

JUN 1986  
 RICHMOND, VIRGINIA  
 NAT'L WEATHER SERVICE  
 BOX A-63, RICHMOND INT'L 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

JUN 1986  
 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	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MOONRISE TO MIDNIGHT	DATE		
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
01	93	66	80	10	65	0	15	1 8	0	0.00	0.0	29.600	23	6.3	6.9	12	20	770	88	1	3	01
02	90	59	75	5	61	0	10	1 3 8	0	0.15	0.0	29.695	36	5.1	9.3	24	01	675	77	7	6	02
03	74	49*	62*	-9	44	3	0	0	0	0.00	0.0	30.060	08	6.0	8.5	12	12	877	100	0	1	03
04	82	54	68	-3	59	0	3	8	0	0.00	0.0	29.980	19	5.8	6.6	13	24	756	86	8	6	04
05	88	61	75	4	62	0	10	1 8	0	0.00	0.0	29.850	18	7.1	7.7	13	16	797	91	3	2	05
06	90	68	79	7	70	0	14	1 8	0	0.00	0.0	29.755	13	5.7	7.2	12	10	637	72	7	6	06
07	88	72	80	8	71	0	15	1 8	0	0.00	0.0	29.640	06	3.8	5.0	8	11	577	66	8	8	07
08	94	71	83	11	71	0	18	1 3 8	0	0.12	0.0	29.590	26	5.0	7.5	20	17	701	80	6	6	08
09	86	63	75	3	55	0	10	8	0	0.00	0.0	29.860	02	7.3	9.1	14	01	834	95	5	4	09
10	87	56	72	0	55	0	7	8	0	0.00	0.0	29.960	19	4.6	5.0	10	18	794	90	7	6	10
11	91	68	80	7	69	0	15	1 8	0	0.02	0.0	29.720	21	9.8	10.3	16	21	640	73	9	9	11
12	96	74	85	12	72	0	20	1 3 8	0	0.15	0.0	29.610	22	8.6	9.5	15	25	679	77	7	7	12
13	90	73	82	9	67	0	17	1 8	0	0.00	0.0	29.780	35	3.2	6.0	12	02	783	89	5	6	13
14	87	66	77	4	63	0	12	1 8	0	0.00	0.0	29.915	07	3.7	7.0	10	06	798	90	4	2	14
15	90	68	79	5	69	0	14	1 3 8	0	T	0.0	29.890	17	6.7	7.4	14	19	762	86	7	5	15
16	91	68	80	6	69	0	15	8	0	0.00	0.0	29.800	20	11.1	11.3	16	20	726	82	6	5	16
17	84	61	73	-1	57	0	8	8	0	0.00	0.0	29.780	35	6.4	11.6	17	35	791	89	6	4	17
18	80	56	68	-6	44	0	3	8	0	0.00	0.0	29.900	36	6.4	8.6	15	01	885	100	1	0	18
19	88	54	71	-3	56	0	6	8	0	0.00	0.0	29.865	20	8.3	9.8	18	22	791	89	4	3	19
20	86	64	75	0	64	0	10	1 3 5	0	0.25	0.0	29.790	27	5.1	9.9	29	03	752	85	9	7	20
21	82	60	71	-4	58	0	6	1 8	0	0.00	0.0	29.960	03	6.2	8.4	13	33	839	95	2	3	21
22	90	57	74	-1	60	0	9	8	0	0.00	0.0	29.880	21	6.7	8.2	14	25	799	90	6	6	22
23	90	68	79	4	66	0	14	1 8	0	T	0.0	29.730	23	8.7	10.4	15	29	807	91	8	7	23
24	89	69	79	4	65	0	14	1 3 8	0	0.00	0.0	29.700	26	6.0	9.2	16	27	778	88	9	7	24
25	80	61	71	-4	49	0	6	8	0	0.00	0.0	29.910	02	6.9	8.4	15	36	841	95	3	3	25
26	86	54	70	-6	57	0	5	8	0	0.00	0.0	30.010	17	7.1	8.0	15	20	756	86	9	8	26
27	94	69	82	6	67	0	17	8	0	0.00	0.0	29.880	21	11.8	12.3	16	21	789	89	8	8	27
28	96*	73	85*	9	69	0	20	8	0	0.00	0.0	29.730	23	5.5	10.5	16	36	752	85	8	8	28
29	92	72	82	6	70	0	17	1 3 8	0	0.22	0.0	29.650	25	7.2	9.4	15	25	729	83	7	7	29
30	89	69	79	3	66	0	14	1 3 8	0	0.39	0.0	29.720	03	3.7	8.0	22	01	687	78	10	8	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL			FOR THE MONTH:			TOTAL	%	SUM	SUM		
2643	1923					3	344			1.30	0.0	29.810	21	2.2	8.6	29	03	22802	FOR	180	161	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.				DATE: 20			POSSIBLE	MONTH	AVG.	AVG.		
88.1	64.1	76.1	2.6	62.3		3	86	> .01 INCH.	7	-2.30							26469	86	6.0	5.4		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF							
						TOTAL	TOTAL	> 1.0 INCH.							SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.		3572		513		THUNDERSTORMS	PRECIPITATION		SNOW, ICE PELLETS											
5 90°		< 32°		< 32°		< 0°		HEAVY FOG	0 0.39		30 0.0											
14		0		0		0		-388	143		CLEAR 6 PARTLY CLOUDY 14 CLOUDY 10											

\* 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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 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

JUN 1986  
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																																																																		
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF		NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																									
JUN 1st													JUN 2nd													JUN 3rd																																																																													
01	8	250	5	FH	67	66	65	93	19	4	8	250	5	H	73	68	65	76	24	5	0	UNL	15				58	50	42	56	02	9	01	UNL	15																												01	UNL	15																																						

## WEATHER CODES

- |                  |                     |                         |                  |
|------------------|---------------------|-------------------------|------------------|
| * TORNADO        | ZL FREEZING DRIZZLE | IPW ICE PELLETT SHOWERS | BN BLOWING SAND  |
| T THUNDERSTORM   | S SNOW              | A HAIL                  | BS BLOWING SNOW  |
| Q SQUALL         | SH 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).

OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1986  
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	SKY COVER (TENTHS)			TEMPERATURE			WIND			WEATHER	TEMPERATURE			WIND														
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)												
JUN 19th																												
01	0	UNL	15	58	54	50	75	00	0	4	UNL	8	74	65	59	60	21	14	0	UNL	6	F	65	64	60	93	02	9
04	1	UNL	15	54	52	51	90	35	6	3	UNL	8	72	66	63	73	22	12	2	UNL	6	F	61	60	60	97	01	6
07	1	UNL	8	66	61	58	76	18	4	8	75	7	75	69	66	74	25	11	0	UNL	6	F	65	63	61	87	35	6
10	2	UNL	10	79	61	47	33	15	6	10	110	8	76	70	67	74	19	5	2	UNL	15		74	65	60	62	02	5
13	5	UNL	10	84	66	55	37	18	8	10	80	7	81	71	65	58	27	10	4	UNL	15		79	65	56	45	32	7
16	5	UNL	8	86	69	59	40	22	14	8	70	7	83	69	61	48	33	9	2	UNL	15		82	65	53	37	04	10
19	5	UNL	8	82	69	61	49	21	12	8	70	7	67	65	64	90	17	5	7	UNL	15		79	64	53	41	05	6
22	3	UNL	7	77	66	60	56	19	15	2	UNL	7	66	65	64	93	33	5	8	UNL	15		67	61	57	70	15	6
JUN 20th																												
JUN 21st																												
JUN 22nd																												
JUN 23rd																												
JUN 24th																												
JUN 25th																												
JUN 26th																												
JUN 27th																												
JUN 28th																												
JUN 29th																												
JUN 30th																												

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)		TEMPERATURE			WIND SPEED (MPH)	DIRECTION	
		AIR TEMP OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %				
01	4	29.810	69	65	62	81	7.3	19	3.4
04	4	29.800	67	64	62	87	6.5	21	2.0
07	5	29.835	71	66	63	78	7.9	24	1.7
10	6	29.840	80	69	63	57	9.7	23	3.1
13	7	29.810	85	70	61	46	10.4	26	4.6
16	6	29.770	85	70	61	47	10.7	24	2.1
19	6	29.780	80	69	63	58	9.0	17	2.4
22	5	29.810	72	66	63	74	7.6	16	2.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 1986  
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
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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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