

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1955

Volume LIX No. 10



ASHEVILLE: 1955

## MARYLAND AND DELAWARE - OCTOBER 1955

### WEATHER SUMMARY

#### GENERAL

The month's weather was moderately warm and unusually wet for autumn, and without major storms of a destructive nature.

Temperatures this month averaged moderately warm for the season in both States compared with September's near-normal in Maryland and 1° below normal in Delaware. The highest temperatures this month were only slightly lower than those recorded in September, but the minima were about as usually expected. All of the Delaware stations having temperature normals, and most of those in Maryland, registered temperature excesses for the month but none were large enough to be noteworthy. Extremes this month ranged from 22° to 89° in Maryland, and from 28° to 84° in Delaware.

The precipitation averages of 3.79 inches in Delaware and 4.17 inches in Maryland were unusually large for the season and have been exceeded in October only 13 times in Maryland and 20 times in Delaware since records began in 1895. Even though this month's rainfall seems of little consequence compared to the hurricane deluges in August, it helped sub-soil moisture supplies which had declined seriously prior to August. Monthly totals ranged from 7.55 inches at Towson, Md., to 1.05 inches at Cumberland and Cumberland Police Brks., Md., with the Delaware extremes falling within these values. Although most stations recorded above normal amounts a number of those having precipitation normals showed deficiencies, some of which were more than 1 inch. Practically all the month's precipitation fell as rain since only a few stations recorded traces of hail and Oakland 1 SE had 0.1 inch of snow.

Sunshine was generally above normal and daytime cloudiness less than average.

#### WEATHER DETAILS

Mostly dry and seasonably mild weather prevailed until the edge of a rain area moved in during the evening of the 5th. The next three days were generally wet with mostly moderate rainfall totals for the period resulting from the passage of a warm front and then a cold front. These fronts stemmed from a Low center that moved northeastward from Oklahoma to the Hudson Bay area of Canada, drawing warm air northward on the 6th and 7th ahead of the cold front. As this front passed on the 8th, cooler air followed and returned temperatures to about normal levels for the season through the 10th, and brought clearing skies and abundant sunshine that persisted generally into the 13th.

The month's second, and longest, warm period covered the 11th to 14th generally and extended through the 15th in Delaware, but was less noticeable in the western mountain areas. An intense cold front brought the heaviest rains of the month on the 13th and

14th, accompanied by locally strong winds, particularly along the Atlantic coast, and ended the warm spell. Successive cool and mostly dry air masses covered the Section through the 27th, keeping daily average temperatures somewhat below normal but with most of the cooling being felt at night. Seasonably warm daytime temperatures resulted from the preponderance of sunshine and compensated considerably for the cool nights. The cold front passage on the 24th was accompanied by little rainfall but did generate severe winds in some areas. A strong disturbance that moved northeastward from Kansas drew warm moist air northward over Maryland and Delaware during the 28th-30th. After its main center became stalled over Wisconsin, this storm developed a secondary center over Virginia on the 29th, causing the last appreciable rains of the month which were attended by thunderstorms and hail in some areas. The month ended on a chilly note as cold air moved in after the storm.

#### WEATHER EFFECTS

In spite of the rains, farm work was up to date for the season by the end of the month. Harvesting of corn and soybeans continued but were substantially completed. Apples were benefited by the rains and continued to increase in size practically until picking was completed. Plowing for and seeding of small grains continued but neared completion. Frosts damaged truck crops in the southeast on the 23rd, and earlier frosts and freezes practically ended the 1955 growing season elsewhere in Maryland.

Streamflow in eastern Maryland was above normal as the result of the rains of October 13 and 14. The U. S. Geological Survey reported the ground-water level in the key well near Colesville, Md., was next to the highest of record for the month.

#### STORMS

On the 24th, high winds caused unestimated damage to trees, power lines, roofs, etc., in the Baltimore, Md., area, and minor damage in Wilmington, Del.

Hailstones fell at Baltimore on the 29th with stones as large as golf balls reported in the Halethorpe-Arbutus section of the city.

#### FLOODS

Heavy rains on the 13th-14th caused local flooding in low spots in the Baltimore area, and locally on Rock Creek and the Anacostia River in the Washington, D. C., area. Strong east to southeast winds along the coast in the Wilmington, Del., area caused some flooding at high tide on the morning of the 14th. Although rainfall was heavy over the Monocacy River basin and in the Washington, D. C., area no flooding on the main streams was reported, and damage was minor. - J. E. Stork

# SUPPLEMENTAL DATA

MARYLAND AND DELAWARE  
OCTOBER 1955

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:30 a EST	7:30 a EST	1:30 p EST	7:30 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
ABERDEEN PHILLIPS FIELD, MD.	-	-	-	-	-	-	84	88	56	80	3	5	3	2	0	0	13	-	-
ANNAPOLIS USN ACADEMY, MD.	-	-	-	-	-	-	73	82	66	72	-	-	-	-	-	-	-	-	-
BALTIMORE WB AIRPORT, MD.	NW	8	8.8	56	NW	24	86	86	51	73	6	2	2	2	1	1	14	63	4.5
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	0	1	6	0	1	0	8	-	-
WASHINGTON WB CITY	St	18†	8.9†	34	NW	24	81†	83†	50†	69†	2	4	1	0	2	1	10	65†	4.8†
WILMINGTON WB AIRPORT, DEL.	NW	12	7.2	-	-	-	88	86	55	75	4	4	6	1	0	0	15	-	5.1

† Airport Data

## COMPARATIVE DATA

Table 1

OCTOBER

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
MARYLAND						MARYLAND						MARYLAND					
1895	50.7	82	4	1.93	T	1895	50.7	87	18	5.66	1.1	1895	56.8	94	15	4.83	T
1896	52.4	85	16	1.44	T	1896	59.6	89	21	1.43	0	1896	53.1	86	20	2.35	2.2
1897	56.6	91	20	2.94	T	1897	52.2	86	27	3.31	0	1897	61.8	96	20	1.83	0
1898	56.8	89	17	2.87	T	1898	60.2	91	25	0.84	0.1	1898	57.8	87	14	6.77	T
1899	57.1	88	15	2.60	0	1899	55.7	85	20	1.09	T	1899	54.2	86	19	5.08	T
1900	60.6	91	21	2.03	0	1900	58.3	94	15	1.93	0	1900	54.8	89	17	3.52	T
1901	54.8	92	16	1.14	T	1901	54.8	90	18	2.39	T	1901	55.4	85	23	1.43	T
1902	57.2	89	17	5.72	T	1902	55.9	88	15	0.40	0	1902	59.3	90	24	2.85	T
1903	56.5	89	20	4.06	T	1903	50.9	85	16	5.49	3.4	1903	61.8	94	17	1.47	0
1904	53.6	91	14	2.60	T	1904	55.8	94	21	3.40	0.1	1904	54.1	88	19	3.52	3.0
1905	56.5	93	20	2.80	T	1905	58.6	98	24	6.00	0.6	1905	61.0	97	18	3.49	0
1906	55.3	82	12	5.17	0.1	1906	57.7	90	13	1.02	T	1906	58.1	87	15	2.68	T
1907	51.1	83	15	2.34	T	1907	53.4	85	23	5.58	0.1	1907	59.2	97	22	1.96	T
1908	57.3	90	15	2.34	0	1908	53.9	89	7	0.74	0.1	1908	53.3	89	13	1.18	T
1909	51.5	86	19	1.79	T	1909	59.1	91	22	1.69	T	1909	58.2	98	17	2.65	T
1910	58.8	92	15	3.21	0.1	1910	56.5	88	22	6.35	0.1	1910	60.1	96	18	3.76	T
1911	57.3	85	23	3.47	T	1911	54.7	91	16	2.03	T	1911	57.9	89	22	4.17	T
1912	57.9	93	18	1.54	T	1912	54.6	85	15	1.25	0.1	1912					
1913	57.9	92	13	4.85	0.1	1913	56.0	88	17	2.75	0.1	1913					
1914	59.1	93	19	1.73	T	1914	57.6	85	16	3.24	T	1914					
1915	57.7	88	19	3.85	T	1915	53.4	87	14	7.29	0.1	1915					
1916	55.4	91	19	1.95	T	1916	56.5	92	19	1.75	0	1916					
DELAWARE						DELAWARE						DELAWARE					
1895	51.9	80	27	2.85	T	1895	52.4	83	21	6.99	0	1895	58.7	92	27	4.63	0
1896	54.0	84	28	3.16	0	1896	59.4	85	29	0.89	0	1896	53.6	83	23	2.25	1.6
1897	57.8	90	30	5.90	0	1897	63.3	93	35	2.72	0	1897	63.0	97	24	1.58	0
1898	58.8	88	31	4.18	0	1898	61.0	86	34	1.07	0	1898	58.6	82	24	4.96	0
1899	58.3	83	29	3.61	0	1899	56.8	82	31	1.00	0	1899	55.1	82	30	6.21	0
1900	60.8	85	31	3.09	0	1900	59.3	89	28	1.41	0	1900	55.6	87	25	2.62	0
1901	55.8	82	30	1.59	0	1901	58.0	82	30	3.58	0	1901	56.0	84	28	2.64	0
1902	57.8	84	27	4.89	T	1902	56.9	84	30	0.39	0	1902	59.5	86	33	2.10	0
1903	57.6	86	31	6.23	T	1903	53.0	87	25	4.56	1.7	1903	62.6	88	27	1.87	0
1904	53.8	90	26	2.78	0	1904	56.8	91	26	2.46	0	1904	54.9	80	25	3.81	0
1905	57.8	89	31	2.05	0	1905	59.3	94	36	4.85	0	1905	61.7	88	27	4.32	0
1906	57.3	81	28	4.47	0	1906	58.6	88	25	1.13	0	1906	59.0	85	26	1.75	0
1907	52.1	82	27	2.92	0	1907	55.0	80	28	4.33	0	1907	59.8	91	32	2.83	T
1908	59.2	88	33	1.81	0	1908	54.9	86	23	1.45	0	1908	53.3	87	21	0.76	T
1909	53.2	82	25	1.22	0	1909	60.8	90	33	2.61	0	1909	58.5	86	28	4.00	0
1910	59.8	88	27	5.39	0	1910	58.6	85	30	6.70	0	1910	60.9	92	29	2.23	0
1911	57.2	83	33	2.83	0	1911	58.8	85	26	1.27	0	1911	58.6	84	28	3.79	0
1912	60.0	96	33	2.02	0	1912	55.2	79	28	2.08	T	1912					
1913	59.5	80	30	4.67	0	1913	57.2	84	30	2.92	0	1913					
1914	60.6	87	26	1.77	0	1914	58.8	83	23	3.27	0	1914					
1915	59.4	87	30	4.08	0	1915	55.5	82	26	5.47	T	1915					
1916	57.0	89	29	1.53	0	1916	58.1	86	33	2.33	0	1916					
All Years						All Years						All Years					
Average						Average						Average					
57.6						57.6						57.6					
3.08						3.08						3.08					
0.1						0.1						0.1					



# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE  
OCTOBER 1955

TABLE 2 - 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, Hail			No. of Days		
										Max.		Min.						Total	Max Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	32° or Below										
TONOLOWAY	59.5	40.2	54.9	1.1	85	7	26	23+	323	0	0	6	0	2.16	-1.47	1.43	14	.0	0		4	1	1
TOWSON	71.0	44.1	57.6	1.7	83	7	30	23+	243	0	0	4	0	7.55	4.30	3.95	14	.0	0		6	3	3
UNIONVILLE	59.3	41.8	55.6	.4	83	7+	28	26	302	0	0	4	0	5.30	2.18	3.10	14	.0	0		6	2	1
VIENNA	70.7	48.6M	59.7M		82	11	33	23	186	0	0	0	0	4.34		1.18	14	.0	0		5	4	2
VIERS MILL	72.5M	43.0M	57.8M		85	7	31	31	237	0	0	2	0	5.62				.0	0				
WALDORF POLICE BRKS	71.6	46.4	59.0		84	7	32	23	203	0	0	1	0	5.49		3.74	14	.0	0		6	2	1
WATERLOO POLICE BRKS	68.0	44.5	56.3		79	7+	30	23+	275	0	0	2	0	6.69		4.50	14	.0	0		5	3	2
WESTERN PORT	68.9	43.6	56.3	1.1	86	7	30	26+	278	0	0	4	0	1.38	-1.21	.60	14	.0	0		5	1	0
WESTMINSTER	67.4	45.4	56.4	.7	82	7	33	31	268	0	0	0	0	4.79	1.49	1.90	14	.0	0		5	3	1
WOODSTOCK	70.1	42.9	56.5	1.6	85	7	29	23	271	0	0	4	0	6.06	2.95	3.98	14	.0	0		5	3	1
DISTRICT OF COLUMBIA																							
DALECARLIA RESERVOIR DC	69.5	46.9	58.2		83	7	34	23	226	0	0	0	0	5.63		3.82	14	.0	0		4	2	2
NATIONAL ARBORETUM D C	71.7	48.4	60.1		85	7	35	23	173	0	0	0	0	6.62		5.30	14	.0	0		4	2	2
U S SOLDIERS HOME D C	70.0	48.4	59.2		84	7+	37	23	191	0	0	0	0	5.89		4.01	14	.0	0		7	2	2
WASHINGTON WB CITY DC	71.0	49.6	60.3	1.9	84	7	39	23+	169	0	0	0	0	5.70	2.73	2.78	14	.0	0		4	2	3
MARYLAND AND D C																							
DELAWARE																							
BRIDGEVILLE 1 NW	70.1	46.9	58.5	1.1	81	7+	30	23	215	0	0	1	0	3.46	.34	1.29	1	.0	0		7	3	1
DOVER	71.4	49.4	60.4	2.9	84	7	34	23	170	0	0	0	0	3.27	.37	1.10	30	.0	0		7	3	1
GEORGETOWN 5 SW	71.4	46.6	59.0		84	7	29	23	207	0	0	2	0	5.34		2.33	14	.0	0		7	3	2
LEWES	70.2	47.6	58.9		84	12	31	23	206	0	0	1	0	4.90		2.00	14	.0	0		6	3	2
MIDDLETOWN 2 S	70.1	46.7	58.4		83	7	31	23	221	0	0	1	0	2.46		.70	14	.0	0		6	3	1
MILFORD	71.2	45.7	58.5	.3	84	7	28	23	217	0	0	2	0	2.96	-.34	1.18	1	.0	0		7	3	1
NEWARK COLLEGE FARM	69.4	46.4	57.9	2.5	84	7	30	26	229	0	0	2	0	4.08	.99	1.29	30	.0	0		7	2	2
SELBYVILLE	71.0	46.2	58.6		83	7+	30	23	212	0	0	1	0	5.69		2.96	14	.0	0		7	3	2
WILMINGTON NEWSTL WB AP	69.1	47.1	58.1	1.9	84	7	34	23+	226	0	0	0	0	2.62	-.37	.82	8	.0	0		7	1	0
WILMINGTON PORTER RESVR	67.4	48.8	58.1	1.3	82	7	36	23+	227	0	0	0	0	3.15	.17	1.01	8	.0	0		6	2	1
STATE																							
SECTION																							
			58.6	1.0											3.79	.71			.0				
			58.0	1.4											4.13	1.12			T				

See Reference Notes Following Station Index





DAILY TEMPERATURES

MARYLAND AND DELAWARE
OCTOBER 1955

Table 5-Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows include various locations like DUNDALK, EASTON, FORT GEORGE G MEADE, etc.

See Reference Notes Following Station Index





Table 7

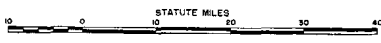
SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE  
OCTOBER 1955

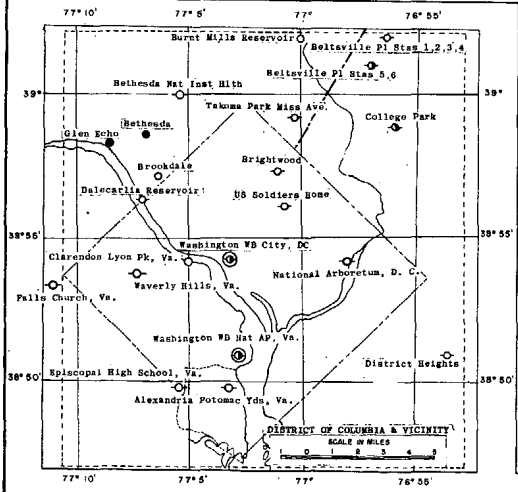
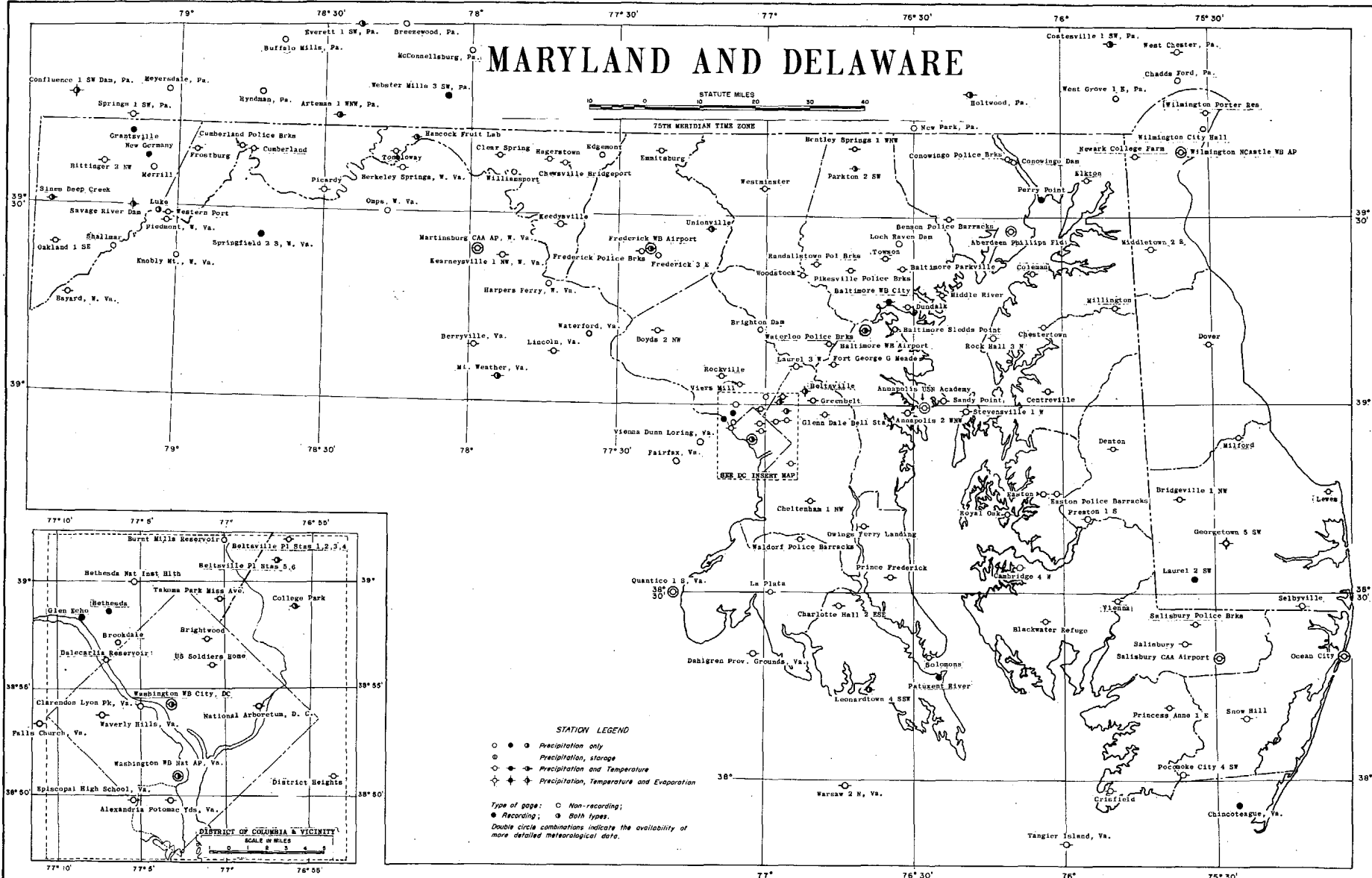
Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																		
CLEAR SPRING	SNOWFALL SN ON GND																									T								
DENTON	SNOWFALL SN ON GND																																T	
EASTON	SNOWFALL SN ON GND																																T	
OAKLAND 1 SE	SNOWFALL SN ON GND																																T	
																																		.1



# MARYLAND AND DELAWARE



75TH MERIDIAN TIME ZONE



**STATION LEGEND**

- ● ○ Precipitation only
- ● ● Precipitation, storage
- ● ● ● Precipitation and Temperature
- ◆ ● ◆ Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;  
● Recording; ● Both types.

Double circle combinations indicate the availability of more detailed meteorological data.