

JAN 1995
 RICHMOND, VA
 NAT'L WEA SVC OFC., NOAA
 RIC INTL APT/EXEC TERMINAL

ISSN # 0198-537X

LOCAL

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

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

JAN 1995
 RICHMOND, VA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65 °F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 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	
01	63	39	51	14	42.5	14	0	1	0	T	0.0	29.790	22	7.3	8.1	17	SW	13	24	336	58	5	5		
02	51	24	38	1	21.1	27	0	0	0	T	0.0	29.860	27	8.6	10.3	31	NW	20	31	570	98	0	2		
03	35	19	27	-9	14.0	38	0	0	0.00	0.0	30.120	18	2.8	5.5	12	SE	8	21	199	34	9	7			
04	43	24	34	-2	10.3	31	0	0	0.00	0.0	29.990	29	6.4	7.9	17	NW	13	31	476	82	5	5			
05	30	14*	22*	-14	-9	43	0	0	0.00	0.0	30.240	32	3.8	7.4	17	NW	13	33	580	100	0	0			
06	41	15	28	-8	15.6	37	0	1	0	0.73	0.0	29.970	18	4.9	8.8	20	S	15	20	210	36	9	7		
07	53	33	43	7	37.9	22	0	1	0	0.50	0.0	29.530	28	4.4	8.7	25	SW	12	01	167	29	8	9		
08	44	30	37	1	22.4	28	0	0	0.00	0.0	29.980	25	3.3	6.7	15	SW	10	21	248	42	9	7			
09	50	28	39	3	26.2	26	0	0	0.00	0.0	30.030	22	0.9	3.4	10	SW	7	31	97	17	8	8			
10	44	30	37	1	25.3	28	0	8	0	0.00	0.0	30.175	05	4.5	5.6	14	NE	10	07	315	54	8	8		
11	55	35	45	9	34.4	20	0	1	0	T	0.0	30.130	12	3.1	4.9	13	S	7	14	134	23	10	9		
12	64	45	55	19	47.3	10	0	1	0	T	0.0	30.000	18	8.8	9.0	21	S	16	18	227	39	10	8		
13	72	47	60	24	50.4	5	0	1	0	0.01	0.0	30.010	17	6.2	6.9	16	S	16	18	486	82	10	10		
14	74*	57	66*	31	58.1	0	1	1	0	T	0.0	29.910	14	11.4	11.7	29	SE	20	14	443	75	10	9		
15	68	58	63	28	60.4	2	0	1	0	0.70	0.0	29.640	15	12.1	12.6	36	S	25	18	12	2	10	10		
16	58	44	51	16	46.8	14	0	1	0	T	0.0	29.670	35	5.3	8.5	26	NW	17	35	0	0	10	10		
17	53	39	46	11	36.2	19	0	0	0	0.00	0.0	29.870	34	9.2	9.4	23	N	17	35	397	67	5	5		
18	51	45	48	13	42.1	17	0	1	8	0	0.00	30.020	02	4.6	5.6	12	E	7	03	0	0	10	10		
19	47	42	45	10	43.9	20	0	1	0	0.04	0.0	29.820	05	4.5	5.4	18	E	13	08	0	0	10	10		
20	51	41	46	11	37.2	19	0	1	3	0	0.63	0.0	29.250	22	11.2	13.0	31	SW	23	23	137	23	9	8	
21	50	34	42	7	24.5	23	0	0	0	0.00	0.0	29.450	25	10.9	11.3	23	W	17	23	561	93	4	2		
22	43	28	36	1	16.4	29	0	0	0	0.00	0.0	29.680	25	8.4	9.4	21	SW	17	25	549	91	2	2		
23	43	24	34	-1	20.8	31	0	1	0	0.00	0.0	29.725	17	0.5	4.3	14	SE	9	14	324	54	9	7		
24	43	31	37	2	17.1	28	0	0	0	T	T	29.810	31	9.4	9.7	22	NW	17	31	485	80	4	5		
25	46	27	37	1	16.2	28	0	0	0	0.00	0.0	29.970	28	6.3	7.1	16	W	12	27	605	100	0	0		
26	43	23	33	-3	12.1	32	0	0	0	0.00	0.0	29.970	33	6.8	8.0	21	NW	16	31	607	100	1	1		
27	46	18	32	-4	16.6	33	0	1	4	0	T	T	29.960	18	1.6	4.0	12	SW	7	20	549	90	6	6	
28	38	29	34	-2	27.9	31	0	1	4	0	0.17	1.1	29.820	04	7.7	8.7	22	N	13	03	0	0	10	10	
29	34	27	31	-5	23.8	34	0	1	4	1	0.03	0.3	29.940	36	9.2	9.4	15	N	12	35	105	17	10	10	
30	33	30	32	-4	29.7	33	0	1	4	1	0.34	1.7	29.750	34	7.5	8.0	21	N	10	35	0	0	10	10	
31	46	28	37	1	29.5	28	0	2	6	2	T	T	29.700	23	7.1	8.1	21	SW	14	21	294	48	5	4	
SUM	SUM					TOTAL	TOTAL					TOTAL	TOTAL	FOR THE MONTH :					TOTAL	%	SUM	SUM			
1512	1008					750	1					3.15	3.1	29.865	26	1.7	8.0	36	S	25	18	9113	FOR	216	204
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.					PRECIPITATION	DEP.					DATE:15	DATE:15	DATE:15	DATE:15	DATE:15	DATE:15	DATE:15	DATE:15
48.8	32.5	40.7	5.0	29.2	-158	1	1					≥ .01 INCH	9	-0.09									18462	49	7.0
NUMBER OF DAYS						SEASON TO DATE	TOTAL	TOTAL	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.						1953		1	THUNDERSTORMS	1	PRECIPITATION	SNOW, ICE PELLETS													
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	1	1.23	06-07	1.9	29-30						31+								
0	1	18	0	-445	1	CLEAR	5	PARTLY CLOUDY	7	CLOUDY	19														

* 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.
 ONE OF TWO WINDS IS GIVEN UNDER COLS 16 & 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.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA
 NATIONAL CLIMATIC DATA CENTER
Kenneth D. Haden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 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)	WHOLE MILES	16THS MILE	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							
JAN 01																																						
01	10	3	2	LF	42	42	41	96	31	4	8	70	15	JAN 02																								
04	10	2	1	LF	40	40	39	96	26	5	5	UNL	15	JAN 03																								
07	10	4	2	LF	40	40	39	96	21	5	2	UNL	15	JAN 04																								
10	10	150	6	W	45	44	42	89	23	7	0	UNL	15	JAN 05																								
13	0	UNL	10	W	58	52	46	65	23	9	0	UNL	15	JAN 06																								
16	0	UNL	12	W	62	53	45	54	24	11	0	UNL	15	JAN 07																								
19	0	UNL	10	W	48	46	43	83	19	6	0	UNL	15	JAN 08																								
22	6	85	10	W	48	46	43	83	19	8	0	UNL	15	JAN 09																								
JAN 10																																						
01	8	140	12		28	24	16	61	20	6	0	UNL	15	JAN 11																								
04	9	90	15		31	26	16	54	23	6	0	UNL	15	JAN 12																								
07	0	UNL	15		29	25	16	58	29	5	0	UNL	15	JAN 13																								
10	0	UNL	12		37	31	19	48	34	5	0	UNL	15	JAN 14																								
13	2	UNL	15		43	33	13	29	27	10	0	UNL	15	JAN 15																								
16	9	250	15		42	31	8	25	30	10	0	UNL	15	JAN 16																								
19	6	UNL	10		34	25	2	26	28	6	0	UNL	10	JAN 17																								
22	0	UNL	10		29	22	-1	27	31	6	0	UNL	10	JAN 18																								
JAN 19																																						
01	10	19	1	8	34	33	32	92	23	10	10	45	10	JAN 20																								
04	10	2	2	8	37	37	36	96	22	4	7	48	10	JAN 21																								
07	10	7	7	8	44	44	43	96	25	10	10	46	10	JAN 22																								
10	4	UNL	7		44	43	42	93	25	9	10	48	10	JAN 23																								
13	8	80	8		53	48	43	69	22	7	3	UNL	10	JAN 24																								
16	10	80	7		50	47	43	77	35	8	10	250	10	JAN 25																								
19	10	55	7		42	41	40	93	36	4	0	UNL	10	JAN 26																								
22	10	32	7		40	36	31	70	36	7	7	130	10	JAN 27																								
JAN 28																																						
01	10	55	7		33	32	29	85	36	7	10	100	8	JAN 29																								
04	9	50	7		31	30	27	85	34	5	10	110	7	JAN 30																								
07	0	UNL	7		31	29	24	75	04	3	10	85	7	JAN 31																								
10	8	UNL	6		37	32	24	59	07	9	10	85	6	FEB 01																								
13	10	70	7		42	34	21	43	04	6	10	140	7	FEB 02																								
16	10	UNL	7		43	35	23	45	10	5	10	140	7	FEB 03																								
19	10	130	10		39	34	25	57	07	4	7	140	12	FEB 04																								
22	10	120	10		37	33	27	67	08	4	4	UNL	6	FEB 05																								
FEB 06																																						
01	10	110	7		55	52	50	83	18	6	8	UNL	6	FEB 07																								
04	10	UNL	6		50	49	48	93	19	5	9	UNL	5	FEB 08																								
07	10	UNL	5		49	48	47	93	16	4	8	UNL	6	FEB 09																								
10	10	250	5		56	53	51	83	19	6	10	UNL	7	FEB 10																								
13	10	250	7		69	59	51	53	19	8	10	40	8	FEB 11																								
16	10	250	7		69	58	48	47	19	8	10	250	8	FEB 12																								
19	8	65	8		59	54	49	70	00	0	9	24	6	FEB 13																								
22	9	11	8		62	60	58	87	14	7	9	20	10	FEB 14																								
FEB 15																																						
01	10	220	7		57	55	54	90	17	6	2	UNL	15	FEB 16																								
04	10	200	7		54	54	53	96	17	5	0	UNL	10	FEB 17																								
07	10	75	5		53	53	53	100	14	3	0	UNL	15	FEB 18																								
10	10	10	2		55	55	55	100	10	4	0	UNL	10	FEB 19																								
13	10	55	7		57	55	54	90	36	6	7	31	12	FEB 20																								
16	10	41	8		51	47	42	72	33	9	10	30	12	FEB 21																								
19	9	65	8		49	44	38	66	35	11	9	33	10	FEB 22																								
22	9	70	15		46	41	35	66	35	15	10	36	10	FEB 23																								
FEB 24																																						
01	10	43	40	35	74	34	8	10	32	10	10	32	10	FEB 25																								
04	10	40	38	34	79	33	8	10	24	10	10	24	10	FEB 26																								
07	10	40	38	34	79	33	7	10	21	8	10	21	8	FEB 27																								
10	10	46	41	35	66	35	12	10	23	7	10	23	7	FEB 28																								
13	10	53	46	38	57	33	9	10	14	6	10	14	6	FEB 29																								
16	10	51	45	38	61	35	7	10	9	6	10	9	6	FEB 30																								
19	9	49	44	38	66	01	7	10	11	7	10	11	7	MAR 01																								
22	9	46	42	37	71	35	6	10	5	4	10	5	4	MAR 02																								

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	0.14	0.16	0.21	0.25	0.30	0.41	0.48	0.59	0.69	0.78
ENDED: DATE	20	20	20	20	20	15	07	20	07	20	07	07
ENDED: TIME (LST)	0240	0244	0149	0149	0154	1311	0105	0246	0057	0259	0056	0129

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

JAN 1995 13740
RICHMOND, VA

HOUR	L.S.T.	JAN 19				JAN 20				JAN 21				JAN 22				JAN 23				JAN 24				JAN 25				JAN 26				JAN 27				JAN 28				JAN 29				JAN 30				JAN 31																																																																																																				
		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		WET BULB °F		DEW POINT °F		REL HUMIDITY %		WIND DIRECTION		WIND SPEED (KNOTS)		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		WET BULB °F		DEW POINT °F		REL HUMIDITY %		WIND DIRECTION		WIND SPEED (KNOTS)		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		WET BULB °F		DEW POINT °F		REL HUMIDITY %		WIND DIRECTION		WIND SPEED (KNOTS)																																																																																																												
		01-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	01-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	01-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	01-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	01-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100																																																																																																			
01	10	9	2	LF	44	44	43	96	09	4	10	2	1	8	RF	47	47	46	96	03	5	1	UNL	12	12	41	36	27	58	22	9	01	0	UNL	10	33	28	17	52	28	9	0	UNL	10	30	26	19	64	36	7	10	70	10	34	30	22	62	35	7	01	0	UNL	10	31	26	15	52	29	7	1	UNL	10	30	25	13	49	35	8	0	UNL	12	23	20	14	68	27	3	01	10	50	7	37	32	24	59	13	5	10	9	1	8	SGF	29	28	26	89	02	8	10	10	7	30	29	26	85	36	6	01	10	70	3	F	33	32	31	92	28	5	01	10	70	3	F	33	32	31	92	28	5	01	10	70	3	F	33	32	31	92	28	5

SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES						RESULTANT WIND		
		STATION PRESSURE (INCHES)		TEMPERATURE			REL HUMIDITY %	SPEED (MPH)	DIRECTION	SPEED (MPH)
		SKY COVER (TENTHS)	TEMPERATURE	WET BULB °F	DEW POINT °F	REL HUMIDITY %				
01	7	29.860	38	35	30	73	7.6	29	0.9	
04	6	29.860	37	34	29	75	6.2	28	1.6	
07	6	29.880	36	33	29	76	7.0	28	2.3	
10	7	29.910	41	37	30	67	8.9	27	2.0	
13	7	29.850	46	40	29	56	9.8	25	3.2	
16	7	29.840	47	40	29	54	9.5	25	2.8	
19	6	29.860	41	37	30	67	7.3	27	0.7	
22	6	29.860	39	35	29	70	7.6	26	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).

