



FEBRUARY 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	46	27	37	-4	26	31	28	0	BR	0		0.0	0.00	29.90	30.39	4.5	03	5.4	20	03	14	05	01	
02	48	25	37	-4	22	31	28	0		0		0.0	0.00	29.93	30.42	4.9	04	5.5	20	05	16	04	02	
03	41	33	37	-4	31	34	28	0	RA SN PL BR	0		T	0.53	29.76	30.25	6.2	03	7.1	17	03	13	05	03	
04	49	32	41	0	31	36	24	0	BR	0		0.0	0.00	29.74	30.22	5.1	01	6.1	30	02	23	02	04	
05	59	32	46	5	29	38	19	0		0		0.0	0.00	29.86	30.35	5.4	03	6.0	21	03	17	05	05	
06	62	28	45	3	27	38	20	0		0		0.0	0.00	29.98	30.46	4.1	04	4.9	18	04	16	04	06	
07	66	36	51	9	26	40	14	0		0		0.0	0.00	29.83	30.31	1.8	07	3.9	13	17	10	03	07	
08	73*	43	58	16	34	46	7	0		0		0.0	0.00	29.64	30.11	3.5	23	4.1	16	22	14	23	08	
09	61	53	57	15	50	53	8	0	RA	0		0.0	T	29.45	29.92	7.7	22	7.8	18	22	16	22	09	
10	57	34	46	4	30	40	19	0	RA	0		0.0	0.01	29.34	29.81	9.8	30	11.0	31*	32	21	30	10	
11	47	28	38	-4	12	28	27	0		0		0.0	0.00	29.54	30.02	7.3	30	7.7	26	30	16	29	11	
12	59	24	42	0	21	34	23	0		0		0.0	0.00	29.51	29.99	7.1	25	7.6	26	24	21	26	12	
13	65	32	49	7	32	42	16	0	RA	0		0.0	T	29.67	30.15	0.6	22	2.3	13	19	9	12	13	
14	60	45	53	10	48	50	12	0	RA BR	0		0.0	0.12	29.64	30.12	5.1	19	8.2	29	22	24*	22	14	
15	69	41	55	12	44	49	10	0	FG+ MIFG BCFG BR	0		0.0	0.00	29.66	30.14	2.1	23	3.2	13	22	12	24	15	
16	70	47	59*	16	47	52	6	0	RA BR HZ	0		0.0	T	29.41	29.88	7.5	25	11.1	30	23	21	25	16	
17	53	30	42	-1	22	35	23	0		0		0.0	0.00	29.51	29.98	4.4	30	5.5	26	27	20	28	17	
18	48	28	38	-5	12	30	27	0		0		0.0	0.00	29.69	30.17	6.0	31	7.4	29	29	20	26	18	
19	54	22*	38	-6	18	32	27	0	HZ	0		0.0	0.00	29.87	30.35	1.5	23	3.1	23	26	15	23	19	
20	49	37	43	-1	32	39	22	0	RA DZ BR	0		0.0	0.09	29.86	30.34	2.4	11	4.9	15	20	12	20	20	
21	58	43	51	7	49	50	14	0	RA BR	0		0.0	0.02	29.52	30.00	8.6	23	8.8	28	20	22	23	21	
22	63	40	52	8	45	48	13	0	FG+ MIFG BCFG BR	0		0.0	0.00	29.58	30.06	2.4	07	4.5	17	04	14	05	22	
23	61	43	52	7	38	45	13	0	FG BR	0		0.0	0.00	29.67	30.14	3.7	09	6.1	24	12	16	12	23	
24	44	35	40	-5	34	37	25	0	RA DZ BR	0		0.0	0.74	29.52	30.00	7.9	04	9.6	22	05	16	04	24	
25	43	27	35*	-10	28	32	30	0	BR	0		0.0	0.00	29.65	30.13	3.3	04	5.0	16	03	14	05	25	
26	54	24	39	-6	26	33	26	0	BR	0		0.0	0.00	29.75	30.23	0.1	25	1.3	13	24	9	24	26	
27	49	29	39	-6	29	35	26	0	RA BR	0		0.0	0.10	29.68	30.16	6.9	07	7.1	22	09	17	08	27	
28	38	33	36	-10	34	35	29	0	RA DZ BR	0		0.0	0.68	29.18	29.65	5.8	01	9.2	26	04	21	04	28	
55.2 34.0 44.6 ■■ 31.3 39.0 20.1 0.0 < MONTHLY AVERAGES TOTALS-->												T	2.29	29.66	30.13	1.3	33	6.2	<-- MONTHLY AVERAGES					
1.2 2.1 1.6 ■■ <-----DEPARTURE FROM NORMAL----->												-1.18	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.78 DATE: 27-28					SEA LEVEL PRESSURE				DATE TIME						
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:					MAXIMUM				30.53 06 0951						
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:					MINIMUM				29.59 28 1451						
HEATING: 564 -63 2367 -362									NUMBER OF DAYS WITH ➡			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32: 14			PRECIPITATION ≥ 0.01 INCH: 8						
COOLING: 0 -1 6 5												MAXIMUM TEMP ≤ 32: 0			MINIMUM TEMP ≤ 0: 2			PRECIPITATION ≥ 0.10 INCH: 5						
												THUNDERSTORMS: 0			HEAVY FOG: 2			SNOWFALL ≥ 1.0 INCH: 0						

FEBRUARY 2005
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

FEBRUARY 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			0.00
02													02												02			0.00
03					T	T	0.03	0.03	0.02	0.02	0.01	0.04	03	0.11	0.12	0.06	0.04	0.05							03			0.53
04													04												04			0.00
05													05												05			0.00
06													06												06			0.00
07													07												07			0.00
08													08												08			0.00
09	T				T								09			T									09			T
10	0.01		T	T									10												10			0.01
11													11												11			0.00
12													12												12			0.00
13													13												13			T
14	0.01	0.02	T		T		T		0.01	T	T	0.02	14					0.02	T	T	T		T	T	14			0.12
15													15									T	0.01		15			0.00
16													16												16			T
17													17						T	T					17			0.00
18													18												18			0.00
19													19												19			0.00
20													20						T	0.01	0.03	0.04	0.01	T	20			0.09
21											0.02	T	21	T	T	T									21			0.02
22													22												22			0.00
23													23												23			0.00
24				T	0.02	0.14	0.20	0.11	0.11	0.02	0.08	0.03	24	0.01	0.01	0.01	T		T	T					24			0.74
25													25												25			0.00
26													26												26			0.00
27													27												27			0.10
28	0.08	0.10	0.05	0.12	0.11	0.08	0.01		T	0.02	0.02	0.03	28	0.05	T	0.01						T		0.06	28			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)	.04	.07	.08	.10	.14	.20	.25	.30	.34	.39	.44	.50
Ending Date	24	24	24	24	24	24	24	24	24	24	24	24
Ending Time (Hour/Min)	0610	0548	0555	0555	0610	0614	0635	0652	0707	0727	0805	0818

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
FEBRUARY 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							6.00	10.00	
02							8.00	10.00	
03							1.00	10.00	
04							1.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							9.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							4.00	10.00	
15							.25	10.00	
16							3.00	10.00	
17							10.00	10.00	
18							9.00	10.00	
19							6.00	10.00	
20							4.00	10.00	
21							2.50	10.00	
22							.06	10.00	
23							.50	10.00	
24							1.25	10.00	
25							6.00	10.00	
26							5.00	10.00	
27							6.00	10.00	
28							1.00	9.00	
MONTHLY AVGS							5.75	9.96	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p> 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">28</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">2 9 12</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

FEBRUARY 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>Oktas</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>Oktas</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0715 FEB 01 SUNSET: 1743						SUNRISE: 0710 FEB 07 SUNSET: 1749																							
01	SCT	NC			10.00	30	25	28	82	6	02	29.85	30.35	01	SCT	NC			10.00	44	26	37	49	9	09	29.93	30.41		
04	FEW	NC			9.00	27	25	26	92	0	00	29.85	30.34	04	BKN	200			10.00	41	27	36	57	3	36	29.91	30.40		
07	BKN	110			8.00	28	26	27	92	5	01	29.87	30.36	07	SCT	NC			10.00	36	27	33	70	3	33	29.90	30.39		
10	SCT	NC			10.00	33	27	31	78	7	VR	29.93	30.42	10	SCT	NC			10.00	47	28	39	48	6	01	29.90	30.39		
13	BKN	150			10.00	43	27	37	53	7	02	29.89	30.38	13	BKN	250			10.00	60	27	46	28	5	VR	29.84	30.31		
16	SCT	NC			10.00	45	25	37	46	10	02	29.85	30.35	16	BKN	250			10.00	64	18	45	17	5	VR	29.75	30.23		
19	CLR	NC			10.00	39	24	33	55	7	03	29.92	30.42	19	SCT	NC			10.00	50	27	40	41	3	12	29.75	30.23		
22	CLR	NC			10.00	32	25	29	75	3	03	29.97	30.46	22	SCT	NC			10.00	43	29	37	58	3	12	29.73	30.21		
SUNRISE: 0714 FEB 02 SUNSET: 1744						SUNRISE: 0709 FEB 08 SUNSET: 1750																							
01	CLR	NC			10.00	29	25	28	85	5	03	29.94	30.44	01	BKN	130			10.00	47	26	39	44	0	00	29.71	30.18		
04	CLR	NC			10.00	28	25	27	88	3	35	29.95	30.45	04	BKN	130			10.00	44	28	38	53	5	18	29.69	30.16		
07	CLR	NC			8.00	26	23	25	88	6	02	29.96	30.45	07	BKN	110			10.00	47	31	40	54	5	26	29.66	30.13		
10	SCT	NC			10.00	34	25	31	70	12	04	29.98	30.47	10	BKN	250			10.00	55	30	44	39	6	22	29.70	30.17		
13	SCT	NC			10.00	44	15	34	31	5	VR	29.94	30.44	13	BKN	250			10.00	68	32	51	26	10	25	29.63	30.10		
16	BKN	150			10.00	46	18	36	33	7	04	29.87	30.37	16	BKN	250			10.00	71	37	54	29	7	24	29.58	30.05		
19	OVC	130			10.00	42	19	34	40	3	03	29.89	30.38	19	SCT	NC			10.00	60	39	50	46	0	00	29.59	30.06		
22	OVC	110			10.00	42	22	35	45	7	07	29.88	30.37	22	BKN	080			10.00	54	40	47	59	0	00	29.59	30.06		
SUNRISE: 0714 FEB 03 SUNSET: 1745						SUNRISE: 0708 FEB 09 SUNSET: 1751																							
01	BKN	090			10.00	40	25	34	55	7	08	29.85	30.34	01	OVC	055			10.00	56	43	49	62	0	00	29.57	30.03		
04	OVC	075			10.00	38	28	34	68	7	03	29.83	30.31	04	OVC	060			10.00	53	45	49	74	7	23	29.54	30.01		
07	OVC	048			8.00	35	31	33	85	0	00	29.83	30.31	07	OVC	046			10.00	54	49	51	83	6	22	29.51	29.98		
10	OVC	044			5.00	34	31	33	89	7	03	29.80	30.28	10	OVC	032			9.00	58	52	55	81	9	22	29.52	29.99		
13	OVC	005			1.50	33	32	33	96	7	02	29.73	30.22	13	OVC	060			10.00	61	52	56	72	9	23	29.46	29.93		
16	OVC	016			2.00	35	34	35	96	9	08	29.67	30.15	16	OVC	029			8.00	58	52	55	81	5	22	29.40	29.87		
19	OVC	003			2.00	34	33	34	97	8	02	29.72	30.20	19	OVC	021			9.00	57	51	54	81	13	22	29.37	29.84		
22	OVC	003			2.00	34	32	33	92	5	34	29.72	30.20	22	OVC	011			7.00	57	53	55	87	12	21	29.33	29.80		
SUNRISE: 0713 FEB 04 SUNSET: 1746						SUNRISE: 0707 FEB 10 SUNSET: 1752																							
01	OVC	002			1.00	33	32	33	96	6	35	29.71	30.19	01	OVC	013			9.00	57	54	55	90	10	23	29.25	29.72		
04	OVC	006			2.00	34	32	33	92	5	VR	29.71	30.19	04	OVC	080			10.00	52	49	50	89	3	26	29.23	29.70		
07	SCT	NC			5.00	32	30	31	92	0	00	29.74	30.22	07	BKN	070			10.00	50	40	45	68	10	30	29.26	29.73		
10	OVC	040			6.00	36	33	35	89	7	01	29.78	30.27	10	FEW	NC			10.00	50	30	41	46	10	33	29.31	29.78		
13	BKN	035			10.00	45	31	39	58	14	01	29.74	30.22	13	SCT	NC			10.00	49	19	38	31	15	28	29.32	29.79		
16	SCT	NC			10.00	49	31	41	50	10	34	29.71	30.19	16	BKN	075			10.00	46	19	36	34	15	30	29.33	29.80		
19	CLR	NC			10.00	44	31	39	60	6	02	29.75	30.22	19	BKN	060			10.00	40	18	32	41	7	32	29.41	29.88		
22	CLR	NC			10.00	40	29	36	65	0	00	29.78	30.26	22	CLR	NC			10.00	35	17	29	48	9	31	29.47	29.95		
SUNRISE: 0712 FEB 05 SUNSET: 1747						SUNRISE: 0706 FEB 11 SUNSET: 1753																							
01	CLR	NC			10.00	37	29	34	73	3	34	29.78	30.26	01	CLR	NC			10.00	33	15	27	48	10	31	29.51	29.98		
04	CLR	NC			10.00	36	27	33	70	3	33	29.83	30.31	04	CLR	NC			10.00	32	14	26	47	7	31	29.53	30.01		
07	CLR	NC			10.00	36	25	32	64	8	03	29.83	30.31	07	CLR	NC			10.00	29	14	24	54	5	30	29.57	30.06		
10	FEW	NC			10.00	46	25	38	44	10	02	29.87	30.35	10	FEW	NC			10.00	35	7	27	31	10	32	29.59	30.07		
13	FEW	NC			10.00	55	31	44	40	14	03	29.85	30.34	13	BKN	250			10.00	42	9	31	25	12	28	29.53	30.01		
16	FEW	NC			10.00	59	31	46	35	8	04	29.86	30.34	16	SCT	NC			10.00	46	12	34	25	13	28	29.49	29.97		
19	FEW	NC			10.00	48	29	40	48	0	00	29.88	30.37	19	CLR	NC			10.00	39	8	29	28	3	31	29.53	30.01		
22	FEW	NC			10.00	39	30	35	70	6	04	29.91	30.40	22	CLR	NC			10.00	35	14	28	42	5	30	29.56	30.04		
SUNRISE: 0711 FEB 06 SUNSET: 1748						SUNRISE: 0705 FEB 12 SUNSET: 1754																							
01	CLR	NC			10.00	35	28	32	76	3	03	29.94	30.42	01	CLR	NC			10.00	28	18	25	66	0	00	29.53	30.01		
04	CLR	NC			10.00	33	27	31	78	5	36	29.96	30.45	04	CLR	NC			10.00	27	20	25	75	5	22	29.51	29.99		
07	CLR	NC			10.00	33	24	30	70	3	36	29.98	30.47	07	CLR	NC			10.00	28	21	26	75	3	22	29.54	30.03		
10	SCT	NC			10.00	44	26	37	49	9	03	30.04	30.53	10	FEW	NC			10.00	46	24	37	42	9	25	29.54	30.02		
13	FEW	NC			10.00	58	26	44	30	7	VR	29.99	30.48	13	FEW	NC			10.00	55	19	41	24	13	26	29.49	29.97		
16	BKN	250			10.00	60	27	46	28	7	04	29.94	30.43	16	FEW	NC			10.00	58	18	42	21	13	28	29.43	29.91		
19	BKN	250			10.00	50	28	41	43	0	00	29.97	30.46	19	SCT	NC			10.00	48	22	38	36	8	24	29.46	29.94		
22	OVC	140			10.00	45	29	38	54	6	07	29.96	30.45	22	CLR	NC			10.00	41	24	35	51	5	24	29.53	30.01		

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

FEBRUARY 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>Oktas</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>Oktas</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0704 FEB 13 SUNSET: 1755						SUNRISE: 0657 FEB 19 SUNSET: 1801																							
01	FEW	NC			10.00	40	25	34	55	0	00	29.56	30.03	01	CLR	NC			10.00	29	14	24	54	0	00	29.81	30.29		
04	SCT	NC			10.00	38	26	33	62	0	00	29.58	30.06	04	SCT	NC			9.00	26	17	23	69	0	00	29.82	30.30		
07	BKN	200			10.00	34	27	31	76	0	00	29.63	30.11	07	SCT	NC			10.00	22	16	20	78	0	00	29.86	30.35		
10	BKN	200			10.00	53	30	43	41	3	34	29.68	30.16	10	FEW	NC			10.00	39	15	31	38	0	00	29.92	30.41		
13	OVC	200			10.00	61	30	47	31	3	22	29.69	30.16	13	SCT	NC			10.00	50	18	38	28	9	28	29.88	30.37		
16	BKN	200			10.00	63	30	48	29	6	25	29.68	30.15	16	BKN	250			10.00	54	19	40	25	7	VR	29.85	30.34		
19	OVC	075			10.00	57	39	48	51	7	10	29.71	30.19	19	BKN	150			10.00	47	21	37	36	0	00	29.87	30.36		
22	OVC	065			10.00	52	42	47	69	0	00	29.76	30.23	22	BKN	120			10.00	45	21	36	39	7	12	29.89	30.38		
SUNRISE: 0703 FEB 14 SUNSET: 1756						SUNRISE: 0656 FEB 20 SUNSET: 1802																							
01	OVC	060			10.00	48	44	46	86	0	00	29.77	30.24	01	BKN	120			10.00	40	26	35	58	0	00	29.88	30.37		
04	OVC	075			10.00	47	44	46	90	9	12	29.72	30.19	04	BKN	110			10.00	39	25	34	57	5	04	29.89	30.38		
07	OVC	100			10.00	45	41	43	86	7	12	29.71	30.18	07	OVC	085			10.00	38	25	33	60	6	03	29.92	30.41		
10	OVC	050			10.00	46	42	44	86	0	00	29.69	30.16	10	OVC	085			10.00	42	26	36	53	5	07	29.94	30.42		
13	OVC	023			10.00	55	50	52	83	7	18	29.61	30.08	13	OVC	070			10.00	46	30	39	54	0	00	29.90	30.39		
16	OVC	085			10.00	60	53	56	78	10	18	29.53	30.00	16	OVC	060			10.00	48	33	42	56	6	13	29.82	30.30		
19	OVC	015			10.00	57	54	55	90	16	22	29.55	30.02	19	OVC	050			8.00	-RA	45	40	43	83	6	15	29.81	30.29	
22	OVC	006			4.00	BR	56	55	97	8	25	29.61	30.08	22	OVC	080			4.00	-DZ BR	44	43	44	96	7	17	29.75	30.22	
SUNRISE: 0702 FEB 15 SUNSET: 1757						SUNRISE: 0655 FEB 21 SUNSET: 1803																							
01	FEW	NC			6.00	BR	49	48	48	97	7	24	29.65	30.12	01	OVC	055			7.00	46	42	44	86	5	23	29.68	30.16	
04	BKN	005			0.25	FG	45	44	45	97	0	00	29.67	30.14	04	OVC	055			5.00	BR	45	43	44	93	7	22	29.61	30.09
07	BKN	200			1.00	BR MIFG	44	43	44	96	0	00	29.69	30.16	07	OVC	200			4.00	BR	44	42	43	93	8	23	29.58	30.06
10	OVC	200			4.00	BR	50	49	49	96	0	00	29.73	30.20	10	OVC	012			6.00	BR	50	46	48	86	7	26	29.57	30.05
13	BKN	200			10.00	65	47	55	52	5	VR	29.72	30.19	13	OVC	006			6.00	-RA BR	54	52	53	93	14	24	29.52	29.99	
16	BKN	250			10.00	67	40	53	37	7	24	29.66	30.13	16	OVC	010			10.00	58	54	56	87	7	24	29.44	29.92		
19	SCT	NC			10.00	56	41	49	57	5	16	29.63	30.11	19	OVC	018			10.00	57	55	56	93	13	23	29.42	29.89		
22	BKN	250			10.00	49	42	46	77	0	00	29.60	30.07	22	BKN	250			10.00	54	53	53	97	5	25	29.45	29.92		
SUNRISE: 0701 FEB 16 SUNSET: 1758						SUNRISE: 0654 FEB 22 SUNSET: 1804																							
01	OVC	150			10.00	49	43	46	80	6	21	29.56	30.03	01	SCT	NC			2.00	BR MIFG	49	48	48	97	0	00	29.48	29.95	
04	BKN	200			7.00	49	46	47	90	7	23	29.48	29.95	04	BKN	001			0.25	FG	44	43	44	96	0	00	29.50	29.97	
07	OVC	007			5.00	BR	53	50	51	89	12	23	29.45	29.92	07	BKN	001			0.25	FG	41	41	41	100	0	00	29.56	30.03
10	OVC	013			7.00		59	53	56	81	14	24	29.41	29.88	10	SCT	NC			10.00	53	48	50	83	13	03	29.63	30.10	
13	BKN	150			9.00		68	54	60	61	17	24	29.33	29.80	13	SCT	NC			10.00	59	45	52	60	7	05	29.63	30.10	
16	BKN	200			9.00		68	55	60	63	13	23	29.29	29.75	16	BKN	250			10.00	63	44	53	50	6	02	29.59	30.06	
19	OVC	130			10.00		61	46	53	58	9	35	29.36	29.83	19	FEW	NC			10.00	53	46	50	77	8	12	29.62	30.09	
22	OVC	070			10.00		53	34	44	49	10	01	29.45	29.92	22	CLR	NC			8.00	50	45	48	83	7	15	29.61	30.08	
SUNRISE: 0660 FEB 17 SUNSET: 1759						SUNRISE: 0653 FEB 23 SUNSET: 1805																							
01	OVC	065			10.00	47	28	39	48	12	35	29.49	29.96	01	BKN	009			3.00	BR	45	44	45	97	0	00	29.61	30.09	
04	BKN	110			10.00	43	24	36	47	0	00	29.49	29.96	04	OVC	003			2.50	BR	50	49	49	96	0	00	29.62	30.09	
07	FEW	NC			10.00	35	27	32	72	0	00	29.51	29.98	07	FEW	NC			8.00		44	39	42	83	0	00	29.69	30.16	
10	BKN	150			10.00	47	24	38	41	9	32	29.53	30.00	10	FEW	NC			10.00	51	36	44	56	14	04	29.75	30.22		
13	BKN	110			10.00	50	22	39	33	13	26	29.49	29.96	13	SCT	NC			10.00	56	36	47	47	10	10	29.69	30.16		
16	SCT	NC			10.00	53	19	40	26	10	28	29.45	29.92	16	FEW	NC			10.00	60	34	48	38	8	04	29.64	30.11		
19	SCT	NC			10.00	45	12	34	26	6	30	29.53	30.01	19	FEW	NC			10.00	53	33	44	47	7	10	29.64	30.12		
22	CLR	NC			10.00	36	16	29	44	0	00	29.57	30.05	22	CLR	NC			10.00	49	34	42	57	8	11	29.67	30.14		
SUNRISE: 0659 FEB 18 SUNSET: 1760						SUNRISE: 0651 FEB 24 SUNSET: 1806																							
01	CLR	NC			10.00	30	19	26	64	3	28	29.58	30.06	01	FEW	NC			10.00	43	31	38	63	9	09	29.65	30.12		
04	CLR	NC			10.00	36	12	28	37	7	31	29.59	30.06	04	OVC	037			8.00	-RA	40	32	37	73	14	07	29.55	30.03	
07	CLR	NC			10.00	33	14	27	45	3	VR	29.66	30.14	07	OVC	020			3.00	RA BR	37	35	36	93	13	03	29.56	30.03	
10	FEW	NC			10.00	38	10	29	31	10	30	29.72	30.20	10	OVC	007			3.00	-RA BR	38	36	37	93	16	05	29.52	29.99	
13	SCT	NC			10.00	43	10	32	26	16	32	29.70	30.18	13	OVC	008			3.00	-DZ BR	39	37	38	93	8	36	29.47	29.95	
16	FEW	NC			10.00	47	10	34	22	12	27	29.67	30.15	16	OVC	008			8.00		38	36	37	93	10	01	29.44	29.92	
19	CLR	NC			10.00	41	10	31	28	3	VR	29.75	30.23	19	OVC	007			7.00		36	34	35	93	7	03	29.47	29.95	
22	CLR	NC			10.00	36	11	28	35	0	00	29.80	30.28	22	OVC	008			9.00		35	33	34	93	7	VR	29.53	30.01	

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

FEBRUARY 2005

RDU

WBAN # 13722

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
			SUNRISE: 0650		FEB 25	SUNSET: 1807							
01	OVC	009		10.00		34	31	33	89	8	35	29.55	30.03
04	SCT	NC		10.00		33	29	31	85	5	VR	29.56	30.04
07	OVC	008		10.00		31	28	30	89	3	36	29.61	30.09
10	BKN	012		10.00		34	29	32	82	8	03	29.70	30.18
13	BKN	025		10.00		38	28	34	68	9	04	29.68	30.16
16	BKN	032		10.00		41	27	35	57	5	VR	29.66	30.14
19	CLR	NC		10.00		35	27	32	72	5	07	29.69	30.17
22	CLR	NC		10.00		33	26	30	75	3	13	29.71	30.19
			SUNRISE: 0649		FEB 26	SUNSET: 1808							
01	CLR	NC		5.00	BR	27	25	26	92	0	00	29.71	30.19
04	CLR	NC		6.00	BR	26	24	25	92	0	00	29.72	30.20
07	CLR	NC		5.00	BR	25	23	24	92	0	00	29.76	30.24
10	CLR	NC		10.00		39	29	35	67	0	00	29.80	30.29
13	FEW	NC		10.00		49	25	39	39	5	35	29.76	30.24
16	SCT	NC		10.00		52	24	41	34	0	00	29.71	30.19
19	BKN	200		10.00		42	28	36	58	0	00	29.74	30.23
22	CLR	NC		10.00		38	29	34	70	0	00	29.77	30.24
			SUNRISE: 0647		FEB 27	SUNSET: 1808							
01	SCT	NC		10.00		33	28	31	82	0	00	29.77	30.24
04	BKN	250		7.00		31	28	30	89	0	00	29.75	30.23
07	BKN	200		6.00	BR	31	28	30	89	0	00	29.79	30.27
10	OVC	150		10.00		41	30	37	65	7	07	29.80	30.28
13	OVC	150		10.00		48	31	41	52	7	06	29.73	30.22
16	OVC	045		10.00		47	30	40	52	12	07	29.64	30.12
19	OVC	042		10.00		44	28	38	53	12	08	29.59	30.07
22	OVC	055		10.00	-RA	37	31	35	79	12	05	29.49	29.97
			SUNRISE: 0646		FEB 28	SUNSET: 1809							
01	OVC	021		5.00	-RA BR	34	32	33	92	14	02	29.38	29.86
04	OVC	006		5.00	RA BR	34	32	33	92	13	03	29.25	29.72
07	OVC	006		9.00		36	34	35	93	16	03	29.16	29.63
10	OVC	007		5.00	-RA BR	37	35	36	93	14	03	29.12	29.60
13	OVC	007		1.50	-RA BR	38	36	37	93	7	35	29.13	29.61
16	OVC	008		6.00	BR	36	34	35	93	6	33	29.11	29.59
19	OVC	006		8.00		35	33	34	93	3	VR	29.16	29.64
22	OVC	008		8.00		36	34	35	93	3	25	29.15	29.63
			SUNRISE:		FEB 29	SUNSET:							
			SUNRISE:		FEB 30	SUNSET:							

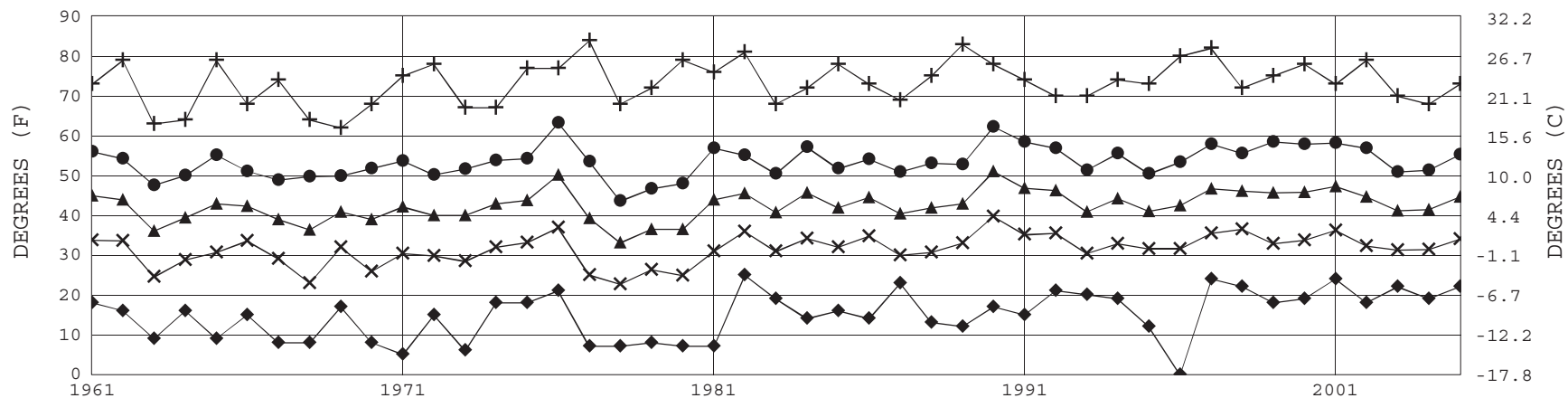
HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
			OBSERVATION TIME (LST)	EFF CLD AMT <small>Okta</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION
			SUNRISE:		FEB 31	SUNSET:							

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 Visibilty = 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 WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			40	31	36	74	29.67	30.15	8.50	4	2	36
02			39	31	36	76	29.66	30.14	8.20	4	1	26
03			39	31	36	77	29.66	30.14	8.08	4	1	34
04			38	31	35	77	29.66	30.13	7.89	4	1	36
05			38	31	35	79	29.66	30.14	7.88	4	1	2
06			37	31	35	80	29.67	30.14	7.89	4	1	1
07			37	30	34	80	29.67	30.15	7.87	4	1	35
08			38	31	35	79	29.68	30.16	7.45	5	2	2
09			41	31	37	71	29.70	30.18	7.75	7	2	1
10			44	31	39	64	29.70	30.17	8.75	8	4	36
11			47	31	41	58	29.69	30.17	8.86	9	4	1
12			49	31	42	54	29.68	30.16	8.96	9	3	32
13			51	31	43	51	29.66	30.13	8.96	8	3	30
14			52	31	43	49	29.63	30.11	9.07	8	3	29
15			53	31	44	48	29.62	30.09	9.14	8	3	29
16			53	31	44	48	29.61	30.09	9.39	8	2	31
17			52	31	43	49	29.61	30.09	9.21	8	2	29
18			49	31	42	54	29.62	30.10	9.09	7	1	32
19			47	31	41	58	29.63	30.11	9.43	6	0	0
20			45	31	40	61	29.64	30.12	9.21	5	1	25
21			44	32	39	65	29.65	30.12	9.00	4	0	0
22			43	32	38	68	29.65	30.13	9.00	5	1	9
23			42	31	38	68	29.65	30.13	8.57	6	1	28
24			41	31	37	71	29.65	30.12	8.55	5	1	33

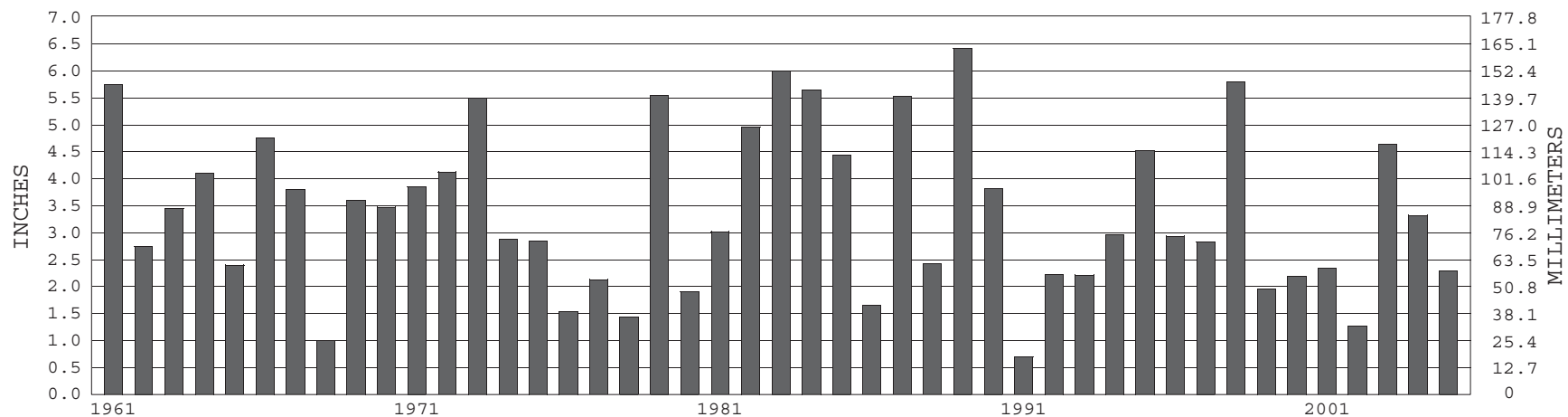
RALEIGH/DURHAM, NC FEBRUARY TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1961-2005) Mean: 42.5 1971-2000 Normal: 43.0

RALEIGH/DURHAM, NC FEBRUARY PRECIPITATION



Long-Term (1961-2005) Mean Monthly Total: 3.40

1971-2000 Normal: 3.47



FEBRUARY 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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