

Maryland State Weather Service

(INCLUDING MARYLAND AND DELAWARE).

CO-OPERATING WITH THE U. S. WEATHER BUREAU.

Central Office, Johns Hopkins University, Baltimore, Md.

MONTHLY SUMMARY.

AUGUST, 1891.

Temperature (degrees).—Mean monthly, 73.6. Highest monthly mean, 77.3, at Kirkwood, Del. Lowest monthly mean, 68.1, at Mt. St. Mary's. Highest temperature, 98, at Kirkwood on the 10th, 22d and 23d. Lowest temperature, 37, at Mt. St. Mary's on the 29th. Greatest local monthly range, 56, at Mt. St. Mary's. Least local monthly range, 18, at Summit Hall. Mean monthly range, 38.4. Mean maximum, 81.6. Mean minimum, 64.2.

Precipitation (in inches).—Average, 4.48. Greatest amount, 6.17, at Barron Creek Springs. Least amount, 3.00, at Summit Hall.

Wind.—Prevailing direction, northwest.

Thunderstorms.—At Baltimore, on the 12th, 21st, and 24th; at Barron Creek Springs, on the 2d, 4th, 5th, 7th, 11th, 15th, 18th, 21st, 24th, 25th, and 27th; at Cumberland (H. Shriver), on the 12th, 13th, and 14th; at Frederick, on the 5th, 11th, 12th, and 14th; at Jewell, on the 2d, 4th, 6th, 11th, 12th, 15th, 18th, 21st, and 23d; at Summit Hall, on the 12th; at Woodstock, on the 6th, 12th, 15th, 21st, and 24th.

Halos.—At Barron Creek Springs, on the 8th and 18th.

Hail.—At Frederick on the 11th.

Meteors.—At Baltimore, on the 10th; at Barron Creek Springs, on the 6th and 9th.

Aurora.—At Barron Creek Springs, on the 27th.

Average number of cloudless days, 10; partly cloudy days, 10; cloudy days, 11; rainy days (.01 of an inch or more), 11.

Verification of forecasts (signals displayed at Delaware City, Del., Milford, Del., and Wilmington, Del.):

Weather,	88.4 per cent.
Temperature,	96.1 " "
Average,	92.3 " "

MONTHLY SUMMARY OF REPORTS, AUGUST, 1891.

STATIONS.	COUNTIES.	Altitude.	Latitude.	Longitude.	† BAROMETER.					TEMPERATURE.							Total precipitation.	Clear days.	Fair days.	Cloudy days.	Number of rainy days (01 or more.)	Prevailing Wind.	OBSERVERS' NAMES.		
					Monthly mean.	Maximum.		Minimum.		Monthly mean.	Mean of maxi- mum.	Mean of mini- mum.	Maxim.		Minim.									Monthly range.	
						Height.	Date.	Height.	Date.				Degrees.	Date.	Degrees.	Date.									
																									Height.	Date.	Degrees.	Date.
Baltimore.....	.....	179	39° 17'	76° 36'	30.004	30.230	26	29.711	2	74.3°	81.8°	66.8°	94	11	54	30	40°	4.24	4	16	11	13	N.W.	{ G. N. Wilson, W. D. White, G. H. Rogers. Albert E. Acworth.
Barron Cr'k } Springs.... }	Wicomico.....	40	38° 30'	75° 39'	...	...	...	...	...	73.6°	81.3°	67.9°	90	10	55	29	35°	6.17	9	13	9	15	S.W.	
Cumberland..	Alleghany	39° 39'	78° 45'	29.981	30.186	26	29.724	21	74.8°	85.0°	65.5°	95	9	49	28	46°	3.71	10	...		H. Shriver.
Cumberland..	Alleghany	700	39° 39'	78° 45'	...	...	...	...	...	70.5°	78.8°	63.6°	90	10	50	29	40°	3.44	11	9	11	8	...	E. T. Shriver.
Frederick.....	Frederick.....	...	...	...	...	...	...	...	...	74.4°	81.5°	65.9°	93	10	54	29	39°	3.53	...	...	...	10	...	McClintock Young.
Jewell.....	Anne Arundel	...	...	...	...	...	...	...	...	76.1°	...	...	88	10	59	30	29°	6.88	...	...	...	10	...	Jos. Plummer.
Kirkwood.....	New Castle, } Del..... }	...	...	...	...	...	...	...	...	77.3°	...	...	98	10	60	29	38°	...	14	3	14	...	...	W. C. L. Carnagy.
Mt. St. Mary's	Frederick.....	720	36° 41'	77° 21'	...	...	...	...	...	68.1°	81.9°	54.3°	93	10	37	29	56°	4.97	13	...	14	11	...	J. A. Mitchell, M. A.
Summit Hall..	Montgomery..	...	...	...	...	...	...	...	...	74.9°	...	...	83	11	65	29	18°	3.00	16	7	8	8	...	J. T. DeSellum.
Taneytown....	Carroll.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.25	...	...	...	9	...	C. W. Weaver.
Woodstock } College.... }	Howard.....	392	39° 20'	76° 49'	29.982	30.152	26	29.559	2	71.8°	80.1°	63.4°	92	10	52	29	40°	4.87	3	14	14	9	N.W.	T. J. A. Freeman, S. J.	
Wash'tn, D. C.	112	38° 52'	77° 0'	30.020	30.230	25	29.740	2	74.0°	82.6°	66.8°	95	10	54	30	41°	4.18	8	10	13	16	S.	S. W. Beall.	
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Averages.....	29.997	73.6°	81.6°	64.2°	38.4	4.48	9.8	10.3	11.8	10.8

† Readings reduced to sea level.