

AUG 1987
 RICHMOND, VA
 NAT'L WEA SER OFC
 BOX A-63, RICHMOND INT'L AIRPORT

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

AUG 1987
 RICHMOND, VA

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°F		WEATHER TYPES	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	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)	ELEV. FEET ABOVE M.S.L.	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FATEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MINIGHT TO MIDNIGHT		
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
01	89	70	80	2	72	0	15	1 3	8	0	0	0.00	29.745	08	5.8	6.9	22	E	14	10	551	65	8	8
02	94	70	82	4	71	0	17	2	8	0	0.00	29.720	15	6.5	7.7	18	S	12	14	587	70	7	6	
03	99	74	87	9	71	0	22	1	8	0	0.00	29.620	19	2.7	8.0	18	SE	13	24	801	95	1	1	
04	96	74	85	7	73	0	20	1 3	8	0	0.00	29.590	06	0.5	7.0	21	N	17	36	593	71	7	5	
05	98	73	86	8	73	0	21	1 3	8	0	0.07	29.600	21	1.0	7.4	28	NE	16	20	627	75	7	8	
06	84	71	78	0	70	0	13	1	8	0	0.00	29.795	01	9.3	10.4	18	NE	15	04	340	41	8	7	
07	91	70	81	3	69	0	16	1	8	0	0.00	29.870	12	3.6	7.1	16	SE	9	15	619	74	8	6	
08	93	71	82	4	71	0	17	1	8	0	0.00	29.810	19	7.2	8.2	21	SW	12	16	734	88	4	3	
09	98	74	86	8	73	0	21	1	8	0	0.00	29.690	21	13.1	13.5	30	SW	20	20	676	82	7	6	
10	96	77	87*	9	69	0	22	1	8	0	0.00	29.630	33	4.2	11.7	26	NE	17	02	600	73	7	6	
11	86	66	76	-2	60	0	11			0	0.00	29.800	04	8.2	9.1	28	NE	15	03	700	85	4	4	
12	85	60	73	-4	61	0	8			0	0.00	29.850	08	6.5	8.0	24	E	13	10	612	74	5	4	
13	86	62	74	-3	60	0	9			0	0.00	29.940	08	7.4	9.1	23	E	14	08	700	85	3	2	
14	88	59	74	-3	65	0	9			0	0.00	29.950	06	7.3	9.5	21	E	14	09	580	71	5	3	
15	85	68	77	0	68	0	12	1		0	0.00	29.910	07	9.2	10.1	20	E	15	07	542	66	8	8	
16	92	73	83	6	72	0	18	1		0	0.00	29.810	24	0.9	6.1	13	SW	9	21	518	64	7	7	
17	99*	70	85	8	70	0	20			0	0.00	29.730	22	10.0	10.3	21	SW	15	23	700	86	2	2	
18	96	73	85	8	69	0	20		8	0	0.00	29.750	03	3.2	8.2	23	N	16	01	704	87	3	4	
19	81	70	76	-1	71	0	11	1 3	8	0	0.37	29.800	29	0.8	5.8	17	SW	14	23	211	26	9	8	
20	88	64	76	0	63	0	11	2	8	0	0.00	29.910	36	4.8	6.2	22	N	15	36	721	89	4	4	
21	91	62	77	1	60	0	12			0	0.00	30.025	15	0.8	6.9	18	E	12	18	725	90	6	6	
22	93	72	83	7	69	0	18	1	8	0	0.07	29.850	22	8.7	11.2	32	N	20	35	623	78	9	9	
23	80	61	71	-5	56	0	6	1		0	0.01	29.875	36	8.0	9.4	26	N	16	35	677	85	4	4	
24	80	56*	68	-8	48	0	3			0	0.00	30.050	03	3.1	7.4	16	W	12	05	703	88	5	3	
25	79	57	68*	-8	58	0	3			0	0.07	30.050	20	4.4	6.5	16	SW	12	24	289	36	9	8	
26	77	67	72	-4	66	0	7	1	8	0	0.00	30.000	10	3.8	5.7	12	E	9	10	0	0	10	9	
27	97	70	84	9	71	0	19	1 3	8	0	0.00	29.840	23	10.2	11.4	28	W	18	23	653	83	2	5	
28	98	69	84	9	68	0	19	1 3	8	0	0.07	29.810	24	6.9	9.6	29	N	16	22	689	87	9	8	
29	87	68	78	-3	62	0	13			0	0.00	29.875	34	7.1	9.8	22	N	13	35	702	89	6	7	
30	83	60	72	-3	56	0	7			0	0.00	30.010	06	4.1	8.0	18	NE	12	03	480	61	6	6	
31	80	64	72	-3	66	0	7	1		0	0.52	29.890	17	4.4	6.3	18	SW	13	20	0	0	10	9	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:							TOTAL	%	SUM	SUM	
2769	2095					0	427			1.11	0.0	29.830	11	0.7	8.5	32	N	20	35	17657		190	176	
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	0	6.1	PRECIPITATION			0.52	0.0	DATE: 22							POSSIBLE	MONTH	AVG.	AVG.	
89.3	67.6	78.5	1.7	66.1		0	6.1	≥ .01 INCH.			6	-3.90								25250	70	6.1	5.7	
NUMBER OF DAYS				SEASON TO DATE				SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
MAXIMUM TEMP.				MINIMUM TEMP.				≥ 1.0 INCH		PRECIPITATION				SNOW, ICE PELLETS										
≥ 90°				≤ 32°				0		1407				6										
DEP.				DEP.				HEAVY FOG		2				0										
15				0				0		274				5										
0				0				0		16				10										

* 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.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1987
RICHMOND, VA 13740

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY	HEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY	HEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY	HEATHER	TEMPERATURE				WIND	
			WHOLE	TENTHS			AIR of	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)				AIR of	NET BULB of			DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE	TENTHS				AIR of	NET BULB of			DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE	TENTHS
AUG 1st																																						
01	10	250	4		FH	73	72	71	94	00	0	5	UNL	2		FH	72	71	71	97	09	5	0	UNL	7		F	76	74	73	91	18	7					
04	10	250	2		FH	71	70	70	97	07	4	10	250	0	4	FH	71	71	71	100	11	5	0	UNL	5		F	74	73	73	97	19	6					
07	9	100	2		FH	72	71	71	97	36	5	10	250	0	2	FH	71	71	71	100	11	3	0	UNL	5		H	78	74	72	82	22	10					
10	4	UNL	3		H	82	76	73	74	13	7	6	20	6		H	83	75	71	67	18	8	0	UNL	5		H	90	78	73	58	28	10					
13	10	250	3		H	86	76	72	63	05	6	5	UNL	6		H	89	75	69	52	19	10	2	UNL	5		H	96	77	68	40	32	6					
16	10	250	2		TRWH	83	75	72	70	06	7	8	UNL	6		H	92	75	67	44	22	3	3	UNL	6		H	97	77	68	39	08	7					
19	10	250	2		H	81	75	72	74	09	11	9	UNL	6		H	85	76	72	65	14	10	1	UNL	6		H	91	76	70	50	09	5					
22	5	UNL	2		H	75	73	72	90	08	4	4	UNL	7		H	79	76	74	85	14	5	0	UNL	6		H	80	75	73	79	16	5					
AUG 2nd																																						
AUG 3rd																																						
AUG 4th																																						
AUG 5th																																						
AUG 6th																																						
AUG 7th																																						
AUG 8th																																						
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AUG 14th																																						
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AUG 17th																																						
AUG 18th																																						

WEATHER CODES

- | | | | |
|------------------|---------------------|------------------------|------------------|
| * TORNADO | ZL FREEZING DRIZZLE | IPW ICE PELLET SHOWERS | BN BLOWING SAND |
| T THUNDERSTORM | S SNOW | A HAIL | BS BLOWING SNOW |
| Q SQUALL | SW SNOW SHOWERS | F FOG | BY BLOWING SPRAY |
| R RAIN | SG SNOW GRAINS | IF ICE FOG | K SMOKE |
| RW RAIN SHOWERS | SP SNOW PELLETS | GF GROUND FOG | H HAZE |
| ZR FREEZING RAIN | IC ICE CRYSTALS | BD BLOWING DUST | D DUST |
| L DRIZZLE | IP ICE PELLETS | | |

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).

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 1987
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																T	T							02	
03																								03	
04																								04	
05																	T	0.07	T					05	
06																								06	
07																								07	
08																								08	
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14																								14	
15																T							T	15	
16	T																							16	
17																								17	
18																								18	
19					0.01	0.06	0.11	T	0.02	T	T	0.01	0.01	0.06	0.09	T								19	
20																								20	
21																								21	
22																								22	
23	0.01	T	T																					23	
24																								24	
25																								25	
26																								26	
27																								27	
28																								28	
29																								29	
30																								30	
31												0.20	0.13	0.11	0.01	0.01	0.03	0.03						31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.09	0.17	0.20	0.24	0.27	0.28	0.29	0.36	0.42	0.43	0.44	0.45
ENDED: DATE	31	31	31	31	31	31	31	31	31	31	31	31
ENDED: TIME	1152	1157	1201	1205	1205	1219	1233	1307	1315	1331	1331	1421

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:
DICK WOLF

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