LOCAL CLIMATOLOGICAL DATA

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

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION -- ENVIRONMENTAL DATA SERVICE

RICHMOND, VIRGINIA
BYRD FIELD
MAY 1966

Latitude 37° 30′ N Longitude 77° 20′ W Elevation (ground) 162 ft. Standard time used: EASTERN

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days (Base 65°)	Weather types shown by code 1-9 on dates of occurrence (1 Fog, 2 Heavy Fog, 3 X, 4 Thunderstorm, 5 Sleet, 6 Hail, 7 Glaze, 8 Duststorm, 9 Smoke, Haze, Blowing Snow)	Snow, Sleet, or Ice on ground at 07AM (In.)	Precipitation Total (Water equivalent) (In.)	Snow, sleet (In.)	Avg. station pressure (In.) - - - Elev. 164 feet m.s.l.	Wind Resultant direction	Resultant speed (m.p.h.)	Average speed (m.p.h.)	Fastest mile Speed (m.p.h.)	Direction	Sunshine Total (Hours and tenths)	Percent of possible	Sky cover (Tenths) Sunrise to sunset	Midnight to midnight	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	77	56	67	4	60	0	1	0	.16	0	29.92	07	1.0	9.6	14	N	3.5	26	10	10	1
2	56	44	50	-13	47	15	1	0	.65	0	30.09	04	8.2	8.3	16	NE	0.0	0	10	10	2
3	69	41	55	-8	44	10	2 8	0	0	0	30.10	25	6.0	6.8	13	SW	11.3	81	3	4	3
4	64	41	53	-11	31	12		0	0	0	30.22	01	7.9	9.8	17	NW	13.9	100	0	0	4
5	72	36	54	-10	39	11	8	0	0	0	30.18	21	10.4	10.8	20	SW	13.9	100	0	0	5
6	86	53	70	5	50	0		0	0	0	29.77	23	12.8	13.2	25	SW	12.2	88	6	6	6
7	73	54	64	-1	40	1		0	0	0	29.83	10	3.3	10.1	17	SE	12.6	90	4	4	7
8	83	51	67	2	55	0		0	0	0	29.62	20	11.0	11.2	17	SW	11.4	82	8	6	8
9	65	43	54	-11	50	11	1 8	0	T	0	29.60	01	8.5	11.1	24	N	0.1	1	10	9	9
10	57	35	46	-20	21	19		0	0	0	30.04	01	11.7	13.4	25	N	14.0	100	0	1	10
11	65	32*	49	-17	31	16	8	0	0	0	30.22	17	5.3	6.2	15	S	14.1	100	3	3	11
12	72	48	60	-6	48	5	8	0	T	0	30.04	19	11.6	11.8	19	SW	6.8	48	10	10	12
13	82	58	70	4	57	0		0	.01	0	29.79	23	6.7	10.2	13	SW	10.9	77	6	7	13
14	63	46	55	-12	49	10	1 8	0	.10	0	29.80	04	9.7	9.9	19	NE	0.0	0	10	9	14
15	75	44	60	-7	46	5	1 8	0	0	0	29.84	03	5.9	7.5	13	N	12.2	86	2	2	15
16	78	44	61	-6	52	4	1 8	0	0	0	29.83	18	8.4	8.5	18	SW	13.9	98	6	4	16
17	81	58	70	2	59	0	1 8	0	0	0	29.79	15	3.6	6.8	14	SE	11.8	83	3	4	17
18	78	60	69	1	59	0	8	0	0	0	29.79	18	9.6	9.9	16	S	9.5	67	8	8	18
19	85	67	76	8	67	0	1 8	0	.30	0	29.73	20	7.6	9.1	16	S	7.1	49	8	9	19
20	82	64	73	5	60	0	1 8	0	0	0	29.80	11	2.2	6.2	10	SE	10.7	74	4	4	20
21	89*	60	75	6	65	0	1 8	0	.01	0	29.74	20	5.0	7.9	17	SW	10.4	72	5	5	21
22	78	56	67	-2	58	0	8	0	0	0	29.75	01	5.2	8.5	13	NE	12.2	85	9	7	22
23	77	52	65	-4	52	0	2 8	0	0	0	29.95	15	5.2	7.0	16	SE	11.1	77	6	7	23
24	76	50	63	-6	56	2	1 8	0	T	0	29.92	11	7.3	7.9	17	SE	6.4	44	9	9	24
25	74	65	70	1	66	0	1 8	0	.02	0	29.81	08	4.5	5.6	9	E	1.1	8	10	10	25
26	78	64	71	1	63	0		0	0	0	29.73	06	1.9	5.5	9	SE	8.9	62	7	8	26
27	75	63	69	-1	66	0	1 8	0	.20	0	29.66	17	3.9	5.5	11	SE	2.3	16	10	10	27
28	73	61	67	-3	66	0	1 8	0	.99	0	29.54	20	.5	4.7	9	SW	5.0	35	8	8	28
29	84	60	72	1	64	0	1 3 8	0	.06	0	29.61	08	1.6	6.8	13	NE	10.1	69	4	5	29
30	69	52	61	-10	50	4	8	0	0	0	29.78	04	7.8	8.5	15	NE	10.2	70	8	7	30
31	63	50	57	-14	50	8	3	0	.08	0	29.84	03	4.7	6.2	12	N	4.3	30	8	8	31
Sum	2299	1608	—	—	—	Total 133	Dep. 80	Temperature: Number of days	Total 2.58	Total 0	For the month: 29.85	15	1.2	8.5	25	N	Total 271.9	% for month	Sum 195	Sum 194	
Avg.	74.2	51.9	63.1	Dep. -3.9	Avg. 52	Season to date Total 4374	Dep. 509	Max. < 32° 0	Max. > 90°‡ 0	Min. < 32° 1	Min. < 0° 0	Dep. -1.14	Date: 10+	Possible 439.9					Avg. 6.3	Avg. 6.3	

* 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 ¼ mile or less.

‡ ≥ 70° at Alaskan stations. + Also on an earlier date, or dates.

Greatest in 24 hours and dates: Precipitation		Snow, Sleet		Greatest depth on ground of snow, sleet or ice and date
1.05	27-28	0		0

HOURLY PRECIPITATION (Liquid in Inches)

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1						T	T	T						T	T	T		T	T	.08	.07	T	.01	T	1
2	.02	.03	.03	.02	.02	.06	.05	.06	.07	.07	.02	.09	.03	.02	.02	.02	.02	T	T						2
3																									3
4																									4
5																									5
6																									6
7																									7
8																									8
9																	T	T							9
10																									10
11																									11
12																					T	T	T	T	12
13																						T		.01	13
14	T	.09	.01	T	T	T	T		T	T	T	T		T											14
15																									15
16																									16
17																									17
18																									18
19				.04	.25	T	T	.01	T																19
20																									20
21													.01												21
22																									22
23																									23
24																	T	T	T	T	T				24
25						.01	T	T	T	T	T	.01		T	T	T	T								25
26																									26
27						T	.02	.06	.05	.01	T			T	T	T	.01	.01	T	.01	.01	T	.01	.01	T	27
28	.01	.01	T	.01	T	.01	.02	.05	.02	.40	.45	.01			T										28
29																.06									29
30																									30
31									T	T	T	T		T	T								.08		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.

AVERAGES BY HOURS

Hour (Local time)	Sky cover (In tenths)	Station press. (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Wind speed (m.p.h.)	Resultant wind Direction	Resultant wind Speed (m.p.h.)
01	7	29.84	57	54	83	52	7.6	15	1.8
04	6	29.84	55	53	86	51	6.5	24	.5
07	6	29.88	57	54	84	52	7.9	36	1.7
10	6	29.89	65	58	66	53	9.2	31	.9
13	7	29.85	70	60	57	53	9.9	25	.2
16	6	29.81	71	61	55	52	10.8	16	3.0
19	6	29.82	66	59	65	53	8.7	14	4.3
22	6	29.85	60	56	78	53	7.7	16	3.2

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William H. Haggard

Acting Director, National Weather Records Center

OBSERVATIONS AT 3-HOUR INTERVALS

Day	Hour	Sky Cover (Tenths)	Ceiling (Hnds. of ft.)	Visibility: Whole Miles	Visibility: 16th Mi.	Weather	Dry Bulb (°F)	Wet Bulb (°F)	Rel. Hum. (%)	Dew Pt. (°F)	Wind: Dir.	Wind: Speed (Knots)
DAY 01	01	10	30	8			64	61	84	59	21	10
	04	10	100	8			64	62	87	60	21	7
	07	10	15	6		RW	63	61	90	60	21	7
	10	9	90	7			71	67	79	64	22	5
	13	8	25	7			77	69	64	64	36	9
	16	10	35	7			71	65	71	61	06	10
	19	10	22	7		R	66	61	76	58	06	10
	22	10	7	2	8	RF	59	58	93	57	03	9
DAY 02	01	10	8	2	8	RF	55	54	96	54	04	7
	04	10	12	2	8	RF	50	49	93	48	05	8
	07	10	10	1	8	RF	50	49	93	48	02	10
	10	10	7	1	8	RF	48	47	93	46	05	9
	13	10	7	4		RF	47	46	93	45	05	13
	16	10	8	4		RF	47	46	89	44	05	7
	19	10	8	4		F	47	46	89	44	04	4
	22	8	40	5		F	46	45	93	44	00	
DAY 03	01	10	1	0	2	F	41	41	100	41	31	2
	04	10	1	0	2	F	41	41	100	41	29	3
	07	10	0	0		F	41	41	100	41	23	3
	10	0	UNL	5		H	51	48	83	46	25	6
	13	0	UNL	15			64	55	54	47	23	10
	16	0	UNL	10			69	55	39	43	25	10
	19	0	UNL	10			62	54	60	48	21	8
	22	0	UNL	7			57	50	62	44	28	5
DAY 04	01	0	UNL	8			54	48	67	43	02	10
	04	0	UNL	8			48	42	59	34	02	9
	07	0	UNL	10			48	40	46	28	02	11
	10	0	UNL	15			54	43	35	27	35	12
	13	0	UNL	15			61	45	24	24	31	9
	16	0	UNL	15			64	47	22	24	36	8
	19	0	UNL	12			56	45	40	32	04	5
	22	0	UNL	12			44	40	68	34	14	4
DAY 05	01	0	UNL	10			38	36	86	34	16	2
	04	0	UNL	7			36	35	92	34	16	3
	07	0	UNL	6		K	45	42	80	39	22	5
	10	0	UNL	12			61	51	46	40	22	12
	13	0	UNL	10			68	54	39	42	22	13
	16	0	UNL	10			72	56	34	42	20	17
	19	0	UNL	10			66	54	42	42	20	13
	22	0	UNL	10			62	51	45	40	21	10
DAY 06	01	2	UNL	10			62	51	46	41	22	10
	04	1	UNL	10			56	49	62	43	21	10
	07	1	UNL	8			62	55	63	49	22	9
	10	6	UNL	8			76	62	45	53	24	15
	13	8	UNL	8			83	66	38	55	23	15
	16	10	UNL	8			84	65	34	53	23	17
	19	8	UNL	8			79	64	42	54	22	10
	22	10	CIR	8			74	63	52	55	27	6
DAY 07	01	10	CIR	8			65	51	37	38	04	12
	04	8	CIR	12			57	47	47	37	02	8
	07	8	UNL	12			55	46	51	37	03	11
	10	8	UNL	15			64	49	30	32	01	3
	13	3	UNL	15			70	54	34	40	19	7
	16	1	UNL	15			73	57	34	43	17	8
	19	0	UNL	12			63	54	56	47	16	13
	22	0	UNL	12			58	53	70	48	17	8
DAY 08	01	0	UNL	12			55	49	64	43	19	11
	04	0	UNL	10			54	50	77	47	21	6
	07	4	UNL	8			59	56	81	53	21	8
	10	5	UNL	10			76	67	60	61	22	11
	13	9	UNL	10			82	68	47	60	21	15
	16	10	CIR	10			81	68	49	60	20	13
	19	10	CIR	10			75	64	54	57	19	9
	22	6	CIR	10			65	61	78	58	18	5
DAY 09	01	2	UNL	12			63	61	87	59	17	4
	04	7	UNL	12			61	60	97	60	22	4
	07	10	6	2	8	F	57	56	96	56	36	9
	10	10	11	1	8	KH	58	55	84	53	02	8
	13	10	14	1	8	KH	57	54	80	51	03	7
	16	10	14	2		KH	57	53	75	49	04	12
	19	10	18	5		KH	49	45	71	40	01	16
	22	10	40	7			44	39	65	33	36	17
DAY 10	01	8	60	10			41	35	55	26	02	15
	04	0	UNL	12			36	30	52	20	01	13
	07	0	UNL	12			37	31	48	19	01	15
	10	0	UNL	15			46	35	31	17	02	13
	13	0	UNL	15			52	38	24	16	01	13
	16	0	UNL	15			56	41	22	17	32	17
	19	0	UNL	15			52	40	32	23	04	4
	22	0	UNL	15			38	35	76	31	14	3
DAY 11	01	0	UNL	12			35	34	85	31	19	3
	04	0	UNL	10			32	31	89	29	20	3
	07	0	UNL	5		H	41	38	73	33	15	3
	10	1	UNL	7			55	42	29	23	18	3
	13	6	UNL	10			61	46	27	27	26	4
	16	9	CIR	10			65	49	26	29	18	10
	19	3	UNL	10			58	48	44	36	14	7
	22	8	CIR	12			51	44	57	36	16	10
DAY 12	01	10	CIR	10			49	43	61	36	17	8
	04	10	50	8			48	45	80	42	18	6
	07	10	CIR	8			50	47	83	45	19	8
	10	10	80	6		H	63	56	63	50	19	13
	13	10	CIR	7			70	59	49	50	19	13
	16	10	50	7			69	59	55	52	21	14
	19	10	50	8			66	59	63	53	19	9
	22	10	35	7			64	58	70	54	20	11
DAY 13	01	10	100	7			63	58	73	54	22	9
	04	9	100	7			62	57	75	54	21	10
	07	0	UNL	7			63	59	78	56	21	8
	10	1	UNL	8			75	65	58	59	28	10
	13	10	40	8			80	65	44	56	25	11
	16	10	40	8			80	65	44	56	20	9
	19	10	CIR	8			73	64	62	59	21	5
	22	10	30	8			66	62	78	59	06	9
DAY 14	01	10	30	7		RW	61	60	93	59	04	8
	04	10	30	7		RW	56	55	93	54	05	9
	07	10	12	5		F	50	48	90	47	03	8
	10	10	9	4		F	50	48	90	47	03	9
	13	10	12	5		F	51	49	86	47	04	10
	16	10	12	2		F	51	49	86	47	05	12
	19	8	60	2		H	52	49	80	46	03	8
	22	7	CIR	5		GFH	48	47	93	46	36	5
DAY 15	01	3	UNL	5		GF	46	45	96	45	36	6
	04	0	UNL	5		GF	44	43	96	43	35	5
	07	5	UNL	4		GF	48	46	89	45	36	6
	10	1	UNL	6		H	64	54	52	46	02	10
	13	0	UNL	10			71	57	39	45	02	10
	16	2	UNL	10			75	60	40	49	06	8
	19	3	UNL	10			70	59	49	50	07	3
	22	3	UNL	10			55	51	77	48	16	4
DAY 16	01	0	UNL	8			49	48	93	47	15	4
	04	0	UNL	7			45	44	93	43	00	
	07	0	UNL	4		GFK	51	50	93	49	17	5
	10	10	150	7			65	56	54	48	18	7
	13	10	UNL	7			75	64	52	56	17	13
	16	6	UNL	7			77	65	52	58	18	12
	19	2	UNL	6		H	72	64	64	59	18	8
	22	2	UNL	5		H	66	60	70	56	18	10
DAY 17	01	3	UNL	7			60	58	87	56	18	4
	04	9	70	5		GFH	58	57	97	57	19	5
	07	4	UNL	5		H	64	61	84	59	02	5
	10	5	UNL	5		H	72	65	66	60	05	7
	13	3	UNL	5		H	78	67	54	60	22	5
	16	3	UNL	5		H	80	68	52	61	17	5
	19	4	UNL	5		H	75	67	64	62	14	11
	22	8	UNL	5		H	65	61	81	59	14	5
DAY 18	01	6	UNL	6		H	62	60	90	59	18	9
	04	3	UNL	6		H	61	59	87	57	22	7
	07	3	UNL	5		H	63	61	87	59	18	6
	10	8	UNL	7			74	66	64	61	19	10
	13	8	60	8			77	66	54	59	18	9
	16	10	80	8			76	64	52	57	18	8
	19	10	100	8			71	62	59	56	17	7
	22	10	100	8			70	64	71	60	17	13
DAY 19	01	10	17	7			70	67	84	65	18	13
	04	10	9	5		RW	68	67	93	66	19	11
	07	10	30	5		RWGF	67	67	100	67	21	6
	10	10	16	6		H	73	70	87	69	23	5
	13	7	50	8			80	71	65	67	27	5
	16	7	40	8			83	70	51	63	25	5
	19	9	CIR	8			75	71	82	69	14	7
	22	10	CIR	8			72	68	82	66	19	11
DAY 20	01	10	10	8			68	67	93	66	16	5
	04	10	18	7			66	66	100	66	35	3
	07	10	80	6		H	67	65	90	64	01	6
	10	7	CIR	8			73	63	55	56	05	4
	13	1	UNL	10			81	63	34	50	03	5
	16	0	UNL	8			82	64	35	52	20	5
	19	0	UNL	8			75	67	64	62	12	8
	22	0	UNL	8			68	64	78	61	17	7
DAY 21	01	0	UNL	7			63	62	93	61	18	3
	04	0	UNL	5		GF	61	60	97	60	33	3
	07	7	UNL	3		GFH	66	65	97	65	19	4
	10	0	UNL	3		H	80	72	67	68	23	8
	13	5	UNL	7			80	73	69	69	03	6
	16	6	CIR	8			85	73	57	68	16	9
	19	9	CIR	8			77	71	74	68	20	12
	22	9	CIR	10			71	65	73	62	20	10
DAY 22	01	10	120	12			69	63	71	59	24	9
	04	10	32	12			67	62	73	58	31	6
	07	9	CIR	8			63	59	81	57	36	10
	10	9	CIR	8			68	62	71	58	02	8
	13	9	40	7			75	65	58	59	01	9
	16	9	UNL	8			76	63	47	54	03	8
	19	2	UNL	8			70	63	66	58	07	6
	22	0	UNL	8			59	58	93	57	07	3
DAY 23	01	5	UNL	2		GFK	56	56	100	56	15	4
	04	10	0	0		F	56	56	100	56	25	3
	07	10	0	0		F	55	55	100	55	00	
	10	3	UNL	6		H	67	62	73	58	23	6
	13	5	UNL	7			74	62	48	53	11	8
	16	6	UNL	10			74	59	40	48	16	13
	19	9	UNL	10			66	53	39	40	13	10
	22	7	UNL	12			55	50	72	46	10	5
DAY 24	01	7	CIR	8			52	51	93	50	14	5
	04	6	UNL	5		K	51	50	93	49	13	3
	07	10	60	7			57	54	83	52	04	4
	10	8	UNL	8			71	63	64	58	12	7
	13	8	140	12			75	64	52	56	12	14
	16	10	38	8			71	63	64	58	12	9
	19	10	25	5		H	65	63	87	61	11	6
	22	10	10	4		F	65	64	93	63	09	7
DAY 25	01	10	6	4		F	65	64	93	63	07	4
	04	10	2	0	8	F	65	64	97	64	09	3
	07	10	2	0	8	RF	65	65	100	65	36	7
	10	10	11	2		RF	68	67	97	67	11	2
	13	10	16	5		RF	71	69	90	68	12	5
	16	10	40	7		RW	73	70	84	68	08	6
	19	10	40	7			70	68	90	67	09	5
	22	10	50	6		GF	67	66	93	65	09	7
DAY 26	01	10	18	7			64	63	97	63	02	6
	04	10	30	7			64	63	97	63	35	4
	07	9	35	10			66	64	90	63	36	4
	10	7	CIR	12			74	66	66	62	01	6
	13	9	70	12			75	67	66	63	00	
	16	4	UNL	12			78	69	62	64	09	5
	19	7	CIR	10			74	67	69	63	16	7
	22	9	CIR	10			68	65	87	64	17	6
DAY 27	01	10	CIR	7			65	64	93	63	16	6
	04	8	UNL	5		GFK	64	63	97	63	17	4
	07	10	3	2		F	65	65	100	65	16	5
	10	10	3	1	8	RF	68	68	100	68	20	6
	13	10	80	4		RWH	72	70	90	69	29	4
	16	10	20	5		RW	72	71	93	70	19	6
	19	10	35	6		RW	67	66	97	66	11	5
	22	10	40	6		RW	67	66	97	66	10	2
DAY 28	01	10	2	2		RWF	67	67	100	67	11	3
	04	10	2	1	8	RF	66	66	100	66	00	
	07	10	7	1		RF	67	67	100	67	11	3
	10	10	5	1		RF	67	66	97	66	01	7
	13	10	25	12			70	67	87	66	30	4
	16	9	50	10			72	68	82	66	28	5
	19	1	UNL	2		K	69	68	93	67	17	6
	22	3	UNL	8			64	63	93	62	19	5
DAY 29	01	10	15	8			62	61	97	61	05	4
	04	2	UNL	7			60	59	97	59	18	5
	07	0	UNL	5		GF	65	64	93	63	23	7
	10	2	UNL	6		H	78	71	71	68	26	5
	13	4	UNL	7			83	72	57	66	01	7
	16	7	30	7			74	71	84	69	09	11
	19	8	CIR	7			69	66	84	64	10	3
	22	10	40	6		H	67	66	93	65	04	5
DAY 30	01	8	40	7			63	58	75	55	06	5
	04	7	60	7			61	53	56	45	03	7
	07	10	80	10			60	53	60	46	01	10
	10	10	80	10			62	55	63	49	04	12
	13	10	60	10			66	57	57	50	04	9
	16	7	CIR	10			67	57	55	50	03	7
	19	2	UNL	10			63	56	63	50	09	6
	22	3	UNL	12			55	53	86	51	09	3
DAY 31	01	10	80	10			52	51	96	51	04	3
	04	10	80	10			54	53	96	53	34	6
	07	10	80	8			54	51	80	48	01	10
	10	10	40	8		R	54	51	80	48	04	8
	13	10	50	8		R	54	52	86	50	04	6
	16	5	UNL	8			61	55	67	50	10	4
	19	1	UNL	10			59	54	72	50	03	3
	22	7	100	8		T	50	49	93	48	15	3

RICHMOND, VIRGINIA   66 05

REFERENCE NOTES

CEILING COLUMN—
UNL indicates an unlimited ceiling.
CIR indicates a cirriform cloud ceiling of unknown height.

WEATHER COLUMN—
- • Tornado
- T Thunderstorm
- Q Squall
- R Rain
- RW Rain showers
- ZR Freezing rain
- L Drizzle
- ZL Freezing drizzle
- S Snow
- SP Snow pellets
- IC Ice crystals
- SW Snow showers
- SG Snow grains
- E Sleet
- A Hail
- AP Small 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

WIND COLUMNS—
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. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm or microfiche copies of the original records. Inquiries as to availability and costs should be addressed to:

Director
National Weather Records Center
Federal Building
Asheville, N. C. 28801