

# 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

AUG 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 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	PEAK GUST	FASTEST 1-MIN		PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
01	80	59	70	-8	60	0	5		0		T	29.890	35	7.0	9.0	26	N	21	34	774	92	3	3
02	84	57	71	-7	61	0	6		0.00	0.0	0.0	29.940	18	4.4	5.0	15	S	12	18	676	80	4	3
03	87	63	75	-3	68	0	10	1 3	0.96	0.0	0.0	29.810	16	3.9	6.0	25	W	22	25	711	85	2	4
04	89	66	78	0	70	0	13	1	0.00	0.0	0.0	29.750	22	3.1	7.0	25	SW	14	23	664	79	9	7
05	82	62	72	-6	62	0	7	1	T	0.0	0.0	29.950	04	5.3	6.7	15	N	10	04	622	74	9	8
06	77	67	72	-6	65	0	7	1	0.01	0.0	0.0	30.060	08	4.8	5.8	14	E	12	09	485	58	10	10
07	81	65	73	-5	64	0	8	1	0.00	0.0	0.0	30.055	05	4.9	6.4	14	NE	12	05	596	72	8	7
08	85	65	75	-3	67	0	10	1	0.00	0.0	0.0	29.990	17	6.9	7.3	15	S	12	17	697	84	8	7
09	91	71	81	3	71	0	16	1 3	0.01	0.0	0.0	29.830	21	4.6	8.4	20	NW	12	12	638	77	8	6
10	94	66	80	2	68	0	15	1	0.00	0.0	0.0	29.760	20	3.2	5.5	15	S	13	21	725	88	1	1
11	94*	70	82*	4	71	0	17	1 3	1.03	0.0	0.0	29.710	22	4.8	9.5	37	N	28	35	647	78	3	4
12	82	69	76	-1	66	0	11	1	0.00	0.0	0.0	29.870	02	4.9	7.1	20	NE	10	06	649	79	10	9
13	72	63	68	-9	67	0	3	1	1.65	0.0	0.0	29.890	03	6.6	8.2	21	N	14	01	6	1	10	10
14	74	62	68	-9	65	0	3	1	0.31	0.0	0.0	29.930	02	7.9	9.2	20	NE	15	03	166	20	10	10
15	69	65	67	-10	65	0	2	1	1.26	0.0	0.0	29.900	36	9.0	9.7	17	N	15	03	261	32	10	10
16	69	63	66*	-11	66	0	1	1	0.10	0.0	0.0	29.940	35	6.3	6.6	12	NW	8	35	220	27	10	10
17	73	67	70	-7	69	0	5	1	0.63	0.0	0.0	29.960	35	5.3	5.8	12	N	8	31	190	23	10	10
18	86	68	77	0	68	0	12	1	T	0.0	0.0	29.890	29	1.2	4.6	15	S	10	20	628	78	6	6
19	87	68	78	1	66	0	13	1	T	0.0	0.0	29.850	28	2.3	5.9	13	N	10	22	668	83	5	5
20	79	64	72	-4	63	0	7	1	0.00	0.0	0.0	29.910	03	6.8	7.4	15	NE	13	03	616	77	10	10
21	84	62	73	-3	61	0	8	1	0.00	0.0	0.0	30.040	05	4.5	5.4	14	NE	10	05	685	85	8	7
22	79	61	70	-6	62	0	5	1	0.00	0.0	0.0	30.090	07	2.8	3.6	13	NE	9	09	639	80	9	9
23	82	63	73	-3	63	0	8	1	0.00	0.0	0.0	30.140	09	3.0	3.8	9	E	9	09	667	83	10	9
24	86	60	73	-3	65	0	8	1	0.00	0.0	0.0	30.135	14	2.7	3.6	7	S	7	15	725	91	2	2
25	90	68	79	3	70	0	14	1	0.00	0.0	0.0	30.040	18	4.7	5.3	13	S	9	21	690	87	3	3
26	90	69	80	4	71	0	15	1	0.00	0.0	0.0	29.940	24	1.3	5.6	12	W	8	28	639	81	7	8
27	92	69	81	6	70	0	16	1	0.14	0.0	0.0	29.810	18	6.1	6.6	22	NW	17	22	616	78	4	5
28	86	68	77	2	69	0	12	1 3	0.30	0.0	0.0	29.615	19	10.9	13.4	48	SW	25	22	584	74	9	7
29	80	57	69	-6	53	0	4		0.00	0.0	0.0	29.830	29	5.0	7.4	18	W	15	27	770	98	1	0
30	83	53*	68	-7	57	0	3		0.00	0.0	0.0	29.930	18	5.6	6.3	17	S	14	19	783	100	0	0
31	88	63	76	1	64	0	11		0.00	0.0	0.0	29.870	22	4.8	7.5	17	S	12	25	587	75	9	7
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2575	1993					0	275		6.40	0.0	29.910	07	0.4	6.8	48	SW	28	35	18024	FOR	208	197	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	0	0	PRECIPITATION	DEP.					DATE: 28	DATE: 11	POSSIBLE				MONTH	AVG.	AVG.	
83.1	64.3	73.7	-3.1	65.2	0	-9.1	0	≥ .01 INCH.	11	1.39									25250	71	6.7	6.4	
NUMBER OF DAYS						TOTAL	TOTAL	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
MAXIMUM TEMP.						0	1023	THUNDERSTORMS	4	PRECIPITATION	SNOW, ICE PELLETS												
≥ 90°	< 32°	< 32°	< 0°	DEP.	DEP.	0	1.69	13-14	0.0														
6	0	0	0	0	-110	CLEAR	8	PARTLY CLOUDY	5	CLOUDY	18												

\* 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

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1992  
RICHMOND, VA

13740

HOUR	L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		WEATHER	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	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
AUG 19th						AUG 20th						AUG 21st																							
01	2	UNL	6	F		68	67	67	97	18	3	10	250	3	F		68	66	65	90	36	5	10	140	6	F		64	62	61	90	00	0		
04	6	95	5	F		69	68	67	93	17	3	10	250	3	F		67	65	64	90	01	7	10	250	6	F		62	61	60	93	36	4		
07	7	130	2	F		70	69	68	93	29	4	10	250	3	H		67	64	62	84	36	7	10	140	8	F		65	62	60	84	35	6		
10	5	UNL	6	H		79	72	68	69	32	6	10	UNL	5	H		75	67	63	66	02	10	10	UNL	7	H		76	65	57	52	05	8		
13	7	130	6	H		85	70	62	46	23	5	10	250	6	H		78	68	62	58	02	8	6	250	8	H		79	67	60	52	03	4		
16	4	UNL	6	H		85	69	60	43	24	7	10	150	7	H		76	67	61	60	06	7	10	UNL	7	H		80	68	61	52	05	9		
19	1	UNL	3	H		76	70	66	71	05	4	9	250	7	H		72	66	63	73	07	4	8	UNL	7	H		71	66	63	76	10	5		
22	2	UNL	5	F		70	68	67	90	01	3	10	250	7	F		67	64	62	84	05	5	0	UNL	7	F		66	63	61	84	00	0		

SUMMARY BY HOURS

\* TORNADO  
T THUNDERSTORM  
Q SQUALL  
R RAIN  
RW RAIN SHOWERS  
ZR FREEZING RAIN  
L DRIZZLE  
ZL FREEZING DRIZZLE  
S SNOW

WEATHER CODES  
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

HOUR	L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	RESULTANT WIND	
				AIR TEMP of	WET BULB of	DEW POINT of			DIRECTION	SPEED (MPH)
01	6	29.910	68	66	65	92	5.1	19	0.6	
04	9	29.900	66	65	65	94	5.4	35	1.0	
07	6	29.930	68	66	65	89	5.3	33	1.2	
10	6	29.945	77	69	65	68	8.0	35	0.9	
13	7	29.920	81	70	65	60	8.3	11	0.2	
16	7	29.890	81	71	65	60	9.6	17	1.1	
19	6	29.900	74	69	66	76	7.3	10	1.8	
22	6	29.920	70	67	66	89	5.3	10	0.9	

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).

