



LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE -- JOHN T. CONNOR, Secretary

RICHMOND, VIRGINIA
BYRD FIELD
MARCH 1966

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION -- ENVIRONMENTAL DATA SERVICE

Latitude 37° 30' N Longitude 77° 20' W Elevation (ground) 162 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 Fog + Thunderstorm Sleet Hail Glaze Duststorm Smoke, Haze Blowing Snow	Snow, Sleet, or Ice on ground at (In.)	Precipitation (In.)	Avg. station pressure (In.)	Elev. feet m.s.l.	Wind			Sunshine (Hours and tenths)	Sky cover (Tenths)		Date						
	Maximum	Minimum	Average						Departure from normal	Average dew point	Degree days (Base 65°)		Resultant direction	Resultant speed (m.p.h.)		Average speed (m.p.h.)	Fastest mile	Total	Percent of possible	Sunrise to sunset	Midnight to midnight
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	62	45	54	11	32	11			0	0	29.96	23	14.7	16.4	29	NW	10.7	94	1	2	1
2	66	41	54	11	29	11			0	0	29.99	23	6.2	6.9	11	NW	9.3	82	9	6	2
3	68	40	54	11	42	11			0	0	29.90	22	6.4	7.5	22	SW	6.0	52	9	8	3
4	65	56	61	17	57	4	1	8	0	0	29.66	20	7.9	8.5	23	SE	0.4	4	10	10	4
5	66	60	53	9	43	12			0	0	29.34	22	11.0	15.5	29	SW	8.3	72	4	6	5
6	43	30	37	8	20	28			0	0	29.67	26	12.0	12.8	21	W	8.2	71	4	4	6
7	41	24	33	12	15	32			0	0	29.99	31	5.2	8.9	15	N	8.2	70	5	5	7
8	40	25	33	12	15	32			0	0	30.36	01	8.0	8.1	17	N	11.7	100	1	1	8
9	49	22	36	10	20	29		8	0	0	30.45	02	3.4	5.5	9	E	11.7	100	1	0	9
10	58	25	42	4	25	23		8	0	0	30.33	18	3.8	4.0	10	S	11.7	100	1	2	10
11	70	33	52	6	28	13		8	0	0	30.19	19	2.5	6.0	12	NE	9.5	79	4	4	11
12	75	37	56	9	32	9		8	0	0	30.08	23	5.9	7.8	14	SW	11.8	100	2	2	12
13	65	47	56	9	43	9		8	0	0	30.00	09	7	7.6	13	N	6.4	54	9	8	13
14	48	43	46	1	41	19	1		0	0	30.05	08	7.0	7.3	10	E	0.0	0	10	10	14
15	47	41	44	4	40	21	2		0	0	29.95	05	6.5	6.8	13	NE	0.0	0	10	10	15
16	51	30	41	7	19	24			0	0	30.10	05	8.8	9.9	17	NE	12.0	100	1	2	16
17	55	25	40	8	24	25	1	8	0	0	30.18	18	4.2	6.0	9	SE	12.0	100	0	0	17
18	72	36	54	5	33	11			0	0	30.03	20	10.9	11.1	18	SW	12.0	100	0	0	18
19	63	46	55	6	43	10		8	0	0	29.85	20	8.5	10.1	34	SW	5.2	43	8	4	19
20	60	37	49	0	30	16			0	0	29.88	34	5.1	8.9	14	N	11.8	97	4	2	20
21	63	29	46	4	30	19			0	0	30.04	15	2.4	5.5	10	S	12.1	100	4	4	21
22	83	47	65	15	45	0			0	0	29.86	21	12.0	12.9	18	SW	9.7	79	6	7	22
23	82	58	70	20	48	0			0	0	29.73	21	9.7	9.9	19	SW	11.3	92	9	8	23
24	67	38	53	2	48	12			0	0	29.68	20	6.2	11.9	21	SW	1.9	15	10	8	24
25	51	32	42	9	22	23			0	0	29.90	28	4.2	6.2	15	NW	12.3	100	0	0	25
26	58	28	43	8	25	22			0	0	29.78	21	6.6	8.2	24	SW	10.5	85	8	5	26
27	50	33	42	9	19	23			0	0	29.75	01	11.1	11.6	20	N	11.3	91	1	5	27
28	47	29	38	14	12	27			0	0	29.81	36	8.4	10.1	18	N	12.5	100	1	1	28
29	54	23	39	13	16	26			0	0	29.78	24	5.2	7.0	15	W	12.5	100	0	1	29
30	63	39	51	1	30	14		8	0	0	29.39	25	4.9	9.6	26	NW	6.9	55	7	8	30
31	51	35	43	10	31	22		8	0	0	29.38	34	6.7	7.9	25	NW	7.1	56	7	5	31

Sum	Sum	Total		Dep.	Temperature:				Total	Total	For the month:			Total	%	Sum	Sum				
1833	1114	538		8	Number of days					.94	0	29.89	24	2.6	8.9	36	SW	274.8	for	146	138
Avg.	Avg.	Avg.	Dep.	Avg.	Season to date	Max.	Max.	Min.	Min.	Dep.				Date:	19	Possible	month	Avg.	Avg.		
59.1	35.9	47.5	6.2	31	Total	32°	59°	32°	20°	-2.48						370.9	74	4.1	4.5		

* Extreme for the month. 3870 277 0 0 12 0
 † 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.

HOURLY PRECIPITATION (In.)

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						.05	.08	.10	.07	.04	T												.02	.02	4	
5											T	T										T	.02	T	5	
6	T	T																							6	
7																									7	
8																									8	
9																									9	
10																									10	
11																									11	
12																									12	
13																									13	
14	.01	T	T	T	T					.01	T											T	T	.02	14	
15																									15	
16																									16	
17																									17	
18																									18	
19																									19	
20																									20	
21																									21	
22																									22	
23																									23	
24											T	T	.03		.08	.18	.06	T							24	
25																									25	
26																									26	
27																									27	
28																									28	
29																									29	
30																									30	
31					.02	.11	.01	T	T																31	

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.
William J. Fitzgerald
 Acting Director of National Weather Records Center

Hour (Local time)	Sky cover (In tenths)	Station pressure (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Resultant wind		
							Direction	Speed (m.p.h.)	
01	4	29.89	42	38	68	32	7.1	20	1.9
04	4	29.89	40	36	69	30	7.6	22	2.5
07	4	29.92	39	36	74	31	6.6	23	1.7
10	4	29.93	49	42	50	31	11.0	26	3.4
13	5	29.89	56	45	40	30	12.2	26	5.2
16	5	29.84	58	46	37	30	11.3	26	4.6
19	5	29.87	51	43	50	31	8.0	21	1.7
22	5	29.90	45	40	61	32	7.8	20	2.0

OBSERVATIONS AT 3-HOUR INTERVALS.

HOUR		SKY COVER	CEILING	WIND	WEATHER	DRY BULB	WET BULB	REL. HUM.	DEW PT.	WIND	SKY COVER	CEILING	WIND	WEATHER	DRY BULB	WET BULB	REL. HUM.	DEW PT.	WIND	SKY COVER	CEILING	WIND	WEATHER	DRY BULB	WET BULB	REL. HUM.	DEW PT.	WIND					
DAY	TIME	(%)	(ft.)	(mph)		(°F)	(°F)	(%)	(°F)	(mph)	(%)	(ft.)	(mph)		(°F)	(°F)	(%)	(°F)	(mph)	(%)	(ft.)	(mph)		(°F)	(°F)	(%)	(°F)	(mph)					
01	01	0	UNL	15		50	47	83	45	23	15	0	UNL	15		47	38	44	26	23	7	0	UNL	12		45	39	58	31	12	4		
02	04	0	UNL	15		49	43	80	41	23	12	0	UNL	15		44	37	51	27	24	8	7	0	UNL	10		40	37	73	38	00	4	
03	07	0	UNL	15		46	43	83	43	23	15	0	UNL	15		44	36	60	26	23	6	8	0	UNL	10		42	38	71	33	00	4	
04	10	0	UNL	15		52	44	50	35	27	18	0	UNL	15		52	44	33	24	24	8	8	0	UNL	10		56	48	53	39	24	12	
05	13	0	UNL	15		62	45	22	23	24	12	0	UNL	15		62	45	22	23	24	12	3	0	UNL	15		67	57	53	49	23	10	
06	16	0	UNL	15		56	42	28	23	24	13	0	UNL	15		56	42	28	23	24	13	3	0	UNL	15		61	55	70	51	23	4	
07	19	0	UNL	15		51	40	34	23	23	9	0	UNL	15		51	40	34	23	23	9	3	0	UNL	15		60	55	72	51	19	7	
08	22	0	UNL	15								0	UNL	15									0	UNL	15								
DAY 01																																	
01	01	0	UNL	15		58	55	81	52	19	9	0	UNL	15		60	58	90	57	16	11	10	28	10	RM		40	39	89	37	32	7	
02	04	0	UNL	15		58	55	84	53	18	8	0	UNL	15		58	56	90	55	19	13	10	28	10	RM		39	34	62	27	24	9	
03	07	0	UNL	15		57	56	96	56	18	8	0	UNL	15		56	56	90	55	18	10	10	28	10	RM		39	30	57	21	27	13	
04	10	0	UNL	15		40	59	93	58	19	7	0	UNL	15		40	59	93	58	19	7	10	28	10	RM		36	30	39	18	38	3	
05	13	0	UNL	15		63	61	87	59	18	9	0	UNL	15		64	50	24	32	24	19	9	10	28	10	RM		41	32	13	24	15	
06	16	0	UNL	15		65	61	81	59	23	7	0	UNL	15		64	47	21	27	22	15	9	10	28	10	RM		40	31	13	24	16	
07	19	0	UNL	15		63	59	81	57	23	7	0	UNL	15		64	44	37	30	24	11	11	10	28	10	RM		37	30	42	14	24	10
08	22	0	UNL	15		62	60	87	58	23	7	0	UNL	15		64	42	41	35	34	13	13	10	28	10	RM		33	28	32	17	24	7
DAY 04																																	
01	01	0	UNL	15		29	25	54	15	24	5	0	UNL	15		30	25	51	14	01	6	6	0	UNL	12		29	24	78	14	03	4	
02	04	0	UNL	15		28	23	63	15	23	3	0	UNL	12		28	23	69	14	01	6	6	0	UNL	10		24	22	79	17	35	6	
03	07	0	UNL	15		24	23	78	18	23	3	0	UNL	12		24	23	69	14	01	6	6	0	UNL	10		22	21	76	16	38	3	
04	10	0	UNL	15		37	30	41	15	31	10	0	UNL	15		31	26	41	13	02	12	10	15	UNL	15		36	30	50	14	04	7	
05	13	0	UNL	15		40	31	35	14	28	9	0	UNL	15		36	29	34	13	01	12	10	15	UNL	15		44	35	35	18	31	7	
06	16	0	UNL	15		39	31	36	14	31	10	0	UNL	15		40	31	34	14	01	10	10	15	UNL	15		49	38	32	20	10	3	
07	19	0	UNL	15		39	30	44	17	03	9	0	UNL	15		34	28	48	14	02	5	10	15	UNL	15		40	34	51	23	04	5	
08	22	0	UNL	15		34	27	40	12	01	10	0	UNL	15		30	24	54	14	01	0	10	15	UNL	12		32	29	72	24	14	3	
DAY 10																																	
01	01	0	UNL	15		30	29	78	24	00	7	0	UNL	15		34	33	70	27	19	4	4	0	UNL	8		44	39	63	32	15	3	
02	04	0	UNL	15		25	24	88	22	00	0	0	UNL	15		33	31	82	28	22	4	4	0	UNL	5		40	34	70	16	19	3	
03	07	0	UNL	15		43	37	53	27	20	4	0	UNL	15		43	36	29	24	8	8	0	UNL	5		56	45	39	31	28	8		
04	10	0	UNL	15		54	42	33	23	19	4	0	UNL	15		67	49	21	26	22	5	10	15	UNL	5		70	51	22	29	30	8	
05	13	0	UNL	15		29	28	49	27	17	6	0	UNL	15		34	28	48	14	02	5	10	15	UNL	5		40	34	51	23	04	5	
06	16	0	UNL	15		41	34	62	27	21	6	0	UNL	15		51	42	33	30	11	6	6	0	UNL	7		61	49	39	36	20	8	
07	19	0	UNL	15								0	UNL	15									0	UNL	7		58	48	41	33	21	9	
08	22	0	UNL	15								0	UNL	15									0	UNL	7								
DAY 13																																	
01	01	0	UNL	15		58	49	51	40	22	6	10	45	RMH		47	45	88	43	12	5	10	3	0	UNL	12		42	42	94	41	09	4
02	04	0	UNL	15		57	49	57	42	24	11	10	8	RMH		45	43	88	41	09	6	10	3	0	UNL	12		42	42	94	41	05	3
03	07	0	UNL	15		48	44	74	40	08	3	10	6	F		40	38	89	40	07	6	10	3	0	UNL	12		41	40	90	40	06	4
04	10	0	UNL	15		61	52	54	44	31	5	10	6	F		43	42	89	40	07	8	10	8	11	RM		43	42	88	40	04	7	
05	13	0	UNL	15		63	52	43	41	24	8	10	11	F		48	43	83	40	07	8	10	8	11	RM		47	44	80	43	04	8	
06	16	0	UNL	15		64	52	32	40	04	0	10	12	F		43	43	83	40	07	8	10	12	20	RM		47	44	80	41	04	11	
07	19	0	UNL	15		57	51	67	46	06	0	10	11	F		44	42	88	40	08	7	10	4	0	UNL	12		45	43	80	41	05	3
08	22	0	UNL	15		52	48	74	44	14	9	10	3	F		43	42	93	41	08	4	10	8	5	RM		43	40	79	37	06	7	
DAY 16																																	
01	01	0	UNL	15		34	33	51	22	04	11	0	UNL	12		29	28	85	25	14	4	0	UNL	10		37	33	67	27	18	6		
02	04	0	UNL	15		35	30	52	19	04	10	0	UNL	12		28	28	88	23	01	3	0	UNL	8		37	33	65	26	20	4		
03	07	0	UNL	15		33	28	55	19	03	8	0	UNL	12		27	26	85	23	01	3	0	UNL	8		37	33	65	26	20	4		
04	10	0	UNL	15		42	33	77	16	04	12	0	UNL	12		42	34	43	21	20	3	0	UNL	8		34	35	39	31	19	13		
05	13	0	UNL	15		46	36	25	14	05	9	0	UNL	12		51	39	28	19	19	8	0	UNL	8		68	53	33	38	20	14		
06	16	0	UNL	15		53	38	27	18	04	8	0	UNL	12		53	42	28	22	14	4	0	UNL	12		72	55	31	40	21	10		
07	19	0	UNL	15		43	34	38	19	10	7																						