



APRIL 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	70	52	61	6	58	59	4	0	RA FG+ MIFG BR	0		0.0	0.03	29.46	29.92	1.1	10	2.5	14	15	10	16	01														
02	66	47	57	1	48	53	8	0	TSRA RA BR	0		0.0	0.39	29.00	29.46	12.4	23	15.1	39	25	30	27	02														
03	67	45	56	0	24	42	9	0		0		0.0	0.00	29.28	29.74	14.0	27	14.3	43	25	28	26	03														
04	75	41	58	2	36	48	7	0		0		0.0	0.00	29.53	30.00	6.3	26	7.0	28	23	18	24	04														
05	81	43	62	6	39	52	3	0		0		0.0	0.00	29.69	30.16	4.6	15	6.8	22	17	17	16	05														
06	82	52	67	10	47	57	0	2	BR HZ	0		0.0	0.00	29.70	30.17	8.9	21	9.9	25	22	22	24	06														
07	75	61	68	11	58	61	0	3	TS TSRA RA BR	0		0.0	0.01	29.49	29.95	9.5	19	10.8	33	18	23	18	07														
08	71	57	64	7	60	61	1	0	TS TSRA RA DZ FG BR	0		0.0	2.08	29.32	29.79	4.5	06	7.9	36	11	23	08	08														
09	69	43	56	-1	42	50	9	0	RA BR	0		0.0	0.02	29.52	29.99	9.6	04	10.1	29	06	22	06	09														
10	75	39	57	-1	39	48	8	0		0		0.0	0.00	29.60	30.07	2.3	04	3.9	18	03	12	04	10														
11	82	47	65	7	45	54	0	0		0		0.0	0.00	29.55	30.01	2.9	16	5.8	23	10	18	10	11														
12	58	46	52	-6	43	48	13	0	RA BR	0		0.0	0.27	29.48	29.95	7.7	09	8.7	21	09	17	08	12														
13	47	43	45*	-13	42	44	20	0	RA DZ FG BR	0		0.0	0.12	29.35	29.82	8.4	04	8.7	24	05	20	04	13														
14	65	40	53	-6	35	44	12	0		0		0.0	0.00	29.51	29.98	9.3	03	9.7	28	04	18	04	14														
15	61	43	52	-7	27	41	13	0		0		0.0	0.00	29.77	30.25	14.7	04	15.0	33	05	26	05	15														
16	64	39	52	-7	22	39	13	0		0		0.0	0.00	29.92	30.40	10.6	03	10.7	29	04	23	02	16														
17	72	35	54	-6	26	42	11	0		0		0.0	0.00	29.82	30.30	1.4	03	4.0	15	01	10	02	17														
18	82	44	63	3	40	51	2	0		0		0.0	0.00	29.68	30.15	1.2	28	2.7	17	24	12	04	18														
19	85	49	67	7	48	57	0	2	BR HZ	0		0.0	0.00	29.61	30.08	2.6	22	2.9	16	24	14	24	19														
20	86	54	70	10	49	58	0	5	HZ	0		0.0	0.00	29.52	29.98	6.2	24	7.2	23	23	20	24	20														
21	86*	54	70*	10	50	59	0	5	RA	0		0.0	T	29.43	29.89	2.8	25	8.0	23	24	17	02	21														
22	82	53	68	8	53	59	0	3	RA DZ	0		0.0	T	29.32	29.78	4.0	19	8.3	28	23	23	23	22														
23	76	45	61	0	48	54	4	0	RA DZ BR	0		0.0	0.04	29.06	29.52	10.2	24	12.3	37	23	30	23	23														
24	53	39	46	-16	28	39	19	0		0		0.0	0.00	29.14	29.61	9.9	28	10.7	29	27	21	28	24														
25	68	35*	52	-10	32	44	13	0		0		0.0	0.00	29.32	29.79	9.5	24	10.3	37	24	24	23	25														
26	63	51	57	-5	44	51	8	0	RA	0		0.0	T	29.38	29.85	8.1	19	8.5	23	21	18	19	26														
27	72	51	62	0	44	53	3	0	RA BR	0		0.0	T	29.35	29.81	6.6	28	7.8	33	25	22	24	27														
28	70	39	55	-7	38	48	10	0	RA	0		0.0	T	29.58	30.05	4.8	25	6.0	22	23	16	24	28														
29	72	52	62	-1	53	56	3	0	RA BR	0		0.0	0.16	29.52	29.99	3.2	20	4.8	17	15	14	14	29														
30	73	62	68	5	59	62	0	3	RA	0		0.0	0.01	29.39	29.85	13.2	21	13.6	43*	19	33*	19	30														
< MONTHLY AVERAGES										TOTALS-->			0.0	3.13	29.48	29.94	0.9	26	8.5	<-- MONTHLY AVERAGES																	
- .2										0.3		0.1				<-----DEPARTURE FROM NORMAL----->										0.33		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.10			DATE :08-09			SEA LEVEL PRESSURE				DATE TIME																		
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0			DATE :			MAXIMUM				: 30.45				16 0951														
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0			DATE :			MINIMUM				: 29.34				02 1351														
SEASON TO DATE									NUMBER OF DAYS WITH			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH : 10																			
HEATING: 193 -21 3087 -312									MAXIMUM TEMP ≤ 32: 0			MINIMUM TEMP ≤ 0: 0			PRECIPITATION ≥ 0.10 INCH : 5																						
COOLING: 23 -15 29 -19									THUNDERSTORMS : 3			HEAVY FOG : 1			SNOWFALL ≥ 1.0 INCH : 0																						

APRIL 2005
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

APRIL 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			T	0.03	T								01			0.03	
02			0.01	0.06	0.04	0.02	0.04	0.03	0.06	T			02		T	0.01	0.03	0.08	0.01							02			0.39	
03													03													03			0.00	
04													04													04			0.00	
05													05													05			0.00	
06													06													06			0.00	
07													07		T		0.01	T				T	T			07			0.01	
08							0.04	0.05	T	T			08	0.02	0.23	0.70	0.44	0.02	0.18	0.40	T	T		T		08			2.08	
09	T	0.01	T	0.01	T								09												T		09			0.02
10													10													10			0.00	
11													11													11			0.00	
12													12		T	T					T	T	0.24	0.01	0.02	12			0.27	
13	0.02	0.01		T	T	0.01	T	0.02	0.03	T			13	T	0.03	T	T				T					13			0.12	
14													14													14			0.00	
15													15													15			0.00	
16													16													16			0.00	
17													17													17			0.00	
18													18													18			0.00	
19													19													19			0.00	
20													20													20			0.00	
21													21													21			T	
22													22									T	T			22			T	
23	0.02	0.01							T	T			23				T	0.01								23			0.04	
24													24													24			0.00	
25													25													25			0.00	
26													26	T	T	T		T			T					26			T	
27													27					T								27			T	
28													28									T				28			T	
29						T	0.06	0.03			0.04	T	29	0.01		0.01										29			0.16	
30												0.02	30		T									T		30			0.01	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.22	.37	.43	.56	.64	.79	.81	1.09	1.25	1.33	1.37	1.39
Ending Date	08	08	08	08	08	08	08	08	08	08	08	08
Ending Time (Hour/Min)	1757	1757	1421	1422	1425	1425	1437	1518	1522	1517	1530	1530

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
APRIL 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							.13	10.00	
02							2.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							4.00	10.00	
07							6.00	10.00	
08							1.00	10.00	
09							3.00	10.00	
10							10.00	10.00	
11							9.00	10.00	
12							5.00	10.00	
13							.50	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							5.00	10.00	
20							5.00	10.00	
21							7.00	10.00	
22							7.00	10.00	
23							2.50	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							4.00	10.00	
28							10.00	10.00	
29							3.00	10.00	
30							8.00	10.00	
MONTHLY AVGS							6.67	10.00	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">1 7 17</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

APRIL 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: 0601						APR 01						SUNSET: 1837						SUNRISE: 0553						APR 07						SUNSET: 1842					
01	OVC	200			6.00	BR	58	56	57	93	0	00	29.55	30.02	01	BKN	150			10.00	65	53	58	66	10	20	29.65	30.11							
04	FEW	NC			1.25	BR MIFG	55	54	54	96	0	00	29.52	29.99	04	BKN	150			10.00	62	55	58	78	9	20	29.61	30.07							
07	VV	001			0.13	FG	55	54	54	96	0	00	29.55	30.02	07	OVC	150			10.00	63	57	60	81	9	19	29.60	30.06							
10	OVC	250			5.00	BR	60	58	59	93	0	00	29.56	30.03	10	OVC	035			10.00	71	59	64	66	18	20	29.58	30.04							
13	OVC	032			10.00		70	58	63	66	6	36	29.52	29.98	13	OVC	037			10.00	73	58	64	59	16	20	29.47	29.93							
16	OVC	036			4.00	-RA BR	64	61	62	90	7	11	29.44	29.91	16	OVC	029			6.00	-TSRA BR	66	61	63	84	8	26	29.41	29.87						
19	OVC	075			5.00	BR	64	61	62	90	0	00	29.36	29.83	19	OVC	110			10.00	68	60	63	76	8	20	29.36	29.83							
22	OVC	060			7.00		64	61	62	90	7	16	29.28	29.75	22	OVC	060			10.00	64	58	60	81	5	VR	29.37	29.83							
SUNRISE: 0560						APR 02						SUNSET: 1838						SUNRISE: 0552						APR 08						SUNSET: 1843					
01	OVC	011			6.00	BR	64	61	62	90	7	14	29.20	29.66	01	OVC	030			10.00	62	59	60	90	6	13	29.35	29.81							
04	BKN	020			10.00		66	62	64	87	16	18	29.06	29.52	04	OVC	045			10.00	61	59	60	93	6	14	29.29	29.75							
07	OVC	016			2.00	-RA BR	64	62	63	93	17	20	28.99	29.44	07	OVC	010			2.00	-RA BR	61	60	60	97	3	08	29.31	29.78						
10	BKN	038			10.00		60	57	58	90	18	22	28.94	29.39	10	BKN	014			7.00		65	62	63	90	5	09	29.32	29.79						
13	BKN	045			10.00		64	45	54	50	15	25	28.89	29.34	13	BKN	060			10.00	71	62	65	73	0	00	29.29	29.76							
16	OVC	033			10.00	-RA	49	46	47	90	9	24	28.93	29.39	16	BKN	036			8.00	-RA	64	62	63	93	5	34	29.27	29.73						
19	BKN	090			10.00		50	33	42	52	16	27	28.99	29.45	19	OVC	022			10.00	63	60	61	90	12	02	29.30	29.77							
22	BKN	065			10.00		47	30	40	52	13	27	29.05	29.51	22	OVC	012			8.00		61	57	59	87	13	03	29.39	29.85						
SUNRISE: 0559						APR 03						SUNSET: 1839						SUNRISE: 0550						APR 09						SUNSET: 1844					
01	BKN	110			10.00		46	29	39	51	13	26	29.10	29.57	01	OVC	007			7.00		56	54	55	93	15	04	29.42	29.88						
04	FEW	NC			10.00		46	29	39	51	15	27	29.14	29.61	04	OVC	008			7.00		54	51	52	90	12	03	29.44	29.91						
07	SCT	NC			10.00		47	24	38	41	13	27	29.24	29.71	07	BKN	060			10.00	52	44	48	75	9	02	29.51	29.98							
10	SCT	NC			10.00		56	27	43	33	17	28	29.30	29.77	10	FEW	NC			10.00	60	40	50	48	14	07	29.55	30.01							
13	FEW	NC			10.00		61	21	44	21	15	27	29.29	29.76	13	FEW	NC			10.00	66	39	52	37	10	01	29.54	30.01							
16	FEW	NC			10.00		66	18	46	16	23	28	29.27	29.74	16	FEW	NC			10.00	67	36	52	32	9	05	29.52	29.99							
19	FEW	NC			10.00		63	23	46	22	8	27	29.33	29.80	19	FEW	NC			10.00	60	36	49	41	6	07	29.55	30.02							
22	CLR	NC			10.00		57	25	43	29	6	25	29.40	29.87	22	CLR	NC			10.00	51	36	44	56	5	07	29.60	30.07							
SUNRISE: 0557						APR 04						SUNSET: 1840						SUNRISE: 0549						APR 10						SUNSET: 1845					
01	CLR	NC			10.00		54	29	43	38	8	27	29.45	29.92	01	CLR	NC			10.00	42	37	40	82	0	00	29.60	30.06							
04	CLR	NC			10.00		47	31	40	54	6	25	29.48	29.95	04	CLR	NC			10.00	42	37	40	82	0	00	29.60	30.07							
07	CLR	NC			10.00		47	35	42	63	6	24	29.55	30.02	07	CLR	NC			10.00	46	37	42	71	3	VR	29.64	30.11							
10	FEW	NC			10.00		65	33	50	31	10	28	29.58	30.05	10	CLR	NC			10.00	61	36	49	39	8	04	29.66	30.13							
13	SCT	NC			10.00		73	37	55	27	8	28	29.55	30.01	13	CLR	NC			10.00	69	38	53	32	8	03	29.60	30.07							
16	BKN	250			10.00		75	34	54	22	12	29	29.51	29.97	16	CLR	NC			10.00	74	39	56	28	8	03	29.55	30.02							
19	SCT	NC			10.00		66	40	53	39	5	23	29.52	29.99	19	FEW	NC			10.00	67	41	54	39	6	10	29.55	30.02							
22	CLR	NC			10.00		58	42	50	56	0	00	29.57	30.04	22	CLR	NC			10.00	55	43	49	64	0	00	29.59	30.06							
SUNRISE: 0556						APR 05						SUNSET: 1840						SUNRISE: 0547						APR 11						SUNSET: 1845					
01	CLR	NC			10.00		49	44	47	83	3	04	29.60	30.07	01	CLR	NC			10.00	51	43	47	74	0	00	29.59	30.06							
04	CLR	NC			10.00		45	42	44	90	0	00	29.62	30.09	04	CLR	NC			10.00	49	41	45	74	0	00	29.57	30.03							
07	CLR	NC			10.00		56	34	46	44	7	10	29.70	30.16	07	CLR	NC			10.00	53	40	47	61	3	22	29.60	30.06							
10	CLR	NC			10.00		68	32	51	26	6	VR	29.77	30.24	10	SCT	NC			10.00	70	42	55	37	8	23	29.59	30.05							
13	SCT	NC			10.00		77	36	56	23	7	19	29.73	30.19	13	BKN	250			10.00	78	49	61	36	8	24	29.53	29.99							
16	FEW	NC			10.00		80	40	59	24	10	17	29.67	30.14	16	BKN	250			10.00	81	52	64	37	6	24	29.49	29.95							
19	FEW	NC			10.00		73	40	56	30	7	15	29.67	30.14	19	OVC	250			10.00	73	48	59	41	7	15	29.50	29.96							
22	CLR	NC			10.00		66	41	53	40	10	16	29.73	30.19	22	OVC	250			10.00	62	44	53	52	13	10	29.53	29.99							
SUNRISE: 0554						APR 06						SUNSET: 1841						SUNRISE: 0546						APR 12						SUNSET: 1846					
01	CLR	NC			10.00		59	52	55	78	7	18	29.73	30.19	01	OVC	090			10.00	55	41	48	59	9	10	29.54	30.01							
04	FEW	NC			8.00		55	52	53	90	7	21	29.71	30.17	04	OVC	080			10.00	52	41	47	66	7	13	29.52	29.99							
07	SCT	NC			4.00	BR	54	52	53	93	6	24	29.75	30.22	07	OVC	080			10.00	52	42	47	69	6	09	29.54	30.00							
10	BKN	250			10.00		72	45	57	38	9	27	29.77	30.23	10	OVC	100			10.00	54	44	49	69	9	05	29.53	30.00							
13	BKN	250			10.00		80	44	60	28	16	22	29.74	30.20	13	OVC	120			10.00	55	45	50	69	16	08	29.47	29.94							
16	BKN	250			10.00		81	40	59	23	13	20	29.66	30.12	16	OVC	026			10.00	55	43	49	64	12	08	29.46	29.93							
19	SCT	NC			10.00		74	43	57	33	7	VR	29.64	30.10	19	OVC	090			10.00	52	41	47	66	8	09	29.41	29.88							
22	BKN	130			10.00		68	49	57	51	12	19	29.67	30.13	22	OVC	014			5.00	-RA BR	47	45	46	93	7	10	29.39	29.87						

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

APRIL 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 Oktas		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 Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0545	APR 13			SUNSET: 1847										SUNRISE: 0537	APR 19									
01	OVC	004			8.00	-RA	46	45	46	96	8	06	29.32	29.80	01	SCT	NC			8.00	53	45	49	74	0	00	29.64	30.10	
04	OVC	002			1.25	-DZ BR	45	44	45	97	9	03	29.30	29.77	04	SCT	NC			8.00	51	46	49	83	0	00	29.63	30.10	
07	OVC	005			2.00	BR	45	43	44	93	10	04	29.30	29.77	07	FEW	NC			5.00	55	48	51	77	0	00	29.66	30.13	
10	OVC	006			10.00		46	44	45	93	14	03	29.33	29.80	10	FEW	NC			10.00	77	49	61	37	0	00	29.67	30.14	
13	OVC	010			4.00	-RA BR	47	44	46	90	16	05	29.33	29.80	13	SCT	NC			10.00	83	45	61	26	6	17	29.62	30.09	
16	OVC	015			10.00		46	42	44	86	10	04	29.32	29.80	16	SCT	NC			10.00	84	45	62	25	6	25	29.57	30.03	
19	OVC	045			10.00		47	41	44	80	0	00	29.38	29.85	19	SCT	NC			10.00	74	49	60	41	3	24	29.56	30.02	
22	OVC	065			10.00		46	40	43	79	0	00	29.44	29.91	22	CLR	NC			10.00	65	49	56	56	0	00	29.59	30.05	
					SUNRISE: 0543	APR 14			SUNSET: 1848										SUNRISE: 0536	APR 20									
01	BKN	085			10.00		45	33	40	63	10	04	29.47	29.94	01	SCT	NC			8.00	60	49	54	67	6	23	29.58	30.04	
04	BKN	200			10.00		42	33	38	71	10	03	29.45	29.93	04	FEW	NC			8.00	57	49	53	75	6	23	29.56	30.02	
07	BKN	120			10.00		41	35	38	79	6	02	29.52	30.00	07	FEW	NC			5.00	58	51	54	78	6	23	29.58	30.04	
10	BKN	150			10.00		48	37	43	66	7	02	29.54	30.01	10	SCT	NC			10.00	77	52	62	42	6	26	29.57	30.03	
13	BKN	200			10.00		61	35	49	38	16	05	29.50	29.98	13	FEW	NC			10.00	85	47	63	27	9	26	29.52	29.98	
16	SCT	NC			10.00		64	32	49	30	10	36	29.47	29.95	16	BKN	085			9.00	83	49	63	31	7	25	29.46	29.92	
19	SCT	NC			10.00		59	35	48	41	9	04	29.50	29.97	19	SCT	NC			9.00	72	50	60	46	6	23	29.45	29.91	
22	CLR	NC			10.00		53	35	45	51	8	04	29.57	30.04	22	CLR	NC			8.00	67	46	56	47	9	24	29.48	29.94	
					SUNRISE: 0542	APR 15			SUNSET: 1849										SUNRISE: 0534	APR 21									
01	CLR	NC			10.00		49	32	42	52	9	04	29.59	30.06	01	CLR	NC			10.00	62	47	54	58	10	23	29.46	29.92	
04	CLR	NC			10.00		46	30	39	54	9	03	29.63	30.10	04	CLR	NC			10.00	57	47	52	69	9	22	29.44	29.90	
07	CLR	NC			10.00		46	31	40	56	15	02	29.72	30.19	07	CLR	NC			7.00	58	50	54	75	6	23	29.46	29.93	
10	CLR	NC			10.00		53	31	43	43	15	04	29.78	30.26	10	FEW	NC			10.00	76	52	62	43	5	VR	29.47	29.93	
13	CLR	NC			10.00		58	26	44	30	21	04	29.79	30.26	13	SCT	NC			10.00	84	48	63	29	8	29	29.42	29.88	
16	CLR	NC			10.00		60	25	45	26	23	04	29.79	30.26	16	SCT	NC			10.00	84	50	64	31	15	23	29.36	29.82	
19	CLR	NC			10.00		53	25	41	34	15	05	29.85	30.33	19	SCT	NC			10.00	74	49	60	41	5	24	29.37	29.83	
22	CLR	NC			10.00		47	15	36	28	16	04	29.92	30.40	22	OVC	090			10.00	65	54	59	68	15	06	29.45	29.91	
					SUNRISE: 0541	APR 16			SUNSET: 1850										SUNRISE: 0533	APR 22									
01	CLR	NC			10.00		43	18	34	37	8	02	29.91	30.39	01	BKN	110			10.00	58	49	53	72	9	06	29.44	29.90	
04	CLR	NC			10.00		40	21	33	47	10	02	29.89	30.37	04	BKN	110			10.00	54	49	51	83	6	05	29.42	29.88	
07	CLR	NC			10.00		41	22	34	47	12	01	29.92	30.41	07	OVC	010			8.00	55	51	53	87	5	05	29.44	29.90	
10	FEW	NC			10.00		52	20	40	28	15	03	29.96	30.45	10	BKN	250			8.00	65	54	59	68	3	24	29.42	29.88	
13	SCT	NC			10.00		60	19	43	20	16	02	29.91	30.40	13	BKN	250			10.00	77	57	65	50	10	22	29.33	29.80	
16	BKN	180			10.00		59	22	44	24	13	03	29.88	30.37	16	BKN	250			9.00	82	52	64	35	14	20	29.22	29.68	
19	BKN	180			10.00		57	23	43	27	10	03	29.89	30.37	19	OVC	100			10.00	76	48	60	37	15	18	29.19	29.65	
22	SCT	NC			10.00		46	26	38	46	6	03	29.92	30.41	22	OVC	100			10.00	65	58	61	78	7	11	29.16	29.62	
					SUNRISE: 0539	APR 17			SUNSET: 1850										SUNRISE: 0532	APR 23									
01	CLR	NC			10.00		42	23	35	47	7	03	29.89	30.38	01	OVC	038			5.00	61	59	60	93	10	23	29.17	29.63	
04	CLR	NC			10.00		38	23	32	55	3	03	29.87	30.36	04	OVC	060			10.00	60	58	59	93	7	19	29.10	29.56	
07	CLR	NC			10.00		41	26	35	55	3	VR	29.91	30.40	07	OVC	015			10.00	60	57	58	90	10	21	29.08	29.53	
10	CLR	NC			10.00		59	18	43	20	6	VR	29.90	30.38	10	OVC	014			9.00	62	57	59	84	14	20	29.06	29.52	
13	FEW	NC			10.00		68	20	48	16	8	03	29.83	30.30	13	BKN	045			10.00	74	50	60	43	22	23	28.96	29.42	
16	BKN	200			10.00		70	25	50	18	5	VR	29.75	30.22	16	BKN	060			10.00	61	44	52	54	15	28	28.99	29.44	
19	BKN	200			10.00		63	30	48	29	0	00	29.73	30.20	19	FEW	NC			10.00	58	35	47	42	15	28	29.04	29.50	
22	CLR	NC			10.00		54	31	44	42	0	00	29.75	30.22	22	CLR	NC			10.00	50	30	41	46	13	28	29.14	29.61	
					SUNRISE: 0538	APR 18			SUNSET: 1851										SUNRISE: 0531	APR 24									
01	FEW	NC			10.00		49	31	41	50	0	00	29.73	30.19	01	CLR	NC			10.00	46	34	41	63	6	26	29.11	29.57	
04	FEW	NC			8.00		46	34	41	63	5	23	29.70	30.17	04	FEW	NC			10.00	42	34	39	73	5	26	29.09	29.56	
07	BKN	200			8.00		47	38	43	71	5	22	29.73	30.20	07	BKN	070			10.00	44	28	38	53	10	28	29.10	29.57	
10	BKN	200			10.00		65	42	53	44	0	00	29.74	30.21	10	BKN	055			10.00	49	22	38	35	15	30	29.11	29.58	
13	BKN	200			10.00		77	39	57	26	8	28	29.69	30.15	13														

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

APRIL 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 <small>Okta</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION				SEA LEVEL	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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 Visibility = 8/8.

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.

NC= No ceiling detected.

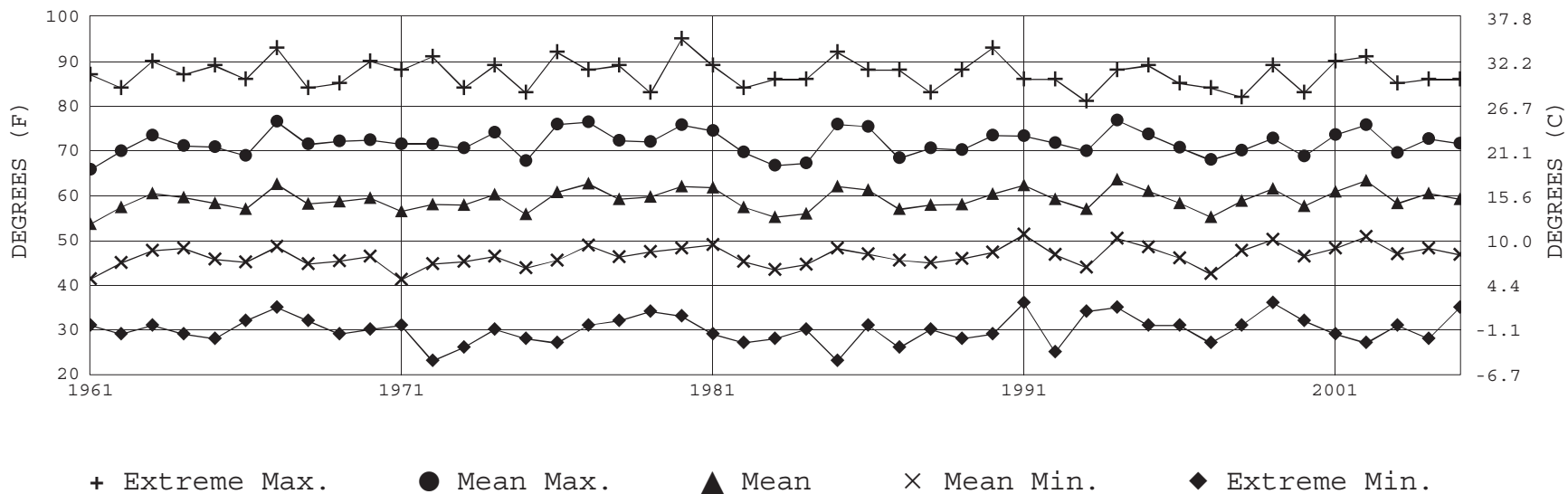
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

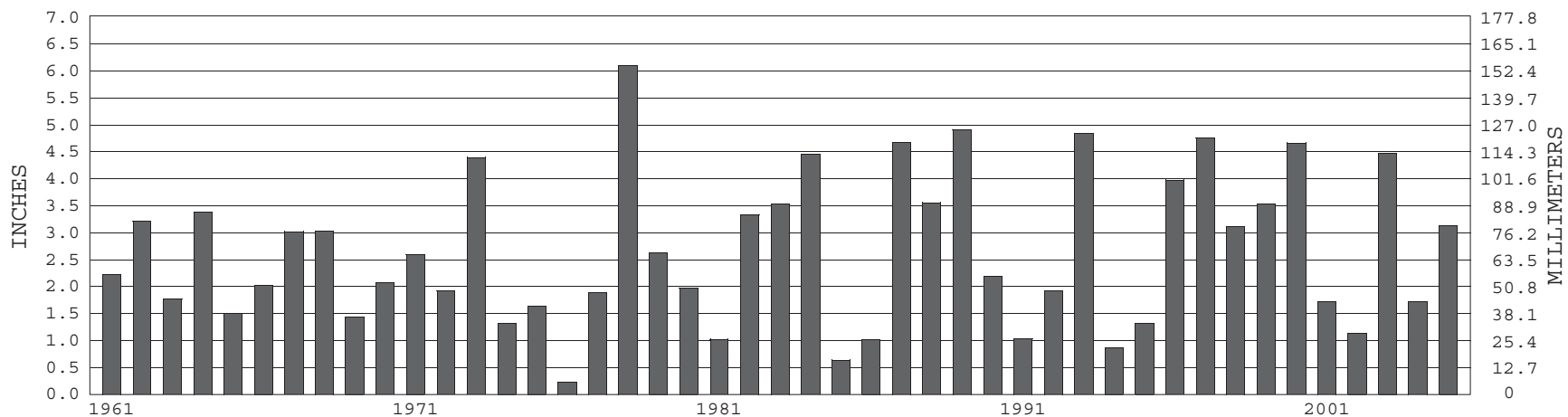
HOUR (LST)	AVERAGES										RESULTANT	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			53	43	48	70	29.49	29.95	9.20	7	1	20
02			52	43	48	71	29.48	29.94	9.20	7	1	22
03			51	43	47	74	29.47	29.94	8.94	7	1	22
04			51	43	47	75	29.47	29.94	8.95	6	1	21
05			50	43	47	78	29.48	29.94	8.53	6	2	22
06			50	43	46	78	29.49	29.96	8.32	6	2	23
07			52	43	48	74	29.50	29.97	7.74	7	2	24
08			55	43	50	67	29.51	29.98	7.94	8	2	25
09			59	43	51	59	29.51	29.98	8.43	9	1	24
10			62	42	52	53	29.52	29.98	9.43	9	2	26
11			65	42	53	48	29.51	29.97	9.77	10	2	28
12			67	42	54	44	29.49	29.96	9.80	11	3	27
13			68	42	55	42	29.47	29.94	9.67	12	4	25
14			69	42	55	42	29.46	29.92	9.32	11	3	24
15			69	42	55	43	29.44	29.91	8.98	11	4	25
16			68	42	55	44	29.44	29.90	9.53	11	4	26
17			68	42	55	45	29.43	29.90	9.67	10	2	26
18			66	42	54	46	29.44	29.91	9.40	10	2	25
19			63	42	53	50	29.44	29.91	9.67	7	1	24
20			60	43	51	55	29.46	29.93	9.50	7	1	21
21			58	43	51	59	29.48	29.95	9.53	7	1	21
22			57	42	50	61	29.48	29.95	9.60	7	1	16
23			55	42	49	64	29.48	29.95	9.63	7	1	20
24			54	43	49	67	29.48	29.95	9.47	6	2	22

RALEIGH/DURHAM, NC APRIL TEMPERATURES



Long-Term (1961-2005) Mean: 59.1 1971-2000 Normal: 59.1

RALEIGH/DURHAM, NC APRIL PRECIPITATION



Long-Term (1961-2005) Mean Monthly Total: 2.66

1971-2000 Normal: 2.80



APRIL 2005

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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