

FEB 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

FEB 1986
 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 DEN 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	52	26	39	2	29	26	0	0.00	0.0	30.245	17	6.2	6.5	14	17	475	77	7	6	01			
02	64	44	54	17	43	11	0	0.00	0.0	29.970	23	7.5	8.6	15	24	508	82	9	8	02			
03	53	38	46	9	37	19	0	0.40	0.0	30.000	06	5.9	6.9	12	06	403	65	10	9	03			
04	44	38	41	4	38	24	0	0.03	0.0	29.860	04	1.8	4.4	12	20	128	20	10	10	04			
05	64	44	54	17	51	11	0	0.00	0.0	29.610	23	8.5	9.1	15	25	215	34	10	7	05			
06	55	35	45	8	43	20	0	0.25	0.0	29.770	05	8.5	9.8	17	07	0	0	10	9	06			
07	35	30	33	-4	31	32	0	0.15	0.0	29.750	01	6.8	7.2	15	02	0	0	10	10	07			
08	42	33	38	0	35	27	0	0.00	0.0	29.900	10	1.6	2.5	7	06	0	0	10	10	08			
09	44	34	39	1	35	26	0	0.00	0.0	29.940	09	0.7	1.2	7	07	79	10	10	9	09			
10	40	34	37	-1	35	28	0	0.05	0.0	29.850	05	5.4	5.6	9	06	0	0	10	10	10			
11	34	27	31	-7	29	34	0	0.60	0.0	29.680	01	9.9	10.8	17	01	0	0	10	10	11			
12	33	22	28	-10	18	37	0	0.00	0.0	29.940	33	6.9	7.6	13	31	543	85	5	5	12			
13	29	17	23*	-15	10	42	0	0.00	0.0	30.095	32	7.0	8.1	17	33	597	93	3	2	13			
14	35	16*	26	-13	17	39	0	0.31	3.5	29.950	20	8.5	9.0	18	22	0	0	10	8	14			
15	42	21	32	-7	22	33	0	0.1	0.0	29.800	31	5.7	8.1	14	30	344	53	5	5	15			
16	48	22	35	-4	23	30	0	0.00	0.0	29.980	15	5.9	6.8	12	17	307	47	8	6	16			
17	69*	40	55*	16	44	10	0	0.00	0.0	29.790	20	8.5	9.9	20	21	458	70	10	10	17			
18	60	46	53	14	51	12	0	0.12	0.0	29.590	28	2.0	6.1	12	31	166	25	10	10	18			
19	58	45	52	12	49	13	0	0.29	0.0	29.560	09	3.8	6.4	13	04	28	4	10	10	19			
20	47	43	45	5	45	20	0	0.0	0.0	29.750	02	7.0	8.0	14	35	0	0	10	10	20			
21	62	43	53	13	48	12	0	0.0	0.0	29.690	24	3.6	11.1	20	36	36	5	10	10	21			
22	43	35	39	-1	30	26	0	0.37	0.0	29.835	03	6.5	7.6	13	36	153	23	10	9	22			
23	49	31	40	0	31	25	0	0.00	0.0	29.790	36	6.6	7.7	12	34	459	69	4	5	23			
24	44	28	36	-5	28	29	0	0.03	0.0	29.760	07	3.1	6.0	12	02	96	14	10	8	24			
25	40	29	35	-6	18	30	0	0.0	0.0	29.700	35	14.7	15.2	22	36	621	92	1	3	25			
26	44	21	33	-8	19	32	0	0.05	0.8	29.560	22	4.4	6.5	14	23	548	81	7	6	26			
27	37	30	34	-8	30	31	0	0.02	0.1	29.360	01	6.1	7.0	14	02	0	0	10	9	27			
28	36	26	31	-11	25	34	0	0.0	0.0	29.740	03	4.9	5.7	12	02	172	25	9	7	28			
SUM	SUM				TOTAL	TOTAL										TOTAL	%	SUM	SUM				
1303	898				713	0			NUMBER OF DAYS							6336	FOR	238	221				
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.			PRECIPITATION						DATE: 25	POSSIBLE	MONTH	AVG.	AVG.				
46.5	32.1	39.3	0.4	32.5	-18	0			> .01 INCH	13						18164	35	8.5	7.9				
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF							
						TOTAL	TOTAL	> 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.						MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
5 90°						2 32°		7		0.65		10-11		3.5		14-15							
0						14		0		-278		0		CLEAR		2		PARTLY CLOUDY		5		CLOUDY 21	

* 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 OCEANIC AND ATMOSPHERIC ADMINISTRATION

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Nadeau
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1986
RICHMOND, VIRGINIA
13740

HOUR	L.S.T.	VISIBILITY			TEMPERATURE				WIND			SKY COVER (TENTHS)	VISIBILITY			TEMPERATURE				WIND											
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)										
FEB 1st																															
01	0	UNL	8		30	27	22	72	00	0		7	250	10		45	41	36	71	20	9	8	80	7		49	47	44	83	34	6
04	0	UNL	7		26	25	23	88	00	0		10	90	7		47	45	42	83	21	10	7	250	7		46	44	41	83	06	8
07	9	80	7		30	28	25	82	12	3		9	250	8		50	48	45	83	23	11	5	UNL	7		39	37	35	86	03	4
10	8	70	6	H	36	33	28	73	18	6		9	70	7		54	48	41	62	23	7	9	80	7		42	38	33	71	06	9
13	1	UNL	7		48	42	33	56	19	7		10	70	8		62	52	41	46	25	7	10	25	7		47	41	33	58	09	6
16	10	UNL	7		51	44	34	52	17	12		9	250	10		63	53	44	50	29	3	10	23	3	RH	45	41	36	71	08	5
19	10	120	8		46	41	34	63	16	9		10	250	10		56	50	45	67	19	4	10	23	2	RF	40	39	38	93	08	4
22	10	250	8		44	39	33	65	18	8		3	UNL	10		48	46	44	86	31	4	10	12	2	RF	39	39	38	96	08	4
FEB 2nd																															
FEB 3rd																															
FEB 4th																															
FEB 5th																															
FEB 6th																															
FEB 7th																															
FEB 8th																															
FEB 9th																															
FEB 10th																															
FEB 11th																															
FEB 12th																															
FEB 13th																															
FEB 14th																															
FEB 15th																															
FEB 16th																															
FEB 17th																															
FEB 18th																															

WEATHER CODES

* TORNADO	ZL FREEZING DRIZZLE	IPM ICE PELLET SHOWERS	BN BLOWING SAND
T THUNDERSTORM	S SNOW	A HAIL	BS BLOWING SNOW
Q SQUALL	SW SNOW SHOWERS	F FOG	BY BLOWING SPRAY
R RAIN	SG SNOW GRAINS	IF ICE FOG	K SMOKE
RW RAIN SHOWERS	SP SNOW PELLETS	GF GROUND FOG	H HAZE
ZR FREEZING RAIN	IC ICE CRYSTALS	BD BLOWING DUST	D DUST
L DRIZZLE	IP ICE PELLETS		

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

FEB 1986
RICHMOND, VIRGINIA 13740

HOUR	L. S. T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			HOUR	L. S. T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			HOUR	L. S. T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																																																				
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																		
FEB 19th																																																																																																								
01	10	0	0	1	F	46	46	46	100	02	3	10	1	0	4	F	46	46	46	100	03	10	10	0	0	4	F	45	45	45	100	03	8	07	10	0	0	1	F	46	46	46	100	10	5	10	10	0	0	1	F	52	51	50	93	18	5	13	10	2	0	12	F	53	53	52	96	18	6	16	10	2	2	8	F	56	55	54	93	11	7	19	10	2	1	8	TRWF	52	52	52	100	00	0	22	10	3	6	F	48	48	47	96	04	5
FEB 20th																																																																																																								
01	10	0	0	1	F	45	45	45	100	00	0	10	1	0	4	LF	45	45	45	100	03	8	07	10	0	0	1	F	46	46	46	100	10	5	10	10	0	0	1	F	52	51	50	93	18	5	13	10	2	0	12	F	53	53	52	96	18	6	16	10	2	2	8	F	56	55	54	93	11	7	19	10	2	1	8	TRWF	52	52	52	100	00	0	22	10	3	6	F	48	48	47	96	04	5											
FEB 21st																																																																																																								
01	10	0	0	1	F	45	45	45	100	09	5	10	0	0	4	F	45	45	45	100	03	8	07	10	0	0	1	F	46	46	46	100	18	5	10	10	0	0	1	F	51	51	51	100	21	11	13	10	2	2	8	F	56	55	54	93	21	13	16	10	2	2	8	F	60	58	57	90	25	13	19	10	4	5	8	H	59	56	54	84	26	8	22	10	3	12	8	F	47	41	34	61	36	17										
FEB 22nd																																																																																																								
01	10	UNL	12			41	38	35	79	36	11	10	4	2		F	37	36	35	93	36	4	07	10	UNL	12			38	31	17	43	36	7	10	10	UNL	10			36	33	28	73	02	8	13	10	250	10			39	35	29	67	03	10	16	10	100	8			40	36	31	70	03	8	19	10	6	2	8	RF	38	35	30	73	05	7	22	10	7	2	8	RF	37	35	32	82	04	2										
FEB 23rd																																																																																																								
01	10	UNL	15			38	34	32	85	05	4	10	UNL	7		F	36	33	29	76	05	4	07	10	UNL	10			36	31	28	85	06	13	10	10	UNL	10			39	35	29	75	03	13	13	10	UNL	10			29	27	22	75	36	13	16	10	UNL	15			31	27	18	59	36	19	19	10	UNL	15			36	29	16	44	35	13	22	10	UNL	15			39	31	14	36	36	17										
FEB 24th																																																																																																								
01	10	UNL	10			33	32	29	85	01	10	10	UNL	15		F	28	23	12	51	31	7	07	10	UNL	10			32	31	28	85	36	13	10	10	UNL	10			29	27	22	75	36	13	13	10	UNL	10			31	27	18	59	36	19	16	10	UNL	15			36	29	16	44	35	13	19	10	UNL	15			39	31	14	36	36	17	22	10	UNL	15			35	27	10	35	34	9										
FEB 25th																																																																																																								
01	10	6	3		SF	33	32	29	85	01	10	10	UNL	15		SF	28	23	12	51	31	7	07	10	13	7			32	31	28	85	36	13	10	10	UNL	10			29	27	22	75	36	13	13	10	UNL	10			31	27	18	59	36	19	16	10	UNL	15			36	29	16	44	35	13	19	10	UNL	15			39	31	14	36	36	17	22	10	UNL	15			35	27	10	35	34	9										
FEB 26th																																																																																																								
01	10	15	4		F	34	32	30	85	20	4	10	UNL	15		SF	33	32	31	92	13	6	07	10	60	4			33	33	32	96	04	5	10	10	40	7			32	29	22	67	02	5	13	10	35	3		SF	30	28	23	75	03	9	16	10	55	10			34	30	23	64	07	5	19	10	25	10			35	30	22	59	01	5	22	10	UNL	10			31	28	22	69	04	5										
FEB 27th																																																																																																								
01	10	4	1		SF	33	32	31	92	11	3	10	4	1		F	33	32	31	92	13	6	07	10	13	7			32	31	28	85	36	13	10	10	UNL	10			29	27	22	75	36	13	13	10	UNL	10			31	27	18	59	36	19	16	10	UNL	15			36	29	16	44	35	13	19	10	UNL	15			39	31	14	36	36	17	22	10	UNL	15			35	27	10	35	34	9										
FEB 28th																																																																																																								
01	10	55	4		F	34	32	30	85	20	4	10	UNL	15		SF	33	32	31	92	13	6	07	10	60	4			33	33	32	96	04	5	10	10	40	7			32	29	22	67	02	5	13	10	35	3		SF	30	28	23	75	03	9	16	10	55	10			34	30	23	64	07	5	19	10	25	10			35	30	22	59	01	5	22	10	UNL	10			31	28	22	69	04	5										

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			
01	7	29.800	37	35	32	85	6.3	36	1.9
04	8	29.790	35	34	32	88	6.0	02	1.6
07	8	29.820	36	34	32	86	7.1	36	2.5
10	8	29.840	40	37	32	77	9.5	36	2.1
13	9	29.800	43	39	32	69	9.1	27	1.4
16	9	29.770	44	40	34	70	9.4	33	2.3
19	8	29.790	41	38	34	77	6.6	04	1.2
22	7	29.805	37	36	33	85	6.5	01	1.8

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 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								T	T															02	
03																								03	
04	0.02	T	T	T	T	0.01	T	T	T	T	T	T	T	T	T	0.01	0.02	0.04	0.03	0.02	0.07	0.06	0.10	0.05	04
05																T	T							05	
06																				0.03	0.01	0.05	0.04	0.12	06
07	0.04	0.09	0.01	0.01			T	T	T	T														07	
08																								08	
09																								09	
10						T	T	T	T											T	T	T	T	10	
11	0.02	0.05	0.16	0.07	0.10	0.12	0.04	0.02	0.01	0.01	T													11	
12																								12	
13																								13	
14																								14	
15	T	T																						15	
16																								16	
17																								17	
18		T	T	T	0.01			0.02	T		T	0.09	T	T	T									18	
19																								19	
20	T			T	T	T	T	T	T									0.12	0.14	0.03	T	T		20	
21																								21	
22																								22	
23																								23	
24																								24	
25	T	T																			0.02	T	0.01	T	25
26																								26	
27	T	T																						27	
28																								28	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.02	0.03	0.04	0.06	0.08	0.12	0.16	0.17	0.20	0.26	0.28	0.33
ENDED: DATE	22	22	22	19	19	19	11	19	11	19	11	11
ENDED: TIME	2225	1746	1753	1834	1858	1858	0259	1925	0348	1959	0428	0513

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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