

MAR 1988
 RICHMOND, VA
 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' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

MAR 1988
 RICHMOND, VA

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	PEAK GUST	DIRECTION	DIRECTION	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MITONIGHT TO MIDNIGHT
01	55	26	41	-1	22	24	0		0	0.00	0.0	30.010	30	3.2	5.8	21	W	14	31	640	94	1	1
02	63	30	47	4	26	18	0		0	0.00	0.0	29.980	20	9.9	10.5	29	SW	20	24	584	85	7	5
03	64	44	54	11	40	11	0	1	8	0	0.0	29.860	20	8.2	9.3	17	S	15	18	253	37	10	10
04	66	43	55	12	51	10	0	1	8	0	0.10	29.680	21	5.6	14.1	33	N	30	34	87	13	10	10
05	46	34	40	-3	23	25	0		0	0.00	0.0	30.090	03	8.6	10.2	24	N	16	03	310	45	9	9
06	52	28	40	-4	26	25	0		0	0	0	29.980	14	2.4	5.1	13	SE	9	17	595	86	7	7
07	68	30	49	5	34	16	0	1		0	0.00	29.940	30	1.8	5.2	22	NE	12	03	696	100	0	0
08	63	38	51	7	36	14	0		8	0	0.00	30.100	11	5.7	7.5	17	SE	14	15	630	90	3	2
09	60	42	51	6	51	14	0	2	8	0	0.49	29.680	19	8.2	9.5	22	S	17	20	240	34	10	9
10	55	38	47	2	37	18	0	2		0	0.03	29.460	01	11.8	12.6	26	N	23	02	400	57	7	6
11	59	29	44	-1	22	21	0		0	0	0.00	29.890	28	1.0	8.1	18	N	14	03	706	100	0	0
12	69	36	53	7	36	12	0		0	0	0.00	29.760	21	14.7	15.0	33	SW	21	21	708	100	4	4
13	66	43	55	9	42	10	0	1		0	0.08	29.470	28	7.8	12.1	29	NW	22	33	523	74	6	6
14	43	31	37	-9	26	28	0	1		0	0.02	29.505	34	8.2	10.0	24	NW	17	34	406	57	10	7
15	38	26	32	-15	12	33	0		0	0	0.00	29.635	31	12.6	12.9	28	NW	17	30	638	89	7	5
16	49	28	39	-8	14	26	0		0	0	0.00	29.840	31	11.6	12.1	24	NW	17	30	652	91	2	2
17	51	27	39	-8	19	26	0		0	0	0.00	30.000	30	7.3	9.5	28	NW	17	28	670	93	3	2
18	54	27	41	-7	27	24	0	1		0	0.11	29.860	20	4.2	8.5	28	SW	17	23	530	73	9	8
19	52	30	41	-7	27	24	0	1		0	0.14	29.600	32	8.2	10.9	25	NW	18	29	543	75	7	7
20	59	29	44	-5	23	21	0		0	0	0.00	29.700	28	7.2	13.8	36	W	28	27	727	100	4	2
21	40	24	32*	-17	22	33	0	1		0	0	30.070	03	7.4	8.1	22	NE	16	02	387	53	9	6
22	52	19*	36	-13	20	29	0		0	0	0.00	30.280	06	1.5	5.1	16	E	9	11	733	100	2	1
23	66	30	48	-2	36	17	0		0	0	0.00	30.245	18	10.5	10.8	25	S	20	19	675	92	7	4
24	77	57	67*	17	54	0	2		0	0	0.00	30.090	19	14.7	15.0	25	S	20	20	580	79	7	7
25	78	54	66	16	55	0	1	1		0	0.00	30.000	19	16.3	16.8	32	S	25	19	600	81	7	6
26	63	52	58	7	55	7	0	1	3	0	1.01	29.750	17	4.9	13.4	37	NW	24	31	324	44	9	10
27	60	41	51	0	36	14	0		0	0	0	29.810	29	9.2	11.5	28	W	18	29	650	87	3	2
28	64	31	48	-3	30	17	0		0	0	0.00	30.140	29	1.0	4.3	15	W	10	29	681	91	2	2
29	75	39	57	5	38	8	0		0	0	0.00	30.080	17	8.7	9.3	22	S	16	18	730	97	3	3
30	81*	49	65	13	51	0	0		0	0	0.00	30.000	20	9.5	10.4	23	S	17	23	692	92	7	6
31	72	53	63	10	52	2	0		0	0	0.00	30.050	06	5.6	7.8	21	NE	15	04	561	74	9	8
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL			FOR THE MONTH:				TOTAL	%	SUM	SUM		
1863	1108				527	3				1.98	T	29.890	24	2.6	10.2	37	NW	30	34	17151	FOR	181	157
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.							DATE: 26	DATE: 4	POSSIBLE	MONTH	AVG.	AVG.	
60.0	35.7	47.9	0.7	33.6	-25	3		0.1		-1.59									2252	77	5.8	5.1	
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.		3742		3		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG		2		1.01		26		21*									
0	0	16	0	73	3	CLEAR 10		PARTLY CLOUDY 12		CLOUDY 9													

* 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. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: 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). ERRORS WILL BE CORRECTED 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

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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. Wadman
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1988
RICHMOND, VA

13740

HOUR L.S.T.	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	HEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
MAR 1st																													
01	0	UNL	8	34	31	26	73	00	0	0	UNL	12		35	31	23	62	16	5	10	100	10		49	41	29	46	18	7
04	0	UNL	8	28	26	23	82	00	0	0	UNL	12		33	30	23	67	19	4	8	100	10		46	40	31	56	20	8
07	3	UNL	7	29	27	24	82	30	3	1	UNL	8		31	29	25	79	17	4	10	100	10		49	42	32	52	20	7
10	0	UNL	10	48	38	21	34	31	7	3	UNL	10		52	42	29	41	20	12	10	100	10		55	45	34	45	23	7
13	1	UNL	10	53	39	16	23	27	8	9	UNL	10		60	45	25	26	21	16	10	100	6		63	51	39	41	27	10
16	0	UNL	10	55	40	16	21	31	7	10	250	10		62	46	26	25	23	14	10	60	5	H	57	53	49	75	15	8
19	0	UNL	10	44	35	21	40	00	0	9	UNL	10		54	43	27	35	18	6	8	90	6	H	56	53	50	80	18	11
22	0	UNL	10	37	32	23	57	14	6	6	10	120	10		49	41	30	48	20	10	UNL	6	H	53	51	50	90	17	10
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 Q 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

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HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	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	AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)												
MAR 19th																																	
01	10	33	2		RF	43	43	43	100	31	4	0	UNL	10			30	27	22	72	23	7	7	80	7			39	32	19	45	06	8
04	10	25	6		RF	40	38	36	86	01	12	0	UNL	10			34	30	22	62	23	9	8	80	7			37	31	18	46	04	7
07	10	250	7			38	36	33	82	01	6	5	UNL	10			36	31	23	59	23	14	10	80	7			33	29	20	59	04	11
10	7	55	8			43	37	28	56	36	14	1	UNL	10			51	41	28	41	24	20	10	18	0	8	SF	30	29	28	92	02	10
13	7	50	10			46	37	23	40	31	14	6	60	10			55	43	27	34	29	16	10	15	7			30	29	26	85	02	12
16	4	UNL	10			51	39	20	30	29	16	0	UNL	10			58	43	23	26	31	12	7	40	8			34	30	23	64	08	5
19	7	65	10			46	37	23	40	24	4	0	UNL	15			48	38	21	34	01	10	0	UNL	10			33	29	20	59	00	0
22	0	UNL	10			42	33	18	38	28	4	0	UNL	15			40	33	19	43	06	7	0	UNL	10			26	24	21	81	00	0
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)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.870	43	39	34	72	8.3	22	3.0
04	4	29.890	40	38	33	77	8.1	22	2.1
07	5	29.920	41	38	34	80	8.3	22	2.6
10	6	29.930	50	43	34	55	13.0	26	2.7
13	6	29.900	56	46	34	46	12.3	26	4.1
16	6	29.840	59	48	33	41	12.1	24	4.6
19	5	29.860	51	44	34	55	8.4	18	1.6
22	5	29.900	46	41	34	64	8.6	16	1.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1988
RICHMOND, VA

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
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14																									14
15																									15
16																									16
17																									17
18																									18
19	0.04	0.04	0.01	0.05	T	T	T																		19
20																									20
21																									21
22																									22
23																									23
24																									24
25																									25
26																									26
27	T	T	0.03		0.02	0.04	0.01	0.03	0.08	0.19	0.15	0.02	0.24	T		0.04	T		0.11	0.05	T	T	T	27	
28																									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)	0.07	0.13	0.17	0.19	0.23	0.26	0.27	0.29	0.33	0.38	0.44	0.59
ENDED: DATE	26	26	26	26	26	26	26	26	26	26	26	26
ENDED: TIME	1227	1227	1227	1230	1236	1239	1239	1239	1100	1239	1239	1230

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.

VALIDATED BY:
BILL CLAYTON

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