

JAN 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

R.E. BYRD INTERNATIONAL AP.

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

JAN 1994
 RICHMOND, VA

DATE	TEMPERATURE OF						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 PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L. 12	WIND (M.P.H.)						SUNSHINE		SKY COVER (TENTHS)																																																	
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT																																																	
01	45	20	33	-4	26	32	0	1	3	0.31	0.0	30.060	18	6.7	7.3	17	S	14	19	389	67	10	7																																																
02	52	36	44	7	36	21	0	1	1	0.05	0.0	29.845	36	4.9	7.1	14	N	12	01	363	63	5	7																																																
03	43	37	40	4	34	25	0	1	0	0.05	0.0	29.755	03	11.0	11.2	20	N	16	02	0	0	10	10																																																
04	47	37	42	6	36	23	0	1	0	0.35	T	29.260	24	6.8	12.8	39	SW	29	22	27	5	10	9																																																
05	44	30	37	1	23	28	0	0	0	0.00	0.0	29.890	26	9.2	9.8	22	W	17	26	536	92	1	2																																																
06	53	31	42	6	27	23	0	0	0	0.00	0.0	29.980	17	7.2	9.7	24	S	20	18	372	64	8	9																																																
07	62	46	54*	18	42	11	0	0	0	0.0	0.0	29.710	21	7.1	9.8	23	SW	20	21	84	14	10	9																																																
08	53	24	39	3	26	26	0	1	0	0.25	0.0	29.780	30	9.0	10.8	29	W	20	28	443	76	3	4																																																
09	35	19	27	-9	9	38	0	0	0	0.00	0.0	30.300	33	4.9	6.5	16	N	10	32	585	100	0	0																																																
10	35	20	28	-8	12	37	0	0	0	0.00	0.0	30.560	04	5.1	6.9	17	N	14	02	471	80	5	5																																																
11	45	23	34	-2	28	31	0	1	0	0.03	0.0	30.340	19	4.3	5.2	12	SW	9	21	151	26	10	8																																																
12	43	37	40	4	39	25	0	2	0	0.40	0.0	29.900	36	6.4	7.7	15	N	12	33	0	0	10	10																																																
13	40	36	38	2	36	27	0	1	0	0.00	0.0	29.710	06	1.2	4.6	9	NW	7	32	0	0	10	10																																																
14	47	27	37	2	28	28	0	2	8	0.01	T	29.480	28	6.6	9.3	29	NW	18	32	117	20	10	10																																																
15	27	9	18	-17	-3	47	0	0	0	0.00	0.0	29.960	30	11.8	13.1	28	W	18	28	443	75	3	2																																																
16	22	6	14	-21	-6	51	0	0	0	0.00	0.0	30.495	23	3.5	8.1	18	W	14	30	529	89	2	4																																																
17	37	14	26	-9	20	39	0	1	4	0.73	T	29.980	18	3.0	6.5	16	NW	12	31	0	0	10	9																																																
18	34	8	21	-14	19	44	0	2	0	0.05	1.2	29.900	31	7.4	9.4	26	NW	18	30	39	7	10	7																																																
19	12	-1*	6*	-24	-1	59	0	1	1	T	T	30.460	01	5.3	7.4	15	NW	10	36	551	92	2	1																																																
20	20	7	14	-21	11	51	0	0	0	0.02	0.3	30.470	04	3.2	6.2	12	NE	9	03	78	13	10	10																																																
21	27	8	18	-17	10	47	0	1	1	T	T	30.400	34	3.7	6.4	15	N	10	34	600	100	0	1																																																
22	47	16	32	-3	22	33	0	1	0	0.00	0.0	30.115	22	5.6	7.9	16	SW	12	24	304	50	9	5																																																
23	52	23	38	3	27	27	0	0	0	0.00	0.0	30.060	16	5.4	8.1	18	S	14	18	496	82	2	2																																																
24	64*	38	51	16	40	14	0	0	0	0.00	0.0	29.980	24	9.1	9.8	17	SW	14	25	605	100	1	2																																																
25	55	34	45	9	38	20	0	0	8	0.01	0.0	30.055	09	3.0	7.4	14	SE	9	13	326	54	10	7																																																
26	45	30	38	2	36	27	0	1	6	0	T	30.110	03	7.6	10.8	23	N	17	01	28	5	10	9																																																
27	30	28	29	-7	29	36	0	1	4	0.07	T	30.285	01	9.8	10.2	20	N	14	04	0	0	10	10																																																
28	57	29	43	7	42	22	0	1	6	0.70	0.0	29.700	22	6.6	8.7	28	E	20	21	124	20	10	10																																																
29	50	38	44	8	38	21	0	1	0	0.00	0.0	29.810	04	3.3	6.5	14	NE	9	05	248	40	10	9																																																
30	40	31	36	0	28	29	0	1	0	0.07	0.7	30.020	02	9.0	9.4	17	NE	14	01	0	0	10	10																																																
31	37	30	34	-2	25	31	0	1	8	T	T	30.020	01	4.3	6.4	13	N	9	36	40	6	9	9																																																
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM																																																		
1300	771					973	0			3.10	2.2	30.010	31	1.8	8.4	39	SW	29	22	7949	FOR	220	207																																																
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.						DATE: 4	DATE: 4	POSSIBLE	MONTH	AVG.	AVG.																																																		
41.9	24.9	33.4	-2.3	24.8	6.5	0		0.14	15	-0.14								18462	43	7.1	6.7																																																		
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 AND DATE																																																									
MAXIMUM TEMP.						MINIMUM TEMP.						THUNDERSTORMS						PRECIPITATION						SNOW, ICE PELLETS																																															
≥ 90°						≤ 32°						≤ 32°						≤ 0°						DEP.						DEP.																																									
0						6						22						1						49						0						CLEAR						9						PARTLY CLOUDY						2						CLOUDY						20					

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

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 WIND SPEEDS 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

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER, ASHEVILLE NORTH CAROLINA

Kenneth D. Wadsworth
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1994
RICHMOND, VA

13740

HOUR L.S.T.	JAN 19th										JAN 20th										JAN 21st															
	VISI-BILITY			TEMPERATURE			WIND				VISI-BILITY			TEMPERATURE			WIND				VISI-BILITY			TEMPERATURE			WIND									
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					
01	0	UNL	15	7	5	-3	63	31	9	10	90	7			8	7	4	84	15	5	10	70	7		S	17	16	14	88	34	7					
04	0	UNL	15	4	3	-5	66	33	8	10	75	7			11	10	6	80	17	7	10	UNL	7			13	13	11	92	36	6					
07	0	UNL	15	0	-1	-6	75	35	5	10	60	7			13	11	5	70	16	3	0	UNL	7			9	9	7	92	35	4					
10	0	UNL	10	4	3	-5	66	34	9	10	90	7			15	14	9	77	02	4	0	UNL	7			17	15	8	68	34	9					
13	4	UNL	8	8	6	-2	63	02	8	10	20	7			19	17	11	71	07	5	0	UNL	10			23	19	8	53	34	9					
16	3	UNL	7	11	9	1	64	03	7	10	90	7	S		20	18	14	78	02	5	0	UNL	10			26	22	10	51	35	6					
19	0	UNL	7	7	6	2	80	05	5	7	85	3	S		20	19	17	88	02	6	0	UNL	10			20	18	13	74	00	0					
22	0	UNL	7	6	5	1	80	09	4	10	70	3	S		18	17	15	88	36	7	0	UNL	10			16	15	10	77	21	4					
JAN 22nd																																				
01	0	UNL	10	17	15	11	77	19	7	0	UNL	10			28	27	25	89	36	4	0	UNL	10			39	36	31	73	19	8					
04	1	UNL	10	21	20	17	85	20	7	0	UNL	10			23	23	22	96	11	3	0	UNL	10			46	42	37	71	21	8					
07	9	180	10	21	20	17	85	21	6	0	UNL	8			26	25	22	85	02	4	0	UNL	10			45	42	39	80	23	8					
10	10	180	7	33	28	19	56	25	10	0	UNL	8			35	29	18	50	12	9	0	UNL	12			54	48	42	64	25	11					
13	10	180	10	41	35	24	51	25	9	0	UNL	10			46	37	24	42	18	10	0	UNL	12			62	52	42	48	27	12					
16	10	250	10	45	38	27	49	25	7	8	55	10			52	43	31	45	18	12	0	UNL	12			64	53	42	45	24	9					
19	0	UNL	10	37	33	27	67	15	3	10	46	12			48	42	33	56	19	7	10	UNL	12			56	49	42	60	24	9					
22	0	UNL	10	33	31	27	79	04	5	0	UNL	12			43	38	31	63	19	9	8	UNL	12			50	45	40	69	25	5					
JAN 23rd																																				
JAN 24th																																				
JAN 25th																																				
JAN 26th																																				
JAN 27th																																				
JAN 28th																																				
JAN 29th																																				
JAN 30th																																				
JAN 31st																																				

WEATHER CODES

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE ZL FREEZING DRIZZLE S SNOW | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> GF GROUND FOG BD BLOWING DUST BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST |
|--|--|---|

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, 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, EXPRESSED IN KNOTS
 (MPH=KNOTS.X 1.15).

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	30.015	31	29	25	79	7.7	33	2.5
04	6	30.010	30	28	24	81	7.0	35	1.4
07	6	30.020	29	27	24	83	6.6	35	1.5
10	7	30.050	34	31	24	71	9.9	30	2.6
13	7	30.000	38	34	25	62	10.2	28	2.1
16	7	29.985	39	34	26	62	10.1	29	2.9
19	7	30.010	35	32	25	69	8.3	30	1.6
22	7	30.015	33	30	25	75	8.5	34	2.1

