

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
APRIL 1969

Continued

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										30° or Above	31° or Above	32° or Above	33° or Above										
TOWSON	66.5	45.1	55.8		87	27	27	1	279	0	0	1	0	2.77	- 1.05	.91	16	.0	0		7	1	0
UNIONVILLE	66.5	39.5	53.0		85	27	18	1	354	0	0	8	0	3.09		1.17	29	.0	0		6	2	1
WESTMINSTER 2 SSE	65.3	42.1	53.7	1.4	85	27	18	1	338	0	0	4	0	2.28	- 1.33	.44	11	.0	0		9	0	0
WHEATON REGIONAL PARK	70.0	42.2	56.1		88	27	19	1	283	0	0	6	0	1.67		.36	22	.0	0		5	0	0
WOODSTOCK	69.0M	41.6M	55.3M	2.6	88	26			0	0	0	0	0	1.69	- 1.64	.39	10	.0	0		7	0	0
DIVISION			54.9	2.1										2.28	- 1.30			.0					
* * *																							
APPALACHIAN MOUNTAIN 07																							
BOONSBORO	67.2	46.3	56.8		86	27	28	1	258	0	0	1	0	1.94		.68	22	.0	0		6	1	0
CHEWSVILLE BRIDGEPORT	68.5	42.7	55.6	4.1	86	27	20	1	285	0	0	3	0	1.68	- 1.37	.41	22	.0	0		5	2	0
CUMBERLAND	70.8	40.7	55.8		91	27	23	1	282	1	0	1	0	.98		.41	16	.0	0		6	0	0
CUMBERLAND POLICE BRKS	71.2	40.3	55.8		90	27	18	1	280	1	0	10	0	1.65		.40	16	.0	0		7	0	0
FROSTBURG	66.0	40.0	53.0	3.2	84	27	19	1	355	0	0	5	0	1.24	- 2.33	.23	16	.0	0		7	0	0
HAGERSTOWN	68.1	44.2	56.2		87	27	26	1	272	0	0	1	0	2.06		.50	22	.0	0		7	1	0
HANCOCK FRUIT LAB	67.5	40.0	53.8		89	28	15	1	339	0	0	8	0	1.10	- 1.98	.21	22	.0	0		6	0	0
PICARDY	68.3	43.5	55.9		87	27	18	1	282	0	0	3	0	1.66		.44	28	.0	0		6	0	0
WESTERNPORT																							
WESTERNPORT UPRC	71.6M	40.9M	56.3M		90	27	20	1	266	1	0	0	0	.99		.37	16	.0	0		4	0	0
DIVISION			55.5	3.4										1.66	- 1.79			.0					
* * *																							
ALLEGHENY PLATEAU 08																							
BITTINGER 2 NW	61.1M	37.1M	49.1M		79	27	17	1	468	0	0	0	0	2.77		.51	23	1.2	1	23	10	3	0
DAKLAND 1 SE	62.5	35.4	49.0	1.8	80	27	14	1	474	0	0	10	0	3.34	- .80	.59	5	.0	0		10	0	0
SAVAGE RIVER DAM	64.1	37.7	50.9		82	28	16	1	416	0	0	8	0	1.77		.40	19	.0	0		8	0	0
SINES DEEP CREEK 2	63.6	34.9	49.3	3.1	81	27	14	1	466	0	0	11	0	3.65	- .50	.64	6	.0	0		9	3	0
DIVISION			49.6	3.0										2.88	- 1.12			.3					
DELAWARE																							
* * *																							
NORTHERN 01																							
MIDDLETOWN 1 WSW	68.4	43.0	55.7		87	27	24	1	282	0	0	4	0	2.32		.49	16	.0	0		9	0	0
NEWARK UNIVERSITY FARM	67.4	42.5	55.0		87	27	20	1	308	0	0	6	0	2.24		.73	16	.0	0		8	1	0
WILMGTON NCATTLE WB AP	65.6	44.6	55.1	3.0	86	27	25	1	298	0	0	1	0	1.58	- 1.75	.51	16	.0	0		5	1	0
WILMGTON PORTER RESVR	65.1	43.6	54.4		84	27	26	1	322	0	0	2	0	1.77	- 1.97	.58	16	.0	0		5	1	0
DIVISION			55.1	2.8										1.98	- 1.58			.0					
* * *																							
SOUTHERN 02																							
BRIDGEVILLE 1 NW	68.0	43.5	55.8	2.2	83	28	22	1	285	0	0	5	0	4.25	- .82	1.24	6	.0	0		9	4	1
DOVER	69.2	44.0	56.6	2.5	87	27	25	1	262	0	0	1	0	3.20	- .22	1.10	20	.0	0		8	1	1
GEORGETOWN 5 SW	66.0	43.4	54.7		84	28	20	1	319	0	0	6	0	3.95		1.05	6	.0	0		7	3	1
LENES 1 SW	65.7	43.9	54.8		85	27	24	1	310	0	0	3	0	3.95		.95	19	.0	0		7	4	0
MILFORD 2 WSW	69.0M	43.9	56.5M		86	27	20	1	264	0	0	5	0	3.36		.80	22	.0	0		8	2	0
SELBYVILLE	68.4	44.1	56.3		84	27	22	1	270	0	0	4	0	3.83		1.63	19	.0	0		5	3	1
DIVISION			55.8	2.1										3.76	.26			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

- HIGHEST TEMPERATURE: 94° ON THE 27TH AT BALTIMORE WB CITY, MD.
- LOWEST TEMPERATURE: 14° ON THE 1ST AT 2 STATIONS, MD.
- GREATEST TOTAL PRECIPITATION: 4.94 INCHES AT PRINCESS ANNE, MD.
- LEAST TOTAL PRECIPITATION: .96 INCH AT POTOMAC FILTER PLANT, MD.
- GREATEST ONE-DAY PRECIPITATION: 2.56 INCHES ON THE 20TH AT PRINCESS ANNE, MD.
- GREATEST REPORTED TOTAL SNOWFALL: 1.2 INCHES AT BITTINGER 2 NW, MD.
- GREATEST REPORTED DEPTH OF SNOW ON GROUND: 1 INCH ON THE 23D AT BITTINGER 2 NW, MD.

See Reference Notes Following Station Index

DAILY PRECIPITATION

MARYLAND AND DELAWARE
APRIL 1965

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DELAWARE																																		
* * * NORTHERN 01																																		
MIDDLETOWN 1 WSW	2.32	.15																																
NEWARK UNIVERSITY FARM	2.24																																	
WILMINGTON NCASTLE WB AP	1.58																																	
WILMINGTON PORTER RESVR	1.77																																	
* * * SOUTHERN 02																																		
BRIDGEVILLE 1 NW	4.25																																	
DOVER	3.20																																	
GEDORGETOWN 5 SW	3.95																																	
LEWES 1 SW	3.95																																	
MILFORD 2 WSW	3.36																																	
SELBYVILLE	3.83																																	

SUPPLEMENTAL DATA

Station	Wind (Speed - m.p.h.)						Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Resultant Direction	Resultant Speed	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	EASTERN STANDARD TIME				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
							1 AM	7 AM	1 PM	7 PM									
BALTIMORE WB AIRPORT MD	23	2.6	9.5	33	SW	10	76	79	51	59	3	6	5	1	0	0	15	53	6.3
WILMINGTON NCASTLE WB AP DEL	20	3.8	10.9	27++	20	10	71	76	50	62	7	5	4	1	0	0	17	-	6.3

DAILY TEMPERATURES

MARYLAND AND DELAWARE APRIL 1969

Table with columns for Station, Day of Month (1-31), and Average. Rows include Maryland stations like Assateague State Park, Crisfield Somers Cove, Pocomoke City 1 S, Princess Anne, Salisbury, Salisbury FAA Airport, Snow Hill 4 N, Central Eastern Shore stations like Blackwater Refuge, Cambridge 4 W, Denton 1 NW, Easton Police Barracks, Preston 1 S, Royal Oak, Vienna, Lower Southern stations like Charlotte Hall School, La Plata 1 W, Leonardtown 3 NW, Dwings Ferry Landing, Prince Frederick, Solomons, Waldorf Police Brks, Upper Southern stations like Annapolis, Baltimore WB Airport, Beltsville, Beltsville Plant Sta 5, College Park, Dalecarlia Resvr D C, Fort George G Meade, Glenn Dale Bell Sta, and Laurel 3 W.

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
APRIL 1969

Continued

Station	Day of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																
HANCOCK FRUIT LAB	MAX	41	60	71	60	70	62	62	74	79	80	68	64	62	68	65	59	70	82	71	67	63	70	57	53	57	72	81	89	84	63	67.5
	MIN	15	36	44	29	48	45	28	28	40	59	45	27	26	40	50	55	51	53	54	31	28	45	42	43	33	34	36	43	45	46	40.0
PICARDY	MAX	59	70	58	70	64	62	73	80	78	75	63	61	67	64	60	71	83	77	67	62	72	64	52	55	71	79	87	83	61	62	68.3
	MIN	18	49	41	34	47	43	34	42	49	58	45	34	32	44	50	55	49	63	50	31	33	44	41	39	34	49	50	59	45	44	43.5
WESTERNPORT																																
WESTERNPORT UPRC	MAX	57	71	64	75	73		75	80	81	81	65	64	70	66	64	77	85	80	71	67	74	71	56	57	70	79	90	89	67	58	71.6
	MIN	20	36	43	32	38		32	33	43	57	47	31	32	43	51	55	44	56	50	33	33	45	40	41	32	38	41	47	48	45	40.9
* * *																																
ALLEGHENY PLATEAU 08																																
BITTINGER 2 NW	MAX	50	61	51	67	63	51	65	72	73	64	54	55	63	60	56	66	78	69	54	56	63	57	39		70	79	72	53	50	61.1	
	MIN	17	41	32	34	50	32	30	36	48	52	36	27	34	40	44	49	43	52	38	25	34	35	31		30	35	43	37	35	37.1	
DAKLAND 1 SE	MAX	53	63	57	70	65	52	67	72	77	63	57	59	65	62	61	69	79	69	56	60	66	60	40	48	62	70	80	72	52	49	62.5
	MIN	14	35	35	26	31	35	22	24	39	54	39	23	29	37	48	52	34	54	38	30	27	38	33	33	30	33	31	42	39	37	35.4
SAVAGE RIVER DAM	MAX	56	65	62	59	70	67	56	69	75	77	67	59	60	65	62	60	71	81	71	60	62	69	59	44	53	66	74	82	75	52	64.1
	MIN	16	25	39	30	35	40	29	31	39	45	44	28	29	38	44	48	41	51	51	34	31	41	38	38	34	41	39	44	46	42	37.7
SINES DEEP CREEK 2	MAX	53	64	54	70	64	53	66	72	78	66	56	60	67	65	62	69	80	73	58	59	66	62	41	50	64	71	81	75	58	50	63.6
	MIN	14	33	36	27	48	36	24	26	35	50	40	24	28	38	48	51	33	48	38	30	28	39	34	34	26	30	31	37	41	38	34.9
DELAWARE																																
* * *																																
NORTHERN 01																																
MIDDLETOWN 1 WSW	MAX	55	68	67	58	69	66	68	74	76	78	64	60	63	61	65	65	74	75	76	73	62	57	59	58	70	75	87	84	75	68	68.4
	MIN	24	45	33	31	41	42	31	37	42	52	47	34	29	36	43	54	58	52	62	42	39	42	42	43	38	48	44	56	54	48	43.0
NEWARK UNIVERSITY FARM	MAX	56	65	65	58	66	64	68	74	73	72	66	62	62	64	63	62	71	73	75	62	64	56	59	53	70	76	87	86	82	66	67.4
	MIN	20	42	32	29	45	46	31	37	40	52	50	36	30	32	43	53	58	51	62	41	38	47	41	40	35	42	43	55	55	48	42.5
WILMGTN NCASTLE WB AP	MAX	54	67	54	55	67	60	68	73	70	72	63	60	60	64	64	63	73	70	74	61	61	56	59	53	71	78	86	82	70	58	65.6
	MIN	25	44	33	35	47	43	33	42	45	58	47	38	36	39	48	55	56	54	49	43	41	45	44	41	39	46	47	59	57	47	44.6
WILMGTN PORTER RESVR	MAX	50	64	53	56	68	58	67	77	69	70	61	59	59	72	64	60	70	71	72	60	62	55	58	54	69	75	84	82	70	63	65.1
	MIN	26	40	32	35	48	44	39	40	41	46	46	38	35	38	41	54	56	54	46	40	42	43	42	40	39	48	48	58	56	53	43.6
* * *																																
SOUTHERN 02																																
BRIDGEVILLE 1 NW	MAX	55	73	63	59	72	65	66	76	75	73	67	58	60	65	69	65	76	74	77	71	64	56	60	56	67	76	82	83	72	64	68.0
	MIN	22	45	35	32	49	49	30	41	43	57	51	39	29	31	43	55	53	48	65	43	36	46	41	40	34	39	40	60	57	50	43.5
DOVER	MAX	57	73	67	56	72	65	68	73	77	76	69	61	60	68	65	66	75	78	77	66	62	58	61	59	69	77	87	85	80	70	69.2
	MIN	25	45	36	33	44	48	34	43	43	41	50	39	33	35	45	53	58	57	46	43	38	46	42	42	38	46	49	60	57	50	44.0
GEORGETOWN 5 SW	MAX	41	61	77	54	63	74	55	65	74	73	75	62	55	58	66	70	66	77	76	78	57	62	56	58	55	68	76	84	78	66	66.0
	MIN	20	38	36	30	44	50	29	37	45	57	54	38	28	29	42	54	56	57	61	44	32	46	39	42	34	37	52	61	59	51	43.4
LEWES 1 SW	MAX	52	78	55	55	75	64	66	67	68	75	62	52	52	58	65	68	67	74	79	52	67	55	60	58	69	78	85	80	68	68	65.7
	MIN	24	37	38	33	54	40	32	43	44	57	47	40	31	33	42	54	54	56	46	40	35	48	42	41	37	47	54	61	54	54	43.9
MILFORD 2 WSW	MAX	56	76	66	60	74	64	67	72	76	76	69	60		61	69	68	75	77	78	69	64	57	60	58	69		86	84	78	64	69.0
	MIN	20	43	35	30	48	49	30	43	41	58	50	40	28	29	41	54	57	57	64	43	35	46	42	42	36	41	47	61	57	51	43.9
SELBYVILLE	MAX	51	79	65	57	75	75	75	70	69	75	72	61	56	62	69	71	78	71	80	66	60	56	60	57	68	77	84	78	73	61	68.4
	MIN	22	43	40	34	49	46	31	47	42	42	56	37	28	31	42	52	56	56	61	43	33	48	43	41	38	41	51	59	58	50	44.1

EVAPORATION AND WIND

MARYLAND AND DELAWARE
APRIL 1969

Station	Day Of Month																															Total or Avg.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																
* * *																																
UPPER SOUTHERN 04																																
UPPER MARLBORO 3 NNW	EVAP			.09	.10	.05	.13	.11	.26	.19	*	.34	.17	.15	.16	.10	.09	.02	.22	*	.34	.14	.18	.05	.15	*	.25	.20	.40	.27	.16	4.638
	WIND	31	16	70	74	41	16	19	102	96	41	29	21	19	12	14	13	52	64	4	49	16	43	31	31	17	44	52	18	11098		
	MAX	82	68	63	69	71	75	80	81	71	75	73	73	70	64	68	83	72	86	70	73	62	68	58	75	81	85	84	77	73.5		
	MIN	43	44	45	32	39	41	47	50	51	42	40	43	44	52	57	53	60	46	45	47	45	43	40	43	52	51	57	49	46.5		
* * *																																
APPALACHIAN MOUNTAIN 07																																
BOONSBORO	EVAP	.08	.11	.08	.10	.02	.16	.09	.16	.22	.11	.16	.15	.16	.11	.02	.02	.11	.08	.10	.19	.15	.08	.07	.06	.19	.15	.19	.25	.13	.12	3.62
	WIND	32	73	37	29	45	87	26	24	39	51	61	22	24	29	21	23	22	30	50	72	32	19	49	55	41	30	28	40	17	46	1154
	MAX	59	55	60	64	73	65	72	76	77	72	70	70	72	67	62	65	84	79	71	70	71	59	55	48	70	78	83	83	79	69	69.3
	MIN	34	47	44	44	38	46	40	45	52	54	47	41	41	44	50	54	52	59	58	40	43	49	43	41	38	47	53	57	55	46	46.7
DELAWARE																																
* * *																																
SOUTHERN 02																																
GEORGETOWN 5 SW	EVAP	-	.18	.23	.05	.15	.16	.10	.18	.22	.29	.25	.19	.21	.26	.05	.11	.00	.16	.11	.30	.12	.18	.08	.19	.09	.26	.30	.39	.21	.19	5.358
	WIND	-	160	127	29	100	138	69	30	13	188	185	56	52	3	54	32	80	52	150	100	42	98	60	87	121	20	70	154	138	30	25228

SNOWFALL AND SNOW ON GROUND

Station	Day of month																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARYLAND																																		
* * *																																		
ALLEGHENY PLATEAU 08																																		
BITTINGER 2 NW	SNOWFALL																																1.2	
	SN ON GND																																	1
OAKLAND 1 SE	SNOWFALL																																	T
	SN ON GND																																	

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the Environmental Science Services Administration State Climatologist, Room 34, Symons Hall, University of Maryland, College Park, Maryland 20740, or to any Weather Bureau Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE".

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on the ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

EVAPORATION is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the Evaporation and Wind table. Max and Min values in the Evaporation and Wind table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

SNOWFALL: Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1931-1960.

DIVISIONS, as used in this publication, became effective with data for October 1956.

STATION NAMES: Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

DELAYED DATA AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.

No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.

+ And also on an earlier date or dates.

++ Highest observed one minute wind speed. This station is not equipped with an instrument to measure fastest mile data.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

T Trace, an amount too small to measure.

V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

AR This entry in time of observation column in Station Index means after rain.

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.

G "Soil Temperature" table.

H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" table.

SS This entry in time of observation column in Station Index means observation made near sunset.

VAR This entry in time of observation column in Station Index means variable.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for these States, price 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

