

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

MAR 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		MINUTES	PERCENT OF TOTAL POSSIBLE	SUMRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
																SPEED	DIRECTION					SPEED	DIRECTION
01	65	23	44	2	19	21	0		0	0.00	0.0	29.970	20	9.5	10.1	25	SW	18	20	682	100	0	0
02	76*	39	58	15	32	7	0		0	0.00	0.0	29.920	18	6.7	7.4	23	SE	14	16	673	98	1	0
03	69	43	56	13	42	9	0	1	8	0.00	0.0	29.955	04	6.6	9.1	17	NE	14	07	623	91	2	5
04	48	41	45	2	42	20	0	1		0.0	0.0	30.110	06	5.5	6.1	14	NE	12	04	6	1	10	10
05	57	45	51	8	49	14	0	2		0.0	0.0	30.110	14	1.9	4.5	12	SE	8	18	292	42	10	10
06	60	50	55	11	53	10	0	2		0.55	0.0	30.020	09	6.1	7.3	17	E	12	07	120	17	10	10
07	73	53	63	19	59	2	0	1	3	3.14	0.0	29.710	17	4.6	8.1	45	W	17	29	379	54	9	9
08	73	50	62	18	50	3	0	1		0.00	0.0	29.700	29	7.5	9.0	20	NW	16	31	545	78	7	4
09	73	44	59	14	45	6	0	3	8	0.00	0.0	29.850	19	3.6	6.9	18	W	12	14	680	97	0	2
10	73	52	63*	18	53	2	0	3		0.59	0.0	29.500	16	10.4	11.8	49	W	33	26	430	61	10	10
11	61	31	46	1	27	19	0		0	0.10	0.0	29.360	26	14.1	17.2	39	W	23	30	611	86	5	5
12	50	28	39	-7	19	26	0		0	0.00	0.0	29.630	24	10.3	10.9	28	SW	17	24	622	88	4	5
13	46	29	38	-8	17	27	0		0	0.00	0.0	29.710	32	7.5	9.8	24	W	16	36	607	85	4	5
14	49	21*	35	-11	18	30	0		0	0.00	0.0	29.770	23	8.3	9.2	24	SW	15	24	582	81	8	5
15	45	29	37	-10	23	28	0		8	0.0	0.0	29.800	34	4.8	7.7	22	SW	13	36	566	79	6	5
16	41	23	32*	-15	9	33	0		0	0.00	0.0	30.040	35	8.2	10.8	31	N	18	33	699	97	0	1
17	70	26	48	1	28	17	0		0	0.05	0.0	29.840	22	9.5	11.9	30	SW	21	24	634	88	5	6
18	55	41	48	0	39	17	0	1		0.0	0.0	29.890	07	8.8	9.8	22	E	17	10	363	50	10	10
19	65	35	50	2	42	15	0	1	3	0.03	0.0	29.490	35	6.7	10.0	35	N	25	36	255	35	10	10
20	48	32	40	-9	27	25	0	1		0.00	0.0	29.735	35	6.0	6.6	16	NW	12	36	567	78	10	9
21	50	26	38	-11	23	27	0		0	0.00	0.0	29.860	35	4.4	8.1	31	NW	20	34	678	93	3	2
22	50	26	38	-11	34	27	0	1		0.01	0.0	29.680	17	6.2	9.2	22	SE	15	15	288	39	10	9
23	50	29	40	-10	22	25	0		0	0.00	0.0	29.710	35	12.3	13.0	28	N	18	36	634	86	2	4
24	51	22	37	-13	20	28	0		0	0.00	0.0	30.090	18	1.4	5.5	16	W	12	32	666	90	1	1
25	60	31	46	-4	31	19	0		0	0.00	0.0	30.110	15	10.1	10.7	25	SE	16	13	605	82	6	6
26	50	45	48	-3	47	17	0	1		1.38	0.0	29.710	34	6.4	10.4	21	N	16	34	18	2	10	10
27	58	41	50	-1	33	15	0		0	0.0	0.0	29.600	26	11.3	12.9	35	W	23	29	575	77	6	5
28	60	29	45	-6	21	20	0		0	0.00	0.0	29.850	29	9.8	10.9	31	NW	20	25	717	96	0	0
29	63	34	49	-3	18	16	0		0	0.00	0.0	29.950	26	5.2	7.0	16	W	12	29	645	86	9	7
30	69	48	59	7	41	6	0		0	0.0	0.0	29.740	18	9.9	10.4	28	S	20	21	287	38	10	10
31	62	39	51	-2	39	14	0	1		0.02	0.0	29.630	34	8.0	11.5	31	N	23	33	529	70	5	4
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1820	1105					545	0			5.87	T	29.810	26	1.8	9.5	49	W	33	26	15578	FOR	183	180
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.			PRECIPITATION	DEP.					DATE: 10	DATE: 10	POSSIBLE	MONTH	AVG.	AVG.	AVG.	AVG.
58.7	35.6	47.2	0.0	32.8	-7	0	0			2.30									22252	70	5.9	5.8	
NUMBER OF DAYS						SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF											
						TOTAL	TOTAL					SNOW, ICE PELLETS OR ICE AND DATE											
MAXIMUM TEMP.						3244	3	PRECIPITATION				SNOW, ICE PELLETS											
MINIMUM TEMP.																							
≥ 90° ≤ 32°						DEP.	DEP.	HEAVY FOG															
0						0	0	CLEAR 9				PARTLY CLOUDY 9											
								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. 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

MAR 1992
RICHMOND, VA 13740

HOUR L. S. T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND											
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
MAR 1st																													
01	0	UNL	12	26	22	12	55	00	0	0	UNL	12	50	40	26	39	22	7	9	250	10		57	48	37	47	21	7	
04	0	UNL	12	25	22	15	66	16	4	0	UNL	12	41	36	30	65	19	3	10	UNL	10		51	45	38	61	02	8	
07	0	UNL	10	26	23	16	66	18	6	1	UNL	12	39	35	30	70	00	0	3	UNL	10		45	43	40	83	36	8	
10	0	UNL	10	46	37	20	36	24	13	0	UNL	10	61	48	34	37	22	4	3	UNL	6	H	54	48	42	64	04	7	
13	0	UNL	10	61	43	17	18	20	12	0	UNL	10	74	53	30	20	17	12	0	0	UNL	8		66	55	44	45	02	9
16	0	UNL	10	65	47	22	19	24	13	2	UNL	10	75	54	31	20	18	11	5	UNL	8		66	55	46	49	05	11	
19	0	UNL	12	60	44	21	22	17	7	2	UNL	10	60	48	34	38	16	9	2	UNL	8		53	49	44	72	07	8	
22	0	UNL	12	54	41	23	30	19	10	3	UNL	10	54	46	37	53	18	8	10	13	6	F	47	45	43	86	06	8	
MAR 2nd																													
MAR 3rd																													
MAR 4th																													
MAR 5th																													
MAR 6th																													
MAR 7th																													
MAR 8th																													
MAR 9th																													
MAR 10th																													
MAR 11th																													
MAR 12th																													
MAR 13th																													
MAR 14th																													
MAR 15th																													
MAR 16th																													
MAR 17th																													
MAR 18th																													

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.45	0.68	0.73	0.79	0.88	0.91	0.92	0.95	1.00	1.03	1.08	1.18
ENDED: DATE	07	07	07	07	07	07	07	07	07	07	07	07
ENDED: TIME	2028	2031	2033	2031	2037	2049	2100	2124	2144	2201	0516	0520

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

MAR 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)									
MAR 19th																														
01	10	45	7		44	43	42	93	13	7	10	41	10		35	33	31	85	36	9	0	UNL	10		31	28	22	69	30	4
04	10	11	6	F	45	44	42	89	12	3	10	41	10		35	34	32	89	30	3	0	UNL	10		30	27	22	72	18	4
07	10	10	2	RF	46	46	46	100	08	4	10	UNL	6	F	33	33	32	96	33	4	0	UNL	8		30	27	22	72	24	4
10	10	7	2	F	51	50	49	93	24	5	10	40	8		41	36	28	60	36	10	2	UNL	10		45	38	28	52	34	13
13	9	250	7		64	57	52	65	34	10	10	35	10		43	37	27	53	36	6	7	40	10		46	38	25	44	32	12
16	10	8	4	TRWF	42	41	40	93	36	16	10	UNL	10		46	38	25	44	33	6	3	UNL	10		47	37	21	36	34	9
19	10	17	10		38	36	33	82	36	15	10	UNL	10		41	34	21	45	34	5	0	UNL	10		40	33	21	47	05	5
22	10	27	10		38	35	31	76	36	15	8	UNL	10		37	31	20	50	34	6	0	UNL	10		35	30	19	52	10	4
MAR 20th																														
MAR 21st																														
MAR 22nd																														
MAR 23rd																														
MAR 24th																														
MAR 25th																														
MAR 26th																														
MAR 27th																														
MAR 28th																														
MAR 29th																														
MAR 30th																														
MAR 31st																														

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).

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	DEW POINT OF	REL HUMIDITY %				
01	5	29.820	43	39	34	72	7.5	21	1.6
04	6	29.800	40	38	34	78	6.7	26	0.6
07	6	29.840	39	37	33	79	7.8	32	0.8
10	6	29.850	48	42	32	57	11.4	28	2.8
13	6	29.810	55	45	32	47	12.8	28	4.8
16	6	29.760	55	45	32	48	12.2	28	4.6
19	6	29.780	50	43	33	56	9.3	17	0.9
22	6	29.810	46	41	34	65	8.6	24	1.0

