

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



NATIONAL WEATHER SERVICE OFC

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN HBAN #13740

MAR 1983
 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE	
1	49	44	47	5	45	18	0	1	0	.85	0	29.49	34	17.5	18.4	0	0	10	10	1		
2	67	46	57	14	32	8	0	0	0	T	0	29.51	31	13.8	14.0	22	NW	649	95	1	3	2
3	69	36	53	10	35	12	0	0	0	0	0	29.79	27	3.6	5.8	14	NW	687	100	1	0	3
4	81*	43	62	19	42	3	0	0	0	0	0	29.83	20	9.1	9.6	20	SW	685	99	5	3	4
5	76	49	63	20	51	2	0	1	8	0	0	29.95	12	4.3	8.3	16	NE	643	93	4	4	5
6	65	50	58	14	55	7	0	1	0	.20	0	29.94	09	7.3	8.6	14	SE	168	24	10	10	6
7	68	61	65*	21	64	0	0	1	0	.04	0	29.69	14	3.5	7.3	10	SE	71	10	10	10	7
8	61	45	53	9	49	-12	0	1	0	.22	0	29.57	02	9.1	10.4	14	NE	0	0	10	10	8
9	48	43	46	1	45	19	0	1	0	.10	0	29.54	02	6.6	7.1	10	N	0	0	10	10	9
10	52	45	49	4	46	16	0	1	8	.11	0	29.46	03	4.4	5.0	10	N	126	18	10	10	10
11	49	43	46	1	39	19	0	1	0	T	0	29.39	33	13.3	14.2	24	NW	216	31	10	10	11
12	54	38	46	0	30	19	0	0	0	0	0	29.37	32	19.1	19.1	30	NW	532	75	6	5	12
13	65	28	47	1	27	18	0	0	0	0	0	29.53	29	7.1	7.9	16	NW	710	100	0	0	13
14	68	33	51	5	34	14	0	0	0	T	0	29.59	17	4.4	5.3	9	S	564	79	8	5	14
15	80	44	62	15	42	3	0	0	0	0	0	29.58	23	3.5	6.5	11	NE	715	100	2	3	15
16	57	44	51	4	34	14	0	0	0	0	0	29.82	03	11.0	11.7	16	NE	590	82	10	10	16
17	55	44	50	3	43	15	0	1	0	.04	0	29.77	04	15.2	15.5	25	NE	328	46	10	10	17
18	62	46	54	6	56	11	0	1	0	1.00	0	29.29	06	13.7	14.8	24	NE	0	0	10	10	18
19	69	51	60	12	51	5	0	1	0	.01	0	29.26	22	11.9	13.8	20	W	586	81	9	7	19
20	70	44	57	8	42	8	0	0	0	0	0	29.50	21	4.9	9.4	11	SE	660	91	8	6	20
21	70	45	58	9	49	7	0	3	0	2.40	0	29.19	22	9.7	15.0	26	SW	619	85	6	6	21
22	50	36	43	-6	23	22	0	0	0	0	0	29.59	26	16.7	17.0	26	SW	693	95	3	4	22
23	52	30	41	-9	20	24	0	0	0	0	0	29.86	28	8.6	10.1	16	W	735	100	7	4	23
24	38	29	34*	-16	21	31	0	0	0	0	0	29.82	02	9.3	9.5	20	N	407	55	10	8	24
25	50	32	41	-9	17	24	0	0	0	0	0	29.84	35	14.7	15.0	26	N	684	93	7	6	25
26	56	26*	41	-10	18	24	0	0	0	0	0	30.19	08	3.7	7.2	12	SE	684	92	4	4	26
27	57	39	48	-3	44	17	0	1	0	.92	0	29.82	13	7.2	10.5	21	SE	2	0	10	10	27
28	61	46	54	3	45	11	0	1	3	.01	0	29.57	27	7.1	8.6	12	NW	575	77	7	6	28
29	58	40	49	-3	34	16	0	0	0	0	0	29.91	32	7.2	10.2	16	N	705	94	5	4	29
30	53	33	43	-9	27	22	0	0	0	0	0	30.05	03	4.4	6.8	0		692	92	9	7	30
31	44	37	41	-12	38	24	0	1	8	.14	0	29.79	03	5.0	8.1	0		108	14	10	9	31
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM			
1854	1270					445	0			6.04	0	29.66	34	3.1	10.7	30	NW	13834	FOR	222	204	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.						DATE: 12	POSSIBLE		MONTH	AVG.	AVG.	
59.8	41.0	50.4	3.2	39	-124			> .01 INCH	13	2.47								22252	62	7.2	6.6	
NUMBER OF DAYS						SEASON TO DATE	TOTAL	SNOW, ICE PELLETS > 1.0 INCH	0	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE						
MAXIMUM TEMP.		MINIMUM TEMP.		3212		TOTAL	TOTAL	THUNDERSTORMS	2	PRECIPITATION		SNOW, ICE PELLETS										
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	HEAVY FOG	0	2.40	21	0										
0	0	5	0	-437		0	0	CLEAR	5	PARTLY CLOUDY	9	CLOUDY	17									

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

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NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

L. Roy Hout

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1983 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISIBILITY				WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	VISIBILITY				WEATHER	TEMPERATURE				WIND									
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
DAY 19																																
01	10	10	10	10		56	55	54	93	18	15	0	UNL	15		49	45	40	71	25	9	10	50	8		58	54	50	75	13	10	
04	10	9	7			54	53	53	96	19	12	0	UNL	15		48	44	39	71	24	9	10	30	2	8	TRW	55	55	55	100	12	8
07	3	UNL	10			52	51	51	96	18	8	3	UNL	15		44	42	39	83	25	6	10	25	7	8	TRW	58	58	58	100	15	11
10	10	50	10			62	58	56	81	22	12	7	UNL	12		57	50	43	60	25	9	4	UNL	15		68	63	60	76	22	18	
13	10	50	10			67	60	55	66	23	10	7	UNL	12		66	54	43	43	23	8	6	30	15		70	60	53	55	25	16	
16	10	50	10			64	56	49	58	25	16	10	250	12		70	56	43	38	11	6	7	250	15		70	58	49	47	24	18	
19	5	UNL	15			60	53	46	60	25	13	10	250	12		65	54	43	45	12	8	4	UNL	15		60	49	38	44	24	11	
22	0	UNL	15			53	48	43	69	26	10	10	80	10		57	52	48	72	13	10	4	UNL	15		49	42	32	52	28	12	
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RICHMOND VA

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SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	29.67	46	43	38	75	9.6	35	1.6
04	6	29.65	44	41	38	80	9.3	34	2.6
07	6	29.68	43	41	37	82	8.8	35	3.0
10	7	29.70	51	46	40	68	11.7	31	3.8
13	7	29.66	57	49	40	59	11.8	32	3.8
16	8	29.62	58	49	39	56	13.2	33	5.1
19	7	29.64	53	46	38	62	10.4	35	2.6
22	6	29.67	48	44	38	71	10.4	35	2.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1983 13740
RICHMOND, VIRGINIA

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	.06	.04	.03	.02	T	.02	.03	.05	.02	.07	.04	.03	.10	.11	.03	.06	.04	.05	.02	T	.01	.02	T	T	1
2	T	T	T																						2
3																									3
4																									4
5																									5
6												T	T	.07	.03	T	.02	T		T	.07	.01			6
7	T	T											T	T	.02	T									7
8			.05	.14	.02	T	T	T	T	T	T	T	T	T	T	.01	T	T	T	T	T	T	T	T	8
9													T	T	T	T	.10	T	T	T	T	T	T	T	9
10	T	T	T	T		T	T	T					T	T	T	T	T	T	.10	.01	T	T	T	T	10
11	T	T										T													11
12																									12
13																									13
14																									14
15																									15
16																									16
17																									17
18	.08	.18	.10	.10	T	.14	.02	.01	.02	.07	T			.04	.04	.12	.05	.01	T	T	T	T	T	.04	18
19		T	T	T										.01											19
20																									20
21		T	.04	.23	.72	1.12	.08	.21	T																21
22																									22
23																									23
24																									24
25																									25
26																									26
27					T	T	T		.02	.02	.06	.05	.04	.08	.06	.08	.06	.35	.08	.02					27
28			.01	T											T	T									28
29																									29
30				T	T	.01	.01	.03	.04	.01	T	T	T	T	.02	.02	T	T	T						30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.23	00.35	00.42	00.55	00.70	00.90	01.27	01.43	01.61	01.73	02.00	02.14
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME	0500	0503	0507	0505	0525	0533	0548	0550	0550	0608	0610	0615

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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