

1997

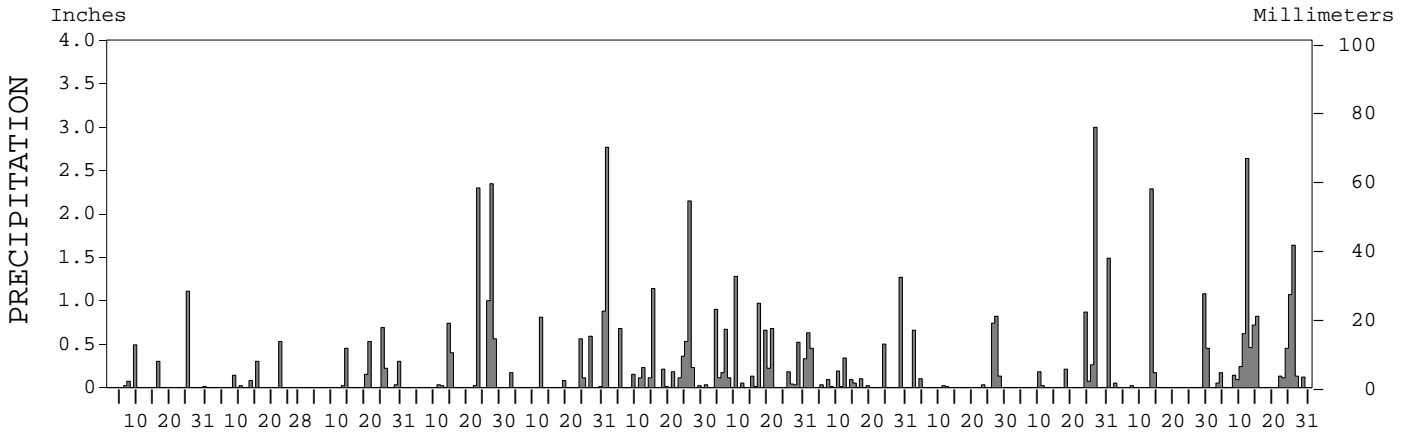
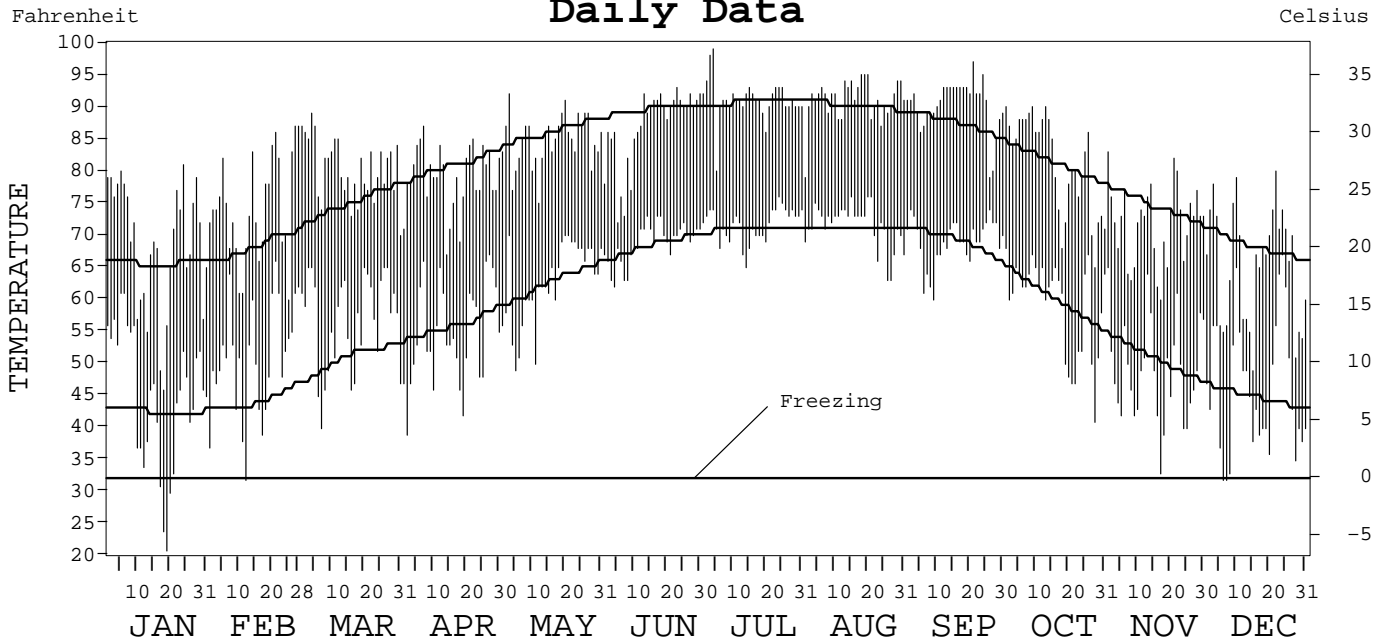
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0742-8723

GAINESVILLE,
FLORIDA (GNV)

Daily Data



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METEOROLOGICAL DATA FOR 1997

GAINESVILLE, FL (GNV)

LATITUDE: 29° 41' 0" N LONGITUDE: 82° 16' 0" W ELEVATION (FT): GRND: 138 BARO: 143 TIME ZONE: EASTERN (UTC+ 5) WBAN: 12816

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	68.5	74.2	80.4	79.0	84.8	86.9	91.1	91.1	90.3	81.2	71.8	65.4	80.4	
	HIGHEST DAILY MAXIMUM	81	87	89	87	92	93	99	95	97	90	83	80	99	
	DATE OF OCCURRENCE	24	28+	04	07	03	23	04	20+	21	13+	01	22	JUL 04	
	MEAN DAILY MINIMUM	45.0	50.8	56.7	54.6	62.6	68.7	71.6	71.5	69.0	59.0	48.9	46.3	58.7	
	LOWEST DAILY MINIMUM	21	32	40	39	49	62	65	63	60	41	33	32	21	
	DATE OF OCCURRENCE	19	12	07	02	05	04	14	27+	09	28	17	07+	JAN 19	
	AVERAGE DRY BULB	56.8	62.5	68.6	66.8	73.7	77.8	81.4	81.3	79.7	70.1	60.4	55.9	69.6	
	MEAN WET BULB	49.9	55.3	60.8		65.4	70.3	73.6	73.0	70.4	63.3	54.7	51.2		
	MEAN DEW POINT	47.0	53.4	58.9		63.7	69.4	72.9	72.1	69.1	62.0	52.8	49.2		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	2	16	28	24	19	3	0	0	0	92
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM ≤ 32°	4	1	0	0	0	0	0	0	0	0	0	2	7		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	269	122	26	40	0	0	0	0	29	161	301	948		
	COOLING DEGREE DAYS	22	60	144	103	277	390	518	511	446	196	29	2719		
RH	MEAN (PERCENT)	76	78	75	69	74	81	81	79	76	79	79	82	77	
	HOUR 01 LST	88	90	92	83	91	92	92	92	92	92	91	88	90	
	HOUR 07 LST	87	90	93	86	91	92	92	93	94	94	92	91	91	
	HOUR 13 LST	58	60	54	51	54	63	63	61	53	57	58	67	58	
	HOUR 19 LST	76	73	66	60	66	78	78	75	69	77	81	83	74	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	7	7	4	2	4	1	2	0	1	2	6	4	40	
	THUNDERSTORMS	2	1	3	5	5	15	18	12	4	3	1	2	71	
CLOUDINESS	AVG. SKY COVER (OKTAS)														
	SUNRISE - SUNSET														
	MIDNIGHT - MIDNIGHT														
	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)														
	MEAN SEA-LEVEL PRESS. (IN.)	30.16	30.20	30.11	30.01	30.06	29.98	30.05	30.05	29.99	30.06	30.05	30.01	30.06	
WINDS	RESULTANT SPEED (MPH)	2.8	1.9	1.5	2.2	1.0	2.2	2.4	1.2	1.3	2.5	1.8	2.6	0.7	
	RES. DIR. (TENS OF DEGS.)	34	07	28	29	33	27	20	15	15	05	30	29	30	
	MEAN SPEED (MPH)						6.8	4.9	5.8	4.9	6.1	5.8	6.4		
	PREVAIL. DIR. (TENS OF DEGS.)	33	09	27	27	28	24	21	24	09	08	28	28	28	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)														
	DIR. (TENS OF DEGS.)														
	DATE OF OCCURRENCE														
	PEAK GUST :														
SPEED (MPH)															
DIR. (TENS OF DEGS.)															
DATE OF OCCURRENCE															
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.00	1.07	2.39	7.42	3.21	8.99	7.09	3.78	2.51	6.10	4.06	9.60	58.22	
	GREATEST 24-HOUR (IN.)	1.11	0.53	0.69	2.35	0.88	2.77	1.28	1.27	0.82	3.26	2.29	2.64	3.26	
	DATE OF OCCURRENCE	25	22	25	27	31	01	10	29	27	26-27	13	12	OCT 26-27	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	6	5	8	9	8	16	19	14	8	8	6	17	124	
PRECIPITATION ≥ 0.10	3	3	6	6	6	14	14	7	5	6	4	15	89		
PRECIPITATION ≥ 1.00	1	0	0	3	0	3	1	1	0	2	2	3	16		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	GREATEST 24-HOUR (IN.)	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	
	DATE OF OCCURRENCE				23									APR 23	
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES

GAINESVILLE, FL (GNV)

LATITUDE: 29° 41' 0 " N LONGITUDE: 82° 16' 0 " W ELEVATION (FT): GRND: 138 BARO: 143 TIME ZONE: EASTERN (UTC+ 5) WBAN: 12816

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	65.6	68.1	74.9	80.7	86.1	89.5	90.7	90.1	87.3	81.0	74.3	68.1	79.7
	MEAN DAILY MAXIMUM	21	65.9	68.4	74.6	80.7	86.3	89.4	90.4	89.9	87.1	80.5	73.6	67.5	79.5
	HIGHEST DAILY MAXIMUM	14	83	87	89	95	98	102	99	99	97	91	88	84	102
	YEAR OF OCCURRENCE		1993	1997	1997	1991	1989	1985	1997	1986	1997	1989	1986	1994	JUN 1985
	MEAN OF EXTREME MAXS.	21	79.7	81.8	85.8	90.3	93.4	96.0	96.1	95.2	93.0	88.9	84.2	80.8	88.8
	NORMAL DAILY MINIMUM	30	42.5	44.1	50.7	55.8	62.6	68.3	70.9	71.0	68.9	59.7	50.5	44.6	57.5
	MEAN DAILY MINIMUM	21	43.1	45.0	50.3	55.6	62.7	69.0	71.2	71.3	68.9	60.3	51.1	44.3	57.7
	LOWEST DAILY MINIMUM	14	10	18	28	35	42	50	62	62	52	33	30	16	10
	YEAR OF OCCURRENCE		1985	1996	1996	1996	1992	1984	1988	1984	1993	1989	1995	1989	JAN 1985
	MEAN OF EXTREME MINS.	21	24.8	27.0	33.0	40.8	51.0	61.0	66.4	66.8	59.7	42.3	33.4	27.0	44.4
	NORMAL DRY BULB	30	53.7	55.8	62.5	67.9	74.0	78.9	80.7	80.4	78.0	70.2	62.3	56.0	68.4
	MEAN DRY BULB	21	54.6	56.7	62.4	68.1	74.6	79.1	80.8	80.6	78.0	70.5	62.4	55.9	68.6
	MEAN WET BULB	14	50.5	53.0	57.0	60.8	67.3	72.5	69.3	69.3	67.2	60.9	58.8	52.2	61.6
	MEAN DEW POINT	14	46.6	48.6	52.8	56.5	63.6	70.1	72.6	67.5	65.4	58.6	56.1	49.1	59.0
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.1	1.9	9.1	17.1	19.3	20.6	9.5	1.1	0.0	0.0	78.7	
MAXIMUM ≤ 32°	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	
MINIMUM ≤ 32°	30	5.6	4.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	5.5	17.6	
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	384	282	138	30	0	0	0	0	0	22	150	310	1316
	NORMAL COOLING DEG. DAYS	30	34	24	61	117	279	417	487	477	390	184	69	31	2570
RH	NORMAL (PERCENT)	30	77	75	75	71	72	78	81	83	83	80	82	80	78
	HOUR 01 LST	30	87	87	89	87	88	92	94	94	94	91	93	91	91
	HOUR 07 LST	30	89	90	91	90	90	93	94	96	96	92	94	92	92
	HOUR 13 LST	30	61	57	55	50	50	59	63	65	65	62	63	63	59
	HOUR 19 LST	30	75	68	67	62	63	72	78	81	82	80	82	81	74
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	14	5.2	4.4	2.6	2.7	2.9	2.2	1.6	1.9	2.5	3.4	5.1	5.8	40.3
	THUNDERSTORMS	14	1.7	2.0	3.6	3.3	5.7	14.2	18.6	15.0	7.5	3.3	1.6	0.8	77.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE (IN)	13	29.96	29.94	29.89	29.85	29.84	29.84	29.89	29.86	29.86	29.87	29.93	29.98	29.89
	MEAN SEA-LEVEL PRES. (IN)	14	30.14	30.12	30.06	30.02	30.01	30.01	30.06	30.03	30.02	30.04	30.11	30.14	30.06
WINDS	MEAN SPEED (MPH)	13	7.3	7.8	8.3	7.5	7.0	6.3	5.8	5.7	5.8	6.5	6.6	6.3	6.7
	PREVAIL. DIR (TENS OF DEGS)	14	30	05	27	27	09	27	24	10	09	04	04	31	09
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)														
	YEAR OF OCCURRENCE														
	PEAK GUST:														
	SPEED (MPH)														
	DIR. (TENS OF DEGS)														
	YEAR OF OCCURRENCE														
PRECIPITATION	NORMAL (IN)	30	3.35	4.21	3.65	2.64	3.76	6.77	6.80	8.01	5.27	1.82	2.26	3.27	51.81
	MAXIMUM MONTHLY (IN)	14	9.01	5.73	11.13	7.42	6.24	12.86	11.10	15.84	11.97	7.98	4.51	9.60	15.84
	YEAR OF OCCURRENCE		1994	1986	1996	1997	1991	1992	1996	1985	1988	1993	1987	1997	AUG 1985
	MINIMUM MONTHLY (IN)	14	1.14	0.32	1.55	0.38	0.74	2.22	1.52	2.49	2.00	T	0.31	0.21	T
	YEAR OF OCCURRENCE		1989	1991	1985	1987	1986	1988	1992	1987	1993	1987	1991	1984	OCT 1987
	MAXIMUM IN 24 HOURS (IN)	14	2.22	2.47	3.33	2.62	3.42	4.41	4.96	3.45	6.16	5.13	2.29	2.64	6.16
	YEAR OF OCCURRENCE		1986	1993	1991	1985	1985	1990	1996	1993	1988	1992	1997	1997	SEP 1988
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	9.0	8.6	7.6	4.8	7.0	13.1	16.4	17.3	12.1	7.5	6.6	6.9	116.9	
PRECIPITATION ≥ 1.00	30	0.7	2.0	1.3	0.5	0.8	2.0	1.9	2.5	1.7	0.3	0.9	1.3	15.9	
SNOWFALL	NORMAL (IN)	30	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0
	MAXIMUM MONTHLY (IN)	14	T	T	T	T	0.0	T	0.0	T	0.0	0.0	0.0	T	T
	YEAR OF OCCURRENCE		1996	1988	1991	1997		1994		1989				1989	APR 1997
	MAXIMUM IN 24 HOURS (IN)	14	T	T	T	T	0.0	T	0.0	T	0.0	0.0	0.0	T	T
	YEAR OF OCCURRENCE		1996	1988	1991	1997		1994		1989				1989	APR 1997
	MAXIMUM SNOW DEPTH (IN)	20	0	0	0	0	0	0	0	0	0	0	0	0	0
	YEAR OF OCCURRENCE														
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	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	

PRECIPITATION (inches) 1997 GAINESVILLE, FL (GNV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	1.29	4.82	3.14	2.68	5.44	3.85	8.84	3.16	3.55	0.81	2.90	0.21	40.69
1985	1.18	1.66	1.55	4.01	3.72	7.10	7.04	15.84	4.00	4.68	1.76	1.56	54.10
1986	5.51	5.73	3.10	0.84	0.74	5.32	5.20	6.91	3.29	3.44	3.07	5.00	48.15
1987	4.07	5.65	9.79	0.38	4.53	2.48	4.86	2.49	3.34	T	4.51	1.95	44.05
1988	5.19	5.01	7.72	1.43	2.35	2.22	2.07	12.07	11.97	0.81	3.32	1.61	55.77
1989	1.14	1.19	2.17	2.93	1.91	9.66	4.44	6.08	4.66	1.02	2.14	3.13	40.47
1990	1.97	3.54	1.82	2.78	0.86	11.27	6.41	4.08	2.99	3.16	1.84	1.28	42.00
1991	6.66	0.32	8.78	6.02	6.24	6.58	7.25	4.02	2.40	1.41	0.31	0.98	50.97
1992	5.20	3.48	4.00	3.78	1.99	12.86	1.52	8.55	4.37	5.74	2.06	0.73	54.28
1993	3.26	4.77	4.61	0.91	1.41	6.07	3.41	5.65	2.00	7.98	1.35	2.23	43.65
1994	9.01	0.43	2.65	1.51	3.83	4.60	7.66	6.14	5.98	5.10	0.70	1.28	48.89
1995	3.08	1.07	6.14	5.18	2.47	7.55	7.66	7.20	2.10	4.33	3.15	1.29	51.22
1996	2.24	0.77	11.13	2.74	2.01	6.15	11.10	4.78	2.43	5.32	1.51	4.47	54.65
1997	2.00	1.07	2.39	7.42	3.21	8.99	7.09	3.78	2.51	6.10	4.06	9.60	58.22
POR= 14 YRS	3.70	2.83	4.92	3.05	2.90	6.76	6.01	6.44	3.95	3.56	2.62	2.46	49.20

WBAN : 12816

AVERAGE TEMPERATURE (°F) 1997 GAINESVILLE, FL (GNV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	53.2	57.5	61.7	67.1	74.2	78.3	79.7	80.8	76.7	73.3	59.1	62.5	68.7
1985	49.4	56.6	65.3	67.8	75.5	80.7	80.1	79.8	77.8	76.6	70.9	52.6	69.4
1986	53.2	59.9	61.1	66.6	74.4	80.1	81.9	80.2	79.4	71.9	69.9	59.1	69.8
1987	53.0	57.1	61.3	63.9	74.1	80.1	81.6	82.3	78.4	65.2	63.1	58.3	68.2
1988	50.0	53.3	60.9	68.1	71.7	78.3	80.0	80.4	78.7	67.5	65.6	56.6	67.6
1989	62.0	58.1	65.8	67.8	74.4	79.7	80.7	80.3	78.5	69.9	61.8	47.8	68.9
1990	59.2	63.8	64.7	66.2	76.3	79.9	80.8	80.9	78.3	72.0	63.3	60.8	70.5
1991	57.6	59.2	64.0	72.0	78.8	79.1	80.7	80.7	77.6	70.0	59.2	58.5	69.8
1992	52.8	58.7	61.0	65.1	71.2	79.1	82.1	79.4	77.6	67.4	64.1	56.5	67.9
1993	60.0	54.1	60.0	63.9	72.5	79.1	82.1	81.9	78.7	70.5	62.2	51.7	68.1
1994	53.0	61.2	63.6	70.0	74.4	79.6	79.6	78.7	76.4	71.1	66.9	58.9	68.9
1995	53.3	56.6	64.3	68.7	77.6	78.6	81.9	82.1	79.0	73.2	58.4	54.3	69.0
1996	53.5	57.3	57.8	66.4	76.6	78.8	81.9	79.6	78.3	70.9	61.5	56.7	68.3
1997	56.8	62.5	68.6	66.8	73.7	77.8	81.4	81.3	79.7	70.1	60.4	55.9	69.6
POR= 14 YRS	54.8	58.2	62.8	67.0	74.4	79.4	81.0	80.7	78.2	70.6	63.3	56.5	68.9

HEATING DEGREE DAYS (base 65°F) 1997 GAINESVILLE, FL (GNV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							368	220	147	43	1	0	
1984-85	0	0	0	4	209	107	493	250	58	39	0	0	1160
1985-86	0	0	0	0	28	398	363	163	174	37	0	0	1163
1986-87	0	0	0	14	32	199	368	220	150	97	0	0	1080
1987-88	0	0	0	59	130	233	465	337	157	38	2	0	1421
1988-89	0	0	0	27	66	273	127	225	98	56	5	0	877
1989-90	0	0	0	56	141	531	194	97	64	50	0	0	1133
1990-91	0	0	0	30	91	183	242	177	119	9	0	0	851
1991-92	0	0	0	18	211	232	374	203	151	83	21	0	1293
1992-93	0	0	0	21	144	264	189	298	182	67	0	0	1165
1993-94	0	0	0	13	137	405	370	149	105	17	0	0	
1994-95	0	0	0	7	51	217	357	252	84	23	0	0	991
1995-96	0	0	0	24	233	337	361	258	261	71	1	0	1546
1996-97	0	0	0	20	144	263	269	122	26	40	0	0	884
1997-	0	0	0	29	161	301							

WBAN : 12816

COOLING DEGREE DAYS (base 65°F) 1997 GAINESVILLE, FL (GNV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	7	9	47	115	293	407	463	496	355	271	40	37	2540
1985	16	23	75	129	331	473	478	468	392	369	212	20	2986
1986	2	27	63	93	299	458	528	480	441	238	186	25	2840
1987	3	5	41	68	288	460	522	543	411	71	79	30	2521
1988	7	9	38	138	218	405	471	487	416	114	93	18	2414
1989	39	37	132	145	302	447	493	483	413	215	52	6	2764
1990	24	71	62	93	359	454	496	499	406	259	46	58	2827
1991	23	21	94	224	435	428	491	492	388	182	45	38	2861
1992	4	28	35	94	219	430	538	454	382	104	126	9	2423
1993	39	0	35	42	238	432	538	532	417	190	61	1	2525
1994	7	51	67	176	298	460	460	430	348	204	115	37	
1995	1	25	70	141	398	412	533	536	427	284	38	14	2879
1996	12	41	44	118	365	422	532	461	408	209	45	14	2671
1997	22	60	144	103	277	390	518	511	446	196	29	23	2719

SNOWFALL (inches) 1997 GAINESVILLE, FL (GNV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							0.0	0.0	0.0	0.0	0.0	0.0	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986-87	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
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1988-89	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
1989-90	0.0	T	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	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	0.0	0.0	0.0	0.0	0.0
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
1994-95	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
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1996-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
1997-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 13 YRS	0.0	T	0.0	0.0	0.0	T	T	T	T	0.0	0.0	T	0.0

WBAN : 12816

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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1997
GAINESVILLE,
FLORIDA (GNV)

Gainesville lies in the north central part of the Florida peninsula, almost midway between the coasts of the Atlantic Ocean and the Gulf of Mexico. The terrain is fairly level with several nearby lakes to the east and south. Due to its centralized location, maritime influences are somewhat less than they would be along coastlines at the same latitude.

Maximum temperatures in summer average slightly more than 90 degrees. From June to September, the number of days when temperatures exceed 89 degrees is 84 on average. Record high temperatures are in excess of 100 degrees. Minimum temperatures in winter average a little more than 44 degrees. The average number of days per year when temperatures are freezing or below is 18. Record lows occur in the teens. Low temperatures are a consequence of cold winds from the north or nighttime radiational cooling of the ground in contact with rather calm air.

Rainfall is appreciable in every month but is most abundant from showers and thunderstorms in summer. The average number of thunderstorm hours yearly is approximately 160. In winter, large-scale cyclone and frontal activity is responsible for some of the precipitation. Monthly average values range from about 2 inches in November to about 8 inches in August. Snowfall is practically unknown.

Because of its inland location, Gainesville does not have serious problems with hurricanes. An occasional hurricane will cross the Gulf or Atlantic coast and head toward Gainesville, but before it arrives it is weakened by surface friction and a depletion of water vapor.

STATION LOCATION

GAINESVILLE, FLORIDA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUXILIARY INFORMATION	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS
						SEA LEVEL	GROUND											
							WIND	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY			
FAA/FSS Building Municipal Airport (J.R. Alison)	5/17/60	Present	NA	29° 41'	82° 16'	a138	b22	a5	a5	NA	NA C3	NA	a3 d	NA e6	NA	FAA began operations. a - Effective 5/17/60. b - Effective 8/10/61. c - Installed 7/1/71. d - Removed 7/1/71. e - Installed 01/22/81. First LCD published 01/1984. First LCD Annual 1986.		

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
 INQUIRIES/COMMENTS CALL: (704) 271-4800

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