

JUN 1983 13740
 RICHMOND, VIRGINIA
 R. E. BYRD INTERNATIONAL AP.

ISSN 0198-537X

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

JUN 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 JULY)	COOLING (SEASON BEGINS WITH JANU)		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	69	56	63*	-7	59	2	0	1	0	29.65	35	2.0	4.9		315	36	8	7	1		
2	76	53*	65	-5	54	0	0	1	0	29.85	28	3.2	6.9		875	100	3	2	2		
3	80	60	70	-1	62	0	5	1	0	29.78	16	8.4	9.2		542	62	8	9	3		
4	80	65	73	2	64	0	8	3	0	29.60	20	9.5	10.8		653	74	9	7	4		
5	85	61	73	2	63	0	8	0	0	29.70	16	2.5	5.5		878	100	1	1	5		
6	85	65	75	3	69	0	10	1	8	29.64	15	8.6	9.4	16	S	662	75	8	7	6	
7	83	62	73	1	67	0	8	1	8	29.61	02	1.5	8.5	14	N	401	46	10	10	7	
8	81	62	72	0	60	0	7	1	0	29.70	36	4.4	6.5	11	N	737	84	5	5	8	
9	80	60	70	-2	61	0	5	1	8	29.94	05	5.8	6.9	15	E	832	94	3	2	9	
10	82	58	70	-2	58	0	5	1	0	30.03	02	5.0	6.6	11	N	789	89	3	2	10	
11	85	57	71	-2	60	0	6	1	0	30.05	15	5.0	5.3	10	S	882	100	0	0	11	
12	88	59	74	1	62	0	9	8	0	30.00	17	3.9	4.2	7	SW	883	100	1	0	12	
13	93	67	80	7	65	0	15	8	0	29.92	36	2.5	4.2	8	NW	883	100	1	1	13	
14	92	70	81	8	68	0	16	8	0	29.85	04	1.8	4.2	9	SE	770	87	2	1	14	
15	91	68	80	6	67	0	15	8	0	29.80	12	6.0	6.9	10	SE	790	89	2	1	15	
16	91	68	80	6	67	0	15	8	0	29.85	14	5.4	6.0	9	SE	825	93	1	1	16	
17	93	69	81	7	67	0	16	8	0	29.88	15	5.3	6.2	11	S	835	94	5	4	17	
18	90	69	80	6	68	0	15	8	0	29.85	11	3.4	6.3	16	N	670	76	4	4	18	
19	87	72	80	6	71	0	15	1	3	29.85	12	1.0	4.5	16	NW	367	41	10	9	19	
20	89	71	80	5	71	0	15	1	3	29.85	14	5.7	6.5	24	SE	371	42	10	10	20	
21	81	71	76	1	70	0	11	1	3	29.89	04	6.9	7.9	17	E	372	42	10	10	21	
22	83	67	75	0	66	0	10	1	8	29.98	04	7.9	9.1	15	N	671	76	7	6	22	
23	86	63	75	0	64	0	10	0	0	29.95	07	2.3	3.7	8	NE	885	100	2	2	23	
24	93	64	79	4	66	0	14	8	0	29.79	20	4.4	5.5	8	W	864	98	1	1	24	
25	90	71	81	6	65	0	16	8	0	29.72	35	5.1	6.6	12	N	842	95	4	3	25	
26	92	66	79	3	65	0	14	0	0	29.88	20	3.1	6.3	10	SW	884	100	6	4	26	
27	93	72	83	7	72	0	18	8	0	29.86	18	11.1	11.4	16	S	820	93	4	3	27	
28	93*	77	85*	9	74	0	20	3	8	29.74	19	10.8	11.2	24	SW	526	71	9	7	28	
29	78	70	74	-2	69	0	9	1	8	29.81	04	5.7	8.9	17	N	70	8	10	10	29	
30	82	68	75	-1	65	0	10	0	0	29.95	08	6.4	6.8	10	E	569	64	8	9	30	
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM			
257.1	196.1				2	325		PRECIPITATION		5.46	0	29.83	13	2.0	6.9	24	SW	20563	FOR	155	138
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.							DATE: 28+	POSSIBLE	MONTH	AVG.	AVG.
85.7	65.4	75.6	2.1	65	2	67		> .01 INCH.	10	1.86								26469	78	5.2	4.6
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF													
MAXIMUM TEMP.		MINIMUM TEMP.		3565		456		THUNDERSTORMS		5		PRECIPITATION		SNOW, ICE PELLETS							
5 90°		2 32°		2 0°		DEP.		DEP.		0		2.98		20-21		0					
11		0		0		-374		86		CLEAR 12		PARTLY CLOUDY 7		CLOUDY 11							

* 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.

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

L. Ray Hoxit

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1983 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISIBILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISIBILITY		TEMPERATURE				WIND																																																
			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)																																																		
DAY 19																							DAY 20																							DAY 21																						
01	10	250	7		74	70	68	82	17	4	10	250	5	H	73	71	70	90	11	3	10	100	5	F	72	70	69	90	12	3																																						
04	9	250	7		72	70	69	90	12	3	10	100	5	FH	72	70	69	90	11	4	10	3	1	B	RWF	72	70	69	90	03	5																																					
07	10	100	6	H	75	72	70	85	07	4	10	250	7		73	71	70	90	15	3	10	40	1	F	72	70	69	90	02	4																																						
10	10	200	6	TH	82	76	73	74	18	3	10	100	2	H	81	76	74	79	17	3	10	8	6	F	74	72	71	90	07	9																																						
13	10	20	6	H	86	76	72	63	30	6	10	100	3	H	87	78	74	65	17	7	10	13	7		80	74	71	74	07	9																																						
16	10	35	5	RWF	73	71	70	90	21	4	10	10	0	B	TRWH	73	70	69	87	12	9	10	17	7	T	79	73	70	74	01	12																																					
19	9	200	6	H	77	74	73	88	04	3	10	5	1	B	TRWH	73	71	70	90	12	8	10	6	5	H	74	72	71	90	02	8																																					
22	3	UNL	5	H	74	73	72	94	07	4	10	5	2		73	71	70	90	18	8	10	20	2	FH	73	71	70	90	05	5																																						
DAY 22																							DAY 23																							DAY 24																						
01	10	8	2	FH	72	69	68	87	02	6	0	UNL	7		66	64	63	90	00	0	0	UNL	10		68	65	64	87	17	4																																						
04	10	8	2	FH	72	69	68	87	01	8	0	UNL	7		64	62	60	87	00	0	0	UNL	8		66	64	63	90	16	4																																						
07	10	8	2	B	FH	71	69	68	90	04	10	0	UNL	7		68	66	65	90	00	0	0	UNL	7		69	66	65	87	17	4																																					
10	10	18	4	H	75	70	67	76	03	11	2	UNL	10		78	70	66	67	02	4	2	UNL	7		84	73	67	57	30	3																																						
13	8	35	5	H	78	71	67	69	01	10	2	UNL	12		83	71	64	53	08	6	2	UNL	7		91	75	67	45	19	5																																						
16	5	UNL	8		82	70	64	55	08	10	6	UNL	12		86	70	62	45	36	6	3	UNL	7		92	75	68	45	25	5																																						
19	0	UNL	8		78	69	64	62	05	5	4	UNL	12		82	70	64	55	13	5	0	UNL	5	H	86	74	68	55	22	6																																						
22	0	UNL	7		69	66	65	87	12	3	0	UNL	12		71	67	65	81	12	5	0	UNL	5	H	79	72	69	72	20	7																																						
DAY 25																							DAY 26																							DAY 27																						
01	0	UNL	6	H	77	70	67	71	23	6	0	UNL	15		69	66	64	84	16	4	0	UNL	12		74	69	67	79	18	12																																						
04	0	UNL	7		76	70	67	74	00	0	2	UNL	8		66	64	63	90	35	4	0	UNL	8		73	68	66	79	19	7																																						
07	0	UNL	6	H	77	69	64	64	35	9	10	UNL	7		70	67	65	84	33	4	0	UNL	7		76	71	68	76	19	11																																						
10	6	UNL	10		83	70	63	51	02	10	8	UNL	8		84	70	63	49	31	3	6	17	6	H	84	78	75	74	19	10																																						
13	4	UNL	15		88	72	64	45	35	7	8	UNL	12		91	73	64	41	23	7	6	25	5	H	92	80	76	64	19	12																																						
16	3	UNL	15		90	72	63	41	35	8	5	UNL	12		91	74	66	44	19	9	3	UNL	5	H	91	81	77	64	17	12																																						
19	7	250	15		83	71	64	53	36	6	0	UNL	15		84	73	67	57	17	7	3	UNL	5	H	86	78	75	70	17	8																																						
22	0	UNL	15		73	68	66	79	00	0	0	UNL	15		75	70	67	76	16	6	0	UNL	5	H	82	76	74	77	15	7																																						
DAY 28																							DAY 29																							DAY 30																						
01	0	UNL	5	H	80	76	74	82	17	11	10	50	8		78	74	72	82	21	7	10	40	7		70	67	65	84	09	6																																						
04	0	UNL	6	H	78	74	73	85	18	7	10	80	6	H	78	74	72	82	31	5	10	45	8		69	66	64	84	07	6																																						
07	8	250	5	H	79	74	72	79	20	10	10	10	4	H	77	74	72	85	04	8	10	35	8		69	66	64	84	05	0																																						
10	9	80	6	H	86	78	75	70	19	9	10	6	8	RW	72	70	69	90	01	9	8	35	8		75	68	64	69	00	0																																						
13	10	UNL	7		92	78	73	54	21	11	10	6	4	F	71	68	67	87	03	11	8	80	8		80	69	63	56	06	7																																						
16	10	250	7	T	84	78	75	74	22	8	10	7	4	F	71	68	67	87	04	9	5	UNL	10		82	71	66	58	07	9																																						
19	10	30	7	TRW	82	77	75	79	19	13	10	10	3	F	71	68	66	84	08	8	9	28	15		78	70	66	67	09	7																																						
22	10	50	10		80	75	73	79	20	9	10	15	1	B	F	70	68	67	90	06	5	10	22	15		74	68	65	74	11	7																																					

RICHMOND VA

83 06

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE				DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %			
01	4	29.82	69	66	64	86	5.8	15	2.9
04	4	29.82	67	65	64	88	4.7	12	.8
07	5	29.85	70	67	65	85	6.3	06	.2
10	5	29.86	79	71	66	67	7.0	02	.7
13	5	29.84	84	72	66	56	9.2	13	1.8
16	5	29.81	83	71	65	57	8.6	13	2.7
19	5	29.81	79	70	66	67	7.6	13	4.4
22	3	29.84	72	68	66	82	5.9	12	3.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 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						T	T		T		T		.02	.38	.12	.05	T				.02				1		
2																									2		
3																									3		
4	T	.08								T	T					T	T	T	T	T	T	T			4		
5																									5		
6																									6		
7																T	T	.05	.02	.04	.17	.41	.21	.04	7		
8	.06	.06	.02	.01	T	T																	.11	.10	8		
9																									9		
10																									10		
11																									11		
12																									12		
13																									13		
14																									14		
15																									15		
16																									16		
17																									17		
18																									18		
19																									19		
20														.08	T	.38	.02	T	.60	.24	.37	.08	.10	.16	.06	T	20
21													.19			.78		.08	.24	.37	.08	.10					21
22																										22	
23																										23	
24																										24	
25																										25	
26																										26	
27																										27	
28																										28	
29													.19							.03	T	T	T			29	
30													.01													30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.12	00.23	00.28	00.30	00.33	00.35	00.44	00.50	00.53	00.62	00.68	00.79
ENDED: DATE	01	01	01	01	01	01	07	07	07	07	07	07
ENDED: TIME	1310	1310	1315	1320	1330	1345	2120	2130	2140	2200	2230	2300

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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