

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	Partly cloudy	Cloudy	
January.....	34.6	66	-8	1.68	1.38	1.4	5	13	10	8	nw.
February.....	36.6	65	-7	1.67	1.15	0.7	8	13	6	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.....	70.8	102	35	4.43	4.00	0.0	12	15	11	10	sw.
July.....	77.6	103	44	4.53	4.42	0.0	8	18	8	4	sw.
August.....	73.8	101	40	7.70	5.50	0.0	15	17	9	5	sw.
September.....	72.2	100	30	2.54	3.30	0.0	6	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>			<i>Maryland (cont.)</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. 5
Cheltenham.....	Apr. 30	Nov. 5	Rock Hall.....	Apr. 30	Nov. 7
Chesville.....	May 4	Oct. 13	Salisbury.....	Apr. 30	Nov. 5
Coleman.....	Apr. 30	Nov. 7	Sinners.....	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	Woodsboro.....	Apr. 30	Oct. 13
Ferry Landing.....	Apr. 30	Nov. 7			
Frederick.....	Apr. 30	Oct. 13	<i>District of Columbia.</i>		
Friendsville.....	May 4	Oct. 13	Washington.....	Mar. 21	Nov. 7
Frostburg.....	Apr. 30	Oct. 13			
Grantsville.....	May 4	Sept. 29	<i>Delaware.</i>		
Great Falls.....	Apr. 30	Oct. 13	Bridgeville.....	Apr. 30	Nov. 5
Hancock.....	May 4	Oct. 13	Delaware City.....	Apr. 30	Nov. 7
Kedysville.....	Apr. 30	Oct. 13	Dover.....	Apr. 30	Nov. 7
La Plata.....	Apr. 30	Nov. 5	Millford.....	Apr. 30	Nov. 5
Laurel.....	Apr. 30	Oct. 13	Milford.....	Apr. 30	Nov. 5
Lutherville.....	Apr. 30	Oct. 13	Wilmington.....	Apr. 30	Nov. 7
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
1895.....	52.6	-1.3	102	-18	34.47	-7.03	42.07	14.42	4.80	29.9
1896.....	54.0	+0.1	103	-13	37.11	-4.39	64.94	30.18	4.50	23.0
1897.....	53.6	-0.3	102	-12	44.97	+3.47	63.85	32.56	14.75	18.4
1898.....	54.9	+1.0	109	-20	42.11	+0.61	65.77	32.59	5.93	21.6
1899.....	53.5	-0.4	102	-26	40.84	-0.66	51.38	28.69	5.35	40.3
1900.....	55.0	+1.1	106	-15	36.66	-4.34	52.19	28.21	5.53	26.8
1901.....	52.6	-1.3	106	-15	45.08	+3.58	70.87	34.63	5.45	18.7
1902.....	53.6	-0.3	104	-17	49.20	+7.70	61.38	33.75	6.00	33.3
1903.....	53.3	-0.6	100	-12	46.94	+5.44	73.72	36.58	6.00	17.9
1904.....	51.2	-2.7	102	-20	36.49	-5.01	50.26	25.72	5.90	41.8
1905.....	53.3	-0.6	104	-20	43.84	+2.34	64.61	31.88	4.65	36.1
1906.....	54.6	+0.7	101	-15	48.01	+6.51	62.92	36.10	8.66	20.7
1907.....	52.2	-1.7	99	-29	48.86	+7.36	66.59	37.55	5.00	34.6
1908.....	54.1	+0.2	102	-21	40.01	-1.49	52.50	31.63	7.93	32.5
1909.....	54.0	+0.1	99	-5	37.47	-4.03	50.45	28.30	3.80	30.0
1910.....	53.8	-0.1	99	-15	37.42	-4.08	52.45	26.74	7.19	34.8
1911.....	54.9	+1.0	106	-5	43.61	+2.11	55.58	33.62	7.35	23.2
1912.....	53.3	-0.6	102	-40	43.42	+1.92	62.68	35.50	6.07	32.2
1913.....	56.1	+2.2	102	-6	38.98	-2.52	48.96	25.41	4.05	6.1
1914.....	53.4	-0.5	102	-21	35.97	-5.53	43.32	29.35	3.81	37.2
1915.....	54.1	+0.2	103	-6	43.58	+2.08	59.39	26.82	5.11	23.1
1916.....	53.2	-0.7	101	-11	40.47	-1.03	49.72	26.14	6.00	28.5
1917.....	51.3	-2.6	102	-32	40.65	-0.85	54.22	27.17	4.52	35.7
1918.....	53.8	-0.1	109	-30	37.96	-3.54	46.95	28.88	4.50	31.4
1919.....	54.9	+1.0	105	-19	47.62	+6.12	60.84	39.69	9.02	11.9
1920.....	53.3	-0.6	98	-10	44.95	+3.45	56.29	32.49	4.30	20.0
1921.....	55.6	+2.7	102	-15	37.72	-3.78	54.12	28.89	5.60	20.5
1922.....	55.0	+1.1	100	-15	40.15	-1.45	55.65	24.39	6.75	34.8
1923.....	54.4	+0.5	102	-9	40.27	-1.23	50.38	31.47	5.17	22.0
1924.....	52.6	-1.3	103	-13	46.26	+4.76	62.70	37.41	4.53	30.5
1925.....	54.6	+0.7	104	-31	34.91	-6.69	48.37	27.87	5.25	23.0
1926.....	52.8	-1.1	107	-16	43.90	+2.40	54.02	32.08	6.54	24.6
1927.....	54.4	+0.5	100	-5	40.37	-1.13	53.56	27.69	3.92	15.3
1928.....	54.0	+0.1	100	-11	45.09	+0.59	55.38	34.92	11.65	25.4
1929.....	54.4	+0.5	102	-13	42.46	+0.94	55.60	33.83	4.58	20.0
1930.....	55.0	+1.1	110	-20	23.73	-17.72	33.52	17.76	3.25	22.4
1931.....	56.0	+2.0	103	-8	38.68	-2.25	47.90	29.91	5.50	12.3

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	
Maryland																				
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's	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.
Boysds	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	s.
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. 2*	31	42.74	8.37	Aug.	1.04	Nov.	11.0	108	162	112	91	nw.
Cheswold	Washington	530	34	54.3	97	July 1	10	Jan. 16	34	33.35	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	sw.
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	nw.
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. 2*	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	sw.
Frostburg	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	2,351	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	sw.
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	39.54	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	33.04	9.31	Aug.	1.08	Sept.	5.9	122	161	105	99	sw.
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							7	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		98	July 1*			1											
Pearcy	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	sw.
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	99	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	98	190	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	sw.
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	107	152	116	97	sw.
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	sw.
Towson	Baltimore	465							19	36.48	6.94	Aug.	0.94	Nov.	14.6	109	127	115	123	sw.
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	sw.
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.
District of Columbia																				
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.
Delaware																				
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.
Millford	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																				
For Delaware																				
For entire section																				

*Also on other dates. §Post Office addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; 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

	January	February	March	April	May	June	July	August	September	October	November	December	Annual													
Stations	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation													
	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure													
Maryland																										
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	0.88	-2.41	1.20	-1.05	0.88	-1.49	2.39	-0.03	34.91	-2.99
Annapolis	1.78	-1.62	1.55	-1.86	3.87	+0.04	3.23	-0.41	4.20	+0.15	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.)	1.89	-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	4.55	+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	+0.82	2.71	-0.95	2.70	-0.08	4.84	+1.07	4.90	+1.94	4.99	+1.02	1.82	-1.11	1.85	-0.59	0.87	-1.55	2.00	-0.42	33.11	-2.85
Cambridge (near)	1.79	-1.76	1.70	-1.80	4.60	+0.73	2.89	-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	-1.85	4.08	+1.05	3.55	-1.10	3.28	-1.94	8.81	+4.29	1.59	-1.93	2.80	-0.15	0.67	-2.03	2.39	-0.37	37.11	-4.23
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	-3.86
Coleman	1.65	-1.68	1.62	-1.48	4.37	+0.94	1.95	-1.60	4.35	+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	3.17	-0.87	3.86	+0.89	2.45	-1.04	4.73	+0.22	9.16	+4.86	4.19	+1.55	2.13	-0.28	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	9.05	+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	1.38	-1.74	5.31	+1.84	2.87	-0.51	4.44	+1.25	6.44	+2.04	3.08	-1.21	12.99	+8.69	2.59	-0.47	4.08	+0.97	0.81	-1.76	2.11	-0.93	47.02	+6.64
Elkton	2.04	.....	1.83	.....	5.03	.....	2.34	.....	3.20	.....	1.69	.....	3.45	.....	8.63	.....	1.09	.....	1.94	.....	0.70	.....	2.27	.....	34.21	.....
Emmitsburg	1.88	-1.38	1.70	-1.49	5.57	+1.63	3.48	-0.01	5.39	+1.30	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	3.97	+0.29	4.85	+0.72	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	2.78	+0.02	0.80	-1.86	2.05	-0.05	69.96	-3.05
Frederick	2.20	-0.92	1.46	-1.54	5.05	+1.81	3.77	+0.30	3.62	-0.18	3.75	-0.63	4.57	+0.63	5.25	+1.53	3.44	+0.21	0.95	-1.76	0.83	-1.70	1.99	-1.08	36.73	-3.83
Friendsville	1.74	-1.68	2.55	-0.59	3.78	+0.15	4.46	+0.61	6.29	+3.05	2.42	-2.50	5.08	+1.13	6.43	+2.55	5.14	+1.99	3.02	-0.17	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	+0.18	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	-1.62	3.08	+0.15	36.03	-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	-0.49	3.94	+0.94	3.61	+0.47	4.95	+1.81	3.88	-0.44	3.99	+0.49	4.08	+0.88	2.25	-0.64	0.96	-1.06	0.53	-1.79	2.05	-0.57	33.20	-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	-0.16	2.13	-0.76	0.94	-1.38	0.34	-1.98	1.76	-0.86	29.91	-5.97
Keadysville	1.32	-1.69	1.42	-1.17	4.00	+1.16	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	-2.03	0.52	-1.54	1.87	-0.91	37.65	-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	1.45	-0.99	1.86	-1.49	39.04	-2.67
Lutherville	1.85	.....	1.38	.....	5.15	.....	2.91	.....	4.37	.....	4.82	.....	3.85	.....	6.81	.....	1.27	.....	1.68	.....	0.86	.....	1.96	.....	35.91	.....
Maryland Line	1.70	.....	1.76	.....	3.82	.....	2.91	.....	3.76	.....	3.45	.....	2.51	.....	7.38	.....	3.19	.....	1.23	.....	0.62	.....	2.19	.....	34.52	.....
Mechanicsville	1.68	.....	1.35	.....	3.48	.....	3.11	.....	5.27	.....	5.47	.....	6.25	.....	8.63	.....	3.29	.....	1.98	.....	0.97	.....	2.95	.....	44.43	.....
Millington	1.88	-1.58	1.96	-1.37	5.36	+1.60	2.55	-1.09	3.65	+0.59	3.80	-0.39	4.38	-0.41	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	5.82	+2.28	2.21	-1.19	2.07	-0.68	4.75	+0.93	45.86	-0.38
Parkton (Prettyboy Dam)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Picardy	0.71	.....	1.67	.....	3.22	.....	3.03	.....	4.71	.....	1.78	.....	4.76	.....	5.49	.....	2.48	.....	1.40	.....	0.62	.....	2.32	.....	.....	.....
Pleasant Hill	1.72	.....	1.65	.....	4.68	.....	2.04	.....	5.18	.....	2.42	.....	4.14	.....	5.84	.....	1.73	.....	1.35	.....	0.82	.....	2.36	.....	33.93	.....
Pocomoke City	1.59	-1.08	1.22	-2.00	5.59	+2.40	3.02	+0.06	3.92	+1.37	1.59	-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	36.88	-0.55
Princess Anne	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	0.62	-1.86	2.33	-0.87	42.41	+0.83
Ridgely	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	-0.93	2.61	-0.33	1.20	-1.40	2.66	-0.44	39.61	-1.23
Rock Hall	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	1.03	-1.64	2.04	-0.88	39.28	-1.25
Salisbury	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
Sines (Deep Creek)	1.78	.....	3.31	.....	4.00	.....	3.82	.....	5.98	.....	4.01	.....	4.41	.....	5.69	.....	4.88	.....	1.82	.....	2.48	.....	4.63	.....	46.81	.....
Solomons (Drum Pt.Lt.St.)	1.80	-0.94	1.75	-1.15	5.31	+2.14	3.60	+0.59	4.12	+1.19	2.95	-0.25	6.26	+2.16	11.01	+7.26	1.65	-0.88	2.15	-0.34	0.98	-0.96	3.09	+0.45	44.76	+9.27
State Sanatorium	1.51	-1.91	1.51	-1.46	4.80	+1.15	3.56	-0.33	5.11	+1.31	2.95	-1.97	6.17	+2.21	5.28	+0.90										

Monthly and Annual Mean Temperatures for the Year 1931, 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
Maryland																										
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
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	78.8	+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
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	+8.5	59.2	+3.8
Bell.....	33.4	+1.0	36.3	+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
Boys.....	33.6	+1.5	35.5	0.0	39.2	-5.2	50.5	-2.0	62.0	+0.1	69.8	-1.4	76.9	+0.8	72.7	-0.3	71.5	+2.8	57.8	+1.9	50.6	+5.7	41.1	+5.3	55.1	+0.8
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	78.9	+0.8	75.3	-0.8	73.7	+3.2	61.6	+2.6	53.3	+5.7	45.8	+7.9	57.8	+1.2
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	+2.3	74.9	+1.3	73.0	+3.9	60.7	+3.2	51.9	+5.4	43.0	+6.8	56.7	+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	78.2	+2.5	74.8	+1.3	73.2	+4.9	60.4	+3.2	52.8	+7.0	44.2	+8.4	57.3	+2.3
Chesapeake.....	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	+2.3	71.8	-0.1	70.3	+4.2	57.0	+2.5	50.0	+7.1	39.6	+6.9	54.3	+2.2
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	78.7	+2.1	74.4	0.0	73.3	+4.0	61.7	+3.4	53.2	+6.8	43.6	+7.6	57.2	+2.2
Colesville.....	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	+2.3	71.8	-0.1	70.3	+4.2	57.0	+2.5	50.0	+7.1	39.6	+6.9	54.3	+2.2
College Park.....	35.0	+1.6	37.3	+3.7	41.2	-2.6	53.0	0.0	63.4	+0.8	71.8	+0.7	78.6	+2.3	75.2	+1.6	73.2	+5.3	59.2	+3.1	52.2	+7.5	43.8	+7.8	57.0	+2.7
Crisfield.....	38.0	+0.8	47.0	+1.1	42.0	-5.4	53.0	-2.1	65.2	+1.3	73.0	-0.2	79.6	+2.6	77.0	+1.7	75.6	+4.1	63.8	+3.5	53.2	+3.2	47.0	+6.5	59.0	+1.4
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
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	+2.8	73.1	-0.6	71.6	+5.0	57.8	+2.7	50.4	+6.6	40.4	+6.8	55.0	+2.2
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	+3.3	75.5	+1.3	73.4	+4.7	60.8	+3.1	53.0	+6.5	44.6	+7.7	57.4	+2.2
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	.....
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	78.0	+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
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	+7.7	55.6	+3.1
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
Frederick.....	35.8	+3.6	37.8	+4.6	40.8	-1.6	53.0	+0.1	64.8	+1.2	72.8	+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	+3.8
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	+1.5
Frostburg.....	33.0	+3.3	34.3	+3.8	35.4	-4.0	48.8	-1.0	59.1	-0.6	69.5	+1.7	75.8	+4.3	71.4	+1.7	69.0	+4.3	56.8	+2.7	50.6	+8.8	39.8	+8.0	53.6	+2.8
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	+2.8	66.4	+0.2	64.0	+2.9	51.8	+1.8	46.6	+7.7	37.0	+7.6	49.2	+1.7
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
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	+2.6	51.0	+7.5	41.5	+8.2	54.9	+2.1
Keedysville.....	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	52.0	+7.9	41.4	+7.6	56.3	+2.4
La Plata.....	36.7	+0.9	38.8	+1.0	41.0	-5.7	53.2	-1.7	63.3	-0.1	71.6	-1.0	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	+1.0
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
Lutherville.....	33.4	.....	36.2	.....	39.7	.....	50.8	.....	62.0	.....	70.6	.....	77.1	.....	73.8	.....	72.3	.....	58.4	.....	51.2	.....	41.8	.....	55.6	.....
Maryland Line.....	32.6	.....	34.0	.....	37.6	.....	50.4	.....	61.7	.....	69.6	.....	77.0	.....	72.8	.....	71.7	.....	59.5	.....	51.1	.....	40.7	.....	54.9	.....
Millington.....	34.8	+1.0	37.2	+3.4	40.8	-3.2	52.7	-0.5	62.8	-0.4	71.4	+0.8	78.2	+2.1	73.6	+1.1	73.6	+5.1	60.4	+3.2	52.4	+6.8	43.7	+7.9	56.9	+2.2
Oakland.....	28.2	+0.2	32.0	+4.0	32.0	-4.9	44.9	-1.2	56.0	+0.5	64.4	+1.4	71.4	+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
Parkton (Prettyboy Dam).....	35.0	.....	35.4	.....	37.5	.....	51.4	.....	62.2	.....	71.2	.....	77.0	.....	73.0	.....	72.4	.....	58.8	.....	50.6	.....	41.1	.....	55.3	.....
Picard.....	35.0	.....	35.4	.....	37.5	.....	51.4	.....	62.2	.....	71.2	.....	77.0	.....	73.0	.....	72.4	.....	58.8	.....	50.6	.....	41.1	.....	55.3	.....
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
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
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
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
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	.....
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
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
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	.....
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
Western Port.....	35.6	+3.5	36.8	+4.7	38.7	-3.4	51.6	-0.1	61.8	-0.1	70.8	+1.6	77.1	+3.8	72.7	+1.0	71.6	+4.9	58.4	+3.5	52.6	+8.4	42.3	+8.0	55.8	+3.0
Westminster.....	33.8	+2.6	35.8	+3.4	38.5	-3.4	51.0	-1.1	62.2	-0.5	70.2	-0.4	77.0	+1.9	73.4	+0.5	71.7	+3.8	57.2	+1.5	49.5	+4.7	42.0	+6.7	55.2	+1.6
Woodstock.....	33.2	+1.3	36.0	+2.8	39.8	-1.9	52.0	-0.3	63.0	0.0	71.2	+0.4	78.0	+2.8	74.0	+1.4	72.8	+6.6	58.2	+3.3	51.7	+8.3	41.8	+7.5	56.0	+2.7
District of Columbia																										
Washington (U. S. W. B.).....	37.0	+3.6	39.4	+4.1	41.3	-1.3	54.2	+0.9	65.1	+1.4	73.3	+1.1	79.6	+2.9	75.6	+0.6	74.1	+6.0	61.2	+3.8	54.0	+8.8	44.2	+7.6	58.2	+3.2
Delaware																										