

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

APR 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	DIR	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	56	40	48	-5	24.6	17	0		0	0.00	0.0	29.795	01	5.2	8.2	20	E	12	11	643	85	5	6
02	58	35	47	-6	31.0	18	0		0	0.01	0.0	29.850	35	4.0	6.2	18	NW	15	32	584	77	7	6
03	69	32	51	-3	33.5	14	0	1	0	0.00	0.0	29.960	18	9.7	9.8	23	S	18	18	762	100	4	3
04	73	40	57	3	37.8	8	0		0	0.00	0.0	29.640	23	10.2	15.3	35	SW	23	22	551	72	9	6
05	56	29*	43*	-11	16.5	22	0		0	0.00	0.0	29.920	33	3.0	7.4	22	W	15	36	765	100	6	6
06	66	34	50	-5	35.0	15	0		0	0.00	0.0	29.850	16	7.7	9.5	22	S	18	19	612	80	10	9
07	77	40	59	4	41.0	6	0		0	0.00	0.0	29.720	03	1.0	6.6	18	N	14	31	764	99	0	1
08	84	46	65	10	43.4	0	0		0	0.00	0.0	29.685	19	7.0	11.2	29	S	21	20	752	97	6	3
09	85	55	70	15	49.4	0	5		0	0.00	0.0	29.610	20	12.9	14.0	30	SW	20	20	716	92	6	5
10	72	46	59	3	43.5	6	0	1	0	0.01	0.0	30.000	03	9.1	10.6	25	N	21	02	120	15	10	9
11	64	45	55	-1	45.1	10	0	1	0	T	0.0	30.170	07	6.2	7.2	14	NE	12	10	243	31	10	9
12	78	51	65	9	56.0	0	0	1 3	8	0	0.34	29.920	17	8.7	11.8	32	S	23	25	280	36	10	10
13	72	49	61	4	46.4	4	0	2		0	0.13	29.650	29	5.4	7.9	30	NW	14	26	462	59	8	7
14	62	37	50	-7	31.6	15	0		0	0.00	0.0	29.740	33	6.8	8.9	24	NW	15	01	434	55	6	4
15	68	33	51	-6	26.5	14	0		0	0.00	0.0	29.815	29	7.2	8.5	21	SW	18	30	743	94	5	5
16	77	43	60	3	37.9	5	0		0	T	0.0	29.790	21	1.4	3.4	14	W	8	24	552	70	9	7
17	62	47	55	-3	44.5	10	0		0	0.07	0.0	29.830	05	5.0	5.8	14	E	10	05	202	25	10	10
18	73	47	60	2	50.6	5	0		0	T	0.0	29.840	10	4.3	6.6	15	SE	12	11	292	37	10	9
19	92*	59	76*	18	58.8	0	11	1	8	0	0.00	29.620	21	9.2	11.5	29	SW	21	25	678	85	3	3
20	82	59	71	13	49.3	0	6		0	0.00	0.0	29.780	07	4.5	9.2	17	SE	13	11	632	79	7	6
21	85	57	71	12	57.4	0	6		0	T	0.0	29.660	20	7.2	9.5	24	SW	17	22	374	47	8	7
22	87	57	72	13	48.1	0	7	1		0	0.00	29.680	27	7.6	11.7	35	SW	21	27	727	90	6	5
23	60	46	53	-7	35.4	12	0	1		0	0.21	29.810	01	3.1	8.8	25	N	16	36	343	42	9	8
24	49	45	47	-13	45.3	18	0	1 3		0	0.54	29.570	35	7.3	8.0	17	N	14	36	0	0	10	10
25	70	42	56	-4	39.3	9	0	1		0	0.00	29.790	27	6.1	7.1	20	W	10	28	768	95	2	2
26	71	40	56	-5	37.5	9	0		0	0.00	0.0	29.990	17	1.6	5.5	20	W	10	15	811	100	2	1
27	78	46	62	1	47.8	3	0	1	8	0	0.00	29.865	19	11.2	11.7	31	S	18	20	654	80	4	4
28	75	47	61	0	45.1	4	0		0	T	0.0	29.760	34	3.2	7.7	18	NW	12	03	762	93	2	3
29	74	46	60	-1	40.1	5	0		0	0.00	0.0	29.860	02	0.9	6.8	17	NE	14	03	767	94	3	2
30	67	48	58	-3	52.1	7	0	1 3	8	0	0.67	29.710	36	4.4	7.7	22	W	14	34	45	5	10	9
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH :				TOTAL	%	SUM	SUM				
2142	1341					236	35			1.98	0.0	29.795	23	1.2	8.8	35	SW	23	25	16038	FOR	197	175
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.					DATE: 22+	DATE: 12+	POSS	MONTH	AVG	AVG					
71.4	44.7	58.1	0.8	41.7	-5	2.5	≥ .01 INCH	-0.98					23732	68	6.6	5.8							
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, OR HAIL AND DATE												
					TOTAL	TOTAL																	
					3373	36	THUNDERSTORMS	3	PRECIPITATION	SNOW, ICE PELLETS													
					≥ 90°	≥ 90°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	1	0.74	23-24	0.0	0							
1	0	2	0	-529	26	CLEAR	6	PARTLY CLOUDY	11	CLOUDY	13												

* 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.
 + 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 TWO MINUTE WIND - HIGHEST TWO 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.

OBSERVATIONS AT 3-HOUR INTERVALS APR 1995 13740
RICHMOND, VA

HOUR	L. S. T.	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)												
APR 01																						APR 02						APR 03					
01	8	90	10			46	38	27	48	01	8	10	55	10			43	38	32	65	02	4	1	UNL	10			35	33	30	82	00	0
04	8	85	10			42	35	25	51	36	8	10	23	7	R	42	39	35	76	03	3	4	0	UNL	10		F	35	34	33	92	00	0
07	7	80	10			42	35	25	51	01	7	9	90	7		41	39	37	86	03	3	0	0	UNL	6			34	33	31	89	00	0
10	5	UNL	10			48	38	21	34	36	8	8	UNL	7		52	44	33	49	19	5	0	0	UNL	7			55	46	36	49	18	13
13	3	UNL	12			53	40	21	29	32	7	10	50	7		54	43	28	37	28	9	9	9	UNL	7			64	50	34	33	22	13
16	5	UNL	12			56	42	21	26	27	3	5	UNL	10		55	43	27	34	34	8	10	10	UNL	8			68	52	34	29	19	13
19	6	90	10			49	40	26	41	09	5	0	UNL	10		49	40	26	41	35	7	3	3	UNL	10			59	47	33	38	18	11
22	7	75	10			44	38	30	58	10	7	0	UNL	10		39	35	28	65	12	5	5	4	UNL	10			56	46	33	42	18	10
APR 04																						APR 05						APR 06					
01	0	UNL	10			55	46	36	49	19	15	0	UNL	15		38	33	23	55	01	11	10	UNL	12			38	35	31	76	05	3	
04	0	UNL	10			54	47	39	57	20	14	0	UNL	15		33	29	22	64	30	4	7	7	UNL	10			34	33	31	89	10	6
07	9	160	10			55	49	43	64	21	11	9	UNL	15		33	29	20	59	05	7	10	250	10			38	37	35	89	13	6	
10	10	130	7			63	53	44	50	22	14	0	UNL	15		41	31	12	30	33	7	10	250	10			52	46	40	64	16	9	
13	10	130	7			71	56	43	37	24	18	9	UNL	10		50	37	13	23	25	5	10	250	10			62	49	34	35	17	11	
16	8	250	10			73	56	41	32	23	17	8	UNL	12		55	38	5	13	29	12	8	UNL	10			66	50	31	27	19	16	
19	8	75	15			69	52	33	27	29	8	7	UNL	12		47	35	13	25	10	4	10	200	15			58	48	38	48	18	10	
22	0	UNL	15			53	42	28	38	01	17	10	UNL	12		39	34	27	62	11	7	7	7	UNL	15			53	47	41	64	18	9
APR 07																						APR 08						APR 09					
01	3	UNL	10			47	44	41	80	20	6	0	UNL	10		53	47	40	62	06	12	1	UNL	10			65	55	46	50	20	8	
04	1	UNL	10			45	43	41	86	18	4	1	UNL	10		49	44	38	66	03	5	2	UNL	10			56	52	49	78	18	8	
07	0	UNL	7			48	46	44	86	00	0	7	250	7		49	45	40	71	35	6	2	UNL	7			62	58	54	75	19	11	
10	0	UNL	10			66	54	44	45	34	7	4	UNL	8		66	57	49	55	18	5	7	UNL	10			74	62	54	50	21	14	
13	0	UNL	10			74	56	40	29	36	8	8	UNL	10		78	61	49	36	20	10	8	UNL	10			83	64	51	33	21	15	
16	1	UNL	10			76	57	40	28	00	0	8	UNL	10		84	61	43	24	20	18	9	UNL	10			84	63	48	29	20	17	
19	1	UNL	10			66	54	42	42	11	5	1	UNL	10		76	58	43	31	19	11	7	UNL	10			77	60	47	35	20	15	
22	0	UNL	10			58	48	38	48	10	7	0	UNL	10		73	58	45	37	19	15	10	UNL	10			74	58	45	36	19	11	
APR 10																						APR 11						APR 12					
01	2	UNL	10			70	57	46	42	33	8	10	29	7		48	44	40	74	09	5	7	UNL	10			52	51	49	90	13	6	
04	10	12	10			59	57	55	87	02	13	10	17	7		47	43	37	68	05	5	10	4	5		F	53	52	51	93	06	4	
07	10	15	4		F	48	46	43	83	02	14	10	11	2	8	45	44	42	89	01	5	10	2	0	12	F	54	54	53	96	08	4	
10	10	15	7			48	45	42	80	04	9	10	12	7		51	49	46	83	08	7	10	7	3		F	63	60	57	81	14	10	
13	10	21	7			48	46	44	86	04	10	10	24	8		57	52	47	69	34	3	10	250	8			74	64	58	58	19	17	
16	10	24	7			51	46	41	69	01	9	10	50	10		64	55	48	56	07	6	10	55	10			75	64	56	52	18	17	
19	4	UNL	10			48	43	37	66	06	5	10	31	10		59	53	47	65	06	6	10	40	5		RW	67	63	61	81	19	12	
22	10	28	10			48	44	40	74	03	7	9	48	10		54	51	48	80	14	5	10	28	7		RW	67	64	62	84	18	16	
APR 13																						APR 14						APR 15					
01	10	110	7			57	56	56	97	06	4	0	UNL	10		49	41	31	50	31	5	0	UNL	10			39	36	32	76	33	7	
04	10	0	0		2	52	52	52	100	18	3	5	UNL	10		41	38	33	73	13	3	0	UNL	10			38	35	30	73	28	5	
07	8	250	7			54	54	54	100	18	4	9	70	12		47	41	33	58	27	6	0	UNL	10			41	37	30	65	31	5	
10	4	UNL	12			64	57	52	65	22	6	8	90	10		54	45	35	49	34	6	3	UNL	10			54	43	27	35	28	7	
13	8	65	12			70	56	44	39	30	9	7	60	10		57	45	31	37	31	12	4	UNL	10			62	45	22	22	29	11	
16	10	65	12			68	55	43	41	28	9	3	UNL	12		61	47	29	30	34	12	9	UNL	12			66	46	19	16	30	13	
19	7	65	12			61	54	47	60	32	10	0	UNL	12		54	44	31	42	01	13	10	UNL	12			61	45	23	23	25	8	
22	8	75	12			55	46	36	49	32	10	0	UNL	12		45	39	30	56	36	7	10	UNL	10			47	41	33	58	00	0	
APR 16																						APR 17						APR 18					
01	5	UNL	10			44	40	35	71	21	3	10	UNL	10		52	48	44	74	02	3	10	40	7			49	48	47	93	05	4	
04	10	90	10			48	43	37	66	07	4	10	250	10		52	49	45	77	00	0	7	42	7			49	48	47	93	04	4	
07	10	250	10			50	45	39	66	00	0	10	200	10		53	47	40	62	03	8	10	250	7			49	48	46	90	04	5	
10	8	100	10			65	49	31	28	24	5	10	180	10		61	50	38	43	01	7	10	17	10			61	55	49	65	00	0	
13	7	110	10			73	54	34	24	25	5	10	90	10		60	52	44	56	09	7	10	150	10			67	59	53	61	11	7	
16	10	250	10			75	56	38	26	30	6	10	80	7	R	55	53	51	87	06	4	10	200	7			70	62	56	61	14	9	
19	8	250	10			69	55	43	39	14	4	10	55	7		52	50	48	86	10	7	7	130	7			64	58	54	70	11	10	
22	1	UNL	10			54	50	45	72	00	0	9	85	7		50	49	47	90	03	3	6	130	7			58	55	52	81	12	5	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.10	0.13	0.17	0.23	0.32	0.40	0.49	0.51	0.53	0.54	0.56
ENDED: DATE	12	30	30	30	30	30	30	30	30	30	30	30
ENDED: TIME (LST)	1843	0738	0742	0738	0748	0748	0740	0753	0753	0753	0753	0759

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 APR 1995 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY		WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY		WEATHER	TEMPERATURE			WIND															
				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)												
APR 19																																			
01	10	UNL	7				60	58	57	90	14	8	4	UNL	8			61	59	57	87	31	5	10	60	10				59	54	50	72	13	3
04	10	UNL	8			F	65	64	63	93	18	10	0	UNL	10			64	55	46	52	36	9	5	UNL	10				57	53	50	78	05	3
07	10	UNL	7			F	66	65	64	93	18	10	2	UNL	12			64	55	47	54	02	8	10	180	10				59	56	53	81	12	5
10	0	UNL	10				80	69	63	56	21	12	8	UNL	12			72	58	47	41	04	7	10	130	10				70	64	60	71	16	10
13	0	UNL	12				89	68	55	32	25	16	8	UNL	12			80	63	50	35	14	7	10	250	10				84	70	62	48	21	14
16	3	UNL	12				91	68	54	29	25	14	9	95	10			79	63	51	38	12	6	8	130	10				84	69	60	44	21	14
19	0	UNL	10				78	65	57	49	19	8	8	250	10			69	60	53	57	10	11	2	UNL	10				75	66	60	60	20	8
22	0	UNL	10				73	63	57	57	22	6	8	130	10			61	54	48	63	13	7	2	UNL	10				72	65	60	66	24	7
APR 20																																			
APR 21																																			
APR 22																																			
APR 23																																			
APR 24																																			
APR 25																																			
APR 26																																			
APR 27																																			
APR 28																																			
APR 29																																			
APR 30																																			

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.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES			REL HUMIDITY%	SPEED (MPH)	RESULTANT WIND	
				TEMPERATURE					DIRECTION	SPEED (MPH)
				AIR ° F	WET BULB ° F	DEW POINT ° F				
01	4		29.810	51	47	42	73	7.4	02	0.8
04	5		29.800	49	46	42	78	6.4	03	1.0
07	6		29.840	50	47	43	77	6.7	01	1.8
10	6		29.840	61	52	42	53	9.4	23	1.1
13	7		29.795	67	54	41	42	10.6	24	5.2
16	7		29.740	69	54	40	40	11.9	23	5.6
19	6		29.750	62	52	42	51	9.7	17	1.7
22	5		29.795	56	49	42	64	8.6	14	1.7

NATIONAL CLIMATIC DATA CENTER
 FEDERAL BUILDING ROOM 120
 151 PATTON AVENUE
 ASHEVILLE, NORTH CAROLINA 28801-5001

FIRST CLASS
 POSTAGE AND FEES PAID
 NOAA
 PERMIT G-19

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE \$300

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1995 13740
 RICHMOND, VA
 USCOM - NOAA - ASHEVILLE, NC 275

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		T		0.01	T											T	T							02	
03																								03	
04																								04	
05																								05	
06																								06	
07																								07	
08																								08	
09																								09	
10					T	T	T					0.01												10	
11							T	T	T															11	
12															T	0.01		0.13	T	0.02	T	0.10	0.08	12	
13	0.13																							13	
14																								14	
15																								15	
16				T																				16	
17												T												17	
18											0.01		T	T	0.02	0.03	0.01	T	T					18	
19																								19	
20																								20	
21					T	T																		21	
22																								22	
23																								23	
24	0.14	0.14	0.14	0.08	T	0.03	T	T	T	T	T	T	T		T	T	T	0.01	0.05	0.05	0.01	T	0.09	24	
25																			T	T	T	0.01			25
26																								26	
27																								27	
28			T																					28	
29																								29	
30						0.05	0.11	0.40	0.02	0.02				T	T	0.06	0.01					T		30	