

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 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. FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)		DATE		
	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			
1	84	63	74	12	60	0	9		0	0	29.91	18	12.7	13.1	20	S	730	89	9	9	1		
2	83	65	74	11	61	0	9		0	0	29.77	17	15.2	15.4	23	S	464	56	10	10	2		
3	83	63	73	10	62	0	8	1	0	.27	29.53	19	14.2	16.8	29	SW	556	67	10	10	3		
4	72	50	61	-2	53	4	0	1	0	.23	29.48	26	7.6	11.7	17	NW	743	89	5	5	4		
5	75	44	60	-3	44	5	0		0	0	29.68	25	2.5	6.6	12	W	762	92	4	3	5		
6	72	49	61	-3	37	4	0		0	0	29.98	35	3.7	7.5	13	N	834	100	0	0	6		
7	80	48	64	0	50	1	0		0	0	29.96	16	8.4	8.9	16	SW	836	100	8	5	7		
8	81	54	68	4	57	0	3		0	T	29.68	20	11.9	13.2	24	N	528	63	9	8	8		
9	68	42*	55	-9	36	10	0		0	0	29.92	33	6.0	9.6	25	N	840	100	0	2	9		
10	71	43	57	-8	35	8	0		0	0	30.04	31	4.5	7.3	12	N	842	100	0	0	10		
11	76	43	60	-5	39	5	0		0	0	30.02	33	3.5	6.6	7	N	844	100	1	0	11		
12	78	47	63	-2	45	2	0		0	0	29.98	06	5.0	7.5	11	E	817	97	1	2	12		
13	80	47	64	-1	52	1	0	1	8	0	29.93	18	3.7	6.0			798	94	4	3	13		
14	81	58	70	5	62	0	5	1	8	0	29.78	19	5.4	6.0	12	S	693	82	7	6	14		
15	88*	68	78*	12	64	0	13		8	0	29.64	20	14.2	14.5	26	SW	611	72	9	8	15		
16	72	48	60	-6	59	5	0	1 3	0	.32	29.63	24	4.1	12.1	27	N	94	11	10	9	16		
17	67	43	55*	-11	41	10	0		0	0	30.03	36	4.9	8.5	16	NE	854	100	0	0	17		
18	72	46	59	-8	46	6	0		0	0	30.20	12	7.7	8.8			787	92	4	3	18		
19	72	49	61	-6	54	4	0	1	0	.02	30.15	13	9.3	9.6			511	60	9	9	19		
20	81	63	72	5	67	0	7	1	0	.45	29.96	16	9.7	10.2			578	67	9	10	20		
21	78	68	73	6	69	0	8	1	0	.03	29.88	20	6.1	6.5			276	32	10	10	21		
22	75	67	71	3	69	0	6	1 3	0	.83	29.74	14	4.4	8.1			99	11	10	10	22		
23	86	67	77	9	67	0	12	1	8	0	29.62	20	8.0	9.2			732	85	8	7	23		
24	76	58	67	-1	58	0	2		0	T	29.71	34	9.7	10.2			592	68	9	7	24		
25	78	52	65	-3	52	0	0		0	0	29.78	17	2.3	5.8			832	96	2	3	25		
26	81	59	70	1	59	0	5	3	8	.26	29.68	16	3.0	8.6			555	64	7	8	26		
27	71	53	62	-7	46	3	0		0	0	29.82	33	9.3	9.5			869	100	2	3	27		
28	77	51	64	-5	51	1	0		0	T	29.88	13	5.4	7.2			721	83	6	7	28		
29	76	62	69	0	63	0	4	1	8	.04	29.70	13	6.4	7.5			222	25	10	10	29		
30	80	65	73	3	67	0	8	1	8	.05	29.50	17	7.9	8.5			541	62	9	8	30		
31	83	65	74	4	63	0	9	1	8	0	29.49	32	3.5	6.8			432	49	9	8	31		
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
2397	1700					69	108			2.50	0	29.81	19	3.4	9.3	29	SW	19593	FOR	191	183		
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.		DATE: 03				POSSIBLE	MONTH	AVG.	AVG.				
77.3	54.8	66.1	0.0	54	5	5	9	> .01 INCH.		10	-1.05							26391	74	6.2	5.9		
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.		3563		131		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
5 90°		2 32°		2 32°		2 0°		HEAVY FOG		0		.83 22 0				0							
0		0		0		-376		19		CLEAR 8		PARTLY CLOUDY 7		CLOUDY 16									

* 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 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.

APRIL 1983 ERRATA ##
 # PAGE 1 - DELETE COLS. 16 & 17 SUM BLOCKS. #

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 DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

L. Roy Horst

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1983 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND																																																																																									
	0-100	100-200	200-300	WHOLE MILES	16THS MILE	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-100	100-200	200-300	WHOLE MILES	16THS MILE	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-100	100-200	200-300	WHOLE MILES	16THS MILE	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																													
DAY 01																														DAY 02																														DAY 03																																																															
01	10	250	15			67	62	58	73	18	10	4	UNL	15			69	61	56	63	16	15	10	80	15			72	66	62	71	17	12	DAY 04																														DAY 05																														DAY 06																													
04	10	UNL	15			64	60	58	81	17	10	10	120	15			66	61	57	73	17	12	10	80	15			69	65	62	79	17	11	DAY 07																														DAY 08																														DAY 09																													
07	8	250	12			64	62	60	87	17	12	10	120	15			66	62	60	81	18	13	10	250	15			68	64	62	81	17	13	DAY 10																														DAY 11																														DAY 12																													
10	8	250	12			75	68	64	69	20	13	10	120	15			73	66	62	69	18	16	10	250	15			78	69	64	62	19	14	DAY 13																														DAY 14																														DAY 15																													
13	10	UNL	12			82	69	62	51	19	14	10	250	15			81	70	64	56	17	17	10	250	10			82	68	60	47	21	22	DAY 16																														DAY 17																														DAY 18																													
16	9	60	12			80	67	60	51	18	11	10	250	15			80	69	63	56	19	14	10	80	10			82	69	62	51	17	18	DAY 19																														DAY 20																														DAY 21																													
19	7	UNL	12			76	65	59	56	16	9	10	80	15			78	68	62	58	17	10	10	40	10			79	67	60	52	27	17	DAY 22																														DAY 23																														DAY 24																													
22	10	UNL	12			71	63	58	64	16	12	10	80	15			75	67	62	64	18	10	10	35	5			65	63	61	87	19	10	DAY 25																														DAY 26																														DAY 27																													

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 OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1983 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			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)	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)																																										
																								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)																																
DAY 19																						DAY 20																						DAY 21																					
01	5	UNL	10		51	48	46	83	12	7	10	4	1	8	RWF	63	62	61	93	13	9	10	50	6		71	70	69	93	19	8																																		
04	8	250	10		50	48	47	89	00	0	10	10	5	8	RWF	63	62	62	97	14	8	10	45	7		F	69	67	66	90	18	4																																	
07	5	UNL	6	F	54	52	51	90	11	6	10	9	5		F	65	65	65	100	17	9	10	11	7	R	69	68	67	93	19	4																																		
10	10	250	10		69	61	56	63	13	15	10	11	8			73	70	69	87	18	12	10	9	7		71	70	70	97	19	6																																		
13	10	25	12		70	61	55	59	16	14	10	18	8			79	73	70	74	18	10	10	12	5	RF	73	71	70	90	22	8																																		
16	10	40	8		66	63	61	84	13	8	10	25	8			81	74	71	72	16	10	10	70	8		77	72	70	79	23	10																																		
19	10	50	8	RW	66	62	59	78	13	10	9	250	8			76	71	69	79	15	8	10	70	7		75	71	69	82	19	5																																		
22	10	35	10		66	61	58	76	14	7	10	60	8			72	70	69	90	14	5	8	UNL	7		70	69	69	97	00	0																																		
DAY 22																						DAY 23																						DAY 24																					
01	10	30	5		68	67	67	97	36	4	9	35	7			69	68	67	93	17	8	6	70	10		69	66	64	84	28	5																																		
04	10	120	2	F	67	66	66	97	09	5	5	UNL	6		F	68	67	66	93	18	6	7	70	10		65	61	59	81	32	6																																		
07	10	100	4	F	69	68	68	97	14	5	8	5	3		F	69	68	68	97	20	8	10	70	10		65	61	58	78	35	12																																		
10	10	12	7		75	74	73	94	23	12	9	11	7			76	73	71	85	20	8	9	80	10		68	63	60	76	35	9																																		
13	10	25	7		74	72	71	90	09	7	10	30	8			84	73	68	59	20	11	10	250	10		74	64	57	55	31	5																																		
16	10	12	0	12	RW	72	71	70	93	09	4	7	UNL	8		84	71	65	53	26	10	10	UNL	10		76	63	55	48	34	15																																		
19	10	35	5	12	TRWF	71	70	69	93	16	9	8	UNL	10		78	70	65	64	17	6	4	UNL	10		70	61	54	57	34	13																																		
22	10	30	5		69	68	67	93	14	10	0	UNL	10			70	68	67	90	17	7	0	UNL	10		60	56	53	78	34	6																																		
DAY 25																						DAY 26																						DAY 27																					
01	0	UNL	12		57	54	52	83	00	0	10	250	15			61	58	56	84	14	9	10	40	7		59	57	55	87	33	7																																		
04	0	UNL	12		53	51	50	90	00	0	10	45	12			62	60	58	87	14	6	3	UNL	10		55	52	49	80	32	10																																		
07	0	UNL	15		58	55	52	81	34	6	9	45	6		H	63	61	59	87	16	4	0	UNL	20		55	50	45	69	32	9																																		
10	3	UNL	15		71	61	53	53	14	4	3	UNL	6		H	74	67	63	69	23	4	0	UNL	20		63	53	43	48	34	16																																		
13	4	UNL	15		76	61	50	40	35	3	4	UNL	7			81	69	63	54	22	7	9	300	20		68	54	41	38	32	9																																		
16	2	UNL	15		77	62	51	40	22	11	4	UNL	7			74	64	57	55	32	12	0	UNL	20		71	55	39	31	31	9																																		
19	7	UNL	15		71	62	55	57	16	5	10	250	7			69	63	60	73	08	10	0	UNL	20		67	55	45	45	34	6																																		
22	7	UNL	15		64	59	55	73	14	11	8	250	7			63	61	59	87	18	8	0	UNL	15		55	52	49	80	00	0																																		
DAY 28																						DAY 29																						DAY 30																					
01	8	UNL	12		54	51	49	83	00	0	10	50	8			63	59	56	78	13	9	8	UNL	5		F	66	65	64	93	12	4																																	
04	10	UNL	12		52	50	49	90	30	5	10	40	7			62	60	59	90	05	3	10	30	6		RWF	65	64	64	97	16	7																																	
07	4	UNL	12		58	54	50	75	00	0	10	8	6		R	62	61	60	93	11	4	10	250	3		F	67	66	66	97	17	8																																	
10	3	UNL	10		68	58	50	53	13	6	10	8	6		F	65	64	64	97	18	7	10	10	5		F	71	69	68	90	19	12																																	
13	7	UNL	15		74	61	51	45	13	8	10	45	7			71	68	67	87	14	7	10	80	6		H	78	72	69	74	19	9																																	
16	7	30	15		77	63	54	45	15	11	10	50	7			75	70	67	76	17	6	10	30	5		H	77	72	69	76	17	8																																	
19	9	70	12		71	61	54	55	10	11	10	40	6		H	73	69	67	82	10	8	8	50	6		H	76	70	67	74	20	7																																	
22	10	40	10		65	59	54	68	12	9	8	100	6		F	68	67	66	93	14	8	3	UNL	7		70	68	67	90	14	4																																		
DAY 31																						DAY 31																						DAY 31																					
01	8	70	4		67	66	66	97	15	5																																																							
04	5	UNL	5		66	65	65	97	15	5																																																							
07	10	7	4		67	66	66	97	01	3																																																							
10	10	30	3		73	69	67	82	00	0																																																							
13	9	UNL	7		80	70	64	58	31	4																																																							
16	7	35	8		83	68	60	46	30	12																																																							
19	8	50	8		73	64	58	59	32	11																																																							
22	10	45	10		68	61	57	68	35	7																																																							

RICHMOND VA

83 05

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.82	60	57	54	83	8.2	16	3.3
04	6	29.81	57	55	53	87	7.2	19	2.4
07	5	29.84	60	57	54	84	8.3	18	2.1
10	6	29.84	69	61	55	64	10.8	21	4.7
13	7	29.80	74	63	54	52	10.9	20	6.1
16	6	29.76	75	63	54	51	11.5	22	5.0
19	6	29.78	70	61	55	60	9.5	15	2.6
22	5	29.81	63	59	55	76	7.6	14	3.9

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1983
RICHMOND, VIRGINIA 13740

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	.13	.08	.02	T																		.07	.08	.12	4	
5																								5		
6																								6		
7																								7		
8																								8		
9																								9		
10																								10		
11																								11		
12																								12		
13																								13		
14																								14		
15																								15		
16				T	T	T	T	T			T	.17	.15	T	T	T			T	T				16		
17																								17		
18																								18		
19																								19		
20	.20	.03	T	.11	.09	.01	.01	T	T					T	T	T	T					T	.02	20		
21		T						T	T					T	.01	.01	.01	T						21		
22					T			T	.15	.02			T	.08	T	.03	.06	.16	.02	.03	.03	T	T	.25	T	22
23																									23	
24								T	T	T															24	
25																									25	
26				T																			.01	.02	.20	26
27																									27	
28																									28	
29	T	T	T	T		T	T	.01				.02	.01	T								T	T		29	
30					.05																				30	
31																									31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.09	00.13	00.15	00.20	00.21	00.23	00.26	00.32	00.32	00.32	00.32	00.32
ENDED: DATE	26	26	26	26	26	16	16	16	16	16	16	16
ENDED: TIME	2305	2310	1315	2320	2330	1230	1235	1250	1250	1250	1255	1325

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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