

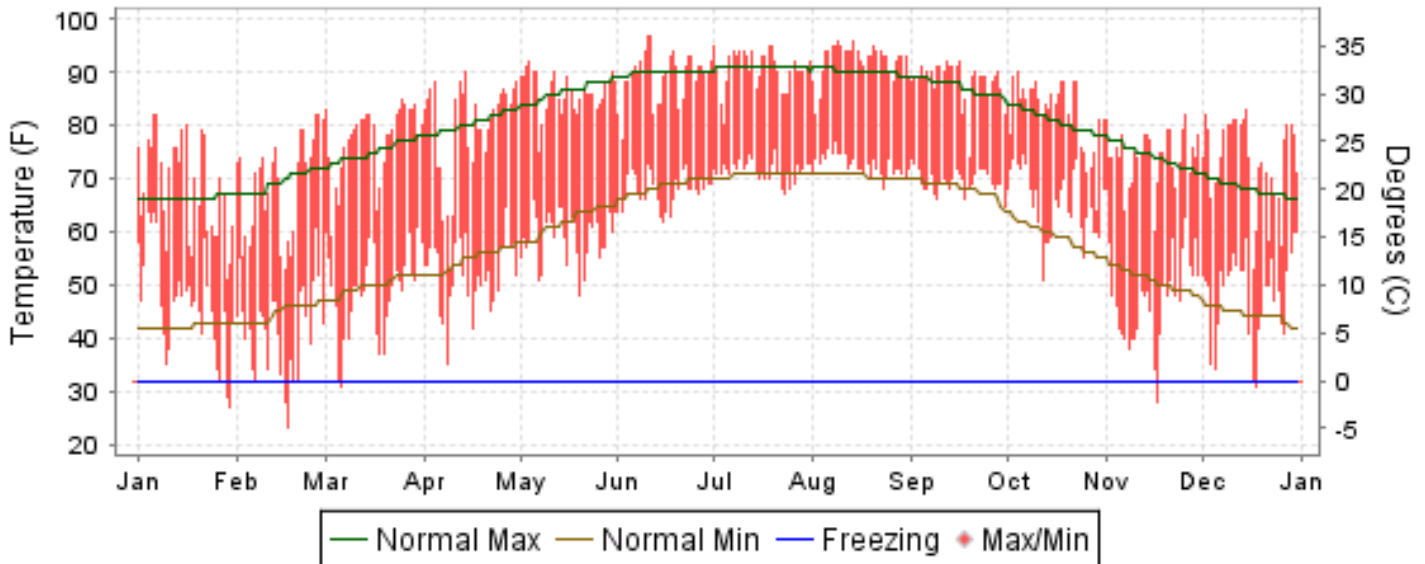


# 2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

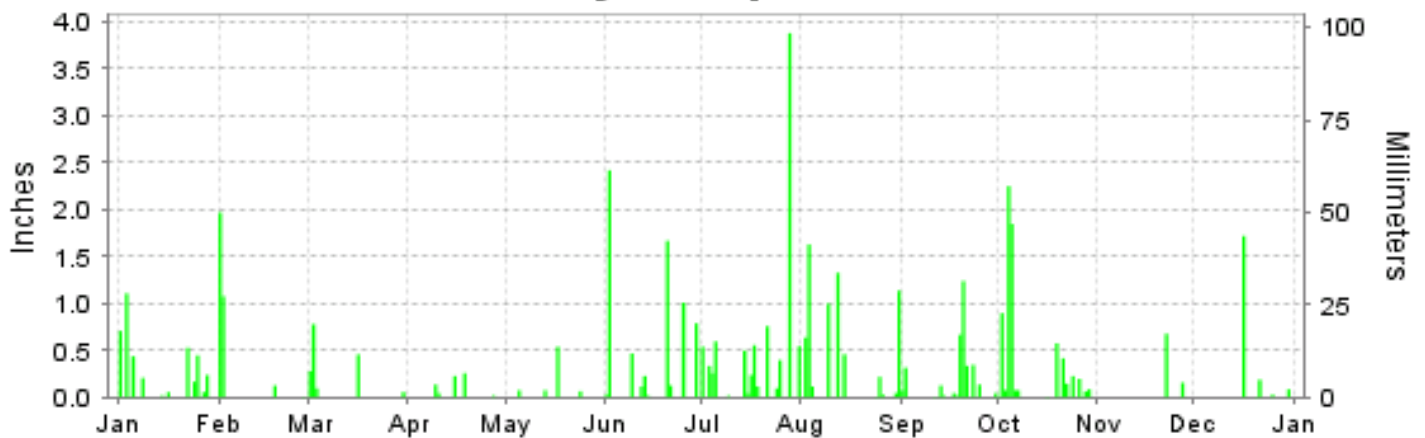
ISSN 0742-8731

## GAINESVILLE, FLORIDA (KGNV)

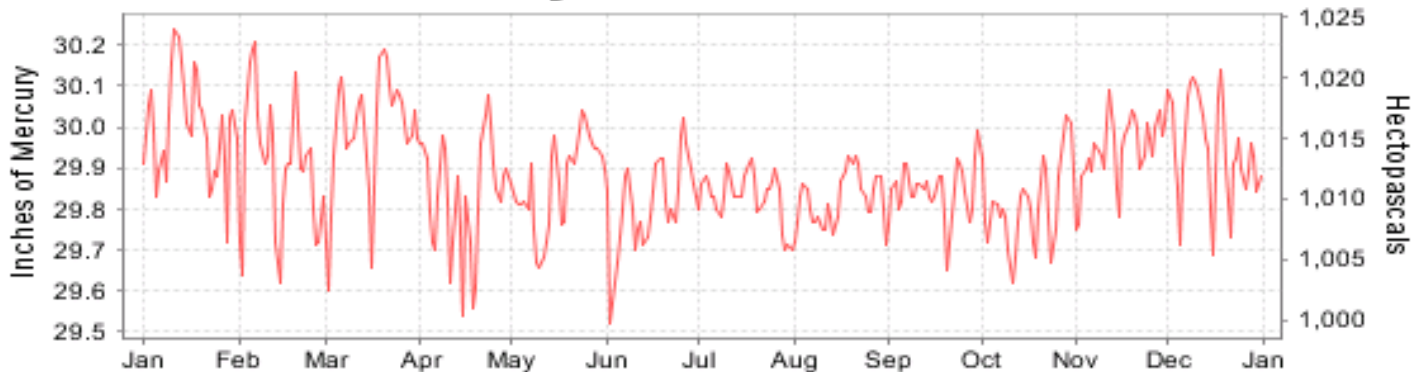
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2007

## GAINESVILLE (KGNV)

LATITUDE: 29 ° 41'N      LONGITUDE: -82 ° 16'W      ELEVATION (FT): GRND: 134    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	68.3	68.8	77.4	79.6	86.2	89.3	90.6	92.3	88.4	82.5	74.2	73.1	80.9	
	HIGHEST DAILY MAXIMUM	82	82	85	90	92	97	95	96	92	90	82	83	97	
	DATE OF OCCURRENCE	07+	27+	25	14	04	11+	19+	14	16+	04	26	15	JUN 11+	
	MEAN DAILY MINIMUM	46.7	41.6	48.8	52.0	59.0	67.8	71.6	72.7	69.6	65.5	47.9	48.5	57.6	
	LOWEST DAILY MINIMUM	27	23	31	35	48	62	67	68	65	51	28	31	23	
	DATE OF OCCURRENCE	30	17	06	08	20	15	23	23	30	12	17	18	FEB 17	
	AVERAGE DRY BULB	57.5	55.2	63.1	65.8	72.6	78.6	81.1	82.5	79.0	74.0	61.1	60.8	69.3	
	MEAN WET BULB	52.5	48.9	56.0	57.0	63.5	70.9	74.1	75.0	72.3	68.4	54.9	55.7	62.4	
	MEAN DEW POINT	48.1	42.0	49.8	49.3	57.5	67.7	71.0	72.4	69.7	65.8	50.5	52.4	58.0	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	1	6	19	23	26	13	1	0	0	0	89
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM <= 32°	3	5	2	0	0	0	0	0	0	0	1	2	13		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	256	274	103	72	2	0	0	0	0	3	138	153	1001	
	COOLING DEGREE DAYS	31	9	53	104	243	415	508	550	429	289	25	32	2688	
RH	MEAN (PERCENT)	76	65	67	60	64	75	76	76	79	81	74	78	73	
	HOUR 01 LST	87	81	86	79	85	90	90	91	90	91	86	91	87	
	HOUR 07 LST	87	80	85	72	74	81	82	86	87	88	85	90	83	
	HOUR 13 LST	54	41	41	37	39	53	57	56	60	64	51	55	51	
	HOUR 19 LST	80	64	64	56	60	75	77	78	82	84	80	82	74	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	6	2	7	2	3	1	1	4	4	0	4	16	50	
	THUNDERSTORMS	0	1	2	1	3	8	12	7	5	4	0	1	44	
CLOUDNESS	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.)	29.93	29.91	29.98	29.83	29.86	29.81	29.83	29.85	29.85	29.81	29.94	29.95	29.88	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.09	30.17	30.01	30.04	29.98	30.00	30.02	30.02	29.99	30.12	30.12	30.06	
WINDS	RESULTANT SPEED (MPH)	1.1	2.6	2.0	1.9	4.4	0.7	1.3	0.7	3.2	3.7	2.4	0.6	0.9	
	RES. DIR. (TENS OF DEGS.)	34	27	08	28	07	18	24	14	05	04	01	01	04	
	MEAN SPEED (MPH)	5.7	6.6	5.6	6.6	6.7	5.6	4.7	3.7	5.5	5.9	4.6	4.2	5.5	
	PREVAIL.DIR.(TENS OF DEGS.)	32	31	09	29	09	09	22	09	06	02	01	07	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	24	24	30	24	28	29	36	25	28	23	25	36	
	DIR. (TENS OF DEGS.)	23	26	11	27	06	01	25	24	16	05	33	20	24	
	DATE OF OCCURRENCE	28	14	22	15	23	12	17	03	20	01	15	16	AUG 03	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	37	31	33	39	43	41	36	55	33	37	93	39	93	
DIR. (TENS OF DEGS.)	23	21	34	30	08	28	25	25	14	03	22	19	22		
DATE OF OCCURRENCE	28	25	17	15	24	25	17	03	20	01	30	16	NOV 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.00	3.19	1.68	0.70	0.77	6.89	8.92	6.63	3.42	7.01	0.84	2.04	46.09	
	GREATEST 24-HOUR (IN.)	1.11	3.05	0.79	0.26	0.54	2.45	3.88	2.16	1.56	3.33	0.68	1.72	3.88	
	DATE OF OCCURRENCE	03	01-02	02-03	18	17	01-02	28	02-03	20-21	04-05	22	16	JUL 28	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	11	4	5	5	4	10	15	11	13	16	2	5	101	
PRECIPITATION 0.10	8	3	4	3	1	8	13	8	7	8	2	2	67		
PRECIPITATION 1.00	0	2	0	0	0	3	1	4	1	2	0	1	14		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

# NORMALS, MEANS, AND EXTREMES GAINESVILLE (KGNV)

LATITUDE:  
29 ° 41'N

LONGITUDE:  
-82 ° 16'W

ELEVATION (FT):  
GRND: 134 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	26	66.5	69.7	75.1	80.0	84.7	89.1	90.9	90.2	87.1	81.3	74.6	68.0	79.8
	HIGHEST DAILY MAXIMUM	24	83	87	90	95	98	102	108	99	97	92	88	84	108
	YEAR OF OCCURRENCE		2002	1997	2005	1991	2006	1985	2000	1999	1997	2002	2003	1998	JUL 2000
	MEAN OF EXTREME MAXS.	26	80.3	82.4	85.9	89.9	94.0	96.5	96.8	95.0	92.7	89.1	84.8	81.0	89.0
	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	26	43.0	45.8	50.4	54.5	60.6	68.2	71.4	71.5	69.0	60.7	51.7	44.4	57.6
	LOWEST DAILY MINIMUM	24	10	18	26	33	42	50	61	61	52	33	25	16	10
	YEAR OF OCCURRENCE		1985	1996	2002	2003	1992	1984	2006	2002	1993	1989	2000	1989	JAN 1985
	MEAN OF EXTREME MINS.	26	24.7	27.7	32.8	39.2	50.5	61.2	66.9	67.2	60.5	43.4	33.5	27.5	44.6
	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	26	54.8	57.7	62.8	67.3	72.6	78.9	81.2	80.9	78.1	71.0	63.1	56.2	68.7
	MEAN WET BULB	24	49.9	52.0	56.1	60.0	66.4	72.1	74.2	74.3	72.0	65.1	58.2	51.7	62.7
	MEAN DEW POINT	24	46.5	48.4	52.4	56.3	63.3	70.2	72.7	72.8	70.4	63.0	55.5	48.4	60.0
	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	73	79	81	83	83	81	81	80	78
	HOURLY 01 LST	30	89	88	89	88	90	93	94	94	94	92	92	91	91
	HOURLY 07 LST	30	90	90	91	91	91	93	94	96	96	94	93	91	93
	HOURLY 13 LST	30	61	56	53	51	50	59	63	64	64	62	61	62	59
	HOURLY 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)	24	5.9	4.5	3.5	2.7	3.5	2.6	2.3	2.4	3.5	3.8	5.2	6.6	46.5
	THUNDERSTORMS	24	1.4	2.0	3.5	2.6	5.0	14.1	17.8	15.6	7.4	2.6	1.3	1.0	74.3
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE (IN)	24	29.96	29.94	29.89	29.86	29.85	29.84	29.88	29.85	29.83	29.87	29.92	29.97	29.89
	MEAN SEA-LEVEL PRES. (IN)	24	30.14	30.11	30.06	30.03	30.01	30.01	30.05	30.02	29.99	30.04	30.10	30.14	30.06
WINDS	MEAN SPEED (MPH)	24	6.7	7.2	7.5	7.0	6.7	5.9	5.3	5.2	5.9	6.1	6.0	5.9	6.3
	PREVAIL. DIR. (TENS OF DEGS)	24	32	28	28	28	09	09	25	09	06	06	02	32	06
	MAXIMUM 2-MINUTE: SPEED (MPH)	9	36	35	40	33	30	45	45	36	47	29	29	35	47
	DIR. (TENS OF DEGS)		25	25	25	19	25	24	29	24	05	02	26	26	05
	YEAR OF OCCURRENCE		1999	2003	2001	2006	1999	2001	2000	2007	2004	2005	2005	2002	SEP 2004
	MAXIMUM 5-SECOND SPEED (MPH)	9	43	46	52	43	43	60	64	55	64	37	93	45	93
	DIR. (TENS OF DEGS)		27	24	32	18	08	24	29	25	05	03	22	23	22
	YEAR OF OCCURRENCE		2000	2003	2001	2006	2007	2004	2000	2007	2004	2007	2007	2002	NOV 2007
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)	24	9.01	11.58	11.13	7.42	6.24	12.86	11.10	15.84	16.45	7.98	4.51	9.60	16.45
	YEAR OF OCCURRENCE		1994	1998	1996	1997	1991	1992	1996	1985	2004	1993	1987	1997	SEP 2004
	MINIMUM MONTHLY (IN)	24	0.40	0.32	0.32	0.08	0.46	2.22	1.52	2.49	1.20	T	0.24	0.21	T
	YEAR OF OCCURRENCE		2003	1991	2006	1998	2004	1988	1992	1987	2005	1987	1998	1984	OCT 1987
	MAXIMUM IN 24 HOURS (IN)	24	2.71	4.60	3.33	2.62	3.42	4.41	4.96	3.45	6.16	5.13	2.29	4.79	6.16
	YEAR OF OCCURRENCE		1999	1998	1991	1985	1985	1990	1996	1993	1988	1992	1997	2005	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) 2007 GAINESVILLE (KGNV)**

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
2004	1.58	5.53	2.00	1.11	0.46	7.06	3.99	14.32	16.45	2.61	1.99	1.27	58.37
2005	1.41	1.82	4.60	5.41	4.13	8.10	4.89	7.43	1.20	3.43	1.21	6.35	49.98
2006	3.43	5.08	0.32	3.50	0.63	4.79	5.51	2.77	3.11	2.58	0.94	2.77	35.43
2007	4.00	3.19	1.68	0.70	0.77	6.89	8.92	6.63	3.42	7.01	0.84	2.04	46.09
POR= 26 YRS	3.21	3.17	4.01	2.47	2.24	6.93	6.54	6.67	5.11	3.09	1.99	2.38	47.81

WBAN : 12816

**AVERAGE TEMPERATURE (°F) 2007 GAINESVILLE (KGNV)**

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
2004	53.8	55.9	63.5	66.2	76.2	81.4	81.5	80.8	79.4	73.0	64.8	53.7	69.2
2005	57.8	58.7	61.8	66.8	71.4	79.4	82.5	82.4	79.7	71.1	63.9	52.4	69.0
2006	57.8	54.8	61.1	70.3	74.6	78.9	80.8	82.2	77.7	69.4	60.2	60.9	69.1
2007	57.5	55.2	63.1	65.8	72.6	78.6	81.1	82.5	79.0	74.0	61.1	60.8	69.3
POR= 26 YRS	54.8	57.7	62.8	67.3	72.6	78.9	81.2	80.9	78.1	71.0	63.1	56.2	68.7

**HEATING DEGREE DAYS (base 65°F) 2007 GAINESVILLE (KGNV)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84				4	209	107	368	220	147	43	1	0	
1984-85	0	0	0	0	28	398	493	250	58	39	0	0	1160
1985-86	0	0	0	14	32	199	363	163	174	37	0	0	1163
1986-87	0	0	0	59	130	233	465	337	157	38	2	0	1421
1987-88	0	0	0	27	66	273	127	225	98	56	5	0	877
1988-89	0	0	0	56	141	531	194	97	64	50	0	0	1133
1989-90	0	0	0	30	91	183	242	177	119	9	0	0	851
1990-91	0	0	0	18	211	232	374	203	151	83	21	0	1293
1991-92	0	0	0	21	144	264	189	298	182	67	0	0	1165
1992-93	0	0	0	13	137	405	370	149	105	17	0	0	
1993-94	0	0	0	7	51	217	357	252	84	23	0	0	991
1994-95	0	0	0	24	233	337	361	258	261	71	1	0	1546
1995-96	0	0	0	20	144	263	269	122	26	40	0	0	884
1996-97	0	0	0	29	161	301	245	209	208	33	0	0	1186
1997-98	0	0	0	4	44	157	234	185	161	32	4	0	821
1998-99	0	0	0	31	101	299	318	228	43	54	0	0	1074
1999-00	0	0	0	28	197	405	440	116	157	42	0	0	1385
2000-01	0	0	1	59	48	195	298	255	106	11	1	0	974
2001-02	0	0	0	8	213	364	498	224	51	51	0	0	1409
2002-03	0	0	0	0	80	369	350	273	96	55	1	0	1224
2003-04	0	0	0	7	77	361	235	195	185	38	2	0	1100
2004-05	0	0	0	56	73	383	247	289	157	7	5	0	1217
2005-06	0	0	0	50	179	161	256	274	103	72	2	0	1097
2006-07	0	0	0	3	138	153							

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**COOLING DEGREE DAYS (base 65°F) 2007 GAINESVILLE (KGNV)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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	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
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
2004	12	15	55	98	357	497	523	498	441	264	77	18	2855
2005	17	24	94	98	207	438	550	548	449	253	46	0	2724
2006	33	12	40	172	311	426	509	543	387	188	39	40	2700
2007	31	9	53	104	243	415	508	550	429	289	25	32	2688

**SNOWFALL (inches) 2007 GAINESVILLE (KGNV)**

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													
2003-04													
2004-05													
2005-													
POR= 20 YRS	0.0	T	0.0	0.0	0.0	T	T	T	T	T	0.0	T	T

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 (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> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2007

## GAINESVILLE

### FLORIDA (KGNV)

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

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		Longitude		ELEVATION ABOVE							REMARKS
				NORTH	WEST	SEA LEVEL	GROUND						AUTOMATIC OBSERVING EQUIPMENT *		
						GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE		8 INCH RAIN GAUGE	
<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								ASOS Commissioned 08/12/98 f. Ground Elevation	

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