

1999

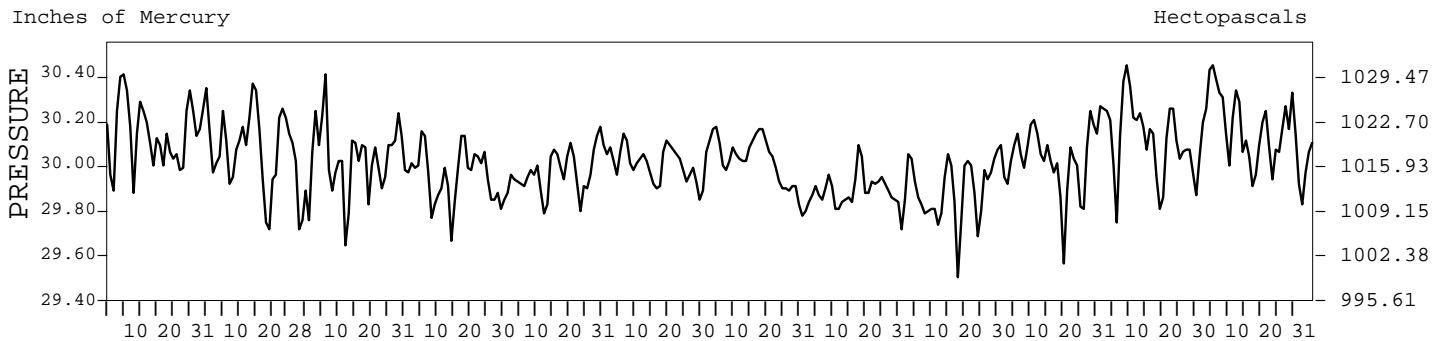
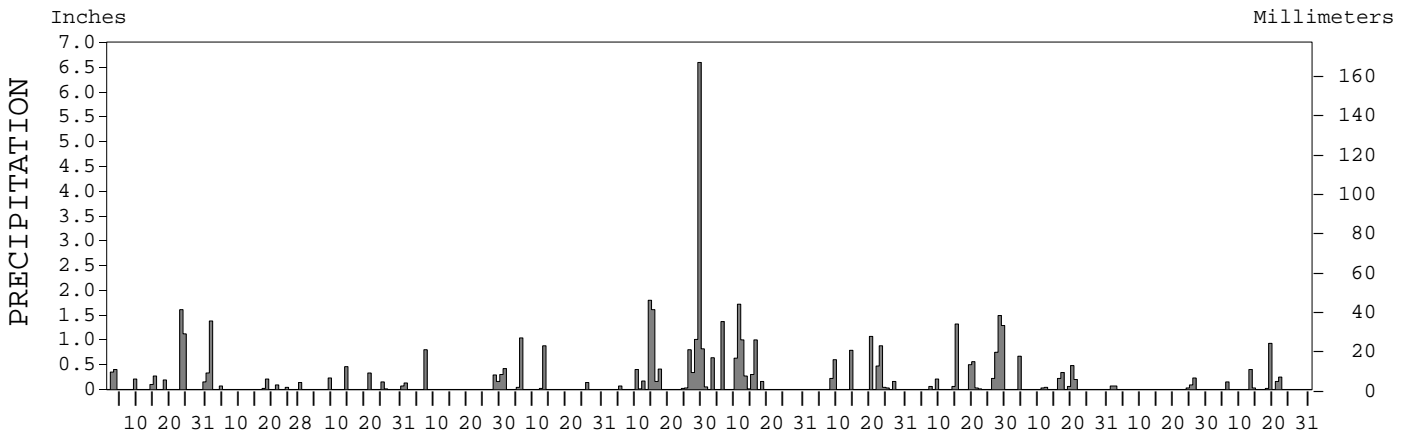
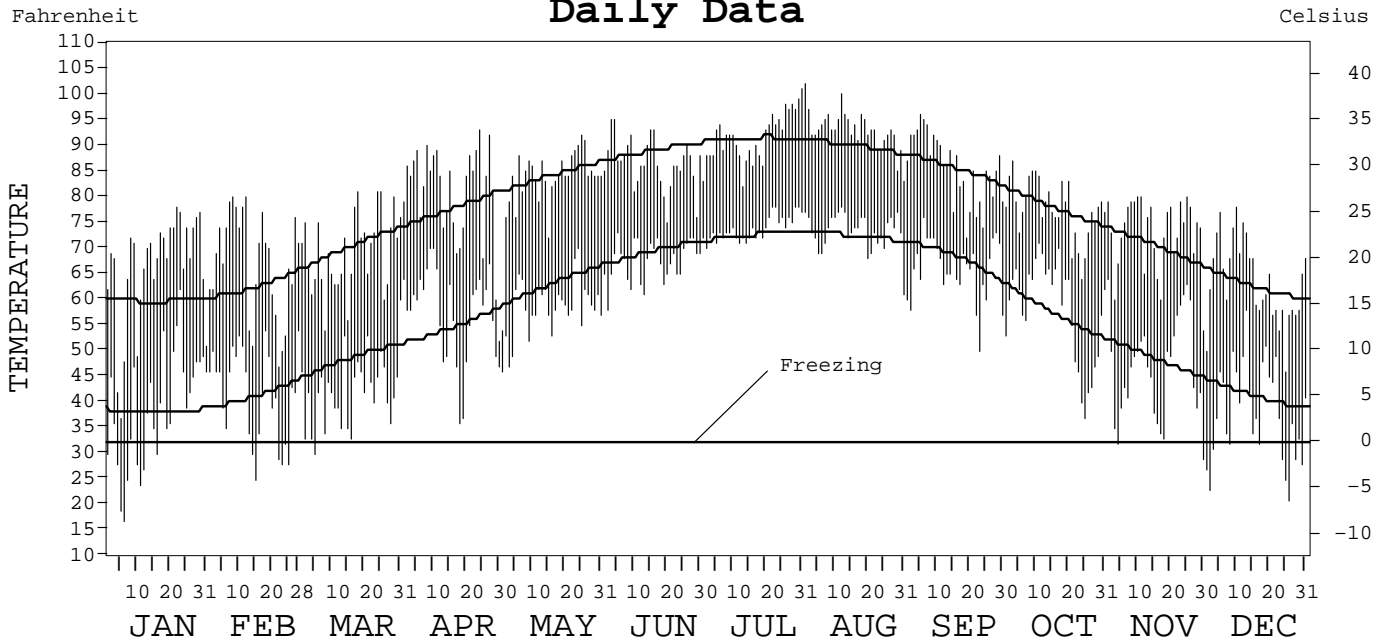
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1668

SAVANNAH,
GEORGIA (SAV)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE
 NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER
 ASHEVILLE, NORTH CAROLINA
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1999

SAVANNAH, GA (SAV)

LATITUDE: 32° 07' 08" N LONGITUDE: 81° 12' 08" W ELEVATION (FT): GRND: 49 BARO: 49 TIME ZONE: EASTERN (UTC + 5) WBAN: 03822

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	66.0	67.1	69.3	80.6	83.1	86.6	91.6	93.0	85.5	77.6	72.9	63.5	78.1	
	HIGHEST DAILY MAXIMUM	78	80	81	93	92	95	101	102	96	87	80	78	102	
	DATE OF OCCURRENCE	22	12+	25+	24	25	04+	31	01	05	03	25+	10	AUG 01	
	MEAN DAILY MINIMUM	38.7	41.5	42.2	57.3	58.4	67.5	73.8	73.2	65.9	58.0	46.4	38.0	55.1	
	LOWEST DAILY MINIMUM	17	25	30	36	46	58	70	61	50	37	29	21	17	
	DATE OF OCCURRENCE	06	15	05	18	01	02	02	31	23	25	30	26	JAN 06	
	AVERAGE DRY BULB	52.4	54.3	55.8	69.0	70.8	77.1	82.7	83.1	75.7	67.8	59.7	50.8	66.6	
	MEAN WET BULB	48.1	48.8	49.0	61.6	64.1	71.5	76.3	76.2	69.2	62.7	54.1	46.4	60.7	
	MEAN DEW POINT	43.8	42.8	41.6	56.6	60.0	69.0	74.2	73.6	65.9	59.5	49.8	41.3	56.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	3	3	8	19	26	9	0	0	0	0	68
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	9	6	1	0	0	0	0	0	0	0	2	10	28	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	390	294	283	60	17	0	0	0	0	56	179	436	1715	
	COOLING DEGREE DAYS	7	1	4	187	205	368	556	568	328	153	26	1	2404	
RH	MEAN (PERCENT)	77	71	65	71	73	81	81	77	76	79	76	74	75	
	HOUR 01 LST	90	84	83	83	92	94	93	91	90	91	92	87	89	
	HOUR 07 LST	92	90	84	87	89	93	93	91	88	92	92	88	90	
	HOUR 13 LST	54	48	43	50	51	62	63	57	58	59	49	51	54	
	HOUR 19 LST	74	63	58	64	67	77	77	74	76	81	81	75	72	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	6	5	2	4	2	2	3	0	2	1	3	5	35	
	THUNDERSTORMS	5	2	0	4	3	7	10	8	3	1	0	0	43	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
PR	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)	30.14	30.06	30.01	29.95	29.96	30.00	30.01	29.88	29.88	30.05	30.11	30.12	30.01	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.11	30.06	30.00	30.01	30.05	30.06	29.93	29.94	30.10	30.16	30.17	30.07	
WINDS	RESULTANT SPEED (MPH)	0.2	1.3	0.2	1.2	1.7	1.0	0.6	0.3	3.3	3.9	2.0	1.1	0.9	
	RES. DIR. (TENS OF DEGS.)	15	29	09	24	08	34	33	20	02	03	02	32	01	
	MEAN SPEED (MPH)	5.8	6.0	7.4	7.5	5.9	6.5	4.2	5.2	6.8	6.6	4.9	4.9	6.0	
	PREVAIL. DIR. (TENS OF DEGS.)	06	25	28	18	35	04	19	17	04	04	04	27	04	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	29	25	32	26	26	23	32	37	40	32	24	20	40	
	DIR. (TENS OF DEGS.)	17	27	16	02	28	18	04	34	01	36	03	02	01	
	DATE OF OCCURRENCE	23	28	14	30	13	29	06	20	15	17	30	25	SEP 15	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	37	37	41	33	43	33	38	45	53	44	31	29	53	
DIR. (TENS OF DEGS.)	16	28	17	01	27	18	04	01	36	01	31	21	36		
DATE OF OCCURRENCE	23	28	14	30	13	29	06	20	15	17	02	19	SEP 15		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.73	1.95	1.25	1.68	2.54	14.25	7.15	4.26	6.50	2.04	0.49	1.94	48.78	
	GREATEST 24-HOUR (IN.)	2.73	1.38	0.46	0.80	1.04	6.77	1.72	1.35	1.84	0.67	0.27	0.95	6.77	
	DATE OF OCCURRENCE	23-24	01	14	07	06	28-29	11	22-23	27-28	04	25-26	18-19	JUN 28-29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	10	7	6	5	6	15	11	9	12	8	5	7	101	
PRECIPITATION ≥ 0.10	10	3	4	5	4	11	9	7	8	5	1	5	72		
PRECIPITATION ≥ 1.00	2	1	0	0	1	4	4	1	3	0	0	0	16		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

NORMALS, MEANS, AND EXTREMES

SAVANNAH, GA (SAV)

LATITUDE: 32° 07' 08" N LONGITUDE: 81° 12' 08" W ELEVATION (FT): GRND: 49 BARO: 49 TIME ZONE: EASTERN (UTC + 5) WBAN: 03822

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	59.7	62.4	70.1	77.5	84.0	88.8	91.1	89.7	85.2	77.5	70.0	62.3	76.5
	MEAN DAILY MAXIMUM	49	60.3	63.7	70.2	77.8	84.4	89.1	91.6	90.3	85.7	78.1	70.0	62.6	77.0
	HIGHEST DAILY MAXIMUM	49	84	86	91	95	100	104	105	104	98	97	89	83	105
	YEAR OF OCCURRENCE		1957	1989	1974	1986	1953	1985	1986	1954	1986	1986	1961	1971	JUL 1986
	MEAN OF EXTREME MAXS.	49	75.9	79.6	84.5	89.4	93.7	97.4	98.3	97.0	93.8	88.4	82.4	77.9	88.2
	NORMAL DAILY MINIMUM	30	38.1	41.1	48.3	54.5	62.9	69.2	72.4	72.2	67.8	56.9	48.1	41.0	56.0
	MEAN DAILY MINIMUM	49	38.4	41.3	47.5	54.1	62.3	69.2	72.2	71.9	67.7	56.8	46.8	40.3	55.7
	LOWEST DAILY MINIMUM	49	3	14	20	32	39	51	61	57	43	28	15	9	3
	YEAR OF OCCURRENCE		1985	1958	1980	1987	1963	1984	1972	1986	1967	1952	1970	1983	JAN 1985
	MEAN OF EXTREME MINS.	49	21.1	24.6	30.3	38.8	49.0	60.2	66.7	65.7	56.4	39.5	29.5	23.2	42.1
	NORMAL DRY BULB	30	48.9	51.8	59.2	66.0	73.5	79.1	81.8	81.0	76.6	67.3	59.1	51.7	66.3
	MEAN DRY BULB	49	49.4	52.5	58.7	66.0	73.2	79.2	81.9	81.1	76.7	67.4	58.2	51.4	66.3
	MEAN WET BULB	16	45.6	48.5	53.0	58.3	66.0	72.2	75.1	74.7	70.8	62.3	54.8	44.6	60.5
	MEAN DEW POINT	16	39.6	42.1	46.7	52.2	61.4	69.0	72.3	72.2	68.2	58.5	50.5	39.6	56.0
NORMAL NO. DAYS WITH:	MAXIMUM ≥ 90°	30	0.0	0.0	0.1	1.5	5.5	14.2	21.1	18.1	7.4	0.7	0.0	0.0	68.6
	MAXIMUM ≤ 32°	30	0.2	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
	MINIMUM ≤ 32°	30	10.8	7.2	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.4	8.4	30.9
	MINIMUM ≤ 0°	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H/C	NORMAL HEATING DEG. DAYS	30	516	378	204	47	0	0	0	0	0	63	213	426	1847
	NORMAL COOLING DEG. DAYS	30	16	9	24	77	266	423	521	496	348	135	36	14	2365
RH	NORMAL (PERCENT)	30	70	67	67	65	70	74	76	79	78	73	72	71	72
	HOUR 01 LST	30	78	77	78	79	84	86	88	90	88	84	83	79	83
	HOUR 07 LST	30	82	81	83	83	85	87	89	91	91	87	86	82	86
	HOUR 13 LST	30	54	51	49	46	50	55	58	61	60	53	52	54	54
	HOUR 19 LST	30	66	61	60	58	63	68	72	76	76	72	72	69	68
S	PERCENT POSSIBLE SUNSHINE	46	54	57	62	71	68	65	63	62	57	63	61	55	62
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	49	4.5	3.2	3.1	2.7	3.0	2.4	1.1	2.0	3.6	3.3	4.7	4.7	38.3
	THUNDERSTORMS	49	1.1	1.4	2.9	3.7	7.0	10.2	14.9	12.1	5.5	1.6	0.6	0.6	61.6
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	46	5.0	4.9	4.8	4.3	4.6	4.9	4.9	4.9	4.9	4.1	4.2	4.8	4.7
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.6	4.5	4.3	3.7	4.1	4.4	4.5	4.4	4.3	3.7	3.8	4.3	4.2
	MEAN NO. DAYS WITH:														
CLEAR	46	9.3	8.5	9.0	10.6	9.2	6.8	5.6	5.8	7.0	11.8	11.0	9.2	103.8	
PARTLY CLOUDY	46	6.0	6.2	8.5	8.6	10.0	11.2	13.6	13.6	10.3	7.9	7.0	7.1	110.0	
CLOUDY	46	15.7	13.7	13.5	10.7	11.8	12.0	11.9	11.6	12.6	11.4	12.0	14.7	151.6	
PR	MEAN STATION PRESSURE (IN)	27	30.09	30.05	30.00	29.98	29.96	29.96	29.99	29.99	29.99	30.03	30.07	30.09	30.02
	MEAN SEA-LEVEL PRES. (IN)	16	30.14	30.10	30.06	30.02	30.01	30.01	30.05	30.02	30.02	30.08	30.12	30.15	30.06
WINDS	MEAN SPEED (MPH)	36	8.5	9.2	9.1	8.7	7.7	7.4	7.1	6.7	7.2	7.6	7.5	7.8	7.9
	PREVAIL. DIR (TENS OF DEGS)	23	27	30	27	18	18	23	23	23	04	04	03	27	27
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	3	29	31	32	26	29	43	45	37	40	32	24	25	45
	DIR. (TENS OF DEGS)		17	09	16	02	30	05	04	34	01	36	03	01	04
	YEAR OF OCCURRENCE		1999	1998	1999	1999	1997	1998	1997	1999	1999	1999	1999	1997	JUL 1997
	MAXIMUM 5-SECOND:														
SPEED (MPH)	3	38	37	41	33	43	56	51	54	54	44	31	33	56	
DIR. (TENS OF DEGS)		31	28	17	01	27	06	04	06	17	01	31	26	06	
YEAR OF OCCURRENCE		1998	1999	1999	1999	1999	1998	1997	1997	1998	1999	1999	1997	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	3.59	3.22	3.78	3.03	4.09	5.66	6.38	7.46	4.47	2.39	2.19	2.96	49.22
	MAXIMUM MONTHLY (IN)	49	8.98	7.92	9.57	10.57	10.08	14.39	20.10	17.03	13.47	19.84	5.26	5.80	20.10
	YEAR OF OCCURRENCE		1991	1964	1959	1991	1957	1963	1964	1995	1993	1994	1993	1977	JUL 1964
	MINIMUM MONTHLY (IN)	49	0.45	0.26	0.18	0.38	0.51	0.84	1.35	1.02	0.35	0.02	0.15	0.12	0.02
	YEAR OF OCCURRENCE		1989	1991	1955	1986	1953	1954	1972	1980	1991	1963	1966	1984	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	49	3.74	3.46	4.65	5.62	5.67	6.77	6.36	8.71	6.80	8.86	5.02	3.47	8.86
	YEAR OF OCCURRENCE		1998	1964	1959	1976	1976	1999	1957	1995	1979	1994	1969	1964	OCT 1994
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	9.6	8.8	9.1	6.9	8.7	11.1	13.7	13.3	9.7	6.0	6.4	8.5	111.8	
PRECIPITATION ≥ 1.00	30	0.9	0.6	1.2	0.9	1.2	1.7	1.9	2.2	1.4	0.5	0.6	0.7	13.8	
SNOWFALL	NORMAL (IN)	30	0.1	0.3	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	MAXIMUM MONTHLY (IN)	46	2.0	3.6	1.1	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	3.6	3.6
	YEAR OF OCCURRENCE		1977	1968	1986			1989						1989	DEC 1989
	MAXIMUM IN 24 HOURS (IN)	46	1.3	3.6	1.1	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	3.4	3.6
	YEAR OF OCCURRENCE		1977	1968	1986			1989						1989	FEB 1968
	MAXIMUM SNOW DEPTH (IN)	45	0	4	0	0	0	0	0	0	0	0	0	4	4
	YEAR OF OCCURRENCE			1968										1989	DEC 1989
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.*	0.1	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.1	

PRECIPITATION (inches) 1999 SAVANNAH, GA (SAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	3.11	2.32	8.51	0.95	5.41	5.21	5.76	10.61	5.88	2.29	0.42	3.37	53.84
1971	3.40	2.60	2.63	3.53	3.56	6.98	9.07	14.94	1.67	8.01	1.26	3.69	61.34
1972	3.99	4.61	3.84	1.20	5.84	6.54	1.35	12.62	0.36	0.54	4.91	2.77	48.57
1973	3.61	4.46	5.36	4.43	1.23	9.19	2.89	6.45	3.65	0.19	0.68	3.26	45.40
1974	1.37	2.79	1.87	2.75	7.25	6.00	6.48	7.90	2.61	0.10	0.96	1.85	41.93
1975	3.17	3.01	3.99	4.71	6.00	2.08	11.55	3.13	8.01	1.25	1.09	3.19	51.18
1976	2.19	1.24	2.51	5.62	6.33	7.49	7.56	7.28	10.07	4.75	4.83	3.87	63.74
1977	3.14	1.83	2.72	1.94	1.03	2.00	5.62	8.01	6.52	1.16	2.07	5.80	41.84
1978	4.02	3.14	1.93	3.68	4.50	2.19	3.61	4.43	2.61	0.60	1.85	2.85	35.41
1979	3.96	4.14	2.42	3.83	8.49	7.37	10.78	2.65	12.20	0.70	2.70	2.68	61.92
1980	2.95	1.29	7.75	3.68	4.50	3.47	2.38	1.02	5.81	1.62	2.04	1.33	37.84
1981	1.03	2.94	3.91	1.75	2.10	3.01	5.42	10.91	2.88	1.29	1.65	3.17	40.06
1982	3.47	2.94	1.64	6.25	4.18	9.15	6.70	9.18	2.98	1.74	0.40	3.63	52.26
1983	5.90	5.23	9.01	5.15	1.07	5.81	5.30	3.67	3.39	1.03	4.18	4.77	54.51
1984	8.87	3.21	5.13	3.41	5.29	1.48	7.88	3.46	7.43	1.23	3.15	0.12	50.66
1985	0.51	1.37	1.65	1.37	2.18	6.72	5.00	9.42	0.76	3.37	4.28	2.01	38.64
1986	2.03	5.28	2.85	0.38	2.06	2.98	5.49	12.31	0.49	1.99	4.40	5.07	45.33
1987	8.62	4.39	5.33	0.50	3.82	8.03	4.37	9.46	8.16	0.33	2.06	1.41	56.48
1988	3.44	4.09	2.11	5.05	3.52	2.63	1.80	10.68	9.62	2.81	1.43	0.99	48.17
1989	0.45	0.67	1.41	3.59	3.10	7.30	4.91	6.29	7.98	4.71	1.26	5.20	46.87
1990	3.91	3.08	3.79	1.75	2.07	0.97	1.92	7.25	1.26	12.50	2.48	2.10	43.08
1991	8.98	0.26	5.48	10.57	7.13	5.12	15.41	10.51	0.35	1.60	1.26	1.75	68.42
1992	6.60	2.24	3.97	2.08	2.04	13.01	2.03	7.69	8.42	3.60	5.15	1.53	58.36
1993	5.52	3.35	7.96	3.22	1.31	2.48	4.34	3.04	6.84	2.58	5.26	2.15	48.05
1994	4.70	0.78	3.75	2.13	6.17	7.80	6.90	2.64	6.60	19.84	3.67	4.46	69.44
1995	2.44	4.47	0.72	0.69	3.52	5.89	6.65	17.03	4.10	3.42	1.29	0.89	51.11
1996	2.01	1.35	4.29	2.43	1.44	2.44	5.23	7.12	2.84	3.45	0.88	2.72	36.20
1997	3.12	2.34	1.54	3.62	2.99	5.90	11.64	4.56	5.32	5.65	5.04	3.98	55.70
1998	7.51	6.88	3.98	5.68	1.97	1.93	8.27	3.79	5.56	1.28	0.30	2.32	49.47
1999	4.73	1.95	1.25	1.68	2.54	14.25	7.15	4.26	6.50	2.04	0.49	1.94	48.78
POR= 130 YRS	3.03	3.12	3.55	2.94	3.39	5.57	6.64	7.03	5.49	2.90	1.99	2.70	48.35

WBAN : 03822

AVERAGE TEMPERATURE (°F) 1999 SAVANNAH, GA (SAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	42.4	49.2	59.2	68.3	73.0	78.2	81.6	81.8	78.9	70.2	54.8	54.1	66.0
1971	50.1	52.4	54.5	64.6	71.1	80.5	80.9	80.8	78.6	72.4	58.0	60.6	67.0
1972	57.5	51.3	59.3	66.7	71.6	75.7	81.0	81.0	77.3	68.1	58.1	57.1	67.1
1973	49.8	49.6	63.6	64.0	73.5	79.3	82.2	80.0	79.0	68.9	61.6	51.2	66.9
1974	62.9	53.0	63.8	65.6	74.5	76.8	79.2	79.6	76.3	64.6	57.7	53.1	67.3
1975	55.3	57.7	59.5	65.4	76.7	79.5	78.4	81.7	76.5	70.0	59.3	50.5	67.5
1976	45.9	56.4	62.6	64.3	69.7	75.8	81.7	78.2	74.9	62.5	51.5	49.0	64.4
1977	39.9	49.2	62.1	67.6	74.0	82.0	83.3	81.1	78.9	64.1	61.2	50.0	66.1
1978	43.9	43.6	56.3	68.0	73.7	80.0	82.2	82.3	78.2	67.0	64.7	53.4	66.1
1979	45.4	49.0	59.8	67.7	73.9	76.8	82.1	81.4	77.4	67.5	60.4	50.7	66.0
1980	50.7	48.5	57.1	66.2	73.3	79.7	84.4	83.4	80.4	65.4	56.7	48.1	66.2
1981	43.5	52.6	56.8	69.0	71.6	84.5	84.4	79.2	75.2	65.4	57.7	48.3	65.7
1982	48.7	55.9	62.1	64.8	74.3	80.2	81.3	81.0	75.5	67.6	61.8	57.4	67.6
1983	46.1	50.8	58.0	62.8	73.0	78.2	84.1	82.9	75.7	69.7	57.7	48.5	65.6
1984	47.7	53.7	59.3	65.7	72.9	79.2	80.6	81.5	75.0	73.2	55.7	59.5	67.0
1985	45.3	53.0	61.5	66.9	74.6	81.3	82.7	80.7	76.6	72.2	67.5	48.9	67.6
1986	47.6	56.9	59.1	66.8	75.0	82.5	85.7	81.6	79.7	70.0	65.0	53.9	68.7
1987	49.0	50.4	58.2	63.9	74.1	80.6	83.6	84.5	77.8	61.5	60.4	54.7	66.6
1988	45.0	50.2	58.2	66.1	72.4	77.7	82.7	82.5	77.4	64.2	61.3	51.1	65.7
1989	56.6	56.1	60.6	65.6	72.3	81.0	82.9	80.7	76.8	68.6	59.5	43.7	67.0
1990	55.7	60.0	62.6	65.0	74.3	81.5	84.4	82.4	78.9	70.7	60.8	56.5	69.4
1991	52.2	56.2	62.4	70.0	77.5	79.4	83.2	82.2	77.9	68.4	56.6	55.6	68.5
1992	49.9	55.7	59.2	64.5	71.7	78.6	84.3	81.0	77.1	66.6	60.6	52.0	66.8
1993	54.8	50.3	57.0	62.4	73.6	81.3	86.7	83.1	79.6	68.1	59.9	49.7	67.2
1994	47.7	56.0	62.9	69.6	72.4	80.7	82.2	81.2	76.6	67.8	63.7	54.9	68.0
1995	50.7	52.4	62.5	69.1	76.5	79.2	83.8	82.4	76.1	71.5	55.6	50.1	67.5
1996	50.1	54.6	56.0	64.0	75.2	78.8	82.4	79.3	76.1	66.5	55.9	52.9	66.0
1997	50.9	55.1	64.7	63.1	68.9	75.4	81.2	79.3	76.9	66.6	55.1	50.5	65.6
1998	52.9	54.1	56.4	65.3	75.6	83.0	83.4	81.2	77.5	68.9	62.6	55.5	68.0
1999	52.4	54.3	55.8	69.0	70.8	77.1	82.7	83.1	75.7	67.8	59.7	50.8	66.6
POR= 126 YRS	51.2	53.3	59.4	66.1	73.5	79.4	81.7	81.0	77.0	67.9	58.8	52.3	66.8

HEATING DEGREE DAYS (base 65°F) 1999 SAVANNAH, GA (SAV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0	0	1	20	303	340	458	359	338	100	15	0	1934
1971-72	0	0	0	10	236	187	256	400	183	74	1	0	1347
1972-73	0	0	0	25	239	261	462	423	98	85	4	0	1597
1973-74	0	0	0	47	148	435	107	340	124	73	1	0	1275
1974-75	0	0	2	79	243	368	315	232	212	86	0	0	1537
1975-76	0	0	0	25	228	446	586	256	134	69	11	0	1755
1976-77	0	0	0	142	405	490	771	437	152	42	2	0	2441
1977-78	0	0	0	96	165	457	645	594	283	35	2	0	2277
1978-79	0	0	0	45	53	378	602	448	181	17	1	0	1725
1979-80	0	0	0	41	183	438	436	489	257	43	7	0	1894
1980-81	0	0	0	72	252	518	659	342	263	25	8	0	2139
1981-82	0	0	3	59	231	513	501	258	149	76	0	0	1790
1982-83	0	0	0	73	139	266	579	392	228	115	0	0	1792
1983-84	0	0	2	19	232	513	531	320	200	68	7	0	1892
1984-85	0	0	1	8	299	185	615	360	157	60	2	0	1687
1985-86	0	0	1	16	51	504	531	240	215	59	4	0	1621
1986-87	0	5	0	48	101	349	491	401	231	110	5	0	1741
1987-88	0	0	0	122	185	332	612	426	218	52	1	0	1948
1988-89	0	0	0	84	141	423	268	289	193	110	13	0	1521
1989-90	0	0	1	59	191	653	286	175	135	81	0	0	1581
1990-91	0	0	0	55	143	279	395	260	139	14	0	0	1285
1991-92	0	0	0	34	270	315	461	274	204	101	22	0	1681
1992-93	0	0	1	45	194	401	320	406	254	113	0	0	1734
1993-94	0	0	1	45	193	470	530	260	123	20	7	0	1649
1994-95	0	0	0	32	95	317	433	358	114	30	1	0	1380
1995-96	0	0	6	25	313	457	457	313	288	109	7	0	1975
1996-97	0	0	0	51	287	374	435	290	88	107	24	5	1661
1997-98	0	0	0	80	300	442	373	303	283	63	0	0	1844
1998-99	0	0	0	44	107	305	390	294	283	60	17	0	1500
1999-	0	0	0	56	179	436							

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COOLING DEGREE DAYS (base 65°F) 1999 SAVANNAH, GA (SAV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	4	0	26	163	262	403	521	528	423	188	4	9	2531
1971	1	13	18	92	210	474	502	495	414	248	34	56	2557
1972	28	8	14	130	214	328	505	503	379	125	38	23	2295
1973	0	0	63	63	275	434	540	473	429	177	52	13	2519
1974	52	9	96	99	302	360	448	462	347	74	32	8	2289
1975	20	33	48	104	374	439	423	528	351	187	65	2	2574
1976	0	12	68	53	164	331	526	416	306	70	7	1	1954
1977	0	1	71	130	289	517	574	508	421	74	58	0	2643
1978	0	0	22	132	281	456	538	543	403	115	51	29	2570
1979	0	5	28	105	282	360	537	516	378	126	51	2	2390
1980	0	16	19	87	270	449	607	579	468	90	8	2	2595
1981	0	1	14	150	219	589	609	444	319	80	17	4	2446
1982	6	10	67	79	292	463	514	503	323	158	48	42	2505
1983	0	0	16	55	253	400	598	562	332	171	18	6	2411
1984	0	0	31	94	261	431	486	517	309	270	24	19	2442
1985	11	31	58	123	307	496	557	496	355	248	133	7	2822
1986	0	18	40	121	321	532	651	525	449	212	107	13	2989
1987	0	0	26	85	292	474	583	611	392	22	50	21	2556
1988	0	3	11	92	238	386	555	547	378	66	35	1	2312
1989	13	45	64	135	248	488	563	493	362	177	33	0	2621
1990	4	41	69	90	296	503	608	549	422	237	25	24	2868
1991	7	18	64	169	397	441	572	540	393	143	25	29	2798
1992	0	11	29	94	234	414	603	504	370	101	69	7	2436
1993	12	0	10	43	271	497	678	567	447	149	46	1	2721
1994	0	14	62	165	243	476	542	509	355	125	63	14	2568
1995	1	9	46	160	366	433	591	547	348	235	36	4	2776
1996	3	20	19	84	331	419	549	451	339	105	20	2	2342
1997	4	20	84	57	155	322	510	452	363	137	11	0	2115
1998	10	5	24	77	336	546	575	508	383	173	44	18	2699
1999	7	1	4	187	205	368	556	568	328	153	26	1	2404

SNOWFALL (inches) 1999 SAVANNAH, GA (SAV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1971-72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972-73	0.0	0.0	0.0	0.0	0.0	0.0	T	3.2	0.0	0.0	0.0	0.0	3.2
1973-74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974-75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975-76	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1976-77	0.0	0.0	0.0	0.0	0.0	0.0	2.0	T	0.0	0.0	0.0	0.0	2.0
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.1	0.0	0.0	0.0	1.4
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	1.0	0.0	0.0	0.0	T	1.0
1989-90	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
1993-94	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	T	0.2	0.0				
1996-97													
1997-98													
1998-99													
1999-													
POR= 45 YRS	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	T	0.4

WBAN : 03822

REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999
SAVANNAH,
GEORGIA (SAV)

Savannah is surrounded by flat terrain, low and marshy to the north and east, and rising to several feet above sea level to the west and south. About half the land to the west and south is cleared and the other half is wooded and swampy.

The area has a temperate climate, with a seasonal low temperature of 51 degrees in winter, 66 degrees in spring, 80 degrees in summer, and 66 degrees in autumn. The lowest temperatures are below 10 degrees and the highest temperatures are about 100 degrees.

The normal annual rainfall is about 49 inches. About half falls in the thunderstorm season of June 15 through September 15. The remainder, produced principally by squall-line and frontal showers, is spread over the other nine months with a minor peak in March. Considerable periods of fair, mild weather are experienced in October, November, April, and to a less extent, in May. Snow is a rarity and even a trace does not occur on an average of once a year. The heaviest snowfalls are under 5 inches. Severe tropical storms affect this area about once in ten years. Rainfall from these storms constitute the heaviest sustained precipitation. Accumulations exceeding 22 inches have occurred.

The present exposure of the thermometers gives readings more nearly commensurate with those of suburban street levels of Savannah than was the case of previous locations atop various buildings. During that time, especially on still, clear nights, temperatures near the ground and in lower inland areas were as much as 15 degrees lower than the official low temperature. Present differences on comparable nights range from 3 - 8 degrees.

Sunshine is adequate at all seasons and seldom are there two or more days in succession without it. Sea- and land-breeze effect is usually not felt in Savannah, though it is a daily feature on the nearby islands. Dry, continental air masses reach this area in summer mostly by sliding down the Atlantic coast and giving cooler northeast winds. Such masses reaching this area from the northwest or west in summer bring mostly clear skies and high temperatures.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 15 and the average last occurrence in the spring is March 10.

STATION LOCATION

SAVANNAH, GEORGIA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										* Type	REMARKS	
						SEA LEVEL	GROUND											
							WIND	E	E	P	S	T	R	W	8			H
CITY Commercial Building Bay & Drayton Streets	12/13/70	4/11/71	NA	32° 05'	81° 05'	42	67		20									Window shelter for thermometers.
Sorrell Building Bay & Bull Streets	4/12/71	11/17/75	1 block W	32° 05'	81° 05'	42	73	29	28									Window shelter for thermometers.
Commercial Building Bay & Drayton Streets (Commercial Building renamed Board of Trade Building, 9/9/92)	11/18/75	9/1/99	1 block E	32° 05'	81° 05'	42	89	41 a66 b64	41 a66 b63									% - Varied from 67 to 89 ft. with several changes. a - Moved from window shelter to roof exposure 12/1/86. b - Minor move 4/7/92 Roof exposures after 12/1/86 at city locations were not considered good but were better than the earlier window exposures.
Post Office Building Bull & President Sts.	9/1/99	5/31/09	4 blocks SW	32° 05'	81° 05'	40	89	80	79		74			74				
National Building Bull & Broughton	6/1/09	11/8/32	2 blocks N	32° 05'	81° 05'	42	194	151	150		143			143				
Post Office Building Bull & President Sts.	11/9/32	6/30/49	2 blocks S	32° 05'	81° 05'	40	d 152	c 74	73		d 71			71				c - Moved to Hunter Field 5/1/45. d - Moved to Hunter Field 9/28/45.
AIRPORT Administration Building Hunter Field 6 mi. SSW of Post Ofc.	7/1/30	2/15/44	NA	32° 01'	81° 08'	38	38	23	23									Instrument shelter on roof; rain gage 60 ft. east of Bldg.
Building 1246	2/16/44	9/25/45	0.25 mi. ESE	32° 01'	81° 08'	38	e 27	5	5									e - Approximate.
Building 1202	9/25/45	9/30/50	0.25 mi. WNW	32° 01'	81° 08'	38	38	23	23		21			21				Chimney to NW affected temperatures with NW wind.
Building 105 Hunter Field	10/1/50	5/15/68	8 mi. NW	32° 08'	81° 12'	h 46	f 20 n30	i 5 k5	i 5 k5	21	3			3	g 5			Excellent exposures for all instruments. f - Effective 8/18/64 g - Commissioned 1900' NNW of thermometer site 8/19/64. h - Effective 8/19/64. i - Removed in 1966.
ESSA/FAA Building+ Travis Field Municipal Airport	5/15/68	04/01/96	75 ft. S	32° 08'	81° 12'	46	j 20 n30	k 5 k5	k 5 k5	6	3 k3	NA m5		3	j p5	NA		j - Moved 1900' SE 3/72 k - Moved 250' SSE 2/22/73. m - Added 11/1/80 n - Minor move 11/12/80. p - Type change 7/27/85.
+FAA/NOAA Building effective 1971 Municipal Airport	04/01/96	Present	NA	32°07'	81°12'	49										S		ASOS Commissioned 04/01/96

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800

National Climatic Data Center
151 Patton Avenue, Rm 120
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