

CLIMATOLOGICAL DATA

38

VIRGINIA SECTION

F. N. HIBBARD

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RICHMOND, VA., YEAR 1937

No. 13

GENERAL SUMMARY

For the State as a whole, the weather of 1937 was about normal in temperature and greatly above normal in precipitation. The average departure in the former was -0.1° ; and in the latter, $+11.24$ inches.

In temperature, average values for the year varied from an excess of 0.3° in Tidewater to a deficiency of 0.2° in Great Valley. For the various months, departures ranged from an excess of 8.9° in January to a deficiency of 3.7° in September. The January average of 45.5° was next to the highest of record, being exceeded only by that of 1932. February, June and August also were warmer than usual but not greatly so. Temperatures of the remaining months were normal or below. March, September and October were unusually cool, averages for March being lower only 12 times, September only four times, and October only five times in the 47 years of record. Station averages ranged from 60.3° at Norfolk on the coast to 46.9° at Mountain Lake in the higher mountain section of the western edge of the State.

The year was the wettest of record. In precipitation, all three sections recorded greater than normal amounts. Average excesses ranged from about six inches in Great Valley to about 15 inches in Middle Virginia. By stations, precipitation ranged from a deficiency of 2.81 inches at Clinchport to an excess of 27.46 inches at Charlottesville; or in actual amounts, from a total of 35.05 inches at Radford to 72.07 inches at Charlottesville. Less than normal precipitation was recorded at only five points, and these were limited to Great Valley section; the remainder of the State recorded more than usual rainfall. At 20 stations all previous records were broken. Twelve of these have records of 30 years or more; four have not less than 40 years of record; and the Charlottesville figures cover more than 60 years of record. By months rainfall ranged from an excess of 4.67 inches in January to a deficiency of 2.18 inches in March. Amounts in January and October were the greatest ever recorded in those months, and April and August were the third wettest of record. December was an unusually dry month and ranked next to the driest of record, and March has been drier only twice in the last 47 years. By stations the range was from the least monthly amount of .20 inch in December on Skyline Drive to 14.05 inches in October at Pinnacles, on the southern Blue-ridge Drive. The number of rainy days during the year was the greatest of record. January was not only the wettest and nearly the warmest of record, but also had the greatest number of rainy days, the greatest number of cloudy days, the least number of clear days, and the least amount of snow of record.

Weather conditions during the year were generally favorable for crop production. During the warm weather of January and February vegetation was abnormally advanced and some premature swelling of fruit tree buds was reported. Some frost damage occurred to early spinach and strawberries in March. Tobacco planting was delayed because of damage to plants from blue mold. Weather conditions were favorable during the latter part of July and the early part of August, and the tobacco crop made rapid improvement. Frequent rains during August and September damaged the flue-cured and fire-cured crops considerably and reduced the quantity and quality of the crop harvested

after September 1st. The planting of corn was well under way in April and was beginning to tassel in July. During the wet weather of August some bacterial patches appeared in the corn, but the damage was slight. General weather conditions were good to excellent for the planting, growth and harvest of potatoes, sweet potatoes, truck, wheat, oats, cotton and peanuts. Late haying however, was difficult. Spraying of trees in commercial orchards was done in February. By the end of March peaches, pears and plums were in bloom, and in April apple blooms were beginning to open in southwestern sections. The fruit crop as a whole averaged good to excellent, although some dropping of apples occurred during frequent heavy rains.

Storm damage amounted to less than usual, but nevertheless was heavy in certain sections of the State. Wind damage to barges in the Norfolk area in February approximated \$36,000, and to a dairy barn in Hanover county, \$2,000. Hail damage amounted to \$6,000 in May, \$8,000 in July, and \$100,000 in August, this heavy latter occurring in south-central counties.

Thunderstorm damage was limited principally to June and July, approximating in the former month, \$8,500, and in the latter month, \$5,500. April flood damage in the James cost approximately \$57,000, and in the Rappahannock, \$300,000; and heavy rains and floods entailed a loss in October in the James basin of \$5,000, in the New river, \$8,000, in the Dan and Roanoke basins, \$30,000, and in State highways, \$400,000.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Mean temperature	Highest	Lowest	Average precipitation	Average snow-fall	No. of rainy days	No. of clear days	No. of partly cloudy days	No. of cloudy days
NORMALS OR EXTREMES.....	55.8	109	-29	41.86	17.1	104	162	102	101
1891.....	55.6	106	-8	47.94	.....	95	163	101	102
1892.....	54.6	106	-8	39.45	.....	95	163	101	102
1893.....	54.7	104	-26	46.22	23.1	103	156	100	109
1894.....	56.8	106	-11	35.76	17.0	88	166	104	95
1895.....	54.4	107	-18	38.23	38.8	94	174	103	88
1896.....	55.6	105	-10	42.64	12.3	93	163	106	97
1897.....	56.0	103	-15	39.19	11.8	92	171	99	95
1898.....	55.6	105	-9	44.71	8.7	108	162	101	102
1899.....	55.4	106	-29	42.20	36.7	98	176	95	94
1900.....	57.1	107	-8	39.52	18.6	86	181	91	93
1901.....	54.5	106	-14	49.99	9.5	100	167	94	104
1902.....	55.6	108	-0	40.67	14.9	95	170	97	98
1903.....	54.9	105	-13	44.09	8.4	95	172	89	104
1904.....	53.7	100	-14	36.11	24.9	95	170	91	95
1905.....	54.9	98	-15	42.27	18.5	111	155	112	98
1906.....	56.2	102	-2	50.03	15.2	124	143	120	102
1907.....	54.5	97	-16	44.41	17.4	115	159	115	91
1908.....	55.5	102	-20	46.17	30.0	110	162	108	96
1909.....	55.6	102	-5	38.02	12.9	101	171	104	90
1910.....	54.8	102	-9	41.37	20.3	112	151	116	98
1911.....	56.8	104	0	41.00	9.2	115	149	110	106
1912.....	54.9	100	-25	40.88	24.6	103	165	106	95
1913.....	57.2	102	-3	42.33	4.0	100	178	98	89
1914.....	55.1	103	-17	36.66	39.8	101	168	100	97
1915.....	55.6	101	-5	40.03	13.5	97	160	116	89
1916.....	55.6	102	-11	38.94	18.6	103	165	106	95
1917.....	53.3	103	-27	40.11	23.7	114	158	107	100
1918.....	55.5	108	-22	43.48	24.7	105	159	97	109
1919.....	56.8	103	-16	41.65	7.4	102	161	99	105
1920.....	54.8	99	-9	45.91	7.1	106	162	89	115
1921.....	58.4	104	-12	34.94	13.8	97	161	102	102
1922.....	56.9	100	-13	45.15	24.8	110	145	107	113
1923.....	56.1	103	-1	40.90	10.3	104	168	96	101
1924.....	54.4	107	-12	47.34	12.8	105	165	90	111
1925.....	56.6	103	-14	32.53	9.5	98	160	99	106
1926.....	55.5	107	-6	41.41	16.5	112	157	97	111
1927.....	56.5	104	-7	41.64	10.4	113	148	103	114
1928.....	55.7	103	-5	43.07	9.2	110	151	112	108
1929.....	56.2	99	-8	46.31	16.7	115	155	97	113
1930.....	56.9	109	-13	24.99	23.4	86	165	99	101
1931.....	57.8	104	-2	38.00	3.7	105	163	106	96
1932.....	57.5	108	-9	44.68	13.1	102	169	90	107
1933.....	57.6	104	-7	39.46	8.2	105	163	101	101
1934.....	56.2	107	-16	45.73	21.6	113	157	104	104
1935.....	55.4	101	-16	46.68	21.9	119	150	103	112
1936.....	56.0	109	-17	45.30	25.1	108	169	95	102
1937.....	55.7	102	-3	53.20	14.7	126	155	99	111

Climatological Data for the Year 1937

Stations	Counties	Elevation, feet	Temperature, degrees Fahrenheit						Precipitation						Number of rainy days	Sky			Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month		Total snowfall	Number of clear days	Number of partly cloudy days		Number of cloudy days
Tidewater Virginia																				
Cape Henry	Princess Anne	16	64	59.3	95	July 16	23	Feb. 26	64	45.37	5.88	Jan.	1.58	May	6.8	130	124	107	134	sw.
Cheriton	Northampton	11	1	58.8	98	July 17	15	Mar. 1	1	49.70	8.63	Jan.	1.93	Dec.	9.0	100	224	21	120	nw.
Christ Church	Middlesex	107	13	58.1	96	July 16	13	Mar. 1	14	55.26	8.75	Jan.	1.26	Dec.	10.6	125	147	115	103	e.
Dahlgren	King George	18	18	57.1	95	July 9†	19	Feb. 26	18	51.77	8.78	Jan.	0.85	Dec.	11.0	148	86	99	180	n.
Diamond Springs††	Princess Anne	25	29	60.0	96	July 16†	14	Mar. 1	29	60.34	11.07	Jan.	2.47	Oct.	7.1	92	165	145	55	ne.
Emporia	Greensville	80	5	58.7	98	July 9	15	Dec. 11	5	53.17	10.42	Aug.	1.61	Dec.	10.2	113	208	64	93	w.
Holland	Nansemond	40	46	58.6	98	July 16	8	Mar. 1	50	51.00	9.45	Jan.	0.85	Dec.	5.1	112	83	164	118	sw.
Hopewell	Prince George	9	53	58.9	97	July 10†	11	Mar. 1	101	53.13	10.48	Jan.	1.65	Dec.	9.4	141	114	112	189	sw.
Langley Field	Elizabeth City	11	67	60.3	98	July 16	22	Feb. 26	67	59.70	8.46	Jan.	1.87	Dec.	9.9	132	102	103	160	sw.
Norfolk	Norfolk	40	19	57.9	98	July 16	15	Mar. 1	20	55.09	9.30	Aug.	2.33	Mar.	18.0	128	127	138	100	sw.
Onley	Accomac	182	58	58.0	97	July 16	16	Mar. 1	66	55.98	10.08	Jan.	0.90	Dec.	6.3	137	125	105	135	sw.
Richmond	Henrico	25	7	57.2	101	July 16	12	Dec. 12	7	50.78	8.31	Jan.	1.50	Dec.	8.5	130	165	126	74	ne.
Tappahannock	Essex	35	5	57.2	99	July 10†	12	Mar. 1†	12	56.53	8.55	Jan.	2.11	May	10.8	124	201	80	84	sw.
Walkerton	King and Queen	25	43	59.3	98	July 10	15	Mar. 1	37	59.11	9.14	Jan.	1.64	Dec.	11.5	130	194	64	107	sw.
Wallaceton	Norfolk	70	43	59.3	98	July 10	15	Mar. 1	37	59.11	9.14	Jan.	1.64	Dec.	11.5	130	194	64	107	sw.
Williamsburg	James City	70	43	59.3	98	July 10	15	Mar. 1	37	59.11	9.14	Jan.	1.64	Dec.	11.5	130	194	64	107	sw.
Means and extremes				58.5	101	July 16	8	Mar. 1		54.18	11.07	Jan.	0.85	Dec.	9.4	123	156	97	112	sw.
Middle Virginia																				
Bedford	Bedford	950	43	58.1	98	July 10	2	Mar. 1	24	59.99	10.47	Oct.	1.32	Dec.	13.0	148	148	126	91	sw.
Callaville	Brunswick	250	43	58.1	98	July 10	2	Mar. 1	24	59.99	10.47	Oct.	1.32	Dec.	13.0	148	148	126	91	sw.
Charlottesville (near)	Albemarle	854	45	56.2	95	July 9†	15	Dec. 12	62	72.07	12.10	Apr.	0.94	Dec.	12.5	138	142	105	118	n.
Chatham	Pittsylvania	852	15	57.0	99	July 10†	8	Mar. 1	16	56.34	9.59	Jan.	1.00	Dec.	10.1	133	234	7	124	s.
Clarendon	Arlington	225				July 10†	13	Mar. 1	13	55.37	8.61	Oct.	0.77	Dec.	19.0	124	181	64	120	s.
Clarksville	Mecklenburg	286	19	57.4	101	July 16†	7	Dec. 12	47	55.01	11.97	Aug.	1.05	May	5.7	122	183	47	135	sw.
Columbia	Fluvanna	220	37	56.8	99	July 9†	7	Dec. 12	40	58.42	10.19	Apr.	0.66	Dec.	14.0	124	256	31	78	s.
Culpeper	Culpeper	475	30	56.5	100	July 9†	9	Dec. 12	31	57.35	10.07	Apr.	0.61	Dec.	6.1	140	122	101	142	w.
Danville	Pittsylvania	564	22	58.6	101	July 10	10	Mar. 1†	47	53.18	9.91	Jan.	1.36	Dec.	5.5	127	146	87	132	sw.
Farmville	Prince Edward	450	16	57.2	97	July 9†	8	Dec. 12	18	61.95	10.39	Jan.	0.27	Dec.	18.2	134	146	132	87	s.
Fredericksburg (near)	Spotsylvania	75	44	56.4	97	July 9	10	Dec. 11†	46	53.11	8.03	June	0.25	Dec.	7.5	125	156	107	102	w.
Halifax	Halifax	425				July 16	5	Mar. 1	7	54.58	10.07	Jan.	1.09	Mar.	7.5	125	156	107	102	w.
Kenbridge	Lunenburg	500	6	57.1	97	July 16	5	Mar. 1	6	54.06	11.99	Jan.	1.48	Dec.	14.0	107	182	75	108	sw.
Lincoln	Loudoun	500	36	56.1	102	Aug. 21	14	Dec. 12	37	57.61	11.26	Oct.	0.64	Dec.	18.1	105	185	76	104	s.
Lynchburg	Campbell	631	66	57.3	98	July 9	13	Dec. 12	66	51.73	8.49	Jan.	1.06	Dec.	10.2	136	120	123	122	nw.
Manassas (near)	Prince William	176				July 9	21	Dec. 12	21	48.21	7.41	Aug.	0.53	Dec.	14.7	133	169	77	119	nw.
Martinsville	Henry	1,014				July 9	6	Dec. 12	7	64.25	10.90	Oct.	1.37	Mar.	11.3	142	159	135	71	sw.
Mineral (near)	Louisiana	250	22	55.5	96	July 9†	6	Dec. 12	22	56.45	10.68	Apr.	0.96	Dec.	12.5	119	157	93	115	s.
Mount Weather	Loudoun	1,725	33	51.0	89	Sept. 3	8	Dec. 12	34	47.92	9.96	Oct.	0.78	Mar.	17.5	108	57	124	184	w.
New Canton	Buckingham	300	42	56.5	95	July 16	7	Dec. 11	41	60.77	11.20	Apr.	0.89	Dec.	13.5	114	152	122	91	sw.
Orange	Orange	514				July 16	31	Dec. 11	31	60.31	10.55	Apr.	0.52	Dec.	12.7	100	215	75	75	sw.
Pinnacles	Patrick	2,820				July 16	14	Dec. 12	4	65.98	14.05	Oct.	1.61	Mar.	19.5	128	185	68	112	nw.
Powhatan	Powhatan	390	32	56.1	97	July 9	14	Dec. 12	15	54.84	10.11	Jan.	0.84	Dec.	9.2	116	215	66	84	nw.
Quantico	Prince William	22	37	56.1	97	July 9	14	Dec. 12	33	42.49	7.89	Jan.	0.41	Mar.	9.5	133	98	185	132	nw.
Randolph	Charlotte	334				July 9	33	Dec. 12	33	58.81	11.03	Aug.	1.09	Dec.	8.6	131	146	83	136	nw.
Rocky Mount	Franklin	1,132	41	56.4	95	July 17	44	Dec. 12	44	58.74	11.25	Oct.	1.21	Mar.	12.1	131	146	83	136	sw.
Stuart	Patrick	1,500	15	56.2	94	July 16	15	Dec. 12	15	65.91	12.11	Aug.	1.30	Mar.	18.7	135	108	133	124	nw.
Washington, D. C.		72	67	56.4	97	Aug. 20	17	Dec. 12	67	54.29	8.81	Oct.	0.71	Dec.	18.7	135	108	133	124	nw.
Means and extremes				56.4	102	Aug. 21	2	Mar. 1		57.07	14.05	Oct.	0.25	Dec.	12.6	125	162	91	112	sw.
The Great Valley																				
Afton	Nelson	1,750				Aug. 19	1	Feb. 26	3	63.20	10.67	Oct.	0.38	Dec.	106					
Balcony Falls	Rockbridge	725				Aug. 19	1	Feb. 26	3	58.26	9.53	Oct.	0.84	Mar.						w.
Berryville	Clarke	561				Aug. 19	1	Feb. 26	3	49.64	9.39	Oct.	0.65	Dec.						w.
Big Meadows	Madison	3,500	3	47.9	83	Aug. 19	1	Feb. 26	3	65.12	13.65	Apr.	0.20	Dec.	30.2	122	76	154	135	nw.
Blacksburg	Montgomery	2,100	46	53.2	90	Aug. 21	8	Mar. 1	46	48.75	10.02	Aug.	1.02	Mar.	9.7	138	154	86	125	sw.
Buchanan	Botetourt	875	20	56.1	97	July 9	5	Mar. 1	37	54.61	9.43	Aug.	1.12	Dec.	10.5	138	137	144	84	w.
Burkes Garden	Tazewell	3,250	41	49.4	87	Aug. 5†	2	Dec. 11	43	46.35	9.25	Oct.	1.30	May	28.8	127	178	87	100	w.
Catawba Sanatorium	Roanoke	2,100	27	54.1	92	July 10	11	Dec. 7	27	52.67	10.93	Aug.	1.17	Mar.	13.1	127	186	103	76	nw.
Clifton Forge	Alleghany	1,055				July 10	14	Dec. 7	14	45.36	9.07	Aug.	1.37	Mar.	20.2	116	194	56	115	w.
Clinchport	Scott	1,300				July 10	40	Dec. 7	40	46.39	9.47	Jan.	1.18	Nov.	10.5					
Dale Enterprise	Rockingham	1,350	56	53.4	93	Aug. 19†	7	Dec. 12	58	45.04	7.23	Oct.	0.81	Dec.	17.5	130	184	108	73	s.
Dante	Russell	2,000	20	53.5	91	May 30†	2	Dec. 11	21	53.53	9.11	Jan.	1.59	Nov.	27.5	153	116	110	139	sw.
Deerfield	Augusta	1,600				Aug. 26	3	Dec. 11	11	43.94	8.20	Oct.	1.25	Dec.		120	95	183	87	w.
Emory	Washington	2,112	32	54.2	94	Aug. 26	3	Dec. 11	13	53.13	8.91	Oct.	1.07	Nov.	19.0	170	223	171	71	w.
Floyd	Floyd	2,600	5	51.8	92	July 10	5	Dec. 7	5	51.50	10.94	Oct.	0.94	Mar.	17.1	122	247	23	89	w.
Glen Lyn	Giles	1,524	6	53.6	92	May 28†	8	Mar. 1†	24	41.14	7.89	Oct.	0.84	May	11.6	139	134	40	191	sw.
Hot Springs	Bath	2,195	44	50.2	90	May 30	5	Dec. 10	46	44.89	9.49	Aug.	1.22	Dec.	22.4	129	144	110	111	sw.
Ivanhoe	Wythe	2,100				July 16	31	Dec. 12	31	41.66	9.68	Oct.	0.88	Mar.		93				

Monthly and Annual Precipitation for the Year 1937 with Departures from the Normal

	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
Stations	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Tidewater																										
Cape Henry	5.88	+2.73	3.03	-0.20	3.23	-0.64	5.34	+2.04	1.58	-1.99	3.67	-0.29	3.49	-1.88	4.51	-0.35	3.94	+1.08	4.51	+1.50	4.40	+2.04	1.79	-1.65	45.37	+2.39
Cheriton	8.63	2.41	2.99	1.82	2.99	1.82	5.37	3.07	3.07	3.07	3.52	6.73	6.73	4.12	2.96	3.79	4.18	2.96	3.79	4.18	2.96	1.93	49.70	11.00	53.17	11.00
Christchurch	8.75	+4.98	2.31	-0.89	1.85	-1.51	6.81	+2.67	3.42	-0.31	3.71	-0.34	6.27	+1.89	8.73	+4.37	3.42	-0.44	3.92	+0.52	4.81	+2.77	1.26	-2.13	55.26	+11.58
Dahlgren	8.78	+5.93	3.02	+0.53	1.49	-1.86	6.11	+2.70	3.14	+0.01	4.13	+0.26	4.69	+0.45	6.35	+1.21	1.75	-0.94	7.90	+5.51	3.56	+1.61	0.85	-2.24	51.77	+13.17
Diamond Springs	11.07	+7.53	2.81	-0.53	3.03	-0.59	4.43	+1.16	2.90	-1.25	4.16	-0.95	8.08	+2.54	7.05	+2.77	5.74	+2.03	2.47	-0.47	6.13	+3.77	2.47	-1.68	60.34	+14.33
Emporia	7.84	2.95	2.95	1.82	1.82	5.70	2.15	2.15	2.15	2.15	5.16	3.32	3.32	10.42	7.60	4.12	2.02	5.85	2.03	6.20	2.13	1.61	-0.53	53.17	11.00	
Holland	8.63	3.35	3.35	3.28	3.28	5.18	2.40	2.40	2.40	2.40	5.06	3.22	3.22	7.60	4.12	3.81	2.02	5.85	2.03	6.20	2.13	1.61	-0.53	53.17	11.00	
Hopewell	9.45	+6.47	1.69	-1.32	1.40	-2.50	5.42	+2.02	3.78	+0.11	6.30	+1.48	5.43	+1.16	7.69	+3.01	1.50	-1.89	4.98	+2.32	2.46	+0.34	0.85	-2.67	51.00	+8.53
Langley Field	10.48	+7.51	2.34	-1.00	2.59	-0.98	6.15	+3.17	3.20	-0.19	2.39	-1.88	6.68	+1.60	4.03	-0.50	4.88	+2.11	3.58	+1.08	5.16	+3.03	1.65	-1.40	53.13	+12.55
Norfolk	8.46	+6.36	2.53	-0.69	3.08	-0.69	6.44	+3.21	3.35	-0.46	7.49	+3.27	6.68	+1.60	4.03	-0.50	4.47	+1.24	3.98	+0.94	5.57	+3.41	1.87	-1.47	59.70	+15.61
Onley	7.74	+4.71	3.39	-0.27	3.31	-1.64	6.99	+3.73	2.72	-0.50	4.08	+0.74	4.34	+0.06	9.30	+4.24	2.99	-0.12	4.33	+1.03	4.54	+2.38	2.34	-1.34	55.09	+13.02
Richmond	10.08	+6.87	2.42	-0.75	1.66	-2.02	6.02	+2.53	1.64	-2.15	6.02	+2.53	1.64	-2.15	6.02	+2.53	2.61	-0.64	6.34	+3.46	2.44	+0.23	0.90	-2.89	55.99	+13.96
Tappahannock	8.31	2.77	2.77	2.09	2.09	4.96	3.95	3.95	3.95	3.95	3.75	4.95	4.95	5.11	5.11	4.64	2.02	5.10	2.02	5.10	2.02	3.65	1.50	50.78	11.00	
Walkerton	9.47	2.80	2.80	2.10	2.10	6.73	3.29	3.29	3.29	3.29	6.03	5.24	5.24	4.87	4.87	3.59	2.06	5.07	2.06	5.07	2.06	3.85	0.98	54.62	11.00	
Wallacetown (near)	8.55	+5.42	3.87	-0.19	2.30	-2.07	7.62	+3.04	2.11	-1.79	5.26	+0.36	6.72	-0.66	3.85	-1.51	3.17	-2.06	4.98	+1.92	5.87	+2.59	2.22	-2.22	56.58	+2.83
Williamsburg	9.14	+5.82	2.70	-0.80	2.61	-1.59	6.53	+2.81	3.84	+0.26	4.07	-0.70	7.77	+2.05	8.11	+2.97	2.36	-0.78	4.21	+1.18	6.23	+4.12	1.64	-2.02	59.11	+13.27
Means	8.83	+5.76	2.78	-0.56	2.36	-1.46	5.99	+2.64	2.91	-0.75	4.71	+0.37	5.63	+0.77	6.77	+2.11	3.47	-0.04	4.67	+1.72	4.43	+2.39	1.63	-1.93	54.18	+11.02
Middle Virginia																										
Bedford	7.91	+4.84	3.05	-0.05	1.53	-1.99	4.90	+1.89	2.28	-0.92	5.62	+1.37	7.37	+3.62	10.32	+6.28	2.25	-0.89	10.47	+7.11	2.97	+0.59	1.92	-2.35	59.99	+19.50
Callaway	9.17	+5.62	3.39	-0.09	1.82	-2.56	7.23	+3.49	2.37	-1.61	6.07	+1.80	6.15	+0.82	8.29	+3.20	5.10	+1.53	4.80	+1.66	2.28	-0.01	1.66	-1.85	58.33	+12.00
Charlottesville (near)	8.54	+5.19	3.55	+0.75	1.42	-2.05	10.12	+8.58	3.20	-0.76	6.94	+1.65	7.14	+2.81	10.88	+7.20	3.81	+0.59	10.57	+7.94	2.98	+0.52	0.94	-2.52	72.07	+27.46
Chatham	9.59	+6.11	2.76	-0.42	1.56	-2.19	4.62	+1.27	3.31	-0.49	4.43	+1.08	7.38	+3.15	6.77	+2.62	4.08	+0.68	8.61	+5.69	1.83	-0.70	1.00	-2.47	56.34	+14.29
Clarendon	7.84	+4.91	3.24	+0.64	1.57	-1.26	5.63	+1.85	4.35	+0.87	5.95	+2.34	3.44	-0.09	7.93	+2.68	2.36	-0.65	8.61	+4.70	3.70	+0.95	0.77	-1.71	55.37	+15.23
Clarksville	9.19	+6.90	3.30	-0.07	1.53	-2.13	7.52	+4.12	1.05	-2.82	6.08	+1.85	7.33	+3.47	11.97	+7.34	2.42	-0.66	5.22	+2.41	1.75	-0.46	1.25	-2.25	55.01	+12.76
Columbia	9.41	+6.06	2.39	-0.35	1.67	-1.92	10.19	+6.72	3.78	+0.14	3.53	-0.41	8.52	+4.26	5.78	+1.25	3.41	+0.44	6.98	+3.69	2.12	-0.21	0.66	-2.49	58.42	+17.18
Culpeper	6.42	+3.43	3.00	+0.60	1.08	-1.82	10.07	+6.71	4.47	+0.45	5.51	+0.84	6.62	+0.20	6.54	+1.74	5.11	+1.87	7.24	+4.08	3.38	+0.89	0.61	-2.51	57.35	+16.08
Danville	9.91	+6.54	2.77	-0.42	1.51	-2.21	4.65	+1.27	3.04	-0.54	4.01	-0.63	4.90	+0.71	9.75	+5.31	2.19	-0.92	7.47	+4.55	1.62	-0.61	1.36	-2.22	53.18	+11.43
Farmville	10.39	+7.55	3.27	+0.52	1.38	-2.68	7.75	+4.70	4.72	+0.85	7.62	+3.04	6.05	+1.86	8.73	+4.70	2.51	-0.22	7.17	+3.89	2.09	-0.25	0.27	-2.89	61.95	+21.07
Fredericksburg (near)	7.98	+4.64	2.52	-0.20	1.16	-2.42	5.65	+2.15	4.73	+0.99	8.03	+3.82	4.81	+0.45	4.28	-0.70	2.97	-0.19	7.40	+4.19	3.33	+1.22	0.25	-2.89	53.11	+11.06
Halifax	10.07	2.95	2.95	1.92	1.92	8.79	1.54	1.54	1.54	1.54	6.65	6.65	6.65	6.65	7.83	7.83	2.78	0.19	7.32	0.19	1.40	0.19	1.48	54.06	11.00	
Kenbridge	11.99	2.98	2.98	1.92	1.92	8.79	1.54	1.54	1.54	1.54	6.65	6.65	6.65	6.65	7.83	7.83	2.78	0.19	7.32	0.19	1.40	0.19	1.48	54.06	11.00	
Lincoln	5.86	+2.86	4.70	+2.09	2.20	-0.88	5.96	+2.65	1.67	-1.93	7.91	+3.18	3.51	+0.07	9.31	+5.05	1.93	-0.71	11.26	+8.25	2.66	+0.31	0.64	-2.10	57.61	+18.84
Lynchburg	8.49	+5.06	2.82	-0.33	1.63	-1.91	5.07	+2.12	2.93	-0.70	6.24	+2.45	5.97	+1.76	4.89	+1.11	2.61	-0.70	7.91	+4.76	2.14	-0.19	1.03	-2.23	51.73	+11.20
Manassas (near)	7.19	+4.07	2.99	-0.10	1.01	-2.05	5.32	+2.27	3.52	-1.12	6.45	+2.85	2.46	-1.35	7.41	+2.49	1.75	-0.83	6.89	+3.88	2.69	+0.32	0.53	-2.35	45.71	+9.58
Martinsville	10.03	3.17	3.17	1.37	1.37	4.34	2.84	2.84	2.84	2.84	5.09	9.27	9.27	9.27	9.92	9.92	2.44	0.90	10.90	3.12	1.76	0.90	1.76	64.25	11.00	
Mineral (near)	9.07	+5.95	2.62	-0.02	1.02	-2.36	10.68	+7.54	3.72	-0.10	5.03	+0.89	4.29	-0.11	5.10	+0.60	4.82	+1.75	6.08	+2.80	3.06	+0.80	0.96	-2.12	56.45	+15.62
Mount Weather	5.83	+2.93	2.64	+0.14	0.78	-2.15	7.41	+3.85	1.56	-2.28	4.46	+0.24	3.33	-0.47	7.26	+2.74	1.43	-1.45	9.96	+6.09	2.14	-0.36	1.12	-1.64	47.92	+7.26
New Canton	9.70	+6.15	2.67	-0.08	1.87	-1.96	11.20	+7.88	2.91	-0.51	5.04	+1.31	7.34	+3.45	5.86	+0.93	2.94	-0.09	7.96	+4.78	2.19	-0.16	0.89	-2.41	60.77	+19.29
Orange	7.35	+4.32	3.19	+0.59	1.42	-1.77	10.55	+7.21	2.98	-0.68	4.98	+4.72	4.55	-0.05	6.01	+1.39	4.11	+0.85	7.20	+4.12	2.95	+0.51	0.52	-2.69	60.31	+18.62
Pinnacles	9.82	3.95	3.95	1.61	1.61	5.06	4.66	4.66	4.66	4.66	3.19	3.19	3.19	3.19	11.52	11.52	2.75	1.05	14.05	3.78	2.59	1.05	2.59	65.98	11.00	
Powhatan	10.11	+7.18	2.88	+0.54	1.53	-1.42	6.03	+2.27	2.35	-0.95	3.13	+0.12	7.02	+3.33	8.63	+4.22	3.77	+0.76	7.26	+4.61	1.35	-0.79	0.74	-2.15	54.84	+17.72
Quantico	7.89	+4.81	2.62	-0.48	0.41	-2.91	4.04	+0.79	4.37	+1.24	4.36	+0.54	4.86	+0.89	3.86	-0.78	1.61	-1.39	5.31	+2.35	0.31	+0.91	0.79	-2.04	42.49	+8.93
Randolph	9.78	+6.22	3.45	+0.05	1.59	-2.07	7.02	+3.90	1.66	-2.06	5.38	+1.64	6.40	+0.30	11.03	+6.64	4.59	+1.83								

Monthly and Annual Mean Temperatures for the Year 1937 with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Tidewater																										
Cape Henry	51.9	+11.7	41.5	+0.3	45.2	-1.4	55.6	+1.0	65.4	+1.2	75.1	+2.2	78.2	+0.7	78.3	+1.4	69.6	-2.2	60.0	-2.1	49.9	-2.2	41.1	-2.6	59.3	+0.6
Cheriton	49.7	.....	41.6	.....	45.2	.....	56.7	.....	65.8	.....	76.0	.....	78.2	.....	78.2	.....	67.2	.....	57.7	.....	49.2	.....	40.2	.....	58.8	.....
Christchurch	48.2	+7.1	40.4	-2.2	44.4	-2.2	56.0	+0.4	65.4	+0.8	75.2	+1.7	76.8	-1.0	77.6	+1.2	67.2	-5.0	58.5	-1.3	48.6	-2.3	39.0	-3.3	58.1	-0.5
Dahlgren	44.6	+8.3	37.6	-0.9	42.6	-2.8	54.8	+0.7	66.1	+3.6	75.4	+3.0	77.0	+0.3	77.6	+3.2	67.0	-3.1	56.2	-1.6	47.6	+0.3	38.5	-0.3	57.1	+0.9
Diamond Springs	53.4	+10.1	43.2	-0.5	46.8	-3.0	57.8	0.0	65.7	-0.1	76.2	+2.5	78.1	+0.5	77.6	+1.0	68.4	-4.0	58.9	-3.8	51.3	-0.9	42.2	-2.1	60.0	0.0
Holland	52.2	.....	41.4	.....	45.6	.....	57.4	.....	65.6	.....	75.8	.....	77.6	.....	77.4	.....	66.7	.....	57.7	.....	47.4	.....	40.0	.....	58.7	.....
Hopewell	49.0	+9.1	42.3	+1.5	45.6	-3.4	58.2	+0.9	67.2	-0.4	76.6	+1.3	77.4	-1.3	77.7	+0.5	66.8	-5.3	57.0	-2.9	46.3	-3.2	39.4	-1.5	58.6	-0.4
Langley Field	50.6	+9.7	40.2	-0.8	44.6	-3.1	56.3	+0.2	66.2	+0.5	76.3	+2.1	78.2	-0.2	78.8	+1.4	68.6	-3.8	58.1	-3.4	48.6	-1.7	40.0	-2.2	58.9	-0.1
Norfolk	51.8	+11.2	41.8	-0.9	46.5	-1.7	57.0	+0.2	67.6	+1.4	76.8	+2.4	79.4	+0.7	79.6	+2.2	69.9	-1.7	59.6	-2.9	51.2	-0.2	42.1	-1.0	60.3	+0.8
Onley	49.2	+10.0	40.0	-0.7	43.6	-2.0	55.2	+0.8	65.0	+1.8	75.2	+2.5	77.5	-0.3	78.0	+2.4	66.6	-4.3	57.0	-3.4	47.9	-2.7	39.4	-2.4	57.9	+0.2
Richmond	46.4	+8.5	39.3	-0.3	44.7	-2.5	56.4	-0.2	66.8	+0.3	76.4	+2.3	77.0	-1.5	77.6	+1.1	66.8	-3.7	56.4	-3.2	47.8	-0.5	40.0	+0.2	58.0	+0.1
Tappahannock	47.6	.....	39.0	.....	43.0	.....	54.6	.....	64.6	.....	76.0	.....	77.2	.....	78.1	.....	66.5	.....	56.2	.....	44.8	.....	36.8	.....	57.2	.....
Walkerton	46.4	.....	39.6	.....	42.5	.....	55.8	.....	64.6	.....	76.4	.....	77.2	.....	77.9	.....	66.0	.....	55.6	.....	46.8	.....	38.2	.....	57.2	.....
Williamsburg	49.4	+9.0	41.3	+0.2	46.0	-2.5	57.6	+0.6	66.9	+1.7	76.8	+4.0	78.0	+1.0	78.6	+2.9	68.2	-1.7	58.3	-1.9	48.8	-0.2	41.2	0.0	59.3	+1.1
Means	49.3	+9.5	40.7	-0.4	44.7	-2.5	56.4	+0.5	66.1	+1.1	76.0	+2.4	77.7	-0.1	78.1	+1.7	67.5	-3.4	57.7	-2.6	48.3	-1.4	39.9	-1.5	58.5	+0.3
Middle Virginia																										
Callaville	48.0	+9.0	40.2	+0.7	44.6	-3.5	56.8	+0.7	66.0	+0.5	76.0	+3.0	76.6	-0.5	77.4	+1.7	68.5	-1.8	57.3	-1.9	46.3	-2.1	40.0	-0.3	58.1	+0.4
Charlottesville (near)	42.8	+6.4	37.0	-0.4	43.8	-2.5	54.1	-1.8	66.2	+0.5	74.9	+2.3	76.0	-0.5	76.3	+1.5	66.0	-3.5	54.2	-4.4	46.0	-1.9	37.2	-1.1	56.2	-0.5
Chatham	46.6	+6.6	40.4	-2.7	44.9	-2.1	56.8	+0.5	65.0	-0.7	75.2	+1.1	75.2	-2.8	75.6	0.0	65.2	-6.0	55.2	-2.6	45.3	-2.5	39.0	-2.9	57.0	-1.2
Clarksville	46.0	+8.4	38.7	-2.3	44.8	-2.8	57.0	+0.5	66.0	+0.7	76.2	+2.7	77.2	+0.2	78.2	+3.0	65.9	-4.4	54.9	-3.4	44.2	-2.8	39.2	0.0	57.4	0.0
Columbia	45.2	+8.2	38.6	+1.0	43.0	-3.5	54.9	-0.2	66.2	+1.5	76.0	+4.0	76.8	+0.9	77.6	+3.1	65.6	-3.1	54.3	-3.1	44.5	-2.0	38.4	+0.4	56.8	+0.6
Culpeper	43.3	+8.8	36.6	0.0	43.8	-1.1	54.2	-0.2	66.0	+2.2	75.4	+0.4	77.4	+2.1	77.7	+4.4	66.0	-1.8	55.0	-1.1	45.7	+1.0	36.9	+1.1	56.5	+1.6
Danville	47.7	+7.6	41.6	-1.9	46.4	-3.6	57.9	-0.8	67.3	0.0	76.9	+0.9	77.2	-2.3	78.0	+0.3	67.4	-5.5	56.8	-4.2	46.7	-3.1	39.6	-2.3	58.6	-1.3
Farmville	46.0	+7.1	40.3	+2.8	44.4	-1.8	56.8	+1.6	65.2	-1.4	75.4	+0.8	76.4	-3.1	77.0	0.0	66.3	-5.1	56.0	-3.0	45.5	-1.5	37.7	-1.1	57.2	-0.4
Fredericksburg (near)	44.7	+8.0	38.5	+1.2	42.8	-3.8	54.6	-0.8	64.8	-0.1	74.4	+2.2	76.2	-0.4	76.6	+1.8	65.1	-4.4	55.6	-2.4	46.0	-1.3	37.6	-0.3	56.4	0.0
Kenbridge	46.0	.....	39.9	.....	44.4	.....	56.3	.....	65.3	.....	74.8	.....	75.4	.....	76.4	.....	65.0	.....	55.6	.....	46.8	.....	38.8	.....	57.1	.....
Lincoln	42.1	+9.1	34.8	+0.8	42.1	-1.7	52.9	-0.5	66.2	+2.3	75.2	+3.6	76.7	+0.2	78.0	+3.8	66.6	-2.2	54.4	-2.7	47.2	+1.8	37.0	+2.4	56.1	+1.4
Lynchburg	45.3	+7.8	39.6	-0.7	45.2	-2.1	56.0	-1.3	66.4	-0.9	76.0	+1.4	75.8	-1.7	76.4	+0.8	66.3	-2.7	55.3	-3.2	46.0	-1.2	39.2	-0.3	57.3	-0.3
Martinsville	44.6	+9.4	36.9	-1.3	41.7	-3.3	53.6	0.0	63.8	+1.4	74.0	+3.8	75.2	+0.4	76.1	+2.7	63.8	-4.3	54.0	-1.5	44.6	-0.9	37.8	+0.6	55.5	+0.6
Mineral (near)	38.6	+8.4	36.9	-1.3	41.7	-3.3	53.6	0.0	63.8	+1.4	74.0	+3.8	75.2	+0.4	76.1	+2.7	63.8	-4.3	54.0	-1.5	44.6	-0.9	37.8	+0.6	55.5	+0.6
Mount Weather	44.6	+9.4	36.9	-1.3	41.7	-3.3	53.6	0.0	63.8	+1.4	74.0	+3.8	75.2	+0.4	76.1	+2.7	63.8	-4.3	54.0	-1.5	44.6	-0.9	37.8	+0.6	55.5	+0.6
New Canton	45.8	+8.5	40.0	+1.9	43.4	-3.6	55.1	-0.1	64.3	-0.3	74.1	+2.2	74.8	-1.3	75.7	+1.9	64.0	-4.4	55.3	-2.1	46.0	-0.7	38.6	+0.3	56.5	+0.2
Quantico	43.8	+8.8	36.4	+1.1	42.4	-2.7	54.2	+0.1	64.8	+0.8	73.8	+1.7	76.3	-0.7	76.8	+2.6	65.5	-3.2	55.2	-2.2	46.2	+0.9	37.4	+1.1	56.1	+0.7
Rocky Mount	46.6	+8.9	39.2	+0.4	44.6	-2.3	55.8	+0.1	64.6	-0.1	74.6	+2.7	74.5	-0.5	75.3	+1.7	65.6	-3.1	54.3	-2.6	44.0	-3.4	37.8	-0.5	56.4	+0.1
Stuart	47.2	+6.8	41.0	-0.9	43.4	-3.0	55.7	-0.4	64.3	-0.7	73.5	+1.2	73.6	-2.4	74.1	0.0	65.0	-5.2	54.3	-3.7	45.6	-2.4	37.2	-4.9	56.2	-1.3
Washington, D. C.	43.8	+10.4	36.6	+1.3	42.0	-0.6	53.4	-0.1	65.8	+2.1	75.1	+2.9	77.2	+0.5	77.8	+2.8	65.9	-2.2	55.3	-2.1	46.6	+1.4	37.0	+0.4	56.4	+1.4
Means	45.0	+8.2	38.3	+0.1	43.3	-2.7	54.9	-0.3	65.2	+0.6	74.9	+2.5	75.7	-0.7	76.6	+2.0	65.4	-3.7	54.9	-2.7	45.4	-1.2	37.8	-0.5	56.4	+0.1
Great Valley																										
Big Meadows	36.6	.....	28.0	.....	33.0	.....	43.9	.....	56.6	.....	66.2	.....	66.3	.....	69.2	.....	59.0	.....	47.2	.....	37.8	.....	30.8	.....	47.9	.....
Blacksburg	43.1	+9.8	36.3	+2.1	41.2	-1.5	52.0	+1.2	61.4	+1.6	71.0	+3.4	70.6	-0.4	72.5	+2.6	62.8	-1.8	50.9	-2.5	42.0	-0.6	35.2	+0.6	53.2	+1.2
Buchanan	45.6	+9.2	39.6	-1.0	44.4	-2.9	55.1	-0.7	64.0	-0.6	73.7	+1.5	74.0	-2.0	75.4	+1.1	65.8	-4.1	53.6	-4.8	44.6	-2.0	37.0	-1.6	56.1	-0.6
Burkes Garden	42.8	+10.8	31.6	-0.6	37.1	-3.1	47.8	-0.2	57.4	+0.5	65.7	+2.0	66.6	-0.3	69.2	+3.4	58.6	-1.9	47.4	-2.9	37.5	-2.7	31.4	-1.3	49.4	+0.3
Catawba Sanatorium	44.2	+7.8	36.9	-2.0	42.4	-2.5	53.3	-0.8	62.4	0.0	71.6	+2.0	72.0	-0.7	72.9	+1.3	62.4	-4.2	52.5	-4.2	42.7	-3.1	36.2	-1.6	51.1	-0.7
Dale Enterprise	42.6	+9.4	36.2	+1.6	41.2	-1.5	51.0	-1.1	62.0	-0.3	70.9	+1.1	72.0	-1.7	73.0	+1.0	62.4	-4.6	51.9	-3.6	43.1	-0.8	35.1	-0.1	53.4	-0.1
Dante	47.4	+11.7	36.0	-3.4	42.0	-3.1	53.6	-0.5	62.1	+1.0	69.3	+0.4	70.7	-1.1	71.3	+0.3	64.0	-3.2	50.9	-5.2	40.5	-4.6	34.2	-4.1	53.5	-1.0
Emory	47.0	+9.6	37.2	-0.2	42.0	-0.8	53.2	+0.8	61.8	+0.4	70.4	+1.5	72.2	-0.9	74.4	+3.0	65.0	-1.6	51.9	-3.5	40.6	-4.4	34.5	-2.8	54.2	+0.1
Floyd	42.8	.....	34.8	.....	40.2	.....	50.6	.....	59.6	.....	70.3	.....	69.9	.....	70.4	.....	60.2	.....	48.6	.....	40.6	.....	34.2	.....	51.8	.....
Glen Lyn	44.7	.....	35.6	.....	40.8	.....	52.8	.....	64.3	.....	72.2	.....	71.6	.....	73.8	.....	62.5	.....	50.8	.....	40.0	.....	34.4	.....	53.6	.....
Hot Springs	41.9	+10.0	33.2	+0.7	38.4	-3.4	50.6	+0.7	59.4	-0.3	67.8	+1.2	68.3	-1.1	69.4	+1.3	58.0	-4.7	46.8	-5.6	36.9	-4.7	31.4	-2.1	50.2	-0.6
Lexington	43.8	+9.6	36.8	+1.0	41.6	-2.3	52.9	-0.2																		

Supplemental Table of Monthly and Annual Precipitation for the Year 1937

Stations	Counties	Drainage-basin	Elevation, feet	Length of record, years	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Appomattox	Appomattox	Appomattox	825	1							3.61	7.44	1.91		1.53	0.90	
Arlington	Potomac	Potomac	10	1											3.96	0.67	
Big Knob	Scott	Tennessee	3,200	3	8.65	5.48	1.30	3.27	2.43	4.91	3.84	4.14	4.43	5.46	1.31	3.51	48.72
Buckingham	Buckingham	James	550	1											1.81	0.90	
Buena Vista	Rockbridge	do	885	1							2.40	6.83	2.61	9.48	2.00	0.82	
CCC Camp No. 1.	Madison	Shenandoah	3,400	3	7.08	6.10	1.10	12.18	3.75	7.94	4.02	7.01	3.36	7.52	4.36	0.65	65.08
CCC Camp No. 5.	Lee	Tennessee	1,500	4	13.61	5.49	2.82	3.60	4.20	6.44	5.22	3.07	0.93	6.44	1.46	3.80	57.08
Cleveland	Russell	do	1,525	2	7.96	4.25	1.46	3.09	2.22	5.81	6.36	5.69	1.68	6.30	1.38	2.03	48.23
Covington	Allegheny	James	1,245	1			1.32	3.09	1.24	2.17	2.63	7.46	1.70	7.42	1.43	1.35	
Damascus	Washington	Tennessee	1,930	5		5.55	0.37	1.22		3.20	4.59		1.73	5.90	0.54	2.81	
Dunbar	Wise	do	2,000	3	11.85	4.63	2.06	2.95	2.62	4.81	4.98	4.84	2.20	6.85	1.23	2.29	51.31
Dungannon	Scott	do	2,500	3	8.54	4.52	1.74	3.26	2.10	5.18	5.61	3.75	2.68	5.84	1.27	2.07	46.56
High Knob	Wise	do	4,000	3	12.15	5.44	2.01	2.75	2.87	7.64	5.41	5.75	3.18	5.19	2.40	3.19	57.98
Holston	Washington	do	3,450	3	7.79	3.83	1.16	3.24	2.58	3.74	3.29	5.43	2.18	7.60	1.24	2.44	44.32
Honaker	Russell	do	2,400	3	8.85	4.36	1.99	3.52	2.74	4.20	4.05	5.84	2.63	8.77	1.16	1.99	50.10
Jewell Ridge	Tazewell	do	2,700	2	6.93	4.43	1.70	3.31	2.03	6.14	3.41	7.02	2.82	8.19	1.17	2.02	49.17
Jonesville	Lee	do	1,400	3	11.38	5.67	1.73	3.79	3.15	5.91	5.10	4.12	1.54	4.50	1.08	2.98	50.95
Loves Mill	Washington	do	2,040	3	7.15	3.44	1.41	2.60	2.65	4.17	3.01	3.68	2.17	6.67	1.33	2.92	41.20
Lynchburg (Airport)	Campbell	James		1											1.78	0.76	
Marion	Smyth	Tennessee	2,150	3	7.44	3.78	1.87	2.71	1.73	2.50	3.09	5.35	2.06	8.29	0.47	1.58	40.87
Montebello	Nelson	James	2,500	1	8.01	6.02		8.97	3.30	7.23	5.21	8.70	3.78	8.60	3.78	0.97	
Mount Jackson	Shenandoah	Shenandoah	900	1	5.00	2.36				3.47	5.21	8.63	4.03	5.94	1.78	0.72	
Mount Solon	Augusta	do	1,400	1	5.58	2.92	1.17	4.75	1.13	6.06	4.70	7.67	10.11	1.15	1.08	49.69	
Mutters Gap	Russell	Tennessee	3,925	3	8.42	4.98	1.77	3.32	2.84	3.58	3.48	7.41	4.11	9.26	1.69	2.81	53.67
Nebo	Smyth	do	2,425	3	6.56	3.19	0.98	2.39	3.07	2.97	5.50	4.99	1.18	9.45	0.60	3.28	44.16
New Castle	Craig	James	1,300	1							2.46	5.56	2.38	8.62	1.95	1.04	
North Garden	Albemarle	do	700												3.06	0.84	
Olinger	Lee	Tennessee	1,400	3	11.13	5.14	2.08	3.39	2.08	4.64	6.31	4.07	1.08	5.39	0.84	2.57	48.72
Panorama	Rappahannock	Rappahannock	2,304	3	6.24	4.98	0.81	12.08	4.29	7.93	3.14	6.76	3.48	7.51	4.40	0.48	62.10
Pedlar Dam	Annebert	James	800	4							4.74	8.51	2.89	10.24	2.75	1.54	
Pulaski	Pulaski	New Kanawha	1,904	1											8.29	1.37	0.93
Rattlesnake Point	Rappahannock	Rappahannock	3,100	3	6.07	5.10	0.87	9.85	3.11	7.00	3.22	6.54	3.40	7.45	4.45	0.44	57.50
Richmond (Byrd Airport)	Henrico	James	160	1							8.85	7.18	1.99	5.42	2.74	0.96	
Rockfish	Nelson	do	500	1											3.07	0.98	
Rose Hill	Lee	Tennessee	1,500	2	13.21	5.89	2.82	3.60	4.20	6.54	5.28	3.43	0.93	6.44	1.46	3.80	57.60
Spring Creek	Tazewell	do	3,150	3	6.31	3.57	1.03	1.72	2.24	4.06	3.00	7.02	3.12	8.39	0.94	2.35	43.75
Swords Creek	Russell	do	2,000	2	7.81	4.27	2.04	3.87	3.95	3.62	3.57	5.36	1.40	7.72	1.10	2.59	47.30
Tazewell	Tazewell	do	2,450	3	7.04	3.43	0.89	1.98	0.69	2.06	3.36	6.04	2.42	7.46	0.98	1.73	38.08
Troutdale	Grayson	do	3,450	3	6.06	6.01		4.67	2.48	5.78	6.44	5.90	3.93	8.89	1.37	2.55	
Tye River	Nelson	James	551												3.02	1.01	
Urbanna	Middlesex	Chesapeake Bay	20	1											3.66	4.19	0.99
Wallace	Washington	Tennessee	1,875	3	8.68	4.50	0.88	3.57	2.39	3.21	2.27	5.88	5.17	8.24	0.88	3.78	49.45

KILLING FROSTS 1937

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
<i>Tidewater Virginia</i>			<i>Middle Virginia Cont.</i>		
Cape Henry	Apr. 1	Nov. 5	Pinnacles	Apr. 17	Oct. 9
Christchurch	Apr. 11	Oct. 15	Powhatan	Apr. 11	Oct. 24
Dahlgren	Mar. 28	Nov. 23	Quantico	Mar. 27	Oct. 15
Diamond Springs	Mar. 28	Nov. 5	Randolph	Apr. 13	Oct. 15
Emporia	Apr. 11	Oct. 15	Rockymount	Apr. 13	Oct. 16
Holland	Apr. 11	Oct. 15	Stuart	Apr. 13	Oct. 15
Hopewell	Apr. 1	Oct. 15	Washington	Mar. 28	Oct. 25
Langley Field	Mar. 27	Nov. 22	<i>Great Valley</i>		
Norfolk	Mar. 28	Nov. 24	Afton	Apr. 11	Oct. 14
Onley	Apr. 13	Oct. 15	Berryville	Apr. 17	Oct. 13
Richmond	Mar. 28	Oct. 15	Big Meadows	Apr. 17	Oct. 13
Tappahannock	Apr. 13	Oct. 15	Blacksburg	Apr. 17	Oct. 15
Walkerton	Apr. 13	Oct. 15	Buchanan	Apr. 17	Oct. 15
Wallaceton	Apr. 13	Oct. 16	Burkes Garden	Apr. 17	Oct. 11
Williamsburg	Apr. 13	Oct. 15	Catawba Sanatorium	Apr. 17	Oct. 15
<i>Middle Virginia</i>			Clifton Forge	Apr. 17	Oct. 15
Bedford	Apr. 17	Oct. 15	Dale Enterprise	Apr. 17	Oct. 15
Callaville	Apr. 11	Oct. 15	Dante	Apr. 17	Oct. 15
Charlottesville	Apr. 11	Oct. 15	Deerfield	Apr. 17	Oct. 15
Chatham	Apr. 12	Oct. 15	Emory	Apr. 17	Oct. 15
Clarendon	Apr. 13	Oct. 15	Floyd	Apr. 17	Oct. 15
Clarksville	Apr. 13	Oct. 15	Glen Lyn	Apr. 17	Oct. 8
Columbia	Apr. 17	Oct. 15	Hot Springs	Apr. 17	Oct. 15
Culpeper	Apr. 11	Oct. 15	Ivanhoe	Apr. 17	Oct. 10
Danville	Mar. 10	Oct. 15	Lexington	Apr. 13	Oct. 15
Farmville	Apr. 17	Oct. 15	Mendota	Apr. 13	Oct. 15
Fredericksburg	Apr. 11	Oct. 15	Mountain Lake	Apr. 17	Oct. 8
Halifax	Apr. 12	Oct. 15	North River Dam	Apr. 17	Oct. 15
Kenbridge	Apr. 12	Oct. 15	Pennington Gap	Apr. 12	Oct. 15
Lincoln	Apr. 17	Oct. 15	Roanoke	Apr. 17	Oct. 15
Lynchburg	Mar. 27	Oct. 15	Saltville	Apr. 13	Oct. 15
Manassas	Apr. 17	Oct. 15	Sexton Shelter	Apr. 17	Oct. 13
Martinsville	Apr. 11	Oct. 15	Shen's Camp No. 3	Apr. 17	Oct. 13
Mineral	Apr. 17	Oct. 15	Staunton	Apr. 17	Oct. 14
Mount Weather	Apr. 12	Oct. 11	Timberville	Apr. 17	Oct. 15
New Canton	Apr. 17	Oct. 15	Winchester	Apr. 17	Oct. 15
Orange	Apr. 10	Oct. 15	Woodstock	Apr. 17	Oct. 15
			Wytheville	Apr. 17	Oct. 15

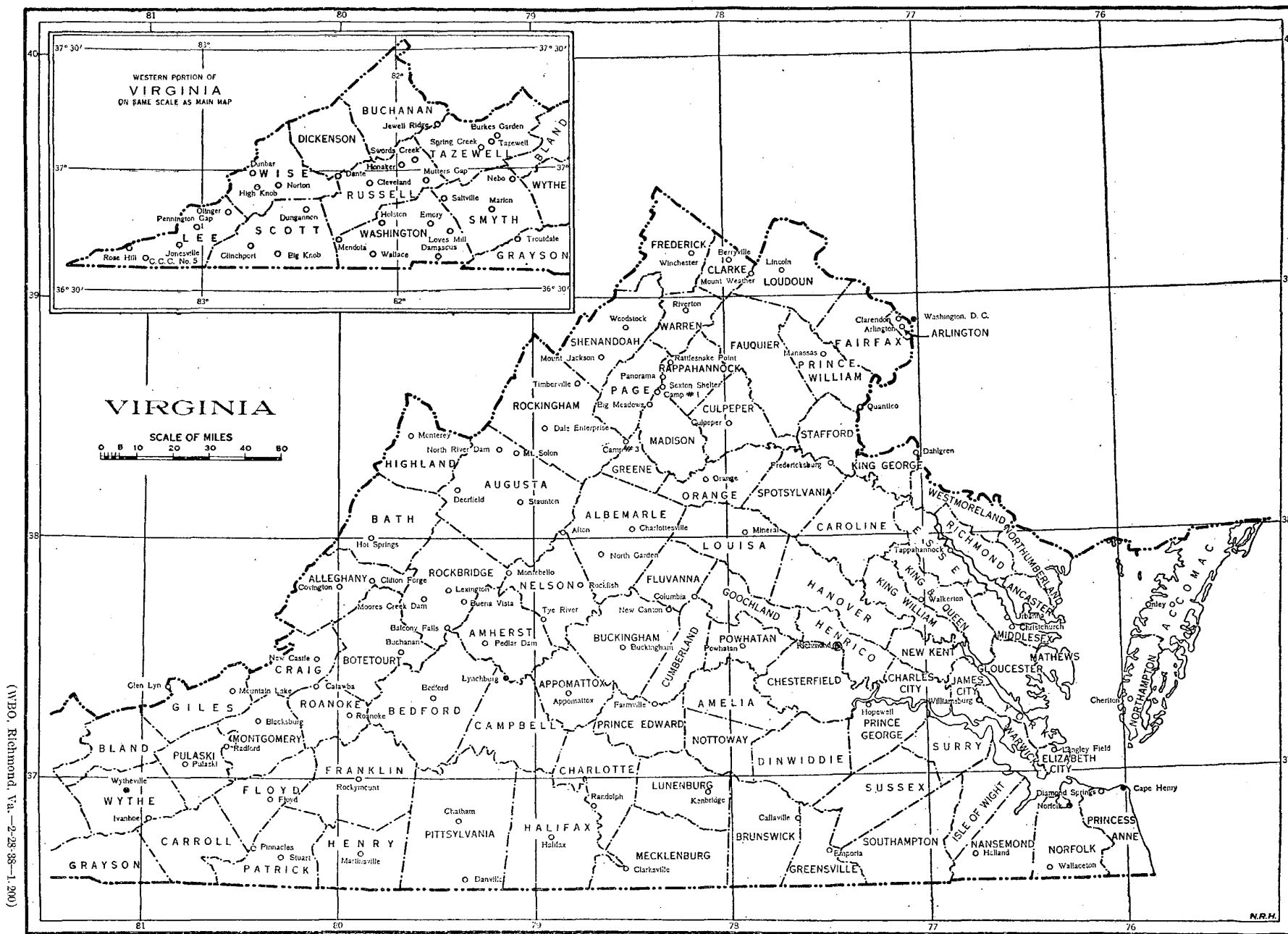
MONTHLY STATE DATA 1937

Month	Temperature				Precipitation			Number of days			
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest 24-hour	Average snow-fall	Rainy	Clear	Partly cloudy
January	45.5	+8.9	79	13	8.01	+4.67	6.10	T.	18	4	6
February	37.7	+0.7	77	1	3.15	+0.03	3.04	7.3	11	10	7
March	42.6	-3.1	77	2	1.54	-2.18	1.77	3.6	7	15	7
April	54.1	-0.3	95	20	5.92	+2.56	5.44	T.	11	13	7
May	64.1	0.0	95	28	2.78	-0.94	2.33	0.0	9	19	3
June	73.6	+1.9	98	40	4.92	+0.73	3.07	0.0	13	13	5
July	74.5	-0.9	101	37	4.88	+0.38	4.30	0.0	12	15	6
August	75.5	+1.4	102	48	7.49	+3.10	4.66	0.0	13	13	6
September	64.9	-3.7	98	27	2.84	-0.29	3.24	0.0	7	18	6
October	54.0	-3.3	89	18	7.59	+4.55	7.26	0.4	12	12	7
November	44.6	-1.9	79	1	2.76	+0.36	4.45	0.3	12	16	8
December	37.1	-0.9	75	3	1.32	-1.77	1.51	2.6	7	12	12

ERRATUM

December, 1937: Stuart total precipitation should be 1.65, departure from the normal, -2.29.

CHART SHOWING LOCATION OF OBSERVATION STATIONS



(WBO, Richmond, Va.—2-28-38—1.200)