

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Table 1-Continued

MARYLAND AND DELAWARE
1969

Station	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	
* * * ALLEGHENY PLATEAU 08																											
BITTINGER 2 NW	M		25.1M		30.2		49.1M		57.2		64.3		67.0M		65.6		57.9		46.8M		34.9		22.7				
DAKLAND 1 SE		- 3.9	27.1	- 2.7	30.3	- 5.8	49.0	1.8	57.1	.2	64.9	.0	68.8	.8	65.4	- 1.6	59.3	- 1.5	49.1	- 1.5	36.5	- 2.8	23.9	- 6.3	46.4	- 1.9	
SAVAGE RIVER DAM			28.6		32.4		50.9		58.5		66.9		71.2		68.0		61.8		49.6		38.4		26.5		48.0		
SINES DEEP CREEK 2	M		27.7	- .8	30.8	- 4.0	49.3	3.1	56.7M	.4	65.2	1.0	68.8	1.1	65.1	- 1.0	59.3	- .3	48.2M	- 1.1	36.3	- 1.8					
DIVISION		- 4.3	27.1	- 1.6	30.9	- 4.2	49.6	3.0	57.4	.8	65.3	.7	69.0	1.1	65.8	- .8	59.6	- .8	48.4	- 1.6	36.5	- 2.1	24.4	- 5.0	46.5	- 1.2	
DELAWARE																											
* * * NORTHERN 01																											
MIDDLETOWN 1 WSW	31.6M		33.8		40.6		55.7		64.2M		73.8M		76.1		74.3		67.7		56.2		45.1M		33.7		54.4M		
NEWARK UNIVERSITY FARM	30.8		33.4		39.9		55.0		63.5		72.8		74.9		74.2		65.9M		55.6		44.9		32.2M		53.6M		
WILMOTON NCASTLE HB AP	30.8	- 2.6	33.6	- .2	39.6	- 1.7	55.1	3.0	64.2	1.5	73.4	2.0	75.7	.3	75.4	1.1	68.2	.6	56.0		44.6	- .8	32.7	- 2.4	54.1	.0	
WILMOTON PORTER RESVR	29.9		32.3		38.1		54.4		63.5		72.2		74.0		73.6		66.3		54.6		43.5		31.2		52.8		
DIVISION	30.8	- 3.1	33.3	- 1.0	39.6	- 2.1	55.1	2.8	63.9	1.0	73.1	1.6	75.2	.8	74.4	.1	67.0	- 1.0	55.6	- 1.6	44.5	- 1.5	32.5	- 3.1	53.8	.7	
* * * SOUTHERN 02																											
BRIDGEVILLE 1 NW	32.4	- 4.1	34.2	- 2.9	39.6	- 4.0	55.8	2.2	63.7	.0	74.9	2.7	76.7	.5	74.1	- .4	67.2	- 1.2	55.1	- 2.9	44.9	- 2.6	34.3	- 3.5	54.4	- 1.4	
DOVER	32.9	- 3.5	34.5	- 2.3	41.2	- 2.5	56.6	2.5	64.9	.5	74.4	1.5	76.3	.8	75.1	- .3	69.3	- .1	57.6	- 1.1	46.3	- 1.6	34.9	- 3.0	55.3	.9	
GEORGETOWN 5 SW	31.4		33.8		39.0M		54.7		62.3		74.1M		75.8		73.4		66.9		54.7		43.9		33.1M		53.6M		
LENES 1 SW	32.8		33.8		39.6		54.8		62.0		72.5		75.4		74.1		68.2		56.9		46.6		36.0		54.4		
MILFORD 2 WSW	32.6		34.3		40.3		56.5M		64.1		74.0		75.6		73.7		67.4		55.7		44.7		34.8		54.5M		
SELBYVILLE	34.1		35.5		40.8		56.3		63.0		74.1		76.7		75.0		68.5		58.0		47.1		36.8		55.5		
DIVISION	32.7	- 4.1	34.4	- 2.8	40.1	- 3.7	55.8	2.1	63.3	- .6	74.0	1.6	76.1	.5	74.2	- .7	67.9	- 1.0	56.3	- 2.1	45.6	- 2.3	35.0	- 3.1	54.6	- 1.5	

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.

A SPECIAL WEATHER SUMMARY DESCRIBING UNUSUAL WEATHER WAS PUBLISHED IN ALL THE 1969 MONTHLY ISSUES OF THIS BULLETIN EXCEPT FOR APRIL AND NOVEMBER.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1969

Table 2-Continued

Station	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	
	EDGEMONT	1.30		1.12		1.72		2.30		1.84	2.93	4.63		3.88	3.53	1.65	3.37	5.61	33.94								
FROSTBURG	1.53	1.63	1.80	.90	2.18	1.77	1.24	2.33	1.93	2.40	3.25	1.10	3.18	2.79	1.29	3.02	1.17	1.57	1.76	2.98	.37	6.25	3.39	33.52	8.12		
HAGERSTOWN	1.50		1.90		1.71		2.05		1.80	2.40	5.37		3.86	3.12	1.46	2.89	4.97	32.33									
HANDCOCK FRUIT LAB	1.04	1.69	1.84	1.26	1.98	1.46	1.10	1.98	1.46	2.42	2.01	1.79	4.96	1.44	3.95	.56	1.11	1.79	1.51	1.77	2.98	4.35	5.15	2.65E	28.09	9.10	
PICARDY	1.38		.98		1.90		1.46		1.60		2.61		6.14		4.57		2.64		1.21		2.09		5.38		31.96		
WESTERNPORT UPRC	.81		.69		1.42		.99		1.37	2.60	4.17		4.34		2.88		1.22		1.14		1.14		4.46		25.89		
WILLIAMSPORT	.87		.90		1.32		2.04		1.88	2.21	5.92		5.15		1.87		1.84		1.84		2.53		4.90		31.43		
DIVISION	1.31	1.49	1.10	1.14	1.82	1.69	1.46	1.79	1.87	2.11	2.41	1.42	5.38	1.72	3.91	.02	2.82	1.46	1.43	1.64	2.47	.09	5.37	2.69	31.15	7.40	
* * *																											
ALLEGHENY PLATEAU 08																											
BITTINGER 2 NW	2.52		2.41		2.43		2.77		1.88	2.64	7.14		2.95	2.50	1.54	3.36	6.65	38.79									
MERRILL	1.19		1.71		1.74		1.82		1.83	2.74	7.15		4.52	2.89	1.49	2.46	5.72	35.06									
OAKLAND 1 SE	2.25	2.13	1.71	1.75	2.64	1.91	3.34	.80	1.70	3.01	2.38	2.30	5.97	1.13	5.68	1.12	3.40	2.25	.87	2.31	.83	6.03	2.32	39.60	8.91		
SAVAGE RIVER DAM	1.52		1.07		1.41		1.77		1.22	2.13	4.28		3.40	3.19	1.56	1.61	4.84	28.10									
SINES DEEP CREEK 2	2.83	1.51	1.69	1.96	2.23	2.30	3.65	.50	1.75	2.92	1.82	3.00	7.04	2.18	3.82	.67	2.86	2.04	1.06	3.10	.03E	5.44	1.88E	38.27	10.58		
DIVISION	2.31	1.74	1.72	1.57	2.18	2.13	2.88	1.12	1.64	2.90	2.24	2.31	6.11	1.54	3.95	.42	2.99	1.26	1.85	1.27	2.60	.38	5.74	2.25	36.21	10.31	
DELAWARE																											
* * *																											
NORTHERN 01																											
MIDDLETOWN 1 WSW	1.50		2.06		1.59		2.32		3.42	2.11	5.55		2.89	4.16	2.00	1.98	6.75	36.33									
NEWARK UNIVERSITY FARM	1.76		1.69		1.12		2.24		3.63	3.92	7.08		2.36	6.24	1.74	1.74	6.16	39.88									
WILMINGTON NCASTLE WB AP	1.68	1.72	1.76	1.19	1.71	2.31	1.59	1.75	3.21	.32	3.62	.43	6.48	2.23	2.34	3.23	6.84	2.89	1.47	1.44	1.79	1.74	7.90	4.87	40.28	4.18	
WILMINGTON PORTER RESVR	2.06	1.41	1.41	1.38	2.05	1.96	1.77	1.97	3.43	.67	4.68	.77	6.87	2.40	2.64	2.68	5.34	1.91	1.45	1.65	2.23	1.44	6.54	3.41	40.47	4.67	
DIVISION	1.75	1.73	1.73	1.12	1.62	2.33	1.96	1.58	3.42	.58	3.58	.25	6.50	2.13	2.50	2.68	5.65	2.17	1.67	1.47	1.94	1.54	6.84	3.74	39.24	5.24	
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SOUTHERN 02																											
BRIDGEVILLE 1 NW	2.86	.68	2.78	.11	3.37	.61	4.25	.82	1.83	1.95	1.39	2.21	5.22	.16	8.65	3.10	2.96	1.06	1.18	2.01	2.06	1.15	8.75	5.72	45.29	.02	
DOVER	1.93	1.77	2.47	.56	3.56	.56	3.20	.22	3.70	.45	4.18	.72	9.06	4.39	5.31	.42	11.85	8.04	1.54	1.73	2.16	1.51	8.34	5.23	57.30	11.16	
GEORGETOWN 5 SW	2.64		2.45		3.24		3.95		1.41	1.95	9.91		8.73	1.26	.86	2.25	7.23	45.98									
LEWES 1 SW	2.54		3.23		3.91		3.95		1.40	2.21	8.18		6.73	3.01	.73	3.74	6.72	46.37									
MILFORD 2 WSW	2.85		3.18		4.09		3.36		1.67	6.14	7.20		8.39	5.41	1.88	2.25	8.39	54.81									
SELBYVILLE	3.95		3.75		4.55		3.83		.90	1.74	9.09		10.73	1.72	1.42	3.24	7.38	52.20									
DIVISION	2.80	.96	2.98	.10	3.79	.40	3.76	.26	1.82	2.07	2.94	.67	8.11	3.27	8.09	2.47	4.39	1.27	2.13	2.62	.95	7.80	4.60	50.37	3.62		

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.

Table 3—Continued

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1969

Station	Highest Date	Lowest Date	Last spring minimum of										First fall minimum of										Number of days between dates						
			16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below		
			Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.									
MARYLAND																													
FROSTBURG	94	7-1+	1	1-4+	3-31	15	4-1	19	4-1	19	4-1	19	5-1	32	10-15	28	10-15	28	10-23	23	10-24	16	10-24	16	207	206	205	197	167
HAGERSTOWN	98	7-18+	4	12-25	2-15	11	2-20	20	3-31	22	4-1	26	4-1	26	10-23	30	10-24	22	10-24	22	11-21	19	12-21	15	309	274	207	206	205
HANCOCK FRUIT LAB	98	7-1	2	12-25	4-1	15	4-1	15	4-1	15	4-21	28	5-1	32	10-15	30	10-18	28	10-24	16	10-24	16	206	206	206	160	167		
PICARDY	102	6-30	3	12-25+	3-12	15	4-1	18	4-1	18	4-1	18	4-20	31	10-15	29	10-24	15	10-24	15	10-24	15	226	206	206	206	178		
WESTERNPORT UPRC	99	6-30	3	12-26	2-15	8	4-1	20	4-1	20	4-1	20	4-25	32	10-15	31	10-24	20	10-24	20	10-24	20	11-15	10	273	206	206	206	173
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ALLEGHENY PLATEAU 08																													
BITTINGER 2 NW	88	6-30	-	-	3-31	10	4-1	17	4-1	17	4-20	25	5-11	32	10-14	23	10-14	23	10-14	23	10-24	14	10-24	14	207	206	196	177	156
OAKLAND 1 SE	90	6-30	-11	2-15	4-1	14	4-1	14	5-1	23	5-1	23	5-27	29	10-9	31	10-15	25	10-23	23	10-24	13	10-24	13	206	206	175	167	135
SAVAGE RIVER DAM	93	7-1	2	12-21+	4-1	16	4-1	16	4-1	16	4-12	28	5-1	31	10-15	28	10-15	28	10-24	17	10-24	17	11-22	13	235	206	206	186	167
SINES DEEP CREEK 2	91	6-30	-8	2-15+	4-1	14	4-1	14	4-12	24	5-1	26	5-27	31	10-9	32	10-15	27	10-15	27	10-18	23	10-24	15	206	206	189	167	135
DELAWARE																													
* * *																													
NORTHERN 01																													
MIDDLETOWN 1 WSW	97	7-18	11	1-6+	2-15	15	3-12	19	4-1	24	4-1	24	4-13	29	10-23	27	10-23	27	10-24	22	11-22	19	12-25	16	313	255	206	205	193
NEWARK UNIVERSITY FARM	96	6-28	9	1-6	2-6	16	4-1	20	4-1	20	4-1	20	4-14	32	10-23	28	10-23	28	10-24	23	11-22	18	12-18	16	315	235	206	205	192
WILMINGTON NCATTLE WB AP	95	6-28	12	1-6+	1-28	14	3-12	19	3-12	19	4-1	23	4-1	25	10-23	28	10-23	28	10-24	24	12-4	20	12-25	16	321	267	226	205	205
WILMINGTON PORTER RESVR	98	7-18	11	1-28+	2-15	16	3-12	18	3-31	24	4-1	26	4-3	32	10-23	26	10-23	26	11-16	24	12-4	17	12-17	16	305	267	230	205	203
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SOUTHERN 02																													
BRIDGEVILLE 1 NW	101	6-28	9	1-6	2-15	15	3-12	19	4-1	22	4-1	22	4-14	31	10-18	32	10-23	25	10-24	19	10-24	19	11-22	16	280	226	206	205	187
DOVER	98	6-28	12	1-6	1-28	14	3-12	18	3-12	18	4-1	25	4-1	25	10-23	31	10-24	25	11-21	24	11-22	19	11-22	16	279	235	206	194	180
GEORGETOWN 5 SW	98	6-28	6	1-6	2-16	16	4-1	20	4-1	20	4-13	28	4-21	32	10-18	30	10-24	21	10-24	21	11-22	16	11-22	16	279	235	206	194	180
LEWES 1 SW	96	6-28	11	1-6	1-12	15	3-12	18	4-1	24	4-1	24	4-13	31	10-23	31	10-30	28	11-21	24	12-21	17	11-22	16	284	234	212	193	187
HILFORD 2 WSW	98	6-28	6	1-6	2-15	16	4-1	20	4-1	20	4-13	28	4-14	29	10-18	30	10-23	24	10-23	24	10-24	19	11-22	14	280	206	205	193	187
SELBYVILLE	97	7-18+	8	1-6	1-28	15	3-12	20	4-1	22	4-13	28	4-14	31	10-23	31	10-24	24	10-24	24	11-22	18	12-21	15	327	255	206	194	192

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MARYLAND														
* * *														
UPPER SOUTHERN 04														
BELTSVILLE	EVAP	-	-	-	-	6.34B	7.49B	6.44B	6.25B	-	3.50	-	-	-
	DEP	-	-	-	-	.51	.90	1.04	.02	-	-.20	-	-	-
	WIND	-	-	-	-	132B	1185	1117	707B	-	-	-	-	-
	MAX	-	-	-	-	84.5	91.0	88.7	-	-	68.3	-	-	-
	MIN	-	-	-	-	56.3	64.3	69.0	-	-	45.9	-	-	-
UPPER MARLBORO 3 NNW	EVAP	-	-	-	4.63B	6.86	6.01	6.18B	6.09B	3.74B	3.06	-	-	-
	WIND	-	-	-	1109B	242	333	252	-	-	-	-	-	-
	MAX	-	-	-	73.5	82.7	90.2	91.5	90.4	83.9	69.0	-	-	-
	MIN	-	-	-	46.5	54.8	64.4	67.7	67.0	59.2	46.6	-	-	-
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APPALACHIAN MOUNTAIN 07														
BOONSBORO	EVAP	-	-	-	3.62	5.34B	5.49	5.36	4.74B	3.36	2.42	-	-	-
	WIND	-	-	-	1154	882B	670	568	439	383	643	-	-	-
	MAX	-	-	-	69.3	81.1	88.5	87.0	86.6	78.2	67.0	-	-	-
	MIN	-	-	-	46.7	55.6	65.7	70.1	67.5	61.6	52.4	-	-	-
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ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM	EVAP	-	-	-	-	6.38B	5.92	6.20B	5.07	3.81B	-	-	-	-
	WIND	-	-	-	-	-	149	925B	1134	1086	1670	-	-	-
	MAX	-	-	-	-	75.9	82.5	84.3	85.7	76.3	65.7	-	-	-
	MIN	-	-	-	-	47.7	59.5	64.5	61.2	57.0	46.4	-	-	-
DELAWARE														
* * *														
NORTHERN 01														
NEWARK UNIVERSITY FARM	EVAP	-	-	-	-	6.30B	6.19B	4.99B	5.59B	-	-	-	-	-
	WIND	-	-	-	-	1316	1059	952	888	-	-	-	-	-
	MAX	-	-	-	-	80.6	90.3	88.5	90.4	-	-	-	-	-
	MIN	-	-	-	-	56.4	65.6	68.3	66.7	-	-	-	-	-
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SOUTHERN 02														
GEORGETOWN 5 SW	EVAP	-	-	-	5.35B	7.17B	8.24B	7.76B	7.29B	5.59	4.06	-	-	-
	WIND	-	-	-	2522B	2299	2347	1825	1572	1672	2186	-	-	-

See Reference Notes Following Station Index

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.

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 monthly averages of daily 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.

NORMALS for all stations are climatological normals based on the period 1931-1960. "DEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

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.

DELAYED DATA AND CORRECTIONS will be carried in the June and December issues of Climatological Data.

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

- No record.
- + Also on earlier date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- E Amount is wholly or partially estimated.
- M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. (The 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. V in annual column means total is for a two-year period.

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

- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- C Data for recording rain gage stations processed for special purposes and published in Hourly Precipitation Data. Length of record for recorder-only stations may be found in the annual issue of Hourly Precipitation Data.

Years of record as shown in the Station Index are approximate since gaps in records may not have been considered in arriving at the totals shown.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402, for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

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. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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