

FEB 1984
 RICHMOND, VIRGINIA
 NAT'L WEA SER OFC
 BOX A-63 BYRD AIRPORT

ISSN 0198-537X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



R.E. BYRD INTERNATIONAL AP.

LATITUDE 37°30' LONGITUDE 077°20' ELEVATION (GROUND) 00164 FEET TIME ZONE EASTERN 13740

FEB 1984 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°F		WEATHER TYPES	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	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	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
01	40	17	29	-8	14	36	0	0	0.00	0.0	30.000	21	1.8	4.5			620	100	0	0	01	
02	53	21	37	0	22	28	0	0	0.00	0.0	30.100	17	8.0	8.4	13	SE	622	100	1	0	02	
03	61	35	48	11	39	17	0	1	0.18	0.0	29.815	17	11.3	12.1	20	SE	324	52	10	8	03	
04	51	33	42	5	43	23	0	2	0.18	0.0	29.540	36	2.5	5.2	9	S	0	0	10	8	04	
05	38	27	33	-4	33	32	0	2	0.28	1.3	29.460	29	2.6	5.9	13	NW	382	61	10	7	05	
06	33	24	29	-8	23	36	0	1	0.15	1.5	29.690	33	7.0	8.3	16	N	62	10	10	6	06	
07	36	17*	27*	-10	12	38	0	1	0.00	0.0	30.040	31	10.1	10.4	18	NW	632	100	1	0	07	
08	37	18	28	-10	13	37	0	T	0.00	0.0	30.260	30	3.0	7.3	12	NW	634	100	0	0	08	
09	61	22	42	4	22	23	0	0	0.00	0.0	30.110	22	2.8	5.9	14	W	636	100	8	4	09	
10	64	29	47	9	28	18	0	8	0.00	0.0	30.160	17	6.4	6.7	17	S	568	89	7	6	10	
11	64	49	57	19	49	8	0	2	0.43	0.0	30.070	18	8.4	9.2	19	S	557	87	9	9	11	
12	69	41	55	17	50	10	0	2	0.00	0.0	30.120	10	3.5	4.4	16	NE	582	91	3	6	12	
13	69	47	58	20	52	7	0	2	0.14	0.0	30.025	11	11.0	11.3	18	E	528	82	10	10	13	
14	63	54	59*	20	56	6	0	1	1.41	0.0	29.730	14	8.0	12.6	25	SE	116	18	10	10	14	
15	56	51	54	15	44	11	0	0	0.01	0.0	29.810	31	9.3	10.3	15	W	204	31	10	10	15	
16	58	50	54	15	44	11	0	0	0.00	0.0	29.940	01	5.0	8.0	17	N	0	0	10	10	16	
17	58	46	52	13	45	13	0	2	0.00	0.0	29.880	12	4.2	6.2	14	N	355	54	7	7	17	
18	64	38	51	12	41	14	0	2	0.00	0.0	29.870	08	0.4	4.2	10	N	548	84	5	5	18	
19	69	43	56	16	43	9	0	0	0.00	0.0	29.780	17	9.3	10.0	17	S	494	75	10	10	19	
20	60	40	50	10	36	15	0	0	0.00	0.0	29.650	29	7.6	9.2	15	SW	569	86	6	6	20	
21	56	31	44	4	25	21	0	8	0.00	0.0	29.690	26	5.5	7.6	17	SW	663	100	2	1	21	
22	57	29	43	3	27	22	0	8	0.00	0.0	29.890	14	3.4	5.1	9	SE	665	100	0	1	22	
23	51	39	45	5	39	20	0	8	0.70	0.0	29.460	05	4.7	9.4	26	NE	0	0	10	10	23	
24	69*	44	57	16	40	8	0	1	0.01	0.0	29.485	25	6.7	10.6	17	NW	545	81	4	7	24	
25	54	37	46	5	28	19	0	0	0.00	0.0	29.510	26	11.9	15.8	28	SW	672	100	5	3	25	
26	50	28	39	-2	19	26	0	0	0.00	0.0	29.950	34	4.1	6.3	13	NW	675	100	1	1	26	
27	41	30	36	-6	30	29	0	4	0.37	T	29.840	04	8.6	10.0	19	NE	0	0	10	8	27	
28	51	35	43	1	37	22	0	2	0.11	T	29.170	23	9.7	14.1	25	SW	221	33	10	10	28	
29	41	29	35	-7	14	30	0	0	0.00	0.0	29.450	28	14.7	15.6	22	W	681	100	5	3	29	

SUM	SUM					TOTAL	TOTAL																
1574	1004					589	0																
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION															
54.3	34.6	44.5	5.6	33.4	-16.5		0	> .01 INCH.	12	0.84													
NUMBER OF DAYS						SEASON TO DATE	TOTAL	SNOW, ICE PELLETS > 1.0 INCH	2	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.				3268	0	THUNDERSTORMS	0	PRECIPITATION	SNOW, ICE PELLETS												
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	HEAVY FOG	8	1.55	13-14	1.5	06										
0	0	13	0			128	0	CLEAR	8	PARTLY CLOUDY	7	CLOUDY	14										

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T 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.

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

L. Roy Hoxit

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1984
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISIBILITY			TEMPERATURE				WIND			VISIBILITY			TEMPERATURE				WIND																																																																																
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																	
																																		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																						
FEB 19th																																	FEB 20th																																	FEB 21st																																
01	10	250	7			47	44	40	77	12	7	10	80	8			55	51	48	77	18	8	1	UNL	12					37	34	29	73	20	3																																																															
04	10	250	7			45	43	41	86	12	3	10	80	8			50	48	46	86	24	6	2	UNL	12					35	33	29	75	24	3																																																															
07	10	200	7			45	43	40	83	12	6	10	100	10			55	47	39	55	31	10	1	UNL	6		H			32	30	26	79	22	3																																																															
10	10	200	7			53	49	44	72	16	7	8	250	10			55	45	33	44	30	12	6	UNL	7					48	40	29	48	22	6																																																															
13	10	250	7			65	55	46	50	14	10	8	250	10			58	46	32	38	28	8	4	UNL	12					54	41	22	29	26	14																																																															
16	10	120	8			68	55	44	42	17	11	3	UNL	15			60	47	31	34	29	10	0	UNL	12					56	42	20	25	29	13																																																															
19	10	250	8			62	53	44	52	18	11	5	UNL	15			62	43	31	45	31	5	0	UNL	15					46	37	23	40	21	5																																																															
22	10	250	8			59	52	46	62	18	10	0	UNL	15			45	39	30	56	32	8	0	UNL	15					41	34	23	49	04	4																																																															
FEB 22nd																																	FEB 23rd																																	FEB 24th																																
01	0	UNL	12			32	30	25	75	03	3	5	UNL	10			40	36	31	70	13	6	10	5	1					45	44	43	93	32	12																																																															
04	0	UNL	10			30	28	24	78	00	0	10	80	10			39	36	31	73	12	3	10	4	2					46	45	44	93	31	10																																																															
07	0	UNL	6		H	29	27	24	82	00	0	10	45	7			40	37	33	76	34	6	8	45	10					48	46	43	83	27	10																																																															
10	0	UNL	7			43	36	26	51	06	6	10	40	6			43	41	38	83	05	13	1	UNL	10					55	48	41	60	26	6																																																															
13	0	UNL	10			53	42	27	37	02	3	10	40	5			47	44	41	80	04	15	0	UNL	15					66	51	35	32	26	10																																																															
16	1	UNL	10			55	42	24	30	17	6	10	6	2			50	49	47	90	06	10	7	UNL	15					68	51	34	29	20	10																																																															
19	2	UNL	10			47	39	28	48	14	8	10	3	1			47	47	47	100	24	10	10	250	15					55	47	38	53	18	8																																																															
22	0	UNL	10			41	37	31	68	14	9	10	3	2			44	44	43	96	23	4	10	250	15					53	46	39	59	17	8																																																															
FEB 25th																																	FEB 26th																																	FEB 27th																																
01	6	120	15			53	46	37	55	17	10	0	UNL	15			36	30	20	52	28	6	0	UNL	15					31	28	21	67	00	0																																																															
04	6	55	15			51	45	39	64	19	12	0	UNL	15			31	27	20	64	32	4	3	UNL	15					30	28	24	78	01	5																																																															
07	4	UNL	15			48	44	39	71	21	10	2	UNL	15			28	26	21	75	00	0	9	150	15					32	30	25	75	04	6																																																															
10	9	50	15			50	42	31	48	25	18	2	UNL	10			39	31	17	41	31	13	10	45	10					35	31	25	67	04	8																																																															
13	9	50	15			52	41	25	35	28	15	0	UNL	10			46	35	16	30	30	9	10	28	7					37	34	30	76	06	12																																																															
16	1	UNL	15			51	39	21	31	29	15	0	UNL	15			49	37	15	26	30	4	10	10	2					35	34	32	89	08	13																																																															
19	0	UNL	15			44	35	20	38	30	13	0	UNL	15			41	33	20	43	05	5	10	4	5					37	36	35	93	03	11																																																															
22	0	UNL	15			40	33	20	45	29	12	0	UNL	15			36	30	20	52	07	5	10	4	1					41	40	39	93	36	9																																																															
FEB 28th																																	FEB 29th																																																																	
01	10	3	1		8	F	40	40	39	96	34	7	2	UNL	10			34	30	23	64	23	14																																																																											
04	10	2	0		8	LF	41	41	40	96	32	8	0	UNL	10			32	27	16	52	26	13																																																																											
07	10	2	1		8	F	39	39	38	96	36	4	1	UNL	10			30	25	14	51	27	13																																																																											
10	10	1	0		2	F	40	39	38	93	18	6	7	200	15			35	28	14	42	28	14																																																																											
13	10	20	12				49	47	44	83	23	16	5	UNL	15			38	30	13	36	29	15																																																																											
16	10	25	10				45	43	41	86	21	16	4	UNL	15			40	31	14	35	29	15																																																																											
19	10	30	8				39	36	32	76	22	20	5	UNL	15			35	28	13	40	29	11																																																																											
22	6	40	10				36	33	29	76	22	20	0	UNL	15			31	25	10	41	29	15																																																																											

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	WET BULB OF	DEW POINT OF				
01	5	29.810	40	37	33	77	7.3	21	1.5
04	5	29.805	38	36	33	81	6.7	27	1.4
07	6	29.830	38	36	32	82	6.8	30	1.5
10	7	29.850	44	39	33	69	9.6	27	1.4
13	6	29.800	51	44	34	57	11.3	25	2.7
16	6	29.765	52	45	34	54	10.6	22	3.0
19	5	29.800	46	41	34	66	8.8	19	1.9
22	5	29.810	43	39	33	71	9.2	20	1.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 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																									03
04		T	0.07	0.03	T	T	0.01	0.01	T	T	0.01	T	T	T	T	0.01	0.04	0.05	0.05	0.03	T			04	
05							0.02	0.08	0.06	0.06	0.05	T			0.01	T								05	
06																								06	
07																								07	
08																								08	
09																								09	
10																								10	
11	T	T	T	T	T	T		T									T	0.12	0.14	0.16	0.01			11	
12																								12	
13																								13	
14	0.02	0.08	0.05	0.01	T	0.02	0.38	0.50	0.11	0.06	0.04	0.01	0.05	0.03	0.01				T	0.01	0.02	0.01	0.05	0.09	14
15							T	T							T										15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24			T	T	0.01	T	0.02	0.05	0.08	0.07	T	T	T	0.13	0.25	0.05	0.03	0.02							24
25																									25
26																									26
27												T	T	0.06	0.07	0.07	0.01	T			0.01	0.13	0.02	T	27
28	T		0.02	0.05	0.01	0.02	T						T								T				28
29																									29

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.12	0.19	0.21	0.27	0.30	0.36	0.60	0.70	0.85	0.89	0.96	0.99
ENDED: DATE	11	14	14	14	14	14	14	14	14	14	14	14
ENDED: TIME	1835	0745	0750	0755	0805	0700	0750	0810	0800	0820	0850	0920

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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