

OCT 1992  
 RICHMOND, VA  
 NOAA-NATIONAL WEATHER SERVICE  
 RIC INTL APT/EXECUTIVE TERMINAL

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

OCT 1992  
 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	63	42	53	-11	41	12	0		0	0.00	0.0	30.030	34	5.0	6.2	21	N	13	36	629	89	2	1
02	72	39	56	-8	44	9	0		0	0.00	0.0	29.940	22	5.7	6.6	16	SW	13	24	703	100	0	0
03	79	46	63	-1	50	2	0		0	0.00	0.0	29.830	19	6.8	7.0	16	S	13	21	675	96	2	1
04	60	51	56	-7	55	9	0	1	0	0.55	0.0	29.760	02	4.5	6.3	17	N	15	02	0	0	10	10
05	63	44	54	-9	46	11	0	1	0	T	0.0	29.905	01	12.2	12.5	28	N	18	01	474	68	7	6
06	64	40	52	-10	42	13	0		0	0.00	0.0	30.150	03	4.2	5.6	14	NE	12	02	520	75	3	1
07	68	39	54	-8	46	11	0		0	0.00	0.0	30.140	06	1.9	4.6	13	SE	9	13	598	86	5	3
08	76	50	63	-2	55	2	0		0	0.00	0.0	30.040	12	6.9	7.2	21	SE	13	14	469	68	7	8
09	78	60	69	-8	66	0	4	1	0	0.15	0.0	29.820	15	10.2	10.6	24	S	15	18	93	14	9	7
10	74	56	65	-4	56	0	0	1	0	0.00	0.0	29.810	06	4.9	7.3	20	N	16	04	549	80	4	5
11	69	51	60	-6	56	5	0	1 3	0	0.35	0.0	29.680	19	4.7	7.3	35	W	23	28	150	22	9	8
12	68	43	56	-4	45	9	0	1	0	0.00	0.0	29.710	25	6.5	8.3	18	W	15	27	470	69	2	1
13	74	47	61	-1	47	4	0	0	0	0.00	0.0	29.770	25	5.1	7.3	17	NW	14	28	495	73	1	2
14	79	45	62	-3	51	3	0	1	0	0.00	0.0	29.945	19	7.2	7.8	18	S	16	18	616	91	1	2
15	86*	53	70*	11	57	0	5	1	8	0.00	0.0	29.960	20	8.5	8.9	17	S	14	20	566	84	4	4
16	80	56	68	-10	58	0	3	1	0	0.00	0.0	29.840	20	10.6	10.9	28	SW	21	21	457	68	2	4
17	67	40	54	-4	35	11	0	0	0	0.00	0.0	30.000	36	11.8	12.4	30	W	21	01	530	79	8	5
18	59	36	48	-10	36	17	0	0	0	0.00	0.0	29.985	35	6.9	7.5	14	N	10	34	445	67	9	7
19	53	30	42	-15	28	23	0	0	0	T	0.0	30.000	32	10.8	11.3	32	NW	20	33	450	68	3	3
20	56	28*	42*	-15	27	23	0	0	0	0.00	0.0	30.220	19	3.5	6.9	16	S	12	18	499	75	6	5
21	72	48	60	-3	41	5	0	0	0	0.00	0.0	30.155	23	4.6	9.4	21	N	14	36	461	70	8	7
22	62	40	51	-5	40	14	0	1	0	0.00	0.0	30.310	01	5.9	6.3	23	N	10	34	627	95	0	0
23	65	37	51	-5	40	14	0	1	0	0.00	0.0	30.190	28	0.8	4.0	9	S	7	17	623	95	0	0
24	77	42	60	-4	47	5	0	1 3	8	0.05	0.0	29.720	21	6.1	10.2	26	NW	18	30	469	72	4	5
25	62	36	49	-6	34	16	0	0	0	0.00	0.0	29.700	33	10.4	10.7	25	N	18	32	597	92	1	1
26	70	32	51	-4	36	14	0	0	0	0.00	0.0	29.730	20	5.7	6.6	16	S	13	20	560	86	1	1
27	70	43	57	-2	45	8	0	0	0	0.00	0.0	29.740	10	3.8	6.8	20	NW	12	08	434	67	6	6
28	62	49	56	-2	52	9	0	2	0	0.02	0.0	29.750	03	2.6	4.1	9	N	7	34	14	2	10	9
29	71	50	61	-7	55	4	0	2	8	T	0.0	29.760	12	2.5	3.6	9	SE	7	16	284	44	7	8
30	59	53	56	-2	56	9	0	2	0	0.36	0.0	29.810	04	6.4	7.0	14	N	12	02	0	0	10	10
31	55	49	52	-2	51	13	0	1	0	0.46	0.0	29.890	02	8.4	8.8	17	N	13	02	0	0	10	10
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM				
2113	1375				275	12			1.94	0.0	29.910	30	0.5	7.7	35	W	23	28	13457	FOR	151	140	
AVG	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 11	DATE: 11	POSSIBLE	MONTH	AVG.	AVG.			
68.2	44.4	56.3	-2.3	46.3	5.4	-11	≥ .01 INCH		7	-1.80							20882	64	4.9	4.5			
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.		312		1237		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
≥ 90°		< 32°		< 32°		< 0°		DEP.		DEP.		HEAVY FOG											
0		0		3		0		67		-99		CLEAR 13		PARTLY CLOUDY 9		CLOUDY 9							

\* 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

*Kenneth D. Haden*  
 DIRECTOR  
 NATIONAL CLIMATIC DATA CENTER

**noaa**

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 AND INFORMATION SERVICE

NATIONAL  
 CLIMATIC DATA CENTER  
 ASHEVILLE NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1992  
RICHMOND, VA 13740

HOUR L.S.T.	SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND		
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION
OCT 1st																				
01	0	UNL	8		44	43	41	89	30	3	0	UNL	10		42	41	40	93	00	0
04	0	UNL	7		43	42	40	89	32	7	0	UNL	10		42	41	40	93	00	0
07	0	UNL	7		46	44	41	83	34	6	0	UNL	7		43	42	41	93	00	0
10	2	UNL	8		57	49	41	55	36	7	0	UNL	8		63	53	44	50	26	9
13	3	UNL	10		61	50	39	44	33	6	0	UNL	10		70	56	43	38	26	9
16	1	UNL	12		62	51	39	43	35	5	0	UNL	10		70	57	47	44	21	9
19	0	UNL	12		51	48	45	80	15	3	0	UNL	10		55	52	49	80	19	6
22	0	UNL	12		46	45	43	89	00	0	0	UNL	10		53	50	48	83	17	4
OCT 2nd																				
OCT 3rd																				
01	0	UNL	10		49	48	47	93	18	5	0	UNL	10		49	48	47	93	18	5
04	0	UNL	10		48	47	45	89	17	5	0	UNL	10		48	47	45	89	17	5
07	0	UNL	7		49	48	46	90	17	5	0	UNL	7		49	48	46	90	17	5
10	2	UNL	8		68	58	50	53	21	7	1	UNL	10		68	58	50	53	21	7
13	3	UNL	10		76	62	51	42	18	9	3	UNL	10		76	62	51	42	18	9
16	1	UNL	12		77	62	51	40	21	11	4	UNL	10		77	62	51	40	21	11
19	0	UNL	12		60	56	53	78	17	5	1	UNL	8		60	56	53	78	17	5
22	0	UNL	12		57	54	52	84	15	3	2	UNL	8		57	54	52	84	15	3
OCT 4th																				
OCT 5th																				
OCT 6th																				
01	8	UNL	8		52	52	51	96	16	4	10	14	6	F	59	57	56	90	03	14
04	10	250	8		53	52	51	93	00	0	10	45	7		56	54	52	87	02	11
07	10	120	6	F	54	53	52	93	03	4	8	33	10		53	49	45	74	36	13
10	10	120	6	R	58	57	56	93	00	0	5	UNL	12		57	51	45	64	36	16
13	10	90	2	RF	59	58	57	93	04	5	7	39	15		59	51	44	58	01	14
16	10	90	2	RF	59	58	57	93	06	6	8	UNL	15		60	51	42	52	01	10
19	10	29	3	RF	58	57	57	97	06	9	1	UNL	15		51	47	42	72	02	5
22	10	4	3	RF	59	59	59	100	36	10	2	UNL	15		45	44	42	89	36	7
OCT 7th																				
OCT 8th																				
OCT 9th																				
01	0	UNL	10		43	43	42	96	00	0	10	37	10		51	51	50	96	00	0
04	0	UNL	7		40	40	39	96	33	4	10	60	8		53	52	51	93	12	3
07	4	UNL	7		42	41	40	93	34	5	10	70	10		55	54	53	93	13	3
10	7	50	8		59	52	46	62	03	5	5	UNL	10		70	61	54	57	14	11
13	3	UNL	8		65	55	46	50	36	4	7	UNL	10		75	63	55	50	15	9
16	4	UNL	10		67	57	49	53	13	8	6	UNL	12		74	63	56	54	12	8
19	2	UNL	10		56	53	51	83	12	6	10	250	12		64	61	58	81	12	8
22	3	UNL	10		52	51	50	93	14	4	10	UNL	12		62	60	59	90	12	5
OCT 10th																				
OCT 11th																				
OCT 12th																				
01	7	110	6	F	65	64	64	97	16	4	5	UNL	6	F	58	56	54	87	14	5
04	10	6	6	F	65	64	64	97	19	5	5	UNL	3	F	56	55	54	93	16	4
07	7	UNL	12		58	56	55	90	36	7	10	150	2	RF	57	57	57	100	20	6
10	6	130	8		67	58	51	57	02	13	10	130	6	F	64	61	59	84	18	11
13	5	UNL	12		72	59	49	44	07	5	10	200	7		64	61	58	81	21	8
16	1	UNL	10		73	60	50	45	05	6	8	95	8		66	61	58	76	18	8
19	5	UNL	10		60	58	57	90	16	3	7	95	10		56	55	55	97	28	4
22	4	UNL	10		58	56	55	90	12	3	4	UNL	7		55	55	54	97	29	5
OCT 13th																				
OCT 14th																				
OCT 15th																				
01	0	UNL	7		48	47	45	89	19	6	4	UNL	8		49	49	48	96	17	4
04	4	UNL	7		48	46	44	86	25	3	0	UNL	7		46	46	45	96	00	0
07	5	UNL	7		52	49	45	77	23	6	0	UNL	6	F	46	46	45	96	00	0
10	1	UNL	7		66	56	48	53	25	10	1	UNL	7		69	59	51	53	16	6
13	1	UNL	8		72	57	44	37	31	10	1	UNL	8		76	60	48	37	18	10
16	0	UNL	10		72	57	44	37	28	8	0	UNL	8		78	64	54	44	19	12
19	0	UNL	10		55	53	51	87	14	5	8	UNL	8		63	59	56	78	19	9
22	0	UNL	10		53	51	50	90	17	3	9	UNL	8		68	61	55	63	19	11
OCT 16th																				
OCT 17th																				
OCT 18th																				
01	1	UNL	8		63	60	58	84	19	6	10	24	8		66	61	57	73	01	18
04	0	UNL	7		57	56	55	93	19	7	1	UNL	8		54	47	38	55	34	11
07	0	UNL	6	F	59	58	58	97	19	7	4	UNL	10		48	41	32	54	35	13
10	0	UNL	7		73	66	61	66	20	14	6	UNL	10		53	43	29	40	34	13
13	3	UNL	8		79	66	58	49	21	18	10	250	10		55	44	31	40	36	13
16	2	UNL	8		78	66	59	52	20	13	9	UNL	10		56	45	31	39	34	9
19	6	120	8		67	62	59	76	18	7	5	UNL	10		46	41	35	66	36	5
22	10	120	8		69	63	59	71	18	8	0	UNL	10		41	38	34	76	06	7

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.13	0.18	0.21	0.26	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
ENDED: DATE	11	11	11	11	11	11	11	11	11	11	11	11
ENDED: TIME	1629	1634	1638	1644	1646	1646	1646	1646	1646	1646	1646	1646

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.

# OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1992 13740  
RICHMOND, VA

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND																	
	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)	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)												
																								AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)						
OCT 19th																																			
01	10	65	10			47	43	37	68	33	5	0	UNL	12				33	30	26	76	04	5	8	110	12				49	41	31	50	18	9
04	6	75	10			44	41	36	74	30	7	0	UNL	10				30	29	26	85	30	3	10	65	12				50	43	33	52	18	8
07	4	UNL	15			41	38	35	79	32	9	1	UNL	10				30	29	27	89	31	3	10	75	10				49	44	38	66	19	7
10	2	UNL	15			48	40	28	46	31	17	5	UNL	15				46	37	23	40	05	6	9	250	10				62	51	40	45	22	8
13	4	UNL	15			52	40	22	31	30	13	9	UNL	15				53	41	24	32	21	8	9	UNL	10				71	56	43	37	25	10
16	4	UNL	15			51	39	20	30	34	11	9	UNL	15				54	41	23	30	20	5	5	UNL	10				71	57	44	38	27	12
19	0	UNL	15			42	35	23	47	33	7	10	UNL	15				49	42	32	52	18	6	6	UNL	10				58	52	47	67	12	3
22	0	UNL	15			37	33	25	62	34	6	9	UNL	15				49	41	31	50	18	8	0	UNL	10				57	51	46	67	02	11
OCT 20th																																			
OCT 21st																																			
OCT 22nd																																			
OCT 23rd																																			
OCT 24th																																			
OCT 25th																																			
OCT 26th																																			
OCT 27th																																			
OCT 28th																																			
OCT 29th																																			
OCT 30th																																			
OCT 31st																																			

## SUMMARY BY HOURS

### 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> <li>ZL FREEZING DRIZZLE</li> <li>S SNOW</li> </ul> | <ul style="list-style-type: none"> <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> <li>IPW ICE PELLET SHOWERS</li> <li>A HAIL</li> <li>F FOG</li> <li>IF ICE FOG</li> </ul> | <ul style="list-style-type: none"> <li>GF GROUND FOG</li> <li>BD BLOWING DUST</li> <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).

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	4	29.910	50	48	46	87	6.2	04	0.8	
04	4	29.910	48	47	45	88	5.4	33	1.0	
07	5	29.940	48	47	45	89	6.6	34	2.2	
10	5	29.960	60	53	46	64	9.6	33	1.8	
13	5	29.910	66	55	46	52	9.7	27	2.2	
16	5	29.880	66	56	46	52	9.1	21	1.8	
19	4	29.900	56	52	48	77	6.6	14	2.0	
22	4	29.915	53	50	48	83	6.6	10	0.4	

