

SEP 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

SEP 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 MINUTES	SKY COVER (TENTHS)		DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT			HEATING (SEASON BEGINS WITH JULI)	COOLING (SEASON BEGINS WITH JAN)		WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED		FASTEST MILE	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET
01	82	64	73	-1	61	0	8	0	0.00	0.0	30.050	08	3.3	5.8	8	14		4	5	01
02	89	63	76	2	63	0	11	8	0.00	0.0	30.020	23	7.4	7.8	13	23		3	2	02
03	90	67	79	5	66	0	14	8	0.00	0.0	29.930	15	1.8	3.1	8	18		1	1	03
04	94	68	81	7	66	0	16	8	0.00	0.0	29.870	26	4.3	6.2	10	31		0	1	04
05	95	70	83	9	67	0	18	8	0.00	0.0	29.840	22	6.4	6.8	10	20		1	1	05
06	94	72	83	10	67	0	18	8	0.00	0.0	29.805	24	7.5	8.3	14	24		1	0	06
07	92	73	83	10	68	0	18	8	0.00	0.0	29.890	36	3.2	4.6	10	01		4	3	07
08	96	73	85	12	69	0	20	1	0.00	0.0	29.870	27	2.2	4.3	8	25		7	5	08
09	95	70	83	11	68	0	18	1	0.00	0.0	29.760	22	4.9	6.9	13	22		3	3	09
10	96*	73	85*	13	67	0	20	1 3	0	T	29.700	25	4.6	6.3	14	36		7	7	10
11	80	66	73	1	57	0	8	8	0.00	0.0	29.840	02	9.3	10.0	14	01		7	7	11
12	73	54	64	-8	45	1	0	0	0.00	0.0	30.005	03	7.0	7.3	13	04		8	8	12
13	67	46	57*	-14	36	8	0	0	0.00	0.0	30.190	01	11.8	12.0	17	01		2	3	13
14	71	44	58	-13	38	7	0	0	0.00	0.0	30.280	01	6.8	7.1	13	02		2	1	14
15	75	44	60	-11	41	5	0	0	0.00	0.0	30.200	02	4.6	5.4	10	03		1	1	15
16	76	44*	60	-10	43	5	0	0	0.00	0.0	30.070	06	2.3	4.0	8	08		7	4	16
17	82	48	65	-5	46	0	0	0	0.00	0.0	30.080	05	2.9	4.5	9	09		1	1	17
18	79	50	65	-5	48	0	0	0	0.00	0.0	30.145	03	3.1	4.0	8	07		8	5	18
19	82	51	67	-2	49	0	2	8	0.00	0.0	30.115	05	3.3	4.0	10	05		0	0	19
20	83	55	69	0	54	0	4	2	0.00	0.0	30.050	18	2.1	3.0	8	19		2	1	20
21	85	59	72	3	58	0	7	1	0.00	0.0	29.950	18	4.4	5.3	10	19		8	6	21
22	76	63	70	2	57	0	5	1	0.94	0.0	29.930	05	4.5	6.0	12	11		10	10	22
23	78	64	71	3	66	0	6	1	0	T	29.870	34	7.6	8.3	13	34		9	9	23
24	87	66	77	10	64	0	12	1	0.01	0.0	29.810	29	3.9	8.3	15	26		8	8	24
25	72	61	67	0	50	0	2	1	0.00	0.0	29.950	02	7.6	7.9	13	02		9	10	25
26	71	59	65	-2	61	0	0	1	1.97	0.0	29.720	02	8.0	8.5	20	01		10	10	26
27	80	62	71	5	57	0	6	1	2.05	0.0	29.515	31	11.8	15.3	28	36		4	6	27
28	72	53	63	-3	48	2	0	0	0.00	0.0	30.080	34	5.3	6.0	14	36		0	0	28
29	75	49	62	-3	50	3	0	0	0.00	0.0	30.160	14	2.4	3.5	9	18		0	0	29
30	78	51	65	0	54	0	0	1	0.00	0.0	30.020	19	3.8	4.2	12	20		2	1	30

* 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.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1985 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND											
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR °F	WET BULB °F	DEN POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	1/8THS MILE	WEATHER	AIR °F	WET BULB °F	DEN POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR °F	WET BULB °F	DEN POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
SEP 1st																																
01	7	40	7		68	64	62	81	04	7	0	UNL	6	H	65	61	58	78	00	0	0	UNL	5	H		70	65	62	76	00	0	
04	10	30	7		66	63	61	84	02	7	0	UNL	6	H	63	59	56	78	20	4	0	UNL	5	H		68	64	61	78	19	5	
07	5	UNL	7		66	63	61	84	02	7	1	UNL	6	H	68	63	60	76	22	5	0	UNL	2	8	H		71	66	63	76	00	0
10	0	UNL	8		78	69	63	60	09	4	4	UNL	6	H	81	72	67	63	23	11	0	UNL	3	H		83	72	67	59	09	4	
13	4	UNL	10		80	68	61	52	04	4	3	UNL	8	H	87	74	68	53	23	10	0	UNL	3	H		89	77	71	55	16	4	
16	5	UNL	10		80	68	61	52	14	7	5	UNL	8	H	87	73	66	50	24	9	2	UNL	3	H		88	75	69	53	18	7	
19	1	UNL	7		73	66	51	66	12	5	1	UNL	7	H	76	69	65	69	20	6	3	UNL	3	H		81	73	69	67	00	0	
22	4	UNL	6	H	68	63	60	76	14	5	0	UNL	7	H	72	66	63	73	21	6	1	UNL	3	H		74	69	66	76	00	0	
SEP 2nd																																
SEP 3rd																																
SEP 4th																																
SEP 5th																																
SEP 6th																																
SEP 7th																																
SEP 8th																																
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SEP 15th																																
SEP 16th																																
SEP 17th																																
SEP 18th																																

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

SEP 1985
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	SKY COVER (TENTHS)				TEMPERATURE				WIND			SKY COVER (TENTHS)	TEMPERATURE				WIND																																													
	0	UNL	VISI-BILITY		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0		UNL	VISI-BILITY		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																									
			CEILING IN HUNDREDS OF FEET	WHOLE MILES										16THS MILE	CEILING IN HUNDREDS OF FEET							WHOLE MILES	16THS MILE																																							
SEP 19th																					SEP 20th																					SEP 21st																				
01	0	UNL	8		55	50	45	69	00	0	0	UNL	8		59	54	50	72	00	0	0	UNL	6		FH	62	57	52	70	00	0																															
04	0	UNL	8		53	49	44	72	00	0	0	UNL	8		56	51	47	72	00	0	0	0	UNL	2		FH	62	60	59	90	20	3																														
07	0	UNL	7		55	50	45	69	35	4	8	UNL	6	4	FH	57	56	55	93	00	0	9	UNL	2		F	62	60	59	90	17	4																														
10	0	UNL	10		73	61	52	48	07	4	4	UNL	0	6	H	76	66	60	58	20	4	8	250	10			79	67	60	52	22	5																														
13	0	UNL	10		80	64	52	38	05	7	0	UNL	8	8		82	65	54	38	32	3	8	250	10			85	69	60	43	19	9																														
16	0	UNL	10		80	63	51	37	06	6	1	UNL	8	8		83	67	56	40	19	7	8	250	10			83	67	57	41	18	4																														
19	0	UNL	9		69	58	50	51	06	5	5	0	UNL	8	8		70	61	55	59	14	4	9	200	10			73	63	57	57	14	5																													
22	0	UNL	8		62	56	50	65	14	4	0	UNL	8	8		65	58	53	65	15	4	8	80	9			68	61	55	63	14	3																														
SEP 22nd																					SEP 23rd																					SEP 24th																				
01	8	80	8		65	59	55	70	14	3	10	2	1	8	LF	64	63	63	97	01	8	1	UNL	4		F	67	65	64	90	30	6																														
04	10	80	7		66	60	56	70	00	0	10	1	0	8	LF	65	65	65	100	32	6	10	11	1	8	F	68	66	65	90	25	5																														
07	10	80	3		65	61	58	78	07	3	10	3	0	12	F	65	63	61	87	35	6	10	3	1	8	F	68	66	65	90	22	7																														
10	10	80	2		74	67	62	66	07	8	8	6	1		F	71	68	67	87	35	7	9	15	5	8	H	74	68	65	74	23	8																														
13	10	25	2		67	61	57	70	10	8	8	12	5		F	77	72	70	79	34	11	4	UNL	7			85	72	66	53	26	13																														
16	10	35	2		65	60	56	73	05	5	9	20	5		F	72	69	67	84	36	9	8	30	7			83	72	66	57	28	6																														
19	10	4	1		64	59	55	73	04	9	7	30	6		F	70	68	66	87	34	5	8	40	8			76	70	66	71	01	9																														
22	10	2	4		64	59	55	73	35	7	9	6	5		F	69	67	66	90	34	5	10	80	8			69	63	59	71	01	8																														
SEP 25th																					SEP 26th																					SEP 27th																				
01	10	80	8		65	57	50	59	01	8	10	75	10			63	57	53	70	06	5	10	4	3		RF	67	65	63	87	35	21																														
04	10	90	8		63	54	46	54	02	10	7	80	10			60	57	54	81	36	5	10	3	3		RF	66	64	62	87	35	19																														
07	10	90	8		62	54	47	58	36	5	10	9	9			62	59	56	81	35	6	10	11	7			67	64	62	84	30	16																														
10	10	80	10		64	56	49	58	02	9	10	10	8			68	64	61	78	36	7	7	250	10			71	62	56	59	28	15																														
13	8	80	10		69	58	48	47	03	8	10	10	7			71	67	64	79	03	7	1	UNL	15			78	65	56	47	25	11																														
16	9	80	10		70	58	49	47	06	7	10	5	1	8	RF	69	67	66	90	01	9	1	UNL	15			79	63	51	38	25	11																														
19	10	80	10		66	59	54	65	02	4	10	5	1	8	RF	69	67	66	90	03	9	6	40	15			70	60	53	55	34	9																														
22	10	80	10		64	59	55	73	02	5	10	5	1	8	RF	68	66	65	90	03	10	5	UNL	12			63	57	52	68	28	7																														
SEP 28th																					SEP 29th																					SEP 30th																				
01	0	UNL	12		60	53	47	62	32	7	0	UNL	10			52	50	48	86	00	0	1	UNL	7			55	53	51	87	14	3																														
04	0	UNL	8		54	51	48	80	32	4	0	UNL	7			50	49	47	90	00	0	0	UNL	7			53	51	49	86	00	0																														
07	0	UNL	8		55	51	47	75	31	5	0	UNL	7			51	49	47	86	00	0	0	UNL	7			52	50	48	86	00	0																														
10	0	UNL	10		67	55	45	45	33	12	0	UNL	8			69	58	50	51	17	5	1	UNL	6			71	64	59	66	20	6																														
13	0	UNL	15		70	57	46	42	36	11	0	UNL	15			72	59	49	44	12	5	5	UNL	10		H	78	65	56	47	19	8																														
16	0	UNL	15		72	58	46	40	36	5	0	UNL	15			75	61	51	43	18	7	3	UNL	10			77	64	55	47	18	7																														
19	0	UNL	15		61	56	51	70	00	0	0	UNL	10			62	57	53	73	13	4	0	UNL	10			64	60	57	78	15	3																														
22	0	UNL	15		55	52	50	83	00	0	0	UNL	10			58	55	52	81	15	4	0	UNL	10			60	57	55	84	15	3																														

SUMMARY BY HOURS

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	AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	3	29.950	64	58	54	72	4.6	35		2.4	
04	3	29.940	62	57	54	75	5.3	34		2.2	
07	5	29.980	63	58	54	74	5.7	33		3.0	
10	4	30.000	76	65	58	56	8.4	35		2.3	
13	4	29.970	80	67	58	47	8.8	35		1.9	
16	4	29.930	80	66	57	47	8.2	34		0.6	
19	4	29.940	71	63	57	63	6.0	05		1.5	
22	4	29.960	66	60	56	71	4.9	02		1.2	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 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																									03
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19																									19
20																									20
21																									21
22											T		0.07	0.18	0.35	0.05	0.12	0.08	0.08	0.01					22
23	T	T		T	T	T	T														T				23
24																				0.01					24
25																									25
26													T	T	0.04	0.19	0.09	0.22	0.17	0.18	0.27	0.20	0.26	0.35	26
27	0.47	0.83	0.47	0.17	0.08	0.03	T																		27
28																									28
29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.13	0.25	0.31	0.38	0.49	0.69	0.83	1.04	1.25	1.39	1.61	1.77
ENDED: DATE	27	27	27	27	27	27	27	27	27	27	27	27
ENDED: TIME	0109	0111	0116	0121	0131	0146	0159	0221	0241	0241	0241	0259

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.

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