

APR 1986
 RICHMOND, VIRGINIA
 NAT'L WEATHER SERVICE
 BOX A-63, RICHMOND INT'L AIRPORT

ISSN 0198-537X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



R.E. BYRD INTERNATIONAL AP.

LATITUDE 37°30' LONGITUDE 77°20' ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

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 0700 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	
01	85	49	67	14	47	0	2		0	0.00	0.0	29.900	12	4.7	6.9	12	13	757	100	0	0	01
02	81	51	66	13	45	0	1		0	0.00	0.0	29.780	03	5.9	7.8	16	02	687	91	3	3	02
03	75	49	62	8	41	3	0		0	0.00	0.0	30.025	09	6.2	9.1	14	14	693	91	1	2	03
04	78	50	64	10	53	1	0		0	T	0.0	30.030	19	2.8	5.4	12	23	515	67	7	7	04
05	65	51	58	4	52	7	0	1 8	0	T	0.0	30.040	07	6.9	8.6	14	08	147	19	10	8	05
06	66	50	58	3	51	7	0	1 8	0	0.04	0.0	29.945	04	3.8	5.8	9	04	319	42	10	10	06
07	81	55	68	13	52	0	3	2 8	0	0.03	0.0	29.690	27	2.6	7.4	14	32	645	84	5	5	07
08	81	50	66	10	47	0	1	1 3	0	T	0.0	29.420	23	3.7	9.4	20	23	372	48	8	6	08
09	58	45	52	-4	32	13	0		0	0.06	0.0	29.440	32	10.6	11.5	16	31	348	45	9	8	09
10	57	38	48	-8	26	17	0		0	0.00	0.0	29.480	29	10.9	11.9	18	31	194	25	8	8	10
11	68	36	52	-5	30	13	0		0	0.00	0.0	29.430	27	5.7	10.0	17	30	604	77	7	4	11
12	76	38	57	0	34	8	0		0	0.00	0.0	29.600	27	1.6	8.6	15	28	783	100	0	0	12
13	71	43	57	0	41	8	0		0	0.00	0.0	29.750	06	8.0	8.8	15	06	741	94	8	5	13
14	69	43	56	-2	44	9	0	1	0	0.00	0.0	29.875	08	4.8	8.2	13	15	540	69	8	5	14
15	70	48	59	1	53	6	0	1 8	0	0.09	0.0	29.670	13	7.5	9.6	15	12	449	57	10	10	15
16	58	46	52	-6	46	13	0	1	0	0.43	0.0	29.525	33	8.6	9.4	17	33	0	0	10	10	16
17	50	43	47	-12	43	18	0	1	0	0.35	0.0	29.610	34	7.0	9.1	17	36	0	0	10	10	17
18	65	44	55	-4	44	10	0		0	0.00	0.0	29.900	01	9.7	11.5	20	01	637	80	9	7	18
19	74	38	56	-3	38	9	0		0	0.00	0.0	30.010	10	1.9	5.3	12	13	746	93	2	1	19
20	83	47	65	6	42	0	0		0	0.00	0.0	29.690	19	10.3	10.6	17	22	704	88	5	7	20
21	73	52	63	3	55	2	0	1	0	0.10	0.0	29.420	22	4.7	10.5	16	28	452	56	8	8	21
22	58	41	50	-10	44	15	0	1	0	0.06	0.0	29.610	34	7.2	9.4	16	35	111	14	10	9	22
23	57	35*	46*	-14	27	19	0		0	T	T	29.850	33	11.6	12.2	18	36	730	90	7	6	23
24	71	44	58	-3	24	7	0		0	0.00	0.0	29.920	33	10.9	11.5	18	34	751	93	1	1	24
25	79	46	63	2	33	2	0		0	T	0.0	29.815	34	6.1	7.7	15	35	674	83	6	5	25
26	85	46	66	5	46	0	1		0	0.00	0.0	29.790	35	2.3	6.0	15	05	756	93	3	3	26
27	86*	51	69*	8	51	0	4		0	0.00	0.0	29.820	02	2.7	6.1	13	36	775	95	2	2	27
28	82	54	68	6	52	0	3		0	0.00	0.0	29.790	12	8.1	8.7	15	13	818	100	0	1	28
29	80	56	68	6	56	0	3		0	T	0.0	29.760	06	2.6	5.2	8	09	679	83	7	6	29
30	81	50	66	4	44	0	1	1	0	0.00	0.0	29.875	35	4.3	6.1	13	01	773	94	2	2	30
SUM	SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
2163	1389				187	19			1.16	T	29.750	36	2.1	8.6	20	01	16400	for	176	159		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 18+	POSSIBLE	MINIM	AVG.	AVG.			
72.1	46.3	59.2	1.3	43.1	-39		> .01 INCH.		8	-1.74						23701	69	5.9	5.3			
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.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
> 90°					< 32°		HEAVY FOG		0.50		16-17		trace									
0					0		-404		14		CLEAR 10		PARTLY CLOUDY 7		CLOUDY 13							

* 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 OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY 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 NOTED IN SUBSEQUENT PUBLICATIONS.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

APR 1986
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VIST-BILITY			TEMPERATURE				WIND			VIST-BILITY			TEMPERATURE				WIND															
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
APR 1st																																	
01	0	UNL	10	56	50	44	64	08	4	3	UNL	10			59	54	49	70	19	6	0	UNL	12					59	49	37	44	04	4
04	0	UNL	10	52	48	43	72	03	4	7	120	12			57	50	44	62	00	0	0	UNL	12					53	45	36	53	03	6
07	0	UNL	10	51	47	43	74	02	3	1	UNL	10			55	50	45	69	35	4	0	UNL	15					52	46	39	61	01	7
10	0	UNL	10	70	59	51	51	08	5	5	UNL	10			73	59	47	40	01	13	0	UNL	15					64	52	40	42	05	9
13	0	UNL	10	84	64	50	31	14	4	2	UNL	10			79	61	47	33	05	6	2	UNL	15					71	56	42	35	04	8
16	0	UNL	10	83	63	49	31	14	8	1	UNL	10			80	61	47	31	03	11	0	UNL	15					71	57	44	38	15	12
19	0	UNL	10	71	57	45	40	12	8	5	UNL	10			72	57	44	37	03	6	7	UNL	15					60	51	41	50	11	11
22	0	UNL	10	63	56	51	65	17	7	4	UNL	12			65	55	45	49	05	5	7	UNL	12					54	48	42	64	12	8
APR 2nd																																	
APR 3rd																																	
APR 4th																																	
APR 5th																																	
APR 6th																																	
APR 7th																																	
APR 8th																																	
APR 9th																																	
APR 10th																																	
APR 11th																																	
APR 12th																																	
APR 13th																																	
APR 14th																																	
APR 15th																																	
APR 16th																																	
APR 17th																																	
APR 18th																																	

WEATHER CODES

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL SW SNOW SHOWERS IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> 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 OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

APR 1986
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VIST-BILITY				TEMPERATURE				WIND		SKY COVER (TENTHS)	VIST-BILITY				TEMPERATURE				WIND															
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)												
																								SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
APR 19th																																			
01	0	UNL	8			47	45	43	86	13	4	2	UNL	8			47	43	38	71	18	6	10	45	8					68	58	50	53	19	10
04	0	UNL	8			41	39	37	86	00	0	8	UNL	8			49	42	34	56	16	4	10	42	8					65	58	53	65	20	12
07	0	UNL	10			48	45	41	77	00	0	2	UNL	8			53	47	40	62	17	7	10	30	3	RWF			61	59	58	90	19	12	
10	1	UNL	15			61	48	34	37	04	3	2	UNL	10			66	55	46	49	18	8	10	55	7			65	61	59	81	22	13		
13	2	UNL	15			69	53	38	32	23	5	7	250	10			80	64	52	38	17	12	9	23	10			70	62	57	64	27	14		
16	4	UNL	15			73	55	37	27	30	6	8	200	10			81	60	42	25	18	13	8	200	10			71	61	53	53	32	8		
19	4	UNL	15			66	52	39	37	12	7	10	100	10			74	57	42	32	19	10	3	UNL	10			63	58	54	73	05	4		
22	0	UNL	10			54	48	42	64	15	6	10	55	8			71	56	42	35	19	10	9	50	8			59	54	49	70	36	3		
APR 20th																																			
APR 21st																																			
APR 22nd																																			
APR 23rd																																			
APR 24th																																			
APR 25th																																			
APR 26th																																			
APR 27th																																			
APR 28th																																			
APR 29th																																			
APR 30th																																			

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.760	52	48	44	74	6.6	35	0.5
04	5	29.750	50	47	42	75	6.7	31	2.2
07	5	29.770	52	48	43	73	7.5	32	3.0
10	6	29.780	62	52	43	55	10.6	34	4.0
13	6	29.750	67	55	44	47	10.5	32	3.4
16	6	29.700	70	56	43	42	10.4	35	2.7
19	6	29.720	63	53	43	52	9.3	06	3.3
22	4	29.760	57	50	44	64	7.1	06	1.8

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1986
RICHMOND, VIRGINIA 13740

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		
01																								01		
02																								02		
03																								03		
04																								04		
05																								05		
06	T	T	T	T	0.01	T	T	T																06		
07	0.02	T	0.01	T	0.01														0.01	0.02				07		
08																								08		
09	T	T	T	T																				09		
10																								10		
11																								11		
12																								12		
13																								13		
14																								14		
15																								15		
16	0.06	0.11	T	0.05	T																			16		
17	0.04	0.06	0.06	0.06	0.03	0.02	0.02	T	T	T	T	T	T	T	0.04	T	T	0.03	0.02	0.02	0.03	0.02	0.03	0.01	0.01	17
18																									18	
19																									19	
20																									20	
21					0.05	0.01	0.03	T	T	T	T	T	T	0.01	T	0.04	T	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	21
22	T	T	T	T	0.01																				22	
23																									23	
24																									24	
25																									25	
26																									26	
27																									27	
28																									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)	0.02	0.03	0.04	0.05	0.06	0.09	0.11	0.15	0.17	0.18	0.20	0.22
ENDED: DATE	17	16	16	16	16	16	16	16	16	16	16	16
ENDED: TIME	0504	0133	0139	0139	0139	0139	0139	0139	0139	0200	0219	0139

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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