

JAN 1985  
 RICHMOND, VIRGINIA  
 NAT'L WEATHER SER OFC  
 BOX A-63 BYRD 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

JAN 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		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	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT				
01	73*	45	59*	22	52	6	0	2	8	0	0.00	0.0	29.960	19	9.5	10.0	18	20	184	32	8	8	01
02	66	41	54	17	52	11	0	1		0	0.58	0.0	29.990	02	2.3	11.1	20	01	2	0	10	9	02
03	41	34	38	1	34	27	0	1		0	1.22	0.0	30.070	02	13.0	13.1	16	04	0	0	10	10	03
04	35	32	34	-3	31	31	0	1		0	0.29	0.0	29.610	01	6.1	9.3	13	22	0	0	10	10	04
05	45	28	37	0	28	28	0	1		0	0.09	T	29.680	31	9.6	10.3	21	31	442	76	5	5	05
06	51	23	37	0	24	28	0			0	0.00	0.0	29.960	20	6.8	7.2	14	23	581	100	1	2	06
07	53	32	43	6	27	22	0			0	0.00	0.0	29.600	24	8.9	10.9	16	26	314	54	7	7	07
08	47	29	38	1	20	27	0			0	0.00	0.0	29.760	30	8.7	11.6	16	01	378	65	6	3	08
09	34	22	28	-9	9	37	0			0	0.00	0.0	30.220	01	8.2	8.6	17	35	349	60	2	5	09
10	30	20	25	-12	19	40	0	1	6	0	0.13	1.2	30.180	04	4.7	5.2	8	03	0	0	10	9	10
11	33	24	29	-8	23	36	0	1	6	1	T	T	29.890	35	7.2	7.7	16	35	64	11	10	8	11
12	37	19	28	-9	12	37	0			0	0.00	0.0	29.930	30	9.9	11.0	15	30	588	100	0	0	12
13	41	26	34	-2	16	31	0			0	0.00	0.0	29.810	25	9.9	10.7	15	24	148	25	8	5	13
14	51	23	37	1	17	28	0			0	0.00	0.0	29.470	25	11.0	12.0	20	26	578	98	6	3	14
15	39	22	31	-5	6	34	0			0	0.00	0.0	29.740	31	13.0	14.1	20	31	586	99	1	1	15
16	35	15	25	-11	5	40	0			0	0.00	0.0	30.120	01	2.4	5.8	15	01	504	85	1	3	16
17	36	26	31	-5	27	34	0	1	4 6	2	0.26	2.6	29.560	20	6.5	7.5	14	19	0	0	10	9	17
18	41	31	36	0	30	29	0	2	8	1	T	T	29.440	21	2.5	4.1	12	24	105	18	10	10	18
19	47	32	40	4	24	25	0			0	0.00	0.0	29.400	25	10.9	11.4	20	27	273	46	6	7	19
20	37	-2	18	-18	1	47	0		9	T	0.21	4.2	29.645	33	11.2	15.0	24	32	196	33	8	6	20
21	15	-6*	5*	-31	-10	60	0			4	0.00	0.0	29.810	25	15.0	15.3	20	25	541	90	3	1	21
22	31	9	20	-16	6	45	0			4	0.00	0.0	29.770	26	12.3	12.6	21	26	602	100	1	1	22
23	42	11	27	-9	11	38	0			1	0.00	0.0	29.680	25	8.7	9.2	14	25	603	100	1	1	23
24	45	26	36	0	17	29	0			T	0.00	0.0	29.560	23	10.2	10.8	17	23	379	63	8	6	24
25	49	26	38	1	19	27	0			0	0.00	0.0	29.425	26	11.6	13.6	23	30	485	80	5	6	25
26	35	16	26	-11	5	39	0			0	T	T	29.850	31	12.9	13.3	21	33	609	100	1	2	26
27	45	14	30	-7	9	35	0			0	0.00	0.0	29.830	22	9.4	10.0	22	23	305	50	7	6	27
28	41	29	35	-2	24	30	0		8	T	0.02	0.2	29.710	02	1.6	6.2	9	02	213	35	9	9	28
29	41	23	32	-5	17	33	0			0	0.00	0.0	29.920	36	6.0	7.7	15	36	614	100	1	2	29
30	43	19	31	-6	24	34	0	1	8	0	0.00	0.0	30.010	15	3.6	4.6	9	21	275	45	10	7	30
31	38	33	36	-1	34	29	0	2	4 8	T	0.74	0.1	29.830	04	3.3	7.3	10	17	0	0	10	10	31
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM			
1297	722				997	0					3.54	8.3	29.790	28	4.5	9.9	24	32	9918	FOR	185	171	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION			DEP.						DATE: 20	POSSIBLE	MONTH	AVG.	AVG.		
41.8	23.3	32.6	-4.0	19.7	11.7	0		> .01 INCH.		9	0.31							18439	54	6.0	5.5		
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.		2204		0		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS									
> 90°		< 32°		< 32°		< 0°		HEAVY FOG		3		1.23		02-03		4.2 20							
0		3		27		2		-182		0		CLEAR 10		PARTLY CLOUDY 7		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 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.

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 DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

# OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1985  
RICHMOND, VIRGINIA 13740

HOUR	L.S.T.	SKY COVER (TENTHS)			VISI-BILITY	WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	SKY COVER (TENTHS)			VISI-BILITY	WEATHER	TEMPERATURE				WIND											
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE			AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF			WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					
JAN 1st																																			
01	10	2	0	8	F	46	45	44	93	15	4	7	250	15	10	10	10	4	62	59	57	84	19	11	10	10	4	RF	40	39	38	93	01	10	
04	10	0	0	4	F	46	46	45	96	18	6	3	UNL	15	10	10	10	6	60	58	57	90	18	9	10	12	5	RF	38	37	36	93	02	10	
07	10	0	0	2	F	47	47	46	96	16	7	10	50	12	10	10	10	6	60	58	57	90	18	6	10	10	5	RF	37	36	35	93	02	12	
10	10	2	0	8	F	51	51	51	100	27	3	10	40	12	10	10	10	3	65	62	60	84	20	10	10	9	2	8	RF	36	35	33	89	03	12
13	5	UNL	6		H	66	62	59	78	19	11	10	17	2					64	63	62	93	01	17	10	9	5	RF	35	34	33	92	02	12	
16	5	UNL	12			73	62	55	53	20	13	10	5	3					49	48	46	90	01	12	10	9	2	RF	34	34	33	96	03	12	
19	3	UNL	15			66	59	54	65	19	13	10	17	3					46	45	43	89	02	12	10	6	5	RF	34	33	31	89	02	12	
22	6	UNL	15			64	59	56	75	21	11	10	21	6					43	41	39	86	02	11	10	6	5	RF	34	33	31	89	02	11	
JAN 2nd																																			
JAN 3rd																																			
JAN 4th																																			
JAN 5th																																			
JAN 6th																																			
JAN 7th																																			
JAN 8th																																			
JAN 9th																																			
JAN 10th																																			
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JAN 13th																																			
JAN 14th																																			
JAN 15th																																			
JAN 16th																																			
JAN 17th																																			
JAN 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>RW 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

JAN 1985  
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	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)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)								
JAN 19th																														
01	7	50	7		38	34	29	70	24	8	6	90	10		35	30	20	54	19	5	0	UNL	15		-3	-4	19	45	27	13
04	10	45	7		36	33	29	76	22	5	10	45	10		33	29	22	64	21	4	0	UNL	15		-5	-6	-21	45	27	15
07	10	45	7		37	34	29	73	24	7	10	10	0	12 S	22	21	20	92	01	14	0	UNL	15		-5	-6	-19	50	26	14
10	10	50	7		40	36	30	68	25	6	10	8	0	8 S	13	12	10	88	01	13	6	UNL	15		0	-2	-14	51	24	15
13	3	UNL	10		47	38	23	39	24	14	10	9	7		13	10	0	56	33	17	0	UNL	15		8	6	-7	50	26	16
16	5	UNL	10		44	35	19	37	25	15	4	UNL	15		10	7	-13	34	32	21	0	UNL	15		15	11	-3	44	27	15
19	5	UNL	10		40	32	18	41	26	13	1	UNL	15		3	1	-18	36	29	13	0	UNL	15		12	9	-5	46	24	13
22	5	UNL	10		32	27	18	56	22	8	0	UNL	15		0	-2	-20	37	29	14	0	UNL	15		11	9	-2	55	25	12
JAN 20th																														
JAN 21st																														
JAN 22nd																														
JAN 23rd																														
JAN 24th																														
JAN 25th																														
JAN 26th																														
JAN 27th																														
JAN 28th																														
JAN 29th																														
JAN 30th																														
JAN 31st																														

## SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.795	30	27	19	66	9.0	27	4.1
04	6	29.800	28	26	20	72	8.8	27	3.9
07	6	29.805	27	25	19	74	8.6	29	3.2
10	6	29.830	32	29	21	65	10.3	28	4.3
13	6	29.765	38	32	21	54	12.5	28	6.3
16	6	29.750	39	33	20	50	11.8	29	6.9
19	4	29.780	33	29	19	59	8.9	28	3.8
22	5	29.790	31	27	19	62	9.3	29	3.8

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 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	0.01	0.01	0.01	0.03	0.01	0.07	0.09	0.09	0.10	0.06	0.04	0.02	0.11	0.03	T	0.06	0.13	0.05	0.07	0.02	0.02	T	0.02	0.06	03	
04	0.01	0.01	0.01	T	T				T	0.02	0.03	0.05	0.01	0.03	0.07	0.07	0.08	0.13	0.07	0.08	0.05	0.02	0.02	0.05	04	
05			0.01	0.02	0.06	T							0.08	0.03	T		T		T	0.01	0.03	0.01	T		05	
06																									06	
07																									07	
08																									08	
09																									09	
10												T	T	0.02	0.03	T	0.02	0.03	T	T	T	T	0.02	0.01	10	
11	T	T	T	T	T	T	T	T																	11	
12																									12	
13																									13	
14																									14	
15																									15	
16																									16	
17		T	T	0.01	0.06	0.05	0.05	0.02	0.05	0.01	T	0.01	T												17	
18										T	T														18	
19																									19	
20						T	0.06	0.05	0.04	0.04	0.01	0.01	T												20	
21																									21	
22																									22	
23																									23	
24																									24	
25																									25	
26				T																					26	
27																									27	
28			T	T	0.01	0.01	T	T																	28	
29																									29	
30																									30	
31			T	T	0.04	0.03	0.13	0.16	0.15	0.11	T	T	T	T	T	T	T				T	0.01	0.03	0.08	31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.06	0.07	0.10	0.14	0.18	0.23	0.30	0.32	0.37	0.40	0.44
ENDED: DATE	02	31	02	31	31	31	31	31	31	31	31	31
ENDED: TIME		1610	0810	1612	0815	0815	0815	0820	0820	0820	0820	0900

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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