

JUL 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

JUL 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)			
	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	PERCENT OF TOTAL POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT 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
01	74	65	70*	-7	62	0	5	1	8	0	0.14	0.0	29.960	04	7.6	8.3	15	02		10	10	01
02	84	63	74	-3	65	0	9	1	3	8	0.50	0.0	29.860	19	4.2	6.3	10	22		9	8	02
03	91	65	78	1	64	0	13	1	8	8	0.00	0.0	29.770	24	7.7	8.4	14	22		3	3	03
04	94	63	79	2	66	0	14	3	8	8	0.25	0.0	29.760	22	3.0	5.8	9	03		8	7	04
05	90	69	80	3	68	0	15		8	8	0.0	0.0	29.780	20	9.2	9.9	15	18		9	9	05
06	89	73	81	4	68	0	16		8	8	0.01	0.0	29.800	21	10.0	10.2	14	21		10	10	06
07	92	66	79	2	61	0	14		8	8	T	0.0	29.790	27	6.9	8.4	16	26		3	4	07
08	97	63	80	2	61	0	15		8	8	0.00	0.0	29.740	26	7.5	8.3	15	27		3	3	08
09	95	68	82	4	63	0	17	3	5	8	0.42	0.0	29.660	26	3.6	7.6	20	07		7	8	09
10	89	67	78	0	68	0	13	3	8	8	0.12	0.0	29.660	23	3.8	7.1	23	34		9	8	10
11	89	67	78	0	68	0	13	1	8	8	T	0.0	29.770	36	1.4	5.6	10	04		8	7	11
12	86	70	78	0	69	0	13	1	3	8	0.05	0.0	29.855	13	2.9	6.2	12	17		6	5	12
13	95	69	82	4	71	0	17	1	3	8	0.24	0.0	29.900	16	3.4	6.3	17	33		8	7	13
14	95	67	81	3	71	0	16	1	8	8	0.00	0.0	29.870	21	6.5	7.7	10	21		4	3	14
15	99*	72	86*	8	74	0	21	1	8	8	0.00	0.0	29.730	19	8.5	8.9	13	19		5	4	15
16	91	74	83	5	70	0	18		8	8	T	0.0	29.760	34	3.5	8.2	18	15		8	7	16
17	88	66	77	-1	62	0	12		8	8	0.02	0.0	29.860	02	9.6	10.3	16	02		9	8	17
18	88	63	76	-2	60	0	11		8	8	0.00	0.0	29.930	05	4.0	6.1	9	04		4	2	18
19	96	62	79	1	63	0	14		8	8	0.00	0.0	29.920	22	4.9	5.8	10	25		3	2	19
20	98	69	84	6	65	0	19		8	8	T	0.0	29.810	27	1.3	6.2	13	28		4	4	20
21	96	73	85	7	71	0	20	1	3	8	0.77	0.0	29.730	20	1.4	5.3	16	31		8	8	21
22	95	74	85	7	69	0	20	1	3	8	0.01	0.0	29.680	28	2.0	6.4	12	35		7	7	22
23	87	67	77	-1	60	0	12	1	8	8	0.00	0.0	29.830	03	5.1	8.4	15	04		8	6	23
24	86	60*	73	-5	59	0	8		8	8	0.00	0.0	30.020	08	5.5	6.5	13	08		7	6	24
25	89	70	80	2	70	0	15	1	3	8	1.43	0.0	29.950	16	10.0	11.6	31	18		10	10	25
26	91	74	83	4	72	0	18	1	3	8	0.29	0.0	29.820	21	11.8	12.1	17	22		8	8	26
27	78	67	73	-5	69	0	8		8	8	0.14	0.0	29.810	30	1.6	6.8	14	21		10	10	27
28	85	67	76	-2	68	0	11	2		8	0.00	0.0	29.910	08	3.3	5.6	10	08		8	9	28
29	83	69	76	-2	68	0	11	1		8	0.06	0.0	29.930	05	2.0	4.4	10	15		8	7	29
30	92	68	80	2	71	0	15	2	8	8	0.00	0.0	29.910	17	4.9	5.6	10	20		7	5	30
31	91	74	83	5	75	0	18	1	3	8	0.86	0.0	29.780	19	4.7	6.0	20	30		9	9	31
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2793	2104					0	441				5.31	0.0	29.820	21	2.0	7.4	31	18		FOR	220	204
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION			DEP.						DATE: 25	POSSIBLE	MONTH	AVG.	AVG.	
90.1	67.9	79.0	1.2	66.8	0	0	44	> .01 INCH.		16	0.17								7.1	6.8		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		0	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.		0		988		THUNDERSTORMS		11	PRECIPITATION		SNOW, ICE PELLETS		0							
> 90°	< 32°	< 32°	< 0°	0		0		HEAVY FOG		2	1.71	25-26	0.0									
17	0	0	0	0		221		CLEAR		4	PARTLY CLOUDY		9		CLOUDY		18					

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T 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. Hadlee
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1985
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND			
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
JUL 1st																					
01	10	70	5		70	64	60	71	06	8											
04	10	70	7	H	68	64	61	78	01	9											
07	10	75	6	H	67	62	59	76	02	13											
10	10	15	2	RWF	66	64	63	90	01	8											
13	10	17	3	H	71	67	64	79	06	8											
16	10	17	3	H	73	67	63	71	06	10											
19	10	45	7		69	65	62	79	09	6											
22	10	45	7		68	64	61	78	05	3											
JUL 2nd																					
01	10	40	7		67	65	63	87	13	3											
04	10	40	5	F	65	63	62	90	24	3											
07	10	40	3	F	70	67	65	84	19	7											
10	10	70	3	F	76	69	65	69	14	5											
13	10	20	3	H	80	72	68	67	24	4											
16	10	7	4	H	83	73	68	61	20	8											
19	10	23	2	TRWH	76	70	67	74	34	7											
22	10	4	4		69	68	67	93	17	4											
JUL 3rd																					
01	UNL	4		F	66	65	64	93	21	6											
04	UNL	3		FH	65	63	62	90	23	6											
07	UNL	3		F	69	66	64	84	24	6											
10	UNL	5		H	81	70	64	56	26	10											
13	UNL	5		H	89	72	64	44	26	9											
16	UNL	6		H	90	72	62	39	22	12											
19	UNL	6		H	81	70	64	56	22	7											
22	UNL	6		H	75	68	64	69	27	7											
JUL 4th																					
01	6	80	5	H	68	65	63	84	20	6											
04	UNL	5		H	67	64	62	84	25	5											
07	8	90	5	H	70	66	64	81	22	5											
10	UNL	5		H	85	74	68	57	27	3											
13	UNL	6		H	91	75	68	47	27	4											
16	UNL	7			93	75	67	43	19	8											
19	10	35	7	T	74	71	69	85	11	6											
22	UNL	7			70	68	66	87	00	0											
JUL 5th																					
01	10	80	7		71	67	65	81	18	4											
04	10	80	5	H	70	68	66	87	25	3											
07	10	80	7	H	71	68	67	87	18	8											
10	10	100	6	H	81	74	70	69	24	8											
13	10	100	7		88	76	70	55	18	11											
16	10	100	7		88	75	69	53	18	13											
19	10	80	12		82	73	68	63	19	9											
22	10	80	7		79	71	67	67	18	11											
JUL 6th																					
01	10	250	8		77	69	65	67	21	11											
04	10	80	7		74	69	66	76	20	7											
07	10	80	7		75	70	67	76	19	10											
10	10	100	7	RW	78	72	69	74	21	10											
13	10	100	7		84	73	67	57	23	10											
16	10	40	10		82	73	68	63	21	9											
19	10	80	12		76	71	68	76	22	9											
22	10	80	7	RW	74	71	69	85	19	7											
JUL 7th																					
01	10	55	7		72	70	69	90	19	6											
04	8	80	8		70	68	67	90	23	6											
07	2	UNL	8		74	70	68	82	25	8											
10	3	UNL	12		85	71	63	48	29	12											
13	5	UNL	15		90	70	59	35	26	14											
16	4	UNL	15		88	69	57	35	30	10											
19	3	UNL	15		85	65	51	31	33	8											
22	0	UNL	15		74	63	55	52	29	4											
JUL 8th																					
01	10	60	5		70	62	57	64	30	5											
04	10	60	5		64	60	57	78	20	4											
07	10	60	5		74	67	62	66	29	6											
10	10	60	5		88	73	66	48	27	6											
13	10	120	7		96	74	63	34	28	11											
16	10	150	8		95	73	61	32	27	13											
19	10	150	8		89	71	61	39	25	9											
22	10	150	8	T	81	69	62	53	21	6											
JUL 9th																					
01	10	80	10		78	68	62	58	25	7											
04	10	80	10		77	66	59	54	30	5											
07	10	100	10		77	66	60	56	32	9											
10	10	100	10		88	72	63	43	25	6											
13	10	120	7		89	75	68	50	26	3											
16	10	150	8		94	75	66	40	24	6											
19	10	150	8		85	70	62	46	12	6											
22	10	150	8	T	68	65	63	84	20	7											
JUL 10th																					
01	4	UNL	7		69	68	67	93	23	5											
04	2	UNL	7		67	66	65	93	26	4											
07	2	UNL	7		75	70	68	79	24	4											
10	10	250	5	H	88	78	74	63	24	4											
13	10	100	6	H	79	69	64	60	36	5											
16	10	100	7		82	73	69	65	15	9											
19	10	50	7	TRW	79	71	66	65	27	13											
22	10	250	8	RW	70	69	68	93	18	10											
JUL 11th																					
01	4	UNL	7		67	66	66	97	22	5											
04	5	UNL	5	F	68	67	67	97	22	7											
07	10	200	2	F	70	68	67	90	31	5											
10	10	250	5	H	81	74	71	72	36	7											
13	10	100	6	H	87	75	69	55	01	7											
16	10	100	7	H	89	74	66	47	31	6											
19	10	50	7		83	74	69	63	12	5											
22	10	250	8		76	70	67	74	12	6											
JUL 12th																					
01	3	UNL	7		71	70	69	93	15	5											
04	5	UNL	5	F	70	69	68	93	15	4											
07	10	100	3	H	74	70	68	82	03	4											
10	10	100	4	TH	74	70	68	82	01	5											
13	10	40	3	H	75	70	68	79	13	6											
16	10	60	6	H	85	75	70	61	12	8											
19	10	60	6	H	80	73	70	72	14												

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUL 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		T	T			T	T		0.07	0.07	T					T	T	T	0.05	0.43	0.02				02	
03																									03	
04																									04	
05						T					T	T			0.25	T									05	
06																									06	
07		T									T	T				T	T					T	T	0.01	07	
08																									08	
09																									09	
10																			0.01	0.41	0.01	T			10	
11					T	T													0.11	T	T				11	
12											T	0.02	0.03												12	
13																									13	
14																T	0.16	0.04	0.04						14	
15																									15	
16																									16	
17	0.02	T																						T	17	
18																									18	
19																									19	
20																									20	
21	0.64	0.01																					0.06	0.06	21	
22																						T	0.01		22	
23																									23	
24																									24	
25											0.05	0.25			0.12	0.28	0.02	0.05	0.27	0.18	0.20	0.01	T		25	
26			T	0.01	0.27										0.01										26	
27				T				T			T	T			0.01	T	0.01	0.03	0.09	T				27		
28																									28	
29	0.02	T		T	0.02	0.02	T																		29	
30																									30	
31							0.52	0.02				0.02			0.08									0.17	0.03	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.21	0.36	0.48	0.56	0.57	0.60	0.64	0.64	0.64	0.65	0.65	0.69
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	25
ENDED: TIME	0050	0054	0053	0054	0101	0117	0059	0059	0059	0159	0159	1358

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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