

OCT 1988  
 RICHMOND, VA  
 NAT'L WEA SER OFC  
 RICHMOND INTL AP, EXECUTIVE TERMIN

ISSN 0198-537X

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



R.E. BYRD INTERNATIONAL AP.

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

OCT 1988  
 RICHMOND, VA

DATE	TEMPERATURE °F					DEGREE-DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)					
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DCR POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
01	81	54	68	4	59	0	3	1	8	0	0.00	0.0	30.000	13	5.0	6.0	18	E	12	11	536	76	7	5
02	85*	60	73*	9	65	0	8	1	8	0	0.10	0.0	29.790	19	8.1	9.6	28	S	18	19	370	52	10	8
03	69	58	64	0	63	1	0	1	8	0	1.00	0.0	29.770	03	7.3	8.3	18	NE	16	02	0	0	10	10
04	67	49	58	-5	54	7	0	1	8	0	0.26	0.0	29.800	01	9.1	9.3	22	N	15	36	80	11	10	8
05	68	45	57	-6	42	8	0	1	8	0	0.00	0.0	30.000	34	7.4	8.4	26	N	14	35	584	84	1	2
06	60	38	49	-13	37	16	0	0	8	0	0.00	0.0	30.210	01	5.2	5.8	21	N	13	02	615	88	7	3
07	59	38	49	-13	38	16	0	0	8	0	0.00	0.0	30.150	36	8.5	9.0	22	N	15	01	471	68	8	4
08	60	37	49	-12	35	16	0	0	8	0	0.00	0.0	30.020	35	8.7	9.0	25	N	16	02	523	76	3	1
09	63	33	48	-13	37	17	0	0	8	0	0.00	0.0	30.000	20	3.1	4.7	17	SW	14	18	555	81	6	4
10	71	39	55	-6	42	10	0	0	8	0	0.00	0.0	29.750	23	8.4	10.0	30	W	15	25	599	87	2	2
11	72	48	60	0	43	5	0	0	8	0	0.00	0.0	29.630	29	6.6	8.7	30	NW	16	29	525	77	2	3
12	60	35	48	-12	30	17	0	0	8	0	0.00	0.0	29.920	34	8.5	8.9	26	NW	17	32	570	83	1	1
13	56	32	44	-16	27	21	0	0	8	0	0.00	0.0	30.170	33	7.7	8.8	26	NW	16	33	680	100	0	0
14	63	27*	45	-14	30	20	0	1	8	0	0.00	0.0	30.170	23	3.2	5.1	17	SW	10	20	678	100	0	0
15	74	38	56	-3	39	9	0	0	8	0	0.00	0.0	30.045	12	3.8	5.1	14	S	8	11	676	100	7	4
16	77	43	60	-2	43	5	0	1	8	0	0.00	0.0	30.030	11	6.7	7.1	21	E	15	11	564	84	3	3
17	78	44	61	-3	49	4	0	1	8	0	0.00	0.0	30.000	13	3.0	5.8	21	SW	12	18	575	86	4	3
18	79	53	66	-8	56	0	0	1	8	0	0.00	0.0	29.780	23	4.8	10.4	26	W	17	26	537	80	9	7
19	64	40	52	-5	43	13	0	0	8	0	0.01	0.0	29.830	02	6.6	7.2	22	N	16	01	389	58	7	5
20	61	33	47	-10	37	18	0	0	8	0	0.00	0.0	30.010	10	1.2	3.8	16	NE	9	03	548	83	7	6
21	53	45	49	-8	47	16	0	1	8	0	1.27	0.0	29.770	01	3.3	7.3	25	NW	18	34	0	0	10	9
22	62	44	53	-3	39	12	0	0	8	0	0.00	0.0	29.500	25	12.0	12.3	32	W	20	26	400	61	7	5
23	63	38	51	-5	35	14	0	0	8	0	0.00	0.0	29.660	20	7.1	8.6	23	S	14	20	657	100	0	1
24	69	43	56	0	39	9	0	0	8	0	0.00	0.0	29.520	22	8.2	10.7	32	SW	20	22	502	77	5	4
25	65	35	50	-5	31	15	0	0	8	0	0.00	0.0	29.690	22	8.0	8.8	29	SW	17	23	506	77	2	2
26	61	40	51	-4	33	14	0	0	8	0	0.00	0.0	29.790	25	5.7	7.6	31	W	16	26	546	84	4	2
27	63	30	47	-8	32	18	0	0	8	0	0.00	0.0	30.020	13	1.7	3.5	13	S	7	12	546	84	4	3
28	75	42	59	5	51	6	0	0	8	0	0.00	0.0	29.910	20	6.8	9.1	28	SW	17	22	485	75	7	5
29	62	33	48	-6	30	17	0	0	8	0	0.00	0.0	30.070	35	2.2	2.5	13	N	12	35	547	85	5	3
30	61	37	49	-5	29	16	0	0	8	0	0.00	0.0	30.110	02	5.5	5.7	23	NE	13	35	538	84	5	6
31	52	36	44*	-10	33	21	0	0	8	0	0.10	0.0	30.100	04	4.7	5.7	14	E	9	06	396	62	10	9
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
2053	1267					361	12	PRECIPITATION		2.74	0.0	29.910	30	1.2	7.5	32	SW	20	22	15198		163	128	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.							DATE: 24+	DATE: 24+	DATE: 24+	DATE: 24+	DATE: 24+	DATE: 24+	DATE: 24+	DATE: 24+
66.2	40.9	53.6	-5.0	40.8	140	-11		≥ .01 INCH		6	-1.00										20882	73	5.3	4.1
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH OF GROUND OF										
						TOTAL	TOTAL	≥ 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.		MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS																
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		0				0										
0		0		3		0		143		140		CLEAR 10		PARTLY CLOUDY 14		CLOUDY 7								

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † TRACE AMOUNT.  
 + ALSO ON EARLIER DATE(S).  
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Walden*  
 DIRECTOR  
 NATIONAL CLIMATIC DATA CENTER

## OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1988  
RICHMOND, VA

13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			VISI-BILITY	WEATHER	TEMPERATURE				WIND																								
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES		AIR of	NET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)			CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR of	NET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																					
																						16THS MILE	16THS MILE	16THS MILE	16THS MILE																	
	OCT 1st				OCT 2nd					OCT 3rd					OCT 4th					OCT 5th					OCT 6th																	
01	8	30	5	F	61	60	59	93	11	3	3	UNL	4	F	60	59	59	97	12	6	10	50	7																			
04	0	UNL	3	F	58	58	58	100	00	0	4	UNL	3	F	61	61	61	100	15	5	8	30	6	F																		
07	3	UNL	2	F	58	57	57	97	14	3	10	3	0	F	65	65	65	100	18	7	10	3	2	F																		
10	3	UNL	3	H	74	64	58	58	12	8	10	UNL	7	F	76	70	66	71	18	13	10	45	0	12	RNF																	
13	9	UNL	5	H	80	68	60	51	11	10	10	UNL	10	RNF	83	71	64	53	19	16	10	35	2	RF																		
16	8	UNL	7		79	67	60	52	16	8	10	65	10	RF	81	70	64	56	19	11	10	23	2	RF																		
19	9	UNL	6	H	67	65	63	87	10	6	10	30	6	RF	70	69	69	97	32	6	10	12	2	RF																		
22	4	UNL	6	H	63	61	60	90	10	5	10	30	7	RH	69	69	69	100	22	6	10	5	4	RF																		
	OCT 7th				OCT 8th					OCT 9th					OCT 10th					OCT 11th					OCT 12th																	
01	0	UNL	15		41	40	39	93	01	6	0	UNL	15		41	39	36	83	34	6	0	UNL	15																			
04	0	UNL	12		40	40	39	96	01	6	0	UNL	15		41	40	38	89	34	10	0	UNL	10																			
07	2	UNL	7		39	39	38	96	36	6	0	UNL	15		41	37	32	70	33	10	2	UNL	7																			
10	8	UNL	15		55	47	38	53	05	10	0	UNL	15		52	43	32	47	34	13	3	UNL	10																			
13	10	250	15		58	48	36	44	34	12	6	40	15		58	46	32	38	36	10	9	UNL	10																			
16	10	250	15		54	46	37	53	01	8	6	40	15		58	46	31	36	36	8	9	250	10																			
19	5	UNL	15		49	44	38	66	35	7	0	UNL	15		47	42	36	66	04	6	6	UNL	10																			
22	0	UNL	15		43	41	38	83	35	7	0	UNL	15		41	40	38	89	00	0	0	UNL	10																			
	OCT 13th				OCT 14th					OCT 15th					OCT 16th					OCT 17th					OCT 18th																	
01	0	UNL	15		36	33	27	70	36	6	0	UNL	15		33	32	29	85	00	0	0	UNL	15																			
04	0	UNL	15		36	33	27	70	30	4	0	UNL	15		28	27	26	92	26	3	0	UNL	15																			
07	0	UNL	15		36	32	25	64	30	6	0	UNL	6	F	32	31	30	92	00	0	3	UNL	15																			
10	0	UNL	15		49	40	27	43	33	14	0	UNL	7		52	43	31	45	00	0	10	UNL	10																			
13	1	UNL	15		52	41	24	34	31	13	0	UNL	15		58	45	29	33	27	6	6	UNL	10																			
16	0	UNL	15		54	42	24	31	33	10	0	UNL	15		62	47	28	28	25	8	6	UNL	10																			
19	0	UNL	15		43	38	30	60	02	6	0	UNL	15		48	41	31	52	11	5	3	UNL	10																			
22	0	UNL	15		38	35	30	73	01	3	0	UNL	15		45	40	34	66	19	8	2	UNL	10																			
01	0	UNL	10		50	47	43	77	10	3	3	UNL	7		51	48	45	80	10	4	3	UNL	7																			
04	1	UNL	10		44	43	41	89	10	4	2	UNL	7		50	48	46	86	00	0	0	UNL	7																			
07	0	UNL	5	F	44	43	41	89	15	3	8	UNL	6		47	47	46	96	00	0	7	UNL	7																			
10	0	UNL	7		66	55	46	49	11	5	3	UNL	7		65	57	50	59	26	7	10	UNL	7																			
13	1	UNL	10		76	57	41	29	12	13	1	UNL	10		76	61	49	39	18	8	10	UNL	7																			
16	8	UNL	10		73	56	41	32	11	11	2	UNL	10		75	59	47	37	11	7	8	UNL	10																			
19	6	UNL	7		60	51	43	54	10	7	2	UNL	7		63	57	53	70	10	8	10	UNL	7																			
22	6	UNL	7		55	49	42	62	10	4	4	UNL	7		56	54	53	90	10	5	8	UNL	7																			

## WEATHER CODES

* TORNADO	ZL FREEZING DRIZZLE	IPW ICE PELLET SHOWERS	BN BLOWING SAND
T THUNDERSTORM	S SNOW	A HAIL	BS BLOWING SNOW
Q SQUALL	SW SNOW SHOWERS	F FOG	BY BLOWING SPRAY
R RAIN	SG SNOW GRAINS	IF ICE FOG	K SMOKE
RW RAIN SHOWERS	SP SNOW PELLETS	GF GROUND FOG	H HAZE
ZR FREEZING RAIN	IC ICE CRYSTALS	BD BLOWING DUST	D DUST
L DRIZZLE	IP ICE PELLETS		

CEILING: UNL INDICATES UNLIMITED  
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM  
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1988 RICHMOND, VA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			VISI-BILITY	WEATHER	TEMPERATURE				WIND																																			
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF			WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																			
OCT 19th																		OCT 20th																		OCT 21st																	
01	4	UNL	7		57	54	51	81	04	9	0	UNL	10		40	38	35	82	00	0	10	250	10		48	45	42	80	15	3																							
04	10	50	7		57	51	45	64	04	10	0	UNL	10		35	34	33	92	20	5	10	35	10		48	46	44	86	00	0																							
07	10	50	7		52	51	49	90	02	6	4	UNL	7		35	34	33	92	00	0	10	90	7		48	47	45	89	12	4																							
10	8	75	7		57	51	46	67	02	6	4	UNL	10		56	48	38	51	06	8	10	45	7		50	49	48	93	10	6																							
13	4	UNL	15		64	52	40	42	34	12	9	UNL	15		59	48	35	41	03	8	10	9	1	R	50	50	50	100	08	6																							
16	6	45	10		61	50	38	43	01	9	7	UNL	15		60	48	34	38	31	4	10	5	1	R	52	52	52	100	07	4																							
19	0	UNL	10		50	47	43	77	00	0	6	120	10		49	45	41	74	13	3	9	5	6	R	49	49	48	96	34	16																							
22	0	UNL	10		46	42	36	68	02	5	10	250	10		47	45	43	86	16	5	9	7	10	R	48	48	47	96	30	9																							
OCT 22nd																		OCT 23rd																		OCT 24th																	
01	2	UNL	10		44	44	43	96	26	7	0	UNL	10		46	41	34	63	24	6	10	90	15		52	45	38	59	17	11																							
04	10	90	10		44	44	43	96	27	11	0	UNL	15		43	39	34	71	24	6	7	90	10		54	48	41	62	18	11																							
07	3	UNL	10		44	43	42	93	23	9	0	UNL	15		40	38	34	79	25	4	5	UNL	10		49	47	44	83	18	6																							
10	9	90	10		51	48	45	80	24	15	0	UNL	15		56	46	35	45	26	4	5	UNL	10		61	50	39	44	23	12																							
13	7	50	10		59	49	38	46	25	14	0	UNL	15		61	48	34	37	19	12	3	UNL	10		68	52	36	31	23	15																							
16	8	70	10		59	47	34	39	26	14	0	UNL	15		61	49	35	38	20	12	3	UNL	10		67	53	39	36	26	13																							
19	1	UNL	10		54	45	35	49	28	9	0	UNL	15		50	44	36	59	16	8	0	UNL	10		55	48	41	60	25	6																							
22	0	UNL	10		49	43	36	61	26	9	6	80	15		47	43	38	71	16	6	0	UNL	10		52	43	30	43	34	7																							
OCT 25th																		OCT 26th																		OCT 27th																	
01	0	UNL	10		45	40	33	63	26	4	0	UNL	10		47	43	38	71	21	5	0	UNL	10		37	34	28	70	00	0																							
04	0	UNL	10		46	38	27	48	24	8	0	UNL	10		44	41	38	80	24	5	0	UNL	10		33	32	29	85	34	5																							
07	0	UNL	10		37	34	28	70	19	4	7	UNL	10		43	41	38	83	27	5	0	UNL	10		33	32	29	85	00	0																							
10	0	UNL	15		53	42	28	38	21	6	7	UNL	15		56	47	37	49	26	5	5	UNL	10		53	43	31	43	09	5																							
13	0	UNL	15		62	46	26	25	23	15	1	UNL	15		60	46	28	30	25	11	7	UNL	10		61	46	27	28	19	6																							
16	10	200	10		62	47	29	29	23	10	1	UNL	10		61	46	26	26	26	8	2	UNL	10		62	47	28	28	17	6																							
19	8	120	10		54	45	34	47	19	8	0	UNL	10		46	40	32	58	00	0	6	UNL	10		50	45	38	64	10	6																							
22	3	UNL	10		52	45	36	55	25	7	0	UNL	10		44	38	28	54	01	7	3	UNL	10		45	43	40	83	12	3																							
OCT 28th																		OCT 29th																		OCT 30th																	
01	3	UNL	10		43	42	41	93	13	4	0	UNL	10		49	41	30	48	35	10	3	UNL	10		37	36	35	93	00	0																							
04	3	UNL	10		45	44	43	93	13	6	0	UNL	10		39	35	30	70	31	4	7	UNL	10		40	38	36	86	01	7																							
07	10	50	10		46	45	43	89	18	8	2	UNL	10		34	33	30	85	00	0	7	100	10		43	38	30	60	03	6																							
10	10	80	10		62	57	53	73	17	11	0	UNL	10		51	41	26	38	02	6	4	UNL	10		52	41	25	35	02	11																							
13	6	100	10		75	66	60	60	20	14	6	UNL	10		58	44	25	28	35	3	3	UNL	10		58	45	27	31	01	4																							
16	6	100	10		72	64	59	64	20	13	10	UNL	10		61	45	24	24	28	3	7	UNL	10		58	45	28	32	02	5																							
19	8	80	10		66	62	59	78	21	8	10	UNL	10		47	41	33	58	00	0	8	UNL	10		47	39	26	44	03	6																							
22	2	UNL	10		61	55	49	65	30	5	1	UNL	15		42	39	36	79	00	0	7	UNL	10		41	36	28	60	03	4																							
OCT 31st																																																					
01	7	250	10		36	33	29	76	36	6																																											
04	8	250	10		38	35	29	70	31	4																																											
07	9	250	10		39	35	30	70	02	7																																											
10	10	55	10		46	40	31	56	04	7																																											
13	10	55	10		50	42	32	50	06	8																																											
16	10	90	7		51	42	31	47	08	7																																											
19	10	80	7		48	43	37	66	06	3																																											
22	10	40	7	R	46	44	42	86	00	0																																											

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES					RESULTANT WIND	
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	3	29.920	47	44	41	82	5.8	01	0.6
04	3	29.910	45	43	41	85	5.9	31	1.4
07	4	29.920	45	43	41	86	5.4	31	0.7
10	5	29.950	58	50	41	56	9.7	32	1.4
13	5	29.895	64	52	39	43	11.6	27	3.5
16	6	29.865	64	52	39	43	10.1	27	2.6
19	5	29.890	54	49	43	67	6.8	04	1.6
22	3	29.920	50	46	42	75	5.9	34	1.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 1988  
RICHMOND, VA

13740

DATE	A.M. HOUR ENDING AT												P.M. HOUR 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					
02																								02					
03	T				T	0.01			T			0.06	0.04	0.03	0.15	0.12	0.07	0.10	0.05	0.07	0.06	0.01	0.06	0.03	T	03			
04	0.09	0.06	0.02	T	0.04	0.04	0.01	T	T			T											0.06	0.07	0.06	T	04		
05																											05		
06																											06		
07																											07		
08																											08		
09																											09		
10																											10		
11																											11		
12																											12		
13																											13		
14																											14		
15																											15		
16																											16		
17																											17		
18																											18		
19					0.01	T																					19		
20																											20		
21					T	T						T	T	0.10	0.13	0.13	0.30	0.20	0.26	0.11	0.01	0.03					21		
22																											22		
23																											23		
24		T	T																								24		
25					T																						25		
26																											26		
27																											27		
28																											28		
29																											29		
30																											30		
31																									T	T	0.05	0.05	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.07	0.10	0.13	0.19	0.26	0.31	0.37	0.46	0.55	0.67	0.78
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME	1458	1342	1339	1342	1348	1403	1403	1549	1458	1516	1546	1614

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:  
BILL CLAYTON

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:  
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING  
ASHEVILLE, NORTH CAROLINA 28801  
ATTN: PUBLICATIONS

RICHMOND, VA  
USCOMM - NOAA - ASHEVILLE, NC 380

U.S. DEPARTMENT OF COMMERCE  
NATIONAL CLIMATIC DATA CENTER  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS