

**U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU**  
**SURFACE WEATHER OBSERVATIONS**  
 MONTHLY RECORD

STATION Richmond, Va.-WBAS-R. E. Byrd Field MONTH February YEAR 1950  
Eastern STANDARD TIME

DAY	TEMPERATURE °F.						PRECIPITATION (IN.)			SNOW, SLEET OR ICE ON GROUND	WIND			SUNSHINE		SKY COVER		THUNDERSTORM OR HEAVY LIGHTNING	VISIBILITY 3/4 MI. OR LESS ON LESS CAUSED BY	20	21	22
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NOR. (BASE 65°)	DEGREE DAYS	TOTAL (WA. TER EQUIV. ALENT)	SNOWFALL	SLEET	HAIL		PREVAILING DIRECTION	AVERAGE SPEED (m. p. h.)	FASTEST MILE	SPEED	DIRECTION	TOTAL (Hours and minutes)	PERCENT OF POSSIBLE					
1	46	36	41	+ 5	24	0.35	0.0	0	0	NNE	8.4					10	10					
2	63	37	50	+14	15	0.03	0.0	0	0	SSW	7.1					9	9					
3	53	27	40	+ 3	25	0.00	0.0	0	0	N	8.0					1	1					
4	52	21	37	0	28	0.00	0.0	0	0	WNW	3.1					6	3					
5	48	26	37	0	28	0.00	0.0	0	0	NE	4.5					7	4					
6	53	34	44	+ 7	21	0.09	0.0	0	0	SW	9.9					10	10					
7	51	38	45	+ 8	20	0.00	0.0	0	0	NNE	10.4					10	9					
8	48	28	38	+ 1	27	0.00	0.0	0	0	E	8.9					3	5					
9	55	40	48	+11	17	0.16	0.0	0	0	SSW	7.7					10	10					
10	48	40	44	+ 6	21	0.13	0.0	0	0	NNW	6.3					10	10					
11	52	32	42	+ 4	23	T	0.0	0	0	N	4.3					6	6					
12	55	30	43	+ 5	22	0.00	0.0	0	0	E	4.1					9	9			F		
13	59	44	52	+14	13	0.16	0.0	0	0	NNE	6.5					10	10					
14	50	40	45	+ 7	20	0.07	0.0	0	0	NNE	4.7					10	10			FL		
15	54	45	50	+12	15	0.11	0.0	0	0	NW	4.7					10	10			FR		
16	46	39	43	+ 5	22	0.00	0.0	0	0	NW	3.1					10	10					
17	40	32	36	- 3	29	T	T	0	0	NW	7.1					10	9					
18	52	27	40	+ 1	25	0.00	0.0	0	0	NW	5.6					0	0					
19	53	33	43	+ 4	22	0.00	0.0	0	0	WNW	10.4					2	3					
20	36	23	30	- 9	35	0.00	0.0	0	0	NNE	9.5					3	2					
21	44	16	30	-10	35	0.00	0.0	0	0	S	4.5					5	5					
22	64	35	50	+10	15	0.14	0.0	0	0	SSW	6.5					10	10					
23	58	30	44	+ 4	21	0.32	0.0	0	0	WNW	10.2					4	4					
24	57	28	43	+ 3	22	0.00	0.0	0	0	SSW	9.7					7	4					
25	48	28	38	- 3	27	0.11	2.3	T	0	NE	5.3					7	6					
26	35	22	29	-12	36	0.04	0.6	T	0	WNW	9.8					3	4					
27	39	15	27	-14	38	0.00	0.0	T	0	WNW	6.1					0	0					
28	52	18	35	- 6	30	0.00	0.0	0	0	SSW	7.8					7	6					
29																						
30																						
31																						
SUM	1411	864				1.71	2.9				194.2					189	179					
AVG.	50.4	30.9								PREVAILING	6.9		FASTEST	DIRECTION	POSSIBLE	%	6.8	6.4				

TEMPERATURE DATA

AVERAGE MONTHLY 40.7  
 DEPARTURE FROM NORMAL +2.2  
 HIGHEST 64 ON 22nd  
 LOWEST 15 ON 27th  
 NUMBER OF DAYS WITH—  
 MAX. 32° OR BELOW 0  
 MAX. 90° OR ABOVE 0  
 MIN. 32° OR BELOW 16  
 MIN. 0° OR BELOW 0  
 DEGREE DAYS (BASE 65°)—  
 TOTAL THIS MONTH 676  
 DEPARTURE FROM NORMAL ---  
 SEASONAL TOTAL 2524  
 DEPARTURE FROM NORMAL ---

PRECIPITATION DATA

TOTAL FOR THE MONTH 1.71 IN.  
 DEPARTURE FROM NORMAL --- IN.  
 GREATEST IN 24 HOURS 0.46 ON 22&23  
 SNOWFALL, SLEET, AND HAIL  
 TOTAL FOR THE MONTH 2.9 IN.  
 GREATEST IN 24 HOURS 2.9 ON 25&26  
 GREATEST DEPTH ON GROUND 3 ON 26  
 BAROMETRIC PRESSURE  
 MONTHLY MEAN STATION 29.962 IN.  
 HIGHEST SEA-LEVEL 30.59 IN. ON 8th  
 LOWEST SEA-LEVEL 29.43 IN. ON 23rd

WEATHER

NUMBER OF DAYS—  
 CLEAR (Scale 0-3) 7  
 PARTLY CLOUDY (Scale 4-7) 8  
 CLOUDY (Scale 8-10) 13  
 WITH 0.01 INCH OR MORE PRECIP. 12  
 WITH 0.10 INCH OR MORE PRECIP. 8  
 WITH 0.50 INCH OR MORE PRECIP. 0  
 WITH 1.00 INCH OR MORE PRECIP. 0  
 DATES OF—  
 HAIL ---  
 SLEET ---  
 GLAZE ---

SYMBOLS USED IN COLUMNS 18-19

- A = Hail
- BS = Blowing Snow
- DL = Distant Lightning
- D = Dust
- E = Sleet
- F = Fog
- H = Haze
- K = Smoke
- L = Drizzle
- N = Sand
- R = Rain
- S = Snow
- T = Thunderstorm
- Zl = Freezing Drizzle
- ZR = Freezing Rain

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
**STATION METEOROLOGICAL SUMMARY**

STATION RICHMOND, VIRGINIA, WBO, CHIMBORAZO PARK MONTH FEBRUARY YEAR 1950  
**EASTERN STANDARD TIME**

DAY	TEMPERATURE °F.				PRECIPITATION (IN.)				WIND				SUNSHINE		SKY COVER		THUNDERSTORM WIND LIGHTNING	VISIBILITY & MI. OR LESS CAUSED BY	River Stage at 8 AM	21	22
	1 MAXIMUM	2 MINIMUM	3 AVERAGE	4 DEPARTURE FROM NOR- MAL	5 DEGREE DAYS (BASE 65°)	6 TOTAL (WA- TER EQUIV- ALENT)	7 SNOWFALL, SLEET, HAIL	8 SNOW SLEET, HAIL OR ICE ON GROUND AT 1700	9 PREVAILING DIRECTION	10 AVERAGE SPEED (m. p. h.)	11 FASTEST MILE	12 SPEED (m. p. h.)	13 DIREC- TION	14 TOTAL (hours and minutes)	15 PERCENT OF POSSIBLE	16 SUNRISE TO SUNSET (tenths)					
1	46	37	42	+4	23	0.26	0.0	0	NE	7.3	12	NE	0:00	0	10			1.5			
2	63	38	51	+13	14	.01	0.0	0	W	6.9	13	N	4:07	40	8			3.4			
3	55	31	43	+5	22	.00	0.0	0	N	7.8	14	N	10:24	100	1			5.9			
4	51	27	39	+1	26	.00	0.0	0	SW	4.5	12	NW	7:17	70	6			7.0			
5	48	30	39	0	26	.00	0.0	0	NE	6.0	9	N	8:58	86	7			4.9			
6	53	34	44	+5	21	.07	0.0	0	SW	9.2	17	SW	0:00	0	10			2.6			
7	52	40	46	+7	19	.00	0.0	0	NE	9.0	18	N	0:00	0	10			2.3			
8	49	30	40	+1	25	.00	0.0	0	NE	7.9	13	NE	8:37	82	3			2.3			
9	55	41	48	+9	17	.12	0.0	0	W	8.8	21	W	0:18	3	10			2.0			
10	49	41	45	+6	20	.12	0.0	0	N	6.6	13	NE	0:00	0	10			1.6			
11	53	38	46	+7	19	T	0.0	0	N	5.3	10	NE	5:14	49	7			1.6			
12	56	31	44	+5	21	.00	0.0	0	W	4.6	10	NE	5:10	48	7		F	1.7			
13	57	45	51	+12	14	.18	0.0	0	NE	6.3	13	N	0:00	0	10			1.7			
14	50	41	46	+7	19	.07	0.0	0	NE	6.0	13	N	0:00	0	10			1.7			
15	54	45	50	+11	15	.10	0.0	0	NW	5.6	13	N	2:01	19	10			1.7			
16	46	40	43	+3	22	T	0.0	0	NW	5.4	14	NW	0:36	6	10			1.9			
17	40	34	37	-3	28	T	T	0	NW	9.6	18	NW	2:03	19	10			1.9			
18	50	31	41	+1	24	.00	0.0	0	NW	7.4	12	SW	10:57	100	0			1.7			
19	51	34	43	+3	22	.00	0.0	0	NW	11.5	28	NW	10:06	92	4			1.7			
20	37	23	30	-10	35	.00	0.0	0	N	9.2	20	NE	10:24	94	4			1.6			
21	45	19	32	-8	33	.00	0.0	0	SE	6.2	13	SW	8:34	77	4			1.5			
22	64	36	50	+10	15	.14	0.0	0	SW	8.8	34	SW	0:27	4	10			1.5			
23	59	35	47	+6	18	.18	0.0	0	NW	12.4	28	NW	7:57	71	4		T	1.5			
24	57	31	44	+3	21	.00	0.0	0	SW	10.8	27	SW	8:23	75	8			1.4			
25	48	30	39	-2	26	.29	1.9	0	NE	7.1	17	NE	7:55	71	6			1.3			
26	35	25	30	-11	35	.11	1.1	1.0	NW	11.2	20	NW	10:21	92	2			1.3			
27	39	17	28	-14	37	.00	0.0	T	NW	9.1	21	NW	11:18	100	0			1.3			
28	53	21	37	-5	28	T	0.0	0	S	9.6	20	S	6:44	59	8			1.3			
29																					
30																					
31																					
SUM	1415	925				1.65	3.0			220.1			147:51		189				61.8		
AVG	50.5	33.0								7.9			303:06	24	68				2.2		
								MISC.			34	SW		49							

TEMPERATURE DATA

AVERAGE MONTHLY 41.8  
 DEPARTURE FROM NORMAL +2.2  
 HIGHEST 64 ON 22  
 LOWEST 17 ON 27  
 NUMBER OF DAYS WITH—  
 MAX. 32° OR BELOW 0  
 MAX. 90° OR ABOVE 0  
 MIN. 32° OR BELOW 13  
 MIN. 0° OR BELOW 0  
 DEGREE DAYS (BASE 65°)—  
 TOTAL THIS MONTH 645  
 DEPARTURE FROM NORMAL -77  
 SEASONAL TOTAL 2331  
 DEPARTURE FROM NORMAL -695

PRECIPITATION DATA

TOTAL FOR THE MONTH 1.65 IN.  
 DEPARTURE FROM NORMAL -1.52 IN.  
 GREATEST IN 24 HOURS .40 ON 25-26  
 SNOWFALL, SLEET, AND HAIL  
 TOTAL FOR THE MONTH 3.0 IN.  
 GREATEST IN 24 HOURS 3.0 ON 25-26  
 GREATEST DEPTH ON GROUND 3.0 ON 26

BAROMETRIC PRESSURE

MONTHLY MEAN STATION - IN.  
 HIGHEST SEA-LEVEL - IN. ON -  
 LOWEST SEA-LEVEL - IN. ON -

\*Crest 7.3 feet at 1800.

WEATHER

NUMBER OF DAYS—  
 CLEAR (Scale 0-3) 5  
 PARTLY CLOUDY (Scale 4-7) 9  
 CLOUDY (Scale 8-10) 14  
 WITH 0.01 INCH OR MORE PRECIP. 12  
 WITH 0.10 INCH OR MORE PRECIP. 9  
 WITH 0.50 INCH OR MORE PRECIP. 0  
 WITH 1.00 INCH OR MORE PRECIP. 0  
 DATES OF—  
 HAIL 0  
 SLEET 0  
 GLAZE 0

SYMBOLS USED IN COLUMNS 18-19

A=Hail  
 BS=Blowing Snow  
 DL=Distant Lightning  
 D=Dust  
 E=Sleet  
 F=Fog  
 H=Haze  
 K=Smoke  
 L=Drizzle  
 N=Sand  
 R=Rain  
 S=Snow  
 T=Thunderstorm  
 ZL=Freezing Drizzle  
 ZR=Freezing Rain

The coldest weather thus far this season occurred in the last decade, although the average temperature for the month was well above normal for the fourth successive month. The season (Dec. - Feb.) was the fifth warmest winter of record and the second successive abnormally warm winter. The precipitation deficiency which commenced in December carried through this month, and for the season the total amount was only 62 per cent of normal. The first measurable snow of the season occurred on the 25-26th.

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