

NOV 1987  
 RICHMOND, VA  
 NAT'L WEATHER SER OFC  
 BOX A-63, RICHMOND INT'L AIRPORT

ISSN 0198-537X



# LOCAL CLIMATOLOGICAL DATA Monthly Summary

R.E. BYRD INTERNATIONAL AP.

LATITUDE 37° 30' N LONGITUDE 77° 20' W 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 ISEASON BEGINS WITH JUL	COOLING ISEASON BEGINS WITH JAN			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
01	70	44	57	4	47	8	0	1	8	0	0.00	0.0	30.265	09	0.8	4.2	8	S	8	36	510	80	8	4
02	71	44	58	5	46	7	0	2	8	0	0.00	0.0	30.190	07	2.2	3.7	13	E	10	09	552	87	5	4
03	76	45	61	8	51	4	0	2	8	0	0.00	0.0	30.020	22	5.4	6.4	18	SW	12	20	570	90	3	2
04	81*	50	66	14	53	0	1	1		0	0.00	0.0	29.745	21	9.7	10.2	24	SW	18	23	590	94	5	6
05	77	47	62	10	42	3	0		8	0	0.00	0.0	29.610	32	6.9	11.1	33	N	23	36	531	84	4	4
06	56	29	43	-9	17	22	0			0	0.00	0.0	30.010	31	6.0	7.5	28	NW	18	31	627	100	0	0
07	68	27	48	-4	23	17	0		8	0	0.00	0.0	30.070	23	7.7	8.3	20	W	15	23	491	79	5	4
08	78	53	66	15	30	0	1		8	0	0.00	0.0	30.050	21	12.4	12.6	31	S	20	22	490	79	5	5
09	77	55	66*	15	51	0	1			0	0.00	0.0	29.970	21	10.3	10.9	26	SW	16	22	449	72	7	6
10	62	35	49	-2	46	16	0	1		0	0.95	0.0	29.800	02	11.0	14.0	36	NE	24	03	0	0	10	10
11	36	29	33	-17	30	32	0	1	4 6 9	0	0.71	4.5	29.735	34	14.1	14.9	28	N	18	33	0	0	10	10
12	49	20	35	-15	25	30	0			4	0.00	0.0	29.830	26	6.5	7.9	23	W	16	26	586	95	1	1
13	63	27	45	-5	29	20	0			0	0.00	0.0	29.830	21	6.2	6.9	17	SW	12	22	572	93	1	1
14	69	36	53	4	33	12	0			0	0.00	0.0	29.950	25	1.7	3.3	12	W	9	27	578	94	8	5
15	66	34	50	1	31	15	0	1		0	0.00	0.0	30.255	08	4.7	5.6	14	E	10	10	610	100	3	2
16	68	38	53	4	47	12	0	2		0	0.00	0.0	30.290	06	4.8	6.6	15	E	10	09	468	77	6	4
17	73	50	62	14	58	3	0	1		0	0.01	0.0	29.990	17	12.2	13.4	31	S	23	19	449	74	10	9
18	71	50	61	13	48	4	0			0	0.00	0.0	29.940	26	8.3	11.0	29	SW	18	22	540	89	5	6
19	55	40	48	0	35	17	0			0	0.05	0.0	30.030	07	2.5	6.6	16	N	12	03	458	76	8	7
20	55	34	45	-3	32	20	0	1		0	T	0.0	29.630	30	10.1	12.0	33	NW	18	31	433	72	8	7
21	35	23	29*	-18	9	36	0			0	0.00	0.0	29.870	32	15.4	16.0	41	NW	26	32	570	95	1	1
22	42	20*	31	-16	10	34	0			0	0.00	0.0	30.140	29	2.7	5.8	15	W	9	34	599	100	0	0
23	61	27	44	-3	24	21	0			0	0.00	0.0	30.140	20	10.6	10.9	28	S	18	23	597	100	2	1
24	71	47	59	13	41	6	0			0	0.00	0.0	30.180	19	7.5	7.8	18	S	15	20	547	92	3	3
25	70	44	57	11	48	8	0	1	8	0	0.00	0.0	30.135	18	6.3	6.6	22	S	16	18	453	76	9	6
26	71	47	59	13	55	6	0	1		0	0.02	0.0	30.040	16	2.6	5.3	17	NE	14	04	249	42	10	8
27	57	43	50	5	45	15	0	1		0	0.27	0.0	30.140	03	11.3	11.5	23	NE	15	06	0	0	10	10
28	52	42	47	2	46	18	0	1		0	0.42	0.0	29.990	03	10.8	11.6	22	NE	15	05	0	0	10	10
29	67	52	60	15	57	5	0	1		0	0.70	0.0	29.580	12	3.0	10.3	22	W	16	28	39	7	10	10
30	54	40	47	3	42	18	0	1		0	T	0.0	29.410	36	6.1	8.4	21	NE	13	35	24	4	10	8
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
1901	1172					409	3			3.13	4.5	29.960	26	1.7	9.0	41	NW	26	32	12582	FOR	177	154	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.										POSSIBLE	MONTH	AVG.	AVG.	
63.4	39.1	51.3	2.4	38.3	-7.4	3		≥ .01 INCH		8	-0.16								18316	69	5.9	5.1		
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.		78.4	16.37	THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°		≤ 32°		8	0	HEAVY FOG		3		1.06	10-11	4.5	11	5 12+										
0		0		8	0	CLEAR		9		PARTLY CLOUDY		8		CLOUDY 13										

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † 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. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: 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). ERRORS WILL BE CORRECTED 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

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Wadsworth*  
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1987  
RICHMOND, VA

13740

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			VISI-BILITY				TEMPERATURE				WIND												
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
NOV 1st																																
01	0	UNL	5	F	48	48	47	96	02	4	0	UNL	7	F	46	46	45	96	00	0	0	0	UNL	7	F	47	47	46	96	01	3	
04	0	UNL	3	F	47	47	46	96	36	5	10	0	0	F	46	46	46	100	00	0	0	0	UNL	6	F	45	45	44	96	00	0	
07	6	UNL	0	12	45	45	45	100	01	3	10	0	0	1	46	46	46	100	00	0	0	0	UNL	2	F	45	45	44	96	32	3	
10	10	UNL	7	F	59	54	49	70	16	4	8	UNL	2	F	53	52	51	93	35	4	4	0	UNL	3	F	60	56	53	78	22	7	
13	8	UNL	7	F	68	56	46	45	20	3	4	UNL	8	F	69	55	43	39	04	6	6	0	UNL	8	F	73	61	53	50	22	10	
16	8	UNL	8	F	69	57	47	46	15	4	0	UNL	8	F	69	57	47	46	08	8	8	3	UNL	8	F	74	62	54	50	20	10	
19	2	UNL	8	F	55	51	47	75	14	4	0	UNL	8	F	57	52	47	69	11	5	5	0	UNL	8	F	63	58	54	73	20	6	
22	0	UNL	10	F	50	49	47	90	00	0	0	UNL	8	F	51	49	47	86	00	0	0	3	UNL	8	F	56	54	53	90	21	5	
NOV 2nd																																
01	0	UNL	7	F	46	46	45	96	00	0	0	UNL	7	F	46	46	45	96	00	0	0	0	UNL	7	F	47	47	46	96	01	3	
04	0	UNL	3	F	47	47	46	96	36	5	10	0	0	1	46	46	46	100	00	0	0	0	UNL	6	F	45	45	44	96	32	3	
07	6	UNL	0	12	45	45	45	100	01	3	10	0	0	1	46	46	46	100	00	0	0	0	UNL	2	F	45	45	44	96	32	3	
10	10	UNL	7	F	59	54	49	70	16	4	8	UNL	2	F	53	52	51	93	35	4	4	0	UNL	3	F	60	56	53	78	22	7	
13	8	UNL	7	F	68	56	46	45	20	3	4	UNL	8	F	69	55	43	39	04	6	6	0	UNL	8	F	73	61	53	50	22	10	
16	8	UNL	8	F	69	57	47	46	15	4	0	UNL	8	F	69	57	47	46	08	8	8	3	UNL	8	F	74	62	54	50	20	10	
19	2	UNL	8	F	55	51	47	75	14	4	0	UNL	8	F	57	52	47	69	11	5	5	0	UNL	8	F	63	58	54	73	20	6	
22	0	UNL	10	F	50	49	47	90	00	0	0	UNL	8	F	51	49	47	86	00	0	0	3	UNL	8	F	56	54	53	90	21	5	
NOV 3rd																																
01	0	UNL	7	F	46	46	45	96	00	0	0	UNL	7	F	46	46	45	96	00	0	0	0	UNL	7	F	47	47	46	96	01	3	
04	0	UNL	3	F	47	47	46	96	36	5	10	0	0	1	46	46	46	100	00	0	0	0	UNL	6	F	45	45	44	96	32	3	
07	6	UNL	0	12	45	45	45	100	01	3	10	0	0	1	46	46	46	100	00	0	0	0	UNL	2	F	45	45	44	96	32	3	
10	10	UNL	7	F	59	54	49	70	16	4	8	UNL	2	F	53	52	51	93	35	4	4	0	UNL	3	F	60	56	53	78	22	7	
13	8	UNL	7	F	68	56	46	45	20	3	4	UNL	8	F	69	55	43	39	04	6	6	0	UNL	8	F	73	61	53	50	22	10	
16	8	UNL	8	F	69	57	47	46	15	4	0	UNL	8	F	69	57	47	46	08	8	8	3	UNL	8	F	74	62	54	50	20	10	
19	2	UNL	8	F	55	51	47	75	14	4	0	UNL	8	F	57	52	47	69	11	5	5	0	UNL	8	F	63	58	54	73	20	6	
22	0	UNL	10	F	50	49	47	90	00	0	0	UNL	8	F	51	49	47	86	00	0	0	3	UNL	8	F	56	54	53	90	21	5	
NOV 4th																																
01	7	UNL	5	F	53	53	52	96	18	5	10	250	7	H	60	57	54	81	21	7	7	0	UNL	15	F	48	37	20	33	32	12	
04	7	UNL	5	F	52	52	52	100	21	6	10	250	7	H	60	57	54	81	21	6	6	0	UNL	15	F	48	33	20	45	04	3	
07	2	UNL	4	F	52	52	51	96	21	6	10	250	7	H	57	55	53	87	20	5	5	0	UNL	15	F	48	37	20	45	04	3	
10	4	UNL	7	F	69	62	57	66	23	11	5	UNL	6	H	71	60	52	51	28	9	9	0	UNL	15	F	48	36	13	24	33	12	
13	3	UNL	10	F	79	64	54	42	23	14	3	UNL	5	H	73	59	48	41	36	17	17	0	UNL	15	F	52	38	11	19	30	14	
16	8	UNL	10	F	79	63	52	39	21	12	0	UNL	10	H	66	52	37	34	36	16	16	0	UNL	15	F	55	39	12	18	28	10	
19	10	UNL	10	F	66	59	53	63	20	9	0	UNL	15	H	55	44	29	37	36	9	9	0	UNL	15	F	43	34	18	37	00	10	
22	10	250	7	F	61	57	53	75	20	8	0	UNL	15	H	50	39	22	33	33	8	8	0	UNL	15	F	30	27	20	66	18	3	
NOV 5th																																
01	7	UNL	5	F	53	53	52	96	18	5	10	250	7	H	60	57	54	81	21	7	7	0	UNL	15	F	48	37	20	33	32	12	
04	7	UNL	5	F	52	52	52	100	21	6	10	250	7	H	60	57	54	81	21	6	6	0	UNL	15	F	48	33	20	45	04	3	
07	2	UNL	4	F	52	52	51	96	21	6	10	250	7	H	57	55	53	87	20	5	5	0	UNL	15	F	48	37	20	45	04	3	
10	4	UNL	7	F	69	62	57	66	23	11	5	UNL	6	H	71	60	52	51	28	9	9	0	UNL	15	F	48	36	13	24	33	12	
13	3	UNL	10	F	79	64	54	42	23	14	3	UNL	5	H	73	59	48	41	36	17	17	0	UNL	15	F	52	38	11	19	30	14	
16	8	UNL	10	F	79	63	52	39	21	12	0	UNL	10	H	66	52	37	34	36	16	16	0	UNL	15	F	55	39	12	18	28	10	
19	10	UNL	10	F	66	59	53	63	20	9	0	UNL	15	H	55	44	29	37	36	9	9	0	UNL	15	F	43	34	18	37	00	10	
22	10	250	7	F	61	57	53	75	20	8	0	UNL	15	H	50	39	22	33	33	8	8	0	UNL	15	F	30	27	20	66	18	3	
NOV 6th																																
01	7	UNL	5	F	53	53	52	96	18	5	10	250	7	H	60	57	54	81	21	7	7	0	UNL	15	F	48	37	20	33	32	12	
04	7	UNL	5	F	52	52	52	100	21	6	10	250	7	H	60	57	54	81	21	6	6	0	UNL	15	F	48	33	20	45	04	3	
07	2	UNL	4	F	52	52	51	96	21	6	10	250	7	H	57	55	53	87	20	5	5	0	UNL	15	F	48	37	20	45	04	3	
10	4	UNL	7	F	69	62	57	66	23	11	5	UNL	6	H	71	60	52	51	28	9	9	0	UNL	15	F	48	36	13	24	33	12	
13	3	UNL	10	F	79	64	54	42	23	14	3	UNL	5	H	73	59	48	41	36	17	17	0	UNL	15	F	52	38	11	19	30	14	
16	8	UNL	10	F	79	63	52	39	21	12	0	UNL	10	H	66	52	37	34	36	16	16	0	UNL	15	F	55	39	12	18	28	10	
19	10	UNL	10	F	66	59	53	63	20	9	0	UNL	15	H	55	44	29	37	36	9	9	0	UNL	15	F	43	34	18	37	00	10	
22	10	250	7	F	61	57	53	75	20	8	0	UNL	15	H	50	39	22	33	33	8	8	0	UNL	15	F	30	27	20	66	18	3	
NOV 7th																																
01	0	UNL	15	K	30	27	20	66	00	0	9	95	5	HK	56	44	29	36	23	7	7	0	UNL	10	F	59	47	32	36	20	12	
04	0	UNL	15	K	30	27	22	72	25	4	10	110	6	HK	56	44	27	33	23	8	8	0	UNL	10	F	56	53	51	83	20	10	
07	7	120	2	8	34	30	24	67	20	5	9	110	7	HK	55	43	27	34	22	8	8	6	130	10	F	57	55	53	87	21	9	
10	5	UNL	1	8	54	40	17	23	27	7	7	110	8	HK	65	48	28	25	23	11	11	8	250	10	F	69	60	54	59	23	14	
13	6	90	2	8	64	45	18	17	26	11	4	UNL	8	HK	77	55	31	19	22	15	15	7	250	10	F	77	63	53	43	22	13	

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1987  
RICHMOND, VA 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	AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		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)																																																															
NOV 19th																																NOV 20th																																NOV 21st																															
01	0	UNL	10		49	42	33	54	03	10	10	38	7	R	45	44	43	93	17	5	1	UNL	10				33	28	18	54	32	13																																																															
04	0	UNL	10		44	40	34	68	01	9	7	40	7		45	43	41	86	29	9	3	UNL	10				31	26	15	52	32	13																																																															
07	10	UNL	10		41	37	32	70	01	6	6	45	7		42	41	40	93	25	8	1	UNL	10				30	24	9	41	31	18																																																															
10	3	UNL	10		50	42	31	48	07	8	7	90	7		47	43	38	71	33	6	4	UNL	10				32	26	11	42	31	23																																																															
13	9	250	10		54	44	32	43	19	4	10	55	8		51	41	28	41	31	13	2	UNL	15				34	25	3	27	31	18																																																															
16	10	200	10		52	45	36	55	19	7	9	80	8		48	39	26	42	29	14	0	UNL	15				34	25	2	26	33	19																																																															
19	10	100	7		48	43	38	69	15	5	5	UNL	7		43	35	23	45	30	13	0	UNL	15				29	23	7	39	34	13																																																															
22	10	100	7	R	47	43	39	74	15	4	8	80	7		37	32	22	55	32	14	0	UNL	15				26	21	7	44	29	5																																																															
NOV 22nd																																NOV 23rd																																NOV 24th																															
01	0	UNL	15		26	21	6	42	26	4	0	UNL	15		28	24	15	58	18	6	3	UNL	15				48	41	31	52	20	13																																																															
04	0	UNL	15		25	20	8	48	30	7	0	UNL	15		29	24	13	51	18	5	8	120	15				48	41	32	54	20	11																																																															
07	0	UNL	15		25	20	6	44	33	4	0	UNL	15		28	24	14	56	18	6	9	120	15				48	45	41	77	18	7																																																															
10	0	UNL	15		33	26	9	37	34	8	1	UNL	15		47	37	22	37	20	12	3	UNL	10				57	49	40	53	24	7																																																															
13	0	UNL	15		38	29	8	29	34	4	2	UNL	15		59	45	27	30	21	16	2	UNL	10				68	56	45	44	20	7																																																															
16	0	UNL	15		42	31	7	23	30	5	4	UNL	15		60	47	30	32	21	14	1	UNL	10				69	56	45	42	17	7																																																															
19	0	UNL	15		30	25	14	51	14	3	0	UNL	15		48	41	32	54	18	7	0	UNL	10				54	50	45	72	14	3																																																															
22	0	UNL	15		28	24	16	61	16	4	0	UNL	15		45	40	32	61	20	9	0	UNL	10				51	47	43	74	18	5																																																															
NOV 25th																																NOV 26th																																NOV 27th																															
01	0	UNL	10		49	48	46	90	17	3	3	UNL	7		52	51	50	93	18	8	10	17	5		RF	56	55	54	93	03	10																																																																
04	1	UNL	7		48	47	45	89	18	5	3	UNL	6		50	50	50	100	20	3	10	11	4		RF	49	49	48	96	04	11																																																																
07	4	UNL	5	F	45	45	44	96	17	4	9	200	0	12	48	48	48	100	14	3	10	7	4		RF	45	45	44	96	03	11																																																																
10	9	UNL	7		55	52	49	80	20	7	10	250	6		62	59	57	84	24	6	10	4	2		LF	44	44	44	100	05	10																																																																
13	9	250	10		68	59	51	55	21	10	10	250	10		70	63	58	66	20	5	10	5	2		LF	44	44	43	96	03	11																																																																
16	10	250	10		68	58	50	53	18	12	10	70	10		69	63	59	71	14	3	10	4	1	8	LF	44	44	44	100	04	9																																																																
19	7	250	10		55	52	49	80	18	5	10	70	7		62	60	58	87	13	4	10	4	1		RLF	44	44	44	100	02	9																																																																
22	3	UNL	10		56	53	50	80	00	0	10	60	7	R	60	59	58	93	14	3	10	5	1	12	F	44	44	43	96	03	10																																																																
NOV 28th																																NOV 29th																																NOV 30th																															
01	10	4	1	12	RF	44	44	43	96	02	9	10	3	6	LF	53	52	51	93	06	11	2	UNL	8			53	53	52	96	26	6																																																															
04	10	4	2	8	F	42	41	39	89	36	13	10	3	6	LF	55	55	54	97	07	12	3	UNL	5		F	46	46	46	100	24	5																																																															
07	10	4	2	4	RF	42	41	40	93	01	11	10	3	7	LF	57	57	57	100	07	11	10	3	3			49	49	49	100	36	8																																																															
10	10	1	2		LF	45	45	44	96	04	10	10	5	2	RF	62	61	61	97	13	13	10	14	8			50	48	46	86	04	10																																																															
13	10	2	2		LF	48	48	47	96	03	9	10	6	7		66	65	65	97	16	10	10	30	10			49	45	41	74	02	7																																																															
16	10	3	1		RLF	50	50	49	96	05	10	10	3	0	12	RWF	58	57	57	97	27	10	10	40	10			49	44	39	69	35	11																																																														
19	10	4	1		RLF	51	51	50	96	05	7	10	20	6	F	58	57	57	97	26	7	10	40	8			47	43	37	68	36	5																																																															
22	10	5	7			52	52	51	96	05	13	10	1	2	F	54	54	53	96	26	7	8	45	8			44	39	32	63	02	10																																																															

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP of	WET BULB of	DEW POINT of				
01	4	29.980	46	43	38	76	8.1	25	1.5
04	4	29.970	44	42	38	81	7.7	29	1.1
07	6	29.990	43	41	38	83	7.4	30	1.1
10	6	30.000	53	47	40	65	10.3	29	2.3
13	6	29.945	60	50	38	51	11.7	27	3.6
16	6	29.920	60	50	38	50	11.6	25	3.1
19	5	29.950	51	46	39	65	8.2	22	0.7
22	5	29.960	48	43	38	72	7.8	26	1.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

NOV 1987  
RICHMOND, VA

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																									06
07																									07
08																									08
09																									09
10				0.01		T			0.10	0.10	0.05	0.30	0.22	0.02	0.02	0.02	T	T	0.01	T	0.10	T	T	T	10
11	T	0.01	0.01	0.09	0.01	T	T	T	0.01	0.11	0.08	0.06	0.08	0.09	0.08	0.04	0.02	0.01	0.01	T	T				11
12																									12
13																									13
14																									14
15																									15
16																									16
17		T	T										T		T	T	0.01	T		T	T	T	T	T	17
18																									18
19																									19
20	T	T	T											T									0.03	0.02	20
21																									21
22																									22
23																									23
24																									24
25																									25
26																									26
27	0.02	0.04	0.01	0.01	0.01	0.01	0.01	0.01	T	0.01	T	T	0.01	T	T	0.01	0.02	0.01	0.04	0.01	0.01	T	T	0.02	27
28	0.03	T	0.01	T	T	T	0.05	0.01	T	0.01	0.02	0.01	T	0.01	0.07	0.11	0.04	0.03	0.01	T	0.01	T	0.01	0.02	28
29	T	0.02	0.01	0.01	0.23	0.02	0.01	T	T	0.02	T	T	T	0.01	T	0.06	0.26	0.06	T	T	0.01	T	T	T	29
30	T																								30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.05	0.09	0.12	0.15	0.19	0.27	0.34	0.41	0.48	0.54	0.56	0.58
ENDED: DATE	10	10	10	10	10	10	10	10	10	10	10	10
ENDED: TIME	1210	1208	1212	1215	1228	1228	1233	1241	1249	1249	1249	1237

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.

VALIDATED BY:  
DICK WOLF

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