

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, Chief

In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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VOL. XXXVI BALTIMORE, MD., YEAR 1931 No. 13

GENERAL SUMMARY

This was the warmest year in a decade and the third warmest of record. The mean temperature, 2° warmer than normal, was but 0.6° less than in 1921, the warmest year of record, and 0.1° less than in 1913, the second warmest year. The maximum temperature was not unusually high, being 103° on July 1, at Cumberland; nor was the minimum temperature unusually low, being -8° on January 22, at Oakland. January, February, and October were mild; March was cold; April was cool; May was slightly cooler than normal; June and August were slightly warmer than normal; July and September were very warm; November and December were exceptionally mild, November being the mildest such month of record. September to December, inclusive, produced a mean temperature 5.4° above normal.

Annual precipitation averaged 95 per cent of normal and was 14.9 inches greater than in 1930, the driest year of record. The excess over 1930 was due to an unusual number of heavy showers and rains, spaced at intervals beneficial to crops. Aside from these, rainfall was less than in 1930. Seventy-eight per cent of the annual precipitation occurred from March to September, inclusive. The very severe drought that began in December, 1929, terminated in February, 1931. During this 15-month period precipitation totaled but 29.58 inches, which is 21.51 inches less than the normal, or 58 per cent of the normal. Precipitation was markedly deficient in January, February, October, and November; somewhat deficient in April, June, September, and December. It was abundant in March, somewhat abundant in July, and exceptionally so in August. Springs and wells improved during the second half of March, but were low again from August to December.

Snowfall was very light, except well above normal in March and normal in April. The annual amount was 47 per cent of normal. The only heavy snowstorm was at night of March 16-17, and embraced the central and eastern divisions.

Sunshine was abundant in January, June, September, and October; deficient in March, May, August, and December; and near normal in February, April, July, and November.

Yields of crops, fruits, and hay were good to excellent, except the late potato crop was light. The peach crop was very heavy on Eastern Shore. -J. B., jr.

CONDENSED SUMMARY OF CLIMATOLOGICAL DATA, 1931.

Months	Temperature			Precipitation			Number of days				Prevailing direction of wind
	Mean	Highest	Lowest	Average	Greatest in 24 hours	Snowfall	With 0.01 inch or more of precipitation	Clear	Fairly cloudy	Cloudy	
January	34.6	66	-8	1.68	1.88	1.4	5	13	10	8	nw.
February	36.6	65	7	1.67	1.15	0.7	8	13	5	10	nw.
March	39.3	65	14	4.38	1.90	7.4	13	7	10	14	nw.
April	51.4	84	18	3.08	2.02	1.4	9	15	6	9	nw.
May	62.3	95	23	4.50	2.31	T.	13	10	12	9	sw.
June	73.8	102	35	3.43	4.00	0.0	12	15	11	10	sw.
July	77.6	108	44	4.53	4.42	0.0	15	18	8	4	sw.
August	73.8	101	40	7.70	5.50	0.0	15	19	11	10	sw.
September	72.2	100	30	2.54	3.30	0.0	8	18	8	4	sw.
October	59.3	91	22	1.78	1.85	T.	6	17	9	5	sw.
November	51.8	80	16	0.94	1.02	0.8	6	11	10	9	sw.
December	42.8	72	9	2.45	2.00	0.6	8	10	9	12	nw.

KILLING FROSTS, 1931.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
<i>Maryland.</i>					
Aberdeen	Apr. 30	Nov. 7	Millington	Apr. 30	Oct. 19
Annapolis	Apr. 30	Nov. 7	Oakland	May 4	Sept. 29
Baltimore	Apr. 30	Nov. 7	Picardy	Apr. 30	Oct. 13
Bell	Apr. 30	Oct. 13	Pleasant Hill	Apr. 30	Oct. 13
Boyd's	Apr. 30	Oct. 13	Pocomoke City	Apr. 30	Oct. 19
Cambridge	Apr. 30	Nov. 5	Princess Anne	Apr. 30	Oct. 19
Cecilton	Apr. 30	Nov. 7	Ridgely	Apr. 30	Nov. 7
Cheltenham	Apr. 30	Nov. 5	Rock Hall	Apr. 30	Nov. 7
Chesville	May 4	Oct. 13	Salisbury	Apr. 30	Nov. 7
Coleman	Apr. 30	Nov. 7	Sinos	May 4	Sept. 30
College Park	Apr. 30	Oct. 13	Solomons	Apr. 30	Nov. 7
Crisfield	Apr. 30	Nov. 7	State Sanatorium	Apr. 30	Nov. 7
Cumberland	Apr. 30	Oct. 13	Stevensville	Apr. 30	Nov. 7
Darlington	Apr. 30	Oct. 13	Takoma	Apr. 30	Nov. 7
Easton	Apr. 30	Nov. 5	Towson	Apr. 30	Nov. 7
Elkton	Apr. 30	Oct. 13	Western Port	May 4	Oct. 13
Emmitsburg	Apr. 30	Nov. 7	Westminster	Apr. 30	Oct. 13
Fallston	Apr. 30	Nov. 7	Woodstock	Apr. 30	Oct. 13
Ferry Landing	Apr. 30	Nov. 7	<i>District of Columbia.</i>		
Frederick	Apr. 30	Oct. 13	Washington	Mar. 21	Nov. 7
Friensburg	May 4	Oct. 13	<i>Delaware.</i>		
Frostburg	Apr. 30	Oct. 13	Bridgeville	Apr. 30	Nov. 5
Grantsville	May 4	Sept. 29	Delaware City	Apr. 30	Nov. 7
Great Falls	Apr. 30	Oct. 13	Dover	Apr. 30	Nov. 7
Hancock	May 4	Oct. 13	Milford	Apr. 30	Nov. 5
Keedysville	Apr. 30	Oct. 13	Milstone	Apr. 30	Nov. 5
La Plata	Apr. 30	Nov. 5	Wilmington	Apr. 30	Nov. 7
Laurel	Apr. 30	Oct. 13			
Lutherville	Apr. 30	Oct. 13			
Maryland Line	Apr. 30	Nov. 7			
Mechanicsville	Apr. 30	Nov. 5			

COMPARATIVE DATA FOR MARYLAND AND DELAWARE

Years	Temperature				Precipitation						
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest local	Least local	Greatest in 24 hours	Snowfall	Number of days with 0.01 inch or more
1895	52.6	-1.3	102	-18	34.47	-7.03	42.07	14.42	4.80	29.0	94
1896	54.0	+0.1	103	-13	37.11	-4.39	64.94	30.18	4.50	23.0	92
1897	53.6	-0.3	102	-12	44.97	+3.47	63.85	32.56	14.75	18.4	109
1898	54.9	+1.0	109	-20	42.11	+0.61	65.77	32.59	5.93	21.6	109
1899	53.5	-0.4	102	-26	40.84	-0.66	51.38	28.69	5.35	40.3	98
1900	55.0	+1.1	106	-15	36.66	-4.34	62.19	28.21	5.53	26.9	83
1901	52.6	-1.3	106	-15	45.08	+3.58	70.87	34.63	5.45	18.7	99
1902	53.6	-0.3	104	-17	49.20	+7.70	61.38	33.75	6.00	33.3	105
1903	53.3	-0.6	100	-12	46.24	+5.44	73.72	36.58	6.00	17.9	106
1904	51.2	-2.7	102	-20	36.49	-5.01	50.26	25.72	5.90	41.8	96
1905	53.3	-0.6	104	-20	43.84	+2.34	64.61	31.88	4.65	36.1	106
1906	54.6	+0.7	101	-15	48.01	+6.51	62.92	36.10	8.68	20.7	123
1907	52.2	-1.7	99	-29	48.86	+7.36	66.59	37.55	5.00	34.6	121
1908	54.1	+0.2	102	-21	40.01	-1.49	52.50	31.63	7.93	32.5	101
1909	54.0	+0.1	99	-5	37.47	-4.03	50.45	28.30	3.80	30.0	105
1910	53.8	-0.1	99	-15	37.42	-4.08	52.45	26.74	7.19	34.5	109
1911	54.9	+1.0	106	-5	43.61	+2.11	55.58	33.62	7.35	23.2	119
1912	53.3	-0.6	102	-40	43.42	+1.92	62.68	35.50	6.07	32.2	112
1913	56.1	+2.2	102	-6	38.98	-2.52	48.96	25.41	4.05	6.1	103
1914	53.4	-0.5	102	-21	35.97	-5.53	43.32	29.35	3.81	37.2	98
1915	54.1	+0.2	103	-6	43.58	+2.08	59.39	28.82	5.11	23.1	107
1916	53.2	-0.7	101	-11	40.47	-1.03	49.72	26.14	6.00	28.5	112
1917	51.3	-2.6	102	-32	40.65	-0.85	54.22	27.17	4.52	35.7	110
1918	53.8	-0.1	109	-30	37.96	-3.54	46.95	28.88	4.50	31.4	98
1919	54.9	+1.0	105	-19	47.62	+6.12	60.84	30.69	9.02	11.9	114
1920	53.3	-0.6	98	-10	44.95	+3.45	56.29	32.49	4.30	20.0	113
1921	55.6	+2.7	102	-15	37.72	-3.78	54.12	28.89	5.60	20.5	114
1922	55.0	+1.1	100	-15	40.15	-1.45	55.65	24.39	6.75	34.8	111
1923	54.4	+0.5	102	-9	40.27	-1.23	50.38	31.47	5.17	22.0	115
1924	52.6	-1.3	103	-13	46.26	+4.76	62.70	37.41	4.53	30.5	111
1925	54.6	+0.7	104	-31	34.91	-6.69	48.37	27.87	5.25	33.0	112
1926	52.8	-1.1	107	-16	43.90	+2.40	54.02	32.08	6.54	24.6	123
1927	54.4	+0.5	100	-5	40.37	-1.13	53.56	27.69	3.92	15.3	125
1928	54.0	+0.1	100	-11	45.09	+3.59	55.38	34.92	11.65	25.4	118
1929	54.4	+0.5	102	-13	42.46	+0.94	55.60	33.03	4.58	20.0	117
1930	55.0	+1.1	110	-20	23.73	-17.72	33.62	17.76	3.25	22.4	94
1931	56.0	+2.0	103	-8	38.68	-2.25	47.90	29.91	5.50	12.3	111

Climatological Data for the Year 1931

Stations	Counties	Elevation, feet	Temperature, degrees Fahrenheit						Precipitation						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 rainy days	Number of clear days	Number of partly cloudy days		Number of cloudy days
<i>Maryland</i>																				
Aberdeen	Harford	80	13	55.8	97	Aug. 1	10	Jan. 10	13	34.91	7.95	Aug.	0.83	Sept.	5.5	106	112	111	142	s.
Annapolis	Anne Arundel	45	66	57.7	96	July 30	14	Jan. 16	58	42.30	9.61	Aug.	1.09	Nov.	8.5	105	147	107	111	se.
Baltimore (U.S.W.B.)		115	61	59.2	101	July 1	19	Jan. 16	61	39.57	7.98	Aug.	1.13	Nov.	12.5	110	127	115	123	sw.
Bell	Prince Georges	151	11	55.8	99	Aug. 3	5	Jan. 16	11	38.14	9.36	Aug.	0.88	Nov.	6.8	107	155	114	96	nw.
Boys	Montgomery	424	12	55.1	98	June 20*	7	Jan. 16	12	33.11	4.99	Aug.	0.87	Nov.	4.9	122	170	109	86	sw.
Cambridge (near)	Dorchester	25	38	57.8	96	July 1	13	Jan. 16	38	46.04	14.49	Aug.	1.59	Nov.	8.5	85	289	81	95	nw.
Cecilton	Cecil	85	13	56.7	98	July 1*	15	Jan. 16	13	37.11	8.81	Aug.	0.67	Nov.	11.5	89	169	89	107	sw.
Cheltenham	Prince Georges	230	31	57.3	99	July 1	10	Jan. 16	31	42.74	8.37	Aug.	1.04	Nov.	11.0	108	162	112	91	nw.
Cheswille	Washington	530	34	54.3	97	July 1	10	Jan. 16	34	38.35	7.84	July	0.59	Nov.	9.9	130	146	136	83	nw.
Coleman	Kent	80	32	57.2	100	July 1	15	Jan. 16	34	43.76	13.23	Aug.	0.81	Nov.	9.0	85	173	96	96	sw.
College Park	Prince Georges	87	44	57.0	100	Aug. 3*	7	Jan. 16	44	34.98	7.87	Aug.	0.94	Sept.	5.0	120	160	112	93	nw.
Crisfield	Somerset	5	12	59.0	95	July 30	.....	.....	12	40.02	9.16	Aug.	0.60	Nov.	8.0	88	167	112	86	sw.
Cumberland	Allegany	623	48	57.1	103	July 1	11	Jan. 16	59	34.38	6.31	July	0.56	Nov.	6.8	132	151	135	79	nw.
Darlington	Harford	300	41	55.0	98	June 20*	7	Jan. 16	40	40.41	9.05	Aug.	0.80	Nov.	7.4	87	139	121	105	sw.
Easton	Talbot	35	41	57.4	98	July 30*	14	Jan. 16	41	47.02	12.99	Aug.	0.81	Nov.	14.5	100	182	90	93	sw.
Elkton	Cecil	23	5	55.7	99	July 1	9	Jan. 16	5	34.21	8.63	Aug.	0.70	Nov.	9.0	91	176	85	104	sw.
Emmitsburg	Frederick	720	63	55.9	.....	.....	11	Jan. 2	62	40.24	5.57	Mar.	0.85	Nov.	16.5	100	159	110	36	w.
Fallston	Harford	450	62	55.6	98	Aug. 3	9	Jan. 16	62	35.71	6.04	Aug.	1.00	Nov.	14.1	113	129	140	96	sw.
Ferry Landing	Calvert	110	15	56.8	100	July 1	11	Jan. 16	15	39.96	10.69	Aug.	0.80	Nov.	9.5	94	166	109	90	nw.
Frederick	Frederick	275	57	57.4	102	July 1	16	Jan. 16	57	36.78	5.25	Aug.	0.83	Nov.	4.7	108	160	122	83	sw.
Friendsville	Garrett	1,501	13	50.9	94	July 2	-2	Jan. 22	13	47.90	6.43	Aug.	1.74	Jan.	45.7	144	107	113	145	.....
Frustburg	Allegany	1,929	27	53.6	98	June 30*	8	Jan. 22	30	36.03	6.96	May	0.82	Oct.	19.8	126	143	132	90	w.
Grantsville	Garrett	1,351	38	49.2	92	July 2	-2	Jan. 22	38	45.83	6.68	July	1.74	Oct.	52.0	174	95	134	136	w.
Great Falls	Montgomery	200	34	58.2	100	June 20*	7	Jan. 2	42	30.60	4.88	Aug.	0.47	Nov.	4.0	109	153	125	87	sw.
Hancock (Tonoloway)	Washington	455	20	54.9	100	July 1	6	Jan. 2	21	33.20	4.95	May	0.53	Nov.	5.5	111	170	119	76	.....
Hancock (City)	do	421	.....	.....	.....	.....	.....	.....	7	29.91	5.30	May	0.34	Nov.	5.5	108	.....	.....	.....	.....
Keedysville	do	400	28	56.3	100	June 20	9	Jan. 2	27	37.65	8.48	July	0.52	Nov.	5.2	115	158	121	86	nw.
La Plata	Charles	190	12	57.2	98	July 1	9	Jan. 2	12	34.54	7.62	July	1.00	Nov.	8.0	113	167	109	89	s.
Laurel	Prince Georges	320	37	56.4	98	Aug. 3*	9	Jan. 16	37	39.04	9.31	Aug.	1.08	Sept.	5.9	122	161	105	99	.....
Lutherville	Baltimore	340	5	55.6	101	July 1*	7	Jan. 2	5	35.91	6.81	Aug.	0.86	Nov.	13.2	114	146	119	100	sw.
Maryland Line	Baltimore	840	7	54.9	98	July 1	9	Jan. 16	7	34.52	7.38	Aug.	0.62	Nov.	8.5	100	153	120	92	w.
Mechanicsville	St. Marys	165	.....	.....	.....	.....	.....	.....	5	44.43	8.63	Aug.	0.97	Nov.	14.5	92	173	100	92	sw.
Millington	Kent	27	34	56.9	99	Sept. 11	12	Jan. 2	33	40.72	10.62	Aug.	0.99	Nov.	9.0	103	173	89	103	w.
Oakland	Garrett	2,461	32	49.8	93	July 1*	-8	Jan. 22	32	45.86	6.98	May	1.66	Jan.	46.8	166	101	132	132	w.
Parkton (Prettyboy Dam)	Baltimore	780	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Picardy	Allegany	900	5	55.3	99	June 20	10	Jan. 16	5	32.10	5.49	Aug.	0.54	Nov.	5.5	102	152	138	75	w.
Pleasant Hill	Baltimore	660	.....	.....	.....	.....	.....	.....	7	33.93	5.84	Aug.	0.82	Nov.	13.1	101	152	120	93	nw.
Pocomoke City	Worcester	37	.....	.....	.....	.....	.....	.....	26	36.85	8.95	Aug.	0.71	Nov.	8.0	92	172	107	86	.....
Princess Anne	Somerset	17	56	56.1	95	Sept. 21	8	Jan. 16	38	42.41	8.78	Aug.	0.52	Nov.	8.5	102	156	115	94	sw.
Ridgely	Caroline	57	10	57.4	99	Aug. 3*	15	Jan. 16	10	39.61	9.01	Aug.	1.20	Nov.	13.0	97	161	103	101	sw.
Rock Hall	Kent	25	17	57.2	97	July 1*	11	Jan. 16	16	39.28	8.17	Aug.	1.03	Nov.	12.0	100	166	111	88	nw.
Salisbury	Wicomico	23	26	58.4	97	July 30*	13	Jan. 16	26	40.71	10.45	Aug.	0.75	Nov.	7.5	95	199	86	89	sw.
Sines (Deep Creek)	Garrett	2,040	4	48.3	94	July 30	-4	Jan. 22	4	46.81	5.98	May	1.78	Jan.	51.2	172	96	120	149	.....
Solomons	Calvert	20	40	58.8	99	July 1	.....	.....	40	44.76	11.10	Aug.	0.98	Nov.	11.5	87	174	95	96	nw.
State Sanatorium	Frederick	1,460	23	55.0	98	Aug. 8	11	Jan. 15*	23	38.46	6.17	July	0.86	Nov.	20.5	97	152	116	97	.....
Stevensville	Queen Annes	12	5	58.4	98	July 1*	17	Jan. 16	5	40.23	8.85	Aug.	1.18	Nov.	12.0	94	149	126	90	sw.
Takoma	Montgomery	320	33	57.1	97	Aug. 3	11	Jan. 2	33	29.30	6.44	Aug.	0.91	Sept.	4.0	114	125	115	124	.....
Towson	Baltimore	465	.....	.....	.....	.....	.....	.....	19	36.48	6.94	Aug.	0.94	Nov.	14.6	109	127	115	123	.....
Western Port	Allegany	1,000	38	55.8	100	July 1	10	Jan. 16*	38	38.79	7.64	May	0.81	Nov.	8.3	137	.....	.....	.....	.....
Westminster	Carroll	770	22	55.2	99	Aug. 8	9	Jan. 16	22	37.22	6.02	Aug.	0.52	Nov.	16.0	116	166	111	88	.....
Woodstock	Baltimore	415	61	56.0	98	June 20*	5	Jan. 16	61	35.59	6.76	Aug.	0.89	Nov.	9.7	116	155	120	90	nw.
<i>District of Columbia</i>																				
Washington (U.S.W.B.)		112	61	58.2	99	June 20	16	Jan. 16	61	33.51	5.92	Aug.	1.01	Nov.	1.0	121	126	115	124	nw.
<i>Delaware</i>																				
Bridgeville	Sussex	45	8	57.5	98	Aug. 3*	13	Jan. 16	8	38.02	8.37	Aug.	0.91	Nov.	10.0	101	182	101	82	nw.
Delaware City	New Castle	12	45	57.4	99	Aug. 3*	13	Jan. 15	41	39.73	10.20	Aug.	0.65	Nov.	5.7	83	170	80	115	nw.
Dover	Kent	34	42	57.4	99	July 1*	15	Jan. 16	42	43.46	11.51	Aug.	1.12	Nov.	8.7	103	180	90	95	sw.
Milford	do	20	39	57.7	101	Aug. 3	13	Jan. 16	49	40.89	9.99	Aug.	0.97	Nov.	10.0	107	174	112	79	s.
Millsboro	Sussex	20	29	57.8	101	Aug. 3	.....	.....	39	43.17	10.68	Aug.	0.85	Nov.	8.0	93	174	106	85	nw.
Wilmington	New Castle	86	38	55.7	97	July 1	12	Jan. 15	38	40.37	8.53	Aug.	0.68	Nov.	5.0	99	167	82	116	nw.
For Maryland and District of Columbia				55.9	103	July 1	-8	Jan. 22		33.44	14.49	Aug.	0.34	Nov.	12.9	111	153	112	100	sw.
For Delaware				57.2	101	Aug. 3	12	Jan. 15		40.95	11.51	Aug.	0.65	Nov.	8.0	98	174	96	95	sw.
For entire section				56.0	103	July 1	-8	Jan. 22		38.68	14.49	Aug.	0.34	Nov.	12.3	111	154	111	100	sw.

*Also on other dates. †Post Office addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Wornton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills; || Drum Point Light Station.

Monthly and Annual Precipitation for the Year 1931, 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	
<i>Maryland</i>																											
Aberdeen	2.03	-0.81	1.80	-1.17	4.42	+1.75	2.34	-1.36	4.29	+1.73	1.99	-1.75	4.79	+0.06	7.95	+3.54	0.83	-2.41	1.20	-1.05	0.88	-1.49	2.39	-0.03	54.91	-2.99	
Annapolis	1.78	-1.62	1.53	-1.86	3.87	+0.04	3.23	-0.41	4.20	+0.18	4.55	+0.33	7.37	+2.84	9.61	+4.96	1.36	-2.43	1.48	-1.75	1.09	-1.81	2.21	-1.29	42.30	-2.92	
Baltimore (U. S. W. B.)	1.69	-1.61	1.41	-1.98	4.62	+0.91	2.77	-0.57	5.80	+2.26	1.89	-1.99	6.04	+1.40	7.98	+3.61	2.05	-1.32	1.79	-1.10	1.13	-1.43	2.20	-1.17	39.57	-2.99	
Bell	1.95	-1.29	1.48	-1.36	4.17	+1.13	2.56	-1.56	4.53	+1.10	4.08	+0.69	3.60	-0.68	9.36	+5.36	2.38	-0.92	1.00	-1.74	0.88	-1.89	2.13	-0.39	38.14	-0.95	
Boys	1.39	-1.42	1.53	-1.43	3.51	+0.83	2.71	-0.95	2.70	-0.08	4.54	+1.07	4.90	+1.94	4.93	+1.08	1.82	-0.25	2.72	-0.59	0.87	-1.56	2.00	-0.42	33.11	-2.85	
Cambridge (near)	1.79	-1.76	1.80	-1.80	3.90	+0.78	2.69	-0.84	4.49	+1.07	2.99	-0.79	3.19	-1.26	14.49	+9.90	2.82	-0.25	2.72	-0.44	1.59	-1.04	2.77	-0.48	46.04	+3.04	
Cecilton	1.48	-1.64	2.00	-1.27	4.27	+1.19	2.69	-1.88	4.08	+1.05	3.55	-0.10	3.28	-1.94	8.81	+4.29	1.59	-1.93	2.30	-0.15	0.67	-2.03	2.39	-0.37	37.13	-4.28	
Cheltenham	1.74	-1.78	1.62	-1.26	4.77	+1.13	3.27	-0.74	3.45	+0.14	3.28	-1.14	7.78	+3.48	8.37	+3.73	2.75	-0.45	2.64	-0.14	1.04	-1.44	2.03	-1.34	42.74	+0.19	
Cheswille	1.48	-1.38	1.62	-0.76	3.61	+0.68	2.77	-0.21	3.98	+0.70	2.92	-1.20	7.84	+3.98	3.22	-0.47	2.42	-0.70	0.99	-1.81	0.59	-1.44	1.91	-0.75	33.35	-3.36	
Coleman	1.65	-1.68	1.62	-1.48	4.37	+0.94	1.95	-1.60	3.86	+1.13	3.10	-0.60	6.88	+2.34	13.23	+8.60	1.03	-2.44	2.20	-0.64	0.81	-1.69	2.57	-1.01	43.76	+1.87	
College Park	1.49	-1.71	1.52	-1.65	3.92	+0.46	2.55	-1.04	4.44	+0.70	4.01	+0.05	3.33	-0.81	7.87	+3.83	0.94	-2.23	1.17	-1.53	1.55	-0.97	1.99	-0.82	44.98	-5.72	
Crisfield	1.95	-1.22	1.40	-2.43	4.40	+0.03	4.17	-0.87	3.86	+0.89	2.45	-1.04	4.73	+0.22	9.16	+4.86	4.19	+1.55	2.13	-0.58	0.60	-2.03	1.98	-1.60	40.02	-1.92	
Cumberland	0.99	-1.46	1.55	-0.95	3.73	+0.79	2.79	-0.08	5.94	+2.65	1.87	-2.63	6.31	+3.09	4.49	+1.02	3.18	+0.46	0.71	-1.70	0.56	-1.57	2.76	+0.26	34.38	-0.07	
Darlington	2.35	-1.05	1.89	-1.35	4.38	+1.09	3.47	+0.05	4.77	+1.43	4.30	+0.32	4.35	-0.12	9.95	+4.38	1.42	-2.23	1.51	-1.67	0.80	-1.96	2.12	-1.47	40.41	-2.58	
Easton	1.52	-1.53	1.88	-1.74	5.31	+1.84	2.87	-0.51	4.44	+1.25	6.44	+2.04	3.08	-0.21	12.99	+8.69	2.59	-0.47	4.08	+0.97	0.81	-1.76	2.11	-1.93	47.02	+6.64	
Elkton	2.04	-1.89	1.89	-1.89	5.03	-0.23	3.24	-0.40	3.20	-0.19	1.69	-0.94	3.45	-0.33	8.63	-0.33	1.09	-0.99	1.94	-0.00	0.70	-0.00	2.27	-0.11	34.21	-0.00	
Emmitsburg	1.88	-1.38	1.70	-1.49	5.57	+1.63	3.48	-0.01	5.39	+1.80	3.65	-0.72	6.25	+1.02	5.60	+1.46	2.75	-0.86	1.47	-1.94	0.85	-2.36	2.87	-0.27	40.24	-3.62	
Fallston	2.28	-1.38	1.57	-2.04	4.88	+1.02	2.64	-0.99	3.77	+0.29	4.85	+0.70	3.71	-0.79	6.04	+1.13	1.12	-2.90	1.53	-1.89	1.00	-2.16	2.12	-1.42	35.71	-10.35	
Ferry Landing	1.81	-1.49	1.36	-1.39	4.31	+0.97	3.17	-1.15	3.88	+0.42	3.10	-0.68	4.27	-1.30	10.69	+5.61	1.79	-1.61	2.73	+0.02	0.80	-1.86	2.05	-0.05	69.99	-3.05	
Frederick	2.20	-0.92	1.46	-1.54	5.05	+1.81	3.77	+0.30	3.52	-0.18	3.75	-0.63	4.57	+0.63	5.25	+1.53	3.44	+0.21	0.95	-1.76	0.33	-1.70	1.99	-1.08	36.78	-3.33	
Friensburg	1.74	-1.68	2.55	-0.59	3.78	+0.15	4.46	+0.61	6.29	+3.05	2.43	-2.50	5.08	+1.13	6.43	+2.55	5.14	+1.99	3.02	-1.17	1.94	-1.11	5.04	+1.44	47.90	-4.87	
Frostburg	1.45	-1.99	1.70	-1.09	3.77	+0.17	4.07	+0.16	6.96	+3.09	1.72	-3.21	3.51	-0.33	4.34	+0.19	3.63	+0.44	0.82	-2.28	0.98	-1.52	3.08	+0.11	45.83	-6.20	
Grantsville	1.81	-1.86	2.06	-1.21	3.85	-0.07	4.48	+0.72	5.84	+1.72	3.80	-1.18	6.63	+2.51	5.13	+1.11	4.61	+1.66	1.74	-1.07	1.84	-0.91	4.59	+1.11	45.83	+2.73	
Great Falls	1.47	-1.61	1.21	-1.52	3.36	-0.21	3.02	-0.13	2.20	-1.13	3.14	-0.63	4.57	+0.65	4.88	+1.08	3.05	-0.25	1.31	-1.33	0.47	-1.76	1.92	-1.17	30.60	-7.58	
Hancock (Tonoloway)	1.05	-1.33	1.91	-0.43	3.94	+0.84	3.61	+0.47	4.95	+1.31	3.81	-0.44	3.99	+0.49	4.08	+0.88	2.25	-0.64	0.96	-1.96	0.53	-1.79	2.05	-0.57	33.02	-2.68	
Hancock (City)	0.98	-1.45	1.97	-0.43	3.81	+0.81	2.69	-0.45	5.30	+2.16	2.82	-1.50	4.13	+0.63	3.04	-0.18	2.13	-0.76	0.34	-1.38	0.34	-1.98	1.76	-0.86	39.91	-5.97	
Keadysville	1.32	-1.69	1.42	-1.17	4.00	+0.16	3.81	+0.65	4.35	+1.16	3.89	-0.21	4.48	+0.87	3.05	-1.10	3.81	+0.85	1.13	-2.09	0.52	-1.54	1.87	-0.91	37.63	-4.06	
La Plata	1.63	-1.57	1.59	-1.02	3.39	+0.59	2.95	-1.43	4.04	+0.80	2.89	-1.28	7.62	+4.28	6.18	+1.99	3.47	+0.72	2.29	-0.21	1.00	-1.56	2.44	-0.24	39.54	-1.07	
Laurel	1.49	-1.80	1.51	-1.39	3.94	+0.40	2.29	-1.37	5.35	+1.95	5.43	+1.39	3.92	-0.44	9.31	+4.67	1.08	-2.17	1.41	-1.43	0.85	-0.99	1.86	-1.49	39.04	-2.67	
<i>District of Columbia</i>																											
Lutherville	1.85	-1.38	1.38	-1.55	5.15	-0.22	2.91	-0.43	4.37	-0.00	4.82	-0.22	3.35	-0.60	6.81	-0.00	1.27	-0.99	1.68	-0.80	0.86	-0.00	1.96	-0.00	35.91	-0.00	
Maryland Line	1.70	-1.76	1.76	-1.76	3.82	-0.22	2.91	-0.43	3.76	-0.00	5.47	-0.22	2.51	-0.60	7.38	-0.00	3.19	-0.99	1.23	-0.62	0.62	-0.00	2.19	-0.00	34.52	-0.00	
Mechanicsville	1.68	-1.35	1.35	-1.35	3.48	-0.22	3.11	-0.43	5.27	-0.00	3.45	-0.22	6.25	-0.60	8.63	-0.00	3.29	-0.99	1.98	-0.62	0.97	-0.00	2.95	-0.00	44.43	-0.00	
Millington	1.88	-1.58	1.96	-1.37	5.36	+1.60	2.55	-1.09	3.65	+0.59	8.30	-0.39	4.38	+0.11	10.62	+5.94	1.71	-1.81	2.45	-0.46	0.99	-1.55	1.87	-1.79	40.72	-2.32	
Oakland	1.66	-2.37	2.83	-0.59	3.51	-0.22	4.52	+0.32	6.98	+2.69	2.84	-1.78	3.51	-1.09	5.66	+1.37	5.32	+2.28	2.21	-1.19	2.07	-0.68	4.75	+0.93	45.86	-0.38	
Parkton (Prettyboy Dam)	0.71	-1.86	1.67	-1.67	3.22	-0.22	3.03	-0.43	4.71	-0.00	1.78	-0.60	4.76	-0.60	5.49	-0.00	2.48	-0.99	1.40	-0.62	0.62	-0.00	2.82	-0.00	32.10	-0.00	
Picardy	1.72	-1.65	1.65	-1.65	4.68	-0.22	2.04	-0.43	5.18	-0.00	2.42	-0.60	4.14	-0.60	5.84	-0.00	1.78	-0.99	1.35	-0.62	0.82	-0.00	2.36	-0.00	33.93	-0.00	
Pleasant Hill	1.59	-1.08	1.22	-2.00	5.59	+2.40	3.02	+0.06	3.92	+1.37	1.62	-1.76	1.95	-1.52	8.95	+4.68	4.20	+1.16	1.68	-1.33	0.71	-1.65	2.43	-0.88	36.83	-0.55	
Pocomoke City	1.87	-1.21	1.41	-2.05	3.99	+0.25	3.15	-0.36	4.13	+0.99	4.20	+0.40	4.98	+0.67	8.78	+3.74	4.77	+1.95	2.28	-0.82	1.62	-1.86	2.33	-0.87	42.41	+0.83	
Princess Anne	1.68	-1.39	1.48	-1.54	5.02	+1.61	3.21	-0.16	4.58	+1.19	3.51	-0.23	2.43	-2.03	9.01	+4.42	2.22	-0.98	2.61	-0.33	1.20	-1.40	2.66	-0.44	39.61	-1.23	
Ridgely	1.66	-1.56	2.01	-1.30	4.22	+1.08	2.75	-0.87	3.51	+0.53	2.80	-0.67	7.29	+2.81	8.17	+3.21	1.55	-1.91	2.25	-0.05	1.09	-1.64	2.04	-0.88	39.28	-1.25	
Rock Hall	1.75	-1.63	1.44	-1.70	3.67	-0.21	2.68	-0.75	3.94	+0.70	4.97	+1.18	2.44	-1.48	10.45	+5.20	4.98	+1.78	1.73	-1.32	0.75	-1.97	2.01	-1.34	40.71	-1.54	
Salisbury	1.78	-1.31	3.31	-1.00	4.00	-0.22	3.82	-0.43	5.98	-0.00	4.01	-0.60	4.41	-0.60	5.69	-0.00	4.88	-0.99	1.82	-0.28	0.48	-0.00	4.63	-0.00	46.81	-0.00	
Sines (Deep Creek)	1.80	-0.94	1.75	-1.15	5.31	+2.14	3.60	+0.59																			

Monthly and Annual Mean Temperatures for the Year 1931, 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		
<i>Maryland</i>																												
Aberdeen.....	33.4	+2.2	36.2	+2.1	40.3	-2.6	51.3	+0.1	62.0	+1.0	70.8	0.0	78.0	+3.0	74.2	+1.4	72.5	+4.6	58.6	+2.6	50.8	+6.0	41.0	+6.3	55.8	+2.3	62.4	+1.9
Annapolis.....	36.2	+1.9	38.4	+3.4	41.4	-2.1	52.2	-1.2	62.8	-1.3	71.8	-1.4	78.9	+1.1	75.6	-0.5	74.4	+4.7	62.4	+4.3	53.0	+6.1	45.1	+8.0	57.7	+1.9	65.2	+3.8
Baltimore (U. S. W. B.).....	38.1	+4.3	39.6	+4.2	41.9	-0.4	53.8	+0.2	65.2	+0.8	74.5	+1.8	81.0	+3.8	77.0	+1.5	76.0	-7.5	63.4	+6.2	54.7	+8.4	45.7	+6.9	59.2	+1.6	67.7	+3.8
Bell.....	33.4	+1.0	35.3	+0.5	39.4	-5.1	51.9	-0.7	62.1	+0.3	71.4	0.0	77.6	+2.1	74.0	+1.4	72.2	+3.6	57.7	+3.0	50.9	+6.1	42.2	+6.9	55.8	+1.6	63.4	+1.6
Boysds.....	33.6	+1.5	35.5	0.0	39.2	-5.2	50.5	-2.1	62.0	+0.1	69.8	-1.4	76.9	+1.4	72.7	-0.3	71.5	+2.8	57.8	+1.9	50.6	+5.7	41.1	+5.3	55.1	+0.8	63.4	+1.6
Cambridge. (near).....	37.0	+1.3	38.8	+2.9	41.2	-4.0	52.8	-2.0	63.2	-2.1	71.9	-1.5	78.2	+0.8	75.3	-1.0	73.7	+3.2	61.6	+2.6	53.3	+5.7	45.8	+7.9	57.8	+1.8	65.2	+1.8
Cecilton.....	35.0	+2.2	37.2	+1.5	40.7	-4.1	52.2	-0.5	62.4	+0.7	71.4	-0.5	78.2	+2.9	74.9	+1.3	73.0	+3.9	60.7	+3.2	51.9	+5.4	43.0	+6.8	56.7	+2.7	64.5	+1.8
Cheltenham.....	36.4	+1.9	38.6	+3.3	40.4	-4.7	53.2	-0.9	63.6	+0.1	71.9	+0.8	78.4	+2.5	74.8	+1.3	73.2	+4.9	60.4	+3.2	52.2	+7.0	44.2	+8.4	57.3	+2.3	65.2	+1.8
Chevsville.....	33.2	+2.7	34.8	+3.9	37.8	-3.6	49.9	-0.8	61.0	+0.2	69.4	+0.2	76.4	+2.5	71.8	-0.1	70.3	+4.2	57.0	+2.5	50.9	+7.1	39.6	+6.9	54.3	+2.2	62.4	+1.8
Coleman.....	35.4	+2.0	37.5	+3.7	40.8	-3.1	52.4	-0.7	63.2	+0.3	71.8	0.0	78.4	+2.1	74.4	0.0	73.3	+4.0	61.7	+3.4	53.2	+6.8	49.6	+7.6	57.2	+2.2	65.2	+1.8
College Park.....	35.0	+1.6	37.3	+3.7	41.2	-1.9	53.0	0.0	63.4	+0.8	71.8	+0.7	78.6	+3.3	75.2	+1.6	73.2	+5.3	59.2	+3.1	52.2	+7.5	43.8	+7.8	57.0	+2.7	65.2	+1.8
Crisfield.....	38.0	+0.8	47.0	+1.1	42.0	-5.4	53.0	-3.1	65.2	+1.3	73.0	-0.2	79.6	+2.7	77.0	+1.7	75.6	+4.1	63.8	+3.5	53.2	+3.2	47.0	+6.5	59.0	+1.4	67.7	+3.8
Cumberland.....	36.2	+5.2	38.3	+5.2	39.8	-0.4	53.4	+1.4	63.9	+1.3	73.2	+2.8	79.4	+5.3	74.4	+2.4	72.7	+7.0	58.4	+4.1	52.2	+9.6	42.8	+8.8	57.1	+4.4	65.2	+1.8
Darlington.....	32.4	+1.5	35.0	+3.8	38.6	-2.9	51.0	-0.5	62.0	+0.1	70.7	+0.7	77.4	+2.3	73.1	-0.6	71.6	+5.0	57.8	+2.7	50.4	+6.6	40.4	+6.8	55.0	+2.2	63.4	+1.6
Easton.....	36.2	+1.6	38.0	+3.0	40.4	-3.9	52.1	-1.3	63.2	-0.2	72.0	+0.7	79.4	+8.3	75.5	+1.3	73.4	+4.7	60.8	+3.1	53.0	+6.5	44.6	+7.5	57.4	+2.2	65.2	+1.8
Elkton.....	33.0	.....	36.1	.....	40.4	.....	51.7	.....	62.4	.....	70.2	.....	77.8	.....	74.0	.....	72.2	.....	58.6	.....	50.6	.....	41.0	.....	55.7	.....	63.4	.....
Emmitsburg.....	34.6	+3.8	35.8	+3.6	38.6	-1.9	51.2	-0.6	62.6	+0.7	71.2	+1.2	78.2	+2.8	73.0	+0.5	72.1	+6.0	59.6	+4.6	52.0	+8.8	42.0	+8.6	55.9	+3.2	63.4	+1.6
Fallston.....	33.4	+2.3	35.6	+3.6	38.8	-1.3	51.0	+0.3	61.9	+0.6	70.6	+1.1	77.0	+3.0	73.6	+1.6	72.3	+6.2	59.6	+4.4	51.2	+7.6	41.6	+7.5	55.6	+3.1	63.4	+1.6
Ferry Landing.....	35.8	+1.6	37.9	+0.5	39.6	-6.6	52.4	-1.4	62.8	-0.3	71.3	-0.8	77.0	+1.3	73.0	-0.8	72.3	+3.6	60.8	+3.1	53.4	+6.7	45.2	+7.9	56.8	+1.3	63.4	+1.6
Frederick.....	35.8	+3.6	37.8	+4.6	40.8	-1.6	53.0	+0.1	64.8	+1.2	72.2	+0.9	80.0	+3.6	75.0	+1.1	73.6	+6.0	59.8	+4.1	52.5	+8.3	42.5	+7.7	57.4	+3.3	63.4	+1.6
Friendsville.....	30.2	+1.0	32.3	-0.1	32.4	-6.9	46.2	-1.7	56.9	+0.4	65.4	+0.4	72.1	+3.3	67.7	+1.0	65.8	+2.7	54.0	+2.4	48.9	+8.3	39.2	+6.9	50.9	+1.6	63.4	+1.6
Frostburg.....	33.0	+3.3	34.3	+3.8	35.4	-4.0	48.8	-1.0	59.1	-0.6	69.9	+1.7	75.8	+4.3	71.4	+1.7	69.0	+4.3	56.8	+2.7	50.6	+8.3	39.8	+8.0	53.6	+2.8	63.4	+1.6
Grantsville.....	28.8	+1.8	30.6	+3.6	31.1	-5.6	44.4	-1.6	55.4	-1.1	64.0	+0.4	70.6	+2.3	66.4	+0.2	64.0	+2.9	51.8	+1.8	46.6	+7.7	37.0	+7.6	49.2	+1.7	63.4	+1.6
Great Falls.....	34.0	+1.3	36.4	+3.3	39.6	-4.1	52.2	-0.9	63.0	-0.4	71.6	+0.6	77.8	+2.2	74.1	+0.6	72.8	+4.8	59.0	+2.9	52.2	+7.9	42.0	+7.8	56.2	+2.1	63.4	+1.6
Hancock. (Tonoloway).....	34.5	+4.4	34.7	+3.2	38.1	-4.2	51.0	-0.9	60.6	-1.7	69.8	+0.7	77.3	+2.9	72.9	+0.3	70.9	+3.5	56.8	+2.9	51.0	+7.9	41.5	+8.2	54.9	+2.1	63.4	+1.6
Keadysville.....	34.4	+2.6	36.8	+3.8	40.0	-3.3	52.8	-0.2	63.5	+0.4	71.9	+0.8	78.3	+2.7	74.0	+0.6	72.2	+4.4	58.2	+1.6	52.2	+7.9	41.4	+8.8	57.2	+2.4	63.4	+1.6
La Plata.....	36.7	+0.9	38.8	+1.0	41.0	-5.7	53.2	-1.7	63.3	+0.1	71.6	+0.7	77.6	+2.0	74.0	-0.8	72.7	+2.0	60.0	+2.4	52.8	+6.1	44.6	+6.5	57.2	+1.4	63.4	+1.6
Laurel.....	35.2	+2.7	37.6	+4.5	39.8	-3.3	52.2	-0.4	62.7	-0.1	70.7	0.0	77.1	+1.8	73.4	+0.1	72.4	+4.7	60.1	+4.4	52.0	+7.3	43.4	+8.7	56.4	+2.6	63.4	+1.6
Lutherville.....	33.4	.....	36.2	.....	39.7	.....	50.8	.....	62.0	.....	70.8	.....	77.1	.....	73.8	.....	72.3	.....	58.4	.....	51.2	.....	41.8	.....	55.6	.....	63.4	.....
Maryland Line.....	32.6	.....	34.0	.....	37.6	.....	50.4	.....	61.8	.....	69.6	.....	77.0	.....	73.0	.....	72.8	.....	59.5	.....	51.1	.....	40.7	.....	54.9	.....	63.4	.....
Millington.....	34.8	+1.0	37.2	+3.4	40.8	-3.2	52.7	-0.5	62.8	-0.4	71.4	+0.9	78.2	+2.1	75.0	+1.1	73.6	+5.1	60.4	+3.2	52.4	+6.3	43.7	+7.9	56.9	+2.2	63.4	+1.6
Oakland.....	28.2	+0.2	32.0	+4.0	32.0	-4.9	44.9	-1.2	56.0	+0.5	64.4	+1.1	71.3	+4.6	66.8	+1.3	64.5	+3.7	51.8	+2.5	46.9	+8.8	38.9	+9.3	49.8	+2.5	63.4	+1.6
Parkton. (Prettyboy Dam).....	35.0	.....	35.4	.....	37.5	.....	51.4	.....	62.2	.....	71.2	.....	77.0	.....	73.4	.....	72.0	.....	59.2	.....	51.5	.....	41.2	.....	55.3	.....	63.4	.....
Princess Anne.....	36.4	-0.4	38.5	+1.4	40.5	-5.1	50.7	-3.5	61.8	-1.1	69.0	-2.1	76.6	+0.6	73.9	-0.5	71.2	+2.4	58.4	+0.8	52.2	+4.8	43.6	+4.9	56.1	+0.2	63.4	+1.6
Ridgely.....	36.6	+2.2	38.0	+3.4	40.8	-3.2	52.8	-0.2	63.5	+0.2	71.9	+0.8	79.2	+3.0	75.5	+1.4	73.0	+4.4	60.7	+3.5	52.4	+6.3	44.4	+8.2	57.4	+2.5	63.4	+1.6
Rock Hall.....	35.2	+1.5	38.0	+3.4	40.7	-4.0	52.2	-0.5	63.7	+1.2	72.0	-0.4	78.7	+1.9	74.9	0.0	73.4	+4.0	60.8	+2.5	53.0	+6.4	43.6	+6.9	57.2	+1.9	63.4	+1.6
Salisbury.....	38.0	+1.0	39.5	+1.6	41.0	-4.6	53.0	-1.3	63.8	0.0	72.2	+0.1	79.5	+2.8	76.5	+1.7	74.0	+4.6	63.0	+4.5	54.4	+7.1	46.0	+7.5	58.4	+2.1	63.4	+1.6
Sines. (Deep Creek).....	26.8	.....	30.6	.....	31.2	.....	43.7	.....	54.2	.....	62.7	.....	69.6	.....	64.8	.....	62.6	.....	50.3	.....	46.0	.....	37.6	.....	48.3	.....	63.4	.....
Sotomons. (Drum Pt. Lt. St).....	37.0	+1.3	40.1	+4.2	41.0	-3.8	53.5	-0.6	63.6	-1.3	73.0	-0.2	80.0	+2.0	77.2	+0.4	75.7	+4.2	64.1	+3.8	53.8	+5.1	46.2	+7.5	58.8	+1.9	63.4	+1.6
State Sanatorium.....	34.0	+3.9	34.6	+3.4	36.7	-4.0	49.8	-1.2	62.2	+1.0	71.1	+1.9	77.2	+3.7	72.5	+1.3	71.4	+5.8	58.9	+3.7	51.5	+8.3	40.4	+8.2	55.0	+3.0	63.4	+1.6
Stevensville.....	36.4	.....	38.6	.....	41.7	.....	52.8	.....	63.8	.....	73.2	.....	79.6	.....	76.4	.....	75.0	.....	63.2	.....	54.8	.....	45.0	.....	58.4	.....	63.4	.....
Takoma.....	35.7	+3.2	38.1	+5.1	40.7	-2.6	52.8	-0.1	63.6	+0.8	72.0	+1.8	78.4	+3.4	74.2	+1.4	72.6	+5.4	60.2	+4.1	53.0	+8.1	43.5	+8.9	57.1	+3.3	63.4	+1.6
Western Port.....	35.6	+3.5	36.8	+4.																								