

2003

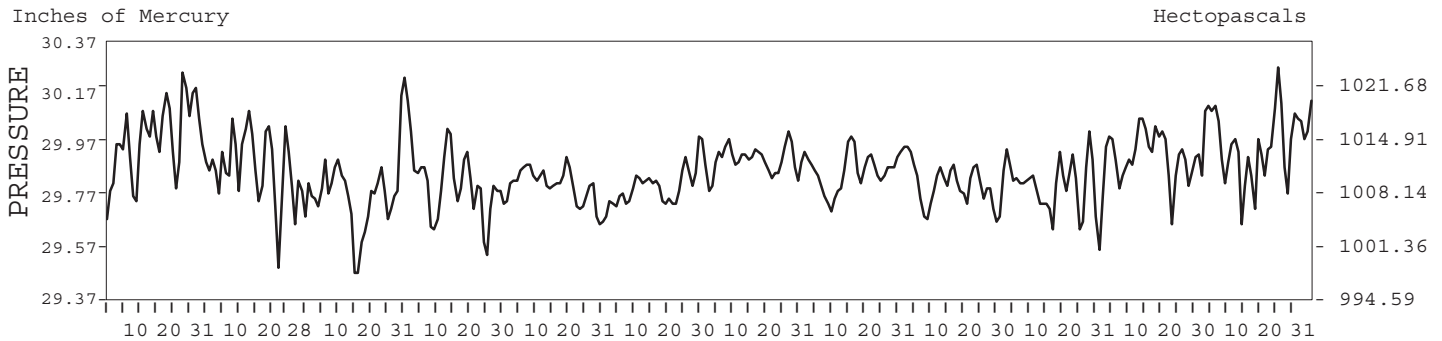
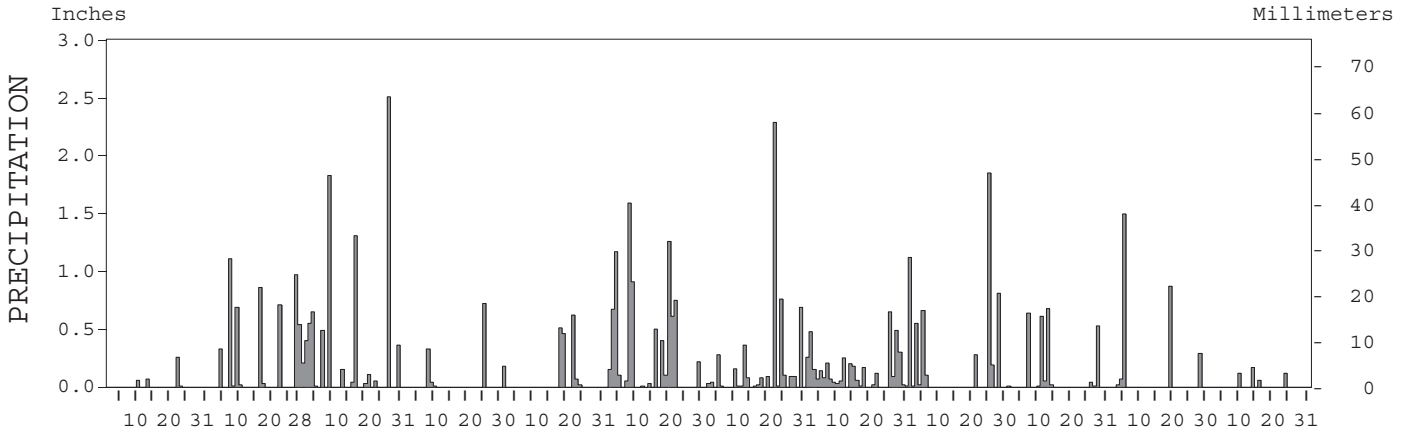
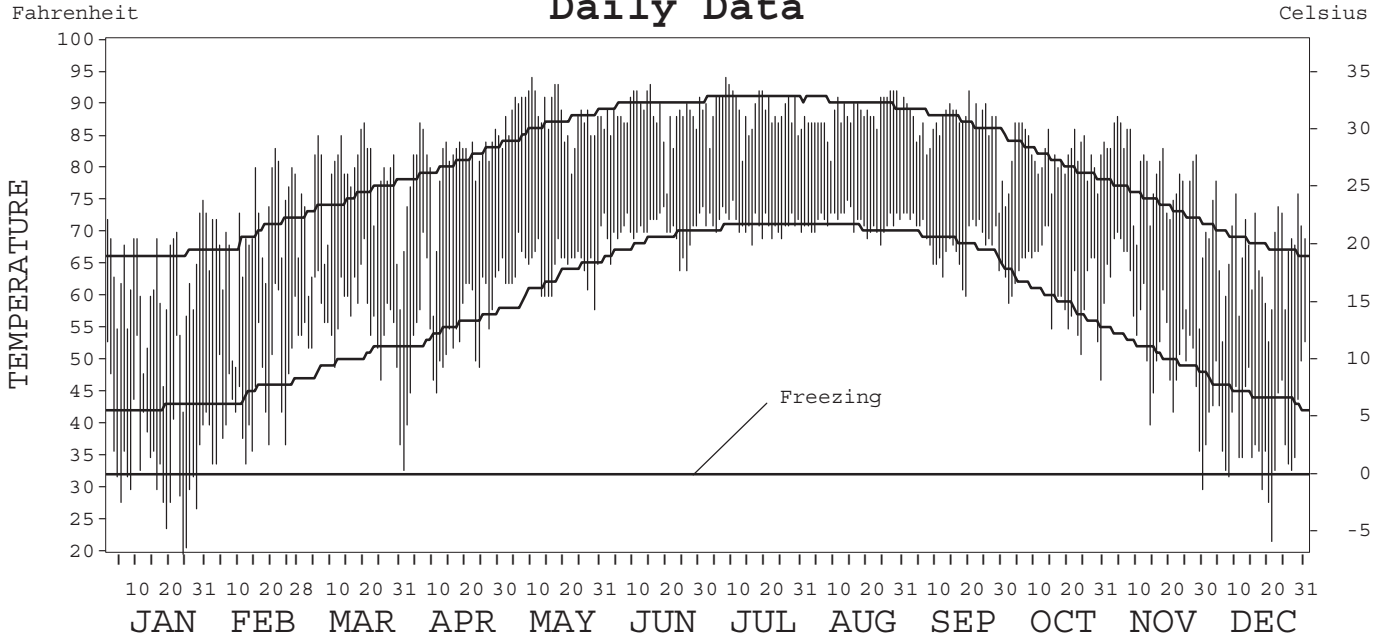
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0742-8731

GAINESVILLE,
FLORIDA (GNV)

Daily Data



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METEOROLOGICAL DATA FOR 2003

GAINESVILLE, FL (GNV)

LATITUDE: 29° 41' 23" N LONGITUDE: 82° 16' 19" W ELEVATION (FT): GRND: 149 BARO: 152 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	62.0	69.9	77.0	80.3	88.2	88.1	88.9	88.5	86.6	81.8	77.6	66.8	79.6	
	HIGHEST DAILY MAXIMUM	75	83	82	87	94	93	94	92	92	87	88	78	94	
	DATE OF OCCURRENCE	30	21	29	06	10	15	08	29+	20	06+	04	04	JUL 08	
	MEAN DAILY MINIMUM	35.3	45.1	56.4	54.7	64.7	70.0	71.3	71.6	68.2	61.4	54.3	38.8	57.6	
	LOWEST DAILY MINIMUM	20	34	37	33	58	64	68	68	60	47	30	22	20	
	DATE OF OCCURRENCE	24	12+	31	01	29	26+	16	24	19	30	30	21	JAN 24	
	AVERAGE DRY BULB	48.7	57.5	66.7	67.5	76.5	79.1	80.1	80.1	77.4	71.6	66.0	52.8	68.7	
	MEAN WET BULB	43.0	52.5	61.8	61.1	69.2	73.1	74.4	74.5	71.1	65.8	60.1	48.1	62.9	
	MEAN DEW POINT	36.1	47.8	58.8	56.4	65.4	70.8	72.5	72.8	68.7	62.8	56.7	43.3	59.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	11	9	15	11	5	0	0	0	0	51
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM ≤ 32°	14	0	0	0	0	0	0	0	0	0	1	4	19		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	498	224	51	51	0	0	0	0	0	0	80	369	1273	
	COOLING DEGREE DAYS	0	21	112	131	365	429	478	476	382	213	116	0	2723	
RH	MEAN (PERCENT)	67	75	81	72	73	82	83	85	80	79	78	74	77	
	HOUR 01 LST	82	87	93	91	89	90	94	94	89	92	89	88	90	
	HOUR 07 LST	85	90	96	93	91	95	94	97	94	92	91	87	92	
	HOUR 13 LST	46	58	64	48	51	65	67	68	62	59	57	50	58	
	HOUR 19 LST	61	67	72	62	62	80	80	84	79	81	80	77	74	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	3	11	6	5	7	5	5	9	6	8	3	69	
	THUNDERSTORMS	0	4	5	2	4	20	17	22	6	1	2	0	83	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.99	29.88	29.77	29.84	29.81	29.81	29.91	29.87	29.81	29.81	29.94	29.97	29.87	
	MEAN SEA-LEVEL PRESS. (IN.)		30.06		30.01	29.98	29.98	30.08	30.04	29.98			30.14		
WINDS	RESULTANT SPEED (MPH)	4.0	1.4	0.4	0.7	1.1	1.3	0.6	1.5	2.5	1.8	1.9	1.6	0.4	
	RES. DIR. (TENS OF DEGS.)	28	26	23	16	25	14	21	15	02	03	03	31	31	
	MEAN SPEED (MPH)	6.7	6.0	5.7	5.2	5.3	4.1	3.2	4.0	5.2	5.0	5.4	5.4	5.1	
	PREVAIL. DIR. (TENS OF DEGS.)	31	24	21	27	24	10	17	17	07	03	02	32	24	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	25	35	33	31	29	26	35	29	25	20	29	29	35	
	DIR. (TENS OF DEGS.)	31	25	33	29	33	32	21	12	06	06	19	26	21	
	DATE OF OCCURRENCE	23+	22	27	25	03	09	22	28	01	31	05	10	JUL 22	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	32	46	39	41	36	33	43	35	31	24	36	38	46	
DIR. (TENS OF DEGS.)	36	24	27	29	01	32	22	13	06	05	19	27	24		
DATE OF OCCURRENCE	23+	22	27	25	03	09	22	28	21	30	05	17	FEB 22		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.40	5.27	8.70	1.10	1.86	8.52	5.21	4.15	5.59	2.60	2.75	0.47	46.62	
	GREATEST 24-HOUR (IN.)	0.27	1.27	2.51	0.72	0.97	1.61	2.29	0.74	2.04	0.69	1.50	0.17	2.51	
	DATE OF OCCURRENCE	22-23	27-28	27	25	18-19	07-08	22	26-27	25-26	13-14	05	14	MAR 27	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	4	10	15	4	6	16	20	25	10	10	5	4	129		
PRECIPITATION ≥ 0.10	1	7	11	2	4	13	7	13	8	4	3	3	76		
PRECIPITATION ≥ 1.00	0	1	3	0	0	3	1	0	2	0	1	0	11		
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

GAINESVILLE, FL (GNV)

LATITUDE: 29° 41' 23" N LONGITUDE: 82° 16' 19" W ELEVATION (FT): GRND: 149 BARO: 152 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	66.2	69.3	75.1	80.4	86.5	89.9	90.9	90.1	87.4	81.0	74.4	68.1	79.9
	MEAN DAILY MAXIMUM	27	66.3	69.0	74.9	81.0	86.9	89.6	90.6	90.0	87.0	80.8	74.0	67.8	79.8
	HIGHEST DAILY MAXIMUM	20	83	87	89	95	98	102	108	99	97	92	88	84	108
	YEAR OF OCCURRENCE		2002	1997	2002	1991	1989	1985	2000	1999	1997	2002	2003	1998	JUL 2000
	MEAN OF EXTREME MAXS.	27	79.8	82.1	85.8	90.1	93.7	96.3	96.6	95.1	92.8	88.9	84.2	80.9	88.9
	NORMAL DAILY MINIMUM	30	42.4	44.7	49.9	54.7	62.0	68.4	70.8	70.6	68.1	59.2	51.1	44.4	57.2
	MEAN DAILY MINIMUM	27	42.7	45.1	50.2	55.7	62.7	69.0	71.3	71.4	69.0	60.3	51.1	44.1	57.7
	LOWEST DAILY MINIMUM	20	10	18	26	33	42	50	62	61	52	33	25	16	10
	YEAR OF OCCURRENCE		1985	1996	2002	2003	1992	1984	1988	2002	1993	1989	2000	1989	JAN 1985
	MEAN OF EXTREME MINS.	27	24.3	27.5	32.7	40.1	51.3	61.3	66.7	66.7	60.2	42.8	33.2	26.6	44.4
	NORMAL DRY BULB	30	54.3	57.0	62.5	67.6	74.3	79.2	80.9	80.4	77.8	70.1	62.8	56.3	68.6
	MEAN DRY BULB	27	54.6	57.1	62.6	68.4	74.8	79.3	80.9	80.8	78.1	70.5	62.6	56.1	68.8
	MEAN WET BULB	19	50.0	52.9	56.9	61.2	67.2	72.5	70.8	70.4	68.5	62.2	58.6	51.7	61.9
	MEAN DEW POINT	19	45.7	48.7	52.4	56.9	63.4	70.1	72.6	68.6	66.6	59.7	55.7	48.2	59.1
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.1	1.5	9.4	18.4	23.9	22.0	13.0	1.2	0.0	0.0	89.5	
MAXIMUM ≤ 32°	30	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.1	
MINIMUM ≤ 32°	30	4.9	1.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.8	11.7	
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	324	221	129	40	4	0	0	0	0	21	124	280	1143
	NORMAL COOLING DEG. DAYS	30	8	13	66	131	308	439	507	492	400	195	74	26	2659
RH	NORMAL (PERCENT)	30	78	75	73	72	72	79	81	82	83	81	81	80	78
	HOUR 01 LST	30	89	88	89	88	90	93	94	94	94	92	92	91	91
	HOUR 07 LST	30	90	90	91	91	91	93	94	96	96	94	93	91	92
	HOUR 13 LST	30	61	56	53	51	50	59	63	64	64	62	61	62	59
	HOUR 19 LST	30	76	69	64	62	63	74	78	80	81	81	82	81	74
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	20	5.7	4.7	3.5	3.0	3.8	2.8	2.3	2.1	3.5	3.6	5.1	6.3	46.4
	THUNDERSTORMS	20	1.7	2.1	3.8	2.6	5.4	14.6	18.0	15.5	7.6	2.6	1.4	0.9	76.2
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE (IN)	18	29.96	29.95	29.87	29.86	29.84	29.85	29.89	29.85	29.84	29.88	29.93	29.98	29.89
	MEAN SEA-LEVEL PRES. (IN)	19	30.14	30.12	30.06	30.03	30.01	30.01	30.06	30.02	30.01	30.04	30.11	30.14	30.06
WINDS	MEAN SPEED (MPH)	19	6.9	7.4	7.8	7.2	6.9	6.1	5.5	5.3	5.8	6.2	6.2	6.0	6.4
	PREVAIL. DIR (TENS OF DEGS)	20	31	27	27	27	25	25	27	09	06	04	02	31	27
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	5	36	35	40	31	30	45	45	30	29	25	29	35	45
	DIR. (TENS OF DEGS)		25	25	25	29	25	24	29	12	12	11	19	26	24
	YEAR OF OCCURRENCE		1999	2003	2001	2003	1999	2001	2000	2001	2000	2002	2003	2002	JUN 2001
	MAXIMUM 5-SECOND:														
SPEED (MPH)	5	43	46	52	41	37	52	64	45	39	30	36	45	64	
DIR. (TENS OF DEGS)		27	24	32	29	12	22	29	14	16	11	19	23	29	
YEAR OF OCCURRENCE		2000	2003	2001	2003	2002	2001	2000	2002	2000	2002	2003	2002	JUL 2000	
PRECIPITATION	NORMAL (IN)	30	3.51	3.39	4.26	2.86	3.23	6.78	6.10	6.63	4.37	2.50	2.17	2.56	48.36
	MAXIMUM MONTHLY (IN)	20	9.01	11.58	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	1998	1996	1997	1991	1992	1996	1985	1988	1993	1987	1997	AUG 1985
	MINIMUM MONTHLY (IN)	20	0.40	0.32	0.61	0.08	0.51	2.22	1.52	2.49	2.00	T	0.24	0.21	T
	YEAR OF OCCURRENCE		2003	1991	1999	1998	2000	1988	1992	1987	1993	1987	1998	1984	OCT 1987
	MAXIMUM IN 24 HOURS (IN)	20	2.71	4.60	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		1999	1998	1991	1985	1985	1990	1996	1993	1988	1992	1997	1997	SEP 1988
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.0	8.4	9.3	6.7	8.6	16.2	15.0	15.1	15.1	4.2	7.7	9.1	125.4	
PRECIPITATION ≥ 1.00	30	1.0	0.6	1.2	0.9	0.4	1.2	1.0	1.1	1.0	0.4	0.6	0.8	10.2	
SNOWFALL	NORMAL (IN)	30	0.*	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.0
	MAXIMUM MONTHLY (IN)	15	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)	15	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)	21	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) 2003 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
1998	3.70	11.58	3.15	0.08	0.94	2.81	7.10	7.57	7.44	0.16	0.24	0.85	45.62
1999	4.90	1.92	0.61	1.66	1.58	6.76	3.43	7.10	4.62	1.84	2.20	1.14	37.76
2000	3.19	0.65	2.14	1.12	0.51	6.12	5.40	3.73	8.46	0.92	1.51	0.60	34.35
2001	0.80	0.89	6.45	1.00	1.38	10.79	8.12	2.81	8.18	0.08	0.57	1.07	42.14
2002	4.03	1.02	1.74	0.74	2.67	7.34	10.99	6.87	6.82	2.65	3.95	6.51	55.33
2003	0.40	5.27	8.70	1.10	1.86	8.52	5.21	4.15	5.59	2.60	2.75	0.47	46.62
POR= 20 YRS	3.46	3.06	4.60	2.43	2.49	6.87	6.23	6.14	4.84	2.92	2.40	2.26	47.70

WBAN : 12816

AVERAGE TEMPERATURE (°F) 2003 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	69.0
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
1998	58.0	57.8	59.9	68.7	77.5	84.0	83.4	82.0	79.2	73.7	67.3	61.7	71.1
1999	57.9	59.6	60.0	72.0	73.4	78.6	81.9	82.2	77.9	71.4	62.9	55.2	69.4
2000	54.6	57.2	65.0	65.6	76.5	79.7	81.3	80.9	77.5	68.0	59.8	52.6	68.2
2001	50.8	62.6	61.3	67.8	73.6	79.4	80.9	81.0	75.7	68.7	65.8	61.2	69.1
2002	56.5	55.8	64.5	72.9	75.0	78.6	80.3	79.6	80.2	74.1	59.3	53.1	69.2
2003	48.7	57.5	66.7	67.5	76.5	79.1	80.1	80.1	77.4	71.6	66.0	52.8	68.7
POR= 20 YRS	54.8	58.3	62.8	67.6	74.6	79.6	81.1	80.8	78.3	70.7	63.4	56.5	69.0

HEATING DEGREE DAYS (base 65°F) 2003 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		
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
1997-98	0	0	0	29	161	301	245	209	208	33	0	0	1186
1998-99	0	0	0	4	44	157	234	185	161	32	4	0	821
1999-00	0	0	0	31	101	299	318	228	43	54	0	0	1074
2000-01	0	0	0	28	197	405	440	116	157	42	0	0	1385
2001-02	0	0	1	59	48	195	298	255	106	11	1	0	974
2002-03	0	0	0	8	213	364	498	224	51	51	0	0	1409
2003-	0	0	0	0	80	369							

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COOLING DEGREE DAYS (base 65°F) 2003 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	415	460	430	348	204	115	37	2758
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
1998	33	14	55	153	395	580	578	535	431	279	120	61	3234
1999	22	39	13	248	270	415	532	539	394	236	46	4	2758
2000	3	6	51	77	363	446	513	503	383	128	48	28	2549
2001	5	54	47	132	273	437	501	505	331	180	77	86	2628
2002	40	9	98	254	318	415	481	459	459	298	48	2	2881
2003	0	21	112	131	365	429	478	476	382	213	116	0	2723

SNOWFALL (inches) 2003 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
1997-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1998-99	0.0												
1999-00													
2000-01													
2001-02													
2002-03													
2003-													
POR= 14 YRS	0.0	T	0.0	0.0	0.0	T	T	T	T	0.0	0.0	T	T

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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 (1971 - 2000). 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 EIGHTS (OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2003
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										AUTOMATED OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS	
						GROUND												
						SEA LEVEL	GROUND	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TRAINING GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE	HYGROMETER			
<u>AIRPORT</u>																		
FAA/FSS Building Municipal Airport (J.R. Alison)	5/17/60	08/12/98	NA	29° 41'	82° 16'	a138	b22	a5	a5					c3		a3 d	e6	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.
Regional Airport	08/12/98	Present	NA	29° 41'	82° 16'	f149											S	ASOS Commissioned 08/12/98 f. Ground Elevation

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