

MAY 1986
 RICHMOND, VIRGINIA
 NAT'L WEA SER OFC
 BOX A-63, RICHMOND INT'L AIRPORT

ISSN 0198-537X

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 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 ISEASON BEGINS WITH JULI	COOLING ISEASON BEGINS WITH JANU	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	93*	54	74	12	47	0	9		0	0.00	0.0	29.650	26	9.1	11.7	20	35	755	92	4	4	01	
02	75	49	62	-1	34	3	0		0	0.00	0.0	29.750	32	10.0	12.5	20	01	802	97	1	1	02	
03	66	39	53	-10	23	12	0		0	0.00	0.0	29.980	34	9.6	10.4	20	36	763	92	1	1	03	
04	70	32*	51*	-12	25	14	0		0	0.00	0.0	30.030	24	5.1	7.0	13	21	831	100	7	4	04	
05	86	46	66	3	39	0	1		0	0.00	0.0	29.860	22	11.5	12.0	20	23	776	93	5	3	05	
06	92	57	75	11	53	0	10		0	0.00	0.0	29.780	22	8.0	9.1	14	23	756	91	2	2	06	
07	92	63	78*	14	59	0	13	3	0	T	0.0	29.670	28	5.2	8.1	18	32	749	90	4	4	07	
08	79	57	68	4	52	0	3	1 3	0	0.27	0.0	29.700	02	6.1	9.3	15	01	704	84	8	6	08	
09	64	44	54	-10	44	11	0		0	0.00	0.0	29.970	06	7.9	8.9	12	02	677	81	8	6	09	
10	70	40	55	-10	36	10	0		0	0.00	0.0	29.980	04	4.8	6.6	13	02	842	100	0	1	10	
11	81	41	61	-4	42	4	0		0	0.00	0.0	29.770	08	1.2	7.8	18	06	844	100	0	1	11	
12	73	50	62	-3	42	3	0		0	0.00	0.0	29.815	11	6.0	7.6	13	13	704	83	6	7	12	
13	59	51	55	-10	49	10	0	1	0	0.41	0.0	29.910	11	6.5	7.0	13	09	162	19	10	10	13	
14	57	51	54	-11	54	11	0	1	0	0.58	0.0	30.000	08	6.1	6.5	9	10	0	0	10	10	14	
15	75	56	66	0	60	0	1	1 8	0	T	0.0	30.040	10	2.2	4.3	8	05	321	38	9	9	15	
16	86	59	73	7	63	0	8	2 8	0	0.00	0.0	29.925	20	7.5	8.1	12	20	726	85	9	9	16	
17	89	61	75	9	63	0	10		0	0.00	0.0	29.800	18	3.8	5.2	9	16	782	92	1	2	17	
18	89	63	76	9	64	0	11		0	0.00	0.0	29.760	20	9.7	9.9	16	19	780	91	2	2	18	
19	85	65	75	8	63	0	10		0	T	0.0	29.770	19	10.7	11.4	17	26	641	75	6	5	19	
20	80	61	71	4	65	0	6	1 3	0	1.80	0.0	29.700	17	9.1	11.1	17	35	328	38	9	10	20	
21	78	62	70	3	63	0	5	1	0	0.04	0.0	29.680	17	2.6	6.4	14	17	531	62	8	9	21	
22	75	56	66	-2	54	0	1	1 8	0	0.00	0.0	29.680	33	7.0	8.8	14	36	717	83	7	7	22	
23	77	55	66	-2	50	0	1		0	0.00	0.0	29.770	29	4.0	6.8	13	31	769	89	2	4	23	
24	79	52	66	-2	54	0	1		0	0.00	0.0	29.835	01	3.6	6.2	13	34	768	89	1	3	24	
25	76	59	68	0	56	0	3	8	0	0.00	0.0	29.870	35	3.5	3.9	8	32	724	84	10	9	25	
26	82	56	69	0	57	0	4	1 8	0	0.00	0.0	29.910	09	4.7	6.0	14	11	744	86	8	8	26	
27	74	58	66	-3	59	0	1	1 8	0	0.03	0.0	29.940	17	2.3	4.5	9	24	558	64	10	10	27	
28	85	63	74	5	64	0	9	1 8	0	0.02	0.0	29.810	30	3.6	5.7	13	33	757	87	9	9	28	
29	89	64	77	8	63	0	12	1 8	0	0.00	0.0	29.770	35	2.0	4.2	9	05	788	90	9	9	29	
30	90	63	77	7	65	0	12	1 3 8	0	T	0.0	29.670	19	3.8	6.2	17	13	696	80	7	7	30	
31	90	62	76	6	64	0	11	1 8	0	0.00	0.0	29.620	32	2.9	5.8	12	35	784	90	4	4	31	
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM		
2456	1589				78	142		7		3.15	0.0	29.820	23	0.9	7.7	20	23	20779		177	176		
AVG	AVG	AVG	DEP	AVG	DEP	DEP		PRECIPITATION		DEP							DATE: 5+	POSSIBLE	MONTH	AVG	AVG		
79.2	54.5	66.9	0.8	52.4	13	43		> .01 INCH.	7	-0.40								26391	79	5.7	5.7		
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF															
MAXIMUM TEMP.		MINIMUM TEMP.		3569		169		THUNDERSTORMS		4		PRECIPITATION		SNOW, ICE PELLETS									
> 90°		< 32°		DEP.		DEP.		HEAVY FOG		1		1.80		20		0.0							
5		0		1		0		-391		57		CLEAR		9		PARTLY CLOUDY		9		CLOUDY		13	

MAY 1986
 RICHMOND, VIRGINIA

* 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.

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, ASHEVILLE, NORTH CAROLINA, 28801

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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. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1986 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			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	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																																																																																																																																												
MAY 1st																														MAY 2nd																														MAY 3rd																																																																																																																																																																															
01	2	UNL	10	57	52	48	72	00	0	0	UNL	12	66	54	43	43	34	8	0	UNL	15	48	39	27	44	36	5	04	1	UNL	12	56	51	47	72	15	3	1	UNL	15	61	48	34	37	31	7	0	UNL	15	44	37	25	47	36	17	07	8	250	12	66	56	48	53	22	9	3	UNL	15	63	50	37	38	31	11	0	UNL	15	47	38	25	42	34	7	10	2	UNL	12	80	62	48	33	25	9	1	UNL	15	69	53	38	32	26	13	0	UNL	15	56	43	24	29	31	14	13	4	UNL	15	90	63	42	19	23	13	0	UNL	15	73	54	35	25	30	13	1	UNL	15	62	45	19	19	35	13	16	4	UNL	15	91	64	44	20	24	17	0	UNL	15	73	53	33	23	34	10	0	UNL	15	65	45	16	15	36	10	19	4	UNL	15	84	64	49	30	27	12	0	UNL	10	66	50	32	28	01	17	3	UNL	15	59	43	20	22	35	7	22	6	55	10	79	63	51	38	30	15	0	UNL	15	53	42	28	38	01	12	0	UNL	15	49	39	24	38	03	4												
MAY 4th										MAY 5th										MAY 6th																																																																																																																																																																																																																							
01	0	UNL	15	41	36	29	62	00	0	0	UNL	15	49	42	34	56	18	8	0	UNL	15	63	55	47	56	18	8	04	0	UNL	15	35	32	28	76	00	0	2	UNL	15	47	42	35	63	21	8	0	UNL	15	58	53	49	72	20	6	07	3	UNL	15	45	39	30	56	25	6	0	UNL	15	55	47	37	51	22	7	0	UNL	10	64	58	54	70	23	7	10	10	UNL	15	58	42	18	21	33	8	1	UNL	15	74	56	39	28	22	11	1	UNL	10	81	65	54	39	26	8	13	10	UNL	15	66	46	19	16	26	7	10	UNL	15	83	59	39	21	25	14	6	UNL	10	89	66	51	27	21	11	16	8	UNL	15	70	48	19	14	26	8	8	UNL	15	84	60	39	20	21	16	3	UNL	10	90	67	53	28	23	12	19	3	UNL	15	64	48	27	25	21	8	2	UNL	15	76	59	46	35	21	10	3	UNL	10	81	66	57	44	21	7	22	0	UNL	15	51	43	33	50	19	8	0	UNL	15	71	57	44	38	22	11	4	UNL	12	77	65	58	52	22	8												
MAY 7th										MAY 8th										MAY 9th																																																																																																																																																																																																																							
01	0	UNL	10	65	61	58	78	19	6	10	45	7	70	67	65	84	25	8	0	UNL	15	56	53	50	80	08	9	04	7	120	10	67	62	59	76	21	5	5	UNL	7	67	66	66	97	01	5	8	45	12	54	51	48	80	06	9	07	5	UNL	10	69	64	60	73	27	6	10	40	6	F	65	62	60	84	33	3	10	17	12	53	49	45	74	05	10	10	1	UNL	7	84	69	60	44	32	12	8	250	10	70	57	47	44	02	12	10	23	12	55	50	45	69	06	7	13	7	100	7	89	70	59	36	32	16	4	UNL	15	76	59	44	32	32	12	9	30	12	58	51	44	60	06	8	16	5	UNL	7	91	67	52	27	29	8	8	UNL	15	78	59	42	28	04	11	6	30	15	61	51	40	46	05	8	19	2	UNL	7	82	69	61	49	22	3	3	UNL	15	72	58	46	40	05	5	1	UNL	15	58	50	42	56	07	5	22	4	UNL	7	75	67	62	64	22	8	0	UNL	15	59	55	51	75	16	4	0	UNL	15	48	46	43	83	17	5											
MAY 10th										MAY 11th										MAY 12th																																																																																																																																																																																																																							
01	4	UNL	10	45	44	43	93	00	0	0	UNL	15	47	44	41	80	22	6	8	100	15	54	50	47	77	07	6	04	0	UNL	10	41	41	40	96	02	3	0	UNL	10	43	41	39	86	18	4	8	100	15	52	50	47	83	05	5	07	0	UNL	7	48	46	43	83	01	6	0	UNL	10	52	47	41	66	21	3	8	UNL	15	52	50	47	83	04	6	10	0	UNL	15	59	47	33	38	04	9	0	UNL	15	70	55	42	36	27	9	7	UNL	15	64	50	35	34	15	9	13	1	UNL	15	67	50	32	27	36	10	0	UNL	15	78	59	42	28	28	7	5	UNL	15	69	53	37	31	11	8	16	0	UNL	15	70	51	29	22	03	8	1	UNL	15	81	59	39	22	31	6	5	UNL	15	72	55	38	29	14	6	19	0	UNL	15	64	49	33	32	07	4	0	UNL	15	68	56	46	45	06	16	4	0	UNL	15	63	52	42	46	12	9	22	0	UNL	15	51	46	40	66	00	0	2	UNL	15	56	51	46	69	11	8	7	100	15	57	50	44	62	15	5											
MAY 13th										MAY 14th										MAY 15th																																																																																																																																																																																																																							
01	10	80	15	54	49	43	67	15	3	10	23	4	RF	52	52	51	96	03	5	10	1	1	56	56	56	100	09	3	04	10	65	15	54	49	43	67	09	5	10	4	4	F	52	52	51	96	06	6	10	1	1	57	57	57	100	07	4	07	10	50	15	54	50	47	77	09	6	10	4	2	RWF	53	53	52	96	06	5	10	1	0	57	57	57	100	04	5	10	10	50	10	57	52	47	69	10	6	10	5	3	RWF	54	54	53	96	08	7	10	4	1	62	60	59	90	00	0	13	10	40	7	R	58	55	52	81	12	6	10	5	2	RWF	56	55	55	97	10	8	10	10	2	67	64	62	84	12	4	16	10	35	6	R	57	55	53	87	10	6	10	5	1	LF	56	55	55	97	10	6	10	25	2	72	66	63	73	25	3	19	10	38	5	RF	52	51	50	93	09	10	10	4	5	F	56	55	55	97	10	7	5	UNL	3	68	66	64	87	05	4	22	10	28	4	RF	51	51	50	96	10	6	10	2	1	F	56	56	56	100	09	4	9	17	3	64	63	63	97	12	3
MAY 16th										MAY 17th										MAY 18th																																																																																																																																																																																																																							
01	10	UNL	5	F	61	61	61	100	13	4	8	UNL	7	65	63	61	87	22	6	3	UNL	7	66	64	63	90	19	4	04	10	3	2	F	62	62	62	100	17	5	0	UNL	7	61	60	59	93	20	5	0	UNL	7	65	63	62	90	22	5	07	10	2	1	F	64	63	63	97	19	7	0	UNL	7	66	63	61	84	23	5	0	UNL	7	69	66	64	84	22	9	10	10	250	5	H	76	68	64	67	23	9	2	UNL	7	79	69	63	58	24	3	0	UNL	7	81	71	66	60	20	10	13	10	250	6	H	82	71	65	57	21	10	2	UNL	7	83	71	64	53	15	6	4	UNL	8	86	72	65	50	20	10	16	7	UNL	6	H	84	71	64	51	20	10	3	UNL	7	87	70	61	42	16	8	5	UNL	10	88	73	65	47	19	14	19	9	UNL	6	H	78	70	65	64	20	7	0	UNL	7	80	71	66	63	17	5	1	UNL	10	81	69	63	54	19	9	22	6	UNL	7	74	67	62	66	23	7	0	UNL	7	71	67	64	79	00	0	8	38	8	75	68	64	69	19	8					

WEATHER CODES

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

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).

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1986
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY		WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE			WIND														
	0-3	4-7	8-10	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	0	UNL	7				71	64	60	68	19	10	10	9	1	8	RWF	67	67	67	100	21	9	10	3	6		F	63	62	62	97	23	8
04	0	UNL	7				67	63	61	81	18	8	10	5	5	2	RWF	67	67	67	100	17	11	10	3	6		LF	63	63	63	100	0	0
07	3	UNL	7				70	65	62	76	20	10	10	7	2		RWF	65	64	64	97	18	8	10	4	2		F	64	63	63	97	30	4
10	5	UNL	8				80	70	65	60	20	11	10	10	7		RH	71	69	68	90	18	11	9	15	10		F	69	65	63	81	12	4
13	5	UNL	8				84	69	61	46	19	13	10	15	7		RH	73	70	68	84	19	10	7	28	10			75	67	62	64	14	8
16	9	46	10				80	69	62	54	19	9	8	35	7		RH	78	70	66	67	18	14	9	200	10			76	67	62	62	16	8
19	9	70	10				70	67	65	84	17	8	10	21	7		RH	69	65	62	79	34	6	8	25	6		RW	67	66	66	97	15	10
22	7	70	10				70	67	65	84	19	12	10	23	6		RH	61	61	61	100	15	6	10	65	7			65	63	62	90	34	5
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	29.820	59	56	53	82	5.5	20	1.5
04	5	29.825	57	55	52	84	6.2	19	0.3
07	5	29.850	61	57	53	77	7.2	29	2.1
10	5	29.855	71	61	52	55	9.1	30	1.3
13	6	29.820	76	62	51	46	9.9	27	2.4
16	6	29.780	77	62	51	44	10.0	23	1.8
19	6	29.780	71	61	53	58	8.1	11	1.7
22	6	29.820	64	58	54	73	6.0	19	2.0

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1986
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	0.15					0.12																			08
09																									09
10																									10
11																									11
12																									12
13																									13
14	0.14	0.03	0.01	T	0.05	0.09	0.09	T	T	T	0.05	T	0.01	T	0.01	0.03	0.02	0.05	0.07	0.03	0.04	0.07	0.03	0.05	14
15	T												T										T	T	15
16																									16
17																									17
18																									18
19																									19
20	0.37	T		0.22	0.03	0.13	0.25	0.02	0.02	T			0.01	T		T	T	T	0.23	0.07	0.21	0.10	0.14	20	
21	T			0.01	0.01	T											T	0.02	T					21	
22																									22
23																									23
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25																									25
26																									26
27				T																					27
28	0.02	T																							28
29																									29
30																									30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.09	0.18	0.23	0.25	0.30	0.34	0.37	0.37	0.37	0.37	0.44	0.50
ENDED: DATE	20	20	20	20	20	20	20	20	20	20	20	20
ENDED: TIME	0056	0056	0056	0055	0056	0056	0059	0059	0059	2138	2205	2235

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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