

CLIMATOLOGICAL DATA

VIRGINIA SECTION

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No. 13

GENERAL SUMMARY

The mild weather of the last three months of 1927 continued through January and February following, with temperatures well above normal, and while temperatures continued moderate through March and the first week in April, they were below normal most of the time thereafter until about the middle of July, when more seasonable weather set in and continued through the greater part of August. September was cool, on the whole, with frosts in the mountain districts the latter part of the month. The three following months were mild, with temperature averages considerably above normal. As a whole, the year averaged very little warmer than normal. Aside from rather severe frosts about the middle of April, that extended to the coast, no particularly adverse temperature conditions occurred during the year.

The first three months of the year, while mild as to temperature, were also dry, with a rather large deficiency in precipitation. April, however, brought copious rains, and the months thereafter were alternately dry and wet to August, inclusive. In the latter month rains were heavy and excessive, particularly over the eastern slope of the Blue Ridge, with phenomenal down-pours recorded at several stations, causing floods in practically all streams flowing eastward, with the highest stages of record for August in some instances. While the excessive rains of August did not extend over Tidewater Virginia, September rainfall was heavy over all sections, the largest excess for that month being over Tidewater section. Considerable damage to farm crops resulted from flood waters during these two months. Following these excessive rains came a prolonged period of dry weather that continued to the close of the year. Although eight months of the year were deficient in rainfall, the excesses of August and September more than offset the deficiencies, the average for the year being slightly above normal. As the early months and the last months were mainly mild and dry, it is not surprising that the year's snowfall was considerably below normal.

The mild weather of the spring and fall months furnished a long growing season and the harvest of staple crops was, in most instances, quite satisfactory.

Notes on frosts, severe storms, and floods may be found in the April, June, August, and September issues of this publication.—H. A. F.

ERRATA

February.—Page 6, Cape Henry, precipitation departure, 0.00; average snowfall, State, 0.6.

March.—Page 10, Cape Henry, temperature departure, +1.4; Runnymede, temperature departure, +1.4.

April.—Page 14, Lynchburg, mean temperature and departure, 53.2, —4.1; Middle Virginia, average snowfall, 0.6; Damascus, snowfall, 7.0; Great Valley, average snowfall, 5.2; State, average snowfall, 2.3.

May.—Page 18, Dante, precipitation departure, +0.11.

June.—Page 22, Lynchburg, temperature departure, —2.8.

July.—Page 26, Christchurch, total precipitation, 6.17.

Washington, D. C., precipitation departures, pages 2, 18, 22, 26, 30, 34, and 38, —0.74, +0.30, —1.47, —2.54, +10.40, +1.05, —2.17, respectively.

MONTHLY STATE DATA, 1928

Month	Temperature			Precipitation			Number of days			
	Mean	Highest	Lowest	Average	Greatest 24-hour rain	Average snow-fall	Rainy	Clear	Partly cloudy	Cloudy
January	37.5	79	-5	2.13	1.49	3.7	7	16	6	9
February	38.8	70	-7	2.23	1.47	0.8	8	12	7	10
March	45.6	87	10	2.73	2.02	23.6	11	14	10	7
April	52.5	87	17	4.86	3.51	2.3	11	11	8	11
May	62.4	96	29	2.61	1.76	0.0	10	13	10	8
June	70.2	98	36	5.09	2.35	0.0	15	8	13	9
July	76.2	100	45	3.43	2.54	0.0	8	17	10	4
August	75.9	103	42	8.71	8.28	0.0	13	11	11	9
September	64.3	95	27	6.84	5.25	0.0	10	12	7	11
October	59.0	92	17	1.33	1.59	0.0	5	16	8	7
November	48.1	83	11	1.33	1.42	0.3	6	12	10	8
December	38.9	68	7	1.70	1.85	1.3	5	16	6	9

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
1892	54.8	106	-8	40.01	.....	95	183	101	102
1893	55.1	104	-26	46.83	23.1	103	166	100	109
1894	57.0	106	-11	35.97	17.0	88	166	104	95
1895	54.6	107	-18	38.09	32.2	94	174	103	88
1896	56.4	105	-10	42.89	12.2	93	163	106	97
1897	56.0	103	-15	40.81	11.8	92	171	99	95
1898	56.5	105	-9	44.80	8.7	108	162	101	102
1899	56.4	106	-29	43.18	36.7	98	176	95	94
1900	57.0	107	-8	39.33	18.6	86	181	91	93
1901	55.3	106	-14	50.17	9.5	100	167	94	104
1902	55.6	108	0	51.42	14.9	95	170	97	98
1903	55.1	105	-13	44.85	8.4	95	172	89	104
1904	53.8	100	-14	36.18	24.9	95	170	101	95
1905	54.8	98	-15	43.58	18.5	111	155	112	98
1906	56.3	102	-2	49.56	15.2	124	143	120	102
1907	54.3	97	-16	44.19	17.4	115	159	115	91
1908	53.4	102	-20	45.21	30.0	110	162	108	96
1909	53.6	102	-5	39.81	12.9	101	171	104	90
1910	54.7	102	-9	41.37	20.3	112	151	116	98
1911	56.8	104	0	41.50	9.2	115	149	110	106
1912	54.5	100	-25	39.19	24.6	103	165	106	95
1913	57.2	102	-3	42.75	4.0	100	178	98	89
1914	55.0	103	-17	37.17	39.8	101	168	100	97
1915	55.8	101	-5	39.72	13.5	97	160	116	89
1916	55.5	102	-11	38.36	18.6	103	165	106	95
1917	53.3	103	-27	40.82	23.7	114	158	107	100
1918	55.3	108	-22	44.43	24.7	105	159	97	109
1919	56.8	103	-16	41.66	7.4	102	161	99	105
1920	54.8	99	-9	46.30	7.1	106	162	89	115
1921	58.4	104	-12	34.94	13.8	97	161	102	102
1922	57.1	100	-13	44.72	24.8	110	145	107	113
1923	56.2	103	-1	40.84	10.3	104	168	96	101
1924	54.5	107	-12	47.41	12.8	105	165	90	111
1925	56.5	103	-14	32.55	9.5	98	160	99	106
1926	55.5	107	-6	41.60	16.5	112	157	97	111
1927	56.5	104	-7	41.95	10.4	113	148	103	114
1928	55.8	103	-5	42.99	9.2	110	151	112	103
Normal and extremes	55.7	108	-29	42.39	17.5	102	164	102	99

Climatological Data for the Year 1928

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	
Tidewater Virginia																			
Ashland	Hanover	221					-3	Jan. 4											
Cape Henry	Princess Anne	20	55	59.2	97	July 20	17	Jan. 2	55	45.74	8.90	Sept.	0.97	Oct.	1.3	123	142	110	114 sw.
Christ Church	Middlesex	87	5	58.8	98	July 5*	10	Jan. 2	6	44.66	7.22	Sept.	0.44	Oct.	8.5	98			sw.
Dahlgren	King George	21	9	55.5	96	July 20	4	Jan. 30	9	45.45	14.97	Aug.	0.69	Dec.	14.0	110	91	137	138 sw.
Diamond Springs††	Princess Anne	25	20	59.8	95	Aug. 4	14	Jan. 2	20	58.86	15.23	Sept.	1.20	Oct.		92	180	140	46 sw.
Hopewell	Prince George	40	12	59.3	98	Aug. 3	7	Jan. 4	12	37.90	6.88	Sept.	0.27	Oct.	3.5	115	120	162	84 sw.
Langley Field	Elizabeth City	6	9		96	Aug. 6	14	Jan. 2*	9		9.73	Sept.							sw.
Norfolk	Norfolk	91	58	59.9	94	Aug. 7	12	Jan. 2	58	44.57	9.79	Sept.	1.24	Oct.	1.9	123	125	105	136 s.
Onley	Accomac	40	10	57.7	96	Aug. 3	14	Jan. 4	10	39.11	9.33	Sept.	1.31	Oct.	13.0	112	119	143	103 s.
Richmond	Henrico	144	49	57.7	97	Aug. 4	8	Jan. 29	49	42.89	8.05	Aug.	0.40	Oct.	7.6	118	153	97	116 sw.
Runnymede (near)††	Surry	25	39	58.2	96	Aug. 3	9	Jan. 4	39	45.78	10.44	Sept.	1.10	Oct.	7.0	90			s.
Wallaceton	Norfolk								2	57.52	10.60	Sept.	1.32	Jan.	3.4	133	202	84	80 s.
Warsaw (near)	Richmond	160	35						35		14.17	Aug.							sw.
Williamsburg	James City	70	35		98	Aug. 3			35	41.51	9.52	Sept.	0.54	Oct.	8.0				sw.
Means and extremes				58.2	98	July 5*	-3	Jan. 4		45.88	15.23	Sept.	0.27	Oct.	6.8	111	142	122	102 sw.
Middle Virginia																			
Callaville	Brunswick	250	34	57.4	97	Aug. 3*	4	Jan. 4	34	50.82	12.13	Sept.	0.72	Oct.	3.5	77	215	86	65 w.
Charlottesville (near)	Albemarle	854	37	56.6	97	Aug. 3	5	Jan. 2	37	41.55	11.97	Aug.	0.41	Oct.	5.5	101	149	92	125 w.
Chatham	Pittsylvania	852	6	57.6	100	July 4*	4	Jan. 2	6		8.82	Sept.	0.60	Dec.	6.0		201	85	80 w.
Clarendon	Arlington	200							3	45.85	11.95	Aug.	0.73	Oct.	10.0	115			
Clarksville	Mecklenburg	286	31	56.9	103	Aug. 4	8	Jan. 2*	31	40.66	7.60	Sept.	0.78	Oct.	2.5	79			nw.
Columbia	Fluvanna	246	30	55.8	98	Aug. 3*	2	Jan. 4	30	47.07	13.30	Aug.	0.81	Nov.	7.0	83	163	111	92 w.
Culpeper	Culpeper	450	21	55.1	94	July 20	2	Jan. 4	21		11.74	Aug.	0.56	Oct.	6.0				s.
Danville	Pittsylvania	430	28	59.4	100	Aug. 3	7	Jan. 2	28	43.75	9.26	Sept.	0.75	Nov.	2.0	109	137	137	92 sw.
Falls Church	Fairfax	310							20	42.46	11.79	Aug.	0.88	Oct.	14.1	101			
Fredericksburg (near)	Spottsylvania	100	38	57.1	95	July 20	4	Jan. 4	28	39.06	12.08	Aug.	0.48	Oct.	5.9	97	176	100	90 sw.
Hawfield††	Orange	400																	
Lincoln††	Loudoun	500	27	55.2	96	July 20	4	Jan. 2	27	40.15	8.11	June	0.94	Oct.	12.0				s.
Lynchburg	Campbell	681	57	57.3	98	Aug. 6	6	Jan. 2	57	41.94	14.87	Aug.	0.65	Oct.	5.9	117	121	147	98 w.
Massinacac††	Buckingham	350							13										
Mayhurst††	Orange	500	13		99	July 21	9	Jan. 4	13		12.92	Aug.							
Mineral (near)	Louisa	300	13	54.9	96	July 20	-3	Jan. 4	13	44.40	11.70	Aug.	0.47	Oct.	6.0	96			s.
Mount Weather††	Loudoun	1,726	24		88	May 5*	1	Jan. 2	24				1.49	Oct.	27.0				sw.
New Canton	Buckingham	300	34	56.0	95	Aug. 3	1	Jan. 4*	34	52.77	18.65	Aug.	0.81	Nov.	7.5	106	152	138	76 w.
Pedlar Dam††	Amherst		2	53.7	94	May 5	4	Jan. 2	2	40.66	10.54	Aug.	0.86	Nov.	3.7	90			
Powhatan	Powhatan								5	43.13	12.46	Aug.	0.13	Oct.	5.2	100	120	62	184 sw.
Quantico	Prince William	17	28	54.8	93	May 5	3	Jan. 4	28	39.76	15.27	Aug.	0.23	Oct.	6.5	104	85	154	127 nw
Randolph	Charlotte	344							24		9.15	Sept.	0.70	Nov.	3.5				sw.
Rocky Mount	Franklin	1,150	33	56.2	95	July 4	3	Jan. 4	33	50.79	15.11	Aug.	0.69	Nov.	7	89			sw.
Stuart	Patrick	1,188	6	57.1	94	July 4*	3	Jan. 2	6	56.02	16.91	Aug.	0.95	Nov.	1.5	109	139	152	75 w.
Vienna	Fairfax	375							3	41.66	9.69	Aug.	1.02	Oct.	9.5	107	163	131	72
Washington, D. C.		112	58	56.0	97	July 4*	7	Jan. 30	58	43.40	14.41	Aug.	0.67	Oct.	11.3	116	123	120	123 nw.
Means and extremes				56.1	103	Aug. 4	-3	Jan. 4		44.24	18.65	Aug.	0.13	Oct.	7.0	100	150	116	100
The Great Valley																			
Blacksburg	Montgomery	2,170	37	52.0	91	July 21	-3	Jan. 2	37	37.69	8.41	Aug.	0.94	Nov.	17.1	133	177	40	149 w.
Bridgewater	Rockingham	1,100							1		4.25	Aug.							
Buchanan	Botetourt	820	27	56.4	98	Aug. 5	4	Jan. 2	27	44.32	10.92	Aug.	1.21	Nov.	3.0	76	167	54	145 w.
Burkes Garden	Tazewell	3,250	33	50.0	90	Aug. 3	2	Jan. 29	33	38.91	5.62	June	0.55	Dec.	30.0	75	136	60	170 w.
Catawba Sanatorium	Roanoke	2,100	18	54.0	95	Aug. 5	0	Jan. 2	18	47.40	13.12	Aug.	0.75	Nov.	5.7	92	223	95	48 w.
Dale Enterprise	Rockingham	1,350	49	53.4	98	July 20	-1	Jan. 29	49	34.12	8.29	Aug.	1.12	Oct.	25.0	115	135	135	96 s.
Damascus	Washington	1,900							2	40.88	6.21	Aug.	1.04	Dec.	13.6	130	144	121	101 w.
Dante	Russell	2,000	11	53.4	91	Aug. 3	-5	Jan. 2	11	49.97	6.91	Aug.	1.37	Dec.	30.7	157	119	153	94
Emory	Washington	2,100	2						2	47.84	8.04	Aug.	1.31	Dec.	13.6	164	120	180	66 w.
Glenlyn	Giles	1,530							14	42.96	8.43	Aug.	1.16	Feb.	8.9	121			
Hot Springs	Bath	2,195	36	50.5	86	May 4*	-3	Jan. 2	36	36.64	8.62	Aug.	0.55	Dec.	16.9	113	165	134	67
Ivanhoe	Wythe	2,028							22	39.07	10.99	Aug.	0.72	Nov.	2.3	113			
Lexington	Rockbridge	1,060	51	53.3	92	July 19	2	Jan. 4	51	36.27	9.05	Aug.	1.07	Nov.	6.0	99	218	42	106 w.
Marion	Smyth	2,145	7		90	July 11*	-4	Jan. 2*	7		6.81	Aug.							w.
Mendota	Washington	1,350							23	47.38	6.56	Sept.	1.40	Feb.	3.4	136			
Radford	Montgomery	1,773							33	33.61	7.66	Aug.	0.61	Nov.	9.0	117			
Roanoke	Roanoke	907	24	57.0	99	Aug. 3*	5	Jan. 2	24	37.15	9.73	Aug.	0.66	Dec.	3.2	100	180	135	51 sw.
Saltville	Smyth	1,739	5	54.1	95	Aug. 9	-2	Jan. 1	5	47.30	8.20	Aug.	1.70	Dec.	13.1	158	201	45	120 w.
Speers Ferry	Scott	1,221							32	49.39	7.04	Sept.	1.90	Nov.	7.0	121			sw.
Staunton	Augusta	1,380	37	53.8	95	July 17	3	Jan. 2	37	38.48	9.71	Aug.	0.90	Feb.	15.7	93	175	118	73 w.
Winchester	Frederick	717	24		100	July 4*	8	Jan. 3	24	35.11	7.54	June	0.60	Nov.		100			nw.
Woodstock	Shenandoah	927	37	53.8	96	Aug. 4	3	Jan. 4	37	34.19	6.47	June	0.89	Dec.	17.0	111	115	91	160 w.
Wytheville	Wythe	2,304	26	52.0	88	July 19	-4	Jan. 2	26	34.88	5.65	June	0.76	Dec.	17.4	149	99	132	135 w.
Means and extremes				53.4	100	July 4*	-5	Jan. 2		40.16	13.12	Aug.	0.55	Dec.	12.9	118	158	102	106 w.
State means and extremes				55.8	103	Aug. 4	-5	Jan. 2		42.99	18.65	Aug.	0.13	Oct.	9.2	110	151	112	103 sw.

Section and State averages are computed from monthly means. Estimated and incomplete data not considered in 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 stations that have ten or more years of observation.

Reference letters, *, †, ††, appearing in the tables indicate number of days missing; for example, † represents two days, etc.

*Also on other dates.

††Post-office addresses of these stations are as follows: Diamond Springs, Norfolk; Runnymede, Elberon; Hawfield, Rapidan; Lincoln, Purcellville; Massinacac, Guinea Mills; Mayhurst, Orange; Mount Weather, Bluemont; Pedlar Dam, Pleasant View.

T. Precipitation is less than 0.01 inch rain or snow.

Monthly and Annual Precipitation for the Year 1928, 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																										
Ashland	2.08	-0.86	2.24	-0.61	2.69	-0.81	5.99	+2.51	1.78	-2.23	7.91	+3.82	5.94	+0.57	2.64	-2.22	8.90	+6.04	0.97	-2.04	1.47	-0.89	3.98	+0.54	45.74	+2.68
Cape Henry	1.93	-1.22	3.31	0.00	2.65	-1.22	3.80	+0.50	3.10	-0.47	7.05	+3.09	5.94	+0.57	2.64	-2.22	8.90	+6.04	0.97	-2.04	1.47	-0.89	3.98	+0.54	45.74	+2.68
Christchurch	2.13	.....	2.64	.....	2.90	.....	6.14	.....	1.92	.....	6.82	.....	6.17	.....	4.11	.....	7.22	.....	0.44	.....	1.72	.....	2.45	.....	44.66	.....
Dahlgren	2.25	.....	1.84	.....	2.47	.....	5.52	.....	1.51	.....	3.05	.....	3.23	.....	14.97	.....	7.66	.....	1.18	.....	1.08	.....	0.69	.....	45.45	.....
Diamond Springs	2.15	-0.32	3.40	+0.10	2.25	-1.32	5.33	+1.96	4.09	+0.05	7.33	+2.02	6.90	+1.19	2.58	-1.69	15.23	*	1.20	-1.49	1.80	-0.39	6.60	+2.81	58.86	+14.70
Hopewell	2.18	-0.79	2.32	-1.23	2.22	-2.13	4.59	+1.10	1.99	-2.17	6.24	+1.83	3.10	-1.57	5.30	+0.84	6.88	+3.16	0.27	-2.58	1.33	-1.00	1.48	-1.79	37.90	-6.33
Langley Field	1.08	-1.65	2.00	-1.66	1.69	-2.20	3.51	+0.27	2.68	-0.96	4.49	+0.43	3.88	-1.02	2.04	-2.76	9.73	+6.86	1.24	-1.80	1.92	-0.24	3.85	+0.51	44.57	+0.37
Norfolk	1.51	-1.59	2.85	-0.48	2.73	-1.04	4.24	+1.01	2.14	-1.67	7.84	+3.62	4.41	-1.34	2.05	-3.17	9.79	+6.56	1.24	-1.80	1.92	-0.24	3.85	+0.51	44.57	+0.37
Onley	1.54	-1.49	2.85	-1.03	2.17	-1.71	4.55	+1.13	2.29	-0.78	4.22	+1.04	2.75	-1.78	2.66	-2.10	9.33	+6.76	1.31	-1.24	1.57	-0.86	3.87	+0.09	39.11	-1.97
Richmond	2.23	-0.98	1.84	-1.33	2.71	-0.97	6.86	+3.37	1.99	-1.80	7.19	+3.29	1.95	-2.78	8.05	+3.63	7.01	+3.76	0.40	-2.48	1.20	-1.01	1.46	-1.83	42.89	+0.87
Runnymede	1.56	-1.84	2.33	-1.66	3.28	-1.36	5.09	+1.17	2.03	-2.19	6.24	+1.31	3.92	-2.14	5.38	+0.50	10.44	+7.01	1.10	-2.44	1.76	-0.84	2.65	-0.72	45.78	-3.20
Wallaceton (near)	1.32	.....	3.79	.....	3.31	.....	6.83	.....	2.99	.....	6.13	.....	9.47	.....	4.41	.....	10.60	.....	1.65	.....	2.51	.....	4.51	.....	57.62	.....
Warsaw	2.70	-0.51	2.95	-0.45	3.87	-0.02	5.60	+2.33	1.88	-1.62	6.95	+2.77	3.72	-0.87	14.17	+9.97	6.72	+4.01	0.60	-2.47	.....	.....	.....	.....	.....	.....
Williamsburg	2.26	-1.18	3.63	+0.31	2.71	-1.28	4.68	+0.95	1.76	-1.90	5.48	+0.84	2.28	-3.91	3.58	-2.62	9.52	+6.07	0.54	-2.44	1.73	-0.38	3.94	+0.66	41.51	-4.88
Means	1.92	-1.22	2.71	-0.73	2.69	-1.28	5.20	+1.48	2.30	-1.43	6.21	+2.19	4.44	-1.36	5.53	+0.04	9.16	+6.20	0.91	-2.11	1.64	-0.70	3.17	+0.03	45.88	+1.11
Middle Virginia																										
Callville	3.54	0.00	2.62	-1.00	2.31	-2.14	6.30	+2.67	2.33	-1.73	7.35	+3.24	4.69	-1.18	5.67	+0.81	12.13	+8.59	0.72	-2.10	1.30	-0.75	1.86	-1.44	50.82	+4.97
Charlottesville	2.03	-1.39	2.91	0.00	1.91	-1.58	5.54	+2.16	1.43	-3.02	3.74	-1.66	3.92	-0.69	11.97	+7.08	5.26	+1.57	0.41	-2.95	0.95	-1.55	1.45	-1.80	41.55	-3.83
Chatham	2.99	.....	2.44	.....	3.17	.....	4.42	.....	1.11	.....	4.00	.....	3.79	.....	6.65	.....	8.82	.....	1.22	.....	0.82	.....	0.60	.....	.....	.....
Clarendon	2.75	.....	3.07	.....	2.20	.....	4.91	.....	4.63	.....	3.66	.....	4.00	.....	11.95	.....	4.60	.....	0.73	.....	1.48	.....	1.87	.....	45.85	.....
Clarksburg	2.22	-1.39	2.59	-0.65	3.45	-0.34	6.26	+2.95	2.67	-1.53	4.28	+0.01	3.18	-1.24	5.93	+1.28	7.60	+4.55	0.78	-1.87	0.80	-1.59	0.90	-2.46	40.66	-2.28
Columbia	2.85	-0.92	2.22	-0.75	2.40	-1.19	6.44	+2.99	2.67	-1.11	5.31	+1.03	2.83	-1.64	13.30	+8.85	6.08	+2.94	1.07	-1.88	0.81	-1.43	1.09	-2.25	47.07	+4.64
Culpeper	1.10	-2.34	1.53	-0.95	1.94	-0.85	5.57	+2.36	2.87	-1.27	4.63	+0.91	11.74	+7.81	4.62	+1.52	0.56	-1.91	1.40	-1.00	1.79	-1.30	.....	.....	.....	.....
Danville	2.51	-0.92	2.59	-0.68	3.47	-0.06	5.90	+2.63	2.10	-1.78	3.76	-0.24	2.77	-1.41	8.95	+4.37	9.26	+6.09	0.82	-2.05	0.75	-1.43	0.87	-2.39	43.75	+2.13
Falls Church	2.21	.....	3.04	.....	2.20	.....	4.88	.....	4.28	.....	3.34	.....	2.12	.....	11.79	.....	4.29	.....	0.88	.....	1.64	.....	1.79	.....	42.46	.....
Fredericksburg	1.60	-1.80	2.86	-0.54	2.28	-1.33	2.85	-0.70	2.16	-1.86	4.30	-0.27	3.35	-1.01	12.08	+7.37	4.77	+1.49	0.48	-2.58	0.89	-1.39	1.94	-1.21	39.06	-3.83
Lincoln	2.03	-1.08	2.88	+0.49	2.75	-0.30	6.16	+2.89	2.05	-1.48	8.11	+3.08	2.96	-0.52	4.78	+0.49	4.25	+1.56	0.94	-1.95	1.96	-0.18	1.28	-1.62	40.15	+1.38
Lynchburg	2.53	-0.90	2.40	-0.86	1.93	-1.61	4.55	+1.60	0.66	-2.97	2.98	-0.81	3.55	-0.66	14.87	**	6.01	+2.70	0.65	-2.50	0.79	-1.54	1.02	-2.24	41.94	+1.30
Massinacae	2.95	.....	2.71	.....	3.45	.....	7.23	.....	1.09	.....	4.00	.....	3.79	.....	6.65	.....	8.82	.....	1.22	.....	0.82	.....	0.60	.....	.....	.....
Mayhurst	1.80	-1.53	3.02	+0.21	1.99	-1.61	4.68	+1.53	2.01	-2.35	4.68	-0.33	5.76	+1.05	12.92	+8.21	4.25	+1.02	.....	.....	.....	.....	.....	.....	.....	.....
Mineral	2.00	-1.57	2.77	+0.46	1.92	-2.19	4.10	+0.55	1.70	-1.98	5.85	+1.65	3.91	-1.31	11.70	+7.50	7.71	+5.07	0.47	-1.46	1.09	-1.01	1.18	-1.59	44.40	+4.12
Mount Weather	1.73	-1.39	2.21	+0.14	1.94	-0.70	5.58	+2.31	2.09	-1.74	6.84	+1.86	3.26	-1.01	.....	.....	3.21	+0.10	1.49	-1.84	1.57	-0.60	1.44	-1.33	.....	.....
New Canton	2.38	-1.24	2.71	-0.35	2.83	-1.20	5.57	+2.31	1.36	-2.18	8.46	+2.71	3.16	-0.74	13.65	†	6.60	+3.21	0.85	-2.10	0.81	-1.51	1.48	-1.61	52.77	+11.29
Pedlar Dam	2.57	.....	2.57	.....	1.74	.....	4.12	.....	1.03	.....	3.64	.....	4.65	.....	10.54	.....	5.44	.....	1.12	.....	0.86	.....	2.38	.....	40.66	.....
Powhatan	1.80	.....	1.82	.....	2.43	.....	5.95	.....	1.09	.....	5.70	.....	2.65	.....	12.46	.....	6.97	.....	0.13	.....	0.86	.....	1.27	.....	43.13	.....
Quantico	1.64	-1.51	2.20	-0.36	2.00	-1.45	4.41	+1.49	2.31	-1.00	3.81	-0.32	1.84	-2.17	15.27	‡	3.32	+0.47	0.23	-2.66	0.93	-0.96	1.80	-1.09	39.76	+1.30
Randolph	3.11	-0.61	2.44	-0.66	3.32	-0.40	5.82	+2.86	1.14	-2.93	4.11	+0.39	.....	.....	7.81	+4.04	9.15	+6.55	0.74	-2.08	0.70	-1.47	1.15	-2.06	.....	.....
Rocky Mount	2.54	-0.87	3.10	-0.26	3.62	-0.39	3.70	+0.27	1.75	-2.23	3.36	-1.29	5.26	+0.36	15.11	||	9.48	+5.94	1.82	-2.28	0.69	-1.84	0.86	-2.67	50.79	+5.67
Stuart	1.90	.....	2.56	.....	3.43	.....	5.40	.....	3.47	.....	4.17	.....	3.55	.....	16.91	.....	10.92	.....	1.76	.....	0.95	.....	1.20	.....	56.02	.....
Vienna	2.94	.....	2.93	.....	2.18	.....	5.10	.....	3.86	.....	3.91	.....	2.04	.....	9.69	.....	4.34	.....	1.02	.....	1.78	.....	1.87	.....	41.66	.....
Washington, D. C.	2.63	-0.75	2.69	-0.73	2.17	-1.68	4.49	+1.25	4.00	+0.30	2.66	-1.47	2.17	-2.54	14.41	§	4.29	+1.05	0.67	-2.17	2.01	-0.36	1.21	-2.11	43.40	+1.19
Means	2.33	-1.19	2.58	-0.38	2.52	-1.12	5.20	+1.89	2.23	-1.82	4.64	+0.47	3.47	-0.86	11.53	-7.19	6.39	-3.20	0.83	-2.15	1.12	-1.16	1.40	-1.82	44.24	+2.25
Great Valley																										
Blacksburg	2.02	-1.32	1.74	-1.43	2.82	-0.80	3.28	+0.25	2.50	-1.36	4.29	-0.19	2.20	-3.03	8.41	+4.48	6.62	+3.43	1.84	-1.10	0.94	-1.33	1.03	-2.03	37.69	-4.43
Bridgewater	1.69	.....	2.50	.....	1.85	.....	4.12	.....	1.95	.....	2.59	.....	3.15	.....	4.25	.....	3.71	.....	0.67	.....	.....	.....	.....	.....	.....	.....
Broadway	0.89	.....	1.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Buchanan	3.08	-0.61	1.66	-1.03	2.07	-0.75	3.91	+1.31	1.54	-2.83	5.17	+1.07	3.93	-0.03	10.92	+6.82	8.05	+4.53	1.44	-1.96	1.21	-0.88	1.34	-1.93	44.32	+4.21
Burkes Garden	2.06	-1.57	1.78	-1.90	4.61	-																				

Monthly and Annual Mean Temperatures for the Year 1928, with Departures from the Normal

	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
Stations	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																										
Ashland	36.9	+0.3	37.6	+0.6	44.2	-3.0	52.4	-3.6	61.5	-3.6	70.6	-1.9	77.5	0.0	78.2	+1.3	69.6	-2.2	64.2	+2.1	53.0	+0.9	43.2	-0.5	59.2	+0.6
Cape Henry	41.2	+1.0	43.4	+2.2	48.0	+1.4	56.0	+1.4	63.0	-1.2	73.0	+0.1	77.5	0.0	78.2	+1.3	69.6	-2.2	64.2	+2.1	53.0	+0.9	43.2	-0.5	59.2	+0.6
Christchurch	40.8	.....	41.2	.....	47.6	.....	56.0	.....	63.0	.....	73.4	.....	78.0	.....	78.2	.....	66.8	.....	62.4	.....	51.4	.....	41.6	.....	58.8	.....
Dahlgren	35.4	.....	37.0	.....	44.4	.....	53.0	.....	61.2	.....	71.0	.....	77.4	.....	78.0	.....	66.6	.....	59.4	.....	48.4	.....	37.2	.....	55.6	.....
Diamond Springs	43.6	+1.2	44.2	+1.5	50.2	+0.2	57.0	-1.0	64.0	-1.7	72.4	-1.6	77.2	-0.2	77.9	+1.3	69.2	-3.2	63.8	+1.2	53.5	+2.1	44.4	+1.2	69.8	+0.1
Hopewell	41.2	+1.8	42.6	+2.8	49.2	+0.3	57.0	-0.5	67.0	-1.1	74.8	+1.4	79.8	+3.8	78.9	+1.7	68.8	-5.2	61.4	+1.6	51.0	+2.1	41.5	+0.9	59.3	+0.8
Langley Field	40.6	0.0	42.8	+2.3	47.9	-0.4	56.0	-0.2	64.2	-0.7	73.6	-1.2	78.2	-0.6	79.4	+1.4	68.7	-3.5	61.4	+1.6	51.6	+1.4	41.8	+0.7	59.6	.....
Norfolk	41.2	+0.6	43.6	+0.9	48.6	+0.4	56.6	-0.2	64.8	-1.4	73.8	-0.6	79.0	+0.6	79.4	+2.0	69.8	-1.8	64.6	+2.1	52.3	+0.9	44.6	+1.5	59.9	+0.4
Onley	39.2	+1.2	40.5	+0.4	46.0	+0.4	53.9	+0.1	62.6	+0.3	72.2	-0.2	78.0	+0.4	78.4	+2.9	67.5	-2.6	61.2	+0.6	51.0	+2.1	42.1	+1.0	57.7	+0.4
Richmond	38.9	+1.0	40.4	+0.8	47.4	+0.2	54.2	+2.4	64.1	-2.4	72.8	-1.3	78.4	-0.1	78.0	+1.5	65.8	-4.7	61.4	+1.8	50.4	+2.1	41.0	+1.2	57.7	-0.2
Runnymede	41.2	+1.5	42.4	+2.8	50.0	+1.4	54.2	-2.3	64.0	-1.9	72.7	-0.6	77.9	+0.4	77.8	+2.1	66.2	-3.7	61.4	+2.5	50.4	+1.4	39.7	-1.2	58.2	+0.3
Warsaw	.....	.....	.....	.....	45.1	-1.0	54.6	-0.3	62.2	-2.6	71.0	-1.6	75.4	-0.6	74.8	-0.3	65.6	-3.7	59.7	+1.5	.....	.....	.....	.....	.....	.....
Williamsburg	.....	.....	42.0	+1.2	48.4	-0.5	55.4	-1.7	64.6	-0.4	73.3	+0.5	78.2	+1.4	78.5	+3.0	66.5	-3.4	61.8	+1.8	51.2	+2.7	41.4	+0.5	.....	.....
Means	40.0	+1.0	41.5	+1.6	47.5	-0.1	55.1	-1.0	63.6	-1.6	72.7	-0.6	78.1	+0.5	78.2	+1.7	67.3	-3.4	61.9	+1.7	51.3	+1.6	41.7	+0.6	58.2	+0.2
Middle Virginia																										
Callville	39.1	+0.3	40.3	+1.4	47.2	-1.6	53.6	-2.9	63.6	-1.9	73.4	+0.2	78.4	+1.5	78.6	+2.9	65.9	-4.2	61.0	+1.8	49.2	+0.7	38.6	-1.7	57.4	-0.3
Charlottesville	38.8	+2.8	39.0	+2.3	45.7	-0.8	52.4	-3.7	64.2	-1.5	70.4	-2.3	77.3	+1.1	76.4	+1.8	64.7	-4.2	60.0	+1.5	50.0	+2.8	40.0	+2.0	56.6	+0.1
Chatham	39.6	.....	40.4	.....	48.0	.....	53.3	.....	64.6	.....	72.8	.....	80.2	.....	77.6	.....	65.2	.....	60.1	.....	49.3	.....	40.5	.....	57.6	.....
Clarksville	35.6	.....	36.6	.....	46.6	.....	54.1	.....	65.6	.....	74.4	.....	79.8	.....	78.4	.....	66.2	.....	60.3	.....	48.5	.....	36.6	.....	56.9	.....
Columbia	38.1	+1.5	38.2	+1.1	46.1	-0.9	52.3	-3.0	63.6	-1.2	70.7	-1.4	76.7	+1.1	76.3	+2.1	64.5	-3.7	58.4	+0.8	47.9	+1.6	37.0	-0.7	55.8	-0.2
Culpeper	36.4	+2.7	37.8	+2.3	45.2	+0.1	52.6	-2.2	62.6	-1.3	70.5	-1.3	75.8	+0.7	74.8	+1.6	63.0	-4.3	58.2	+2.2	47.4	+3.1	36.4	+0.7	55.1	+0.4
Danville	40.8	+1.9	41.6	-0.8	50.2	-1.0	55.7	-3.5	66.6	-0.6	74.6	-2.3	80.9	+1.7	79.8	+1.7	67.4	-4.8	61.9	+0.7	51.1	+1.6	41.8	+0.1	59.4	-0.4
Fredericksburg	39.1	+2.8	40.8	+4.6	46.5	-0.2	54.1	-1.1	63.6	-1.2	72.2	-0.1	77.2	+0.8	76.4	+1.6	65.2	-3.8	60.2	+2.4	50.0	+3.2	39.6	+2.2	57.1	+1.0
Lincoln	36.8	+4.8	36.9	+4.2	42.9	-0.2	51.0	-2.6	62.2	-1.5	70.0	-1.4	77.6	+1.6	75.6	+2.0	64.3	-3.8	58.8	+2.0	48.0	+3.4	38.8	+5.0	55.2	+1.1
Lynchburg	39.2	+1.7	40.6	+0.2	47.5	+0.2	53.2	-4.1	64.4	-2.9	71.8	-2.8	77.8	+0.3	77.4	+1.8	64.8	-4.2	60.1	+1.6	49.8	+2.6	40.6	+1.1	57.3	-0.3
Mayhurst	40.2	+4.3	42.0	+5.8	48.4	+1.6	55.6	-0.2	65.6	+1.6	72.9	+0.4	80.2	+4.1	78.0	+3.4	66.2	-3.0	.....	.....	.....	.....	.....	.....	.....	.....
Mineral	39.0	+5.6	38.0	+4.4	44.6	-2.0	52.4	-0.5	61.4	-0.5	69.6	-1.1	75.2	+0.8	75.1	+2.1	63.0	-4.4	57.6	+2.8	47.4	+2.6	35.8	-0.7	54.9	+0.6
Mount Weather	31.8	+1.7	32.0	+2.5	38.1	-1.2	46.6	-2.8	59.8	+0.8	65.2	-1.8	72.4	+1.6	.....	.....	60.6	-3.7	54.8	+3.1	42.2	+0.4	34.9	+2.9	.....	.....
New Canton	39.0	+2.6	39.2	+1.9	46.4	-0.8	53.0	-2.6	62.3	-2.5	70.2	-2.2	75.6	+0.6	75.7	+1.1	63.5	-7.8	58.7	+1.4	49.8	+3.2	38.6	+0.7	56.0	-0.5
Pedlar Dam	36.3	.....	37.8	.....	45.4	.....	49.8	.....	61.0	.....	66.6	.....	73.0	.....	72.0	.....	61.5	.....	55.5	.....	46.0	.....	39.3	.....	53.7	.....
Quantico	35.0	+0.3	37.2	+2.2	43.2	-2.4	51.6	-2.9	61.2	-2.8	70.2	-2.4	76.2	-1.1	75.2	+0.9	63.6	-4.8	58.3	+1.1	48.6	+3.6	36.8	+0.8	54.8	-0.6
Rocky Mount	38.8	+1.1	39.0	+0.9	47.4	0.0	53.2	-2.9	64.4	-0.4	70.1	-2.2	77.0	+2.0	74.9	+1.0	63.8	+5.2	58.0	+0.9	48.6	+1.2	39.0	0.0	56.2	-0.3
Stuart	39.6	.....	40.2	.....	48.0	.....	52.5	.....	65.0	.....	70.8	.....	76.8	.....	75.7	.....	64.9	.....	59.8	.....	49.2	.....	42.6	.....	57.1	.....
Washington, D. C.	35.9	+2.5	37.7	+2.4	44.1	+1.5	51.9	-1.4	63.1	-0.6	71.0	-1.2	78.2	+1.4	77.0	+2.0	64.9	-3.2	59.9	+2.5	49.4	+4.2	39.2	+2.6	56.0	+1.0
Means	37.8	+2.4	38.7	+2.4	45.9	-0.5	52.6	-2.5	63.5	-1.1	70.9	-1.5	77.2	+1.1	76.4	+1.9	64.4	-4.3	59.0	+1.8	48.4	+2.4	38.9	+1.1	56.1	+0.3
Great Valley																										
Blacksburg	33.8	+0.9	35.0	+1.7	42.8	-0.2	48.8	-1.9	58.3	-1.6	65.8	-2.0	72.2	+1.5	71.8	+2.1	61.0	-3.3	54.9	+1.6	43.6	+1.2	36.3	+1.8	62.0	+0.1
Buchanan	37.8	+2.7	39.6	-0.8	47.0	-1.3	53.6	-2.3	63.6	-0.8	71.2	-1.2	76.4	+1.0	76.8	+2.5	64.4	-5.7	60.0	+1.0	48.1	+1.8	38.9	+0.5	56.4	-0.3
Burkes Garden	35.9	+4.4	34.0	+2.7	40.2	-0.7	46.4	-1.1	55.0	-1.8	64.0	+0.2	68.8	+2.3	70.1	+4.4	58.6	-1.6	52.9	+3.4	40.4	+0.4	33.6	+1.4	50.0	+0.2
Catawba Sanatorium	36.4	+0.3	37.3	-0.8	45.8	0.0	50.7	-3.9	61.4	-0.9	67.4	-2.7	73.1	+1.1	73.7	+2.2	62.5	-3.8	57.8	+1.0	47.0	+1.0	39.4	+1.1	54.0	-0.4
Dale Enterprise	35.2	+2.2	38.3	+4.1	43.6	+0.6	50.3	-2.2	60.2	-2.1	67.0	-3.3	73.4	-0.2	72.4	+0.4	61.6	-4.9	56.6	+1.3	45.6	+1.9	36.6	+1.6	53.4	0.0
Dante	33.9	-0.8	37.4	-1.8	44.3	-1.8	50.3	-4.0	60.1	-0.8	66.1	-3.2	71.8	+0.6	73.0	+2.0	61.8	-5.4	57.8	+1.4	45.0	+0.2	38.8	+0.8	53.4	-1.4
Emory	33.4	.....	36.6	.....	43.1	.....	58.6	.....	65.8	.....	72.0	.....	73.0	.....	73.0	.....	60.8	.....	56.8	.....	44.0	.....	36.7	.....	.....	.....
Hot Springs	32.1	+0.6	34.2	+2.5	41.0	-1.3	47.4	-2.7	58.0	-1.7	64.8	-2.1	69.2	0.0	70.4	+2.2	58.4	-4.1	53.7	+1.3	41.8	-0.9	35.4	+1.6	50.5	-0.4
Lexington	35.4	+1.4	37.2	+1.9	43.8	-0.3	49.8	-3.4	60.2	-2.5	67.6	-3.1	74.2	-0.2	74.0	+1.0	63.0	-3.5	55.0	-0.3	43.7	+0.2	35.7	+0.3	53.3	-0.7
Marion	34.0	+0.1	36.7	+0.9	44.2	+0.4	50.0	-2.4	58.8	-3.5	66.6	-3.4	72.8	+0.3	74.0	+2.7	62.0	-3.3	57.6	+4.9	.....	.....	.....	.....	.....	.....
Roanoke	39.4	+2.3	40.2	+2.4	44.0	-3.8	53.8	-2.6	64.2	+2.6	71.8	0.0	77.8	+2.5	77.2	+3.0	65.4	-2.3	60.2	+3.0	49.2	+2.8	41.2	+2.7	57.0	+1.0
Saltville	33.2	.....	37.2	.....	43.6	.....	50.4	.....	60.6	.....	68.7	.....	75.1	.....	76.0	.....	63.4	.....	58.9	.....	44.8	.....	37.6	.....	51.1	.....
Staunton	36.6	+1.2	37.1	+2.2	43.7	-0.8	49.8	-3.6	60.0	-3.6	67.8	-2.7	75.6	+1.6	73.8	+0.7	61.7	-5.5	56.1	-0.2	47.0	+1.6	36.6	-0.1	53.8	-0.8
Winchester	36.0	+4.8	36.7	+2.6	45.0	+2.1	52.4	-0.9	63.2	0.0	67.6	-4.9	78.6	+2.6	75.2	+4.8	64.6	-2.8	57.6	+1.5	47.2	+2.3	.....	.....	.....	.....
Woodstock	37.0	+3.9	37.8	+4.7	45.1	+1.1	51.6	-1.0	61.7	-1.4	68.4	-1.7	73.8	-1.2												