



NOVEMBER 2003

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	82	46	64	9	53	56	1	0	BR	0		0.0	0.00	29.78	30.26	0.5	36	1.8	9	03	8	03	01	
02	81	48	65	10	53	57	0	0	MIFG BR	0		0.0	0.00	29.75	30.22	0.5	10	.6	12	12	7	12	02	
03	79	47	63	9	57	59	2	0	MIFG BR	0		0.0	0.00	29.72	30.18	1.1	11	1.5	10	16	8	17	03	
04	76	54	65	11	66	66	0	0	DZ BR	0		0.0	T	29.66	30.13	1.5	17	1.7	13	17	9	18	04	
05	85*	65	75*	21	71	72	0	10	RA FG+ BR	0		0.0	T	29.66	30.12	6.2	21	6.5	20	23	17	23	05	
06	83	65	74	20	68	70	0	9	RA DZ BR	0		0.0	0.30	29.59	30.05	6.4	22	6.9	18	24	16	24	06	
07	73	61	67	14	61	63	0	2	RA MIFG BR	0		0.0	0.01	29.66	30.13	3.8	04	5.5	16	06	13	05	07	
08	61	43	52	-1	44	48	13	0	RA BR	0		0.0	0.12	29.88	30.36	6.5	06	7.3	17	06	13	05	08	
09	52	38	45	-8	28	37	20	0		0		0.0	0.00	30.09	30.57	10.1	04	10.2	23	02	17	05	09	
10	58	34	46	-6	36	41	19	0		0		0.0	0.00	29.98	30.46	3.1	03	4.3	16	05	14	05	10	
11	69	36	53	1	44	48	12	0	BR	0		0.0	0.00	29.77	30.24	5.8	22	5.9	17	21	15	22	11	
12	80	54	67	15	55	60	0	2		0		0.0	0.00	29.50	29.97	14.4	23	14.4	29	24	22	24	12	
13	70	40	55	3	26	44	10	0		0		0.0	0.00	29.50	29.96	12.6	28	14.0	40*	29	26	30	13	
14	54	29	42	-10	17	33	23	0		0		0.0	0.00	29.72	30.21	5.0	28	6.2	23	31	16	26	14	
15	52	39	46	-5	30	40	19	0	RA	0		0.0	T	29.73	30.21	0.3	08	1.8	14	14	7	15	15	
16	71	48	60	9	47	53	5	0	RA	0		0.0	T	29.72	30.20	4.1	21	4.5	20	23	16	22	16	
17	75	56	66	15	57	60	0	1	RA	0		0.0	T	29.73	30.20	0.4	20	2.0	12	27	9	21	17	
18	71	57	64	13	60	62	1	0	BR HZ	0		0.0	0.00	29.66	30.13	6.7	13	7.6	21	14	16	16	18	
19	71	53	62	12	59	61	3	0	RA FG+ BR	0		0.0	0.96	29.23	29.69	8.4	19	12.6	39	24	31*	24	19	
20	64	40	52	2	36	45	13	0		0		0.0	0.00	29.49	29.96	4.0	31	4.9	22	32	14	35	20	
21	78	37	58	9	40	47	7	0		0		0.0	0.00	29.61	30.08	1.9	25	2.6	14	24	9	24	21	
22	76	41	59	10	44	49	6	0		0		0.0	0.00	29.64	30.11	0.0	00	.6	8	04	6	06	22	
23	76	40	58	9	46	51	7	0		0		0.0	0.00	29.66	30.13	3.3	17	3.5	14	17	10	16	23	
24	74	46	60	12	50	54	5	0	RA BR	0		0.0	T	29.48	29.94	6.1	21	9.8	37	23	25	22	24	
25	53	33	43	-5	26	36	22	0		0		0.0	0.00	29.66	30.14	3.3	06	5.3	20	34	14	05	25	
26	59	31	45	-3	37	41	20	0		0		0.0	0.00	29.71	30.19	0.2	35	1.1	10	26	8	21	26	
27	66	40	53	5	49	52	12	0	FG+ BR	0		0.0	0.00	29.69	30.17	3.9	16	4.4	14	15	10	17	27	
28	73	41	57	10	54	56	8	0	RA BR	0		0.0	0.42	29.33	29.79	10.7	23	13.1	32	26	24	26	28	
29	48	32	40*	-7	20	32	25	0		0		0.0	0.00	29.61	30.09	9.5	28	9.9	33	27	23	27	29	
30	61	27*	44	-3	25	36	21	0		0		0.0	0.00	29.68	30.16	7.6	23	7.7	18	23	15	23	30	
< MONTHLY AVERAGES										TOTALS-->			0.0	1.81	29.66	30.13	2.1	23	6.0	<- MONTHLY AVERAGES				
6.6										<-----DEPARTURE FROM NORMAL----->				-1.16	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.96 DATE: 19					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE:					MAXIMUM										
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:					MINIMUM										
HEATING: 274 -151									NUMBER OF DAYS WITH →					PRECIPITATION ≥ 0.01 INCH : 5										
COOLING: 24 18									MAXIMUM TEMP ≥ 90: 0					PRECIPITATION ≥ 0.10 INCH : 4										
									MAXIMUM TEMP ≤ 32 : 0					THUNDERSTORMS : 0										
									MINIMUM TEMP ≤ 32 : 4					MINIMUM TEMP ≤ 0 : 0										
									HEAVY FOG : 3					SNOWFALL ≥ 1.0 INCH : 0										

NOVEMBER 2003
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

NOVEMBER 2003

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	T											04			T
05													05								T	T	T		05			T
06													06												06			0.30
07				T								T	07					T	0.12	0.12	0.05		0.01	0.01	07			0.01
08				0.01	0.02	0.03	0.03	0.01	0.02	T	T		08						T	T	T	0.01	T		08			0.12
09													09												09			0.00
10													10												10			0.00
11													11												11			0.00
12													12												12			0.00
13													13												13			0.00
14													14												14			0.00
15													15	T	T									T	15			0.00
16													16												16			T
17	T												17											T	17			T
18		T		T			T						18												18			0.00
19									0.01	0.01	T		19	0.08	0.09	0.09	0.08	0.06	0.05	0.05	0.03	0.04	0.02		19	0.61		0.96
20													20												20			0.00
21													21												21			0.00
22													22												22			0.00
23													23												23			0.00
24													24				T	T	T		T	T			24			T
25													25												25			0.00
26													26												26			0.00
27													27												27			0.00
28													28		T	0.15	0.06	0.07	0.12	0.02				28			0.42	
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)	.06	.11	.15	.16	.18	.20	.22	.25	.29	.29	.29	.32
Ending Date	06	06	06	06	06	06	06	06	06	06	06	28
Ending Time (Hour/Min)	1848	1852	1854	1856	1907	1919	1936	2001	2020	2020	2020	1728

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 2003

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							5.00	10.00	
02							4.00	10.00	
03							4.00	10.00	
04							2.00	10.00	
05							.25	10.00	
06							.50	10.00	
07							2.00	10.00	
08							3.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							5.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							3.00	10.00	
19							.13	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							7.00	10.00	
24							3.00	10.00	
25							10.00	10.00	
26							8.00	10.00	
27							.00	10.00	
28							2.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.44	10.00	

SUNSHINE (MINUTES)

 Total: Possible:
 Percent Possible:

NUMBER OF DAYS WITH:
SKY CONDITION
 CLR PTLY CLDY CLOUDY MISSING
 30
MINIMUM VISIBILITY (MILES)
 <=0.25 <=3.0 >=7.0
 2 8 16

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

NOVEMBER 2003

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: 0637						NOV 01	SUNSET: 1720						SUNRISE: 0643						NOV 07	SUNSET: 1714									
01	CLR	NC			10.00	BR	51	50	51	96	0	00	29.79	30.26	01	OVC	004			8.00	66	65	65	96	5	36	29.57	30.03	
04	FEW	NC			6.00		50	48	49	93	3	10	29.79	30.26	04	OVC	007			9.00	65	64	64	97	5	VR	29.59	30.05	
07	SCT	NC			7.00		47	47	47	100	0	00	29.81	30.28	07	BKN	130			4.00	62	62	62	100	3	01	29.64	30.10	
10	BKN	250			10.00		66	54	59	65	6	26	29.84	30.30	10	BKN	014			10.00	67	62	64	84	12	05	29.70	30.16	
13	BKN	250			10.00		78	52	63	40	6	06	29.77	30.24	13	BKN	080			10.00	71	60	64	68	7	04	29.66	30.12	
16	BKN	250			10.00	81	54	65	39	0	00	29.75	30.22	16	OVC	029			10.00	69	60	64	73	7	06	29.65	30.11		
19	CLR	NC			10.00	61	57	59	87	0	00	29.78	30.25	19	BKN	085			10.00	66	60	62	81	5	13	29.70	30.17		
22	CLR	NC			8.00	56	55	55	97	3	05	29.78	30.25	22	OVC	022			7.00	63	61	62	93	7	34	29.73	30.20		
SUNRISE: 0638						NOV 02	SUNSET: 1719						SUNRISE: 0644						NOV 08	SUNSET: 1714									
01	SCT	NC			4.00	BR	51	51	51	100	0	00	29.77	30.23	01	OVC	016			10.00	60	48	54	65	6	01	29.75	30.22	
04	FEW	NC			4.00	BR	50	50	50	100	0	00	29.75	30.21	04	OVC	012			5.00	56	53	54	90	5	01	29.78	30.25	
07	FEW	NC			5.00	BR MIFG	48	48	48	100	0	00	29.77	30.24	07	OVC	004			3.00	51	50	51	96	12	07	29.84	30.31	
10	CLR	NC			10.00		72	53	61	52	0	00	29.80	30.27	10	OVC	050			9.00	51	49	50	92	7	03	29.89	30.37	
13	FEW	NC			10.00		79	51	63	38	0	00	29.75	30.21	13	OVC	085			10.00	54	45	49	72	7	06	29.88	30.36	
16	BKN	250			10.00		80	52	63	38	0	00	29.72	30.18	16	BKN	250			10.00	55	38	47	53	9	07	29.88	30.36	
19	CLR	NC			10.00		63	57	60	81	0	00	29.74	30.22	19	CLR	NC			10.00	46	40	43	79	6	08	29.93	30.42	
22	CLR	NC			8.00		55	54	54	96	0	00	29.76	30.23	22	BKN	095			10.00	47	33	41	59	9	07	29.99	30.47	
SUNRISE: 0639						NOV 03	SUNSET: 1718						SUNRISE: 0645						NOV 09	SUNSET: 1713									
01	CLR	NC			4.00	BR	51	51	51	100	0	00	29.75	30.21	01	SCT	NC			10.00	42	30	37	62	8	03	30.02	30.50	
04	CLR	NC			4.00	BR	51	50	51	96	0	00	29.72	30.19	04	SCT	NC			10.00	39	32	36	76	10	03	30.05	30.54	
07	CLR	NC			4.00	MIFG	48	48	48	100	0	00	29.76	30.23	07	BKN	120			10.00	39	28	35	65	13	04	30.11	30.60	
10	CLR	NC			10.00		69	60	64	73	0	00	29.78	30.24	10	BKN	120			10.00	42	26	36	53	17	04	30.16	30.65	
13	FEW	NC			10.00		79	60	67	52	6	VR	29.71	30.17	13	CLR	NC			10.00	51	25	40	36	10	05	30.10	30.58	
16	CLR	NC			10.00		78	61	67	56	3	09	29.67	30.13	16	CLR	NC			10.00	51	26	41	38	13	03	30.06	30.55	
19	CLR	NC			10.00		65	61	63	87	3	09	29.68	30.15	19	CLR	NC			10.00	44	27	37	51	8	03	30.07	30.56	
22	CLR	NC			10.00		60	59	59	96	0	00	29.70	30.16	22	CLR	NC			10.00	39	31	36	73	5	02	30.09	30.58	
SUNRISE: 0640						NOV 04	SUNSET: 1717						SUNRISE: 0646						NOV 10	SUNSET: 1712									
01	CLR	NC			7.00	BR	57	57	57	100	0	00	29.67	30.14	01	SCT	NC			10.00	38	32	36	79	8	03	30.05	30.54	
04	OVC	028			7.00		60	60	60	100	0	00	29.66	30.12	04	CLR	NC			10.00	35	32	34	89	6	02	30.04	30.53	
07	BKN	020			6.00		62	61	61	96	0	00	29.67	30.14	07	FEW	NC			10.00	35	31	33	85	5	02	30.03	30.53	
10	OVC	017			10.00		73	68	70	84	0	00	29.70	30.16	10	FEW	NC			10.00	47	35	42	63	6	VR	30.05	30.54	
13	OVC	015			10.00		74	70	71	88	0	00	29.65	30.12	13	BKN	250			10.00	54	38	46	55	0	00	29.96	30.45	
16	BKN	090			10.00	76	70	72	82	8	17	29.63	30.09	16	FEW	NC			10.00	58	38	48	48	5	35	29.90	30.39		
19	CLR	NC			10.00	71	69	70	94	3	15	29.65	30.11	19	CLR	NC			10.00	48	40	44	74	0	00	29.91	30.40		
22	CLR	NC			10.00	67	67	67	100	0	00	29.67	30.13	22	CLR	NC			10.00	42	40	41	92	0	00	29.90	30.39		
SUNRISE: 0641						NOV 05	SUNSET: 1716						SUNRISE: 0647						NOV 11	SUNSET: 1711									
01	CLR	NC			8.00	BR	67	66	66	97	3	18	29.66	30.12	01	SCT	NC			10.00	40	39	40	97	0	00	29.86	30.35	
04	OVC	001			3.00		68	68	68	100	3	21	29.67	30.13	04	CLR	NC			8.00	37	37	37	100	0	00	29.84	30.32	
07	VV	001			0.25		FG	69	69	69	100	5	23	29.68	30.14	07	CLR	NC			5.00	37	37	37	100	0	00	29.85	30.32
10	OVC	007			2.50		BR	75	71	72	88	12	22	29.71	30.17	10	SCT	NC			7.00	56	49	52	77	8	23	29.85	30.32
13	BKN	060			8.00		79	71	74	77	12	22	29.66	30.11	13	OVC	070			10.00	63	44	53	50	10	22	29.77	30.24	
16	BKN	038			10.00	82	70	74	67	0	00	29.62	30.08	16	FEW	NC			10.00	68	45	56	44	12	22	29.71	30.19		
19	SCT	NC			10.00	76	75	75	97	7	19	29.64	30.10	19	CLR	NC			10.00	61	46	53	58	8	19	29.68	30.16		
22	BKN	250			8.00	72	72	72	100	7	18	29.65	30.11	22	CLR	NC			10.00	61	49	55	65	13	22	29.68	30.15		
SUNRISE: 0642						NOV 06	SUNSET: 1715						SUNRISE: 0648						NOV 12	SUNSET: 1710									
01	FEW	NC			7.00	BR	70	69	69	97	5	18	29.65	30.11	01	SCT	NC			10.00	56	49	52	77	7	24	29.64	30.11	
04	OVC	002			0.50		69	68	68	96	6	20	29.63	30.09	04	FEW	NC			10.00	55	50	52	83	8	24	29.59	30.06	
07	OVC	006			10.00		71	48	58	44	7	20	29.64	30.10	07	FEW	NC			10.00	57	51	54	81	10	23	29.58	30.04	
10	OVC	007			3.00		BR	74	71	72	91	12	22	29.64	30.10	10	BKN	250			10.00	69	55	61	61	15	23	29.58	30.04
13	BKN	028			10.00		80	70	73	71	10	23	29.56	30.02	13	BKN	250			10.00	79	57	66	47	14	22	29.49	29.95	
16	BKN	028			10.00	80	70	73	71	12	22	29.51	29.97	16	SCT	NC			10.00	79	58	66	49	21	23	29.44	29.90		
19	OVC	029			2.00	RA BR	70	67	68	90	3	32	29.55	30.01	19	FEW	NC			10.00	71	59	64	66	15	22	29.42	29.88	
22	BKN	020			9.00	68	67	67	96	3	28	29.57	30.03	22	CLR	NC			10.00	70	59	63	68	17	24	29.37	29.83		

OBSERVATIONS AT 3-HOURLY INTERVALS

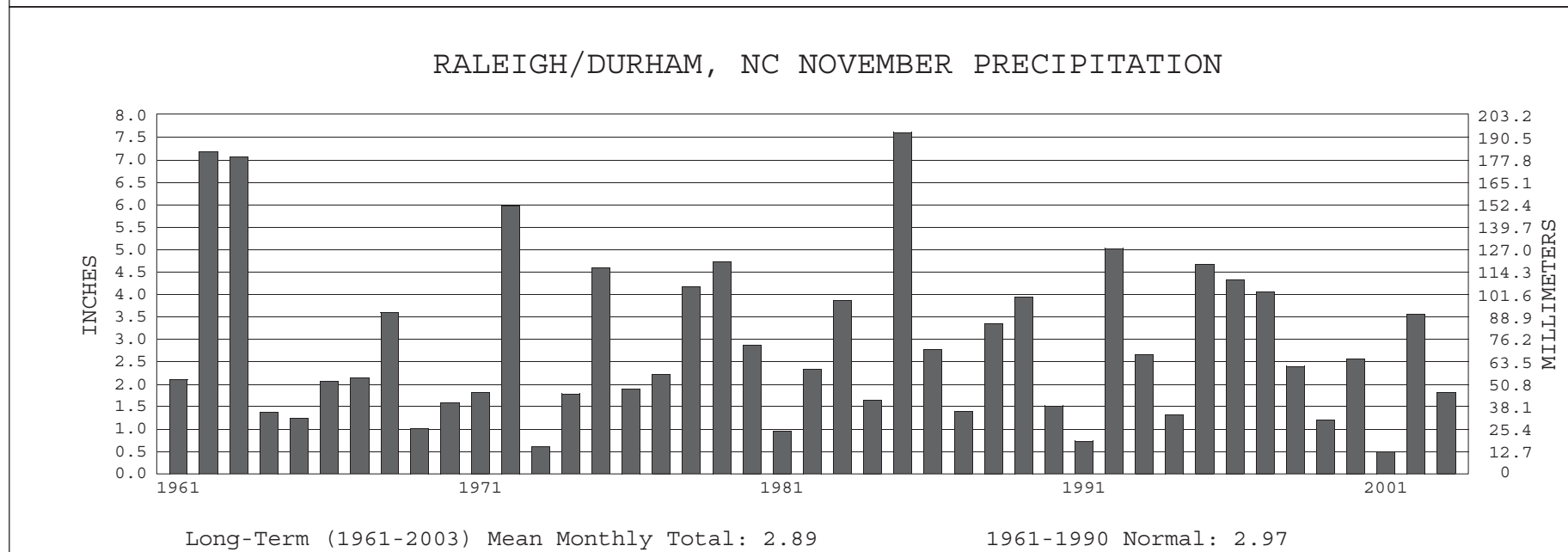
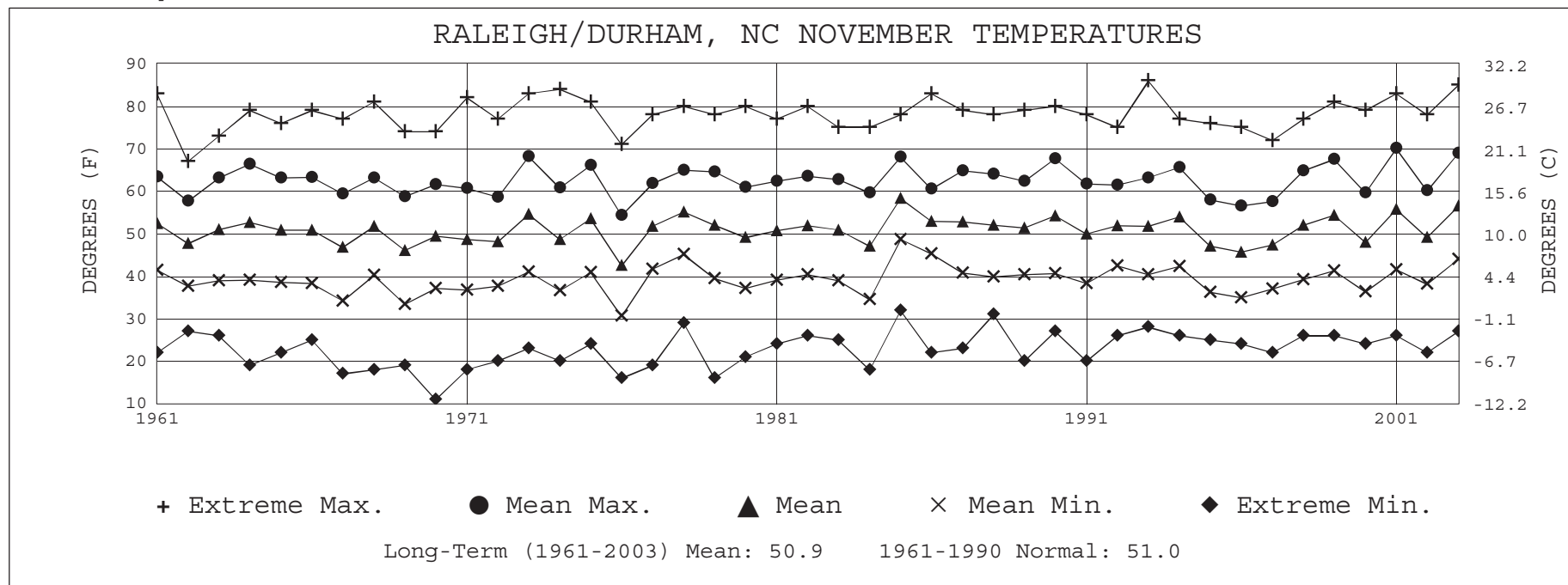
RALEIGH/DURHAM, NC

NOVEMBER 2003

RDU

WBAN # 13722

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT <small>Okta</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT <small>Okta</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0649 NOV 13						SUNSET: 1710						SUNRISE: 0655 NOV 19						SUNSET: 1706											
01	SCT	NC			10.00	69	58	62	68	16	24	29.32	29.78	01	OVC	130			10.00	66	62	64	87	8	16	29.48	29.94		
04	CLR	NC			10.00	66	59	62	78	12	25	29.31	29.77	04	BKN	130			10.00	68	62	64	81	17	16	29.38	29.85		
07	SCT	NC			10.00	63	42	52	47	16	27	29.38	29.84	07	OVC	020			10.00	70	64	66	82	20	17	29.29	29.75		
10	BKN	180			10.00	58	19	42	22	17	29	29.49	29.95	10	OVC	016			10.00	69	66	67	90	16	17	29.21	29.67		
13	SCT	NC			10.00	56	16	41	21	18	29	29.52	29.98	13	OVC	014			1.50	61	60	60	97	12	23	29.15	29.61		
16	FEW	NC			10.00	54	14	39	20	15	30	29.55	30.01	16	OVC	032			10.00	60	59	59	96	8	22	29.11	29.57		
19	CLR	NC			10.00	47	11	35	23	7	VR	29.62	30.09	19	OVC	006			8.00	59	58	58	96	6	22	29.13	29.59		
22	CLR	NC			10.00	43	11	32	27	10	31	29.67	30.14	22	OVC	110			10.00	57	47	52	69	10	30	29.20	29.66		
SUNRISE: 0650 NOV 14						SUNSET: 1709						SUNRISE: 0656 NOV 20						SUNSET: 1705											
01	CLR	NC			10.00	38	16	30	41	5	28	29.69	30.16	01	CLR	NC			10.00	53	38	46	57	12	30	29.29	29.76		
04	CLR	NC			10.00	33	17	28	52	5	25	29.69	30.16	04	CLR	NC			10.00	51	36	44	56	7	30	29.36	29.83		
07	SCT	NC			10.00	32	19	28	59	0	00	29.73	30.21	07	CLR	NC			10.00	46	37	42	71	5	27	29.45	29.92		
10	BKN	250			10.00	44	17	34	34	12	29	29.80	30.27	10	CLR	NC			10.00	56	37	47	49	7	VR	29.52	29.99		
13	OVC	180			10.00	49	15	37	26	10	29	29.74	30.22	13	CLR	NC			10.00	62	31	48	31	9	35	29.51	29.98		
16	OVC	250			10.00	51	12	37	21	9	27	29.72	30.19	16	CLR	NC			10.00	63	30	48	29	6	31	29.51	29.98		
19	CLR	NC			10.00	41	20	33	43	6	25	29.72	30.21	19	CLR	NC			10.00	48	37	43	66	0	00	29.56	30.04		
22	CLR	NC			10.00	43	18	34	37	7	26	29.73	30.20	22	CLR	NC			10.00	42	37	40	82	0	00	29.59	30.06		
SUNRISE: 0651 NOV 15						SUNSET: 1708						SUNRISE: 0657 NOV 21						SUNSET: 1705											
01	BKN	200			10.00	41	19	33	41	3	27	29.72	30.19	01	CLR	NC			10.00	40	38	39	93	0	00	29.60	30.07		
04	BKN	100			10.00	43	27	37	53	0	00	29.71	30.19	04	CLR	NC			10.00	38	37	38	97	0	00	29.61	30.08		
07	OVC	070			10.00	43	31	38	63	3	24	29.73	30.21	07	CLR	NC			10.00	39	37	38	93	0	00	29.64	30.11		
10	OVC	060			10.00	50	27	40	41	3	31	29.78	30.25	10	FEW	NC			10.00	61	43	52	52	3	27	29.66	30.14		
13	OVC	070			10.00	51	32	43	48	0	00	29.75	30.22	13	FEW	NC			10.00	75	35	55	23	8	29	29.60	30.07		
16	OVC	075			10.00	52	32	43	47	0	00	29.72	30.19	16	FEW	NC			10.00	75	39	56	27	8	24	29.58	30.04		
19	BKN	065			10.00	50	32	42	50	5	11	29.74	30.22	19	CLR	NC			10.00	56	43	49	62	0	00	29.60	30.07		
22	BKN	065			10.00	49	32	42	52	0	00	29.75	30.22	22	CLR	NC			10.00	53	43	48	69	5	18	29.61	30.08		
SUNRISE: 0652 NOV 16						SUNSET: 1708						SUNRISE: 0658 NOV 22						SUNSET: 1704											
01	OVC	110			10.00	50	41	46	71	0	00	29.74	30.21	01	CLR	NC			10.00	49	42	46	77	0	00	29.61	30.08		
04	OVC	100			10.00	51	40	46	66	0	00	29.73	30.20	04	CLR	NC			10.00	44	42	43	93	0	00	29.62	30.08		
07	OVC	100			10.00	49	43	46	80	0	00	29.76	30.23	07	FEW	NC			10.00	43	41	42	93	0	00	29.65	30.12		
10	BKN	110			10.00	58	41	50	54	3	21	29.78	30.25	10	CLR	NC			10.00	60	46	53	60	3	VR	29.68	30.15		
13	BKN	040			10.00	68	47	57	47	8	21	29.73	30.20	13	FEW	NC			10.00	72	43	56	35	0	00	29.62	30.09		
16	SCT	NC			10.00	70	54	61	57	14	21	29.68	30.15	16	SCT	NC			10.00	74	42	57	32	0	00	29.60	30.06		
19	BKN	045			10.00	66	55	60	68	6	16	29.70	30.17	19	CLR	NC			10.00	56	45	50	67	0	00	29.64	30.11		
22	BKN	085			10.00	61	56	58	84	0	00	29.71	30.18	22	CLR	NC			10.00	49	44	47	83	0	00	29.66	30.13		
SUNRISE: 0653 NOV 17						SUNSET: 1707						SUNRISE: 0659 NOV 23						SUNSET: 1704											
01	OVC	090			10.00	58	53	55	84	0	00	29.71	30.18	01	CLR	NC			10.00	46	43	45	89	0	00	29.67	30.14		
04	OVC	043			10.00	57	53	55	87	0	00	29.71	30.18	04	CLR	NC			10.00	43	42	43	97	0	00	29.67	30.14		
07	OVC	080			7.00	56	54	55	93	0	00	29.73	30.20	07	FEW	NC			7.00	42	41	42	96	0	00	29.69	30.17		
10	OVC	033			8.00	60	54	57	80	0	00	29.78	30.24	10	SCT	NC			10.00	59	49	54	69	0	00	29.72	30.19		
13	BKN	250			10.00	71	57	63	61	3	VR	29.72	30.18	13	SCT	NC			10.00	74	47	59	38	8	19	29.66	30.12		
16	BKN	250			10.00	71	59	64	66	0	00	29.69	30.15	16	SCT	NC			10.00	73	46	58	38	7	18	29.64	30.11		
19	OVC	050			10.00	67	60	63	79	0	00	29.73	30.20	19	CLR	NC			10.00	61	46	53	58	6	16	29.64	30.11		
22	BKN	050			10.00	66	60	62	81	3	10	29.75	30.22	22	CLR	NC			10.00	59	48	53	67	8	17	29.61	30.07		
SUNRISE: 0654 NOV 18						SUNSET: 1706						SUNRISE: 0700 NOV 24						SUNSET: 1704											
01	BKN	060			8.00	64	59	61	84	5	13	29.74	30.20	01	CLR	NC			10.00	55	47	51	74	6	20	29.60	30.07		
04	SCT	NC			6.00	60	58	59	93	6	11	29.73	30.19	04	CLR	NC			10.00	51	47	49	86	3	15	29.56	30.02		
07	OVC	200			4.00	57	56	56	96	6	10	29.75	30.22	07	CLR	NC			4.00	49	48	48	97	5	14	29.53	30.00		
10	OVC	150			5.00	62	56	59	81	7	10	29.77	30.23	10	SCT	NC			10.00	64	57	60	78	12	20	29.53	29.99		
13	OVC	065			10.00	69	59	63	70	7	13	29.69	30.15	13	BKN	060			10.00	74	57	64	56	15	21	29.43	29.90		
16	OVC	070			10.00	70	61	64	73	7	12	29.61	30.07	16	OVC	055			10.00	71	56	62	59	12	20	29.35	29.82		
19	OVC	130			10.00	69	64	66	84	8	13	29.58	30.04	19	OVC	040			10.00	69	57	62	66	16	22	29.35	29.82		
22	BKN	130			10.00	68	64	66	87	10	16	29.54	30.00	22	OVC	036			10.00	50	36	44	59	8	33	29.47	29.94		





NOVEMBER 2003

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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