

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

ISSN # 0198-537X



LOCAL CLIMATOLOGICAL DATA

MONTHLY SUMMARY

INQUIRIES/COMMENTS CALL
 (704) 271-4800 VOICE
 271-4010 TDD/271-4876 FAX

R.E.BYRD INTERNATIONAL AP.

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

MAR 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 MINUTES	SKY COVER TENTHS							
	MAXIMUM	MINIMUM	AVERAGE				WATER EQUIVALENT	SNOW	ICE PELLETS		RESULTANT DIR	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST			DIRECTION	FASTEST 1-MIN					
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	44	30	37*	-6	28	28	0	1 4 8	0	0.41	0.3	30.140	08	4.0	7.5	14	NE	10	05	0	0	10	10
02	46	33	40	-3	37	25	0	1	0	2.42	0.0	29.520	02	11.9	13.6	30	NE	18	36	0	0	10	10
03	43	33	38	-6	32	27	0	1	0	0.04	0.4	29.210	31	12.0	12.6	31	NW	22	33	15	2	10	8
04	66	36	51	7	33	14	0	0	0	0.00	0.0	29.375	25	9.8	13.2	33	W	21	25	668	97	5	4
05	61	31	46	2	30	19	0	1	0	0.00	0.0	29.700	30	4.4	7.7	21	W	15	02	642	93	4	2
06	58	29	44	-1	30	21	0	0	0	0.00	0.0	30.030	14	5.3	7.2	18	SE	12	13	680	98	2	2
07	78	39	59	14	44	6	0	0	0	0.00	0.0	29.930	19	12.9	13.9	29	SW	21	22	640	92	5	5
08	79	44	62	17	51	3	0	1 3	0	0.39	0.0	29.875	22	5.3	12.8	28	N	22	36	529	76	7	8
09	45	36	41	-5	32	24	0	1	0	T	0.0	30.020	04	8.5	9.5	17	NE	13	03	0	0	10	10
10	49	37	43	-3	39	22	0	2	0	0.44	0.0	29.690	34	6.6	9.0	29	NW	22	34	61	9	10	10
11	49	31	40	-6	18	25	0	0	0	0.00	0.0	30.090	34	13.9	14.3	30	NW	22	34	691	98	1	2
12	53	30	42	-5	22	23	0	0	0	0.00	0.0	30.350	06	2.2	7.2	15	SE	9	15	664	94	4	3
13	62	33	48	1	31	17	0	0	0	0.00	0.0	30.030	19	10.4	10.7	22	S	18	21	582	82	8	8
14	61	43	52	5	32	13	0	0	0	0.00	0.0	29.685	36	4.6	8.1	23	N	18	36	530	74	5	5
15	72	41	57	9	33	8	0	0	0	T	0.0	29.470	23	6.3	10.0	26	W	20	22	406	57	8	8
16	54	32	43	-5	18	22	0	0	0	0.00	0.0	29.490	31	13.3	14.1	36	NW	29	32	651	91	2	2
17	49	27*	38	-10	7	27	0	0	0	0.00	0.0	29.680	30	10.9	12.2	25	NW	18	33	710	99	0	0
18	63	36	50	1	27	15	0	3	0	0.17	0.0	29.365	24	7.1	12.3	46	NW	23	32	214	30	8	7
19	58	36	47	-2	24	18	0	0	0	0.00	0.0	29.585	32	10.2	11.2	29	NW	21	30	707	98	2	4
20	66	29	48	-1	25	17	0	0	0	0.00	0.0	29.710	29	2.3	6.4	20	NW	15	30	645	89	4	5
21	52	43	48	-2	41	17	0	1	0	0.45	0.0	29.680	13	5.4	7.7	15	SE	13	12	0	0	10	10
22	65	43	54	4	34	11	0	1 8	0	0.02	0.0	29.710	29	7.9	9.6	32	NW	23	33	733	100	0	1
23	82	39	61	11	34	4	0	0	0	0.00	0.0	29.780	21	11.2	11.7	30	SW	21	20	688	94	6	4
24	83*	57	70*	19	52	0	5	0	0	T	0.0	29.710	20	11.3	11.8	22	SW	15	19	482	65	9	8
25	67	42	55	4	47	10	0	1 3	0	0.45	0.0	29.650	35	6.8	11.0	28	N	22	36	0	0	10	9
26	53	33	43	-8	28	22	0	0	0	T	0.0	29.970	06	3.8	9.2	21	N	15	35	623	84	9	7
27	68	43	56	4	52	9	0	1 3	0	1.34	0.0	29.640	17	8.8	10.6	33	NW	20	15	74	10	10	10
28	73	52	63	11	58	2	0	1	0	0.79	0.0	29.590	20	4.3	10.2	31	NW	17	22	21	3	10	10
29	56	44	50	-2	42	15	0	1	0	0.46	0.0	29.840	33	8.6	9.7	28	NW	18	33	328	44	9	8
30	60	35	48	-5	30	17	0	0	0	0.00	0.0	30.150	26	4.0	6.4	17	W	12	26	728	97	1	2
31	56	42	49	-4	43	16	0	1	0	0.54	0.0	29.990	09	3.2	8.0	18	N	16	34	69	9	10	10
SUM	SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH :				TOTAL	%	SUM	SUM					
1871	1159				497	5			7.92	0.7	29.760	28	2.4	10.3	46	NW	29	32	12781	FOR	199	192	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION		DEP.					DATE:18	DATE:16	POSS	MONTH	AVG	AVG					
60.4	37.4	48.9	0.9	34.0	-30	≥ .01 INCH		13	4.31						22283	57	6.4	6.2					
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											
MAXIMUM TEMP.		MINIMUM TEMP.		3631		5 THUNDERSTORMS		4 PRECIPITATION		SNOW, ICE PELLETS		AND DATE											
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP. DEP.		HEAVY FOG		1 2.55		01-02		0.4		03		trace		01	
0		0		8		0		-30		5 CLEAR		7		PARTLY CLOUDY		8		CLOUDY		16			

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

Kenneth D. Haden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1994 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)				TEMPERATURE				WIND				SKY COVER (TENTHS)				TEMPERATURE				WIND											
		01	04	07	10	AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	01	04	07	10	AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	01	04	07	10	AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
MAR 19																																	
01	5	UNL	10			50	42	31	48	31	15	4	UNL	10			35	31	25	67	18	3	10	250	10			46	39	28	50	09	6
04	10	47	10			44	37	26	49	34	15	5	UNL	10			29	27	23	78	19	4	10	230	10			44	38	30	58	12	7
07	3	UNL	7			39	33	23	53	35	8	7	250	10			35	31	25	67	00	0	10	90	10			45	40	33	63	10	7
10	1	UNL	8			45	36	21	39	34	13	1	UNL	8			53	41	25	34	24	8	10	130	8		R	47	43	37	68	14	7
13	5	UNL	8			52	40	21	30	31	9	5	UNL	10			62	45	23	22	28	11	10	45	6		R	47	46	44	89	14	6
16	1	UNL	12			57	43	24	28	25	12	5	UNL	10			65	47	22	19	31	9	10	4	2		RF	49	48	47	93	12	11
19	4	UNL	12			52	40	23	32	33	5	8	UNL	12			54	43	27	35	13	4	10	7	1		RF	50	50	49	96	16	5
22	5	UNL	12			44	37	25	47	35	8	10	UNL	12			47	40	29	50	13	5	10	3	0	12	LF	52	51	50	93	17	4
MAR 20																																	
MAR 21																																	
MAR 22																																	
MAR 23																																	
MAR 24																																	
MAR 25																																	
MAR 26																																	
MAR 27																																	
MAR 28																																	
MAR 29																																	
MAR 30																																	
MAR 31																																	

WEATHER CODES AND NOTES

* TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE ZL FREEZING DRIZZLE S SNOW	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	GF GROUND FOG BD BLOWING DUST BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST
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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		
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	SPEED (MPH)	WIND	
				AIR °F	WET BULB °F	DEW POINT °F			DIRECTION	SPEED (MPH)
01	7		29.770	44	40	34	68	8.4	22	1.1
04	6		29.765	42	39	33	72	7.9	27	1.4
07	6		29.790	42	39	34	74	8.5	34	2.1
10	7		29.810	49	43	33	58	12.7	28	2.8
13	6		29.760	55	46	34	51	12.4	26	5.9
16	6		29.710	58	47	34	47	12.6	26	5.5
19	6		29.740	52	44	35	57	9.4	31	2.0
22	6		29.770	47	42	35	64	9.5	32	1.8

NATIONAL CLIMATIC DATA CENTER
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MAR 1994 13740
 RICHMOND, VA
 USCOM - NOAA - ASHEVILLE, NC 275

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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													T	T	T	0.02	0.03	0.04	0.05	0.07	0.05	0.05	0.04	0.06	01	
02	0.04	0.06	0.08	0.05	0.06	0.06	0.09	0.12	0.13	0.13	0.15	0.12	0.25	0.11	0.11	0.14	0.15	0.07	0.30	0.10	0.08	0.02	0.04	0.06	02	
03	T	T	T	T	T	T	T	T	0.01	0.01	0.02	T	T		T	T						T	T		03	
04																										04
05																										05
06																										06
07																										07
08															T	0.03	0.03	0.10	0.11	0.11	0.01	T	T			08
09						T	T									T	T			T	T					09
10	T	T	T	T	T	T	T	0.01	0.07	0.20	0.02	T	0.07	0.04	0.02	0.01										10
11																										11
12																										12
13																										13
14																										14
15														T	T											15
16																										16
17																										17
18											0.02	0.04	0.01				T	0.10	T							18
19																										19
20																										20
21							T	T	T	T	T	0.02	0.04	0.04	0.07	0.09	0.05	0.01	0.03	T	0.07	T	0.01	0.02	21	
22	0.02																									22
23																										23
24																									T	24
25	T	0.11	0.09	0.04	0.01	0.02	0.02	0.01	0.01	0.09	0.03	0.02	T	T												25
26																										26
27						0.01	0.15	0.17	0.11	0.27	0.15	0.04					T	T			T	0.42	0.02	T	27	
28		0.01	T					0.04	0.08	0.11	0.13	0.08	0.04	T	T	0.05	0.03	0.02	0.02	0.02	0.01	0.06	0.05	0.04	28	
29	0.03	0.08	0.09	0.07	0.07	0.03	0.02			0.06	0.01	T														29
30																										30
31											T	T	0.06	0.03	0.02		0.01	0.02	0.25	0.07	0.01	0.01		0.06	31	