

NOV 1994
 RICHMOND, VA
 NAT'L WEA SVC OFC., NOAA
 RIC INTL APT/EXEC TERMINAL

ISSN # 0198-537X

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

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

NOV 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		WATER EQUIVALENT	SNOW ICE PELLETS	RESULTANT DIRECTION	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	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	74	50	62	8	52.8	3	0	1 3	0	0.27	0.0	29.380	22	9.7	12.7	39	SW	29	23	350	55	7	5		
02	65	45	55	2	33.0	10	0		0	0.00	0.0	29.815	26	7.4	8.4	22	NW	16	29	606	95	7	5		
03	73	36	55	2	36.2	10	0		0	0.00	0.0	30.040	17	3.5	3.8	13	S	8	17	590	93	8	5		
04	78	41	60	7	41.1	5	0		0	0.00	0.0	30.000	19	6.9	7.2	20	S	14	20	631	100	0	5		
05	76	49	63	10	54.2	2	0		0	0.00	0.0	29.920	19	9.3	9.7	23	S	15	22	546	87	9	5		
06	73	60	67*	15	59.8	0	2		0	0.11	0.0	29.800	20	9.5	10.9	30	S	18	19	277	44	7	5		
07	64	40	52	0	33.2	13	0		0	0.00	0.0	30.130	35	6.3	7.6	24	N	15	35	591	95	2	5		
08	71	37	54	2	35.3	11	0		0	0.00	0.0	30.010	21	7.1	7.8	22	SW	15	23	607	97	1	5		
09	78*	46	62	10	44.3	3	0		0	0.00	0.0	29.740	20	7.3	7.7	13	SW	12	20	602	97	8	5		
10	60	36	48	-3	43.3	17	0	1	0	0.11	0.0	29.910	36	6.5	8.2	39	N	29	36	4	1	10	5		
11	55	32	44	-7	29.3	21	0		0	0.00	0.0	30.170	36	6.8	7.2	18	N	14	02	617	100	1	5		
12	60	32	46	-5	29.2	19	0		0	0.00	0.0	30.190	32	0.9	4.1	10	S	7	17	610	99	4	5		
13	75	31	53	2	37.3	12	0		0	0.00	0.0	30.070	17	2.6	3.7	10	SE	8	18	561	92	5	5		
14	73	40	57	7	45.1	8	0	1 8	0	0.00	0.0	30.080	14	5.1	5.4	15	SE	12	13	546	89	3	5		
15	74	43	59	9	49.3	6	0	2 8	0	0.00	0.0	30.020	18	1.0	4.0	10	SW	8	21	495	81	10	5		
16	57	48	53	3	47.8	12	0	1	0	0.15	0.0	29.990	02	10.8	11.2	24	N	15	01	10	2	10	15		
17	55	48	52	3	50.5	13	0	1	0	0.26	0.0	29.910	01	13.9	14.0	28	N	20	36	0	0	10	15		
18	62	55	59	10	57.6	6	0	1	0	0.21	0.0	29.780	35	13.2	13.4	25	N	20	36	12	2	10	15		
19	68	44	56	7	38.1	9	0		0	0.00	0.0	30.000	35	10.5	10.6	24	N	20	36	603	100	1	5		
20	64	42	53	5	36.2	12	0		0	0.00	0.0	30.160	03	6.4	7.2	14	NE	9	08	552	92	6	5		
21	66	47	57	9	57.6	8	0	23	0	2.31	0.0	29.820	04	0.9	6.7	31	NW	17	31	34	6	10	5		
22	64	42	53	5	35.7	12	0	1	0	0.00	0.0	29.890	30	7.0	8.2	21	N	14	36	524	87	3	5		
23	50	40	45	-2	11.1	20	0		0	0.00	0.0	30.000	28	8.4	9.7	30	NW	16	25	482	81	3	5		
24	48	25*	37*	-10	21.3	28	0		0	0.00	0.0	30.100	22	2.2	7.1	22	N	18	35	590	99	1	5		
25	55	31	43	-4	29.0	22	0		0	T	0.0	29.970	21	6.0	6.6	15	SW	12	24	311	52	9	5		
26	54	39	47	1	29.7	18	0		0	0.00	0.0	30.100	04	4.0	5.0	13	N	13	03	498	84	6	5		
27	47	42	45	-1	38.4	20	0	2	0	0.51	0.0	30.110	03	4.0	6.0	13	NE	8	06	0	0	10	15		
28	68	45	57	11	52.2	8	0	2	0	0.03	0.0	29.700	21	8.2	9.1	35	S	20	19	18	3	10	5		
29	56	37	47	2	36.9	18	0	1	0	T	0.0	29.960	22	3.0	4.7	9	S	7	18	130	22	10	5		
30	58	34	46	1	35.4	19	0	1	0	0.03	0.0	30.020	01	2.1	5.0	14	N	9	34	532	90	4	5		
SUM	SUM			TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH :				TOTAL	%	SUM	SUM			TOTAL	%	SUM	SUM		
1921	1237			365	2			3.99	0.0	29.960	29	1.4	7.8	39	N	29	36			11929	FOR	185	165		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION		DEP.					DATE:10+	DATE:10+	POSS	MONTH	AVG	AVG			18302	65	6.2		
64.0	41.2	52.6	3.0	40.0	-97	2		.01 INCH	10	0.82															
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													
MAXIMUM TEMP.		MINIMUM TEMP.		608	1543	THUNDERSTORMS 2		PRECIPITATION		SNOW, ICE PELLETS		AND DATE													
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG 4		2.31	21	0.0		0													
0	0	5	0	-110	195	CLEAR 9		PARTLY CLOUDY 8	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.
 + 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.

noaa

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

NOV 1994 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)				CEILING IN HUNDREDS OF FEET				WEATHER				TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET				WEATHER				TEMPERATURE				WIND							
		0	1	2	3	0	1	2	3	0	1	2	3	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		0	1	2	3	0	1	2	3	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)						
01	10	3	2	8	8																																			
04	10	7	2	8	8																																			
07	10	12	15	8	8																																			
10	10	UNL	15																																					
13	10	UNL	12																																					
16	10	UNL	12																																					
19	10	UNL	12																																					
22	10	UNL	10																																					
01	0	UNL	15																																					
04	0	UNL	15																																					
07	0	UNL	15																																					
10	0	UNL	15																																					
13	0	UNL	15																																					
16	0	UNL	15																																					
19	0	UNL	15																																					
22	0	UNL	15																																					
01	0	UNL	15																																					
04	0	UNL	15																																					
07	0	UNL	15																																					
10	0	UNL	15																																					
13	0	UNL	15																																					
16	0	UNL	15																																					
19	0	UNL	15																																					
22	0	UNL	15																																					

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.32	0.53	0.63	0.73	0.93	1.09	1.30	1.52	1.71	1.96	2.08	2.19
ENDED: DATE		21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME (LST)	1259	1303	1307	1313	1318	1318	1347	1347	1347	1347	1406	1443

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

NOV 1994 13740
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)				TEMPERATURE				WIND		SKY COVER (TENTHS)				TEMPERATURE				WIND														
		0-3	4-7	8-11	12-15	AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-3	4-7	8-11	12-15	AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)													
NOV 19																																		
01	04	07	10	13	16	19	22	50	58	56	87	35	12	5	UNL	15	48	42	33	56	35	6	10	32	10	7	50	48	46	86	01	5		
NOV 20																																		
01	04	07	10	13	16	19	22	50	54	49	70	36	10	0	UNL	15	50	42	30	46	01	8	10	30	10	7	51	50	49	93	03	6		
NOV 21																																		
01	04	07	10	13	16	19	22	54	49	44	69	36	11	2	UNL	15	43	39	33	68	36	6	10	45	6	F	53	53	53	100	09	6		
NOV 22																																		
01	04	07	10	13	16	19	22	59	54	49	70	36	10	0	UNL	15	48	42	30	46	01	8	10	30	10	7	51	50	49	93	03	6		
NOV 23																																		
01	04	07	10	13	16	19	22	52	50	48	86	26	4	9	150	15	42	32	11	28	30	7	0	UNL	15	42	32	11	28	30	7	0	UNL	15
NOV 24																																		
01	04	07	10	13	16	19	22	59	50	40	50	31	8	8	180	12	44	33	10	25	29	8	0	UNL	12	38	31	17	43	06	3	3	3	3
NOV 25																																		
01	04	07	10	13	16	19	22	53	53	52	96	31	3	10	110	15	42	33	17	36	30	3	0	UNL	15	32	29	23	69	35	7	7	7	7
NOV 26																																		
01	04	07	10	13	16	19	22	52	50	48	86	26	4	9	150	15	42	32	11	28	30	7	0	UNL	15	42	32	11	28	30	7	0	UNL	15
NOV 27																																		
01	04	07	10	13	16	19	22	53	40	20	27	22	8	5	UNL	15	53	41	22	30	03	3	10	25	4	RF	45	44	42	89	04	5		
NOV 28																																		
01	04	07	10	13	16	19	22	52	43	32	47	23	8	7	180	15	51	41	27	40	16	5	10	4	3	RF	45	45	44	96	03	5		
NOV 29																																		
01	04	07	10	13	16	19	22	48	48	48	100	21	5	3	UNL	10	40	38	36	86	00	0	10	80	6	RF	44	43	42	93	27	5		
NOV 30																																		
01	04	07	10	13	16	19	22	50	52	52	100	20	5	10	180	12	50	43	34	54	28	6	7	UNL	7	F	44	43	42	93	27	5		

SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES					RESULTANT		
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			SPEED (MPH)	DIRECTION	SPEED (MPH)
				AIR °F	WET BULB °F	DEW POINT °F			
01	4	29.950	48	45	41	78	6.0	31	1.3
04	4	29.950	47	44	40	79	6.4	35	1.5
07	6	29.980	45	43	39	81	6.7	35	1.3
10	6	30.000	56	49	40	59	9.9	34	2.2
13	6	29.950	62	51	39	49	10.7	27	2.7
16	7	29.930	61	51	40	50	9.4	26	2.4
19	5	29.955	53	47	41	67	6.6	26	1.3
22	5	29.970	50	45	40	73	6.4	27	1.1

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):

