

LOCAL CLIMATOLOGICAL DATA Monthly Summary



R.E. BYRD INTERNATIONAL AP.

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

APR 1985
 RICHMOND, VIRGINIA

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)		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	69	44	57	4	36	8	0	1	8	0	0.00	0.0	29.540	27	8.7	11.5	21	25	757	100	0	2	01
02	59	32	46	-7	26	19	0			0	0.00	0.0	29.660	29	5.5	6.7	16	26	710	94	5	3	02
03	70	30	50	-4	30	15	0			0	0.00	0.0	29.570	22	7.6	9.6	21	22	710	93	7	4	03
04	76	36	56	2	38	9	0			0	0.00	0.0	29.690	16	7.2	8.1	16	19	697	91	2	1	04
05	83	60	72	18	44	0	7			0	0.00	0.0	29.610	20	16.5	16.8	24	20	684	89	9	8	05
06	70	50	60	5	38	5	0			0	0.00	0.0	29.590	24	15.6	17.6	28	22	669	87	4	4	06
07	70	41	56	1	33	9	0	1		0	0.17	0.0	29.865	26	5.3	9.9	21	33	516	67	6	6	07
08	56	31	44	-12	25	21	0			0	0.00	0.0	29.900	27	7.7	9.2	18	29	726	94	4	2	08
09	49	29	39	-17	14	26	0			0	0.00	0.0	29.970	31	11.5	12.6	20	30	733	95	6	4	09
10	55	23*	39*	-17	13	26	0			0	0.00	0.0	30.180	24	2.2	7.2	10	19	778	100	0	1	10
11	70	39	55	-2	34	10	0			0	0.02	0.0	30.085	22	8.1	9.2	14	22	675	87	8	6	11
12	78	40	59	2	40	6	0			0	0.00	0.0	30.205	16	1.7	5.5	12	15	783	100	3	3	12
13	80	49	65	8	46	0	0		8	0	0.00	0.0	30.155	16	7.3	8.4	14	14	660	84	9	8	13
14	71	55	63	5	52	2	0	1	8	0	0.05	0.0	29.990	10	8.9	9.6	18	11	601	76	10	10	14
15	68	56	62	4	56	3	0	1		0	0.15	0.0	29.715	03	7.1	7.9	13	01	84	11	10	10	15
16	80	56	68	10	57	0	3	1	3	0	0.20	0.0	29.650	23	1.6	4.3	13	02	669	85	8	9	16
17	68	46	57	-2	32	8	0			0	0.00	0.0	29.980	02	6.0	9.7	16	01	794	100	0	0	17
18	82	39	61	2	41	4	0			0	0.00	0.0	30.010	20	10.9	11.5	20	20	796	100	0	0	18
19	93	63	78	19	50	0	13			0	0.00	0.0	29.850	24	8.6	9.6	14	25	798	100	0	1	19
20	95	56	76	17	50	0	11		3	0	0.00	0.0	29.860	16	1.6	6.0	10	13	766	96	3	3	20
21	92	57	75	15	53	0	10			0	0.00	0.0	29.880	10	1.6	5.5	10	09	729	91	3	3	21
22	96*	57	77	17	48	0	12			0	0.00	0.0	29.820	23	5.2	5.9	9	21	760	94	4	4	22
23	95	61	78*	18	48	0	13	1	8	0	0.00	0.0	29.790	09	2.3	7.3	14	05	703	87	4	4	23
24	85	61	73	12	61	0	8	1	3	8	0.05	0.0	29.750	06	5.5	7.3	10	11	530	65	9	9	24
25	80	54	67	6	53	0	2	1	8	0	0.01	0.0	29.650	34	6.9	7.9	16	35	725	89	5	5	25
26	88	49	69	8	44	0	4	1	8	0	0.00	0.0	29.750	23	3.9	5.8	12	23	813	100	2	2	26
27	89	52	71	10	48	0	6			0	0.00	0.0	29.710	23	4.9	8.1	15	26	664	81	8	7	27
28	82	58	70	8	54	0	5		8	0	0.00	0.0	29.710	04	4.8	6.9	13	02	652	80	8	8	28
29	72	48	60	-2	39	5	0			0	0.00	0.0	29.930	02	7.8	8.2	14	03	820	100	2	2	29
30	84	44	64	2	40	1	0			0	0.00	0.0	29.940	22	5.2	6.7	13	23	822	100	2	3	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM			
2305	1416					177	94				0.65	0.0	29.830	24	2.5	8.7	28	22	20824	FOR	141	132	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION			DEP.						DATE:	6	POSSIBLE	MONTH	AVG.	AVG.	
76.8	47.2	62.0	4.1	41.3	-49	81		> .01 INCH.		7	-2.25								23701	88	4.7	4.4	
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.		3557	118	THUNDERSTORMS		3	PRECIPITATION		SNOW, ICE PELLETS												
5	90°	2	32°	5	0	-338	105	CLEAR	12	PARTLY CLOUDY	9	CLOUDY	9										

* 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 NOTED IN SUBSEQUENT PUBLICATIONS.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

APR 1985 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	APR 19th			APR 20th			APR 21st			APR 22nd			APR 23rd			APR 24th			APR 25th			APR 26th			APR 27th			APR 28th			APR 29th			APR 30th					
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	TEMPERATURE			WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE			WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE			WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE			WIND		
				AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
01	0	UNL	10	66	57	50	57	22	10	0	UNL	10		66	57	49	55	17	3	3	UNL	7			65	57	51	61	20	8									
04	0	UNL	10	65	57	50	59	22	8	0	UNL	7		62	55	48	60	00	0	2	UNL	7			61	56	51	70	20	4									
07	0	UNL	10	67	59	52	59	24	8	0	UNL	8		62	57	52	70	00	0	2	UNL	7			61	58	55	81	00	0									
10	0	UNL	10	83	66	56	40	25	7	0	UNL	8		85	65	52	32	05	6	4	UNL	7			76	64	55	48	01	5									
13	0	UNL	10	91	67	52	27	23	9	0	UNL	8		92	67	51	25	02	4	0	UNL	7			87	67	55	34	02	8									
16	0	UNL	10	92	65	47	21	25	12	4	UNL	8		93	66	47	21	22	8	1	UNL	7			92	67	50	24	05	4									
19	3	UNL	10	83	62	46	27	23	5	5	UNL	7		80	64	52	38	13	8	4	UNL	7			80	64	54	41	10	7									
22	0	UNL	10	66	56	48	53	22	7	8	180	7	T	75	61	51	43	14	6	2	UNL	7			68	60	54	61	13	3									
01	0	UNL	7	62	58	55	78	00	0	0	UNL	10		62	52	42	48	24	6	10	5	1	4	F	63	61	59	87	04	6									
04	0	UNL	7	57	54	51	81	24	4	2	UNL	10		66	52	37	34	26	7	10	5	1	4	F	62	60	58	87	06	8									
07	3	UNL	10	66	58	47	51	24	6	2	UNL	10		70	55	41	35	27	5	10	8	2	8	FH	61	59	57	87	06	9									
10	3	UNL	10	84	65	53	35	24	6	0	UNL	10		84	61	42	23	00	0	10	13	2	8	H	69	64	60	73	11	5									
13	1	UNL	10	94	66	47	20	31	8	5	UNL	10		92	64	43	18	08	4	5	UNL	5			82	68	60	47	10	7									
16	6	UNL	10	94	65	44	18	21	8	3	UNL	8		85	67	56	37	08	12	8	35	6			81	69	62	53	07	9									
19	9	UNL	10	81	63	50	34	20	5	8	250	7		73	63	56	55	08	9	10	UNL	5			69	67	66	90	04	4									
22	8	UNL	10	69	55	42	38	22	3	10	9	6	H	65	62	60	84	10	7	9	UNL	4			65	64	63	93	03	5									
01	10	8	5	63	58	55	84	35	14	0	UNL	10		52	50	47	83	30	4	2	UNL	15			65	53	42	43	25	8									
04	10	12	6	61	58	56	84	31	5	0	UNL	10		50	49	47	90	00	0	0	UNL	15			56	50	44	64	19	5									
07	10	50	6	59	57	55	87	34	7	0	UNL	6		57	54	51	81	00	0	7	UNL	15			64	55	47	54	24	7									
10	4	UNL	6	68	62	58	71	32	7	1	UNL	15	H	78	61	48	35	32	5	9	250	15			80	63	50	35	27	8									
13	3	UNL	10	77	62	52	42	32	11	4	UNL	15		85	63	47	27	28	7	9	180	15			87	63	46	24	26	8									
16	4	UNL	10	78	62	50	38	33	9	3	UNL	15		88	62	40	19	24	8	10	180	10			82	64	52	36	25	9									
19	2	UNL	10	73	61	52	48	05	4	2	UNL	15		77	57	38	25	19	7	10	100	8			76	63	54	47	23	4									
22	0	UNL	10	58	54	51	78	00	0	0	UNL	15		67	53	40	37	21	7	10	100	10			68	59	51	55	12	11									
01	10	75	8	62	55	49	63	12	8	1	UNL	10		61	55	50	67	03	8	6	UNL	8			46	44	41	83	20	3									
04	7	100	8	59	53	48	67	09	5	0	UNL	10		55	50	44	67	04	10	3	UNL	8			46	44	41	83	00	0									
07	10	100	10	61	54	47	60	04	6	0	UNL	10		54	46	37	53	01	10	6	UNL	7			53	49	44	72	29	6									
10	9	120	10	69	60	54	59	09	4	0	UNL	15		61	49	35	38	03	12	0	UNL	15			73	56	41	32	26	6									
13	9	100	10	75	63	55	50	31	4	0	UNL	15		69	53	37	31	06	8	0	UNL	15			81	59	39	22	23	11									
16	8	45	10	80	65	56	44	35	6	7	UNL	15		71	53	35	27	36	9	0	UNL	15			83	59	37	19	17	8									
19	3	UNL	10	72	64	58	62	03	6	7	UNL	15		67	52	37	33	05	7	1	UNL	15			74	56	40	29	18	7									
22	10	50	5	68	63	60	76	35	7	0	UNL	15		51	46	40	66	00	0	1	UNL	15			58	49	39	49	21	6									

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	4	29.830	54	48	42	68	6.9	22	1.6	
04	4	29.830	51	47	41	71	6.1	24	1.5	
07	5	29.870	53	48	42	70	7.2	25	2.1	
10	5	29.880	66	54	42	43	9.7	26	3.0	
13	4	29.830	73	56	40	32	11.2	25	4.9	
16	5	29.780	74	57	40	31	12.0	25	3.8	
19	5	29.800	66	54	41	44	8.5	19	2.1	
22	4	29.840	58	50	42	58	7.4	17	2.6	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1985
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																								03	
04																								04	
05																								05	
06																								06	
07				T	T																			07	
08																	0.07	0.07	0.03	T				08	
09																								09	
10																								10	
11				0.01	0.01																			11	
12																								12	
13																								13	
14																								14	
15	0.01	0.02	0.02	0.02	0.06	0.02	T	T	T	T												T	0.02	0.03	15
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29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.09	0.16	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.20	0.20
ENDED: DATE	16	16	16	16	16	16	16	16	16	16	16	16
ENDED: TIME	1558	1558	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

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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