

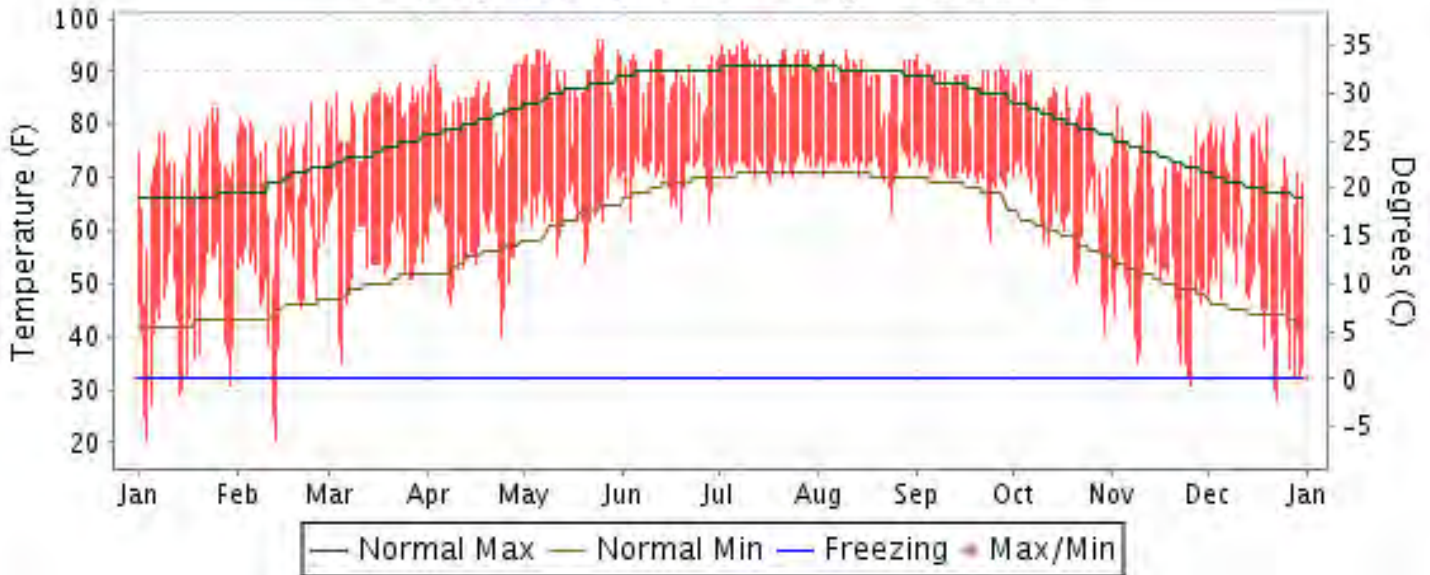


# 2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

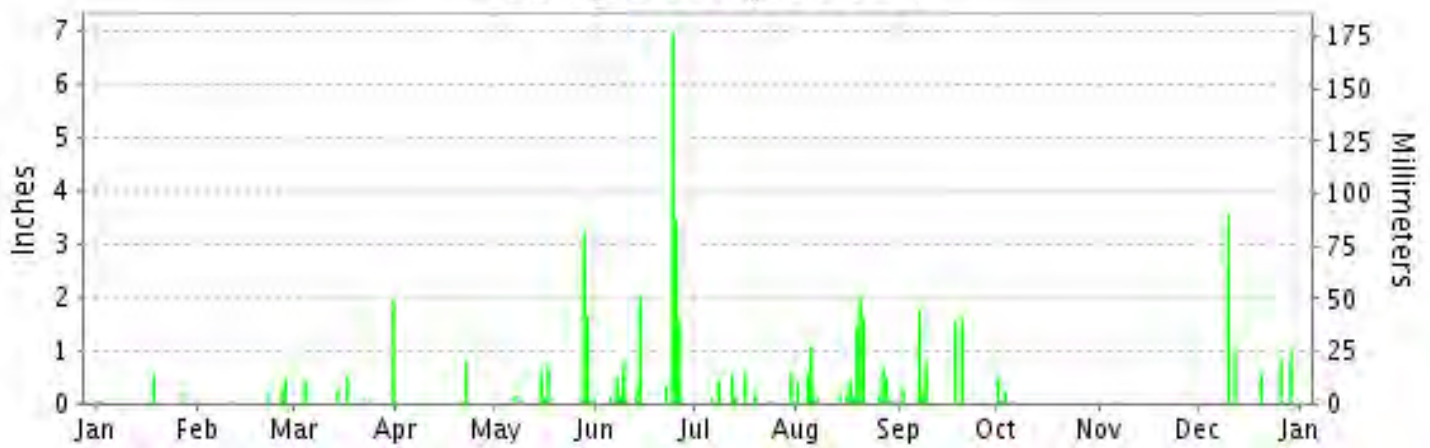
ISSN 0742-8731

## GAINESVILLE, FLORIDA (KGNV)

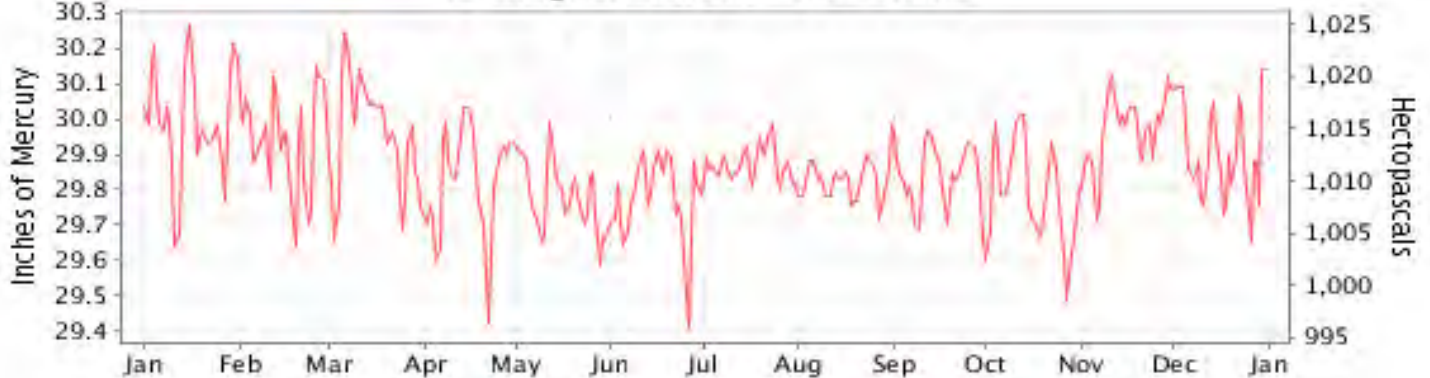
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL  
OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL  
ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2012

## GAINESVILLE (KGNV)

LATITUDE:  
29° 41'N

LONGITUDE:  
82° 16'W

ELEVATION (FT):  
GRND: 123 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	71.7	73.9	82.8	84.7	89.8	88.6	92.4	89.2	88.7	82.1	72.5	71.5	82.3	
	HIGHEST DAILY MAXIMUM	83	84	88	91	96	94	96	94	93	90	84	82	96	
	DATE OF OCCURRENCE	26+	29+	23	30+	26+	13+	08	10+	01	07+	03	10	JUL 08	
	MEAN DAILY MINIMUM	42.1	51.2	55.2	56.3	64.0	69.6	72.2	72.1	70.1	61.8	47.0	46.5	59.0	
	LOWEST DAILY MINIMUM	20	20	35	40	54	62	69	64	58	41	31	28	20	
	DATE OF OCCURRENCE	04	13	05	24	20	28+	17	24	24	30	26	23	FEB 13	
	AVERAGE DRY BULB	56.9	62.6	69.0	70.5	76.9	79.1	82.3	80.7	79.4	72.0	59.8	59.0	70.7	
	MEAN WET BULB	50.8	56.2	61.0	61.5	68.0	71.7	74.5	74.5	72.9	64.9	53.6	54.2	63.7	
	MEAN DEW POINT	43.8	50.9	55.9	55.2	63.4	68.5	71.8	72.5	69.6	61.0	49.0	50.3	59.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	5	20	14	28	17	14	3	0	0	101	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	7	2	0	0	0	0	0	0	0	0	2	4	15	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	259	123	21	16	0	0	0	0	0	28	165	199	811	
	COOLING DEGREE DAYS	17	57	153	189	378	430	541	493	439	249	16	19	2981	
RH	MEAN (PERCENT)	65	70	69	63	69	75	77	82	78	74	74	77	73	
	HOUR 01 LST	81	81	86	83	88	89	90	93	91	88	88	89	87	
	HOUR 07 LST	82	83	85	78	79	81	82	88	87	83	88	90	84	
	HOUR 13 LST	41	50	44	37	46	56	57	68	54	53	47	55	51	
	HOUR 19 LST	66	71	68	59	65	74	79	84	81	79	79	83	74	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	9	3	3	5	4	0	4	2	6	5	2	11	54	
	THUNDERSTORMS	0	1	4	0	2	5	10	11	3	2	0	4	42	
PR	MEAN STATION PRESS. (IN.)	30.00	29.94	29.96	29.83	29.78	29.77	29.87	29.83	29.84	29.79	29.96	29.91	29.87	
	MEAN SEA-LEVEL PRESS. (IN.)	30.18	30.12	30.13	29.99	29.96	29.94	30.04	30.00	30.01	29.97	30.14	30.09	30.05	
WINDS	RESULTANT SPEED (MPH)	1.6	1.1	1.1	1.0	0.5	0.9	1.7	0.9	1.1	2.3	2.7	0.9	0.2	
	RES. DIR. (TENS OF DEGS.)	25	28	14	27	17	15	21	15	08	35	36	30	29	
	MEAN SPEED (MPH)	4.7	5.9	5.9	6.0	5.7	6.5	4.1	4.5	4.3	5.7	4.9	5.0	5.3	
	PREVAIL.DIR.(TENS OF DEGS.)	31	23	10	25	26	07	19	18	04	29	01	07	01	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	25	33	31	28	25	31	24	24	32	24	17	29	33	
	DIR. (TENS OF DEGS.)	29	24	23	05	23	03	28	30	34	26	01	27	24	
	DATE OF OCCURRENCE	03	19	03	06	28	26	30	19	20	30	22	26	FEB 19	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	36	49	45	32	33	41	32	37	40	30	25	38	49	
DIR. (TENS OF DEGS.)	30	25	21	28	22	03	28	25	36	26	02	26	25		
DATE OF OCCURRENCE	03	19	04	23	28	26	30	17	20	30	17	26	FEB 19		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.85	1.06	3.36	0.91	6.90	16.34	2.74	9.95	6.26	0.89	0.05	6.93	56.24	
	GREATEST 24-HOUR (IN.)	0.56	0.62	1.97	0.86	3.36	9.02	0.71	3.31	1.97	0.57	0.04	3.56	9.02	
	DATE OF OCCURRENCE	18	26-27	31	21-22	28-29	24-25	12-13	20-21	07-08	01-02	06	10	JUN 24-25	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	4	8	7	4	10	14	13	18	9	7	2	5	101	
PRECIPITATION 0.10	2	3	5	1	7	11	7	16	6	2	0	5	65		
PRECIPITATION 1.00	0	0	1	0	2	4	0	4	3	0	0	2	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 GAINESVILLE (KGNV)

LATITUDE:  
29° 41'N

LONGITUDE:  
82° 16'W

ELEVATION (FT):  
GRND: 123 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	69.6	74.6	80.3	86.9	90.0	90.9	90.2	87.4	81.3	74.4	67.9	80.0
	MEAN DAILY MAXIMUM	31	66.5	69.8	75.4	80.4	85.3	89.6	91.0	90.2	87.4	81.5	74.6	68.2	80.0
	HIGHEST DAILY MAXIMUM	29	83	87	90	96	98	103	108	100	97	93	88	84	108
	YEAR OF OCCURRENCE		2012	2011	2005	2011	2011	2011	2000	2011	1997	2009	2003	1998	JUL 2000
	MEAN OF EXTREME MAXS.	31	80.3	82.4	85.9	89.9	94.2	96.7	96.6	95.2	92.9	89.3	84.7	81.0	89.1
	NORMAL DAILY MINIMUM	30	42.3	45.3	50.0	54.9	62.4	69.3	71.5	71.6	69.0	60.5	51.1	44.4	57.7
	MEAN DAILY MINIMUM	31	42.5	45.5	50.2	54.6	61.1	68.5	71.5	71.7	69.0	60.3	51.2	44.4	57.5
	LOWEST DAILY MINIMUM	29	10	18	26	33	42	50	61	61	52	32	25	16	10
	YEAR OF OCCURRENCE		1985	1996	2002	2003	1992	1984	2006	2002	2009	2008	2008	1989	JAN 1985
	MEAN OF EXTREME MINS.	31	24.0	27.2	32.5	39.0	50.9	61.5	66.8	67.2	59.9	42.7	33.1	27.6	44.4
	NORMAL DRY BULB	30	54.3	57.5	62.3	67.6	74.7	79.7	81.2	80.9	78.2	70.9	62.8	56.1	68.9
	MEAN DRY BULB	31	54.5	57.6	62.8	67.5	73.2	79.2	81.3	81.0	78.2	70.9	62.9	56.3	68.8
	MEAN WET BULB	29	48.6	50.9	55.1	59.2	65.9	71.7	73.8	74.1	71.5	64.1	56.9	50.8	61.9
	MEAN DEW POINT	29	46.8	48.9	53.0	57.1	64.1	70.7	73.0	73.2	70.7	63.1	55.5	49.0	60.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.8	8.5	16.1	20.5	17.9	8.0	0.8	0.0	0.0	72.6
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
MINIMUM <= 32	30	5.6	3.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.2	14.4	
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	345	232	137	43	4	0	0	0	0	27	134	296	1218
	NORMAL COOLING DEG. DAYS	30	12	20	54	121	303	439	502	493	396	210	66	22	2638
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)	29	6.4	4.2	3.3	2.9	3.5	2.5	2.3	2.5	3.5	3.8	4.9	6.4	46.2
	THUNDERSTORMS	29	1.4	1.9	3.3	2.6	4.8	13.4	16.5	14.5	6.7	2.4	1.2	1.0	69.7
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	29	29.96	29.93	29.89	29.86	29.84	29.84	29.87	29.84	29.82	29.86	29.92	29.96	29.88
	MEAN SEA-LEVEL PRES. (IN)	29	30.14	30.11	30.07	30.03	30.01	30.00	30.04	30.01	29.99	30.03	30.10	30.14	30.06
WINDS	MEAN SPEED (MPH)	29	6.5	7.0	7.3	6.9	6.5	5.7	5.1	5.1	5.7	5.9	5.9	5.9	6.1
	PREVAIL.DIR(TENS OF DEGS)	29	32	31	28	26	26	26	25	25	06	06	02	31	06
	MAXIMUM 2-MINUTE: SPEED (MPH)	14	36	35	40	43	40	45	45	41	47	29	29	35	47
	DIR. (TENS OF DEGS)		25	25	25	29	04	24	29	03	05	29	28	26	05
	YEAR OF OCCURRENCE		1999	2003	2001	2010	2009	2001	2000	2009	2004	2009	2010	2002	SEP 2004
	MAXIMUM 3-SECOND SPEED (MPH)	14	47	49	52	56	60	64	64	61	64	41	93	45	93
	DIR. (TENS OF DEGS)		26	25	32	36	04	25	29	02	05	31	22	23	22
YEAR OF OCCURRENCE		2009	2012	2001	2010	2009	2011	2000	2009	2004	2008	2007	2002	NOV 2007	
PRECIPITATION	NORMAL (IN)	30	3.33	3.20	4.33	2.67	2.48	7.12	6.07	6.39	4.42	2.88	2.06	2.38	47.33
	MAXIMUM MONTHLY (IN)	29	9.01	11.58	11.13	7.42	8.23	16.34	11.10	15.84	16.45	7.98	4.51	9.60	16.45
	YEAR OF OCCURRENCE		1994	1998	1996	1997	2009	2012	1996	1985	2004	1993	1987	1997	SEP 2004
	MINIMUM MONTHLY (IN)	29	0.40	0.32	0.32	0.08	0.46	2.22	1.52	2.49	0.53	T	0.05	0.21	0.05
	YEAR OF OCCURRENCE		2003	1991	2006	1998	2004	1988	1992	1987	2008	2010	2012	1984	NOV 2012
	MAXIMUM IN 24 HOURS (IN)	29	2.71	4.60	3.33	2.62	3.42	9.02	4.96	4.30	6.16	5.13	2.29	4.79	9.02
	YEAR OF OCCURRENCE		1999	1998	1991	1985	1985	2012	1996	2008	1988	1992	1997	2005	JUN 2012
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	8.9	7.2	7.9	5.8	6.5	14.7	15.4	16.1	11.6	7.3	6.1	6.9	114.4
PRECIPITATION >= 1.00	30	1.1	1.0	1.3	0.7	0.7	1.9	1.6	2.0	1.2	0.7	0.7	0.6	13.5	
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	0.0	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) 2012 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
2008	3.79	3.15	4.36	1.05	0.62	5.30	5.61	9.22	0.53	3.66	1.54	0.89	39.72
2009	3.49	2.09	3.97	2.70	8.23	3.66	6.73	6.78	2.84	1.43	2.26	2.72	46.90
2010	4.54	3.87	3.25	2.99	3.08	8.99	5.45	4.90	1.35	T	0.56	0.69	39.67
2011	3.68	3.59	3.04	1.17	2.63	5.78	3.50	3.29	1.86	2.73	1.62	0.49	33.38
2012	0.85	1.06	3.36	0.91	6.90	16.34	2.74	9.95	6.26	0.89	0.05	6.93	56.24
POR= 31 YRS	3.22	3.11	3.94	2.35	2.56	7.10	6.27	6.69	4.70	2.87	1.86	2.37	47.04

WBAN : 12816

**AVERAGE TEMPERATURE (°F) 2012 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	68.1
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
2008	54.9	59.1	61.1	67.3	75.6	79.9	80.5	80.2	78.4	68.9	58.2	59.4	68.6
2009	53.7	53.8	63.3	66.8	74.8	80.9	80.3	80.7	78.6	73.4	63.1	57.2	68.9
2010	49.0	49.6	57.3	67.9	78.0	82.3	83.6	83.6	79.8	70.6	62.8	47.8	67.7
2011	51.8	61.3	64.9	71.8	77.0	82.6	82.3	84.0	79.6	69.0	64.2	60.5	70.8
2012	56.9	62.6	69.0	70.5	76.9	79.1	82.3	80.7	79.4	72.0	59.8	59.0	70.7
POR= 31 YRS	54.5	57.6	62.8	67.5	73.2	79.2	81.3	81.0	78.2	70.9	62.9	56.3	68.8

**HEATING DEGREE DAYS (base 65°F) 2012 GAINESVILLE (KGNV)**

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
2003-04	0	0	0	0	80	369	350	273	96	55	1	0	1224
2004-05	0	0	0	7	77	361	235	195	185	38	2	0	1100
2005-06	0	0	0	56	73	383	247	289	157	7	5	0	1217
2006-07	0	0	0	50	179	161	256	274	103	72	2	0	1097
2007-08	0	0	0	3	138	153	316	193	142	52	0	0	997
2008-09	0	0	0	55	233	199	356	311	111	40	4	0	1309
2009-10	0	0	0	31	91	272	490	425	233	10	0	0	1552
2010-11	0	0	0	2	113	527	403	155	61	14	0	0	1275
2011-12	0	0	0	36	84	153	259	123	21	16	0	0	692
2012-	0	0	0	28	165	199							

WBAN : 12816

**COOLING DEGREE DAYS (base 65°F) 2012 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	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
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
2008	8	29	28	125	335	456	489	479	409	183	37	33	2611
2009	10	3	68	98	315	484	482	491	413	296	41	37	2738
2010	4	0	2	105	410	526	584	586	452	183	55	0	2907
2011	2	59	66	225	376	535	543	595	444	165	65	20	3095
2012	17	57	153	189	378	430	541	493	439	249	16	19	2981

**SNOWFALL (inches) 2012 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= 15 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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p>	<p>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. 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. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b></p> <p>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.</p> <ol style="list-style-type: none"> <li>1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.</li> <li>2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: <a href="http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt">http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt</a>.</li> </ol>
---	--

# 2012 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 History

GAINESVILLE, FL

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
GAINESVILLE MUNICIPAL AP	1943-11-01	1944-10-31	29° 42'	-82° 16'			MILITARY
GAINESVILLE REGIONAL AP	2004-07-15	Present	29° 41'	-82° 16'	123		AIRWAYS, ASOS, COOP
GAINESVILLE MUNICIPAL AP	1960-05-01	1970-01-01	29° 40'	-82° 16'	144		COOP
GAINESVILLE REGIONAL AP	1993-01-01	1998-08-12	29° 40'	-82° 16'	138		COOP
GAINESVILLE REGIONAL AP	1998-08-12	2002-09-10	29° 41'	-82° 16'	134		AIRWAYS, ASOS, COOP
GAINESVILLE REGIONAL AP	2002-09-10	2004-07-15	29° 41'	-82° 16'	123		AIRWAYS, ASOS, COOP
GAINESVILLE MUNICIPAL AP	1984-02-01	1993-01-01	29° 40'	-82° 16'	138		COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2004-07-15	Present	DAILY	2400			
TEMP	1943-11-01	1944-10-31	DAILY	2400	HYGR		
TEMP	1984-02-01	1998-08-12	DAILY	2400	TEMPX		
PRECIP	1998-08-12	2004-07-15	DAILY	2400	TB	RCRD	
PRECIP	2004-07-15	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2004-07-15	Present	DAILY	2400	PCPN1		
PRECIP	1943-11-01	1944-10-31	DAILY	2400			
TEMP	1947-03-01	1970-01-01	DAILY	2400			
PRECIP	1998-08-12	2004-07-15	HOURLY		TB	RCRD	
PRECIP	1984-02-01	1998-08-12	DAILY	2400	TB	RCRD	
TEMP	1998-08-12	2004-07-15	DAILY	2400	HYGR		
PRECIP	1947-03-01	1970-01-01	DAILY	2400			

\* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)