

OCTOBER 1995
 RICHMOND, VA
 R. E. BYRD INTERNATIONAL AP.

LOCAL CLIMATOLOGICAL DATA

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LATITUDE: 37° 30' N LONGITUDE: 77° 20' W ELEVATION (GROUND): 164 FEET

TIME ZONE: EASTERN ISSN # 0198-537X
 STANDARD WBAN # 13740

DATE	TEMPERATURE° F						DEG DAYS BASE 65°		SIGNIFICANT WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES				SUNSHINE		CLOUDINESS							
	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 WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM				TOTAL MINUTES	PERCENT POSSIBLE	SR-SS CEILOMETER TENTHS	MN-MN SATELLITE TENTHS			
																			5-SEC		2-MIN								
	1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
01	74	52	63	-1	56	59	2	0	F	0		0.0	0.00	29.91	30.11	0.1	27	3.0	11	24	9	22	672	95	6		3		
02	83	55	69	5	60	63	0	4	FH	0		0.0	0.00	29.79	29.99	2.9	17	3.9	13	16	10	15	644	91	0	0		0	
03	84	61	73	9	64	67	0	8	FH	0		0.0	0.00	29.74	29.93	5.8	19	6.8	20	18	17	18	560	80	1	2	0		
04	70	65	68	5	66	67	0	3	RF	0		0.0	0.85	29.70	29.90	3.4	11	6.2							8	7			
05	81	69	75	12	73	74	0	10	RF	0		0.0	0.87	29.54	29.74	10.5	17	13.0	32	18	25	18		8	9				
06	82	66	74	12	70	72	0	9		0		0.0	0.00	29.59	29.75	9.6	19	7.7	25	22	15	02	564	81	5				
07	85*	65	75*	13	68	70	0	10	RF	0		0.0	0.0	29.66	29.86	6.7	22	8.5	21	21	18	23	527	76	2		3		
08	71	51	61	0	50	55	4	0		0		0.0	0.00	29.88	30.08	6.0	1	6.6	18	01	15	01	661	96	1	0		0	
09	72	48	60	-1	49	53	5	0		0		0.0	0.00	29.97	30.18	2.6	5	4.6	15	02	9	11	678	98	0	0			
10	75	48	62	1	54	57	3	0	F	0		0.0	0.00	29.98	30.19	3.0	9	4.3	14	08	11	11	630	92	2	0	1		
11	76	54	65	5	57	60	0	0	F	0		0.0	0.00	30.00	30.21	5.2	2	5.7	18	02	13	03	457	67	0		1		
12	79	50	65	6	50	56	0	0	FH	0		0.0	0.00	30.00	30.21	1.3	5	3.1	13	12	11	12	680	100			0		
13	81	48	65	6	58	61	0	0	FH	0		0.0	0.00	29.92	30.13	3.4	18	4.3	15	20	13	23	534	78	4				
14	83	62	73	14	68	70	0	8	TRF	0		0.0	0.94	29.63	29.83	9.3	18	10.9	33	28	26	27		4	4				
15	64	51	58	-1	41	50	7	0	R	0		0.0	0.02	29.60	29.81	9.0	29	9.8	22	28	18	29	446	66	0	1	2		
16	65	37	51	-7	35	44	14	0		0		0.0	0.00	29.86	30.07	4.9	28	6.9	20	29	16	30	586	87	0				
17	66	37	52	-6	37	45	13	0		0		0.0	0.00	30.15	30.36	2.0	0	3.7	20	03	16	01	622	93	0				
18	69	40	55	-3	43	48	10	0		0		0.0	0.00	30.10	30.31	3.8	18	4.9	16	19	14	19	651	97		1			
19	74	43	59	2	50	54	6	0	H	0		0.0	0.00	30.03	30.24	2.7	13	3.5	13	12	11	10	666	100	0		0		
20	79	51	65	8	61	63	0	0	RF+H	0		0.0	0.13	29.76	29.96	8.6	13	9.3	25	12	21	14	336	51	7		7		
21	71	39	55	-2	46	50	10	0	RF	0		0.0	0.86	29.63	29.83	6.2	28	10.3	36	27	30	29	414	63	7		6		
22	68	38	53	-3	41	46	12	0		0		0.0	0.00	29.99	30.19	3.1	22	4.9	17	26	15	26	659	100	0	0	0		
23	72	40	56	0	46	50	9	0		0		0.0	0.00	30.11	30.32	3.0	17	4.1	13	16	10	17	657	100	0	0	0		
24	76	48	62	6	55	58	3	0	F	0		0.0	0.00	29.94	30.14	7.5	19	8.2	26	21	22	21	467	71	4	1	3		
25	66	45	56	1	46	51	9	0		0		0.0	0.00	29.91	30.12	4.2	1	5.8	21	04	15	04	623	95	0	1	1		
26	63	42	53	-2	45	48	12	0	F	0		0.0	0.00	29.84	30.05	1.5	3	4.4	10	02	8	18	431	66	6		3		
27	76	45	61	6	58	60	4	0	TRF+	0		0.0	1.05	29.60	29.81	8.0	17	9.3	43	25	31	27	405	63	4		4		
28	70	50	60	5	50	56	5	0	RF	0		0.0	0.37	29.48	29.68	9.1	25	10.9	29	26	22	26	399	62	3	2	4	4	
29	64	38	51	-3	38	45	14	0		0		0.0	0.00	29.87	30.08	7.7	28	8.9	28	30	22	27	591	92				0	
30	63	33*	48*	-6	38	44	17	0		0		0.0	0.00	30.15	30.36	3.1	21	4.7	13	29	10	18	555	86	0		1		
31	67	49	58	4	45	51	7	0	R	0		0.0	0.02	30.15	30.35	6.3	19	6.6	18	19	17	21	293	46	3				
											MONTHLY AVERAGES						MONTHLY AVERAGES												
73.2		49.0		61.1		2.5		52.1		56.4				29.85		30.06		2.2		20		6.6		3					
DEPARTURE 26.7		-4.0		MONTHLY DEGREE DAYS				SEASON TO DATE				TOTAL SNOWFALL: 0.0		TOTAL PRECIPITATION: 5.11		SUNSHINE TOTALS: 15408				PERCENT POSSIBLE: 74									
TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE		TOTAL DEPARTURE	
HEATING: 166		-67		194		-62		1.42		27-28		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42		GREATEST 24-HR PRECIPITATION: 1.42	
COOLING: 52		18		1563		215		0.0		0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0		GREATEST SNOW DEPTH: 0	
NUMBER OF DAYS WITH -->		CLEAR		PARTLY CLOUDY		CLOUDY		MAXIMUM TEMP ≥ 90 : 0		MINIMUM TEMP ≤ 32 : 0		MAXIMUM TEMP ≥ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.01 INCH : 9		PRECIPITATION ≥ 0.10 INCH : 7		PRECIPITATION ≥ 0.10 INCH : 7		PRECIPITATION ≥ 0.10 INCH : 7		PRECIPITATION ≥ 0.10 INCH : 7		PRECIPITATION ≥ 0.10 INCH : 7		PRECIPITATION ≥ 0.10 INCH : 7	
8		2		1		2		2		2		2		2		2		2		2		2		2		2		2	

OCTOBER 1995
RICHMOND, VA

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCTOBER 1995
RICHMOND, VA

WBAN # 13740

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE			
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12				
01													01											01					
02	0.01												02											02	* 0.01				
03													03											03					
04													04											04	* 0.00				
05		0.04	0.18	0.26	0.12	T	0.01					0.01	05	0.05	T	T	T			T	0.20	T		05					
06													06											06					
07													07			T								07					
08													08											08					
09													09											09					
10													10											10					
11													11											11					
12													12											12					
13													13											13					
14			T	T	0.01	0.01	0.01	0.02	0.06				14				0.01		0.41	0.29	0.05	0.01	0.05	14	* 0.93				
15	0.02	T	0.01	T									15											15	* 0.03				
16													16											16					
17													17											17					
18													18											18					
19													19		T								T	0.12	19				
20													20											20	* 0.12				
21	0.03	0.38	0.22	0.09	0.07	0.01	0.03	0.03	T				21	0.01										21	* 0.87				
22													22											22					
23													23											23					
24													24											24					
25													25											25					
26													26											26					
27						0.01							27			T							0.73	0.03	0.02	T	0.27	27	* 1.06
28	0.14	0.16	0.06	T	T	0.01							28			T											28		
29													29															29	
30													30															30	
31													31										T	0.01	0.01	T		31	

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* The sum of the hourly totals follows the * when it disagrees with the daily total on page 1. NWS does not edit ASOS hourly precipitation but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

MAXIMUM SHORT DURATION PRECIPITATION (MSDP) **

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

** NCDC derives MSDP data from one-minute ASOS data. The MSDP data are not printed when inconsistent with ASOS hourly totals.

The time indicated is the ending time of the interval.
Date and time are not entered for trace amounts.

REFERENCE NOTES :

WFO = WEATHER FORECAST OFFICE.
 ASOS = AUTOMATED SURFACE OBSERVING SYSTEM.
 * = EXTREME FOR THE MONTH (LAST OCCURRENCE IF MORE THAN ONE).
 T = TRACE PRECIPITATION AMOUNT.
 + = ALSO OCCURS ON EARLIER DATES.
 F+ = HEAVY FOG, VISIBILITY .25 MILES OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
 THE HEATING DEGREE DAY SEASON BEGINS JULY 1.
 THE COOLING DEGREE DAY SEASON BEGINS JANUARY 1.
 CEILOMETER (30-SECOND) DATA ARE USED TO DERIVE CLOUDINESS AT OR BELOW 12,000 FEET. THIS CLOUDINESS IS THE MEAN CLOUD COVER DETECTED DURING THE TIME INTERVAL (HOUR, SUNRISE TO SUNSET, OR MIDNIGHT TO MIDNIGHT).
 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. 50 x 50 KM).
 SKY CONDITION IS BASED ON THE SUM (NOT TO EXCEED 10) 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 - 3 TENTHS, PARTLY CLOUDY = 4 - 7 TENTHS, AND CLOUDY = 8 - 10 TENTHS.
 RESULTANT WIND IS THE VECTOR SUM OF THE WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS.
 WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. '00' INDICATES CALM.
 SR-SS = SUNRISE TO SUNSET. MN-MN = MIDNIGHT TO MIDNIGHT.
 SNOWFALL IS FOR THE 24-HOUR PERIOD ENDING AT THE TIME INDICATED IN COLUMN HEADING.
 * WATER EQUIVALENT OF SNOW ON THE GROUND IS REPORTED ONLY WHEN THE DEPTH IS 2 OR MORE INCHES.
 H, F, F+, P-, R, S, AND ZR ARE REPORTED FROM ASOS AUTOMATED SENSORS. OTHER WEATHER TYPES MAY BE ADDED TO THE REPORT BY STATION PERSONNEL OR BE PROVIDED BY THE WEATHER FORECAST OFFICE (WFO).

A HAIL	GL GLAZE	SG SNOW GRAINS
BD BLOWING DUST	H HAZE	SP SNOW PELLETS
BN BLOWING SAND	IC ICE CRYSTALS	T THUNDER
BS BLOWING SNOW	IF ICE FOG	V VOLCANIC ASH
BY BLOWING SPRAY	IP ICE PELLETS	ZL FREEZING DRIZZLE
D DUST	K SMOKE	ZR FREEZING RAIN
F FOG	L DRIZZLE	& TORNADO
F+ HEAVY FOG	P- UNKN. PRECIP.	&C FUNNEL CLOUD
GF GROUND FOG	R RAIN	&W WATERSPOUT
	S SNOW	

NORMALS ARE FOR THE YEARS 1961 - 1990.
 A HEATING (COOLING) DEGREE DAY IS THE DEFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 °F.
 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 THE MOISTURE CONTENT WAS INCREASED TO 100% RELATIVE HUMIDITY.

TEMPERATURE - HUMIDITY INDEX (STEADMAN, 1979)

TEMPERATURE ° F	RELATIVE HUMIDITY (PERCENT)										
	0	10	20	30	40	50	60	70	80	90	100
120	107	116	130	148							
115	103	111	120	135	151						
110	99	105	112	123	137	150					APPARENT TEMPERATURE
105	95	100	105	113	123	135	149				
100	91	95	99	104	110	120	132	144			
95	87	90	93	96	101	107	114	124	136		
90	83	85	87	90	93	96	100	106	113	122	
85	78	80	82	84	86	88	90	93	97	102	108
80	73	75	77	78	79	81	82	85	86	88	91
75	69	70	72	73	74	75	76	77	78	79	80
70	64	65	66	67	68	69	70	70	71	71	72

WIND CHILL EQUIVALENT TEMPERATURE (SIPLE & PASSEL, 1945)

TEMPERATURE ° F	WIND VELOCITY (MPH)									
	4	5	10	15	20	25	30	35	40	45
45	45	43	34	29	26	23	21	20	19	18
40	40	37	26	23	19	16	13	12	11	10
35	35	32	22	16	12	8	6	4	3	2
30	30	27	16	9	4	1	-2	-4	-5	-6
25	25	22	10	2	-3	-7	-10	-12	-13	-14
20	20	16	3	-5	-10	-15	-18	-20	-21	-22
15	15	11	-3	-11	-17	-22	-25	-27	-29	-30
10	10	6	-9	-18	-24	-29	-33	-35	-37	-38
5	5	0	-15	-25	-31	-36	-41	-43	-45	-46
0	0	-5	-22	-31	-39	-44	-49	-52	-53	-54
-5	-5	-10	-27	-38	-46	-51	-56	-58	-60	-62
-10	-10	-15	-34	-45	-53	-59	-64	-67	-69	-70
-15	-15	-21	-40	-51	-60	-66	-71	-74	-76	-78
-20	-20	-26	-46	-58	-67	-74	-79	-82	-84	-85
-25	-25	-31	-52	-65	-74	-81	-86	-89	-92	-93
-30	-30	-36	-58	-72	-81	-88	-93	-97	-100	-102

ADDITIONAL INFORMATION :

SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION, (MSDP), PG 7, MISSING DUE TO NON RECEIPT OF CHARTS, DAYS 1 THRU 20.

OBSERVATIONS AT 3-HOURLY INTERVALS

OCTOBER 1995 WBAN # 13740
RICHMOND, VA

HOUR (LST)	12K		SATELLITE > 12K FT			VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	12K		SATELLITE > 12K FT			VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F				WIND		PRESSURE (INCHES, HG)			
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
					LOWEST																HIGHEST											LOWEST	HIGHEST
SUNRISE: 0627 OCT 25 SUNSET: 1720																SUNRISE: 0633 OCT 31 SUNSET: 1713																	
01	2	NC				10.00		65	59	62	81	7	27	29.85	30.05	01		100	0000	9	300	380	10.00		52	42	47	69	7	20	30.14	30.36	
04	4	75				10.00		56	52	54	87	5	35	29.90	30.09	04		NC					10.00		51	42	47	72	5	17	30.14	30.35	
07	0	NC				10.00		52	45	49	77	8	01	29.95	30.16	07		NC					10.00		50	43	47	77	6	20	30.18	30.40	
10	0	NC	0900	0	NT	NT	10.00	59	42	51	54	9	01	29.98	30.19	10	2	NC					10.00		62	40	51	45	10	20	30.18	30.38	
13	0	NC	1200	1	150	460	10.00	63	42	52	46	5	06	29.93	30.13	13	2	NC					10.00		64	41	52	43	10	19	30.11	30.32	
16	0	NC	1500	2	150	460	10.00	63	44	53	50	6	05	29.89	30.09	16	0	NC					10.00		61	48	54	63	7	20	30.11	30.32	
19	0	NC	1800	0	NT	NT	10.00	53	47	50	80	6	02	29.90	30.10	19	0	NC					10.00		58	50	54	75	5	17	30.14	30.35	
22	4	NC	2100	0	NT	NT	10.00	50	45	48	83	0	00	29.89	30.10	22	10	80					10.00	R	56	53	54	90	0	00	30.16	30.36	
SUNRISE: 0628 OCT 26 SUNSET: 1719																HOURLY SUMMARY NOTES																	
01	0	NC	0000	0	NT	NT	10.00	45	44	45	96	7	36	29.89	30.09	CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL)																	
04	0	NC	0300	0	NT	NT	10.00	43	41	42	93	6	36	29.86	30.07	FOR CLOUDS AT OR BELOW 12,000 FEET.																	
07	5	26	0600	0	NT	NT	7.00	43	41	42	93	6	36	29.87	30.08	CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN																	
10	10	28	0900	1	130	330	10.00	52	46	49	80	0	00	29.90	30.10	SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.																	
13	8	30				10.00	60	46	53	60	3	21	29.84	30.04	NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.																		
16	0	NC				10.00	62	47	54	58	5	20	29.80	30.00	NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.																		
19	0	NC				10.00	52	48	50	86	0	00	29.80	30.01	SEE PAGE 3 FOR ADDITIONAL NOTES.																		
22	0	NC	2100	1	130	330	7.00	50	48	49	93	3	15	29.81	30.01																		
SUNRISE: 0629 OCT 27 SUNSET: 1717																SUMMARY BY HOURS																	
01	0	NC				4.00	F	46	45	46	96	3	16	29.78	29.98	AVERAGES																	
04	0	NC	0300	0	NT	NT	4.00	50	49	50	96	6	14	29.73	29.94																	PRESSURE (INCHES, HG)	
07	1	NC	0600	1	150	260	1.50	50	50	50	100	3	16	29.73	29.93	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	STATION	SEA LEVEL	WIND SPEED	SPEED	DIRECTION							
10	0	NC	0900	4	130	330	10.00	66	58	61	76	13	17	29.68	29.88	01	2	3	55	52	54	89	29.85	30.05	8.47	5	2	21					
13	7	26	1200	7	260	330	7.00	72	62	66	71	14	16	29.59	29.79	02	2	2	55	52	53	90	29.85	30.05	8.55	5	2	20					
16	2	NC				10.00	76	63	68	64	15	17	29.50	29.70	03	2	2	53	50	51	88	29.86	30.06	7.96	4	1	25						
19	5	75				10.00	73	64	67	74	12	17	29.47	29.67	04	2	2	53	49	51	90	29.86	30.07	7.89	5	1	26						
22	10	27	2100	8	150	300	7.00	64	64	64	100	0	00	29.46	29.66	05	2	2	52	49	51	90	29.87	30.08	7.59	4	1	31					
SUNRISE: 0630 OCT 28 SUNSET: 1716																HOUR (LST)																	
01	10	38	0000	10	280	380	7.00	62	61	61	97	7	17	29.45	29.65																	06	2
04	10	5	0300	10	160	300	7.00	62	61	61	97	10	25	29.39	29.59	07	2	2	53	51	50	91	29.89	30.10	6.79	5	1	28					
07	2	NC	0600	5	130	230	10.00	61	59	60	93	9	23	29.43	29.63	08	3	1	57	52	54	86	29.91	30.11	7.30	6	1	23					
10	0	NC	0900	0	NT	NT	10.00	65	57	60	76	14	25	29.46	29.66	09	3	1	61	53	57	77	29.91	30.11	8.53	7	1	21					
13	1	NC	1201	1	130	440	10.00	69	42	55	38	21	25	29.41	29.61	10	2	1	65	52	58	66	29.90	30.10	9.47	8	2	21					
16	2	NC	1500	1	200	440	10.00	66	39	52	37	9	27	29.43	29.63	11	2	1	68	51	59	58	29.89	30.09	9.70	10	2	21					
19	6	110	1800	7	180	380	10.00	61	40	51	46	9	29	29.54	29.74	12	3	2	71	53	61	56	29.85	30.08	9.68	9	4	20					
22	0	NC	2100	3	220	380	10.00	54	41	48	62	6	23	29.63	29.83	13	3	2	71	52	60	52	29.84	30.05	9.55	9	5	21					
SUNRISE: 0631 OCT 29 SUNSET: 1715																HOUR (LST)																	
01	0	NC	0001	2	150	440	10.00	49	41	45	74	8	26	29.68	29.88																	14	2
04	0	NC	0300	0	NT	NT	10.00	47	40	44	77	9	25	29.75	29.96	15	3	2	71	52	60	51	29.82	30.03	9.74	9	5	21					
07	0	NC	0600	0	NT	NT	10.00	47	39	43	74	3	31	29.80	30.01	16	2	2	71	52	60	53	29.81	30.02	10.00	9	5	20					
10	0	NC	0900	0	NT	NT	10.00	58	39	49	49	13	28	29.86	30.06	17	2	2	68	53	60	60	29.82	30.03	9.76	8	4	18					
13	4	NC	1201	0	NT	NT	10.00	63	39	51	41	14	28	29.84	30.05	18	2	2	64	54	59	72	29.83	30.04	9.68	6	3	16					
16	NC					10.00	60	36	49	41	10	28	29.89	30.09	19	2	2	62	54	58	77	29.84	30.05	9.68	6	3	17						
19	NC					10.00	53	32	44	45	10	33	29.98	30.19	20	3	2	60	54	57	81	29.85	30.06	8.79	5	2	20						
22	0	NC	2100	0	NT	NT	10.00	42	36	39	79	0	00	30.05	30.25	21	3	3	59	53	56	83	29.86	30.07	8.98	4	1	19					
SUNRISE: 0632 OCT 30 SUNSET: 1714																HOUR (LST)																	
01	0	NC	0000	0	NT	NT	10.00	38	35	37	89	0	00	30.07	30.29																	22	4
04	0	NC	0300	0	NT	NT	10.00	39	36	38	89	0	00	30.11	30.31	23	4	3	57	53	55	86	29.85	30.06	9.07	4	2	20					
07	0	NC	0600	0	NT	NT	10.00	36	34	35	93	3	17	30.16	30.37	24	3	3	56	52	54	88	29.85	30.06	8.39	4	2	21					
10	0	NC	0900	0	NT	NT	10.00	56	36	47	47	6	29	30.18	30.40																		
13	0	NC				10.00	61	33	48	35	0	00	30.14	30.36																			
16	0	NC				10.00	61	39	50	44	8	18	30.14	30.35																			
19	1	NC				10.00	49	42	46	77	8	19	30.16	30.37																			
22	110					10.00	52	43	48	72	6	19	30.16	30.37																			

SUPPLEMENTARY HOURLY PRECIPITATION UNIVERSAL RAIN GAUGE (WATER EQUIVALENT IN INCHES)

OCTOBER 1995
RICHMOND, VA

LATITUDE 37° 30'N
LONGITUDE 77° 20'W

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE	DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
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													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												15	0.00	
16													16												16	0.00	
17													17												17	0.00	
18													18												18	0.00	
19													19												19	0.00	
20													20												20	0.00	
21													21												21	0.00	
22													22												22	0.00	
23													23												23	0.00	
24													24												24	0.00	
25													25												25	0.00	
26													26												26	0.00	
27													27						0.07	0.75	0.02	0.03	T	0.20	27	1.07	
28	0.16	0.14	0.05	T	T								28											28	0.35		
29													29												29	0.00	
30													30												30	0.00	
31													31							T	0.01	T	0.01	31	0.02		
MONTHLY TOTAL																								1.44			

PUBLISHED BY: NCDC, ASHEVILLE, NC.

SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION (MSDP)

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

The National Weather Service has determined that the ASOS Heated Tipping-Bucket (HTB) rain gauge may not measure water equivalent precipitation accurately during frozen precipitation events. Precipitation data from a nearby site is provided on this page to supplement the ASOS HTB data.

The time indicated is the ending time of the interval.
Date and time are not entered for trace amounts.

USCOM - NOAA - ASHEVILLE, NC 325

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Kenneth D Hagan

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