

OCT 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

OCT 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 IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)			SUNSHINE		SKY COVER (TENTHS)						
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE	HEATING (SEASON BEGINS WITH JUL)			COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)		SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE		
01	81	58	70	6	58	0	5	1	8	0	0.00	0.0	29.885	17	6.0	6.9	14	22			4	4	01
02	67	58	63	-1	59	2	0	1	8	0	0.61	0.0	29.930	01	6.3	7.5	13	03			10	10	02
03	63	56	60	-4	57	5	0	2		0	1.40	0.0	29.910	01	4.0	5.4	9	01			10	10	03
04	71	61	66	3	62	0	1	1	8	0	0.05	0.0	29.820	15	0.9	4.0	12	17			10	9	04
05	72	55	64	1	54	1	0	1	8	0	0.00	0.0	29.620	26	7.2	10.3	17	31			5	5	05
06	65	45	55	-7	40	10	0			0	0.00	0.0	29.830	31	3.5	5.1	9	29			3	2	06
07	67	43	55	-7	41	10	0			0	0.00	0.0	30.070	01	2.5	4.2	13	01			0	0	07
08	74	43	59	-2	48	6	0			0	0.00	0.0	30.270	10	3.3	4.3	9	11			4	2	08
09	79	49	64	3	52	1	0	2	8	0	0.00	0.0	30.200	20	1.2	2.4	9	19			4	3	09
10	83	52	68	7	56	0	3	1	8	0	0.00	0.0	29.960	23	6.0	6.5	15	24			4	4	10
11	83	60	72	12	59	0	7	1	8	0	0.0	0.0	29.875	02	3.2	6.5	10	05			3	5	11
12	66	58	62	2	50	3	0			0	T	0.0	30.050	06	6.5	6.9	10	06			9	10	12
13	79	58	69	9	57	0	4			0	0.00	0.0	29.920	22	6.0	7.5	15	21			9	9	13
14	85	59	72	13	62	0	7	1	8	0	0.00	0.0	29.810	18	5.8	5.9	12	18			1	1	14
15	90*	65	78*	19	64	0	13	1	8	0	T	0.0	29.735	22	6.8	9.1	17	26			4	5	15
16	78	59	69	11	55	0	4			0	0.00	0.0	29.980	36	0.9	6.0	13	35			6	5	16
17	70	53	62	4	50	3	0			0	0.00	0.0	30.290	06	7.5	8.4	13	05			8	6	17
18	77	50	64	6	53	1	0			0	0.00	0.0	30.280	17	2.1	5.2	10	14			6	4	18
19	82	57	70	13	58	0	5			0	0.00	0.0	30.040	21	8.2	8.5	15	22			8	6	19
20	69	56	63	6	57	2	0	1		0	0.35	0.0	30.010	05	7.5	8.2	12	04			10	10	20
21	61	52	57	0	52	8	0	1		0	2.08	0.0	30.040	05	9.1	9.8	14	09			10	10	21
22	64	61	63	7	58	2	0	1		0	0.48	0.0	29.980	06	8.8	9.0	12	05			10	10	22
23	73	58	66	10	58	0	1	1		0	0.05	0.0	30.030	06	6.5	7.2	13	08			9	8	23
24	73	58	66	10	60	0	1	2	8	0	0.01	0.0	29.985	23	0.8	4.2	7	18			10	9	24
25	76	49	63	8	52	2	0	1	8	0	0.00	0.0	29.930	01	4.1	7.1	16	02			3	3	25
26	69	44	57	2	37	8	0			0	0.00	0.0	30.050	03	3.1	5.3	10	08			2	2	26
27	71	44	58	3	45	7	0			0	0.00	0.0	29.970	22	5.5	5.7	14	23			9	9	27
28	65	45	55	1	36	10	0			0	0.00	0.0	30.000	02	7.9	8.4	15	03			9	8	28
29	56	35*	46*	-8	27	19	0			0	0.00	0.0	30.080	03	7.1	7.9	14	05			10	8	29
30	65	44	55	1	41	10	0			0	0.00	0.0	29.880	05	7.3	7.8	12	08			9	10	30
31	65	56	61	7	50	4	0	1		0	0.06	0.0	29.740	05	11.8	12.0	16	07			10	10	31
SUM		SUM		TOTAL		TOTAL		NUMBER OF DAYS		TOTAL		FOR THE MONTH:		TOTAL		% SUM		SUM		SUM		SUM	
2239		1641		114		51		5.09		0.0		29.970		05		1.7		6.9		17		26	
AVG.		AVG.		AVG.		DEP.		PRECIPITATION		DEP.		DATE: 15+		POSSIBLE		MONTH		AVG.		AVG.		AVG.	
72.2		52.9		62.6		4.0		51.8		-107		28		9		1.35						6.7	
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF															
MAXIMUM TEMP.		MINIMUM TEMP.		145		1644		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS		0							
> 90°		< 32°		< 32°		< 0°		DEP.		DEP.		HEAVY FOG		3		2.08		21		0.0		0	
1		0		0		0		-100		308		CLEAR		6		PARTLY CLOUDY		8		CLOUDY		17	

* 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. 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.

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, ASHEVILLE, NORTH CAROLINA, 28801

noaa

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

OCT 1985
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND												
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR °F	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR °F	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)											
OCT 19th																																
01	0	UNL	8		57	55	53	87	19	5	10	100	8		65	62	60	84	22	4	10	5	3	RF	53	51	49	86	03	10		
04	0	UNL	8		57	55	53	87	21	6	10	80	7		64	61	59	84	00	0	10	6	3	RF	53	50	48	83	03	9		
07	8	UNL	7		58	56	54	87	21	5	10	80	7		66	63	61	84	07	6	10	7	3	RF	53	51	49	86	02	8		
10	10	UNL	8		73	64	58	60	22	13	10	8	2	8	F	68	64	61	78	08	10	10	6	5	RF	55	52	50	83	01	9	
13	8	UNL	10		80	68	60	51	24	11	10	5	1	4	RF	62	59	57	84	04	8	10	7	2	RF	56	54	52	87	04	8	
16	9	200	10		79	68	62	56	20	7	10	5	2	8	LF	58	55	53	84	04	10	10	5	2	8	RF	59	57	55	87	08	10
19	7	UNL	9		69	64	61	76	20	6	10	21	7		58	55	52	81	06	7	10	5	5	8	RF	60	58	56	87	09	7	
22	5	UNL	9		67	63	60	78	21	4	10	6	5	RF	57	54	52	84	04	9	10	6	2	RF	61	59	57	87	07	6		
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

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)		
			AIR TEMP °F	WET BULB °F	DEW POINT °F				
01	6	29.970	58	55	52	81	6.1	03	1.3
04	6	29.960	57	54	51	81	5.1	03	1.7
07	6	29.990	56	53	50	81	5.9	03	2.3
10	7	30.010	65	58	52	65	8.3	02	2.5
13	7	29.970	70	60	52	56	8.6	01	1.0
16	7	29.940	70	60	53	57	8.6	11	2.3
19	6	29.960	61	57	53	74	5.5	09	2.3
22	6	29.980	59	55	52	79	5.7	10	1.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 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																								01	
02																									02
03	T	0.02	0.23	0.14	0.05	0.01	0.02	0.44	0.03	T															03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12	T	T	T	T	T	T																			12
13																									13
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21	0.20	0.01	0.03	0.02	0.05	0.06	0.02	0.03	T	0.02	0.08	0.25	0.26	0.28	0.13	0.07	0.03	0.02	T	T	0.05	0.10	0.06	0.12	21
22	0.10	0.04	0.05	0.03	0.02	0.02	T	0.03	0.02	0.05	T	0.03	T	T	0.02	0.03	0.04	T	T	T	0.10	0.12	0.25	0.25	22
23																									23
24	T	0.01	T																						24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31											T	T			0.01	0.01	0.01	0.01	T			T	0.01	0.01	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.15	0.27	0.35	0.43	0.54	0.58	0.63	0.69	0.70	0.76	0.77	0.79
ENDED: DATE	03	03	03	03	03	03	03	03	03	03	03	03
ENDED: TIME	0640	0640	0640	0641	0647	0647	0647	0647	0652	0652	0711	0824

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.

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING
ASHEVILLE, NORTH CAROLINA 28801
ATTN: PUBLICATIONS

RICHMOND, VIRGINIA
USCOMM - NOAA - ASHEVILLE, NC 500

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS