

NOV 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

NOV 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 MINUTES	SKY COVER (TENTHS)			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL) 7A	COOLING (SEASON BEGINS WITH JAN) 7B			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE		PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	WINDMIGHT	DATE
1	63	42	53	0	42	12	0	0	0	0	30.33	04	3.5	4.5	9	E	484	76	5	6	1
2	64	38	51	-2	45	14	0	0	0	0	30.19	33	1.5	2.9	6	N	287	45	8	6	2
3	73*	46	60	7	51	5	0	0	0	0	29.85	22	3.3	7.3	11	NW	364	58	8	9	3
4	58	40	49	-3	30	16	0	0	0	.01	29.79	35	8.1	8.5	26	N	166	26	9	9	4
5	51	33	42	-10	30	23	0	0	0	0	29.78	30	4.3	6.6	23	N	169	27	9	8	5
6	55	35	45	-7	33	20	0	0	0	0	29.81	29	6.3	7.2	17	NW	336	54	9	6	6
7	59	33	46	-6	37	19	0	0	0	0	29.92	16	3.6	4.2	6	N	345	55	10	8	7
8	68	36	52	1	40	13	0	0	0	0	30.01	08	.9	4.6	6	E	624	100	0	1	8
9	70	38	54	3	45	11	0	0	0	0	29.95	07	4.1	4.9	12	E	409	66	5	5	9
10	66	54	60*	9	57	5	0	0	0	1.64	29.48	10	3.3	10.6	16	NE	0	0	10	9	10
11	60	41	51	-1	41	14	0	0	0	0	29.30	23	14.6	17.0	30	SW	492	80	2	4	11
12	49	32	41	-9	22	24	0	0	0	0	29.64	29	12.5	13.2	24	NW	616	100	4	3	12
13	44	28	36*	-14	25	29	0	0	0	0	29.80	34	4.6	5.2	12	N	403	66	8	8	13
14	52	29	41	-8	26	24	0	0	0	0	29.83	20	.7	4.6	8	NW	590	96	1	3	14
15	50	30	40	-9	40	25	0	0	0	1.02	29.70	13	5.4	8.3	18	E	0	0	10	9	15
16	55	39	47	-2	36	18	0	0	0	0	29.43	23	11.6	11.9	23	SW	462	76	4	5	16
17	51	35	43	-5	28	22	0	0	0	0	29.67	25	10.2	11.1	21	NW	480	79	6	3	17
18	57	27	42	-6	29	23	0	0	0	0	29.92	18	6.0	7.1	13	SW	529	87	4	4	18
19	68	43	56	8	38	9	0	0	0	0	29.87	18	5.9	6.2	9	S	596	99	6	6	19
20	68	42	55	7	48	10	0	0	0	.81	29.66	15	10.8	11.5	23	S	256	43	10	8	20
21	63	41	52	5	39	13	0	0	0	0	29.74	23	9.5	10.9	17	SW	600	100	0	0	21
22	71	39	55	8	36	10	0	0	0	0	29.86	21	7.3	8.1	11	SW	599	100	0	0	22
23	63	40	52	5	42	13	0	0	0	0	29.84	14	4.3	5.3	9	S	77	13	10	8	23
24	63	54	59	13	57	6	0	0	0	.51	29.64	16	8.0	9.2	12	SE	0	0	10	10	24
25	61	33	47	1	33	18	0	0	0	1.61	29.62	28	8.6	12.5	34	N	443	75	4	4	25
26	63	33	48	2	29	17	0	0	0	0	29.95	19	7.6	7.8	17	SW	593	100	1	1	26
27	61	30	46	1	33	19	0	0	0	0	29.92	16	2.4	2.9	8	S	569	96	6	6	27
28	67	51	59	14	54	6	0	0	0	.03	29.67	13	7.3	9.1	20	SE	4	1	10	9	28
29	65	34	50	5	36	15	0	0	0	0	29.62	22	9.7	12.1	24	SW	589	100	0	0	29
30	54	31	43	-1	26	22	0	0	0	0	29.92	25	5.7	7.1	12	NW	588	100	0	0	30
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL		FOR THE MONTH:				TOTAL	%	SUM	SUM	
1812	1127				475	0				5.63	.1	29.79	22	3.1	8.1	34	N	11670	Per	169	158
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION > .01 INCH.	7	2.34						DATE: 25	POSSIBLE	MONTH	AVG.	AVG.	
60.4	37.6	49.0	0.1	38	-8	0											18316	64	5.6	5.3	
NUMBER OF DAYS					SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.		MINIMUM TEMP.		798	1547	THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
> 90°	< 32°	< 32°	> 0°	DEP.	DEP.	HEAVY FOG		2.12		24-25		1		25		T					
0	0	7	0	70	211	CLEAR		8		PARTLY CLOUDY		9		CLOUDY		13					

* 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.

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L. Ray Hoyt

ACTING DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1983 13740
RICHMOND, VIRGINIA

HOUR U.S.T.	VISIBILITY				WEATHER	TEMPERATURE				WIND		VISIBILITY	WEATHER	TEMPERATURE				WIND														
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 19																																
01	8	55	10			46	41	34	63	19	6				45	41	35	60	16	5	4	UNL	15				57	55	54	90	22	12
04	8	55	15			45	41	36	71	17	8				44	40	36	74	15	4	0	UNL	15				52	50	48	86	24	9
07	5	UNL	12			44	40	35	71	18	5				43	41	39	86	16	7	0	UNL	15				50	45	39	66	20	14
10	3	UNL	12			56	48	39	53	21	7				58	54	51	70	16	12	0	UNL	15				55	46	36	49	25	8
13	5	UNL	12			66	53	41	40	18	7				60	60	55	63	15	16	0	UNL	15				61	48	34	36	22	10
16	10	250	12			66	53	40	39	16	3				60	61	57	60	13	13	0	UNL	15				61	48	34	36	22	10
19	7	UNL	12			51	45	39	64	16	3				65	60	57	75	13	16	0	UNL	15				47	42	35	63	19	6
22	0	UNL	12			45	41	37	74	15	4				59	58	57	93	20	7	0	UNL	15				43	40	35	73	18	7
DAY 20																																
DAY 21																																
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RICHMOND VA

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SUMMARY BY HOURS

HOUR U.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	NET BULB OF	DEW POINT OF				
01	5	29.78	44	41	38	80	6.1	21	2.9
04	5	29.79	42	40	36	81	7.2	22	1.9
07	6	29.81	40	38	35	82	6.8	25	1.9
10	5	29.83	50	45	38	65	9.4	24	3.7
13	6	29.78	57	48	38	51	11.0	22	5.1
16	6	29.76	58	49	38	51	9.0	21	4.5
19	6	29.78	50	45	39	68	8.3	19	2.5
22	4	29.78	46	43	38	75	6.7	2	3.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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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	.01	T	T	T	T	T	T	T																	4
5																			T	T		T	T	T	5
6																									6
7																									7
8																									8
9																									9
10		T	.04	.17	.17	.15	.44	.49	.02	.02	.13	.01	T	T	T	T		T						10	
11																									11
12			T																						12
13																									13
14																									14
15							T	.01	.04	.02	.07	.26	.14	.10	.06	.07	.06	.03	.02	.02	.01	.05	.03	.03	15
16	T														T										16
17																									17
18																									18
19																									19
20																			.01	.41	.21	.18	T		20
21																									21
22																									22
23																									23
24								T			.04	.03	.19	.06	.02		T	.08	.01	.01	.03	T	.04	24	
25	.05	.16	.70	.19	.12	.12	.12	.06	.09	T															25
26																									26
27																									27
28									T	T					T	.02	.01	T						28	
29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.18	00.29	00.31	00.42	00.48	00.68	00.73	00.82	00.91	00.99	01.02	01.07
ENDED: DATE	20	20	20	25	25	25	25	25	25	25	25	25
ENDED: TIME	1945	1948	1950	0220	0230	0244	0258	0315	0315	0330	0355	0440

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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