

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

MAY 1982 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	80	45*	63	0	42	2	0		0	0	0	29.93	25	5.1	7.5	16	SW	790	96	2	3	1
2	78	54	66	3	47	0	1		0	0	0	29.91	31	5.9	5.9	12	SW	609	74	8	6	2
3	80	51	66	3	44	0	1	1	8	0	0	29.91	35	3.3	6.3	12	SE	733	82	6	5	3
4	76	49	63*	0	43	2	0	1	8	0	0	29.96	35	5.6	8.2	17	N	831	100	1	0	4
5	80	48	64	0	43	1	0		8	0	0	30.00	03	.5	5.5	14	E	832	100	2	2	5
6	82	48	65	1	49	0	0		8	0	0	29.95	16	5.9	6.2	13	S	834	100	1	1	6
7	89	56	73	9	55	0	8		8	0	0	29.76	13	5.7	6.9	16	SE	733	88	8	7	7
8	82	60	71	7	58	0	6	1 3	8	0	.12	29.73	24	3.1	7.9	26	N	417	50	10	10	8
9	77	52	65	0	44	0	0		8	0	0	29.81	34	11.5	11.8	24	NW	840	100	0	0	9
10	80	51	66	1	35	0	1		8	0	0	29.85	33	9.8	10.2	22	NW	842	100	1	1	10
11	79	48	64	-1	36	1	0		8	0	0	29.89	34	5.8	7.3	13	NE	844	100	1	1	11
12	89	50	70	5	51	0	5		8	0	0	29.87	22	1.4	4.8	9	NW	832	98	5	3	12
13	88	60	74	8	60	0	9		8	0	0	29.84	34	3.7	6.2	15	N	733	86	9	8	13
14	86	59	73	7	56	0	8	1	8	0	0	29.86	36	3.3	7.2	14	NW	790	93	6	4	14
15	83	56	70	4	52	0	5	1	8	0	0	29.91	17	.9	4.9	11	E	787	92	8	7	15
16	83	57	70	4	59	0	5		8	0	0	29.92	16	5.6	6.8	10	SW	742	87	6	5	16
17	89	61	75	8	59	0	10		8	0	0	29.87	08	3.1	4.8	11	SE	837	98	1	2	17
18	83	59	71	4	62	0	6	2	8	0	0	29.90	11	4.9	5.6	12	SE	725	85	2	2	18
19	85	65	75	8	66	0	10	1 3	8	0	.23	29.86	19	6.8	7.5	22	SW	572	67	9	8	19
20	87	66	77	9	66	0	12	1	8	0	T	29.79	21	10.3	10.5	17	W	601	70	10	10	20
21	81	63	72	4	65	0	7	1	8	0	.30	29.81	26	2.9	5.0	8	W	531	62	10	9	21
22	80	67	74	6	69	0	9	23	8	0	.01	29.88	08	4.8	5.3	14	E	451	52	10	9	22
23	71	66	69	1	67	0	4	2	8	0	.15	29.93	04	7.2	7.5	10	NE	285	33	10	10	23
24	77	65	71	2	67	0	6	23	8	0	.17	29.87	08	4.4	5.8	16	N	355	41	10	10	24
25	76	68	72	3	68	0	7	1	8	0	.05	29.75	04	4.6	5.5	11	NE	600	69	10	10	25
26	74	64	69	0	65	0	4	1	8	0	0	29.78	10	5.4	6.0	9	SE	606	70	10	9	26
27	79	63	71	2	66	0	6	1	8	0	.04	29.79	13	6.1	6.6	11	SE	438	50	10	10	27
28	81	68	75	5	71	0	10	23	8	0	.26	29.74	15	7.1	7.6	14	SW	440	51	10	10	28
29	89	67	78	8	70	0	13	1 3	8	0	.39	29.67	26	5.7	8.2	34	NW	646	71	8	9	29
30	88	68	78	8	71	0	13	1 3	8	0	.42	29.61	20	9.2	9.9	16	SW	494	57	10	9	30
31	90*	70	80*	9	70	0	15	1 3	8	0	1.34	29.61	20	4.3	7.2	38	NW	800	92	4	5	31
SUM	SUM					TOTAL	TOTAL				TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2542	1824					6	181				3.48	0	29.84	16	.3	7.0	38	NW	20570	FOR	198	185
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.						DEP.							DATE: 31	POSSIBLE	MONTH	AVG.	AVG.
82.0	58.8	70.4	3.9	57	-58		70				0.06								26391	78	6.4	6.0
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF								
						TOTAL	TOTAL	> 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.		MINIMUM TEMP.		4056		194		THUNDERSTORMS		8		PRECIPITATION		SNOW, ICE PELLETS		0						
5 90°		2 32°		2 0°		117		65		CLEAR		9		PARTLY CLOUDY		5 CLOUDY 17						

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

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA, 28801.

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noaa NATIONAL OCEANIC AND ENVIRONMENTAL DATA AND NATIONAL CLIMATIC CENTER
 ATMOSPHERIC ADMINISTRATION / INFORMATION SERVICE / ASHEVILLE, NORTH CAROLINA

DIRECTOR
 NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1982 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	SKY COVER (TENTHS)				TEMPERATURE				WIND				VISIBILITY				WEATHER															
	CEILING IN HUNDREDS OF FEET				AIR OF				DIRECTION				WHOLE MILES				REL HUMIDITY %															
	0	1	2	3	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	0	1	2	3	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	0	1	2	3	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION								
DAY 01																																
01	0	UNL	7		51	47	42	71	17	4		1	UNL	12		59	52	45	60	30	4		0	UNL	7		53	51	49	86	00	0
04	0	UNL	7		48	45	42	80	20	3		0	UNL	10		54	49	45	72	36	4		6	100	6		54	53	52	93	32	6
07	0	UNL	7		52	47	41	66	22	5		10	100	8		59	54	49	70	32	8		2	UNL	4	F	55	54	53	93	34	5
10	5	UNL	15		71	55	40	33	25	9		9	80	7		69	57	47	46	35	8		5	UNL	7		70	54	40	34	34	8
13	1	UNL	15		78	56	36	22	26	11		9	UNL	7		75	58	43	32	32	5		5	UNL	10		77	56	37	24	31	8
16	3	UNL	15		80	57	35	20	26	9		7	45	7		77	59	44	31	20	5		8	250	10		77	55	34	21	02	4
19	3	UNL	12		70	58	49	47	19	4		10	250	7		71	58	48	44	25	7		8	250	10		71	55	41	34	13	9
22	10	UNL	12		64	55	48	56	36	7		6	UNL	10		61	55	51	70	00	0		2	UNL	12		59	52	45	60	04	4
DAY 02																																
DAY 03																																
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DAY 17																																
DAY 18																																

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A 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

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: 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. AN ENTRY OF 00 INDICATES CALM
 SPEED: THE FASTEST OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1982 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND									
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
DAY 19																														
01	0	UNL	4	FH	66	64	63	90	12	4	7	UNL	6	F	66	65	64	93	21	8	6	UNL	7	FH	68	64	61	78	26	8
04	5	UNL	4	FH	66	65	64	93	17	4	10	80	5	F	66	65	64	93	19	8	8	250	6	FH	64	62	61	90	19	7
07	7	UNL	2	F	67	66	66	97	18	7	10	9	5	F	68	66	65	90	20	9	10	80	2	FH	65	64	63	93	21	5
10	10	UNL	4	H	79	72	68	69	20	6	8	30	5	H	77	72	69	76	22	12	10	9	3	FH	70	67	65	84	29	5
13	10	200	4	H	84	74	69	61	18	10	10	200	5	H	84	74	69	61	20	10	10	45	3	H	80	71	66	62	32	4
16	10	20	2	TRWH	75	69	65	71	23	7	10	200	5	H	86	74	68	55	20	13	8	80	3	H	80	71	66	62	35	6
19	10	250	5	F	69	67	66	90	20	5	10	100	5	H	79	69	64	60	22	6	10	35	5	RWH	73	70	68	84	00	0
22	10	250	7	F	68	66	65	90	19	9	10	100	7	RW	71	65	62	73	22	7	10	30	5	RWF	72	69	68	87	00	0
DAY 20																														
DAY 21																														
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DAY 28																														
DAY 29																														
DAY 30																														
DAY 31																														

RICHMOND VA

82 05

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.84	63	59	57	82	4.9	15	1.8
04	5	29.84	60	58	56	87	4.8	19	.5
07	6	29.87	62	60	58	85	5.3	26	1.5
10	6	29.87	73	65	58	64	8.8	32	2.1
13	7	29.84	79	66	57	51	9.0	30	1.5
16	7	29.80	81	66	56	48	9.8	01	.6
19	7	29.80	75	65	58	60	6.1	13	2.8
22	6	29.84	67	62	58	75	6.1	12	1.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1982 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																								1				
2																									2			
3																									3			
4																									4			
5																									5			
6																									6			
7																									7			
8	.01	.01		.03	T										T	.01	.04	.01	.01	T				8				
9																									9			
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17																									17			
18																									18			
19																.03	.12	.08	T						19			
20																						T	T		20			
21																		.18	.09	.01		.02	T		21			
22		T															T	T		T	.01	T		22				
23																			.05	T	T				23			
24																			.03	T				.10	24			
25	.03	T		T	T	T	T	T	T		.01	.01						.01	.03	.06	.04	.03	T	T	25			
26																									26			
27																								.02	.02	27		
28	.01																									28		
29																									.05	.31	.03	29
30	.03	T		.01	T	.17	T	.05	T								.15		.01							30		
31																			1.29	.04	.01					31		

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.54	01.05	01.09	01.17	01.30	01.33	01.33	01.33	01.34	01.34	01.34	01.34
ENDED: DATE	31	31	31	31	31	31	31	31	31	31	31	31
ENDED: TIME	1937	1942	1947	1952	2002	2017	2032	2052	2112	2132	2135	2135

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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