

# 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

JUN 1992  
 RICHMOND, VA

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	PEAK GUST		FASTEST 1-MIN		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
																SPEED	DIRECTION	SPEED	DIRECTION							
01	74	53	64	-6	54	1	0	1	0	0.00	0.0	29.770	32	8.2	8.9	26	NW	20	33	714	82	5	3			
02	74	54	64	-6	57	1	0	1	0	0.00	0.0	29.840	02	4.2	6.7	15	N	10	01	758	87	9	6			
03	80	53	67	-4	58	0	2	2	0	0.00	0.0	29.870	12	5.5	6.5	17	SE	13	11	740	84	8	6			
04	69	58	64	-7	62	1	0	1	0	0.23	0.0	29.730	09	7.8	8.1	23	E	14	10	115	13	10	9			
05	82	63	73	2	66	0	8	1	3	0.18	0.0	29.545	12	4.3	6.5	20	E	14	09	490	56	9	8			
06	88	60	74	2	65	0	9	1	0	0.00	0.0	29.680	21	3.2	4.8	15	W	10	27	748	85	2	1			
07	90	65	78	6	69	0	13	1	8	0.00	0.0	29.830	18	6.5	6.9	20	S	13	20	690	78	9	7			
08	92*	73	83*	11	72	0	18	1	8	0.02	0.0	29.800	21	7.7	8.7	20	SW	15	19	689	78	7	7			
09	77	68	73	1	70	0	8	1	0	0.10	0.0	29.730	32	3.9	7.6	18	SW	14	26	0	0	10	10			
10	80	61	71	-1	60	0	6	1	0	0.00	0.0	29.760	03	6.5	7.1	17	N	12	06	670	76	8	7			
11	80	57	69	-4	57	0	4	0	0	0.00	0.0	29.870	06	3.3	5.0	14	NE	10	08	702	80	9	8			
12	82	56	69	-4	55	0	4	1	8	0.00	0.0	29.910	11	4.4	5.5	22	SE	13	15	802	91	9	8			
13	83	55	69	-4	58	0	4	0	0	0.00	0.0	29.820	14	3.7	4.7	16	SW	9	16	738	84	10	10			
14	84	61	73	0	64	0	8	1	0	T	0.0	29.750	17	4.8	6.0	18	SE	12	15	607	69	10	9			
15	89	65	77	3	64	0	12	1	8	0.00	0.0	29.780	07	1.4	5.7	13	W	9	27	716	81	3	5			
16	81	62	72	-2	63	0	7	1	8	0.00	0.0	29.990	09	8.6	9.4	18	E	15	11	597	68	9	8			
17	81	58	70	-4	54	0	5	1	0	0.00	0.0	30.070	12	7.9	8.3	18	E	14	13	694	79	5	4			
18	84	58	71	-3	61	0	6	1	0	0.00	0.0	29.910	16	8.5	8.9	21	S	16	20	620	70	6	6			
19	84	64	74	0	68	0	9	1	8	1.29	0.0	29.610	17	10.5	11.4	37	W	15	15	535	60	8	9			
20	83	62	73	-2	65	0	8	1	0	0.00	0.0	29.580	02	4.6	6.1	18	N	13	02	686	78	6	6			
21	68	56	62	-13	54	3	0	1	3	0.06	0.0	29.730	01	9.3	9.8	21	N	17	36	366	41	10	9			
22	74	48*	61*	-14	46	4	0	0	0	0.00	0.0	29.840	31	4.7	7.2	21	NW	13	33	781	88	4	3			
23	81	49	65	-10	54	0	0	0	0	0.00	0.0	29.770	18	7.8	8.6	21	S	15	17	724	82	5	4			
24	85	59	72	-3	65	0	7	1	8	0.16	0.0	29.580	19	8.8	10.1	26	SW	21	21	563	64	9	8			
25	82	64	73	-2	68	0	8	1	8	0.00	T	29.590	20	3.4	5.5	16	SW	12	22	397	45	9	7			
26	82	63	73	-3	66	0	8	1	3	0.24	0.0	29.650	08	3.1	5.5	14	E	14	11	301	34	10	9			
27	84	66	75	-1	64	0	10	1	0	T	0.0	29.630	33	5.8	7.1	18	N	17	34	728	82	3	4			
28	84	60	72	-4	58	0	7	1	0	0.00	0.0	29.780	36	4.0	5.7	14	NW	12	35	776	88	1	2			
29	87	59	73	-3	62	0	8	1	8	0.00	0.0	29.800	15	5.3	6.2	14	SE	10	23	747	85	3	2			
30	90	65	78	2	69	0	13	1	8	0.00	0.0	29.760	18	9.3	9.6	20	S	17	19	725	82	4	4			
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM						
2454	1795					10	192			2.28	0.0	29.770	14	1.8	7.3	37	W	21	21	18419	70	210	189			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 19	DATE: 24	POSSIBLE		MONTH	AVG.	AVG.				
81.8	59.8	70.8	-2.7	61.6	10	-66	-66	≥ .01 INCH.		8	-1.32							26469		70	7.0	6.3				
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE											
						TOTAL	TOTAL	THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS														
MAXIMUM TEMP.						MINIMUM TEMP.																				
≥ 90°						≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG										
3						0		0		0		-303		-79		CLEAR 5		PARTLY CLOUDY 8		CLOUDY 17						

\* 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.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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 DIRECTOR  
 NATIONAL CLIMATIC DATA CENTER



OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1992  
RICHMOND, VA

13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																													
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8TH MILE		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8TH MILE		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																												
JUN 19th																						JUN 20th																						JUN 21st																					
01	10	120	8		71	66	63	76	16	7	10	UNL	6	F	63	63	63	100	00	0	10	30	7		66	60	56	70	01	13																																			
04	10	120	7		68	67	66	93	18	10	6	UNL	5	F	63	63	63	100	00	0	10	35	7		61	59	57	87	01	9																																			
07	10	39	6	F	68	68	68	100	17	10	6	UNL	5	F	69	67	66	90	28	5	10	45	5	F	60	58	56	87	02	7																																			
10	10	15	6	H	74	70	68	82	19	13	10	21	7		76	70	67	74	35	8	10	41	8		60	57	54	81	05	10																																			
13	8	40	7		82	75	71	69	15	13	6	250	7		81	72	67	63	32	8	10	33	7	RW	60	58	56	87	04	6																																			
16	5	UNL	7		83	75	72	70	16	11	2	UNL	7		82	70	64	55	06	6	10	20	7		65	60	57	76	35	3																																			
19	10	95	6	TRW	68	67	67	97	12	10	4	UNL	7		76	69	65	69	04	5	9	31	6	H	65	60	57	76	35	14																																			
22	10	120	8		66	65	65	97	18	8	2	UNL	7		70	67	65	84	06	5	10	65	7		65	60	53	46	60	36	9																																		
JUN 22nd																						JUN 23rd																						JUN 24th																					
01	1	UNL	7		54	49	44	69	34	5	4	UNL	10		54	53	52	93	13	3	5	UNL	7	RW	66	61	58	76	17	10																																			
04	0	UNL	7		49	47	45	86	36	4	1	UNL	7		50	50	50	100	00	0	10	120	7	F	65	62	60	84	23	8																																			
07	0	UNL	7		56	50	45	67	34	8	10	120	8		58	56	54	87	14	3	10	75	3	F	64	63	63	97	15	7																																			
10	0	UNL	10		63	53	43	48	31	10	5	UNL	10		72	61	53	51	19	9	10	75	3	F	73	70	68	84	20	11																																			
13	1	UNL	8		69	57	46	44	32	8	7	UNL	10		79	64	53	41	18	11	9	UNL	6	H	82	72	67	61	19	6																																			
16	9	UNL	10		72	58	46	40	25	9	2	UNL	10		80	64	54	41	17	12	10	75	6	H	82	71	66	59	20	11																																			
19	9	250	10		68	56	46	45	26	6	8	UNL	8		73	63	57	57	16	8	8	UNL	6	H	77	69	65	67	28	6																																			
22	3	UNL	10		57	54	51	81	12	3	9	65	7		69	61	56	63	17	11	8	UNL	5	FH	69	68	68	97	18	6																																			
JUN 25th																						JUN 26th																						JUN 27th																					
01	10	95	5	FH	68	68	68	100	12	4	5	UNL	3	F	71	70	70	97	00	0	10	2	1	F	66	66	66	100	00	0																																			
04	9	100	5	F	65	65	65	100	00	0	10	UNL	3	F	65	65	65	100	35	4	6	9	1	F	66	66	66	100	25	3																																			
07	10	4	1	8	69	68	68	97	26	4	10	250	6	F	68	67	67	97	36	3	2	UNL	2	F	71	69	68	90	28	7																																			
10	10	120	3	RWF	72	70	69	90	29	4	10	UNL	8		80	71	66	63	08	4	0	UNL	7		79	69	64	60	34	15																																			
13	10	80	5	RH	74	71	69	85	24	5	10	120	8		81	70	64	56	12	7	4	UNL	8		84	69	61	46	34	8																																			
16	7	UNL	6	H	80	73	70	72	17	8	10	50	4		76	71	68	76	07	5	4	UNL	8		84	68	59	43	32	10																																			
19	5	UNL	6	H	78	73	71	79	17	6	10	120	2	8	RWF	64	64	64	100	09	5	5	UNL	8		78	67	61	56	36	4																																		
22	0	UNL	4	F	71	71	71	100	14	4	10	3	1	12	F	66	66	66	100	24	3	7	75	8		69	66	64	84	35	3																																		
JUN 28th																						JUN 29th																						JUN 30th																					
01	8	75	8		67	63	60	78	03	3	0	UNL	8		63	62	61	93	00	0	10	UNL	4	F	67	65	63	87	14	4																																			
04	5	UNL	7		61	59	58	90	35	7	0	UNL	4	F	60	59	59	97	12	3	10	UNL	4	F	67	65	64	90	17	6																																			
07	0	UNL	7		65	60	56	73	33	8	3	UNL	5	F	69	66	64	84	17	6	0	UNL	2	FH	72	69	67	84	20	9																																			
10	0	UNL	8		75	64	56	52	02	5	0	UNL	6	H	83	70	62	49	18	8	7	UNL	5	H	82	74	70	67	19	11																																			
13	0	UNL	10		80	65	55	42	32	6	4	UNL	6	H	86	71	63	46	14	7	4	UNL	6	H	89	77	71	55	19	8																																			
16	0	UNL	10		82	66	56	41	00	0	6	UNL	5	H	86	71	63	46	14	7	3	UNL	5	H	89	76	70	54	19	15																																			
19	3	UNL	10		78	67	60	54	08	4	1	UNL	5	H	78	69	64	62	15	6	10	UNL	5	H	83	75	71	67	19	9																																			
22	0	UNL	10		66	64	63	90	10	5	0	UNL	5	H	72	66	63	73	13	6	0	UNL	5	H	76	73	71	85	16	8																																			

WEATHER CODES

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

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).

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	NET BULB OF	DEW POINT OF				
01	6	29.770	64	62	61	90	5.2	14	1.7
04	6	29.760	62	61	60	95	4.9	13	0.9
07	7	29.790	66	64	63	89	6.7	26	0.5
10	7	29.795	75	67	62	66	9.0	18	1.2
13	7	29.770	79	68	61	56	9.0	14	2.6
16	7	29.740	79	68	61	57	9.2	16	3.1
19	7	29.740	74	67	62	69	7.6	10	3.1
22	5	29.770	67	64	62	84	6.2	12	3.7

