

SEP 1994
 RICHMOND, VA
 NAT'L WEA SVC OFC., NOAA
 RIC INTL APT/EXEC TERMINAL

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

SEP 1994 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) 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 1-MIN		MINUTES	PERCENT POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
																SPEED	DIR	SPEED	DIR					
01	86	70	78	4	64	0	13	1	8	0	T	0.0	29.870	36	5.5	8.4	20	N	14	36	574	74	5	7
02	76	58	67	-7	57	0	2	1		0	0.05	0.0	30.030	03	6.0	7.3	16	NE	12	10	396	51	8	7
03	77	55	66	-8	53	0	1			0	0.00	0.0	30.060	02	10.0	10.5	20	NE	16	01	650	84	5	3
04	75	54	65	-9	51	0	0			0	0.00	0.0	30.050	01	9.1	9.5	25	N	18	02	579	75	4	2
05	77	51	64	-9	52	1	0			0	0.00	0.0	29.970	32	3.8	6.5	14	NW	12	34	629	82	3	3
06	81	58	70	-3	60	0	5	1	8	0	0.00	0.0	29.810	22	1.9	6.2	23	W	13	26	395	51	9	7
07	85	57	71	-2	57	0	6	1	8	0	0.00	0.0	29.860	28	4.1	5.6	18	W	14	26	751	98	2	3
08	83	55	69	-4	52	0	4	1		0	0.00	0.0	29.970	36	0.5	5.2	15	SW	8	20	758	99	7	4
09	86	57	72	0	60	0	7	1	8	0	0.00	0.0	29.910	22	3.9	5.7	15	SW	10	23	647	85	3	2
10	86	58	72	0	60	0	7	1	8	0	0.01	0.0	29.960	01	3.5	5.6	24	N	12	32	545	72	3	4
11	79	53	66	-6	55	0	1	1		0	0.00	0.0	30.020	36	7.1	7.5	21	NW	13	35	755	100	0	1
12	80	51	66	-5	51	0	1			0	0.00	0.0	30.065	33	4.4	5.7	16	NW	10	33	719	95	5	4
13	88	51	70	-1	53	0	5	1	8	0	0.00	0.0	29.990	24	3.4	5.0	16	W	12	26	697	93	3	2
14	91	54	73	2	56	0	8		8	0	0.00	0.0	29.910	25	5.0	6.0	16	W	12	30	718	96	2	1
15	93	65	79	9	65	0	14	1	8	0	0.00	0.0	29.890	05	0.7	5.5	15	E	12	04	667	89	5	3
16	94*	66	80*	10	64	0	15	1	8	0	0.00	0.0	29.900	20	6.4	7.4	18	S	14	18	488	66	5	4
17	89	67	78	8	68	0	13	1	8	0	0.45	0.0	29.740	21	10.2	10.8	32	S	21	22	423	57	10	8
18	79	58	69	0	58	0	4	1		0	0.00	0.0	29.735	34	9.8	10.9	26	N	17	35	586	79	7	7
19	78	52	65	-4	51	0	0			0	0.00	0.0	29.930	35	6.5	6.9	28	N	13	02	716	97	1	1
20	81	52	67	-2	53	0	2			0	0.00	0.0	30.020	05	2.6	5.5	14	N	9	10	644	88	4	4
21	75	52	64	-5	55	1	0	1		0	0.01	0.0	29.980	03	5.5	6.6	14	N	10	07	412	56	10	10
22	64	61	63	-5	61	2	0	1		0	2.68	0.0	29.680	33	11.5	14.5	44	N	22	01	0	0	10	10
23	77	59	68	0	58	0	3			0	0.00	0.0	29.740	29	4.5	7.4	17	NW	12	31	596	82	6	7
24	81	57	69	2	63	0	4	1	8	0	0.00	0.0	29.860	16	2.6	4.3	12	SW	9	22	324	45	10	9
25	82	65	74	7	67	0	9	23	8	0	0.79	0.0	29.760	13	5.1	6.1	31	S	12	21	311	43	10	10
26	84	68	76	10	68	0	11	1	3	8	0.00	0.0	29.630	14	5.6	7.7	21	NW	14	15	343	48	8	8
27	82	59	71	5	61	0	6	2	8	0	0.00	0.0	29.640	19	6.2	7.3	18	SW	15	20	564	79	2	3
28	77	55	66	1	55	0	1	1	8	0	0.00	0.0	29.650	23	6.5	7.1	21	SW	14	23	683	96	6	4
29	73	51	62	-3	47	3	0			0	0.00	0.0	29.720	28	7.5	10.0	28	NW	16	27	713	100	0	0
30	76	46*	61*	-4	48	4	0			0	0.00	0.0	29.870	26	2.9	5.6	17	NW	10	29	685	96	2	1
SUM		SUM		TOTAL		TOTAL		NUMBER OF DAYS		TOTAL		TOTAL		FOR THE MONTH :				TOTAL		SUM		SUM		
2435		1715		11		142		3		3.99		0.0		29.875 32 1.8 7.3 44 N 22 01				16968		FOR 155 139				
AVG.		AVG.		AVG.		DEP.		DEP.		PRECIPITATION		DEP.		DATE:22 DATE:22				Poss		MONTH		AVG		
81.2		57.2		69.2		-0.8		57.4		-12		-31		≥ .01 INCH 6				0.65		22333		76 5.2 4.6		
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE		TOTAL		TOTAL												
11		1532		2		2.69 21-22		0.0		0														
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		2		2.69 21-22 0.0				0				
3		0		0		0		-12		218		CLEAR 11 PARTLY CLOUDY 11 CLOUDY 8												

* 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 HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS.
 † TRACE AMOUNT. COLS 16 & 17 : PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED.
 + ALSO ON EARLIER DATE(S). 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 ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS. ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

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.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

Kenneth D. Haden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1994 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)			WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	SKY COVER (TENTHS)			WEATHER	TEMPERATURE			WIND																																								
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	VISIBILITY 16THS MILE		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		VISIBILITY 16THS MILE	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																					
SEP 19																				SEP 20																				SEP 21																			
01	0	UNL	12		56	54	52	87	34	6	0	UNL	12		55	53	52	90	35	3	10	UNL	7		56	54	53	90	31	4																													
04	0	UNL	12		54	52	51	90	34	7	0	UNL	12		56	54	53	90	31	4	8	250	7		53	53	52	96	34	3																													
07	0	UNL	10		56	54	52	87	33	6	0	UNL	8		56	54	52	87	33	6	10	250	7		55	54	53	93	34	4																													
10	0	UNL	15		71	59	50	48	01	10	0	UNL	10		72	62	55	55	09	5	10	230	7		69	63	58	68	01	8																													
13	2	UNL	15		77	61	48	36	02	11	1	UNL	12		79	63	52	39	03	7	10	240	8		74	61	51	45	07	7																													
16	4	UNL	15		76	61	50	40	35	7	10	250	15		79	63	52	39	12	7	10	230	8		73	61	53	50	07	9																													
19	0	UNL	15		67	59	53	61	00	0	10	UNL	7		66	60	55	68	11	7	10	200	7		65	60	56	73	03	5																													
22	0	UNL	15		59	56	53	81	00	0	10	250	7		60	57	55	84	00	0	10	150	7		63	60	58	84	01	6																													
SEP 22																				SEP 23																				SEP 24																			
01	10	100	6	RF	63	62	61	93	01	8	10	19	7		62	60	58	87	29	8	8	UNL	7		60	59	59	97	08	3																													
04	10	70	4	RF	64	63	63	97	01	8	8	39	12		62	59	57	84	26	9	3	UNL	7		58	57	57	97	00	0																													
07	10	8	2	8	63	62	62	97	01	10	1	UNL	10		61	58	56	84	26	6	9	UNL	6	F	61	60	60	97	08	3																													
10	10	10	2	RF	64	63	62	93	01	19	4	UNL	12		69	61	56	63	29	9	10	150	7		70	66	64	81	18	3																													
13	10	7	0	12	63	62	61	93	35	17	8	40	12		74	64	57	56	31	7	10	180	7		80	69	63	56	17	8																													
16	10	17	0	12	61	60	60	97	30	14	10	44	15		76	65	58	54	28	7	10	180	8		80	70	64	58	19	6																													
19	10	15	1	8	62	61	61	97	29	12	10	250	7		66	63	61	84	06	6	10	160	6		72	68	66	82	18	6																													
22	10	20	7	RF	62	60	58	87	29	9	10	250	7		62	60	59	90	10	3	10	44	5	F	69	67	66	90	00	0																													
SEP 25																				SEP 26																				SEP 27																			
01	9	230	5	F	68	67	67	97	07	3	10	250	6	F	69	68	68	97	08	5	10	250	5	F	69	68	68	97	17	5																													
04	10	250	5	F	67	66	65	93	13	6	10	5	5	F	69	68	68	97	12	4	8	3	1	F	67	67	67	100	00	0																													
07	10	220	2	F	66	65	65	97	20	4	10	5	2	F	69	68	68	97	16	6	1	UNL	2	F	67	66	66	97	19	7																													
10	10	UNL	6	H	76	70	67	74	17	7	10	8	2	F	73	71	70	90	18	5	0	UNL	7		75	63	55	50	22	10																													
13	10	UNL	7		82	72	67	61	13	6	7	45	6	H	82	73	69	65	14	8	0	UNL	8		80	66	57	45	16	8																													
16	10	30	5	RW	72	66	63	73	13	7	8	250	8		84	74	69	61	15	12	5	UNL	10		79	66	58	49	21	9																													
19	10	35	5	RWF	70	69	69	97	10	8	10	36	7		69	65	63	81	03	6	0	UNL	8		67	64	62	84	14	5																													
22	10	24	5	F	70	69	69	97	11	6	3	UNL	6	F	70	69	68	93	15	6	2	UNL	7		63	61	59	87	06	4																													
SEP 28																				SEP 29																				SEP 30																			
01	4	UNL	6	F	60	59	58	93	19	3	4	UNL	7		62	58	54	75	23	7	0	UNL	10		50	50	49	96	16	3																													
04	3	UNL	6	F	61	59	58	90	15	3	0	UNL	7		54	52	51	90	22	7	0	UNL	10		47	46	45	93	20	5																													
07	0	UNL	5	F	59	58	58	97	20	5	0	UNL	10		61	54	47	60	27	9	0	UNL	8		49	48	47	93	27	3																													
10	2	UNL	6	H	72	61	53	51	23	7	0	UNL	15		68	54	41	38	30	14	0	UNL	10		69	57	46	44	34	7																													
13	10	UNL	7		77	61	50	39	24	7	0	UNL	15		72	56	42	34	32	13	3	UNL	10		74	58	45	36	31	8																													
16	8	250	7		75	62	53	46	25	10	0	UNL	15		72	56	42	34	25	13	2	UNL	10		75	59	45	34	28	7																													
19	3	UNL	7		69	61	56	63	23	7	0	UNL	15		59	54	50	72	13	4	3	UNL	10		62	57	52	70	18	4																													
22	0	UNL	7		63	59	56	78	24	6	0	UNL	12		55	52	49	80	36	6	0	UNL	10		58	54	51	78	16	4																													

SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES						RESULTANT		
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	SPEED (MPH)	WIND	
				AIR ° F	WET BULB ° F	DEW POINT ° F			DIRECTION	SPEED (MPH)
01	4	29.870	62	60	58	88	4.9	30	0.8	
04	4	29.870	60	58	57	90	4.9	32	1.1	
07	4	29.900	62	60	58	88	6.4	30	2.5	
10	4	29.910	74	64	57	59	9.7	34	3.6	
13	6	29.870	79	65	56	46	9.8	33	3.7	
16	6	29.840	79	65	55	47	10.0	29	3.2	
19	6	29.850	69	63	58	70	7.0	03	1.1	
22	4	29.880	64	61	58	81	5.2	04	0.7	

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 DUST

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 ONE-MINUTE VALUE (MPH=KNOTS X 1.15).

