

NOV 1985  
 RICHMOND, VIRGINIA  
 NAT'L WEA 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

NOV 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		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)	IN INCHES	ELEV. 177 FEET ABOVE M.S.L.	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE	
01	64	58	61	8	57	4	0	1	0	0.96	0.0	29.580	08	13.9	14.3	17	09			10	10	01	
02	62	56	59	6	52	4	0	1	0	0.24	0.0	29.640	05	11.9	12.1	15	05			10	10	02	
03	66	56	61	8	56	4	0	1	0	0.38	0.0	29.715	08	10.2	11.3	17	10			10	10	03	
04	67	55	61	9	56	4	0	1	0	1.69	0.0	29.430	12	13.4	15.0	23	13			10	9	04	
05	56	48	52	0	44	13	0	1	0	0.03	0.0	29.310	22	8.8	10.3	15	25			10	10	05	
06	68	46	57	5	43	8	0	0	0	0.00	0.0	29.570	29	5.7	7.5	15	29			4	4	06	
07	71	40	56	4	43	9	0	0	0	0.00	0.0	29.650	23	5.3	6.2	13	21			2	1	07	
08	60	40	50	-1	31	15	0	0	0	0.00	0.0	30.000	30	4.5	7.7	15	31			0	1	08	
09	67	38	53	2	33	12	0	0	0	0.00	0.0	30.160	19	8.2	8.4	18	19			6	4	09	
10	75	45	60	9	46	5	0	0	0	0.00	0.0	30.080	21	8.3	8.9	18	23			5	3	10	
11	78	50	64	14	49	1	0	0	0	0.00	0.0	30.110	20	3.5	5.0	8	20			8	7	11	
12	69	54	62	12	58	3	0	2	8	0	0.0	30.150	10	2.7	3.3	7	12			10	10	12	
13	78	59	69*	19	62	0	4	2	8	0	0.00	0.0	29.970	22	8.2	8.5	17	22			8	7	13
14	80*	55	68	19	59	0	3	1	0	0.00	0.0	29.950	21	6.5	7.2	15	21			7	6	14	
15	68	51	60	11	45	5	0	0	0	0.00	0.0	30.110	03	7.4	9.3	16	02			9	7	15	
16	53	48	51	2	46	14	0	1	0	0.13	0.0	30.130	03	2.9	6.6	9	05			10	10	16	
17	71	49	60	12	52	5	0	1	8	0	0.0	30.060	20	3.8	5.0	9	22			8	7	17	
18	69	45	57	9	48	8	0	2	8	0	0.00	0.0	30.220	11	2.7	3.5	10	14			9	8	18
19	74	50	62	14	58	3	0	1	8	0	0.00	0.0	30.175	17	3.4	4.0	9	17			7	6	19
20	76	60	68	20	63	0	3	2	0	0.23	0.0	30.040	21	8.0	9.2	17	22			10	8	20	
21	64	43	54	7	46	11	0	1	0	1.76	0.0	30.100	04	9.0	9.5	18	03			10	10	21	
22	45	39	42*	-5	41	23	0	1	0	0.47	0.0	29.880	01	9.9	10.4	13	35			10	10	22	
23	51	34*	43	-4	35	22	0	1	0	0.00	0.0	29.990	02	4.8	6.3	14	03			3	3	23	
24	61	35	48	2	38	17	0	1	0	0.00	0.0	30.010	15	1.1	3.8	8	01			5	5	24	
25	56	43	50	4	35	15	0	0	0	0.00	0.0	30.095	06	6.5	6.9	13	06			5	7	25	
26	69	40	55	9	48	10	0	0	0	0.00	0.0	29.870	22	6.5	7.8	14	22			9	8	26	
27	75	55	65	20	60	0	0	1	8	0	T	0.0	29.720	24	7.0	11.1	16	24			9	9	27
28	70	50	60	15	53	5	0	2	8	0	0.15	0.0	29.720	03	5.7	6.3	10	36			10	10	28
29	52	45	49	4	46	16	0	1	0	0.26	0.0	29.940	03	8.6	9.1	12	05			10	10	29	
30	48	44	46	2	45	19	0	1	0	0.69	0.0	29.900	35	10.4	10.7	16	34			10	10	30	
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
1963	1431				257	10				6.99	0.0	29.910	09	0.9	8.2	23	13						
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.				DEP.						DATE: 4	POSSIBLE			for	234	220	
65.4	47.7	56.6	7.7	48.2	-226	10				3.70										MONTH	AVG.	AVG.	
																					7.8	7.3	
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF															
MAXIMUM TEMP.		MINIMUM TEMP.		402		1654		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS									
5 90°	2 32°	2 32°	2 0°	DEP.	DEP.	HEAVY FOG	5	2.05	03-04	0.0													
0	0	0	0	-326	318	CLEAR	3	PARTLY CLOUDY	7	CLOUDY	20												

\* 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

NOV 1985  
RICHMOND, VIRGINIA 13740

HOUR	L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND		
			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)	AIR of	WET BULB of			DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					
NOV 19th																															
01	0	UNL	6		F	54	54	53	96	24	3	2	UNL	4	F	63	62	62	97	18	9	10	15	4	RF	64	63	63	97	04	3
04	3	UNL	5		F	53	53	53	100	00	0	0	UNL	6	F	62	61	61	97	19	6	10	12	6	RF	53	51	50	90	03	12
07	10	19	2		F	54	54	53	96	00	0	10	3	F	62	62	62	100	21	7	10	6	4	RF	49	49	48	96	02	12	
10	10	19	4		F	63	61	59	87	17	3	10	3	F	65	64	64	97	23	9	10	8	2	RF	47	46	45	93	04	10	
13	9	17	7		FH	71	66	62	73	22	6	8	UNL	8		73	67	64	74	22	11	10	8	2	RF	45	43	41	86	09	10
16	5	UNL	7			73	66	61	66	17	4	10	100	10		73	68	65	76	22	9	10	15	3	RF	43	42	41	93	07	8
19	3	UNL	6		H	62	60	59	90	14	4	10	90	14	R	68	66	65	90	19	9	10	15	4	RF	43	42	40	89	05	5
22	0	UNL	5		F	62	61	61	97	18	6	10	38	5	R	65	64	63	93	23	11	10	25	5	RF	45	44	42	89	05	4
NOV 20th																															
NOV 21st																															
NOV 22nd																															
NOV 23rd																															
NOV 24th																															
NOV 25th																															
NOV 26th																															
NOV 27th																															
NOV 28th																															
NOV 29th																															
NOV 30th																															

SUMMARY BY HOURS

HOUR	L.S.T.	SKY COVER (TENTHS)	AVERAGES				RESULTANT WIND		
			STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	
				AIR TEMP of	WET BULB of	DEW POINT of			
01	7	29.900	54	51	48	84	7.2	10	0.7
04	7	29.900	52	50	47	85	7.4	05	1.6
07	7	29.930	51	48	46	86	6.7	04	1.5
10	8	29.950	56	52	48	77	9.5	03	1.1
13	8	29.900	62	55	48	64	10.1	22	1.2
16	8	29.880	63	55	49	64	8.7	15	1.2
19	7	29.900	56	52	49	79	8.0	11	3.1
22	7	29.910	54	51	49	83	8.1	14	0.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

NOV 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	0.03	0.02	0.19	0.05	0.09	0.01	0.01	0.02	0.05	0.04	0.02	0.01	T	T	0.10	T	0.11	0.03	0.02	0.04	0.05	0.01	0.04	0.02	01	
02	0.04	0.06	0.03	0.02	0.02	0.02	0.01	T	T	T	0.02	0.01	T	T	T	T	T	0.01	T	T	T	T	T	0.01	02	
03	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	0.01	T	T	T	0.05	0.22	0.09	03	
04	0.44	0.27	0.17	0.13	0.13	0.12	0.17	T	T	T	T	0.01	T	T	T	T	0.05	T	0.03	0.18	T	T	T	T	04	
05			T	T	T			T	T			0.01	0.01	T	T	T	T	0.01	0.01						05	
06																										06
07																										07
08																										08
09																										09
10																										10
11																										11
12														T	T								T	T		12
13																										13
14																										14
15																										15
16																										16
17			T	T	T	T		T	0.01						T	T	T	0.03	0.04	0.03	0.01		0.01	T	17	
18																										18
19																										19
20																		T	T	T	T	0.06	0.09	0.08		20
21	0.02	0.20	0.25	0.05	0.10	0.02	0.07	0.08	0.06	0.17	0.10	0.08	0.09	0.03	0.07	0.11	0.06	0.03	0.03	T	T	0.01	0.07	0.06	21	
22	0.03	0.05	0.03	0.15	0.05	0.05	0.04	T	T	T	0.01	0.02	0.04	T	T	T	T	T	T	T	T				22	
23																										23
24																										24
25																										25
26																										26
27														T	T									T		27
28																										28
29		T	0.03	0.02	T			T	T						T	0.02	0.04	0.02	0.04	0.04	0.05	0.14	0.01	0.01	29	
30	0.01	0.01	0.01	T	0.01	0.03	0.04	0.10	0.10	0.01	0.09	0.10	0.03	0.03	0.03	0.01	0.01	0.02	0.01	0.04	T	T	T	T	30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.13	0.18	0.19	0.25	0.33	0.44	0.51	0.59	0.71	0.78	0.88
ENDED: DATE	04	04	04	04	04	04	04	04	04	04	04	04
ENDED: TIME	1922	1927	1928	1930	0102	0116	0059	0121	0139	0159	0221	0259

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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