

JAN 1988
 RICHMOND, VA
 NAT'L WEA 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

JAN 1988
 RICHMOND, VA

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 DEN POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON 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	57	44	51	14	44	14	0		0	0.05	0.0	30.065	23	7.6	10.7	24	SW	17	21	0	0	10	10
02	44	26	35	-2	12	30	0		0	0.00	0.0	30.320	03	9.1	9.5	21	N	14	02	380	66	9	10
03	33	23	28	-9	21	37	0	1 4 6	0	0.41	0.6	30.210	03	6.8	7.5	16	N	13	02	0	0	10	10
04	44	29	37	0	27	28	0	1 4 6 8	1	0.03	T	29.895	28	7.0	10.2	26	NW	15	31	380	66	9	9
05	34	17	26	-11	1	39	0		0	0.00	0.0	30.170	31	11.1	11.9	26	NW	20	31	403	69	9	7
06	25	12	19	-18	0	46	0		0	0.00	0.0	30.340	34	7.4	8.5	20	NW	15	02	581	100	4	2
07	25	12	19	-18	7	46	0	1	0	0.26	4.5	30.420	03	9.8	10.4	18	NE	14	03	40	7	10	8
08	29	19	24	-13	21	41	0	1 4 6	6	0.26	3.0	29.920	35	13.2	13.8	28	N	23	01	20	3	10	10
09	32	16	24	-13	18	41	0	1 6	5	0.00	0.0	30.060	01	3.5	4.2	18	NE	14	04	295	50	10	7
10	31	13	22	-15	12	43	0	1 6	4	0.00	0.0	30.230	02	7.1	7.5	17	N	12	34	570	97	0	1
11	37	10	24	-13	12	41	0	1 6	3	0.00	0.0	30.230	36	4.6	5.3	14	N	12	03	539	92	1	1
12	39	4*	22	-15	14	43	0	1 6 8	3	0.00	0.0	30.110	19	5.2	6.1	14	S	13	19	539	92	7	4
13	46	26	36	0	22	29	0		2	T	0.0	29.910	25	5.9	12.8	30	N	23	35	376	64	9	7
14	26	16	21	-15	5	44	0		1	0.00	0.0	30.350	03	10.5	11.6	28	NE	17	02	539	91	2	3
15	30	8	19*	-17	5	46	0		1	0.00	0.0	30.290	02	2.9	3.5	10	NW	7	33	512	86	7	5
16	42	6	24	-12	13	41	0	8	1	0.00	0.0	30.240	17	4.9	5.3	12	SE	9	18	555	94	0	0
17	48	24	36	0	21	29	0	1	1	0.21	0.0	30.110	17	6.6	7.9	15	S	13	16	275	46	9	9
18	59	37	48	12	42	17	0	2	0	0.10	0.0	29.860	21	6.7	8.2	16	S	14	16	280	47	8	8
19	44	31	38	2	35	27	0		0	0.10	0.0	30.020	06	4.7	6.1	16	NE	13	08	104	17	10	8
20	48	37	43	7	40	22	0	2	0	0.60	0.0	29.660	25	2.5	8.3	14	SW	12	19	61	10	10	10
21	54	40	47	11	42	18	0	2 8	0	0.00	0.0	29.635	34	1.9	7.9	22	NE	15	03	473	79	10	9
22	42	36	39	3	29	26	0	8	0	T	0.0	29.810	02	3.3	7.0	21	N	13	01	78	13	10	10
23	47	25	36	0	22	29	0		0	0.00	0.0	29.810	25	6.1	8.1	28	W	20	24	492	82	6	4
24	54	25	40	4	25	25	0		0	0.00	0.0	29.870	19	10.3	11.1	28	SW	21	21	540	89	5	5
25	44	34	39	2	34	26	0	1	0	0.45	T	29.620	32	1.3	8.0	16	S	12	28	0	0	10	10
26	35	21	28	-9	13	37	0	1	0	0.00	0.0	29.790	28	15.3	15.8	37	W	22	29	604	99	2	3
27	34	14	24	-13	11	41	0		0	0.00	0.0	30.230	27	3.7	5.9	16	W	12	31	552	90	2	1
28	39	16	28	-9	15	37	0		0	0.00	0.0	30.370	28	2.8	6.0	23	W	16	27	589	96	3	1
29	43	17	30	-7	20	35	0		0	0.00	0.0	30.430	14	5.3	6.4	16	S	10	17	584	95	3	1
30	63	30	47	10	31	18	0		0	0.00	0.0	30.240	20	12.8	13.1	25	SW	17	22	553	90	8	7
31	66*	40	53*	16	44	12	0		0	0.00	0.0	30.210	21	12.5	12.9	26	S	18	21	543	88	8	7
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:								TOTAL	%	SUM	SUM
1294	708				1008	0				2.53	8.1	30.080	29	1.6	8.7	37	W	23	35	11457	FOR	211	187
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.							DATE: 26	DATE: 13+	POSSIBLE	MONTH	AVG.	AVG.	
41.7	22.8	32.3	-4.3	21.2	128	0		≥ .01 INCH	10	-0.70										18439	62	6.8	6.0
NUMBER OF DAYS						SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF									
MAXIMUM TEMP.						TOTAL	≥ 1.0 INCH	PRECIPITATION						SNOW, ICE PELLETS									
MINIMUM TEMP.						2469	0	0.76 19-20						7.5 07-08									
≥ 90°						0	7	24						0									
≤ 32°						83	0	CLEAR 8						PARTLY CLOUDY 5									
≤ 32°																							
≤ 0°																							

* 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

JAN 1988
RICHMOND, VA

13740

HOUR	L. S. T.	VISI-BILITY				TEMPERATURE				WIND			VISI-BILITY				TEMPERATURE				WIND																						
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET 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	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																				
JAN 1st																						JAN 2nd											JAN 3rd										
01	10	100	10			51	47	42	72	21	15	10	45	10			43	38	31	63	35	8	10	UNL	10			25	22	15	66	02	3										
04	10	70	10		R	53	49	45	74	21	14	10	80	10			39	32	17	41	03	12	10	UNL	10			24	21	15	69	03	4										
07	10	55	10			53	50	47	80	21	12	10	120	10			35	29	17	48	01	12	10	UNL	10			27	23	14	58	06	6										
10	10	45	7			54	51	49	83	22	13	10	200	10			34	27	12	40	02	8	10	120	10			30	26	18	61	05	7										
13	10	33	7		R	56	53	50	80	24	11	9	200	10			37	28	6	27	04	11	10	45	6		IP	33	28	16	50	06	5										
16	10	25	7		RW	54	47	39	57	30	11	8	UNL	10			37	27	2	23	36	7	10	35	2		IP	30	29	27	89	01	8										
19	10	25	7			48	46	44	86	27	5	10	UNL	10			30	24	10	43	04	5	10	6	2		ZRF	31	31	30	96	03	10										
22	10	33	7		R	46	42	38	74	03	8	10	UNL	10			27	22	9	47	07	5	10	5	4		ZRF	31	31	30	96	01	8										
JAN 4th											JAN 5th											JAN 6th																					
01	10	4	5		ZLF	30	30	29	96	32	8	7	UNL	9			33	26	9	37	30	11	0	UNL	10			16	13	1	51	01	7										
04	10	4	3		ZLF	30	30	29	96	01	6	9	UNL	10			30	23	6	36	31	17	0	UNL	10			13	11	2	61	36	6										
07	10	5	6		F	30	30	29	96	34	5	7	UNL	10			26	20	2	35	32	9	3	UNL	10			14	11	-1	51	34	7										
10	10	4	5		F	32	32	31	96	23	7	8	UNL	10			27	20	0	31	30	11	7	UNL	10			18	13	-5	36	30	8										
13	10	4	5		H	35	34	32	89	22	10	10	250	10			28	21	-3	26	31	15	4	UNL	10			23	17	-4	30	35	8										
16	8	UNL	8			44	38	30	58	24	11	10	250	10			26	19	-5	25	28	13	3	UNL	10			24	18	-3	30	34	11										
19	10	UNL	8			41	35	26	55	26	11	5	UNL	10			25	19	-4	28	31	8	0	UNL	10			18	15	4	54	35	5										
22	10	80	8			37	31	20	50	27	8	0	UNL	10			19	15	4	52	27	3	0	UNL	10			17	14	1	49	01	10										
JAN 7th											JAN 8th											JAN 9th																					
01	0	UNL	10			14	11	-1	51	01	12	10	1	0	8	SF	19	18	17	92	02	10	8	65	8			26	24	20	78	33	4										
04	2	UNL	12			12	10	0	58	01	8	10	2	0	8	IPSF	19	18	16	88	01	20	0	UNL	7			18	17	16	92	00	0										
07	8	UNL	10			14	11	1	56	02	7	10	15	2		SF	20	19	18	92	36	16	6	UNL	5		F	19	18	17	92	00	0										
10	10	250	10			18	15	3	52	05	11	10	8	2		ZLSF	21	20	19	92	36	15	10	250	6			25	23	18	75	00	0										
13	10	80	10			21	17	3	46	04	10	10	11	7			25	24	22	88	35	13	10	UNL	7			29	26	18	64	01	9										
16	10	8	1		S	20	18	12	71	05	8	10	15	7			29	27	24	82	35	14	10	250	7			30	27	20	66	01	5										
19	10	2	0		SF	19	18	17	92	04	8	10	15	7			29	27	24	82	32	7	10	UNL	7			27	24	18	69	04	3										
22	10	2	0		SF	18	17	16	92	03	12	10	70	7			28	26	23	82	33	8	3	UNL	7			19	19	18	96	00	0										
JAN 10th											JAN 11th											JAN 12th																					
01	1	UNL	6		F	17	17	16	96	00	0	0	UNL	7			12	11	9	88	34	4	0	UNL	7			15	14	12	88	31	4										
04	2	UNL	6		F	15	15	13	92	01	9	0	UNL	7			14	13	10	84	36	7	0	UNL	5		F	10	10	8	92	30	4										
07	3	UNL	7			16	15	11	81	01	8	0	UNL	7			12	12	10	92	35	7	1	UNL	4		F	5	4	2	87	00	0										
10	0	UNL	8			23	20	12	63	01	10	1	UNL	8			22	20	15	74	03	10	3	UNL	2		FH	24	22	18	78	21	4										
13	0	UNL	10			29	24	13	51	01	8	3	UNL	15			34	27	13	42	33	4	10	UNL	5		H	37	31	18	46	20	8										
16	0	UNL	10			31	25	12	45	01	8	2	UNL	15			35	28	13	40	02	3	8	UNL	6		H	37	31	20	50	18	9										
19	0	UNL	7			23	20	11	60	03	7	1	UNL	15			24	21	14	66	00	0	4	UNL	8			31	27	17	56	18	9										
22	0	UNL	7			15	14	11	84	13	3	0	UNL	8			19	18	14	81	00	0	3	UNL	8			27	23	15	61	20	9										
JAN 13th											JAN 14th											JAN 15th																					
01	5	UNL	10			30	26	17	58	19	10	1	UNL	10			24	20	11	58	36	9	8	100	10			16	13	4	59	00	0										
04	10	90	10			31	27	20	64	19	8	0	UNL	10			22	18	7	52	01	12	8	UNL	10			13	11	4	67	01	6										
07	8	70	8			36	31	22	57	21	12	0	UNL	10			19	16	5	54	02	13	5	UNL	10			9	8	2	73	02	6										
10	10	65	7			39	34	25	57	23	12	0	UNL	10			21	17	5	50	02	15	9	250	10			15	13	5	64	02	6										
13	10	110	7			40	37	32	73	22	10	0	UNL	10			25	20	6	44	02	12	9	250	10			24	19	4	42	36	3										
16	8	70	7			45	40	33	63	25	8	5	UNL	10			24	19	4	42	06	11	0	UNL	10			27	21	6	41	33	6										
19	0	UNL	8			36	30	18	48	36	13	4	UNL	10			20	16	1	43	05	7	0	UNL	10			19	16	7	59	11	4										
22	0	UNL	9			28	23	12	51	34	9	6	UNL	10			17	14	3	54	09	7	0	UNL	10			14	13	8	77	00	0										
JAN 16th											JAN 17th											JAN 18th																					
01	0	UNL	10			11	10	6	80	00	0	3	UNL	10			26	23	15	63	19	8	10	3	5		R	42	40	38	86	16	12										
04	0	UNL	7			8	7	4	84	00	0	8	UNL	10			26	22	14	60	19	6	10	4	0		LF	40	40	40	100	23	4										
07	2	UNL	6		K	7	6	4	87	17	4	8	UNL	10			27	23	15	61	16	5	10	2	0		F	38	38	38	100	16	8										
10	0	UNL	5		HK	25	22	16	69	21	5	10	UNL	10			37	31	20	50	21	6	10	2	0		F	40	40	40	100	22	8										
13	0	UNL	6		H	39	32	18	43	20	6	8	UNL	10			44	36	23	44	17	8	4	UNL	7			49	47	45	86	19	9										
16	0	UNL	7			41	33	19	41	15	7	10	100	10			47	38	24	41	16	9	7	UNL	10			57	51	46	67	22	5										
19	0	UNL	7			33	28	17	52	14	8	10	100	10			43	35	22	43	16	6	9	UNL	10			46	44	42	86	21	5										
22	2	UNL	9			30	25	14	51	17	4	10	45	5		RF	36	34	32	85	06	4	8	200	7			43	42	41	93	21	6										

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 F FOG 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 (MP

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1988
RICHMOND, VA 13740

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND																																																																													
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	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	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	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																														
JAN 19th																																JAN 20th																																JAN 21st																															
01	8	UNL	7			42	42	41	96	04	8	10	3	2		RF	37	36	34	89	34	8	10	10	5		F	49	49	48	96	22	11																																																														
04	0	UNL	8			37	35	33	86	36	5	10	3	2		RF	37	37	37	100	36	9	8	250	4		F	47	47	47	100	22	8																																																														
07	8	100	8			31	31	30	96	00	0	10	3	2		LF	37	37	37	100	34	9	8	250	0	1	F	41	41	41	100	18	4																																																														
10	10	250	8			39	36	32	76	04	5	10	3	1		F	40	40	39	96	30	7	10	150	2		F	47	47	47	100	03	4																																																														
13	10	100	8			44	39	32	63	07	5	10	2	0	8	LF	40	40	40	100	28	5	10	150	6		H	53	49	44	72	33	7																																																														
16	10	80	8			44	40	35	71	11	4	10	2	0	8	LF	42	42	42	100	19	7	10	250	7			53	47	40	62	36	6																																																														
19	10	100	7		R	40	39	38	93	07	4	10	1	0	8	F	43	43	43	100	20	9	10	250	7			47	44	41	80	35	6																																																														
22	10	16	2		RF	38	38	37	96	11	9	10	4	1		F	45	45	45	100	23	7	10	33	7			44	39	32	63	03	13																																																														
JAN 22nd																																JAN 23rd																																JAN 24th																															
01	10	33	7			42	36	28	58	03	9	10	50	8			36	32	24	62	24	7	0	UNL	10			27	25	21	78	15	4																																																														
04	10	38	8			40	34	24	53	03	10	0	UNL	9			31	28	21	67	30	0	0	UNL	10			27	25	21	78	15	5																																																														
07	10	40	8		SW	38	33	26	62	01	6	8	50	7			27	26	24	89	00	0	0	UNL	10			29	26	21	72	15	8																																																														
10	10	50	7			36	34	30	79	04	4	9	50	7			32	30	25	75	21	6	0	UNL	10			41	36	27	58	19	12																																																														
13	10	25	8			39	35	29	67	05	4	3	UNL	10			45	35	19	35	25	15	4	UNL	10			49	40	28	44	21	12																																																														
16	10	25	5		H	39	35	29	67	23	5	7	50	10			43	34	19	38	28	15	10	UNL	10			51	40	25	36	19	15																																																														
19	10	50	8			37	35	31	79	12	3	0	UNL	12			35	30	22	59	12	5	10	UNL	10			43	37	27	53	19	10																																																														
22	10	50	8			37	35	32	82	18	3	0	UNL	12			28	25	20	72	00	0	10	UNL	10			43	37	28	56	18	11																																																														
JAN 25th																																JAN 26th																																JAN 27th																															
01	10	250	7			43	37	29	58	18	10	10	6	6		F	34	34	33	96	24	8	0	UNL	10			20	16	5	52	30	8																																																														
04	10	80	7			42	37	30	63	21	6	4	UNL	7			32	32	31	96	24	10	0	UNL	10			15	14	9	77	17	6																																																														
07	10	38	7			41	38	33	73	22	3	3	UNL	7			31	26	17	56	29	17	0	UNL	10			14	13	10	84	22	4																																																														
10	10	38	7			42	39	34	73	10	4	1	UNL	15			26	22	11	53	29	16	2	UNL	7			26	22	11	53	27	5																																																														
13	10	23	2		RF	39	39	38	96	02	6	2	UNL	15			26	21	8	46	28	17	2	UNL	7			32	25	9	38	24	6																																																														
16	10	7	2		RF	39	39	39	100	05	6	5	UNL	15			25	20	5	42	29	19	4	UNL	10			32	26	11	42	31	5																																																														
19	10	4	2		RF	37	37	36	96	33	7	0	UNL	15			23	18	5	46	27	14	2	UNL	10			27	23	14	58	36	4																																																														
22	10	4	5		F	34	33	32	92	30	6	0	UNL	15			22	18	5	48	28	8	0	UNL	10			22	20	16	78	00	0																																																														
JAN 28th																																JAN 29th																																JAN 30th																															
01	0	UNL	10			18	17	15	88	00	0	0	UNL	10			24	21	15	69	06	5	1	UNL	10			34	31	27	76	18	12																																																														
04	0	UNL	10			19	18	15	84	02	6	0	UNL	10			19	18	16	88	00	0	7	UNL	10			35	32	28	76	20	10																																																														
07	6	100	10			17	16	12	81	36	3	0	UNL	8			18	17	16	92	05	3	3	UNL	10			31	30	27	85	20	8																																																														
10	3	UNL	8			29	25	15	56	19	7	4	UNL	8			31	28	21	67	12	9	8	UNL	10			45	39	31	58	23	11																																																														
13	3	UNL	7			36	29	14	40	26	10	7	250	7			37	32	22	55	17	8	10	UNL	10			59	46	29	32	23	13																																																														
16	4	UNL	10			37	30	15	41	28	12	2	UNL	10			42	35	22	45	14	9	10	200	10			60	47	31	34	20	13																																																														
19	0	UNL	10			28	25	17	63	00	0	0	UNL	10			36	31	23	59	12	7	8	UNL	10			54	45	33	45	20	13																																																														
22	0	UNL	10			24	23	20	85	00	0	0	UNL	10			31	29	25	79	14	7	8	UNL	10			53	46	39	59	20	12																																																														
JAN 31st																																																																																															
01	6	UNL	10			47	44	40	77	20	11																																																																																				
04	3	UNL	10			45	43	41	86	21	9																																																																																				
07	2	UNL	10			43	41	39	86	20	9																																																																																				
10	9	65	10			52	49	46	80	22	11																																																																																				
13	9	65	10			62	55	48	60	22	15																																																																																				
16	8	250	10			65	56	48	54	20	15																																																																																				
19	8	UNL	10			57	51	46	67	19	10																																																																																				
22	7	UNL	10			55	50	46	72	18	10																																																																																				

SUMMARY BY HOURS

HOUR L.S.T.	AVERAGES						RESULTANT WIND		
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEN POINT OF				
01	5	30.070	29	27	21	73	8.4	28	1.4
04	5	30.070	27	25	20	76	8.7	33	2.5
07	6	30.090	26	24	19	77	7.8	33	1.8
10	7	30.120	32	29	22	68	9.5	29	1.9
13	7	30.070	38	32	22	55	10.5	27	3.3
16	7	30.070	39	33	22	54	10.6	28	2.8
19	6	30.070	34	30	22	65	7.9	28	0.3
22	5	30.080	31	28	22	73	7.0	06	0.2

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 1988
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				T	T	T			T	T		T	T	T	T	0.04					0.01	T		01			
02																								02			
03																								03			
04	T	T	T	0.01	0.02			T	T															04			
05																								05			
06																								06			
07																								07			
08	0.04	0.02	0.02	0.13	0.03	0.01	0.01	T	T	T	T	T	T	T										08			
09																								09			
10																								10			
11																								11			
12																								12			
13									T	T	T	T												13			
14																								14			
15																								15			
16																								16			
17																								17			
18	T	0.02	0.05	0.03	T															T	0.10	0.04	0.03	0.04	18		
19																								19			
20	0.13	0.19	T	0.05	0.06	T	0.02	0.13	0.02	T										0.05	T	0.03	0.05	T	0.01	0.02	20
21																									21		
22							T	T	T	T	T														22		
23																									23		
24																									24		
25										T	T	0.03	0.14	0.03	0.07	0.06	0.02	0.02	0.03	0.04	0.01	T	T		25		
26																									26		
27																									27		
28																									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)	0.04	0.07	0.09	0.10	0.13	0.17	0.20	0.23	0.26	0.32	0.32	0.34
ENDED: DATE	20	20	20	20	20	20	20	20	20	20	20	20
ENDED: TIME	0812	0812	0816	0821	0123	0119	0123	0140	0150	0159	0159	0159

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:
DON HOWELL

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