

JAN 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

**JAN 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 WATER EQUIVALENT (INCHES) SNOW, ICE PELLETS (INCHES)	AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE MINUTES	SKY COVER (TENTHS)							
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)					COOLING (SEASON BEGINS WITH JAN)	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED		FASTEST MILE	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE			
01	46	26	36	-1	26	29	0	1	8	0	T	0.0	29.910	34	4.1	7.0	15	01	525	91	1	3	01
02	54	24	39	2	21	25	0	0	0	0.00	T	0.0	30.060	18	5.2	5.7	12	17	539	93	3	4	02
03	61	37	49	12	30	16	0	0	8	0.10	T	0.0	29.715	27	7.5	9.3	16	26	443	77	4	5	03
04	44	29	37	0	28	28	0	0	8	0.00	T	0.0	29.910	13	2.7	5.1	10	15	438	76	10	9	04
05	47	32	40	3	22	25	0	1	8	0.00	T	0.0	29.670	28	9.6	11.5	21	31	508	88	3	3	05
06	52	26	39	2	13	26	0	0	0	0.00	T	0.0	29.830	24	10.3	13.0	22	26	503	87	6	6	06
07	37	20	29	-8	15	36	0	1	0	0.00	T	0.0	30.140	01	9.3	9.7	16	36	450	77	10	7	07
08	31	14	23	-14	6	42	0	0	0	0.00	T	0.0	30.470	34	7.2	7.7	15	33	584	100	0	0	08
09	48	13	31	-6	7	34	0	0	0	0.00	T	0.0	30.230	21	8.2	8.3	13	22	585	100	0	0	09
10	58	28	43	6	11	22	0	0	0	0.00	T	0.0	29.880	26	2.8	8.5	15	03	514	88	5	6	10
11	44	27	36	-1	20	29	0	0	0	0.00	T	0.0	29.970	01	5.5	8.2	15	03	587	100	0	0	11
12	62	26	44	7	20	21	0	0	0	0.00	T	0.0	29.710	21	11.9	12.1	20	22	588	100	3	2	12
13	46	26	36	0	16	29	0	0	0	0.00	T	0.0	29.620	31	9.0	10.4	21	33	443	75	7	3	13
14	35	19	27	-9	14	38	0	1	0	0.05	T	0.8	29.820	34	1.6	6.0	12	32	394	67	8	6	14
15	32	18	25	-11	8	40	0	0	0	0.00	T	0.0	30.220	03	4.4	8.0	15	02	592	100	3	4	15
16	53	20	37	1	19	28	0	0	0	0.00	T	0.0	30.270	17	5.3	6.4	9	21	593	100	2	2	16
17	64	29	47	11	40	18	0	1	8	0.00	T	0.0	30.160	21	9.3	9.7	16	24	494	83	9	8	17
18	69	47	58*	22	49	7	0	0	0	0.00	T	0.0	29.980	19	7.4	8.1	13	21	518	87	9	9	18
19	64	43	54	18	54	11	0	1	0	0.66	T	0.0	29.440	18	6.9	9.3	17	25	350	59	10	9	19
20	48	34	41	5	29	24	0	0	0	0.00	T	0.0	29.400	25	14.7	15.2	24	27	498	83	9	6	20
21	56	31	44	8	26	21	0	0	0	0.00	T	0.0	29.880	25	4.8	6.9	9	27	600	100	0	0	21
22	70*	35	53	17	35	12	0	0	0	0.00	T	0.0	29.890	21	4.0	10.9	20	01	536	89	6	5	22
23	44	28	36	0	23	29	0	0	0	0.00	T	0.0	30.150	02	11.1	11.4	16	36	553	92	8	6	23
24	41	25	33	-3	19	32	0	0	0	0.00	T	0.0	30.300	04	8.7	9.6	13	02	561	93	0	2	24
25	35	29	32	-5	31	33	0	1	4 6	0.72	T	0.1	30.050	01	5.9	6.9	10	31	0	0	10	10	25
26	38	33	36	-1	35	29	0	1	0	0.93	T	0.0	29.510	34	7.2	8.0	10	32	0	0	10	10	26
27	33	18	26	-11	22	39	0	1	1	0.08	T	0.0	29.300	30	12.0	12.3	22	30	244	40	10	10	27
28	24	12*	18*	-19	1	47	0	1	1	0.00	T	0.0	29.730	26	11.0	12.5	17	30	560	91	0	3	28
29	28	16	22	-15	19	43	0	1	1	0.15	T	1.5	29.780	19	5.6	7.0	12	21	0	0	10	9	29
30	34	19	27	-10	15	38	0	1	2	0.00	T	0.0	30.060	36	8.3	9.1	16	36	616	100	2	3	30
31	44	17	31	-6	19	34	0	2	2	0.00	T	0.0	30.210	17	3.6	4.2	10	18	563	91	2	4	31

* 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 NOTED IN SUBSEQUENT PUBLICATIONS.

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Kenneth D. Walden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1986
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)										
JAN 19th																																
01	10	55	10		56	53	51	83	16	7					42	40	37	83	23	12												
04	10	4	2	RF	54	54	54	100	12	4	2	UNL	10		40	36	31	70	24	14												
07	10	4	1	RLF	56	56	56	100	15	8	8	45	15		39	35	28	65	23	12												
10	10	4	2	RF	59	58	58	97	15	9	10	70	15		41	36	28	60	25	16												
13	10	6	6	L	61	60	59	93	16	7	10	19	10		38	36	32	79	24	16												
16	9	5	7		60	59	59	97	15	3	9	200	10		48	40	28	46	27	19												
19	10	13	7		58	57	57	97	22	14	6	80	10		43	36	26	51	26	14												
22	6	70	8		50	49	47	90	24	14	0	UNL	10		37	32	24	59	26	11												
JAN 20th																																
JAN 21st																																
JAN 22nd																																
JAN 23rd																																
JAN 24th																																
JAN 25th																																
JAN 26th																																
JAN 27th																																
JAN 28th																																
JAN 29th																																
JAN 30th																																
JAN 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	4	29.910	32	29	22	69	8.0	29	2.2
04	5	29.900	31	28	22	71	8.1	29	2.5
07	5	29.920	30	28	22	73	8.6	26	2.3
10	5	29.960	37	32	22	60	11.1	27	3.1
13	5	29.890	43	35	23	49	11.1	27	4.4
16	5	29.870	44	36	23	47	10.4	26	4.4
19	5	29.910	37	32	23	59	8.1	25	2.2
22	5	29.930	34	30	22	65	8.0	30	1.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 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	T																							01	
02																									02
03				0.06	0.04	T		T	T	T														03	
04																								04	
05																								05	
06																								06	
07												T	T	T										07	
08																								08	
09																								09	
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15		T	T						0.01	0.01	0.02	0.01	T		T	T								15	
16																								16	
17																								17	
18																								18	
19				T	0.15	0.10	T	T	0.04	T	T		T	T	0.31	0.01		T	0.02	0.02	0.01	T	T	19	
20													T	T										20	
21																								21	
22																								22	
23																								23	
24																								24	
25		T	T	0.01		T	T	0.01	T	T	0.01	0.01	0.01		0.01	0.01	T	0.05	0.03	0.07	0.12	0.18	0.09	0.11	25
26	0.16	0.13	0.12	0.10	0.04	T	T	T		0.01	T	T	0.02	0.07	0.07	0.04	0.02	0.02	0.03	0.04	0.01	T	0.04	0.01	26
27	0.01	0.02	0.01	T	T	0.01	T	T	T	T	0.01	T	0.02	T	T	T	0.01	0.01	T	T	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)	0.06	0.12	0.17	0.22	0.28	0.29	0.31	0.31	0.31	0.32	0.37	0.43
ENDED: DATE	19	19	19	19	19	19	19	19	19	25	25	25
ENDED: TIME	1452	1441	1446	1452	1452	1506	1459	1459	1459	2155	2225	2345

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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