CLIMATOLOGICAL DATA

F. N. HIBBARD

VOL. XLVI RICHMOND, VA., YEAR 1936 No. 13

GENERAL SUMMARY

Weather conditions during 1936 were slightly warmer and considerably wetter than usual, the mean temperature being 0.2° above normal, and the precipitation exceeding the normal amount by 3.58 inches. This amount of precipitation has been greater only 10 times in the past 46 years.

In temperature, the unusually cold months of January and February, the former being the fourth coldest of record, and the latter being the eighth coldest, were followed by an unusually warm March; and the only other cool months were April and November. Temperatures from May to October averaged above normal, with many record breaking maxima recorded during June and July. Among the stations, temperature averages ranged from 46.7° on Skyline Drive to 60.0° in the Norfolk section; and extremes, from 17° below zero on Skyline to 109° above at Lincoln.

In precipitation, January, March and December were unusually wet months, January exceeding all former records for the month, March ranking fifth, and December fourth greatest in amount of rainfall. Generally dry weather characterized the period from May to August, with the amount for May next to the least of record. Among the stations yearly amounts ranged from about 32 inches at Mount Weather to 64 inches at Pinnacles; and monthly amounts, from a trace in May at Powhatan and Callaville to about 12 inches on Skyline in March. The amount of snowfall was eight inches greater than normal, with only four previous years exceeding it.

The principal events of the year were $1,500,000 damage to the roads by the freezes of January and February; heavy March floods in the James River and the Potomac River, damage from which is now estimated at approximately $4,000,000; hail and wind damage in June, July and Angust amounting to $324,000; and the tropical storm of September entailing a loss of $1,600,000 in Eastern Virginia.

MONTHLY STATE DATA 1936

Month	Temperature			Precipitation			Number of days			
	Mean	Highest	Lowest	Average	Greatest 24-hour	Average snowfall	Rainy	Clear	Partly cloudy	Cloudy
January	31.0	72	−17	6.45	3.57	4.8	12	13	6	12
February	32.2	79	−14	3.87	2.15	14.5	9	12	7	10
March	49.8	85	17	5.84	4.75	3.4	12	12	8	11
April	52.2	93	15	3.43	3.15	0.1	10	13	8	9
May	66.3	97	29	1.34	2.44	0.0	5	22	7	2
June	72.1	105	34	3.35	3.62	0.0	9	15	9	6
July	77.1	109	41	4.23	3.40	0.0	11	13	12	6
August	76.4	104	45	3.67	3.75	0.0	9	14	11	6
September	70.5	98	35	3.30	4.60	0.0	7	16	7	7
October	59.5	88	19	3.64	5.98	0.0	7	15	8	8
November	45.0	84	6	1.11	1.45	0.3	5	15	8	7
December	39.4	72	2	5.07	2.93	2.9	13	10	5	16

KILLING FROSTS 1936

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Tidewater Virginia			*Middle Virginia Con't.*		
Cape Henry	Mar. 2	Nov. 16	New Canton	Apr. 19	Oct. 28
Christchurch	Apr. 4	Oct. 31	Orange	Apr. 4	
Dahlgren	Apr. 8	Nov. 18	Pinnacles	Apr. 24	Oct. 28
Diamond Springs	Mar. 2	Nov. 17	Quantico	Apr. 8	Oct. 27
Emporia		Oct. 28	Randolph	Apr. 19	Oct. 28
Holland	Mar. 14	Oct. 31	Rockymount	Apr. 19	Oct. 28
Hopewell	Mar. 8	Oct. 31	Stuart	Apr. 20	Oct. 28
Langley Field	Mar. 2	Nov. 16	Washington	Apr. 8	Oct. 27
Norfolk	Feb. 24	Nov. 19	*Great Valley*		
Onley	Apr. 8	Nov. 11	Berryville		Oct. 27
Richmond	Mar. 8	Oct. 28	Big Meadows	May 14	Oct. 27
Tappahannock	Apr. 25	Oct. 28	Blacksburg	Apr. 24	Oct. 28
Walkerton	Apr. 25	Oct. 28	Buchanan	Apr. 20	Oct. 28
Wallaceton		Oct. 28	Burkes Garden	May 31	Oct. 28
Williamsburg	Apr. 19	Oct. 28	Catawba Sanatorium	Apr. 23	Oct. 27
Middle Virginia			Clifton Forge	Apr. 20	Oct. 27
Bedford	Apr. 15	Oct. 28	Dale Enterprise	Apr. 23	Oct. 27
Callaville	Apr. 25	Oct. 28	Dante	Apr. 23	Oct. 31
Charlottesville	Apr. 8	Oct. 27	Emory	Apr. 24	Oct. 31
Chatham	Apr. 19	Oct. 27	Floyd		Oct. 28
Clarendon	Apr. 8	Oct. 27	Glen Lyn	Apr. 23	Oct. 31
Clarksville	Apr. 19	Oct. 31	Hot Springs	Apr. 23	Oct. 28
Columbia	Apr. 23	Oct. 28	Lexington	Apr. 23	Oct. 28
Culpeper	Apr. 23	Oct. 28	Mendota		Oct. 31
Danville	Apr. 20	Oct. 31	Mountain Lake		Oct. 27
Farmville	Apr. 19	Oct. 28	North River Dam		Oct. 27
Fredericksburg	Apr. 25	Oct. 28	Pennington Gap	Apr. 20	Oct. 31
Halifax	Apr. 8	Oct. 28	Roanoke	Apr. 20	Oct. 28
Kenbridge	Apr. 25	Oct. 28	Saltville	Apr. 20	Oct. 31
Lincoln	Apr. 23	Oct. 27	Sexton Shelter		Oct. 27
Lynchburg	Apr. 23	Oct. 28	Shen'h Camp No. 3		Oct. 27
Manassas	Apr. 27	Oct. 27	Staunton	Apr. 23	Oct. 27
Martinsville		Oct. 28	Timberville	Apr. 23	Oct. 27
Mineral	Apr. 25	Oct. 27	Winchester	Apr. 23	Oct. 27
Mount Weather	Apr. 8	Oct. 28	Woodstock	Apr. 23	Oct. 27
			Wytheville	Apr. 18	Oct. 28

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Mean temperature	Highest	Lowest	Average precipitation	Average snowfall	No. of rainy days	No. of clear days	No. of partly cloudy days	No. of cloudy days
NORMALS OR EXTREMES	55.8	109	−29	41.72	17.1	104	162	102	101
1891	55.6			47.94					
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	56.6	105	−10	42.64	12.3	93	163	106	97
1897	56.0	103	−15	39.19	11.8	92	171	99	95
1898	56.6	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	101	95
1905	54.9	98	−15	43.27	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	103
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

Climatological Data for the Year 1936

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	63	59.1	103	June 30	10	Feb. 1	63	45.08	6.46	Jan.	0.44	May	26.8	122	128	121	117	sw.
Christ Church	Middlesex	107	12	58.2	100	July 9	2	Feb. 1	13	37.27	7.08	Jan.	0.46	May	16.9	112	128	106	132	e.
Dahlgren	King George	18	17	56.4	100	July 9	3	Jan. 23	17	42.98	6.27	Jan.	1.07	May	17.4	123	81	145	140	se.
Diamond Springs‡‡	Princess Anne	25	28	60.0	100	Aug. 18	8	Jan. 29	28	50.30	7.75	Jan.	0.50	May	20.0	97	193	109	64	ne.
Emporia	Greensville	100							6	51.24	9.69	July	0.39	May	16.0	101	231	59	76	s.
Holland	Nansemond	80	4	58.6	101	June 30	− 3	Feb. 1	4	56.10	8.38	Jan.	0.65	May	15.5	94	212	40	114	sw.
Hopewell	Prince George	40	45	59.4	104	July 10	− 3	Feb. 8	49	35.40	7.16	Jan.	0.81	Sept.	17.2	107	94	166	106	sw.
Langley Field	Elizabeth City	10	52	58.5	102	June 30	4	Feb. 1	100	39.94	6.46	Dec.	0.25	May	16.5	125	120	126	120	sw.
Norfolk	Norfolk	11	66	60.0	101	June 30	10	Jan. 23†	66	52.31	9.30	July	0.98	May	21.5	136	101	98	167	sw.
Onley	Accomac	40	18	57.3	99	July 10	5	Feb. 1†	19	47.95	7.66	Jan.	0.48	May	24.4	108	129	146	91	se.
Richmond	Henrico	162	57	58.3	105	July 10	6	Jan. 23†	65	36.97	7.76	Jan.	0.45	May	16.3	116	129	111	126	sw.
Tappahannock	Essex	25	6	57.0	100	July 9†	− 9	Feb. 8	6	41.40	7.37	Jan.	0.90	May	16.0	79	231	65	70	w.
Walkerton	King and Queen	35	4	56.0	104	July 10	−12	Feb. 8	4	38.26	7.74	Jan.	0.71	May	19.0	114	182	109	75	ne.
Wallaceton	Norfolk	15							11	61.20	8.86	July	1.16	May	22.2	117	201	69	96	sw.
Williamsburg	James City	70	42	59.2	102	June 30	0	Feb. 1	36	44.29	7.68	Jan.	0.59	May	14.5	118	196	64	106	sw.
Means and extremes				58.3	105	July 10	−12	Feb. 8		45.39	9.69	July	0.25	May	18.7	111	157	102	107	sw.
Middle Virginia																				
Bedford	Bedford	950							23	52.58	7.79	Jan.	0.68	Nov.	20.7	131	170	117	79	sw.
Callaville	Brunswick	250	42	57.4	100	June 20†	− 7	Feb. 1	42	47.13	7.96	Jan.	T.	May	12.7	78	223	73	70	w.
Charlottesville (near)	Albemarle	854	44	57.0	105	June 30	− 2	Jan. 23	61	47.66	6.99	Mar.	0.75	Nov.	21.0	104	146	90	130	n.
Chatham	Pittsylvania	852	14	57.3	104	July 10	0	Jan. 23	15	46.34	6.73	Jan.	0.62	May	20.5	121	217	57	92	s.
Clarendon	Arlington	200							12	41.05	5.69	Jan.	0.65	Sept.	20.4	110	189	71	106	s.
Clarksville	Mecklenburg	286	18	56.6	104	June 30	0	Feb. 1†	46	51.15	8.63	Jan.	0.46	May	14.5	122	230	47	89	e.
Columbia	Fluvanna	246	36	57.1	108	July 10	− 4	Feb. 8	39	39.21	8.26	Jan.	0.53	May	15.4	92	209	53	104	s.
Culpeper	Culpeper	400	29	55.9	102	July 10	− 7	Feb. 8	30	37.47	5.05	Dec.	0.92	Nov.	25.6	105	256	27	83	s.
Danville	Pittsylvania	564	21	59.3	107	July 10	4	Feb. 11	46	41.89	7.81	Jan.	0.86	May	17.0	119	137	118	111	w.
Farmville	Prince Edward	450	15	57.6	104	July 10	− 8	Feb. 8	17	48.66	8.21	Jan.	0.43	May	11.8	119	132	97	137	sw.
Fredericksburg (near)	Spotsylvania	75	43	56.5	105	July 10	− 7	Feb. 8	45	36.91	6.81	Jan.	1.03	Nov.	22.4	98	161	121	84	s.
Halifax	Halifax	425							6	46.07	8.53	July	0.38	May	18.0	95	252	34	80	w.
Kenbridge	Lunenburg	500	5	57.4	102	July 10			5	46.79	7.95	Jan.	0.26	May						sw.
Lincoln ‡‡	Loudoun	500	35	55.9	109	July 10	− 6	Jan. 23	36	42.37	6.10	Dec.	0.78	Nov.	21.5	87	168	85	113	s.
Lynchburg	Campbell	631	65	57.7	106	July 10	− 1	Jan. 23	65	54.94	9.46	Jan.	0.66	Nov.	16.4	146	68	223	75	nw.
Manassas (near)	Prince William	156							20	41.80	5.72	Jan.	1.13	Nov.	22.1	107	159	111	96	sw.
Martinsville	Henry	1,014							6	50.33	7.95	Jan.	0.96	Nov.	14.1	119	180	124	62	sw.
Mineral (near)	Louisa	250	21	55.5	101	July 10	−14	Feb. 8	21	34.86	7.56	Jan.	0.79	May	16.5	90	173	77	116	s.
Mount Weather ‡‡	Loudoun	1,725	32	52.0	100	July 10	− 8	Jan. 23	33	31.81	5.81	Mar.	0.39	Nov.	25.1	84	53	131	182	s.
New Canton	Buckingham	300	41	56.8	103	June 30†	− 4	Feb. 8†	43	41.20	8.78	Jan.	0.64	May	18.5	107	164	109	93	sw.
Orange	Orange	514							30	40.44	5.85	Jan.	1.05	Nov.	23.0	82	234	73	59	w.
Pinnacles	Patrick	2,820							3	64.25	9.61	Jan.	0.90	May	2.5	118	206	58	102	nw.
Powhatan	Powhatan	100							14	36.28	6.61	Jan.	T.	May	17.3					sw.
Quantico	Prince William	20	36	55.6	101	July 10	− 6	Feb. 8	32	43.42	6.83	Jan.	0.92	Nov.	24.2	112	105	134	127	nw.
Randolph	Charlotte	334							32	45.26	7.68	Jan.	0.85	May	14.5	106	196	54	116	sw.
Rockymount	Franklin	1,132	40	56.8	103	June 30†	0	Jan. 23	43	46.25	6.69	Jan.	0.77	Nov.	19.0	89	227	28	111	se.
Stuart	Patrick	1,288	14	57.9	105	July 10	1	Jan. 23	14	50.87	7.66	Jan.	0.89	May	10.8	116	159	79	128	w.
Washington, D. C.		72	66	56.3	105	July 10	0	Jan. 23	66	41.11	5.87	Jan.	0.76	Nov.	23.3	119	121	105	140	nw.
Means and extremes				56.7	109	July 10	−14	Feb. 8		44.61	9.61	Jan.	T.	May	19.0	107	175	88	103	sw.
The Great Valley																				
Afton	Nelson	1,750							6	46.16	7.59	Mar.	0.85	Nov.	26.0	88				
Balcony Falls	Rockbridge	725							6	44.14	8.51	Jan.	0.20	Nov.	15.6	77	233	52	81	w.
Berryville	Clarke	581							6	34.86	6.49	Mar.	0.93	Nov.	24.5	81	209	63	94	
Big Meadows	Madison	3,500	2	46.7	87	July 10	−17	Jan. 23	2	55.49	11.65	Mar.	1.12	Nov.	52.2	93	79	139	148	nw.
Blacksburg	Montgomery	2,100	45	54.0	98	July 10	− 9	Feb. 8	45	42.01	6.31	Jan.	0.76	May	27.6	122	174	70	122	se.
Buchanan	Botetourt	820	19	56.9	105	July 10	− 3	Feb. 8	36	48.23	9.76	Mar.	0.94	Nov.	22.5	119	161	125	80	w.
Burkes Garden	Tazewell	3,250	40	50.2	93	July 10	−14	Feb. 8	42	52.25	6.30	Jan.	1.62	Nov.	64.1	120	188	102	76	w.
Catawba Sanatorium	Roanoke	2,100	26	55.0	99	July 10	− 5	Jan. 23	26	50.91	7.29	Jan.	0.66	Nov.	13.7	122	213	96	57	nw.
Clifton Forge	Alleghany	1,055							13	43.58	5.96	Mar.	0.58	May		102	190	47	129	w.
Clinchport	Scott	1,300							39	50.67	7.64	July	0.72	May	30.0	103				
Dale Enterprise	Rockingham	1,350	55	54.1	102	July 10	−13	Feb. 8	57	37.93	6.06	Mar.	0.58	Nov.	29.0	106	156	124	86	s.
Damascus	Washington	1,928	4	55.6	97	June 26†	− 4	Jan. 23	10	47.01	6.54	Mar.	1.52	Nov.		105				ne.
Dante	Russell	2,000	19	54.8	100	June 30	−10	Jan. 23	20	54.02	10.17	July	0.92	June	37.9	116	137	125	104	sw.
Deerfield	Augusta	1,700							10	42.96	6.88	Mar.	0.63	Nov.	26.4	97	141	141	84	nw.
Emory	Washington	2,112	11	54.8	100	June 29	− 8	Feb. 8	12	48.15	8.51	Jan.	0.72	June	48.3	133	175	127	64	w.
Floyd	Floyd	2,600	4	54.2	100	July 15†	− 8	Jan. 23	4	47.14	7.65	Jan.	0.87	Nov.						
Glen Lyn	Giles	1,600	5	54.9	100	June 30	− 9	Jan. 23	23	43.37	5.31	Aug.	1.12	Nov.	32.6	123	156	37	173	sw.
Hot Springs	Bath	2,195	43	51.3	94	July †10	−11	Jan. 23	45	44.75	5.87	Mar.	0.87	Nov.	48.5	121	156	123	87	sw.
Ivanhoe	Wythe	2,100							30	42.02	6.46	Jan.	0.69	May	17.5	87				
Jewel Ridge	Tazewell	2,700							2	49.36	7.67	July	2.13	May	33.3	130				
Lexington	Rockbridge	1,060	59	54.8	100	July 10†	−10	Feb. 8	65	40.67	6.00	Jan.	0.46	Nov.	28.0	112	204	57	105	
Mendota	Washington	1,350							32	49.96	7.36	July	0.73	June	31.1	137				
Monterey	Highland	3,200							12	54.50	8.56	Mar.	2.15	Nov.	68.7	101				
Moores Creek Dam	Rockbridge	1,780							1	45.69	6.32	Mar.	0.48	Nov.						nw.
Mountain Lake	Giles	4,000	2						2											
North River Dam	Augusta	1,918							6	44.95	7.49	Oct.	0.74	Nov.	32.9	101	248	60	58	w.
Pennington Gap	Lee	1,586	5	55.0	100	June 29	− 6	Jan. 23†	5	57.61	7.60	Jan.	0.95	May	42.5	127	131	149	86	nw.
Radford	Montgomery	1,800							31	36.93	6.20	Jan.	0.65	Nov.	22.0	112				
Riverton	Warren	500							6	36.56	8.17	Mar.	0.56	Sept.	25.7	83				
Roanoke	Roanoke	907	30	56.9	105	July 10	− 1	Feb. 8	34	44.65	7.73	Jan.	0.34	Nov.	15.8	113	147	131	88	w.
Rose Hill	Lee	1,500							2											
Saltville	Smyth	1,770	20	54.6	101	June 29	− 6	Jan. 22†	22	45.03	6.91	Jan.	0.89	May	32.5	126	160	62	144	w.
Sexton Shelter	Page	3,300							2	52.96	11.88	Mar.	1.01	Nov.	50.2	84				nw.
Shenandoah Camp No. 3	Rockingham	3,300							2	54.66	11.92	Mar.	0.96	Aug.	50.9	85				nw.
Staunton	Augusta	1,480	45	53.2	103	July 10	− 6	Jan. 23	50	40.46	7.48	Mar.	0.34	Nov.	26.5	105	164	140	62	w.
Swords Creek	Russell	2,000							2	47.22	6.75	July	1.26	June	30.3	113				
Timberville	Rockingham	1,018							5	37.57	8.95	Mar.	0.48	Nov.	29.0	110	231	94	41	s.
Winchester	Frederick	667	31	54.1	104	July 10†	− 7	Jan. 23	30	39.03	7.94	Mar.	0.91	Nov.	28.2	99	158	102	106	sw.
Woodstock	Shenandoah	1,127	39	54.7	103	July 9†	−10	Feb. 8	45	38.94	7.66	Mar.	0.77	Nov.	24.1	98	175	81	110	nw.
Wytheville	Wythe	2,299	34	53.1	95	June 29†	− 7	Jan. 23	63	35.20	5.38	Sept.	0.60	Nov.	29.4	138	118	120	128	w.
Means and extremes				53.9	105	July 10	−17	Jan. 23		45.75	11.92	Mar.	0.20	Nov.	32.9	108	171	99	96	w.
State means and extremes				56.0	109	July 10	−17	Jan. 23		45.30	11.92	Mar.	T.	May	25.1	108	169	95	102	sw.

Section and State averages are computed from monthly means.
All other records are used in determining section and division means, but the mean departures from normal temperature and precipitation are based only on records from stationsthat have 10 or more years of observation.
Reference letters, [a], [b], [c], appearing in the tables indicate number of days missing: for example, [b] represents two days, etc.
†Also on other dates. *Interpolated. ‡Partially interpolated.
‡‡Post-office addresses of these stations are as follows: Diamond Springs, Norfolk; Lincoln, Purcellville; Mount Weather, Bluemont.
T. Precipitation is less than 0.01 inch rain or snow. Depatures in temperature and precipitation corrected to agree with new normals completed in March.

Monthly and Annual Precipitation for the Year 1936 with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	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	6.46	+3.31	4.80	+1.49	3.82	−0.05	4.50	+1.20	0.44	−3.13	3.81	−0.15	2.70	−2.67	1.03	−3.83	4.52	+1.66	5.88	+2.87	1.69	−0.67	5.43	+1.99	45.08	+ 2.02
Christchurch	7.08	+3.31	3.31	+0.11	3.77	+0.41	3.51	−0.63	0.46	−3.27	2.81	−1.24	3.68	−0.70	2.03	−2.33	1.91	−1.95	1.47	−1.93	0.80	−1.24	6.44	+3.05	37.27	− 6.41
Dahlgren	6.27	+3.42	4.18	+1.69	4.85	+1.50	3.11	−0.30	1.07	−2.06	3.76	−0.11	5.80	+1.56	3.30	−1.84	2.69	0.00	1.88	−0.51	1.32	−0.63	4.75	+1.66	42.98	+ 4.38
Diamond Springs	7.75	+4.21	4.05	+0.71	4.27	+0.65	3.69	+0.42	0.50	−3.65	5.33	+0.22	4.80	−0.74	0.97	−3.31	5.99	+2.28	5.78	+2.84	2.12	−0.24	5.05	+0.90	50.30	+ 4.29
Emporia	7.87		3.35		4.67		5.40		0.39		5.17		9.69		2.86		1.33		2.46		1.90		6.12		51.24	
Holland	8.38		5.04		5.72		4.93		0.65		7.45		6.80		2.87		3.35		2.86		2.41		5.64		56.10	
Hopewell	7.16	+4.18	3.43	+0.42	4.04	+0.14	4.20	+0.80	1.41	−2.26	2.03	−2.79	3.47	−0.85	2.27	−2.41	0.81	−2.58	1.05	−1.61	0.97	−1.15	4.56	+1.04	35.40	− 7.07
Langley Field	5.39	+2.42	2.66	−0.68	3.43	−0.14	3.28	+0.30	0.25	−3.14	4.31	+0.04	2.72	−2.36	2.49	−2.04	3.57	+0.80	3.96	+1.46	1.42	−0.71	6.46	+3.41	39.94	− 0.64
Norfolk	6.60	+3.50	4.16	+0.83	3.83	+0.06	4.71	+1.48	0.98	−2.83	3.95	−0.27	9.30	+3.55	1.77	−3.45	4.95	+1.72	5.31	+2.27	1.87	−0.29	4.88	+1.54	52.31	+ 8.11
Onley	7.66	+4.63	3.91	+0.25	5.45	+1.48	3.98	+0.72	0.48	−2.74	2.66	−0.68	1.74	−2.54	3.80	−1.26	5.82	+2.71	5.02	+1.72	0.95	−1.21	6.48	+2.80	47.95	+ 5.88
Richmond	7.76	+4.55	3.92	+0.65	3.83	+0.15	2.68	−0.81	0.45	−3.34	3.88	−0.02	3.18	−1.55	2.90	−1.52	1.43	−1.82	1.68	−1.20	0.92	−1.29	4.34	+1.05	36.97	− 5.15
Tappahannock	7.37		5.68		3.45		3.01		0.90		5.65		2.95		3.34		1.63		1.53		1.00		4.89		41.40	
Walkerton	7.74		4.63		4.24		2.85		0.71		2.47		1.24		4.84		1.81		1.02		0.92		5.79		38.26	
Wallaceton (near)	6.51	+3.38	4.89	+0.83	5.14	+0.77	6.24	+1.66	1.16	−2.74	6.77	+1.87	8.86	+1.48	3.29	−2.07	5.42	+0.19	4.86	+1.80	3.33	+0.05	4.73	+0.28	61.20	+ 7.50
Williamsburg	7.68	+4.36	4.00	+0.50	5.49	+1.39	3.81	+0.09	0.59	−2.99	3.56	−1.21	3.37	−2.35	4.14	−1.00	2.11	−1.03	2.82	−0.26	1.18	−0.93	5.54	+1.88	44.29	− 1.55
Means	7.18	+3.75	4.14	+0.62	4.40	+0.58	3.99	+0.45	0.70	−2.92	4.24	−0.39	4.69	−0.65	2.79	−2.28	3.16	+0.18	3.17	+0.68	1.52	−0.76	5.41	+1.78	45.39	+ 1.04
Middle Virginia																										
Bedford	7.79	+4.72	4.12	+1.02	6.03	+2.51	3.89	+0.88	1.55	−1.65	5.78	+1.53	2.54	−1.21	6.95	+2.91	3.13	−0.01	4.10	+0.74	0.68	−1.70	6.02	+2.35	52.58	+12.09
Cadiaville	7.96	+4.41	4.67	+1.19	5.28	+0.90	4.85	+1.11	T.	−3.98	5.17	+0.90	4.42	−0.91	2.83	−2.26	0.88	−2.69	2.86	−0.28	2.07	−0.22	6.14	+2.63	47.13	+ 0.80
Charlottesville (near)	6.37	+3.02	4.50	+1.70	6.99	+3.52	2.61	−0.91	1.13	−2.83	2.48	−2.81	4.55	+0.22	2.20	−2.92	4.75	+1.53	5.04	+1.41	0.75	−1.71	6.29	+2.83	47.66	+ 3.05
Chatham	6.73	+3.13	3.83	+0.95	5.58	+1.92	4.01	+0.56	0.62	−2.97	4.39	+1.48	4.89	+1.10	3.94	−0.01	3.89	+0.82	2.06	−1.13	1.08	−1.27	5.32	+1.88	46.34	+ 6.46
Clarendon	5.69	+2.76	3.78	+1.18	4.34	+1.51	1.95	−1.83	5.30	+1.84	2.22	−1.39	3.78	+0.25	4.30	−0.95	0.65	−2.36	3.58	−0.33	0.72	−2.03	4.74	+2.26	41.05	+ 0.91
Clarksville	8.63	+5.34	3.81	+0.44	6.60	+2.94	5.57	+2.17	0.46	−3.41	4.37	+0.14	7.75	+3.55	3.08	−1.55	1.94	−1.14	2.80	−0.01	1.70	−0.51	4.44	+0.94	51.15	+ 8.90
Columbia	8.26	+4.91	3.69	+0.95	4.87	+1.28	3.01	−0.46	0.53	−3.09	1.61	−2.33	2.68	−1.58	5.22	+0.69	2.73	−0.24	2.16	−1.13	0.72	−1.61	3.73	+0.58	39.21	− 2.03
Culpeper	3.78	+0.79	4.08	+1.68	4.86	+1.96	2.24	−1.12	1.04	−2.98	2.66	−2.31	3.07	−0.75	2.56	−2.24	3.33	+0.09	3.88	+0.72	0.92	−1.57	5.05	+1.93	37.47	− 3.80
Danville	7.81	+4.44	4.31	+1.12	5.20	+1.48	3.81	+0.43	0.86	−2.72	3.14	−0.90	3.16	−1.03	1.00	−3.44	3.47	+0.36	1.90	−1.02	1.32	−0.91	5.91	+2.33	41.89	+ 0.14
Farmville	8.21	+5.37	4.57	+1.82	5.88	+1.82	3.00	−0.05	0.43	−3.44	5.37	+0.79	1.80	−2.39	7.86	+3.83	4.87	+2.14	1.48	−1.80	0.46	−1.88	4.73	+1.57	48.66	+ 7.78
Fredericksburg (near)	6.81	+3.47	3.47	+0.75	3.99	+0.41	2.11	−1.39	1.91	−1.83	2.89	−1.32	4.04	−0.32	2.31	−2.67	2.43	−0.73	1.93	−1.28	1.03	−1.08	3.99	+0.85	36.91	− 5.14
Halifax	6.99		3.59		5.11		4.20		0.38		5.11		8.53		2.97		2.08		1.27		1.14		5.60		46.97	
Kenbridge	*7.95		*4.46		*5.68		4.18		0.26		4.84		3.86		6.42		1.05		2.01		1.32		4.76		46.79	
Lincoln	4.50	+1.50	4.08	+1.47	6.07	+2.99	2.23	−1.08	1.88	−1.72	3.23	−1.50	3.31	−0.13	5.22	+0.96	1.51	−1.13	3.46	+0.45	0.78	−1.57	6.10	+3.36	42.37	+ 3.60
Lynchburg	9.46	+6.03	3.99	+0.73	7.48	+3.94	4.54	+1.59	1.23	−2.40	4.64	+0.85	3.07	−1.14	5.95	+2.17	4.64	+1.33	3.93	+0.78	0.66	−1.67	5.35	+2.09	54.94	+14.39
Manassas (near)	5.72	+2.60	3.88	+0.79	4.96	+1.00	2.40	−0.65	1.90	−1.74	5.33	+1.73	3.67	−0.14	3.21	−1.71	1.75	−0.83	3.23	+0.72	1.13	−1.24	4.62	+1.74	41.80	+ 3.17
Martinsville	7.95		5.08		5.53		3.97		1.33		4.35		4.17		2.82		4.70		3.69		0.96		5.78		50.33	
Mineral (near)	7.56	+4.44	3.46	+0.82	3.17	−0.21	2.55	−0.59	0.79	−3.03	3.78	−0.36	2.97	−1.43	2.17	−2.33	2.34	−0.73	1.77	−1.51	0.80	−1.46	3.52	+0.44	34.88	− 5.95
Mount Weather	4.14	+1.24	2.78	+0.28	5.81	+2.88	1.97	−1.59	1.42	−2.42	2.56	−2.14	1.19	−2.61	3.79	−0.73	1.90	−0.98	3.31	−0.56	0.39	−2.11	2.55	−0.11	31.81	− 8.85
New Canton	8.78	+5.23	4.41	+1.46	6.48	+2.65	3.09	−0.23	0.64	−2.78	2.29	−1.44	1.60	−2.29	4.11	−0.82	2.24	−0.79	2.38	−0.30	0.78	−1.57	3.90	+0.60	41.20	− 0.28
Orange	5.85	+2.82	4.01	+1.41	5.21	+2.02	2.86	−0.48	1.56	−2.10	2.10	−2.66	4.58	−0.02	1.54	−3.08	2.79	−0.47	4.22	+1.14	1.05	−1.39	4.67	+1.46	40.44	− 1.35
Pinnacles	9.61		4.03		7.79		5.92		0.90		2.84		5.27		8.20		5.79		4.59		1.65		7.66		64.25	
Powhatan	6.51	+3.68	3.21	+0.92	4.25	+1.30	3.12	−0.64	T.	−3.30	2.89	−0.21	2.94	−0.75	4.12	−0.28	*3.01	0.00	*1.77	−0.88	*0.70	−1.44	3.75	+0.76	36.28	− 0.84
Quantico	6.83	+3.75	3.87	+1.23	4.57	+1.25	2.43	−0.82	1.63	−1.50	3.89	+0.07	4.74	+0.77	4.38	−0.08	3.36	+0.26	2.58	−0.38	0.92	−1.18	4.22	+1.39	43.42	+ 4.86
Randolph	7.68	+4.12	4.13	+0.73	5.89	+2.23	4.70	+1.58	0.85	−2.87	4.17	+0.43	4.60	+0.30	4.03	−0.36	1.28	−1.48	2.84	−0.10	0.92	−1.32	4.17	+0.76	45.26	+ 4.02
Rockymount	6.69	+3.33	3.44	+0.23	5.96	+2.02	4.68	+1.35	1.48	−2.19	2.87	−1.97	1.10	−3.69	3.97	−0.68	3.18	−0.44	6.34	+2.48	0.77	−1.66	5.77	+2.06	46.25	+ 0.84
Stuart	7.66	+4.61	3.93	+0.83	3.35	−0.34	5.11	+1.59	0.89	−2.63	3.27	−0.07	4.09	−0.49	5.01	−0.66	5.69	+1.80	3.66	−0.52	1.14	−1.84	6.57	+2.63	50.87	+ 4.91
Washington, D.C.	5.87	+2.32	3.83	+0.46	4.47	+0.72	1.98	−1.29	5.32	+1.62	2.29	−1.84	4.07	−0.64	3.61	−0.40	1.98	−1.26	1.70	−1.14	0.76	−1.61	5.23	+1.91	41.11	− 1.15
Means	7.07	+3.67	3.96	+1.01	5.42	+1.82	3.46	−0.08	1.30	−2.26	3.59	−0.64	3.80	−0.64	4.06	−0.69	2.91	−0.29	3.04	−0.16	0.98	−1.44	5.02	+1.64	44.61	+ 1.94
Great Valley																										
Afton	5.33		3.25		7.59		2.49		1.64		2.99		3.18		3.21		3.88		5.75		0.85		6.00		46.16	
Balcony Falls	8.51		3.34		7.48		2.77		2.71		2.05		1.65		4.09		2.10		3.72		0.20		5.52		44.14	
Berryville	3.71		2.64		6.49		1.69		1.52		3.53		2.18		3.68		1.58		3.25		0.93		3.66		34.86	
Big Meadows	4.91		5.31		11.65		1.97		1.44		3.35		6.88		1.98		2.95		6.50		1.12		7.43		55.49	
Blacksburg	6.31	+3.02	2.69	−0.39	4.60	+0.92	3.87	+0.68	0.76	−2.92	3.46	−1.12	3.05	−2.15	4.69	+0.59	4.19	+0.98	3.02	−0.18	0.90	−1.41	4.47	+1.03	42.01	− 0.95
Buchanan	7.32	+3.77	4.12	+1.34	9.76	+6.37	3.29	+0.32	1.57	−2.12	4.02	−0.54	2.47	−2.11	1.43	−3.12	2.88	−0.57	5.49	+1.65	0.94	−1.35	4.94	+1.51	48.23	+ 5.15
Burkes Garden	6.30	+2.69	3.65	+0.21	5.51	+0.93	5.08	+1.32	2.31	−1.98	3.31	−1.52	5.81	+1.41	5.93	+1.51	5.72	+2.30	2.96	−0.25	1.62	−1.14	4.05	+0.30	52.25	+ 5.78
Catawba Sanatorium	7.29	+4.35	5.08	+2.29	6.59	+3.10	3.18	+0.14	3.14	−0.33	2.21	−2.54	5.25	+0.84	3.90	−0.85	4.53	+1.07	4.01	+0.34	0.66	−1.76	5.07	+2.05	50.91	+ 8.70
Clifton Forge	5.33	+3.10	4.14	+1.08	5.96	+2.14	2.67	+0.27	0.58	−3.53	3.19	+0.29	5.25	+1.71	2.86	−0.14	3.38	+0.75	4.22	+0.79	0.95	−1.53	5.05	+2.08	43.58	+ 7.01
Clinchport	6.60	+2.16	4.43	+0.40	4.92	−0.07	4.51	+0.67	0.72	−3.35	0.85	−3.71	7.64	+2.67	5.53	+0.86	3.84	+0.49	4.63	+1.89	1.33	−1.59	5.67	+1.05	50.67	+ 1.47
Dale Enterprise	3.81	+1.17	2.17	−0.06	6.06	+3.15	2.20	−0.62	2.57	−0.95	2.33	−2.46	2.48	−1.95	2.35	−1.83	3.52	+0.96	5.53	+2.83	0.58	−1.38	4.33	+1.74	37.93	+ 0.60
Damascus	4.67	+1.99	4.61	+1.20	6.54	+1.92	4.65	+0.71	1.62	−2.77	4.38	+0.88	2.56	−2.08	4.24	+0.04	5.43	+1.72	3.37	+0.86	1.52	−1.00	3.42	+0.58	47.01	+ 4.05
Dante	5.97	+2.03	3.42	0.00	5.53	+0.69	4.50	+0.36	1.52	−3.72	0.92	−4.04	10.17	+4.73	5.68	+0.74	4.70	+0.72	3.43	+0.39	1.83	−1.14	6.35	+2.44	54.02	+ 3.20
Deerfield	5.57	+2.89	3.02	+0.93	6.88	+3.17	3.15	−0.43	1.84	−0.76	1.72	−0.86	6.34	+1.76	2.28	−1.63	2.26	−0.38	3.38	+0.40	0.63	−1.85	5.89	+2.99	42.96	+ 6.23
Emory	8.51	+5.36	4.28	+0.55	5.69	+1.30	4.88	+1.26	1.00	−3.89	0.72	−3.18	4.89	+1.33	4.45	−0.37	4.15	+1.61	3.43	+0.91	1.51	−0.82	4.64	+0.77	48.15	+ 4.83
Floyd	7.65		3.78		*5.85		*3.55		1.19		*2.42		1.65		*4.82		5.78		3.32		0.87		6.26		47.14	
Glen Lyn	5.23	+1.92	3.67	+0.70	3.80	+0.18	3.45	+0.71	1.57	−1.83	4.59	+1.05	4.65	+0.94	5.31	+1.23	3.90	+1.32	2.93	−0.03	1.12	−1.10	3.15	+0.09	43.37	+ 5.18
Hot Springs	5.59	+2.34	4.30	+1.74	5.87	+2.24	2.88	−0.46	1.73	−1.87	3.48	−1.03	4.49	+0.25	3.07	−1.09	2.13	−0.98	5.08	+1.61	0.87	−1.64	5.26	+2.21	44.75	+ 3.32
Ivanhoe	6.46	+3.36	2.84	+0.11	5.92	+2.39	3.51	+0.51	0.69	−2.90	3.17	−1.13	2.82	−1.02	3.43	−1.28	4.13	+1.01	4.30	+1.36	1.02	−1.12	3.73	+0.63	42.02	+ 1.92
Jewell Ridge	5.20		2.46		4.09		4.04		2.13		2.79		7.67		5.41		3.67		4.08		2.22		5.60		49.36	
Lexington	6.00	+3.01	4.41	+1.74	5.96	+2.53	2.76	−0.18	1.59	−1.73	4.13	+0.01	1.28	−2.61	2.16	−1.93	3.23	+0.49	3.99	+0.86	0.46	−1.69	4.70	+1.59	40.67	+ 2.09
Mendota	6.99	+2.83	4.25	+0.47	5.33	+0.38	4.95	+1.06	1.77	−2.27	0.73	−4.21	7.36	+2.65	4.86	+0.44	3.20	−0.08	3.65	+0.67	1.45	−1.41	5.42	+1.30	49.96	+ 1.83
Monterey	4.92	+1.94	5.00	+2.31	8.56	+4.34	2.60	−0.75	4.22	−0.36	5.95	+2.22	5.01	−0.35	3.28	−1.05	2.43	+0.17	5.47	+2.77	2.15	−0.19	4.91	+1.29	54.50	+12.34
Moores Creek Dam	*5.43		*3.79		*6.32		3.05		0.67		4.46		3.35		2.68		5.06		4.30		0.48		6.10		45.69	
Mountain Lake													4.35		6.23		5.55		4.18		1.79		5.60			
North River Dam	4.39		3.55		6.25		2.54		1.59		3.30		3.41		3.89		2.77		7.49		0.74		5.03		44.95	
Pennington Gap	7.60		4.47		6.85		5.82		0.95		2.45		5.59		7.01		3.50		4.59		1.67		7.11		57.61	
Radford	6.20	+3.32	2.99	+0.09	3.79	+0.42	3.11	+0.37	1.20	−2.25	1.56	−2.22	3.01	−1.05	2.30	−1.12	4.46	+1.70	3.50	+0.64	0.65	−1.33	4.16	+1.10	36.93	− 0.33
Riverton	3.93		2.73		8.17		1.68		1.81		2.26		2.58		2.72		0.56		4.95		0.79		4.38		36.56	
Roanoke	7.73	+4.63	3.88	+1.10	6.56	+3.24	3.03	+0.13	1.42	−1.96	3.46	−0.90	1.50	−2.68	2.28	−1.65	3.56	+0.36	5.54	+1.72	0.34	−1.87	5.35	+2.25	44.65	+ 4.37
Rose Hill	7.15						0.84		2.03		6.34		6.23		3.22		3.31		1.79		6.25					
Saltville	6.91	+3.19	3.90	+0.18	4.71	+0.30	4.24	+0.56	0.89	−3.00	2.16	−2.93	5.49	+0.77	4.90	+0.65	4.09	+0.85	2.79	−0.29	1.00	−1.52	3.95	−0.34	45.03	− 1.58
Sexton Shelter	3.71		5.30		11.88		1.39		2.31		3.55		7.98		1.76		3.37		4.81		1.01		5.89		52.96	
Shenandoah Camp No. 3	5.30		5.36		11.92		2.17		2.33		4.00		4.28		0.96		4.95		6.40		1.09		5.90		54.66	
Staunton	4.80	+1.96	2.32	−0.02	7.48	+4.34	2.38	−0.64	1.76	−1.54	2.26	−1.96	4.20	−0.03	3.40	−0.69	4.13	+1.28	3.80	+0.84	0.34	−1.75	3.59	+0.95	40.46	+ 2.74
Swords Creek	6.16		3.21		5.37		4.26		1.49		1.26		6.75		5.79		3.87		2.99		1.53		4.54		47.22	
Timberville	2.72		3.90		8.95		2.02		1.89		1.89		3.17		0.78		3.49		3.26		0.48		4.02		37.57	
Winchester	4.30	+1.77	2.70	+0.61	7.94	+5.06	2.04	−1.11	1.36	−2.48	3.50	−0.72	1.32	−2.14	4.31	+0.63	1.51	−0.83	4.51	+1.63	0.91	−1.15	4.63	+1.99	39.03	+ 3.26
Woodstock	3.69	+1.16	2.59	+0.60	7.66	+4.88	1.93	−0.77	2.30	−0.99	3.63	−0.28	3.64	+0.28	1.95	−1.83	2.07	−0.42	4.73	+2.07	0.77	−1.03	3.98	+1.70	38.94	+ 5.37
Wytheville	5.19	+2.11	2.95	−0.14	4.59	+1.15	3.03	+0.04	0.77	−2.89	1.67	−2.53	2.33	−1.67	2.94	−1.25	5.38	+2.08	2.44	−0.40	0.60	−1.54	3.31	+0.39	35.20	− 4.65
Means	5.73	+2.75	3.70	+0.71	6.71	+2.29	3.19	+0.17	1.63	−2.18	2.84	−1.39	4.35	−0.02	3.72	−0.55	3.63	+0.69	4.23	+0.96	1.04	−1.35	4.98	+1.32	45.75	+ 3.39
State	6.45	+3.21	3.87	+0.75	5.84	+2.07	3.43	+0.13	1.34	−2.40	3.35	−0.78	4.23	−0.26	3.67	−0.66	3.30	+0.16	3.64	+0.70	1.11	−1.28	5.07	+1.95	45.30	+ 3.58

NOTE.—In this publication, annual means are computed from data for all stations: whereas, in monthly reports, means may not include all stations, as in some cases reports are not received in time to be used in the computations. All means include the interpolated values.

Monthly and Annual Mean Temperatures for the Year 1936 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	36.8	−3.4	35.4	−5.8	51.6	+5.0	54.6	0.0	66.0	+1.8	73.0	+0.1	78.6	+1.1	78.8	+1.9	73.5	+1.7	64.8	+2.7	50.3	−1.8	45.6	+1.9	59.1	+0.4
Christchurch	34.2	−6.9	33.5	−9.1	52.2	+5.6	53.6	−2.0	67.0	+2.4	73.4	−0.1	78.8	+1.0	78.2	+1.8	72.6	+0.4	62.2	+2.4	48.9	−2.0	43.3	+1.0	58.2	−0.4
Dahlgren	31.0	−5.3	29.9	−8.6	50.2	+4.8	52.2	−1.9	66.6	+4.1	72.7	+0.3	77.4	+0.7	78.0	+3.6	71.9	+1.8	60.6	+2.8	46.2	−1.1	40.2	+1.4	56.4	+0.2
Diamond Springs	39.0	−4.3	37.6	−6.1	54.3	+4.5	[a]56.1	−1.7	67.4	+1.6	[a]71.7	−2.0	78.4	+0.8	78.3	+1.7	74.4	+2.0	65.6	+2.9	51.8	−0.4	45.4	+1.1	60.0	0.0
Holland	36.4	.....	35.6	.....	53.4	.....	55.5	.....	66.8	.....	72.8	.....	77.8	.....	77.4	.....	72.1	.....	62.1	.....	48.9	.....	44.4	.....	58.6	.....
Hopewell	34.1	−5.8	36.0	−4.8	54.2	+5.2	55.6	−1.7	[c]70.2	+2.6	76.0	+0.7	80.4	+1.7	79.0	+1.8	74.0	+1.9	62.2	+2.3	49.2	−0.3	42.2	+1.3	59.4	+0.4
Langley Field	34.8	−6.1	34.6	−6.4	52.4	+4.7	54.4	−1.7	67.0	+1.1	73.0	−1.2	78.4	0.0	78.8	+1.4	73.3	+1.5	[a]3.1	+1.6	48.2	−2.1	43.9	+1.7	58.5	−0.5
Norfolk	37.4	−3.2	37.0	−5.7	53.8	+5.6	55.9	−0.9	67.9	+1.7	74.0	−0.4	79.1	+0.4	79.6	+2.2	73.6	+2.0	65.0	+2.5	50.4	−1.0	46.2	+3.1	60.0	+0.5
Onley	34.8	−4.4	33.0	−7.7	50.1	+4.5	53.2	−1.2	65.4	+2.2	72.4	−0.3	78.6	+0.8	77.1	+1.5	71.5	+0.6	[a]61.3	+0.9	47.1	−3.5	[a]42.8	+1.6	57.3	−0.4
Richmond	33.0	−4.9	34.6	−5.0	52.4	+5.2	54.0	−2.6	68.6	+2.1	74.2	+0.1	79.9	+1.4	79.0	+2.5	73.6	+3.1	61.8	+2.2	47.6	−0.7	41.4	+1.6	58.3	+0.4
Tappahannock	31.0	.....	30.6	.....	[a]50.7	.....	[a]54.0	.....	[c]65.8	.....	[b]73.0	.....	[c]78.4	.....	[b]78.6	.....	[a]72.4	.....	[b]61.8	.....	[a]47.5	.....	[c]39.7	.....	57.0	.....
Walkerton	*32.7	.....	*32.9	.....	49.6	.....	50.2	.....	63.8	.....	70.5	.....	77.2	.....	76.6	.....	71.6	.....	60.8	.....	45.9	.....	40.2	.....	56.0	.....
Williamsburg	34.7	−5.7	35.3	−5.8	54.1	+5.6	55.6	−1.4	68.8	+3.6	74.6	+1.8	79.7	+2.7	78.8	+3.1	73.0	+3.1	63.0	+2.8	49.2	+0.2	43.8	+2.6	59.2	+1.0
Means	34.6	−5.0	34.3	−6.5	52.2	+5.1	54.2	−1.5	67.0	+2.3	73.2	−0.1	78.7	+1.1	78.3	+2.2	72.9	+1.8	62.6	+2.3	48.6	−1.3	43.0	+1.7	58.3	+0.2
Middle Virginia																										
Callaville	31.8	−7.2	34.0	−5.5	51.1	+3.0	52.4	−3.7	67.0	+1.5	73.6	+0.6	78.2	+1.1	77.6	+1.9	72.6	+2.3	60.4	+1.2	48.6	+0.2	41.8	+1.5	57.4	−0.3
Charlottesville (near)	30.2	−6.2	32.2	−5.2	51.2	+4.9	52.8	−3.1	69.6	+3.9	74.0	+1.4	78.8	+2.3	78.6	+3.8	72.0	+2.5	60.4	+1.8	45.6	−2.3	38.8	+0.5	57.0	+0.3
Chatham	32.5	−7.5	34.8	−8.3	51.1	+4.1	53.1	−3.2	67.0	+1.3	72.8	−1.3	78.0	0.0	76.2	+0.6	72.1	+0.9	61.8	+4.0	47.4	−0.4	41.2	−0.7	57.3	−0.9
Clarksville	29.6	−8.0	31.7	−9.3	50.2	+2.6	52.5	−4.0	68.7	+3.4	74.1	+0.6	79.8	+2.8	78.2	+3.0	71.4	+1.1	60.8	+2.5	44.2	−2.8	37.5	−1.7	56.6	−0.8
Columbia	31.4	−5.6	32.0	−5.6	51.4	+4.9	53.8	−1.3	68.2	+3.5	74.0	+2.0	79.4	+3.5	78.6	+4.1	71.9	+3.2	59.3	+1.9	45.8	−0.7	39.1	+1.1	57.1	+0.9
Culpeper	29.6	−4.9	[b]30.0	−6.6	51.1	+6.2	52.9	−1.5	67.0	+3.2	72.2	+0.8	[c]77.2	+1.9	[b]77.6	+4.3	70.5	+2.7	59.5	+3.4	45.2	+0.5	38.4	+2.6	55.9	+1.0
Danville	34.6	−5.5	36.8	−6.7	53.0	+3.0	55.5	−3.2	70.1	+2.8	75.2	−0.8	80.8	+1.3	79.4	+1.7	73.6	+0.7	62.0	+1.0	48.6	−1.2	41.5	−0.4	59.3	−0.6
Farmville	31.4	−7.5	34.0	−3.5	52.2	+6.0	53.6	−1.6	66.0	−0.6	74.0	−0.6	[b]80.9	+1.4	78.5	+1.5	71.8	+0.4	60.7	+1.7	47.1	+0.1	40.4	+1.6	57.6	0.0
Fredericksburg (near)	31.4	−5.3	29.4	−7.9	51.3	+4.7	52.9	−2.5	66.6	+1.7	73.2	+1.0	78.2	+1.6	77.8	+3.0	72.0	+2.5	59.9	+1.9	45.6	−1.7	39.3	+1.4	56.5	+0.1
Kenbridge	*30.9	.....	*33.2	.....	[b]55.6	.....	54.2	.....	67.8	.....	72.8	.....	77.9	.....	77.0	.....	71.4	.....	[b]59.8	.....	48.0	.....	40.4	.....	57.4	.....
Lincoln	29.0	−4.0	28.0	−6.0	48.6	+4.8	51.8	−1.6	67.1	+3.2	72.4	+0.8	80.0	+3.5	79.4	+5.2	71.8	+3.0	60.4	+3.3	44.5	−0.9	37.8	+3.2	55.9	+1.2
Lynchburg	32.4	−5.1	34.6	−5.8	51.4	+4.1	54.0	−3.3	68.9	+1.6	73.6	−1.0	79.8	+2.3	77.8	+2.2	71.6	+2.6	60.8	+2.3	46.2	−1.0	40.9	+1.4	57.7	+0.1
Mineral (near)	30.6	−4.6	30.7	−7.5	51.5	+6.5	53.2	−0.4	65.4	+3.0	71.4	+1.2	76.3	+1.5	76.4	+3.0	70.5	+2.4	[a]57.8	+2.3	45.0	−0.5	37.6	+0.4	55.5	+0.6
Mount Weather	23.3	−7.3	24.6	−6.3	[a]48.6	+9.4	47.0	−2.2	63.2	+3.9	69.6	+2.7	73.4	+2.2	74.8	+5.4	68.1	+3.4	56.0	+2.3	41.0	−1.1	34.0	+1.5	52.0	+1.2
New Canton	32.0	−5.3	32.6	−5.5	51.4	+4.4	53.7	−1.5	66.4	+1.8	72.6	+0.7	78.1	+2.0	77.4	+3.6	71.2	+2.2	59.7	+2.3	46.4	−0.3	39.8	+1.5	56.8	+0.5
Quantico	30.4	−4.6	28.6	−6.7	50.4	+5.3	52.2	−1.9	65.6	+1.6	72.6	+0.5	77.0	0.0	77.1	+2.9	70.8	+2.1	59.4	+2.0	45.0	−0.3	38.5	+2.2	55.6	+0.2
Rockymount	31.8	−5.9	32.7	−6.1	50.0	+3.1	51.6	−4.1	67.4	+2.7	73.0	+1.1	79.9	+4.9	77.0	+3.4	71.3	+2.6	60.6	+3.7	46.2	−1.2	40.2	+1.5	56.8	+0.5
Stuart	34.5	−5.9	36.8	−6.1	51.5	+5.1	54.2	−1.9	69.1	+4.1	75.2	+2.9	79.4	+3.4	76.1	+2.0	71.0	+0.8	59.6	+1.6	45.8	−2.2	41.9	−0.2	57.9	+0.4
Washington, D. C.	30.6	−2.8	29.6	−5.8	50.3	+7.7	52.2	−1.1	67.4	+3.7	72.8	+0.6	78.4	+1.7	77.9	+2.9	71.4	+3.3	59.7	+2.3	45.0	−0.2	39.8	+3.2	56.3	+1.3
Means	30.9	−5.7	31.9	−6.3	51.2	+5.0	52.8	−2.3	67.3	+2.6	73.1	+0.7	78.5	+2.1	77.5	+3.0	71.4	+2.2	59.9	+2.3	45.9	−0.9	39.4	+1.1	56.6	+0.3
Great Valley																										
Big Meadows	21.6	.....	24.6	.....	[a]41.2	.....	42.6	.....	58.2	.....	62.2	.....	[b]66.8	.....	[b]65.6	.....	59.4	.....	[a]48.5	.....	35.7	.....	33.8	.....	46.7	.....
Blacksburg	29.4	−3.9	33.0	−1.2	47.0	+4.3	51.5	+0.7	64.4	+4.6	70.3	+2.7	74.7	+3.7	74.2	+4.3	68.4	+3.8	56.6	+3.2	42.5	−0.1	36.4	+1.8	54.0	+2.0
Buchanan	32.7	−3.7	34.8	−5.8	50.3	+3.0	53.4	−2.4	67.0	+2.4	72.4	+0.2	78.3	+2.3	77.8	+3.5	71.2	+1.3	60.7	+2.3	45.7	−0.9	39.0	+0.4	56.9	+0.2
Burkes Garden	27.8	−4.2	29.6	−2.6	43.0	+2.8	47.1	−0.9	59.5	+2.6	65.6	+1.9	70.0	+3.1	69.4	+3.6	63.6	+3.1	53.6	+3.3	38.7	−1.5	34.6	+1.9	50.2	+1.1
Catawba Sanatorium	30.6	−5.8	33.2	−5.7	49.2	+4.3	52.0	−2.1	65.1	+2.7	70.2	+0.6	75.6	+2.9	74.6	+3.0	68.7	+2.0	59.2	+2.5	43.1	−2.7	39.0	+1.2	55.0	+0.2
Dale Enterprise	28.6	−4.6	29.6	−5.0	46.4	+3.7	50.8	−1.3	65.4	+3.1	71.0	+1.2	76.2	+2.5	75.6	+3.6	69.0	+2.0	57.8	+2.3	43.2	−0.7	35.9	+0.7	54.1	+0.6
Damascus	31.0	.....	33.0	.....	46.7	.....	52.2	.....	64.0	.....	71.4	.....	76.2	.....	75.4	.....	73.8	.....	*61.6	.....	43.4	.....	38.6	.....	55.6	.....
Dante	31.0	−4.7	33.4	−6.0	45.9	+0.8	50.1	−4.0	65.5	+4.4	72.1	+3.2	73.6	+1.8	74.4	+3.4	69.1	+1.9	57.8	+1.7	42.9	−2.2	41.2	+2.9	54.8	+0.3
Emory	30.6	.....	32.9	.....	46.6	.....	52.0	.....	64.4	.....	71.6	.....	75.0	.....	74.6	.....	68.4	.....	58.9	.....	43.1	.....	39.5	.....	54.8	.....
Floyd	26.2	.....	30.7	.....	*49.5	.....	*52.4	.....	*67.0	.....	*72.8	.....	*78.0	.....	[1]74.2	.....	66.0	.....	55.6	.....	41.7	.....	36.2	.....	54.2	.....
Glen Lyn	29.4	.....	32.0	.....	47.9	.....	52.4	.....	66.8	.....	72.2	.....	76.6	.....	76.1	.....	68.6	.....	58.2	.....	41.8	.....	37.1	.....	54.9	.....
Hot Springs	26.0	−5.9	29.0	−3.5	44.8	+3.0	48.6	−1.3	61.6	+1.9	66.9	+0.3	71.7	+2.3	70.8	+2.7	65.8	+3.1	54.6	+2.2	40.2	−1.4	35.2	+1.7	51.3	+0.5
Lexington	30.2	−4.0	31.8	−4.0	49.2	+5.3	50.9	−2.2	65.2	+2.5	70.7	+0.2	77.2	+2.7	75.9	+3.0	69.7	+2.9	57.7	+2.9	43.2	−0.4	35.7	−0.1	54.8	+0.8
Mountain Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67.6	.....	67.4	.....	62.0	.....	51.5	.....	36.2	.....	33.5	.....	.....	.....
Pennington Gap	29.4	.....	32.4	.....	46.6	.....	51.3	.....	68.6	.....	72.4	.....	74.5	.....	75.2	.....	69.8	.....	58.1	.....	41.1	.....	41.0	.....	55.0	.....
Roanoke	31.7	−6.1	35.1	−4.1	50.2	+2.9	52.7	−3.5	67.3	+2.2	72.8	+0.9	79.4	+3.7	77.6	+3.1	71.5	+3.1	60.7	+3.2	45.4	−1.6	38.6	−0.4	56.9	+0.3
Saltville	29.7	−5.3	31.8	−6.5	46.4	+2.2	50.6	−3.4	66.8	+4.7	72.1	+2.2	75.4	+1.9	75.0	+1.6	69.0	+1.2	58.4	+2.4	41.8	−3.5	38.0	+0.7	54.6	−0.2
Staunton	25.7	−10.0	27.5	−8.4	45.2	+0.7	47.4	−6.0	64.2	+0.7	71.4	+0.8	76.2	+1.8	75.9	+2.9	68.5	+0.7	57.6	+1.5	42.4	−3.1	35.8	−1.5	53.2	−1.6
Winchester	26.4	−7.1	26.2	−8.7	46.4	+3.5	49.5	−3.5	67.1	+3.6	71.4	−0.7	77.5	+1.1	76.6	+2.4	70.6	+2.4	58.2	+1.8	42.8	−2.5	36.0	−0.2	54.1	−0.6
Woodstock	28.5	−5.3	28.0	−6.4	49.1	+5.0	51.4	−1.4	66.5	+3.1	71.0	+0.8	77.2	+2.3	76.4	+3.3	70.2	+2.4	58.8	+2.4	44.0	−1.0	35.8	+0.6	54.7	+0.4
Wytheville	29.2	−3.8	31.9	−3.2	46.2	+3.9	49.1	−2.9	63.2	+1.8	69.4	+0.7	74.2	+1.6	73.0	+2.5	66.8	+3.2	56.2	+2.6	41.2	−1.8	36.7	+1.4	53.1	+0.5
Means	28.8	−5.3	31.0	−5.1	46.9	+3.2	50.4	−2.4	64.9	+2.9	70.5	+1.1	74.9	+2.4	74.1	+3.1	68.1	+2.4	57.2	+2.4	41.9	−1.7	37.0	+0.8	53.8	+0.3
State	31.0	−5.4	32.2	−4.8	49.8	+4.0	52.2	−2.2	66.3	+2.2	72.1	+0.5	77.1	+1.7	76.4	+2.4	70.5	+1.8	59.5	+2.1	45.0	−1.6	39.4	+1.4	56.0	+0.2

For explanation of reference marks, see page 50

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