



LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE - ALEXANDER B. TROWBRIDGE, Acting Secretary

RICHMOND, VIRGINIA

BYRD FIELD

FEBRUARY 1967

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION -- ENVIRONMENTAL DATA SERVICE

Latitude 37° 30' N Longitude 77° 20' W Elevation (ground) 164 ft. Standard time used: EASTERN

Date	Temperature (°F)						Weather types shown by code 1-9 on dates of occurrence 1 2 3 4 5 6 7 8 9 Fog Heavy Fog x Thunderstorm Sleet Hail Glaze Duststorm Smoke Haze Blowing Snow	Snow, Sleet, or Ice on ground at 07AM (In.)	Precipitation		Avg. station pressure (In.) Elev. 164 feet m.s.l.	Wind				Sunshine		Sky cover (Tenths)		Date		
	Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days (Base 65°)			Total (Water equivalent) (In.)	Snow, sleet (In.)		Resultant direction	Resultant speed (m.p.h.)	Average speed (m.p.h.)	Fastest mile	Total (Hours and tenths)	Percent of possible	Sunrise to sunset	Midnight to midnight			
1	70	44	57	18	39	7		8	0	0	29.93	23	4.6	6.6	13	SW	7.2	69	5	4	1	
2	72	40	56	17	44	9		0	0	T	29.75	22	6.7	11.4	30	SW	7.9	76	8	7	2	
3	43	23	33	-6	24	32		0	0	0	30.04	02	9.2	10.2	19	NE	9.2	88	9	5	3	
4	48	21	35	-4	27	30	1	8	0	0	29.87	24	2.6	6.3	12	SW	5.1	48	5	5	4	
5	54	26	40	1	26	25		0	0	0	29.69	24	5.4	7.8	13	W	10.3	99	1	3	5	
6	53	28	41	2	27	24	1	8	0	0	29.71	06	2.7	11.4	17	NE	7.7	73	10	7	6	
7	28	15	22	-18	18	43	1	4 6	4	.65	3.9	29.73	01	12.2	13.2	23	N	4.2	40	9	7	7
8	35	15	25	-19	12	44		3	0	0	30.19	36	3.0	5.3	9	N	10.6	100	0	0	8	
9	32	10	21	-19	19	44	1	8	2	.43	4.6	30.04	04	4.0	6.6	15	NE	0.1	1	10	8	9
10	44	10	27	-13	26	38	2	8	8	.13	1.8	29.76	22	5.7	9.6	17	SW	9.2	86	6	7	10
11	50	31	41	1	33	24	1	8	4	0	29.74	22	9.1	9.8	16	SW	7.3	68	8	6	11	
12	41	19	30	-10	16	35		1	1	0	30.03	01	6.8	7.6	14	NE	10.0	93	1	2	12	
13	42	15	29	-11	16	36		T	T	0	30.10	16	3.1	5.5	10	SW	10.0	93	1	1	13	
14	65	27	46	6	30	19		T	T	0	29.96	21	10.9	11.2	18	SW	10.4	96	5	3	14	
15	64	51	58	18	35	7		0	0	0	29.80	21	13.6	13.7	24	SW	1.2	11	10	10	15	
16	65	36	51	11	33	14		T	T	0	29.77	26	7.6	16.1	30	NW	6.6	60	8	9	16	
17	37	26	32	-8	26	33	1	4 6	0	1.11	4.0	30.02	02	9.3	9.5	14	N	0.0	0	10	10	17
18	32	25	29	-11	27	36	1	4	4	.24	.9	29.94	01	8.1	9.1	12	N	0.0	0	10	10	18
19	34	27	31	-9	27	34	1	8	3	T	T	30.16	22	2.9	5.9	9	SW	5.4	49	10	10	19
20	37	30	34	-6	33	31	2	8 8	2	.45	0	29.89	19	8.3	8.3	12	SW	2.3	21	10	10	20
21	42	22	32	-8	24	33	2	8 8	T	0	29.66	31	8.2	10.8	27	NW	7.2	65	5	5	21	
22	47	17	32	-9	22	33	1	8 8	0	0	29.88	16	5.7	8.1	15	S	10.0	90	5	5	22	
23	44	26	35	-6	22	30	1	8	0	0	29.53	26	9.7	10.9	26	W	9.3	84	4	5	23	
24	34	18	26	-15	8	39		0	0	0	29.71	29	13.1	14.5	27	NW	9.0	81	4	4	24	
25	29	10	20	-21	-7	45		0	0	0	29.97	31	17.1	17.4	25	W	11.2	100	3	4	25	
26	39	12	26	-16	0	39		0	0	0	30.20	32	9.2	10.2	17	N	11.3	100	0	0	26	
27	48	15	32	-10	13	33		4	0	0	30.06	19	8.7	9.5	26	SW	5.9	52	9	7	27	
28	52	32	42	0	28	23	1	4	0	.09	.2	29.66	27	9.5	14.2	24	SW	8.3	73	5	5	28

Sum	Sum	Total					Dep.	Temperature:				Total	Total	For the month:				Total	%	Sum	Sum		
1281	663	841					138	Number of days				3.35	17.1	29.89	27	3.1	10.0	30	NW	196.9	65	171	159
Avg.	Avg.	Season to date					Max.	Max.	Min.	Min.	Dep.	Date: 16+				Possible	month	Avg.	Avg.				
45.8	23.7	3218					171	4	0	24	0	Greatest in 24 hours and dates				Greatest depth on ground of snow, sleet or ice and date							
											1.25	17-18	6.4	9-10	8	10							

* Extreme for the month. May be the last of more than one occurrence.
 - Below zero temperatures or negative departure from normal.
 T In columns 9, 10, and 11 and in the Hourly Precipitation table indicates an amount too small to measure.
 X Heavy fog — visibility 1/4 mile or less.
 ‡ ≥ 70° at Alaskan stations. + Also on an earlier date, or dates.

HOURLY PRECIPITATION (Liquid in Inches)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	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																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7	.11	.08	.09	.10	.08	.07	.07	.03	.01	T															7
8																									8
9																									9
10	.11	T	.01	.01																					10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17	.01	T		.01	.03	.03	.04	.07	.10	.12	.08	.06		.07	.04	.03	.04	.04	.04	.04	.05	.06	.05	.06	17
18	.04	.04	.04	.03	.03	.04	.02	T	T	T				T	T	T									18
19																									19
20																									20
21																									21
22																									22
23	T	T																							23
24																									24
25																									25
26																									26
27																									27
28	.04	.02	.01	.01	.01	T																			28

Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals. Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts. Any errors detected will be corrected and changes in summary data will be annotated in the annual Summary if published.

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I certify that this is an official publication of the Environmental Science Services Administration, and is compiled from records on file at the National Weather Records Center, Asheville, North Carolina. 28801.
William H. Haggard
 Director, National Weather Records Center

Hour (Local time)	Sky cover (in tenths)	Station press. (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. (%)	Dew point (°F)	Resultant wind		
							Wind speed (m.p.h.)	Direction	
01	5	29.89	32	29	77	24	8.8	28	2.1
04	5	29.87	30	28	78	23	9.1	28	2.9
07	5	29.89	29	27	81	23	8.4	26	2.3
10	6	29.92	37	32	64	24	11.6	28	5.1
13	6	29.89	42	35	50	23	12.1	28	5.0
16	6	29.86	43	35	48	22	11.3	26	4.3
19	5	29.88	36	32	61	22	9.6	27	1.6
22	6	29.90	33	30	71	23	9.2	27	1.9

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER (%)	CEILING (Feet)	VISIBILITY (Miles)	WEATHER	DRY BULB (°F)				WIND				SKY COVER (%)	CEILING (Feet)	VISIBILITY (Miles)	WEATHER	DRY BULB (°F)				WIND				SKY COVER (%)	CEILING (Feet)	VISIBILITY (Miles)	WEATHER	DRY BULB (°F)				WIND			
					12	15	18	21	DIR.	SPEED (Knots)	DIR.	SPEED (Knots)					12	15	18	21	DIR.	SPEED (Knots)	DIR.	SPEED (Knots)					12	15	18	21	DIR.	SPEED (Knots)	DIR.	SPEED (Knots)
01	4	UNL	12		47	42	63	33	19	7	3	UNL	7				46	44	83	41	16	3	9	27	15					41	38	73	33	36	13	
04	4	UNL	12		48	43	63	33	19	7	0	UNL	7				41	41	86	43	16	3	0	UNL	15				36	32	70	26	19	8		
07	10	60	12		48	44	74	40	22	5	2	UNL	7				44	43	96	43	19	6	0	UNL	15			33	30	67	23	01	11			
10	8	100	8		55	49	67	44	26	7	9	CIR	7				61	54	65	49	22	11	10	UNL	15			36	31	55	21	01	13			
13	8	UNL	8		68	52	32	37	30	8	10	100	8				70	57	44	47	21	12	10	CIR	15			41	34	49	23	05	9			
16	8	UNL	12		10	53	29	36	27	4	10	80	10				67	55	45	45	22	15	10	CIR	15			40	33	45	20	03	5			
19	4	UNL	12		50	44	64	38	14	4	8	100	10				63	54	46	46	23	11	0	UNL	15			33	30	67	23	08	7			
22	4	UNL	12		47	44	77	40	18	3	10	45	15				45	42	77	38	36	11	0	UNL	15			27	26	85	23	03	3			
DAY 04																																				
01	0	UNL	10		24	24	96	23	02	4	10	100	12				42	37	65	31	27	7	0	UNL	10			35	30	57	21	18	6			
04	0	UNL	10		22	22	100	22	36	4	2	UNL	12				37	34	76	30	34	5	0	UNL	10			38	32	55	23	19	12			
07	1	UNL	10		22	22	100	22	34	7	1	UNL	12				30	29	85	26	20	5	0	UNL	10			35	32	70	26	19	8			
10	10	15	4		32	31	92	30	25	8	0	UNL	10				43	37	47	26	30	8	10	UNL	10			49	41	50	31	22	6			
13	0	UNL	10		42	37	60	29	20	5	0	UNL	15				51	40	33	23	23	9	10	CIR	10			49	40	46	29	01	13			
16	1	UNL	10		47	39	48	28	21	8	0	UNL	15				53	40	29	21	24	11	10	100	3	H		40	37	73	32	04	12			
19	9	CIR	12		37	34	73	29	21	6	4	UNL	12				37	32	59	24	18	4	10	17	5	H		32	30	79	26	04	13			
22	10	100	12		41	36	82	29	21	6	5	UNL	12				34	30	64	23	18	5	10	1	0	B SF		29	29	96	28	04	9			
DAY 07																																				
01	10	2	0		26	26	100	26	04	12	0	UNL	12				13	14	80	10	36	9	0	UNL	7			16	16	96	15	24	3			
04	10	8	0		24	24	92	22	03	15	0	UNL	12				14	13	74	07	01	5	3	UNL	5	GF		11	11	100	11	18	3			
07	10	7	0		21	21	96	20	01	15	1	UNL	10				10	10	96	09	36	5	7	CIR	4	GF		12	12	100	12	14	3			
10	10	30	1		19	19	92	17	34	15	0	UNL	12				23	20	63	12	05	6	10	120	1	B GF		23	23	96	22	03	5			
13	10	20	1		19	19	78	14	34	17	0	UNL	12				32	24	43	11	31	3	10	100	4	K		34	26	66	19	07	9			
16	10	100	7		25	23	72	17	36	9	0	UNL	12				34	27	40	12	30	3	10	80	4	K		31	27	64	20	04	7			
19	0	UNL	10		21	20	78	15	02	5	0	UNL	12				23	22	81	18	19	3	10	2	0	B SF		26	26	100	26	04	6			
22	0	UNL	10		19	18	77	13	01	4	0	UNL	12				18	18	96	17	15	3	10	1	0	B SF		26	26	100	26	36	10			
DAY 10																																				
01	10	7	0		26	26	92	24	34	9	0	UNL	7				33	32	89	30	21	10	0	UNL	8			36	35	76	31	32	5			
04	10	9	0		26	26	92	24	32	9	0	UNL	7				33	32	89	30	21	10	3	UNL	7			35	31	62	23	34	7			
07	3	UNL	10		19	19	100	19	24	3	7	UNL	5	GFH			31	31	96	30	21	7	10	120	12			31	27	56	17	02	8			
10	3	UNL	10		27	27	92	25	21	6	8	CIR	5	H			39	36	76	32	20	11	0	UNL	15			33	27	48	15	02	12			
13	7	UNL	10		39	35	67	30	19	8	10	CIR	7				49	42	54	33	21	8	0	UNL	15			34	27	42	13	02	5			
16	10	10	10		63	38	60	30	19	12	0	UNL	10				48	42	59	34	22	9	0	UNL	15			34	26	34	08	36	6			
19	10	CIR	10		37	34	76	30	21	11	10	100	10				44	40	71	35	21	7	0	UNL	15			26	21	46	08	05	6			
22	10	CIR	10		34	32	82	29	21	9	10	100	10				42	39	79	36	29	6	0	UNL	15			22	19	57	09	06	4			
DAY 13																																				
01	0	UNL	12		19	17	71	11	03	4	0	UNL	15				29	27	78	23	18	5	10	CIR	15			54	44	42	31	21	10			
04	0	UNL	10		18	17	74	11	03	4	0	UNL	15				32	29	72	24	18	7	10	CIR	15			54	44	42	31	22	12			
07	0	UNL	10		15	15	96	14	14	3	3	UNL	12				33	30	72	25	20	9	10	100	15			52	43	45	31	22	13			
10	0	UNL	10		29	25	56	15	16	4	10	UNL	12				47	40	52	30	22	13	10	150	15			53	44	47	33	21	9			
13	0	UNL	10		35	29	44	16	19	8	8	CIR	15				60	48	38	34	22	12	10	150	12			61	49	41	37	21	11			
16	0	UNL	10		41	34	45	21	20	7	0	UNL	15				64	50	33	34	22	12	10	150	12			62	50	40	37	22	11			
19	0	UNL	10		33	25	69	20	13	8	0	UNL	15				51	44	50	34	28	8	10	120	12			61	49	39	36	23	10			
22	0	UNL	10		26	25	85	22	15	5	4	UNL	15				51	43	48	32	20	12	10	120	12			61	50	46	40	21	17			
DAY 16																																				
01	10	CIR	12		61	52	54	44	20	15	10	50	8	S			36	30	50	19	01	9	10	8	1	B EF		27	27	96	26	35	11			
04	10	CIR	12		61	54	63	48	22	20	10	30	5	SE			32	28	64	21	02	9	10	6	1	SF		25	25	100	25	01	7			
07	10	120	15		60	54	67	49	22	13	10	10	5	ZREF			29	29	96	28	06	7	10	6	1	SF		26	26	96	25	01	8			
10	8	CIR	12		64	56	58	49	27	14	10	15	2	ZREF			28	28	100	28	03	9	10	9	2	F		26	27	89	25	36	9			
13	8	CIR	12		59	42	19	17	28	17	10	13	1	ZREF			29	29	100	29	04	7	10	12	2	F		31	30	89	28	02	8			
16	9	CIR	15		57	42	24	20	32	10	10	10	2	EF			29	29	96	28	02	8	10	16	2	SF		32	31	85	28	01	7			
19	10	CIR	15		46	36	36	20	02	10	10	12	5	ZREF			29	29	96	28	02	8	10	13	5	F		30	29	92	28	03	9			
22	10	120	15		38	31	43	17	04	13	10	18	4	EF			27	27	96	26	01	7	10	9	5	F		28	28	96	27	12	4			
DAY 17																																				
01	10	10	4		28	28	92	24	11	5	10	5	1	B F			30	30	96	29	18	6	10	1	0	4 F		36	36	100	36	20	5			
04	10	10	4		28	28	92	24	11	5	10	4	1	B F			30	30	100	30	20	6	10	3	1	B F		36	36	100	36	24	4			
07	10	10	4		27	27	92	25	29	7	10	2	0	B F			30	30	100	30	19	6	10	25	1	B GF		36	36	100	36	32	3			
10	10	10	4		30	29	85	26	25	4	10	3	1	B F			34	33	92	32	19	9	3	UNL	15			41	34	51	24	31	20			
13	10	9	1		32</																															