U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR MARCH, 1897.

VIRGINIA SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU,

IN COOPERATION WITH THE

VIRGINIA STATE BOARD OF AGRICULTURE.

PREPARED UNDER THE DIRECTION OF

WILLIS L. MOORE,

CHIEF OF BUREAU.

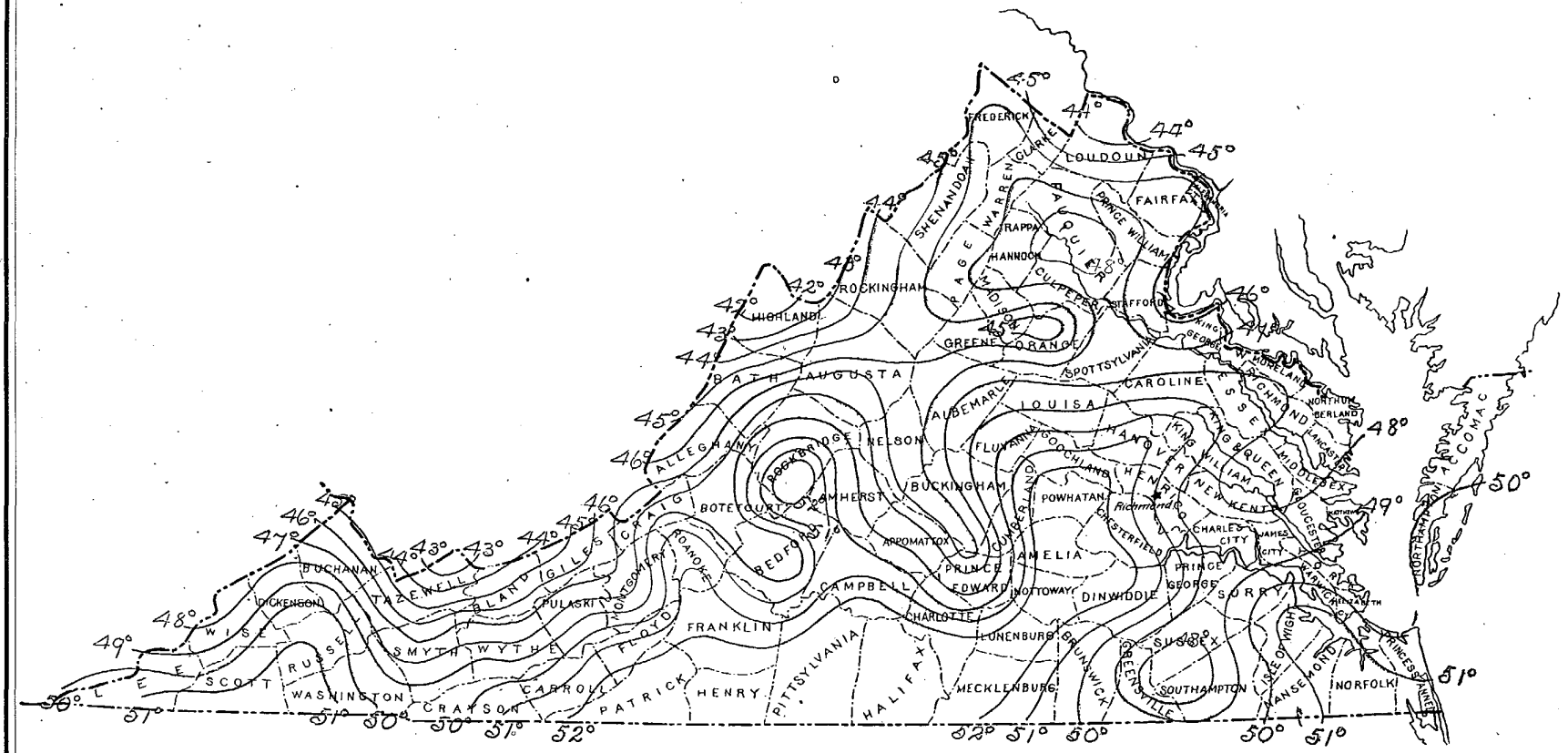
BY

EDWARD A. EVANS

SECTION DIRECTOR,

RICHMOND, VA.

MONTHLY MEAN TEMPERATURE FOR MARCH, 1897.



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Central Office, WASHINGTON, D. C. } WILLIS L. MOORE, Chief.

VIRGINIA SECTION,
E. A. EVANS, Section Director,
RICHMOND, VA.

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THE PERIODICITY OF GOOD AND BAD SEASONS.

Concluded next month.

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A lecture on the above subject, delivered June 3, 1896, by H. C. Russell, director of the astronomical observatory and also of the meteorological service at Sydney, N. S. W., is published in an abridged form in the English journal Nature, for August 20, 1896. The importance of long-range predictions to the agricultural interests of the United States demands that we give our careful attention to the discovery announced by Mr. Russell that, in general, there is a periodicity of nineteen years in the occurrence of droughts. He began by studying the statistics of the records in Australia since 1788, the date of the foundation of the colony of New South Wales, and here first found evidence of a 19-year period. He next found that the droughts of India coincided with those of Australia, so far as the records went, and that he could, by means of the Indian record, plausibly locate the greatest of all the droughts in Australia as having occurred in 1769–70. Up to this time he had not studied the ordinary dry years separately from those in which phenomenal droughts occurred, but had found that bad or droughty years usually came in groups of from three to seven. The end of the first and the beginning of the second year of drought was the date used by him in his studies.

Russell now divided the droughts into first and second class, treating each separately, and proceeded to study European statistics. Between the years 900 and 1896, A. D., the interval of nine hundred and ninety-six years embraces about fifty-two periods of nineteen years each; he found that of the fifty-two repetitions of years when droughts should be expected they were actually present on forty-four of these; of the eight missing years six occurred between 900 and 1000, A. D., when the historical record is very incomplete. Starting with 1896, and reckoning backward to 900, Russell found 78 droughts in different countries somewhere in the world that fit into the period of recurrence of droughts of the first class. During the same period he found that there should be fifty-one returns of the year that is characterized by second-class droughts, and that history actually records 89 such droughts in different countries on thirty-six of these periods. There is, therefore, a total of 167 droughts between the years 900 and 1896 that occur on the years when droughts are to be expected, according to Russell's 19-year period, and there remain only 41 other droughts on record, scattered through various discordant years; of these latter, 26 are considered by him to belong to a third class, that is irregular in Australia, but more regular and more important in the Northern Hemisphere. Mr. Russell, therefore claims that out of 208 recorded droughts, 193 fit into his cycle of nineteen years, and that as this cycle has continued for a thousand years, so it may be trusted to justify forecasts based upon it.

Going farther back in history, our author finds that of 20 droughts recorded in B. C. years, 19 fit into his drought cycle, and the fact of such a remarkable agreement is urged as a confirmation of the historical chronology, although it seems reasoning in a circle. The drought predicted to Pharaoh by Joseph apparently belongs to the same period as that predicted by Elijah forty-two cycles (or forty-two times nineteen years) later; the drought predicted by Elisha occurred nineteen years, or one cycle, after that of Elijah, and these ancient predictions seem to Russell to show that the Egyptians and Jews knew of this 19 year period. He even considers it possible that the records kept by the Assyrians since the year 3800 B. C. must have shown them this 19-year period in droughts, as it is known to have also shown them the similar period of eighteen years in eclipses.

Russell further finds that red rains, due to red dust floating in the atmosphere, argue the prevalence of very dusty weather; at least, it is true that in New South Wales red rains and red dust immediately attend severe droughts. He finds that, beginning with the year 738 B. C., there are 69 recorded falls of red rain, every one of which fits into his 19 year cycle. If these were really due to droughts, then they add ten more records of drought years to the one hundred and ninety-three quoted above, and leave only five years on which no droughts are recorded out of two hundred and eight years in which they should have occurred according to Russell's cycle. But, furthermore, Mr. Russell states that great hurricanes, great frosts, and even the wet years and the fluctuations of the great lakes of the world, all fit into this cycle. Finally, he suggests that, as these statistics all point towards a lunar influence, he has therefore, examined this subject with the following results.

1. Great droughts of the first class occur in the years when the dates of eclipses accumulate near March 21 and September 21.

2. Droughts of the second class (of shorter duration; but more intense than those of the first class), together with gales and hurricanes, occur when the dates of eclipses accumulate in February or just before March 21 and in August or just before September 21.

3. Droughts that are less severe in intensity than those of the first class, but last much longer than those of the second class, occur when the dates of eclipses accumulate in April or just after March 21 and in October, or just after September 21.

Extract, August, 1896, Weather Review.

ATMOSPHERIC PRESSURE.

The mean monthly air pressure as deduced from the U. S. Weather Bureau Stations at Lynchburg, Norfolk and Washington D. C., was 30.14 inches; highest 30.74 inches, at Norfolk, Va., on the 1st; lowest 29.39 inches, at Washington D. C., on the 24th; range 1.35 inches.

TEMPERATURE. (DEG. F)

TIDEWATER VIRGINIA.—Highest monthly mean, 51.5, at Petersburg; lowest monthly mean, 48.0, at Warsaw; maximum temperature, 87, at Ashland, on the 21st; minimum temperature, 25, at Spottsville, and Warsaw, on the 29th and 17th respectively; greatest daily range, 40, at Ashland.

MIDDLE VIRGINIA.—Highest monthly mean, 51.8, at Maidens; lowest monthly mean, 44.0, at Leesburg; maximum temperature, 91, at Bon Air, on the 11th; minimum temperature, 11, at Quantico, on the 1st, greatest daily range, 60, at Bon Air.

THE GREAT VALLEY. — Highest monthly mean, 51.8, at Sword's Creek; lowest monthly mean, 41.9, at Monterey; maximum temperature, 83, at Woodstock, on the 22d; minimum temperature, 16, at Big Stone Gap, on the 27th; greatest daily range, 47, at Woodstock.

FOR THE STATE.—Average of the monthly mean temperatures, 48.2; average of the maximum temperatures, 76; average of the minimum temperatures, 25; average of the greatest daily range, 34.

While there were many days during March when the temperature was considerably deficient as compared with the normal, yet, on the whole, it averaged in excess to the extent of 3.9 degrees.

This average condition was very beneficial for crops and materially aided in farm work by drying the ground and enabling planting and plowing to be done.

All maximum and minimum temperatures observed were well within the record for the season. As a rule the highest readings occurred on the 21st and 22d, and the lowest on the 22d to 24th.

Early fruit blooms were in evidence towards the close of the month and trees and grass showed a decided tinge of green.

PRECIPITATION.

TIDEWATER VIRGINIA.—Greatest monthly precipitation, 6.97 inches, at Spottsville; least monthly, 3.74 inches, at Warsaw; greatest amount in any twenty-four consecutive hours 2.24 inches, at Spottsville, on the 5th and 6th.

MIDDLE VIRGINIA.—Greatest monthly precipitation, 5.88 inches, at Callaville; least monthly, 1.95 inch, at Warrenton, greatest amount in any twenty-four consecutive hours, 1.61 inches, at Callaville, on the 6th.

THE GREAT VALLEY.—Greatest monthly precipitation, 9.82 inches, at Big Stone Gap; least monthly, 1.70 inches, at Stephens City; greatest amount in any twenty-four consecutive hours, 2.60 inches, at Marion, on the 9th and 10th.

FOR THE STATE.—Average total precipitation, 4.04 inches.

The average total precipitation for the state. 4.04 inches, was 0.11 of an inch below normal for eleven years By sections, Tidewater Virginia was 0.73 of an inch in excess of the normal; Middle Virginia 0.98 of an inch deficient, and the Great Valley, 0.20 of an inch in excess. Good generous showers prevailed in all sections of the State. This was particularly the case with the lower portion of the Great Valley district, where monthly amounts ranging up to over 9 inches were recorded. Crop conditions in this section as affected by rainfall, were consequently retarded and farm work delayed.

Winter wheat and oats have made excellent progress, however, in this section.

Snow occurred in all portions of the state during the month, being heaviest in the Great Valley section.

The average number of days on which 0.01 of an inch or more of rain or snow fell, was 9 in Tidewater Virginia; 9 in Middle Virginia, and 12 in the Great Valley. Average for the State, 10.

WIND.—The prevailing direction of the wind in the different sections was as follows: Tidewater Virginia S. SW. NW.; Middle Virginia, SW.; the Great Valley, W. Prevailing direction for the State, SW.

WEATHER.—Tidewater Virginia, average number of clear days 8; partly cloudy, 8; cloudy, 15. Middle Virginia, average number of clear days, 13; partly cloudy, 8; cloudy, 10. The Great Valley, average number of clear days, 9; partly cloudy, 11; cloudy, 11. For the State, average number of clear days, 10; partly cloudy, 9; cloudy, 12.

NOTES AND COMMENTS.

A voluntary observer's station has been established at Warrenton, Va., and the first report therefrom is published in this number. The station is in the hands of Mr. J. T. Preston, of the Southern Railway.

On page 55 of the National Monthly Weather Review for February, 1897, will be found an excellent article under the caption of "Suggestions to observers." It defines the different classes of work done by the regular and voluntary observers, and also the special observers, and invites attention particularly to the importance of carefully recording the various phenomena attendant upon thunderstorms.

With a view to securing a uniform record of all thunderstorms occurring at or near their stations, we would like to have each voluntary observer of the Virginia section go over this article, and if possible make their record conform with it.

Climatological Data for March 1897.

Stations.	Counties.	Elevation, feet.	Length of record, years.	TEMPERATURE, IN DEGREES FAHRENHEIT. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	PRECIPITATION, IN INCHES. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	Number of rainy days.	SKY. Number clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction of wind.	Observers.
TIDEWATER VIRGINIA.																				
Ashland	Hanover	220	5	50.3	+3.9	87	21	26	29	40	4.56	+2.14	1.49	tr	11	1	18	12	s.	E. L. C. Scott.
Birdsnest (1)	Northampton	40	28	49.5	+5.1	78	20	30	17	....	4.95	—0.27	1.05	tr	7	7	9	15	nw.	C. R. Moore.
Cape Henry	Princess Anne	17	22	50.5	+5.3	80	20 22	33	1	31	4.01	—1.12	1.15	....	12	10	10	11	se.	U. S. Weather Bureau.
Doswell	Hanover	134	0	51.0	.....	75	23	31	17	33	4.10	.....	1.00	....	9	6	0	25	n.	C. W. Butterworth.
Hampton	Elizabeth City	3	9	51.1	+5.0	78	20	34	1	24	4.70	+1.97	1.54	....	9	1	10	20	sw.	C. L. Goodrich.
Norfolk	Norfolk	3	25	51.0	+4.0	80	22	32	1	29	4.38	—0.20	1.33	....	14	11	5	15	ne.	U. S. Weather Bureau.
Petersburg	Dinwiddie	11	9	51.5	+6.0	83	21	28	28 29	37	5.71	+1.12	1.35	tr	9	7	9	15	sw.	Prof. Jas. M. Colson.
Richmond (near)	Henrico	96	21	48.6	+0.7	78	20 21	30	28	36	.....	.....	.....	....	8	13	3	15	nw.	Capt. J. C. Shafer.
Spottsville	Surry		7	50.0	+7.1	79	22	25	29	37	6.97	+2.77	2.24	tr	10	11	2	18	sw	B. W. Jones.
Sunbeam	Southampton		2	48.0	+2.3	77	22	28	1	31	5.67	+1.44	1.34	....	9	10	6	15	s.	Dr. W. H. Daughtry.
Warsaw	Richmond	200	3	48.5	+3.4	81	22	25	17	34	3.74	+1.21	1.10	....	6	3	21	7	s.	C. H. Constable.
Williamsburg	James City	160	9	.....	.....	70	20	33	17 26 29	....	.....	.....	.....	.....	....	18	5	8	nw.	L. S. Williams.
MIDDLE VIRGINIA.																				
Alexandria	Alexandria	35	37	46.0	+4.2	78	22	27	16	35	2.58	+1.16	.93	tr	12	6	19	6	se.	H. C. Slaymaker
Barboursville	Orange		0	46.6	.....	80	22	21	1	35	2.71	.....	.65	2.0	13	13	12	6	sw.	Dr. Thos. H. Ellis.
Bedford City	Bedford	900	6	47.8	+2.0	79	21	25	26 28	41	3.10	+0.58	1.00	tr	6	11	10	10	e.	J. T. Davidson.
Bon Air	Chesterfield	130	2	51.5	+3.5	91	11	27	28	60	5.00	+1.63	1.29	....	10	9	6	16	sw.	Wm. H. Pleasants.
Buckingham	Buckingham		3	48.5	+4.3	81	21 22	20	26	52	3.56	—0.14	.75	tr	11	11	7	13	sw.	Dr. W. E. Pratt.
Callaville	Brunswick	570	2	50.4	+4.5	79	20	26	1	33	5.88	+1.56	1.61	....	10	9	18	4	s.	F. M. Gage.
Charlottesville	Albemarle		9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. A. H. Tuttle.
Farmville	Prince Edward			46.6	.....	70	3 22	25	1 29	39	4.20	.....	1.10	tr	9	16	5	10	sw.	Jno. R. Martin.
Fredericksburg	Spottsylvania	47	1	47.5	+2.7	84	22	25	1	39	3.02	+0.11	.99	....	11	20	0	11	se	E. C. Rowe.
Gordonsville	Orange		0	45.4	.....	70	22	28	29	30	.....	.....	.....	.....	.....	17	0	14	s.	H. S. Smithers.
Guinea(m) ‡	Caroline	100	0	46.0	+12.4	73	10	25	29	39	1.05	—1.69	.65	....	3	8	4	8	sw.	M. A. Nunn.
Leesburg	Loudoun			44.0	.....	71	22	22	27	36	2.34	.....	.54	0.2	12	18	4	9	e.	C. A. English
Lynchburg	Campbell	525	17	50.0	+4.6	79	21	30	29	32	3.46	—0.21	.82	....	14	6	12	13	sw.	U. S. Weather Bureau.
Maidens	Goochland	185	1	51.8	+4.1	78	21 22	30	8	26	2.50	.....	.86	tr	7	12	13	6	e.	J. R. Hopkins.
Manassas	Prince William	317	2	47.0	+7.0	82	22	15	1	40	2.99	—1.26	.78	....	9	16	7	8	se.	Thos. H. Lion.
Quantico	Prince William		7	46.0	.....	82	22	11	1	50	.....	.....	.....	....	5	19	5	7	nw.	E. V. King.
Rocky Mount	Franklin	33	0	51.7	+5.1	78	21	30	27 to 29	32	3.51	—1.82	.80	tr	8	6	17	8	.....	J. H. Binford.
Smithville	Charlotte	1150	2	49.8	+6.4	75	22	29	28	27	3.56	—0.21	1.50	....	5	20	0	11	.....	W. G. Williams.
Stanardsville	Greene	560	2	46.0	+2.0	82	22	23	1	37	2.51	+0.82	.56	....	10	....	....	....	.....	W. N. Parrott.
Warrenton	Fauquier		6	47.6	.....	78	22	30	1	24	1.95	.....	.42	0.5	8	19	2	10	.....	J. T. Preston.
THE GREAT VALLEY.																				
Big Stone Gap	Wise	1966	6	48.4	+6.2	79	21	16	28	41	9.82	+3.96	1.72	....	16	5	10	16	.....	John W. Fox. Sr.
Blacksburg	Montgomery	2100	7	45.8	+3.7	75	22	21	25	36	3.87	+1.15	.90	1.1	15	6	10	15	sw.	Prof. W. B. Alwood.
Bristol	Sullivan, Tenn	1676	2	50.4	+9.3	73	21	19	27	35	8.16	+2.23	2.10	tr	11	16	6	9	.....	J. Bunting, Jr.
Burke's Garden ‡	Tazewell		0	42.8	+7.6	69	21	20	28	38	5.55	—0.91	1.06	1.0	10	11	4	15	w.	Rev. E. H. Kohn.
Christiansburg	Montgomery	2160	9	49.6	.....	.....	.....	.....	.....	.....	3.62	+0.10	.73	0.1	13	14	3	14	w.	H. D. Walters.
Clifton Forge	Allegheny	1047	2	47.2	.....	82	22	21	1	42	3.35	.....	.80	0.8	9	11	5	15	nw.	T. P. Hallorun.
Dale Enterprise	Rockingham	1350	10	45.2	+4.5	80	22	20	7	39	2.40	—0.88	.71	3.5	12	8	16	7	s.	L. J. Heatwole.
Goshen	Rockbridge	1590	1	51.6	+14.7	80	22	24	1	28	2.40	+1.00	1.00	4.0	3	21	0	10	w.	J. B. Wood.
Graham's Forge	Wythe		3	49.1	+8.7	79	23	21	29	40	3.81	—1.67	1.16	0.8	12	3	22	6	sw.	David Graham.
Hot Springs	Bath	2195	4	43.6	+2.3	70	22	24	24 25	34	2.89	+0.10	.56	1.0	10	6	19	6	.....	W. B. Davis.
Lexington	Rockbridge	946	23	47.8	+4.9	79	22	24	29	38	3.44	+0.28	.82	2.0	16	5	18	8	s.	Prof. H. C. Campbell.
Marion (1)	Smyth	2124	8	48.2	+7.2	74	22	22	29	40	7.76	+2.41	2.60	3.0	11	3	9	16	.....	A. T. Lincoln.
Monterey	Highland	3008	2	41.9	+7.3	74	22	22	26 to 29	34	3.82	+0.60	.80	0.6	11	8	11	12	w.	Jos. Jones.
Salem	Roanoke	1200	6	50.6	+4.0	79	21	30	28 29	34	3.73	+0.83	.85	1.0	15	.....	.....	.....	.....	Prof. S. C. Wells.
Saltville	Smyth	1739	2	49.0	+6.6	76	21	22	28	37	7.13	—0.58	2.20	....	13	.....	.....	.....	.....	C. M. Perry.
Stanleyton	Page	1064	0	46.8	.....	81	22	25	1	35	2.11	.....	.61	....	12	10	14	7	s.	A. K. Grim.
Staunton	Augusta	1380	6	47.4	+5.0	80	22	25	27 29	40	2.56	—1.74	.76	1.4	12	4	22	5	ne.	W. C. Hedrick.
Stephens City	Frederick		4	45.5	+4.0	77	21 22	24	1	38	1.70	—0.24	.49	0.8	5	18	10	3	w.	W. B. Steele.
Sword's Creek	Russell		0	51.8	.....	80	20	21	29	42	5.77	.....	1.30	....	8	12	5	14	.....	J. H. Steele.
Woodstock	Shenandoah	927	0	46.4	.....	83	22	25	26 28 31	47	1.81	.....	.50	tr	13	8	18	5	w.	H. F. Miley.
Wytheville	Wythe	2370	25	46.6	+3.3	74	21	25	28	33	4.69	+2.91	.96	1.0	16	9	7	15	w.	Dr. P. B. Green.

† Estimated. ‡ Incomplete. tr. trace, or less than 0.01 of an inch. (1) Means from 7 am, 2 and 9 + 9 pm, observations.

Note— Estimated and incomplete data not considered in means,

MISCELLANEOUS PHENOMENA.

Fogs: Quantico, 19, 20, 21; Wytheville, 6, 9, 14, 19, 31; Woodstock, 19,20,23; Staunton, 19; Fredericksburg, 19,20,21;

Gales: Wytheville, 5, 19, 20, 24, 25, 26, 27; Marion, 5; Clifton Forge, 14, 24; Fredericksburg, 22, 24, 25, 28; Barboursville, 24; Ashland, 24, 25.

Hail: Warrenton, 24; Graham's Forge, 5, 15; Hampton, 13; Manassas, 6; Alexandria, 5, 6, 13; Stanardsville, 14; Monterey, 24; Sword's Creek, 6.

Halos, Lunar: Staunton, 22; Salem, 10.

Halos, Solar: Spottsville, 1, 4, 11, 21.

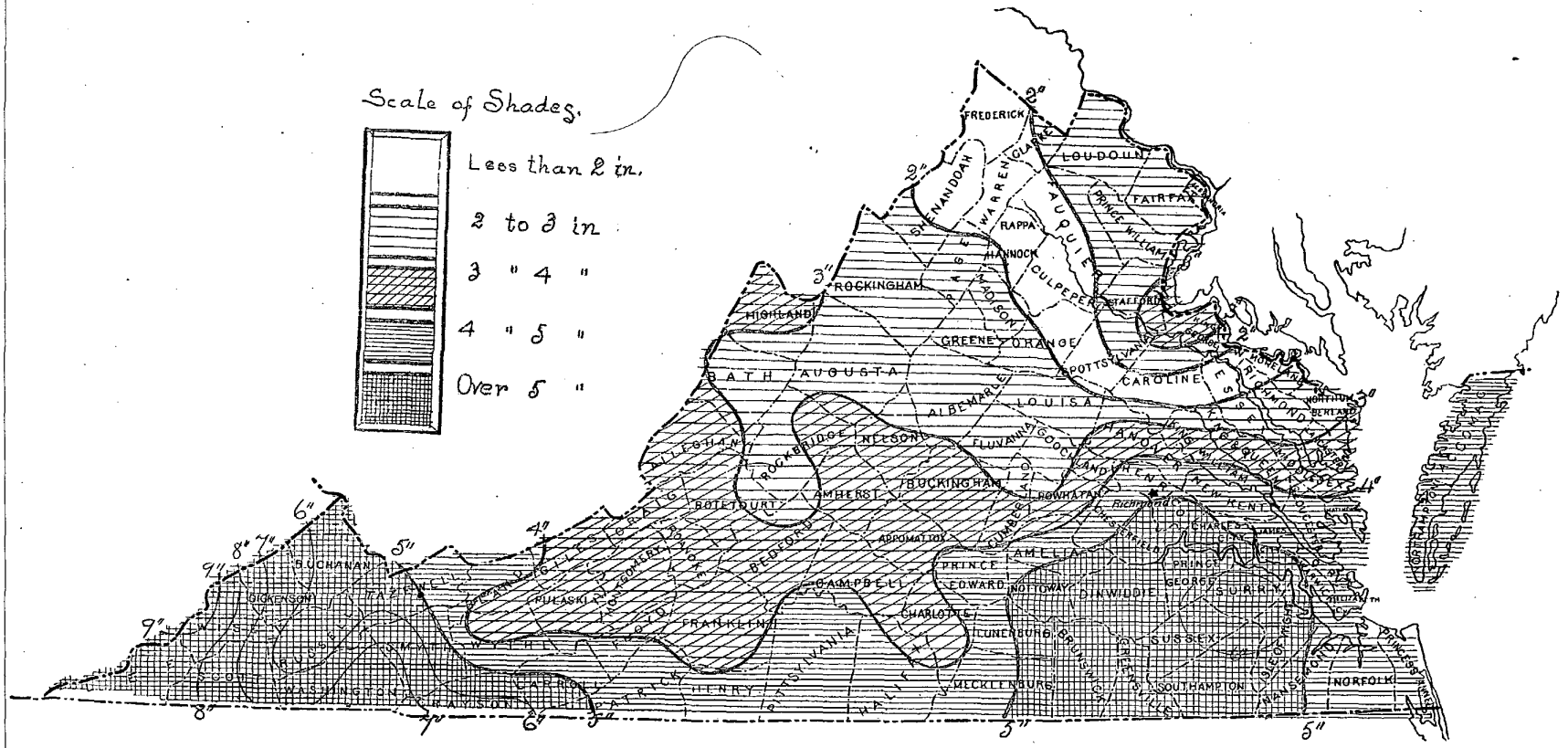
Thunder storms: Warrenton, 24; Graham's Forge, 9, 14; Dale Enterprise, 6, 24; Callaville, 5; Hampton, 12, 17; Wytheville, 22; Woodstock, 23; Stanleyton, 24; Blacksburg, 21; Gordonsville, 23; Fredericksburg, 23; Barboursville, 23; Petersburg, 5, Monterey, 24; Sword's Creek, 11; Stephens City, 24.

Lightning Distant: Graham's Forge, 23; Burke's Garden, 23; Wytheville, 23; Woodstock, 5, 20, 23; Blacksburg, 23; Barboursville, 5; Doswell, 10; Sword's Creek, 23.

Daily Maximum and Mininum temperatures for March, 1897.

Stations.	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		Monthly Mean.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
TIDEWATER VA.																																																																
Ashland	51	28	68	41	73	52	57	35	50	36	59	44	44	34	51	34	54	35	76	50	60	31	64	39	54	40	56	37	55	35	55	39	51	28	54	40	63	47	83	52	87	53	82	50	75	57	64	44	53	35	51	30	50	29	57	30	76	26	76	42	62	45	61.3	39.3
Cape Henry	44	33	66	40	75	51	70	40	66	35	67	43	45	38	42	38	47	38	71	45	56	42	62	44	58	41	53	40	52	42	45	38	43	36	48	36	72	45	80	55	74	45	80	51	72	54	68	53	55	40	52	37	48	38	48	37	53	34	67	40	62	43	59.4	41.6
Doswell	52	32	67	49	69	60	50	39	42	40	60	59	43	33	47	34	57	45	55	37	62	35	63	45	60	39	60	37	60	39	55	35	53	31	55	43	55	50	58	50	70	43	71	55	75	61	61	55	51	41	51	40	50	31	50	40	65	37	70	49	70	50	58.9	43.0
Hampton	46	34	64	44	69	52	50	40	59	39	64	48	42	40	43	38	55	38	71	51	53	41	60	46	49	42	54	42	50	42	48	43	46	35	52	42	70	48	78	58	76	50	76	54	68	60	61	58	55	42	52	35	52	38	53	36	60	36	68	48	55	50	58.0	44.2
Norfolk	50	32	69	43	73	56	61	36	66	34	67	43	43	38	44	36	57	38	72	48	57	42	62	44	56	42	55	39	50	40	49	35	49	34	54	39	75	48	80	61	78	50	80	54	70	61	66	45	56	39	50	34	50	38	49	36	61	35	69	46	58	41	60.5	42.2
Petersburg	55	30	69	44	71	54	67	36	65	38	65	54	59	35	45	32	52	40	75	50	67	32	67	40	59	39	55	32	55	34	52	34	52	29	55	40	69	50	80	57	83	56	80	52	73	48	66	49	56	38	55	30	50	30	55	28	65	28	75	44	60	43	62.9	40.1
Richmond (near)	50	34	60	40	65	42	50	35	50	35	55	36	40	34	45	32	50	34	70	40	65	33	65	40	60	40	60	36	55	35	55	36	52	30	55	40	65	40	78	42	78	52	75	51	73	50	60	45	55	37	51	31	52	31	50	30	55	29	70	40	68	50	59.1	38.1
Spottsville	52	26	66	42	73	55	51	37	65	30	66	49	40	37	43	35	53	39	70	51	55	32	56	43	50	42	53	39	51	37	49	39	50	28	54	39	70	47	78	58	78	53	79	54	72	57	65	46	55	37	53	28	52	30	53	26	62	25	71	44	62	48	59.6	40.4
Sunbeam	48	28	60	48	66	56	46	41	65	34	55	55	39	39	42	35	54	36	66	53	42	39	56	42	44	44	44	43	48	47	44	41	47	36	53	31	59	50	72	60	72	58	77	54	66	60	65	50	48	38	37	30	43	34	40	31	53	29	58	43	45	44	53.4	42.9
Warsaw	47	27	65	39	69	51	62	35	49	34	60	45	44	34	42	32	54	37	70	47	58	28	61	39	57	36	55	35	55	35	48	38	52	25	50	38	59	44	77	48	75	45	81	47	73	55	65	47	51	45	49	29	50	36	49	35	59	27	69	38	57	41	58.5	38.5
Williamsburg	35	35	58	48	58	58	38	38	45	42	65	58	40	38	55	55	40	40	50	48	39	39	43	43	50	45	50	50	46	40	52	42	33	33	43	43	52	52	70	64	54	54	60	47	62	62	65	58	43	43	37	33	44	41	35	35	35	33	50	50	66	55	....	....
MIDDLE VA.																																																																
Alexandria	46	31	65	41	67	34	46	34	53	39	54	32	42	29	46	32	51	40	66	31	62	33	61	35	49	35	56	35	59	35	48	27	53	31	49	41	51	45	72	46	71	46	78	53	71	45	58	35	49	28	47	28	48	30	50	28	57	36	68	43	60	35	56.2	35.9
Barboursville	45	21	65	31	68	33	57	33	58	35	58	34	46	32	46	31	49	31	71	39	57	31	65	40	55	35	56	33	50	34	48	35	46	28	53	35	52	42	76	44	75	50	80	47	70	50	61	50	48	37	49	30	47	27	51	31	59	27	67	36	58	44	57.6	35.7
Bedford City	55	30	68	35	72	32	68	33	50	30	61	31	54	28	45	34	50	34	70	29	53	30	69	35	60	30	64	34	60	36	61	30	54	32	61	37	65	50	78	45	79	46	75	47	65	42	64	30	48	28	51	25	47	26	59	25	64	41	65	43	70	32	61.5	47.8
Bon Air	58	29	71	42	74	45	56	35	58	33	60	40	44	33	55	31	56	35	78	49	91	31	68	39	55	40	61	35	56	33	55	39	54	28	57	40	67	40	82	58	86	50	84	50	76	55	62	53	58	35	55	28	57	30	57	27	69	30	75	40	61	43	64.4	38.6
Buckingham	54	31	67	45	70	32	54	33	56	36	61	32	41	32	51	33	51	40	74	28	57	31	68	39	55	33	66	33	56	34	56	28	51	34	51	39	65	53	79	54	81	50	81	55	74	50	80	36	54	28	54	20	49	27	55	23	64	24	74	25	62	34	61.6	35.8
Callaville	53	26	66	44	69	55	53	39	59	35	64	55	39	35	46	33	55	38	72	48	57	32	62	40	51	43	52	36	52	38	53	42	52	29	57	41	73	52	79	59	78	57	77	54	72	53	60	53	55	37	53	29	48	34	52	29	61	28	69	41	58	46	59.6	41.3
Charlottesville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Farmville	50	25	60	30	70	31	65	35	50	37	55	38	60	33	58	30	60	45	55	30	60	38	55	35	58	34	60	33	58	35	52	40	50	33	56	35	65	45	60	55	62	45	70	48	69	55	50	48	47	32	50	28	48	28	40	30	50	25	55	30	59	47	56.6	36.6
Fredericksburg	49	25	69	36	70	48	52	35	50	34	57	43	45	33	47	33	51	35	78	45	64	29	65	40	53	35	60	35	55	34	54	35	50	27	49	41	52	46	79	48	80	50	84	45	72	51	62	44	53	34	53	29	53	26	54	30	64	26	72	35	62	45	59.8	37.2
Gordonsville	53	40	55	50	50	43	47	34	43	37	40	35	45	33	52	38	45	38	50	40	47	45	60	40	45	40	50	43	50	41	47	37	45	37	53	43	55	50	55	53	65	58	70	58	65	55	50	42	40	35	40	30	40	32	40	30	58	28	60	43	40	33	50.2	40.7
Guinea	58	27	64	33	69	49	43	33	47	34	51	31	53	33	49	32	54	30	73	34	60	30	64	40	60	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	30	55	29	62	25	60	36	62	40	58.5	33.4
Leesburg	41	33	61	31	60	30	42	33	48	28	51	35	42	26	44	24	47	34	67	40	58	26	62	39	44	32	52	33	44	32	45	27	49	23	47	41	66	42	69	44	67	44	71	41	68	49	64	45	44	33	42	30	48	22	61	30	63	24	66	30	58	41	54.5	33.6
Lynchburg	52	30	67	40	72	50	54	38	54	36	60	40	40	34	47	32	50	42	72	48	53	35	69	41	56	44	63	34	52	50	56	40	48	35	60	41	65	52	79	59	79	56	78	49	72	55	61	39	49	34	50	34	46	30	54	32	62	30	62	37	62	42	59.5	40.3
Maidens	52	32	68	47	69	56	55	37	40	37	54	51	42	33	45	30	52	40	74	48	53	40	66	41	50	38	51	41	54	39	52	41	49	45	58	43	65	52	75	62	78	65	78	60	72	58	60	55	53	48	54	44	51	32	52	42	65	42	65	55	56	48	58.3	45.2
Manassas	52	15	66	41	67	53	45	42	54	34	55	47	42	29	45	33	57	35	70	48	61	29	65	38	55	33	56	32	50	34	42	33	49	25	48	40	51	44	76	45	74	48	82	42	60	53	56	47	51	34	50	30	50	25	55	32	59	26	69	34	60	42	57.0	37.0
Quantico	45	11	54	33	63	43	46	37	39	35	56	37	46	33	45	31	46	32	57	39	76	26	74	37	56	36	58	34	69	30	59	32	49	23	50	32	50	41	77	45	76	46	82	40	79	46	59	46	49	32	50	30	49	22	48	32	63	23	68	31	66	32	58.2	33.8
Rocky Mount	54	34	66	40	70	50	66	39	57	39	60	50	56	35	44	34	66	40	68	45	60	37	67	40	65	45	59	37	60	40	62	40	58	37	55	40	65	50	74	58	78	56	75	55	72	60	65	45	49	33	50	31	48	30	58	30	62	30	58	45	64	50	61.6	41.8
Smithville	50	30	64	45	66	53	62	37	47	38	60	44	45	32	47	30	49	37	67	48	54	36	60	41	56	42	54	34	58	38	56	34	56	36	56	36	65	52	72	55	73	55	75	56	72	58	66	43	53	36	50	30	46	33	52	29	60	33	64	46	60	50	58.6	40.9
Stanardsville	44	23	65	34	68	43	51	29	42	32	57	38	43	30	43	27	48	34	72	38	58	30	67	37	51	34	59	30	50	30	51	32	47	26	53	37	54	41	78	41	76	53	82	49	70	51	54	39	46	32	49	30	48	26	52	28	61	28	69	37	62	47	57.0	35.0
Warrenton	48	30	62	38	67	52	44	36	42	36	46	38	42	32	43	32	51	42	68	52	58	40	61	39	46	35	52	34	50	36	46	37	40	33	48	41	50	45	73	48	70	50	78	53	76	60	58	58	47	38	47	33	48	32	49	34	58	35	64	42	58	47	54.5	40.6
GREAT VALLEY.																																																																
Big Stone Gap	59	28	66	29	67	44	63	26	69	47	57	39	61	36	68	35	54	46	63	37	52	28	64	42	61	29	60	37	48	29	64	28	61	39	60	50	66	50	75	52	79	39	70	47	70	49	45	30	44	27	50	26	43	23	57	16	63	23	58	40	75	44	61.0	35.9
Blacksburg	52	31	63	32	63	38	54	30	63	37	63	42	45	35	43	31	49	34	65	40	52	27	65	37	52	30	50	30	46	30	59	37	45	31	59	40	67	49	72	48	74	44	75	46	64	52	56	31	40	21	45	28	36	25	50	25	58	22	56	42	67	47	56.0	35.0
Bristol	48	32	65	40	63	29	72	52	65	43	64	43	60	35	65	45	57	44	63	35	53	41	60	35	60	38	56	34	47	35	60	40	61	45	57	52	71	46	72	46	73	54	72	55	68	36	57	27	56	27	54	28	45	19	64	29	68	42	57	43	72	47	61.4	39.3
Burke's Garden	48	31	56	36	54	42	56	24	66	32	56	50	43	36	56	32	50	35	56	46	42	27	55	33	49	27	41	31	42	30	55	33	44	36	54	40	60	52	60	50	69	31	68	61	60	51	32	32	33	24	38	23	27	22	49	20	55	22	54	31	..	..	51.0	34.6
Clifton Forge	50	21	62	36	70	42	61	32	50	49	62	42	48	31	41	36	49	31	68	41	47	28	61	32	55	32	58	33	45	35	58	33	59	30	60	36	63	43	76	54	79	40	82	40	71	50	56	44	43	34	46	33	41	27	56	30	62	24	67	32	68	44	58.5	36.0
Dale Enterprise	45	22	64	34	67	44	53	26	54	32	50	35	42	20	47	28	58	38	69	47	57	25	67	35	52	29	56	28	50	26	52	28	51	23	68	34	65	44	76	45	77	44	80	44	70	47	45	35	44	29	45	25	44	22	50	28	61	22	68	34	58	43	57.6	32.8
Goshen	48	24	54	41	56	34	60	32	61	38	59	42	54	32	48	42	60	40	62	46	61	50	64	41	54	44	54	47	54	39	58	40	64	40	65	48	71	50	70	65	79	60	80	56	65	65	52	52	47	46	47	42	48	35	50	37	45	42	58	55	67	67	58.3	44.9
Graham's Forge	52	28	63	33	64	42	61	29	72	41	60	50	37	36	..	..	50	38	76	44	48	29	62	47	64	36	59	33	56	32	62	34	49	37	57	39	67	52	78	54	77	43	77	54	79	51	51	34	54	30	51	30	42	25	51	26	61	21	55	39	73	49	60.3	37.9
Hot Springs	42	32	60	37	59	25	50	35	59	43	50	28	33	30	46	30	50	37	55	54	43	36	48	39	50	42	60	48	41	27	53	28	42	33	54	38	57	52	68	38	68	44	70	47	57	35	35	24	33	24	38	27	45	36	50	38	54	38	59	41	60	29	51.2	36.0
Lexington	50	31	66	36	68	41	57	30	52	39	59	43	43	32	45	33	49	36	69	40	52	28	65	40	56	36	57	34	50	35	58	33	46	30	61	40	62	51	76	55	76	46	79	45	70	54	56	39	50	34	49	31	44	27	54	27	62	24	65	41	65	42	58.4	37.2
Marion	55	29	63	33	60	38	61	29	71	45	62	52	..	..	58	34	51	39	60	48	52	32	56	38	55	33	..	..	50	34	50	30	56	40	58	42	66	52	70	52	..	..	74	44	65	55	64	34	40	30	46	26	..	..	..	..	62	22	53	43	..	..	58.3	38.2
Monterey	42	30	54	40	50	40	50	26	54	38	54	34	36	26	48	30	44	36	50	34	44	24	56	42	50	24	44	30	40	26	50	26	46	32	56	34	56	44	66	52	68	44	74	58	60	46	36	30	32	24	34	22	34	22	42	22	56	22	64	50	60	40	50.0	33.8
Salem	52	33	68	37	70	45	65	36	50	37	61	48	54	35	42	33	49	36	70	46	54	35	68	40	60	38	62	34	51	38	60	42	51	35	60	40	65	52	78	56	79	52	78	50	70	57	65	42	51	34	50	33	45	32	58	30	64	30	65	44	69	54	60.8	40.5
Saltville	60	30	65	31	64	38	64	27	72	42	61	47	54	42	68	37	51	45	61	45	50	32	59	41	57	32	58	37	48	31	64	38	54	42	57	47	64	53	72	54	76	54	70	50	..	..	..	..	41	31	47	30	41	26	57	22	65	28	54	43	72	46	59.4	38.7
Stanleyton	45	25	64	30	65	48	49	29	62	32	62	42	43	28	49	32	56	33	72	40	59	29	66	40	56	33	56	32	49	29	49	35	52	28	70	40	54	44	76	44	73	50	81	48	70	50	62	47	52	34	46	30	48	26	50	30	61	27	70	35	58	42	58.3	35.3
Staunton	51	27	66	40	68	48	55	29	54	38	58	42	42	28	46	30	50	38	70	46	54	28	68	40	57	33	53	31	48	32	55	31	47	27	66	38	67	53	76	58	78	46	80	46	70	52	54	40	43	33	50	28	45	25	54	28	65	25	68	44	63	47	58.7	37.1
Stephens City	44	24	66	36	68	37	53	29	55	34	55	29	46	27	47	27	50	35	69	37	61	32	70	39	50	30	55	32	48	31	49	30	50	31	47	33	57	40	76	44	77	49	77	46	68	49	57	33	42	20	45	27	45	25	50	30	65	27	72	35	63	37	57.3	33.7
Sword's Creek	61	34	68	38	70	52	72	34	70	56	59	55	65	42	69	31	58	50	34	24	53	50	73	50	59	34	57	43	46	32	68	38	60	47	60	55	64	59	80	55	78	45	70	59	68	53	63	38	45	31	60	31	46	28	50	22	63	21	59	45	69	45	62.0	42.0
Woodstock	49	28	67	36	68	30	57	30	55	39	53	30	51	29	47	30	55	39	74	28	61	28	72	31	54	33	60	32	54	32	55	26	48	26	64	41	50	45	77	42	76	44	83	43	70	45	56	34	47	31	50	25	52	27	53	25	62	32	61	36	72	25	60.0	33.0
Wytheville	52	30	63	32	59	41	59	29	70	42	60	49	38	36	49	34	50	38	60	42	46	30	58	37	53	34	56	33	46	31	58	37	49	36	57	39	64	52	69	53	74	48	72	52	64	53	39	33	39	29	45	28	35	27	52	25	59	26	55	42	70	48	55.5	37.6

TOTAL PRECIPITATION FOR MARCH, 1897.



Daily Precipitation for March, 1897.

Stations.	Day of Month.																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TIDEWATER VIRGINIA.																																
Ashland	....	....	....	....	.08	.70	.20	....	tr	.01	tr	.86	....	.57	....	....	....	1.49	.32	.23	....	....	.05	.05	....	....	tr	....	....	....	....	4.56
Birdsnest	....	....	....	....	tr	.75	.30	....	....	tr	....	1.05	....	.85	....	....	....	.70	1.00	.30	....	....	....	....	....	....	....	tr	....	....	....	4.95
Cape Henry	....	....	....	....	tr	.72	.27	....	.01	.05	....	1.15	tr	.75	....	.08	....	.63	.25	....	....	.04	.03	.03	....	....	....	....	....	....	....	4.01
Doswell †	....	....	....	....	....	....	.50	....	....	....	....	1.00	....	.80	....	....	....	1.00	....	.80	....	....	....	....	....	....	....	....	....	....	....	4.10
Hampton	....	....	tr	....	tr	.83	.31	....	tr	.03	....	1.54	....	.64	....	.03	....	.87	.44	....	....	....	tr	tr	....	....	....	....	....	....	.01	4.70
Norfolk	....	....	....	....	.02	.64	.22	....	....	.11	tr	1.33	tr	.76	....	.20	....	.81	.14	.01	....	.03	.02	.01	....	....	....	....	....	....	.08	4.38
Petersburg	....	....	....	....	.05	.84	.42	....	tr	.02	....	1.31	....	.99	....	....	....	1.35	.70	tr	....	tr	tr	....	....	....	tr	....	....	....	.03	5.71
Spottsville	....	....	tr	....	1.00	1.24	.17	....	tr	.02	....	1.70	....	1.20	....	....	.36	.81	.40	....	....	tr	tr	tr	....	....	tr	....	....	....	.07	6.97
Sunbeam	....	....	....	....	tr	1.34	.52	....	....	.25	....	1.23	....	.80	....	.36	....	.76	.11	....	....	tr	tr	....	....	....	....	....	....	....	.30	5.67
Warsaw	....	....	....	....	....	....	.88	tr	tr	tr	....	.64	....	.65	....	....	....	1.10	....	.36	....	....	tr	.11	....	....	....	....	....	....	....	3.74
MIDDLE VIRGINIA.																																
Alexandria	....	....	.03	....	.06	.24	....	....	.07	tr	.12	.02	.49	....	....	....	.93	.04	.47	.03	....	....	.08	....	....	tr	....	....	....	....	....	2.58
Barboursville	....	....	.02	....	.10	.15	....	....	.15	....	.01	.26	....	.65	....	....	.10	.42	.37	.15	....	....	.22	....	....	....	.12	....	....	tr	....	2.71
Bedford City	....	....	.50	....	....	....	....	....	.50	....	....	1.00	....	....	.50	....	.20	....	.40	....	....	....	....	....	....	....	....	....	....	....	....	3.10
Bon Air	....	....	....	....	tr	.39	.98	.01	....	.02	tr	.61	.29	.71	....	....	....	1.29	.27	.43	....	....	....	tr	....	....	....	tr	....	....	....	5.00
Buckingham	....	....	tr	....	tr	.39	.49	.05	tr	.15	....	.75	.16	.66	....	....	.40	.27	.14	....	....	....	.10	....	....	....	tr	....	....	....	....	3.56
Callaville	....	....	....	....	1.61	.65	....	....	.04	.05	....	1.41	....	.96	....	....	.05	.85	.24	....	....	....	....	tr	....	....	....	....	....	.02	....	5.88
Charlottesville	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Farmville	....	....	....	....	....	.20	1.00	....	20	....	1.10	....	....	....	....	....	1.10	....	.10	.20	....	....	....	.10	....	....	tr	....	....	....	.20	4.20
Fredericksburg	....	....	.02	....	.07	.15	....	....	.07	.02	....	.31	....	.54	....	....	....	.99	.28	.33	....	....	tr	.24	....	....	....	....	....	....	....	3.02
Guinea (m)	....	....	....	....	.30	....	....	....	.10	....	....	.65	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.05
Leesburg ‡	.01	....	.06	....	.12	.03	....	....	.12	.14	.18	....	....	.54	....	....	.32	.38	.26	.18	....	....	....	....	....	....	....	....	....	....	....	2.34
Lynchburg	....	....	.06	....	.10	.40	.06	....	.13	.22	tr	.82	....	.74	....	....	.26	.10	.34	.01	tr	....	.07	.15	....	....	tr	....	....	tr	tr	3.46
Maidens	....	....	....	....	.12	.25	.52	....	.03	....	.86	....	....	.62	....	....	tr	....	....	....	....	....	.10	....	....	....	tr	....	....	....	....	2.50
Manassas	....	....	tr	....	....	.41	....	.25	tr	....	....	.24	....	.51	....	....	....	.78	.46	.05	.14	....	tr	.15	....	....	....	....	....	....	....	2.99
Rocky Mount	....	....	tr	....	.12	.45	.42	....	.45	.35	tr	.62	....	.80	....	tr	tr	tr	.30	....	....	....	tr	tr	....	....	tr	....	....	tr	tr	3.51
Smithville	....	....	....	....	tr	.65	.26	....	.15	....	....	....	....	....	....	....	....	1.00	1.50	....	....	....	....	....	....	....	....	....	....	....	....	3.56
Stanardsville	....	....	tr	....	.15	.44	....	....	.18	.03	....	.20	....	.56	....	....	....	.37	.38	....	....	....	tr	.10	....	....	.10	....	....	....	....	2.51
Warrenton	....	....	.02	....	....	.20	....	....	....	....	....	.30	....	.40	....	....	....	.42	.30	....	....	.06	....	.25	....	....	....	....	....	....	....	1.95
THE GREAT VALLEY.	1	2	3	4	5	6	7																								
Big Stone Gap	....	....	.84	....	.80	.40	....	.03	1.72	.88	.06	.54	....	1.50	.15	....	....	.60	1.62	.15	....	.07	....	.11	....	....	....	....	....	.35	....	9.82
Blacksburg	....	....	.11	....	....	.17	.09	....	.67	.21	.04	.67	....	.90	....	....	.02	....	.47	....	.12	....	....	.06	....	....	.05	....	....	.05	....	3.87
Bristol	....	.35	.12	....	.10	....	....	.55	2.10	....	2.13	....	1.05	....	.28	....	.24	.92	tr	....	....	....	.32	tr	....	....	....	....	....	....	....	8.16
Burke's Garden	....	....	.25	....	.73	....	13	....	1.06	.56	....	.88	....	.93	....	....	....	.16	.75	....	....	....	....	....	....	....	.12	....	....	....	....	5.55
Christiansburg	....	....	....	.08	....	.58	.15	....	.22	.53	....	.63	....	.73	....	.02	....	....	.49	.05	....	....	....	.07	.06	....	.01	....	....	....	....	3.62
Clifton Forge	....	....	.05	....	....	.45	....	....	.20	....	....	....	.80	....	.75	....	.45	....	.40	....	....	....	.20	tr	....	....	.05	....	....	....	....	3.35
Dale Enterprise	....	....	.03	....	.01	.23	....	....	.29	....	....	.07	....	.71	....	....	.06	.20	.35	....	....	....	.23	.10	....	....	.12	....	....	....	....	2.40
Goshen †	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.00	....	....	....	1.00	....	....	....	.40	....	....	....	....	2.40
Graham's Forge	....	....	.04	....	.15	.58	tr	....	1.16	tr	.07	.51	....	.58	.12	....	....	.04	.28	....	tr	tr	tr	....	....	....	.08	....	....	.20	....	3.81
Hot Springs	....	....	.10	....	.10	.26	....	....	....	....	tr	.45	....	.56	....	....	.52	....	.30	....	tr	....	.30	.20	....	....	.10	....	....	tr	....	2.89
Lexington	....	....	.04	....	.11	.13	.08	....	.15	....	tr	.65	....	.82	....	....	.31	.11	.47	.04	tr	.01	.28	.08	....	....	.15	....	....	.01	....	3.40
Marion	....	....	.35	....	.14	.57	....	....	1.50	1.10	....	85	....	....	....	1.20	tr	....	1.10	....	....	tr	....	tr	.10	....	.20	....	....	.65	....	7.76
Monterey	....	....	.24	....	.15	.18	tr	....	.20	....	....	.10	....	.80	....	....	tr	.60	.80	....	....	....	.15	.30	tr	tr	.30	....	....	....	....	3.82
Salem	....	....	.11	....	.07	.35	.06	tr	.58	.26	....	.64	....	.85	....	....	.13	.08	.36	....	.06	....	....	.07	....	....	.10	....	....	.01	....	3.73
Saltville	....	....	.36	....	.38	.23	....	....	2.20	....	.10	.67	....	.95	.16	....	....	1.34	....	....	....	.25	....	....	....	....	....	....	....	.49	....	7.13
Stanleyton	....	....	.02	....	.08	.30	.01	....	.14	tr	tr	.10	....	.61	....	....	tr	.30	.35	.05	....	.03	tr	.12	....	....	....	....	....	....	....	2.11
Staunton	....	....	.06	....	.03	.40	....	tr	.13	tr	tr	.23	....	.76	....	....	.28	.06	.27	....	....	tr	.14	06	....	....	.14	....	....	....	....	2.56
Stephens City	....	....	.17	....	....	.15	....	....	.30	....	tr	....	....	.49	....	....	....	.33	.26	tr	....	tr	tr	tr	....	....	....	....	....	....	....	1.70
Sword's Creek	....	....	....	....	.78	tr	....	....	1.30	.50	....	.58	....	.90	....	....	.12	....	1.14	....	....	....	.13	....	....	....	....	....	....	....	....	5.77
Woodstock	....	.09	....	.17	.03	.09	....	.05	.04	....	.17	....	.50	....	....	....	.22	.09	.20	tr	....	.03	....	tr	tr	....	....	....	....	....	....	1.81
Wytheville	....	....	.02	....	.39	.02	.11	....	.96	.55	.07	.52	....	.94	.07	....	....	.15	.28	....	....	.13	....	.10	....	....	.02	....	....	.26	....	4.69

† Rainfall estimated. ‡ Incomplete. tr. Trace, or less than .01 of an inch.