

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



R.E. BYRD INTERNATIONAL AP.

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

MAY 1985  
 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 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)			SUNSHINE MINUTES	SKY COVER (TENTHS)		DATE				
	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	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	2	3	4	5	6	7A	7B	10	11	12	13	14	15	16	17	18	19	20	21	22	
01	89	52	71	9	45	0	6	0.00	0.0	29.800	21	10.6	10.9	17	23			8	8	01	
02	77	56	67	4	56	0	2	0.35	0.0	29.735	19	1.9	8.2	13	02			10	10	02	
03	60	43	52*	-11	45	13	0	0.47	0.0	29.740	36	10.7	11.5	22	01			8	7	03	
04	73	41*	57	-6	39	8	0	0.00	0.0	29.950	29	0.9	3.8	9	32			1	1	04	
05	81	45	63	0	47	2	0	0.00	0.0	29.880	21	10.9	11.2	21	22			5	4	05	
06	87	52	70	6	52	0	5	0.00	0.0	29.720	24	6.5	7.8	13	25			1	2	06	
07	78	58	68	4	48	0	3	0.00	0.0	29.715	35	8.1	10.4	15	01			8	7	07	
08	76	47	62	-2	44	3	0	0.00	0.0	29.950	34	2.3	4.6	9	30			10	9	08	
09	80	49	65	1	46	0	0	0.00	0.0	30.065	15	6.5	6.9	14	14			2	2	09	
10	84	61	73	8	59	0	8	0.00	0.0	29.960	19	6.2	6.7	13	18			8	7	10	
11	87	64	76	11	62	0	11	0.00	0.0	29.870	19	7.3	7.8	13	18			8	7	11	
12	87	65	76	11	63	0	11	0.00	0.0	29.830	18	8.3	8.7	18	16			8	7	12	
13	91	62	77	12	62	0	12	0.00	0.0	29.760	20	4.0	5.1	8	16			6	5	13	
14	91	62	77*	12	55	0	12	0.00	0.0	29.775	05	3.7	6.0	13	05			3	2	14	
15	74	59	67	1	57	0	2	0.00	0.0	29.900	10	8.2	9.1	14	11			10	8	15	
16	75	60	68	2	60	0	3	T	0.0	29.620	14	4.4	5.6	10	19			10	10	16	
17	69	58	64	-2	58	1	0	0.16	0.0	29.240	30	5.0	7.8	15	34			10	10	17	
18	76	57	67	0	44	0	2	0.04	0.0	29.400	32	10.5	12.4	18	01			2	5	18	
19	81	50	66	-1	44	0	1	0.00	0.0	29.730	25	6.7	8.3	15	26			0	1	19	
20	91*	52	72	5	55	0	7	0.00	0.0	29.840	21	9.2	9.6	16	22			2	2	20	
21	87	65	76	9	63	0	11	T	0.0	29.770	19	6.9	7.9	14	23			8	7	21	
22	77	61	69	1	60	0	4	0.01	0.0	29.790	06	5.2	8.4	14	03			9	8	22	
23	74	58	66	-2	59	0	1	0.39	0.0	29.675	06	6.7	9.4	16	03			10	10	23	
24	60	55	58	-10	54	7	0	0.89	0.0	29.660	02	10.3	10.9	17	02			10	10	24	
25	81	55	68	0	52	0	3	0.00	0.0	29.640	35	4.3	5.0	13	34			2	3	25	
26	88	51	70	1	54	0	5	0.00	0.0	29.680	25	3.5	4.8	13	29			2	1	26	
27	90	57	74	5	57	0	9	0.00	0.0	29.660	22	7.8	8.5	15	24			1	1	27	
28	89	63	76	7	61	0	11	0.05	0.0	29.580	23	6.5	8.9	24	28			9	8	28	
29	69	59	64	-5	58	1	0	T	0.0	29.770	02	7.5	8.5	14	01			10	10	29	
30	79	54	67	-3	55	0	2	0.00	0.0	29.840	14	3.9	6.1	10	19			6	6	30	
31	86	60	73	3	64	0	8	0.00	0.0	29.640	20	10.0	10.4	20	21			8	8	31	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM			
2487	1731					35	139			2.36	0.0	29.750	21	1.5	8.1	24	28			FOR 195	186
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.					DATE: 28	POSSIBLE	MONTH	AVG.	AVG.		
80.2	55.8	68.0	1.9	54.1	-30	-30	40	> .01 INCH.	8	-1.19								6.3	6.0		
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.		3592		257		THUNDERSTORMS		2		PRECIPITATION		SNOW, ICE PELLETS							
5 90°	2 32°	2 32°	2 0°	DEP.	DEP.	HEAVY FOG	0	0.94	23-24	0.0	0.0										
4	0	0	0	-368	145	CLEAR	10	PARTLY CLOUDY	3	CLOUDY	18										

\* 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.  
 SUNSHINE EQUIPMENT BEING RELOCATED.

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. Haden*  
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1985  
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND											
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	1/16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAY 1st																																
01	8	UNL	15		55	48	41	60	20	8	10	100	12		64	56	49	58	19	8	10	4	2		F	56	55	54	93	03	6	
04	5	UNL	15		53	49	45	74	19	7	8	250	12		64	58	53	68	22	8	10	6	2	8	RWF	53	51	50	90	35	13	
07	8	UNL	10		61	55	49	65	23	8	10	100	12		63	58	54	73	18	4	10	10	6		RF	48	47	45	89	35	12	
10	9	UNL	10		78	61	49	36	21	15	10	100	15		72	63	57	59	22	7	10	12	10			50	48	46	86	35	13	
13	8	UNL	10		87	63	46	24	22	13	10	100	15		75	64	57	54	19	8	10	21	15			55	50	44	67	01	17	
16	10	250	12		86	62	42	20	22	11	10	80	10		75	65	58	56	08	6	4	UNL	15			58	51	45	62	36	16	
19	7	UNL	12		74	58	44	34	19	7	10	4	1	8	RWF	61	59	58	90	01	8	0	UNL	15			57	50	43	60	08	6
22	8	250	12		65	55	46	50	19	6	10	5	3		58	57	56	93	04	7	0	UNL	15			45	44	42	89	00	0	
MAY 2nd																																
MAY 3rd																																
MAY 4th																																
MAY 5th																																
MAY 6th																																
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MAY 14th																																
MAY 15th																																
MAY 16th																																
MAY 17th																																
MAY 18th																																

## WEATHER CODES

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li>* TORNADO</li> <li>T THUNDERSTORM</li> <li>Q SQUALL</li> <li>R RAIN</li> <li>RM. RAIN SHOWERS</li> <li>ZR FREEZING RAIN</li> <li>L DRIZZLE</li> </ul> | <ul style="list-style-type: none"> <li>ZL FREEZING DRIZZLE</li> <li>S SNOW</li> <li>SW SNOW SHOWERS</li> <li>SG SNOW GRAINS</li> <li>SP SNOW PELLETS</li> <li>IC ICE CRYSTALS</li> <li>IP ICE PELLETS</li> </ul> | <ul style="list-style-type: none"> <li>IPW ICE PELLET SHOWERS</li> <li>A HAIL</li> <li>F FOG</li> <li>IF ICE FOG</li> <li>GF GROUND FOG</li> <li>BD BLOWING DUST</li> </ul> | <ul style="list-style-type: none"> <li>BN BLOWING SAND</li> <li>BS BLOWING SNOW</li> <li>BY BLOWING SPRAY</li> <li>K SMOKE</li> <li>H HAZE</li> <li>D DUST</li> </ul> |
|--|--|---|---|

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

MAY 1985 RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND												
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)											
MAY 19th																																	
01	4	UNL	10			57	49	40	53	29	6	0	UNL	10			56	53	50	80	16	4	0	UNL	8			65	62	59	81	19	6
04	0	UNL	10			51	47	42	72	26	4	0	UNL	8			53	51	49	86	20	3	3	UNL	8			66	63	61	84	20	9
07	0	UNL	15			58	51	44	60	28	9	0	UNL	10			62	57	53	73	21	5	10	6	3	FH	69	66	64	84	21	7	
10	0	UNL	15			69	54	40	35	24	11	0	UNL	15			81	67	59	47	21	9	10	17	6	H	77	69	65	67	19	8	
13	0	UNL	15			76	57	40	28	30	8	5	UNL	15			88	68	55	33	23	13	7	25	6	H	82	71	65	57	22	7	
16	0	UNL	15			80	59	41	25	26	6	5	UNL	12			87	67	55	34	19	13	5	UNL	6	H	83	71	64	53	19	8	
19	4	UNL	15			74	60	49	41	20	6	5	UNL	12			80	65	55	42	19	8	9	38	5	RWH	74	67	62	66	15	6	
22	0	UNL	15			61	55	50	67	15	3	2	UNL	8			74	65	60	62	20	11	10	80	7		69	64	61	76	17	6	
MAY 20th																																	
MAY 21st																																	
MAY 22nd																																	
MAY 23rd																																	
MAY 24th																																	
MAY 25th																																	
MAY 26th																																	
MAY 27th																																	
MAY 28th																																	
MAY 29th																																	
MAY 30th																																	
MAY 31st																																	

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	29.750	60	57	53	79	5.6	20	1.8
04	5	29.740	58	55	53	83	5.6	21	1.2
07	6	29.770	62	58	55	78	7.0	26	1.5
10	6	29.785	73	62	55	57	9.5	25	2.5
13	7	29.750	78	64	55	48	10.6	25	2.3
16	7	29.715	78	63	53	47	10.6	22	2.2
19	6	29.720	71	61	55	58	8.9	16	2.0
22	5	29.750	64	58	54	73	6.7	16	2.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1985  
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		0.03	0.03	0.20	0.07	0.08	0.03	0.03	T							T	0.06	0.29	T	T	T	T	03		
04																							04		
05																							05		
06																							06		
07																							07		
08																							08		
09																							09		
10																							10		
11																							11		
12																							12		
13																							13		
14																							14		
15																							15		
16																							16		
17			0.13			T		T	0.01							T	T				0.01	0.01	17		
18			0.01	0.01	T	T											T	0.02					18		
19																							19		
20																							20		
21																	T	T	T				21		
22																T						T	0.01	22	
23		0.02	0.06	0.18	T	0.03	0.05	T								T	T	T	0.04	T		0.01	T	23	
24	0.02	0.08	0.03	0.12	0.10	0.04	0.10	0.02	0.01	T	0.05	0.02	0.06	0.02	0.05	0.07	0.06	0.03	T	0.01	T	T	T	24	
25																								25	
26																								26	
27																								27	
28		T	T	T														0.05	T	T	T	T	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)	0.11	0.12	0.17	0.18	0.19	0.27	0.31	0.31	0.31	0.35	0.35	0.35
ENDED: DATE	17	23	23	23	23	02	02	02	02	02	02	03
ENDED: TIME	0228	0345	0345	0350	0356	1842	1842	1842	1842	1842	1842	0557

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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