

JANUARY 1976  
 RICHMOND, VIRGINIA  
 NATIONAL WEATHER SERVICE OFC  
 R.E. BYRD INTERNATIONAL AP.

# Local Climatological Data



## MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN LDMN #13740

RICHMOND, VIRGINIA

DATE	TEMPERATURE °F					DEGREE DAYS BASE 55°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND BY 07AM	PRECIPITATION WATER EQUIVA- LENT IN.	SNOW, ICE PELLETS IN. N.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINNING WITH JAN.)	COOLING (SEASON BEGINNING WITH JAN.)					AVG. STATION PRES- SURE IN. ELEV. FEET N.S.L.	RESULTANT DIRECTION	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET		NOON TO MIDNIGHT		
1	49	30	40	3	33	25	0	1	0	.01	0	29.75	35	10.7	11.4	23	NW	372	64	4	5	1	
2	40	25	33	-4	28	32	0	0	0	0	0	30.09	19	1.3	3.6	5	SW	260	45	8	4	2	
3	54	30	42	9	38	23	0	1	0	.19	0	29.76	22	6.8	9.4	13	NW	0	0	10	9	3	
4	41	20	31	-6	14	34	0	0	0	0	0	28.95	31	9.9	10.4	19	NW	580	100	1	1	4	
5	39	14	27	-10	15	38	0	0	0	0	0	30.31	15	3.2	4.2	8	S	489	84	4	1	5	
6	39	14	27	-10	15	38	0	0	0	0	0	30.31	15	3.2	4.2	8	S	581	100	1	1	6	
7	41	20	31	-6	31	34	0	1	6	.60	0	29.93	18	2.6	2.7	8	NW	0	0	10	10	7	
8	43	20	32	-5	30	33	0	0	0	.14	0	29.66	34	8.7	12.9	25	N	156	27	8	6	8	
9	31	14	23	-14	7	42	0	1	0	0	0	30.13	28	5.0	8.3	12	W	585	100	0	0	9	
10	36	12	24	-13	10	41	0	0	0	0	0	30.28	17	1.2	3.7	4	W	487	83	6	5	10	
11	49	22	36	-1	24	29	0	0	0	.01	0	29.98	20	7.2	8.3	13	SW	7	1	10	8	11	
12	50	30	40	3	26	25	0	0	0	0	0	29.95	27	3.4	7.5	10	NW	588	100	0	2	12	
13	61	27	44	7	35	21	0	1	8	.02	0	29.93	18	8.6	8.1	24	SW	295	50	6	7	13	
14	50	32	47	10	27	18	0	0	0	0	0	29.86	29	11.2	12.7	31	SW	591	100	0	2	14	
15	49	26	37	0	15	28	0	0	0	0	0	30.09	25	5.4	7.3	12	W	592	100	1	1	15	
16	49	26	37	0	15	28	0	0	0	0	0	29.72	19	3.8	4.5	7	W	78	13	10	10	16	
17	42	17	30	-8	15	35	0	1	0	.02	0	29.67	36	14.0	14.7	25	NE	15	3	10	8	17	
18	27	8	18	-20	3	47	0	0	0	0	0	30.19	36	9.8	10.5	20	N	586	100	0	0	18	
19	31	5	18	-20	6	47	0	0	0	0	0	30.42	21	8	5.2	9	S	597	100	0	0	19	
20	46	20	33	-5	15	32	0	0	0	0	0	30.11	20	7.2	7.5	3	SW	237	40	8	6	20	
21	46	17	32	-6	20	33	0	0	0	0	0	29.73	27	7.7	8.5	26	NW	169	28	9	6	21	
22	41	23	32	-6	9	33	0	0	0	0	0	29.73	26	7.2	8.2	23	SW	587	98	2	1	22	
23	44	14	29	-9	11	36	0	0	0	0	0	29.82	16	4.4	6.8	16	SW	603	100	1	0	23	
24	68	38	53	15	32	12	0	0	0	0	0	29.67	21	9.2	9.5	18	SW	380	63	6	7	24	
25	47	32	40	2	37	25	0	1	8	1.03	0	30.04	05	5.2	5.8	9	E	0	0	10	8	25	
26	74*	39	57*	19	56	8	0	1	0	1.05	0	29.99	15	6.1	8.5	21	N	93	15	10	10	26	
27	65	36	51	13	54	14	0	1	0	1.32	0	29.87	27	9.2	9.6	19	N	0	0	10	10	27	
28	44	30	37	-1	24	28	0	1	0	0	0	29.88	30	6.4	8.2	18	N	613	100	1	3	28	
29	55	32	44	6	26	21	0	0	0	0	0	29.67	24	8.6	8.4	14	W	314	51	5	6	29	
30	44	21	33	-5	28	32	0	0	0	0	0	29.65	29	8	4.0	10	NW	155	25	10	7	30	
31	52	26	39	1	31	25	0	1	8	0	0	29.78	14	3.7	5.6	13	S	445	72	9	8	31	
SUR	SUR					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:				TOTAL		SUR	SUR				
1449	728					917	0			3.39	.2	29.99	27	8.8	8.8	31	SW	10466		170	158		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					PRECIPITATION	DEP.					DATE	14	POSSIBLE	MONTH	AVG.	AVG.		
46.7	23.5	35.1	-2.4	24	6.4					0.53						18439	57	5.8	5.1				
NUMBER OF DAYS		TOTAL		TOTAL		SNOW, ICE PELLETS		DRIEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW.		PRECIPITATION		SNOW, ICE PELLETS		ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.		2191		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS		ICE PELLETS OR ICE AND DATE									
≥ 90 °F		≤ 32 °F		≤ 0 °F		0		0		1.81		26-27		.2		17		T		30+			
0		4		28		0		-172		0		CLEAR 11		PARTLY CLOUDY 6		CLOUDY 14							

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † TRACE AMOUNT.  
 \* ALSO ON AN EARLIER DATE, OR DATES.  
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.  
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. OO = CALM.  
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.  
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.  
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	AVERAGES						RESULTANT WIND	
		STATION PRESSURE IN.	TEMPERATURE	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.		
01	5	29.91	33	30	74	7.7	27	2.4	
04	4	29.93	31	29	77	7.2	28	2.5	
07	4	29.96	30	28	78	6.8	30	1.6	
10	5	29.99	36	32	63	8.9	28	2.4	
13	6	29.81	43	36	48	10.2	26	4.4	
16	6	29.80	43	36	48	9.6	26	3.8	
19	5	29.82	37	33	63	7.8	28	2.8	
22	5	29.84	34	31	70	7.8	28	2.0	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1	T																							
2	T																							
3			.01	T																				
4																								
5																								
6																								
7																								
8																								
9	.01	T																						
10																								
11																								
12																								
13																								
14	T	T																						
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26	.01	T																						
27	.08	.02																						
28	T																							
29																								
30																								
31																								

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE. 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

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 CENTER, ASHEVILLE, NORTH CAROLINA 28801.

**noaa** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE

*Thomas D. Potter*  
 DIRECTOR, NATIONAL CLIMATIC CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SAT. COVER			VISIB. (MILES)	WEATHER	TEMPERATURE				WIND				VISIB. (MILES)	WEATHER	TEMPERATURE				WIND				VISIB. (MILES)	WEATHER								
	8-10	10-12	12-15			AIR * F	WET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED	AMTS	AIR * F			WET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED	AMTS	AIR * F	WET BULB * F			DEW PT. * F	REL. HUM. %	DIR	SPEED	AMTS			
DAY 01																																	
01	10	5	3			44	44	44	100	32	12	0	UNL	12			29	29	27	92	34	3	8	28	10			34	33	32	92	19	6
04	10	12	10		F	39	37	35	86	35	15	0	UNL	10			27	27	26	96	33	4	10	100	10			39	37	33	79	19	10
07	10	12	10		F	38	37	35	89	35	13	0	UNL	10			26	26	25	96	00	0	10	10	10			39	37	33	79	20	5
10	8	80	10			40	37	34	79	36	12	6	UNL	10			35	33	29	79	00	0	10	7	4			41	40	39	93	22	5
13	0	UNL	12			47	47	41	32	56	32	7	10	35	9		39	34	26	60	20	6	10	2	1			45	45	45	100	16	10
16	0	UNL	15			47	40	30	52	35	7	10	30	0		40	35	29	65	20	4	10	11	1			53	52	51	93	24	11	
19	0	UNL	15			36	34	29	70	02	7	5	UNL	10			36	34	30	79	16	4	10	25	7			52	50	40	90	26	6
22	0	UNL	15			33	31	28	62	02	6	0	UNL	10			32	31	30	92	12	4	10	120	15			46	40	31	56	29	12
DAY 02																																	
01	10	120	15			41	36	27	58	29	8	0	UNL	15			21	18	09	60	33	6	9	UNL	15			23	21	16	74	08	4
04	2	UNL	15			35	30	21	57	30	6	0	UNL	15			18	16	07	62	33	8	0	UNL	15			17	17	14	88	00	0
07	0	UNL	15			32	27	17	54	31	12	0	UNL	15			17	15	06	62	32	7	0	UNL	15			15	16	15	96	00	0
10	0	UNL	15			35	29	15	44	32	12	2	UNL	15			22	19	07	52	34	12	1	UNL	12			28	24	15	58	16	5
13	1	UNL	15			36	28	10	34	31	12	4	UNL	15			28	23	07	39	02	8	0	UNL	10			36	29	13	39	22	6
16	0	UNL	15			34	26	08	34	29	10	10	UNL	15			27	23	07	39	01	3	0	UNL	8			35	30	12	34	14	6
19	0	UNL	15			28	23	08	43	35	7	10	300	35			29	23	13	55	00	0	0	UNL	12			28	23	17	72	18	5
22	0	UNL	15			24	20	09	53	33	7	10	300	15			26	23	13	58	00	0	0	UNL	12			21	20	18	88	13	3
DAY 03																																	
01	10	35	10			26	25	22	85	18	4	10	2	1			40	40	40	100	26	10	0	UNL	12			20	18	10	65	01	11
04	10	30	10			30	27	22	72	20	3	10	4	3			42	42	42	100	22	10	0	UNL	12			17	16	10	74	01	5
07	10	25	4		ZRF	32	30	27	82	00	0	0	0	5	3		41	41	41	100	28	7	0	UNL	12			15	14	09	77	31	5
10	10	14	7			35	33	30	82	00	0	10	12	3			39	38	37	93	02	12	1	UNL	10			20	17	05	52	27	8
13	10	70	7			41	38	34	76	19	3	10	100	7			37	35	32	82	34	15	0	UNL	15			27	21	04	37	25	6
16	10	100	12		12 RHF	37	37	36	86	00	0	3	UNL	12			38	33	24	57	26	12	1	UNL	15			30	23	06	35	27	10
19	10	2	1		12 RHF	38	38	38	100	14	3	0	UNL	12			28	25	16	61	36	14	0	UNL	15			23	19	07	50	21	4
22	10	2	0		12 RHF	39	39	39	100	17	6	0	UNL	12			22	19	10	60	01	14	0	UNL	15			21	18	08	57	23	7
DAY 04																																	
01	0	UNL	15			22	19	07	52	26	6	7	UNL	15			25	23	16	69	15	4	0	UNL	12			38	36	34	86	24	10
04	0	UNL	15			15	15	12	88	00	0	10	250	15			28	25	16	81	18	6	0	UNL	12			34	33	30	85	25	6
07	0	UNL	15			19	17	10	88	00	0	10	100	12			30	26	18	81	17	5	0	UNL	8			33	31	28	82	26	7
10	0	UNL	15			20	17	02	41	05	5	10	70	12			34	30	24	67	17	8	0	UNL	8			42	36	26	53	30	11
13	8	UNL	15			33	25	02	27	24	3	10	250	12			47	37	21	36	21	11	1	UNL	15			49	39	24	39	33	0
16	9	250	15			35	27	07	31	17	4	10	60	12			46	37	23	40	23	7	1	UNL	15			48	38	22	36	00	0
19	8	250	15			28	25	16	58	12	5	10	30	8			41	38	35	82	22	8	5	UNL	12			43	35	20	40	07	6
22	10	250	15			27	24	16	63	15	3	2	UNL	15			41	38	35	79	25	9	6	UNL	12			33	31	27	79	13	6
DAY 05																																	
01	9	150	12			30	29	28	92	12	4	10	16	7			59	56	54	84	24	12	0	UNL	15			34	27	12	40	30	8
04	5	250	12			26	28	26	92	15	6	6	50	15			56	50	44	64	27	15	0	UNL	15			28	25	14	53	24	6
07	2	UNL	2		F	29	29	28	96	17	3	0	UNL	15			43	36	26	51	32	14	0	UNL	15			28	24	15	58	23	5
10	1	UNL	2		B H	39	37	34	82	17	8	0	UNL	10			48	39	27	44	30	11	0	UNL	15			39	31	17	41	25	8
13	1	UNL	10			52	51	47	59	18	8	1	UNL	10			60	40	21	29	31	12	0	UNL	15			46	34	14	29	16	9
16	10	100	10			54	47	40	59	18	7	0	UNL	10			52	38	13	21	31	13	3	UNL	15			46	35	13	26	29	6
19	9	100	12			54	48	42	64	18	12	0	UNL	12			42	32	13	31	25	4	7	200	15			32	27	17	54	13	3
22	5	UNL	15			58	52	47	67	19	15	0	UNL	12			36	30	17	46	28	7	10	250	15			28	26	18	63	16	4
DAY 06																																	
01	10	150	12			34	29	18	52	15	7	10	100	7			38	35	31	75	29	3	0	UNL	12			16	14	05	62	35	13
04	10	250	12			33	29	21	61	18	7	10	20	7			39	35	30	70	02	15	0	UNL	12			14	11	-01	51	24	12
07	10	50	12			35	31	25	67	15	4	10	2	0			35	24	22	80	36	13	0	UNL	12			12	10	03	67	01	11
10	10	50	7			38	34	28	67	24	4	10	50	15			27	23	10	49	01	15	0	UNL	15			17	14	01	49	01	10
13	10	250	7			44	37	26	49	22	4	10	60	15			27	22	08	47	01	13	0	UNL	15			23	18	02	40	04	12
16	10	250	10			47	39	28	48	20	5	8	100	15			26	21	06	42	36	17	0	UNL	15			25	20	01	35	34	11
19	9	250	10			38	35	31	76	00	0	6	100	15			29	20	04	40	35	13	0	UNL	15			16	14	05	62	03	4
22	10	120	10			36	34	30	79	00	0	1	UNL	15			20	17	04	50	34	13	0	UNL	15			10	09	05	80	00	0
DAY 07																																	
01	0	UNL	12			11	10	05	77	01	6	0	UNL	12			22	19	11	62	20	8	0	UNL	12			24	23	20	85	18	3
04	0	UNL	12			10	09	04	76	32	5	0	UNL	12			21	18	11	65	18	6	9	30	10			22	22	20	92	00	0
07	0	UNL	12			08	08	04	84	00	0	7	80	12			23	20	11	60	19	6	2	UNL	10			19	19	19	100	21	3
10	0	UNL	12			19	16	05	54	30	3	4	UNL	10			33	27	13	44	20	10	10	100	8			33	30	28	75	21	5
13																																	