



# 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

SEP 1995  
 RICHMOND, VA

DATE	TEMPERATURE ° F					DEGREE DAYS BASE 65 ° F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORMS 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW/ ICE ON GRD AT 0700 (IN.)	PRECIPITATION (INCHES)		AVERAGE STATION PRESSURE (INCHES OF Hg) ELEV. 177 (FT. MSL)	WIND (M.P.H.)						SUNSHINE		SKY COVER TENTHS																
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING	COOLING			WATER EQUIVALENT	SNOW ICE PELLETS		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FASTEST 2-MIN	MINUTES	PERCENT POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT																
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23														
01	95*	66	81	7	68.2	0	16	1 3 8	0	1.75	0.0	29.650	21	0.9	7.8	31	NW	22	32	396	51	6	6														
02	81	60	71	-3	56.3	0	6	1	0	0.11	0.0	29.770	34	7.7	9.4	21	NW	16	36	330	42	4	4														
03	83	55	69	-5	54.2	0	4		0	0.00	0.0	29.910	36	3.2	4.8	15	W	10	05	413	53	2	1														
04	87	58	73	-1	57.3	0	8		0	0.00	0.0	30.000	16	4.0	5.5	13	SE	9	15	417	54	1	1														
05	87	61	74	1	60.2	0	9	1	0	0.00	0.0	30.015	17	5.1	6.0	13	SE	13	14	449	58	5	4														
06	87	63	75	2	60.8	0	10	1 8	0	0.00	0.0	29.960	16	3.3	4.8	13	SE	9	13	403	52	10	8														
07	83	61	72	-1	63.0	0	7	1 8	0	0.00	0.0	29.820	10	2.7	3.6	15	SE	10	13	399	52	10	8														
08	86	65	76	3	65.3	0	11	1	0	T	0.0	29.750	09	2.9	3.4	13	E	8	09	400	52	9	9														
09	87	67	77	5	66.6	0	12	1 8	0	0.00	0.0	29.740	02	2.8	4.7	14	N	8	35	492	65	7	8														
10	80	57	69	-3	57.3	0	4	8	0	0.00	0.0	29.900	36	8.7	9.4	20	N	15	36	474	63	3	3														
11	79	55	67	-5	49.8	0	2		0	0.00	0.0	30.110	04	4.9	6.9	15	NE	12	02	528	70	3	3														
12	81	57	69	-2	56.8	0	4		0	0.00	0.0	30.080	13	4.1	5.0	13	SE	9	17	384	51	9	8														
13	90	63	77	6	64.1	0	12	1 8	0	0.00	0.0	29.910	21	9.1	9.7	24	SW	17	22	693	92	6	4														
14	91	70	81*	10	66.3	0	16	1 8	0	0.00	0.0	29.835	22	6.8	7.6	16	W	14	25	495	66	9	8														
15	84	63	74	4	54.9	0	9	8	0	0.00	0.0	30.050	03	7.4	9.1	17	NE	14	01	570	76	8	7														
16	73	62	68	-2	61.6	0	3	1	0	0.67	0.0	30.000	04	7.7	8.1	21	NE	16	03	0	0	10	10														
17	71	60	66	-4	63.7	0	1	1	0	0.49	0.0	29.650	29	4.2	5.4	14	NW	13	30	17	2	10	8														
18	75	59	67	-2	59.5	0	2	1	0	0.00	0.0	29.830	36	7.7	8.1	16	N	15	35	232	31	9	6														
19	75	57	66	-3	57.3	0	1		0	0.00	0.0	29.970	01	7.2	7.9	16	N	14	36	716	97	5	3														
20	79	57	68	-1	60.3	0	3	1	0	0.00	0.0	29.930	14	2.9	3.6	10	SE	8	14	665	90	8	5														
21	83	66	75	6	64.1	0	10	1	0	T	0.0	29.920	17	6.3	6.5	14	S	12	18	399	55	9	9														
22	85	56	71	3	66.9	0	6	1	0	0.53	0.0	29.820	15	0.9	10.7	29	N	20	36	376	52	10	10														
23	57	50	54*	-14	42.8	11	0		0	T	0.0	30.070	35	11.1	11.3	22	N	17	36	0	0	10	10														
24	64	50	57	-10	50.8	8	0	1	0	T	0.0	30.020	36	9.4	9.6	16	N	12	01	543	75	9	10														
25	69	56	63	-4	59.3	2	0	1 8	0	0.14	0.0	29.870	33	5.6	6.2	15	NW	10	31	302	42	10	10														
26	68	54	61	-5	59.8	4	0	2	0	0.13	0.0	29.780	36	1.8	3.8	12	N	8	36	103	14	10	9														
27	77	49*	63	-3	53.8	2	0	2	0	0.00	0.0	29.870	34	1.8	2.6	12	N	8	01	691	96	2	3														
28	80	50	65	0	53.8	0	0	1 8	0	0.00	0.0	29.980	03	2.6	3.7	16	N	9	32	702	98	0	0														
29	75	56	66	1	55.5	0	1	1	0	0.00	0.0	30.075	03	7.8	8.2	20	NE	13	01	713	100	2	1														
30	73	55	64	-1	56.4	1	0	1	0	0.00	0.0	30.060	01	6.6	6.9	15	NE	13	03	510	72	9	5														
SUM		SUM				TOTAL		TOTAL		NUMBER OF DAYS		TOTAL		TOTAL		FOR THE MONTH :						TOTAL		%		SUM		SUM									
2385		1758				28		157		3.82		0.0		29.910		01		2.0		6.7		31		NW		22		32		12812		FOR		205		181	
AVG.		AVG.		AVG.		DEP.		AVG.		DEP.		DEP.						DATE: 1		DATE: 1		POSS		MONTH		AVG		AVG									
79.5		58.6		69.1		-0.9		58.9		5		-16		.01		INCH		7		0.48						22333		57		6.8		6.0					
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF																					
						TOTAL		TOTAL								SNOW, ICE PELLETS OR ICE,																					
						28		1511		THUNDERSTORMS 1						PRECIPITATION SNOW, ICE PELLETS																					
MAXIMUM TEMP		MINIMUM TEMP				DEP.		DEP.		HEAVY FOG																											
≥ 90°		≤ 32°		≤ 32°		≤ 0°		2		1.86		01-02		0.0																							
3		0		0		0		5		197		CLEAR 7		PARTLY CLOUDY 6		CLOUDY 17																					

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT T TRACE AMOUNT.  
 + ALSO ON EARLIER DATE(S).  
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.  
 ONE OF TWO WINDS 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 TWO MINUTE WIND - HIGHEST TWO MINUTE SPEED (DIRECTION IN TENS OF DEGREES).  
 ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1995 13740  
RICHMOND, VA

HOUR	L. S. T.	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	WEATHER	TEMPERATURE				WIND													
		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY	DIRECTION	SPEED (KNOTS)												
01	04	07	10	13	16	19	22	SEP 01					SEP 02					SEP 03																					
01	04	07	10	13	16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5		
04	07	10	13	16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			
07	10	13	16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5				
10	13	16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5					
13	16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5						
16	19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			
19	22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5				
22	UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5			UNL	5					

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.29	0.48	0.63	0.78	1.09	1.38	1.53	1.63	1.67	1.69	1.70	1.74
ENDED: DATE	01	01	01	01	01	01	01	01	01	01	01	01
ENDED: TIME (LST)	1736	1739	1744	1745	1742	1757	1750	1827	1830	1842	1844	1850

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 NOTENTERED FOR TRACE AMOUNTS.

# OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1995 13740  
RICHMOND, VA

HOUR	L.S.T.	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY		WEATHER	TEMPERATURE				WIND							
		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			WHOLE MILES	16THS MILE		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			WHOLE MILES	16THS MILE		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE MILES	16THS MILE				
SEP 19												SEP 20												SEP 21											
01	0	UNL	10		61	57	54	78	34	10			0	0	UNL	7		60	59	58	93	00	0	10	120	7		66	63	61	84	17	4		
04	0	UNL	10		58	55	53	84	35	6			0	0	UNL	7		58	57	57	97	00	0	10	95	7		66	62	60	81	15	5		
07	0	UNL	10		59	55	52	78	35	5			F		UNL	7		60	59	59	97	33	4	10	85	6		66	64	62	87	16	3		
10	0	UNL	10		70	63	58	66	05	8					UNL	7		71	68	67	87	12	6	10	80	7		70	65	62	76	17	6		
13	9	33	10		72	65	61	69	07	8					UNL	10		76	66	60	58	16	4	8	100	10		82	72	68	59	20	9		
16	8	50	10		72	65	60	66	04	7					UNL	10		78	67	60	54	14	4	9	150	10		79	70	65	62	18	8		
19	1	UNL	10		65	62	60	84	36	4					UNL	10		68	65	63	84	13	4	10	55	10		74	70	68	82	17	6		
22	0	UNL	10		61	59	58	90	02	4					UNL	7		67	64	62	84	14	5	10	47	10		73	70	68	84	17	5		
SEP 22												SEP 23												SEP 24											
01	10	5	5		70	69	68	93	17	4					UNL	10		56	50	45	67	36	12	10	75	10		52	48	44	74	35	8		
04	10	38	2	8	69	68	67	93	13	4					UNL	10		54	49	44	69	36	10	10	44	10		53	49	45	74	36	8		
07	10	4	1		70	69	69	97	14	6					UNL	10		55	49	43	64	34	12	8	130	10		53	50	47	80	02	9		
10	10	5	5		74	73	72	94	18	10					UNL	10		54	48	41	62	35	10	9	80	12		59	54	50	72	01	10		
13	9	40	7		84	76	73	70	18	10					UNL	10		56	48	40	55	35	12	10	28	12		61	57	53	75	01	9		
16	9	95	7		79	76	74	85	15	7					UNL	10		54	49	44	69	34	8	10	55	12		63	59	55	75	36	8		
19	10	5	6		69	68	68	97	01	16					UNL	10		52	48	44	74	33	7	10	75	10		58	56	54	87	35	9		
22	10	43	10		61	58	56	84	36	13					UNL	10		52	48	44	74	32	8	10	6	7		57	55	54	90	33	7		
SEP 25												SEP 26												SEP 27											
01	10	4	6		56	55	55	97	32	8					UNL	4	2	61	60	60	97	31	6	10	0	0	2	54	54	54	100	34	4		
04	10	4	5		57	56	55	93	32	5					UNL	19	5	61	60	60	97	00	0	10	0	0	4	52	52	52	100	00	0		
07	10	4	2		58	57	57	97	33	7					UNL	20	6	61	60	60	97	14	4	3	UNL	2		51	51	51	100	00	0		
10	10	49	6		65	63	61	87	35	3					UNL	7	6	66	64	62	87	17	3	0	UNL	8		69	65	62	79	35	4		
13	10	17	6		69	65	63	81	29	7					UNL	12	2	65	63	62	90	02	4	2	UNL	10		75	61	51	43	22	3		
16	10	5	2		62	61	61	97	31	6					UNL	13	2	62	61	61	97	36	7	2	UNL	8		75	61	50	42	33	4		
19	10	43	3		61	61	61	100	35	4					UNL	44	5	62	61	61	97	32	6	2	UNL	8		62	59	57	84	00	0		
22	10	2	2		61	60	60	97	31	3					UNL	3	2	58	57	57	97	33	3	0	UNL	7		58	56	55	90	00	0		
SEP 28												SEP 29												SEP 30											
01	0	UNL	5		54	53	52	93	00	0					UNL	5		58	57	57	97	04	5	0	UNL	8		57	56	55	93	02	8		
04	0	UNL	6		53	53	52	96	00	0					UNL	5		57	56	56	97	02	6	6	29	8		56	55	55	97	01	8		
07	0	UNL	5		55	54	53	93	00	0					UNL	5		57	56	56	97	02	6	10	8	6		57	56	56	97	02	8		
10	0	UNL	8		73	62	54	52	00	0					UNL	10		68	62	57	68	03	9	10	9	5		63	60	58	84	03	7		
13	0	UNL	8		77	63	53	43	06	5					UNL	10		72	63	56	57	03	7	8	32	10		72	64	58	62	36	10		
16	0	UNL	8		79	65	55	44	05	6					UNL	10		72	62	55	55	02	10	9	41	10		71	62	56	59	04	8		
19	0	UNL	7		67	61	56	68	06	6					UNL	10		62	58	55	78	04	5	2	UNL	10		63	60	57	81	02	4		
22	0	UNL	7		60	57	55	84	10	5					UNL	8		57	55	54	90	01	6	0	UNL	7		57	56	55	93	00	0		

## WEATHER CODES AND NOTES

& TORNADO	S SNOW	IF ICE FOG
&C FUNNEL CLOUD	SW SNOW SHOWERS	GF GROUND FOG
W WATER SPOUT	SG SNOW GRAINS	BD BLOWING DUST
T THUNDERSTORM	SP SNOW PELLETS	BN BLOWING SAND
R RAIN	IC ICE CRYSTALS	BS BLOWING SNOW
RW RAIN SHOWERS	IP ICE PELLETS	BY BLOWING SPRAY
ZR FREEZING RAIN	IPW ICE PELLET SHOWERS	K SMOKE
L DRIZZLE	A HAIL	H HAZE
ZL FREEZING DRIZZLE	F FOG	D DUSTGL
		GLAZE

CEILING: UNL INDICATES UNLIMITED  
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND IS BLOWING, 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 TWO-MINUTE VALUE (MPH=KNOTS X 1.15).

## SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES						RESULTANT WIND		
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY%	SPEED (MPH)	DIRECTION	SPEED (MPH)
				AIR ° F	WET BULB ° F	DEW POINT ° F				
01	5	29.910	63	61	59	87	5.4	35	1.8	
04	6	29.900	62	60	58	89	4.8	34	2.3	
07	6	29.930	63	61	59	88	6.7	36	3.1	
10	6	29.945	72	65	60	68	7.8	03	2.5	
13	7	29.910	77	66	58	55	7.9	04	2.9	
16	7	29.880	77	65	58	56	8.4	05	2.3	
19	6	29.895	69	63	59	73	6.8	05	2.7	
22	4	29.920	64	61	59	84	5.6	04	1.3	

