

LOCATION OF OFFICE DECEMBER 31, 1900.

Street, North Tenth

Number, 6

Room, 22-23-24-25

SUM OF BAROMETER CORRECTIONS.

From 8 a. m. Jan 1 to 8 p. m. May 31 inc., -.024 in.

From 8 a. m. June 1 to 8 p. m. Dec 31 inc., -.010 in.

From        m. to        m. inc.,        in.

REMARKS.

*Office moved from Chamber of Commerce Building to Times Building on <sup>May 31</sup> June 30, 1900 - First observation in new location 8 am June 1, 1900.*  
*Authority for Change in Sum of Cor- rections - letter dated June 9, 1900 - Instrument Div.*

U. S. Department of Agriculture,

WEATHER BUREAU.

# ANNUAL METEOROLOGICAL SUMMARY

FOR

1900.

STATION:

Richmond, Va.

INSTRUCTIONS.

1. This form will be made out in duplicate at the end of the year, on the current edition.
2. Seventy-fifth meridian time must be used throughout this report.
3. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates and changes in elevation must be carefully recorded on the margin.
4. The sum of corrections, and all changes in the same, must be carefully noted under "Sum of Barometer Corrections," page 1, with the authority for the new correction; also the date and observation upon which it was first used.
5. When one or more observations are taken late, state the fact on the margin of page 2 in this way: One (or more) 8 a. m. (or 8 p. m.) observations taken late. Connect the note to the name of the month by a reference mark. When one or more observations are missed connect all data for less than a full month with a footnote, stating the length of time of the record.
6. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as herein-after provided for, will be taken from the summary of Form 1001—Met'l. The last decimal in the case of the four elements above named will be disposed of in accordance with the usual rule.
7. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 6, Form 1001.

8. The data to be entered in the columns headed "Total" and "Possible" will be taken from the sum of the columns similarly headed on Form 1070. The "Percentage" will be taken from the monthly percentage of "Total." Stations not supplied with a sunshine recorder will leave these columns blank.

9. The prevailing wind direction for the year (at foot of column headed "Prevailing Direction") will be determined from the sums of "Number of times observed blowing from the N., NE., etc.," except at stations preparing page 5, Form 1001, for the whole year. In the latter case it will be determined from the sums of the time columns, page 8.

10. The mean hourly pressure (recorded to thousandths), temperature, and wind velocity will be taken from the mean values at the foot of Forms 1026 and 1022, respectively, and the data for entry in columns headed "For the month," from the average hourly pressure, temperature, and wind velocity, respectively. The base number will be entered once only, in the space provided for it on page 5. The data for entry on page 8 will be taken from the sums as recorded at the foot of page 5, Form 1001. The percentage for the year will be obtained by dividing the sum (multiplied by 100) of the miles and hours from each direction by the total number of miles and hours for the year, respectively. Stations not preparing page 5, Form 1001, will leave the columns on this page blank. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing, the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

11. A copy of this form will be forwarded to the office of the Chief of Bureau not later than the 15th day of January succeeding the year for which it is the record, in an envelope marked "Records."

WILLIS L. MOORE,  
*Chief of U. S. Weather Bureau.*



ANNUAL METEOROLOGICAL SUMMARY FOR 1900.—STATION **Richmond, Va.**

Latitude N. 32° 37' Longitude W. 77° 27' Local time 0 h. 10 min. (*t*) SLOWER than 75th meridian time.

MONTHS.	STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.)							TEMPERATURE.												No. of Days.		
	STATION ELEVATION OF BAROMETER CISTERN ABOVE MEAN SEA-LEVEL, <u>144</u> FEET.							ELEVATION OF DRY THERMOMETER BULB ABOVE GROUND ON DEC. 31, <u>82</u> FEET.														
	MEAN.			Highest observed. (s.) (c.) In.	Date.	Lowest observed. (s.) (c.) In.	Date.	Absolute range. (s.) (c.) In.	MEAN.		FROM SELF-REGISTERING INSTRUMENTS.											
	8 a. m. (s.) (c.) In.	8 p. m. (s.) (c.) In.	Monthly. (s.) (c.) In.						8 a. m. (d.) o	8 p. m. (d.) o	MEAN.			High- est. (e.) o	Date.	Low- est. (e.) o	Date.	RANGE.		Mean daily change. (d.) o	Max. below 32°	Max. above 90°
			Max. (d.) o	Min. (d.) o	Month-ly. (d.) o	Abso-lute. (e.) o	Mean daily. (d.) o															
Jan.,	29.97			30.43	4	29.39	20	1.04	33.6	48.1	30.7	39.4	68	16"	12	2	56	17.4	5.5	1	0	16.
Feb.,	29.92			30.47	27	29.20	22	1.27	32.2	47.4	27.9	37.6	70	8	10	1	60	19.5	8.1	6	0	17
Mar.,	29.91			30.39	8	29.35	1	1.04	38.8	53.9	33.6	43.8	71	23	19	12	52	20.3	8.0	0	0	14
April,	29.92			30.25	16	29.54	7	0.72	51.9	67.4	47.2	57.3	84	30	31	5	53	20.2	4.9	0	0	1
May,	29.86			30.15	30	29.33	19	0.82	62.9	78.6	55.3	67.0	94	16	43	4	51	23.4	4.3	0	4	0
June,	29.85			30.02	20	29.68	8	0.35	71.6	83.7	65.5	74.6	92	27	56	20	36	18.2	3.2	0	6	0
July,	29.89			30.02	2	29.60	8	0.42	77.6	91.5	70.9	81.2	99	21	61	10	38	20.6	2.5	0	17	0
Aug.,	29.91			30.16	5	29.77	21	0.39	77.8	93.6	72.2	82.9	102	11	65	6	37	21.4	1.9	0	23	0
Sept.,	29.97			30.17	2	29.67	12	0.50	70.6	85.6	65.7	75.6	98	9	52	19	46	19.9	3.3	0	13	0
Oct.,	30.04			30.26	25	29.75	13	0.52	59.3	73.0	56.2	64.6	88	6	38	18	50	16.8	3.7	0	0	0
Nov.,	29.96			30.49	17	29.26	26	1.23	46.0	61.6	42.6	52.1	82	23	28	16	54	19.0	4.7	0	0	3
Dec.,	29.99			30.34	16	29.40	4	0.94	34.7	49.3	31.3	40.3	64	24	19	15	45	18.0	6.1	1	0	16
Sum.,	30.19			Highest. 30.49	Date. Nov. 17	Lowest. 29.20	Date. Feb. 22	9.24	657.0	833.7	599.1	716.4	Max. 102	Date. Aug. 11"	Min. 10	Date. Feb. 1	578	234.7	56.2	8	63	67
Mean,	29.93			30.49	17	29.20	22	0.77	54.8	69.5	49.9	59.7	102	11"	10	1	48	19.6	4.7	a.	a.	a.

a.—Omit data from this space. c.—To hundredths. d.—To tenths. e.—To whole numbers. s.—Not to be filled out till end of year. t.—Enter the word "faster," or "slower," as the case may be.

(2) Elevation thermos. changed June 1, 1900 - Removal of office - former elevation 98 feet.







MONTHS.	MEAN CLOUDINESS. (0 to 10.)			HOURS OF SUNSHINE.			WIND. ELEVATION OF ANEMOMETER CUPS ABOVE GROUND DEC. 31, <u>90</u> FEET.														NUMBER OF DAYS.										
	8 a.m. (d.)	8 p.m. (d.)	Monthly. (d.)	TOTAL.	POSSIBLE.	PERCENTAGE.	TOTAL MOVEMENT IN MILES.	PRE-VAILING DIRECTION.	MAXIMUM HOURLY VELOCITY DURING MONTH.			NO. OF DAYS WITH GALES.	DIRECTION.								No. of CALMS.	CLEAR.	PARTLY CLOUDY.	CLOUDY.	PRECIPITATION.				THUNDERSTORMS.	AURORAS.	
									NUMBER OF TIMES OBSERVED BLOWING FROM THE—				N.	NE.	E.	SE.	S.	SW.	W.	NW.					.01 inch and over.	.04 inch and over.	Snow.	Hail.			Fog.
									Miles.	From.	Date.																				
Jan.,	4.1		4.7				4866	N	26	W	26"	0	12	6	3	3	16	7	6	8	1	13	8	10	9	7	1	0	5	0	0
Feb.,	5.1		5.1				5277	SW	32	SE	24"	0	9	4	0	11	8	10	7	6	1	10	10	8	14	10	4	0	2	1	0
Mar.,	7.1		6.5				6265	N	36	S	6	0	15	7	2	5	10	9	6	7	1	5	11	15	12	10	5	0	0	0	0
April,	4.7		4.4				4897	N	36	NW	4	0	13	8	5	10	8	4	6	6	0	15	6	9	6	6	0	0	1	1	0
May,	4.5		4.2				5165	SE	26	NW	9	0	13	5	1	9	16	9	5	4	0	14	8	9	8	5	0	0	0	4	0
June,	5.9		6.2				3685	SW	30	NW	14	0	10	6	2	7	9	19	5	2	0	4	16	10	10	7	0	0	0	5	0
July,	3.4		3.9				3890	SW	33	NW	8	0	8	5	1	10	13	18	6	1	0	12	16	3	8	7	0	0	0	7	0
Aug.,	3.0		3.4				2930	N	24	SW	13	0	8	5	3	9	10	8	3	14	0	17	13	1	10	7	0	0	0	8	0
Sept.,	4.0		4.1				3031	S	17	SW	12	0	7	8	4	7	21	8	2	3	0	17	8	5	7	7	0	0	2	3	0
Oct.,	6.6		5.1				3159	N	16	N	16	0	19	9	5	8	8	8	1	2	2	13	6	12	9	6	0	0	3	2	0
Nov.,	5.7		4.8				4121	SW	35	SW	26	0	12	5	0	2	12	11	5	11	7	11	9	10	9	7	0	0	2	1	0
Dec.,	4.9		4.9				3587	N	20	NW	5	0	15	4	0	5	13	12	5	4	4	12	11	8	5	5	1	0	3	0	0
Sum.,	39.0		57.3				50873	a.	a.	a.	a.	0	141	72	26	80	144	123	59	68	11	143	122	100	107	84	11	0	18	32	0
Mean,	4.9		4.8				a.	SW	36	S	Mch 6	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.

h.—Days with 40 miles per hour and over. j.—One entry only.

Elevation of anemometer changed June 1, 1900 - Removal of office. Former elevation 105 feet.