



JANUARY 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	74	44	59	19	47	51	6	0	BR	0		0.0	0.00	29.93	30.41	2.7	22	3.2	10	24	8	23	01	
02	72	42	57	17	48	51	8	0	BR HZ	0		0.0	0.00	30.00	30.47	1.4	19	2.4	14	24	12	24	02	
03	71	44	58	18	51	54	7	0	MIFG BR	0		0.0	0.00	29.91	30.38	6.2	22	6.3	18	23	16	23	03	
04	76	55	66	26	54	58	0	1	RA	0		0.0	T	29.76	30.23	8.1	23	8.2	17	23	15	23	04	
05	71	53	62	22	53	57	3	0		0		0.0	0.00	29.60	30.06	10.3	23	10.6	29	23	24	23	05	
06	73	57	65	25	56	59	0	0	RA BR	0		0.0	0.02	29.45	29.91	14.1	23	14.2	37	23	30	23	06	
07	63	50	57	17	44	51	8	0	RA	0		0.0	0.01	29.72	30.19	3.4	09	5.7	17	14	14	13	07	
08	71	49	60	20	53	55	5	0	RA BR	0		0.0	T	29.71	30.19	3.8	22	8.5	32	24	25	24	08	
09	52	38	45	5	35	41	20	0		0		0.0	0.00	29.87	30.35	3.2	06	4.1	17	09	13	08	09	
10	62	35	49	9	42	44	16	0	FG+ BR HZ	0		0.0	0.00	29.71	30.19	3.1	23	4.0	16	23	14	23	10	
11	63	37	50	11	43	46	15	0	MIFG BR	0		0.0	0.00	29.71	30.19	1.1	15	2.7	10	22	9	14	11	
12	74	44	59	20	52	55	6	0	MIFG BR HZ	0		0.0	0.00	29.69	30.16	7.0	21	7.9	22	23	20	23	12	
13	78*	61	70*	31	61	63	0	5	RA BR	0		0.0	0.21	29.59	30.06	13.5	19	13.6	33	17	24	19	13	
14	70	39	55	16	45	50	10	0	RA BR	0		0.0	1.55	29.66	30.13	0.7	29	11.2	39*	20	30*	20	14	
15	42	33	38	-1	20	31	27	0		0		0.0	0.00	30.10	30.59	10.0	04	10.1	23	03	18	04	15	
16	43	30	37	-2	25	32	28	0	SN PL BR	0		T	T	29.85	30.33	7.3	02	8.0	21	01	16	04	16	
17	37	22	30	-9	5	22	35	0		0		0.0	0.00	29.95	30.44	6.8	32	8.7	26	35	18	33	17	
18	30	14	22	-17	0	16	43	0		0		0.0	0.00	30.17	30.66	3.0	36	5.2	18	02	13	03	18	
19	30	13	22*	-17	12	20	43	0	SN FG+ FZFG BR	T		0.7	0.04	29.82	30.32	6.9	22	7.2	22	24	20	23	19	
20	43	25	34	-6	24	30	31	0	RA DZ SN BR	0		T	0.06	29.53	30.02	0.6	27	1.8	10	30	8	27	20	
21	34	30	32	-8	29	31	33	0	RA SN FG BR	0		T	0.11	29.62	30.10	7.2	05	7.2	18	05	16	05	21	
22	33	27	30	-10	23	27	35	0	RA FZRA FZDZ BR	0		0.0	0.04	29.43	29.92	1.1	06	5.9	14	17	14	17	22	
23	33	18	26	-14	7	20	39	0	BR	0		0.0	0.00	29.55	30.04	10.8	32	11.2	32	29	22	33	23	
24	42	11*	27	-13	6	22	38	0		0		0.0	0.00	29.70	30.19	5.9	24	7.3	20	22	15	23	24	
25	56	24	40	0	18	32	25	0		0		0.0	0.00	29.47	29.95	3.3	22	5.5	18	18	15	23	25	
26	63	34	49	9	34	41	16	0	RA BR	0		0.0	0.01	29.28	29.75	4.9	24	6.8	17	23	15	23	26	
27	48	24	36	-4	16	30	29	0	RA	0		0.0	T	29.81	30.29	10.6	03	11.1	25	05	20	04	27	
28	33	19	26	-14	2	19	39	0		0		0.0	0.00	30.20	30.70	6.4	04	7.3	22	05	18	05	28	
29	35	18	27	-13	18	25	38	0	RA FZRA FZDZ SN BR	0		T	0.09	29.97	30.46	4.1	03	4.7	12	05	10	05	29	
30	37	31	34	-6	32	33	31	0	RA FZRA FZDZ BR	0		0.0	0.50	29.58	30.06	3.1	36	4.8	18	02	13	01	30	
31	45	29	37	-3	24	31	28	0		0		0.0	0.00	29.79	30.27	7.9	02	8.1	20	03	16	04	31	
53.4		33.9	43.7	■ ■	31.6	38.6	21.4	0.2	< MONTHLY AVERAGES	TOTALS->			0.7	2.64	29.75	30.23	1.1	27	7.2	<- MONTHLY AVERAGES				
3.6		4.3	4.0	■ ■	<-----DEPARTURE FROM NORMAL----->							-1.38		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.76 DATE :13-14					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 0.7 DATE :19					MAXIMUM : 30.77 28 0951										
TOTAL DEPARTURE									GREATEST SNOW DEPTH: T DATE : 19					MINIMUM : 29.64 22 1951										
HEATING: 662 -121									NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32 : 15			PRECIPITATION ≥ 0.01 INCH : 11							
COOLING: 6 6											MAXIMUM TEMP ≤ 32 : 2			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 4							
											THUNDERSTORMS : 0			HEAVY FOG : 2			SNOWFALL ≥ 1.0 INCH : 0							

JANUARY 2005
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

JANUARY 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	T												01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04											T	04		T		
05													05											T	05		0.00		
06												06					0.02	T							06	0.02			
07												07										T	0.01	T	07	0.01			
08												08													08	T			
09												09													09	0.00			
10												10													10	0.00			
11												11													11	0.00			
12												12													12	0.00			
13												13					0.06	0.08	0.05	T	0.02	T	T		13	0.21			
14		T	T	T	T	0.84	0.32	0.21	0.14	0.04	T	T	14												14	1.55			
15													15												15	0.00			
16													16												16	T			
17													17												17	0.00			
18													18												18	0.00			
19													19	0.01	0.02	0.01									19	0.04			
20													20						T	T	T	T	0.03	0.03	20	0.06			
21	0.04	0.03	0.02	0.01	0.01	T	T						21												21	0.11			
22											T	0.01	22	T	0.01			T	T	0.02	T	T			22	0.04			
23													23												23	0.00			
24													24												24	0.00			
25													25												25	0.00			
26								0.01	T	T			26	T											26	0.01			
27								T					27												27	T			
28													28												28	0.00			
29													29			T	0.02	0.04	0.03	T	T	T	T	T	29	0.09			
30	0.01	0.13	0.10	0.09	0.11	0.06							30												30	0.50			
31													31												31	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	.39	.60	.68	.78	.86	.95	1.06	1.15	1.23	1.33	1.42
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hour/Min)	0536	0535	0535	0540	0547	0603	0618	0632	0653	0714	0744	0805

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
JANUARY 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							5.00	10.00	
02							4.00	10.00	
03							4.00	10.00	
04							10.00	10.00	
05							7.00	10.00	
06							4.00	10.00	
07							7.00	10.00	
08							1.00	10.00	
09							10.00	10.00	
10							.25	10.00	
11							4.00	10.00	
12							1.50	10.00	
13							1.75	10.00	
14							1.00	10.00	
15							10.00	10.00	
16							3.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							.25	10.00	
20							3.00	10.00	
21							.25	10.00	
22							1.00	10.00	
23							2.00	10.00	
24							7.00	10.00	
25							10.00	10.00	
26							6.00	10.00	
27							7.00	10.00	
28							10.00	10.00	
29							6.00	10.00	
30							1.50	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.33	10.00	
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									
1 11 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JANUARY 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: 0725 JAN 01						SUNSET: 1713						SUNRISE: 0726 JAN 07						SUNSET: 1718											
01	FEW	NC			7.00	BR	47	43	45	86	5	23	29.90	30.38	01	BKN	250			10.00	61	54	57	78	8	24	29.55	30.01	
04	BKN	250			7.00		47	44	46	90	5	24	29.90	30.38	04	OVC	025			10.00	59	54	56	83	0	00	29.60	30.06	
07	BKN	100			5.00		47	44	46	90	5	23	29.92	30.41	07	BKN	150			10.00	50	44	47	80	0	00	29.69	30.16	
10	BKN	250			7.00		54	47	50	77	6	22	29.98	30.46	10	BKN	250			10.00	58	40	49	51	8	04	29.79	30.26	
13	BKN	250			10.00		69	48	58	47	5	VR	29.92	30.40	13	OVC	110			10.00	59	38	49	46	6	04	29.77	30.24	
16	SCT	NC			10.00	72	50	60	46	7	22	29.90	30.38	16	BKN	150			10.00	63	40	51	43	8	13	29.77	30.24		
19	FEW	NC			10.00	59	50	54	72	0	00	29.95	30.43	19	BKN	070			10.00	57	40	49	53	6	08	29.78	30.26		
22	SCT	NC			8.00	52	48	50	86	0	00	29.96	30.44	22	BKN	018			10.00	53	47	50	80	8	12	29.79	30.26		
SUNRISE: 0726 JAN 02						SUNSET: 1713						SUNRISE: 0726 JAN 08						SUNSET: 1718											
01	BKN	200			6.00	BR	47	46	47	97	0	00	29.97	30.45	01	OVC	013			10.00	50	46	48	86	7	11	29.75	30.22	
04	SCT	NC			4.00	BR	45	44	45	97	0	00	29.96	30.44	04	OVC	006			5.00	BR	52	49	50	89	6	14	29.70	30.17
07	FEW	NC			4.00	BR	44	42	43	93	6	10	30.00	30.48	07	OVC	004			2.00	BR	57	56	56	96	12	19	29.66	30.13
10	BKN	200			6.00	HZ	56	51	53	84	0	00	30.05	30.53	10	BKN	070			8.00		63	59	61	87	16	21	29.67	30.14
13	BKN	250			10.00		70	52	60	53	6	25	30.00	30.48	13	OVC	028			10.00		68	57	62	68	12	24	29.63	30.10
16	BKN	110			10.00		68	50	58	53	8	24	29.97	30.45	16	OVC	022			8.00		63	60	61	90	7	29	29.69	30.16
19	BKN	200			10.00		59	50	54	72	6	14	29.98	30.47	19	BKN	060			8.00		58	57	57	97	0	00	29.75	30.22
22	SCT	NC			8.00		51	48	50	89	0	00	30.00	30.48	22	BKN	065			10.00		54	42	48	64	12	03	29.83	30.30
SUNRISE: 0726 JAN 03						SUNSET: 1714						SUNRISE: 0726 JAN 09						SUNSET: 1719											
01	SCT	NC			5.00	BR	46	45	46	96	0	00	29.97	30.45	01	BKN	060			10.00	49	36	43	61	6	35	29.86	30.33	
04	FEW	NC			4.00	BR MIFG	47	46	47	97	0	00	29.96	30.44	04	SCT	NC			10.00	43	36	40	76	5	02	29.85	30.33	
07	FEW	NC			4.00	BR MIFG	48	46	47	93	0	00	29.96	30.44	07	BKN	060			10.00	43	34	39	71	12	08	29.88	30.36	
10	BKN	150			7.00		57	52	54	83	6	20	29.96	30.44	10	BKN	056			10.00	45	33	40	63	9	07	29.94	30.42	
13	OVC	250			10.00		69	53	60	57	10	23	29.89	30.37	13	BKN	027			10.00	51	34	43	52	3	VR	29.88	30.36	
16	BKN	250			10.00		69	53	60	57	12	23	29.84	30.32	16	OVC	024			10.00	52	35	44	53	0	00	29.85	30.32	
19	BKN	150			10.00		61	53	57	75	6	19	29.85	30.32	19	FEW	NC			10.00	44	36	41	73	0	00	29.84	30.32	
22	BKN	150			10.00		60	53	56	78	12	22	29.85	30.32	22	CLR	NC			10.00	40	36	38	86	0	00	29.84	30.31	
SUNRISE: 0726 JAN 04						SUNSET: 1715						SUNRISE: 0726 JAN 10						SUNSET: 1720											
01	BKN	150			10.00		58	53	55	84	12	22	29.80	30.26	01	CLR	NC			8.00	38	35	37	89	0	00	29.79	30.27	
04	BKN	150			10.00		55	52	53	90	10	23	29.79	30.26	04	CLR	NC			5.00	BR	36	35	36	97	0	00	29.72	30.20
07	BKN	100			10.00		57	53	55	87	12	23	29.79	30.25	07	OVC	008			4.00	BR	41	39	40	93	7	23	29.71	30.18
10	BKN	250			10.00		63	54	58	73	9	24	29.83	30.30	10	VV	001			0.50	FG	45	45	45	100	9	22	29.73	30.21
13	BKN	250			10.00		74	54	62	50	9	23	29.75	30.22	13	BKN	250			8.00		54	46	50	75	7	22	29.67	30.15
16	SCT	NC			10.00		73	55	62	53	9	22	29.72	30.19	16	BKN	250			10.00		61	45	53	56	5	24	29.65	30.12
19	BKN	130			10.00		66	54	59	65	3	20	29.74	30.21	19	BKN	250			9.00		51	45	48	80	0	00	29.68	30.16
22	BKN	130			10.00		61	54	57	78	6	24	29.74	30.21	22	SCT	NC			4.00	BR	42	41	42	96	3	07	29.72	30.20
SUNRISE: 0726 JAN 05						SUNSET: 1716						SUNRISE: 0725 JAN 11						SUNSET: 1721											
01	BKN	120			10.00		61	54	57	78	8	22	29.68	30.14	01	FEW	NC			5.00	BR	41	39	40	93	0	00	29.73	30.20
04	FEW	NC			10.00		56	53	54	90	9	22	29.63	30.09	04	FEW	NC			4.00	BR	37	37	37	100	5	05	29.72	30.20
07	CLR	NC			10.00		56	52	54	87	12	22	29.63	30.09	07	FEW	NC			4.00	BR	42	41	42	96	0	00	29.77	30.25
10	BKN	250			10.00		63	54	58	73	15	23	29.66	30.12	10	OVC	250			7.00		50	44	47	80	5	14	29.79	30.26
13	BKN	250			10.00		71	53	61	53	12	27	29.60	30.06	13	OVC	250			10.00		60	44	52	56	7	21	29.70	30.18
16	BKN	250			10.00		68	54	60	61	16	23	29.55	30.02	16	OVC	250			10.00		60	47	53	62	5	VR	29.65	30.13
19	BKN	130			10.00		60	53	56	78	6	22	29.56	30.03	19	BKN	130			9.00		52	46	49	80	0	00	29.68	30.16
22	SCT	NC			10.00		60	53	56	78	9	22	29.54	30.01	22	SCT	NC			7.00		47	44	46	90	3	10	29.68	30.15
SUNRISE: 0726 JAN 06						SUNSET: 1717						SUNRISE: 0725 JAN 12						SUNSET: 1722											
01	BKN	250			10.00		58	53	55	84	10	23	29.48	29.94	01	CLR	NC			6.00	BR	45	43	44	93	3	30	29.66	30.14
04	BKN	250			9.00		58	55	56	90	12	22	29.44	29.91	04	CLR	NC			5.00	BR	47	45	46	93	0	00	29.66	30.13
07	BKN	250			10.00		57	53	55	87	10	22	29.47	29.94	07	FEW	NC			2.50	BR	47	46	46	97	5	23	29.69	30.17
10	BKN	055			10.00		64	57	60	78	18	22	29.48	29.94	10	BKN	250			3.00	BR	57	53	55	87	10	22	29.73	30.21
13	OVC	045			10.00		70	56	62	61	22	23	29.41	29.87	13	OVC	200			8.00		68	56	61	66	12	24	29.69	30.16
16	OVC	047			10.00		71	56	62	59	17	23	29.39	29.85	16	BKN	060			10.00		71	54	61	55	9	22	29.67	30.14
19	BKN	110			10.00		66	57	61	73	13	22	29.42	29.88	19	SCT	NC			10.00		65	55	59	70	8	18	29.70	30.17
22	BKN	250			10.00		65	57	60	76	13	25	29.48	29.95	22	OVC	075			10.00		63	56	59	78	7	18	29.72	30.19

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JANUARY 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: 0725 JAN 13 SUNSET: 1723												SUNRISE: 0723 JAN 19 SUNSET: 1729																	
01	BKN	070			10.00	61	57	59	87	10	17	29.69	30.15	01	CLR	NC			10.00	16	8	14	71	0	00	30.09	30.59		
04	OVC	060			10.00	62	58	60	86	8	19	29.69	30.15	04	CLR	NC			10.00	15	7	13	70	5	18	30.02	30.52		
07	BKN	070			10.00	63	60	61	90	9	17	29.67	30.14	07	CLR	NC			10.00	17	7	15	64	5	18	29.96	30.46		
10	BKN	012			10.00	66	62	64	87	14	19	29.70	30.16	10	OVC	150			10.00	24	3	19	40	16	22	29.91	30.42		
13	BKN	033			10.00	72	60	65	66	13	19	29.59	30.06	13	OVC	008			0.75	-SN	BR	23	19	22	85	8	21	29.79	30.28
16	OVC	045			10.00	74	58	64	57	14	17	29.51	29.98	16	OVC	055			10.00	28	15	24	58	9	22	29.67	30.16		
19	OVC	014			5.00	67	64	65	91	22	18	29.51	29.97	19	OVC	050			10.00	30	14	25	51	9	21	29.64	30.13		
22	OVC	035			10.00	68	64	66	87	15	19	29.47	29.93	22	OVC	050			10.00	30	17	26	59	10	22	29.64	30.13		
SUNRISE: 0725 JAN 14 SUNSET: 1724												SUNRISE: 0723 JAN 20 SUNSET: 1730																	
01	OVC	025			10.00	70	62	65	76	26	19	29.41	29.87	01	SCT	NC			10.00	27	14	23	58	3	23	29.58	30.07		
04	OVC	020			10.00	69	64	66	84	22	18	29.34	29.80	04	BKN	200			10.00	27	17	24	66	0	00	29.57	30.05		
07	OVC	015			3.00	58	56	57	93	6	VR	29.45	29.91	07	SCT	NC			10.00	28	19	25	69	3	18	29.57	30.06		
10	OVC	050			10.00	53	48	50	83	9	36	29.60	30.06	10	OVC	130			9.00	33	21	29	61	0	00	29.59	30.07		
13	OVC	031			10.00	51	39	45	64	13	36	29.66	30.13	13	OVC	120			10.00	41	26	35	55	0	00	29.52	30.00		
16	OVC	130			10.00	50	37	44	61	9	02	29.77	30.23	16	OVC	250			10.00	41	25	35	53	5	32	29.48	29.96		
19	BKN	130			10.00	47	30	40	52	5	VR	29.89	30.37	19	OVC	024			9.00	37	30	34	76	0	00	29.50	29.98		
22	SCT	NC			10.00	43	31	38	63	7	03	29.96	30.45	22	OVC	032			5.00	-SNRA	BR	35	33	34	93	0	00	29.49	29.97
SUNRISE: 0725 JAN 15 SUNSET: 1725												SUNRISE: 0722 JAN 21 SUNSET: 1731																	
01	CLR	NC			10.00	38	30	35	73	5	02	30.01	30.50	01	OVC	015			2.50	-RASN	BR	33	32	33	96	3	06	29.47	29.95
04	CLR	NC			10.00	35	27	32	72	8	04	30.05	30.53	04	OVC	003			3.00	-RASN	BR	34	33	34	97	3	07	29.45	29.93
07	SCT	NC			10.00	33	20	29	59	13	04	30.11	30.60	07	OVC	003			1.50	BR		34	33	34	97	6	03	29.50	29.98
10	OVC	130			10.00	36	20	30	52	13	04	30.15	30.65	10	OVC	004			2.00	BR		33	32	33	96	9	04	29.61	30.09
13	BKN	130			10.00	42	18	34	38	14	06	30.13	30.62	13	OVC	008			3.00	BR		32	29	31	88	14	05	29.64	30.12
16	BKN	150			10.00	41	15	32	35	10	04	30.10	30.59	16	OVC	017			9.00			32	26	30	79	12	05	29.67	30.16
19	OVC	140			10.00	38	17	31	43	12	03	30.10	30.59	19	OVC	018			10.00	31	25	29	79	6	06	29.75	30.23		
22	OVC	140			10.00	35	17	29	48	8	03	30.10	30.59	22	OVC	047			10.00	30	23	28	75	6	07	29.79	30.27		
SUNRISE: 0724 JAN 16 SUNSET: 1726												SUNRISE: 0722 JAN 22 SUNSET: 1732																	
01	OVC	070			10.00	33	18	28	54	10	04	30.04	30.53	01	OVC	043			10.00	29	20	26	69	6	07	29.74	30.23		
04	OVC	070			10.00	33	20	29	59	10	02	29.97	30.47	04	OVC	035			10.00	28	18	25	66	8	07	29.71	30.19		
07	OVC	065			10.00	33	23	30	67	9	02	29.92	30.41	07	OVC	049			10.00	28	15	24	58	6	07	29.67	30.15		
10	OVC	019			3.00	33	24	30	70	13	02	29.91	30.41	10	OVC	029			10.00	28	17	25	63	8	07	29.56	30.05		
13	BKN	090			10.00	40	27	35	60	7	VR	29.80	30.28	13	OVC	016			10.00	28	23	26	81	6	08	29.37	29.86		
16	SCT	NC			10.00	43	27	37	53	9	02	29.73	30.21	16	OVC	013			8.00			29	25	28	85	7	24	29.21	29.70
19	CLR	NC			10.00	34	26	31	73	0	00	29.72	30.21	19	OVC	005			1.00	-FZRA	BR	30	28	29	92	6	27	29.17	29.65
22	OVC	060			10.00	34	29	32	82	0	00	29.76	30.24	22	OVC	004			2.00	BR		32	31	32	96	6	27	29.18	29.66
SUNRISE: 0724 JAN 17 SUNSET: 1727												SUNRISE: 0721 JAN 23 SUNSET: 1733																	
01	OVC	033			10.00	36	22	31	57	9	34	29.80	30.28	01	FEW	NC			10.00	33	30	32	89	7	31	29.22	29.71		
04	CLR	NC			10.00	30	12	25	47	7	VR	29.85	30.35	04	FEW	NC			10.00	24	10	20	55	13	29	29.33	29.82		
07	CLR	NC			10.00	25	8	20	48	9	33	29.94	30.43	07	FEW	NC			10.00	19	4	15	52	17	30	29.46	29.94		
10	CLR	NC			10.00	27	5	21	39	9	34	30.00	30.50	10	SCT	NC			10.00	22	5	18	48	14	31	29.53	30.02		
13	CLR	NC			10.00	32	1	24	26	9	31	29.95	30.44	13	SCT	NC			10.00	26	5	20	40	13	33	29.56	30.05		
16	CLR	NC			10.00	32	0	24	25	10	30	29.93	30.42	16	CLR	NC			10.00	28	3	21	34	9	32	29.62	30.10		
19	FEW	NC			10.00	27	-2	20	28	5	VR	29.99	30.49	19	CLR	NC			10.00	25	5	20	42	10	33	29.71	30.20		
22	CLR	NC			10.00	23	2	18	40	6	VR	30.03	30.53	22	CLR	NC			10.00	21	2	16	43	9	32	29.80	30.28		
SUNRISE: 0724 JAN 18 SUNSET: 1728												SUNRISE: 0721 JAN 24 SUNSET: 1734																	
01	CLR	NC			10.00	21	1	16	41	5	34	30.08	30.58	01	CLR	NC			10.00	18	2	14	49	3	32	29.81	30.30		
04	CLR	NC			10.00	18	0	14	45	6	01	30.13	30.63	04	CLR	NC			10.00	16	3	13	56	5	32	29.84	30.32		
07	CLR	NC			10.00	16	0	13	49	7	VR	30.19	30.69	07	FEW	NC			10.00	11	4	9	73	5	30	29.85	30.35		
10	CLR	NC			10.00	20	-2	15	38	8	36	30.25	30.75	10	FEW	NC			10.00	25	6	20	44	5	29	29.85	30.35		
13	CLR	NC			10.00	26	-4	19	26	10	32	30.19	30.69	13	SCT	NC			10.00	38	5	28	25	12	22	29.73	30.22		
16	CLR	NC			10.00	28	-5	20	23	6	VR	30.16	30.66	16	OVC	100			10.00	40	5	29	23	10	22	29.59	30.07		
19	FEW	NC			10.00	23	-1	17	35	0	00	30.15	30.65	19	BKN	100			10.00	38	6	28	26	13	21	29.52	30.01		
22	CLR	NC			10.00	18	6	15	60	0	00	30.16	30.66	22	OVC	080			10.00	33	11	26	40	8	23	29.51	29.99		

OBSERVATIONS AT 3-HOURLY INTERVALS

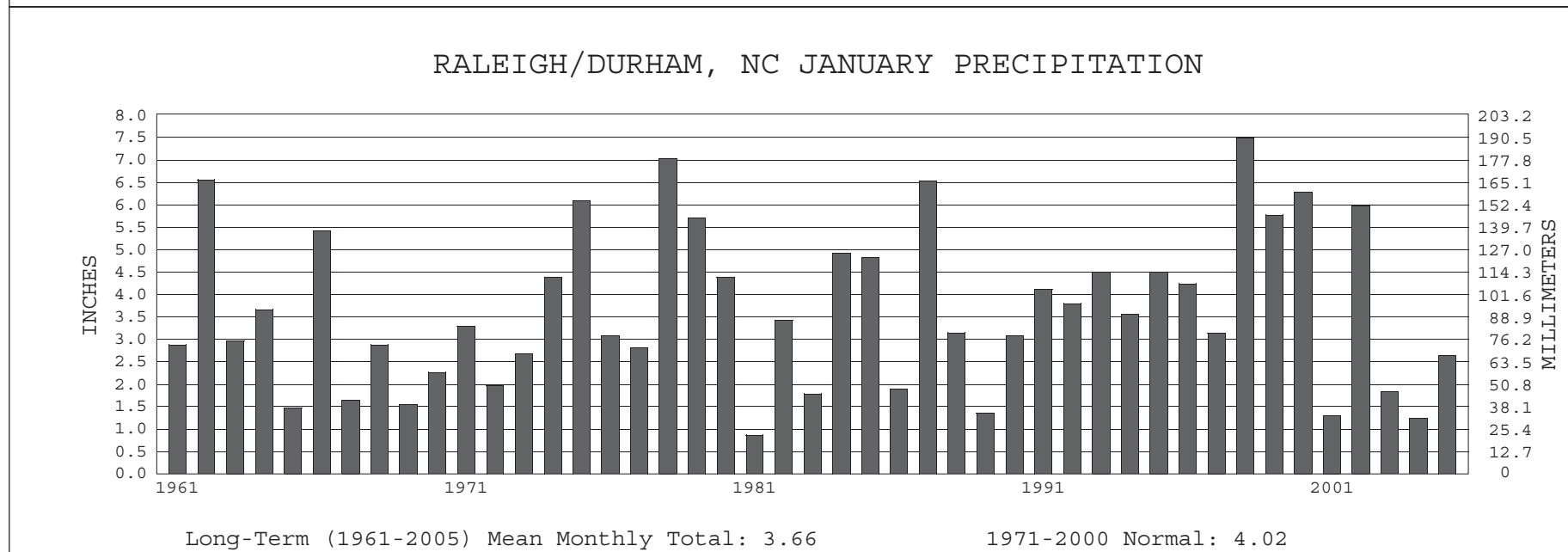
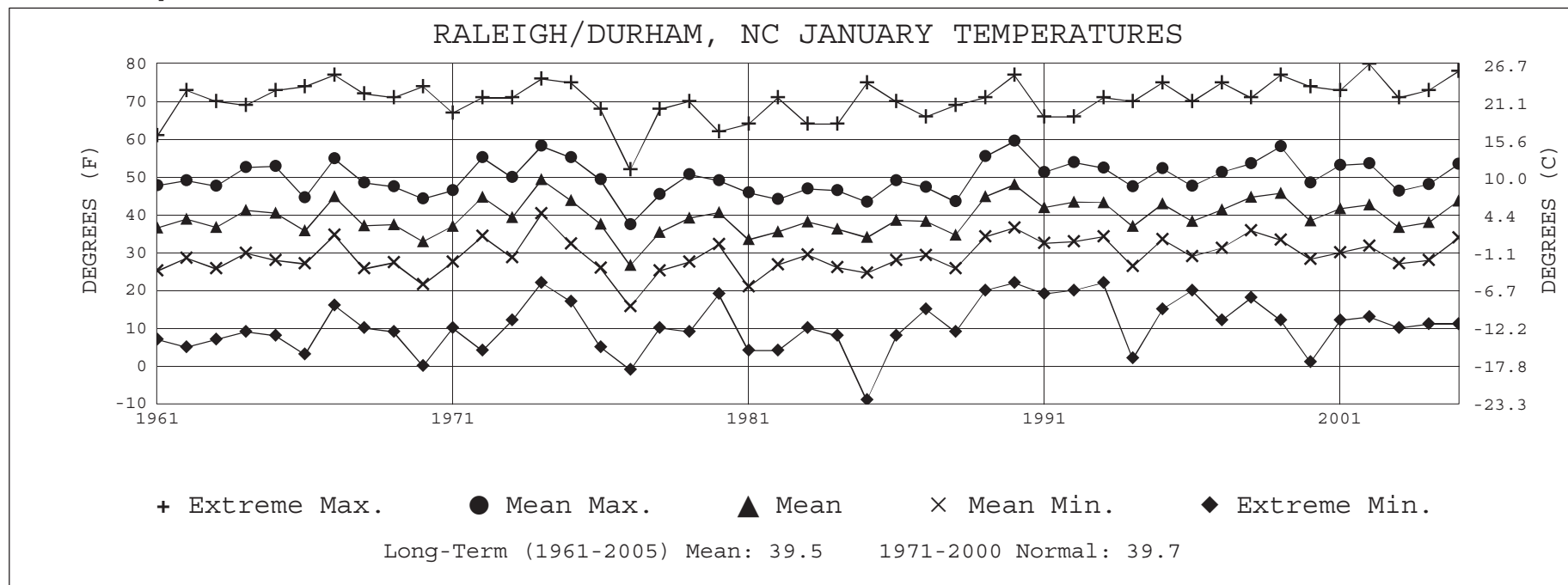
RALEIGH/DURHAM, NC

JANUARY 2005

RDU

WBAN # 13722

HOUR (LST)	SKY COVER		CEILING 100'S OFF	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 OFF	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: 0720 JAN 25										SUNSET: 1735										SUNRISE: 0716 JAN 31										SUNSET: 1742									
01	CLR	NC			10.00			10.00		28	10	23	47	6	26	29.49	29.97	01	CLR	NC			10.00			10.00		32	27	30	82	6	02	29.66	30.14				
04	CLR	NC			10.00			10.00		29	11	24	47	0	00	29.52	30.01	04	CLR	NC			10.00			10.00		32	23	29	69	8	01	29.70	30.18				
07	CLR	NC			10.00			10.00		27	14	23	58	0	00	29.54	30.02	07	CLR	NC			10.00			10.00		30	21	27	69	8	36	29.77	30.25				
10	SCT	NC			10.00			10.00		43	16	33	34	6	VR	29.55	30.03	10	FEW	NC			10.00			10.00		33	23	30	67	10	03	29.83	30.31				
13	SCT	NC			10.00			10.00		48	18	37	30	3	VR	29.49	29.96	13	FEW	NC			10.00			10.00		41	25	35	53	9	04	29.83	30.31				
16	FEW	NC			10.00			10.00		55	22	42	28	10	22	29.41	29.89	16	SCT	NC			10.00			10.00		44	22	36	41	9	03	29.79	30.27				
19	CLR	NC			10.00			10.00		46	21	36	37	7	18	29.40	29.88	19	BKN	250			10.00			10.00		38	23	32	55	8	03	29.83	30.31				
22	CLR	NC			10.00			10.00		41	21	34	45	7	21	29.39	29.87	22	SCT	NC			10.00			10.00		33	25	30	72	7	04	29.85	30.34				
SUNRISE: 0719 JAN 26										SUNSET: 1736										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.																			
01	CLR	NC			10.00			10.00		39	27	34	62	8	21	29.34	29.81	SUMMARY BY HOUR																					
04	SCT	NC			10.00			10.00		36	27	33	70	6	21	29.27	29.75	AVERAGES																					
07	BKN	120			10.00			10.00		36	28	33	73	6	24	29.27	29.74	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)										
10	BKN	085			9.00			10.00		42	32	38	68	9	23	29.26	29.74								STATION	SEA LEVEL													
13	BKN	090			10.00			10.00		56	36	47	47	8	23	29.21	29.68	01			40	32	37	73	29.74	30.22	8.82	6	1	25									
16	BKN	100			10.00			10.00		62	40	51	44	9	26	29.21	29.68	02			40	31	37	74	29.74	30.22	8.79	6	1	27									
19	BKN	060			10.00			10.00		59	40	50	49	8	33	29.29	29.76	03			39	31	36	75	29.74	30.22	8.39	6	1	31									
22	CLR	NC			10.00			10.00		50	36	44	59	3	34	29.37	29.84	04			38	31	36	75	29.74	30.22	8.39	6	0	0									
SUNRISE: 0719 JAN 27										SUNSET: 1737																													
01	CLR	NC			10.00			10.00		48	33	41	56	7	01	29.43	29.90	05			38	30	35	75	29.74	30.22	8.32	6	1	29									
04	FEW	NC			10.00			10.00		42	30	37	62	9	36	29.53	30.01	06			37	30	35	77	29.75	30.23	8.08	6	1	32									
07	OVC	030			10.00			10.00		40	27	35	60	8	02	29.66	30.14	07			37	30	35	76	29.76	30.24	8.06	6	1	29									
10	BKN	033			10.00			10.00		36	23	31	59	16	04	29.80	30.27	08			37	30	35	76	29.77	30.25	7.75	6	1	31									
13	FEW	NC			10.00			10.00		38	14	30	37	13	03	29.85	30.33	09			40	31	37	74	29.78	30.27	7.94	7	1	28									
16	FEW	NC			10.00			10.00		38	6	28	26	15	05	29.88	30.37	10			42	31	38	67	29.79	30.28	8.44	9	1	29									
19	CLR	NC			10.00			10.00		30	3	23	31	9	05	29.99	30.49	11			45	31	40	61	29.79	30.27	9.10	9	2	28									
22	CLR	NC			10.00			10.00		26	0	20	32	10	05	30.08	30.58	12			47	31	41	56	29.77	30.25	8.78	9	3	27									
SUNRISE: 0718 JAN 28										SUNSET: 1738																													
01	CLR	NC			10.00			10.00		23	1	18	38	10	04	30.13	30.63	13			49	32	42	54	29.74	30.22	9.07	8	2	26									
04	CLR	NC			10.00			10.00		21	0	16	39	13	04	30.18	30.68	14			50	32	42	52	29.72	30.20	9.27	9	3	25									
07	FEW	NC			10.00			10.00		19	1	15	45	9	04	30.22	30.72	15			51	32	43	51	29.71	30.19	9.60	9	2	29									
10	BKN	200			10.00			10.00		22	0	17	38	9	04	30.27	30.77	16			50	32	43	51	29.71	30.19	9.65	9	2	26									
13	BKN	200			10.00			10.00		30	1	23	29	3	VR	30.21	30.71	17			48	32	42	56	29.71	30.19	8.96	7	1	24									
16	BKN	200			10.00			10.00		32	0	24	25	6	04	30.19	30.68	18			46	32	41	61	29.72	30.20	9.58	5	1	21									
19	BKN	150			10.00			10.00		29	3	22	33	3	01	30.22	30.72	19			45	32	40	63	29.73	30.22	9.35	6	1	19									
22	SCT	NC			10.00			10.00		25	5	20	42	6	07	30.19	30.69	20			43	32	39	67	29.74	30.22	9.32	5	1	18									
SUNRISE: 0717 JAN 29										SUNSET: 1739																													
01	BKN	150			10.00			10.00		23	7	19	50	7	08	30.17	30.67	21			42	32	39	69	29.75	30.23	9.29	6	1	20									
04	BKN	150			10.00			10.00		21	8	18	57	5	35	30.15	30.64	22			42	32	38	71	29.75	30.23	9.06	6	0	0									
07	BKN	150			10.00			10.00		20	9	17	62	6	03	30.08	30.58	23			41	32	38	71	29.75	30.23	9.00	6	0	0									
10	OVC	120			10.00			10.00		25	12	21	58	6	35	30.08	30.58	24			40	31	37	73	29.75	30.23	8.94	6	0	0									
13	OVC	038			10.00			10.00		32	17	27	54	3	VR	29.97	30.47	25																					
16	OVC	043			6.00			6.00	-PLRA BR	32	22	29	66	6	03	29.89	30.39	26																					
19	OVC	038			9.00			9.00	-SN	32	28	31	85	3	05	29.83	30.32	27																					
22	OVC	023			7.00			7.00	-FZDZ	32	30	31	92	3	02	29.75	30.24	28																					
SUNRISE: 0717 JAN 30										SUNSET: 1740																													
01	OVC	014			4.00			4.00	-FZDZ	32	31	32	96	3	34	29.64	30.12	29																					
04	OVC	005			4.00			4.00	-RA	32	30	31	92	0	00	29.58	30.06	30																					
07	OVC	005			10.00			10.00		32	31	32	96	0	00	29.54	30.02	31																					
10	BKN	005			10.00			10.00		33	31	32	92	6	34	29.55	30.03	32																					
13	OVC	005			1.50			1.50	BR	34	33	34	97	7	VR	29.53	30.01	33																					
16	OVC	006			8.00			8.00		36	33	35	89	8	02	29.54	30.03	34																					
19	BKN	010			10.00			10.00		35	32	34	89	8	02	29.60	30.08	35																					
22	FEW	NC			10.00			10.00		33	30	32	89	6	01	29.65	30.13	36																					





JANUARY 2005

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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