

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

MAY 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	PEAK GUST		FASTEST 1-MIN		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT					
															SPEED	DIRECTION	SPEED	DIRECTION									
01	72	45	59	-3	48	6	0	1	8	0	0.00	0.0	29.870	29	1.7	6.4	17	N	12	34	723	88	5	3			
02	88	53	71	8	53	0	6	1		0	0.00	0.0	29.690	21	14.3	14.8	38	SW	23	22	776	94	2	2			
03	84	57	71	8	50	0	6			0	0.00	0.0	29.580	28	6.6	9.0	24	W	16	33	741	89	4	3			
04	66	48	57	-6	39	8	0			0	0.00	0.0	29.670	33	9.9	11.0	25	NW	16	33	557	67	4	3			
05	60	45	53	-10	46	12	0	1		0	0.10	0.0	29.790	07	3.2	7.4	18	E	13	10	336	40	9	9			
06	59	45	52	-12	39	13	0			0	0.00	0.0	30.030	04	12.3	12.7	30	NE	18	03	643	77	8	8			
07	49	44	47*	-17	42	18	0	1		0	0.30	0.0	30.040	02	14.6	14.8	28	N	18	04	110	13	10	10			
08	63	47	55	-9	54	10	0	1		0	0.65	0.0	29.770	05	6.7	10.0	41	SW	24	21	454	54	9	9			
09	67	47	57	-7	50	8	0	1		0	0.01	0.0	29.810	21	6.7	8.9	24	SW	16	22	459	55	10	8			
10	72	45	59	-6	49	6	0	1		0	0.00	0.0	29.910	30	6.7	7.7	25	NW	14	31	730	87	4	3			
11	78	52	65	0	54	0	0	1		0	0.00	0.0	29.990	02	5.7	7.5	18	E	13	09	742	88	1	1			
12	74	48	61	-4	52	4	0	0		0	0.00	0.0	29.880	03	4.8	6.9	16	E	13	02	668	79	5	3			
13	78	50	64	-1	56	1	0	1	8	0	0.00	0.0	29.660	21	1.3	3.5	14	SW	8	25	727	86	4	4			
14	80	54	67	2	60	0	2	1	8	0	0.00	0.0	29.760	06	3.5	5.8	18	NW	13	05	666	78	4	4			
15	73	61	67	1	64	0	2	1	8	0	0.37	0.0	29.960	09	5.5	6.7	14	E	13	26	357	42	10	10			
16	73	63	68	2	65	0	3	1		0	T	0.0	30.100	06	5.2	5.7	14	NE	14	01	215	25	10	10			
17	78	59	69	3	63	0	4	2	8	0	T	0.0	30.130	11	5.5	6.2	14	SE	13	11	594	69	6	6			
18	88	58	73	6	65	0	8	1	3	8	1.67	0.0	29.970	22	1.7	6.6	32	N	21	17	580	68	6	7			
19	71	48	60	-7	56	5	0	1		0	0.02	0.0	30.130	05	9.0	10.2	25	E	20	08	371	43	9	8			
20	71	44	58	-9	47	7	0			0	0.00	0.0	30.200	02	8.0	8.8	21	NE	14	01	858	100	1	0			
21	80	43*	62	-5	42	3	0			0	0.00	0.0	30.190	01	5.4	6.0	16	N	12	02	860	100	0	0			
22	86	45	66	-2	46	0	1	1		0	0.00	0.0	30.030	34	2.0	2.9	12	NE	8	36	862	100	7	6			
23	89	51	70	2	53	0	5	1		0	0.00	0.0	29.810	36	1.8	2.8	13	N	9	36	770	89	4	3			
24	90*	55	73*	5	60	0	8	1	8	0	0.06	0.0	29.630	34	5.5	7.7	33	N	20	35	589	68	4	5			
25	60	49	55	-13	50	10	0	1		0	0.07	0.0	29.800	03	8.7	10.1	22	N	16	35	564	65	10	10			
26	56	52	54	-15	52	11	0	1		0	0.30	0.0	29.770	04	6.4	7.4	15	NE	10	02	0	0	10	10			
27	67	48	58	-11	50	7	0	1	8	0	0.00	0.0	29.800	36	3.7	4.5	13	NW	8	34	502	58	10	8			
28	71	48	60	-9	49	5	0	1		0	0.00	0.0	29.960	09	2.5	5.7	14	SE	10	03	677	78	10	9			
29	68	54	61	-8	49	4	0			0	T	0.0	30.050	09	6.0	6.7	20	E	13	10	593	68	10	10			
30	67	55	61	-9	62	4	0	1		0	1.15	0.0	29.920	12	8.6	10.3	21	SE	16	15	0	0	10	10			
31	77	59	68	-2	62	0	3	1		0	0.25	0.0	29.780	28	3.2	6.1	17	SW	12	16	560	64	9	8			
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	TOTAL	SUM						
2255	1572					142	48			4.95	0.0	29.890	03	2.8	7.8	41	SW	24	21	17284		205	190				
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION ≥ .01 INCH.		12	1.40							DATE: 8	DATE: 8	POSSIBLE MONTH	AVG.	AVG.					
72.7	50.7	50.7	61.7	-4.4	52.5	77	-51													26391	65	6.6	6.1				
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS ≥ 1.0 INCH		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE											
MAXIMUM TEMP.		MINIMUM TEMP.		3647		99		THUNDERSTORMS		1		PRECIPITATION		SNOW, ICE PELLETS													
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		1		1.69		18-19		0							
1		0		0		-313		-13		CLEAR		4		PARTLY CLOUDY		12		CLOUDY		15							

* 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

Kenneth D. Haden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 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	1/8THS MILE			AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE			AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																								
MAY 1st																														MAY 2nd																														MAY 3rd																													
01	4	UNL	6		F	52	52	52	100	29	3	3	UNL	7		54	51	49	83	19	9	0	UNL	8			72	62	55	55	24	11																																																									
04	0	UNL	8		F	45	45	45	100	35	4	3	UNL	7		55	51	48	77	19	10	3	UNL	8			68	61	56	66	27	7																																																									
07	2	UNL	5		F	53	53	52	96	32	7	10	UNL	8		59	54	50	72	20	12	8	120	8			68	63	59	73	32	9																																																									
10	3	UNL	6		H	62	56	50	65	34	10	2	UNL	8		76	64	56	50	21	11	7	UNL	10			73	60	49	43	34	8																																																									
13	5	UNL	7			69	57	47	46	27	8	0	UNL	8		86	67	56	36	20	16	3	UNL	10			80	64	53	39	28	9																																																									
16	7	UNL	7			71	57	45	40	25	3	0	UNL	8		87	66	53	31	23	18	0	UNL	10			83	62	45	26	28	12																																																									
19	7	UNL	7			62	55	49	63	17	5	0	UNL	8		81	64	53	38	21	12	0	UNL	10			75	57	42	31	24	5																																																									
22	0	UNL	5		F	53	51	49	86	18	6	0	UNL	8		75	64	56	52	20	14	0	UNL	10			63	55	48	58	34	7																																																									
MAY 4th																														MAY 5th																														MAY 6th																													
01	0	UNL	10			60	51	43	54	01	12	7	100	10		46	44	41	83	01	4	10	17	7			49	47	45	86	04	8																																																									
04	0	UNL	10			56	48	40	55	35	9	10	40	6		RF	48	47	45	89	31	7	10	27	8			48	45	42	80	04	9																																																								
07	1	UNL	10			55	47	39	55	34	11	10	65	4		RF	49	49	48	96	30	5	9	20	12			48	44	40	74	03	8																																																								
10	3	UNL	12			62	51	39	43	33	11	10	11	6		F	51	50	48	90	02	6	8	250	12			52	46	39	61	05	15																																																								
13	5	UNL	12			64	51	37	37	33	14	9	24	8			60	53	47	62	17	4	9	43	12			58	48	38	48	07	15																																																								
16	6	85	12			64	52	39	40	31	11	10	250	8			59	52	46	62	08	10	5	UNL	12			57	47	35	44	03	16																																																								
19	5	UNL	12			58	48	37	46	32	7	5	UNL	7			52	50	47	83	10	8	3	UNL	12			51	43	34	52	04	10																																																								
22	3	UNL	10			50	45	38	64	33	5	8	55	7			50	48	46	86	07	8	7	200	10			47	43	37	68	03	9																																																								
MAY 7th																														MAY 8th																														MAY 9th																													
01	6	UNL	10			44	41	38	80	02	9	10	6	5		LF	47	47	47	100	02	10	3	UNL	5			53	53	53	100	22	8																																																								
04	7	250	10			46	42	36	68	01	10	10	5	5		RF	48	48	48	100	03	15	3	UNL	5			48	48	48	100	16	6																																																								
07	10	35	10			48	43	37	66	01	13	10	3	6		RF	52	52	52	100	04	13	9	120	6			52	52	51	96	17	10																																																								
10	10	33	8		R	48	44	39	71	04	16	10	5	10			58	57	57	97	06	8	9	120	7			58	55	52	81	18	10																																																								
13	10	23	6		R	48	47	45	89	04	15	10	4	10			61	60	60	97	06	11	10	55	7			64	56	49	58	21	11																																																								
16	10	27	5		R	48	47	46	93	02	14	10	20	1		RWF	60	60	60	100	21	21	10	45	8			62	56	51	67	23	8																																																								
19	10	13	1		RLF	46	46	46	100	02	15	2	UNL	6		F	57	56	56	97	13	6	9	70	8			60	54	49	67	29	7																																																								
22	10	8	5		RLF	46	46	46	100	02	13	10	55	2		F	54	54	54	100	05	5	10	70	7			56	53	50	80	25	7																																																								
MAY 10th																														MAY 11th																														MAY 12th																													
01	2	UNL	7			52	50	48	86	26	6	1	UNL	7			56	54	52	87	33	6	0	UNL	7			52	51	50	93	36	8																																																								
04	0	UNL	7			46	46	46	100	23	7	0	UNL	6		F	55	53	52	90	30	4	0	UNL	7			49	49	48	96	36	6																																																								
07	0	UNL	7			52	50	48	86	28	8	0	UNL	6		F	59	56	54	84	32	6	10	9	7			53	52	51	93	02	8																																																								
10	1	UNL	10			64	55	48	56	29	10	0	UNL	7			71	62	56	59	34	6	9	16	7			60	56	52	75	07	5																																																								
13	9	50	10			68	57	48	49	31	10	1	UNL	7			76	65	57	52	03	8	4	UNL	10			71	62	55	57	32	6																																																								
16	5	UNL	8			72	60	50	46	33	8	3	UNL	7			76	64	56	50	01	10	1	UNL	10			74	62	53	48	06	7																																																								
19	0	UNL	7			68	58	50	53	00	0	0	UNL	7			69	61	56	63	06	11	1	UNL	10			68	61	55	63	08	8																																																								
22	0	UNL	4		F	55	54	53	93	00	0	0	UNL	7			58	55	53	84	07	6	0	UNL	10			58	56	54	87	18	3																																																								
MAY 13th																														MAY 14th																														MAY 15th																													
01	0	UNL	5		F	53	53	52	96	00	0	6	UNL	4		F	61	60	60	97	16	4	10	UNL	6			63	61	60	90	11	3																																																								
04	0	UNL	4		F	51	51	51	100	00	0	0	UNL	3		F	57	57	57	100	06	3	10	45	3			63	62	62	97	09	4																																																								
07	1	UNL	6		H	58	56	55	90	00	0	0	UNL	3		F	62	62	61	90	33	6	10	60	1			63	63	63	100	07	6																																																								
10	4	UNL	8			71	63	57	61	24	4	2	UNL	4		H	74	67	62	66	36	8	10	200	3			65	64	64	97	12	7																																																								
13	8	100	10			77	65	57	50	34	7	8	50	5		H	78	68	62	58	04	6	10	12	6			70	68	67	90	07	7																																																								
16	4	UNL	8			75	64	57	54	05	3	5	UNL	5		H	78	67	61	56	05	3	10	16	6			71	68	67	87	10	6																																																								
19	4	UNL	8			69	63	59	71	18	6	7	UNL	5		H	73	67	63	71	04	5	10	110	2			66	65	65	97	12	8																																																								
22	8	UNL	8			63	61	60	90	12	6	6	UNL	6		H	65	62	59	81	11	6	10	110	5			64	64	64	100	11	4																																																								
MAY 16th																														MAY 17th																														MAY 18th																													
01	10	4	2		RF	64	64	64	100	07	5	10	4	3		F	63	63	63	100	07	6	4	UNL	5			59	59	59	100	14	4																																																								
04	10	4	2		RF	63	63	63	100	02	4	10	2	1		F	62	62	62	100	09	5	8	3	4			59	59	59	100	17	4																																																								
07	10	3	1		LF	63	63	63	100	10	5	10	3	1		F	61	61	61	100	10	8	2	UNL	2			65	64	63	93	18	6																																																								
10	10	3	0		LF	67	66	66	97	09	5	10	8	8		H	67	65	63	87	09	3	2	UNL	6			79	71	67	67	26	9																																																								
13	10	13	3		F	72	69	67	84	00	0	5	UNL	6		H	76	69	65	69	12	5	8	150	6			87	74	67	52	30	4																																																								
16	10	7	2		LF	68	67	66	93	05	5	4	UNL	6		H	75	69	65	71	11	11	10	120	7			71	69	68	90	08	3																																																								
19	10	8	2		F	67	66	65	93	04	5	0	UNL	6		H	70	67	65	84	14	6	10	150	2			68	68	68	100	05	4																																																								
22	10	17	2		F	65	65	65	100	12	3	0	UNL	7			62	62	62	100	15	5	10	30	4			68	68	68	100	27	6																																																								

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.29	0.58	0.84	1.10	1.33	1.49	1.51	1.51	1.51	1.52	1.52	1.52
ENDED: DATE	18	18	18	18	18	18	18	18	18	18	18	18
ENDED: TIME	1451	1451	1451	1451	1500	1514	1518	1518	1518	1559	1559	1559

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.

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 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	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	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAY 19th																														
01	10	55	4	RF	66	65	64	93	01	5	0	UNL	10		47	46	45	93	35	7	0	UNL	10		47	46	45	93	35	7
04	10	20	4	RF	64	63	63	97	01	8	0	UNL	10		44	43	42	93	34	6	0	UNL	10		44	43	42	93	34	6
07	10	43	2	F	63	63	63	100	06	10	1	UNL	10		50	47	43	77	01	12	0	UNL	10		52	46	39	61	36	7
10	10	20	6	F	65	63	62	90	06	8	1	UNL	10		60	52	45	58	04	8	0	UNL	10		69	53	36	30	04	5
13	9	29	7		67	62	59	76	05	12	1	UNL	10		67	57	48	51	06	11	0	UNL	10		75	56	39	27	02	10
16	9	200	10		68	59	52	57	11	12	0	UNL	10		70	59	50	49	03	8	0	UNL	10		78	57	38	24	04	7
19	8	200	10		62	55	49	63	04	11	0	UNL	10		65	57	51	61	04	6	0	UNL	10		73	57	42	33	06	6
22	3	UNL	10		54	49	44	69	03	7	0	UNL	10		55	53	52	90	05	3	0	UNL	10		54	51	48	80	00	0
MAY 20th																														
MAY 21st																														
MAY 22nd																														
MAY 23rd																														
MAY 24th																														
MAY 25th																														
MAY 26th																														
MAY 27th																														
MAY 28th																														
MAY 29th																														
MAY 30th																														
MAY 31st																														

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.890	55	54	52	90	6.5	02	2.2
04	5	29.880	54	52	51	91	6.8	01	2.9
07	6	29.920	57	54	52	86	8.2	01	4.1
10	6	29.920	65	58	53	58	8.8	02	3.9
13	7	29.900	70	61	53	58	9.3	03	3.3
16	7	29.870	70	60	52	58	9.5	06	2.1
19	6	29.880	65	58	53	69	7.8	06	3.2
22	5	29.900	58	56	54	85	6.7	06	2.1

WEATHER CODES

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE ZL FREEZING DRIZZLE S SNOW | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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).

