

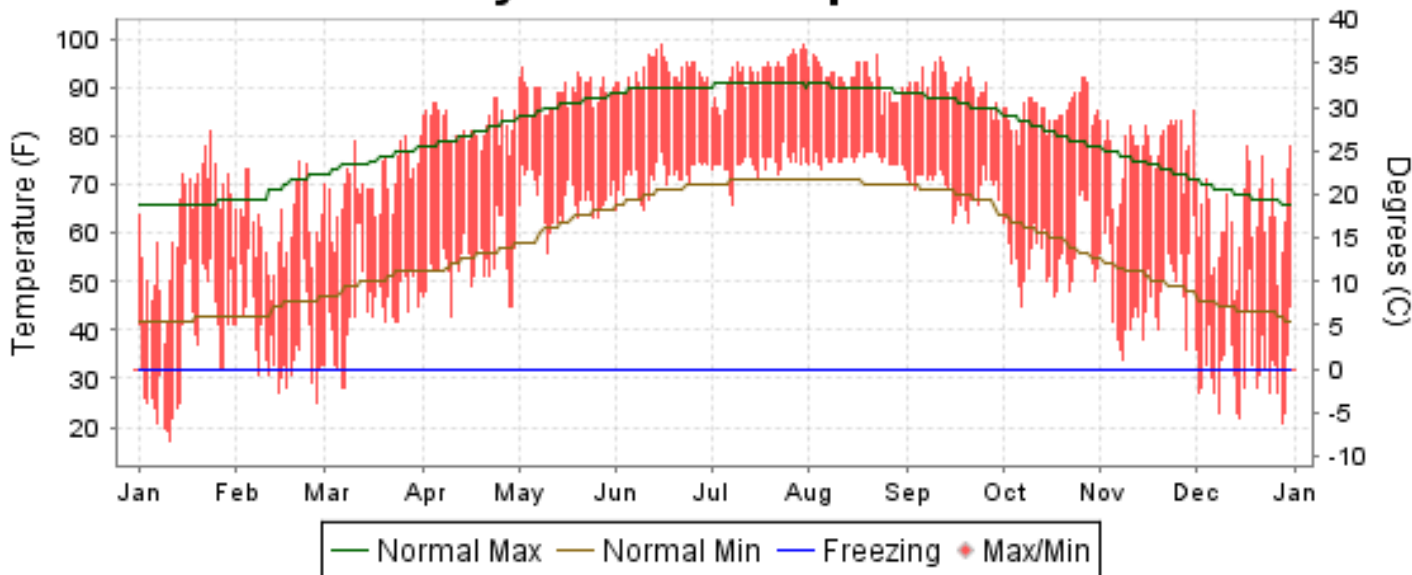


2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

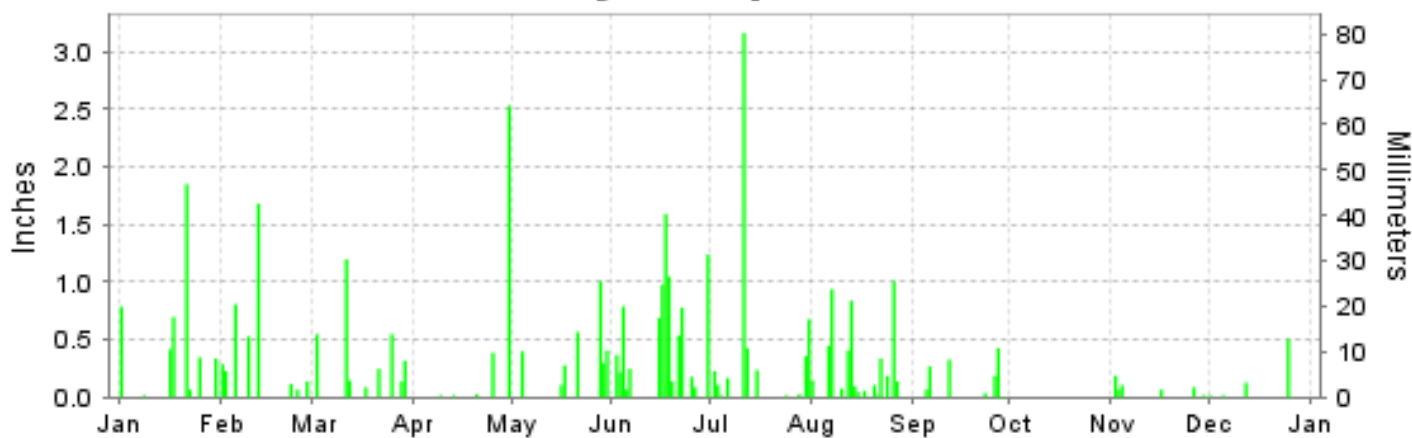
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GAINESVILLE, FLORIDA (KGNV)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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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 2010

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	61.8	61.7	70.3	82.2	89.2	93.2	93.1	91.9	90.4	85.4	77.7	63.1	80.0	
	HIGHEST DAILY MAXIMUM	81	75	80	88	94	99	99	97	96	92	85	78	99	
	DATE OF OCCURRENCE	24	21	31+	24+	02	15	30	22+	11	27+	30	31+	JUL 30	
	MEAN DAILY MINIMUM	36.2	37.5	44.3	53.6	66.7	71.4	74.1	75.3	69.2	55.7	47.8	32.4	55.4	
	LOWEST DAILY MINIMUM	17	25	28	43	56	65	66	73	62	45	34	21	17	
	DATE OF OCCURRENCE	11	26	07+	10	10	10+	08	31+	20+	07	08	28	JAN 11	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	43.9	44.6	51.0	60.8	70.5	74.7	76.1	76.8	72.6	61.8	55.6	41.4	60.8	
	MEAN DEW POINT	37.6	38.4	45.0	55.6	66.9	71.7	73.5	74.6	69.5	56.6	50.5	33.1	56.1	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	17	28	26	24	20	3	0	0	118	
MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0		
MINIMUM <= 32°	15	9	3	0	0	0	0	0	0	0	0	16	43		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	490	425	233	10	0	0	0	0	0	2	113	527	1800	
	COOLING DEGREE DAYS	4	0	2	105	410	526	584	586	452	183	55	0	2907	
RH	MEAN (PERCENT)	70	70	69	69	74	76	77	80	76	67	70	63	72	
	HOUR 01 LST	83	83	86	90	91	91	91	91	91	88	88	77	88	
	HOUR 07 LST	85	85	85	83	82	80	83	86	86	81	85	79	83	
	HOUR 13 LST	48	48	45	41	50	56	57	64	52	38	42	37	48	
	HOUR 19 LST	72	71	66	66	74	79	78	82	80	71	76	66	73	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	5	0	1	3	4	2	3	0	3	3	2	2	28	
	THUNDERSTORMS	2	1	3	2	6	11	9	11	4	0	0	0	49	
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.)	29.92	29.81	29.77	29.85	29.83	29.84	29.86	29.78	29.79	29.84	29.91	29.91	29.84	
	MEAN SEA-LEVEL PRESS. (IN.)	30.11	29.99	29.95	30.03	30.00	30.01	30.02	29.96	29.96	30.01	30.09	30.09	30.02	
WINDS	RESULTANT SPEED (MPH)	2.2	3.1	2.9	0.9	1.1	0.7	1.1	1.3	1.9	1.6	1.1	3.4	0.6	
	RES. DIR. (TENS OF DEGS.)	29	30	26	11	17	21	14	16	07	33	02	30	29	
	MEAN SPEED (MPH)	6.5	6.6	6.5	5.7	5.3	3.6	4.5	4.7	4.2	4.1	4.4	6.1	5.2	
	PREVAIL.DIR.(TENS OF DEGS.)	31	31	28	06	09	10	07	20	08	33	33	29	08	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	26	32	43	33	33	31	23	22	18	29	29	43	
	DIR. (TENS OF DEGS.)	25	10	26	29	12	20	05	16	02	04	28	27	29	
	DATE OF OCCURRENCE	17	12	02	30	29	15	11	11	12	06	16	12	APR 30	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	39	35	43	56	44	45	38	29	28	24	40	38	56		
DIR. (TENS OF DEGS.)	29	27	26	36	05	22	35	20	10	26	29	26	36		
DATE OF OCCURRENCE	25	05	02	30	21	18	31	24	01	14	16	12	APR 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	1.92	1.68	1.20	2.53	1.05	2.64	3.59	1.06	0.55	T	0.26	0.52	3.59	
	DATE OF OCCURRENCE	21-22	12	11	30	28-29	17-18	11-12	26-27	26-27	28	02-03	25-26	JUL 11-12	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	8	8	8	5	7	16	11	16	8	0	7	5	99	
PRECIPITATION 0.10	6	7	7	2	7	13	8	11	4	0	2	2	69		
PRECIPITATION 1.00	1	1	1	1	1	3	1	1	0	0	0	0	10		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

HEATING DEGREE DAYS (base 65°F) 2010 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-	0	0	0	2	113	527							

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COOLING DEGREE DAYS (base 65°F) 2010 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	
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

SNOWFALL (inches) 2010 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. 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. 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.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: 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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2010 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.

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