

AUG 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

AUG 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 H.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)	
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING ISEASON BEGINS WITH JUL	COOLING ISEASON 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	68	75	-3	68	0	10	1	8	0	0.05	0.0	29.720	01	6.8	8.7	16	02	9	9	01
02	82	62	72	-6	57	0	7			0	T	0.0	29.910	03	7.7	8.3	15	05	5	4	02
03	83	58	71	-7	56	0	6			0	0.00	0.0	30.030	07	3.7	5.5	12	03	3	2	03
04	83	59	71	-7	56	0	6			0	0.00	0.0	30.040	10	3.3	4.8	12	10	1	1	04
05	82	58	70*	-8	59	0	5			0	0.00	0.0	30.020	09	4.6	5.5	10	10	8	7	05
06	86	67	77	-1	62	0	12			0	0.09	0.0	29.970	17	4.2	5.8	12	17	8	9	06
07	89	70	80	2	62	0	15			0	0.01	0.0	29.890	19	7.7	8.3	16	20	8	8	07
08	89	71	80	2	70	0	15	1	3	0	1.17	0.0	29.790	21	3.7	5.8	12	21	10	9	08
09	88	68	78	0	68	0	13	2	8	0	0.00	0.0	29.820	06	4.3	5.2	9	04	7	5	09
10	88	70	79	1	68	0	14	2		0	0.00	0.0	29.810	04	5.1	6.0	9	07	7	5	10
11	91	69	80	2	68	0	15			0	0.00	0.0	29.810	05	0.5	3.9	6	15	2	2	11
12	89	73	81	4	67	0	16	1	8	0	0.00	0.0	29.880	05	2.8	5.9	12	04	0	1	12
13	95	71	83	6	70	0	18			0	T	0.0	29.910	16	5.0	5.3	9	16	6	5	13
14	100*	75	88*	11	70	0	23			0	0.00	0.0	29.890	21	6.4	7.0	10	21	2	3	14
15	97	74	86*	9	63	0	21			0	0.00	0.0	29.840	24	10.2	10.8	15	22	0	0	15
16	98	69	84	7	67	0	19	1	3	8	1.03	0.0	29.810	24	3.3	7.1	23	30	6	6	16
17	79	72	76	-1	67	0	11	1	8	0	0.15	0.0	29.885	04	4.7	6.3	9	13	10	10	17
18	82	70	76	-1	68	0	11	1	3	8	5.58	0.0	29.770	08	8.5	10.3	17	11	10	10	18
19	86	70	78	1	70	0	13	1	8	0	0.12	0.0	29.780	35	5.4	6.9	15	35	7	6	19
20	91	69	80	4	70	0	15	1	3	8	0.70	0.0	29.845	35	2.9	4.4	12	25	8	7	20
21	83	68	76	0	66	0	11	1	8	0	T	0.0	29.830	01	5.2	6.4	12	05	8	9	21
22	81	62	72	-4	58	0	7			0	0.00	0.0	29.885	36	6.7	6.9	10	35	6	6	22
23	83	58*	71	-5	55	0	6			0	0.00	0.0	29.960	26	1.7	4.1	8	26	5	3	23
24	84	60	72	-4	57	0	7			0	0.01	0.0	29.920	17	7.9	8.1	14	18	8	7	24
25	88	68	78	2	66	0	13	1	8	0	0.57	0.0	29.850	18	7.5	7.9	23	16	9	9	25
26	88	71	80	4	68	0	15	1	8	0	0.28	0.0	29.965	21	7.9	8.9	16	24	8	8	26
27	88	71	80	5	65	0	15			0	0.00	0.0	30.060	25	6.1	6.9	10	24	9	9	27
28	87	67	77	2	61	0	12			0	0.00	0.0	30.060	33	3.8	4.6	9	36	3	3	28
29	90	64	77	2	63	0	12	1	8	0	0.00	0.0	29.970	22	3.0	4.3	10	24	0	1	29
30	92	69	81	6	66	0	16			0	0.82	0.0	29.760	23	7.8	8.4	18	21	7	7	30
31	88	68	78	3	62	0	13			0	0.00	0.0	29.800	02	5.8	6.9	13	36	8	7	31
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	Σ	SUM	SUM		
2711	2089					0	392			10.58	0.0	29.890	16	0.3	6.6	23	16		FOR	188	178
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.					DATE: 25+	POSSIBLE	MONTH	AVG.	AVG.		
87.5	67.4	77.5	0.7	64.3		0	26			5.57								6.1	5.7		
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF													
				> 1.0 INCH				SNOW, ICE PELLETS													
MAXIMUM TEMP.		MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS													
> 90°		< 32°		5		5.58		0.0													
8		0		0		247		CLEAR 8		PARTLY CLOUDY 9		CLOUDY 14									

* 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. Walden

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1985
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			VISI-BILITY			WEATHER	TEMPERATURE				WIND																																													
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR of		WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																													
AUG 19th																						AUG 20th																						AUG 21st																					
01	10	6	5	RF	74	72	71	90	30	7	2	UNL	5	FH	72	71	71	97	00	0	10	100	6	F	76	73	72	88	32	4																																			
04	10	5	2	LF	71	70	70	97	35	12	0	UNL	5	FH	70	69	69	97	00	0	10	5	2	F	74	73	72	94	35	3																																			
07	10	3	1	F	70	69	68	93	33	8	4	UNL	2	FH	74	72	71	90	32	5	10	25	2	F	74	70	68	82	28	5																																			
10	10	4	2	F	72	69	68	87	35	8	7	200	4	H	82	73	68	63	36	6	10	10	2	H	80	72	68	67	34	7																																			
13	10	12	7		78	73	71	79	32	7	9	200	5	H	90	76	70	52	24	3	9	25	5	H	79	70	65	62	01	5																																			
16	4	UNL	6	H	85	75	71	63	32	4	10	45	5	H	83	74	70	65	05	6	3	UNL	6	H	80	70	65	60	05	10	5																																		
19	1	UNL	6	H	78	73	71	79	19	4	10	30	3	H	76	72	70	82	05	7	7	70	6	H	75	69	65	71	06	5																																			
22	0	UNL	6	H	74	71	70	87	00	0	10	23	3	RWFH	75	73	72	90	33	7	9	70	5	H	70	65	62	76	03	5																																			
AUG 22nd																						AUG 23rd																						AUG 24th																					
01	10	70	5	H	69	65	62	79	01	5	0	UNL	10		62	58	55	78	00	0	0	UNL	8		63	59	55	75	19	4																																			
04	10	70	5	H	69	64	60	73	34	5	0	UNL	10		59	56	53	81	35	4	0	UNL	8		60	56	52	75	20	4																																			
07	6	70	5	H	68	62	57	68	36	8	7	UNL	7		63	59	55	75	35	4	0	UNL	7		65	60	56	73	00	0																																			
10	8	40	7		73	64	58	60	36	7	8	200	7		74	63	56	54	00	0	10	UNL	10		78	66	58	50	19	8																																			
13	7	UNL	7		78	65	57	49	35	9	8	UNL	7		81	65	55	41	26	6	10	90	10		81	66	57	44	19	11																																			
16	6	40	7		78	65	56	47	35	7	2	UNL	10		82	66	55	40	21	6	9	200	10		79	67	59	51	16	9																																			
19	3	UNL	7		71	62	56	59	02	6	0	UNL	10		72	64	58	62	19	5	10	38	7		75	64	56	52	16	7																																			
22	0	UNL	10		64	59	56	75	36	5	0	UNL	8		65	59	55	70	16	3	10	38	6		72	64	59	64	18	9																																			
AUG 25th																						AUG 26th																						AUG 27th																					
01	10	40	7		69	63	59	71	18	5	2	UNL	6	H	73	69	66	79	19	5	8	70	10		74	68	64	71	20	7																																			
04	10	30	7		71	64	60	68	18	8	7	80	6	H	72	58	66	82	20	6	6	70	10		72	67	64	76	25	7																																			
07	10	19	2	RWH	70	66	63	79	00	0	8	UNL	5	FH	74	70	67	79	21	6	10	80	7		73	68	65	76	24	6																																			
10	10	12	2	FH	76	71	69	79	21	8	9	16	7	FH	80	72	68	67	18	7	9	250	7		81	73	69	67	22	5																																			
13	8	100	4	H	84	75	71	65	18	10	8	35	7		86	75	70	59	18	11	10	UNL	7		87	71	63	45	29	9																																			
16	10	35	5	H	84	74	69	61	16	14	7	35	8		82	75	71	69	25	8	10	90	7		84	71	64	51	24	8																																			
19	10	35	7		74	70	67	79	19	4	8	70	10		78	71	68	72	22	7	8	250	7		79	70	65	62	27	5																																			
22	10	40	8		73	69	67	82	17	6	10	40	8	RW	78	71	67	69	24	14	10	250	5	H	76	69	65	69	26	6																																			
AUG 28th																						AUG 29th																						AUG 30th																					
01	9	200	5	H	73	67	64	74	27	5	0	UNL	5	H	67	62	59	76	21	3	7	80	5	H	74	69	66	76	24	7																																			
04	5	UNL	4	H	69	65	62	79	34	4	0	UNL	4	FH	66	62	59	78	00	0	4	UNL	5	H	72	67	64	76	27	4																																			
07	4	UNL	4	H	69	64	60	73	33	6	0	UNL	2	FH	67	62	59	76	00	0	3	UNL	5	H	72	67	64	76	19	6																																			
10	2	UNL	6	H	81	68	61	51	01	7	0	UNL	3	H	83	71	64	53	15	5	5	UNL	6	H	84	74	69	61	23	9																																			
13	3	UNL	7		86	71	62	45	29	6	1	UNL	3	H	89	73	64	44	30	8	7	250	6	H	91	77	71	52	22	11																																			
16	4	UNL	7		83	69	60	46	34	5	2	UNL	5	H	88	73	65	47	22	6	8	40	10	T	85	73	67	55	21	12																																			
19	0	UNL	6	H	79	67	59	51	29	5	6	250	5	H	82	71	65	57	00	0	10	250	7		80	70	65	60	19	8																																			
22	0	UNL	5	H	70	65	61	73	00	0	2	UNL	5	H	74	68	65	74	19	6	10	45	8		75	67	62	64	25	7																																			
AUG 31st																																																																	
01	8	UNL	7		73	66	61	66	30	5																																																							
04	5	UNL	7		72	65	60	66	00	0																																																							
07	10	60	7		76	66	60	58	34	7																																																							
10	10	55	7		82	69	62	51	36	10																																																							
13	8	30	7		88	72	63	43	04	7																																																							
16	5	UNL	7		81	69	63	54	02	9																																																							
19	3	UNL	7		75	67	62	64	06	6																																																							
22	5	UNL	7		68	64	61	78	05	5																																																							

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP of	WET BULB of	DEN POINT of				
01	5	29.880	71	67	64	79	4.4	22	1.5
04	5	29.870	69	66	63	81	5.0	28	1.5
07	6	29.900	71	67	64	79	6.0	33	2.7
10	7	29.920	80	70	65	62	8.1	03	0.6
13	7	29.890	85	72	65	52	9.2	23	0.7
16	6	29.860	84	71	64	53	8.8	12	1.8
19	6	29.870	78	69	64	65	6.5	13	2.5
22	5	29.900	73	67	64	75	5.9	18	2.0

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 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
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17																									17
18	0.07	0.03	T	0.05	0.01	0.06	0.09	0.17	0.17	0.19	0.04														18
19	0.06	0.02	0.02	0.02	T	0.06	0.09	0.17	T	T	0.04														19
20																									20
21	T																								21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30	0.07																								30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.54	0.63	0.72	0.89	1.21	1.64	1.89	2.19	2.78	3.01	3.23	3.49
ENDED: DATE	20	20	18	18	18	18	18	18	18	18	18	18
ENDED: TIME	2227	2227	1751	1756	1806	1818	1832	1850	1912	1925	1917	1959

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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