



# NOVEMBER 2004

## 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	86*	55	71	16	61	64	0	6	MIFG BR HZ	0		0.0	0.00	29.64	30.10	2.5	21	3.3	15	23	13	23	01							
02	81	60	71*	16	64	66	0	6	FG BR	0		0.0	0.00	29.63	30.09	6.5	23	6.8	20	24	16	23	02							
03	78	62	70	16	61	65	0	5	RA BR	0		0.0	0.02	29.61	30.07	1.9	09	7.6	17	05	15	04	03							
04	66	52	59	5	54	56	6	0	RA DZ FG BR	0		0.0	0.49	29.44	29.91	1.3	16	7.0	22	23	20	23	04							
05	64	40	52	-2	36	45	13	0		0		0.0	0.00	29.49	29.96	4.4	31	6.0	24	34	17	35	05							
06	68	35	52	-2	36	44	13	0		0		0.0	0.00	29.57	30.05	4.8	23	4.9	21	24	17	22	06							
07	74	40	57	4	42	49	8	0		0		0.0	0.00	29.49	29.96	4.6	22	4.6	17	23	14	22	07							
08	66	40	53	0	40	47	12	0		0		0.0	0.00	29.66	30.13	5.4	03	5.6	22	03	18	04	08							
09	55	31	43	-10	28	36	22	0	HZ	0		0.0	0.00	29.97	30.45	2.1	03	3.0	20	03	15	02	09							
10	57	29	43	-9	31	38	22	0		0		0.0	0.00	30.05	30.54	2.0	14	2.4	14	14	10	10	10							
11	65	36	51	-1	40	46	14	0	RA	0		0.0	0.03	29.84	30.32	1.3	19	2.6	12	17	10	17	11							
12	63	49	56	4	56	57	9	0	RA BR	0		0.0	1.52	29.61	30.07	2.3	11	6.1	21	03	15	17	12							
13	55	39	47	-5	38	43	18	0		0		0.0	0.00	29.88	30.36	11.0	02	11.2	25	03	22	04	13							
14	52	29	41	-11	23	34	24	0		0		0.0	0.00	30.20	30.69	6.5	03	6.8	21	04	17	04	14							
15	62	27	45	-6	29	37	20	0		0		0.0	0.00	30.11	30.60	0.7	02	1.5	12	01	8	02	15							
16	58	32	45	-6	37	41	20	0	BR	0		0.0	0.00	29.94	30.42	0.6	21	.7	8	20	8	23	16							
17	66	35	51	0	38	44	14	0	BR	0		0.0	0.00	29.85	30.33	1.2	02	1.7	14	08	10	08	17							
18	70	46	58	7	47	51	7	0	RA	0		0.0	0.03	29.76	30.24	4.2	22	4.4	13	22	10	24	18							
19	74	50	62	12	52	55	3	0		0		0.0	0.00	29.67	30.14	2.1	20	2.6	10	23	9	22	19							
20	75	52	64	14	55	58	1	0	RA BR	0		0.0	T	29.64	30.11	3.7	23	4.0	20	23	16	23	20							
21	70	50	60	11	51	55	5	0	BCFG BR	0		0.0	0.00	29.74	30.21	2.4	05	2.6	16	06	13	08	21							
22	63	50	57	8	54	56	8	0	RA BR HZ	0		0.0	T	29.66	30.13	2.5	16	2.5	15	16	8	19	22							
23	60	57	59	10	57	57	6	0	RA FG BR	0		0.0	0.90	29.51	29.97	5.8	11	6.1	20	11	16	12	23							
24	71	58	65	17	61	62	0	0	RA FG+ BR	0		0.0	0.05	29.32	29.78	7.8	18	9.0	28	19	22	20	24							
25	66	37	52	4	41	49	13	0	RA	0		0.0	T	29.22	29.69	10.9	26	13.7	37*	23	30*	24	25							
26	51	30	41	-7	23	33	24	0		0		0.0	0.00	29.74	30.22	2.0	01	2.8	14	05	10	04	26							
27	55	27*	41*	-7	39	42	24	0	RA DZ BR	0		0.0	0.70	29.65	30.13	4.5	09	5.0	20	10	15	11	27							
28	62	42	52	5	41	47	13	0	RA FG+ BR	0		0.0	0.15	29.49	29.96	3.9	30	5.0	22	30	15	30	28							
29	57	36	47	0	32	40	18	0		0		0.0	0.00	29.80	30.28	1.8	03	2.7	15	12	13	05	29							
30	63	33	48	1	37	43	17	0		0		0.0	0.00	29.74	30.22	3.1	18	4.3	16	17	13	17	30							
65.1 42.0 53.6 ■■										43.5 48.7 11.8 0.6	< MONTHLY AVERAGES TOTALS->			0.0 3.89	29.70 30.17	0.4 21 4.9	<- MONTHLY AVERAGES													
2.7 2.5 2.6 ■■										<-----DEPARTURE FROM NORMAL----->										0.92	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.55 DATE: 11-12				SEA LEVEL PRESSURE DATE TIME																	
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM : 30.76 14 0951																	
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM : 29.46 25 0551																	
HEATING: 354 -71 481 -159									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 7				PRECIPITATION ≥ 0.01 INCH : 9													
COOLING: 17 11 1747 228									MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH : 5													
									THUNDERSTORMS: 0				HEAVY FOG: 2				SNOWFALL ≥ 1.0 INCH : 0													

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

NOVEMBER 2004

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													03												03			0.02	
04			T	0.17	0.05	0.08	T	T	0.02	T	T	0.01	04		T	0.04	0.05	0.08	T	0.01					04			0.49	
05													05												05			0.00	
06													06												06			0.00	
07													07												07			0.00	
08													08												08			0.00	
09													09												09			0.00	
10													10												10			0.00	
11													11												11			0.03	
12	0.02	T	T							0.05	0.05	0.04	12	0.01	T	T		0.03	0.34	0.69	0.23	0.05	T	0.01	12			1.52	
13													13												13			0.00	
14													14												14			0.00	
15													15												15			0.00	
16													16												16			0.00	
17													17												17			0.00	
18								0.03	T				18												18			0.03	
19													19												19			0.00	
20							T	T					20												20			T	
21													21												21			0.00	
22													22			T	0.03	0.03	0.01	0.02	0.01	T	0.01	T	22			T	
23	T	0.01	0.03	0.06	0.04	0.01	0.05	0.09	0.09	0.04	0.06	0.05	23	0.14	0.12						T	0.01	T	T	23			0.90	
24								0.02	0.02				24							0.01		T			24			0.05	
25				T									25							0.01					25			T	
26													26												26			0.00	
27													27												27			0.70	
28	0.09	0.03	0.03										28							T	T		0.06	0.48	28			0.15	
29													29												29			0.00	
30													30												30			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)	.13	.21	.27	.33	.44	.66	.74	.96	1.06	1.14	1.21	1.27
Ending Date	27	12	12	12	12	12	12	12	12	12	12	12
Ending Time (Hour/Min)	2208	1814	1817	1822	1812	1821	1825	1854	1908	1928	1958	1958

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  
NOVEMBER 2004**

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							3.00	10.00	
02							.50	10.00	
03							2.00	10.00	
04							.50	10.00	
05							7.00	10.00	
06							10.00	10.00	
07							8.00	10.00	
08							9.00	10.00	
09							4.00	10.00	
10							10.00	10.00	
11							7.00	10.00	
12							1.75	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							6.00	10.00	
17							5.00	10.00	
18							9.00	10.00	
19							7.00	10.00	
20							6.00	10.00	
21							2.50	10.00	
22							1.75	8.00	
23							.50	6.00	
24							.13	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							.25	10.00	
28							.25	10.00	
29							10.00	10.00	
30							9.00	10.00	
<b>MONTHLY AVGS</b>							5.73	9.80	
<p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center"><b>NUMBER OF DAYS WITH:</b></p> <p align="center"><b>SKY CONDITION</b></p> <p align="center">CLR   PTLY CLDY   CLOUDY   MISSING</p> <p align="center">30</p> <p align="center"><b>MINIMUM VISIBILITY (MILES)</b></p> <p align="center">&lt;=0.25      &lt;=3.0      &gt;=7.0</p> <p align="center">3                11             15</p>									

## OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

NOVEMBER 2004

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 OFFT	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 OFFT	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: 0638						NOV 01						SUNSET: 1719						SUNRISE: 0644						NOV 07						SUNSET: 1714											
01	CLR	NC			7.00	62	60	61	93	0	00	29.59	30.06	01	CLR	NC			10.00	46	39	43	77	3	23	29.52	29.99	01	CLR	NC			10.00	46	39	43	77	3	23	29.52	29.99
04	CLR	NC			4.00	60	59	59	96	0	00	29.61	30.07	04	CLR	NC			10.00	43	39	41	86	5	23	29.50	29.97	04	CLR	NC			10.00	43	39	41	86	5	23	29.50	29.97
07	BKN	250			3.00	57	57	57	100	0	00	29.66	30.13	07	CLR	NC			8.00	41	38	40	89	0	00	29.52	29.99	07	CLR	NC			10.00	41	38	40	89	0	00	29.52	29.99
10	BKN	250			8.00	75	63	67	66	0	00	29.69	30.15	10	FEW	NC			10.00	59	44	51	58	6	22	29.55	30.02	10	FEW	NC			10.00	59	44	51	58	6	22	29.55	30.02
13	BKN	250			10.00	83	59	68	44	6	VR	29.63	30.09	13	FEW	NC			10.00	72	40	55	31	9	22	29.48	29.94	13	FEW	NC			10.00	72	40	55	31	9	22	29.48	29.94
16	BKN	250			8.00	82	64	70	55	7	24	29.60	30.06	16	FEW	NC			10.00	71	42	56	35	8	23	29.45	29.92	16	FEW	NC			10.00	71	42	56	35	8	23	29.45	29.92
19	FEW	NC			7.00	72	64	67	76	6	18	29.64	30.10	19	CLR	NC			10.00	58	44	51	60	5	23	29.46	29.93	19	CLR	NC			10.00	58	44	51	60	5	23	29.46	29.93
22	CLR	NC			7.00	68	63	65	84	5	23	29.66	30.12	22	CLR	NC			10.00	53	44	49	72	3	22	29.48	29.95	22	CLR	NC			10.00	53	44	49	72	3	22	29.48	29.95
SUNRISE: 0639						NOV 02						SUNSET: 1718						SUNRISE: 0645						NOV 08						SUNSET: 1713											
01	CLR	NC			5.00	64	62	63	93	0	00	29.65	30.11	01	CLR	NC			10.00	49	44	47	83	0	00	29.46	29.93	01	CLR	NC			10.00	49	44	47	83	0	00	29.46	29.93
04	CLR	NC			3.00	62	60	61	93	0	00	29.66	30.12	04	CLR	NC			10.00	46	43	45	89	0	00	29.49	29.95	04	CLR	NC			10.00	46	43	45	89	0	00	29.49	29.95
07	FEW	NC			2.50	64	63	63	96	8	23	29.67	30.14	07	CLR	NC			10.00	45	43	44	93	3	02	29.57	30.05	07	CLR	NC			10.00	45	43	44	93	3	02	29.57	30.05
10	OVC	004			1.50	67	66	66	97	10	23	29.69	30.16	10	FEW	NC			10.00	63	43	53	48	12	04	29.66	30.13	10	FEW	NC			10.00	63	43	53	48	12	04	29.66	30.13
13	BKN	035			10.00	76	66	70	72	12	22	29.64	30.10	13	BKN	250			10.00	65	43	54	45	12	02	29.66	30.13	13	BKN	250			10.00	65	43	54	45	12	02	29.66	30.13
16	BKN	040			10.00	77	65	69	66	8	25	29.60	30.06	16	SCT	NC			10.00	63	41	52	45	12	04	29.69	30.16	16	SCT	NC			10.00	63	41	52	45	12	04	29.69	30.16
19	CLR	NC			9.00	71	65	67	81	7	19	29.59	30.05	19	CLR	NC			10.00	50	39	45	66	7	05	29.78	30.26	19	CLR	NC			10.00	50	39	45	66	7	05	29.78	30.26
22	CLR	NC			7.00	66	64	65	93	6	23	29.58	30.04	22	CLR	NC			10.00	47	29	39	50	6	02	29.85	30.32	22	CLR	NC			10.00	47	29	39	50	6	02	29.85	30.32
SUNRISE: 0640						NOV 03						SUNSET: 1717						SUNRISE: 0646						NOV 09						SUNSET: 1712											
01	BKN	200			10.00	68	65	66	90	8	22	29.55	30.01	01	CLR	NC			10.00	38	30	35	73	0	00	29.87	30.35	01	CLR	NC			10.00	38	30	35	73	0	00	29.87	30.35
04	BKN	035			10.00	69	66	67	90	9	24	29.54	30.00	04	CLR	NC			10.00	35	31	33	85	0	00	29.91	30.39	04	CLR	NC			10.00	35	31	33	85	0	00	29.91	30.39
07	OVC	055			7.00	68	66	67	93	6	23	29.58	30.04	07	FEW	NC			10.00	32	30	31	92	0	00	29.97	30.46	07	FEW	NC			10.00	32	30	31	92	0	00	29.97	30.46
10	OVC	045			3.00	69	68	68	96	3	25	29.61	30.07	10	FEW	NC			10.00	48	25	39	41	8	04	30.01	30.49	10	FEW	NC			10.00	48	25	39	41	8	04	30.01	30.49
13	OVC	080			10.00	77	64	69	64	5	09	29.59	30.05	13	FEW	NC			10.00	52	24	41	34	5	VR	29.97	30.45	13	FEW	NC			10.00	52	24	41	34	5	VR	29.97	30.45
16	OVC	050			10.00	72	61	65	69	9	04	29.61	30.08	16	FEW	NC			10.00	54	23	41	30	5	VR	29.95	30.44	16	FEW	NC			10.00	54	23	41	30	5	VR	29.95	30.44
19	OVC	060			10.00	67	51	58	57	10	07	29.67	30.14	19	CLR	NC			10.00	43	30	38	60	0	00	29.98	30.47	19	CLR	NC			10.00	43	30	38	60	0	00	29.98	30.47
22	OVC	034			10.00	64	51	57	63	10	09	29.68	30.14	22	CLR	NC			10.00	36	31	34	82	0	00	30.02	30.51	22	CLR	NC			10.00	36	31	34	82	0	00	30.02	30.51
SUNRISE: 0641						NOV 04						SUNSET: 1716						SUNRISE: 0647						NOV 10						SUNSET: 1711											
01	OVC	028			10.00	61	45	53	56	10	09	29.65	30.11	01	CLR	NC			10.00	35	29	33	78	0	00	30.04	30.52	01	CLR	NC			10.00	35	29	33	78	0	00	30.04	30.52
04	OVC	024			3.00	52	50	51	93	0	00	29.62	30.08	04	CLR	NC			10.00	31	29	30	92	0	00	30.05	30.53	04	CLR	NC			10.00	31	29	30	92	0	00	30.05	30.53
07	OVC	022			10.00	53	50	51	89	7	09	29.56	30.03	07	CLR	NC			10.00	30	29	30	96	0	00	30.08	30.58	07	CLR	NC			10.00	30	29	30	96	0	00	30.08	30.58
10	OVC	004			1.75	55	54	54	96	6	12	29.52	29.98	10	FEW	NC			10.00	49	30	41	48	6	14	30.12	30.60	10	FEW	NC			10.00	49	30	41	48	6	14	30.12	30.60
13	OVC	002			0.50	57	56	56	96	5	13	29.39	29.86	13	SCT	NC			10.00	55	29	44	37	7	VR	30.07	30.55	13	SCT	NC			10.00	55	29	44	37	7	VR	30.07	30.55
16	OVC	020			1.50	62	61	61	96	8	16	29.27	29.74	16	BKN	250			10.00	55	29	44	37	5	13	30.02	30.51	16	BKN	250			10.00	55	29	44	37	5	13	30.02	30.51
19	OVC	005			6.00	63	62	62	97	14	30	29.29	29.76	19	SCT	NC			10.00	44	35	40	71	0	00	30.02	30.51	19	SCT	NC			10.00	44	35	40	71	0	00	30.02	30.51
22	OVC	060			10.00	58	54	56	87	8	28	29.31	29.78	22	FEW	NC			10.00	39	35	37	86	0	00	30.01	30.50	22	FEW	NC			10.00	39	35	37	86	0	00	30.01	30.50
SUNRISE: 0642						NOV 05						SUNSET: 1715						SUNRISE: 0648						NOV 11						SUNSET: 1711											
01	CLR	NC			10.00	55	46	50	72	8	29	29.34	29.81	01	BKN	250			10.00	42	34	39	73	5	12	29.97	30.45	01	BKN	250			10.00	42	34	39	73	5	12	29.97	30.45
04	CLR	NC			10.00	51	44	48	77	7	28	29.38	29.85	04	BKN	250			10.00	38	35	37	89	0	00	29.92	30.41	04	BKN	250			10.00	38	35	37	89	0	00	29.92	30.41
07	CLR	NC			10.00	49	37	43	64	6	VR	29.45	29.92	07	BKN	050			7.00	36	35	36	97	0	00	29.92	30.41	07	BKN	050			10.00	36	35	36	97	0	00	29.92	30.41
10	CLR	NC			10.00	55	30	44																																	

## OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

NOVEMBER 2004

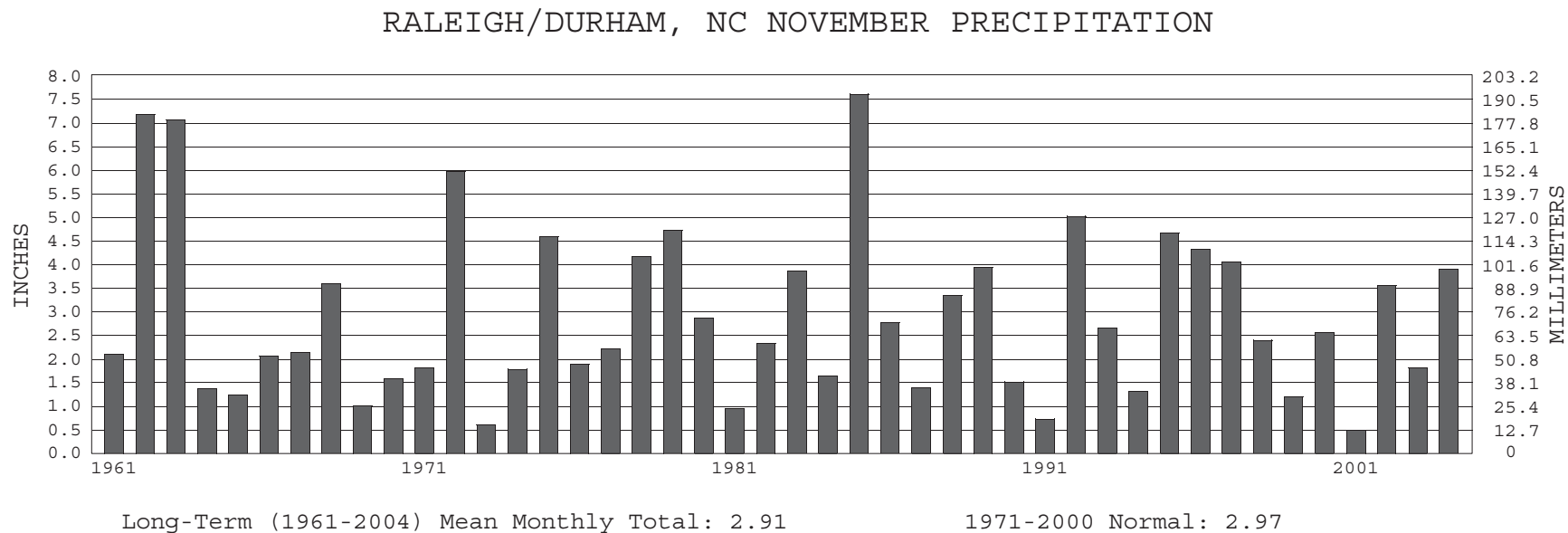
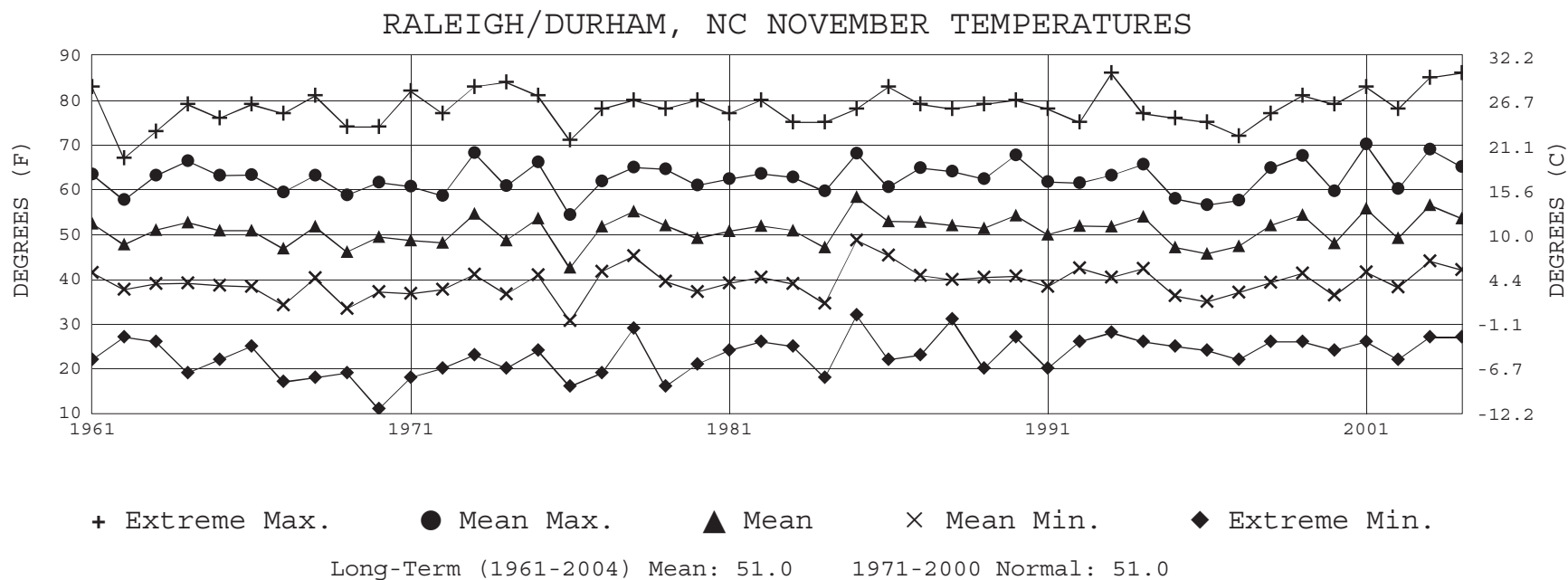
RDU

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: 0650					NOV 13	SUNSET: 1709					SUNRISE: 0656					NOV 19	SUNSET: 1705												
01	OVC	006		10.00	47	45	46	93	15	01	29.64	30.11	01	BKN	100		10.00	54	48	51	80	3	13	29.70	30.16				
04	OVC	008		10.00	46	43	45	89	13	01	29.69	30.16	04	BKN	200		10.00	50	47	48	89	0	00	29.68	30.15				
07	OVC	012		10.00	45	42	44	90	12	01	29.79	30.26	07	BKN	120		9.00	52	48	50	86	0	00	29.69	30.16				
10	OVC	013		10.00	47	43	45	86	10	03	29.87	30.35	10	OVC	130		8.00	60	52	56	75	0	00	29.71	30.18				
13	SCT	NC		10.00	54	41	48	62	15	03	29.89	30.37	13	OVC	070		10.00	71	55	62	57	5	VR	29.65	30.12				
16	SCT	NC		10.00	54	38	46	55	12	03	29.92	30.40	16	SCT	NC		10.00	72	54	61	53	5	21	29.62	30.09				
19	CLR	NC		10.00	46	32	40	58	8	04	30.00	30.48	19	BKN	050		10.00	64	55	59	73	0	00	29.65	30.12				
22	CLR	NC		10.00	42	24	35	49	10	03	30.07	30.56	22	BKN	150		10.00	60	51	55	72	5	20	29.66	30.13				
SUNRISE: 0651					NOV 14	SUNSET: 1708					SUNRISE: 0657					NOV 20	SUNSET: 1705												
01	CLR	NC		10.00	39	22	33	50	12	03	30.12	30.60	01	SCT	NC		9.00	54	50	52	87	0	00	29.65	30.11				
04	CLR	NC		10.00	36	24	32	62	8	02	30.15	30.63	04	BKN	100		8.00	56	50	53	81	3	VR	29.64	30.11				
07	CLR	NC		10.00	33	23	30	67	7	02	30.22	30.71	07	OVC	048		9.00	56	52	54	87	6	23	29.67	30.13				
10	SCT	NC		10.00	42	22	35	45	7	02	30.27	30.76	10	BKN	039		9.00	61	55	58	81	3	20	29.67	30.14				
13	SCT	NC		10.00	50	18	38	28	8	36	30.21	30.70	13	BKN	200		10.00	73	58	64	59	14	22	29.60	30.06				
16	SCT	NC		10.00	51	17	38	26	9	03	30.19	30.68	16	OVC	060		10.00	70	58	63	66	7	22	29.59	30.05				
19	CLR	NC		10.00	37	26	33	65	0	00	30.21	30.70	19	OVC	085		10.00	66	56	60	70	0	00	29.63	30.10				
22	CLR	NC		10.00	32	27	30	82	0	00	30.20	30.69	22	BKN	140		7.00	59	55	57	87	0	00	29.67	30.14				
SUNRISE: 0652					NOV 15	SUNSET: 1708					SUNRISE: 0658					NOV 21	SUNSET: 1704												
01	CLR	NC		10.00	30	27	29	88	0	00	30.18	30.68	01	BKN	070		4.00	55	54	54	96	0	00	29.68	30.14				
04	CLR	NC		10.00	28	26	27	92	0	00	30.17	30.66	04	BKN	140		3.00	53	52	52	96	0	00	29.70	30.16				
07	SCT	NC		10.00	28	26	27	92	0	00	30.16	30.66	07	BKN	110		5.00	52	51	52	97	3	35	29.74	30.21				
10	FEW	NC		10.00	48	29	40	48	3	VR	30.17	30.66	10	BKN	250		10.00	64	54	58	70	9	04	29.80	30.27				
13	BKN	250		10.00	59	24	44	26	3	VR	30.11	30.59	13	BKN	200		10.00	68	50	58	53	7	07	29.74	30.21				
16	BKN	250		10.00	60	26	45	27	3	VR	30.06	30.55	16	BKN	090		10.00	69	50	58	51	5	03	29.73	30.19				
19	BKN	250		10.00	42	33	38	71	0	00	30.05	30.55	19	OVC	110		10.00	59	52	55	78	3	07	29.75	30.22				
22	BKN	250		10.00	39	33	37	79	0	00	30.03	30.52	22	OVC	120		9.00	58	51	54	78	0	00	29.75	30.22				
SUNRISE: 0653					NOV 16	SUNSET: 1707					SUNRISE: 0659					NOV 22	SUNSET: 1704												
01	BKN	250		10.00	38	35	37	89	0	00	30.01	30.49	01	BKN	140		8.00	54	51	52	90	0	00	29.73	30.20				
04	SCT	NC		10.00	34	32	33	92	0	00	29.98	30.47	04	BKN	140		5.00	51	49	50	92	0	00	29.70	30.17				
07	BKN	200		10.00	36	34	35	93	0	00	29.97	30.46	07	OVC	100		2.00	54	52	53	93	3	16	29.71	30.18				
10	OVC	150		10.00	47	40	44	77	0	00	29.99	30.47	10	BKN	060		3.00	58	55	56	90	3	14	29.73	30.20				
13	OVC	100		10.00	55	38	47	53	3	23	29.92	30.40	13	OVC	050		6.00	62	55	58	78	7	18	29.65	30.12				
16	OVC	110		10.00	54	38	46	55	0	00	29.90	30.38	16	OVC	022		5.00	63	56	59	78	0	00	29.61	30.08				
19	BKN	090		10.00	48	40	44	74	0	00	29.89	30.38	19	OVC	020		7.00	61	55	58	81	0	00	29.61	30.08				
22	CLR	NC		10.00	41	38	40	89	0	00	29.88	30.37	22	OVC	070		6.00	60	55	57	84	0	00	29.59	30.06				
SUNRISE: 0654					NOV 17	SUNSET: 1707					SUNRISE: 0660					NOV 23	SUNSET: 1704												
01	CLR	NC		10.00	38	36	37	93	0	00	29.86	30.35	01	OVC	070		5.00	58	56	57	93	0	00	29.56	30.02				
04	OVC	080		7.00	39	38	39	96	0	00	29.85	30.32	04	OVC	030		2.50	58	57	57	97	6	14	29.52	29.98				
07	BKN	075		10.00	41	39	40	93	3	29	29.86	30.35	07	OVC	001		0.50	57	57	57	100	3	07	29.52	29.98				
10	SCT	NC		10.00	56	37	47	49	9	05	29.90	30.38	10	OVC	007		4.00	59	57	58	93	0	00	29.55	30.01				
13	SCT	NC		10.00	63	33	49	33	0	00	29.85	30.34	13	OVC	009		1.25	59	58	58	96	6	11	29.49	29.96				
16	FEW	NC		10.00	65	35	51	33	3	VR	29.83	30.31	16	OVC	007		1.50	58	56	57	93	15	12	29.48	29.95				
19	CLR	NC		10.00	48	39	44	71	0	00	29.85	30.33	19	OVC	004		3.00	57	56	56	96	7	09	29.48	29.95				
22	CLR	NC		9.00	42	38	40	85	0	00	29.85	30.32	22	OVC	002		0.50	57	57	57	100	7	12	29.49	29.96				
SUNRISE: 0655					NOV 18	SUNSET: 1706					SUNRISE: 0701					NOV 24	SUNSET: 1703												
01	OVC	060		10.00	48	42	45	80	0	00	29.82	30.29	01	VV	001		0.50	58	57	57	97	6	11	29.47	29.94				
04	OVC	050		10.00	51	42	47	71	3	21	29.79	30.26	04	VV	000		0.25	58	58	58	100	0	00	29.44	29.91				
07	OVC	050		10.00	51	42	47	71	0	00	29.82	30.30	07	VV	001		0.25	59	58	58	96	6	13	29.44	29.91				
10	OVC	037		10.00	56	46	51	70	6	24	29.81	30.29	10	OVC	003		0.75	62	61	61	96	8	16	29.41	29.88				
13	BKN	180		10.00	65	48	56	54	8	23	29.74	30.21	13	OVC	011		4.00	67	64	65	91	9	18	29.29	29.75				
16	BKN	070		10.00	65	49	56	56	8	23	29.71	30.18	16	OVC	075		10.00	71	64	67	79	12	19	29.23	29.70				
19	OVC	050		10.00	59	49	54	69	3	23	29.74	30.21	19	OVC	043		9.00	67	65	66	93	8	22	29.20	29.66				
22	BKN	150		10.00	56	48	52	75	3	17	29.74	30.21	22	OVC	130		10.00	66	57	61	73	12	22	29.14	29.60				









NOVEMBER 2004

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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