



NOVEMBER 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	72	38	55	0	44	49	10	0	BCFG	0		0.0	0.00	29.63	30.10	3.1	20	3.5	15	22	13	23	01					
02	68	40	54	-1	38	47	11	0	BR	0		0.0	0.00	29.67	30.14	3.3	02	4.5	23	03	15	03	02					
03	71	35	53	-1	37	45	12	0	BCFG	0		0.0	0.00	29.82	30.30	5.3	23	5.4	21	22	17	24	03					
04	75	43	59	5	45	52	6	0		0		0.0	0.00	29.67	30.14	9.4	22	9.9	23	23	21	22	04					
05	77	51	64	10	52	57	1	0	BR	0		0.0	0.00	29.65	30.11	7.1	22	7.4	21	22	17	23	05					
06	79	53	66	12	55	59	0	1		0		0.0	0.00	29.62	30.09	8.4	22	8.6	23	22	20	22	06					
07	76	47	62	9	45	53	3	0	FG MIFG BR	0		0.0	0.00	29.74	30.21	1.6	35	3.0	16	36	13	36	07					
08	79	41	60	7	48	54	5	0		0		0.0	0.00	29.70	30.17	3.6	22	3.8	16	23	14	23	08					
09	83*	54	69*	16	54	60	0	4	BR	0		0.0	0.00	29.54	30.00	7.9	22	7.9	24	22	21	22	09					
10	69	37	53	1	37	48	12	0	RA BR	0		0.0	0.11	29.47	29.94	4.4	30	8.0	29	29	20	31	10					
11	62	30	46	-6	26	38	19	0		0		0.0	0.00	29.72	30.20	0.9	34	2.8	15	29	12	27	11					
12	67	32	50	-2	30	41	15	0		0		0.0	0.00	29.82	30.30	3.7	18	3.8	17	15	12	21	12					
13	75	38	57	5	47	52	8	0		0		0.0	0.00	29.84	30.31	5.0	21	5.6	22	22	18	22	13					
14	79	56	68	16	56	60	0	3		0		0.0	0.00	29.80	30.27	5.5	20	6.3	17	18	14	18	14					
15	76	60	68	17	61	64	0	3	RA VCSH	0		0.0	T	29.74	30.21	7.7	20	8.2	28	23	24	22	15					
16	80	51	66	15	59	62	0	1	RA BR	0		0.0	0.14	29.58	30.04	10.0	21	12.2	30	21	25	22	16					
17	52	33	43	-8	22	35	22	0		0		0.0	0.00	29.78	30.26	4.2	35	6.2	20	36	14	34	17					
18	47	26	37	-14	17	29	28	0		0		0.0	0.00	29.90	30.38	3.3	03	3.7	17	04	15	05	18					
19	56	23*	40	-10	21	33	25	0		0		0.0	0.00	29.88	30.37	1.2	10	2.0	13	12	10	10	19					
20	58	35	47	-3	37	43	18	0	RA DZ BR	0		0.0	0.07	29.79	30.27	0.6	12	1.2	14	14	7	15	20					
21	56	49	53	4	51	52	12	0	RA DZ FG BR	0		0.0	1.72	29.26	29.72	4.8	03	6.4	32	09	28	08	21					
22	52	37	45	-4	34	41	20	0	RA DZ BR	0		0.0	0.27	29.02	29.48	8.0	31	8.7	28	29	18	29	22					
23	48	27	38	-11	21	34	27	0	RA	0		0.0	T	29.25	29.73	7.2	25	8.9	37	22	29	23	23					
24	68	42	55	7	33	44	10	0		0		0.0	0.00	29.10	29.56	10.1	23	11.5	35	23	29*	23	24					
25	45	27	36*	-12	13	29	29	0		0		0.0	0.00	29.73	30.22	4.6	02	5.9	21	36	14	02	25					
26	51	24	38	-10	22	32	27	0		0		0.0	0.00	29.85	30.33	0.7	13	1.7	9	22	8	22	26					
27	50	28	39	-9	37	39	26	0	RA FG BR	0		0.0	0.60	29.75	30.23	2.1	04	3.5	13	08	10	08	27					
28	68	48	58	11	59	60	7	0	RA FG+ BR VCSH	0		0.0	0.04	29.63	30.10	8.1	14	9.8	22	17	17	16	28					
29	68	55	62	15	60	62	3	0	RA BR	0		0.0	0.77	29.44	29.90	13.1	17	14.2	37*	17	28	17	29					
30	62	44	53	6	41	47	12	0	MIFG BCFG BR	0		0.0	0.00	29.49	29.96	2.6	01	4.1	17	01	13	02	30					
65.6 40.1 52.9 ■■										< MONTHLY AVERAGES TOTALS->				0.0	3.72	29.63	30.10	2.6	22	6.3	<- MONTHLY AVERAGES							
3.2 0.6 1.9 ■■										<-----DEPARTURE FROM NORMAL----->										0.75	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.78 DATE: 20-21				SEA LEVEL PRESSURE				DATE TIME											
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM				: 30.46											
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM				: 29.24											
HEATING: 368 -57 522 -118									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				PRECIPITATION ≥ 0.01 INCH : 8											
COOLING: 12 6 1921 402													MAXIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.10 INCH : 6											
													THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 0							

NOVEMBER 2005
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

NOVEMBER 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													03												03		0.00	
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													09												09		0.00	
10				T	0.02	0.09	T	T					10												10		0.11	
11													11												11		0.00	
12													12												12		0.00	
13													13												13		0.00	
14													14												14		0.00	
15													15	T											15		0.00	
16													16								0.02	0.12	T		16		0.14	
17													17												17		0.00	
18													18												18		0.00	
19													19												19		0.00	
20													20						T	T			0.01	0.06	20		0.07	
21	0.16	0.13	0.04	0.03	0.03	0.15	0.16	0.12	0.11	0.19	0.18	0.18	21	0.01	0.05	0.06	0.01	0.01	0.03	T	0.04	0.01	0.01	0.01	21		1.72	
22	0.03	0.05	0.01	0.10	T	0.03	0.03	0.02	T				22							T					22		0.27	
23													23							T					23		T	
24													24												24		0.00	
25													25												25		0.00	
26													26												26		0.00	
27												T	27	T	0.02	0.04	0.01	0.01	0.11	0.39	T	0.01	0.01	T	27		0.60	
28													28	T	0.03	0.01	0.16	0.01	0.02	T				T	28		0.04	
29	T	T	T					T	0.20	0.04	0.02	0.08	29	T	0.06	0.01									29		0.77	
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)	.09	.15	.18	.22	.28	.38	.44	.48	.49	.50	.52	.58
Ending Date	29	29	27	27	27	27	27	27	27	27	21	21
Ending Time (Hour/Min)	1832	1545	1807	1809	1812	1835	1841	1847	1847	1847	1129	1129

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 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							8.00	10.00	
02							5.00	10.00	
03							8.00	10.00	
04							9.00	10.00	
05							6.00	10.00	
06							7.00	10.00	
07							1.00	10.00	
08							7.00	10.00	
09							5.00	10.00	
10							4.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							7.00	10.00	
15							7.00	10.00	
16							4.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							9.00	10.00	
20							1.50	10.00	
21							.50	8.00	
22							1.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							.50	10.00	
28							.13	10.00	
29							1.00	10.00	
30							4.00	10.00	
MONTHLY AVGS							6.19	9.93	
<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

NOVEMBER 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: 0638						NOV 01	SUNSET: 1720						SUNRISE: 0644						NOV 07	SUNSET: 1714									
01	CLR	NC			10.00	45	39	42	80	0	00	29.75	30.22	01	FEW	NC			8.00	BR	60	57	58	90	7	22	29.64	30.10	
04	CLR	NC			9.00	38	37	38	97	0	00	29.70	30.16	04	FEW	NC			3.00	MIFG	56	55	55	97	0	00	29.68	30.14	
07	SCT	NC			8.00	40	37	39	89	0	00	29.71	30.18	07	FEW	NC			5.00	MIFG	52	51	52	97	0	00	29.75	30.22	
10	BKN	070			10.00	59	40	50	49	3	24	29.71	30.18	10	FEW	NC			10.00		67	47	56	49	7	32	29.80	30.27	
13	BKN	120			10.00	69	47	57	45	8	21	29.63	30.10	13	SCT	NC			10.00		74	38	55	27	8	34	29.75	30.22	
16	BKN	080			10.00	69	47	57	45	10	20	29.55	30.02	16	SCT	NC			10.00		74	31	53	21	5	03	29.73	30.19	
19	OVC	130			10.00	60	51	55	72	0	00	29.55	30.03	19	SCT	NC			9.00		59	39	49	48	0	00	29.78	30.25	
22	BKN	250			10.00	58	52	55	81	3	30	29.54	30.00	22	BKN	250			10.00		52	42	47	69	0	00	29.78	30.25	
SUNRISE: 0639						NOV 02	SUNSET: 1719						SUNRISE: 0645						NOV 08	SUNSET: 1713									
01	OVC	130			6.00	51	50	51	96	0	00	29.53	29.99	01	SCT	NC			10.00		46	41	44	83	0	00	29.76	30.23	
04	BKN	130			9.00	53	49	51	86	0	00	29.52	29.98	04	SCT	NC			10.00		44	40	42	85	0	00	29.75	30.22	
07	BKN	130			10.00	54	44	49	69	13	02	29.58	30.05	07	FEW	NC			8.00		42	40	41	92	0	00	29.75	30.23	
10	CLR	NC			10.00	58	34	47	41	15	03	29.71	30.18	10	BKN	250			10.00		64	46	54	52	8	22	29.75	30.22	
13	FEW	NC			10.00	66	31	50	27	7	VR	29.68	30.14	13	SCT	NC			10.00		75	50	61	42	8	23	29.68	30.15	
16	CLR	NC			10.00	67	30	50	25	10	03	29.69	30.16	16	BKN	250			10.00		77	52	62	42	9	22	29.64	30.11	
19	CLR	NC			10.00	52	37	45	57	0	00	29.77	30.24	19	SCT	NC			10.00		67	54	59	63	5	19	29.65	30.12	
22	CLR	NC			10.00	44	36	41	73	0	00	29.80	30.28	22	SCT	NC			9.00		62	54	58	75	0	00	29.66	30.12	
SUNRISE: 0640						NOV 03	SUNSET: 1718						SUNRISE: 0646						NOV 09	SUNSET: 1712									
01	CLR	NC			10.00	38	35	37	89	0	00	29.82	30.29	01	SCT	NC			8.00		58	53	55	84	5	23	29.63	30.10	
04	CLR	NC			10.00	37	35	36	93	0	00	29.84	30.32	04	SCT	NC			6.00	BR	55	52	53	90	0	00	29.64	30.11	
07	CLR	NC			10.00	36	35	36	97	0	00	29.87	30.35	07	SCT	NC			5.00	BR	56	52	54	87	0	00	29.63	30.09	
10	FEW	NC			10.00	59	39	49	48	10	22	29.90	30.38	10	BKN	090			8.00		69	54	60	59	9	22	29.62	30.09	
13	FEW	NC			10.00	68	33	51	27	14	22	29.85	30.32	13	BKN	250			10.00		81	56	66	42	8	22	29.53	29.99	
16	FEW	NC			10.00	69	36	53	30	13	22	29.78	30.25	16	BKN	250			10.00		82	52	64	35	15	24	29.46	29.93	
19	CLR	NC			10.00	59	39	49	48	5	18	29.77	30.24	19	BKN	250			10.00		72	55	62	55	10	22	29.46	29.92	
22	CLR	NC			10.00	50	40	45	68	5	23	29.76	30.23	22	OVC	250			10.00		70	55	61	59	15	22	29.42	29.88	
SUNRISE: 0641						NOV 04	SUNSET: 1717						SUNRISE: 0647						NOV 10	SUNSET: 1711									
01	CLR	NC			10.00	48	39	44	71	5	VR	29.73	30.20	01	BKN	250			9.00		68	55	60	63	13	22	29.34	29.80	
04	CLR	NC			10.00	44	38	41	79	6	23	29.70	30.17	04	OVC	070			10.00	-RA	67	55	60	66	7	26	29.34	29.80	
07	FEW	NC			9.00	43	38	41	82	9	23	29.69	30.17	07	OVC	035			4.00	-RA BR	62	60	61	93	5	24	29.32	29.78	
10	FEW	NC			10.00	62	45	53	54	12	22	29.71	30.18	10	FEW	NC			10.00		62	26	46	25	10	33	29.44	29.90	
13	FEW	NC			10.00	72	48	59	43	17	22	29.64	30.11	13	FEW	NC			10.00		63	27	47	26	12	35	29.46	29.92	
16	FEW	NC			10.00	74	50	60	43	10	21	29.61	30.08	16	SCT	NC			10.00		59	24	44	26	9	34	29.52	29.98	
19	FEW	NC			10.00	65	51	57	61	9	19	29.63	30.10	19	CLR	NC			10.00		50	26	40	39	5	05	29.60	30.07	
22	CLR	NC			10.00	62	51	56	67	12	22	29.64	30.11	22	CLR	NC			10.00		41	29	36	62	0	00	29.66	30.13	
SUNRISE: 0642						NOV 05	SUNSET: 1716						SUNRISE: 0648						NOV 11	SUNSET: 1711									
01	SCT	NC			10.00	55	49	52	80	5	22	29.64	30.10	01	CLR	NC			10.00		39	27	34	62	0	00	29.67	30.15	
04	SCT	NC			8.00	53	49	51	86	5	22	29.64	30.11	04	CLR	NC			10.00		34	27	31	76	0	00	29.68	30.16	
07	SCT	NC			6.00	51	49	50	92	3	24	29.67	30.14	07	CLR	NC			10.00		32	29	31	88	0	00	29.73	30.21	
10	SCT	NC			8.00	65	53	58	66	10	22	29.69	30.15	10	FEW	NC			10.00		51	30	42	45	0	00	29.77	30.25	
13	SCT	NC			10.00	75	53	62	46	14	23	29.63	30.09	13	FEW	NC			10.00		60	19	43	20	6	VR	29.71	30.18	
16	BKN	130			10.00	74	52	61	46	13	22	29.62	30.08	16	FEW	NC			10.00		61	19	44	20	8	33	29.70	30.17	
19	CLR	NC			10.00	65	54	59	68	6	16	29.63	30.10	19	CLR	NC			10.00		44	29	38	55	5	12	29.73	30.21	
22	BKN	150			9.00	61	53	57	75	5	21	29.65	30.12	22	CLR	NC			10.00		39	31	36	73	0	00	29.76	30.23	
SUNRISE: 0643						NOV 06	SUNSET: 1715						SUNRISE: 0649						NOV 12	SUNSET: 1710									
01	BKN	130			8.00	57	52	54	83	5	24	29.65	30.11	01	SCT	NC			10.00		38	33	36	83	0	00	29.77	30.24	
04	CLR	NC			8.00	55	51	53	87	0	00	29.64	30.11	04	CLR	NC			10.00		34	31	33	89	0	00	29.78	30.26	
07	FEW	NC			7.00	55	51	53	87	7	24	29.65	30.12	07	BKN	250			10.00		33	30	32	89	0	00	29.83	30.31	
10	BKN	250			10.00	67	55	60	66	10	24	29.69	30.15	10	BKN	250			10.00		55	30	44	39	3	18	29.87	30.35	
13	BKN	250			10.00	76	56	64	50	10	22	29.59	30.05	13	BKN	200			10.00		66	26	48	22	7	21	29.83	30.30	
16	BKN	250			10.00	76	57	64	52	15	22	29.56	30.03	16	FEW	NC													

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

NOVEMBER 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: 0650						NOV 13						SUNSET: 1709						SUNRISE: 0656						NOV 19						SUNSET: 1706					
01	CLR	NC			10.00	48	35	42	61	0	00	29.86	30.34	01	CLR	NC			10.00	28	21	26	75	0	00	29.87	30.36								
04	CLR	NC			10.00	40	37	39	89	0	00	29.85	30.34	04	CLR	NC			10.00	26	23	25	88	0	00	29.86	30.35								
07	FEW	NC			10.00	40	37	39	89	0	00	29.86	30.34	07	CLR	NC			10.00	25	21	24	85	0	00	29.90	30.40								
10	BKN	035			10.00	59	48	53	67	3	VR	29.88	30.37	10	CLR	NC			10.00	44	24	36	45	0	00	29.94	30.43								
13	SCT	NC			10.00	72	50	60	46	17	25	29.84	30.30	13	SCT	NC			10.00	53	17	39	24	7	03	29.87	30.36								
16	BKN	065			10.00	74	51	61	45	12	21	29.80	30.27	16	BKN	200			10.00	55	15	40	21	5	15	29.85	30.33								
19	SCT	NC			10.00	63	52	57	68	5	18	29.80	30.27	19	SCT	NC			10.00	44	23	36	43	0	00	29.85	30.34								
22	BKN	250			10.00	63	55	58	76	8	20	29.81	30.28	22	SCT	NC			10.00	37	25	33	62	0	00	29.86	30.35								
SUNRISE: 0651						NOV 14						SUNSET: 1709						SUNRISE: 0657						NOV 20						SUNSET: 1705					
01	BKN	200			9.00	59	55	57	87	6	21	29.81	30.27	01	BKN	120			10.00	36	28	33	73	0	00	29.87	30.35								
04	BKN	065			8.00	58	55	56	90	3	22	29.80	30.26	04	BKN	085			10.00	40	30	36	68	3	26	29.85	30.32								
07	OVC	100			9.00	60	56	58	86	3	18	29.83	30.29	07	BKN	026			10.00	38	31	35	76	0	00	29.84	30.32								
10	SCT	NC			10.00	69	57	62	66	7	22	29.85	30.32	10	OVC	021			10.00	50	35	43	57	0	00	29.85	30.34								
13	BKN	250			10.00	78	56	65	47	7	24	29.80	30.26	13	BKN	017			10.00	56	33	46	42	0	00	29.79	30.27								
16	BKN	250			10.00	75	56	64	52	7	16	29.76	30.23	16	OVC	046			10.00	57	40	49	53	6	15	29.76	30.23								
19	SCT	NC			10.00	68	55	60	63	5	16	29.79	30.25	19	OVC	016			10.00	54	41	48	62	0	00	29.75	30.23								
22	SCT	NC			10.00	65	57	60	76	10	18	29.81	30.27	22	OVC	008			10.00	54	45	49	72	0	00	29.72	30.19								
SUNRISE: 0652						NOV 15						SUNSET: 1708						SUNRISE: 0658						NOV 21						SUNSET: 1705					
01	BKN	250			10.00	62	59	60	90	5	20	29.79	30.25	01	OVC	005			1.25 -RA BR	50	49	49	96	0	00	29.65	30.12								
04	BKN	250			8.00	61	59	60	93	0	00	29.76	30.22	04	OVC	003			2.00 -RA BR	52	51	52	97	0	00	29.57	30.04								
07	OVC	035			9.00	63	61	62	93	6	19	29.79	30.26	07	OVC	003			0.50 RA FG	52	51	52	97	3	01	29.52	29.99								
10	BKN	090			10.00	70	61	64	73	13	21	29.79	30.26	10	OVC	004			1.50 RA BR	52	51	52	97	8	04	29.43	29.90								
13	BKN	055			10.00	72	63	66	73	9	23	29.76	30.22	13	OVC	004			2.00 -RA BR	55	53	54	93	8	03	29.24	29.71								
16	BKN	150			10.00	74	61	66	64	9	20	29.70	30.16	16	OVC	006			2.00 -RA BR	55	54	54	96	12	04	29.07	29.53								
19	BKN	090			10.00	70	59	63	68	9	17	29.69	30.16	19	OVC	006			2.00 -RA BR	54	53	53	97	7	VR	28.98	29.44								
22	BKN	070			10.00	68	62	64	81	13	18	29.69	30.16	22	OVC	006			2.00 -RA BR	50	48	49	93	10	36	28.90	29.36								
SUNRISE: 0653						NOV 16						SUNSET: 1707						SUNRISE: 0659						NOV 22						SUNSET: 1704					
01	BKN	095			10.00	65	62	63	90	8	18	29.68	30.14	01	OVC	005			3.00 -RA BR	49	48	48	97	0	00	28.80	29.26								
04	BKN	035			10.00	66	63	64	90	9	20	29.65	30.11	04	OVC	012			2.00 BR	48	45	47	89	9	34	28.81	29.27								
07	BKN	090			10.00	66	61	63	84	12	19	29.62	30.09	07	OVC	025			10.00 -RA	44	40	42	85	8	31	28.94	29.40								
10	BKN	017			10.00	71	64	67	79	15	20	29.62	30.09	10	SCT	NC				47	40	44	77	10	29	29.02	29.48								
13	BKN	035			10.00	80	61	68	52	23	21	29.52	29.98	13	BKN	050				50	31	42	48	17	30	29.02	29.48								
16	BKN	090			10.00	77	59	66	54	14	20	29.48	29.94	16	BKN	050				49	28	40	45	10	30	29.05	29.52								
19	BKN	200			10.00	74	60	65	62	12	20	29.47	29.93	19	FEW	NC				44	26	37	49	10	30	29.14	29.61								
22	OVC	029			10.00	53	48	50	83	7	35	29.59	30.06	22	CLR	NC				42	21	34	43	9	32	29.22	29.70								
SUNRISE: 0654						NOV 17						SUNSET: 1707						SUNRISE: 0660						NOV 23						SUNSET: 1704					
01	BKN	042			10.00	50	34	43	54	12	32	29.65	30.12	01	FEW	NC			10.00	36	21	31	55	7	27	29.26	29.73								
04	BKN	085			10.00	44	29	38	55	6	VR	29.69	30.16	04	CLR	NC			10.00	36	17	30	46	6	29	29.30	29.78								
07	FEW	NC			10.00	39	25	34	57	5	VR	29.76	30.23	07	CLR	NC			10.00	28	21	26	75	0	00	29.35	29.83								
10	SCT	NC			10.00	45	23	36	42	9	02	29.82	30.29	10	BKN	250			10.00	41	18	33	39	10	27	29.36	29.83								
13	FEW	NC			10.00	50	21	39	32	8	31	29.78	30.25	13	BKN	150			10.00	46	16	35	30	9	30	29.29	29.76								
16	FEW	NC			10.00	50	16	37	26	9	33	29.79	30.27	16	OVC	150			10.00	46	19	36	34	9	25	29.21	29.69								
19	CLR	NC			10.00	42	15	33	33	3	VR	29.81	30.29	19	OVC	035			10.00 -RA	44	29	38	55	15	22	29.17	29.65								
22	CLR	NC			10.00	34	16	28	48	3	01	29.86	30.35	22	OVC	130			10.00	46	28	39	50	13	22	29.12	29.59								
SUNRISE: 0655						NOV 18						SUNSET: 1706						SUNRISE: 0701						NOV 24						SUNSET: 1703					
01	CLR	NC			10.00	33	14	27	45	7	01	29.87	30.36	01	CLR	NC			10.00	45	29	38	54	14	22	29.08	29.54								
04	CLR	NC			10.00	30	17	26	59	7	02	29.89	30.38	04	FEW	NC			10.00	44	32	39	63	12	22	29.06	29.52								
07	CLR	NC			10.00	27	18	24	69	3	02	29.92	30.42	07	BKN	075			10.00	42	34	39	73	7	22	29.05	29.52								
10	CLR	NC			10.00	36	18	30	48	13	05	29.97	30.46	10	BKN	250			10.00	55	39	47	55	15	24	29.05	29.51								
13	FEW	NC			10.00	44	15	34	31	6	01	29.89	30.37	13	FEW	NC			10.00	66	34	50	31	22	24	29.00	29.46								
16	FEW	NC			10.00	46	13	35	26	5	01	29.85	30.34	16	FEW	NC			10.00	67	32	50	27	10	24	29.03	29.49								
19	CLR	NC			10.00	36	18	30	48	0	00	29.86	30.35	19	CLR	NC			10.00	59	35	48	41	6	31	29.13	29.60								
22	CLR	NC			10.00	29	20	26	69	0	00	29.87	30.36	22	FEW	NC			10.00	53	26	42	35	3	VR	29.28	29.75								

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

NOVEMBER 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		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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0701	NOV 25		SUNSET: 1703																			
01	BKN	150				42	23	35	47	9	02	29.44	29.91														
04	BKN	150				37	20	31	50	9	01	29.56	30.03														
07	BKN	150				32	15	27	50	10	03	29.70	30.18														
10	BKN	250				37	12	29	36	9	03	29.80	30.27														
13	BKN	250				42	6	31	22	7	27	29.78	30.26														
16	SCT	NC				44	0	31	16	5	33	29.78	30.26														
19	CLR	NC				35	11	28	37	3	07	29.84	30.32														
22	CLR	NC				30	16	26	56	0	00	29.86	30.35														
					SUNRISE: 0702	NOV 26		SUNSET: 1703																			
01	CLR	NC				31	17	26	56	3	10	29.85	30.33														
04	CLR	NC				27	17	24	66	0	00	29.85	30.34														
07	FEW	NC				25	19	23	78	0	00	29.87	30.37														
10	FEW	NC				39	21	33	48	6	18	29.91	30.40														
13	BKN	200				48	20	37	33	3	VR	29.84	30.32														
16	BKN	200				50	23	39	35	3	22	29.81	30.29														
19	SCT	NC				39	27	34	62	0	00	29.81	30.29														
22	BKN	200				35	28	32	76	0	00	29.83	30.31														
					SUNRISE: 0703	NOV 27		SUNSET: 1702																			
01	SCT	NC				32	27	30	82	3	09	29.82	30.30														
04	BKN	200				30	27	29	88	0	00	29.78	30.26														
07	BKN	150				30	27	29	88	0	00	29.80	30.28														
10	OVC	014				45	31	39	58	7	05	29.80	30.28														
13	OVC	045				48	40	44	74	7	05	29.73	30.21														
16	OVC	028				46	44	45	93	5	35	29.73	30.21														
19	OVC	020				45	43	44	93	5	08	29.72	30.19														
22	OVC	003				48	47	47	96	3	29	29.70	30.17														
					SUNRISE: 0704	NOV 28		SUNSET: 1702																			
01	OVC	002				49	48	48	97	6	03	29.70	30.17														
04	OVC	002				51	50	51	96	5	01	29.67	30.14														
07	VV	001				58	57	57	97	14	11	29.65	30.12														
10	OVC	004				63	62	62	97	12	14	29.68	30.15														
13	OVC	015				66	63	64	90	13	14	29.61	30.08														
16	OVC	080				68	64	66	87	10	15	29.58	30.05														
19	OVC	049				67	62	64	84	13	15	29.61	30.07														
22	OVC	029				65	62	63	90	10	15	29.59	30.05														
					SUNRISE: 0705	NOV 29		SUNSET: 1702																			
01	OVC	025				65	60	62	84	13	15	29.56	30.02														
04	BKN	050				65	59	61	81	15	15	29.51	29.97														
07	BKN	028				65	61	63	87	14	15	29.47	29.93														
10	OVC	015				65	63	64	93	18	17	29.49	29.95														
13	OVC	013				68	64	66	87	21	17	29.40	29.86														
16	OVC	014				67	65	66	93	17	17	29.35	29.82														
19	OVC	030				63	59	61	87	15	22	29.40	29.86														
22	BKN	110				60	53	56	78	9	24	29.41	29.88														
					SUNRISE: 0706	NOV 30		SUNSET: 1702																			
01	SCT	NC				56	48	52	75	3	25	29.43	29.90														
04	SCT	NC				46	45	46	96	0	00	29.44	29.91														
07	CLR	NC				46	41	44	83	3	01	29.49	29.96														
10	CLR	NC				53	40	47	61	6	VR	29.53	30.00														
13	CLR	NC				59	41	50	51	8	36	29.48	29.95														
16	CLR	NC				60	40	50	48	5	VR	29.47	29.95														
19	CLR	NC				50	41	46	71	3	01	29.51	29.98														
22	BKN	035				46	37	42	71	3	35	29.54	30.01														

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	
	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			48	40	45	76	29.63	30.10	8.76	4	2	22
02			47	40	44	78	29.63	30.10	8.65	5	1	22
03			47	40	44	79	29.63	30.10	8.42	3	1	24
04			46	40	43	81	29.63	30.10	8.25	3	1	25
05			45	40	43	82	29.63	30.10	8.49	4	1	22
06			45	40	43	84	29.64	30.11	8.25	4	1	21
07			45	40	43	84	29.65	30.13	8.35	4	1	19
08			47	41	44	81	29.67	30.14	8.69	5	1	23
09			52	41	47	69	29.68	30.15	8.53	7	2	24
10			56	40	49	58	29.68	30.15	9.05	8	3	23
11			59	40	50	51	29.67	30.15	9.12	9	4	23
12			62	39	51	47	29.65	30.12	9.60	9	4	24
13			63	39	52	44	29.62	30.09	9.50	10	5	24
14			64	39	52	44	29.60	30.07	9.43	9	6	23
15			64	39	52	43	29.59	30.06	9.59	9	5	22
16			64	39	52	44	29.59	30.06	9.33	9	4	22
17			61	39	51	47	29.59	30.06	9.52	8	4	20
18			58	40	50	54	29.60	30.07	9.43	5	4	19
19			56	41	49	60	29.61	30.08	9.27	5	3	19
20			54	41	48	65	29.61	30.08	9.23	5	2	19
21			52	41	47	67	29.62	30.09	9.35	4	3	20
22			51	41	46	70	29.63	30.10	9.35	5	3	22
23			50	41	46	73	29.63	30.10	9.07	4	2	22
24			49	41	45	75	29.63	30.10	8.88	5	2	21

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.

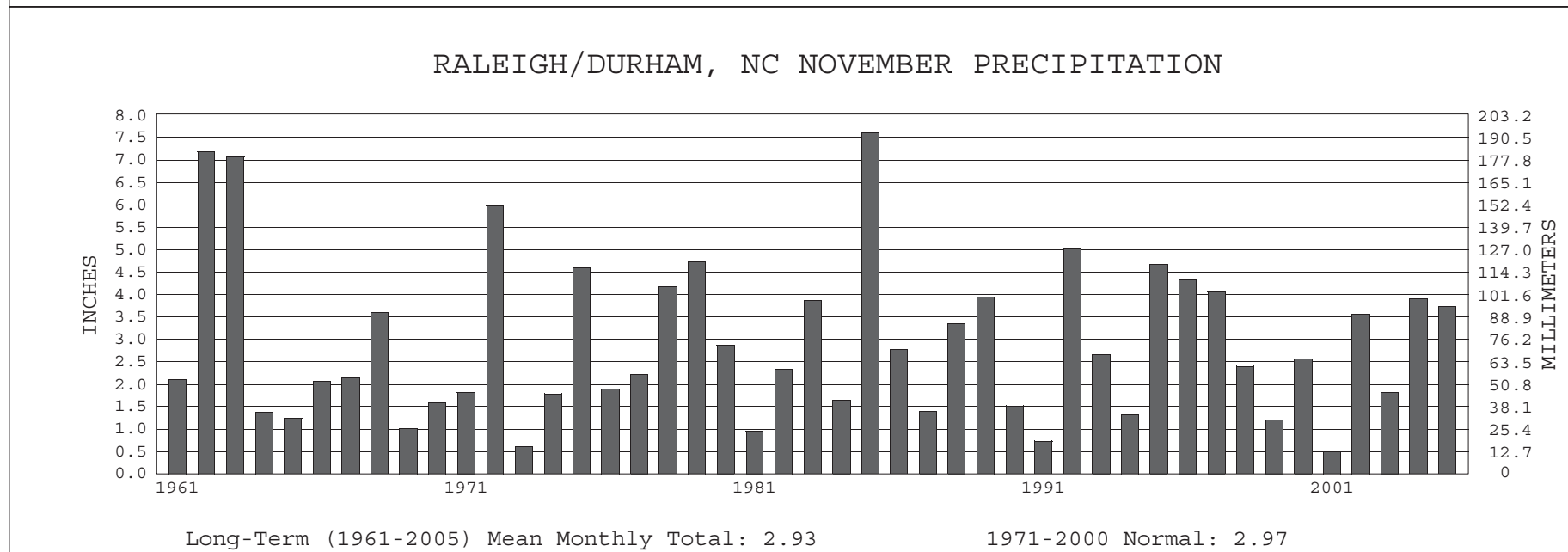
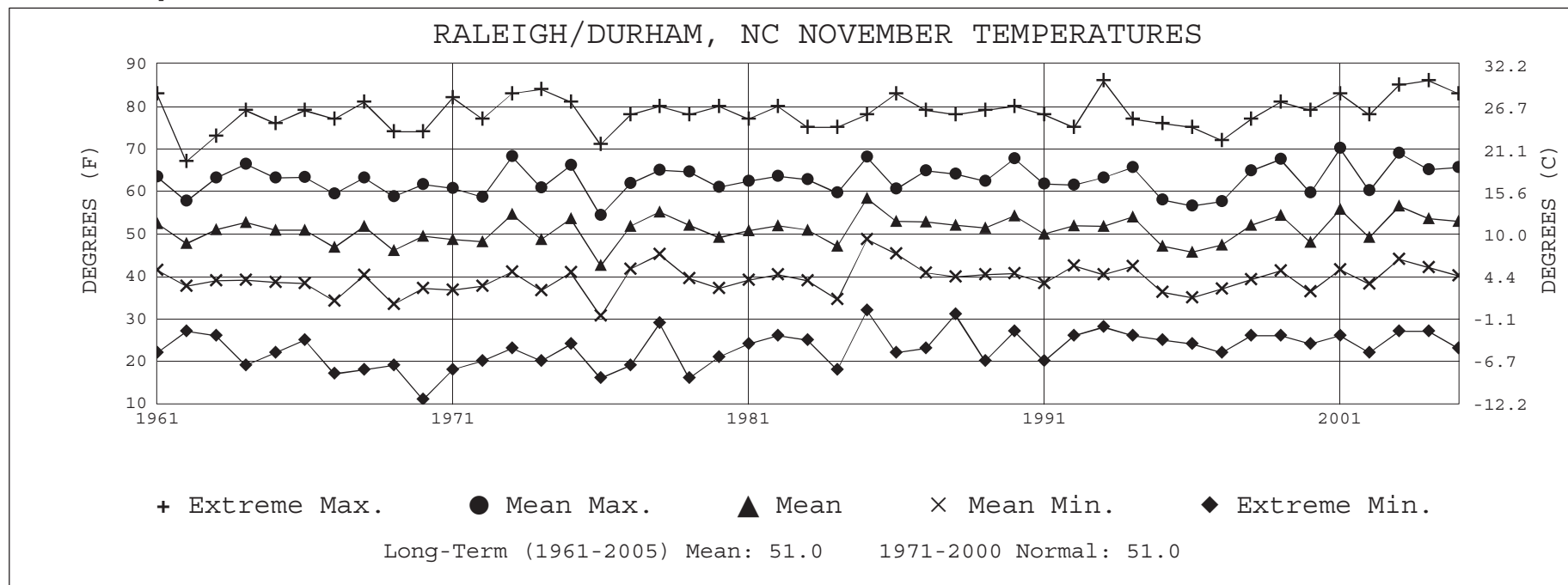
NC= No ceiling detected.

& = 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			48	40	45	76	29.63	30.10	8.76	4	2	22
02			47	40	44	78	29.63	30.10	8.65	5	1	22
03			47	40	44	79	29.63	30.10	8.42	3	1	24
04			46	40	43	81	29.63	30.10	8.25	3	1	25
05			45	40	43	82	29.63	30.10	8.49	4	1	22
06			45	40	43	84	29.64	30.11	8.25	4	1	21
07			45	40	43	84	29.65	30.13	8.35	4	1	19
08			47	41	44	81	29.67	30.14	8.69	5	1	23
09			52	41	47	69	29.68	30.15	8.53	7	2	24
10			56	40	49	58	29.68	30.15	9.05	8	3	23
11			59	40	50	51	29.67	30.15	9.12	9	4	23
12			62	39	51	47	29.65	30.12	9.60	9	4	24
13			63	39	52	44	29.62	30.09	9.50	10	5	24
14			64	39	52	44	29.60	30.07	9.43	9	6	23
15			64	39	52	43	29.59	30.06	9.59	9	5	22
16			64	39	52	44	29.59	30.06	9.33	9	4	22
17			61	39	51	47	29.59	30.06	9.52	8	4	20
18			58	40	50	54	29.60	30.07	9.43	5	4	19
19			56	41	49	60	29.61	30.08	9.27	5	3	19
20			54	41	48	65	29.61	30.08	9.23	5	2	19
21			52	41	47	67	29.62	30.09	9.35	4	3	20
22			51	41	46	70	29.63	30.10	9.35	5	3	22
23			50	41	46	73	29.63	30.10	9.07	4	2	22
24			49	41	45	75	29.63	30.10	8.88	5	2	21





NOVEMBER 2005

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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