



AUGUST 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	87	70	79	0	69	72	0	14	RA BR	0		0.0	0.01	29.65	30.11	4.4	04	5.4	15	04	13	05	01					
02	91	67	79	0	69	72	0	14	MIFG BR	0		0.0	0.00	29.60	30.06	0.6	07	2.1	13	35	10	03	02					
03	94	69	82	3	70	74	0	17	TS MIFG BR HZ	0		0.0	0.00	29.55	30.01	0.3	29	2.7	14	04	12	05	03					
04	95	70	83	4	70	74	0	18	MIFG BR HZ	0		0.0	0.00	29.61	30.07	0.6	06	2.0	12	28	9	28	04					
05	93	72	83	4	70	74	0	18	TS BR HZ	0		0.0	0.00	29.65	30.11	4.3	19	5.4	16	14	13	15	05					
06	93	70	82	4	69	73	0	17	BR HZ	0		0.0	0.00	29.66	30.12	4.9	21	5.4	23	18	20	21	06					
07	90	69	80	2	69	72	0	15	RA BR	0		0.0	0.10	29.67	30.13	2.6	13	3.8	33	17	28	17	07					
08	86	69	78	0	68	71	0	13	BR	0		0.0	0.00	29.66	30.12	4.4	12	5.4	25	13	21	13	08					
09	85	71	78	0	71	73	0	13	TS TSRA RA FG BR	0		0.0	2.03	29.60	30.06	2.4	12	4.4	15	10	12	09	09					
10	89	71	80	2	72	74	0	15	TSRA RA BR	0		0.0	0.48	29.56	30.02	0.4	16	1.3	13	02	12	02	10					
11	92	72	82	4	74	76	0	17	TSRA RA FG+ MIFG BR HZ	0		0.0	0.08	29.56	30.01	1.2	21	1.8	15	04	14	05	11					
12	95	72	84	6	72	75	0	19	BR HZ	0		0.0	0.00	29.56	30.02	2.6	20	3.3	16	19	14	18	12					
13	92	72	82	4	74	76	0	17	TS RA BR HZ	0		0.0	0.15	29.52	29.97	2.3	20	3.5	20	31	14	31	13					
14	92	74	83	5	74	76	0	18	TSRA RA BR HZ	0		0.0	0.45	29.52	29.98	2.6	19	3.9	25	15	20	15	14					
15	95	72	84	7	73	76	0	19	BR HZ	0		0.0	0.00	29.58	30.04	1.1	03	2.1	12	13	9	02	15					
16	95	74	85	8	73	76	0	20	TS TSRA RA BR HZ	0		0.0	0.15	29.56	30.02	1.0	30	3.8	24	01	18	36	16					
17	82	71	77	0	71	72	0	12	TS TSRA RA BR HZ	0		0.0	0.10	29.54	30.00	3.5	04	4.1	17	03	15	06	17					
18	81	68	75	-2	68	71	0	10	RA BR	0		0.0	T	29.57	30.04	3.0	07	3.8	13	14	10	04	18					
19	91	74	83	6	74	76	0	18	BR HZ	0		0.0	0.00	29.56	30.01	2.8	23	3.9	17	24	13	24	19					
20	97*	75	86*	9	75	77	0	21	BR HZ	0		0.0	0.00	29.55	30.01	2.2	26	3.7	18	27	16	22	20					
21	95	70	83	6	72	76	0	18	BR	0		0.0	0.00	29.48	29.93	1.4	30	3.2	14	35	12	34	21					
22	94	68	81	4	66	71	0	16	BR	0		0.0	0.00	29.46	29.92	1.1	30	2.7	13	24	10	25	22					
23	82	71	77	1	69	71	0	12	RA BR HZ	0		0.0	0.20	29.50	29.96	5.1	05	5.5	24	23	20	23	23					
24	85	71	78	2	68	71	0	13	BR HZ	0		0.0	0.00	29.61	30.06	6.2	05	6.8	16	05	14	04	24					
25	84	65	75	-1	61	66	0	10	MIFG BR	0		0.0	0.00	29.73	30.19	5.4	08	5.9	20	09	16	08	25					
26	86	59*	73*	-3	60	65	0	8		0		0.0	0.00	29.62	30.08	3.1	13	4.9	15	15	12	23	26					
27	87	67	77	1	66	70	0	12		0		0.0	0.00	29.49	29.95	3.3	13	4.1	15	15	10	18	27					
28	91	69	80	4	69	72	0	15	HZ	0		0.0	0.00	29.47	29.93	2.1	05	3.3	15	03	12	05	28					
29	92	71	82	7	71	74	0	17	FG BR	0		0.0	0.00	29.47	29.93	3.8	10	4.8	17	10	13	11	29					
30	92	76	84	9	74	77	0	19	RA FG BR	0		0.0	0.15	29.36	29.81	8.5	17	9.8	44*	18	29*	18	30					
31	91	70	81	6	68	73	0	16		0		0.0	0.00	29.31	29.76	9.4	24	10.7	25	24	20	24	31					
90.1		70.3	80.2	■ ■	70.0	73.1	0.0	15.5	< MONTHLY AVERAGES	TOTALS->		0.0	3.90	29.56	30.01	0.6	14	4.3	<- MONTHLY AVERAGES									
2.9		3.1	3.0	■ ■	<-----DEPARTURE FROM NORMAL----->						0.12	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.03 DATE :09					SEA LEVEL PRESSURE DATE TIME														
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE :					MAXIMUM														
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM														
HEATING: 0 -1 0 -1									NUMBER OF DAYS WITH ➡					MAXIMUM TEMP ≥ 90: 20					MINIMUM TEMP ≤ 32 : 0					PRECIPITATION ≥ 0.01 INCH : 11				
COOLING: 481 102 1485 217														MAXIMUM TEMP ≤ 32 : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 9				
																			HEAVY FOG : 1					SNOWFALL ≥ 1.0 INCH : 0				

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

AUGUST 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		0.01	0.01		
02													02													0.00					
03													03													0.00					
04													04													0.00					
05													05													0.00					
06													06															06	0.00		
07													07															0.10			
08													08															T			
09													09																		
10													10																		
11					0.01	T		0.15	0.23	1.57	0.06		11			0.01	T													11	2.03
12													12																	0.48	
13													13																		
14													14																		
15													15																		
16	0.08	0.02											16																	16	0.08
17													17																	0.04	
18													18																	0.09	
19													19																	0.02	
20													20																		
21													21																	21	0.15
22													22																	0.10	
23													23																	0.15	
24													24																	0.37	
25													25																		
26				0.14	0.06								26																	26	0.45
27													27																	0.00	
28													28																	0.15	
29													29																		
30													30																		
31													31																	31	0.00
02													02																	0.00	
03													03																	0.00	
04													04																	0.00	
05													05																	0.00	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.28	.51	.64	.89	1.14	1.53	1.67	1.81	1.85	1.85	2.01	2.01
Ending Date	09	09	09	09	09	09	09	09	09	09	09	09
Ending Time (Hour/Min)	0909	0910	0915	0909	0918	0933	0946	1003	1006	1006	1006	1006

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
AUGUST 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).

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							2.00	10.00	
02							.75	10.00	
03							3.00	8.00	
04							3.00	8.00	
05							3.00	8.00	
06							3.00	10.00	
07							6.00	10.00	
08							4.00	10.00	
09							1.00	10.00	
10							1.75	10.00	
11							.75	7.00	
12							1.50	9.00	
13							4.00	7.00	
14							3.00	7.00	
15							4.00	8.00	
16							5.00	10.00	
17							2.00	10.00	
18							3.00	10.00	
19							4.00	8.00	
20							3.00	10.00	
21							5.00	10.00	
22							6.00	10.00	
23							4.00	10.00	
24							3.00	8.00	
25							3.00	10.00	
26							8.00	10.00	
27							10.00	10.00	
28							6.00	10.00	
29							.50	10.00	
30							4.00	10.00	
31							8.00	10.00	
MONTHLY AVGS							3.72	9.26	

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 17 3

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

AUGUST 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: 0523 AUG 01						SUNSET: 1920						SUNRISE: 0528 AUG 07						SUNSET: 1915											
01	OVC	002			2.00	BR	70	69	69	97	5	03	29.67	30.14	01	FEW	NC			9.00	71	68	69	90	0	00	29.68	30.14	
04	OVC	005			2.00	BR	71	70	70	96	6	01	29.65	30.11	04	BKN	250			8.00	70	68	69	93	0	00	29.67	30.12	
07	BKN	008			3.00	BR	71	69	70	94	6	03	29.69	30.15	07	BKN	020		BR	6.00	74	71	72	91	0	00	29.70	30.16	
10	BKN	018			7.00		78	70	73	76	8	05	29.69	30.15	10	BKN	130			8.00	81	72	75	74	5	09	29.73	30.18	
13	SCT	NC			10.00		84	69	74	61	10	06	29.67	30.13	13	BKN	150			10.00	87	68	74	53	8	18	29.69	30.14	
16	SCT	NC			10.00		87	66	73	50	5	VR	29.62	30.08	16	BKN	150			10.00	89	66	74	47	12	11	29.63	30.09	
19	FEW	NC			10.00		81	68	72	65	3	02	29.62	30.07	19	SCT	NC			8.00	74	70	71	88	5	05	29.64	30.10	
22	BKN	040			10.00		77	71	73	82	3	11	29.64	30.10	22	BKN	250			10.00	75	68	70	79	5	12	29.68	30.14	
SUNRISE: 0524 AUG 02						SUNSET: 1919						SUNRISE: 0528 AUG 08						SUNSET: 1913											
01	CLR	NC			5.00	BR	71	69	70	94	0	00	29.63	30.09	01	BKN	150			6.00	70	69	69	97	0	00	29.67	30.13	
04	CLR	NC			4.00	BR MIFG	69	68	68	96	0	00	29.61	30.06	04	SCT	NC			5.00	70	68	69	93	0	00	29.66	30.11	
07	BKN	200			7.00		72	70	71	94	0	00	29.64	30.10	07	BKN	250		BR	6.00	74	70	71	88	6	09	29.69	30.15	
10	SCT	NC			10.00		83	71	75	67	6	02	29.65	30.11	10	BKN	150			10.00	82	66	71	58	5	12	29.69	30.14	
13	SCT	NC			9.00		88	67	74	50	0	00	29.60	30.06	13	OVC	040			10.00	85	67	73	55	12	10	29.65	30.11	
16	SCT	NC			9.00		90	67	74	47	3	34	29.56	30.01	16	OVC	048			10.00	81	66	71	61	6	VR	29.64	30.09	
19	CLR	NC			8.00		85	69	74	59	5	11	29.54	30.00	19	BKN	075			10.00	79	69	72	72	5	VR	29.63	30.08	
22	CLR	NC			7.00		75	70	72	84	0	00	29.57	30.03	22	BKN	065			10.00	76	69	71	79	6	12	29.65	30.11	
SUNRISE: 0524 AUG 03						SUNSET: 1918						SUNRISE: 0529 AUG 09						SUNSET: 1912											
01	CLR	NC			6.00	BR	73	69	70	87	0	00	29.56	30.02	01	BKN	100			10.00	74	69	71	85	3	11	29.64	30.10	
04	CLR	NC			4.00	BR	70	68	69	93	0	00	29.54	29.99	04	OVC	100			10.00	73	70	71	90	0	00	29.61	30.07	
07	CLR	NC			4.00	BR	74	71	72	91	0	00	29.56	30.02	07	OVC	045			9.00	74	72	73	94	6	11	29.62	30.08	
10	CLR	NC			5.00	HZ	88	71	76	57	9	05	29.58	30.03	10	OVC	012		+TSRA	1.25	72	70	71	94	3	01	29.63	30.10	
13	SCT	NC			8.00		93	68	76	44	7	VR	29.55	30.01	13	BKN	018			10.00	82	72	75	72	6	36	29.59	30.05	
16	BKN	100			7.00		86	72	76	63	9	23	29.52	29.98	16	BKN	150		-RA	7.00	79	73	75	82	7	17	29.57	30.02	
19	SCT	NC			6.00	HZ	83	73	76	72	5	26	29.53	29.99	19	BKN	200			10.00	77	72	74	85	6	17	29.57	30.03	
22	CLR	NC			5.00	BR	75	72	73	90	0	00	29.57	30.03	22	SCT	NC			10.00	74	71	72	91	0	00	29.60	30.06	
SUNRISE: 0525 AUG 04						SUNSET: 1917						SUNRISE: 0530 AUG 10						SUNSET: 1911											
01	CLR	NC			3.00	BR	73	71	72	94	0	00	29.56	30.02	01	BKN	100			5.00	72	70	71	94	0	00	29.58	30.04	
04	CLR	NC			4.00	BR MIFG	72	70	71	94	0	00	29.58	30.03	04	OVC	012			8.00	73	71	72	94	0	00	29.57	30.03	
07	CLR	NC			5.00	BR	74	71	72	91	0	00	29.63	30.09	07	OVC	012			9.00	74	72	73	94	3	07	29.59	30.04	
10	CLR	NC			7.00		88	70	76	55	5	06	29.64	30.10	10	OVC	025			9.00	80	71	74	74	0	00	29.59	30.05	
13	SCT	NC			8.00		93	67	75	42	3	VR	29.63	30.08	13	BKN	250			10.00	85	71	75	63	0	00	29.56	30.02	
16	BKN	250			8.00		89	68	75	50	3	07	29.59	30.05	16	BKN	039		TSRA	1.75	78	74	75	87	5	22	29.54	30.00	
19	SCT	NC			6.00	HZ	84	71	75	65	0	00	29.59	30.04	19	BKN	250			7.00	79	76	77	90	0	00	29.53	29.98	
22	CLR	NC			6.00	HZ	79	72	74	79	3	12	29.63	30.09	22	SCT	NC			7.00	75	73	74	94	0	00	29.56	30.02	
SUNRISE: 0526 AUG 05						SUNSET: 1917						SUNRISE: 0531 AUG 11						SUNSET: 1910											
01	CLR	NC			5.00	HZ	77	72	74	85	3	13	29.64	30.10	01	CLR	NC			5.00	73	72	72	96	0	00	29.54	30.00	
04	CLR	NC			4.00	BR	73	70	71	90	3	23	29.65	30.11	04	CLR	NC		BR MIFG	4.00	73	71	72	94	0	00	29.54	30.00	
07	CLR	NC			3.00	BR	75	71	72	88	3	24	29.67	30.13	07	FEW	NC			0.75	74	73	73	97	0	00	29.57	30.03	
10	CLR	NC			5.00	HZ	87	72	77	61	5	VR	29.69	30.14	10	SCT	NC			6.00	86	75	78	70	3	17	29.58	30.04	
13	BKN	250			5.00	TS HZ	86	71	76	61	12	13	29.66	30.12	13	SCT	NC			6.00	90	72	77	56	5	22	29.56	30.01	
16	SCT	NC			6.00	HZ	92	67	75	44	6	17	29.60	30.06	16	SCT	NC			6.00	91	73	78	56	5	13	29.53	29.98	
19	SCT	NC			6.00	HZ	86	70	75	59	10	19	29.61	30.07	19	CLR	NC			6.00	83	77	79	82	0	00	29.53	29.99	
22	CLR	NC			6.00	HZ	80	71	74	74	8	20	29.66	30.12	22	CLR	NC			6.00	78	74	75	87	0	00	29.57	30.02	
SUNRISE: 0527 AUG 06						SUNSET: 1916						SUNRISE: 0532 AUG 12						SUNSET: 1909											
01	CLR	NC			5.00	HZ	78	71	73	79	6	20	29.66	30.11	01	CLR	NC			4.00	74	72	73	94	0	00	29.58	30.03	
04	CLR	NC			4.00	BR	73	70	71	90	5	23	29.64	30.10	04	CLR	NC			3.00	73	71	72	94	0	00	29.56	30.01	
07	FEW	NC			3.00	BR	75	72	73	90	0	00	29.69	30.14	07	CLR	NC			2.50	76	74	75	94	5	20	29.60	30.05	
10	SCT	NC			8.00		85	71	75	63	7	18	29.69	30.15	10	FEW	NC			5.00	87	74	78	65	3	25	29.60	30.06	
13	BKN	250			8.00		89	69	75	52	8	18	29.66	30.12	13	SCT	NC			6.00	92	69	76	47	0	00	29.57	30.03	
16	BKN	200			10.00		88	69	75	54	16	20	29.63	30.09	16	FEW	NC			7.00	94	67	75	41	6	VR	29.52	29.98	
19	BKN	250			10.00		80	64	70	58	7	24	29.63	30.09	19	FEW	NC			6.00	87	72	77	61	0	00	29.51	29.96	
22	SCT	NC			10.00																								

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

AUGUST 2005

RDU

WBAN # 13722

HOUR (LST)			SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		
			OBSERVATION TIME (LST)	EFF CLD AMT Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
			SUNRISE: 0532				AUG 13		SUNSET: 1908									SUNRISE: 0537				AUG 19		SUNSET: 1860						
01	CLR	NC			7.00		75	72	73	90	5	24	29.56	30.01	01	OVC	017			8.00			76	71	73	85	6	16	29.57	30.02
04	CLR	NC			5.00	BR	74	72	73	94	3	14	29.52	29.97	04	OVC	045			5.00	BR		74	72	73	94	5	17	29.54	30.00
07	SCT	NC			5.00	BR	76	73	74	91	0	00	29.54	30.00	07	OVC	015			5.00	BR		76	73	74	91	5	24	29.58	30.04
10	SCT	NC			7.00		85	73	77	68	6	21	29.56	30.02	10	BKN	015			6.00	HZ		83	75	77	77	7	VR	29.60	30.06
13	SCT	NC			7.00		91	72	78	54	0	00	29.52	29.98	13	BKN	180			7.00			87	75	78	67	8	25	29.56	30.01
16	OVC	040			6.00	TS HZ	79	73	75	82	10	32	29.49	29.95	16	BKN	065			8.00			89	75	79	63	3	26	29.51	29.97
19	BKN	200			7.00		80	77	78	90	3	25	29.48	29.94	19	BKN	250			6.00	HZ		83	75	77	77	0	00	29.53	29.99
22	BKN	200			7.00		78	76	77	93	3	25	29.51	29.97	22	CLR	NC			6.00	BR		79	75	76	88	0	00	29.56	30.02
			SUNRISE: 0533				AUG 14		SUNSET: 1907									SUNRISE: 0538				AUG 20		SUNSET: 1858						
01	BKN	200			7.00		76	74	75	94	5	16	29.49	29.94	01	CLR	NC			7.00			76	74	75	94	0	00	29.54	30.00
04	BKN	200			5.00	BR	75	73	74	94	3	12	29.51	29.96	04	SCT	NC			5.00	BR		76	75	75	97	3	24	29.55	30.00
07	FEW	NC			3.00	BR	76	74	75	94	0	00	29.53	29.99	07	CLR	NC			4.00	BR		79	76	77	90	0	00	29.57	30.03
10	SCT	NC			6.00	HZ	86	77	80	75	7	25	29.54	29.99	10	SCT	NC			8.00			90	76	80	63	6	32	29.60	30.05
13	BKN	250			7.00		92	73	78	54	0	00	29.52	29.97	13	SCT	NC			10.00			95	73	79	49	8	03	29.56	30.01
16	BKN	250			7.00		89	74	78	61	8	20	29.51	29.97	16	BKN	090			8.00			86	75	78	70	10	23	29.54	30.00
19	OVC	200			6.00	BR	80	76	77	87	0	00	29.51	29.97	19	BKN	130			7.00			82	75	77	79	5	25	29.52	29.98
22	BKN	200			6.00	BR	76	73	74	91	5	25	29.55	30.01	22	SCT	NC			6.00	BR		78	75	76	90	0	00	29.54	29.99
			SUNRISE: 0534				AUG 15		SUNSET: 1906									SUNRISE: 0539				AUG 21		SUNSET: 1857						
01	CLR	NC			6.00	BR	74	72	73	94	0	00	29.55	30.01	01	FEW	NC			7.00			78	75	76	90	0	00	29.51	29.97
04	CLR	NC			6.00	BR	74	72	73	94	0	00	29.54	30.00	04	FEW	NC			6.00	BR		76	74	75	94	3	23	29.49	29.95
07	FEW	NC			5.00	BR	75	73	74	94	0	00	29.59	30.04	07	FEW	NC			7.00			78	75	76	90	3	23	29.49	29.95
10	SCT	NC			7.00		86	73	77	65	0	00	29.62	30.08	10	FEW	NC			9.00			91	75	79	59	6	VR	29.51	29.97
13	SCT	NC			8.00		93	73	79	52	3	VR	29.60	30.05	13	SCT	NC			10.00			94	72	78	49	7	36	29.49	29.95
16	SCT	NC			8.00		94	71	78	48	5	03	29.56	30.01	16	SCT	NC			10.00			95	72	79	47	6	VR	29.44	29.90
19	FEW	NC			7.00		85	75	78	72	0	00	29.57	30.03	19	BKN	250			10.00			87	68	74	53	3	33	29.44	29.90
22	CLR	NC			6.00	HZ	80	75	77	85	0	00	29.61	30.06	22	CLR	NC			9.00			75	69	71	82	0	00	29.45	29.90
			SUNRISE: 0535				AUG 16		SUNSET: 1904									SUNRISE: 0539				AUG 22		SUNSET: 1856						
01	CLR	NC			6.00	HZ	79	73	75	82	6	02	29.60	30.05	01	FEW	NC			9.00			72	67	69	84	0	00	29.46	29.91
04	CLR	NC			6.00	BR	75	72	73	90	5	36	29.59	30.04	04	FEW	NC			6.00	BR		69	67	68	93	0	00	29.46	29.91
07	CLR	NC			8.00		76	72	73	88	6	03	29.61	30.07	07	FEW	NC			10.00			74	65	68	74	5	34	29.46	29.91
10	CLR	NC			7.00		86	74	77	67	6	34	29.62	30.08	10	SCT	NC			10.00			85	67	73	55	5	VR	29.50	29.96
13	FEW	NC			7.00		93	74	79	54	3	25	29.57	30.03	13	SCT	NC			10.00			92	61	72	36	5	36	29.48	29.93
16	SCT	NC			7.00		92	73	78	54	8	25	29.50	29.95	16	SCT	NC			10.00			92	64	73	40	7	25	29.42	29.88
19	SCT	NC			5.00	HZ	86	75	78	70	0	00	29.50	29.96	19	BKN	150			10.00			82	67	72	60	0	00	29.43	29.89
22	OVC	044			7.00	-TSRA	75	71	72	88	0	00	29.59	30.05	22	BKN	130			10.00			76	66	69	72	0	00	29.44	29.90
			SUNRISE: 0535				AUG 17		SUNSET: 1903									SUNRISE: 0540				AUG 23		SUNSET: 1854						
01	OVC	025			2.50	TSRA BR	74	72	73	94	0	00	29.56	30.02	01	OVC	060			10.00			76	68	71	77	0	00	29.47	29.93
04	OVC	004			5.00	BR	74	72	73	94	0	00	29.50	29.95	04	OVC	015			4.00	RA BR		71	69	70	94	5	07	29.48	29.94
07	BKN	004			2.50	BR	74	72	73	94	5	VR	29.53	29.98	07	BKN	200			5.00	BR		72	69	70	91	3	03	29.50	29.96
10	OVC	014			5.00	HZ	77	71	73	82	7	01	29.55	30.01	10	BKN	150			8.00			78	70	73	76	6	03	29.52	29.98
13	OVC	028			10.00		80	71	74	74	9	03	29.56	30.02	13	OVC	055			9.00			82	71	75	69	6	06	29.51	29.96
16	OVC	085			6.00	HZ	79	69	72	72	9	05	29.53	29.98	16	BKN	060			8.00			80	70	73	71	9	01	29.49	29.94
19	OVC	080			6.00	HZ	77	69	72	77	5	03	29.54	30.00	19	OVC	130			6.00	HZ		75	69	71	82	7	04	29.50	29.96
22	CLR	NC			6.00	BR	72	69	70	91	3	05	29.57	30.03	22	OVC	055			9.00			74	67	69	79	5	07	29.53	29.99
			SUNRISE: 0536				AUG 18		SUNSET: 1902									SUNRISE: 0541				AUG 24		SUNSET: 1853						
01	BKN	150			4.00	BR	71	70	70	96	0	00	29.58	30.04	01	OVC	020			7.00			73	68	70	84	5	02	29.53	29.98
04	BKN	150			3.00	BR	70	68	69	93	0	00	29.56	30.02	04	BKN	110			5.00	BR		71	68	69	90	6	02	29.52	29.98
07	BKN	110			8.00		72	68	69	87	5	11	29.59	30.05	07	OVC	050			4.00	BR		72	68	69	87	5	02	29.58	30.04
10	OVC	110			10.00		77	66	70	69	5	10	29.61	30.07	10	BKN														

OBSERVATIONS AT 3-HOURLY INTERVALS

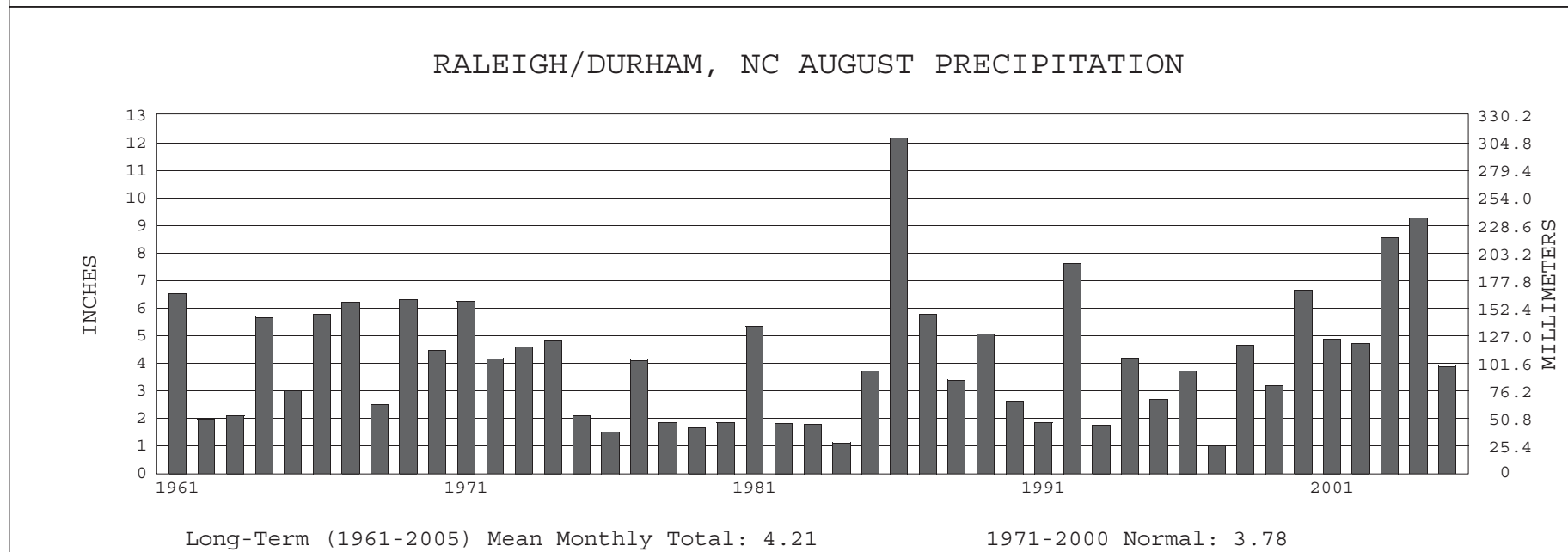
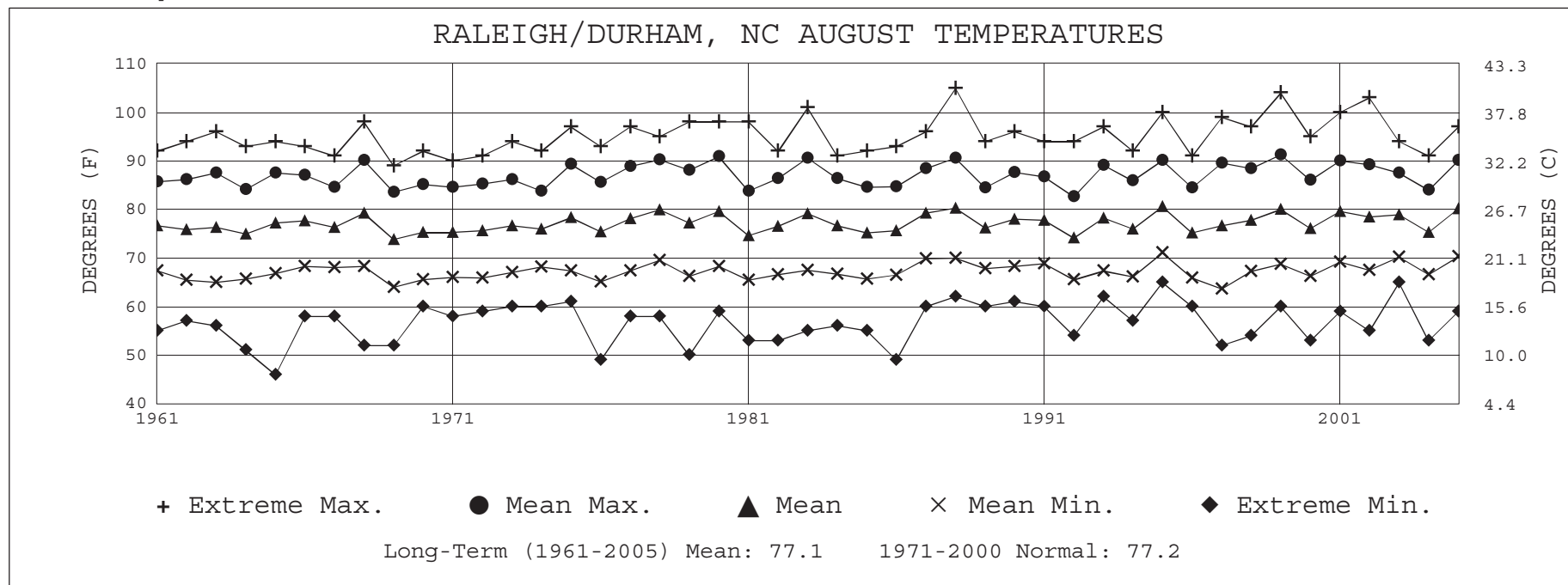
RALEIGH/DURHAM, NC

AUGUST 2005

RDU

WBAN # 13722

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
				DRY BULB	DEW POINT					WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL	DRY BULB	DEW POINT					WET BULB	SPEED (MPH)					DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0542									AUG 25			SUNSET: 1852					SUNRISE: 0546									AUG 31			SUNSET: 1844							
01	CLR	NC						8.00	BR	71	65	67	81	7	08	29.71	30.17	01	OVC	150						10.00		80	74	76	82	13	21	29.26	29.72	
04	CLR	NC						7.00		66	64	65	93	0	00	29.73	30.19	04	BKN	150						10.00		78	73	75	85	13	21	29.24	29.70	
07	CLR	NC						6.00		68	66	67	93	0	00	29.76	30.22	07	BKN	200						8.00		76	72	73	88	15	23	29.27	29.73	
10	FEW	NC						10.00		79	62	68	56	9	09	29.78	30.24	10	SCT	NC						10.00		84	70	74	63	15	23	29.30	29.75	
13	SCT	NC						10.00		83	61	69	48	8	07	29.76	30.22	13	BKN	040						10.00		86	67	73	53	16	25	29.29	29.74	
16	BKN	250						10.00	82	59	68	46	9	08	29.71	30.17	16	BKN	060						10.00		88	66	73	48	7	27	29.28	29.73		
19	SCT	NC						10.00	77	58	65	52	6	10	29.69	30.15	19	SCT	NC						10.00		83	63	70	51	8	30	29.34	29.80		
22	CLR	NC						10.00	67	60	63	79	5	10	29.72	30.18	22	CLR	NC						10.00		72	65	67	79	0	00	29.40	29.86		
SUNRISE: 0542									AUG 26			SUNSET: 1850					3-HOURLY OBSERVATION NOTES																			
01	CLR	NC						10.00	67	59	62	76	7	11	29.70	30.16																				
04	CLR	NC						10.00	61	59	60	93	0	00	29.69	30.15	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																			
07	BKN	200						10.00	64	61	62	90	0	00	29.69	30.15	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.																			
10	BKN	250						10.00	77	59	66	54	7	11	29.67	30.13	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																			
13	BKN	200						10.00	82	56	66	41	5	VR	29.63	30.09	NC= No ceiling detected.																			
16	BKN	250						10.00	83	58	67	43	8	18	29.56	30.02	& = Original observation contained additional weather elements.																			
19	BKN	250						10.00	79	61	68	54	5	15	29.55	30.01	See page 3 for additional notes.																			
22	BKN	130						10.00	75	62	67	64	7	13	29.55	30.01																				
SUNRISE: 0543									AUG 27			SUNSET: 1849					SUMMARY BY HOUR																			
01	OVC	035						10.00	73	62	66	69	7	12	29.53	29.99																				
04	BKN	100						10.00	71	64	67	79	3	12	29.50	29.96																				
07	BKN	065						10.00	70	66	67	87	0	00	29.52	29.98																				
10	BKN	120						10.00	82	68	73	63	8	10	29.53	29.98																				
13	BKN	120						10.00	85	66	72	53	0	00	29.49	29.95																				
16	BKN	070						10.00	87	67	73	51	3	15	29.46	29.91																				
19	SCT	NC						10.00	78	68	71	71	6	09	29.45	29.91																				
22	BKN	250						10.00	76	70	72	82	6	12	29.48	29.94																				
SUNRISE: 0544									AUG 28			SUNSET: 1848																								
01	BKN	250						10.00	72	69	70	91	0	00	29.47	29.92																				
04	FEW	NC						9.00	70	68	69	93	0	00	29.45	29.91																				
07	BKN	200						8.00	72	69	70	91	0	00	29.49	29.95																				
10	SCT	NC						10.00	83	70	74	65	3	VR	29.51	29.97																				
13	SCT	NC						10.00	89	67	74	48	8	04	29.48	29.93																				
16	SCT	NC						10.00	91	66	74	44	5	VR	29.44	29.89																				
19	SCT	NC						6.00	84	70	74	63	5	01	29.44	29.90																				
22	SCT	NC						7.00	76	70	72	82	3	09	29.49	29.95																				
SUNRISE: 0545									AUG 29			SUNSET: 1846																								
01	FEW	NC						10.00	76	71	73	85	3	11	29.49	29.95																				
04	CLR	NC						10.00	72	71	71	97	5	06	29.48	29.93																				
07	BKN	200						0.50	74	72	73	94	3	06	29.49	29.95																				
10	BKN	015						10.00	81	71	74	72	6	08	29.52	29.98																				
13	BKN	250						10.00	87	70	75	57	6	07	29.49	29.94																				
16	BKN	200						10.00	91	68	75	47	5	VR	29.43	29.88																				
19	BKN	050						10.00	82	73	76	74	0	00	29.43	29.88																				
22	BKN	130						10.00	81	72	75	74	10	14	29.46	29.92																				
SUNRISE: 0546									AUG 30			SUNSET: 1845																								
01	BKN	150						10.00	78	73	75	85	5	14	29.43	29.88																				
04	OVC	007						10.00	76	74	75	94	5	14	29.42	29.87																				
07	BKN	150						4.00	76	74	75	94	6	14	29.44	29.90																				
10	BKN	250						10.00	85	73	77	68	9	19	29.42	29.88																				
13	BKN	150						10.00	91	73	78	56	10	14	29.36	29.81																				
16	OVC	250						10.00	82	77	78	85	9	15	29.30	29.76																				
19	BKN	250						10.00	85	75	78	72	14	18	29.27	29.73																				
22	OVC	080						10.00	82	75	77	79	13	20	29.29	29.74																				





AUGUST 2005

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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