

JUL 1982 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 MBAN #13740

JUL 1982
 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°F		WEATHER TYPES	SNOW ICE PELLETS	PRECIPITATION	AVERAGE STATION PRESSURE	WIND (M.P.H.)			SUNSHINE	SKY COVER (TENTHS)		DATE												
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT					HEATING ISEASON BEGINS WITH JUL	COOLING ISEASON BEGINS WITH JAN	1 FOG		2 HEAVY FOG	3 THUNDERSTORM		4 ICE PELLETS	5 HAIL	6 GLAZE	7 DUSTSTORM	8 SMOKE, HAZE	9 BLOWING SNOW	10 WATER EQUIVALENT (INCHES)	11 SNOW, ICE PELLETS (INCHES)	12 ELEV. 177 FEET ABOVE M.S.L.	13 RESULTANT DIR.	14 RESULTANT SPEED	15 AVERAGE SPEED
1	80	63	72	-5	55	0	7		0	29.86	36	8.0	9.2	15	NE	882	100	6	5	1								
2	85	59*	72*	-5	59	0	7		0	29.95	21	4.4	4.8	14	SW	882	100	2	3	2								
3	92	69	81	-4	69	0	16	3	8	0	29.67	23	11.2	11.8	23	SW	519	59	9	8	3							
4	82	68	75	-3	66	0	10	1	8	0	29.71	02	4.3	7.8	15	N	661	75	8	9	4							
5	81	64	73	-5	62	0	8	1	8	0	29.94	09	6.4	6.9	12	E	658	75	7	7	5							
6	86	60	73	-5	64	0	8		0	0	30.02	10	3.0	6.3	10	SE	853	97	4	3	6							
7	91	68	80	-2	71	0	15	1	8	0	29.96	20	6.0	6.5	11	SW	878	100	3	2	7							
8	94	72	83	5	72	0	18	1	3	8	0	29.85	23	4.3	7.3	29	N	728	83	4	4	8						
9	90	72	81	3	73	0	16	1	3	8	0	29.81	32	2.6	6.9	12	SE	716	82	9	8	9						
10	86	72	79	1	73	0	14	1	3	8	0	29.82	16	2.4	4.5	15	SW	324	37	9	9	10						
11	84	72	78	0	75	0	13	1	3	8	0	29.76	18	5.5	6.5	20	SW	480	55	9	10	11						
12	88	71	80	-2	73	0	15	1	3	8	0	29.79	21	2.9	5.2	34	NW	376	43	8	8	12						
13	81	71	76	-2	72	0	11	1	8	0	29.90	07	3.1	4.5	14	N	546	63	9	9	13							
14	85	72	79	-1	74	0	14	1	3	8	0	29.93	16	2.2	3.9	18	NW	536	61	9	9	14						
15	83	72	78	0	74	0	13	1	8	0	29.96	17	2.4	3.2	7	S	451	52	10	10	15							
16	88	71	80	-2	74	0	15	2	8	0	29.96	18	4.9	5.2	7	S	610	70	6	6	16							
17	92	73	83	5	76	0	18	1	8	0	29.92	19	4.8	4.9	10	SW	759	87	6	5	17							
18	93	75	84	6	75	0	19	1	8	0	29.83	21	7.7	8.1	15	SW	867	100	1	1	18							
19	94*	75	85*	7	75	0	20	3	8	0	29.72	21	4.1	7.1	11	SW	824	95	2	2	19							
20	90	75	83	5	73	0	18	1	8	0	29.67	32	2.8	6.6	12	NE	813	94	8	7	20							
21	87	67	77	-1	65	0	12	1	8	0	29.82	01	5.3	5.6	12	NW	863	100	2	1	21							
22	91	65	78	0	69	0	13	1	8	0	29.82	20	4.8	5.2	15	SW	683	79	7	6	22							
23	81	71	76	-2	73	0	11	1	3	8	0	29.80	18	4.3	7.3	13	NW	131	15	10	10	23						
24	85	70	78	0	72	0	13	2	8	0	29.87	05	3.3	5.0	8	NE	747	87	7	6	24							
25	88	67	78	0	71	0	13	1	8	0	29.93	17	2.8	2.9	6	SE	777	91	5	4	25							
26	93	72	83	5	72	0	18	1	8	0	29.86	26	2.3	5.0	6	NW	815	95	2	2	26							
27	92	75	84	6	76	0	19	1	8	0	29.84	22	1.4	2.7	7	SW	633	74	8	6	27							
28	92	72	82	4	75	0	17	1	3	8	0	29.70	24	6.8	8.6	19	N	584	69	8	8	28						
29	86	67	77	-1	67	0	12	1	8	0	29.85	02	1.7	5.0	11	N	820	96	5	6	29							
30	81	74	78	0	74	0	13	1	8	0	29.85	18	2.8	3.6	10	SW	187	22	10	10	30							
31	79	75	77	-1	74	0	12	1	3	8	0	29.76	33	2.5	5.5	10	NW	327	39	10	10	31						
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM											
2700	2169					0	428		9.21	0	29.84	20	1.6	5.9	34	NW	19930	FOR	203	194								
AVG.	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.						DATE: 12	POSSIBLE	MONTH	AVG.	AVG.									
87.1	70.0	78.6	0.7	71	0	0	28	> .01 INCH	11	3.58						26897	74	6.5	6.3									
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.		0		881		THUNDERSTORMS		11		PRECIPITATION		SNOW, ICE PELLETS		0												
> 90°		< 32°		< 32°		< 0°		HEAVY FOG		2		2.79		12-13		0												
12		0		0		0		0		76		CLEAR		6		PARTLY CLOUDY		10		CLOUDY		15						

* 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.

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Daniel B. Mitchell

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 DIRECTOR NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1982 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	SKY COVER (TENTHS)	VISIBILITY			TEMPERATURE					WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY			TEMPERATURE					WIND										
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/16THS 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)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 19																																	
01	0	UNL	8		78	76	75	91	21	5		4	UNL	7		DAY 20	76	74	73	90	15	5	2	UNL	6		DAY 21	73	72	71	93	00	0
04	0	UNL	8		76	75	74	94	19	5		4	UNL	5	FH	76	75	74	94	21	4	0	UNL	4		FH	71	70	70	97	00	0	
07	2	UNL	7		78	76	75	91	24	7		8	5	2	FH	76	75	75	97	18	4	4	UNL	5		F	72	71	70	93	35	7	
10	0	UNL	7		87	78	75	68	27	4		10	80	5	H	86	78	75	70	29	6	6	70	10			79	71	67	67	04	8	
13	2	UNL	10		92	81	77	62	22	4		10	80	7		86	77	73	65	33	7	0	UNL	15			85	70	62	46	01	9	
16	3	UNL	10		93	80	75	56	20	9		9	80	8		90	78	73	57	33	9	0	UNL	15			87	71	62	43	35	10	
19	4	UNL	10		88	79	75	65	22	6		5	UNL	7		86	76	72	63	01	5	0	UNL	15			82	67	58	44	03	5	
22	6	250	10		79	75	73	82	06	9		8	UNL	8		77	72	70	79	36	6	0	UNL	15			69	65	63	81	00	0	
DAY 22																																	
01	0	UNL	10		65	63	61	87	00	0		9	250	6	H	79	75	73	82	19	9	10	4	3		DAY 24	71	70	70	97	00	0	
04	2	UNL	10		66	63	62	87	00	0		10	50	4	H	77	75	74	91	21	9	10	2	0	8	F	71	71	71	100	27	4	
07	9	25	10		69	68	67	93	16	4		10	25	2	H	77	76	75	94	21	7	9	80	2	8	F	72	72	72	100	36	4	
10	6	UNL	6		82	72	67	61	20	5		10	15	2	H	81	78	77	88	19	8	10	11	2	8	FH	78	75	74	88	03	5	
13	6	30	5		89	78	74	61	23	8		10	30	3	F	75	74	74	97	12	6	7	50	5	H	84	76	72	67	05	7		
16	5	UNL	5		90	77	72	56	21	9		10	30	2	TRWF	71	70	70	97	12	4	5	UNL	6		H	85	75	70	61	07	7	
19	7	UNL	5		85	77	73	67	19	5		10	80	2	RF	72	71	70	93	08	3	0	UNL	7			82	75	72	72	09	4	
22	7	250	6		80	76	74	82	18	5		10	250	2	F	71	70	70	97	36	5	0	UNL	7			75	72	71	87	11	4	
DAY 23																																	
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DAY 31																																	

RICHMOND VA

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SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
		STATION PRESSURE (INCHES)	AIR TEMP OF	WET BULB OF					DEW POINT OF
01	5	29.84	73	71	70	90	4.0	19	1.8
04	5	29.83	71	70	69	92	3.8	22	1.3
07	7	29.87	73	71	70	92	5.6	23	2.3
10	6	29.87	80	74	72	76	6.9	23	.8
13	7	29.85	85	76	72	66	7.8	20	1.8
16	7	29.82	85	75	71	65	8.7	21	2.2
19	6	29.82	81	74	71	74	5.8	16	2.2
22	6	29.84	75	72	71	87	4.8	19	1.5

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																								4	
5			.01																					5	
6																								6	
7																								7	
8																								8	
9																								9	
10						T	T	T													1.10	.62	.03	10	
11																								11	
12	.03	.01							.01	.01														12	
13																								13	
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29																								29	
30	.02	T																						30	
31						T	T	T																31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	01.00	01.60	02.00	02.25	02.38	02.45	02.48	02.52	02.64	02.65	02.65	02.65
ENDED: DATE	12	12	12	12	12	12	12	12	12	12	12	12
ENDED: TIME	1653	1658	1703	1708	1718	1733	1748	1808	1828	1848	1928	1948

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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