

AUG 1994
 RICHMOND, VA
 NOAA-NATIONAL WEATHER SERVICE
 RIC INTL APT/EXECUTIVE 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

AUG 1994
 RICHMOND, VA

DATE	TEMPERATURE ° F			DEGREE DAYS BASE 65 ° F		WEATHER TYPES		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		1 FOG 2 HEAVY FOG 3 THUNDERSTORMS 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	WATER EQUIVALENT		SNOW-ICE PELLETS	RESULTANT DIR	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIR	FASTEST 1-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	87	69	78	0	71	0	13	2	8	0	0.0	29.940	17	2.1	4.5	16	NW	10	31	317	38	10	8		
02	90	71	81	3	72	0	16	1	3	8	0	0.14	0.0	29.880	23	1.1	5.6	17	NE	14	05	355	42	9	8
03	88	71	80	2	72	0	15	1	8	8	0	0.00	0.0	29.915	24	2.4	5.1	12	S	8	23	357	42	8	8
04	92	71	82	4	71	0	17	1	8	8	0	0.00	0.0	29.860	20	9.9	10.3	25	S	16	19	489	58	5	4
05	88	68	78	0	70	0	13	1	3	8	0	0.48	0.0	29.730	24	4.8	12.0	41	SW	23	25	189	23	9	8
06	74	58	66*	-12	55	0	1				0	0.00	0.0	29.950	36	7.8	8.7	21	N	14	01	594	71	4	3
07	78	55	67	-11	56	0	2				0	0.00	0.0	29.980	05	4.3	5.8	16	NE	10	08	546	65	6	6
08	82	57	70	-8	58	0	5	1			0	0.00	0.0	29.970	05	3.4	5.0	14	NE	9	09	616	74	4	3
09	86	59	73	-5	62	0	8			8	0	0.00	0.0	29.960	15	3.8	4.7	16	S	9	18	805	97	0	0
10	88	64	76	-2	68	0	11	1		8	0	0.00	0.0	29.970	09	2.7	6.1	12	NE	10	05	565	68	4	3
11	91	67	79	1	70	0	14	1		8	0	0.00	0.0	30.000	17	6.4	7.5	17	S	13	15	695	84	3	4
12	93	72	83	5	72	0	18	1		8	0	0.00	0.0	30.010	18	9.3	9.5	24	S	16	18	470	57	8	7
13	94*	74	84*	7	71	0	19				0	0.00	0.0	29.970	20	12.2	12.4	26	SW	17	21	810	99	7	5
14	92	71	82	5	71	0	17	1	3		0	0.94	0.0	29.790	21	12.8	14.3	43	NW	28	29	720	88	7	6
15	76	65	71	-6	63	0	6	1	3		0	0.05	0.0	29.870	06	2.4	6.5	18	N	15	36	310	38	10	9
16	74	62	68	-9	66	0	3	1			0	0.22	0.0	29.990	09	4.7	5.6	13	E	9	07	0	0	10	9
17	85	69	77	0	73	0	12	1			0	0.58	0.0	29.830	13	10.1	11.5	31	S	20	13	215	26	9	9
18	87	70	79	2	68	0	14				0	0.00	0.0	29.800	25	6.2	8.1	16	NW	14	25	558	69	5	6
19	85	68	77	0	70	0	12	1		8	0	0.01	0.0	29.860	12	3.8	6.0	14	E	12	10	259	32	9	9
20	88	65	77	1	69	0	12	1		8	0	0.00	0.0	29.800	17	7.9	8.1	16	S	13	17	660	82	2	3
21	89	70	80	4	71	0	15	1		8	0	0.05	0.0	29.620	19	8.9	10.7	28	S	16	32	224	28	9	8
22	80	63	72	-4	65	0	7	1		8	0	0.00	0.0	29.680	32	7.1	9.5	26	N	17	34	396	49	6	4
23	78	57	68	-8	56	0	3				0	0.00	0.0	29.980	35	5.7	6.6	15	SE	13	35	774	97	1	2
24	80	55*	68	-8	56	0	3				0	0.00	0.0	30.110	11	2.9	5.2	13	E	10	14	754	95	5	3
25	84	56	70	-6	62	0	5	1		8	0	0.00	0.0	30.040	18	6.1	6.7	14	S	10	22	574	72	1	1
26	89	64	77	2	66	0	12	1		8	0	0.00	0.0	29.930	10	1.6	5.7	15	N	10	02	668	84	3	5
27	88	69	79	4	69	0	14	1	3		0	0.05	0.0	29.890	28	2.2	5.4	23	N	13	30	151	19	10	9
28	91	64	78	3	68	0	13	1		8	0	0.00	0.0	29.810	21	6.1	6.7	17	W	12	21	726	92	3	3
29	88	71	80	5	69	0	15	1		8	0	0.00	0.0	29.730	24	3.9	9.4	25	SW	16	23	330	42	9	8
30	84	62	73	-2	60	0	8	1			0	0.00	0.0	29.910	04	3.8	5.9	14	NE	9	12	645	82	4	4
31	89	59	74	-1	66	0	9	1		8	0	0.02	0.0	29.850	19	7.4	8.2	20	SW	14	21	595	76	3	4
SUM	SUM			TOTAL		TOTAL		NUMBER OF DAYS		TOTAL		TOTAL		FOR THE MONTH :				TOTAL		SUM					
2658	2016			0		332		0		2.54		0.0		29.890 18 2.5 7.7 43 NW 28 29				15367		FOR 183 168					
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.				DATE: 14		DATE: 14		POSS MONTH		AVG						
85.7	65.0	75.4	-1.4	66.3	0	-34	.01 INCH		-1.86								25234		61 5.9 5.4						
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																			
MAXIMUM TEMP.				MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS															
≥ 90°				≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		1		0.99 14-15		0.0		0					
7				0		0		249		CLEAR		8		PARTLY CLOUDY		11		CLOUDY		12					

* 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.
 † ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

COLS 16 & 17 : PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED.
 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).
 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.

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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

AUG 1994 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE	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)
AUG 01																																		
01	6	150	6	F	72	71	71	97	26	3	6	130	6	F	74	73	73	97	17	4	8	280	5	F	73	72	72	97	30	4				
04	1	UNL	6	F	70	69	69	97	15	3	7	140	5	F	72	72	72	100	30	3	10	270	3	F	72	72	72	100	27	5				
07	10	3	6	F	71	71	71	100	19	6	5	UNL	4	F	76	74	73	91	13	3	10	4	2	F	73	72	72	97	28	6				
10	10	11	5	H	81	75	72	74	14	5	8	UNL	6	H	85	75	71	63	22	3	10	10	3	H	78	75	73	85	02	4				
13	10	UNL	7	H	86	76	71	61	18	3	10	40	6	H	89	76	70	54	20	3	9	28	6	H	85	77	73	67	09	4				
16	9	95	8	H	79	74	72	79	30	5	8	150	7	H	88	77	72	59	23	7	7	UNL	5	H	87	77	72	61	21	5				
19	9	130	10	F	79	75	73	82	04	3	10	36	7	F	76	73	72	88	05	10	8	UNL	6	H	82	75	72	72	23	7				
22	7	130	6	F	76	74	73	91	00	0	10	140	5	TF	73	72	72	97	09	7	8	UNL	5	H	77	74	73	88	20	6				
AUG 02																																		
01	6	150	6	F	72	71	71	97	26	3	6	130	6	F	74	73	73	97	17	4	8	280	5	F	73	72	72	97	30	4				
AUG 03																																		
01	9	140	3	F	75	73	72	90	22	5	0	UNL	8	F	75	72	71	87	19	10	4	UNL	12	F	67	63	60	78	35	10				
AUG 04																																		
01	9	140	3	F	75	73	72	90	22	5	0	UNL	8	F	75	72	71	87	19	10	4	UNL	12	F	67	63	60	78	35	10				
AUG 05																																		
01	9	140	3	F	75	73	72	90	22	5	0	UNL	8	F	75	72	71	87	19	10	4	UNL	12	F	67	63	60	78	35	10				
AUG 06																																		
01	9	140	3	F	75	73	72	90	22	5	0	UNL	8	F	75	72	71	87	19	10	4	UNL	12	F	67	63	60	78	35	10				
AUG 07																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 08																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 09																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 10																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 11																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 12																																		
01	0	UNL	10		57	56	55	93	00	0	0	UNL	10		60	59	58	93	33	3	0	UNL	10		61	59	58	90	00	0				
AUG 13																																		
01	0	UNL	15		77	74	73	88	19	7	3	UNL	15		76	71	69	79	20	9	10	65	5		73	72	72	97	23	5				
AUG 14																																		
01	0	UNL	15		77	74	73	88	19	7	3	UNL	15		76	71	69	79	20	9	10	65	5		73	72	72	97	23	5				
AUG 15																																		
01	0	UNL	15		77	74	73	88	19	7	3	UNL	15		76	71	69	79	20	9	10	65	5		73	72	72	97	23	5				
AUG 16																																		
01	8	UNL	5	F	63	63	63	100	00	0	10	12	6	F	69	68	68	97	04	4	5	UNL	10		74	73	72	94	21	8				
AUG 17																																		
01	8	UNL	5	F	63	63	63	100	00	0	10	12	6	F	69	68	68	97	04	4	5	UNL	10		74	73	72	94	21	8				
AUG 18																																		
01	8	UNL	5	F	63	63	63	100	00	0	10	12	6	F	69	68	68	97	04	4	5	UNL	10		74	73	72	94	21	8				

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.18	0.32	0.38	0.41	0.57	0.73	0.77	0.88	0.90	0.92	0.92	0.94
ENDED: DATE	05	05	14	14	14	14	14	14	14	14	14	14
ENDED: TIME (LST)	1223	1226	2151	2155	2147	2200	2153	2200	2214	2159	2159	2259

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.

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1994 13740
RICHMOND, VA

HOUR	L.S.T.	AUG 19				AUG 20				AUG 21				AUG 22				AUG 23				AUG 24				AUG 25				AUG 26				AUG 27				AUG 28				AUG 29				AUG 30				AUG 31				
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE VISIBILITY	WEATHER	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE VISIBILITY	WEATHER	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE VISIBILITY	WEATHER	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE VISIBILITY	WEATHER	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	16THS MILE VISIBILITY	WEATHER	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %
01	10	250	8			71	70	69	93	34	3	0	UNL	6			70	69	68	93	17	4	3	UNL	7				73	70	69	87	18	8																				
04	10	140	7			70	69	68	93	00	0	0	UNL	6			67	66	65	93	17	4	10	10	7			73	71	70	90	19	9																					
07	10	140	7			72	71	70	94	05	3	0	UNL	6			69	68	67	93	16	3	9	11	6			74	72	71	90	17	8																					
10	7	UNL	7			83	73	68	61	11	7	0	UNL	6			81	73	69	67	17	9	10	140	5			82	76	73	74	19	10																					
13	10	250	6		H	83	74	70	65	13	8	1	UNL	6			86	75	70	59	18	9	5	UNL	5			88	77	73	61	19	12																					
16	10	150	6		H	82	75	71	69	12	8	4	UNL	6			88	76	70	55	18	10	10	130	5			85	76	72	65	20	14																					
19	9	150	6		H	78	75	73	85	14	6	9	250	7			79	73	70	74	16	8	10	15	6			74	72	71	90	22	8																					
22	10	UNL	6		F	72	71	70	94	19	4	10	UNL	7			76	73	71	85	18	7	10	120	7			71	68	67	87	26	3																					

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).

SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES					RESULTANT		
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			SPEED (MPH)	DIRECTION	
				AIR ° F	WET BULB ° F	DEW POINT ° F			
01	4	29.900	69	67	66	90	5.6	20	2.8
04	5	29.890	67	66	65	92	6.0	20	1.7
07	6	29.910	69	67	66	89	6.6	20	2.5
10	5	29.920	79	71	66	66	8.7	20	3.2
13	6	29.890	83	72	67	58	8.4	18	3.9
16	6	29.860	83	72	67	59	10.5	16	2.0
19	6	29.870	76	71	68	75	7.8	14	2.9
22	6	29.895	71	69	67	86	7.0	16	2.7

