

MAR 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 77°20' ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

MAR 1984
 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)				
	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	DATE		
01	43	25	34	-8	10	31	0		0	0.00	0.0	29.760	26	10.4	11.5	19	W	682	100	1	1	01	
02	49	31	40	-3	20	25	0		0	0.00	0.0	29.845	25	8.2	10.1	18	SW	556	81	8	6	02	
03	47	21	34	-9	15	31	0		0	0.00	0.0	30.020	36	2.9	4.6	10	NE	687	100	0	0	03	
04	47	21	34	-9	20	31	0	4	0	T	30.130	07	3.7	5.9	7	E	656	95	5	5	04		
05	55	36	46	3	41	19	0	8	0	0.89	0.0	29.800	17	5.1	7.1	13	SE	180	26	10	10	05	
06	55	36	46	2	39	19	0	1	0	0.46	T	29.620	01	6.7	8.6	17	N	236	34	10	10	06	
07	47	32	40	-4	26	25	0	1	0	0.04	T	29.840	34	6.7	8.4	17	N	589	85	6	6	07	
08	53	25	39	-5	29	26	0	3	0	0.18	0.0	29.810	18	4.5	11.3	27	SE	546	78	8	7	08	
09	35	21	28*	-17	11	37	0		0	0.00	0.0	30.010	33	2.4	13.6	22	NW	701	100	1	0	09	
10	40	17*	29	-16	13	36	0		0	0.00	0.0	30.100	14	2.3	5.7	13	SE	704	100	3	3	10	
11	54	27	41	-4	21	24	0		0	0.00	0.0	29.880	25	7.9	10.9	20	SW	706	100	1	2	11	
12	42	26	34	-12	16	31	0		0	0.00	0.0	30.300	07	6.8	9.8	13	N	695	98	5	5	12	
13	34	31	33	-13	30	32	0	6	0	1.37	T	30.055	34	7.3	9.8	14	NW	0	0	10	10	13	
14	54	30	42	-4	34	23	0	8	0	0.00	0.0	30.070	34	6.6	7.5	19	NW	665	93	4	3	14	
15	63	30	47	0	32	18	0	8	0	0.00	0.0	30.145	33	1.1	5.7	8	N	694	97	5	4	15	
16	77*	41	59*	12	42	6	0	8	0	0.00	0.0	29.880	31	4.1	11.0	29	NW	636	89	8	6	16	
17	57	40	49	2	33	16	0		0	0.00	0.0	30.000	36	11.6	12.9	21	N	596	83	4	6	17	
18	56	37	47	-1	35	18	0		0	0.00	T	29.950	07	3.2	7.0	12	E	602	83	8	8	18	
19	54	40	47	-1	39	18	0	8	0	0.00	T	29.840	12	3.4	5.9	13	13	438	60	8	8	19	
20	66	38	52	3	41	13	0	8	0	0.00	0.0	29.710	12	7.9	9.0	16	15	544	75	7	8	20	
21	60	47	54	5	41	11	0	8	0	0.53	0.0	29.345	19	11.2	16.1	30	21	489	67	8	8	21	
22	64	41	53	4	31	12	0		0	0.00	0.0	29.570	24	12.0	14.1	23	23	528	72	8	5	22	
23	60	38	49	-1	26	16	0		0	0.00	0.0	29.810	27	9.9	11.5	23	25	735	100	1	3	23	
24	65	30	48	-2	30	17	0		0	0.00	0.0	29.930	15	4.6	5.9	13	18	683	93	2	4	24	
25	50	44	47	-3	45	18	0	3	0	2.20	0.0	29.590	01	7.3	10.0	18	35	0	0	10	10	25	
26	57	38	48	-3	35	17	0	3	0	0.40	T	29.610	35	8.5	10.7	23	34	474	64	7	8	26	
27	61	38	50	-1	36	15	0	8	0	0.00	0.0	29.650	13	6.4	7.3	12	10	529	71	10	8	27	
28	57	46	52	1	46	13	0	3	0	1.80	0.0	29.145	05	10.0	11.5	22	02	0	0	10	10	28	
29	48	34	41	-11	32	24	0	34	0	0.78	0.3	28.940	30	16.7	18.1	24	30	0	0	10	10	29	
30	55	42	49	-3	26	16	0		0	0.00	0.0	29.580	31	13.6	13.8	23	34	653	89	7	6	30	
31	56	36	46	-7	25	19	0		0	0.00	0.0	29.820	31	7.5	9.0	15	33	754	100	4	3	31	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM		
1661	1039					657	0			8.65	0.3	29.800	32	2.4	9.8	30	21	15958		189	183		
AVG.	AVG.	AVG.	DEP.	AVG.	AVG.	DEP.	DEP.			PRECIPITATION	DEP.							DATE: 21	POSSIBLE	MONTH	AVG.	AVG.	
53.6	33.5	43.6	-3.6	29.6	105	0	0			> .01 INCH.	10	5.08						22252	72	6.1	5.9		
NUMBER OF DAYS						SEASON TO DATE	TOTAL	TOTAL	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.	3925	0	THUNDERSTORMS	6	PRECIPITATION	2.54	25-26	0.3	29								
> 90°						< 32°	0	0	HEAVY FOG	0							T 29+						
0						0	14	0	256	0	CLEAR	7	PARTLY CLOUDY	10	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.

STATION CONVERTED FROM FASTEST MILE TO FASTEST OBSERVED
 1-MINUTE WINDS ON MARCH 20TH, 1984.

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 Hout

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

MAR 1984
RICHMOND, VIRGINIA 13740

HOUR	L.S.T.	VISI-BILITY		WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE			WIND				
		CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %		DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAR 1st																														
01	0	UNL	15		28	22	8	43	31	12	10	100	12		34	27	13	42	27	8	0	UNL	12		31	26	16	54	02	7
04	4	UNL	15		25	21	10	53	24	6	7	250	12		32	27	15	50	23	4	0	UNL	12		26	22	13	58	00	0
07	0	UNL	15		25	20	6	44	28	7	9	80	10		32	27	16	52	24	6	0	UNL	12		22	20	15	74	02	4
10	0	UNL	15		31	24	7	36	25	12	10	250	12		40	33	20	45	21	11	0	UNL	15		33	27	13	44	36	4
13	4	UNL	15		37	29	10	33	27	13	7	UNL	12		47	37	21	36	26	12	0	UNL	15		41	32	14	33	33	6
16	0	UNL	15		42	32	12	29	27	14	6	40	12		49	39	23	36	25	16	0	UNL	15		47	35	13	25	32	10
19	1	UNL	15		37	29	10	33	23	8	3	UNL	12		44	37	25	47	25	10	0	UNL	15		37	31	18	46	06	4
22	0	UNL	15		32	26	13	45	22	7	0	UNL	12		39	33	24	55	29	6	0	UNL	15		30	27	20	66	00	0
MAR 2nd																														
MAR 3rd																														
MAR 4th																														
MAR 5th																														
MAR 6th																														
MAR 7th																														
MAR 8th																														
MAR 9th																														
MAR 10th																														
MAR 11th																														
MAR 12th																														
MAR 13th																														
MAR 14th																														
MAR 15th																														
MAR 16th																														
MAR 17th																														
MAR 18th																														

WEATHER CODES

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM O SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> 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

MAR 1984
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND			VISI-BILITY			WEATHER	TEMPERATURE				WIND												
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	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	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	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
MAR 19th																																
01	10	6	5	F	40	39	38	93	13	11	0	UNL	4	FH	41	40	39	93	17	4	10	12	7				51	49	46	83	09	12
04	10	4	2	F	40	39	38	93	10	6	8	30	1	F	40	39	38	93	00	0	10	9	6	TRW			55	54	53	93	15	7
07	10	3	1	RWF	40	39	38	93	03	5	10	30	1	F	41	41	40	96	20	4	10	70	8			54	53	52	93	12	12	
10	10	5	1	F	40	39	38	93	31	3	4	UNL	5	H	56	49	42	60	16	8	8	20	10			60	57	54	81	18	15	
13	10	12	1	FH	45	43	40	83	05	5	7	UNL	6	H	63	52	42	46	14	13	7	30	15			56	47	38	51	21	18	
16	5	UNL	5	H	54	48	41	62	17	4	8	250	6	H	65	54	43	45	13	9	8	35	15			57	45	30	36	23	14	
19	6	80	5	H	48	45	41	77	14	5	10	250	7	H	54	48	42	64	10	12	9	38	15			54	45	34	47	17	10	
22	10	80	5	H	45	44	43	93	18	5	10	12	7		50	46	41	71	10	12	8	45	15			50	42	32	50	24	12	
MAR 20th																																
MAR 21st																																
MAR 22nd																																
MAR 23rd																																
MAR 24th																																
MAR 25th																																
MAR 26th																																
MAR 27th																																
MAR 28th																																
MAR 29th																																
MAR 30th																																
MAR 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	WET BULB OF	DEW POINT OF				
01	6	29.800	39	35	29	6.9	8.8	36	2.0
04	6	29.785	37	34	28	7.3	7.2	31	2.3
07	6	29.820	35	33	28	7.6	8.4	33	3.6
10	6	29.835	43	38	30	6.3	11.4	32	2.8
13	6	29.800	49	41	30	5.3	11.9	29	4.9
16	6	29.750	52	43	30	4.7	12.1	28	4.7
19	6	29.780	47	40	31	5.6	9.2	02	1.2
22	5	29.815	42	37	30	6.6	8.3	36	1.8

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 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																								04				
05						T	T	T	T				T	0.10	0.15	0.08	0.09	0.06	0.06	0.11	0.08	0.07	T	0.03	0.01	0.05	05	
06	0.07	0.03	0.03	0.10	0.07	0.07	0.03	0.02	0.02	0.01	0.01																06	
07	0.04	T	T	T	T	T																			T	T		07
08																												08
09																												09
10																												10
11																												11
12																												12
13				0.01	0.01	0.02	0.02	0.08	0.23	0.25	0.15	0.18	0.25	0.11	0.05	0.01	T	T	T	T					T	T		13
14																												14
15																												15
16																												16
17																												17
18																												18
19																												19
20																												20
21				0.26	0.06	0.12	0.09																					21
22																												22
23																												23
24																												24
25					0.08	0.12	0.15	0.45	0.23	0.24	0.13	0.16	0.22	0.07	T	T	0.01	T	0.01	T	T			0.27	0.06	T	25	
26	0.01	0.19	0.13	0.01	T	T	0.06	T	T																			26
27																												27
28				T	T	0.11	0.20	0.12	0.29	0.10	0.11	0.14	0.03		T	0.02	T	0.02	0.06	T	T			0.28	0.31	0.01	28	
29	0.09	0.43	0.01	0.01	0.12	0.11	0.01	T																				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)	0.21	0.27	0.31	0.34	0.37	0.40	0.48	0.56	0.60	0.60	0.85	1.01
ENDED: DATE	29	29	29	29	29	29	25	25	28	28	25	25
ENDED: TIME	0122	0122	0122	0122	0135	0145	0813	0803	2300	2315	0920	0950

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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