

FEB 1982 13740  
 RICHMOND, VIRGINIA  
 R.E.BYRD INTERNATIONAL AP.

ISSN 0198-537

# 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

FEB 1982 RICHMOND, VIRGINIA

DATE	TEMPERATURE OF					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 I SEASON BEGINS WITH JULI	COOLING I 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	66	34	50	12	35	15	0		0	0	30.02	29	7.9	13.2	28	SW	620	100	5	5	1	
2	42	32	37	-1	29	28	0	1	0	.51	0	30.30	01	6.8	7.6	14	N	162	26	10	9	2
3	57	36	47	9	44	18	0	1	0	.42	0	29.89	22	1.5	9.8	21	S	53	8	10	10	3
4	53	41	47	9	44	18	0	1	0	T	0	30.06	35	4.7	8.5	15	NE	0	0	10	10	4
5	42	37	40	2	34	25	0	2	8	T	0	30.20	36	4.1	5.2	10	NE	7	1	10	10	5
6	46	33	40	2	36	25	0	2	8	T	0	29.97	03	2.0	7.3	14	NE	37	6	10	10	6
7	43	23*	33	-5	19	32	0	0	0	0	0	30.19	22	2.2	5.8	14	SW	632	100	0	0	7
8	54	28	41	3	19	24	0	0	0	0	0	30.10	15	1.9	4.3	9	SE	634	100	5	5	8
9	50	38	44	6	37	21	0	1	8	.36	0	29.72	14	5.4	9.5	17	NE	0	0	10	10	9
10	40	31	36	-3	26	29	0	1	8	0	0	29.95	03	2.7	6.3	13	NE	638	100	5	5	10
11	49	30	40	1	26	25	0	0	0	0	0	30.12	13	3.8	5.0	8	SW	559	87	7	6	11
12	46	28	37	-2	27	28	0	1	0	.05	0	30.18	07	5.8	7.2	15	NE	422	66	6	6	12
13	42	29	36	-3	30	29	0	1	4	.35	3.6	29.93	35	7.5	8.3	17	N	385	60	7	6	13
14	53	24	39	0	29	26	0	0	0	0	0	30.09	18	5.6	6.3	14	W	623	96	6	4	14
15	67*	38	53	14	44	12	0	0	8	.08	0	30.05	20	11.3	11.8	26	SW	525	81	5	5	15
16	65	54	60*	21	56	5	0	1	8	.37	0	29.82	20	2.7	5.9	11	E	264	40	10	10	16
17	55	36	46	6	43	19	0	1	0	.66	0	29.72	04	12.5	13.5	20	NE	0	0	10	10	17
18	36	33	35	-5	34	30	0	1	6	.02	0	29.98	01	10.9	11.1	15	NE	0	0	10	10	18
19	51	35	43	3	37	22	0	2	0	.13	0	29.80	29	5.4	7.3	14	NW	300	46	8	6	19
20	55	34	45	5	36	20	0	0	0	0	0	29.65	26	4.3	6.9	13	NW	661	100	6	5	20
21	56	43	50	10	41	15	0	1	8	.26	0	29.38	36	4.3	7.9	18	NE	434	65	4	7	21
22	47	37	42	2	30	23	0	0	0	T	0	29.69	33	14.6	15.0	22	NW	448	67	8	7	22
23	63	32	48	7	33	17	0	1	8	0	0	29.85	18	4.3	5.2	13	SW	587	88	6	4	23
24	56	38	47	6	37	18	0	0	8	0	0	29.70	04	4.2	5.8	11	NE	408	61	10	8	24
25	43	30	37	-4	22	28	0	0	8	0	0	30.16	36	13.1	13.5	31	N	672	100	4	4	25
26	38	25	32	-9	12	33	0	0	0	0	0	30.46	05	3.0	6.0	12	NE	572	85	9	7	26
27	34	30	32*	-10	27	33	0	1	4	1.20	6.5	30.25	03	7.6	8.3	17	NE	0	0	10	10	27
28	45	30	38	-4	28	27	0	1	6	.03	.1	30.17	02	7.7	8.2	16	NE	584	86	3	4	28
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1394	939				645	0			4.44	10.8	29.98	36	2.4	8.2	31	N	10227	FOR	204	193		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 25	POSSIBLE	MONTH	AVG.	AVG.			
49.8	33.5	41.7	2.3	33	-72	0	> .01 INCH.		13	1.43							18164	56	7.3	6.9		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF								
						TOTAL		> 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.		MINIMUM TEMP.		3284		0		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS										
5 90°		2 32°		2 0°		2 0°		HEAVY FOG		3		1.22 27-28		6.5		27						
0		0		13		0		CLEAR		2		PARTLY CLOUDY		12		CLOUDY 14						

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 T 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.

*Daniel B. Mitchell*  
 DIRECTOR  
 NATIONAL CLIMATIC CENTER

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 ATMOSPHERIC ADMINISTRATION / INFORMATION SERVICE / ASHEVILLE, NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1982 13740  
RICHMOND, VIRGINIA

HOUR	L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		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)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																				
DAY 01																			DAY 02																			DAY 03																		
01	8	25	7			65	59	55	70	24	16	3	UNL	15			34	30	22	62	03	4	10	4	5			36	36	35	96	36	8																							
04	8	70	7			58	53	49	72	23	15	8	250	15			33	30	23	67	02	6	10	4	2		LF	37	37	36	96	01	5																							
07	3	UNL	10			53	46	38	57	25	9	8	120	15			33	29	22	64	03	7	10	4	2		LF	37	37	36	96	02	5																							
10	6	UNL	10			49	41	31	50	29	14	10	80	10			35	32	26	70	05	5	10	11	1	B	RF	38	38	38	100	11	5																							
13	6	UNL	15			51	42	29	43	31	12	10	35	10			41	38	33	73	01	6	10	2	1		F	50	50	50	100	18	17																							
16	4	UNL	15			52	42	28	40	33	10	10	16	8			40	37	32	73	01	10	10	4	2		F	55	55	55	100	19	8																							
19	3	UNL	15			42	35	25	51	03	9	10	5	2		RF	37	36	35	92	36	8	10	7	3		RF	53	53	53	100	30	14																							
22	2	UNL	15			36	32	24	62	03	7	10	4	2		RF	37	37	36	96	31	7	10	70	7			49	48	48	96	19	6																							
DAY 04																			DAY 05																			DAY 06																		
01	10	250	7			50	50	50	100	20	6	10	25	7			41	38	33	73	02	6	10	2	0	4	F	39	39	39	100	19	7																							
04	10	5	6		F	53	53	53	100	21	7	10	28	7			39	35	30	70	02	7	10	3	1		F	41	41	41	100	22	7																							
07	10	5	2	8	F	51	51	51	100	33	7	10	25	7			37	34	30	76	05	5	10	2	0	12	F	42	42	42	100	28	6																							
10	10	5	4		F	51	50	50	96	35	6	10	25	7			39	36	32	76	35	5	10	5	1		F	44	43	42	93	00	0																							
13	10	15	7			49	45	41	74	02	8	10	20	6		H	40	37	33	76	03	3	10	12	2		RF	45	44	42	89	06	5																							
16	10	18	7			50	45	40	69	01	6	10	17	2	8	LH	41	38	35	79	33	5	10	15	6		H	44	39	32	63	04	8																							
19	10	20	7			47	42	36	66	01	11	10	8	1	8	F	39	39	38	96	00	0	10	18	7			43	38	31	63	05	7																							
22	10	22	7			43	38	32	65	01	8	10	3	0	12	LF	39	39	39	100	28	5	8	28	10			36	31	22	57	02	11																							
DAY 07																			DAY 08																			DAY 09																		
01	0	UNL	15			31	27	19	61	03	4	0	UNL	10			30	27	22	72	18	5	10	50	12			39	33	24	55	15	9																							
04	0	UNL	15			28	25	17	63	35	5	0	UNL	10			32	29	22	67	23	8	10	80	12			41	36	27	58	17	8																							
07	0	UNL	15			24	22	17	75	11	4	2	UNL	10			29	26	20	69	00	0	10	50	7			39	36	32	76	11	7																							
10	0	UNL	15			30	25	12	47	00	0	1	UNL	8			38	32	21	50	02	4	10	35	7			44	40	34	68	16	7																							
13	0	UNL	12			38	31	17	43	24	7	6	UNL	10			48	37	17	29	00	0	10	35	3		RH	45	44	42	89	16	13																							
16	0	UNL	10			43	35	21	42	23	11	7	UNL	12			53	38	12	19	00	0	10	6	2		F	49	48	48	96	16	7																							
19	1	UNL	10			34	31	25	70	17	4	10	UNL	12			43	35	20	40	10	7	10	6	2		F	48	48	48	100	00	0																							
22	0	UNL	10			32	29	24	72	18	5	10	UNL	12			39	32	19	45	12	6	10	8	5		RF	44	44	44	100	01	15																							
DAY 10																			DAY 11																			DAY 12																		
01	10	250	7			38	36	34	86	36	8	10	100	10			31	28	21	66	09	3	0	UNL	10			33	32	29	85	00	0																							
04	0	UNL	8			34	32	29	82	34	6	10	40	10			31	28	22	69	00	0	0	UNL	10			31	30	28	89	35	5																							
07	2	UNL	6		F	32	31	29	89	00	0	8	250	10			31	29	24	75	10	4	1	UNL	5		F	29	28	26	89	02	5																							
10	3	UNL	6		H	34	30	24	67	08	8	10	250	10			33	30	26	75	06	5	8	250	7			37	33	26	65	06	9																							
13	3	UNL	8			39	33	21	48	25	6	10	250	10			44	39	31	60	19	8	8	UNL	8			44	37	25	47	11	7																							
16	10	250	8			40	34	25	55	01	5	0	UNL	8			48	40	29	48	14	6	10	70	7			44	38	29	56	09	9																							
19	7	UNL	8			37	32	23	57	07	5	0	UNL	10			40	36	29	65	14	5	10	80	7			39	34	27	62	09	9																							
22	10	250	10			32	29	22	67	13	6	0	UNL	10			35	33	29	79	14	4	10	12	5		S	37	34	28	70	10	6																							
DAY 13																			DAY 14																			DAY 15																		
01	10	5	1		S	34	33	32	92	05	7	0	UNL	7			28	27	25	89	00	0	0	UNL	10			41	38	34	76	19	9																							
04	10	4	1		LF	33	32	31	92	01	8	0	UNL	7			26	26	24	92	13	3	0	UNL	10			39	37	33	79	19	8																							
07	10	2	0	12	SF	32	32	31	96	34	8	2	UNL	7			25	24	22	88	14	4	0	UNL	10			39	37	35	86	18	9																							
10	10	7	2		SF	33	32	30	89	34	10	3	UNL	7			35	32	27	73	21	6	0	UNL	7			50	47	43	77	18	10																							
13	8	10	5		H	38	35	30	73	34	13	6	UNL	7			47	40	30	52	20	9	5	UNL	7			65	58	52	63	22	13																							
16	2	UNL	6		H	42	37	30	63	32	9	10	UNL	7			53	45	36	53	18	10	10	30	7			66	58	51	59	22	13																							
19	0	UNL	7			36	33	29	76	02	3	8	UNL	7			45	41	35	68	13	4	10	45	7			62	56	51	67	19	10																							
22	0	UNL	7			30	29	27	89	00	0	0	UNL	7			42	38	33	71	18	8	10	25	7			59	55	51	75	18	10																							
DAY 16																			DAY 17																			DAY 18																		
01	10	25	5		RH	57	56	55	93	19	6	10	4	2		F	55	55	55	100	08	8	10	7	2		RLF	36	35	34	92	01	12																							
04	10	20	5		RF	54	53	53	96	18	5	10	2	2		LF	51	50	50	96	07	12	10	5	4		LF	35	34	33	92	01	10																							
07	10	3	2		F	55	55	55	100	24	9	10	6	1	8	RF	48	48	48	100	06	9	10	5	4		ZLF	34	33	32	92	36	12																							
10	10	5	2		F	58	57	57	96	25	8	10	5	0	8	RLF	44	43	43	96	03	12	10	6	2		LF	35	34	33	92	02	10																							
13	9	11	5		H	64	60	58	81	19	3	10	8	1	8	LF	42	41	39	89	03	13	10	5	2		F	35	34	33	92	02	10																							
16	10	50	3		RH	65	61	58	78	00	0	10	8	1	8	RF	41	40	39	93	02	13	10	6	2		F	36	35	34	92	36	9																							
19	10	16	3		RF	60	59	58	93	06	4	10	10	7		L	38	37	36	93	03	14	10	6	1		LF	36	36	35	96	36	7																							
22	10	3	1		RF	57	57	57	100	07	6	10	8	5		LF	37	36	35	92	01	13	10	3	1		LF	36	36	35	96	35	7																							

WEATHER CODES

- \* TORNADO
- T THUNDERSTORM
- O 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: EXPRESSED IN KNOTS, (MPH = KNOTS X 1.15) IS THE FASTEST OBSERVED 1-MINUTE VALUE.



HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 1982 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																								1		
2																								2		
3	T	.14	.03	.02	.03	.02	.03	T	.01	.05	.03	.03	.01	.01	T	T	T	.01	.03	.03	.23	.13	.06	.02	3	
4																		T	.01	T					4	
5																		T	T	T	T	T	T		5	
6																									6	
7																									7	
8																									8	
9					T	.04	T					.02	.04	.02	T	T					.11	.06	.05	.02	9	
10																									10	
11																									11	
12																									12	
13	.03	.06	.03	.01	.06	.08	.04	.02	.02	T	T												T	.02	.03	13
14																										14
15																								T	.08	15
16	.03	T		.01	T																					16
17	T	.01	T	T	T	.04	.05	.02	.02	.06	.02	.01	T	.10	.05	T	T	T	.05	.13	.06	.07	.02	T	.03	17
18	.02	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	18
19	T	.01	.01	.01	T	.04	.02	.03	.01	T																19
20																										20
21				T	.04	.02																				21
22				T																						22
23																										23
24																										24
25																										25
26																										26
27	.01	.01	T	T	T	.01	.04	.03	.04	.08	.04	.06	.06	.11	.13	.12	.10	.11	.10	.05	.05	.03	.03	.01	27	
28																										28

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.06	00.10	00.11	00.13	00.19	00.25	00.28	00.31	00.34	00.37	00.39	00.42
ENDED: DATE	02	02	02	02	02	02	02	02	02	02	02	02
ENDED: TIME	2035	2040	2045	2045	2055	2115	2115	2115	2130	2150	2215	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.

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:  
THE NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE N.C. 28801  
ATTN: PUBLICATIONS

RICHMOND, VIRGINIA  
USCOMM - NOAA - ASHEVILLE, NC 550

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