

SEP 1984
 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 1984
 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 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	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	TO MIDNIGHT	DATE	
01	86	55	71	-3	54	0	6		0	0.00	0.0	29.900	36	2.4	2.5	12	36	694	89	7	6	01
02	97	58	78	4	62	0	13		0	0.00	0.0	29.840	22	4.8	4.8	12	22	713	92	7	6	02
03	99*	68	84*	10	65	0	19	1 3 8	0	0.38	0.0	29.680	24	6.0	6.9	18	24	685	88	2	5	03
04	76	64	70	-4	64	0	5	1 3 8	0	0.24	0.0	29.750	34	2.4	5.3	15	35	27	3	10	10	04
05	76	57	67	-7	53	0	2		0	0.00	0.0	29.930	01	5.9	6.3	13	36	570	74	3	4	05
06	74	51	63	-10	51	2	0		0	T	0.0	30.060	02	5.9	6.4	12	01	615	80	6	5	06
07	75	47	61	-12	47	4	0		0	0.00	0.0	30.200	07	2.2	2.6	8	10	717	94	2	2	07
08	78	47	63	-10	52	2	0		0	0.00	0.0	30.220	11	3.5	4.1	13	13	728	95	3	1	08
09	80	54	67	-5	59	0	2		0	0.00	0.0	30.040	11	4.7	4.9	13	12	462	61	8	7	09
10	83	62	73	1	64	0	8		0	0.00	0.0	29.850	11	3.2	3.5	14	12	483	64	9	8	10
11	87	63	75	3	66	0	10	1 8	0	T	0.0	29.800	19	1.1	1.1	9	19	353	47	10	9	11
12	85	65	75	3	67	0	10	2 8	0	0.02	0.0	29.880	03	7.9	8.5	18	01	294	39	9	10	12
13	83	67	75	4	68	0	10	1 8	0	0.01	0.0	29.910	05	5.4	5.9	10	11	189	25	10	10	13
14	86	67	77	6	69	0	12	1 3 8	0	0.52	0.0	29.710	05	3.6	4.0	21	34	365	49	10	9	14
15	77	56	67	-4	59	0	2	1	0	0.03	0.0	29.740	35	7.1	7.8	17	01	235	31	8	8	15
16	69	47	58	-12	44	7	0		0	0.00	0.0	30.100	02	4.9	5.0	14	02	701	94	1	0	16
17	72	43	58	-12	43	7	0		0	0.00	0.0	30.215	04	2.8	3.2	12	03	742	100	2	1	17
18	73	44	59	-11	47	6	0		0	0.00	0.0	30.115	06	2.3	2.5	9	05	600	81	10	8	18
19	79	43*	61	-8	49	4	0	1 8	0	0.00	0.0	29.890	33	0.5	0.7	6	31	737	100	0	0	19
20	88	49	69	0	55	0	4	1 8	0	0.00	0.0	29.730	21	3.5	3.5	10	21	735	100	0	0	20
21	87	56	72	3	59	0	7	1 8	0	0.00	0.0	29.830	05	2.8	3.5	10	01	732	100	0	1	21
22	83	59	71	3	57	0	6	1 8	0	0.00	0.0	30.105	11	2.1	2.3	14	11	514	70	5	6	22
23	90	52	71	3	58	0	6	1 8	0	0.00	0.0	30.090	20	2.9	3.1	10	19	598	82	3	3	23
24	89	61	75	8	64	0	10	1 8	0	0.00	0.0	29.970	22	3.0	3.2	10	23	521	72	8	8	24
25	90	66	78	11	65	0	13	1 8	0	T	0.0	29.870	34	0.8	0.9	7	30	395	55	6	5	25
26	89	59	74	7	56	0	9	1 8	0	0.00	0.0	29.900	36	7.9	9.1	20	01	408	57	9	7	26
27	60	50	55	-11	41	10	0	1	0	0.09	0.0	30.130	02	10.6	10.9	18	02	30	4	10	10	27
28	52	48	50*	-16	47	15	0	1	0	0.09	0.0	30.005	01	10.5	11.0	14	03	0	0	10	10	28
29	56	48	52	-13	50	13	0	1	0	0.09	0.0	29.910	01	12.9	13.0	17	02	0	0	10	10	29
30	69	54	62	-3	53	3	0	1	0	0.39	0.0	29.880	05	8.7	10.0	16	09	312	44	10	10	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL			FOR THE MONTH:				TOTAL	%	SUM	SUM	
2388	1660					73	154			1.86	0.0	29.940	02	2.7	5.2	21	34	14155	FOR	188	179	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.								DATE: 14	POSSIBLE	MONTH	AVG.	AVG.
79.6	55.3	67.5	-2.7	56.2	49	-26		> .01 INCH.	10	-1.66								22363	63	6.3	6.0	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF								
MAXIMUM TEMP.		MINIMUM TEMP.				73	1397	THUNDERSTORMS	3	PRECIPITATION		SNOW, ICE PELLETS										
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	HEAVY FOG	1	0.62	03-04	0.0										
4	0	0	0			49	84	CLEAR	10	PARTLY CLOUDY	5	CLOUDY	15									

* 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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Kenneth D. Haden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

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 NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1984 RICHMOND, VIRGINIA 13740

HOUR L.S.T.	SEP 19th						SEP 20th						SEP 21st																								
	SKY COVER (TENTHS)		VISI-BILITY		WEATHER		TEMPERATURE			WIND			SKY COVER (TENTHS)		VISI-BILITY		WEATHER		TEMPERATURE			WIND															
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	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	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	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)								
01	0	UNL	10			48	47	46	93	00	0	0	0	UNL	7				53	50	48	83	00	0	0	0	UNL	6			FH	60	58	57	90	00	0
04	0	UNL	8			46	45	43	89	00	0	0	0	UNL	7				50	49	47	90	00	0	0	0	UNL	5			FH	57	56	55	93	00	0
07	0	UNL	4		F	49	48	47	93	00	0	0	0	UNL	4			FH	52	51	50	93	00	0	0	0	UNL	3			FH	59	58	58	97	00	0
10	0	UNL	7			68	60	53	59	00	0	0	0	UNL	5			H	76	66	59	56	21	3	0	0	UNL	5			H	78	67	61	56	03	6
13	0	UNL	7			75	61	51	43	00	0	0	0	UNL	7				87	69	58	38	21	7	0	0	UNL	5			H	86	70	61	43	06	3
16	0	UNL	10			78	62	50	38	00	0	0	0	UNL	7				86	67	56	36	22	8	0	0	UNL	5			H	85	70	62	46	06	5
19	0	UNL	12			64	57	51	63	00	0	0	0	UNL	7				67	61	57	70	20	6	2	0	UNL	5			H	72	66	62	71	10	4
22	0	UNL	10			56	53	50	80	00	0	0	0	UNL	7				62	59	56	81	00	0	0	0	UNL	5			H	65	62	59	81	00	0
SEP 22nd						SEP 23rd						SEP 24th																									
01	10	35	7			62	60	58	87	00	0	0	0	UNL	10				59	58	57	93	00	0	0	3	UNL	12				64	62	60	87	00	0
04	10	35	8			64	61	59	84	00	0	0	0	UNL	8				55	54	53	93	00	0	0	8	250	12				64	63	62	93	00	0
07	10	46	6			64	61	59	84	00	0	0	0	UNL	0	12	F		55	55	54	97	00	0	0	9	100	7				67	65	63	87	00	0
10	0	UNL	7		H	76	65	57	52	14	5	2	0	UNL	7				78	69	63	60	20	7	5	0	UNL	7				80	70	64	58	24	3
13	5	UNL	10			82	67	57	43	09	4	4	1	UNL	15				88	71	61	40	18	7	8	0	UNL	7				86	71	62	45	22	7
16	8	UNL	15			80	65	55	42	00	0	0	4	UNL	15				87	68	57	36	19	6	10	120	5			H	88	72	63	43	23	9	
19	8	UNL	12			67	61	57	70	00	0	0	7	250	15				70	63	58	66	00	0	10	120	7				79	71	66	65	00	0	
22	5	UNL	12			62	59	57	84	00	0	0	6	UNL	12				64	62	60	87	00	0	8	250	7				74	68	65	74	00	0	
SEP 25th						SEP 26th						SEP 27th																									
01	9	120	6		F	70	66	64	81	00	0	0	0	UNL	6		H	68	66	65	90	00	0	9	55	15				59	50	40	50	02	11		
04	5	UNL	2		F	67	65	64	90	00	0	0	0	UNL	5		H	65	63	62	90	00	0	8	55	15				55	47	37	51	02	16		
07	10	100	6		F	68	66	64	87	00	0	0	8	UNL	3		FH	66	65	64	93	00	0	9	60	15				51	45	39	64	01	12		
10	10	100	2		FH	75	70	67	76	34	4	8	250	5		H	85	71	64	50	30	5	10	80	15				55	47	38	53	04	12			
13	4	UNL	5		H	87	74	67	52	00	0	10	80	6		H	81	67	59	47	02	16	10	80	15				57	48	39	51	03	7			
16	3	UNL	7			90	72	62	39	30	6	10	80	10				65	56	48	54	36	11	10	30	12				55	48	41	60	35	7		
19	0	UNL	7			76	69	65	69	00	0	10	50	10				63	55	48	58	01	7	10	33	12				53	49	44	72	01	7		
22	0	UNL	6		H	69	67	65	87	00	0	10	50	12				64	53	43	47	01	12	10	5	2			RF	50	49	47	90	36	8		
SEP 28th						SEP 29th						SEP 30th																									
01	10	5	2		RLF	50	49	48	93	02	8	10	4	4		LF	49	48	47	93	36	10	10	46	7				56	53	51	83	01	9			
04	10	5	2		LF	51	50	49	93	03	11	10	4	5		RF	50	49	47	90	36	10	10	46	7				55	53	51	87	36	9			
07	10	5	2		LF	51	49	47	86	01	10	10	5	7				51	50	49	93	36	10	9	45	7				55	52	49	80	03	12		
10	10	6	2		LF	50	49	47	90	03	8	10	5	5		L	53	51	49	86	01	13	9	120	10				64	58	53	68	05	11			
13	10	5	2		LF	50	49	47	90	35	10	10	5	2		LF	54	52	51	90	02	13	10	25	15				67	59	52	59	08	10			
16	10	5	2		LF	50	49	47	90	35	10	10	7	1		LF	56	54	53	90	02	12	10	28	15				65	58	53	65	10	7			
19	10	5	2		LF	49	48	47	93	36	10	10	12	7				56	54	52	87	01	11	10	35	7		R		60	57	55	84	05	7		
22	10	5	5		F	49	48	47	93	35	10	10	40	7				56	54	52	87	36	9	10	40	5		R		58	56	55	90	04	6		

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.940	59	57	55	86	2.7	36	1.6
04	5	29.930	58	56	55	87	3.1	01	2.8
07	6	29.960	60	58	56	87	3.8	02	2.9
10	6	29.970	72	64	58	64	7.0	04	3.7
13	6	29.950	77	65	57	53	7.9	04	3.6
16	7	29.910	76	64	56	53	8.8	03	2.0
19	6	29.920	67	61	56	70	4.4	03	2.4
22	5	29.950	62	58	56	83	2.5	01	2.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 1984
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	
04	0.01	0.17	0.03	0.01	T	0.01	0.01		T	T	T	T	T	T								T	0.38	T	04
05																								05	
06				T	T	T	T																	06	
07																								07	
08																								08	
09																								09	
10																								10	
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23																								23	
24																								24	
25																								25	
26																								26	
27																								27	
28	0.01	0.02	0.02	T	T	0.01	0.01	T	0.01	T	T	T	T	T	T	T	T	0.01	T	T	0.04	0.01	0.04	28	
29	T	T	0.05	0.03	0.01	T	T	T	T	T	T	T	T	T	T	T	T	0.01	T	T	0.02	0.20	0.12	29	
30																								30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	M	M	M	M	M	M	M	M	M	M	M	M
ENDED: DATE												
ENDED: TIME												

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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