



JULY 2005

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## RALEIGH/DURHAM, NC

RALEIGH-DURHAM INTL ARPT (RDU)

Lat: 35°52' N Long: 78°47' W Elev (Ground): 427 Feet

Time Zone: EASTERN WBAN: 13722 ISSN #:0198-3784

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE				
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM									
																			5-SEC		2-MIN							
																			SPEED	DIR	SPEED	DIR						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
01	99	72	86	8	70	75	0	21	TS TSRA BR HZ	0		0.0	T	29.34	29.80	4.1	25	5.1	23	22	21	24	01					
02	91	70	81	3	70	73	0	16	TSRA RA BCFG BR HZ	0		0.0	0.08	29.38	29.84	1.8	07	4.4	23	07	18	08	02					
03	87	71	79	1	69	72	0	14	RA BR HZ	0		0.0	T	29.55	30.01	6.7	09	8.0	18	10	15	09	03					
04	90	73	82	4	68	73	0	17	RA DZ HZ	0		0.0	T	29.64	30.10	3.3	13	5.4	15	17	13	17	04					
05	97	72	85	7	72	75	0	20	RA FG BR HZ	0		0.0	0.01	29.54	29.99	5.7	22	6.6	31	23	25	22	05					
06	96	69	83	4	70	73	0	18	TSRA BR HZ	0		0.0	0.24	29.49	29.95	2.8	26	4.0	26	29	21	29	06					
07	94	72	83	4	71	74	0	18	TS TSRA RA BR HZ VCSH	0		0.0	1.85	29.48	29.94	4.9	17	6.0	29	17	21	16	07					
08	86	69	78	-1	67	70	0	13	BR	0		0.0	0.00	29.52	29.98	3.6	25	5.8	17	22	15	23	08					
09	92	67*	80	1	64	69	0	15	BCFG BR	0		0.0	0.00	29.63	30.09	1.8	23	3.6	15	26	12	23	09					
10	94	68	81	2	67	72	0	16	BR	0		0.0	0.00	29.65	30.11	2.7	20	3.8	15	21	13	22	10					
11	91	71	81	2	72	75	0	16	BR	0		0.0	0.00	29.65	30.11	4.3	21	5.2	16	23	13	22	11					
12	95	75	85	6	73	76	0	20	RA BR	0		0.0	T	29.60	30.05	8.8	23	9.0	22	24	20	23	12					
13	93	72	83	4	72	74	0	18	TS RA BR	0		0.0	T	29.51	29.96	7.2	22	8.2	25	14	21	15	13					
14	90	71	81	2	71	73	0	16	TS TSRA HZ	0		0.0	T	29.50	29.95	4.9	20	5.8	20	23	18	23	14					
15	94	73	84	5	71	74	0	19	TSRA	0		0.0	T	29.56	30.01	6.8	23	7.4	22	23	17	23	15					
16	93	74	84	5	72	75	0	19	BR	0		0.0	0.00	29.62	30.08	8.6	23	8.9	23	24	18	22	16					
17	96	74	85	6	73	76	0	20	TS TSRA RA BR	0		0.0	0.10	29.62	30.08	6.9	24	7.4	28	29	21	29	17					
18	96	75	86	7	73	76	0	21	TS RA BR	0		0.0	T	29.60	30.06	5.8	23	7.0	22	22	17	21	18					
19	98	72	85	6	73	76	0	20	TS TSRA BR	0		0.0	1.96	29.58	30.04	6.1	23	8.7	22	25	18	25	19					
20	95	73	84	5	73	76	0	19	TSRA RA BR HZ	0		0.0	0.07	29.59	30.05	2.9	26	4.0	16	26	12	24	20					
21	97	73	85	6	73	76	0	20	RA FG+ MIFG BR HZ	0		0.0	0.14	29.56	30.01	2.7	24	3.8	28	23	22	23	21					
22	96	73	85	6	73	75	0	20	TS TSRA RA BR HZ	0		0.0	0.03	29.50	29.96	2.5	21	5.5	20	21	15	21	22					
23	92	72	82	3	70	73	0	17	BR HZ	0		0.0	0.00	29.55	30.01	5.1	04	5.2	17	02	14	04	23					
24	89	68	79	0	67	71	0	14	BR	0		0.0	0.00	29.62	30.08	0.5	35	1.8	14	05	10	05	24					
25	97	70	84	5	72	75	0	19	BR HZ	0		0.0	0.00	29.52	29.97	5.2	23	6.6	16	23	14	23	25					
26	101	73	87	8	68	75	0	22	BR HZ	0		0.0	0.00	29.46	29.92	1.6	08	4.6	20	16	13	05	26					
27	102*	75	89*	10	72	77	0	24	BR HZ	0		0.0	0.00	29.42	29.87	3.3	24	4.3	20	01	14	23	27					
28	94	70	82	3	70	74	0	17	TS TSRA GS BR HZ	0		T	2.08	29.54	30.00	2.8	05	6.9	46*	23	31*	24	28					
29	80	71	76	-3	70	72	0	11	TSRA RA BR	0		0.0	0.17	29.66	30.12	2.1	07	4.7	15	10	13	11	29					
30	83	72	78	-1	71	73	0	13	RA BR	0		0.0	0.23	29.70	30.16	2.6	05	3.5	14	10	9	08	30					
31	81	70	76*	-3	71	72	0	11	RA BR	0		0.0	0.68	29.69	30.15	3.7	05	4.0	20	08	16	07	31					
92.9		71.6	82.3	■ ■	70.6	73.9	0.0	17.5	< MONTHLY AVERAGES		TOTALS->		T	7.64	29.56	30.02	1.8	23	5.7	<- MONTHLY AVERAGES								
3.8		3.1	3.5	■ ■	<-----DEPARTURE FROM NORMAL----->								3.35	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.23 DATE :28-29					SEA LEVEL PRESSURE					DATE TIME									
MONTHLY									GREATEST 24-HR SNOWFALL: T DATE :28					MAXIMUM					: 30.20 30 0951									
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM					: 29.73 01 1651									
HEATING: 0 0 0 0									NUMBER OF DAYS WITH →					MAXIMUM TEMP ≥ 90: 25					MINIMUM TEMP ≤ 32 : 0					PRECIPITATION ≥ 0.01 INCH : 13				
COOLING: 544 115 1004 115														MAXIMUM TEMP ≤ 32 : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 9				
														THUNDERSTORMS : 14					HEAVY FOG : 1					SNOWFALL ≥ 1.0 INCH : 0				

JULY 2005  
RALEIGH/DURHAM, NC

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

JULY 2005

RDU

WBAN # 13722

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST		
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.	
01													01												01			T		
02	0.01	0.07	T										02						T		T	T	T	T	02			T	0.08	
03										T	T		03												03			T		
04	T		T	T									04											T	04			T		
05		T											05			0.01						T			05			T	0.01	
06													06												06			0.24		
07													07		T		0.24								07			1.85		
08													08								0.77	0.36	0.69	0.03	08			0.00		
09													09												09			0.00		
10													10												10			0.00		
11													11												11			0.00		
12													12	T											12			T		
13													13					T	T						13			T		
14													14					T	T						14			T		
15													15											T	15			T		
16													16												16			0.00		
17													17					0.10	T						17			0.10		
18													18			T									18			T		
19													19												19			1.96		
20	0.03	0.04	T										20										0.46	1.39	0.11	20			0.07	
21													21												21			0.14		
22													22						0.13	0.01					22			0.03		
23													23								0.03	T			23			0.00		
24													24												24			0.00		
25													25												25			0.00		
26													26												26			0.00		
27													27												27			0.00		
28													28												28			2.08		
29	0.04	0.04	0.06	0.01	T								29								T	0.03	1.63	0.32	0.10	29			0.17	
30	T	T	T	T	T	0.07	T	0.01		T	T	T	30	T								0.02	T		T	30			0.23	
31	0.02	T	T	0.02	T	0.01	T	T	T	T	0.01	T	31	T	T		0.08	0.10	0.44	T					31			0.68		

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.36	.66	.83	1.00	1.29	1.58	1.84	1.93	1.95	1.97	1.99	2.05
Ending Date	28	28	28	28	19	19	19	28	28	28	28	28
Ending Time (Hour/Min)	2108	2112	2117	2122	2212	2228	2238	2217	2217	2217	2318	2356

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

\* = Extreme for the month (last occurrence if more than one)  
T = Trace precipitation amount  
+ = also occurs on earlier date  
FG+ = Heavy fog, visibility .25 miles or less  
BLANK entries denote missing or unreported data

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

## WEATHER NOTATIONS

**RALEIGH/DURHAM, NC**  
**JULY 2005**

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							1.50	8.00	
02							4.00	9.00	
03							2.50	10.00	
04							6.00	10.00	
05							.50	10.00	
06							4.00	10.00	
07							2.00	10.00	
08							5.00	10.00	
09							5.00	10.00	
10							4.00	10.00	
11							5.00	10.00	
12							6.00	10.00	
13							6.00	10.00	
14							6.00	10.00	
15							7.00	10.00	
16							4.00	10.00	
17							5.00	10.00	
18							6.00	10.00	
19							1.00	10.00	
20							3.00	10.00	
21							2.00	10.00	
22							4.00	9.00	
23							3.00	10.00	
24							5.00	10.00	
25							5.00	7.00	
26							4.00	10.00	
27							4.00	10.00	
28							2.00	10.00	
29							3.00	10.00	
30							1.00	10.00	
31							3.00	10.00	
MONTHLY AVGS							3.85	9.74	

SUNSHINE (MINUTES)

Total:

Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

31

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 12 1

## OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JULY 2005

RDU

WBAN # 13722

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)									
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT <small>Okta</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT <small>Okta</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0503						JUL 01						SUNSET: 1935						SUNRISE: 0506						JUL 07						SUNSET: 1935					
01	SCT	NC			4.00 HZ	75	70	72	84	0	00	29.37	29.82	01	OVC	130			5.00 BR	74	72	73	94	0	00	29.52	29.98								
04	FEW	NC			3.00 BR	74	72	73	94	0	00	29.36	29.82	04	OVC	130			3.00 BR	73	71	72	94	0	00	29.51	29.96								
07	FEW	NC			2.50 HZ	78	73	75	85	0	00	29.38	29.83	07	BKN	150			4.00 BR	77	73	74	88	3	33	29.53	29.99								
10	FEW	NC			5.00 HZ	89	71	76	55	6	29	29.38	29.83	10	BKN	200			7.00	85	71	75	63	6	14	29.55	30.01								
13	SCT	NC			5.00 HZ	94	70	77	46	12	23	29.34	29.80	13	BKN	120			8.00	91	71	77	52	8	14	29.50	29.95								
16	SCT	NC			5.00 HZ	95	68	76	41	7	28	29.28	29.74	16	BKN	130			10.00	91	63	72	39	15	15	29.43	29.88								
19	BKN	130			5.00 HZ	88	70	76	55	8	24	29.30	29.75	19	OVC	095			10.00 TS	86	67	73	53	12	15	29.40	29.85								
22	OVC	130			8.00	77	68	71	74	8	22	29.35	29.81	22	OVC	036			9.00 -TSRA	74	72	73	94	8	19	29.44	29.90								
SUNRISE: 0503						JUL 02						SUNSET: 1935						SUNRISE: 0506						JUL 08						SUNSET: 1934					
01	OVC	110			6.00 -TSRA BR	74	69	71	85	7	25	29.34	29.79	01	FEW	NC			9.00	74	72	73	94	10	21	29.43	29.88								
04	SCT	NC			4.00 BR	72	70	71	94	3	26	29.33	29.78	04	BKN	009			7.00	73	71	72	94	9	24	29.42	29.88								
07	BKN	250			5.00 BR	74	71	72	91	5	20	29.36	29.82	07	BKN	012			7.00	72	69	70	91	7	24	29.50	29.96								
10	BKN	150			7.00	81	70	74	69	3	VR	29.39	29.85	10	BKN	025			10.00	74	65	68	74	6	VR	29.54	30.00								
13	BKN	150			9.00	89	67	74	48	3	VR	29.38	29.83	13	BKN	035			10.00	81	64	70	57	8	35	29.56	30.02								
16	OVC	150			8.00	89	68	75	50	7	05	29.36	29.82	16	BKN	095			10.00	84	64	71	51	5	26	29.54	30.00								
19	BKN	150			5.00 HZ	80	73	75	79	5	06	29.39	29.85	19	SCT	NC			10.00	81	64	70	57	5	29	29.55	30.01								
22	BKN	140			6.00 HZ	79	69	72	72	14	09	29.45	29.91	22	CLR	NC			10.00	71	67	68	87	0	00	29.60	30.06								
SUNRISE: 0504						JUL 03						SUNSET: 1935						SUNRISE: 0507						JUL 09						SUNSET: 1934					
01	SCT	NC			5.00 HZ	73	68	70	84	0	00	29.47	29.93	01	CLR	NC			10.00	69	66	67	90	0	00	29.61	30.07								
04	OVC	004			3.00 BR	72	70	71	94	7	06	29.46	29.92	04	CLR	NC			6.00 BR	67	65	66	93	0	00	29.60	30.06								
07	OVC	008			2.50 HZ	74	69	71	85	8	05	29.55	30.01	07	SCT	NC			8.00	72	69	70	91	0	00	29.64	30.10								
10	BKN	046			10.00	78	68	71	71	8	10	29.58	30.04	10	SCT	NC			7.00	85	62	70	46	8	30	29.67	30.13								
13	OVC	032			9.00	83	69	74	63	10	05	29.58	30.04	13	SCT	NC			8.00	89	58	69	35	0	00	29.64	30.10								
16	BKN	140			10.00	87	68	74	53	13	12	29.55	30.01	16	BKN	250			8.00	88	57	68	35	5	15	29.62	30.07								
19	OVC	140			9.00	82	68	73	63	6	13	29.57	30.03	19	BKN	250			8.00	85	64	71	50	5	26	29.62	30.07								
22	OVC	055			9.00	80	70	73	71	6	12	29.61	30.07	22	BKN	250			9.00	76	67	70	74	6	23	29.64	30.10								
SUNRISE: 0504						JUL 04						SUNSET: 1935						SUNRISE: 0507						JUL 10						SUNSET: 1934					
01	OVC	020			9.00	77	69	72	77	5	08	29.63	30.09	01	SCT	NC			8.00	71	68	69	90	0	00	29.65	30.11								
04	OVC	017			7.00	74	69	71	85	3	08	29.63	30.09	04	BKN	250			5.00 BR	71	68	69	90	0	00	29.64	30.10								
07	BKN	025			7.00	74	68	70	82	5	06	29.67	30.12	07	BKN	250			4.00 BR	74	72	73	94	3	22	29.69	30.14								
10	BKN	150			10.00	82	68	73	63	8	15	29.68	30.14	10	BKN	250			10.00	85	67	73	55	0	00	29.69	30.15								
13	BKN	055			10.00	87	67	73	51	5	15	29.66	30.12	13	BKN	250			10.00	90	62	72	39	7	VR	29.68	30.14								
16	BKN	085			10.00	88	67	74	50	6	18	29.62	30.08	16	SCT	NC			10.00	93	62	73	36	8	21	29.63	30.09								
19	OVC	065			9.00	85	68	73	57	6	15	29.61	30.07	19	OVC	180			10.00	86	64	72	48	5	15	29.62	30.08								
22	OVC	065			7.00	79	71	74	77	0	00	29.64	30.10	22	OVC	180			10.00	79	70	73	74	7	23	29.65	30.10								
SUNRISE: 0505						JUL 05						SUNSET: 1935						SUNRISE: 0508						JUL 11						SUNSET: 1933					
01	OVC	060			9.00 -RA	77	72	74	85	5	20	29.61	30.06	01	BKN	180			10.00	75	70	72	84	0	00	29.63	30.09								
04	BKN	200			7.00	74	71	72	91	3	14	29.56	30.02	04	BKN	007			10.00	73	70	71	90	5	23	29.65	30.11								
07	OVC	003			0.50 BR	76	74	75	94	7	22	29.59	30.05	07	OVC	005			6.00 BR	76	73	74	91	5	25	29.67	30.13								
10	BKN	025			4.00 HZ	87	74	78	65	5	VR	29.58	30.03	10	OVC	200			10.00	84	74	77	72	7	25	29.69	30.14								
13	SCT	NC			9.00	96	70	78	43	13	21	29.54	29.99	13	BKN	180			10.00	90	72	77	56	10	22	29.68	30.13								
16	BKN	150			10.00	86	73	77	65	8	23	29.48	29.93	16	OVC	130			10.00	84	71	75	65	8	23	29.64	30.10								
19	BKN	250			8.00	85	75	78	72	7	24	29.48	29.94	19	OVC	130			10.00	82	73	76	74	5	16	29.63	30.09								
22	BKN	200			10.00	78	68	71	71	5	26	29.50	29.96	22	OVC	130			10.00	79	73	75	82	5	18	29.64	30.09								
SUNRISE: 0505						JUL 06						SUNSET: 1935						SUNRISE: 0509						JUL 12						SUNSET: 1933					
01	CLR	NC			7.00	72	69	70	91	3	26	29.48	29.93	01	BKN	130			10.00	78	74	75	87	7	20	29.62	30.07								
04	CLR	NC			6.00 BR	71	69	70	94	0	00	29.45	29.91	04	OVC	007			9.00	77	74	75	90	10	23	29.62	30.07								
07	SCT	NC			8.00	78	69	72	74	0	00	29.47	29.92	07	BKN	150			6.00 BR	77	74	75	90	8	23	29.64	30.10								
10	SCT	NC			10.00	87	66	73	50	6	02	29.51	29.96	10	OVC	018			8.00	82	74	76	77	7	25	29.65	30.11								
13	BKN	180			10.00	95	67	76	40	9	25	29.50	29.95	13	BKN	250			10.00	92	75	80	58	12	25	29.60	30.06								
16	OVC	200			10.00	90	68	75	49	10	25	29.48	29.93	16	SCT	NC			10.00	92	70	77	49	16	24	29.55	30.01								
19	OVC	150			6.00 HZ	81	74	76	79	3	28	29.49	29.95	19	SCT	NC			10.00	87	70	75	57	7	24	29.54	29.99								
22	OVC	150			6.00 BR	76	73	74	91	0	00	29.52	29.97	22	CLR	NC			9.00	80	71	74	74	3	25	29.57	30.03								

## OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JULY 2005

RDU

WBAN # 13722

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
			OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION				SEA LEVEL	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
01	BKN	250			SUNRISE: 0509	JUL 13			SUNSET: 1933				29.54	30.00	01	OVC	200			SUNRISE: 0513	JUL 19			SUNSET: 1930					
04	BKN	250					78	72	74	82	3	24	29.54	30.00	04	SCT	NC		BR			76	72	73	88	6	22	29.59	30.04
07	BKN	100					76	72	73	88	3	19	29.52	29.98	07	FEW	NC					74	72	73	94	8	22	29.59	30.04
10	BKN	150					80	72	75	76	10	23	29.54	29.99	10	SCT	NC					77	72	74	85	6	23	29.62	30.08
13	BKN	250					88	73	77	61	12	24	29.54	29.99	13	BKN	250					89	75	79	63	7	VR	29.62	30.07
16	OVC	150					89	71	76	55	12	25	29.49	29.94	16	SCT	NC					95	71	78	46	9	24	29.58	30.03
19	OVC	090					87	70	75	57	12	23	29.46	29.91	19	BKN	250					96	73	79	48	10	23	29.52	29.98
22	OVC	130					76	70	72	82	20	22	29.51	29.97	22	OVC	016		+TSRA BR			89	73	78	59	7	23	29.54	30.00

## RALEIGH/DURHAM, NC

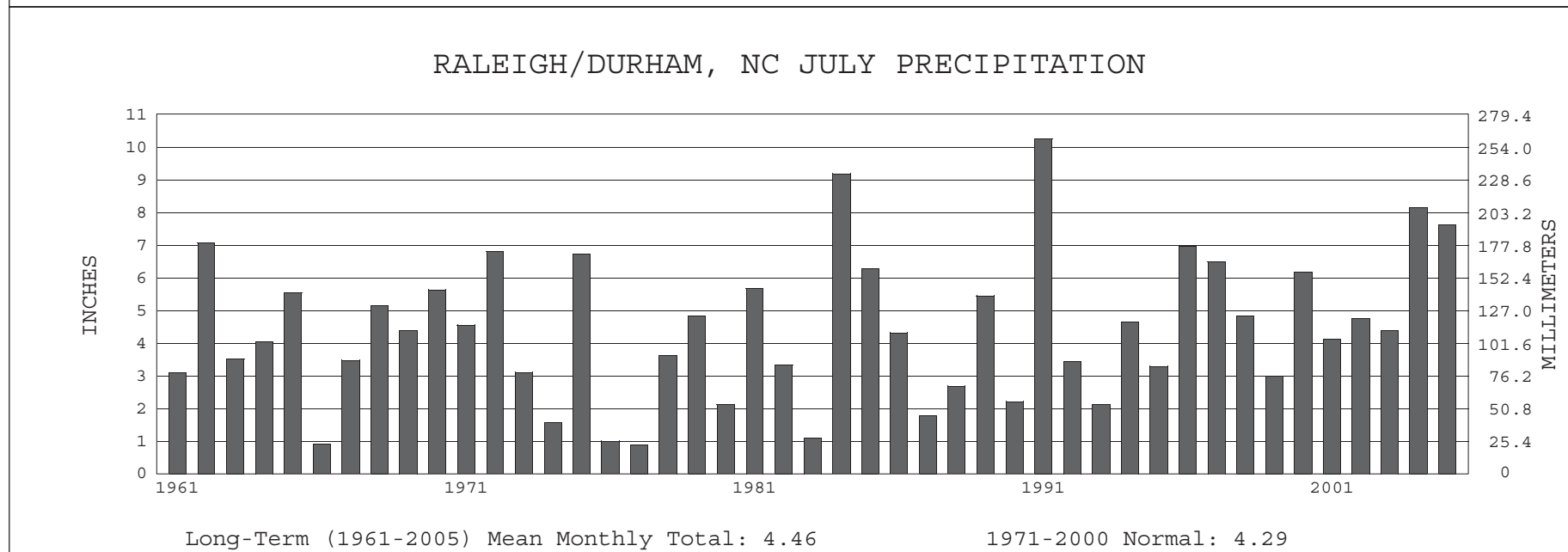
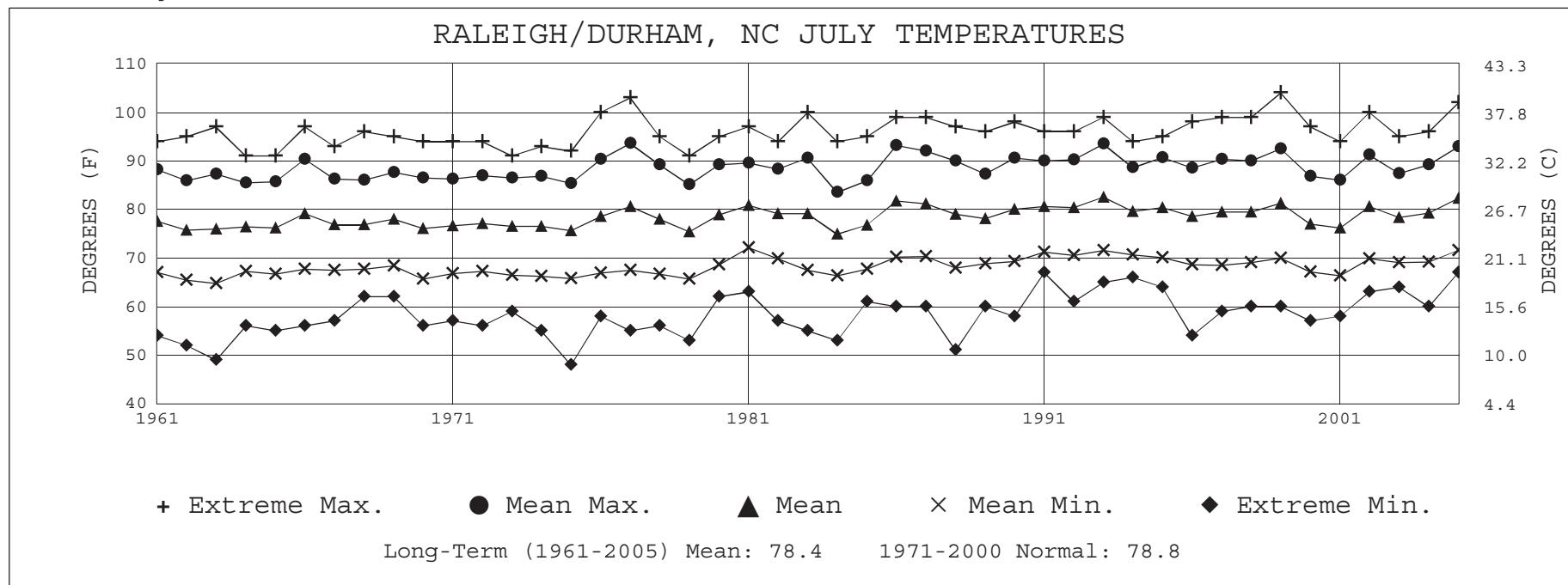
JULY 2005

RDU

WBAN # 13722

HOUR (LST)	SKY COVER		CEILING 100'S OFF	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OFF	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas					VISIBILITY (MILES)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL							
01	CLR	NC			7.00		71	67	68	87	0	00	29.58	30.04	01	OVC	025			4.00	-RA	BR	74	72	73	94	0	00	29.69	30.15	
04	BKN	090			6.00	HZ	73	68	70	84	7	15	29.58	30.04	04	OVC	045			6.00	-RA	BR	73	71	72	94	0	00	29.69	30.14	
07	SCT	NC			6.00	HZ	76	68	71	77	8	22	29.58	30.03	07	OVC	004			3.00	-RA	BR	73	71	72	94	6	03	29.71	30.17	
10	BKN	250			6.00	HZ	86	72	76	63	7	26	29.55	30.01	10	OVC	010			8.00			74	71	72	91	7	05	29.73	30.19	
13	SCT	NC			7.00		94	73	79	51	10	26	29.51	29.96	13	OVC	012			10.00	-RA		79	72	74	79	6	06	29.69	30.15	
16	FEW	NC			7.00		96	74	80	49	9	22	29.45	29.91	16	OVC	080			4.00	-RA	BR	75	71	72	88	9	08	29.67	30.13	
19	SCT	NC			6.00	HZ	91	74	79	57	6	23	29.45	29.91	19	BKN	085			10.00			71	69	70	94	3	03	29.67	30.13	
22	SCT	NC			6.00	HZ	83	75	77	77	6	24	29.48	29.93	22	BKN	150			6.00	BR		71	69	70	94	3	04	29.68	30.14	
3-HOURLY OBSERVATION NOTES																															
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visiblity = 8/8.																															
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
NC= No ceiling detected.																															
& = Original observation contained additional weather elements.																															
See page 3 for additional notes.																															
SUMMARY BY HOUR																															
HOUR (LST)	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH)																				
							STATION	SEA LEVEL			SPEED	DIRECTION																			
01			75	71	72	87	29.55	30.01	7.61	4	3	21																			
02			74	71	72	89	29.55	30.00	6.97	4	2	22																			
03			74	71	72	89	29.54	30.00	6.77	4	2	22																			
04			74	70	72	90	29.54	30.00	6.23	3	2	22																			
05			73	70	71	92	29.55	30.01	5.97	3	2	20																			
06			73	71	72	91	29.56	30.02	4.69	3	1	24																			
07			76	71	73	86	29.58	30.03	5.56	5	2	22																			
08			79	72	74	79	29.59	30.04	6.76	5	2	22																			
09			82	71	75	72	29.59	30.05	7.60	5	1	23																			
10			84	71	75	65	29.59	30.05	8.58	5	1	26																			
11			87	70	75	60	29.59	30.05	8.65	5	2	27																			
12			88	70	75	56	29.58	30.04	8.77	6	3	24																			
13			90	70	76	53	29.57	30.02	9.03	6	3	24																			
14			91	69	76	51	29.55	30.01	9.06	6	4	23																			
15			91	69	76	49	29.54	29.99	9.10	7	4	22																			
16			90	69	76	51	29.53	29.98	8.87	8	4	21																			
17			88	70	75	57	29.52	29.98	8.29	8	3	20																			
18			86	70	75	62	29.52	29.98	8.32	8	3	21																			
19			83	71	75	67	29.53	29.99	8.35	6	3	20																			
20			81	71	74	73	29.54	30.00	8.39	4	2	20																			
21			79	71	74	78	29.56	30.02	8.24	6	2	23																			
22			77	71	73	80	29.57	30.03	8.10	5	3	20																			
23			76	71	73	83	29.57	30.03	7.97	4	2	22																			
24			75	71	72	86	29.57	30.03	7.61	3	3	22																			







JULY 2005

RALEIGH/DURHAM, NC

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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