The NWS list no snowfall records on the 7th and 13th for December 1995. XMACIS has M for missing recorded on both of the above dates in the document shown below. The Wakefield Division of the NWS has 1.5 inches for the 7th and a trace for the 13th. The source of the Wakefield values for December 1995 is not certain however from the NWS records one can see most of the precipitation fell by 8AM and with a minimum temperature of 25°F the precipitation was most likely all snow.

Climatological Data for RICHMOND INTL AP, VA - December 1995

Click column heading to sort ascending, click again to sort descending.

Date	Max Temperature	Min Temperature	Avg Temperature	Avg Temperature Departure	HDD	CDD	Precipitation	Snowfall	Snow Depth
1995-12-01	64	32	48.0	2.8	17	0	0.00	0.0	0
1995-12-02	58	36	47.0	2.1	18	0	0.00	0.0	0
1995-12-03	67	28	47.5	3.0	17	0	0.00	0.0	0
1995-12-04	62	35	48.5	4.3	16	0	0.03	0.0	0
1995-12-05	50	30	40.0	-3.9	25	0	T	0.0	0
1995-12-06	50	38	44.0	0.5	21	0	0.00	0.0	0
1995-12-07	41	25	33.0	-10.2	32	0	0.15	M	M
1995-12-08	41	19	30.0	-12.9	35	0	0.00	0.0	0
1995-12-09	39	28	33.5	-9.1	31	0	**0.56**	0.0	0
1995-12-10	33	22	27.5	-14.8	37	0	0.00	0.0	0
1995-12-11	32	**13**	22.5	-19.5	42	0	0.00	0.0	0
1995-12-12	38	22	30.0	-11.7	35	0	0.00	0.0	0
1995-12-13	38	31	34.5	-7.0	30	0	T	M	M
1995-12-14	56	29	42.5	1.3	22	0	0.00	0.0	0
1995-12-15	**70**	43	56.5	15.6	8	0	0.00	0.0	0
1995-12-16	51	32	41.5	0.8	23	0	0.19	0.0	0
1995-12-17	43	26	34.5	-6.0	30	0	0.00	0.0	0
1995-12-18	39	24	31.5	-8.7	33	0	0.37	0.0	0
1995-12-19	36	32	34.0	-6.0	31	0	0.23	0.0	0
1995-12-20	36	27	31.5	-8.3	33	0	0.01	0.0	0
1995-12-21	39	20	29.5	-10.1	35	0	0.00	0.0	0
1995-12-22	40	22	31.0	-8.4	34	0	0.00	0.0	0
1995-12-23	39	21	30.0	-9.2	35	0	0.00	0.0	0
1995-12-24	39	21	30.0	-9.1	35	0	0.00	0.0	0
1995-12-25	36	17	26.5	-12.4	38	0	0.00	0.0	0
1995-12-26	37	24	30.5	-8.2	34	0	0.00	0.0	0
1995-12-27	38	18	28.0	-10.6	37	0	0.00	0.0	0
1995-12-28	40	18	29.0	-9.5	36	0	0.00	0.0	0
1995-12-29	46	22	34.0	-4.3	31	0	0.00	0.0	0
1995-12-30	55	21	38.0	-0.2	27	0	0.00	0.0	0
1995-12-31	46	30	38.0	-0.1	27	0	0.17	0.0	0
Sum	1399	806	-	-	905	0	1.71	0.0	-
Average	45.1	26.0	35.6	-5.4	-	-	-	-	0.0
Normal	50.7	31.4	41.0	-	743	1	3.26	2.1	-

LOCAL CLIMATOLOGICAL DATA

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

published by: National Climatic Data Center

LATITUDE: 37° 30′ N LONGITUDE: 77° 20′ W ELEVATION (GROUND): 164 FEET TIME ZONE: EASTERN STANDARD

ISSN # 0198-537X
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			
										0700 LST	1300 LST	2400 LST	2400 LST						MAXIMUM 5-SEC		MAXIMUM 2-MIN				SR-SS		MN-MN	
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		DEPTH	WATER EQUIV	SNOW-FALL	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	SPEED	DIR	SPEED	DIR	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER TENTHS	SATELLITE TENTHS	CEILOMETER TENTHS	SATELLITE TENTHS
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	29
01	64	32	48	3	34	43	17	0		0		0.0	0.00	29.67	29.87	13.6	21	14.6					570	97		1		
02	58	36	47	3	30	40	18	0		0		0.0	0.00	29.91	30.11	1.4	3	6.9					570	97		0		
03	67	28	48	4	35	40	17	0		0		0.0	0.00	29.93	30.14	6.8	19	7.4					583	100	0			
04	62	35	49	6	37	45	16	0	RF	0		0.0	0.03	29.87	30.07	2.9	1	5.9					385	66		3		3
05	50	30	40	-3	34	38	25	0	R	0		0.0	T	30.00	30.21	2.1	10	5.4					232	40			5	
06	50	38	44	1	31	39	21	0	H	0		0.0	0.00	29.92	30.13	2.1	33	6.0					327	56	0	8	1	7
07	41	25	33	-9	29	33	32	0	RSF				0.15	29.92	30.13	3.9	35	5.7	23	01	20	01	269	46				
08	41	19	30	-12	18	27	35	0		0		0.0	0.00	30.14	30.35	3.3	9	5.0	15	12	13	12	505	87		1	2	3
09	39	28	34	-8	30	32	31	0	RFH	0		0.0	0.56	29.88	30.09	5.8	34	7.8	16	03	14	03	20	3	8	3	7	4
10	33	22	28	-13	8	22	37	0		0		0.0	0.00	29.99	30.20	9.9	29	11.6	22	30	13	36				0		1
11	32	13*	23*	-18	1	19	42	0		0		0.0	0.00	30.08	30.30	6.9	25	7.9	25	28	21	26	538	93		2		
12	38	22	30	-11	12	26	35	0		0		0.0	0.00	30.21	30.42	0.5	13	3.8	10	30	9	26	292	51		6		
13	38	31	35	-6	26	30	30	0	RP-SF				T	30.26	30.47	3.8	6	4.6	13	04	11	04	0	0	10		10	
14	56	29	43	3	36	40	22	0	FH	0		0.0	0.00	30.03	30.24	6.0	23	7.8	23	22	20	22	261	45	6	5		6
15	70*	43	57*	17	46	52	8	0	FH	0		0.0	0.00	29.93	30.13	4.3	26	7.5	21	11	17	09	452	78	2	3	2	6
16	51	32	42	2	40	42	23	0	RF	0		0.0	0.19	29.90	30.10	5.8	1	7.4	29	36	23	36	228	40		3		4
17	43	26	35	-5	25	31	30	0	F	0		0.0	0.00	30.18	30.40	5.3	2	6.3	21	01	18	01	542	94		0		0
18	39	24	32	-7	29	32	33	0	RFH	0		0.0	0.37	30.06	30.27	0.5	13	2.8	8	32	7	32	0	0	10		9	
19	36	32	34	-5	34	34	31	0	RP-F	0		0.0	0.23	29.53	29.74	7.0	2	8.2	17	35	14	36	0	0	10	9	10	8
20	36	27	32	-7	20	27	33	0	RF	0		0.0	0.01	29.55	29.75	11.5	33	12.4	30	33	24	33	533	93	2	0		2
21	39	20	30	-9	15	25	35	0		0		0.0	0.00	29.69	29.89	8.7	28	9.8	28	30	23	29	557	97	1		1	
22	40	22	31	-7	13	25	34	0		0		0.0	0.00	29.79	30.00	5.9	31	7.1	18	30	14	30	474	82		0		0
23	39	21	30	-8	15	25	35	0		0		0.0	0.00	29.84	30.05	7.3	31	7.9	16	33	13	31	576	100	0	0	1	0
24	39	21	30	-8	15	25	35	0		0		0.0	0.00	29.83	30.03	5.3	31	6.4	22	33	18	33	556	97	1	0	3	0
25	36	17	27	-11	17	24	38	0		0		0.0	0.00	29.77	29.98	2.1	26	3.5	16	32	14	28	344	60	3	3	4	3
26	37	24	31	-7	10	24	34	0		0		0.0	0.00	29.73	29.94	9.4	30	10.2	28	28	22	31	575	100		0		1
27	38	18	28	-9	12	24	37	0		0		0.0	0.00	29.77	29.98	7.3	32	8.7	29	31	23	31	577	100		0		1
28	40	18	29	-8	16	26	36	0		0		0.0	0.00	29.98	30.19	6.1	34	7.2	20	32	15	36	564	98	1	0	1	0
29	46	22	34	-3	18	27	31	0		0		0.0	0.00	30.19	30.41	2.1	30	3.9	11	01	10	36	576	100	0	0	0	0
30	55	21	38	1	22	31	27	0		0		0.0	0.00	30.12	30.33	5.4	20	6.2	17	23	15	22	553	96	0		0	
31	46	30	38	1	33	38	27	0	RF+H	0		0.0	0.17	29.81	30.01	0.9	18	3.8	9	12	8	35	0	0	10	8	9	
	45.1	26.0	35.5	-4.6	23.8	31.8	<------- MONTHLY AVERAGES -------->							29.92	30.13	2.7	30	7.1	<- MONTHLY AVERAGES ->							2		

DEPARTURE 15.2 | -9.2

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	905	133	1719	229
COOLING:	0	0	1566	218

TOTAL SNOWFALL:
TOTAL PRECIPITATION: 1.71
PRECIP. DEPARTURE: -1.55
GREATEST 24-HR PRECIPITATION: 0.56
GREATEST 24-HR SNOWFALL:
GREATEST SNOW DEPTH:

	TOTAL	DATE
		09

SUNSHINE TOTALS: 11659 PERCENT
TOTAL POSSIBLE : 17915 POSSIBLE: 65

	WIND SPEED	WIND DIRECTION	WIND DATE
MAXIMUM 5-SECOND :	30	33	20
MAXIMUM 2-MINUTE :	24	33	20

NUMBER OF DAYS WITH —>

SKY CONDITIONS

CLEAR	PARTLY CLOUDY	CLOUDY
5	2	5

MAXIMUM TEMP ≥ 90 : 0
MAXIMUM TEMP ≤ 32 : 1
THUNDERSTORMS : 0

MINIMUM TEMP ≤ 32 : 27
MINIMUM TEMP ≤ 0 : 0
HEAVY FOG : 1

PRECIPITATION ≥ 0.01 INCH : 8
PRECIPITATION ≥ 0.10 INCH : 6
SNOWFALL ≥ 1.0 INCH : 0

<— NUMBER OF DAYS WITH

DECEMBER 1995
RICHMOND, VA

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

DECEMBER 1995 WBAN # 13740
RICHMOND, VA

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													02													02
03													03													03
04		T	0.02	T	0.01	T		T					04													04
05													05							T	T					05
06													06													06
07						0.01	0.09	0.04	T	0.01	T		07													07
08													08													08
09		T	0.04	0.10	0.07	0.14	0.18	0.03		T	T		09													09
10													10													10
11													11													11
12													12													12
13													13		T	T	T	T	T	T	T					13
14													14													14
15													15													15
16							0.01	0.08	0.09	0.01	T		16													16
17													17													17
18									T	0.01	T		18		T	0.01	T	0.03	0.04	0.06	0.02	0.02	0.09	0.04	0.05	18
19	0.05	0.02	0.02	0.01	T	T	0.01	0.01	0.01	T	0.01	T	19	0.01	T	T	0.05	0.02	T	0.01							19
20	T	0.01		T									20													20
21													21													21
22													22													22
23													23													23
24													24													24
25													25													25
26													26													26
27													27													27
28													28													28
29													29													29
30													30													30
31							T	T	0.03	0.01	0.01	T	31	0.03	0.02	0.02			0.01	0.01	T		0.01	T	0.01	31 * 0.16

PUBLISHED BY: NCDC, ASHEVILLE, NC.

* 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)	0.03	0.05	0.06	0.08	0.12	0.16	0.21	0.26	0.30	0.33	0.37	0.40
ENDED: DATE	09	09	09	09	09	09	09	09	09	09	09	09
ENDED: TIME	0618	0636	0557	0621	0634	0634	0634	0636	0658	0644	0651	0651

** 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				APPARENT		
110	99	105	112	123	137	150			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 :

OBSERVATIONS AT 3-HOURLY INTERVALS

DECEMBER 1995 WBAN # 13740
RICHMOND, VA

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0705					**DEC 01**					**SUNSET: 1652**			
01		NC	0000	4	200	260	10.00		34	26	31	73	12	18	29.87	30.08
04		NC	0300	2	180	260	10.00		35	28	32	76	14	18	29.79	30.00
07		NC	0600	2	130	130	10.00		38	32	36	79	13	18	29.74	29.95
10		NC	0900	1	200	230	10.00		50	37	44	61	15	22	29.70	29.91
13		NC	1200	0	NT	NT	10.00		61	36	49	40	22	23	29.58	29.78
16		NC					10.00		63	35	50	35	17	23	29.55	29.75
19		NC					10.00		56	37	47	49	10	21	29.58	29.78
22		NC					10.00		57	35	47	44	13	25	29.62	29.83
			SUNRISE: 0706					**DEC 02**					**SUNSET: 1652**			
01		NC					10.00		46	33	40	61	7	21	29.67	29.88
04		NC					10.00		44	33	39	65	8	15	29.73	29.93
07		NC					10.00		45	33	40	63	13	02	29.86	30.06
10		NC	0900	0	NT	NT	10.00		50	29	41	45	10	01	29.95	30.16
13		NC	1200	0	NT	NT	10.00		54	28	43	37	3	18	29.93	30.14
16		NC	1559	0	NT	NT	10.00		57	26	44	30	3	36	29.95	30.16
19		NC					10.00		46	27	38	48	7	09	30.00	30.22
22		NC	2100	0	NT	NT	10.00		39	31	36	73	3	13	30.04	30.25
			SUNRISE: 0707					**DEC 03**					**SUNSET: 1651**			
01		NC	0000	0	NT	NT	10.00		34	30	33	85	3	15	30.02	30.23
04		NC					10.00		30	28	29	92	3	31	30.00	30.21
07	0	NC	0600	0	NT	NT	10.00		29	26	28	89	3	15	30.00	30.21
10	0	NC					10.00		46	37	42	71	8	18	29.98	30.19
13	0	NC					10.00		63	43	53	48	13	20	29.85	30.06
16	0	NC	1559	0	NT	NT	10.00		65	44	54	47	13	20	29.79	30.00
19																
22																
			SUNRISE: 0708					**DEC 04**					**SUNSET: 1651**			
01		110					10.00		56	44	50	64	5	21	29.74	29.94
04		80					10.00		52	49	51	90	3	22	29.73	29.93
07		100	0600	9	260	330	10.00		52	47	50	83	6	03	29.78	29.98
10		NC	0959	8	180	230	10.00		55	44	50	67	10	01	29.85	30.06
13		NC	1200	0	NT	NT	10.00		61	28	46	29	9	01	29.87	30.07
16		NC	1559	0	NT	NT	10.00		58	27	45	31	8	03	29.89	30.09
19		NC					10.00		43	32	38	65	3	05	29.95	30.17
22	0	NC	2100	0	NT	NT	10.00		36	29	33	76	0	00	30.00	30.22
			SUNRISE: 0709					**DEC 05**					**SUNSET: 1651**			
01	0	NC	0000	2	130	260	10.00		38	25	33	60	5	02	30.05	30.26
04	0	NC	0300	6	190	300	10.00		33	27	31	79			30.07	30.27
07	0	NC	0600	7	180	300	10.00		32	27	30	82	5	03	30.11	30.31
10		NC	0900	9	230	300	10.00		40	32	37	73	7	04	30.11	30.31
13	2	NC					10.00		46	35	41	66	6	10	30.02	30.23
16	10	55					10.00		50	37	44	61	6	11	29.95	30.16
19	10	48					10.00	R	47	40	44	77	5	21	29.92	30.13
22	10	29	2100	6	130	300	10.00		47	41	44	80	5	22	29.90	30.10
			SUNRISE: 0709					**DEC 06**					**SUNSET: 1651**			
01	10	25	0000	4	130	230	10.00		47	39	43	74	6	24	29.86	30.07
04	0	NC	0300	4	180	380	10.00		44	37	41	77	8	25	29.84	30.05
07	0	NC	0600	9	300	330	7.00		42	37	40	83	8	26	29.89	30.09
10	0	NC	0900	7	220	330	10.00		48	35	42	61	15	36	29.95	30.16
13	0	NC	1200	8	260	330	10.00		49	27	40	43	8	36	29.95	30.15
16	0	NC	1500	8	210	300	10.00		47	24	38	41	6	01	29.93	30.15
19	0	NC	1800	6	190	300	10.00		42	25	35	51	3	10	29.96	30.17
22	5	120					10.00		39	29	35	67	5	02	29.95	30.16

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0710					**DEC 07**					**SUNSET: 1651**			
01	10	100					10.00		39	27	34	62	0	00	29.90	30.11
04	10	70					10.00		38	31	35	76	0	00	29.88	30.09
07	10	4					.50	SF	32	32	32	100	3	06	29.89	30.10
10		6					1.25	SF	33	32	33	96	8	02	29.92	30.13
13		80					10.00		38	32	36	79	7	35	29.89	30.09
16		NC	1559	0	NT	NT	10.00		40	28	35	62	9	31	29.89	30.09
19	0	NC	1800	0	NT	NT	10.00		36	29	33	76	5	27	29.93	30.14
22	0	NC	2100	0	NT	NT	10.00		28	25	27	89	0	00	30.00	30.21
			SUNRISE: 0711					**DEC 08**					**SUNSET: 1651**			
01	0	NC	0001	0	NT	NT	10.00		28	19	25	69	6	35	30.04	30.24
04	0	NC	0300	0	NT	NT	10.00		23	17	21	78	5	36	30.09	30.30
07	0	NC	0600	0	NT	NT	10.00		19	15	18	84	0	00	30.16	30.37
10	0	NC	0959	0	NT	NT	10.00		34	18	29	52	8	04	30.21	30.43
13		NC	1200	0	NT	NT	10.00		39	16	31	39	3	10	30.18	30.39
16		NC	1559	0	NT	NT	10.00		39	17	31	41	7	08	30.16	30.37
19	0	NC					10.00		35	21	30	57	0	00	30.20	30.41
22	9	110	2100	9	260	330	10.00		34	24	30	67	10	12	30.11	30.32
			SUNRISE: 0712					**DEC 09**					**SUNSET: 1651**			
01	10	35	0001	7	210	440	10.00		35	24	31	64	6	08	30.00	30.22
04	10	27	0300	9	260	300	5.00	RF	32	30	31	92	12	03	29.95	30.16
07	10	26	0600	9	260	330	2.50	RF	32	31	32	96	9	01	29.91	30.11
10	10	5	0900	7	230	380	10.00	R	34	30	33	85	10	34	29.88	30.09
13	10	7	1200	0	NT	NT	10.00		37	31	35	79	10	31	29.83	30.04
16	2	NC	1500	0	NT	NT	10.00		38	31	35	76	6	29	29.81	30.02
19	0	NC	1800	0	NT	NT	5.00	F	31	30	31	96	3	12	29.86	30.07
22	0	NC	2100	2	130	210	4.00	F	30	29	30	96	0	00	29.86	30.07
			SUNRISE: 0713					**DEC 10**					**SUNSET: 1651**			
01	4	NC	0001	0	NT	NT	10.00		32	22	29	67	12	31	29.90	30.11
04		NC	0300	1	210	210	10.00		28	17	25	63	10	35	29.95	30.16
07		NC	0600	0	NT	NT	10.00		22	13	20	68	7	33	30.02	30.23
10		NC	0900	0	NT	NT	10.00		25	4	20	40	14	29	30.04	30.25
13		NC	1200	0	NT	NT	10.00		29	7	23	39	14	30	29.98	30.19
16		NC	1500	0	NT	NT	10.00		30	6	23	36	14	27	29.98	30.18
19		NC	1800	0	NT	NT	10.00		26	3	20	37	12	25	30.02	30.24
22		NC					10.00		24	-1	18	33	16	27	30.00	30.22
			SUNRISE: 0713					**DEC 11**					**SUNSET: 1652**			
01		NC					10.00		22	0	17	38	10	25	30.02	30.24
04		NC					10.00		20	0	16	41	10	25	30.05	30.26
07		NC					10.00		18	2	14	49	0	00	30.09	30.31
10		NC	0900	6	260	440	10.00		26	3	20	37	7	26	30.14	30.36
13		NC	1200	4	270	440	10.00		30	-4	22	23	12	27	30.11	30.32
16		NC	1502	1	150	190	10.00		32	-6	23	19	13	28	30.05	30.26
19		NC					10.00		29	-1	22	27	5	22	30.07	30.29
22		NC					10.00		25	7	20	46	7	24	30.09	30.31
			SUNRISE: 0714					**DEC 12**					**SUNSET: 1652**			
01		NC					10.00		26	11	22	53	3	35	30.14	30.35
04		NC					10.00		27	9	22	47	5	33	30.16	30.37
07		NC	0600	5	140	330	10.00		23	13	20	65	3	11	30.20	30.42
10		NC	0900	1	260	380	10.00		33	7	26	33	0	00	30.25	30.46
13		70	1200	8	130	260	10.00		37	10	29	33	3	23	30.20	30.40
16		65	1500	8	140	230	10.00		37	12	29	36	6	17	30.20	30.41
19		60					10.00		35	15	29	44	3	09	30.23	30.44
22		60					10.00		33	17	28	52	3	10	30.25	30.47

OBSERVATIONS AT 3-HOURLY INTERVALS

DECEMBER 1995 WBAN # 13740
RICHMOND, VA

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0715					**DEC 13**			**SUNSET: 1652**					
01		55					10.00		32	19	28	59	3	12	30.25	30.47
04	10	60					10.00		32	21	28	64	0	00	30.25	30.46
07	10	50	0600	6	130	380	10.00		31	24	29	75	5	08	30.29	30.50
10	10	42	0959	9	160	260	10.00		33	24	30	70	0	00	30.30	30.52
13	10	40	1200	5	130	230	10.00		38	25	33	60	3	06	30.25	30.46
16	10	41	1559	8	140	260	2.00	SF	32	30	31	92	6	04	30.25	30.47
19	10	5					2.50	RF	32	30	31	92	5	05	30.25	30.47
22	10	3	2100	9	210	300	2.50	F	31	30	31	96	3	06	30.23	30.45
			SUNRISE: 0716					**DEC 14**			**SUNSET: 1652**					
01	1	NC	0001	8	180	300	2.50	F	31	30	31	96	5	35	30.23	30.44
04		NC	0300	7	190	260	2.50	F	30	29	30	96	3	36	30.18	30.40
07		NC	0600	9	250	330	2.50	F	30	28	29	92	0	00	30.14	30.35
10		NC	0900	4	130	260	3.00	F	37	34	36	89	6	19	30.09	30.30
13	5	100	1200	1	130	380	10.00		53	38	46	57	10	22	29.95	30.16
16	10	90	1559	6	180	330	10.00		56	41	49	57	15	23	29.90	30.11
19	0	NC					10.00		54	44	49	69	14	24	29.93	30.13
22	0	NC	2100	2	150	440	10.00		49	43	46	80	6	22	29.92	30.13
			SUNRISE: 0716					**DEC 15**			**SUNSET: 1652**					
01	0	NC	0001	7	260	330	10.00		51	45	48	80	10	26	29.91	30.12
04	0	NC	0300	7	260	380	10.00		50	45	48	83	7	26	29.92	30.12
07	0	NC	0600	6	130	380	7.00		48	44	46	86	3	23	29.93	30.14
10	0	NC					7.00		58	48	53	70	9	26	29.98	30.18
13	0	NC	1200	0	NT	NT	10.00		69	49	58	49	0	00	29.92	30.12
16	10	90	1559	8	150	300	10.00		67	47	56	49	3	28	29.90	30.10
19																
22			2100	9	260	330										
			SUNRISE: 0717					**DEC 16**			**SUNSET: 1653**					
01		47	0001	8	130	300	7.00		50	47	49	90	7	08	29.85	30.06
04		6	0300	10	270	300	5.00	F	47	45	46	93	6	07	29.79	29.99
07		2	0600	9	260	300	2.00	RF	45	44	45	96	14	36	29.77	29.98
10		8	0900	9	210	330	10.00	R	42	41	42	96	20	36	29.90	30.11
13	10	17	1200	1	130	150	10.00		45	39	42	80	14	35	29.92	30.12
16	0	NC	1559	0	NT	NT	10.00		49	39	44	69	5	36	29.95	30.15
19	0	NC					10.00		38	36	37	93	0	00	29.96	30.18
22	0	NC	2100	0	NT	NT	4.00	F	34	34	34	100	0	00	30.00	30.22
			SUNRISE: 0718					**DEC 17**			**SUNSET: 1653**					
01		NC	0001	0	NT	NT	3.50	F	32	32	32	100	5	03	30.07	30.28
04		NC	0300	0	NT	NT	4.00	F	31	31	31	100	0	00	30.12	30.34
07		NC	0600	0	NT	NT	10.00		29	25	28	85	7	35	30.18	30.39
10		NC	0959	0	NT	NT	10.00		36	26	32	67	16	01	30.25	30.47
13		NC	1200	0	NT	NT	10.00		41	23	34	49	7	07	30.20	30.41
16	0	NC	1559	0	NT	NT	10.00		42	23	35	47	9	04	30.18	30.39
19	0	NC					10.00		35	22	30	59	6	04	30.21	30.43
22	0	NC					10.00		27	23	26	85	6	12	30.20	30.42
			SUNRISE: 0718					**DEC 18**			**SUNSET: 1653**					
01	0	NC					7.00		25	21	24	85	0	00	30.20	30.42
04		NC					7.00		31	27	30	85	0	00	30.18	30.39
07		95					7.00		32	28	31	85	0	00	30.14	30.36
10	9	70					5.00	R	35	27	32	73	0	00	30.14	30.36
13	10	55					10.00		39	27	34	62	5	33	30.05	30.27
16	10	36	1559	9	190	260	7.00	R	38	30	35	73	5	18	29.98	30.20
19	10	3					2.50	RF	35	31	33	85	3	07	29.95	30.17
22	10	3	2100	9	160	260	2.00	RF	34	31	33	89	6	15	29.90	30.11

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0719					**DEC 19**			**SUNSET: 1654**					
01	10	3	0001	10	170	260	2.50	RF	35	34	35	96	0	00	29.84	30.05
04	10	3	0300	9	300	380	2.50	FP-	34	34	34	100	8	05	29.73	29.94
07	10	3	0600	10	290	340	2.50	RF	34	34	34	100	8	03	29.64	29.85
10	10	3	0900	10	300	330	2.50	RF	34	34	34	100	9	01	29.60	29.80
13	10	3	1200	10	300	330	2.50	F	35	34	35	96	10	03	29.43	29.64
16	10	5	1559	7	300	380	2.50	RF	36	35	36	96	8	33	29.33	29.54
19	10	5					2.50		34	33	34	96	8	35	29.29	29.50
22			2100	0	NT	NT										
			SUNRISE: 0719					**DEC 20**			**SUNSET: 1654**					
01		3	0001	8	180	300	2.00	R	32	31	32	96	8	34	29.30	29.51
04		9	0300	0	NT	NT	10.00		29	26	28	89	10	35	29.37	29.57
07	10	38	0600	2	140	140	10.00		28	22	26	78	14	33	29.46	29.66
10	3	NC	0900	0	NT	NT	10.00		31	22	28	69	17	32	29.57	29.78
13	1	NC	1200	0	NT	NT	10.00		35	17	29	48	15	33	29.57	29.78
16	0	NC	1559	0	NT	NT	10.00		35	16	29	46	14	33	29.61	29.82
19		NC					10.00		30	14	25	51	10	33	29.66	29.87
22	0	NC					10.00		29	14	24	53	10	29	29.69	29.90
			SUNRISE: 0720					**DEC 21**			**SUNSET: 1655**					
01	0	NC					10.00		27	14	23	58	7	25	29.70	29.91
04	0	NC					10.00		24	14	21	66	7	25	29.70	29.91
07	0	NC					10.00		23	15	21	71	8	23	29.70	29.91
10	0	NC					10.00		31	17	26	56	9	25	29.70	29.91
13	1	NC					10.00		36	16	29	44	9	31	29.64	29.85
16	0	NC	1506	0	NT	NT	10.00		37	13	29	37	17	29	29.63	29.84
19	0	NC	1806	0	NT	NT	10.00		33	14	27	46	13	30	29.68	29.89
22	0	NC	2100	0	NT	NT	10.00		31	13	25	47	13	29	29.72	29.93
			SUNRISE: 0720					**DEC 22**			**SUNSET: 1655**					
01	0	NC	0001	0	NT	NT	10.00		28	13	24	53	10	28	29.73	29.94
04	0	NC	0359	0	NT	NT	10.00		26	13	22	58	8	27	29.74	29.95
07		NC					10.00		24	13	21	63	6	31	29.77	29.98
10		NC	0959	0	NT	NT	10.00		31	13	25	47	7	27	29.83	30.03
13		NC	1200	0	NT	NT	10.00		38	13	30	36	8	31	29.79	29.99
16		NC	1500	0	NT	NT	10.00		39	13	30	34	8	28	29.77	29.98
19	0	NC	1800	0	NT	NT	10.00		31	14	26	49	9	01	29.79	30.00
22	0	NC	2100	0	NT	NT	10.00		27	15	23	61	6	36	29.85	30.06
			SUNRISE: 0721					**DEC 23**			**SUNSET: 1656**					
01	0	NC	0001	0	NT	NT	10.00		25	15	22	66	8	32	29.87	30.08
04	0	NC	0300	0	NT	NT	10.00		25	14	22	63	7	29	29.85	30.06
07	0	NC	0659	0	NT	NT	10.00		23	14	20	68	7	29	29.87	30.08
10	0	NC	0900	0	NT	NT	10.00		32	16	27	52	9	30	29.88	30.09
13	0	NC	1200	0	NT	NT	10.00		37	16	30	42	8	32	29.83	30.04
16	0	NC	1500	0	NT	NT	10.00		37	15	30	41	9	27	29.80	30.01
19	0	NC					10.00		32	14	26	47	6	31	29.82	30.03
22	10	55	2100	0	NT	NT	10.00		30	16	26	56	9	31	29.82	30.03
			SUNRISE: 0721					**DEC 24**			**SUNSET: 1656**					
01	10	55	0001	1	150	180	10.00		29	12	24	49	10	30	29.83	30.03
04	10	60	0300	1	150	180	10.00		28	13	24	53	7	29	29.82	30.03
07	10	70	0659	1	130	150	10.00		26	13	22	58	7	30	29.83	30.04
10	0	NC					10.00		32	14	26	47	8	33	29.86	30.06
13	1	NC	1200	0	NT	NT	10.00		37	16	30	42	9	34	29.81	30.02
16	3		1500	0	NT	NT										
19	0	NC	1800	0	NT	NT	10.00		27	17	24	66	0	00	29.81	30.02
22	0	NC	2100	0	NT	NT	10.00		27	18	24	69	0	00	29.85	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

DECEMBER 1995 WBAN # 13740
RICHMOND, VA

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0722 DEC 25 SUNSET: 1657																
01	0	NC	0001	0	NT	NT	10.00		19	15	18	84	0	00	29.86	30.07
04	0	NC	0300	1	180	440	10.00		20	16	19	84	0	00	29.84	30.05
07	0	NC	0659	3	130	460	7.00		18	15	17	88	0	00	29.83	30.05
10	0	NC	0900	3	130	460	10.00		27	19	24	72	5	25	29.82	30.03
13	6	100	1200	0	NT	NT	10.00		34	17	28	50	7	23	29.73	29.94
16	10	55	1500	8	180	380	10.00		35	15	28	44	8	30	29.69	29.90
19	10	65	1800	3	180	460	10.00		30	17	26	58	0	00	29.71	29.92
22	10	70	2100	6	130	260	10.00		30	19	26	64	0	00	29.70	29.91
SUNRISE: 0722 DEC 26 SUNSET: 1657																
01	9	70	0059	0	NT	NT	10.00		31	16	26	54	9	29	29.70	29.91
04		NC	0300	0	NT	NT	10.00		28	11	23	49	10	29	29.73	29.94
07		NC	0659	0	NT	NT	10.00		27	10	22	49	10	29	29.74	29.95
10		NC	0959	0	NT	NT	10.00		32	8	25	36	16	33	29.79	30.00
13		NC	1200	0	NT	NT	10.00		36	8	28	31	12	29	29.73	29.93
16	0	NC	1500	0	NT	NT	10.00		35	6	27	29	14	31	29.69	29.90
19	0	NC	1800	1	180	260	10.00		29	8	23	41	5	24	29.72	29.93
22	10	100	2100	2	130	440	10.00		28	15	24	58	0	00	29.74	29.95
SUNRISE: 0723 DEC 27 SUNSET: 1658																
01	10	110	0059	8	140	230	10.00		28	9	23	45	0	00	29.72	29.93
04		NC					10.00		23	12	20	63	3	21	29.71	29.92
07		NC	0659	0	NT	NT	10.00		18	10	16	71	0	00	29.74	29.96
10		NC	0900	0	NT	NT	10.00		32	14	26	47	7	01	29.78	29.99
13		NC	1200	0	NT	NT	10.00		37	12	29	36	20	32	29.74	29.95
16		NC	1500	0	NT	NT	10.00		37	11	29	34	16	31	29.75	29.96
19		NC	1800	0	NT	NT	10.00		32	11	26	42	8	34	29.80	30.01
22	0	NC	2100	0	NT	NT	10.00		28	11	23	49	10	35	29.86	30.07
SUNRISE: 0723 DEC 28 SUNSET: 1659																
01	3	50	0001	0	NT	NT	10.00		26	12	22	55	6	28	29.89	30.10
04	1	NC	0300	0	NT	NT	10.00		24	11	20	58	5	31	29.92	30.12
07	0	NC	0600	0	NT	NT	10.00		22	12	19	65	0	00	29.95	30.17
10	0	NC	0900	0	NT	NT	10.00		32	15	27	50	8	35	29.98	30.20
13	0	NC	1200	0	NT	NT	10.00		38	18	31	44	14	33	29.95	30.16
16	5	95	1500	0	NT	NT	10.00		39	19	32	45	7	31	29.98	30.19
19	0	NC	1800	0	NT	NT	10.00		31	19	27	61	8	01	30.02	30.23
22	0	NC	2100	0	NT	NT	10.00		30	19	26	64	10	36	30.07	30.29
SUNRISE: 0723 DEC 29 SUNSET: 1659																
01	0	NC	0001	0	NT	NT	10.00		27	17	24	66	6	01	30.11	30.32
04	0	NC	0300	0	NT	NT	10.00		25	17	23	72	3	34	30.14	30.35
07	0	NC	0659	1	130	260	10.00		23	17	21	78	6	34	30.20	30.41
10	0	NC	0900	0	NT	NT	10.00		34	20	29	57	7	32	30.25	30.46
13	0	NC	1200	0	NT	NT	10.00		42	19	34	40	8	25	30.20	30.42
16	0	NC	1500	0	NT	NT	10.00		45	18	35	34	3	20	30.20	30.41
19	0	NC	1800	0	NT	NT	10.00		32	18	27	56	0	00	30.20	30.42
22	0	NC					10.00		27	18	24	69	0	00	30.23	30.45
SUNRISE: 0723 DEC 30 SUNSET: 1700																
01	0	NC					10.00		27	19	24	72	3	20	30.21	30.43
04	0	NC					10.00		22	18	21	85	5	16	30.20	30.41
07	0	NC					10.00		24	19	22	81	0	00	30.20	30.41
10	0	NC					10.00		38	26	34	62	9	21	30.18	30.40
13	0	NC					10.00		52	23	40	32	14	22	30.09	30.31
16	0	NC					10.00		53	20	40	27	10	23	30.05	30.25
19	0	NC					10.00		39	21	33	49	6	18	30.05	30.26
22	0	NC					10.00		35	24	31	64	3	17	30.02	30.24

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME(LST)	EFF CLD AMT TENTHS	100'S OF FT LOWEST CLOUD TOP	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0724 DEC 31 SUNSET: 1701																
01	3	NC					10.00		33	24	30	70	0	00	29.98	30.19
04	7	45	0359	7	210	330	10.00		37	28	34	70	5	24	29.95	30.16
07	10	50	0659	5	130	230	10.00	R	37	32	35	82	0	00	29.90	30.10
10	10	13	0959	6	260	460	2.00	RF	39	31	36	73	6	19	29.88	30.09
13	10	2	1200	6	180	330	1.00	RF	43	31	38	63	0	00	29.79	30.00
16	10	2	1500	10	190	230	.50	F	45	31	39	58	0	00	29.71	29.91
19	10	3	1800	10	170	230	.50	F	45	44	45	96	5	04	29.71	29.92
22	10	1					.50	RF	44	42	43	93	6	12	29.68	29.88

HOURLY SUMMARY NOTES

CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL) FOR CLOUDS AT OR BELOW 12,000 FEET.
CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.
NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.
NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.
SEE PAGE 3 FOR ADDITIONAL NOTES.

SUMMARY BY HOURS

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
01	4	3	33	23	30	69	29.92	30.13	8.85	6	2	29
02	4	4	33	23	30	71	29.92	30.13	9.11	6	3	29
03	3	4	32	24	29	74	29.92	30.13	8.61	6	2	29
04	3	3	31	24	29	74	29.91	30.12	8.90	6	2	29
05	3	4	31	24	29	75	29.91	30.12	8.77	5	3	32
06	3	4	31	24	28	76	29.92	30.13	8.47	5	2	29
07	4	4	30	28	23	78	29.93	30.14	8.32	5	2	34
08	3	4	30	24	28	79	29.94	30.15	7.90	5	2	32
09	3	5	34	25	31	71	29.95	30.16	8.40	7	4	32
10	3	3	37	24	32	63	29.96	30.17	8.73	9	5	33
11	3	2	39	24	34	58	29.95	30.16	9.21	9	5	32
12	4	2	41	24	35	52	29.93	30.14	9.34	10	5	31
13	4	2	43	24	36	49	29.90	30.11	9.47	9	5	30
14	4	2	44	23	36	47	29.88	30.09	9.48	10	5	30
15	4	2	44	23	36	46	29.88	30.08	9.17	10	5	29
16	4	3	44	23	36	48	29.88	30.09	9.07	9	5	29
17	3	3	41	23	35	51	29.88	30.09	8.99	7	2	28
18	3	3	39	24	33	57	29.90	30.11	8.95	6	2	27
19	3	2	36	23	32	61	29.91	30.12	8.72	6	1	31
20	2		35	23	31	64	29.94	30.15	8.80	6	1	30
21	3	3	34	23	30	66	29.94	30.15	8.91	5	1	30
22	4	3	33	23	30	69	29.94	30.15	8.68	5	1	28
23	4	3	33	21	29	63	29.96	30.17	9.11	5	2	30
24	4	3	32	21	29	65	29.95	30.16	9.33	5	2	28

SUPPLEMENTARY HOURLY PRECIPITATION

UNIVERSAL RAIN GAUGE (WATER EQUIVALENT IN INCHES)

DECEMBER 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			0.01		0.01					0.01			04													04	0.03
05													05													05	0.00
06													06													06	0.00
07							0.08	0.01	0.01				07													07	0.10
08													08													08	0.00
09			0.04	0.09	0.10	0.15	0.15	0.01					09													09	0.54
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							0.02	0.04	0.09	0.02			16													16	0.17
17													17													17	0.00
18													18			0.01	0.01	0.02	0.06	0.05	0.03	0.03	0.08	0.05	0.07	18	0.41
19	0.05	0.03	0.01	0.01					0.02	0.01	0.01	0.01	19		0.01		0.05	0.02		0.01						19	0.24
20			0.01										20													20	0.01
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													27	0.00
28													28													28	0.00
29													29													29	0.00
30													30													30	0.00
31							T	T	0.03	0.01	0.01	0.01	31	0.02	0.02	0.02		T	0.01	0.01			0.01	0.01	0.01	31	0.17

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MONTHLY TOTAL 1.67

SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION (MSDP)

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.03	0.05	0.06	0.08	0.11	0.16	0.20	0.24	0.30	0.34	0.38	0.41
ENDED: DATE	09	09	09	09	09	09	09	09	09	09	09	09
ENDED: TIME	0649	0534	0646	0626	0640	0640	0640	0640	0654	0645	0645	0645

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

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.
M = Missing Data.
USCOM - NOAA - ASHEVILLE, NC 325

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