

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



R.E. BYRD INTERNATIONAL AP.

LATITUDE 37°30' LONGITUDE 77°20' ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

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		WIND (M.P.H.)			SUNSHINE		SKY COVER (TENTHS)		DATE	
	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	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
01	76	51	64	-2	39	1	0		0	0.00	0.0	29.810	27	8.6	9.7	17	30	763	93	3	3	01
02	76	44	60	-3	41	5	0		0	0.00	0.0	29.820	19	5.8	6.2	13	21	616	77	9	8	02
03	68	55	62	-1	58	3	0	1 8	0	0.15	0.0	29.510	11	5.1	8.0	15	18	130	16	10	10	03
04	76	62	69	6	55	0	4		0	0.00	0.0	29.290	24	12.4	15.5	26	27	589	71	8	7	04
05	76	52	64	1	48	1	0		0	0.00	0.0	29.720	25	7.4	8.8	13	27	708	85	4	5	05
06	67	58	63	-1	57	2	0	23	0	0.57	0.0	29.840	05	2.5	6.7	17	15	187	22	10	10	06
07	77	55	66	2	60	0	1	2 8	0	0.02	0.0	29.840	10	3.5	6.9	13	18	615	74	9	10	07
08	84	55	70	6	60	0	5	23 8	0	0.05	0.0	29.605	22	10.4	13.1	25	22	561	67	8	9	08
09	65	46	56	-8	38	9	0		0	0.00	0.0	29.700	26	11.1	12.4	20	26	727	87	4	5	09
10	69	44	57	-8	40	8	0		0	0.00	0.0	29.880	25	3.8	6.8	12	28	829	98	4	2	10
11	78	48	63	-2	49	2	0		0	0.00	0.0	29.900	19	11.0	11.4	17	20	772	91	7	6	11
12	81	60	71	6	55	0	6		0	0.00	0.0	29.780	23	10.0	11.2	16	23	583	69	10	9	12
13	77	52	65	0	50	0	0		0	0.00	0.0	29.820	20	5.5	8.1	15	19	672	79	8	8	13
14	77	47	62	-3	46	3	0		0	0.00	0.0	29.770	34	6.9	11.0	16	01	790	93	5	5	14
15	69	38	54	-12	35	11	0		0	0.00	0.0	29.890	36	6.2	7.8	17	36	810	95	4	3	15
16	63	39	51*	-15	29	14	0		0	0.00	0.0	29.970	35	11.0	11.5	20	32	852	100	2	1	16
17	67	36*	52	-14	31	13	0		0	0.00	0.0	30.070	36	8.2	9.7	18	34	785	92	5	4	17
18	71	47	59	-8	41	6	0		0	0.00	0.0	29.980	16	1.5	5.5	8	11	492	57	10	10	18
19	89	54	72	5	50	0	7		0	0.00	0.0	29.700	24	7.5	9.6	18	23	805	94	2	3	19
20	90	57	74	7	57	0	9		0	0.00	0.0	29.660	23	9.4	10.1	16	23	799	93	2	4	20
21	92	67	80	13	60	0	15		0	0.00	0.0	29.790	22	8.0	8.6	14	21	766	89	5	4	21
22	93	67	80	12	65	0	15		0	0.00	0.0	29.900	20	11.5	11.8	17	20	805	93	4	4	22
23	81	60	71	3	65	0	6	1 3 8	0	0.25	0.0	29.820	21	9.5	11.2	20	32	482	56	10	8	23
24	82	57	70	2	55	0	5	1	0	0.00	0.0	29.930	34	0.5	3.8	10	02	806	93	1	1	24
25	86	54	70	2	57	0	5		0	0.00	0.0	29.880	17	7.4	7.6	14	18	866	100	1	2	25
26	94*	68	81*	12	68	0	16	1 3 8	0	0.15	0.0	29.810	21	9.4	10.6	17	22	752	87	8	8	26
27	76	64	70	1	64	0	5	1 3 8	0	0.66	0.0	30.000	06	7.3	8.3	14	35	0	0	10	10	27
28	86	63	75	6	68	0	10	1 3	0	0.40	0.0	29.910	18	10.8	11.7	25	18	588	68	9	10	28
29	74	66	70	1	68	0	5	1 3	0	1.71	0.0	29.780	20	8.3	9.7	21	18	0	0	10	10	29
30	66	52	59	-11	51	6	0	1	0	0.56	0.0	29.830	01	9.2	10.2	23	35	0	0	10	10	30
31	65	46	56	-14	43	9	0		0	0.00	0.0	29.760	35	10.1	10.4	20	32	822	94	4	3	31
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM				
2391	1664					93	114			4.52	0.0	29.805	23	3.4	9.5	26	27	18972	FOR	196	192	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.					DATE: 4	POSSIBLE	MONTH	AVG.	AVG.			
77.1	53.7	65.4	-0.7	51.7				10		0.97						26391	72	6.3	6.2			
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF							
						TOTAL	TOTAL	> .01 INCH							SNOW, ICE PELLETS OR ICE AND DATE							
						4300	124	THUNDERSTORMS		PRECIPITATION					SNOW, ICE PELLETS							
						4	0	HEAVY FOG		2.07 29-30					0.0							
						340	12	CLEAR		6					PARTLY CLOUDY 10 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. 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 CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

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noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

MAY 1984
 RICHMOND, VIRGINIA

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1984
RICHMOND, VIRGINIA 13740

HOUR L. S. T.	VIST-BILITY				TEMPERATURE				WIND		WEATHER	VIST-BILITY				TEMPERATURE				WIND						
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			
		100	50											10	5									100	50	10
MAY 19th																										
01	9	100	12		59	51	44	58	16	5		MAY 20th				3	UNL	8		73	64	58	60	23	11	
04	8	100	12		54	50	45	72	15	4		MAY 20th				8	UNL	8		67	61	57	70	21	9	
07	3	UNL	10		61	55	49	65	23	7		MAY 20th				10	250	7		67	61	56	68	24	7	
10	0	UNL	10		80	63	50	35	30	9		MAY 20th				10	6	UNL	7		83	66	56	40	23	10
13	1	UNL	15		86	65	50	29	30	11		MAY 20th				12	3	UNL	7		88	68	56	34	22	12
16	5	UNL	15		89	67	53	29	25	10		MAY 20th				13	5	UNL	8		88	68	56	34	22	13
19	2	UNL	15		82	64	51	34	24	11		MAY 20th				8	0	UNL	8		77	66	60	56	20	8
22	2	UNL	15		72	62	54	53	21	8		MAY 20th				9	2	UNL	10		74	64	58	58	22	9
MAY 21st																										
01	2	UNL	7		68	64	62	81	19	9		MAY 23rd				2	UNL	5		60	60	60	100	00	0	
04	3	UNL	7		69	65	63	81	19	8		MAY 23rd				0	UNL	6		58	58	58	100	00	0	
07	0	UNL	6	H	73	68	65	76	21	7		MAY 23rd				0	UNL	7		63	60	58	84	00	0	
10	3	UNL	7		86	74	68	55	22	13		MAY 23rd				0	UNL	7		75	64	56	52	36	7	
13	6	35	8		89	73	65	45	19	14		MAY 23rd				3	UNL	10		79	61	47	33	36	7	
16	5	UNL	8		90	73	65	44	20	15		MAY 23rd				2	UNL	15		81	63	51	35	18	5	
19	8	250	8		82	70	64	55	19	9		MAY 23rd				0	UNL	15		76	63	53	45	19	5	
22	8	UNL	8		76	68	63	64	18	9		MAY 23rd				0	UNL	15		65	59	55	70	00	0	
MAY 22nd																										
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			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	NET BULB OF	DEW POINT OF				
01	5	29.810	61	56	52	75	8.0	25	2.4
04	6	29.810	57	54	51	81	7.3	24	2.0
07	5	29.840	60	56	52	75	8.4	24	3.4
10	6	29.840	69	60	51	56	11.5	26	4.5
13	7	29.800	73	61	52	51	12.5	25	5.0
16	7	29.760	75	62	51	48	12.2	23	5.4
19	7	29.780	69	59	52	57	8.7	19	2.5
22	7	29.810	63	57	52	69	7.5	22	2.9

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1984
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	
03	T	0.01	0.02	0.01				T	T			0.01	0.07					T	T	T	0.01	0.02	T	T	03	
04												T	T												04	
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28	T	0.57	0.09	T	T																				28	
29	T	T	T	T	T																				29	
30	0.02	T	T	T	0.06	0.11	0.02	0.01	T	0.03	0.19	0.32	0.02	0.03	0.02	0.03	0.28	T	0.01					0.15	30	
31	0.07	0.13	0.06	0.05	0.05	0.08	0.03	0.05	0.03	T	0.01	T													0.02	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.20	0.32	0.34	0.40	0.58	0.61	0.64	0.66	0.67	0.67	0.73	0.78
ENDED: DATE	27	27	27	27	27	27	27	27	27	27	27	27
ENDED: TIME	0157	0200	0200	0200	0200	0215	0230	0250	0300	0300	0215	0245

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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