92	.10					.04					.70																			
TENICE	6.10	.57	1.09					4.28	.16																							
VERO BEACH FAA AIRPORT	2.49	T	.15				T		2.07		.02		.01																			
WAUCHULA 2 N	6.94		.70					2.50	.43			1.37																				
W PALM BEACH RADIO WJMO	2.97		.24	T	T			.01	1.40	.20																						
WEST PALM BEACH WB AP R	1.90	T	.16		T	T		.30	.75	.14																						
W WHITCKA	7.20	5.20	T				.13						.35																			
WINTER HAVEN	1.74	.59						.65	.23																							
WOODRUFF DAM	8.92	4.80						.37	.74				1.00																			

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time others prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 P EST	7:00 P EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
APALACHICOLA WB CITY	-	-	8.1	32	E	29	-	-	-	-	2	2	1	2	0	0	7	86	3.9
DAYTONA BEACH WB AIRPORT	ESE	10	9.7	25++	ESE	5	78	80	51	64	1	2	2	0	0	0	5	-	5.4
FORT MYERS WB AIRPORT	-	-	9.4	23++	WSW	1	84	86	46	60	2	0	3	1	0	0	6	-	5.8
JACKSONVILLE WB AIRPORT	N	11	8.6	40	W	12	75	81	38	55	3	3	1	1	1	0	9	78	4.4
KEY WEST WB AIRPORT	ESE	18	13.4	29	N	14	73	75	61	68	2	3	2	0	0	0	7	82	6.4
LAKELAND WB CITY	-	-	7.6	-	-	-	-	-	-	-	0	2	0	2	0	0	4	74	5.0
MIAMI WB AIRPORT	ESE	15	11.7	23++	NE	21+	73	77	56	66	7	2	3	0	0	0	12	510	6.9
ORLANDO WB AIRPORT	ESE	10	10.0	21++	S	7+	79	81	44	58	1	3	2	1	0	0	7	-	5.1
PENSACOLA WB CITY	-	-	9.9	24	SE	5	-	-	-	-	0	2	3	0	2	0	7	79	-
TALLAHASSEE WB AIRPORT	S	15	10.1	29++	S	6	89	93	50	58	3	4	2	2	0	0	11	-	4.6
TAMPA WB AIRPORT	N	11	11.8	27++	NNW	13	78	80	46	59	8	0	0	2	0	0	10	72	4.9
*WEST PALM BEACH WB AIRPORT	SE	15	11.1	25++	E	5	75	79	59	66	4	2	3	2	0	0	11	-	6.8

City Office Data

TOTAL PRECIPITATION

FLORIDA
APRIL 1962



STATION LEGEND

- ● Precipitation only
- — Precipitation, storage
- | Precipitation and Temperature
- ✕ Precipitation, Temperature and Evaporation

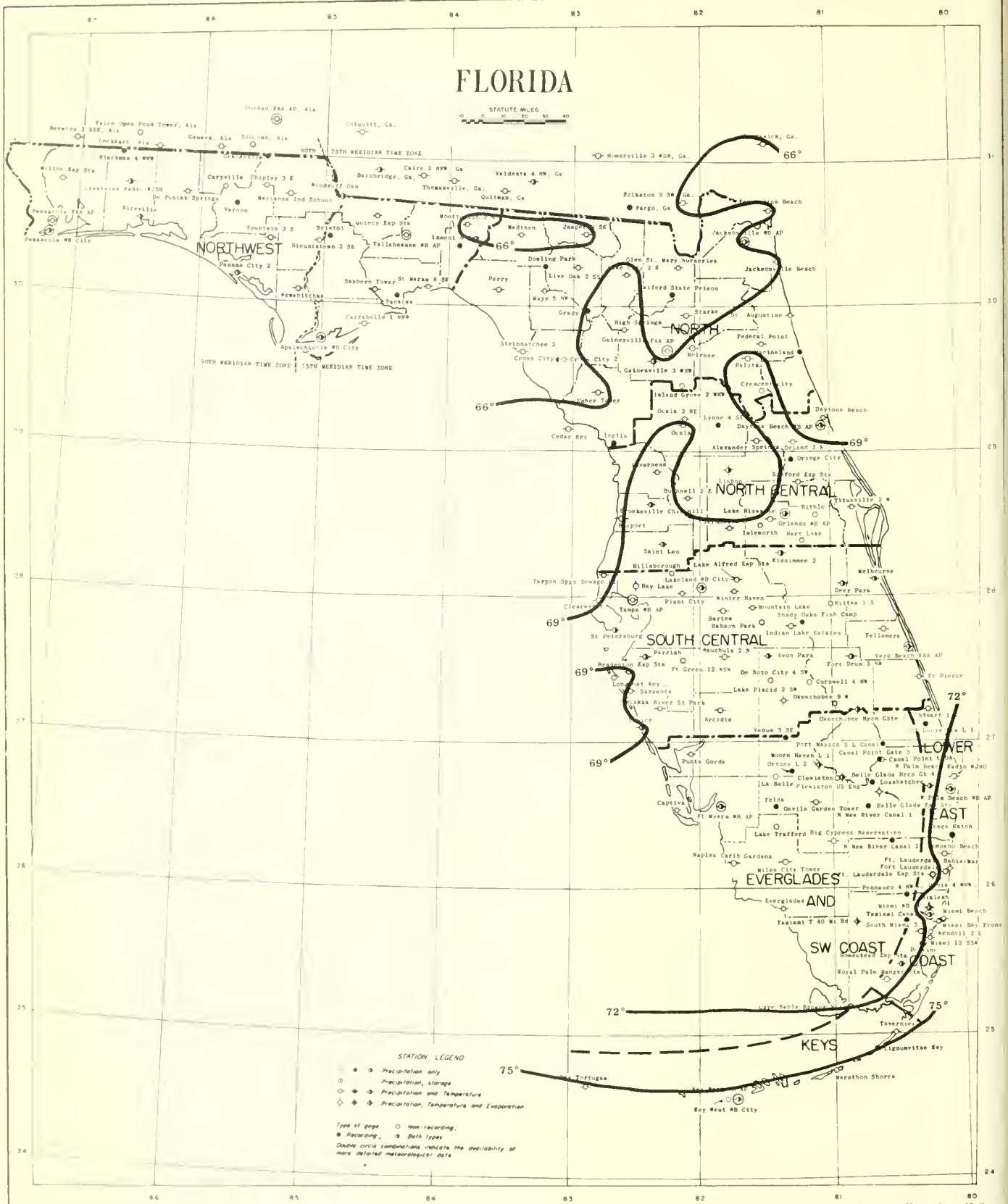
Type of page ○ Non-recording,
● Recording, ✕ Both types

Double circle combinations indicate the availability of more detailed meteorological data

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
APRIL 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

/ Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 6/5/62 --- 900



27.12/1-64/5

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



MAY 1962
Volume 66 No. 5



FLORIDA - MAY 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 106° on the 28th at Monticello 2 S

Lowest Temperature: 46° on the 7th at Usher Tower and on the
5th at Fountain 3 SSE

Greatest Total Precipitation: 6.59 inches at Bushnell 2 E

Least Total Precipitation: 0.05 inch at Blountstown 2 SE

Greatest One-Day Precipitation: 3.44 inches on the 31st at
Naples Carib Gardens

CLIMATOLOGICAL DATA

FLORIDA
MAY 1962

Station	Temperature										Precipitation																	
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										90° or Above	80° or Above	70° or Above	60° or Above	50° or Above					Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
NORTHWEST																												
APALACHICOLA WB CITY	R	84.9	69.6	77.3	2.5	91 22+	60	3	0	4	0	0	0	0	1.08	- 1.80	.95	12	.0	0	2	1	0					
BLOUNTSTOWN 2 SE		93.0	63.9	78.5	3.3	100 21	54	5	0	25	0	0	0	.05	- 5.07	.05	6	.0	0	0	0	0	0					
CHIPLEY 3 E		91.1	63.6	77.4		96 29+	53	5+	0	23	0	0	0	1.85		1.17	31	.0	0	0	4	1	1					
CRESTVIEW RAOIG WJSB		93.5	63.2	78.4		99 20	51	3	0	26	0	0	0	.80		.80	12	.0	0	0	1	1	0					
DE FUNIAK SPRINGS		95.1	64.3	79.7	3.9	101 20	52	3	0	28	0	0	0	.26	- 4.67	.18	17	.0	0	0	1	0	0					
FOUNTAIN 3 SSE																												
FOUNTAIN 3 SSE		95.2M	59.9	77.1M		102 26	46	5	0	0	0	0	0	.40		.23	29	.0	0	0	2	0	0					
MARIANNA IND SCHOOL		92.2	63.9	78.1	3.4	97 29+	54	6	0	23	0	0	0	1.54	- 2.76	.77	29	.0	0	0	4	2	0					
MILTON EXP STATION		91.2	62.7	77.0		97 20	48	3	1	22	0	0	0	.28		.28	17	.0	0	0	1	0	0					
MONTICELLO 2 S		94.9	63.1	79.0	4.4	106 28	52	3	0	24	0	0	0	1.92	- 1.78	.85	31	.0	0	0	4	2	0					
NICEVILLE		99.5	62.0	75.8		96 21+	52	6	0	18	0	0	0	.52	- 3.48	.52	12	.0	0	0	1	1	0					
PANAMA CITY 2																												
PANAMA CITY 2		87.2	67.8	77.5	2.6	95 16	57	3	0	7	0	0	0	.80	- 2.22	.42	11	.0	0	0	2	0	0					
PENSACOLA FAA AIRPORT		87.7	68.1	77.9		95 20	58	3	0	11	0	0	0	.64		.64	11	.0	0	0	1	1	0					
PENSACOLA WB CITY	R	86.1	65.9	78.0	3.4	92 16	58	3	0	4	0	0	0	.08	- 4.35	.08	11	.0	0	0	0	0	0					
QUINCY EXP STATION		92.7	64.5	78.6	4.5	100 20	52	5	0	23	0	0	0	.65	- 3.73	.52	31	.0	0	0	1	1	0					
SAINT MARKS 6 SE		91.2	64.6	77.9		99 21+	55	6+	0	17	0	0	0	.10		.10	5	.0	0	0	1	0	0					
SANBORN TOWER																												
SANBORN TOWER		92.9	60.8	76.9		98 29+	48	3	0	21	0	0	0	1.61		1.00	13	.0	0	0	2	2	1					
TALLAHASSEE WB AP		92.0	64.1	78.1	3.2	98 28	53	6	0	21	0	0	0	.98	- 3.12	.46	30	.0	0	0	3	0	0					
#WAHITCHKA		92.9	62.6	77.8		97 28+	52	5	0	26	0	0	0	.44		.32	11	.0	0	0	2	0	0					
WOOPUFF DAM		91.2	65.6	78.4		96 26+	55	6+	0	22	0	0	0	1.02		.50	13	.0	0	0	3	1	0					
DIVISION																												
DIVISION																												
NORTH																												
CEGAR KEY																												
CEGAR KEY		86.4M	68.9M	77.7M	.3	92 28	62	6+	0	0	0	0	0	.95	- 1.07	.95	31	.0	0	0	1	1	0					
CROSS CITY 2																												
CROSS CITY 2		94.1	62.3	78.2		101 28+	51	7	0	26	0	0	0	2.03		1.93	31	.0	0	0	2	1	1					
FEDERAL POINT																												
FEDERAL POINT		92.3	64.8M	78.6M		103 26	53	7	0	20	0	0	0	2.32	- .96	1.70	30	.0	0	0	2	1	1					
FERNANDINA BEACH																												
FERNANDINA BEACH		97.9	66.4	77.2	1.9	100 21	55	7	0	12	0	0	0	1.31	- 1.85	1.03	29	.0	0	0	3	1	1					
GAINESVILLE 3 WSW																												
GAINESVILLE 3 WSW		92.5	63.0	77.8	2.0	99 28+	49	7	0	23	0	0	0	2.19	- 1.29	.41	21	.0	0	0	7	0	0					
GAINESVILLE FAA AP																												
GAINESVILLE FAA AP		90.8	63.0	76.9		98 27+	48	7	0	20	0	0	0	2.04		.78	29	.0	0	0	5	1	0					
GLEN ST MARY NURSERIES																												
GLEN ST MARY NURSERIES		91.7	60.5	76.1	2.0	98 28+	47	6	0	23	0	0	0	1.53	- 2.10	.45	24	.0	0	0	4	0	0					
HIGH SPRINGS																												
HIGH SPRINGS		95.6M	63.7M	79.7M		103 28	51	7	0	0	0	0	0	3.17		1.68	30	.0	0	0	5	2	1					
JACKSONVILLE WB AR																												
JACKSONVILLE WB AR	R	90.2	66.3	78.3	2.5	99 20	54	7+	0	16	0	0	0	1.12	- 2.35	.65	30	.0	0	0	3	1	0					
JACKSONVILLE BEACH		85.3	67.4	76.4		96 20	58	7+	0	7	0	0	0	.65		.21	22	.0	0	0	3	0	0					
JASPER 3 SE																												
JASPER 3 SE		94.4	60.6	77.5		100 28	50	6+	0	26	0	0	0	1.77		.35	23+	.0	0	0	7	0	0					
LAKE CITY 2 E																												
LAKE CITY 2 E		93.9	62.8	78.4	3.0	100 28+	52	7	0	24	0	0	0	2.19	- 1.20	.74	24	.0	0	0	6	2	0					
LIVE OAK 2 ESE																												
LIVE OAK 2 ESE		92.3	61.4	76.9		100 27	51	7	0	22	0	0	0	2.28		.58	10	.0	0	0	8	2	0					
MAISON																												
MAISON		94.1	64.4	79.3	3.6	101 28+	53	3	0	25	0	0	0	1.62	- 1.24	.96	30	.0	0	0	2	2	0					
MAYO 5 NW																												
MAYO 5 NW		92.7	63.4	78.1		99 28	52	7	0	23	0	0	0	4.82		1.85	11	.0	0	0	5	3	2					
MELROSE																												
MELROSE																												
PALATKA																												
PALATKA		92.7	67.1	79.9	3.1	103 27	52	7	0	20	0	0	0	3.53	.19	1.48	31+	.0	0	0	5	2	2					
PERRY																												
PERRY		92.9M	63.0M	78.0M		99 28	51	4	0	24	0	0	0	2.98		2.00	29	.0	0	0	3	2	1					
SAINT AUGUSTINE																												
SAINT AUGUSTINE		87.7	65.3	76.5	1.4	96 27+	53	7	0	11	0	0	0	1.81	- 1.04	1.47	20	.0	0	0	2	1	1					
STARKE																												
STARKE																												
STEINHATCHEE MCCAIN TWP																												
STEINHATCHEE MCCAIN TWP		90.0	61.7	75.9		97 29+	50	7	0	16	0	0	0	.09		.05	31	.0	0	0	0	0	0					
TISHER TOWER																												
TISHER TOWER		92.5	60.5	76.5		100 22	46	7	0	25	0	0	0	4.83		2.20	30	.0	0	0	7	3	2					
DIVISION																												
DIVISION																												
NORTH CENTRAL																												
ALEXANDER SPRINGS																												
ALEXANDER SPRINGS		92.2	62.4	77.3		101 26	50	7	0	22	0	0	0	4.99		1.45	31	.0	0	0	7	3	2					
JAYPORT																												
JAYPORT		86.6	65.9	76.3		92 30+	55	6	0	4	0	0	0	.41		.20	6	.0	0	0	1	0	0					
BROOKSVILLE CHIN HILL																												
BROOKSVILLE CHIN HILL		91.9	66.3	79.1	2.4	100 28	52	6	0	23	0	0	0	1.34	- 2.19	.61	23	.0	0	0	4	1	0					
BUSHNELL 2 E																												
BUSHNELL 2 E		92.4	62.4	77.7		100 28+	49	7	0	24	0	0	0	6.59		2.80	28	.0	0	0	5	3	2					
CLERMONT 6 S																												
CLERMONT 6 S		92.7	65.8	79.3	1.8	100 28+	56	7	0	23	0	0	0	1.20	- 2.18	.38	28	.0	0	0	3	0	0					
DAYTONA BEACH																												
DAYTONA BEACH		84.5	67.6	76.1		94 22	60	8+	0	5	0	0	0	.51		.30	18	.0	0	0	2	0	0					
DAYTONA BEACH WB AP																												
DAYTONA BEACH WB AP	R	87.6	65.7	76.7	2.5	97 22	56	7	0	11	0	0	0	.16	- 2.68	.10	6	.0	0	0	1	0	0					
DE LANO 3 N																												
DE LANO 3 N		91.0	64.9	78.0	2.1	100 27+	55	7	0	17	0	0	0	.54	- 2.79	.44	28	.0	0	0	2	0	0					
DUNNVERNESS																												
DUNNVERNESS		92.8	64.5	78.7	2.3	99 28	53	6	0	26	0	0	0	2.20	- 1.47	1.00	29	.0	0	0	6	1	1					
LAKE HIAWASSEE																												
LAKE HIAWASSEE		90.0	65.3	77.7		98 29+	56	8	0	17	0	0	0	2.88		1.03	29	.0	0	0	5	3	1					
LEESBORO																												
LEESBORO		90.9	65.0	78.0		99 27	54	7	0	18	0	0	0	1.41		.52	31	.0	0	0	5	1	0					
MICALA																												
MICALA		94.9	66.3	80.6		102 27+	54	7	0	29	0	0	0	.47		.22	30	.0	0	0	2	0	0					
MICALA 2 NE																												
MICALA 2 NE		94.9M	63.2	79.1M		103 22	49	7	0	28	0	0	0	1.22		.64	29	.0	0	0	2	1	0					
MILANDBO WB AIRPORT																												
MILANDBO WB AIRPORT	R	91.7	67.8	79.8		100 27	61	8+																				

DAILY PRECIPITATION

FLORIDA
MAY 1962

Continued

Station	Total	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ST PETERSBURG	1.76	.10			.04	.23					.55			1.00	.26																.49	.54	.10		
SANBORN TOWER	1.61				.06																		.02							.05	.09	.05	1.28		
SANFORD EXP STATION	1.89																														.32	.45	.45		
SARASOTA	1.82	T																															.04		
SOUTH MIAMI 5 W	1.01			T	.10	.48	.24	.08																											
STARKE	-																																		
STEINHATCHEE MCCAIN TWR	.09																																		
STUART 1 N	1.44				.73	.71						.04																					.05		
TALLAHASSEE WB AP	.98				.05																														
TAMPA MIAMI TRL 40 MI BENO	6.36		.05	.50	.98	.74	.42																										1.26		
TAMPA WB AIRPORT	2.76				.82																												.70		
TARPOW SPGS SEWAGE PL	1.17																																.04		
TAVERNIER	.99				.15	.18	.12																										.46		
TITUSVILLE 2 W	.75				.41																												1.26		
USHER TOWER	4.83				.18								.75	.40	.20																	2.20	.10		
VENICE	4.98				.42	.08																											1.85	2.55	
VERO BEACH FAA AIRPORT	1.46		.01		.54	.69	.18																											T	
WAUCHULA 2 N	6.27		.10	.94																														.10	.11
W PALM BEACH RADIO WJNO	1.41				.04	1.11	.24	T																										T	
WEST PALM BEACH WB AP R	3.70			T	.04	1.25	1.38	.19																										.44	
WEWAHITCHA	.44												.32																					.12	
WINTER HAVEN	4.60	.05	.03		.15	.51							.22																				1.57	.97	
WOODRUFF OAM	1.02				.15								.02	.50																				T	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset		
	Prevailing	Percent of days prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total	
APALACHICILA WB CITY	-	-	7.2	28	E	14	-	-	-	-	1	0	1	1	0	0	3	94	2.9	
DAYTONA BEACH WB AIRPORT	E	10	9.3	23++	NNE	18	83	81	53	65	5	1	1	0	0	0	7	-	5.2	
FORT MYERS WB AIRPORT	-	-	8.9	23++	SSE	31+	84	87	42	63	2	2	1	0	0	0	5	-	4.4	
JACKSONVILLE WB AIRPORT	SW	9	7.5	34	NE	17	78	83	42	57	4	1	2	1	0	0	8	74	4.2	
KEY WEST WB AIRPORT	ESE	18	10.1	24	SE	31	75	75	61	67	2	3	0	0	1	0	6	81	4.6	
LAKELAND WB CITY	-	-	7.2	-	-	-	-	-	-	-	2	2	5	0	1	0	10	75	4.5	
MIAMI WB AIRPORT	ENE	13	9.3	27++	NE	6	79	81	53	67	7	1	3	0	0	0	11	73	4.9	
ORLANDO WB AIRPORT	NE	12	8.8	35++	NNE	11	82	85	42	61	4	3	4	1	1	0	13	-	4.6	
PENSACOLA WB CITY	N+	-	9.3†	18	SE	14†	-	-	-	-	0	1	0	0	0	0	1	87	-	
TALLAHASSEE WB AIRPORT	E	11	8.8	23++	E	30	81	88	39	51	4	3	3	0	0	0	10	-	4.5	
TAMPA WB AIRPORT	NW	11	10.7	40++	NE	28	84	90	49	63	0	1	0	4	0	0	5	68	4.5	
WEST PALM BEACH WB AIRPORT	ENE	14	9.6	29++	NW	5	81	83	54	69	3	2	4	0	2	0	11	-	4.9	
∅ City Office Data																				
† Airport Data																				

See reference notes following Station Index

DAILY TEMPERATURES

FLORIDA
MAY 1962

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALEXANDER SPRINGS	MAX 91	93	90	85	85	84	91	93	95	96	93	88	90	87	88	92	85	88	91	97	98	98	98	95	97	101	99	98	94	87	91	92.2	
	MIN 60	63	61	55	63	57	50	53	59	60	66	65	64	60	59	60	60	62	64	60	65	72	64	65	65	72	68	66	66	67	63	62.4	
APALACHICOLA W8 CITY	MAX 79	84	81	79	78	79	86	81	86	87	82	87	82	80	81	87	84	90	86	89	91	91	90	89	88	86	86	86	85	84.9			
	MIN 65	65	60	65	64	61	66	69	68	69	71	67	73	74	70	68	71	68	72	71	74	73	72	71	73	72	72	76	75	70	69.6		
ARCADIA	MAX 91	92	90	90	88	83	87	90	92	94	93	94	93	87	86	92	89	89	91	94	95	100	94	95	95	95	99	95	93	93	93	92.0	
	MIN 63	64	62	64	64	58	55	52	57	60	63	65	65	61	64	62	63	64	57	53	61	66	64	65	70	68	68	63	63	64	62.5		
AVDN PARK	MAX 95	96	95	93	84	83	88	92	96	98	93	94	91	88	88	92	89	89	92	95	100	100	98	99	97	99	100	99	95	94	95	93.8	
	MIN 64	65	62	65	57	58	56	55	60	64	71	63	68	65	65	63	65	66	63	65	63	65	65	67	70	69	69	65	69	67	68	64.4	
BARTOW	MAX 93	93	92	90	87	82	88	92	94	95	93	93	92	87	88	91	89	89	91	94	96	95	96	94	96	96	96	96	92	92	89	92.0	
	MIN 61	62	66	65	64	59	67	59	64	67	70	66	69	64	65	65	66	66	65	64	68	72	68	69	70	73	72	71	66	67	66	66.0	
BAYPORT	MAX 85	85	83	85	86	86	85	85	83	85	83	83	86	88	87	86	90	87	85	85	86	86	88	87	88	89	88	91	92	92	89	86.6	
	MIN 65	68	66	62	64	55	62	61	65	73	67	66	64	62	63	62	63	62	66	67	65	76	72	69	69	69	70	69	67	67	67	65.9	
BELLE GLADE EXP STA	MAX 86	87	89	87	89	77	82	83	90	91	89	91	89	86	82	79	87	84	83	84	89	92	93	92	92	91	91	92	92	89	90	87.9	
	MIN 60	59	66	61	63	57	55	53	56	63	63	62	63	61	61	61	61	61	57	58	64	64	62	63	66	62	62	66	63	65	66	61.4	
BIG CYPRESS RESERVATN	MAX 91	90	93	91	90			83	86	90	93	94			85	80	85	87			88	94	94	93	95			94	94	91	92.1		
	MIN 57	61	63	60			54	51	53	63	61			62	62	59	65	59			64	65	62	61			66	67	64	65	61.3		
BLDUNTSTOWN 2 SE	MAX 89	90	84	82	85	90	89	92	95	96	96	96	98	91	85	90	97	91	97	96	100	98	96	96	95	95	97	96	97	93	92	93.0	
	MIN 59	66	58	58	54	55	57	62	61	63	62	60	68	66	64	65	65	65	67	67	68	68	66	65	70	67	66	66	69	68	67	63.9	
BRADENTON EXP STATION	MAX 85	84	86	90	83	86	83	84	84	84	86	92	94	89	89	87	93	91	87	86	88	89	88	92	93	91	89	93	94	90	93	86.5	
	MIN 63	68	64	62	65	61	54	56	60	64	64	64	65	63	66	62	66	65	61	60	66	70	69	66	66	68	67	70	67	68	67	64.4	
BROOKSVILLE CHIN HILL	MAX 96	90	89	86	86	87	92	92	92	94	92	92	90	86	88	92	87	88	90	91	93	98	94	93	96	97	97	100	97	92	92	91.9	
	MIN 65	65	63	63	65	62	61	64	64	68	69	68	65	65	65	66	65	64	66	66	70	72	68	71	73	66	67	66	67	66	66	66.3	
BUSHNELL 2 E	MAX 93	91	89	86	87	85	92	92	96	97	95	91	91	88	88	93	88	90	93	98	97	100	96	95	97	98	100	100	92	91	92	92.9	
	MIN 61	63	62	58	64	56	49	51	60	60	68	63	64	60	62	59	62	60	62	60	70	69	66	67	66	65	66	64	66	66	65	62.4	
CANAL PDINT USDA	MAX 84	91	88	91	83	78	83	84	91	91	91	90	89	85	82	86	87	87	87	90	87	88	91	93	93	94	94	91	92	91	90	88.5	
	MIN 60	58	67	65	62	60	61	54	52	61	64	60	64	65	65	64	66	68	60	56	65	67	64	62	66	60	62	64	65	66	67	62.6	
CAPTIVA	MAX 84	84	83	85	84	85	83	82	83	84	83	83	88	88	85	83	90	86	85	84	85	85	86	87	86	87	87	87	92	90	91	85.7	
	MIN 68	73	72	70	69	66	62	61	65	72	72		71	71	70	70	70	70	69	68	73	73	72	73	75	72	73	73	73	73	71	70.5	
CEDAR KEY	MAX 86	82	83	82	85	83	83	84	84	85	88	91	89	87	86	90	87											89	90	92	88	87	86.4
	MIN 70	71	62	64	65	62	63	65	71	74	68	70	69	68	68	71	67											75	75	73	68	70	68.9
CHIPLEY 3 E	MAX 88	87	78	83	85	84	88	90	90	92	90	94	93	89	90	95	93	93	94	96	95	95	93	93	94	95	95	96	92	90	91.1		
	MIN 59	64	53	54	53	55	62	61	62	60	65	62	66	65	64	63	65	61	70	69	68	68	65	69	70	67	68	65	67	66	67	63.6	
CLEARWATER	MAX 84	82	86	86	83	81	83	85	83	83	85	89	90	88	86	85	90	85	85	86	86	86	87	89	89	91	89	91	92	90	89	86.6	
	MIN 67	67	66	61	66	60	57	61	64	71	65	68	67	66	66	63	64	64	64	67	71	75	73	68	69	68	69	72	70	70	69	66.7	
CLERMONT 6 S	MAX 92	90	89	88	86	83	90	93	95	96	92	95	90	87	87	92	88	89	92	95	96	100	97	96	98	99	100	100	94	94	90	92.7	
	MIN 65	66	65	62	64	59	56	58	62	67	71	67	67	64	65	66	67	66	64	69	72	67	68	68	68	71	68	68	68	67	65	65.8	
CLEWISTON U S ENG	MAX 89	88	91	88	86	82	78	82	83	90	92	89	89	87	85	81	87	85	84	84	86	94	95	90	92	92	92	92	92	93	94	88.1	
	MIN 64	63	65	64	65	60	62	58	59	66	63	62	65	71	71	68	71	71	63	61	64	66	66	66	66	66	65	67	65	70	72	65.3	
CRESTVIEW RADIO WJSB	MAX 87	86	89	89	91	92	91	94	90	94	93	90	89	92	95	94	95	95	97	99	98	97	94	95	96	98	94	95	95	98	96	93.5	
	MIN 63	62	51	53	60	63	60	57	58	61	66	60	60	59	62	60	64	68	68	74	69	70	65	67	65	66	68	64	70	64	63	63.2	
CROSS CITY 2	MAX 93	90	88	84	90	89	92	93	95	97	90	95	94	91	89	98	93	94	96	96	101	100	99	95	100	98	98	101	94	95	89	94.1	
	MIN 60	66	54	56	58	53	51	58	60	64	63	65	65	69	60	61	60	64	60	58	62	71	68	67	66	64	65	66	66	65	64	62.3	
DAYTONA BEACH	MAX 83	87	88	79	77	78	77	82	85	89	82	79	81	81	81	81	85	79	78	81	88	94	92	90	89	89	93	90	88	87	86	84.5	
	MIN 66	67	65	62	69	66	62	60	63	66	68	65	65	68	69	67	71	71	68	65	69	73	70	70	70	72	70	71	71	69	70	67.6	
DAYTONA BEACH W8 AP	MAX 88	93	82	81	82	81	85	86	93	87	85	84	84	83	83	86	82	83	84	94	96	97	90	91	92	94	94	92	88	86	89	87.6	
	MIN 62	64	65	58	61	59	56	57	61	64	66	66	71	72	67	64	71	66	63	61	69	73	67	68	68	72	70	70	69	70	66	65.7	
DEER PARK	MAX 93	96	94	88	85	83	89	90	96	97	90	93	88	87	86	90	86	86	88	92	98	99	95	96	96	98	99	94	92	91	90	91.8	
	MIN 57	61	63	56	60	56	57	59	56	64	67	63	60	60	60	59	62	63	57	59	64	70	62	63	65	67	63	67	65	65	63	61.8	
DE FUNIAK SPRINGS	MAX 92	84	84	89	91	93	94	96	97	96	95	99	97	94	93	99	92	96	99	101	98	99	98	97	100	100	100	96	94	93	93	95.1	
	MIN 63	61	52	58	56	56	58	61	63	63	65	65	66	67	63	64	65	63	69														

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Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
FOUNTAIN 3 SSE	MAX	93	85	83	87	88	91	94	97	97	98	94	96	92	96	92	97	96	100	101	100	100	97	100	102	99	99	97	96	93	95.2		
	MIN	54	62	51	54	46	48	54	54	55	58	62	56	62	63	57	62	61	56	64	65	63	62	60	58	63	61	62	66	63	61	58.9	
GAINESVILLE 3 WSW	MAX	93	93	91	85	86	88	92	95	96	95	89	92	90	85	87	93	87	90	92	97	98	98	97	94	97	98	99	99	93	88	91	92.5
	MIN	62	62	61	60	58	52	49	56	60	64	65	65	68	63	64	62	65	60	60	63	66	67	68	67	68	68	67	66	66	66	65	63.0
GAINESVILLE FAA AP	MAX	93	91	85	80	84	84	90	93	95	95	89	90	88	85	86	92	85	89	92	94	98	95	94	93	96	98	98	97	91	84	92	90.8
	MIN	60	63	59	58	56	52	48	56	64	67	64	65	65	62	62	63	62	60	61	65	66	70	70	68	69	68	67	66	67	65	65	63.0
GLEN ST MARY NURSERIES	MAX	91	91	90	84	85	86	91	93	94	92	91	90	88	86	87	92	85	90	92	98	97	98	95	97	98	98	98	91	87	90	91.7	
	MIN	60	60	53	55	50	47	48	55	59	60	62	60	66	61	59	62	62	58	60	63	65	66	66	64	66	66	67	66	61	61	64	60.5
HIALEAH	MAX	84	85	90	90	87	85	80	82	83	87	92	89	88	85	82	80	84	82	82	83	86	88	89	90	88	88	89	80	88	87	89	86.2
	MIN	64	64	64	63	68	58	58	57	59	66	70	66	68	72	72	65	72	63	62	61	65	67	67	70	71	65	67	68	74	75	74	66.3
HIGH SPRINGS	MAX	95	92	90	89	95	96	98	97	94	96	95	93	98	98	96	90	94	96	101	99	101	96	100	101	101	103	96	94	90	95.6		
	MIN	61	63	58	56	51	61	64	65	64	65	65	65	61	63	62	60	60	61	66	70	70	67	70	70	70	70	68	65	65	65	63.7	
HOMESTEAD EXP STA	MAX	86	93	91	87	84	81	85	84	88	94	90	89	87	83	82	86	85	86	86	89	90	94	92	90	89	89	80	89	88	88	87.9	
	MIN	59	60	60	59	61	58	57	53	55	60	64	62	63	67	69	61	68	60	60	56	60	66	66	67	66	63	64	64	68	69	70	62.4
INDIAN LAKE ESTATES	MAX	92	93	92	89	88	83	88	90	93	94	93	93	91	87	88	90	89	87	90	94	95	95	95	95	95	97	97	98	94	93	90	91.9
	MIN	61	65	64	62	58	57	56	55	61	65	69	61	66	62	61	62	64	64	62	62	66	68	67	66	66	65	67	68	64	65	65	63.6
INVERNESS	MAX	90	89	89	86	91	89	90	92	94	94	93	94	91	92	90	94	89	90	91	92	94	97	94	95	98	97	98	99	95	94	95	92.8
	MIN	63	65	66	65	57	53	55	58	60	65	64	67	65	67	66	63	65	66	65	65	72	67	67	67	66	67	69	69	66	65	66	64.5
JACKSONVILLE WB AP	MAX	93	93	81	82	85	85	92	91	96	82	89	84	85	85	87	89	82	86	92	99	98	97	96	97	96	98	97	87	83	90	90.2	
	MIN	68	68	61	61	57	54	54	64	67	66	64	65	68	67	64	69	67	65	61	71	70	71	71	70	72	73	75	69	66	70	68	66.3
JACKSONVILLE BEACH	MAX	88	92	76	77	78	78	83	85	92	80	80	80	82	83	82	80	82	84	96	90	88	86	91	89	90	94	89	86	85	89	85.3	
	MIN	67	66	63	65	62	58	58	63	67	67	69	66	72	73	67	69	72	68	66	69	68	68	64	64	70	71	73	73	71	68	71	67.4
JASPER 3 SE	MAX	95	93	88	83	88	91	90	96	98	96	93	91	90	90	89	95	89	94	96	99	101	99	101	97	100	99	100	102	99	93	90	94.4
	MIN	59	60	51	52	50	50	51	58	58	61	62	62	65	61	59	63	61	58	60	63	63	68	66	66	66	65	65	65	60	62	66	60.6
KEY WEST WB AIRPORT	MAX	84	83	85	87	83	80	82	81	84	85	85	85	85	84	82	80	81	81	82	84	84	85	86	86	86	87	87	86	86	87	84.2	
	MIN	76	72	75	74	67	71	72	70	70	74	74	74	75	76	74	73	74	74	73	73	73	74	75	77	78	78	78	79	79	79	76	74.4
KISSIMMEE 2	MAX	92	95	92	89	90	90	89	92	94	95	95	92	92	92	86	89	87	88	90	92	98	97	97	97	98	98	100	95	90	93	93.1	
	MIN	63	61	65	62	60	62	58	62	60	58	67	69	60	65	70	65	62	69	68	65	60	62	74	68	69	70	70	75	74	70	72	65.7
LAKE ALFRED EXP STA	MAX	93	92	90	88	84	78	88	92	94	95	93	94	92	86	87	92	88	88	92	93	98	98	92	95	97	98	98	96	94	88	92	91.8
	MIN	62	65	65	62	63	58	53	55	63	67	67	63	66	62	63	67	64	64	63	62	68	72	65	67	66	70	68	70	67	66	63	64.4
LAKE CITY 2 E	MAX	94	93	87	86	89	89	93	96	97	94	92	94	91	88	88	97	89	93	95	100	100	100	95	98	99	99	100	93	92	90	93.9	
	MIN	61	64	57	56	54	53	52	59	60	62	63	64	66	63	61	64	65	61	60	67	66	72	67	65	68	68	68	68	64	64	64	62.8
LAKE HIAWASSEE	MAX	91	91	90	87	87	84	81	88	91	93	94	84	89	86	83	86	88	85	86	88	92	94	95	93	94	96	98	98	91	90	90.0	
	MIN	63	66	65	60	66	57	58	61	66	61	66	70	66	67	64	68	63	64	66	65	64	68	72	66	69	69	70	69	67	66	66	65.3
LAKELAND WB CITY	MAX	90	89	89	88	79	79	85	90	93	93	91	90	89	83	84	88	86	85	88	91	93	96	95	94	95	96	97	95	91	88	89	89.6
	MIN	67	69	67	65	62	58	63	63	66	67	69	68	70	68	67	68	68	67	67	67	69	69	71	71	72	73	74	64	69	69	69	67.7
LAKE PLACID 2 SW	MAX	91	95	95	92	88	83	88	91	95	97	95	93	90	86	86	91	89	89	90	93	96	95	96	97	94	98	96	96	94	93	92.4	
	MIN	63	64	62	63	63	60	56	53	58	65	67	62	70	64	67	63	66	66	61	57	64	68	64	68	69	69	70	71	68	67	68	64.4
LISBON	MAX	90	89	87	86	84	83	89	90	94	95	89	89	87	85	85	91	85	89	91	93	97	98	96	94	97	98	99	97	92	90	90	90.9
	MIN	64	66	62	59	63	58	54	59	63	66	67	66	68	63	62	64	63	64	65	65	69	78	67	67	68	68	70	68	70	69	67	65.0
LIVE OAK 2 ESE	MAX	93	90	84	85	87	87	92	94	95	95	89	91	86	88	87	94	88	93	94	97	98	98	90	94	98	99	100	99	95	91	90	92.3
	MIN	60	62	54	54	52	53	51	61	58	58	62	64	62	64	60	64	65	60	59	62	61	68	67	66	70	65	66	65	61	64	65	61.4
LOXAHATCHEE	MAX	89	92	90	90	80	82	82	84	90	94	92	91	91	83	80	88	84	84	85	89	94	95	93	96	95	95	94	95	92	93	93	89.5
	MIN	60	57	63	60	64	58	59	54	55	64	66	62	64	64	70	61	70	60	55	56	64	65	63	62	67	61	62	64	65	64	65	62.1
MADISON	MAX	94	89	85	86	90	89	93	96	97	96	91	93	91	86	90	96	89	95	95	100	99	100	100	97	99	100	101	101	97	93	90	94.1
	MIN	63	64	53	59	57	56	58	62	63	64	63	66	64	63	64	66	65	63	65	69	68	70	69	67	71	69	69	69	65	65	67	64.4
MARATHON SHORES	MAX	85	83	87	85	84	84	84	83	83	87	85	87	86	85	84	81	82	83	84	85	84	86	83	86	87	88	87	87	87	87	85.2	
	MIN	74	68	70	70	70	67	65	70	67	67	72	69	74	74	73	72	70	71	71	70	74	76	73	75	76	77	76	76	77	78	74	76
MARIANNA INO SCHOOL	MAX	91	84	80	85	87	86	91	92	93	93																						

DAILY TEMPERATURES

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Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
# PALM BEACH RADIO #JNO	MAX	83	88	85	86	83	79	80	81	85	90	88	86	85	82	79	84	84	81	82	83	92	93	86	88	86	86	88	87	87	87	82	85.0
	MIN	68	65	67	65	60	60	59	61	61	67	68	62	67	74	73	71	73	72	71	75	67	67	66	73	72	68	70	76	77	74	68.3	
#EST PALM BEACH #B AP	MAX	85	91	88	87	78	76	82	83	88	92	91	88	85	83	81	87	84	84	84	85	94	95	89	89	88	90	91	88	87	87	87	86.7
	MIN	67	65	68	67	62	62	61	59	61	69	69	67	70	75	74	68	73	73	67	63	66	68	67	72	71	68	68	71	74	73	73	68.1
#EWAHITCKA	MAX	92	87	83	86	87	89	91	92	93	94	94	95	95	90	90	96	95	95	96	96	97	97	94	92	97	96	97	97	93	92	92	92.9
	MIN	60	65	55	60	52	54	54	62	60	60	60	60	60	66	63	65	65	63	62	65	67	68	66	64	68	65	65	64	68	69	62.6	
#INTER HAVEN	MAX	92	93	90	89	86	87	88	92	92	95	90	96	89	85	85	90	87	87	90	92	96	98	96	95	95	97	98	97	93	89	90	91.6
	MIN	62	64	61	65	63	58	52	52	59	62	69	62	69	65	66	60	67	67	65	59	65	69	64	65	67	67	70	64	68	64	63.8	
#WOODRUFF DAM	MAX	88	92	81	80	86	85	85	89	91	92	92	90	95	90	88	91	95	89	94	94	96	96	95	95	92	96	95	95	95	90	91.2	
	MIN	61	67	61	57	55	55	61	63	63	64	66	63	66	66	66	67	67	63	67	69	69	72	71	67	70	69	70	72	71	68	67	65.6

EVAPORATION AND WIND

Station		Day of month																															Total Evap or Wg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.32	.27	.34	.29	.27	.24	.27	.32	.37	.34	.31	.22	.34	.29	.30	.25	.31	.25	.25	.27	.37	.35	.35	.34	.32	.35	.31	.39	.41	.35	.32	9.68
BELLE GLADE EXP STA	EVAP	.23	.25	.23	.23	.23	.17	.11	.26	.24	.22	.23	.22	.29	.23	.26	.19	.24	.26	.24	.27	.23	.21	.21	.19	.23	.23	.29	.25	.25	.26	.28	7.23
CLEWISTON US ENGRS (a)	EVAP	.22	.24	.24	.19	.22	.15	.20	.21	.18	.21	.21	.25	.08	.25	.29	.15	.19	.22	.22	.13	.35	.20	.18	.18	.23	.25	.22	.23	.25	.22	.26	6.62
	MIN	74	72	72	72	71	66	66	68	71	70	71	69	73	73	71	67	69	71	70	71	72	73	73	76	76	76	76	76	76	76	77	72.1
FT LAUDERDALE EXP STA	EVAP	.25	.22	.23	.21	.11	.20	.20	.30	.25	.28	.26	.19	.26	.27	.31	.29	.18	.25	.35	.29	.27	.22	.22	.25	.30	.27	.32	.18	.21	.36	.27	7.77
	WIND	28	17	26	16	8	57	48	58	33	16	28	33	46	46	97	68	86	66	63	36	23	40	26	21	30	40	26	33	42	26	67	1250
GAINESVILLE 3 #5W	EVAP	.32	.39	.30	.28	*	.61	.21	.32	.36	*	*	.42	.30	.38	.24	.26	.31	.28	.28	.29	.35	.40	.29	.34	.34	.39	.34	.30	.32	.28	.13	9.03
	WIND	20	35	30	20	25	30	15	15	30	30	15	20	50	35	30	35	65	30	30	20	20	25	20	35	30	30	30	25	30	30	10	865
	MAX	97	95	89	88	89	92	93	96	95	96	96	95	93	90	90	93	89	92	94	95	98	98	102	95	101	100	98	98	99	95	97	94.8
	MIN	67	67	61	62	62	59	59	64	66	65	66	68	68	66	66	66	66	65	67	69	68	71	70	70	72	72	71	71	67	68	68	66.7
HIALEAH	EVAP	.31	.22	.22	.10	.18	.25	.16	.28	.25	.29	.17	.07	.22	.25	.35	-	.14	.13	.42	.28	.28	*	.42	.26	.27	.21	.15	.38	.24	.30	.26	87.30
	WIND	51	27	27	26	34	56	45	48	39	33	40	30	25	139	105	92	111	70	54	37	40	49	30	20	32	34	39	35	36	60	62	1517
LISBON	EVAP	.20	.26	.28	.21	.18	.23	.31	.21	.28	.28	.17	.09	.40	.24	.28	.19	.19	.20	.21	.27	.28	.26	.20	.24	.28	.35	.31	.19	.29	.23	.11	7.42
	WIND	15	40	25	15	20	25	20	15	25	25	10	10	30	40	40	35	15	45	15	25	25	40	10	25	25	25	20	45	30	25	780	
MOORE HAVEN LOCK 1	EVAP	.29	.28	.21	.25	.28	.16	.23	.31	.28	.33	.28	.25	.32	.36	.23	.29	.30	.36	.33	.31	.50	.17	-	-	.25	.26	.23	.25	.35	.29	88.80	
	WIND	35	24	27	23	28	60	75	63	31	27	20	47	28	81	125	33	130	76	79	49	41	39	15	-	-	15	13	15	13	20	17	81335
OKEECHOBEE HRCN GATE 6	EVAP	.30	.35	.29	.27	.29	.47	.21	.29	.35	.39	.36	.23	.26	.35	.32	.24	.29	.28	.32	.33	.33	.33	.26	.28	.35	.41	.37	.37	.36	.16	.36	9.77
TAMIAMI TRL 40 MI BEND	EVAP	.13	.19	.26	.38	.18	.18	.23	.26	.13	.22	.22	.25	.20	.24	.13	.15	.22	.43	.14	.11	.12	.15	.12	.35	.18	.22	.20	.22	.29	.15	.27	6.52
	WIND	*	21	10	23	29	26	35	24	14	23	15	15	40	80	52	47	65	43	25	14	17	19	20	18	21	13	14	25	55	44	43	890
	MAX	86	89	87	88	78	78	81	85	90	90	87	90	84	78	79	78	80	80	81	82	83	84	84	87	88	90	91	92	90	90	88	85.1
VERO BEACH FAA AIRPORT	MIN	66	69	69	66	67	62	63	62	68	72	71	68	70	69	66	65	72	69	70	71	70	69	70	70	71	74	71	70	72	70	72	68.8
	EVAP	.25	-	.17	.37	.23	.18	.15	.26	.24	.26	.26	.33	.17	.26	.45	.32	.33	.33	.36	.31	-	.26	.20	.23	-	.25	.28	.27	.30	.20	.31	88.34
WOODRUFF DAM	EVAP	.08	.27	.44	.29	.25	.33	.24	.26	.22	.26	.41	.10	.35	.36	.35	.27	.37	.31	.22	.33	.40	.28	.25	.30	.32	.30	.31	.32	.33	.29	.30	9.11
	WIND	32	36	128	51	21	65	40	23	32	40	60	43	89	110	104	57	80	72	47	37	31	30	44	45	56	41	39	46	63	88	58	1708

- (a) Evaporation measured in a sunken pan 36 x 36 inches.
- Moore Haven Lock 1 - Evaporation area not fenced.
- Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.
- Vero Beach FAA Airport - Evaporation area not fenced.
- Woodruff Dam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

Station And Depth		Day of month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GAINESVILLE 3 #5W	MAX	98	94	94	90	93	96	98	96	99	98	93	93	90	91	95	92	92	97	96	96	96	97	95	96	100	100	97	95	91	92	94.9	
	MIN	76	77	76	74	72	72	76	74	75	76	75	76	77	77	77	77	78	76	76	77	78	78	76	76	78	78	78	77	77	78	76	76.6
4 INCHES	MAX	86	86	85	83	83	85	86	86	88	87	85	86	86	84	84	86	85	85	87	88	88	88	89	88	90	91	91	91	88	85	86	86.6
	MIN	74	76	74	74	74	73	77	75	76	77	76	76	77	76	77	76	77	76	76	76	77	76	76	76	78	78	78	78	78	76	76.6	
8 INCHES	MAX	74	74	74	72	72	74	74	75	76	76	76	76	76	74	74	76	75	75	76	76	78	78	78	78	80	81	81	80	79	76	76.2	
	MIN	70	70	70	69	68	68	72	70	71	72	70	70	72	71	71	71	72	71	71	72	71	71	72	72	72	72	74	75	76	74	71.6	

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

TOTAL PRECIPITATION

FLORIDA
MAY 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
MAY 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



32 12/8 66/12
U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



JUNE 1962

Volume 66 No. 6



FLORIDA - JUNE 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 100° on the 27th at Monticello 2 S and Palatka

Lowest Temperature: 57° on the 30+ at Steinhatchee Mc Cain Tower

Greatest Total Precipitation: 25.10 inches at Lake Placid 2 SW

Least Total Precipitation: 2.86 inches at Key West WB Airport

Greatest One-Day Precipitation: 6.44 inches on the 29th at Fernandina
Beach

DAILY PRECIPITATION

FLORIDA
JUNE 1962

Continued

Station	Total	Day of Month																													
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
AIRNT LEO	12.16	1.04	.06		.08	.18	.07	.03	.74	.37	.45	.19			.16	.73			1.05	.34	.18	2.00	1.45				.02		2.15	.12	
AIRNT MADRID	3.60		.47				T	.02	.44	.05	.10	.16	.12		1.09	.75						1.07						T	.52	T	
AIRNT MADRID	17.23	2.12	.13												.73	1.47	.26	.05	.56	.18	.03	.11	.11	1.42					1.97		
ANDERSON TOWER	4.37				.62				.85	.48		.14	.24	.36										.11	.39				.56	.36	.14
ANDERSON EXP STATION	3.67	.09	.47		.54			.07	.04	.34	.10	T	T	.07				.08			.09	.22	.04								
ARLANTA	8.06	.04	.19				T	.39	.07	.11	.12	.02	.07	.03	1.87	1.76	.88				.37	2.07			.07						
ATLANTA MIAMI A W	9.34	.31	.07	.64	.34	.02				T	T	.57	.06	.10	.73	1.97	.72	.72	.77	.01	.12	.43	.33	.03		T		.02	.19	1.19	
ATLANTA MIAMI W GAIN TWR	9.49	.70	.80					.24	.19	.25	1.25	.90	.38	.02					.04	.05	.07					2.60			1.86		
ATLANTA MIAMI W GAIN TWR	8.18	.40	.40					.75	.06	.33	.66	.77	.03	.11	.37	.25	.02			.08	.72	.81	.03	.70	.06		.60	.63	.20	2.15	
TALLAHASSEE WB AIRPORT	4.98	.09		.03	.03			.30	1.15	.26		.02	.45	.17	1.02						.84	.99	.20	T							
TAMPA MIAMI FRL 40 MI BEND	14.78		2.47	.12	.43	.05		.45	.16		.02	.78	.12	.62	3.45	3.70	.23	1.91	1.41		.53	1.52		.04				.35		.22	
TAMPA WB AIRPORT	6.34	.23					.30	T	.40	T	.22	.55	.01	.01		.84	.29		.25	1.86	T							1.38	T	T	
TARDON DRS SEWAGE PL	7.41	.40	.40							.98			.13					.12	.41	.08	.02	.10	2.50	.11	.02			.94		.02	T
TAVERNIER	8.63	1.74						.32		.16		.03			1.10			4.00	.03	.05						.22					
TITUSVILLE 2 W	9.94	.14	.29	.68	.07								.80	.36					.20	.25	.65	4.10	1.30	.71				.32			
VALER TOWER	6.09	.10						.20	.14	.40	.90	.90	1.20	.04	.10	.04	.10	.05				.70		.60	.50					.12	
VENICE	12.59	1.24	.05					.05	.02	.65	.15	.07	.17	1.65	1.75	2.12					.43	.13								.28	
VERO BEACH FAA AIRPORT	4.64	.21	.08				.67	T	.31		.43	.24	.52	.16	.08	.65							.05	.07	T	.60			.44	.16	1.20
WALFORD 2 N	14.77	.62	1.41					.30	.55	.41	2.07	.75	.53	.06	1.10	2.00			.65	.13	.66	.15	.40	.10					.04	2.30	
W PALM BEACH RADIO WJNO	12.47	.52	.20					.11	.16	.06	.41	.19	.80	3.89	.55	.37	.58	.02	.06		.74	1.18	.29	T							
WEST PALM BEACH WB AIRPORT	6.94	.05	.05			.09		.75	.16	T	.27	.12	.24	.83	.37	.29					.44	.90	.24						.19	1.48	
WEST PALM BEACH WB AIRPORT	4.06	.33	T	T	T	T	.47	T	.05	.25	.23	.20									.28	T	1.00					.11	.45		
WINTER HAVEN	4.31	.03			.29	.15		.12	.05	.26	.09	.23	.13					.67	.21	.02		.05	.57			.69				.01	
WOODRUFF DAM	5.29	T	.01				.31		.85	.18		.03	1.00	.14	.45			.53			T	.78	.15	.45	T				.41		

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
APALACHICOLA WB CITY	-	-	6.1	23	NW	2B	-	-	-	-	3	5	3	2	1	0	14	74	5.6
DAYTONA BEACH WB AIRPORT	ESE	13	8.2	23++	WSW	20+	85	86	66	76	6	3	5	5	0	1	20	-	7.4
FORT MYERS WB AIRPORT	-	-	8.3	28++	NE	29+	91	87	61	79	5	2	8	5	5	0	25	-	6.9
JACKSONVILLE WB AIRPORT	E	12	7.2	54	E	14	89	89	55	75	2	9	6	3	0	1	21	49	6.3
KEY WEST WB AIRPORT	SE	23	9.4	27	NW	8	78	78	64	72	5	5	6	0	1	0	17	68	6.9
LAKELAND WB CITY	-	-	5.5	-	-	-	-	-	-	-	3	8	7	1	1	1	21	62	7.4
MIAMI WB AIRPORT	SE	1B	6.7	31++	S	20	86	88	66	78	3	9	4	3	3	1	23	47	7.4
ORLANDO WB AIRPORT	S	15	7.9	32++	S	8	89	90	57	73	8	5	5	1	1	0	20	-	7.1
PENSACOLA WB CITY	SE†	-	8.2†	26	NE	24	-	-	-	-	3	5	3	2	1	0	14	73	-
TALLAHASSEE WB AIRPORT	E	14	7.9	37++	SE	27+	90	92	56	71	1	4	6	4	2	0	17	-	6.2
TAMPA WB AIRPORT	SSE	11	8.9	48++	NE	28	89	90	65	73	6	2	6	2	2	0	18	58	7.0
WEST PALM BEACH WB AIRPORT	SE	14	7.5	32++	WSW	8	89	88	66	81	2	4	10	3	1	0	20	-	7.5

Ø City Office Data
† Airport Data

See reference notes following Station Index.

DAILY TEMPERATURES

FLORIDA
JUNE 1962

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various Florida stations like ALEXANDER SPRINGS, APALACHICOLA W8 CITY, etc.

See reference notes following Station Index.

DAILY TEMPERATURES

FLORIDA JUNE 1962

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like MYAKKA RIVER ST PARK, NAPLES CARI8 GAROENS, NICEVILLE, OCALA, OCALA 2 NE, OKEECHOBEE HRCN GATE 6, ORLANDO W8 AIRPORT, PALATKA, PANAMA CITY 2, PARRISH, PENSACOLA FAA AIRPORT, PENSACOLA W8 CITY, PERRY, PLANT CITY, POMPANO BEACH, PUNTA GOROA, QUINCY EXP STATION, ROYAL PALM RANGER STA, SAINT AUGUSTINE, SAINT LEO, SAINT MARKS 6 SE, ST PETERSBURG, SANBORN TOWER, SANFORD EXP STATION, SARASOTA, SOUTH MIAMI 5 W, STEINHATCHEE MCCAIN TWR, STUART 1 N, TALLAHASSEE W8 AP, TAMIAHI TRL 40 MI BENO, TAMPA W8 AIRPORT, TARPON SPGS SEWAGE PL, TAVERNIER, TITUSVILLE 2 W, USHER TOWER, VENICE, VERO BEACH FAA AIRPORT, WAUCHULA 2 N.

See reference notes following Station Index.

DAILY TEMPERATURES

FLORIDA
JUNE 1962

Continued

Table with 32 columns for days of the month and 1 column for Average. Rows include stations like PALM BEACH RADIO WJNC, WEST PALM BEACH W3 AP, WAHITCHKA, WINTER HAVEN, and WOODRUFF DAM.

EVAPORATION AND WIND

Table with 32 columns for days of the month and 1 column for Total of Ave. Rows include stations like BAY LAKE, BELLE GLAOC EXP STA, CLEWISTON US ENGRS (a), FLAMINGO RANGER STA, FT LAUDERDALE EXP STA, GAINESVILLE 3 WSW, HIALEAH, LISBON, MOORE HAVEN LOCK 1, OKEECHOBEE HRCN GATE 6, TAMIAHI TRL 40 MI BENO, VERO BEACH FAA AIRPORT, and WOODRUFF OAM.

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock 1 - Evaporation area not fenced.

Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Oam - Evaporation pan located over rock.

DAILY SOIL TEMPERATURES

Table with 32 columns for days of the month and 1 column for Average. Rows include station GAINESVILLE 3 WSW with depths of 1 INCH, 4 INCHES, and 8 INCHES.

Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagrass sod. Instrumentation: 3 point Foxboro Thermograph.

See reference notes following Station Index.

CLIMATOLOGICAL DATA

FLORIDA
DELAYED DATA

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	32° or Below										
JANUARY 1962																							
CARRABELLE 1 NNW	63.5	37.5	50.5		74	25+	16	13	441	0	0	13	0	3.76		1.00	27	.0	0		6	3	1
KISSIMMEE 2	76.1	48.0	62.1	1.2	90	28	30	15	158	1	0	1	0	.85	- 1.06	.55	12	.0	0		2	1	0
TITUSVILLE 2 W	73.5	50.1	61.8	.1	88	31	31	3	151	0	0	1	0	1.44	- .43	.38	11	.0	0		6	0	0
MARCH 1962																							
KISSIMMEE 2	79.7	53.7	66.7	.5	90	11	37	8	47	1	0	0	0	3.84	- .19	2.10	23	.0	0		3	2	2
MAY 1962																							
FELLSMERE	90.3	64.5	77.4	1.1	98	25+	58	6	0	18	0	0	0	1.94	- 2.14	.87	5	.0	0		5	1	0

DAILY PRECIPITATION

Station	Day of month																															Total						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
JANUARY 1962																																						
CARRABELLE 1 NNW	.80					.85		.41		.09	.05				.23																					1.00	.33	3.76
CORNWELL 4 NW	.15	T				T	.19			T			T	.02	.11	T																				.18		.65
HILLSBORO RVR ST PK						.01	.47					.15	.22			.02							.14											.02	.19		1.22	
KISSIMMEE 2						.30							.55																								.85	
OKEECHOBEE 9 W	.25						.06					.04		.14	.13	.01					.01													.03	.04		.71	
TITUSVILLE	.15					.30	.10			.24	.38	.27																										1.44
MARCH 1962																																						
CORNWELL 4 NW			T	T								T		.02											.45	.01	2.57										3.05	
KISSIMMEE 2																1.55								2.10										.19			3.84	
OKEECHOBEE 9 W			.15											.01	.03									3.00		3.25									.30		6.74	
APRIL 1962																																						
CORNWELL 4 NW	.06					T				1.05								T	.36																		1.47	
OKEECHOBEE 9 W						.01	.70	.02																														.73
MAY 1962																																						
CORNWELL 4 NW	.68					.86			.16				.15						T																	T	1.85	
FELLSMERE			T		.87	.48	.12					T	.02						T															.20	.25		1.94	
OKEECHOBEE 9 W				T	2.00																															1.00		4.25

DAILY TEMPERATURES

FLORIDA
DELAWARE DATA

Station	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
JANUARY 1962																																	
CARRABELLE 1 NNW	MAX	58	60	58	61	68	67	67	58	66	57	40	45	48	65	73	66	65	65	66	65	70	74	73	74	66	64	63	67	66	66	63.5	
	MIN	48	35	25	29	37	31	31	39	28	33	21	19	16	27	52	37	31	32	48	47	48	50	52	56	47	53	48	30	29	41	43	37.5
KISSIMWEE 2	MAX	65	67	61	69	76	80	80	78	75	74	58	54	60	85	83	81	74	79	79	80	80	83	83	85	82	84	85	90	82	71	76	76.1
	MIN	40	34	33	35	48	60	65	55	40	41	48	38	35	50	30	59	46	47	47	45	50	55	60	56	60	61	60	65	42	36	48	48.0
TITUSVILLE	MAX	69	57	58	68	79	83	76	73	74	72	59	59	60	72	85	74	68	74	75	69	71	82	87	84	83	83	86	76	63	72	88	73.5
	MIN	53	41	31	33	49	68	51	50	38	51	51	38	50	49	56	58	43	45	52	51	57	52	60	56	60	59	62	58	47	39	45	50.1
MARCH 1962																																	
KISSIMWEE 2	MAX	85	82	88	85	80	65	61	72	81	85	90	88	83	78	78	71	75	85	80	77	88	84	81	80	82	77	71	80	79	81	80	79.7
	MIN	62	67	60	55	52	50	49	37	43	50	55	60	57	50	56	53	50	55	41	52	66	70	56	55	50	57	51	43	54	60	50	53.7
MAY 1962																																	
FELLSMERE	MAX	91	93	92	91	85	82	82	84	85	94	93	92	86	84	88	89	85	84	85	87	98	97	92	96	98	97	96	97	93	92	92	90.3
	MIN	61	64	62	60	59	58	59	60	61	60	61	62	66	70	64	65	70	66	60	61	66	68	66	65	69	69	68	70	69	69	70	64.5

CORRECTIONS

MONTH: NOVEMBER 1961

Climatological Data Table:
Tarpon Springs Sewage Plant

Average minimum temperature should be 57.8; average temperature, 68.5; departure from long-term average, +1.7; degree days, 39.

Daily Temperature Table:
Tarpon Springs Sewage Plant

Minimum temperature on the 8th should be 65; 9th, 47; 10th, 52; average minimum temperature, 57.8.

MONTH: DECEMBER 1961

Climatological Data Table:
Gainesville 3 WSW

Average minimum temperature should be 46.5; average temperature, 59.5; departure from long-term average, +0.6; degree days, 222; min 32 or below, 6.

Daily Temperature Table:
Gainesville 3 WSW

Minimum temperature on the 27th should be 32; average minimum temperature, 46.5.

ANNUAL 1961

Average Temperature and Departure Table:
Gainesville 3 WSW

For the month of December 1961 average temperature should be 59.5; departure from long-term average, +0.6; annual average temperature, 69.8; annual departure from long-term average, -0.8.

Tarpon Springs Sewage Plant

For the month of November 1961 average temperature should be 68.5; departure from long-term average, +1.7; annual average temperature, 71.8; annual departure from long-term average, -0.7.

MONTH: MARCH 1962

Climatological Data Table:
Saint Marks 6 SE

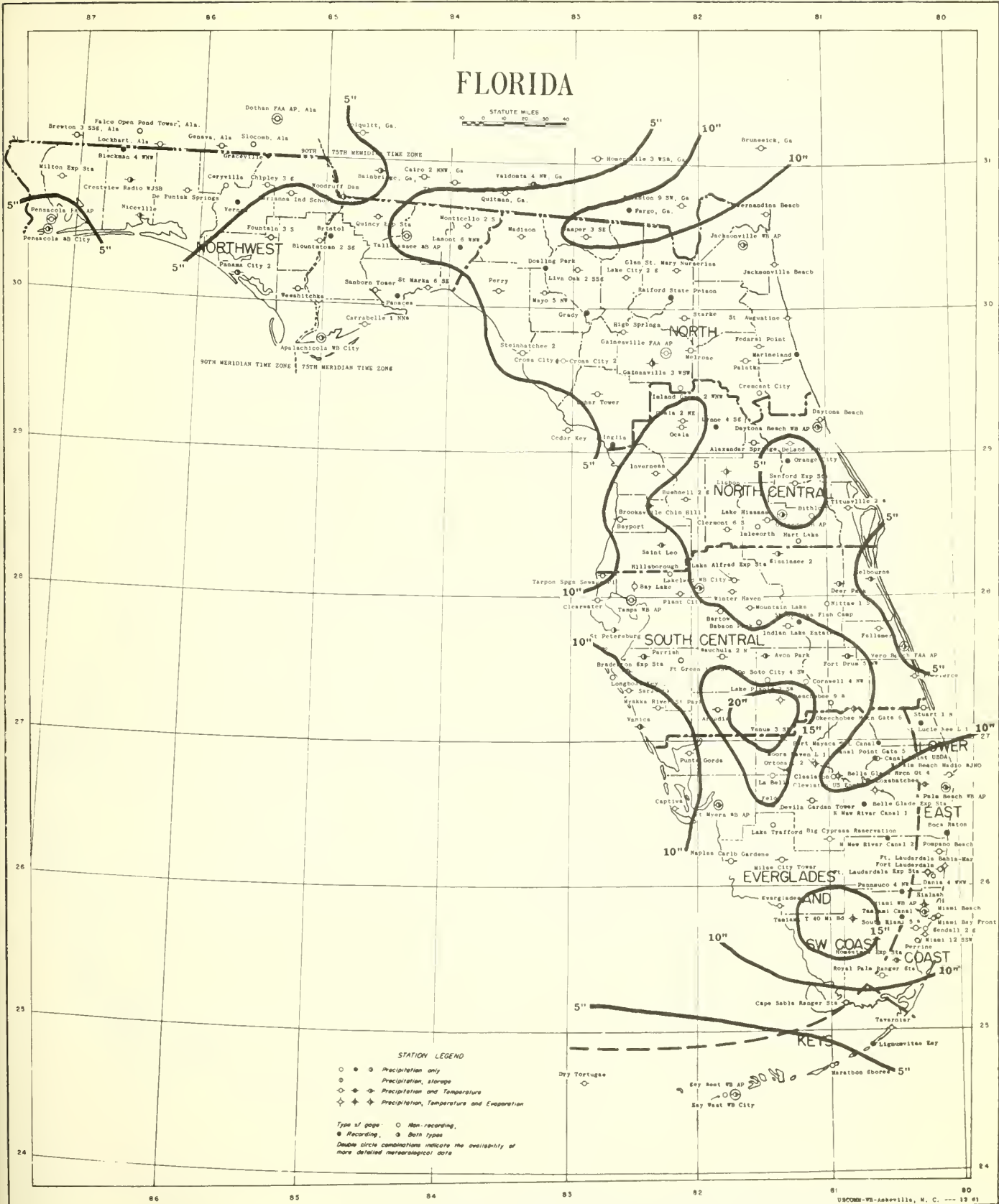
Total precipitation should be 3.18; greatest day, 1.30 on the 2nd; no. days with .10 or more, 4; .50 or more, 3; 1.00 or more, 1. Northwest Division average precipitation should be 5.16; departure from normal, -0.38.

Daily Precipitation Table:
Saint Marks 6 SE

Precipitation on the 31st should be .30; monthly total, 3.18.

TOTAL PRECIPITATION

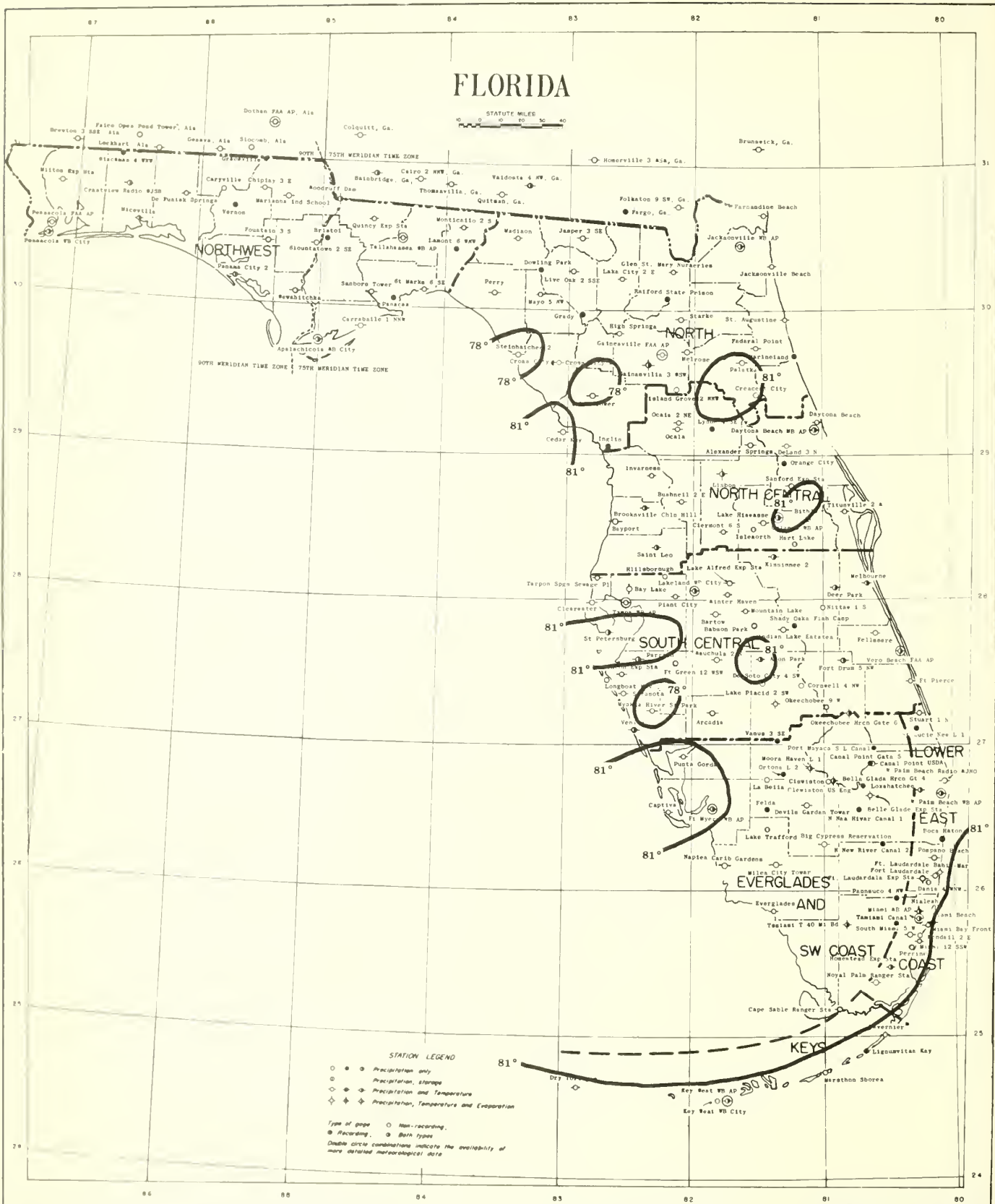
FLORIDA
JUNE 1962



Isohines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
JUNE 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Y Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:DD a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 8/7/62 --- 90D

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

JULY 1962
Volume 66 No. 7



FLORIDA - JULY 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 103° on the 27th at Loxahatchee

Lowest Temperature: 61° on the 3rd at Alexander Springs and
at Glen St. Mary Nurseries

Greatest Total Precipitation: 13.43 inches at Okeechobee 9 W

Least Total Precipitation: 1.02 inches at Marathon Shores

Greatest One-Day Precipitation: 5.03 inches on the 11th at Okeechobee 9 W

DAILY PRECIPITATION

FLORIDA
JULY 1962

Day of Month

Station	Day of Month																														
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
APALACHICOLA WB CITY																															
DAYTONA BEACH WB AIRPORT																															
FORT MYERS WB AIRPORT																															
JACKSONVILLE WB AIRPORT																															
KEY WEST WB AIRPORT																															
LAKELAND WB CITY																															
MIAMI WB AIRPORT																															
ORLANDO WB AIRPORT																															
PENSACOLA WB CITY																															
TALLAHASSEE WB AIRPORT																															
TAMPA WB AIRPORT																															
WEST PALM BEACH WB AIRPORT																															

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
APALACHICOLA WB CITY	-	-	5.7	28	NW	31	-	-	-	-	2	6	3	1	0	0	12	61	6.1
DAYTONA BEACH WB AIRPORT	SW	19	7.3	23++	WSW	18+	83	84	61	74	6	3	4	5	2	1	21	-	7.3
FORT MYERS WB AIRPORT	-	-	8.3	28++	ESE	24	89	85	64	73	6	2	3	2	3	0	16	-	6.3
JACKSONVILLE WB AIRPORT	SW	19	6.4	39	SE	21	87	88	56	72	1	9	4	3	2	0	19	51	6.5
KEY WEST WB AIRPORT	ESE	22	8.6	22	SE	24+	73	73	59	68	6	6	2	1	0	0	15	76	6.0
LAKELAND WB CITY	-	-	5.9	-	-	-	-	-	-	-	11	4	6	2	1	0	24	61	7.4
MIAMI WB AIRPORT	ESE	15	6.7	38++	S	6	84	85	63	73	7	3	4	2	1	0	17	61	6.1
ORLANDO WB AIRPORT	SW	17	7.9	29++	WSW	10+	87	92	54	74	4	2	3	3	5	1	18	-	6.3
PENSACOLA WB CITY	N	-	7.9	25	NW	22	-	-	-	-	1	4	4	3	1	1	14	69	-
TALLAHASSEE WB AIRPORT	SW	12	7.5	35++	SSE	17	92	94	58	73	6	8	9	3	0	0	26	-	6.7
TAMPA WB AIRPORT	W	19	9.3	39++	WNW	5	84	85	62	69	9	5	5	0	0	0	19	61	6.8
WEST PALM BEACH WB AIRPORT	SE	12	7.3	37++	NNW	1	89	88	62	77	5	6	7	2	2	1	23	-	6.6

☉ City Office Data

DAILY TEMPERATURES

FLORIDA
JULY 1962

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various Florida locations such as ALEXANDER SPRINGS, APALACHICOLA WB CITY, AVON PARK, BARTOW, BAYPORT, BELLE GLADE EXP STA, BIG CYPRESS RESERVATN, BLOUNTSTOWN 2 SE, BRADENTON EXP STATION, BROOKSVILLE CHIN HILL, BUSHWELL 2 E, CANAL POINT USDA, CAPTIVA, CARRABELLE 1 NNW, CEDAR KEY, CHIPLEY 3 E, CLEARWATER, CLERMONT 6 S, CLEWISTON U S ENG, CRESTVIEW RADIO WJSB, CROSS CITY 2, DAYTONA BEACH, DAYTONA BEACH WB AP, DEER PARK, DE FUNIAK SPRINGS, DE LAND 3 N, DEVILS GARDEN TOWER, DRY TORTUGAS, EVERGLADES, FEDERAL POINT, FELLSMERE, FERNANDINA BEACH, FLAMINGO RANGER STATION, FORT DRUM 5 NW, FORT LAUDERDALE, FT LAUDERDALE BAHIA MAR, FT LAUDERDALE EXP STA, FORT MYERS WB AP. Each station entry includes maximum and minimum temperatures for each day and an overall average.

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

CONTINUED

Season of 1961 - 1962

FLORIDA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
ROYAL PALM RANGER STA	0	0	0	0	2	76	78	25	53	3	0	0	237	
SAINT AUGUSTINE	0	0	0	13	57	218	298	98	186	48	0	0	918	
SAINT LEO	0	0	0	4	23	150	184	45	100	23	0	0	529	
SAINT MARKS 6 SE	0	0	0	23	122	299	391	125	215	60	0	0	1235	
ST PETERSBURG	0	0	0	3	8	113	138	33	83	9	0	0	387	
SANBORN TOWER	0	0	0	43	125	314	391	133	240	80	0	0	1326	
SARFORD EXP STATION	0	0	0	6	17	140	179	57	123	22	0	0	544	
SARASOTA	0	0	0	4	13	122	135	41	69	14	0	0	398	
SOUTH MIAMI 5 W	0	0	0	0	0	74	66	13	45	2	0	0	200	
STARKE	0	0	0	26	44	234					0	0		
STEINHATCHEE MCCAIN TWR	0	0	0	24	85	230	352	171	249	128	0	0	1239	
STUART 1 N	0	0	0	1	1	97	72	19	55	5	0	0	250	
TALLAHASSEE WB AP	0	0	0	61	168	337	433	140	253	80	0	0	1472	1519
TAMPA TRL 40 MI BEND	0	0	0	0	12	85	55	12	42	2	0	0	208	
TAMPA WB AIRPORT	0	0	0	5	15	137	175	55	106	19	0	0	512	674
TARPON SPGS SEWAGE PL	0	0	0	3	39	144	223	66	113	40	0	0	628	
TAVERNIER	0	0	0	0	0	36	39	0	11	0	0	0	86	
TITUSVILLE 2 W	0	0	0	8	13	142	151	62	117	28	0	0	521	
USHER TOWER	0	0	0	27	115	252	324	129	191	83	0	0	1121	
VERICE	0	0	0	3	12	119	127	66	99	20	0	0	446	
VERO BEACH FAA AIRPORT	0	0	0	2	8	122	108	33	77	17	0	0	367	
WAUCHULA 2 N	0	0	0	9	19	118	126	36	76	16	0	0	400	
W PALM BEACH RADIO WJNO	0	0	0	1	1	84	64	6	33	3	0	0	192	
WEST PALM BEACH WB AP	0	0	0	1	3	80	69	14	39	3	0	0	209	248
WENAMITCKKA	0	0	0				399	103	205	57	0	0		
WINTER HAVEN	0	0	0	5	15	120	144	30	88	17	0	0	419	
WOODRUFF OAM	0	0	0	52	154	339	386	161	226	73	0	0	1391	

TOTAL PRECIPITATION

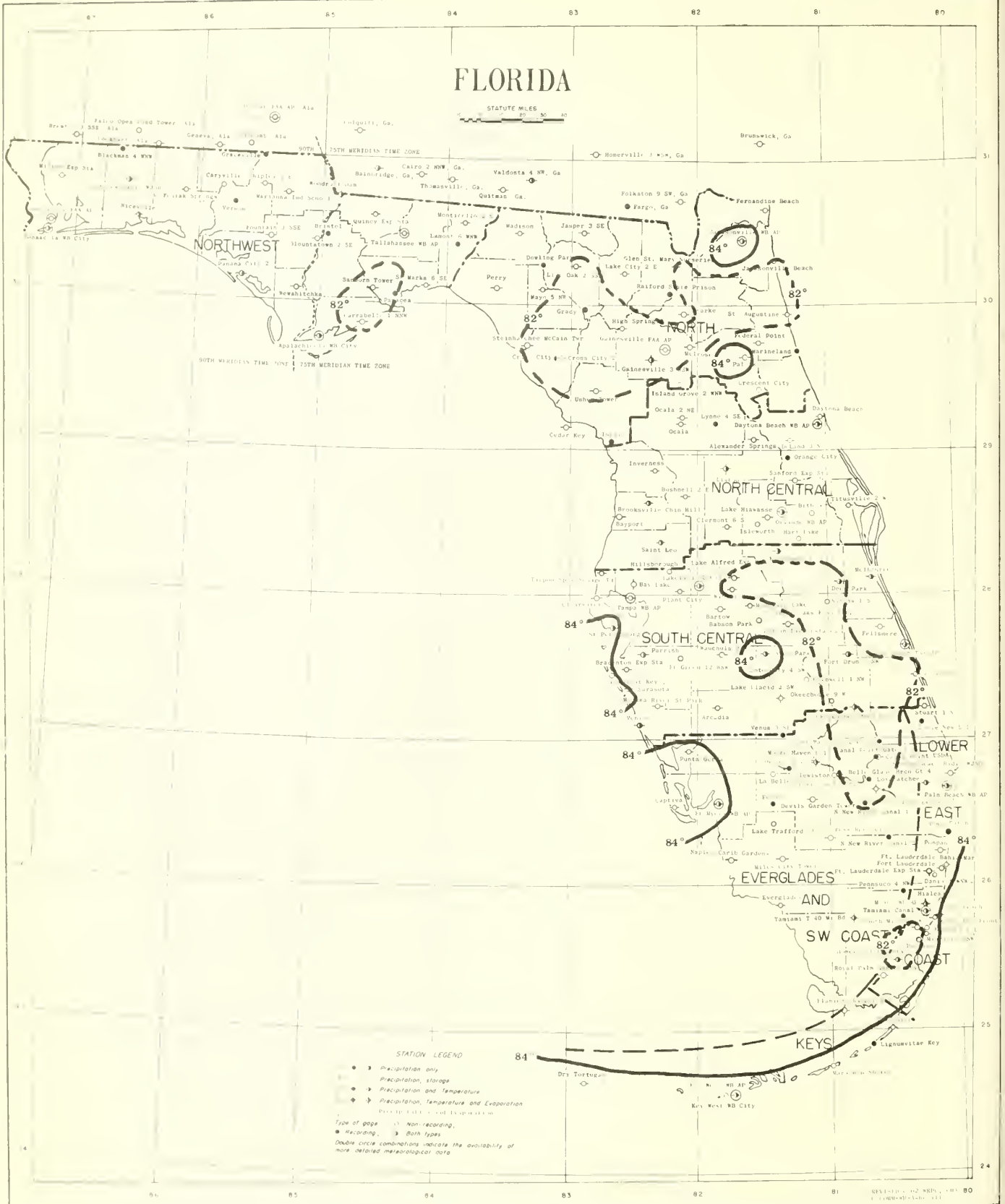
FLORIDA
JULY 1962



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
JULY 1962



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REFERENCE NOTES

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Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

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Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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USCOMM-WB-Asheville, N. C. --- 8/30/62 --- 900

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



AUGUST 1962

Volume 66 No. 8



FLORIDA - AUGUST 1962

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 101° on the 7th at DeFuniak Springs

Lowest Temperature: 60° on the 13th at Jasper 3 SE

Greatest Total Precipitation: 15.92 inches at Sarasota

Least Total Precipitation: 1.30 inches at Caryville

Greatest One-Day Precipitation: 5.30 inches on the 12th at Longboat Key

DAILY TEMPERATURES

FLORIDA
AUGUST 1962

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WINTER HAVEN	MAX	89	89	91	94	93	92	89	88	89	91	94	94	94	90	91	90	88	94	85	91	91	91	92	90	91	93	88	88	93	92	92	90.9
	MIN	72	70	71	71	72	72	71	72	73	70	69	69	73	72	69	70	68	68	71	72	72	72	73	74	72	73	71	71	71	72	71	71.2
WOODRUFF DAM	MAX	95	93	96	97	93	97	97	96	94	94	93	94	92	94	97	96	94	85	94	99	95	85	91	90	90	88	89	87	94	95	97	93.3
	MIN	70	70	74	72	72	72	76	72	67	69	72	68	66	70	69	69	70	69	71	72	71	71	69	69	70	71	72	70	69	70	71	70.4

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BAY LAKE	EVAP	.18	-	.13	.17	.19	.28	.21	.14	.09	.19	.12	-	.26	.26	.26	.32	.36	.29	.22	.14	.30	.28	-	.17	.11	.19	.30	.18	.11	.26	.25	B6.60
BELLE GLADE EXP STA	EVAP	.23	.20	.23	.24	.20	.21	.16	.14	.20	.12	.18	.17	.08	.27	.21	.30	.21	.17	.09	.09	.21	.16	.14	.13	.12	.13	.27	.16	.25	.17	.19	5.63
CLEWISTON US ENGRS (a)	EVAP	.15	.18	.23	.08	.08	.25	.10	.13	.14	.19	.18	.14	.15	.20	.12	.13	.14	.15	.06	.11	.20	.06	.11	.18	.15	.11	.23	.09	.20	.20	.12	4.56
	MIN	79	79	79	79	78	79	78	79	79	75	79	76	79	79	76	76	78	78	77	76	74	76	77	79	78	77	77	78	76	77	78	77.6
FT LAUDERDALE EXP STA	EVAP	.25	.33	.17	.17	.27	.22	.31	.22	.27	.05	.19	.20	.08	.35	.11	.13	.22	.26	.15	.32	.26	.20	.24	.28	.12	.22	.10	.18	.51	.10	.50	6.98
	WIND	20	19	24	30	28	35	14	21	33	45	59	12	3	17	18	11	17	22	3	48	53	44	15	46	29	20	42	15	27	23	18	811
GAINESVILLE 3 WSW	EVAP	.21	.20	.17	.13	.21	.12	-	.33	.26	.23	.37	.23	.20	.28	.30	.23	.11	.15	.22	.24	.18	.46	.29	.07	.25	.17	.20	.22	.26	.30	.19	B7.01
	MIN	99	93	96	93	98	103	98	98	100	99	96	92	98	102	102	101	89	98	98	102	104	103	91	96	98	95	95	98	99	98	95	97.6
HIALEAH	EVAP	.20	.22	.20	.27	.24	.23	.13	.15	-	.19	.12	.26	.11	.12	.13	.25	.11	.16	.26	.23	.31	.23	.29	.29	.26	.24	.10	.11	.19	.13	.19	B6.12
	WIND	17	31	37	28	23	21	19	18	12	34	31	15	20	20	20	18	17	20	19	46	28	94	34	44	40	60	15	7	17	12	37	854
LISBON	EVAP	.26	.10	.13	.30	.11	.19	.23	.27	.26	.19	.18	.23	.17	.30	.25	.10	.09	.15	.33	.13	.18	.21	.34	.06	.20	.12	.22	.18	.15	.23	.30	6.16
	WIND	5	20	5	15	10	5	15	25	15	5	15	20	5	25	15	15	10	10	15	10	15	15	5	20	5	15	25	10	10	15	20	415
MOORE HAVEN LOCK 1	EVAP	.37	.20	.29	.18	.22	.18	.13	.21	.15	.19	.28	.15	.22	.22	.11	.19	.17	.24	.10	.12	.13	.15	.21	.26	.21	.18	.21	.23	.24	.21	.17	6.12
	WIND	11	19	22	26	27	15	16	22	15	45	22	12	19	11	8	20	11	16	8	8	7	3	6	14	22	27	37	36	24	21	10	560
OKEECHOBEE HRCN GATE 6	EVAP	.26	.32	.32	.25	.20	.27	.25	.22	.29	.24	.29	.21	.15	.23	.19	.27	.32	.31	.20	.16	.29	.17	.31	.25	.40	.12	.21	-	.24	.28	.23	B7.70
TAMIAMI TRL 40 WJ BENO	EVAP	.24	.06	.17	.19	.40	-	.36	.24	.17	.07	.12	.11	.12	.13	.14	.13	.14	.17	.22	.22	.17	.18	.19	.16	.20	.16	.16	.10	.14	.09	.20	B5.32
	MIN	78	79	79	80	81	78	79	79	78	74	77	76	78	76	77	78	78	78	79	77	77	77	78	78	78	78	80	77	75	76	76	77.7
VERO BEACH FAA AIRPORT	EVAP	.21	.27	.26	.25	.19	.19	.34	.14	.29	.47	.21	.19	.17	.22	.15	.18	.29	.17	.17	.16	.22	.26	.13	.21	.23	.10	.16	.24	.20	.13	.17	6.57
	WIND	44	42	25	48	39	33	56	53	59	89	91	85	46	44	52	41	38	40	40	37	36	26	50	66	104	102	89	58	39	30	47	1649

(a) Evaporation measured in a sunken pan 36 x 36 inches.

Moore Haven Lock I - Evaporation area not fenced.

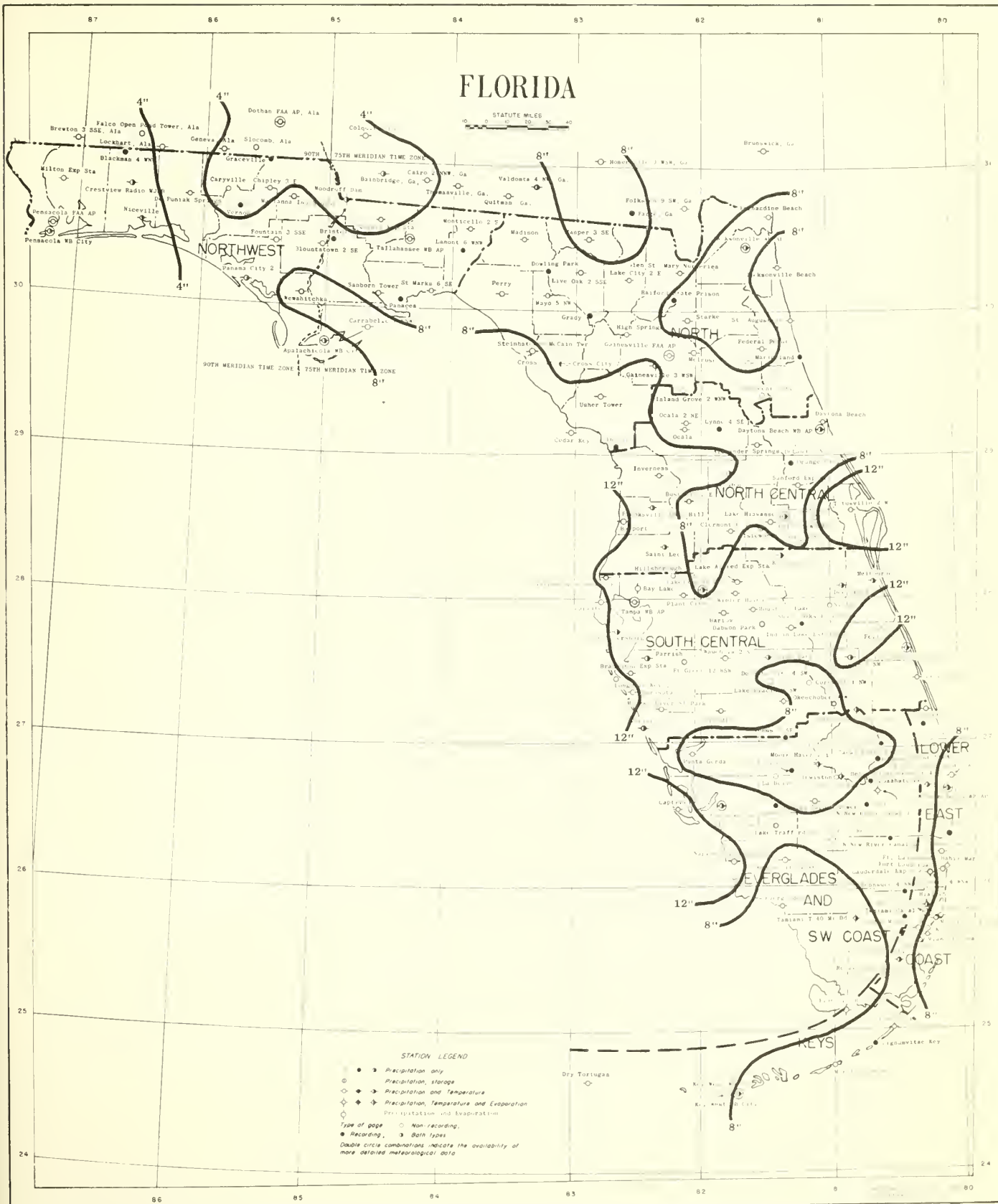
Okeechobee HRCN Gate 6 - Evaporation values determined by means of non-standard steel ruler device.

Vero Beach FAA Airport - Evaporation area not fenced.

Woodruff Dam - Evaporation pan located over rock.

TOTAL PRECIPITATION

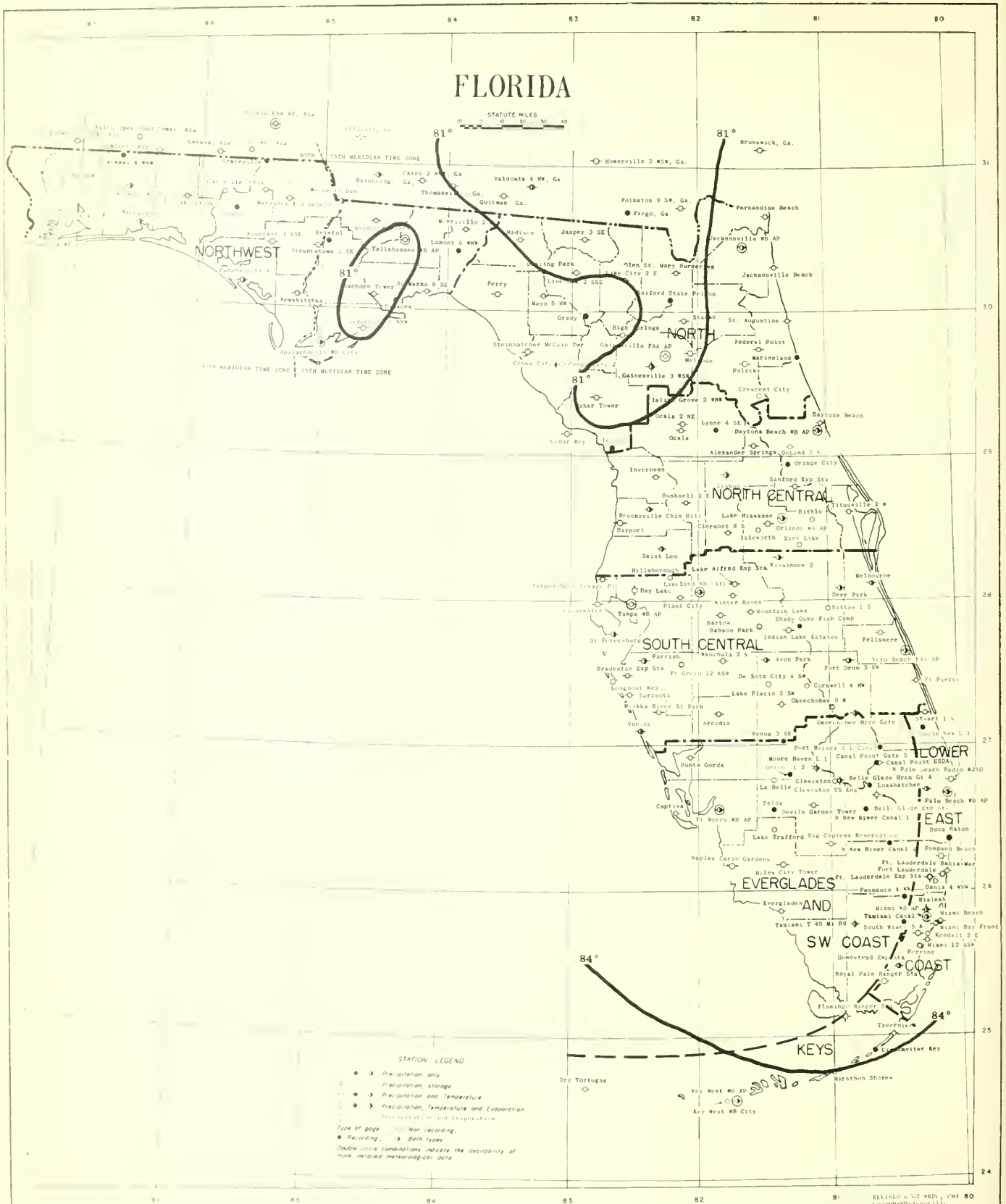
FLORIDA
AUGUST 1962



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

AVERAGE TEMPERATURE

FLORIDA
AUGUST 1962



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

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Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpointed values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:DD a.m., EST of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 10/2/62 --- 9DD

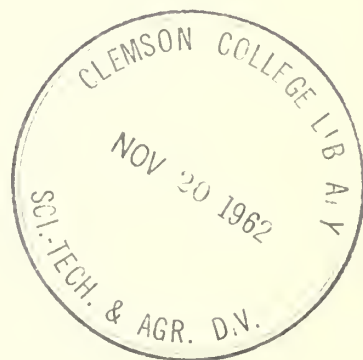


32.1310. 6-77
U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

SEPTEMBER 1962
Volume 66 No. 9



CLIMATOLOGICAL DATA

FLORIDA
SEPTEMBER 1962

CONTINUED

Station	Temperature											Precipitation																																							
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days																														
										Max.	Min.	90° or Above	37° or Below					37° or Below or Fog	37° or Below	Total	Max Depth on Ground	Date	Total	Max Depth on Ground	Date	.10 or More	.50 or More	1.00 or More																							
																													Total	Max Depth on Ground	Date	.10 or More	.50 or More	1.00 or More																	
WAUCHULA 2 N WINTER HAVEN	90.2 88.8	70.6 69.9	80.4 79.4		95	10+	63	29	0	23	0	0	0	11.41 6.58		3.85 1.13	21 20		.0	.0		11	8	4	11	7	1																								
DIVISION			80.2	- 0.4										9.81	2.02				.0																																
EVERGLADES AND SW COAST																																																			
BELLE GLAOC EXP STA BIG CYPRESS RESERVATN CANAL POINT USOA CAPTIVA CLEWISTON U S ENG DEVILS GARDEN TOWER EVERGLADES FLAMINGO RANGER STATION FORT MYERS WB AP LA BELLE MILES CITY TOWER MOORE HAVEN LOCK 1 NAPLES CARIB GAROENS PUNTA GORDA TAMiami TRl 40 MI BENO	89.2 88.9M 88.9M 88.9M 89.6 89.1 86.2 89.4 90.1M 89.2M 90.4 88.8 90.8 91.2	70.1 70.3 70.3 71.8 73.8 73.8 70.7M 71.5M 71.8 73.1 72.8 74.1	79.7 80.1 82.1M 81.7 80.7 81.5 79.9 82.1M 80.4M 80.4M 81.1 81.0 81.8 82.7	0.2	93	8+	68	29+	0	18	0	0	0	12.15 12.77 9.88 17.41 10.12 10.59 14.12 9.46 14.54 12.52	2.96	3.20 3.24 2.88 3.40 2.88 3.43 4.62 7.78 4.88 6.68 3.48 6.04 7.91 4.04	21 8 21 21 21 21 21 21 21 21 21 21 21 21 16		.0	.0		13	6	5																											
DIVISION			81.1	- 0.1										12.80	4.33				.0																																
LOWER EAST COAST																																																			
FT LAUEROALE BAHIA MAR FT LAUEROALE EXP STA HIALEAH HOMESTEAD EXP STA LOXAHATCHEE MIAMI BAYFRONT PARK MIAMI BEACH MIAMI WB AIRPORT MIAMI 12 SSW POMPANO BEACH ROYAL PALM RANGER STA SOUTH MIAMI 5 W STUART 1 N W PALM BEACH RAOIO WJNO WEST PALM BEACH WB AP R	88.5 89.1 89.8 89.2 91.0 87.5 87.4 87.7 88.9 89.3 89.5 89.3 88.7 89.9 89.3	74.6 72.0 72.9 70.8 69.7 73.8 77.7 74.4 73.1 72.9 71.1 71.1 73.0 73.3 73.8	81.6 80.6 81.4 80.0 80.4 80.7 82.6 81.1 81.0 81.1 80.3 80.2 80.9 81.6 81.6		92	8+	67	22	0	13	0	0	0	11.97 7.59 7.77 9.01 9.93 10.11 7.10 7.82 7.19 11.56 7.80 8.67 6.18 10.47 8.96		2.28 1.44 1.53 3.16 2.67 2.98 1.90 2.21 2.55 2.56 1.64 1.55 3.00 3.05	28 15 24 30 8 23 21 29 22 19 20 20 21 21 21 21		.0	.0		13	8	5	15	6	3	13	6	3	15	7	1	11	5	2	11	3	2	12	7	1	11	5	2	11	5	4	12	5	4
DIVISION			81.0	0.0										8.81	- .66				.0																																
KEYS																																																			
ORY TORTUGAS KEY WEST WB AIRPORT MARATHON SHORES TAVERNIER	89.0 88.7 88.5 87.7	78.0 77.5 76.1 75.2	83.5 83.1 82.3 81.5	0.8	92	9+	70	19	0	14	0	0	0	7.69 5.12 5.45 4.64		1.34 1.96 2.98 1.02	13 23 20 11		.0	.0		12	7	3	12	3	1	9	3	1	13	2	1																		
DIVISION			82.6	0.1										5.73	- 1.32				.0																																

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 102° on the 5th at Monticello
2 S, and on 2+ at Jasper 3 SE.

Lowest Temperature: 45° on the 29th at Chipley 3 E,
and Live Oak 2 ESE.

Greatest Total Precipitation: 22.49 inches at Myakka
River State Park.

Least Total Precipitation: 3.11 inches at Pensacola
WB City.

Greatest One-day Precipitation: 10.26 inches on the
21st at Sarasota.

DAILY PRECIPITATION

FLORIDA
SEPTEMBER 1962

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ST PETERSBURG	14.03	.14	1.03				.68			.02		.07	1.08	.38		.37			1.23	.11	4.90	2.50		.55			.05		.19	.05		.68		
SANBORN TOWER	5.04		.75			.26	1.20	.12	.05			.40												.80	.25		.10		.15					
SANFORD EXP STATION	8.77	.25	.36				2.32	.95	.02				.07	.07	.03				.96		1.00	1.76	1.07	.04	.47	.31								
SARASOTA	21.16	.60		.06	1.20		.35	.20	.03	T		.05	.18	.23	.39	.10	.50	.04		.22	1.51	1.64	.22	.37	.32	.15	1.70		.17	T		.12	.63	
SOUTH MIAMI 5 W	8.67	.53	.27	.23			.12	.08	T			.68	T																					.08
STEINHATCHEE MCCAIN TWR	10.90	.10			.60	1.09	.40	.90	1.50			.50	.52	.10	.60	.80	.50			1.80				.30	.50	.60							.09	
STUART 1 N	6.18	.06						.22				.37	.02	.07	.17						.18	.96	1.55	.16	.97	.06					.07		1.32	
TALLAHASSEE WB AP	6.72	.15					.72	1.24		.09	.10	.04	.03	.04					.23	T			.12	2.84	.02									
TAMIAMI TRL 40 N 1 BEND	10.91		.06				.03	.92	.53	.18	.41	.38							.14	.02	.51	.69	1.50	.54	.34	.12	.11		1.10	T		.51		
TAMPA WB AIRPORT	7.57	T	T	.34	T	T	.16	.28	T	T	.49	.10	T	.01	1.00	.08	4.06	.14	.02	.51	.69	1.50	.54	.34	.12	.11				.01	T		.78	.35
TARPON SPGS SEWAGE PL	10.36	.06		.10			.30		.15	.06	.10	.58		1.19	.62	.60			.60	.02	.96	2.36	.04	1.14	.09		.60					.05	.75	
TAVERNIER	8.64		.27				.15	.08			1.02	.31	.13		.20	.13	.03	.03	.26	.65	.95	.45	.09	.35	.02		.35	.02				.28	.14	
USHER TOWER	8.30	.20	.20				.90		.20	1.60	.40	.40	.10	.40	.40	.10				.95	.15	.10	.40	.50	.20	.50	1.40					.10		
VENICE	14.77	.27	.80	.10	.12	.33			1.21		.50	.33	.16	.10	.76			.67		.47	4.21	3.32				.02						.67	.13	.60
VERO BEACH FAA AIRPORT	7.08		.07	.24	.11	T	.17	.02		.02			1.48					.28		.39	1.49	.39	.21	1.11	.02		.02	.41						.55
WAUCHULA 2 N	11.41	.50	.80	.30	1.04	T	T	.73				.56	T	.33	.02					.05	1.66	3.85	.06	1.28								.05	.18	
W PALM BEACH RADIO WJNO	10.47	.01		.12			.06	T		.07	.34	.32	.01	.01	.27	T			.28	.33	3.00	1.80	1.48	.05	.03	.01	T		.01	1.23	.96			
WEST PALM BEACH WB AP R	8.96			.03	.03	.10	.26			T	.16	.56	T	.43	T				T	T	.43	1.12	3.05	.38	1.13		.10	T					.04	
WEWAHITCHKA	7.29			1.58			T	1.70		.08	.35			.08					.42	.30	.03		.25											
WINTER HAVEN	6.58	.87				.56	T	.01					T	.65	T				.25	.82	1.13	.74	.27	.12	.04		.70	1.80					.01	
WOODRUFF DAM	3.87		.05	.02					.07	.14	.13	.12	1.39	.10	.03				.87	.05	.04				.31			.01	.54					

TOTAL PRECIPITATION

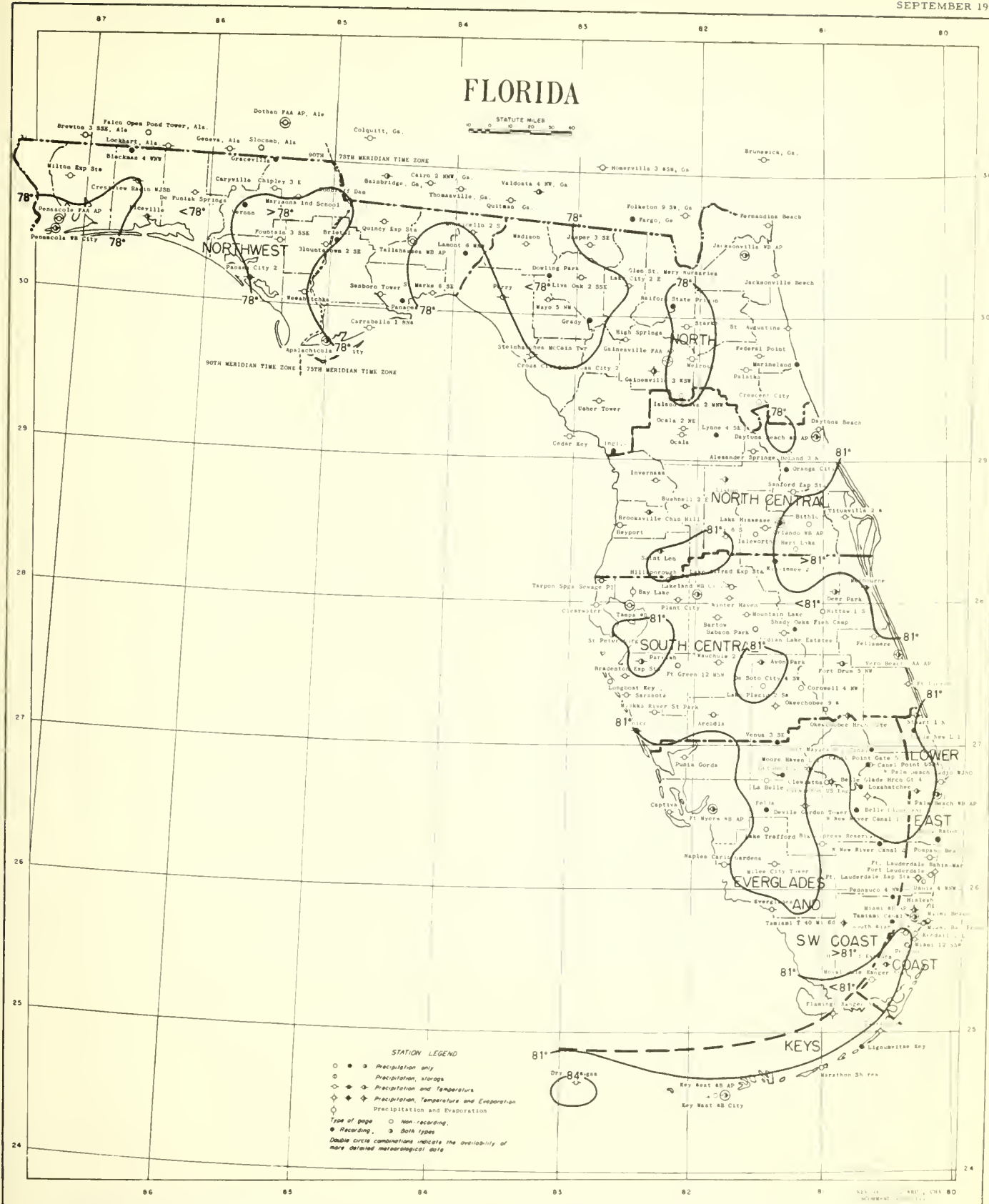
SEPTEMBER 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

AVERAGE TEMPERATURE

SEPTEMBER 1962



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- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

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- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
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U. S. DEPARTMENT OF COMMERCE

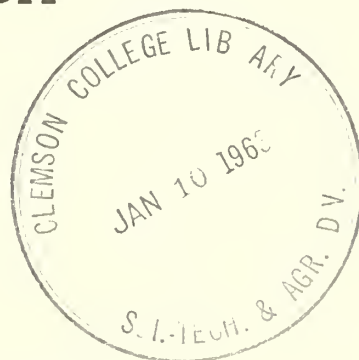
LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



OCTOBER 1962

Volume 66 No. 10



DAILY PRECIPITATION

FLORIDA
OCTOBER 1962

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SAINT LEO	2.18									1.10																							
SAINT MARKS 6 SE	1.77		.27	.06	.76				.22	1.12																							
ST PETERSBURG	1.44				T				.01																					T			
SANBORN TOWER	.54		.10	.20	T				.08							.06																	
SANFORD EXP STATION	1.64					.08	.10									.23		.08	.13														
SARASOTA	1.78									.08														.93								T	
SOUTH MIAMI 5 W	1.00	.33			.33	.05	.08					T	T														.06	T					
STARKE	2.26				1.19	.05			.28						.04								.40									.32	
STUART 1 N	.89	.18			.02	.28	.01							.22	.01	.04	.03															.05	
TALLAHASSEE WB AP	.45	.01			T				.33														.11	T								.05	
TAMIAMI TRL 40 MI BENO	3.27		.06		.51	T	.41																		1.27						.94	.59	
TAMPA WB AIRPORT	1.28									.02																						T	.30
TARPON SPGS SEWAGE PL	1.15	.10																															.30
TAVERNIER	12.58				.35		T				.20	.29				.11																8.51	2.25
USNER TOWER	.80																																
VENICE	1.52									.09																							.97
VERO BEACH FAA AIRPORT	.75		T	T	.21																												
WAUCHULA 2 N	.96									.53	T	T	T	.35	T																		.09
W PALM BEACH RACIO WJNO	2.85	.12	.31		.22	T				.27	T				.78	.10																	
WEST PALM BEACH WB AP	2.16	.14			.04	.20				.25		.03	T		.30	.07																	.01
WINTER HAVEN	.92									.03	T																						.24
WOODRUFF CAM	2.51	.49	.86		.04					.96																							

REFERENCE NOTES

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- Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.
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- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

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 - Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
 - No record in the "Supplemental Data" Table, "Daily Precipitation" Table, "Evaporation and Wind" Table, "Daily Soil Temperature" Table, and the Station Index.
 - + And also on an earlier date or dates.
 - ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
 - * Amount included in following measurement, time distribution unknown.
 - # Thermometers are generally exposed in a shelter located a few feet above and covered ground, however, the reference indicates that the thermometers are exposed at a height indicated in the Station Index building.
 - // Gage is equipped with a windshield.
 - AR This entry in time of observation column in Station Index means after rain.
 - B Adjusted to a full month.
 - M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily records. Degree day data (see page 108) for this station, have been adjusted to represent the value for a full month.
 - R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
 - SS This entry in time of observation column in Station Index means observation made near sunset.
 - T Trace, an amount too small to measure.
 - V Includes total for previous month.
 - X Observation time is 1:00 a. m., EST of the following day.
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TOTAL PRECIPITATION

OCTOBER 1962



STATION LEGEND

- Precipitation only
- Precipitation, Storage
- ◇ Precipitation and Temperature
- ◆ Precipitation, Temperature and Evaporation
- Precipitation and Evaporation

Type of gage

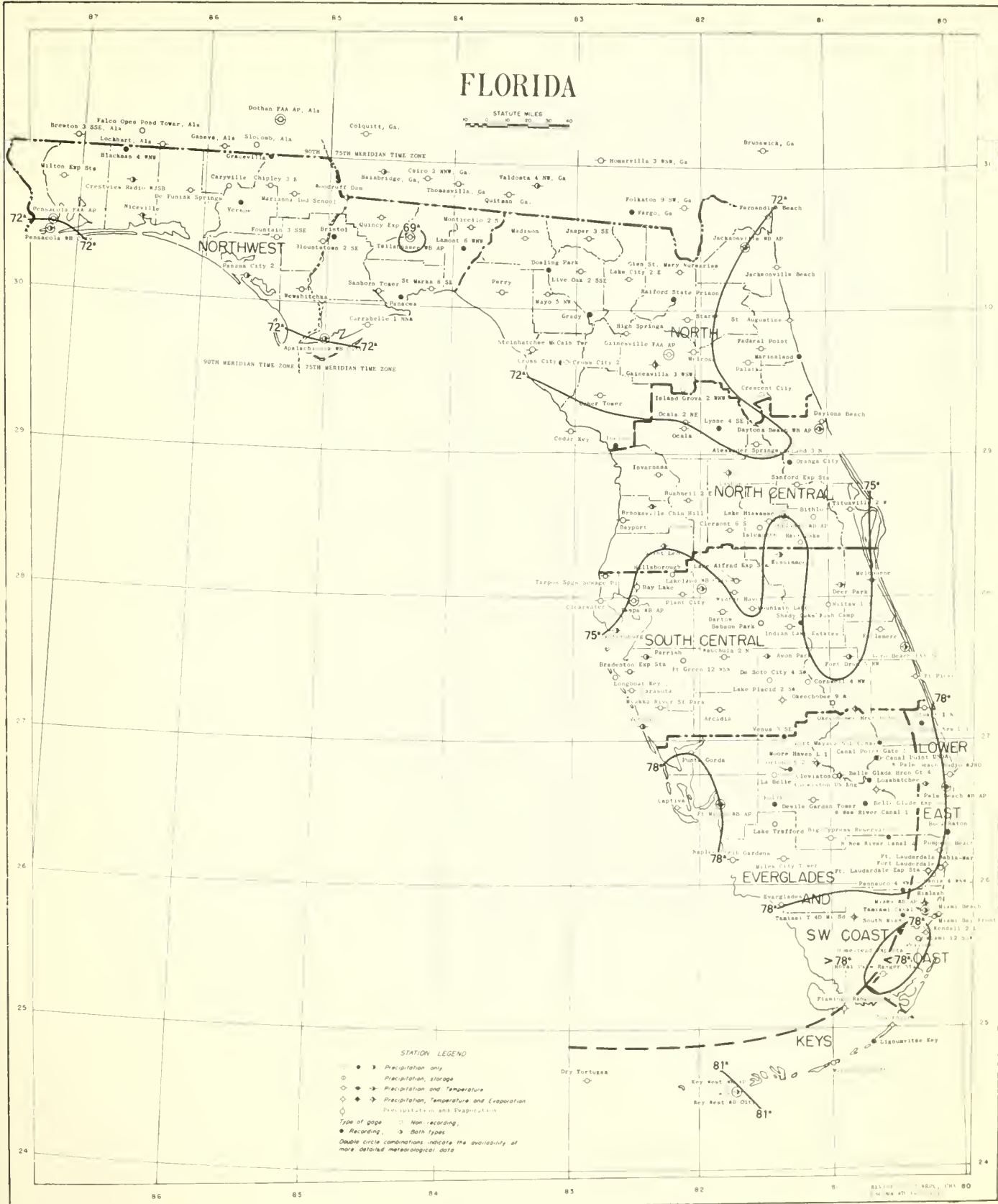
- Non-recording
- Recording
- ◆ Both types

Double circle combinations indicate the availability of more detailed meteorological data

ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

AVERAGE TEMPERATURE

OCTOBER 1962



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUE. CAUTION SHOULD BE USED IN INTERPOLATING ON THESE MAPS, PARTICULARLY IN MOUNTAINOUS AREAS.

C 30 15/28 20/11

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA

NOVEMBER 1962

Volume 66 No. 11



DAILY PRECIPITATION

FLORIDA
NOVEMBER 1962

Continued

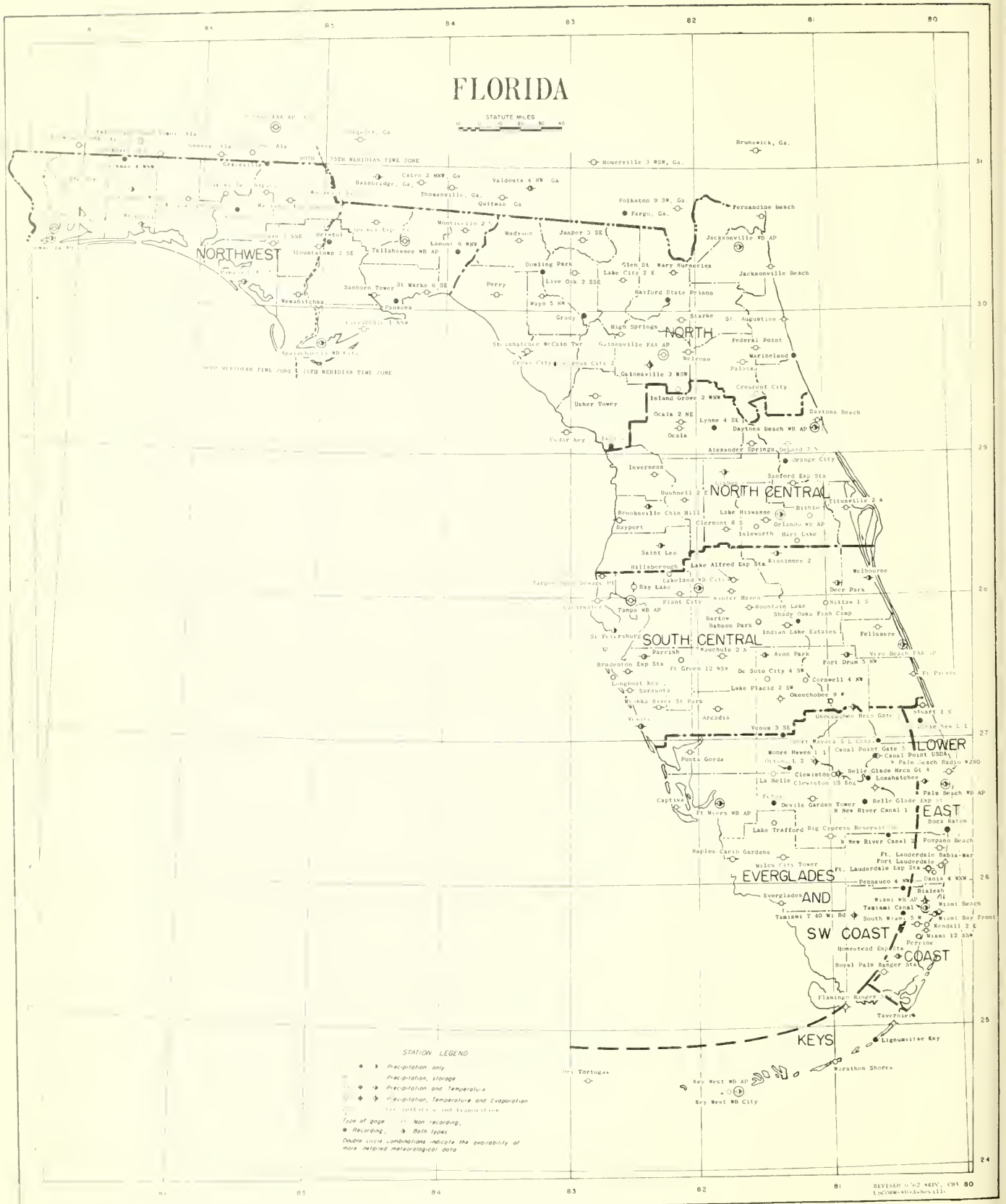
Station	Total	Day of Month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
ST PETERSBURG	2.08		.22	.21	T			.79	.21			.62																									
SANBORN TOWER	7.54		.22	.02				T	1.55			.72								1.55		.25	.03														
SANFORD EXP STATION	2.47		.02					.12	.61			.18		.22																							
SARASOTA	2.70		.01	.28				.82	1.27			.23		.02																							
STARKE	2.32		.04	.36				.06	.20			.48																.20		.22	.76						
STEINHATCHEE MCCAIN TWR	2.50		.37					.50	.10			.73											.80														
STUART 1 N	1.42		.11	.03				.16	.54	.01												.05	.44			.08											
TALLAHASSEE WB AP	7.82		.37					1.39	.34			.51							.19	.86			.54														
TAMiami TRL 40 MI BENO	1.34		.18	.31				.81													.02	.02															
TAMPA WB AIRPORT	2.21		.44	.02	T			.65	.33			.50										.27															
TARPOON SPGS SEWAGE PL	1.04			.20				.32	.05			.30											.32														
TAVERNIER	6.51	.02	T	.11				.63	.36			.02								T			.30														
TITUSVILLE 2 W	3.24			.51				1.12	1.12			.17											.32														
USHER TOWER	2.45			.20				.80	.10			.79											.30														
VENICE	2.00			.05				.98	.76			.21											.30														
VERO BEACH FAA AIRPORT	3.35		.02	.02	.02		.02	.84	2.06			T		T						.02			.03	.31					T	T	T	T	.01				
WAUCHULA 2 N	2.30			.15				.81	1.24			T		.10																							
W PALM BEACH RADIO WJNO	1.99		.10	.15	.07			.01	1.63																												
WEST PALM BEACH WB AP R	1.11		.22	T	.26		T	T	.62					T	T	T							.05	T													
WINTER HAVEN	2.46	.04		.20	T			.75	.74			.24		.11						T			.08	.30													
WOODRUFF OAM	5.09			.18				.90				.39										.15			1.25												

DAILY SOIL TEMPERATURES

FLORIDA
NOVEMBER 1962

STATION AND DEPTH	Day of month																															Average					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
GAINESVILLE 3 WSW																																					
1 INCH																																					
MAX																																					
MIN																																					
4 INCHES																																					
MAX																																					
MIN																																					
8 INCHES																																					
MAX																																					
MIN																																					

SLOPE OF GROUND: NO PERCEPTIBLE SLOPE OF SURFACE; SOIL TYPE: ARREDONDA FINE SAND. GROUND COVER: BAHIA GRASS SOD. INSTRUMENTATION: 3 POINT FOXBORO THERMOGRAPH.



Map of Average Temperature and Total Precipitation that have been included in this location each month have been temporarily discontinued. Users requiring these analyses may use the above map to plot and analyze the data that appear elsewhere in this bulletin.

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+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

γ Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

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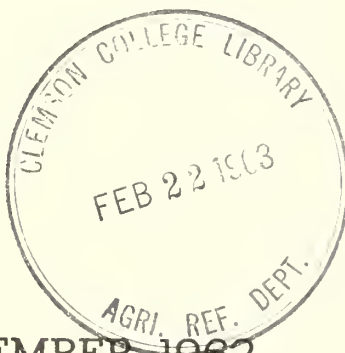
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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FLORIDA



DECEMBER 1962

Volume 66

No. 12



The severe freeze during the 11th through the 16th -- with the hard freeze of the 13th and 14th -- is the latest entry in the log of historic Florida freezes. Minimum temperatures on the northern two-thirds of the peninsula dropped to levels comparable to and in some cases lower than any produced by other notable freezes in the 20th century, particularly at high-ground locations in the citrus areas. Most points southeast of Lake Okeechobee and many low-ground locations in the central peninsula citrus areas have recorded temperatures as low or lower during other major freezes this century. The alltime record low temperature for Florida, 2° below zero, recorded at Tallahassee on February 13, 1899, was not seriously threatened during this month's freeze. Florida is invaded almost every winter by one or more cold air masses which bring frost and freezing temperatures to most interior peninsula agricultural areas. Only on rare occasions, however, do meteorological conditions over North America act in consort to propel into the most tropical regions of the eastern United States a truly Arctic air mass as intense as that which visited Florida this month. This freeze, like most other notable freezes of the 20th century, such as December 1934 and December 1957, was relatively short-lived and somewhat limited in the tropical areas affected. A similar massive Arctic air outbreak occurred in January of this year but the west Gulf Coast and Texas bore the brunt, while Florida, to a very large extent, was spared. The east Gulf Coast and the Florida Peninsula were the tropical areas affected this month while Texas was largely missed.

The month began with the weather situation along the eastern United States seaboard dominated by a nearly stationary and well developed storm off the Georgia - Florida coast. This storm maintained northerly winds over the entire State during the last days of November and early December. The strongest winds remained well offshore but seas along the coast, generated by the persistent northerly winds, were abnormally rough; the associated high tides caused considerable beach erosion along the east Florida coast, particularly in the northern areas.

The Atlantic storm began moving northeastward on the 4th and merged in the New England area with an intense storm which had moved eastward along the Canadian border. By the 7th, it was evident Mother Nature was winding up for a real Arctic punch. During the next several days a large high pressure area over Alaska grew larger and colder and drifted slowly southeastward. Winds in the upper atmosphere became strong northwesterly all the way from Alaska to the Gulf of Mexico. On the 9th, the southern portion of the Arctic high pressure area broke away from the main body of the cold air and was propelled rapidly southeastward by the strong upper atmospheric winds while the main body of the cold air mass continued to intensify and drift southeastward in Canada. The first cold air of this freeze reached Florida early on the 10th and by nightfall the entire State was covered by moderately cold air. Under cloudless skies and light winds, temperatures dropped rapidly during the night. Freezing temperatures with moderate to heavy frost were observed in almost all agricultural areas, including the Everglades and interior southeast coast, on the morning of the 11th. This was primarily a radiation cold and minimums at high-ground locations on the central and northern peninsula were several degrees higher than those at nearby low-ground locations. Temperatures moderated rapidly on the 11th under sunny skies and westerly winds

from the Gulf of Mexico.

Respite from the cold of the 11th was very short-lived. On the 10th, the main body of the massive Arctic cold in Canada began moving rapidly southeastward. By 1:00 a. m. on the 12th, almost all localities in the states of North Dakota, South Dakota, Minnesota, Wisconsin, Iowa, Missouri, Illinois, and Indiana and parts of Nebraska, Kentucky, and Ohio were experiencing temperatures of zero or lower. The leading edge of this massive Arctic outbreak, accompanied by rainshowers, strong northerly winds, and a broad band of cloudiness, moved into the northern sections of Florida early on the 12th, and reached the Miami area by nightfall. Cloudiness persisted on the northern peninsula until midafternoon and on the southern one-third of the peninsula until after midnight. Northerly winds of 15 to 20 m. p. h. throughout the State, until after midday of the 13th, provided a continuous supply of progressively colder air for 24 - 36 hours following the cold front passage. Temperatures, kept low by the cloud cover and the cold winds during the day, began falling rapidly late on the 12th. Temperatures reached freezing by sunset in the northern and western counties and by 7:00 p. m. in much of the central peninsula citrus area. By sunrise on the 13th, temperatures on the northern two-thirds of the peninsula and in the western counties had dropped to levels as low or lower than any recorded during the 20th century. The blowing cold kept the air well mixed throughout the night and there was little temperature difference between high and low ground. The cloudiness following the leading edge of the cold mass persisted until after midnight in the southern areas and helped keep temperatures from falling so rapidly, especially on the southeastern peninsula. Minimums along the southeast coast and eastern Everglades on the 13th were, at most points, slightly higher than those observed there on the 11th. Figure I shows the minimum temperatures reported in the agricultural areas during the freeze period 11th through 16th without regard to the date of occurrence. Most of the data for the central and southern peninsula are taken from stations operated by the Federal - State Frost Warning Service in Lakeland and are located in citrus groves, vegetable fields, and ornamental nurseries.

Temperatures climbed slowly after sunrise on the 13th, despite the bright sunshine, as the northerly winds continued to transport additional cold air into Florida. In the northern citrus areas, temperatures remained below freezing until after 10:00 a. m.; on the northern peninsula and in the western counties, temperatures did not rise above freezing until about noontime. Figure II shows the duration of temperatures (in hours) below selected levels for a number of Federal - State Frost Warning Service Stations on the peninsula on the date of lowest temperature. Similar duration data are not available for places in the western counties.

During the day of the 13th, the center of the Arctic high pressure area reached the Gulf Coast and began spreading out over the gulf and into the Atlantic. Winds diminished during the day and the active transport of cold air into Florida virtually ceased during the afternoon. Although Florida remained engulfed in the cold, dry air for an entire week, the Arctic mass was slowly modified by bright sunshine during the subsequent days. Early morning temperatures were progressively higher each day and by the 17th all sections of the State were free from freezing. The low temperatures on the 14th, 15th,

SPECIAL WEATHER SUMMARY - Continued

and 16th were mainly the result of radiational cooling and, with the light winds at night, temperatures on high ground were several degrees higher than at neighboring low-ground locations. Temperatures continued a slow rise after the 17th and by the 20th readings had returned to near seasonal average levels in all areas.

Listed in the Table below are the minimum temperatures at comparable locations during this and other selected notable freezes in Florida during the 20th century:

Station	Dec '62	Feb '58	Dec '57	Jan '40	Dec '34	Jan '28	Jan '27	Feb '17	Jan '05
Avon Park	20	23	24	26	21	29	30	27	22
Bartow	18	28	22	21	23	24	24	22	20
Belle Glade	28	28	27	24	25	27	26	--	--
DeFuniak Springs	5	11	16	11	18	16	16	--	13
Everglades	30	35	32	24	28	31	32	--	--
Homestead	29	27	33	28	26	30	30	30	--
Hypoluxo	30	32	29	28	31	31	34	28	26
Kissimmee	20	26	23	23	27	--	27	24	20
Lake City	10	20	19	16	20	17	17	15	16
Madison	7	19	21	15	19	16	14	14	--
Moore Haven	24	29	29	23	23	25	30	--	--
Plant City	19	26	24	19	21	23	18	24	15
Punta Gorda	23	34	29	29	28	27	30	28	--
St. Augustine	16	23	22	19	23	20	23	18	18
St. Leo	18	25	22	22	22	20	22	22	20
Tarpon Springs	19	28	26	22	25	24	23	24	21
Titusville	21	24	23	20	23	24	26	23	19

In the wake of this devastating freeze were numerous frozen water pipes and automobile radiators. The rains falling immediately preceding the Arctic blast contributed greatly to freeze damage sustained by primary and secondary roads in the northern and western counties. More than 90 percent of the record citrus crop -- estimated in early December to be 120.5 million boxes of oranges, 38 million boxes of grapefruit, and 4.3 million boxes of tangerines -- was still on the trees when the freeze hit.

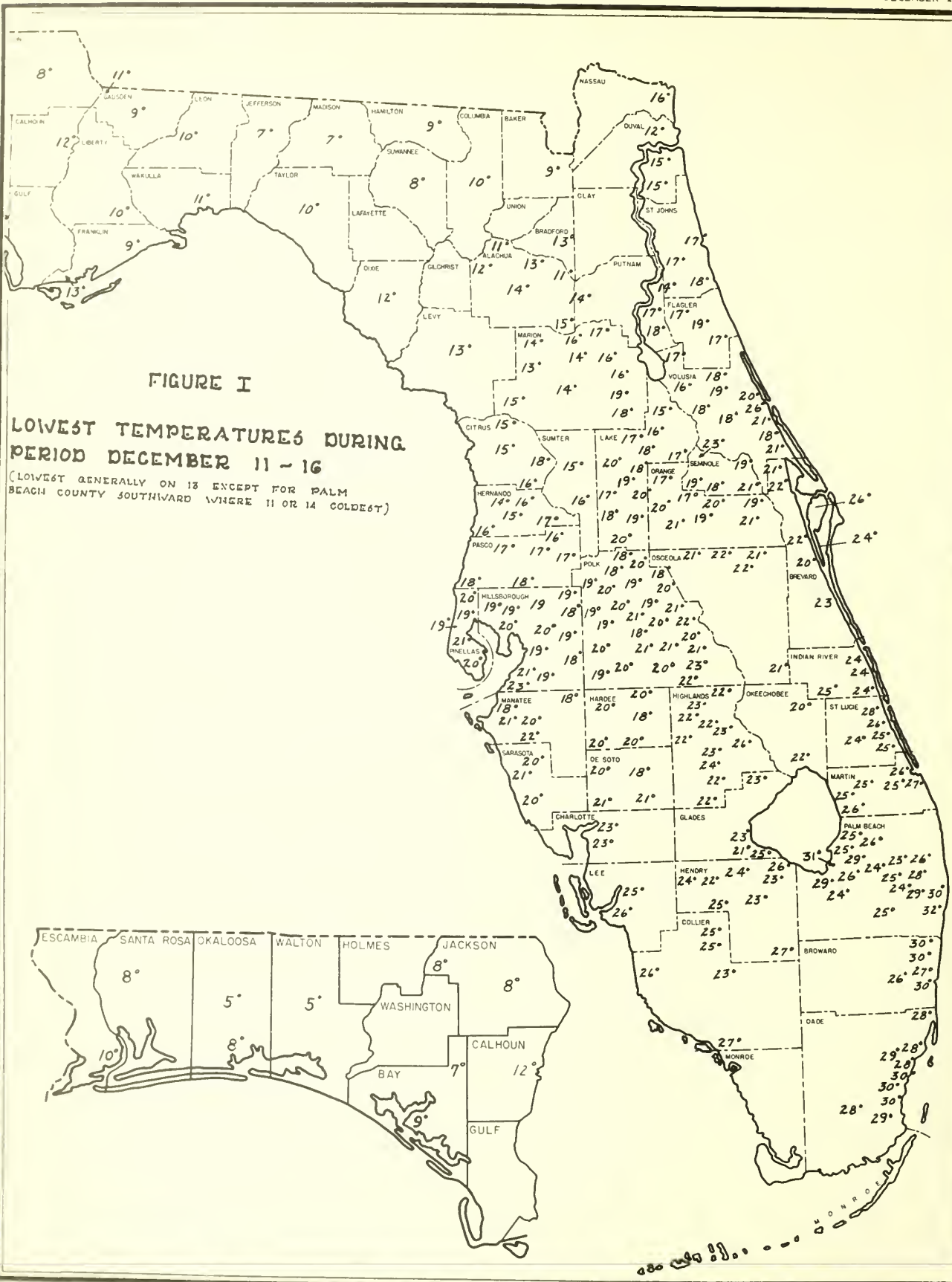
Warren O. Johnson
 Meteorologist in Charge
 Weather Bureau Office
 P. O. Box 1058
 Lakeland, Florida

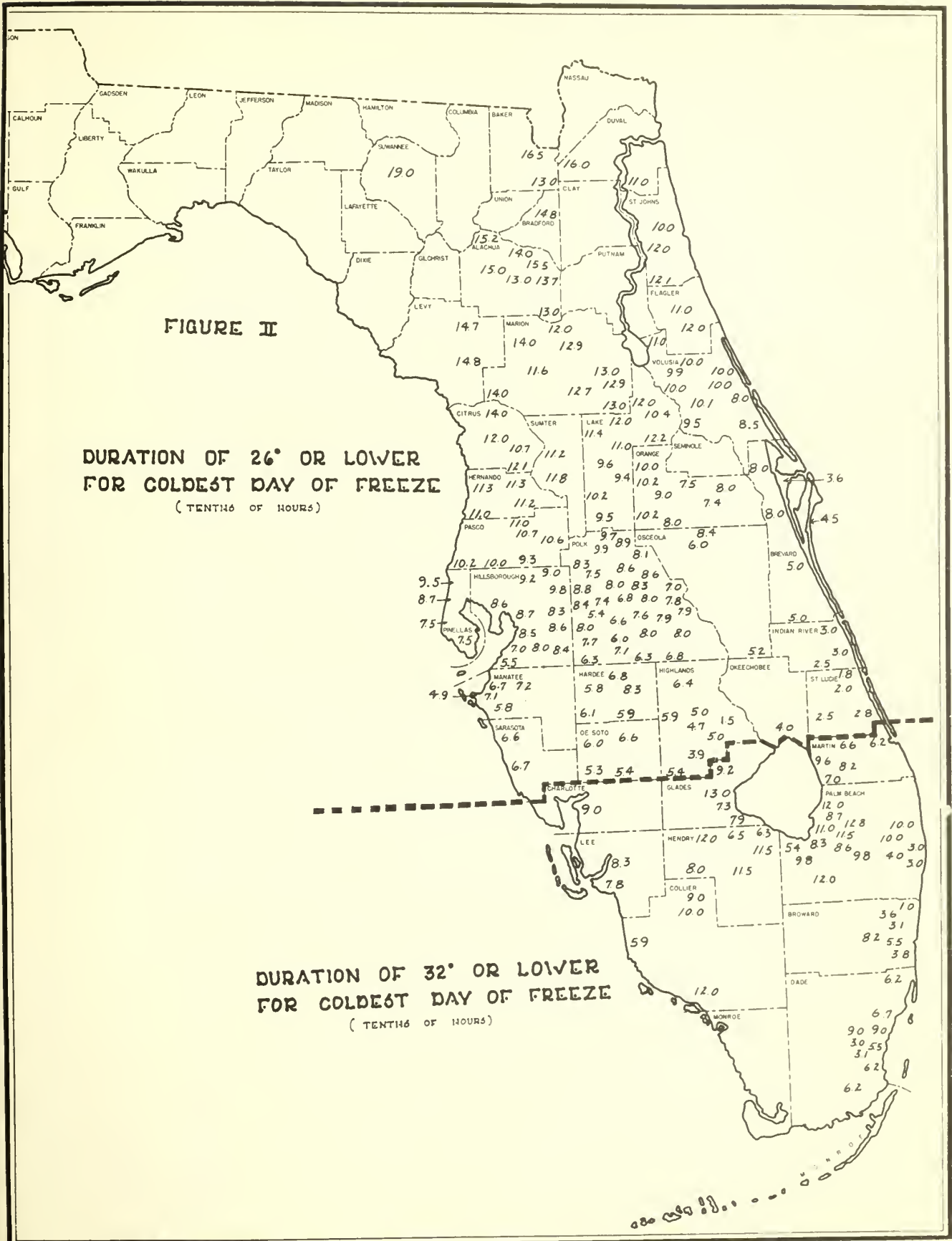
The blowing cold on the night of the 12th - 13th showed no favor to citrus groves on high ground and it was estimated that about 90 percent of the fruit on the trees was frozen in all areas except for portions of the Indian River area and southward where tree and fruit damages were mostly slight. In addition, freeze damages to citrus crops were not as extensive in Highlands and southeastern Polk counties. The bitter cold did not overspread these areas until the latter part of the night, hence temperatures there were not so low and durations of critically low temperatures were relatively short. Minimums on the 14th were slightly higher generally, particularly in high-ground groves. However, durations of 26° or lower were nearly as long in low-ground groves as they were on the 13th. Unprotected low-ground groves also sustained some damage on the 11th. An abnormally cold November and early December was conducive to citrus tree dormancy; consequently, considering the very low temperatures and long durations, the apparent wood damage was rather light. Young trees suffered the greatest damage and many recently planted trees were apparently killed back to the bank. Most unprotected older groves in the northern and central areas were completely defoliated. Wood damages sustained by mature trees will not be known for several months. Fruit salvaging by concentrators and canners moved forward at a rapid rate immediately after the freeze and a large portion of the frozen fruit was utilized. Salvaging operations were favored by the relatively slow temperature rise following the freeze; minimum temperatures in most groves did not rise above 50° until the 20th.

Damages sustained by growers of tender truck crops north of Lake Okeechobee were almost complete. In the Everglades unprotected vegetables were destroyed in all but the exceptionally favorable locations. Tender vegetables in the coastal sections of Dade, Broward, and Palm Beach counties sustained spotty damage with many locations escaping with only minor damage. Hardy truck crops suffered varying degrees of damage but very little, if any, were completely destroyed. Ornamentals, including home shrubs, except the most hardy type, sustained severe damage in almost all areas of the State. Pastures throughout the State were browned; and cereal crops, used for winter forage in the northern and western counties, had their growth retarded. Sugar cane, except that growing in close proximity to the shores of Lake Okeechobee, was dealt a hard blow. Estimates indicate about 100,000 acres of cane were severely damaged by the freeze.

The heating of citrus groves and the covering of vegetable plants with soil were the only protective measures that proved effective on the cold windy night of the 12th - 13th. In the northern citrus areas where temperatures dropped into the teens, sufficient heaters were not available to save the fruit, but heating apparently did minimize tree damage. Groves in the central areas well equipped with heating devices did manage to save some fruit during the blowing cold. Heating and other freeze protection methods were quite effective on the mornings of the 11th and 14th.

Keith Butson
 Weather Bureau State Climatologist
 University Station
 P. O. Box 3658
 Gainesville, Florida





DAILY PRECIPITATION

FLORIDA
DECEMBER 1962

Continued

Station	Total	Day of Month																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
ST. PETERSBURG	.60	T				.09	T	.04				.05				T																				
SANBORN TOWER	2.26				T	.10		.26				.28												.06		.02		.48		.16						
SANFORD EXR STATION	.73					.11				.06		.10												.01		.15	.28	.02								
SARASOTA	.19	T			T	.07																														
SOUTH MIAMI S W	.70	.11	.02			.05		.06	T													T					.01	.34		.05	.02					
STARKE	2.07	.22				.38						.38															.09	.10	.87	.03						
STUART 1 N	.20				.01	.07																				.12										
TALLAHASSEE WB AP	2.44				.14				.20		.28	T				T								.05												
TAMIAMI TRL 40 MI BENO	.39	.20				.18			.01																		.12	.25	T	T	.11					
TAMRA WB AIRPORT	R .46	T	.02		.04			.10				.04																.24		T	.02					
TARPON SPGS SEWAGE PL	1.59	.03				.20				.22			.12																							
TAVERNIER	.54	.20						.28									T										.06									
TITUSVILLE 2 W	1.64							.16																												
USHER TOWER	2.30	.06						.26					.48																							
VENICE	.33					.31																													.02	
VERO BEACH FAA AIRPORT	.71	.02	T		.04	.03			.08			T															.10	.44								
WAUCHULA 2 N	.43					.02			.14																			.18								
W PALM BEACH RADIO WJNO	1.06	.01			T	.05																			.10		.63								.09	
WEST PALM BEACH WB AR R	1.21	T	T		T	.05		T																										.27	T	
WINTER HAVEN	.23	T				.08			.02	.05					T												1.15						.01			
WOODRUFF OAM	3.80	.72				.14		.18	.10			.12					.04	.03																.04	.13	

REFERENCE NOTES

- Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.
- Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.
- Delayed data and corrections will be carried only in the June and December issues of this bulletin.
- Monthly and seasonal heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.
- Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.
- Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for May 1956.
- Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.
- Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.
- Normals for all stations are climatological standard normals based on the period 1931-1960.
- Data in the "Extremes" Table, "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.
- In the Station Index the letters C, G, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table, "Daily Precipitation" Table, "Evaporation and Wind" Table, "Daily Soil Temperature" Table, and the Station Index
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- Amount included in following measurement, time distribution unknown.
- # The thermometers are generally exposed in a shelter located a few feet above sod-covered ground, however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- / Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a. m., EST of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA, NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc. of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

DAILY TEMPERATURES

FLORIDA DECEMBER 1962

Continued

Table with columns: Station, Day Of Month (1-31), and Average. Rows include stations like PALATKA, PANAMA CITY 2, VARIOUS, PENSACOLA FAA AIRPORT, PENSACOLA WB CITY, PERRY, PLANT CITY, POMPANE BEACH, PUNTA GORDA, QUINCY EXP STATION, ROYAL RALM RANGER STA, SAINT AUGUSTINE, SAINT LEO, SAINT MARKS 6 SE, ST PETERSBURG, SANBORN TOWER, SANFORD EXP STATION, SARASOTA, SOUTH MIAMI 5 W, STARKE, STUART 1 N, TALLAHASSEE WB AP, TAMIAI TRL 40 MI BEND, TAMPA WB AIRPORT, TARRON SRGS SEWAGE PL, TAVERNIER, TITUSVILLE 2 W, USHER TOWER, VENICE, VERO BEACH FAA AIRPORT, WAUCHULA 2 N, WALM BEACH RADIO WJNO, WEST PALM BEACH WB AR, WINTER HAVEN, WOODCREEK DAM.

See reference notes following Station Index.

DAILY PRECIPITATION

FLORIDA
DELAYED DATA

Station	Day of month																															Tot Precip				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
JUNE 1962																																				
BIG CYPRESS RESERVATION	.08			.89						.26	.04	.54	.05		.24	2.02	.02		1.16	.02	3.38					.08										8.78
FOUNTAIN 3 SSE		.12		.01			.44	T		.01	.49	.11						.15		1.47	.10	1.03	.13	.62		.17		.20							5.05	
OKEECHOBEE 9 W	.25			.50						.50	1.50	.31	.09	.06	.11		.55	2.00	1.05	3.00	1.58	2.02	.40					1.40		.60					15.92	
JULY 1962																																				
ARCADIA	.14	.40							.34		.11	.23	.08			.02			.15	.24			.10	.43			.22								2.46	
MYAKKA RIVER ST PARK	.84	.12			.30				.25	.03	.12	.18							.07	.20													1.4	1.30	3.55	
PARRISH	.15			.01			.09	.84	1.10	.86		.03	T		.16			.30		T	.01		.26	T	.38	T			1.85	T				6.04		
VENICE	.45				.11			.10	.35	.19	.69									.04									.02	.04		.01			2.02	
AUGUST 1962																																				
KISSIMEE 2	.05	.35	.40	.43	.10	.10			.41	.20	.30		.10	.15	.05	.40	.30	.05	.40	.30		.53	.40	.50	.45										5.97	
PALATKA	.10	.51	2.31	.03	.99		.02	1.04								1.92			.20	1.37	.25	1.32	.05	.34	.49								.60	11.54		
SEPTEMBER 1962																																				
BLOUNTSTOWN 2 SE							2.82		1.01	.82					.25	.37	.19										2.24								7.70	
CORNWELL 4 NW	.51	.28	.16			.72			.84				.44						.15	1.00	T	.55	T	.19		.22	.07	T						5.13		
FOUNTAIN 3 SSE	.67	.40				1.48		.40	.20	.68	2.00	.24	.36	.01								.02	1.16	1.22	.10									8.94		
MAYO 5 NW	.07		.39		.39	1.23	.66	1.15	.32		.53	.33			.53		.03	.71	1.8	.02		.05	.08											6.87		
STARKE	.60	.08				1.26	.02	.05	.04									.01	.08	.05		1.80	.05	.01	.01						.23			4.29		
OCTOBER 1962																																				
BASINGER												.04			.06							.01													-	
FOUNTAIN 3 SSE	1.85			.55				.94												.44	.03														3.81	
OKEECHOBEE 9 W																																				-
STEINHATCHEE MCCAIN TWR	.41							.11														.90											.32		1.74	
TITUSVILLE 2 W								.22								1.15						.11													1.48	
NOVEMBER 1962																																				
PENSACOLA FAA AIRPORT			T					3.16			.43							.08		.73	1.07											T	.02		5.49	

EVAPORATION AND WIND

Station	Day of month																															Total or Avg	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARCH 1962																																	
GAINESVILLE 3 WSW	WIND	25	60	70	35	60	170	95	15	35	35	40	50	55	35	55	50	55	15	15	25	60	65	35	40	15	85	60	15	35	30	60	1495

CORRECTED DATA

Annual 1961	Average Temperature and Departure Table - Page 198	Individual monthly headings should read, temperature and departure.
June 1962	Daily Precipitation Table	Clewiston Precipitation on the 24th should be 0, monthly total, 6.22.
September 1962	Daily Precipitation Table	Okceehobee 9 W Precipitation on the 30th should be 2.60, monthly total, 12.23.
September 1962	Daily Temperature Table	Clearwater Minimum temperature on the 23d should be 70, average minimum, 72.6.
September 1962	Climatological Data Table	Clearwater Average minimum temperature should be 72.6, average temperature, 80.

STATION INDEX

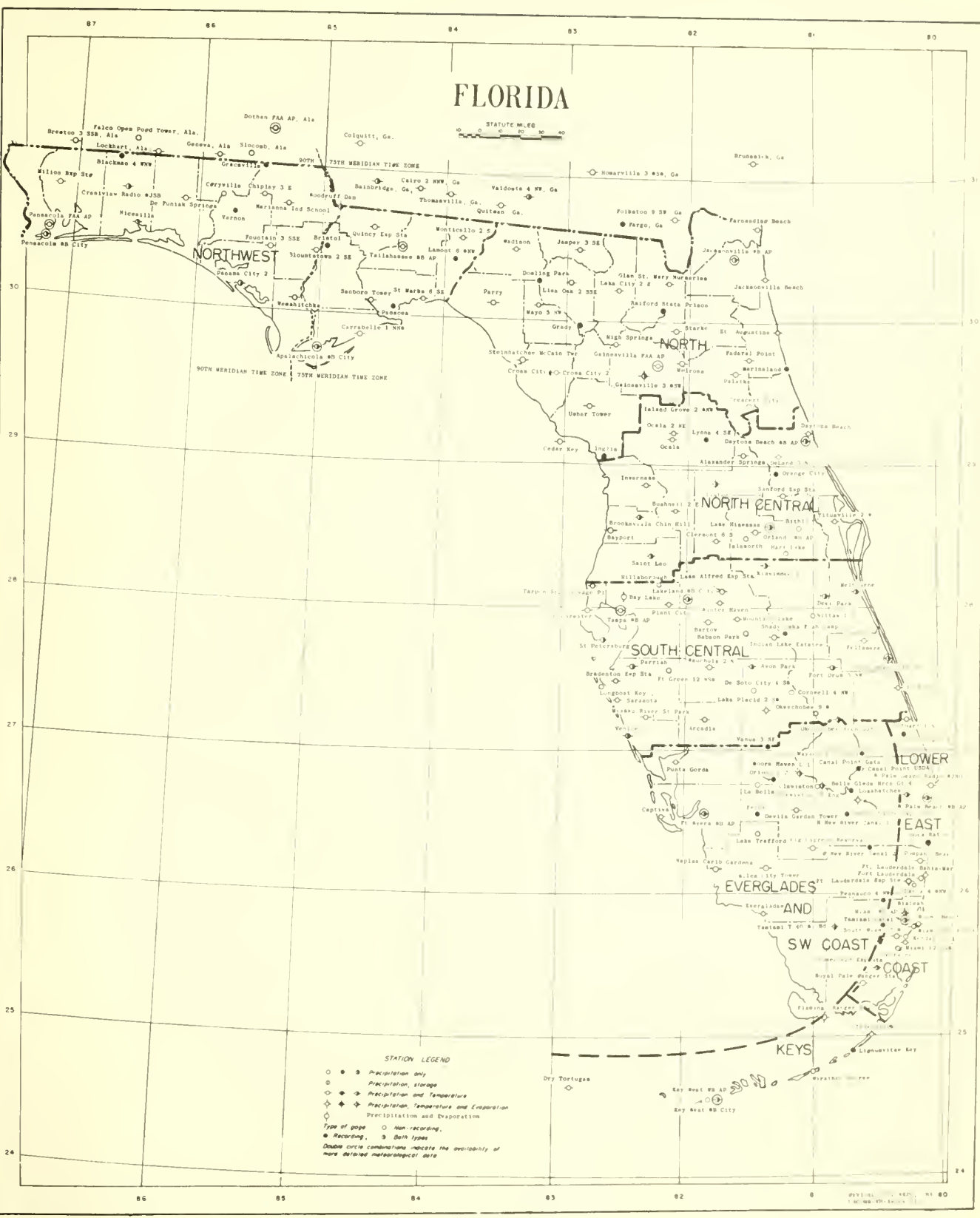
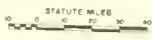
FLORIDA 1962

Main table listing station details including Station, County, Drainage, Latitude, Longitude, Elevation, Observation Time and Tables, Observer, Station, County, Drainage, Latitude, Longitude, Elevation, Observation Time and Tables, and Observer.

1-APALA-NICOLA, 2-ATLANTIC, 3-HOCHAMATCHEE, 4-EVERGLADES, 5-GULF, 6-OCHEECHOBEE, 7-OKEECHOBEE, 8-ST. JOHNS, 9-ST. MARY, 10-SUNANNEE

See Reference Notes on Page 163

FLORIDA



STATION LEGEND

- ● ● Precipitation only
- ⊙ Precipitation storage
- ◆ ◆ Precipitation and Temperature
- ◆ ◆ Precipitation and Evaporation
- ◆ ◆ Precipitation and Evaporation
- Non-recording
- Recording, ⊙ Both types

Double circle combinations indicate the availability of more detailed meteorological data



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LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

FLORIDA



ANNUAL SUMMARY 1962

Volume 66 No. 13



Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

FLORIDA
1962

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure		
STARKE	53.6	M	60.5	M	57.9	M	62.5	M	75.9	M	76.7	-	82.2	M	80.1	-	77.8	-	69.9	-	57.1	-	51.8	-	-	-	-	-
STEINHATCHEE MCCAINTWR	65.9		69.2		68.4		71.7		77.2		79.6		83.0		83.2		80.9		78.3		77.7		67.2		61.5		73.8	
STUART 1 N	51.0		62.2		57.4	- 3.2	65.1	- 2.4	78.1	3.2	79.9	- 0.3	82.4	1.1	80.6	- 0.5	78.3	0.2	69.4	- 0.2	79.3	- 0.2	56.2	- 3.0	50.6	- 3.5	67.6	- 0.4
TALLAHASSEE WB AP	67.6	- 2.9	70.8	6.6	68.7		71.5		74.9		80.3		83.4		84.1		82.7		80.9		77.7		67.2		61.5		73.8	
TAMIAIAMI TRL 40 MI 8ENO	60.5	- 0.7	66.8	4.1	63.8	- 2.2	69.4	- 2.0	77.9	1.1	79.6	- 1.0	83.0	1.4	81.9	- 0.1	79.7	- 0.8	74.8	- 0.1	62.5	- 4.3	58.2	- 4.1	71.5	- 0.7	70.9	- 1.4
TAMPA WB AIRPORT	58.9	- 2.2	66.0	3.2	63.8	- 2.5	67.2	- 3.9	76.8	0.2	80.2	- 0.6	83.2	1.2	81.9	- 0.4	80.2	- 0.8	74.0	- 0.9	61.7	- 5.2	57.5	- 4.5	70.9	- 1.4	76.0	-
TARPOON SPGS SEWAGE PL	59.4		72.6		72.8		74.8		77.9		81.1		84.2		83.2		81.5		78.7		69.6		65.4		57.4		74.8	
TAVERNIER	61.8	0.1	67.1	4.1	63.7	- 2.6	69.8	- 1.2	77.4	1.0	79.8	- 0.6	82.6	0.9	81.7	- 0.2	78.5		76.1	- 0.7	63.5	- 4.2	57.4	-	74.8		70.9	-
TITUSVILLE 2 W	54.5		62.5		60.0		65.0		76.5		78.0		81.7		80.5		78.5		76.5		71.4		58.3		53.5		68.4	
USHER TOWER	62.7		64.2		63.3		68.9		75.7		80.1		83.4		81.9		80.8		75.7		64.7		60.2		71.8		71.8	
VERO BEACH FAA AIRPORT	63.7		68.2		66.8		70.1		77.2		79.7		82.9		82.3		80.3		76.2		65.2		59.5		72.7		72.7	
WAUCHULA 2 N	63.5		69.0		66.4		70.6		78.3		80.2		83.0		82.2		80.4		76.7		63.3		57.8		72.5		72.5	
W PALM BEACH RADIO WJNO	68.5	M	71.8	M	70.3	M	72.7	M	76.7	M	79.4	M	82.1	M	83.2	M	81.6	M	77.8	M	69.4	M	63.9	M	74.8	M	74.8	M
WEST PALM BEACH WB AP	67.2	0.3	70.4	2.8	69.1	- 0.8	72.6	- 1.3	77.4	- 0.2	80.0	- 1.0	83.5	0.9	82.9	- 0.1	81.6	- 0.5	78.2	0.0	67.9	- 4.6	62.8	- 5.4	74.5	- 0.8	74.5	- 0.8
WEWAHITCHKA	52.5		63.2		59.0		65.5		77.8		79.6		82.4		81.9		77.9		75.1		-		-		-		-	
WINTER HAVEN	62.5		68.9		65.3		69.8		77.7		79.5		81.5		81.1		79.4		75.1		63.1		59.1		71.9		71.9	
WOODRUFF DAM	51.4	M	60.8	M	58.2	M	65.0	M	78.4	M	80.5	M	82.9	M	81.9	M	77.8	M	70.3	M	56.3	M	48.8	M	67.7	M	67.7	M
DIVISIONAL AVERAGES																												
NORTHWEST	50.8	- 3.1	61.7	5.9	58.1	- 2.4	64.8	- 2.4	77.9	3.4	79.6	- 0.3	82.7	1.6	81.5	- 0.4	77.7	- 0.2	70.3	0.7	56.7	- 2.7	51.6	- 2.7	67.8	- 0.1	67.8	- 0.1
NORTH	54.1	- 2.9	63.2	4.5	59.4	- 3.4	66.6	- 2.2	77.7	2.4	79.5	- 0.6	82.5	1.1	81.1	- 0.4	78.4	- 0.7	71.6	0.0	58.6	- 4.2	52.6	- 4.8	68.8	- 0.9	68.8	- 0.9
NORTH CENTRAL	59.0	- 1.5	66.4	3.9	62.6	- 3.1	68.8	- 2.0	78.2	1.8	80.0	- 0.3	82.6	1.0	81.6	- 0.1	79.7	- 0.3	73.4	- 0.6	61.9	- 4.3	56.6	- 4.7	70.9	- 0.8	70.9	- 0.8
SOUTH CENTRAL	62.4	0.3	67.7	3.9	65.4	- 1.6	69.8	- 2.0	77.5	0.7	79.8	- 0.6	82.7	1.1	81.9	- 0.1	80.2	- 0.4	75.0	- 0.1	63.8	- 4.1	58.9	- 4.5	74.1	- 0.6	74.1	- 0.6
EVERGLADES AND SW COAS	65.2	0.5	69.1	3.2	67.7	- 1.1	71.0	- 1.9	76.4	- 0.6	80.1	- 0.2	83.0	1.3	82.8	0.8	81.1	- 0.1	77.1	0.3	66.4	- 3.9	61.4	- 4.6	73.4	- 0.6	73.4	- 0.6
LOWER EAST COAST	67.5	0.6	70.4	2.8	69.6	- 0.4	72.6	- 1.0	76.4	- 0.6	79.6	- 0.6	82.8	1.3	82.6	0.8	81.0	0.0	77.6	0.2	68.0	- 4.0	63.1	- 5.1	74.3	- 0.5	74.3	- 0.5
KEYS	69.9	- 0.3	73.4	2.4	73.1	- 0.2	75.3	- 1.3	78.5	- 1.3	81.9	- 0.5	85.3	2.0	84.6	0.5	82.6	0.1	79.9	0.7	71.2	- 3.3	67.3	- 3.9	76.9	- 0.4	76.9	- 0.4

A narrative Special Weather Summary appeared in the December issue of this publication for 1962.

SOIL TEMPERATURES

FLORIDA
1962

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes		
GAINESVILLE 3 MSW																												
1 INCH	59.4	75/40	67.3	82/53	-	82/53	-	---	85.8	100/72	86.0	100/76	89.2	---	-	---	-	---	-	---	-	---	-	---	58.5	74/42	-	---/40
4 INCHES	57.5	71/43	65.3	77/54	65.9	76/54	-	---	81.6	91/73	82.7	92/76	85.8	---	-	---	-	---	-	---	-	---	-	---	55.5	68/36	-	---/36
8 INCHES	57.2	69/45	65.1	75/54	65.0	76/56	-	---	73.9	81/68	75.5	81/71	78.6	---	-	---	-	---	-	---	-	---	-	---	56.1	65/41	-	---/41

Monthly averages are obtained by taking the average of daily max and min values.
Slope of Ground: No perceptible slope of surface. Soil Type: Arredonda fine sand. Ground Cover: Bahiagraee eod. Instrumentation: 3-point Foxboro Thermograph.

CHANGES IN STATION NAMES

NEW NAME	FORMER NAME	DATE - 1962
FLAMINGO RANGER STATION	CAPE SABLE RANGER STATION	March 1
FOUNTAIN 3 SSE	FOUNTAIN 3 S	March 1
PENNSUCO 5 NW	PENNSUCO 4 NW	November 28
STEINHATCHEE MC CAIN TWR	STEINHATCHEE 2	April 23

RELOCATION AND CHANGES OF EQUIPMENT

FLAMINGO RANGER STATION FOUNTAIN 3 SSE GRADY INVERNESS MIAMI BEACH	Evaporation equipment installed Equipment moved 1.0 mile E Equipment moved 300 feet S Equipment moved 0.9 mile N Recording rain gage installed	May 1 March 3 July 11 April 2 June 1
MILTON EXP STATION MOORE HAVEN LOCK 1 NORTE NEW RIVER CANAL 2 PANACEA PANAMA CITY 2	Equipment moved 30 feet S and Evaporation equipment installed Equipment moved 150 feet E Equipment moved 150 feet E Equipment moved 0.8 mile Equipment moved 2.3 miles SE	October 3 May 24 March 8, 1960 September 26 March 15
PENNSUCO 5 NW SAINT LEO STARKE STEINHATCHEE MC CAIN TWR	Equipment moved 1 mile NW Rain gage moved 25 feet N Equipment moved 0.7 mile S Equipment moved 3.9 miles NE	November 28 August 17 July 10 April 23

REFERENCE NOTES

Additional information regarding the climate of Florida may be obtained by writing to the State Climatologist at P. O. Box 3658, University Station, Gainesville, Florida, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological normals based on the period 1931 - 1960.

Climatological divisions, outlined on the maps in this bulletin became effective with data for May 1956.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record.

+ Also earlier date (dates) or months.

* Amount included in following measurement.

Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

B Adjusted to full month.

C Data for recorder stations denoted by "C" in the "Refer to tables" column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder - only stations may be found in the annual issue of "Hourly Precipitation Data".

E Amount is wholly or partially estimated.

G In the "Refer to tables" column of the Station Index the letter "G" indicates that soil temperatures are published.

M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.

T Trace, an amount too small to measure.

V Includes total for previous month. V in annual column means total is for a two-year period.

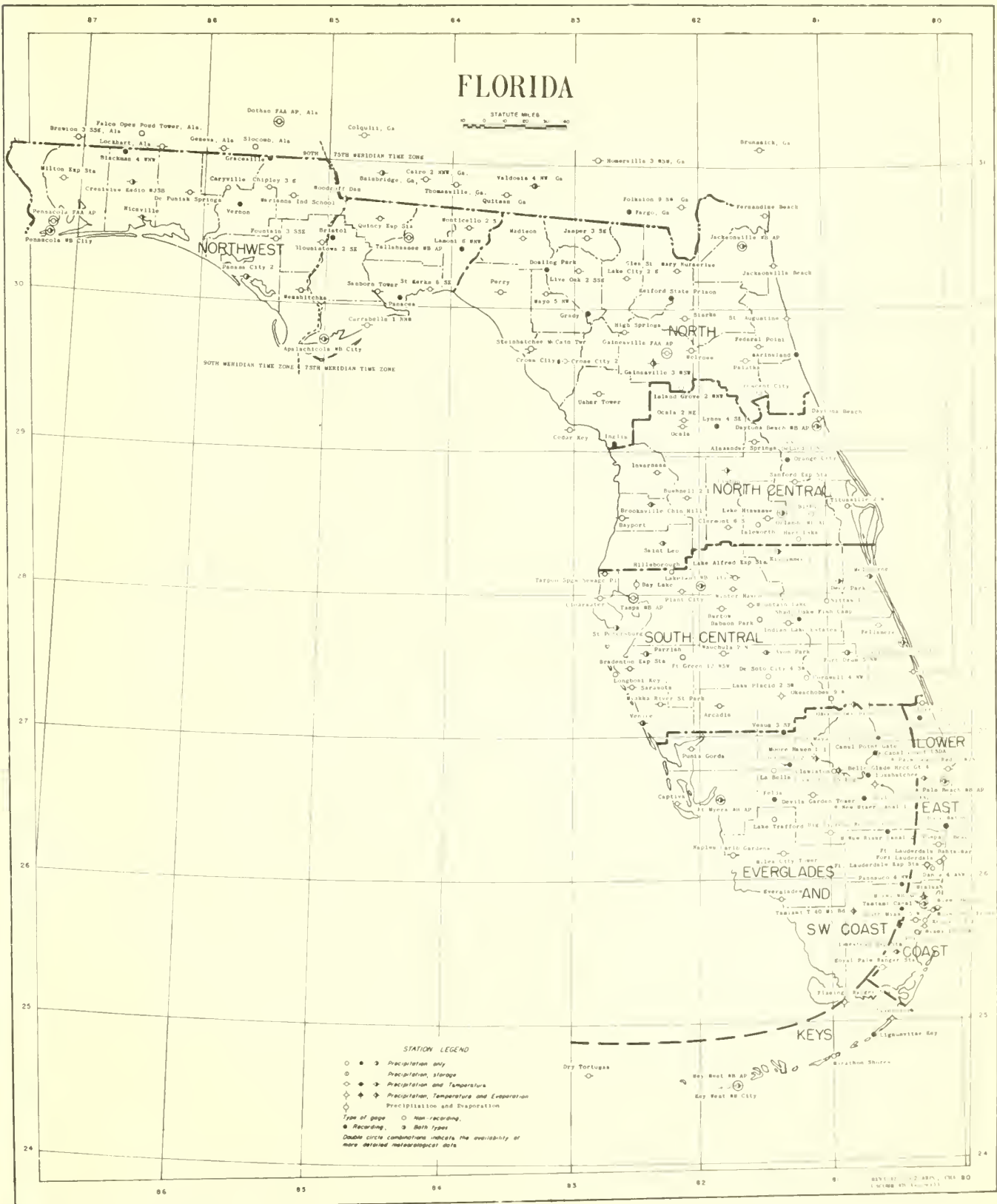
Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---10-10-63---1000

FLORIDA

STATUTE MILES



STATION LEGEND

- ● → Precipitation only
- ● → Precipitation, Storage
- ● → Precipitation and Temperature
- ● → Precipitation, Temperature and Evaporation
- ● → Precipitation and Evaporation

Type of gauge ○ Non recording,
● Recording, ○ Both types

Double circle combinations indicates the availability of more detailed meteorological data

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