



LOCAL CLIMATOLOGICAL DATA MONTHLY SUMMARY

INQUIRIES/COMMENTS CALL
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R.E.BYRD INTERNATIONAL AP.

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

APR 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) 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					
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	63	44	54	1	36	11	0	1	0	0.04	0.0	29.910	31	6.4	9.9	24	NW	16	35	726	96	0	2	
02	72	37	55	2	36	10	0	0	0	0.00	0.0	30.000	17	9.4	9.8	30	S	20	17	758	100	0	0	
03	76	49	63	9	42	2	0	0	0	T	0.0	29.795	19	11.7	14.8	35	SW	22	20	631	83	9	8	
04	64	44	54	0	35	11	0	0	0	T	0.0	29.830	01	7.0	9.3	20	N	16	36	742	97	2	3	
05	75	39	57	3	45	8	0	2	0	0.00	0.0	29.790	17	9.4	9.8	25	S	15	19	533	69	6	6	
06	71	57	64	9	57	1	0	1	8	0	0.24	0.0	29.640	19	9.7	11.3	21	S	16	20	107	14	10	10
07	68	42	55	0	38	10	0	0	0	0.07	0.0	29.845	30	10.4	13.7	31	W	20	27	624	81	3	4	
08	61	35	48*	-7	24	17	0	0	0	0.00	0.0	30.260	03	3.6	7.3	18	N	14	01	645	83	4	3	
09	72	34*	53	-2	38	12	0	0	0	0.00	0.0	30.150	18	9.5	10.0	25	S	17	20	627	81	7	6	
10	79	61	70	14	54	0	5	0	0	0.00	0.0	29.935	21	13.1	15.5	36	S	24	20	470	60	10	9	
11	66	52	59	3	43	6	0	0	0	T	0.0	30.210	04	7.7	8.9	18	N	14	01	0	0	10	10	
12	77	50	64	8	50	1	0	0	0	T	0.0	30.080	16	3.7	7.9	22	S	16	22	343	44	10	10	
13	80	64	72	15	62	0	7	1	0	0.35	0.0	29.645	18	12.5	12.9	35	S	20	19	185	24	9	7	
14	82	52	67	10	48	0	2	1	0	0.00	0.0	29.760	20	7.7	9.7	22	S	20	20	514	65	1	1	
15	84	51	68	11	53	0	3	1 3	0	0.21	0.0	29.830	18	11.3	11.7	30	SW	21	19	567	72	7	6	
16	73	57	65	8	47	0	0	0	0	0.22	0.0	29.700	24	12.0	14.7	33	W	24	28	202	26	5	5	
17	76	44	60	2	34	5	0	0	0	0.00	0.0	29.840	25	7.7	8.5	25	W	16	25	336	42	3	2	
18	78	44	61	3	37	4	0	0	0	0.00	0.0	29.960	21	3.7	7.8	16	S	15	18	697	88	2	1	
19	89	60	75	17	46	0	10	0	0	0.00	0.0	29.810	20	12.2	12.4	28	SW	17	22	725	91	6	5	
20	80	56	68	10	45	0	3	0	0	0.00	0.0	29.845	35	1.6	8.0	21	N	14	01	768	96	2	1	
21	73	51	62	3	41	3	0	0	0	0.00	0.0	29.880	02	2.5	7.0	15	S	10	18	482	60	7	7	
22	59	41	50	-9	39	15	0	1	0	0.04	0.0	29.930	01	7.2	8.8	22	N	18	01	131	16	8	7	
23	68	37	53	-7	37	12	0	0	0	0.00	0.0	29.960	11	1.9	8.7	17	E	15	06	806	100	0	0	
24	83	43	63	3	42	2	0	0	0	0.00	0.0	29.800	21	9.4	10.7	18	SW	16	23	747	92	4	2	
25	88	51	70	10	50	0	5	0	0	0.00	0.0	29.730	22	5.0	7.1	15	S	12	25	783	96	1	1	
26	93*	55	74	13	57	0	9	8	0	0.00	0.0	29.770	20	7.4	8.2	16	S	12	20	672	82	3	4	
27	91	63	77*	16	64	0	12	1 3	8	0	0.07	0.0	29.840	21	10.1	10.4	37	SW	18	25	602	74	7	7
28	87	58	73	12	58	0	8	1	0	0.00	0.0	30.000	08	3.3	7.7	21	E	14	09	515	63	5	6	
29	89	56	73	12	62	0	8	1 3	8	0	1.46	0.0	30.030	12	2.4	8.1	45	NW	24	33	602	73	5	5
30	83	62	73	12	64	0	8	2	8	0	0.00	0.0	29.900	19	8.2	9.2	18	S	15	18	623	76	8	8
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH :				TOTAL	%	SUM	SUM					
2300	1489					130	80			2.70	0.0	29.890	20	4.3	10.0	45	NW	24	33	16163	FOR	154	146	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.					DATE:29	DATE:29+	POSS	MONTH	AVG	AVG					
76.7	49.6	63.2	5.9	46.0	-111	70	≥ .01 INCH		9	-0.26							23732	68	5.1	4.9				
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											
						TOTAL	TOTAL	≥ 1.0 INCH																
MAXIMUM TEMP.		MINIMUM TEMP.		3761	85	THUNDERSTORMS		3	PRECIPITATION		SNOW, ICE PELLETS		AND DATE											
≥ 90°		≤ 32°		≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	2	1.46	29	0.0	0											
2		0		0	0	-141	75	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. 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.



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

APR 1994 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							
		01	04	07	10	13	16	19	22	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 19											APR 20											APR 21										
01	5	UNL	12		62	51	40	45	19	9	0	UNL	8		72	59	49	44	24	8	0	UNL	12		54	50	47	77	05	6		
04	9	130	12		63	52	42	46	20	9	0	UNL	8		66	57	50	57	26	5	8	130	10		52	50	47	83	05	5		
07	10	130	12		62	53	45	54	19	8	5	UNL	8		64	57	51	63	36	11	8	130	12		56	50	43	82	02	6		
10	3	UNL	10		78	61	47	34	21	11	2	UNL	15		71	55	39	31	35	9	10	110	12		64	50	36	36	02	8		
13	5	UNL	10		85	64	48	28	22	15	0	UNL	15		76	56	38	25	32	6	6	130	12		68	52	36	31	35	5		
16	8	250	8		86	63	47	26	21	13	0	UNL	15		80	58	39	23	23	7	5	UNL	12		70	53	36	29	27	7		
19	0	UNL	8		80	62	48	33	20	11	0	UNL	15		70	58	48	46	13	8	3	UNL	12		64	52	39	40	15	6		
22	0	UNL	8		74	59	47	38	20	10	0	UNL	15		59	52	46	62	03	7	9	UNL	12		57	50	44	62	00	0		
APR 22											APR 23											APR 24										
01	10	95	10		59	48	36	42	01	13	0	UNL	7		41	40	39	93	32	8	0	UNL	10		47	43	38	71	18	8		
04	10	100	10		54	45	35	49	36	15	0	UNL	7		39	38	37	93	33	6	0	UNL	10		45	42	38	77	18	8		
07	10	65	8	R	46	44	42	86	36	8	0	UNL	7		45	43	40	83	01	8	5	UNL	10		52	47	42	69	21	9		
10	10	65	7	R	46	45	44	93	36	9	0	UNL	10		58	48	36	44	08	7	8	180	10		69	55	43	39	23	10		
13	10	60	7		48	44	40	74	01	7	0	UNL	12		64	49	32	30	09	6	7	UNL	10		79	59	42	27	27	7		
16	9	75	8		54	46	37	53	03	6	0	UNL	15		67	50	32	27	22	10	0	UNL	12		82	60	43	25	22	12		
19	1	UNL	10		50	44	37	61	17	6	0	UNL	15		59	49	38	46	14	5	0	UNL	12		72	55	39	30	18	8		
22	0	UNL	10		44	42	39	83	28	4	0	UNL	15		50	45	38	64	14	8	0	UNL	10		66	56	47	51	19	7		
APR 25											APR 26											APR 27										
01	0	UNL	15		64	54	44	48	22	7	0	UNL	7		63	58	54	73	20	4	5	UNL	7		67	63	61	81	18	8		
04	0	UNL	15		60	52	44	56	23	6	0	UNL	6		57	55	53	87	18	7	5	UNL	7		68	64	62	81	19	7		
07	5	UNL	8		63	55	47	56	24	8	0	UNL	6	H	63	59	56	78	20	6	5	UNL	7		72	67	64	76	20	10		
10	1	UNL	10		80	63	51	37	24	7	0	UNL	6	H	80	67	59	49	23	4	3	UNL	6	H	81	71	66	60	22	10		
13	0	UNL	8		85	65	52	32	18	8	1	UNL	6	H	91	69	56	31	28	9	8	UNL	7		89	74	66	47	20	14		
16	0	UNL	7		88	66	52	29	22	6	9	UNL	6	H	91	69	55	30	20	10	10	250	7		86	72	64	48	22	14		
19	0	UNL	7		77	62	51	40	19	6	10	UNL	7		77	66	59	54	18	8	10	250	7		67	66	65	93	19	8		
22	0	UNL	7		66	60	55	68	16	6	10	250	7		71	64	59	66	19	8	8	250	7		65	64	63	93	20	6		
APR 28											APR 29											APR 30										
01	7	250	7		65	64	64	97	26	6	9	150	7		60	57	54	81	12	5	10	4	4		65	65	65	100	22	7		
04	7	UNL	6		59	59	59	100	13	4	0	UNL	7		56	54	53	90	10	5	9	150	5		65	64	63	93	27	5		
07	8	UNL	6		64	63	63	97	34	4	7	6	3	F	60	58	56	87	11	3	10	2	0	4	65	64	64	97	18	5		
10	7	UNL	7		76	65	58	54	02	11	1	UNL	3	H	75	68	64	69	00	0	10	13	3		72	68	66	82	21	10		
13	5	UNL	7		84	67	56	38	36	7	1	UNL	6	H	86	74	68	55	17	12	9	29	6		81	72	67	63	16	9		
16	2	UNL	8		86	67	56	36	16	7	8	UNL	6	H	86	73	67	53	16	11	10	250	7		82	72	67	61	18	10		
19	4	UNL	8		74	64	58	58	11	9	10	15	1	TRWH	66	62	60	81	27	10	4	UNL	10		74	66	61	64	17	8		
22	6	140	7		63	57	53	70	10	8	10	120	6	F	65	64	64	97	10	9	7	250	8		69	64	60	73	17	9		

WEATHER CODES AND NOTES

<p>* TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE ZL FREEZING DRIZZLE S SNOW</p>	<p>SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG</p>	<p>GF GROUND FOG BD BLOWING DUST BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST</p>
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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 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	29.890	57	52	46	69	9.4	20	3.1	
04	5	29.890	54	50	46	76	8.2	21	1.9	
07	6	29.930	55	51	47	76	8.3	24	1.8	
10	5	29.940	65	55	46	52	10.9	22	3.3	
13	5	29.890	73	58	45	40	11.7	22	5.8	
16	5	29.840	75	58	44	36	13.1	21	9.4	
19	4	29.850	66	56	46	50	9.6	18	6.1	
22	4	29.880	61	54	47	62	8.9	17	5.1	

