

OCT 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 WBAN #13740

OCT 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	77	55	66	1	59	0	1	2	8	0	0	29.87	32	3.7	4.3	9	NW	618	87	8	5	1
2	76	53	65	1	58	0	0	1	8	0	0	29.81	02	5.2	5.5	14	NE	692	98	1	1	2
3	76	50	63	-1	55	2	0	2	8	0	0	29.87	16	4.0	4.0	9	S	680	97	2	3	3
4	83	57	70	6	63	0	5	1	8	0	0	29.85	17	1.6	2.5	5	SW	371	53	9	8	4
5	82	65	74*	11	67	0	9	1	8	0	0	29.95	13	2.3	3.5	6	E	404	58	10	9	5
6	84	61	73	10	65	0	8	1	8	0	0	30.04	14	4.3	4.5	8	S	616	88	1	1	6
7	82	60	71	9	64	0	6	1	8	0	0	29.98	16	6.2	6.5	11	S	555	80	10	7	7
8	84*	59	72	10	64	0	7	1	8	0	0	29.84	20	5.1	6.0	12	S	523	76	6	5	8
9	81	63	72	10	67	0	7	1	8	0	0	29.71	29	2.0	8.1	16	E	305	44	9	10	9
10	63	54	59	-2	55	6	0	1	8	0	.37	29.91	05	7.0	7.3	11	E	121	18	10	10	10
11	62	53	58	-3	50	7	0	1	8	0	.09	29.96	13	2.7	3.5	5	E	215	31	10	10	11
12	71	57	64	3	58	1	0	1	8	0	0	29.93	16	3.5	3.7	4	SE	385	56	9	10	12
13	62	59	61	1	60	4	0	1	8	0	.95	29.76	08	2.7	5.9	15	N	0	0	10	10	13
14	73	53	63	3	52	2	0	1	8	0	0	29.65	29	7.5	8.8	10	NW	594	88	1	3	14
15	71	48	60	0	46	5	0	0	8	0	0	29.57	23	8.0	8.5	16	SW	676	100	0	0	15
16	62	41	52	-7	37	13	0	0	8	0	0	29.68	31	9.8	10.2	26	NW	550	82	6	5	16
17	60	35	48	-11	34	17	0	0	8	0	0	30.05	32	5.5	5.8	16	N	671	100	0	0	17
18	63	35*	49	-9	38	16	0	0	8	0	0	30.23	19	2.3	2.7	8	W	586	88	8	6	18
19	72	45	59	1	49	6	0	0	8	0	0	30.21	15	4.2	4.5	9	S	617	93	4	3	19
20	77	53	65	7	58	0	0	1	8	0	.01	30.04	18	6.7	6.9	14	SE	466	70	8	7	20
21	64	45	55	-2	50	10	0	0	8	0	T	29.99	02	5.8	10.2	16	N	226	34	9	6	21
22	58	40	49	-8	35	16	0	0	8	0	0	30.14	01	9.1	9.4	17	NE	570	86	5	3	22
23	50	37	44*	-13	33	21	0	0	8	0	0	30.19	36	9.3	9.5	14	NE	464	71	10	9	23
24	52	40	46	-10	38	19	0	1	8	0	.23	30.13	01	13.7	13.8	22	NE	0	0	10	10	24
25	50	46	48	-8	47	17	0	1	8	0	1.25	29.72	36	19.7	20.9	28	NE	0	0	10	10	25
26	55	42	54	-2	42	11	0	1	8	0	T	29.97	35	11.9	12.1	24	NE	588	90	6	5	26
27	69	39	54	-2	43	11	0	1	8	0	0	30.12	36	3.0	3.2	10	NW	648	100	0	0	27
28	70	39	55	0	43	10	0	1	8	0	0	30.10	06	.7	1.4	5	NE	646	100	0	1	28
29	71	39	55	0	44	10	0	1	8	0	0	30.04	17	3.2	3.5	10	S	644	100	3	3	29
30	75	42	59	4	45	6	0	0	8	0	0	30.05	18	4.3	4.5	10	SW	642	100	7	5	30
31	80	43	62	8	49	3	0	1	8	0	0	30.02	19	6.3	6.9	11	S	640	100	5	5	31
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
2165	1508				213	43			2.90	0	29.95	36	1.4	6.7	28	NE	14713	FOR	187	170		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 25	POSSIBLE	MONTH	AVG.	AVG.			
69.8	48.6	59.2	-0.1	51	10	16	.01 INCH.		6	-0.04					20882	70	6.0	5.5				
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.		229		1404		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS		0								
> 90°	< 32°	< 32°	< 0°	DEP.		DEP.		HEAVY FOG		2		1.38		24-25		0						
0	0	0	0	5		51		CLEAR 9		PARTLY CLOUDY 7		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.

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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ACTING DIRECTOR NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1982 13740  
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND											
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 01																													
01	2	UNL	2	56	56	56	100	32	5	0	UNL	4	FH	60	59	59	97	35	2	0	UNL	8	F	53	52	52	96	00	0
04	1	8	F	58	57	56	100	34	3	0	UNL	3	FH	60	59	59	97	01	0	3	UNL	1	F	51	51	51	100	00	0
07	10	1	0	55	55	55	100	00	0	0	UNL	4	FH	60	59	59	97	01	5	5	UNL	2	F	52	52	52	100	00	0
10	5	UNL	3	67	63	61	81	35	8	3	UNL	6	H	70	64	61	73	02	13	2	UNL	7		68	63	60	76	18	6
13	9	UNL	5	74	66	61	64	26	6	2	UNL	7		75	66	60	60	01	8	1	UNL	15		76	64	57	52	15	7
16	8	UNL	7	76	66	60	58	32	8	0	UNL	10		76	63	54	47	36	5	2	UNL	15		76	63	55	48	17	8
19	3	UNL	7	68	64	62	81	00	0	0	UNL	12		64	59	56	75	06	5	3	UNL	15		65	61	59	81	16	4
22	0	UNL	6	61	60	59	93	00	0	0	UNL	12		67	55	54	90	00	0	2	UNL	15		60	58	57	90	16	3
DAY 02																													
DAY 03																													
DAY 04																													
DAY 05																													
DAY 06																													
DAY 07																													
DAY 08																													
DAY 09																													
DAY 10																													
DAY 11																													
DAY 12																													
DAY 13																													
DAY 14																													
DAY 15																													
DAY 16																													
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

OCT 1982 13740  
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND											
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 19																													
01	10	50	15	49	46	44	83	14	3	0	UNL	7		55	55	55	100	14	4	5	UNL	8		64	62	61	90	18	10
04	3	UNL	15	45	44	42	89	00	0	3	UNL	7		53	52	52	96	00	0	9	45	8		63	62	61	93	22	4
07	9	80	8	45	44	44	96	00	0	2	UNL	6	F	54	54	54	100	00	0	10	8	8		61	59	57	87	02	13
10	2	UNL	8	62	55	49	63	14	5	10	65	7		63	61	60	90	17	7	10	25	10		58	52	47	67	03	10
13	2	UNL	8	69	60	53	57	16	6	9	65	8		75	67	63	66	19	11	10	25	10		58	51	44	60	35	9
16	5	UNL	8	71	61	53	53	17	7	8	65	8		76	67	61	60	19	12	7	25	10		61	53	46	58	06	5
19	0	UNL	10	61	58	55	81	12	5	10	30	8		64	62	60	87	17	5	0	UNL	10		52	47	42	69	03	11
22	0	UNL	7	56	55	55	96	13	5	10	100	8		65	63	61	87	17	9	0	UNL	10		47	43	38	71	36	9
DAY 20																													
DAY 21																													
DAY 22																													
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DAY 27																													
DAY 28																													
DAY 29																													
DAY 30																													
DAY 31																													

RICHMOND VA

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SUMMARY BY HOURS

HOUR L.S.T.	AVERAGES							RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.95	53	51	50	90	5.3	02	1.3
04	5	29.94	52	50	49	90	4.5	35	1.9
07	6	29.96	51	50	48	90	5.7	36	2.8
10	5	29.98	62	56	52	71	8.6	36	2.2
13	6	29.94	68	59	52	57	9.3	32	1.5
16	7	29.91	68	58	50	56	8.8	36	1.5
19	5	29.93	59	56	52	78	5.6	03	1.0
22	5	29.95	55	53	51	86	5.7	01	1.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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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																									8
9																		T	.01	.10	.20	.06	T	T	9
10												T													10
11												.05	.09						.01	.08	T				11
12																									12
13	T	T	.01	.01	.02	.02	.02	.01	.01	.01	.05	.09	.43	.11	.07	.03	.01	T	.02	.02			T	.01	13
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20															.01										20
21																									21
22						T	T																		22
23																									23
24																									24
25	T	.13	.17	.20	.25	.06	.04	.01	.03	.01	.08	.13	.04	T	T	T	T	.08	.07	T	T	.02	.03	.03	25
26	T																					.01	.04	.01	26
27																									27
28																									28
29																									29
30																									30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.07	00.12	00.15	00.20	00.27	00.41	00.44	00.48	00.52	00.53	00.58	00.64
ENDED: DATE	13	13	13	13	13	13	13	13	13	13	13	13
ENDED: TIME	1235	1240	1245	1250	1250	1250	1310	1325	1345	1405	1435	1400

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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