

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

OCT 1990
 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 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	PEAK GUST	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
01	74	55	65	1	48	0	0	0.00	0.0	29.900	32	3.2	8.7	16	NE	13	30	653	92	3	3
02	78	50	64	0	50	1	0	0.00	0.0	29.950	31	3.7	7.3	23	NW	15	33	705	100	1	0
03	79	48	64	0	51	1	0	0.00	0.0	30.120	14	4.5	7.5	18	SE	13	19	642	91	7	6
04	84	63	74	11	63	0	9	0.14	0.0	29.890	21	11.9	14.1	37	SW	25	25	304	43	9	8
05	81	48	65	2	51	0	0	0.00	0.0	29.960	22	5.3	5.9	18	SW	14	22	697	100	0	0
06	85	50	68	6	52	0	3	0.00	0.0	29.980	21	7.2	7.8	25	SW	17	21	696	100	0	0
07	87	58	73	11	52	0	8	0.00	0.0	29.990	21	7.7	8.4	25	SW	17	23	594	86	3	3
08	90*	65	78*	17	66	0	13	0.00	0.0	29.990	20	9.3	10.0	22	SW	14	24	472	68	7	7
09	87	63	75	14	64	0	10	0.00	0.0	29.930	20	10.0	10.6	22	SW	17	21	612	89	3	2
10	86	61	74	13	65	0	9	0.06	0.0	29.870	14	8.0	8.9	23	SE	18	15	456	66	9	8
11	82	70	76	16	69	0	11	0.30	0.0	29.840	15	7.8	10.8	35	S	23	17	245	36	10	9
12	81	63	72	12	68	0	7	0.05	0.0	29.790	09	5.8	6.8	18	E	13	13	201	29	10	8
13	85	69	77	17	70	0	12	0.0	0.0	29.600	24	1.0	5.0	12	S	12	29	330	49	9	8
14	84	65	75	16	63	0	10	0.00	0.0	29.675	36	1.9	5.9	16	NE	13	01	522	77	3	4
15	81	57	69	10	53	0	4	0.00	0.0	29.795	31	4.2	7.8	20	W	15	25	581	86	1	1
16	74	48	61	3	43	4	0	0.00	0.0	30.080	05	2.8	4.9	13	E	9	35	673	100	0	0
17	79	46	63	5	52	2	0	0.00	0.0	30.085	19	5.1	5.5	17	SW	13	20	553	82	6	5
18	78	50	64	6	60	1	0	1.30	0.0	29.710	20	11.2	15.4	40	S	23	29	176	26	9	7
19	62	38	50	-7	36	15	0	0.00	0.0	29.910	32	4.2	7.7	21	NW	15	31	660	99	0	0
20	65	39	52	-5	41	13	0	0.00	0.0	30.130	04	3.8	5.4	12	NE	9	10	597	90	1	1
21	74	43	59	2	51	6	0	0.00	0.0	30.080	19	2.3	4.8	14	E	10	25	515	78	9	5
22	75	52	64	8	59	1	0	0.10	0.0	29.890	10	3.7	6.1	16	S	10	08	297	45	10	7
23	71	59	65	9	63	0	0	1.95	0.0	29.590	21	0.7	7.6	20	SE	13	15	92	14	9	7
24	70	51	61	5	49	4	0	0.00	0.0	29.690	01	4.4	6.5	16	N	13	02	549	84	1	2
25	64	51	58	3	44	7	0	0.0	0.0	29.590	02	11.7	12.2	32	N	20	02	381	58	8	9
26	55	40	48	-7	32	17	0	0.0	0.0	29.690	35	20.2	20.7	43	N	29	36	474	73	4	4
27	58	34	46	-9	28	19	0	0.00	0.0	30.040	34	1.8	6.5	16	NE	14	36	648	100	0	0
28	66	38	52	-2	32	13	0	0.00	0.0	29.910	29	5.9	11.5	26	W	18	29	542	84	2	1
29	57	32	45*	-9	30	20	0	0.00	0.0	30.100	36	6.6	7.2	30	N	17	36	642	100	0	0
30	65	32*	49	-5	33	16	0	0.00	0.0	30.120	23	4.5	5.7	15	NW	12	24	639	100	0	0
31	77	40	59	5	43	6	0	0.00	0.0	30.030	19	2.5	3.9	9	SE	7	19	552	86	3	3
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
2334	1578				146	96		3.90	0.0	29.900	23	1.1	8.3	43	N	29	36	15700	75	137	118
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.						DATE: 26	DATE: 26	POSSIBLE	MONTH	AVG.	AVG.		
75.3	50.9	63.1	4.5	51.2	-75	73	0.16									20882	75	4.4	3.8		
NUMBER OF DAYS						SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF									
						TOTAL	TOTAL					SNOW, ICE PELLETS OR ICE AND DATE									
MAXIMUM TEMP.		MINIMUM TEMP.		179	1587	THUNDERSTORMS	2	PRECIPITATION	SNOW, ICE PELLETS												
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	0	2.05	22-23	0.0											
1	0	2	0	-66	251	CLEAR	17	PARTLY CLOUDY	4	CLOUDY											

* 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



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1990
RICHMOND, VA

13740

HOUR L. S. T.	SKY COVER (TENTHS)			WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																												
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF		NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																												
OCT 1st																						OCT 2nd																						OCT 3rd																					
01	9	43	8		63	57	52	68	02	10		0	UNL	10			56	53	51	83	24	6	0	UNL	7			51	50	48	90	01	3																																
04	5	UNL	8		61	56	51	70	02	6		0	UNL	6	F		54	53	52	93	25	6	0	UNL	7			50	49	47	90	36	3																																
07	9	120	8		57	53	50	78	01	8		0	UNL	4			55	53	52	90	24	6	4	UNL	7			50	49	47	90	01	5																																
10	0	UNL	8		67	55	45	45	05	8		0	UNL	7			73	61	51	46	31	10	7	UNL	8			70	58	49	47	15	7																																
13	5	UNL	8		70	56	43	38	30	3		3	UNL	7			76	60	47	36	33	12	8	UNL	8			75	61	50	42	15	6																																
16	2	UNL	8		73	58	45	37	30	5		0	UNL	7			76	60	47	36	36	8	10	UNL	7			78	63	53	42	18	9																																
19	0	UNL	8		58	53	49	72	21	8		0	UNL	7			63	56	50	63	06	6	10	UNL	7			65	60	56	73	12	8																																
22	0	UNL	8		59	55	51	75	23	8		0	UNL	7			56	52	49	78	00	0	10	UNL	7			64	59	56	75	17	9																																
OCT 4th																						OCT 5th																						OCT 6th																					
01	10	120	7		63	61	59	87	18	7		0	UNL	7			62	60	59	90	29	5	0	UNL	10			55	53	51	87	20	5																																
04	8	UNL	7		65	63	61	87	18	12		0	UNL	3	F		51	51	51	100	18	3	0	UNL	10			52	51	49	90	17	4																																
07	9	30	7		67	63	61	81	19	14		1	UNL	6			51	51	50	96	18	3	0	UNL	8			54	52	51	90	19	6																																
10	8	24	7		76	68	64	67	19	16		0	UNL	12			72	61	52	50	26	5	0	UNL	8			75	62	52	45	22	10																																
13	10	43	7		81	70	64	56	21	16		0	UNL	15			80	62	48	33	22	12	0	UNL	10			84	64	50	31	21	12																																
16	10	110	7		69	67	65	87	31	5		0	UNL	15			80	62	49	34	21	10	0	UNL	10			84	64	49	30	21	12																																
19	8	120	8		65	64	63	93	21	8		0	UNL	15			64	58	54	70	19	6	0	UNL	10			66	60	55	68	17	3																																
22	7	UNL	8		64	63	63	97	27	9		0	UNL	10			60	56	53	78	19	5	0	UNL	10			60	57	54	81	19	5																																
OCT 7th																						OCT 8th																						OCT 9th																					
01	0	UNL	10		59	57	56	90	16	4		4	UNL	8			70	66	64	81	20	10	6	90	7			71	67	65	81	20	10																																
04	4	UNL	7		58	57	57	97	18	4		9	120	7			69	67	65	87	21	10	1	UNL	7			67	65	63	87	21	7																																
07	3	UNL	6	F	60	59	59	97	16	3		5	UNL	7			68	66	65	90	19	5	0	UNL	7			66	65	64	93	19	7																																
10	2	UNL	7		79	71	67	67	23	11		7	110	7			78	72	69	74	21	9	6	25	8			78	70	66	67	21	15																																
13	4	UNL	10		86	71	62	45	21	10		8	110	7			87	72	64	46	24	12	5	UNL	10			83	70	63	51	22	10																																
16	7	UNL	10		86	69	60	42	23	12		7	100	10			85	72	65	51	20	9	4	UNL	10			86	71	62	45	23	10																																
19	2	UNL	10		72	67	64	76	20	6		3	UNL	10			75	70	67	76	16	6	0	UNL	10			73	67	63	71	14	4																																
22	0	UNL	10		69	67	65	87	16	4		8	85	8			75	68	64	69	19	10	0	UNL	10			71	67	65	81	17	8																																
OCT 10th																						OCT 11th																						OCT 12th																					
01	0	UNL	8		69	67	65	87	18	8		10	50	7			74	70	68	82	13	13	7	50	7			69	68	67	93	13	3																																
04	0	UNL	7		65	64	63	93	15	6		10	120	7			74	70	67	79	14	13	2	UNL	5	F		64	63	63	97	09	3																																
07	9	UNL	6	F	64	63	63	97	13	4		10	27	1			70	69	69	97	14	8	8	UNL	7			65	64	64	97	08	3																																
10	10	UNL	8		79	70	65	62	14	7		10	120	5	R		74	71	70	87	17	13	10	UNL	7			77	72	69	76	12	8																																
13	8	45	10		84	70	62	48	16	11		9	120	8	F		80	73	70	72	19	9	10	47	7			78	71	67	69	09	6																																
16	10	90	7		72	70	69	90	12	4		10	40	8			78	71	68	72	00	0	10	28	7	RW		73	70	69	87	06	6																																
19	10	65	7		71	68	67	87	12	7		10	44	5	RWF		73	72	71	94	03	6	10	4	7			72	71	70	94	03	4																																
22	10	100	7		71	68	67	87	11	7		7	250	7			73	70	69	87	12	9	8	60	6	F		73	72	71	94	12	10																																
OCT 13th																						OCT 14th																						OCT 15th																					
01	7	4	5	F	71	70	70	97	12	5		6	120	7			70	69	68	93	33	3	0	UNL	5	F		64	63	63	97	25	3																																
04	8	30	4	F	70	69	69	97	10	4		7	40	7			69	67	65	87	01	5	0	UNL	7			61	60	59	93	20	4																																
07	10	2	0	F	71	70	70	97	14	5		8	40	8			68	65	63	84	36	7	0	UNL	5	F		61	59	58	90	24	6																																
10	10	15	2	RWF	75	72	71	87	00	0		4	UNL	8			75	65	59	58	01	11	0	UNL	8			73	61	53	50	33	11																																
13	10	70	6	H	81	73	69	67	24	6		1	UNL	8			82	69	61	49	35	5	0	UNL	10			81	64	52	37	35	7																																
16	9	35	7		81	73	69	67	23	5		2	UNL	8			82	69	61	49	20	7	2	UNL	8			80	64	53	39	27	8																																
19	9	60	7		72	70	69	90	36	4		1	UNL	7			70	66	64	81	17	4	5	UNL	8			70	61	55	59	02	7																																
22	8	100	7		71	70	69	93	00	0		3	UNL	7			68	66	64	87	17	4	0	UNL	8			60	51	42	52	02	7																																
OCT 16th																						OCT 17th																						OCT 18th																					
01	0	UNL	8		56	49	42	60	01	4		0	UNL	10			49	47	45	86	00	0	10	250	7			67	65	63	87	18	15																																
04	0	UNL	8		49	47	44	83	01	4		0	UNL	10			47	46	44	89	00	0	8	49	10			67	63	61	81	18	10																																
07	0	UNL	8		50	47	43	77	36	3		4	UNL	10			48	47	45	89	00	0	10	120	7			66	63	61	84	17	8																																
10	0	UNL	15		67	54	41	39	03	7		8	UNL	10			70	61	55	59	19	8	9	24	8			76	68	63	64	19	19																																
13	0	UNL	15		71	54	38	30	35	7		5	UNL	10			78	62	50	38	21	7	10	15	7			72	69	67	84	19	15																																
16	0	UNL	15		72	55	38	29	10	5		4	UNL	7			78	62	51	39	21	8	10	13	6		RW	71	69	68	90	19	15																																
19	0	UNL	10		58	53	48	70	13	3		8	250	7			67	61	56	68	19	4	10	85	7			61	59	58	90	25	8																																
22	0	UNL	10		53	50	48	83	11	3		10	250	7			65	62	60	84	17	9	0	UNL	7			56	49	42	60	30	18																																

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- 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 (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1990 RICHMOND, VA 13740

HOUR L.S.T.	SKY COVER (TENTHS)			VISIBILITY			TEMPERATURE				WIND		WEATHER	TEMPERATURE			WIND	
	0-100	100-200	200-300	WHOLE MILES	1/16THS 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)
OCT 19th																		
01	0	UNL	10			50	43	33	52	29	10							
04	0	UNL	10			45	41	36	71	27	5							
07	0	UNL	10			43	40	36	76	29	8							
10	0	UNL	7			56	46	35	45	26	8							
13	0	UNL	8			60	48	34	38	31	9							
16	0	UNL	15			61	49	36	40	33	6							
19	0	UNL	15			50	46	41	71	03	3							
22	0	UNL	15			45	42	37	74	04	5							
OCT 20th																		
01	0	UNL	10			43	40	36	76	04	5							
04	0	UNL	10			40	38	35	82	02	7							
07	0	UNL	10			40	38	36	86	36	6							
10	0	UNL	8			56	49	41	57	04	7							
13	0	UNL	10			63	52	40	43	24	3							
16	0	UNL	10			63	52	42	46	07	6							
19	0	UNL	10			53	50	46	77	09	4							
22	0	UNL	8			49	48	46	90	13	4							
OCT 21st																		
01	0	UNL	8			47	46	45	93	03	3							
04	0	UNL	7			44	43	42	93	00	0							
07	0	UNL	7			43	43	42	96	01	4							
10	0	UNL	7			65	59	54	68	15	7							
13	0	UNL	8			73	61	52	48	20	8							
16	0	UNL	8			69	60	53	57	21	4							
19	0	UNL	8			62	59	56	81	13	6							
22	0	UNL	8			60	59	58	93	18	7							
OCT 22nd																		
01	0	UNL	7			57	56	56	97	19	3							
04	0	UNL	7			57	56	56	97	12	4							
07	6	UNL	5	F		53	53	53	100	35	3							
10	10	UNL	7			71	64	59	66	17	6							
13	10	150	7			74	65	60	62	16	7							
16	10	43	7			71	65	61	71	07	6							
19	10	120	7			66	64	62	87	07	8							
22	10	65	6	RF		64	63	62	93	09	4							
OCT 23rd																		
01	0	UNL	4	RF		66	65	64	93	13	10							
04	0	UNL	5	R		66	65	64	93	15	10							
07	6	UNL	1	RF		66	65	65	97	31	5							
10	10	UNL	2	RF		67	66	65	93	09	5							
13	10	150	2	RF		66	65	64	93	10	5							
16	10	95	7			71	68	67	87	30	7							
19	10	120	8			65	63	61	87	30	6							
22	10	7	7			63	61	60	90	33	7							
OCT 24th																		
01	0	UNL	7			61	58	55	81	30	7							
04	0	UNL	8			56	54	53	90	32	4							
07	0	UNL	7			53	52	51	93	31	4							
10	0	UNL	8			61	54	47	60	02	9							
13	0	UNL	10			67	55	45	45	36	6							
16	0	UNL	8			69	57	47	46	14	3							
19	0	UNL	7			59	55	51	75	00	0							
22	0	UNL	7			55	51	47	75	05	7							
OCT 25th																		
01	10	75	7			53	50	46	77	00	0							
04	10	80	7			53	49	44	72	01	9							
07	10	65	7			53	49	44	72	04	11							
10	9	60	7			57	52	48	72	04	10							
13	6	110	7			63	54	46	54	04	10							
16	9	110	7			61	52	44	54	02	13							
19	10	120	7			58	51	44	60	02	15							
22	10	120	7			57	49	40	53	01	15							
OCT 26th																		
01	10	110	7			53	48	42	66	36	20							
04	10	40	7			51	45	39	64	02	18							
07	10	120	7			49	43	36	61	34	21							
10	7	250	8			50	43	33	52	35	25							
13	3	UNL	15			54	43	29	38	34	23							
16	1	UNL	15			53	42	28	38	34	20							
19	0	UNL	15			47	39	27	46	35	13							
22	0	UNL	15			42	36	26	53	35	8							
OCT 27th																		
01	0	UNL	15			39	34	27	62	35	7							
04	0	UNL	15			35	32	28	76	36	7							
07	0	UNL	15			34	32	28	79	00	0							
10	0	UNL	15			48	39	25	41	04	10							
13	0	UNL	15			54	42	24	31	02	3							
16	0	UNL	15			58	44	24	27	25	5							
19	0	UNL	15			43	38	32	65	14	4							
22	0	UNL	15			40	37	32	73	16	3							
OCT 28th																		
01	0	UNL	15			39	36	32	76	19	7							
04	0	UNL	15			44	39	33	65	20	11							
07	10	65	12			46	42	36	68	20	8							
10	0	UNL	12			60	50	40	48	29	14							
13	2	UNL	15			66	50	32	28	28	14							
16	0	UNL	15			64	46	20	18	33	15							
19	0	UNL	15			50	42	30	46	36	9							
22	0	UNL	15			47	44	40	77	36	5							
OCT 29th																		
01	0	UNL	15			39	35	30	70	02	5							
04	0	UNL	10			39	35	29	67	32	6							
07	10	65	12			35	32	28	76	35	5							
10	0	UNL	15			49	40	27	43	36	15							
13	2	UNL	15			53	42	28	38	02	8							
16	0	UNL	15			56	44	27	33	33	11							
19	0	UNL	15			45	40	33	63	05	3							
22	0	UNL	15			38	36	32	79	07	3							
OCT 30th																		
01	0	UNL	10			36	34	32	85	25	4							
04	0	UNL	8			35	33	31	85	33	3							
07	10	65	12			34	33	31	89	00	0							
10	0	UNL	7			54	44	32	43	24	8							
13	0	UNL	10			62	48	30	30	24	7							
16	0	UNL	10			65	50	32	29	24	8							
19	0	UNL	10			49	44	38	66	18	4							
22	0	UNL	10			49	43	36	61	20	6							
OCT 31st																		
01	0	UNL	10			45	42	37	74	17	4							
04	0	UNL	10			43	41	38	83	22	4							
07	0	UNL	7			40	39	37	89	15	3							
10	0	UNL	7			63	52	42	46	34	5							
13	1	UNL	7			76	59	45	33	23	3							
16	10	UNL	10			75	60	48	39	19	6							
19	8	UNL	10			61	54	48	63	16	5							
22	7	UNL	8			55	50	46	72	18	3							

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	3	29.900	57	54	51	82	7.4	19	1.2
04	3	29.900	55	53					

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 1990
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																0.01	0.12	0.01						04	
05																								05	
06																								06	
07																								07	
08																								08	
09																								09	
10																								10	
11																								11	
12						T	0.25	0.04	T	T														12	
13																								13	
14																								14	
15																								15	
16																								16	
17																								17	
18																								18	
19																								19	
20																								20	
21																								21	
22																								22	
23	0.07	0.04	0.01	0.04	0.02	0.35	0.61	0.22	0.05	0.04	0.11	0.08	0.01	0.23	0.07									23	
24																								24	
25																								25	
26	T																							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)	0.35	0.49	0.62	0.72	0.78	0.84	0.92	0.92	1.06	1.10	1.13	1.20
ENDED: DATE	18	18	18	18	18	18	18	18	23	23	23	18
ENDED: TIME	1541	1542	1542	1542	1548	1554	1559	1554	0718	0730	0748	1759

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:
MATTHEW BODOSKY

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