

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

ISSN 0198-537X



INQUIRIES/COMMENTS CALL  
 (704) 271-4800

# 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

FEB 1994  
 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 PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE		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)	IN INCHES	ELEV. FEET ABOVE M.S.L.	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST 1-MIN	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	40	25	33	-3	24	32	0	1	0	0.00	0.0	30.030	33	0.8	6.0	15	NW	13	34	288	46	8	7		
02	34	23	29	-7	17	36	0	0	0	0.00	0.0	30.060	02	3.4	8.3	17	NE	13	02	285	46	10	7		
03	50	20	35	-1	18	30	0	0	0	0.00	0.0	30.020	22	9.4	11.3	32	SW	22	22	588	94	2	1		
04	55	26	41	5	19	24	0	8	0	0.00	0.0	30.080	18	6.4	7.7	22	S	14	19	492	78	7	7		
05	48	37	43	6	35	22	0	1	0	0.17	0.0	29.780	21	6.7	7.5	15	SW	13	22	0	0	10	8		
06	53	32	43	6	34	22	0	2	8	0	0.00	0.0	29.870	14	4.0	6.1	17	S	13	14	485	77	3	3	
07	59	27	43	6	26	22	0	1	8	0	0.00	0.0	29.980	25	3.2	5.0	17	W	13	25	510	81	3	3	
08	49	29	39	2	32	26	0	1	8	0	0.04	0.0	29.860	03	2.8	6.9	14	NE	12	03	106	17	10	8	
09	59	32	46	9	42	19	0	1	4	0	0.55	0.1	29.650	30	1.3	10.3	30	N	20	01	2	0	10	10	
10	32	21	27*	-10	13	38	0	1	4	6	T	0.59	1.0	30.260	02	11.9	12.4	30	N	17	03	0	0	10	10
11	33	22	28	-10	28	37	0	1	4	6	2	1.15	0.6	30.015	36	8.7	9.6	21	N	15	02	0	0	10	10
12	32	28	30	-8	29	35	0	1	6	6	1	T	0.0	30.080	36	5.8	5.9	9	36	0	0	10	10		
13	45	29	37	-1	33	28	0	1	6	6	1	T	0.0	29.890	25	4.5	6.8	14	NW	12	32	162	25	10	8
14	50	28	39	1	22	26	0	1	6	6	1	0.00	0.0	30.055	25	9.6	10.6	23	W	18	28	647	100	0	0
15	59	27	43	4	22	22	0	T	0.00	0.0	0.00	0.0	30.020	22	9.4	10.6	28	W	16	23	592	91	7	5	
16	56	31	44	5	19	21	0	0	0.00	0.0	0.00	0.0	30.185	32	5.7	8.2	23	NW	14	33	652	100	0	0	
17	58	25	42	3	23	23	0	0	0.00	0.0	0.00	0.0	30.280	18	5.0	5.1	16	S	14	18	603	92	8	5	
18	68	27	48	9	28	17	0	0	0.00	0.0	0.00	0.0	30.260	17	5.8	6.8	15	S	12	20	656	100	0	0	
19	69	32	51	11	40	14	0	0	0.00	0.0	0.00	0.0	30.265	16	6.5	7.1	21	S	14	18	659	100	0	0	
20	73*	37	55	15	47	10	0	2	8	0	0.00	0.0	30.120	16	6.7	7.7	20	SW	18	18	613	93	5	5	
21	71	48	60*	20	52	5	0	2	8	0	0.09	0.0	29.930	30	2.3	7.8	21	NW	16	33	120	18	10	9	
22	57	39	48	8	37	17	0	2	0	0.00	0.0	30.080	04	6.7	8.8	21	NE	15	36	600	90	5	8		
23	42	38	40	-1	38	25	0	1	0	1.47	0.0	29.810	01	6.2	8.6	24	N	15	07	0	0	10	10		
24	55	39	47	6	34	18	0	1	0	0.32	0.0	29.550	26	8.3	11.3	31	W	20	26	428	64	6	6		
25	57	30	44	3	26	21	0	1	0	0.00	0.0	29.810	20	6.1	8.8	23	S	16	17	584	87	3	3		
26	51	27	39	-3	17	26	0	0	0.00	0.0	0.00	0.0	29.820	30	11.5	15.5	36	NW	23	29	668	99	0	1	
27	37	20	29	-13	3	36	0	0	0.00	0.0	0.00	0.0	30.190	35	10.0	10.6	24	N	16	35	677	100	0	0	
28	43	16*	30	-13	10	35	0	0	0.00	0.0	0.00	0.0	30.260	06	2.3	6.0	14	S	9	12	495	73	5	5	
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM						
1435	815					687	0			4.38	1.7	30.010	27	1.4	8.5	36	NW	23	29	10912	FOR	162	149		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.						DATE:26	DATE:26	POSSIBLE	MONTH	AVG.	AVG.				
51.3	29.1	40.2	1.5	27.4		-49	0	≥ .01 INCH.	8	1.22										18192	60	5.8	5.3		
NUMBER OF DAYS						SEASON TO DATE	TOTAL	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF												
						TOTAL	TOTAL	≥ 1.0 INCH					SNOW, ICE PELLETS OR ICE AND DATE												
MAXIMUM TEMP.						3134	0	THUNDERSTORMS	PRECIPITATION				SNOW, ICE PELLETS												
≥ 90°						≤ 32°	≤ 32°	≤ 0°	HEAVY FOG	4				1.74 10-11 1.6 10-11											
0						2	22	0	CLEAR	10				PARTLY CLOUDY 6 CLOUDY 12											

\* 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

FEB 1994 RICHMOND, VA 13740

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND			WEATHER	VISI-BILITY			TEMPERATURE				WIND			WEATHER							
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CELLING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET		WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
FEB 1st																													
01	10	30	7	31	30	27	85	17	4	0	UNL	7	26	24	21	81	02	7	0	UNL	7		23	22	20	88	19	9	
04	2	UNL	7	29	28	25	85	20	5	10	32	7	28	25	20	72	01	8	0	UNL	7		20	20	19	96	18	7	
07	2	UNL	6	25	25	24	96	16	4	10	30	8	26	23	15	63	03	10	0	UNL	7		25	23	20	81	19	11	
10	3	UNL	7	35	32	27	73	30	8	10	33	8	28	24	14	56	02	10	0	UNL	7		37	32	22	55	21	14	
13	9	36	7	38	33	23	55	34	7	10	45	8	30	26	16	56	31	8	4	UNL	7		48	37	19	32	22	19	
16	8	47	7	39	32	19	45	22	7	8	80	8	33	28	17	52	03	4	2	UNL	7		49	37	15	26	27	12	
19	10	60	7	33	30	26	76	08	6	10	55	8	31	27	19	61	15	5	5	0	UNL	12		43	33	14	31	27	6
22	10	60	7	30	28	25	82	04	6	0	UNL	8	24	22	19	81	18	5	5	0	UNL	10		29	26	18	64	10	4
FEB 2nd																													
FEB 3rd																													
FEB 4th																													
FEB 5th																													
FEB 6th																													
FEB 7th																													
FEB 8th																													
FEB 9th																													
FEB 10th																													
FEB 11th																													
FEB 12th																													
FEB 13th																													
FEB 14th																													
FEB 15th																													
FEB 16th																													
FEB 17th																													
FEB 18th																													

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.12	0.15	0.18	0.22	0.25	0.32	0.37	0.43	0.49	0.57	0.64
ENDED: DATE	09	09	09	09	09	09	11	11	11	11	11	11
ENDED: TIME	0434	0439	0443	0448	0450	0450	1559	1644	1624	1719	1719	1719

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

FEB 1994  
RICHMOND, VA

13740

HOUR L.S.T.	VISI-BILITY				TEMPERATURE			WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE			WIND															
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)													
	FEB 19th										FEB 20th										FEB 21st													
01	0	UNL	10		41	38	33	73	12	6	0	UNL	7		46	45	43	89	17	4	0	UNL	7		52	52	51	96	15	4				
04	0	UNL	7		36	35	33	89	13	3	5	UNL	5	F	41	41	40	96	13	3	10	3	0	8	F	52	52	52	100	21	3			
07	0	UNL	7		32	31	30	92	12	3	0	UNL	5	F	37	37	36	96	14	5	10	0	0	4	F	53	53	52	96	18	5			
10	0	UNL	7		58	51	44	60	19	6	0	UNL	5	H	61	55	50	67	18	6	10	5	2	4	F	58	57	57	97	19	7			
13	0	UNL	8		66	55	45	47	15	11	7	45	5		71	58	48	44	21	13	10	47	7	2	10	69	59	51	53	27	10			
16	1	UNL	8		68	55	43	41	19	10	9	65	10		71	58	48	44	19	10	10	75	6		RF	57	56	56	97	33	9			
19	0	UNL	12		59	51	43	56	14	8	10	200	10		62	56	51	67	12	8	10	21	6		F	54	53	52	93	34	7			
22	0	UNL	10		50	47	44	80	15	8	6	UNL	8		56	53	51	83	15	8	8	7	6		F	50	49	48	93	01	5			
	FEB 22nd										FEB 23rd										FEB 24th													
01	10	0	0	2	F	48	48	100	34	5	10	41	8		41	37	32	70	07	13	10	3	1		RF	40	39	38	93	06	5			
04	10	6	0	2	F	44	44	96	33	4	10	21	8	RF	40	39	38	93	36	5	10	3	1		RF	40	40	39	96	13	6			
07	2	UNL	5		40	40	39	96	36	5	10	7	8	RF	40	39	38	93	02	7	10	2	2		LF	43	43	42	96	22	6			
10	4	UNL	7		48	44	38	59	04	9	10	4	1	8	RF	39	39	38	96	35	12	10	16	7			41	40	38	89	32	8		
13	5	UNL	7		55	46	35	47	03	8	10	4	1	8	RF	38	38	37	96	35	7	8	55	8			52	46	40	64	28	12		
16	8	UNL	7		57	46	32	39	06	10	10	5	5		40	39	38	93	33	6	0	UNL	15				50	41	30	46	26	16		
19	10	UNL	8		49	42	33	54	06	10	10	3	2		40	40	39	96	07	9	2	UNL	15				47	38	24	41	23	10		
22	10	150	8		43	40	36	76	11	9	10	2	1		40	40	39	96	10	4	4	UNL	15				43	35	22	43	28	14		
	FEB 25th										FEB 26th										FEB 27th													
01	0	UNL	10		38	32	22	53	29	5	0	UNL	12		48	43	38	69	19	12	0	UNL	10			26	22	10	51	35	10			
04	7	UNL	10		32	29	24	72	00	0	9	90	12		49	43	36	61	23	10	0	UNL	10			23	19	8	53	35	8			
07	9	150	10		35	30	22	59	25	7	0	UNL	12		42	32	13	31	31	14	0	UNL	10			20	16	5	52	35	8			
10	0	UNL	10		44	36	24	45	23	10	0	UNL	12		39	30	12	33	30	13	0	UNL	15			27	20	-1	29	36	13			
13	0	UNL	12		53	41	23	31	19	5	0	UNL	15		41	31	11	29	33	15	0	UNL	15			33	24	-2	22	33	13			
16	0	UNL	12		57	44	26	30	12	6	0	UNL	15		41	31	11	29	30	15	0	UNL	15			37	27	-1	20	32	12			
19	8	130	10		49	40	28	44	15	9	0	UNL	8		34	27	11	38	32	14	0	UNL	15			30	23	2	30	06	6			
22	0	UNL	15		48	40	29	48	17	10	0	UNL	10		30	24	11	45	34	12	0	UNL	15			27	21	3	35	02	4			
	FEB 28th																																	
01	0	UNL	15		23	19	6	48	35	6																								
04	0	UNL	15		21	18	8	57	25	4																								
07	0	UNL	15		19	17	10	68	01	3																								
10	0	UNL	15		30	24	8	39	01	6																								
13	8	UNL	15		39	30	8	28	12	7																								
16	10	95	15		40	31	10	29	14	8																								
19	8	95	12		38	30	13	36	08	4																								
22	10	180	12		35	29	17	48	10	5																								

### WEATHER CODES

* 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 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.	AVERAGES						RESULTANT WIND		
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)			
			AIR TEMP OF	WET BULB OF	DEW POINT OF		DIRECTION	SPEED (MPH)	
01	3	30.010	35	32	27	76	7.0	02	0.8
04	6	30.000	33	31	26	78	6.2	32	1.0
07	5	30.015	33	30	26	80	7.1	30	0.5
10	5	30.040	41	36	29	66	10.1	24	2.5
13	6	30.000	48	40	27	51	11.1	26	3.6
16	6	29.970	49	40	27	50	10.1	26	3.2
19	7	29.995	42	37	28	61	8.4	07	1.2
22	4	30.020	38	34	27	70	7.7	06	0.7

