

JUN 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

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	DATE	
01	74	49*	62*	-8	49	3	0		0	0.04	0.0	29.710	29	6.1	7.1	18	31	755	86	6	4	01
02	85	52	59	-1	49	0	4		0	0.00	0.0	29.630	31	8.1	9.4	18	33	875	100	5	3	02
03	92	59	76	5	60	0	11		0	0.00	0.0	29.670	24	4.2	7.3	16	26	753	86	8	6	03
04	83	59	71	0	52	0	6		0	0.00	0.0	29.850	03	2.6	5.4	12	01	838	96	4	3	04
05	89	55	72	1	61	0	7		0	0.00	0.0	29.940	19	6.9	7.5	14	16	726	83	8	6	05
06	95	68	82	10	69	0	17	8	0	0.00	0.0	29.930	21	8.6	9.2	13	24	825	94	2	2	06
07	99	73	86	14	71	0	21	8	0	0.00	0.0	29.940	21	6.7	7.3	12	24	765	87	7	6	07
08	96	72	84	12	72	0	19	8	0	0.00	0.0	29.920	20	8.3	8.6	13	18	835	95	6	5	08
09	97	71	84	12	69	0	19	8	0	0.00	0.0	29.890	21	8.8	9.0	14	22	881	100	4	3	09
10	95	70	83	11	68	0	18	8	0	0.00	0.0	29.890	20	8.7	9.0	14	22	882	100	0	0	10
11	97	69	83	10	69	0	18	8	0	0.00	0.0	29.890	20	6.3	6.8	13	23	882	100	2	1	11
12	99*	72	86	13	70	0	21	8	0	0.00	0.0	29.950	18	5.5	5.9	10	17	851	96	2	2	12
13	97	72	85	12	68	0	20	8	0	0.00	0.0	29.910	21	9.5	10.0	16	23	805	91	0	0	13
14	98	74	86*	13	69	0	21	8	0	0.07	0.0	29.810	24	6.7	8.8	13	28	707	80	9	8	14
15	85	69	77	3	64	0	12	8	0	0.00	0.0	29.940	05	5.3	7.5	12	07	727	82	4	5	15
16	78	67	73	-1	62	0	8	8	0	0.04	0.0	30.070	10	7.4	8.0	15	11	0	0	10	10	16
17	90	66	78	4	67	0	13	8	0	0.01	0.0	29.900	13	2.0	3.9	9	23	565	64	9	9	17
18	98	70	84	10	70	0	19	8	0	0.00	0.0	29.715	23	7.0	8.0	10	21	721	81	8	6	18
19	96	74	85	11	69	0	20	8	0	0.00	0.0	29.730	35	4.7	6.8	13	36	769	87	4	4	19
20	89	71	80	5	63	0	15	8	0	0.00	0.0	29.840	01	6.1	6.8	14	36	688	78	8	8	20
21	88	67	78	3	61	0	13	8	0	0.00	0.0	29.870	04	6.1	7.1	13	02	857	97	8	7	21
22	87	62	75	0	57	0	10	8	0	0.00	0.0	29.880	12	6.0	6.3	12	12	886	100	4	4	22
23	87	59	73	-2	61	0	8	8	0	T	0.0	29.850	15	5.4	6.3	13	19	736	83	9	8	23
24	82	69	76	-1	68	0	11	8	0	0.04	0.0	29.750	17	7.1	7.8	14	15	301	34	10	10	24
25	85	62	74	-1	58	0	9	8	0	0.05	0.0	29.680	35	6.2	8.0	14	03	792	89	3	4	25
26	85	57	71	-5	53	0	6	8	0	T	0.0	29.720	35	4.2	7.7	14	01	884	100	1	1	26
27	92	59	76	0	57	0	11	8	0	0.00	0.0	29.700	21	9.3	10.1	17	22	845	96	4	4	27
28	85	65	75	-1	64	0	10	8	0	0.25	0.0	29.770	20	10.3	12.2	20	16	257	29	10	9	28
29	90	63	77	1	67	0	12	8	0	0.76	0.0	29.740	16	5.4	6.6	20	15	599	68	9	9	29
30	88	68	78	2	70	0	13	8	0	0.75	0.0	29.620	04	2.3	4.1	12	20	567	64	9	9	30
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL		FOR THE MONTH:					TOTAL	%	SUM	SUM	
2701	1963					3	392			2.01	0.0	29.820	20	2.7	7.6	20	15	21574	100	173	156	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.			DEP.			DATE: 29					POSSIBLE	MONTH	AVG.	AVG.	
90.0	65.4	77.7	4.2	63.5		3	134			-1.59								26469	82	5.8	5.2	
NUMBER OF DAYS						SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF								
						TOTAL	> 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.						4303	9	PRECIPITATION						SNOW, ICE PELLETS								
> 90 °						15	0	1.17						29-30								
< 32°						0	0	CLEAR						7								
32°						0	0	PARTLY CLOUDY						10								
0						0	0	CLOUDY						13								

\* 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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**noaa**

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Wadsworth*  
 DIRECTOR  
 NATIONAL CLIMATIC DATA CENTER

JUN 1984  
 RICHMOND, VIRGINIA



OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1984 RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																							
	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)	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	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE																													
JUN 19th																				JUN 20th																				JUN 21st																			
01	4	UNL	7		80	74	71	74	26	8	9	250	7		76	70	67	74	35	6	8	100	10		72	66	63	73	02	5																													
04	6	UNL	7		77	72	70	79	00	0	8	50	7		73	57	63	71	36	6	6	100	8		68	64	62	81	01	5																													
07	2	UNL	5	H	81	73	69	67	00	0	5	UNL	7		74	66	61	64	01	8	8	UNL	8		71	65	61	71	04	8																													
10	6	UNL	6		90	75	68	48	33	11	8	UNL	8		85	72	66	53	01	4	4	10	UNL	8		78	67	60	54	05	6																												
13	5	UNL	7		91	75	67	45	35	10	9	100	8		86	72	64	48	32	5	5	UNL	8		84	69	61	46	03	9																													
16	6	UNL	7		92	76	68	46	01	7	6	250	8		87	70	61	42	36	12	6	UNL	8		87	69	58	38	04	7																													
19	3	UNL	7		86	74	69	57	05	6	8	250	10		83	69	61	48	01	6	6	UNL	8		80	68	60	51	06	7																													
22	0	UNL	10		78	73	70	77	00	0	10	100	10		77	69	65	67	02	4	5	UNL	8		69	64	61	76	11	5																													
JUN 22nd																				JUN 23rd																				JUN 24th																			
01	4	UNL	8		65	63	61	87	13	6	4	UNL	15		62	58	54	75	17	3	10	75	10		72	65	61	69	16	6																													
04	3	UNL	7		63	60	58	84	08	4	6	250	15		61	59	57	87	00	0	10	55	8	RW	69	67	66	90	18	3																													
07	6	UNL	7		69	68	67	93	00	0	10	UNL	8		69	67	65	87	13	5	9	90	7		74	68	65	74	15	7																													
10	3	UNL	7		80	70	64	58	10	8	10	UNL	8		82	70	63	53	19	11	8	90	8		81	73	69	67	19	10																													
13	4	UNL	15		86	67	56	36	14	8	9	120	15		86	68	58	39	19	8	10	80	8	RW	80	73	70	72	21	5																													
16	7	UNL	15		85	65	52	32	10	8	8	120	15		87	70	61	42	21	5	10	30	7		78	74	72	82	16	9																													
19	3	UNL	15		76	62	51	42	12	9	7	250	10		78	69	64	62	12	7	10	8	7		74	72	71	90	15	7																													
22	2	UNL	15		65	56	49	56	14	5	10	45	10		73	67	64	74	13	8	10	6	5	F	71	70	69	93	19	6																													
JUN 25th																				JUN 26th																				JUN 27th																			
01	10	5	4	F	71	70	69	93	24	8	9	55	10		63	60	58	84	03	8	0	UNL	12		63	58	54	73	00	0																													
04	10	4	4	F	70	69	69	97	25	4	1	UNL	7		57	57	57	100	00	0	1	UNL	6	F	59	58	57	93	00	0																													
07	0	UNL	7		72	66	63	73	35	10	0	UNL	7		65	60	57	76	34	7	7	UNL	6		67	61	57	70	23	6																													
10	7	40	8		79	65	56	45	03	12	0	UNL	12		75	62	52	45	36	10	4	UNL	8		84	67	57	40	24	12																													
13	3	UNL	15		83	65	52	34	35	10	3	UNL	15		80	61	47	31	31	10	3	UNL	12		91	68	54	29	22	13																													
16	3	UNL	15		85	65	51	31	34	10	1	UNL	15		84	63	47	28	01	9	3	UNL	12		92	69	56	30	20	12																													
19	0	UNL	15		81	63	50	34	01	4	0	UNL	15		81	63	49	33	21	6	8	UNL	12		86	67	55	35	20	8																													
22	1	UNL	15		66	60	56	70	00	0	0	UNL	15		66	60	55	68	14	4	10	250	12		78	66	58	50	19	13																													
JUN 28th																				JUN 29th																				JUN 30th																			
01	5	UNL	8		75	66	61	62	21	11	10	250	5	F	65	63	62	90	18	6	10	100	8	RWF	69	67	66	90	08	3																													
04	8	UNL	8		72	66	62	71	20	10	10	80	6	F	63	63	63	100	00	0	10	17	6	4	69	69	69	100	00	0																													
07	10	UNL	7		74	66	61	64	21	12	10	80	5	F	68	65	63	84	14	5	10	2	1	F	70	70	70	100	00	0																													
10	10	250	7		81	72	67	63	22	12	10	250	5	H	78	72	69	74	16	7	10	10	6	F	76	72	70	82	35	4																													
13	10	75	7		82	71	65	57	23	10	8	250	7		88	75	69	53	18	10	8	23	7		85	75	70	61	00	0																													
16	7	250	7		80	70	65	60	16	17	8	250	7		88	74	67	50	17	6	5	UNL	7		87	75	70	57	32	6																													
19	10	70	6	TRW	74	68	65	74	24	7	10	33	6	TRW	77	72	70	79	12	8	10	28	2	TRWF	76	72	70	82	35	10																													
22	8	250	6	F	65	64	63	93	28	6	10	40	7	TRW	70	69	68	93	12	4	10	28	5	RWF	73	72	71	94	08	3																													

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES					RESULTANT WIND	
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.830	70	65	63	79	5.9	20	2.6
04	4	29.820	67	64	62	86	4.6	22	1.9
07	5	29.850	71	66	63	76	7.4	24	2.3
10	6	29.860	82	70	64	56	9.6	24	3.4
13	6	29.830	88	72	64	46	9.9	22	4.4
16	5	29.790	88	72	63	45	10.2	21	2.7
19	6	29.800	81	70	64	60	7.5	15	3.4
22	5	29.820	73	68	64	75	6.1	18	3.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 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									T	0.01	T	T	0.01	0.01	T			0.01	T					01	
02																								02	
03																								03	
04																								04	
05																								05	
06																								06	
07																								07	
08																								08	
09																								09	
10																								10	
11																								11	
12																								12	
13																			0.07	T				13	
14																								14	
15																								15	
16	T	T			0.04	T												T	0.01	T				16	
17				T	T																			17	
18																								18	
19																								19	
20																								20	
21																								21	
22																							T	22	
23																								23	
24			T	T	T						T		T	0.02	0.02	T								24	
25																							0.05	25	
26	T																							26	
27																								27	
28																			T	0.18	0.07	T		28	
29																		0.04	0.16	0.45	0.11	T		29	
30			T	T	0.02	T	0.01	T	T								T	0.05	0.53	0.11	0.03	T		30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.30	0.39	0.45	0.48	0.50	0.52	0.54	0.57	0.60	0.64	0.76	0.76
ENDED: DATE	30	30	30	30	30	30	30	30	30	30	29	29
ENDED: TIME	1946	1950	1955	1955	1955	1955	1955	1955	1955	2101	2125	2132

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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