

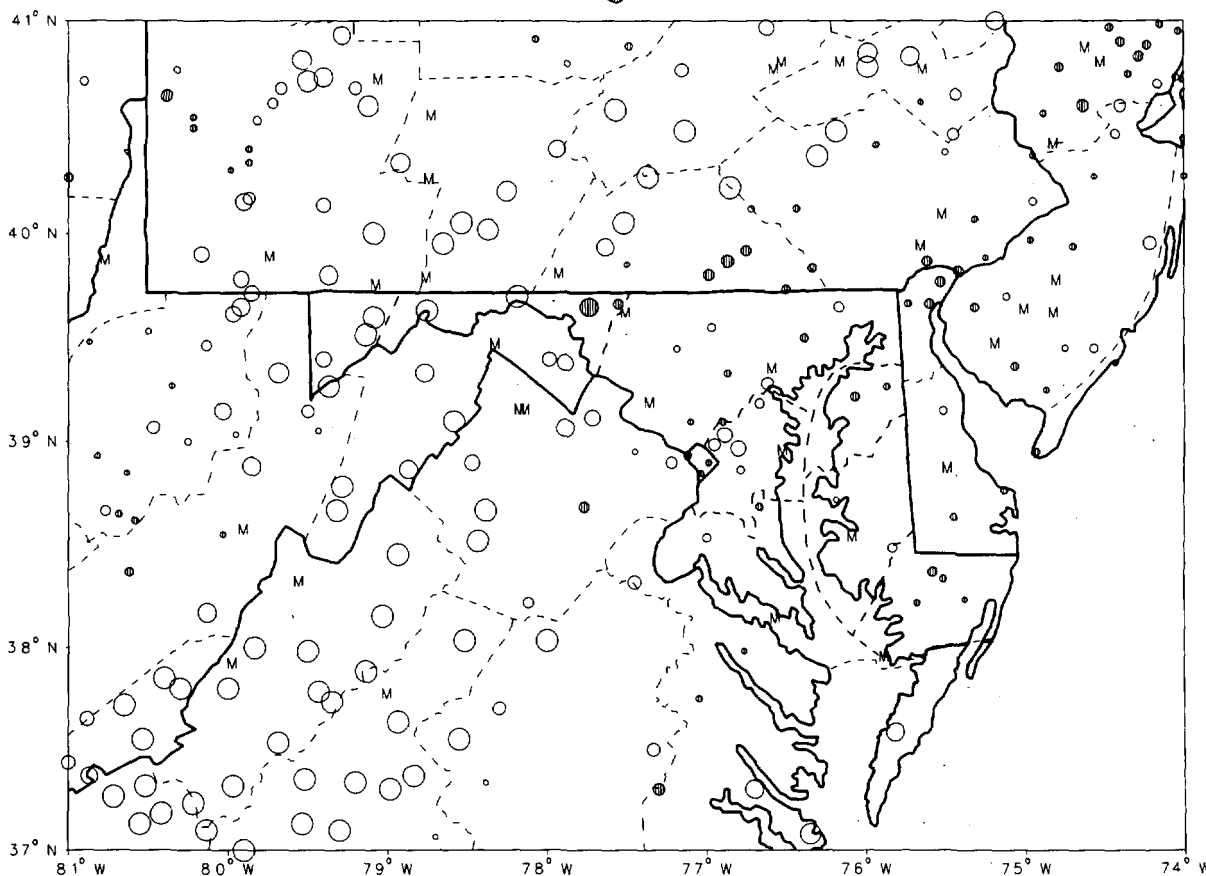


# CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

## SEPTEMBER 1991 VOLUME 95 NUMBER 9

### MONTHLY PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980)

- M INCOMPLETE DATA FOR THE MONTH
- ∇ EXACTLY NORMAL
- ○ ○ ○ 5, 10, 20, ... 50% OR MORE BELOW NORMAL
- ● ● ● 10, 20, 40, ... 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). IT IS COMPILED USING INFORMATION FROM WEATHER OBSERVING SITES SUPERVISED BY NOAA/NATIONAL WEATHER SERVICE AND RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER (NCDC), ASHEVILLE, NORTH CAROLINA 28801."

*Kenneth D. Halpern*

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

# noaa

NATIONAL  
OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL  
ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE NORTH CAROLINA

# TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

MARYLAND  
HIGHEST TEMPERATURE 99  
LOWEST TEMPERATURE 29  
GREATEST TOTAL PRECIPITATION 8.62  
LEAST TOTAL PRECIPITATION .81  
GREATEST 1 DAY PRECIPITATION 7.07

DELAWARE  
HIGHEST TEMPERATURE 95  
LOWEST TEMPERATURE 39  
GREATEST TOTAL PRECIPITATION 5.99  
LEAST TOTAL PRECIPITATION 3.84  
GREATEST 1 DAY PRECIPITATION 2.17

SEPTEMBER 17  
SEPTEMBER 28

SEPTEMBER 19

SEPTEMBER 17  
SEPTEMBER 29+

SEPTEMBER 25

3 STATIONS  
OAKLAND 1 SE  
HAGERSTOWN  
SAVAGE RIVER DAM  
HAGERSTOWN

DOVER  
3 STATIONS  
WILMINGTON PORTER RSVR  
DOVER  
WILMINGTON PORTER RSVR

# MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                   | TEMPERATURE (°F)   |                    |         |                          |                 |                |                        |                        |                |                |                |               | PRECIPITATION (IN) |                          |                      |            |                            |                |
|---------------------------|--------------------|--------------------|---------|--------------------------|-----------------|----------------|------------------------|------------------------|----------------|----------------|----------------|---------------|--------------------|--------------------------|----------------------|------------|----------------------------|----------------|
|                           | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | AVERAGE | DEPARTURE<br>FROM NORMAL | HIGHEST<br>DATE | LOWEST<br>DATE | HEATING<br>DEGREE DAYS | COOLING<br>DEGREE DAYS | NO. OF DAYS    |                |                |               | TOTAL              | DEPARTURE<br>FROM NORMAL | GREATEST DAY<br>DATE | SNOW SLFFT |                            |                |
|                           |                    |                    |         |                          |                 |                |                        |                        | 90 OR<br>ABOVE | 32 OR<br>BELOW | 32 OR<br>BELOW | 0 OR<br>BELOW |                    |                          |                      | TOTAL      | MAX.<br>DEPTH<br>ON GROUND | NO. OF<br>DAYS |
| MARYLAND                  |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| SOUTHERN EASTERN SHORE 01 |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| ASSATEAGUE IS NATL SEA    | 76.9               | 60.5               | 68.7    |                          | 92 17+          | 42 23          | 52                     | 169                    | 2              | 0              | 0              | 0             | 2.86               |                          | 1 76 24              | .0         | 0                          | 6 3 0          |
| PRINCESS ANNE             | 81.9               | 56.7               | 69.3    | -.7                      | 93 1            | 41 23          | 50                     | 170                    | 4              | 0              | 0              | 0             | 4.55               | -.56                     | 1 77 24              | .0         | 0                          | 5 3 3          |
| SALISBURY                 | 80.4               | 58.7               | 69.5    | -.3                      | 93 17           | 43 28          | 50                     | 183                    | 4              | 0              | 0              | 0             | 5.35               | -.76                     | 1 77 24              | .0         | 0                          | 5 3 3          |
| SALISBURY FAA ARPT        | 79.3               | 56.7               | 67.5    | -1.1                     | 91 17           | 40 28          | 50                     | 141                    | 4              | 0              | 0              | 0             | 4.70               | -.76                     | 1 77 24              | .0         | 0                          | 5 3 3          |
| SNOW HILL 4 N             | 81.3               | 56.5               | 68.9    | -.1                      | 93 1            | 37 28          | 53                     | 179                    | 5              | 0              | 0              | 0             | 3.65               | -.12                     | 1 77 24              | .0         | 0                          | 6 4 1          |
| --DIVISIONAL DATA-->      |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| CENTRAL EASTERN SHORE 02  |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| CAMBRIDGE WATER TRMT P    | 79.0               | 59.6               | 69.3    | -1.0                     | 92 17           | 43 28          | 42                     | 179                    | 2              | 0              | 0              | 0             | 3.66               | -.06                     | 1 42 26              | M          | M                          | 7 3 1          |
| ROYAL OAK 2 SSW           | 81.3               | 53.2               | 67.3    | -2.6                     | 90 17+          | 36 28+         | 55                     | 131                    | 2              | 0              | 0              | 0             | 3.50               | -.47                     | 1 19 25              | .0         | 0                          | 5 3 2          |
| --DIVISIONAL DATA-->      |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| LOWER SOUTHERN 03         |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| LA PLATA 1 W              | 78.5               | 58.4               | 68.5    | -.3                      | 93 17           | 42 28          | 55                     | 167                    | 3              | 0              | 0              | 0             | 3.10               | -.34                     | 1 99 25              | .0         | 0                          | 9 1 0          |
| MECHANICSVILLE 5 NE       | 78.2               | 57.8               | 68.0    |                          | 93 17           | 38 28          | 61                     | 159                    | 2              | 0              | 0              | 0             | 2.65               |                          | 1 06 25              | .0         | 0                          | 6 2 1          |
| OWINGS FERRY LANDING      | 79.2               | 57.8               | 68.5    | -.3                      | 94 17           | 40 28          | 52                     | 163                    | 4              | 0              | 0              | 0             | 4.45               | -.93                     | 1 55 18              | .0         | 0                          | 6 2 2          |
| --DIVISIONAL DATA-->      |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| UPPER SOUTHERN 04         |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| ANNAPOLIS POLICE BRKS     |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| BALTIMORE WSO ARPT        | 79.9               | 58.1               | 69.0    | .1                       | 98 16           | 42 28          | 49                     | 177                    | 2              | 0              | 0              | 0             | 3.05               | -.41                     | 1 88 25              | M          | M                          | 6 3 0          |
| BELTSVILLE                | 80.0               | 56.5               | 68.3    | 1.1                      | 96 18+          | 38 28          | 61                     | 166                    | 3              | 0              | 0              | 0             | 2.59               | -1.12                    | 1 06 25              | .0         | 0                          | 5 2 1          |
| COLLEGE PARK              | 81.0               | 59.6               | 70.3    | 1.1                      | 99 17           | 42 28          | 46                     | 213                    | 4              | 0              | 0              | 0             | 2.84               | -.72                     | 1 33 25              | .0         | 0                          | 5 2 1          |
| DALECARLIA RESVR DC       | 81.6               | 52.2               | 66.9    | -2.3                     | 97 17           | 36 27          | 79                     | 143                    | 5              | 0              | 0              | 0             | 4.28               | -.86                     | 2 22 25              | .0         | 0                          | 7 2 1          |
| GLENN DALE BELL STN       | 79.8               | 55.5               | 67.7    | -.3                      | 95 16           | 37 22          | 76                     | 161                    | 4              | 0              | 0              | 0             | 2.56               | -1.10                    | 1 33 25              | .0         | 0                          | 6 2 0          |
| LAUREL 3 W                | 80.5               | 56.7               | 68.6    | -1.0                     | 98 16           | 41 28          | 52                     | 166                    | 3              | 0              | 0              | 0             | 4.28               | -.90                     | 1 55 25              | .0         | 0                          | 6 3 1          |
| NATIONAL ARBORETUM DC     | 81.4               | 58.7               | 70.1    | .0                       | 97 18+          | 42 28+         | 44                     | 200                    | 3              | 0              | 0              | 0             | 3.88               | -.30                     | 1 33 26              | .0         | 0                          | 4 4 2          |
| UPPER MARLBORO 3 NNW      | 80.4               | 54.7               | 67.6    |                          | 96 1            | 36 28          | 70                     | 151                    | 4              | 0              | 0              | 0             | 3.45               | -.28                     | 1 59 26              | .0         | 0                          | 7 4 0          |
| --DIVISIONAL DATA-->      |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| NORTHERN EASTERN SHORE 05 |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| CHESTERTOWN               | 79.2               | 57.4               | 68.3    | -1.0                     | 95 16           | 42 28+         | 47                     | 154                    | 4              | 0              | 0              | 0             | 5.15               | 1.57                     | 1 52 25              | .0         | 0                          | 8 5 1          |
| MILLINGTON 1 SE           | 78.9               | 55.9               | 67.4    | -.6                      | 93 17           | 39 22          | 68                     | 146                    | 2              | 0              | 0              | 0             | 4.50               | -.71                     | 2 23 25              | .0         | 0                          | 5 2 1          |
| --DIVISIONAL DATA-->      |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| NORTHERN CENTRAL 06       |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| ABERDEEN PHILLIPS FLD     |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| BALTIMORE WSO CITY        | 80.3               | 64.9               | 72.6    | .9                       | 92 18+          | 43 27          | 16                     | 249                    | 3              | 0              | 0              | 0             | 4.74               |                          | 1 19 25              | M          | M                          | 6 4 2          |
| BENSON POLICE BARRACKS    | 80.8               | 58.3               | 69.6    | 2.1                      | 94 18+          | 43 28          | 43                     | 186                    | 4              | 0              | 0              | 0             | 5.64               | 1.46                     | 1 96 25              | .0         | 0                          | 6 4 2          |
| CATOCTIN MOUNTAIN PARK    |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |
| CLARKSVILLE 3 NNE         | 79.4               | 53.4               | 66.4    | .8                       | 97 17           | 34 28          | 87                     | 138                    | 3              | 0              | 0              | 0             | 4.80               |                          | 2 92 25              | .0         | 0                          | 5 2 2          |
| CONOWINGO DAM             | 81.6               | 51.1               | 66.4    |                          | 96 17           | 35 28          | 66                     | 116                    | 4              | 0              | 0              | 0             | 3.32               |                          | 1 92 24              | M          | M                          | 5 2 0          |
| DAMASCUS 2 SW             | 77.0               | 56.2               | 66.6    |                          | 94 16           | 39 28          | 80                     | 137                    | 2              | 0              | 0              | 0             | 3.26               | -.57                     | 1 55 25              | .0         | 0                          | 4 3 1          |
| EMMITSBURG 2 SE           | 77.0               | 53.9               | 65.5    |                          | 93 16           | 36 28          | 105                    | 124                    | 3              | 0              | 0              | 0             | 4.85               |                          | 1 66 25              | .0         | 0                          | 5 3 2          |
| FREDERICK POLICE BRKS     | 80.5               | 57.2               | 68.9    |                          | 96 16           | 40 28          | 59                     | 179                    | 4              | 0              | 0              | 0             | 2.43               |                          | 1 90 25              | .0         | 0                          | 5 2 0          |
| MILLERS 4 NE              | 74.6               | 55.0               | 64.8    |                          | 90 16           | 37 28          | 103                    | 105                    | 1              | 0              | 0              | 0             | 6.18               |                          | 1 91 19              | .0         | 0                          | 6 4 3          |
| ROCKVILLE 1 NE            | 76.9               | 57.7               | 67.3    | -.4                      | 94 17           | 41 28          | 70                     | 147                    | 2              | 0              | 0              | 0             | 3.81               | .35                      | 1 28 25              | .0         | 0                          | 5 3 2          |
| TOWSON                    |                    |                    |         |                          |                 |                |                        |                        |                |                |                |               |                    |                          |                      |            |                            |                |

SEE REFERENCE NOTES FOLLOWING STATION INDEX.

# MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                 | TEMPERATURE (°F)   |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      | PRECIPITATION (IN) |                        |      |             |             |              |   |   |
|-------------------------|--------------------|--------------------|---------|--------------------------|-----------------|----------------|------------------------|------------------------|--------------------|--------------------|-------|--------------------------|----------------------|--------------------|------------------------|------|-------------|-------------|--------------|---|---|
|                         | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | AVERAGE | DEPARTURE<br>FROM NORMAL | HIGHEST<br>DATE | LOWEST<br>DATE | HEATING<br>DEGREE DAYS | COOLING<br>DEGREE DAYS | NO. OF DAYS        |                    | TOTAL | DEPARTURE<br>FROM NORMAL | GREATEST DAY<br>DATE | SNOW SLEET         |                        |      |             |             |              |   |   |
|                         |                    |                    |         |                          |                 |                |                        |                        | 90 OR ABOVE<br>MAX | 32 OR BELOW<br>MIN |       |                          |                      | TOTAL              | MAX DEPTH<br>ON GROUND | DATE | .10 OR MORE | .50 OR MORE | 1.00 OR MORE |   |   |
| UNIONVILLE              | 77.3               | 53.0               | 65.2    | -1.1                     | 94 16           | 34 28          | 105                    | 115                    | 2                  | 0                  | 0     | 3.39                     | -1.12                | 1 3 9              | 2 5                    | .0   | 0           | 0           | 7            | 2 | 1 |
| WESTMINSTER POLICE BRK  | 78.6               | 56.6               | 67.7    | 1.4                      | 94 18+          | 41 28          | 67                     | 157                    | 2                  | 0                  | 0     | 3.49                     | -1.34                | 1 6 9              | 2 5                    | .0   | 0           | 0           | 6            | 2 | 1 |
| WOODSTOCK               | 79.6               | 56.0               | 67.8    | 1.0                      | 96 17           | 38 28          | 67                     | 158                    | 2                  | 0                  | 0     | 4.92                     | -1.92                | 2 9 9              | 2 5                    | .0   | 0           | 0           | 4            | 3 | 1 |
| --DIVISIONAL DATA-->    |                    |                    | 67.4    | .0                       |                 |                |                        |                        |                    |                    |       | 4.13                     | .30                  |                    |                        | .0   | 0           | 0           |              |   |   |
| APPALACHIAN MOUNTAIN 07 |                    |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      |                    |                        |      | 0           |             |              |   |   |
| CUMBERLAND 2            | 80.7               | 52.6               | 66.7    | .1                       | 97 16           | 38 28          | 98                     | 156                    | 7                  | 0                  | 0     | 1.12                     | -1.80                | .26 20             |                        | .0   | 0           | 0           | 4            | 0 | 0 |
| FROSTBURG 2             | 73.1               | 50.4               | 61.3    | -                        | 89 17           | 38 28          | 99                     | 64                     | 0                  | 0                  | 0     | 1.61                     |                      | .71 14             |                        | .0   | 0           | 0           | 6            | 1 | 0 |
| HAGERSTOWN              | 78.6               | 54.0               | 66.3    | -1.5                     | 95 17           | 33 28          | 98                     | 145                    | 3                  | 0                  | 0     | 8.62                     | -5.32                | 7 0 7 19           |                        | .0   | 0           | 0           | 7            | 1 | 1 |
| HANCOCK                 | 78.6               | 50.5               | 64.7    | -1.2                     | 99 17           | 33 28          | 132                    | 129                    | 4                  | 0                  | 0     | 1.39                     | -1.83                | .44 19             |                        | .0   | 0           | 0           | 6            | 0 | 0 |
| --DIVISIONAL DATA-->    |                    |                    | 64.8    | -.9                      |                 |                |                        |                        |                    |                    |       | 3.19                     | .00                  |                    |                        | .0   | 0           | 0           |              |   |   |
| ALLEGHENY PLATEAU 08    |                    |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      |                    |                        |      |             |             |              |   |   |
| MC HENRY 2 NW           | 70.9               | 50.3               | 60.6    |                          | 85 17           | 33 28          | 182                    | 56                     | 0                  | 0                  | 0     | 1.30                     |                      | .27 5              |                        | .0   | 0           | 0           | 6            | 0 | 0 |
| OAKLAND 1 SE            | 73.4               | 48.5               | 61.0    | .5                       | 85 16           | 33 28          | 170                    | 54                     | 0                  | 0                  | 4     | 2.13                     | -1.98                | .53 19             |                        | .0   | 0           | 0           | 8            | 1 | 0 |
| SAVAGE RIVER DAM        | 76.1               | 49.1               | 62.6    | .6                       | 90 17           | 35 28          | 150                    | 84                     | 1                  | 0                  | 0     | .81                      | -2.18                | .25 5              |                        | .0   | 0           | 0           | 4            | 0 | 0 |
| --DIVISIONAL DATA-->    |                    |                    | 61.4    | .8                       |                 |                |                        |                        |                    |                    |       | 1.41                     | -1.75                |                    |                        | .0   | 0           | 0           |              |   |   |
| DELAWARE                |                    |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      |                    |                        |      |             |             |              |   |   |
| NORTHERN 01             |                    |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      |                    |                        |      |             |             |              |   |   |
| NEWARK UNIVERSITY FARM  | 79.9               | 55.2               | 67.6    | -.3                      | 93 16           | 39 28          | 65                     | 150                    | 4                  | 0                  | 0     | 4.42                     | .81                  | 1 2 2 18           |                        | .0   | 0           | 0           | 6            | 4 | 2 |
| WILMINGTON WSO ARPT     | 77.2               | 57.1               | 67.2    | -.7                      | 92 17+          | 42 28          | 64                     | 135                    | 2                  | 0                  | 0     | 5.35                     | 1.77                 | 2 0 3 25           |                        | .0   | 0           | 0           | 7            | 5 | 1 |
| WILMINGTON PORTER RSVR  | 76.9               | 57.0               | 67.0    | .1                       | 92 17           | 43 28          | 62                     | 129                    | 2                  | 0                  | 0     | 5.99                     | 2.18                 | 2 1 7 25           |                        | .0   | 0           | 0           | 7            | 6 | 2 |
| --DIVISIONAL DATA-->    |                    |                    | 67.3    | -.5                      |                 |                |                        |                        |                    |                    |       | 5.26                     | 1.67                 |                    |                        | .0   | 0           | 0           |              |   |   |
| SOUTHERN 02             |                    |                    |         |                          |                 |                |                        |                        |                    |                    |       |                          |                      |                    |                        |      |             |             |              |   |   |
| DOVER                   | 80.2               | 58.3               | 69.3    | -.3                      | 95 17           | 42 28          | 44                     | 181                    | 4                  | 0                  | 0     | 3.84                     | -.30                 | 1 2 8 26           |                        | .0   | 0           | 0           | 5            | 4 | 1 |
| GEORGETOWN 5 SW         | 79.3               | 54.6               | 67.0    | -1.4                     | 92 18           | 39 28          | 74                     | 140                    | 3                  | 0                  | 0     | 4.28                     | .77                  | 1 6 5 26           |                        | .0   | 0           | 0           | 4            | 4 | 2 |
| GREENWOOD 2 NE          | 77.5               | 55.5               | 66.5    |                          | 92 17           | 39 28          | 71                     | 127                    | 1                  | 0                  | 0     | 4.83                     |                      | 1 5 7 26           |                        | .0   | 0           | 0           | 7            | 3 | 2 |
| LEWES                   | 79.1               | 60.4               | 69.8    | 1.4                      | 93 17           | 45 28          | 30                     | 180                    | 3                  | 0                  | 0     | 4.00                     | .74                  | 1 3 8 26           |                        | .0   | 0           | 0           | 4            | 4 | 1 |
| --DIVISIONAL DATA-->    |                    |                    | 68.2    | -.5                      |                 |                |                        |                        |                    |                    |       | 4.24                     | .57                  |                    |                        | .0   | 0           | 0           |              |   |   |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY PRECIPITATION (INCHES)

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| 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 |  |  |
| MARYLAND                  |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| SOUTHERN EASTERN SHORE 01 |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| ASSATEAGUE IS NATL SEA    | 2.86  |              |   |   |   | .28  | .16  |     |     |     |    |    |    |     | .62 |    |     |    |     | .26  | .05  |      |     | .05 | .76 | .65  | .03  |      |      |     |    |    |  |  |
| PRINCESS ANNE             | 4.53  |              |   |   |   | .02  | .32  |     |     |     |    |    |    | .10 |     |    |     |    |     |      | 1.73 | .01  |     |     |     | 1.00 | 1.35 |      |      |     |    |    |  |  |
| SALISBURY                 | 5.35  | .02          |   |   |   | .05  | .37  | T   |     |     |    |    |    | .02 | T   |    |     |    | .31 |      | 2.05 | .02  |     |     | T   | 1.05 | 1.46 |      |      |     |    |    |  |  |
| SALISBURY FAA ARPT        | 4.70  |              |   |   |   | .01  | .30  |     |     |     |    |    |    | .18 |     |    |     |    | .02 | 1.39 | .35  |      |     |     | .73 | 1.26 | .46  |      |      |     |    |    |  |  |
| SNOW HILL 4 N             | 3.65  | .07          |   |   |   | .52  | .25  |     |     |     |    |    |    | .50 |     |    |     |    |     |      | .45  |      |     | T   | .01 | 1.15 | .70  |      |      |     |    |    |  |  |
| CENTRAL EASTERN SHORE 02  |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| CAMBRIDGE WATER TRMT P    |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| ROYAL OAK 2 SSW           | 3.66  |              |   |   |   | .14  | .28  |     |     |     |    |    |    | .10 |     |    |     |    |     | .63  | .19  | .04  |     |     |     | .86  | 1.42 |      |      |     |    |    |  |  |
| VIENNA                    | 3.50  |              |   |   |   | .02  | .53  | .04 |     |     |    |    |    | .07 |     |    |     |    |     | .20  |      | .31  |     | T   | .05 | 1.19 | 1.09 |      |      |     |    |    |  |  |
| LOWER SOUTHERN 03         |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| LA PLATA 1 W              |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| MECHANICSVILLE 5 NE       | 3.10  | .15          |   |   |   | .22  | .47  |     |     |     |    |    |    | .12 |     |    |     |    |     | .32  | .30  | .13  |     |     | .02 | .01  | .99  | .37  |      |     |    |    |  |  |
| OWINGS FERRY LANDING      | 2.65  | T            |   |   |   | .20  | .24  |     |     |     |    |    |    | T   |     |    |     |    |     | .27  | .18  | .04  |     |     | .01 | .09  | 1.06 | .56  |      |     |    |    |  |  |
| UPPER SOUTHERN 04         |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| ANNAPOLIS POLICE BRKS     |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| BALTIMORE WSO ARPT        | 4.45  |              |   |   |   | .36  | .17  |     |     |     |    |    |    |     |     |    |     |    |     | 1.55 | .07  | .36  |     |     |     | .02  | 1.47 | .45  |      |     |    |    |  |  |
| BALTIMORE WSO ARPT        |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| BELTSVILLE                | 3.05  |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| COLLEGE PARK              | 2.59  |              |   |   |   | .33  | .19  | T   |     |     |    |    |    | T   |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| COLLEGE PARK              | 2.84  |              |   |   |   | .61  | .05  |     |     |     |    |    |    | T   |     |    |     |    |     |      | .34  | T    | .14 |     |     |      | .03  | 1.06 | .39  |     |    |    |  |  |
| DALECARLIA RESVR DC       | 4.28  |              |   |   |   |      | .79  | .10 |     |     |    |    |    |     | .10 |    |     |    |     |      | .30  | .45  | .03 |     |     | .03  | 2.22 | .26  |      |     |    |    |  |  |
| GLENN DALE BELL STN       | 2.56  |              |   |   |   |      | .66  | .13 |     |     |    |    |    |     | .02 |    |     |    |     |      | .48  | T    | .10 |     |     | .04  | .68  | .45  |      |     |    |    |  |  |
| LAUREL 3 W                | 4.28  |              |   |   |   | .48  | .27  |     |     |     |    |    |    |     | .08 |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| NATIONAL ARBORETUM DC     | 3.88  |              |   |   |   |      | .59  | .07 | .09 |     |    |    |    |     |     |    |     |    |     |      | .62  | .07  |     |     |     |      | .03  | 1.08 | 1.33 |     |    |    |  |  |
| UPPER MARLBORO 3 NNH      | 3.45  |              |   |   |   |      | .53  | .38 | .51 |     |    |    |    |     |     |    |     |    |     |      | .54  |      | .40 |     |     | .01  | .05  | .44  | .59  |     |    |    |  |  |
| NORTHERN EASTERN SHORE 05 |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| CHESTERTOWN               |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| MILLINGTON 1 SE           | 5.15  |              |   |   |   | T    | .22  | T   |     |     |    |    |    |     | .70 |    |     |    |     | .78  | .05  | .71  | .19 |     |     |      |      |      |      |     |    |    |  |  |
| MILLINGTON 1 SE           | 4.50  |              |   |   |   |      | .23  | T   |     |     |    |    |    |     | .44 |    |     |    |     |      | .18  | T    | *   | .42 |     |      |      |      |      |     |    |    |  |  |
| NORTHERN CENTRAL 06       |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| ABERDEEN PHILLIPS FLD     |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| BALTIMORE WSO CITY        | 4.74  |              |   |   |   |      | .62  | .03 |     |     |    |    |    |     | *   | *  | .51 |    |     |      | 1.18 | .24  | .38 | *   | *   | .01  | 1.19 | .58  |      |     |    |    |  |  |
| BENSON POLICE BARRACKS    | 2.90  |              |   |   |   | .45  | .06  | .06 |     |     |    |    |    |     |     |    |     |    |     | .32  | .28  | .02  |     |     |     | .92  | .77  | .02  |      |     |    |    |  |  |
| BENSON POLICE BARRACKS    | 5.64  |              |   |   |   |      | .92  | .02 | .02 | .03 |    |    |    |     | .74 |    |     |    |     |      | 1.25 | .09  | .16 |     |     | .07  | 1.96 | .35  | .03  |     |    |    |  |  |
| CATOCTIN MOUNTAIN PARK    |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| CLARKSVILLE 3 NNE         | 4.80  |              |   |   |   |      | 1.12 | .01 |     |     |    |    |    | .01 |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| CONOWINGO DAM             | 3.32  |              |   |   |   | .40  | .09  |     |     |     |    |    |    |     | .67 |    |     |    |     |      | .19  | .23  | .03 |     |     | T    | 2.92 | .28  |      |     |    |    |  |  |
| DAMASCUS 2 SW             | 3.26  |              |   |   |   | .70  | .57  | .05 |     |     |    |    |    | .02 |     |    |     |    |     |      | .09  | .02  | .03 |     |     |      | .05  | .03  | 1.53 | .13 |    |    |  |  |
| EMMITSBURG 2 SE           | 4.85  |              |   |   |   |      | 1.60 | .28 |     |     |    |    |    |     |     |    |     |    |     |      | .45  | 1.50 |     |     |     |      |      | .95  |      |     |    |    |  |  |
| FREDERICK POLICE BRKS     |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| MILLERS 4 NE              | 2.43  |              |   |   |   | .68  | .43  | .12 |     |     |    |    |    | .02 |     |    |     |    |     |      |      |      |     |     |     |      | .11  | .90  | .08  |     |    |    |  |  |
| POTOMAC FILTER PLANT      | 6.18  |              |   |   |   | .08  | .85  | .48 |     |     |    |    |    | .09 |     |    |     |    |     |      | 1.04 |      |     |     |     |      | .02  | 1.58 | .11  |     |    |    |  |  |
| ROCKVILLE 1 NE            | 2.88  |              |   |   |   | .67  | .15  | .08 |     |     |    |    |    |     | .09 |    |     |    |     |      |      |      |     |     |     |      | .01  | .22  | 1.48 | .05 |    |    |  |  |
| TOWSON                    | 3.81  |              |   |   |   | .92  | .16  | .06 |     |     |    |    |    |     | T   |    |     |    |     |      |      |      |     |     |     | .02  | 1.19 | 1.28 | .02  |     |    |    |  |  |
| UNIONVILLE                |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| WESTMINSTER POLICE BRK    | 3.39  |              |   |   |   | .46  | .80  | .32 |     |     |    |    |    |     | .05 |    |     |    |     |      | .03  | .10  | .02 |     |     |      | .11  | 1.39 | .11  |     |    |    |  |  |
| WOODSTOCK                 | 3.49  |              |   |   |   | T    | .97  | .14 |     |     |    |    |    |     | .02 |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| WOODSTOCK                 | 4.92  |              |   |   |   |      | .82  |     |     |     |    |    |    |     | T   |    |     |    |     |      | .82  | .06  | .03 | T   |     |      | .02  | 2.91 | .23  |     |    |    |  |  |
| APPALACHIAN MOUNTAIN 07   |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| CUMBERLAND 2              |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| EDGEMONT                  | 1.12  |              |   |   |   |      | .10  | .04 |     |     |    |    |    | .05 |     |    |     |    |     |      |      |      |     |     |     |      | .05  | .05  | .25  | .09 |    |    |  |  |
| EDGEMONT                  | 6.61  |              |   |   |   | 1.35 | .06  | .06 |     |     |    |    |    | .08 |     |    |     |    |     |      |      |      |     |     |     |      |      | .16  | .31  | .03 |    |    |  |  |
| FROSTBURG 2               |       |              |   |   |   |      |      |     |     |     |    |    |    |     |     |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| HAGERSTOWN                | 1.61  | .02          |   |   |   |      | .17  | .12 | .08 |     |    |    |    |     | .09 |    |     |    |     |      | T    |      |     |     |     |      |      |      |      |     |    |    |  |  |
| HANCOCK                   | 8.62  |              |   |   |   |      | .27  | .12 | .16 |     |    |    |    |     | .36 |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |
| HANCOCK                   | 1.39  |              |   |   |   |      | .12  | .35 |     |     |    |    |    |     | .02 |    |     |    |     |      |      |      |     |     |     |      |      |      |      |     |    |    |  |  |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY PRECIPITATION (INCHES)

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| 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 |
| ALLEGHENY PLATEAU 08    |       |              |   |     |     |     |     |     |   |     |     |    |    |     |    |    |    |      |      |     |     |    |     |     |      |      |      |    |    |    |    |    |
| MC HENRY 2 NW           | 1.30  | .08          |   |     | .27 | .09 |     |     |   | T   | .14 |    |    | .18 |    |    |    |      |      | .15 | .10 |    |     | T   | .08  | .19  | .02  |    |    |    |    |    |
| MERRILL                 | 1.24  | .05          |   |     | .29 | .04 |     |     |   |     | .16 |    |    | .34 |    |    |    |      |      | .15 |     |    | .10 | .08 | .11  |      |      |    |    |    |    |    |
| OAKLAND 1 SE            | 2.13  |              |   |     | .17 | .22 | .36 |     |   | T   | .17 | T  |    | .25 |    |    |    | .03  | .20  | .53 |     |    | .04 | .03 | .13  |      |      |    |    |    |    |    |
| SAVAGE RIVER DAM        | .81   |              |   | T   | .25 | .14 |     |     |   |     | .06 | T  |    | .05 |    |    |    | .01  | T    | .15 | .03 |    | T   | .02 | .10  | T    |      |    |    |    |    |    |
| DELAWARE                |       |              |   |     |     |     |     |     |   |     |     |    |    |     |    |    |    |      |      |     |     |    |     |     |      |      |      |    |    |    |    |    |
| NORTHERN 01             |       |              |   |     |     |     |     |     |   |     |     |    |    |     |    |    |    |      |      |     |     |    |     |     |      |      |      |    |    |    |    |    |
| NEWMARK UNIVERSITY FARM | 4.42  |              |   |     | .55 | .06 |     |     |   |     |     |    |    | .77 |    |    |    |      | 1.22 | .16 |     |    |     |     |      | 1.17 | .49  |    |    |    |    |    |
| WILMINGTON WSO ARPT R   | 5.36  |              |   | T   | .19 | .04 |     |     |   | T   |     |    |    | .84 |    |    |    | .74  | .02  | .68 | .02 |    |     | .01 | .66  | 2.03 | .13  |    |    |    |    |    |
| WILMINGTON PORTER RSVR  | 5.99  |              |   | .02 | .54 | .05 |     |     |   | .03 |     |    |    | .57 |    |    |    | 1.10 | .67  | .67 | .03 |    |     | .02 | .55  | 2.17 | .24  |    |    |    |    |    |
| SOUTHERN 02             |       |              |   |     |     |     |     |     |   |     |     |    |    |     |    |    |    |      |      |     |     |    |     |     |      |      |      |    |    |    |    |    |
| DOVER                   | 3.84  |              |   |     | .06 |     |     |     |   |     |     |    |    | .68 |    |    |    | .94  |      |     | .34 |    |     |     |      | .54  | 1.28 |    |    |    |    |    |
| GEDGETOWN 5 SW          | 4.28  |              |   |     |     |     |     | .09 |   |     |     |    |    | .81 |    |    |    |      |      |     | .63 |    |     |     | 1.10 | 1.65 |      |    |    |    |    |    |
| GREENWOOD 2 NE          | 4.83  |              |   |     | .08 | .12 |     |     |   |     |     |    |    | .87 |    |    |    |      | .22  | .38 | .25 |    |     | .02 | .04  | 1.28 | 1.57 |    |    |    |    |    |
| LEWES                   | 4.00  |              |   |     | .07 | .02 |     |     |   |     |     |    |    | .87 |    |    |    |      |      |     | .95 |    |     | .02 |      | .69  | 1.38 |    |    |    |    |    |

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                | OB. TIME | MAX/MIN           | 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               |          |                   |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      |   |
| SOUTHERN EASTERN SHORE | 01       |                   |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      |   |
| ASSATEAGUE IS NATL SEA | 17       | MAX<br>MIN        | 87<br>65       | 71<br>61       | 82<br>62 | 82<br>65 | 87<br>65 | 75<br>68 | 79<br>63 | 81<br>60 | 79<br>62 | 83<br>67 | 86<br>70 | 72<br>64 | 75<br>59 | 75<br>54 | 78<br>67 | 92<br>70 | 92<br>73 | 82<br>73 | 81<br>73 | 73<br>62 | 66<br>48 | 71<br>48 | 72<br>61 | 76<br>64 | 71<br>64 | 67<br>52 | 67<br>45 | 73<br>45 | 69<br>52 |          |          | 76.9    |      |      |   |
| PRINCESS ANNE          | 17       | MAX<br>MIN<br>OBS | 93<br>67<br>92 | 77<br>47<br>92 | 82<br>47 | 84<br>65 | 84<br>68 | 83<br>61 | 85<br>56 | 86<br>51 | 88<br>64 | 85<br>56 | 89<br>67 | 86<br>65 | 82<br>47 | 82<br>59 | 84<br>60 | 92<br>63 | 91<br>71 | 91<br>68 | 89<br>64 | 84<br>47 | 67<br>55 | 72<br>55 | 75<br>54 | 77<br>55 | 73<br>62 | 73<br>42 | 75<br>46 | 76<br>42 | 76<br>42 | 76<br>53 |          |         | 81.9 |      |   |
| SALISBURY              | 17       | MAX<br>MIN        | 90<br>64       | 75<br>52       | 80<br>54 | 86<br>57 | 84<br>69 | 84<br>66 | 83<br>61 | 85<br>59 | 86<br>60 | 85<br>62 | 87<br>70 | 83<br>60 | 83<br>53 | 81<br>64 | 85<br>62 | 90<br>70 | 91<br>74 | 90<br>70 | 86<br>66 | 69<br>50 | 67<br>47 | 72<br>45 | 75<br>53 | 76<br>60 | 77<br>64 | 72<br>55 | 72<br>48 | 72<br>43 | 70<br>48 | 75<br>54 | 74<br>54 |         |      | 80.4 |   |
| SALISBURY FAA ARPT     | MID      | MAX<br>MIN        | 75<br>53       | 75<br>51       | 80<br>52 | 83<br>59 | 84<br>65 | 77<br>64 | 83<br>59 | 87<br>55 | 87<br>57 | 84<br>57 | 89<br>65 | 79<br>54 | 82<br>50 | 79<br>62 | 85<br>60 | 90<br>70 | 91<br>74 | 89<br>70 | 89<br>55 | 68<br>47 | 68<br>44 | 72<br>40 | 75<br>50 | 75<br>57 | 78<br>67 | 72<br>57 | 68<br>44 | 71<br>41 | 75<br>43 | 69<br>50 |          |         | 79.3 |      |   |
| SNOW HILL 4 N          | 18       | MAX<br>MIN        | 93<br>64       | 75<br>51       | 82<br>51 | 86<br>56 | 85<br>70 | 84<br>63 | 83<br>58 | 86<br>54 | 88<br>56 | 87<br>57 | 89<br>68 | 85<br>58 | 81<br>49 | 81<br>60 | 85<br>58 | 91<br>70 | 91<br>73 | 91<br>73 | 90<br>70 | 70<br>51 | 68<br>42 | 72<br>38 | 75<br>46 | 76<br>58 | 80<br>67 | 73<br>57 | 72<br>46 | 72<br>37 | 77<br>42 | 72<br>53 |          |         | 81.3 |      |   |
| CENTRAL EASTERN SHORE  |          |                   |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      |   |
| CAMBRIDGE WATER TRMT P | 16       | MAX<br>MIN        |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      | M |
| ROYAL OAK 2 SSW        | 18       | MAX<br>MIN        | 89<br>61       | 76<br>49       | 80<br>55 | 83<br>67 | 84<br>69 | 77<br>62 | 83<br>61 | 84<br>64 | 85<br>62 | 83<br>66 | 87<br>70 | 78<br>59 | 80<br>54 | 83<br>70 | 83<br>63 | 91<br>74 | 92<br>76 | 87<br>71 | 84<br>60 | 67<br>53 | 66<br>47 | 70<br>44 | 73<br>56 | 76<br>58 | 72<br>65 | 73<br>57 | 69<br>52 | 69<br>43 | 75<br>50 | 71<br>51 |          |         | 79.0 |      |   |
| VIENNA                 | 18       | MAX<br>MIN<br>OBS | 86<br>56       | 77<br>45       | 82<br>47 | 81<br>58 | 86<br>68 | 82<br>59 | 86<br>54 | 88<br>53 | 88<br>53 | 85<br>56 | 89<br>62 | 85<br>53 | 82<br>46 | 80<br>60 | 82<br>62 | 90<br>71 | 90<br>69 | 88<br>64 | 84<br>59 | 76<br>46 | 68<br>46 | 76<br>36 | 77<br>48 | 78<br>51 | 78<br>58 | 75<br>50 | 77<br>40 | 72<br>36 | 77<br>44 | 75<br>46 |          |         | 81.3 |      |   |
| LOWER SOUTHERN         |          |                   |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      |   |
| LA PLATA 1 W           | 18       | MAX<br>MIN        | 86<br>58       | 76<br>51       | 81<br>56 | 85<br>63 | 81<br>67 | 76<br>65 | 80<br>60 | 84<br>62 | 86<br>61 | 84<br>61 | 84<br>67 | 79<br>60 | 81<br>56 | 84<br>69 | 83<br>69 | 92<br>70 | 93<br>75 | 91<br>69 | 87<br>57 | 65<br>52 | 64<br>46 | 70<br>43 | 70<br>53 | 73<br>61 | 69<br>59 | 71<br>51 | 67<br>44 | 67<br>42 | 77<br>49 | 70<br>57 |          |         | 78.5 |      |   |
| MECHANICSVILLE 5 NE    | 19       | MAX<br>MIN        | 84<br>64       | 75<br>48       | 81<br>51 | 83<br>61 | 82<br>67 | 75<br>64 | 82<br>59 | 84<br>61 | 86<br>61 | 84<br>69 | 85<br>58 | 82<br>53 | 83<br>53 | 84<br>58 | 92<br>67 | 93<br>67 | 88<br>71 | 82<br>56 | 66<br>65 | 65<br>45 | 69<br>40 | 72<br>51 | 73<br>59 | 69<br>65 | 71<br>56 | 63<br>43 | 67<br>38 | 74<br>46 | 74<br>55 | 87<br>51 |          |         | 78.2 |      |   |
| OWINGS FERRY LANDING   | 17       | MAX<br>MIN        | 90<br>62       | 78<br>50       | 80<br>55 | 83<br>62 | 81<br>67 | 79<br>64 | 81<br>57 | 84<br>58 | 85<br>58 | 84<br>64 | 85<br>67 | 82<br>58 | 81<br>64 | 85<br>65 | 93<br>70 | 94<br>74 | 91<br>70 | 83<br>58 | 67<br>52 | 64<br>46 | 68<br>42 | 70<br>51 | 73<br>60 | 69<br>64 | 73<br>56 | 72<br>44 | 67<br>40 | 76<br>47 | 76<br>52 |          |          | 79.2    |      |      |   |
| UPPER SOUTHERN         |          |                   |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      |      |   |
| ANNAPOLIS POLICE BRKS  | 17       | MAX<br>MIN        |                |                |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |         |      | M    |   |
| BALTIMORE WSO ARPT     | MID      | MAX<br>MIN        | 76<br>58       | 77<br>51       | 82<br>54 | 86<br>61 | 86<br>67 | 78<br>63 | 86<br>60 | 89<br>61 | 89<br>62 | 87<br>64 | 86<br>65 | 80<br>59 | 86<br>53 | 84<br>68 | 86<br>67 | 98<br>70 | 97<br>72 | 86<br>72 | 80<br>57 | 69<br>50 | 68<br>47 | 72<br>44 | 70<br>54 | 72<br>63 | 71<br>59 | 74<br>57 | 67<br>45 | 69<br>42 | 78<br>46 | 69<br>51 |          |         | 79.9 |      |   |
| BELTSVILLE             | 08       | MAX<br>MIN        | 94<br>60       | 77<br>48       | 76<br>52 | 82<br>55 | 87<br>66 | 85<br>64 | 75<br>55 | 85<br>59 | 88<br>58 | 89<br>63 | 85<br>68 | 85<br>59 | 78<br>52 | 84<br>56 | 84<br>65 | 86<br>68 | 96<br>71 | 96<br>71 | 87<br>72 | 79<br>58 | 65<br>45 | 66<br>40 | 72<br>49 | 70<br>60 | 74<br>62 | 70<br>55 | 73<br>42 | 65<br>38 | 69<br>43 | 78<br>50 |          |         | 80.0 |      |   |
| COLLEGE PARK           | 09       | MAX<br>MIN        | 91<br>61       | 76<br>52       | 79<br>55 | 84<br>65 | 88<br>68 | 85<br>65 | 72<br>59 | 86<br>61 | 89<br>61 | 90<br>69 | 87<br>72 | 83<br>57 | 80<br>55 | 84<br>67 | 88<br>67 | 87<br>72 | 99<br>78 | 98<br>73 | 89<br>75 | 81<br>51 | 68<br>48 | 67<br>43 | 73<br>51 | 72<br>62 | 75<br>64 | 71<br>55 | 75<br>44 | 65<br>42 | 70<br>45 | 79<br>51 |          |         | 81.0 |      |   |
| DALECARLIA RESVR DC    | 17       | MAX<br>MIN<br>OBS | 92<br>54       | 78<br>44       | 81<br>48 | 86<br>64 | 85<br>59 | 82<br>57 | 86<br>52 | 88<br>54 | 80<br>52 | 86<br>58 | 85<br>60 | 82<br>52 | 81<br>48 | 88<br>60 | 87<br>62 | 96<br>66 | 97<br>76 | 94<br>71 | 88<br>47 | 68<br>45 | 66<br>38 | 73<br>37 | 70<br>46 | 74<br>52 | 71<br>36 | 74<br>49 | 71<br>37 | 78<br>42 | 77<br>49 |          |          | 81.6    |      |      |   |
| GLENN DALE BELL STN    | 16       | MAX<br>MIN        | 92<br>59       | 77<br>46       | 83<br>49 | 85<br>57 | 86<br>66 | 83<br>63 | 80<br>59 | 81<br>60 | 89<br>57 | 86<br>60 | 84<br>67 | 85<br>56 | 83<br>50 | 83<br>65 | 84<br>64 | 95<br>67 | 94<br>72 | 93<br>69 | 85<br>60 | 66<br>47 | 66<br>40 | 71<br>37 | 69<br>53 | 70<br>58 | 71<br>62 | 73<br>54 | 72<br>38 | 62<br>40 | 69<br>42 | 77<br>47 |          |         | 79.8 |      |   |
| LAUREL 3 W             | MID      | MAX<br>MIN        | 83<br>57       | 78<br>51       | 84<br>55 | 84<br>59 | 85<br>67 | 78<br>62 | 87<br>60 | 90<br>62 | 88<br>63 | 85<br>63 | 87<br>68 | 88<br>57 | 79<br>53 | 88<br>65 | 85<br>65 | 98<br>68 | 97<br>69 | 88<br>69 | 80<br>50 | 69<br>46 | 67<br>44 | 74<br>43 | 68<br>52 | 75<br>58 | 71<br>55 | 67<br>51 | 72<br>41 | 78<br>46 | 71<br>46 |          |          | 80.5    |      |      |   |
| NATIONAL ARBORETUM DC  | 08       | MAX<br>MIN        | 96<br>63       | 79<br>53       | 78<br>56 | 83<br>59 | 89<br>67 | 85<br>66 | 74<br>59 | 86<br>60 | 89<br>62 | 86<br>69 | 86<br>62 | 81<br>56 | 85<br>59 | 86<br>68 | 87<br>69 | 97<br>73 | 97<br>71 | 89<br>73 | 81<br>53 | 69<br>48 | 68<br>44 | 73<br>47 | 71<br>61 | 74<br>62 | 71<br>57 | 75<br>45 | 67<br>42 | 72<br>42 | 79<br>51 |          |          | 81.4    |      |      |   |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                | OB. TIME | MAX/MIN                  | 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           |              |
|                        |          |                          | UPPER MARLBORO 3 NNW | 08         | MAX<br>MIN | 96'<br>60' | 76'<br>45' | 77'<br>49' | 82'<br>55' | 86'<br>62' | 85'<br>61' | 71'<br>55' | 84'<br>56' | 88'<br>57' | 87'<br>61' | 85'<br>65' | 85'<br>56' | 79'<br>50' | 83'<br>57' | 85'<br>63' | 85'<br>67' | 95'<br>71' | 95'<br>69' | 95'<br>69' | 82'<br>49' | 67'<br>43' | 68'<br>38' | 71'<br>48' | 71'<br>54' | 73'<br>59' | 70'<br>55' | 74'<br>40' | 68'<br>36'   |              |
| NORTHERN EASTERN SHORE | 05       |                          |                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |              |
| CHESTERTOWN            | 23       | MAX<br>MIN               | 78'<br>59'           | 77'<br>50' | 83'<br>52' | 84'<br>63' | 85'<br>65' | 75'<br>62' | 87'<br>60' | 90'<br>60' | 91'<br>62' | 85'<br>65' | 86'<br>68' | 76'<br>56' | 78'<br>50' | 77'<br>66' | 84'<br>62' | 95'<br>72' | 94'<br>69' | 88'<br>69' | 81'<br>55' | 68'<br>51' | 67'<br>47' | 73'<br>42' | 72'<br>56' | 73'<br>60' | 71'<br>59' | 74'<br>56' | 67'<br>48' | 69'<br>42' | 77'<br>48' | 70'<br>47' | 79.2<br>57.4 |              |
| MILLINGTON 1 SE        | 18       | MAX<br>OBS<br>MIN<br>OBS | 77'<br>59'           | 75'<br>47' | 79'<br>48' | 82'<br>60' | 84'<br>69' | 81'<br>59' | 85'<br>58' | 88'<br>57' | 87'<br>57' | 84'<br>62' | 85'<br>67' | 81'<br>56' | 82'<br>45' | 79'<br>63' | 82'<br>60' | 92'<br>69' | 93'<br>74' | 89'<br>68' | 86'<br>59' | 67'<br>51' | 68'<br>44' | 71'<br>39' | 70'<br>52' | 74'<br>60' | 74'<br>64' | 73'<br>56' | 69'<br>43' | 68'<br>40' | 76'<br>44' | 67'<br>47' | 78.9<br>55.9 |              |
| NORTHERN CENTRAL       | 06       |                          |                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |              |
| ABERDEEN PHILLIPS FLD  | 16       | MAX<br>MIN               |                      |            | 80'<br>54' | 81'<br>64' | 82'<br>69' | 82'<br>65' |            |            | 87'<br>61' | 85'<br>66' | 82'<br>72' | 80'<br>60' | 79'<br>48' |            |            | 90'<br>72' | 92'<br>76' | 92'<br>71' | 82'<br>59' | 65'<br>53' |            |            | 69'<br>58' | 72'<br>60' | 72'<br>65' | 73'<br>58' | 73'<br>43' |            |            | 67'<br>49' | M<br>M       |              |
| BALTIMORE WSO CITY     | MID      | MAX<br>MIN               | 78'<br>64'           | 78'<br>63' | 81'<br>66' | 85'<br>67' | 86'<br>72' | 78'<br>71' | 90'<br>72' | 88'<br>72' | 88'<br>72' | 87'<br>71' | 86'<br>74' | 80'<br>65' | 82'<br>71' | 81'<br>74' | 85'<br>65' | 95'<br>75' | 99'<br>76' | 85'<br>76' | 81'<br>60' | 69'<br>57' | 69'<br>53' |            | 72'<br>53' | 71'<br>61' | 75'<br>64' | 72'<br>60' | 76'<br>60' | 70'<br>56' | 72'<br>52' | 81'<br>57' | 70'<br>54'   | 80.3<br>64.9 |
| BENSON POLICE BARRACKS | 17       | MAX<br>MIN               | 93'<br>59'           | 79'<br>51' | 81'<br>53' | 84'<br>63' | 84'<br>67' | 84'<br>64' | 87'<br>59' | 89'<br>62' | 88'<br>61' | 85'<br>66' | 83'<br>71' | 81'<br>59' | 83'<br>57' | 83'<br>68' | 80'<br>67' | 93'<br>69' | 94'<br>73' | 94'<br>71' | 80'<br>59' | 68'<br>51' | 68'<br>46' | 72'<br>44' | 74'<br>54' | 76'<br>57' | 71'<br>63' | 73'<br>56' | 73'<br>45' | 70'<br>43' | 78'<br>44' | 76'<br>46' | 80.8<br>58.3 |              |
| CATOCTIN MOUNTAIN PARK | 17       | MAX<br>MIN               |                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              | M<br>M       |
| CLARKSVILLE 3 NNE      | 17       | MAX<br>MIN               | 87'<br>59'           | 74'<br>45' | 82'<br>48' | 84'<br>52' | 81'<br>66' | 80'<br>60' | 85'<br>52' | 89'<br>56' | 87'<br>56' | 84'<br>59' | 83'<br>67' | 80'<br>53' | 83'<br>48' | 82'<br>64' | 83'<br>64' | 95'<br>62' | 97'<br>71' | 90'<br>71' | 85'<br>60' | 65'<br>46' | 67'<br>39' | 70'<br>36' | 68'<br>45' | 72'<br>54' | 69'<br>61' | 73'<br>53' | 65'<br>40' | 68'<br>34' | 79'<br>39' | 76'<br>43' | 79.4<br>53.4 |              |
| CONOWINGO DAM          | MID      | MAX<br>OBS<br>MIN        | 76'<br>54'           | 78'<br>45' | 84'<br>47' | 85'<br>56' | 89'<br>59' | 79'<br>56' | 89'<br>55' | 91'<br>54' | 92'<br>56' | 87'<br>59' | 87'<br>63' | 82'<br>50' | 82'<br>48' | 80'<br>61' | 84'<br>61' | 92'<br>61' | 96'<br>65' | 85'<br>64' | 83'<br>50' | 71'<br>44' | 72'<br>41' | 74'<br>35' | 74'<br>47' | 77'<br>51' | 73'<br>47' | 77'<br>48' | 78'<br>40' | 72'<br>37' | 79'<br>37' | 80'<br>43' | 81.6<br>51.1 |              |
| DAMASCUS 2 SW          | 19       | MAX<br>MIN               | 80'<br>56'           | 75'<br>49' | 81'<br>54' | 82'<br>59' | 81'<br>64' | 74'<br>62' | 84'<br>57' | 86'<br>60' | 86'<br>62' | 78'<br>64' | 82'<br>69' | 75'<br>56' | 81'<br>56' | 84'<br>67' | 82'<br>66' | 94'<br>69' | 93'<br>72' | 81'<br>68' | 81'<br>56' | 67'<br>45' | 65'<br>43' | 71'<br>42' | 66'<br>53' | 70'<br>53' | 64'<br>58' | 70'<br>49' | 64'<br>45' | 69'<br>39' | 77'<br>46' | 68'<br>46' | 77.0<br>56.2 |              |
| EMMITSBURG 2 SE        | 17       | MAX<br>MIN               | 87'<br>55'           | 75'<br>46' | 81'<br>47' | 83'<br>58' | 79'<br>64' | 79'<br>61' | 82'<br>55' | 85'<br>57' | 84'<br>57' | 83'<br>62' | 80'<br>66' | 78'<br>58' | 83'<br>48' | 80'<br>65' | 82'<br>68' | 93'<br>67' | 92'<br>69' | 91'<br>67' | 74'<br>58' | 64'<br>44' | 63'<br>41' | 69'<br>38' | 64'<br>50' | 65'<br>47' | 64'<br>61' | 69'<br>48' | 65'<br>39' | 66'<br>36' | 76'<br>40' | 74'<br>44' | 77.0<br>53.9 |              |
| FREDERICK POLICE BRKS  | 17       | MAX<br>MIN<br>OBS        | 93'<br>61'           | 76'<br>52' | 81'<br>54' | 86'<br>60' | 85'<br>65' | 82'<br>63' | 84'<br>56' | 88'<br>62' | 87'<br>61' | 87'<br>63' | 84'<br>70' | 81'<br>61' | 84'<br>54' | 84'<br>67' | 84'<br>68' | 96'<br>70' | 94'<br>74' | 92'<br>71' | 83'<br>59' | 67'<br>42' | 66'<br>43' | 72'<br>42' | 72'<br>52' | 67'<br>56' | 69'<br>61' | 72'<br>51' | 70'<br>46' | 69'<br>40' | 80'<br>43' | 79'<br>49' | 80.5<br>57.2 |              |
| MILLERS 4 NE           | 18       | MAX<br>MIN               | 80'<br>54'           | 73'<br>48' | 77'<br>52' | 80'<br>60' | 77'<br>66' | 75'<br>60' | 82'<br>55' | 84'<br>60' | 83'<br>61' | 79'<br>65' | 77'<br>67' | 76'<br>56' | 79'<br>48' | 80'<br>65' | 77'<br>66' | 90'<br>68' | 88'<br>73' | 78'<br>69' | 76'<br>55' | 62'<br>46' | 60'<br>41' | 68'<br>38' | 64'<br>51' | 69'<br>50' | 64'<br>60' | 68'<br>50' | 64'<br>44' | 64'<br>37' | 74'<br>43' | 69'<br>43' | 74.6<br>55.0 |              |
| ROCKVILLE 1 NE         | MID      | MAX<br>MIN               | 76'<br>60'           | 74'<br>50' | 80'<br>54' | 83'<br>62' | 81'<br>66' | 75'<br>63' | 82'<br>57' | 85'<br>62' | 84'<br>62' | 80'<br>67' | 80'<br>67' | 75'<br>59' | 81'<br>54' | 84'<br>69' | 83'<br>68' | 93'<br>71' | 94'<br>75' | 88'<br>70' | 80'<br>54' | 66'<br>49' | 63'<br>47' | 69'<br>43' | 66'<br>58' | 71'<br>58' | 67'<br>53' | 71'<br>43' | 63'<br>43' | 68'<br>41' | 77'<br>44' | 67'<br>48' | 76.9<br>57.7 |              |
| TOWSON                 | 18       | MAX<br>MIN               |                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              | M<br>M       |
| UNIONVILLE             | 17       | MAX<br>MIN               | 85'<br>55'           | 76'<br>45' | 81'<br>50' | 84'<br>56' | 79'<br>65' | 78'<br>62' | 82'<br>54' | 86'<br>56' | 85'<br>56' | 79'<br>63' | 81'<br>66' | 76'<br>54' | 82'<br>49' | 84'<br>64' | 82'<br>66' | 94'<br>64' | 92'<br>68' | 82'<br>70' | 78'<br>58' | 65'<br>42' | 63'<br>35' | 71'<br>35' | 66'<br>50' | 70'<br>47' | 67'<br>61' | 71'<br>48' | 66'<br>38' | 71'<br>34' | 66'<br>39' | 70'<br>41' | 77.3<br>53.0 |              |
| WESTMINSTER POLICE BRK | 17       | MAX<br>MIN               | 91'<br>56'           | 75'<br>50' | 80'<br>54' | 84'<br>60' | 83'<br>64' | 80'<br>61' | 83'<br>62' | 86'<br>63' | 86'<br>64' | 84'<br>65' | 79'<br>57' | 79'<br>53' | 83'<br>53' | 83'<br>65' | 81'<br>66' | 94'<br>64' | 94'<br>73' | 94'<br>69' | 81'<br>54' | 65'<br>46' | 65'<br>44' | 70'<br>44' | 65'<br>53' | 70'<br>54' | 70'<br>60' | 70'<br>52' | 70'<br>47' | 66'<br>41' | 76'<br>45' | 77'<br>45' | 78.8<br>56.6 |              |
| WOODSTOCK              | 18       | MAX<br>MIN               | 84'<br>58'           | 77'<br>48' | 83'<br>56' | 85'<br>57' | 84'<br>67' | 79'<br>69' | 86'<br>56' | 89'<br>59' | 88'<br>58' | 83'<br>62' | 84'<br>68' | 78'<br>55' | 85'<br>50' | 83'<br>66' | 84'<br>68' | 95'<br>67' | 96'<br>72' | 84'<br>71' | 81'<br>58' | 67'<br>48' | 67'<br>42' | 73'<br>39' | 67'<br>50' | 73'<br>55' | 69'<br>61' | 73'<br>53' | 67'<br>42' | 70'<br>38' | 79'<br>41' | 76'<br>45' | 79.6<br>56.0 |              |
| APPALACHIAN MOUNTAIN   | 07       |                          |                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |              |
| CUMBERLAND 2           | 18       | MAX<br>MIN<br>OBS        | 84'<br>50'           | 80'<br>50' | 87'<br>53' | 83'<br>60' | 85'<br>60' | 84'<br>55' | 87'<br>55' | 90'<br>58' | 90'<br>60' | 86'<br>67' | 84'<br>58' | 83'<br>54' | 85'<br>56' | 91'<br>66' | 94'<br>66' | 97'<br>68' | 93'<br>67' | 91'<br>58' | 83'<br>55' | 65'<br>39' | 68'<br>39' | 76'<br>41' | 70'<br>48' | 65'<br>49' | 62'<br>47' | 67'<br>42' | 66'<br>38' | 72'<br>38' | 80'<br>39' | 74'<br>43' | 80.7<br>52.6 |              |
| FROSTBURG 2            | 07       | MAX<br>MIN               | 82'<br>55'           | 72'<br>50' | 72'<br>48' | 81'<br>52' | 72'<br>58' | 76'<br>56' | 75'<br>53' | 78'<br>53' | 82'<br>53' | 83'<br>55' | 76'<br>64' | 74'<br>54' | 75'<br>54' | 77'<br>54' | 80'<br>63' | 86'<br>62' | 89'<br>69' | 84'<br>62' | 85'<br>54' | 54'<br>40' | 56'<br>37' | 60'<br>36' | 68'<br>40' | 63'<br>46' | 57'<br>44' | 55'<br>46' | 59'<br>38' | 57'<br>37' | 63'<br>38' | 71'<br>42' | 72.1<br>50.4 |              |
| HAGERSTOWN             | 08       | MAX<br>OBS<br>MIN<br>OBS | 91'<br>55'           | 75'<br>51' | 77'<br>56' | 83'<br>56' | 84'<br>62' | 83'<br>62' | 80'<br>57' | 84'<br>59' | 86'<br>60' | 87'<br>60' | 83'<br>64' | 82'<br>58' | 78'<br>54' | 84'<br>55' | 86'<br>67' | 85'<br>69' | 95'<br>65' | 94'<br>65' | 87'<br>62' | 68'<br>44' | 67'<br>45' | 67'<br>44' | 71'<br>43' | 65'<br>47' | 67'<br>47' | 65'<br>48' | 70'<br>41' | 65'<br>38' | 69'<br>40' | 79'<br>45' | 78.6<br>54.0 |              |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                            | OB. TIME | MAX/MIN    | 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           |              |  |
| HANCOCK                            | 08       | MAX<br>MIN | 90'<br>57'   | 75'<br>43' | 78'<br>48' | 84'<br>51' | 83'<br>60' | 83'<br>62' | 77'<br>54' | 85'<br>54' | 87'<br>55' | 88'<br>57' | 85'<br>63' | 81'<br>57' | 80'<br>51' | 83'<br>54' | 83'<br>54' | 87'<br>64' | 90'<br>63' | 99'<br>65' | 93'<br>65' | 89'<br>60' | 62'<br>39' | 66'<br>37' | 65'<br>35' | 72'<br>42' | 64'<br>47' | 67'<br>46' | 65'<br>45' | 70'<br>36' | 68'<br>33' | 67'<br>35'   | 80'<br>36'   | 78.8<br>50.5 |  |
| ALLEGHENY PLATEAU<br>MC HENRY 2 NW | 08       | MAX<br>MIN | 80'<br>52'   | 80'<br>51' | 75'<br>51' | 83'<br>54' | 67'<br>55' | 76'<br>55' | 77'<br>55' | 80'<br>56' | 81'<br>56' | 83'<br>59' | 70'<br>61' | 74'<br>54' | 72'<br>54' | 79'<br>59' | 77'<br>63' | 82'<br>63' | 85'<br>65' | 82'<br>60' | 83'<br>48' | 50'<br>37' | 55'<br>36' | 60'<br>36' | 70'<br>43' | 56'<br>46' | 60'<br>46' | 52'<br>44' | 55'<br>33' | 56'<br>33' | 60'<br>40' | 68'<br>43'   | 70.9<br>50.3 |              |  |
| OAKLAND 1 SE                       | 17       | MAX<br>MIN | 84'<br>52'   | 73'<br>50' | 82'<br>46' | 80'<br>64' | 75'<br>57' | 77'<br>57' | 76'<br>47' | 81'<br>45' | 82'<br>48' | 81'<br>56' | 75'<br>63' | 74'<br>47' | 78'<br>49' | 78'<br>64' | 83'<br>59' | 85'<br>57' | 84'<br>66' | 82'<br>58' | 79'<br>50' | 56'<br>36' | 58'<br>30' | 70'<br>32' | 68'<br>53' | 60'<br>44' | 58'<br>49' | 58'<br>45' | 58'<br>30' | 61'<br>29' | 70'<br>33' | 76'<br>40'   | 73.4<br>48.5 |              |  |
| SAVAGE RIVER DAM                   | 08       | MAX<br>MIN | 87'<br>57'   | 71'<br>46' | 75'<br>47' | 83'<br>51' | 81'<br>59' | 81'<br>59' | 81'<br>51' | 84'<br>51' | 86'<br>52' | 85'<br>53' | 82'<br>62' | 78'<br>53' | 81'<br>52' | 84'<br>54' | 83'<br>62' | 88'<br>62' | 90'<br>62' | 86'<br>51' | 87'<br>54' | 58'<br>37' | 60'<br>35' | 67'<br>35' | 72'<br>36' | 65'<br>48' | 62'<br>50' | 60'<br>47' | 62'<br>36' | 65'<br>35' | 66'<br>38' | 74'<br>38'   | 76.1<br>49.1 |              |  |
| DELAWARE<br>NORTHERN               | 01       |            |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |              |              |  |
| NEWARK UNIVERSITY FARM             | 17       | MAX<br>MIN | 90'<br>56'   | 77'<br>46' | 82'<br>49' | 84'<br>58' | 82'<br>67' | 82'<br>59' | 85'<br>58' | 88'<br>57' | 88'<br>58' | 85'<br>62' | 84'<br>69' | 82'<br>57' | 84'<br>48' | 82'<br>63' | 82'<br>60' | 93'<br>67' | 92'<br>72' | 91'<br>69' | 81'<br>56' | 66'<br>50' | 65'<br>45' | 71'<br>39' | 70'<br>51' | 76'<br>57' | 72'<br>61' | 73'<br>56' | 72'<br>42' | 67'<br>39' | 76'<br>41' | 75'<br>44'   | 79.9<br>55.2 |              |  |
| WILMINGTON WSO ARPT                | MID      | MAX<br>MIN | 73'<br>58'   | 74'<br>51' | 78'<br>52' | 83'<br>61' | 83'<br>65' | 77'<br>63' | 85'<br>61' | 87'<br>61' | 87'<br>63' | 84'<br>67' | 83'<br>65' | 75'<br>55' | 80'<br>51' | 75'<br>65' | 82'<br>63' | 92'<br>71' | 92'<br>73' | 83'<br>71' | 81'<br>54' | 66'<br>48' | 66'<br>45' | 68'<br>43' | 70'<br>54' | 74'<br>60' | 72'<br>58' | 73'<br>52' | 65'<br>46' | 66'<br>42' | 76'<br>47' | 66'<br>48'   | 77.2<br>57.1 |              |  |
| WILMINGTON PORTER RSVR             | MID      | MAX<br>MIN | 73'<br>53'   | 75'<br>52' | 79'<br>52' | 82'<br>63' | 81'<br>64' | 77'<br>62' | 84'<br>61' | 87'<br>62' | 86'<br>62' | 83'<br>65' | 83'<br>67' | 74'<br>57' | 80'<br>53' | 72'<br>65' | 80'<br>65' | 91'<br>71' | 92'<br>70' | 82'<br>69' | 79'<br>53' | 65'<br>51' | 63'<br>47' | 68'<br>43' | 69'<br>53' | 76'<br>58' | 71'<br>57' | 72'<br>55' | 70'<br>44' | 65'<br>45' | 75'<br>46' | 74'<br>46'   | 76.9<br>57.0 |              |  |
| DELAWARE<br>SOUTHERN               | 02       |            |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |              |              |  |
| DOVER                              | 17       | MAX<br>MIN | 90'<br>61'   | 71'<br>58' | 80'<br>51' | 85'<br>61' | 82'<br>69' | 79'<br>63' | 83'<br>64' | 87'<br>61' | 89'<br>60' | 86'<br>63' | 86'<br>69' | 82'<br>61' | 83'<br>49' | 80'<br>63' | 84'<br>63' | 93'<br>71' | 95'<br>74' | 92'<br>67' | 87'<br>64' | 67'<br>51' | 68'<br>48' | 69'<br>45' | 74'<br>51' | 73'<br>58' | 73'<br>64' | 75'<br>56' | 74'<br>44' | 68'<br>42' | 78'<br>48' | 73'<br>50'   | 80.2<br>58.3 |              |  |
| GEORGETOWN 5 SW                    | 08       | MAX<br>MIN | 91'<br>63'   | 71'<br>46' | 73'<br>48' | 81'<br>58' | 84'<br>65' | 76'<br>59' | 73'<br>63' | 84'<br>55' | 87'<br>57' | 88'<br>59' | 85'<br>64' | 87'<br>61' | 76'<br>48' | 77'<br>53' | 83'<br>51' | 85'<br>57' | 90'<br>72' | 92'<br>70' | 89'<br>71' | 88'<br>51' | 67'<br>41' | 66'<br>39' | 71'<br>46' | 75'<br>56' | 75'<br>62' | 78'<br>56' | 71'<br>44' | 70'<br>41' | 71'<br>39' | 75'<br>43'   | 79.3<br>54.6 |              |  |
| GREENWOOD 2 NE                     | 18       | MAX<br>MIN | 79'<br>60'   | 73'<br>46' | 80'<br>49' | 82'<br>56' | 85'<br>68' | 75'<br>62' | 83'<br>57' | 85'<br>56' | 86'<br>57' | 83'<br>58' | 84'<br>67' | 75'<br>55' | 81'<br>47' | 80'<br>63' | 83'<br>58' | 89'<br>70' | 92'<br>72' | 87'<br>69' | 84'<br>55' | 65'<br>50' | 65'<br>44' | 68'<br>39' | 72'<br>49' | 72'<br>57' | 73'<br>64' | 71'<br>55' | 65'<br>43' | 67'<br>39' | 74'<br>49' | 67'<br>52'   | 77.5<br>55.5 |              |  |
| LEWES                              | 17       | MAX<br>MIN | 86'<br>65'   | 74'<br>62' | 79'<br>55' | 84'<br>63' | 84'<br>63' | 80'<br>67' | 80'<br>61' | 84'<br>61' | 86'<br>62' | 85'<br>64' | 82'<br>71' | 79'<br>64' | 77'<br>71' | 82'<br>64' | 91'<br>53' | 93'<br>53' | 91'<br>64' | 89'<br>70' | 67'<br>75' | 64'<br>71' | 69'<br>66' | 75'<br>54' | 73'<br>57' | 77'<br>48' | 77'<br>52' | 71'<br>59' | 65'<br>67' | 76'<br>58' | 73'<br>53' | 79.1<br>60.4 |              |              |  |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                |       | DAY OF MONTH |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL<br>OR<br>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    |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |       |
| BELTSVILLE             |       | WIND         | 48 | 18 | 29 | 19 | 38 | 24 | 17 | 14 | 10 | 28 | 40 | 59 | 28 | 35 | 39 | 15 | 28 | 39 | 53 | 80 | 66 | 23 | 30 | 20 | 37 | 42 | 58 | 29 | 18 | 34                 | 1018  |
|                        |       | EVAP         | 27 | 26 | 18 | 15 | 12 | 19 | 4  | 15 | 20 | 22 | 17 | 26 | 17 | 15 | 18 | 11 | 17 | 25 | 10 | 2  | 27 | 15 | 18 | 2  | 11 | 3  | 23 | 15 | 17 | 13                 | 4.80  |
|                        |       | MAX          | 95 | 92 | 90 | 87 | 86 | 92 | -  | -  | -  | 89 | 85 | 87 | 85 | 97 | 88 | 89 | 97 | 96 | 87 | 77 | 75 | 77 | 80 | 70 | 75 | 74 | 79 | 75 | 76 | 80                 | 84.4  |
|                        |       | MIN          | 64 | 57 | 57 | 57 | 65 | 68 | -  | -  | -  | 64 | 67 | 61 | 58 | 60 | 68 | 70 | 71 | 73 | 73 | 53 | 50 | 48 | 55 | 58 | 60 | 58 | 48 | 48 | 47 | 48                 | 59.5  |
| UPPER MARLBORO         | 3 NNW | WIND         | 6  | 8  | 2  | 4  | 2  | 0  | 0  | 0  | 0  | 2  | 4  | 10 | 3  | 3  | 9  | 2  | 3  | 6  | 19 | 17 | 4  | 3  | 1  | 3  | 2  | 4  | 6  | 2  | 5  | 133                |       |
|                        |       | EVAP         | 27 | 21 | 17 | 11 | 14 | 14 | 5  | 15 | 14 | 16 | 11 | 17 | 15 | 13 | 14 | 10 | 17 | 23 | 12 | 9  | 17 | 12 | 16 | 3  | 4  | 17 | 12 | 13 | 15 | 4.08               |       |
|                        |       | MAX          | 95 | 87 | 85 | 88 | 86 | 90 | 71 | 88 | 92 | 80 | 82 | 90 | 85 | 75 | 87 | 88 | 96 | 96 | 80 | 79 | 74 | 77 | 80 | 70 | 72 | 70 | 69 | 74 | 75 | 80                 | 82.0  |
|                        |       | MIN          | 62 | 54 | 54 | 56 | 62 | 66 | 61 | 61 | 64 | 64 | 64 | 62 | 56 | 58 | 68 | 68 | 70 | 74 | 72 | 54 | 51 | 48 | 50 | 48 | 60 | 60 | 50 | 48 | 49 | 52                 | 58.9  |
| ALLEGHENY PLATEAU      |       |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |       |
| SAVAGE RIVER DAM       | 08    | WIND         | 33 | 23 | 32 | 19 | 16 | 11 | 22 | 22 | 20 | 16 | 31 | 44 | 23 | 19 | 22 | 19 | 23 | 26 | 30 | 40 | 42 | 22 | 19 | 16 | 26 | 24 | 48 | 42 | 28 | 34                 | 792   |
|                        |       | EVAP         | 12 | 32 | 20 | 21 | 5  | 14 | 11 | 14 | 23 | 14 | 6  | 17 | 14 | 6  | 8  | 12 | 22 | 2  | 8  | 10 | 11 | 14 | 8  | 5  | 2  | 0  | 12 | 9  | 12 | 17                 | 3.61  |
|                        |       | MAX          | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -                  | M     |
|                        |       | MIN          | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -                  | M     |
| DELAWARE               |       |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |       |
| NORTHERN               | 01    |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |       |
| NEWARK UNIVERSITY FARM |       | WIND         | 25 | 10 | 4  | 9  | 18 | 15 | 13 | 10 | 14 | 17 | 35 | 20 | 12 | 12 | 14 | 15 | 19 | 19 | 22 | 28 | 24 | 10 | 11 | 20 | 24 | 28 | 33 | 14 | 14 | 30                 | 539   |
|                        |       | EVAP         | 30 | 24 | 15 | 17 | 15 | 20 | 14 | 23 | 23 | 14 | 18 | 21 | 14 | 14 | 5  | 10 | 18 | 26 | 8  | -  | 33 | 10 | 6  | 8  | -  | 24 | 17 | 11 | 10 | 10                 | 4.91B |
|                        |       | MAX          | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -                  | M     |
|                        |       | MIN          | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -                  | M     |

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES  
WIND: IS MEASURED IN MILES  
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN  
SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                | INDEX NO. | DIVISION | COUNTY       | LATITUDE | LONGITUDE | ELEVATION<br>(IN FEET) | OBSERVATION<br>TIME AND<br>TABLES |        |      |                        | OBSERVER |                          |
|------------------------|-----------|----------|--------------|----------|-----------|------------------------|-----------------------------------|--------|------|------------------------|----------|--------------------------|
|                        |           |          |              |          |           |                        | LOCAL STD TIME                    |        |      |                        |          |                          |
|                        |           |          |              |          |           |                        | TEMP                              | PRECIP | EVAP | SPECIAL<br>(SEE NOTES) |          |                          |
| MARYLAND               |           |          |              |          |           |                        |                                   |        |      |                        |          |                          |
| ABERDEEN PHILLIPS FLD  | 00193506  |          | HARFORD      | 39 28    | 76 10W    | 57                     | 16                                | 16     |      | C                      | H        | ROSS AVIATION INC        |
| ANNAPOLIS POLICE BRKS  | 01993504  |          | ANNE ARUNDEL | 39 59    | 76 30W    | 30                     | 17                                | 17     |      |                        | H        | ANNAPOLIS POLICE BRKS    |
| ASSATEAGUE IS NATL SEA | 03335001  |          | WORCESTER    | 38 14    | 75 8W     | 7                      | 17                                | 07     |      |                        | H        | NATIONAL PARK SERVICE    |
| BALTIMORE WSO ARPT     | 04465004  |          | ANNE ARUNDEL | 39 11    | 76 40W    | 148                    | MID                               | MID    |      | C                      | H        | NATL WEATHER SERVICE     |
| BALTIMORE WSO CITY #   | 04770004  | R        | BALTIMORE CI | 39 17    | 76 37W    | 14                     | MID                               | MID    |      | C                      | H        | OCMJ COMMANDING OFFICER  |
| BELTSVILLE             | 07000006  |          | PRINCE GEORG | 39 2     | 76 53W    | 120                    | 08                                | 08     |      | O                      | B        | US DEPT OF AGRICULTURE   |
| BENSON POLICE BARRACKS | 07332006  |          | HARFORD      | 39 30    | 76 23W    | 365                    | 17                                | 17     |      |                        | H        | MARYLAND STATE POLICE    |
| BOYDS 2 NW             | 10322006  |          | MONTGOMERY   | 39 13    | 77 20W    | 580                    | 18                                | 18     |      |                        | H        | INACTIVE 02/01/91        |
| CAMBRIDGE WATER TRMT P | 1385002   |          | DORCHESTER   | 38 34    | 76 4W     | 10                     | 16                                | 16     |      |                        | H        | WASTEWATER TRMT PLANT    |
| CATOCTIN MOUNTAIN PARK | 15300006  |          | FREDERICK    | 39 39    | 77 29W    | 1610                   | 17                                | 17     |      |                        | C        | CATOCTIN MOUNTAIN PARK   |
| CHESTERTOWN            | 17500005  |          | KENT         | 39 13    | 76 4W     | 39                     | 23                                | 23     |      |                        | H        | THOMAS W ELIASON JR      |
| CLARKSVILLE 3 NNE      | 18620006  |          | HOWARD       | 39 15    | 76 56W    | 365                    | 17                                | 17     |      |                        | H        | UNIVERSITY OF MARYLAND   |
| COLLEGE PARK           | 19950004  |          | PRINCE GEORG | 38 59    | 76 57W    | 90                     | 09                                | 09     |      |                        | C        | UNIVERSITY OF MARYLAND   |
| CONOWINGO DAM          | 20600006  |          | HARFORD      | 39 39    | 76 10W    | 39                     | MID                               | MID    |      |                        | H        | SUSQUEHANNA ELECTRIC CO  |
| CRISFIELD SOMERS COVE  | 22150001  |          | SOMERSET     | 37 59    | 75 52W    | 8                      | 17                                | 17     |      |                        | H        | INACTIVE 03/01/91        |
| CUMBERLAND 2           | 22282007  |          | ALLEGANY     | 39 38    | 78 45W    | 730                    | 18                                | 07     |      |                        | H        | TIMOTHY B THOMAS         |
| DALECARLIA RESVR DC    | 23225004  |          | DIS COLUMBIA | 38 56    | 77 7W     | 151                    | 17                                | 17     |      |                        | H        | U S CORPS OF ENGINEERS   |
| DAMASCUS 2 SW          | 2335006   |          | MONTGOMERY   | 39 16    | 77 14W    | 722                    | 19                                | 19     |      |                        | H        | RICHARD W SCHWERDT       |
| DENTON 2 E             | 2523002   |          | CARDLINE     | 38 53    | 75 48W    | 49                     | 17                                | 17     |      |                        | H        | INACTIVE 04/01/90        |
| EDGE MONT              | 27700007  |          | WASHINGTON   | 39 40    | 77 33W    | 905                    | 07                                | 07     |      |                        | H        | JOHN W HARNE             |
| EMMITSBURG 2 SE        | 29060006  |          | FREDERICK    | 39 41    | 77 18W    | 420                    | 17                                | 17     |      |                        | H        | MRS LUCILLE K BEALE      |
| FREDERICK POLICE BRKS  | 33480006  |          | FREDERICK    | 39 25    | 77 26W    | 381                    | 17                                | 17     |      |                        | H        | MARYLAND STATE POLICE    |
| FROSTBURG 2            | 34150007  |          | ALLEGANY     | 39 40    | 78 56W    | 2172                   | 07                                | 07     |      |                        | H        | LEE K CLOSE              |
| GLENN DALE BELL STN    | 36750004  |          | PRINCE GEORG | 38 58    | 76 48W    | 151                    | 16                                | 16     |      |                        | H        | USDA PLT INTRODUCT STN   |
| HAGERSTOWN             | 39750007  |          | WASHINGTON   | 39 39    | 77 44W    | 659                    | 08                                | 08     |      |                        | H        | HAGERSTOWN RESERVOIR     |
| HANCOCK                | 4030007   |          | WASHINGTON   | 39 42    | 78 11W    | 428                    | 08                                | 08     |      |                        | C        | TOWN OF HANCOCK          |
| LA PLATA 1 W           | 5080003   |          | CHARLES      | 38 32    | 77 0W     | 140                    | 18                                | 18     |      |                        | H        | C RUSSELL LEVERING       |
| LAUREL 3 W             | 51111004  |          | PRINCE GEORG | 39 6     | 76 54W    | 400                    | MID                               | MID    |      |                        | H        | WASH SUB SANY COMM       |
| MC HENRY 2 NW          | 58320008  |          | GARRETT      | 39 35    | 79 22W    | 2680                   | 08                                | 08     |      |                        | C        | JOSEPH F JOHANNING       |
| MECHANICSVILLE 5 NE    | 58650003  |          | ST MARYS     | 38 27    | 76 41W    | 100                    | 19                                | 19     |      |                        | H        | SANDRA J HASTINGS        |
| MERRILL                | 58940008  |          | GARRETT      | 39 36    | 79 5W     | 1791                   | 09                                | 09     |      |                        | H        | DELWOOD E MERRILL        |
| MILLERS 4 NE           | 59340006  |          | CARROLL      | 39 43    | 76 48W    | 860                    | 18                                | 18     |      |                        | C        | BOBBY P MILLER           |
| MILLINGTON 1 SE        | 59850005  |          | KENT         | 39 16    | 75 52W    | 30                     | 18                                | 18     |      |                        | H        | HOWARD L HARVEY          |
| NATIONAL ARBORETUM DC  | 63350004  |          | DIS COLUMBIA | 38 54    | 76 59W    | 49                     | 08                                | 08     |      |                        | H        | U S NATL ARBORETUM       |
| OAKLAND 1 SE           | 6620008   |          | GARRETT      | 39 24    | 79 24W    | 2421                   | 17                                | 17     |      |                        | H        | BEA J CROSCO             |
| OWINGS FERRY LANDING   | 6770003   |          | CALVERT      | 38 41    | 76 40W    | 160                    | 17                                | 17     |      |                        | H        | JAMES C RASMUSSEN        |
| POTOMAC FILTER PLANT   | 72720006  |          | MONTGOMERY   | 39 2     | 77 15W    | 269                    | 08                                | 08     |      |                        | H        | POTOMAC WATER FILT PLT   |
| PRINCESS ANNE          | 73300001  |          | SOMERSET     | 38 13    | 75 41W    | 20                     | 17                                | 17     |      |                        | H        | UNIV OF MD EASTERN SHORE |
| ROCKVILLE 1 NE         | 77050006  |          | MONTGOMERY   | 39 6     | 77 6W     | 440                    | MID                               | 17     |      |                        | H        | WASHINGTON GAS AND LIGHT |
| ROYAL OAK 2 SSW        | 78060002  |          | TALBOT       | 38 43    | 76 11W    | 10                     | 18                                | 18     |      |                        | H        | JOHN L SHAWNE JR         |
| SALISBURY              | 80000001  |          | WICOMICO     | 38 22    | 75 35W    | 10                     | 17                                | 17     |      |                        | H        | CITY OF SALISBURY        |
| SALISBURY FAA ARPT #   | 80050001  |          | WICOMICO     | 38 20    | 75 31W    | 48                     | MID                               | MID    |      |                        | H        | FAA                      |
| SAVAGE RIVER DAM       | 80650008  |          | GARRETT      | 39 31    | 79 8W     | 1495                   | 08                                | 08     |      | O                      | B        | US CORPS OF ENGINEERS    |
| SNOW HILL 4 N          | 8380001   |          | WORCESTER    | 38 14    | 75 23W    | 30                     | 18                                | 18     |      |                        | H        | CURTIS E SHOCKLEY        |
| TALL TIMBERS           | 8757003   |          | ST MARYS     | 38 10    | 76 33W    | 12                     | 17                                | 17     |      |                        | H        | INACTIVE 01/01/91        |
| TOWSON                 | 88770006  |          | BALTIMORE    | 39 23    | 76 34W    | 390                    | 18                                | 18     |      |                        | H        | BENDIX FRIEZ             |
| UNIONVILLE             | 90300006  |          | FREDERICK    | 39 27    | 77 11W    | 430                    | 17                                | 07     |      |                        | C        | RICHARD GETZANDANNER     |
| UPPER MARLBORO 3 NNW   | 90700004  |          | PRINCE GEORG | 38 52    | 76 47W    | 98                     | 08                                | 08     |      | O                      | B        | UNIVERSITY OF MARYLAND   |
| VIENNA                 | 91400002  |          | DORCHESTER   | 38 29    | 75 50W    | 10                     | 18                                | 18     |      |                        | H        | DELMARVA POWER & LIGHT   |
| WESTMINSTER POLICE BRK | 94400006  |          | CARROLL      | 39 33    | 76 58W    | 765                    | 17                                | 17     |      |                        | H        | MARYLAND STATE POLICE    |
| WOODSTOCK              | 9750006   |          | BALTIMORE    | 39 20    | 76 52W    | 459                    | 18                                | 18     |      |                        | H        | JOHN A HILTZ             |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

| STATION                | INDEX NO. | DIVISION | COUNTY     | LATITUDE | LONGITUDE | ELEVATION<br>(IN FEET) | OBSERVATION<br>TIME AND<br>TABLES |        |      |                        | OBSERVER  |
|------------------------|-----------|----------|------------|----------|-----------|------------------------|-----------------------------------|--------|------|------------------------|---|
|                        |           |          |            |          |           |                        | LOCAL STD TIME                    |        |      |                        |   |
|                        |           |          |            |          |           |                        | TEMP                              | PRECIP | EVAP | SPECIAL<br>(SEE NOTES) |   |
| DELAWARE               |           |          |            |          |           |                        |                                   |        |      |                        |   |
| DOVER                  | 2730      | 02       | KENT       | 39 9     | 75 31W    | 30                     | 17                                | 17     |      | H                      | STATE DIV OF HIGHWAYS<br>UNIV OF DEL SUBSTATION   |
| GEORGETOWN 5 SW        | 3570      | 02       | SUSSEX     | 38 38    | 75 27W    | 45                     | 08                                | 08     | 08   | C                      |   |
| GREENWOOD 2 NE         | 3595      | 02       | SUSSEX     | 38 50    | 75 35W    | 45                     | 18                                | 18     |      | H                      | DANIEL M SWARTZENTRUBER<br>BOARD OF PUBLIC WORKS<br>INACTIVE 05/01/91<br>UNIV OF DEL AGRIC FARM<br>NATL WEATHER SERVICE<br>WATER DEPARTMENT |
| LEWES                  | 5320      | 02       | SUSSEX     | 38 46    | 75 8W     | 15                     | 17                                | 17     |      | H                      |   |
| MILFORD 4 SE           | 5915      | 02       | SUSSEX     | 38 54    | 75 28W    | 30                     | 17                                | 17     |      | H                      |   |
| NEWARK UNIVERSITY FARM | 6410      | 02       | NEW CASTLE | 39 40    | 75 44W    | 90                     | 17                                | 17     | 17   | C                      |   |
| WILMINGTON WSO ARPT    | 9595      | 01       | NEW CASTLE | 39 40    | 75 36W    | 79                     | MID                               | MID    |      | H J                    |   |
| WILMINGTON PORTER RSVR | 9605      | 01       | NEW CASTLE | 39 46    | 75 32W    | 274                    | MID                               | MID    |      | H                      |   |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# REFERENCE NOTES

MARYLAND AND  
DELAWARE  
SEPTEMBER 1991

## DEFINITIONS

**STATION NAMES:** Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

**DIVISIONS:** Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

**MONTHLY DEGREE DAY TOTALS:** One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

**PRECIPITATION:** Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

**TEMPERATURE:** Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or \*\*\* (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

**WIND:** (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- AR Observation made "after rain" has occurred.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table.
- J Station also published as a Local Climatological Data publication.
- MID Observation time is midnight.
- MO Rain gage read once monthly, usually the last day.
- OC Rain gage readings vary from a few weeks to several months.
- R Amounts from recording rain gage.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- WI Rain gage read weekly or irregularly.
- WM Rain gage read weekly and last day of month.

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See \*\*\* below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

\*\*\* Missing original temperature which has been estimated during edit.

\* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

// Rain gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See \* above)

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER  
FEDERAL BUILDING  
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. SEPTEMBER 1991-0585

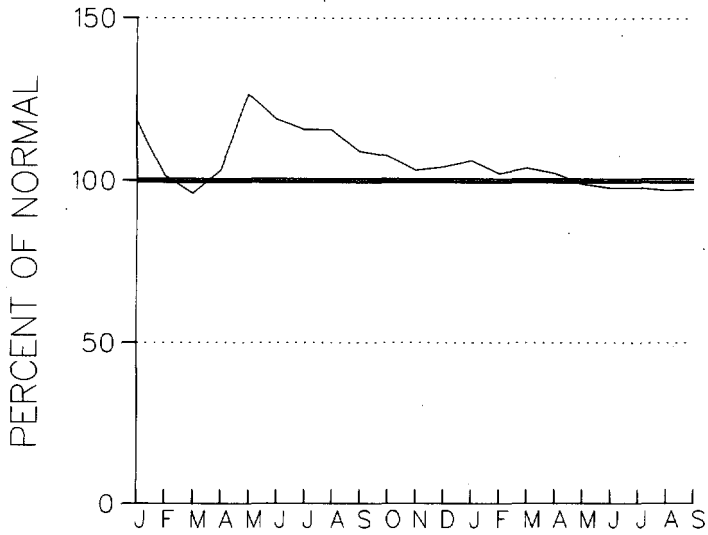
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
FOR THE LAST 21 MONTHS  
ENDING SEPTEMBER 1991  
MARYLAND

CLUSTER 1 -DIVISION(S):  
SOUTHERN EASTERN SHORE 01  
CENTRAL EASTERN SHORE 02  
LOWER SOUTHERN 03

CLUSTER 2 -DIVISION(S):  
UPPER SOUTHERN 04  
NORTHERN EASTERN SHORE 05

CLUSTER 3 -DIVISION(S):  
NORTHERN CENTRAL 06  
APPALACHIAN MOUNTAIN 07

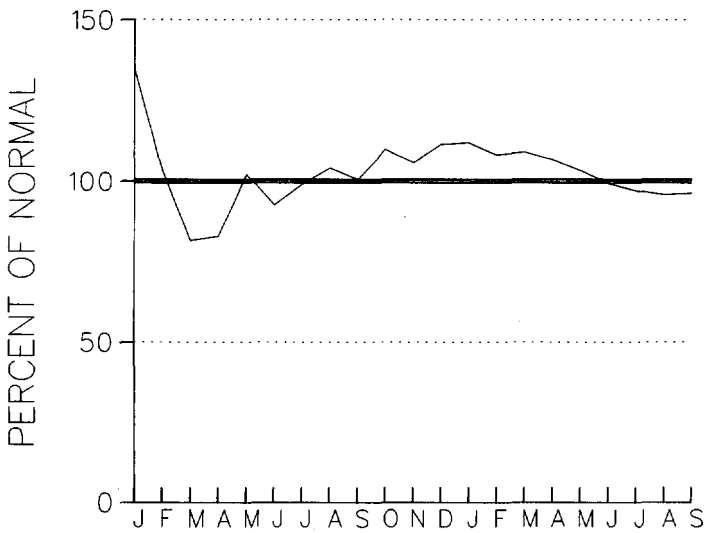
CLUSTER 4 -DIVISION(S):  
ALLEGHENY PLATEAU 08



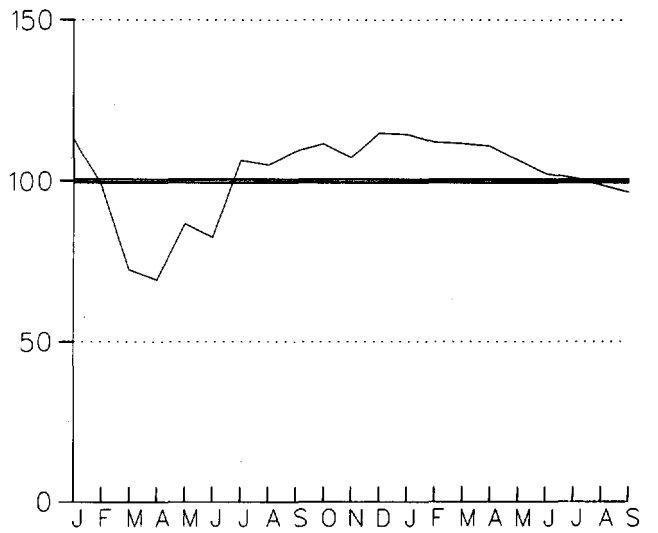
CLUSTER 1



CLUSTER 2



CLUSTER 3

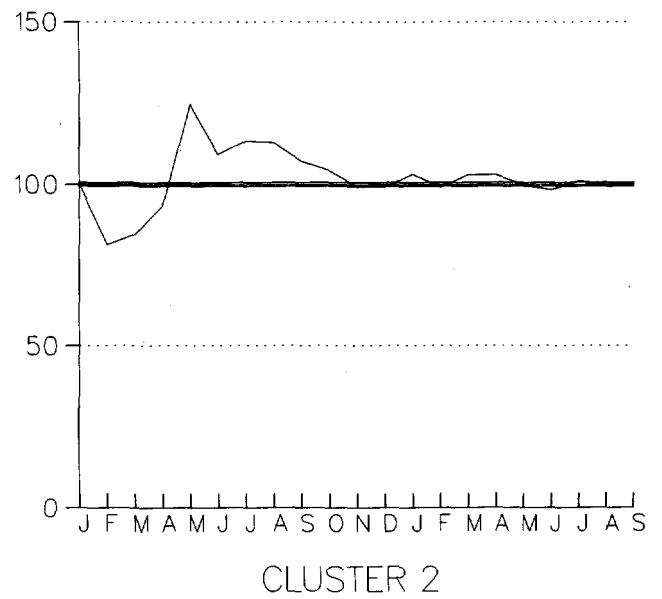
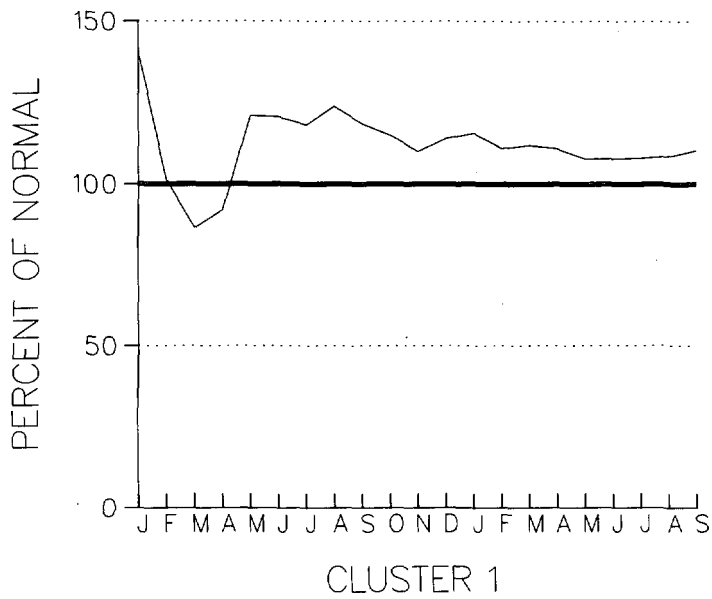


CLUSTER 4

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
FOR THE LAST 21 MONTHS  
ENDING SEPTEMBER 1991  
DELAWARE

CLUSTER 1 - DIVISION(S):  
NORTHERN 01

CLUSTER 2 - DIVISION(S):  
SOUTHERN 02



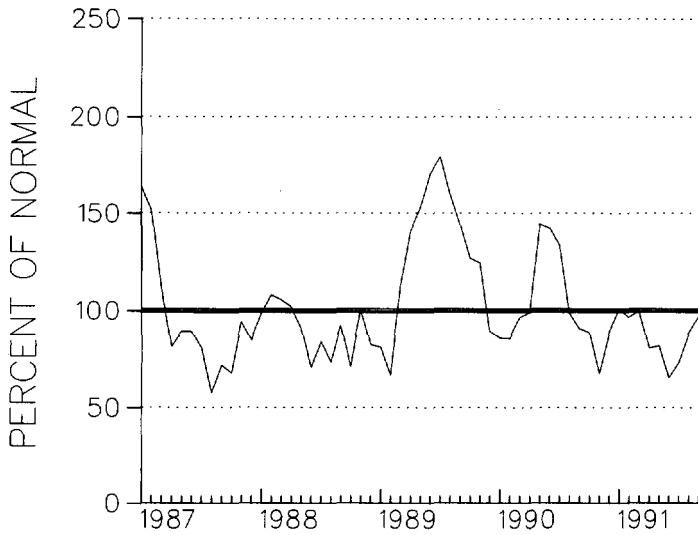
PRECIPITATION DEPARTURES FROM NORMAL (1951–1980)  
 THREE MONTH RUNNING MEAN  
 FOR THE 57 MONTHS ENDING WITH SEPTEMBER 1991 DATA  
 MARYLAND

CLUSTER 1 –DIVISION(S):  
 SOUTHERN EASTERN SHORE 01  
 CENTRAL EASTERN SHORE 02  
 LOWER SOUTHERN 03

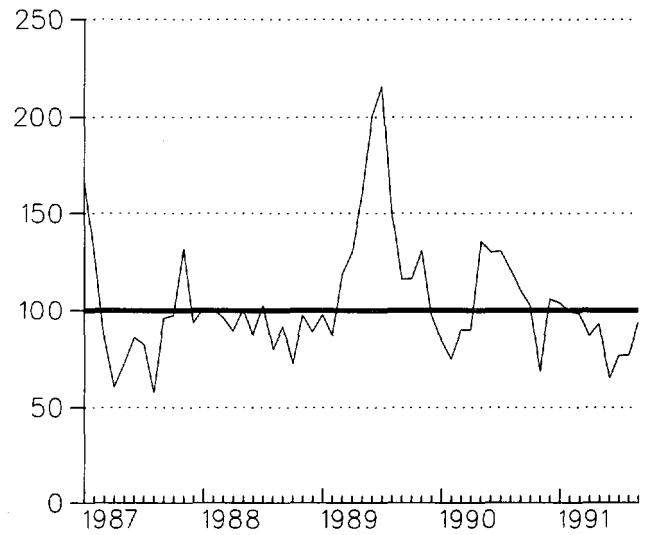
CLUSTER 2 –DIVISION(S):  
 UPPER SOUTHERN 04  
 NORTHERN EASTERN SHORE 05

CLUSTER 3 –DIVISION(S):  
 NORTHERN CENTRAL 06  
 APPALACHIAN MOUNTAIN 07

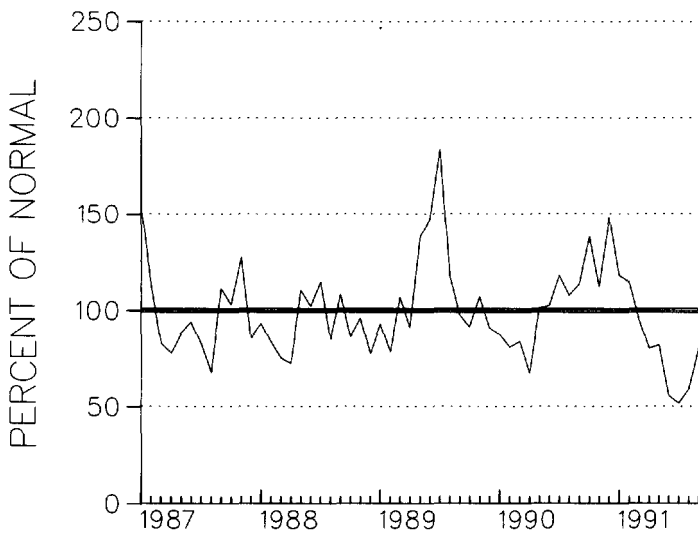
CLUSTER 4 –DIVISION(S):  
 ALLEGHENY PLATEAU 08



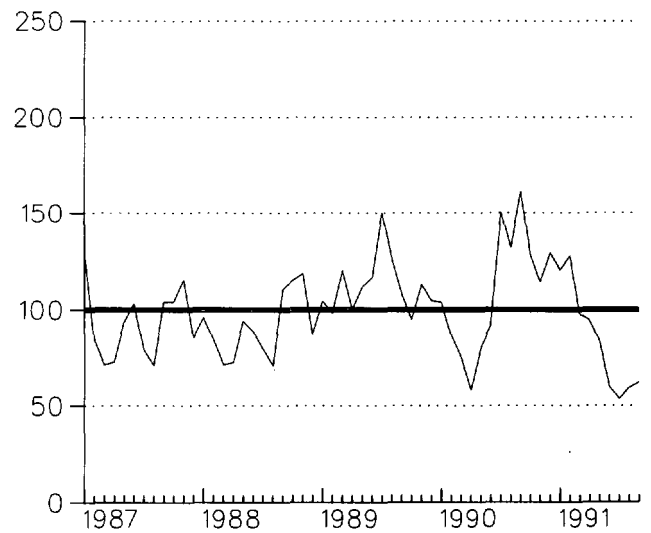
CLUSTER 1



CLUSTER 2



CLUSTER 3

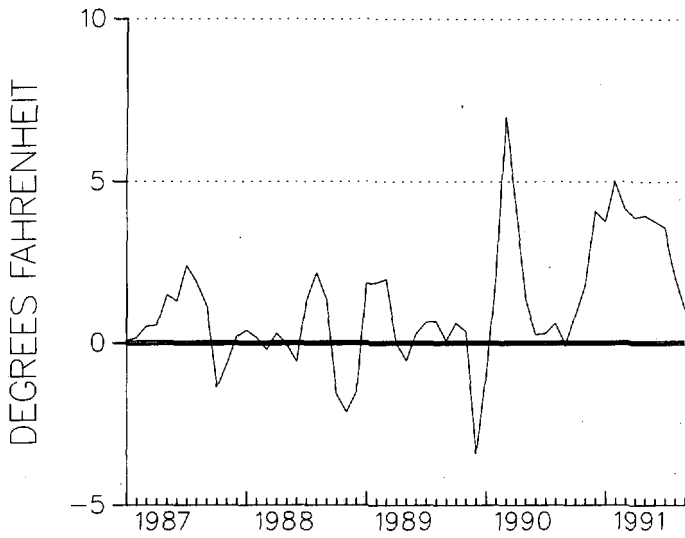


CLUSTER 4

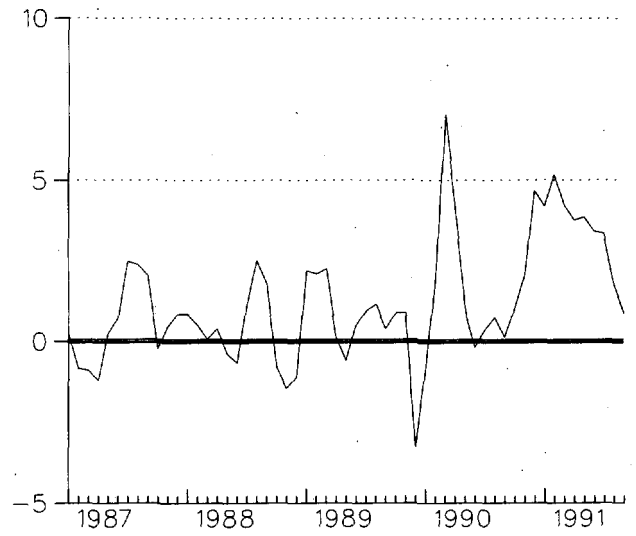
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)  
THREE MONTH RUNNING MEAN  
FOR THE 57 MONTHS ENDING WITH SEPTEMBER 1991 DATA  
DELAWARE

CLUSTER 1 -DIVISION(S):  
NORTHERN 01

CLUSTER 2 -DIVISION(S):  
SOUTHERN 02



CLUSTER 1



CLUSTER 2

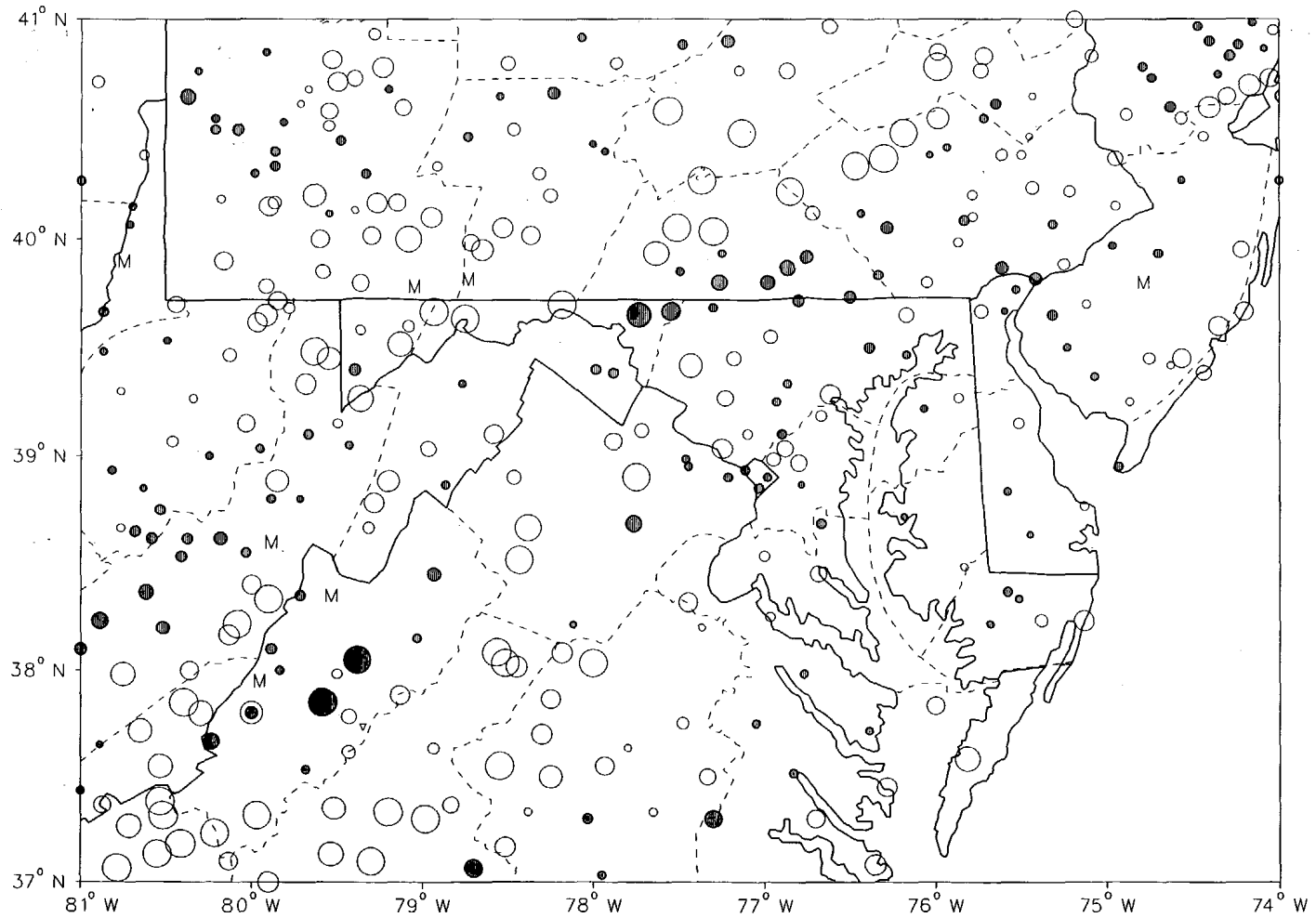
MONTHLY PRECIPITATION DEPARTURE FROM  
 THE DIVISIONAL AVERAGE FOR  
 SEPTEMBER 1991  
 MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

∇ ZERO DEPARTURE

○ ○ ○ ○ 5,10,20,... 50% OR MORE BELOW AVERAGE

● ● ● ● 10,20,40,...100% OR MORE ABOVE AVERAGE

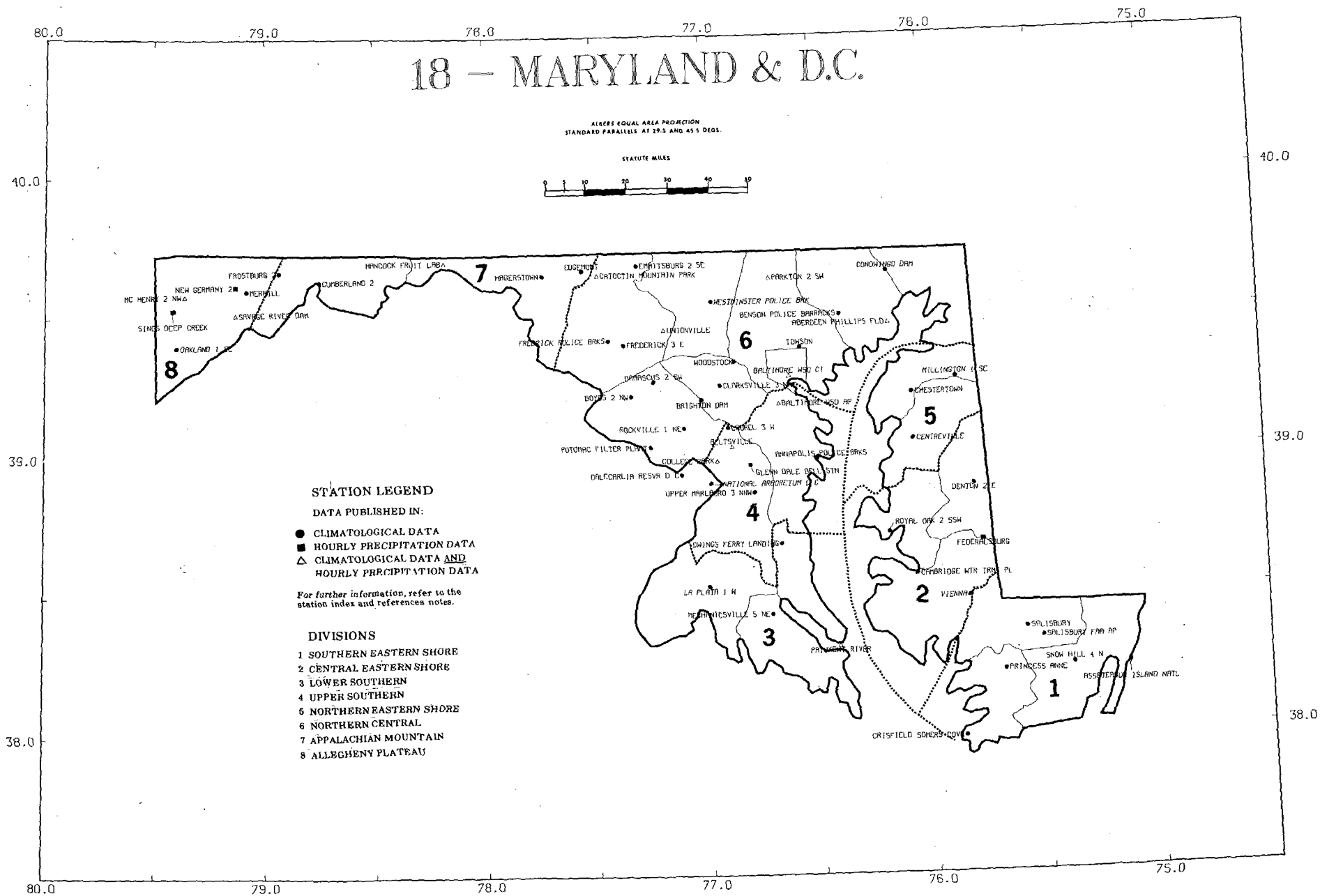


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

# 18 - MARYLAND & D.C.

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29.5 AND 45.5 DEGS.

STATUTE MILES



## STATION LEGEND

DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

## DIVISIONS

- 1 SOUTHERN EASTERN SHORE
- 2 CENTRAL EASTERN SHORE
- 3 LOWER SOUTHERN
- 4 UPPER SOUTHERN
- 5 NORTHERN EASTERN SHORE
- 6 NORTHERN CENTRAL
- 7 APPALACHIAN MOUNTAIN
- 8 ALLEGHENY PLATEAU

76.0  
40.0

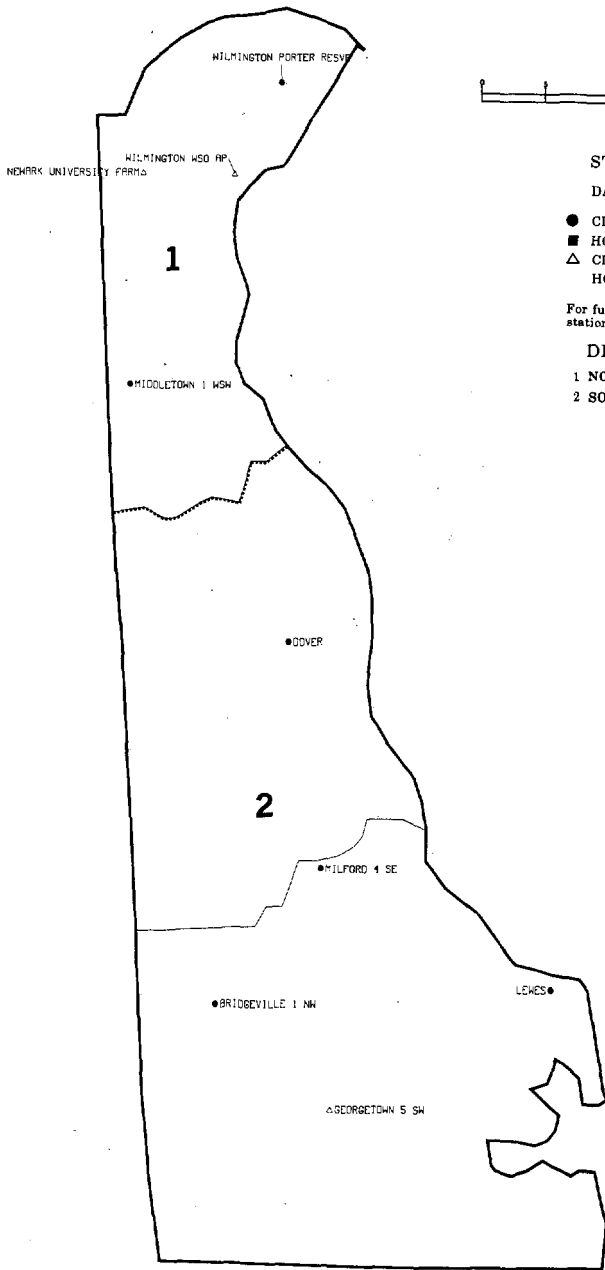
75.0

40.0

# 07 - DELAWARE

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29.5 AND 45.5 DEGS.

STATUTE MILES



## STATION LEGEND

### DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

## DIVISIONS

- 1 NORTHERN
- 2 SOUTHERN

39.0

39.0

38.0  
76.0

75.0

38.0

| MONTHLY PRECIPITATION TOTALS |        |       |      |      |       |      |     |     |     |     |     | ANNUAL 1987<br>NORTH CAROLINA |      |      |      |
|------------------------------|--------|-------|------|------|-------|------|-----|-----|-----|-----|-----|-------------------------------|------|------|------|
| STATION                      | ANNUAL | MONTH |      |      |       |      |     |     |     |     |     | SEP                           | OCT  | NOV  | DEC  |
|                              |        | JAN   | FEB  | MAR  | APR   | MAY  | JUN | JUL | AUG | SEP | OCT |                               |      |      |      |
| NORTH CAROLINA               | 34.57  | 1.11  | 1.85 | 2.75 | 0.57  | 3.55 |     |     |     |     |     |                               | 4.19 | 5.28 | 4.29 |
| ASHEVILLE WSO AP             | 25.67  | 0.71  | 1.57 | 1.81 | 0.53  | 2.55 |     |     |     |     |     |                               | 2.77 | 4.15 | 2.49 |
| ASHEVILLE                    | 36.74E | 1.20  | 2.70 | 2.90 | 0.54E |      |     |     |     |     |     |                               | 3.60 | 4.90 | 4.80 |
| ASHFORD                      | -      | -     | 1.30 | 2.60 | 1.54E |      |     |     |     |     |     |                               | 2.40 | 4.10 | 2.90 |
| BADIN                        | -      | 1.70  | 1.50 | 3.60 |       |      |     |     |     |     |     |                               | -    | 1.70 | -    |
| B EVERETT JORDAN DAM         | -      | -     | -    | -    | -     | -    | -   | -   | -   | -   | -   | -                             | -    | -    | -    |
| BOOKER 5 WSH                 | -      | 1.00  | 2.10 |      |       |      |     |     |     |     |     |                               |      |      |      |
| BURLINGTON 3 MNE             | -      | 0.80  | 1.2E |      |       |      |     |     |     |     |     |                               |      |      |      |
| CAPE HATTERAS WSO            | 48.86  | 5.75  |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| CARRIAGE 3 SE                | -      | 1.70  |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| CATALOCHEE                   | -      | 0.6E  |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| CHARLOTTE WSO AP             | 26.91  |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| CLINTON 2 NE                 | 3E     |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| DALTON                       | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| DOSON                        | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| EDEN                         | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| ELLEN                        | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| ELLIS                        | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| FAYET                        | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| FRANKLIN                     | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| GREENSBORO                   | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| GREENVILLE                   | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| HELTON                       | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| HOBUCKEN                     | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| LAKE LURE                    | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| LAURINBURG                   | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| LEXINGTON                    | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| MORRISVILLE 2                | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| MOREHEAD CITY                | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| MOUNT PLEASANT               | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| N WILKESBORO 12              | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| POLKTON 2 NE                 | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| QUEBEC                       | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| RACE TOP-DORRAN WSO          | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| REARMEKE RAPIDS              | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| REARING GAP 1 NW             | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| SHELEY 2                     | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| SNEEDS TERRY 2 ENE           | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| SPANANOMA 2 SSE              | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| WILKINGTON WSO AP            | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| WILSON 3 SW                  | -      |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |
| YORKVILLE 6 E                | 28     |       |      |      |       |      |     |     |     |     |     |                               |      |      |      |

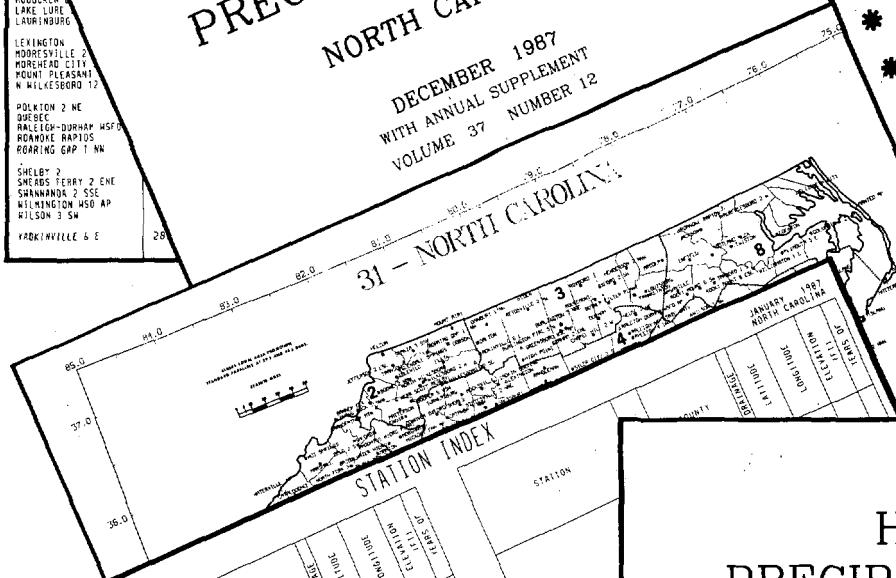
# HOURLY PRECIPITATION DATA

## NORTH CAROLINA

DECEMBER 1987  
WITH ANNUAL SUPPLEMENT  
VOLUME 37 NUMBER 12

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| STATION              | COUNTY | 30 JUL 1987 | 30 AUG 1987 | 30 SEPT 1987 | 30 OCT 1987 | 30 NOV 1987 | 30 DEC 1987 |
|----------------------|--------|-------------|-------------|--------------|-------------|-------------|-------------|
| NORTH CAROLINA       |        | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |
| ASHEVILLE WSO AP     | BOYD   | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |
| ASHEVILLE            | BOYD   | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |
| ASHFORD              | BOYD   | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |
| BADIN                | BOYD   | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |
| B EVERETT JORDAN DAM | BOYD   | 30.0        | 30.0        | 30.0         | 30.0        | 30.0        | 30.0        |

| STATION              | MONTHLY PRECIPITATION MAXIMA |    |    |        |         |         |
|----------------------|------------------------------|----|----|--------|---------|---------|
|                      | MINUTES                      | 15 | 30 | 45     | 1 HOUR  | 2 HOURS |
| NORTH CAROLINA       | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |
| ASHEVILLE WSO AP     | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |
| ASHEVILLE            | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |
| ASHFORD              | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |
| BADIN                | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |
| B EVERETT JORDAN DAM | 15                           | 30 | 45 | 1 HOUR | 2 HOURS | 3 HOURS |

| STATION              | HOURLY PRECIPITATION |   |   |   |   |   |   |   |   |    |    |    |
|----------------------|----------------------|---|---|---|---|---|---|---|---|----|----|----|
|                      | A.M. HOUR ENDING     |   |   |   |   |   |   |   |   |    |    |    |
|                      | 1                    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| NORTH CAROLINA       |                      |   |   |   |   |   |   |   |   |    |    |    |
| ASHEVILLE WSO AP     |                      |   |   |   |   |   |   |   |   |    |    |    |
| ASHEVILLE            |                      |   |   |   |   |   |   |   |   |    |    |    |
| ASHFORD              |                      |   |   |   |   |   |   |   |   |    |    |    |
| BADIN                |                      |   |   |   |   |   |   |   |   |    |    |    |
| B EVERETT JORDAN DAM |                      |   |   |   |   |   |   |   |   |    |    |    |

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ISSN 0364-6319

## HOURLY PRECIPITATION DATA

### NORTH CAROLINA

JANUARY 1987

VOLUME 37 NUMBER 1

HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

SHELF STOCK of the printed publication is maintained only for the most recent 3 years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data is also available in digital form - on magnetic tape or floppy disk.

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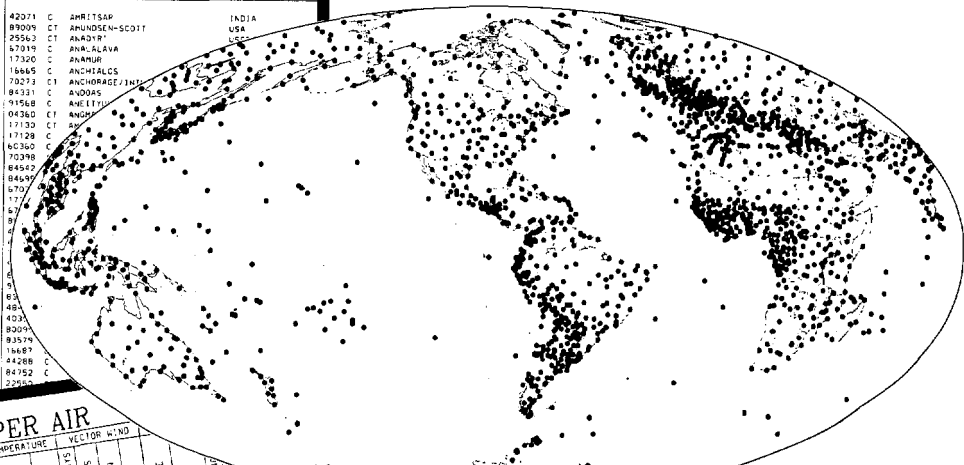
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NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

# CLIMATIC DATA STATIONS - WORLDWIDE

## STATION LIST WMO PUB 9 VOL 4

|          |                              |                   |          |                |       |
|----------|------------------------------|-------------------|----------|----------------|-------|
| 41246 C  | 15GHARI MAJIS                | OMAN              | 42021 C  | SHRITISAP      | INDIA |
| 40831 C  | ABADAN                       | IRAN, ISLAMIC REP | 89009 CT | ARUNDSEN-SCOTT | USA   |
| 47405 C  | ABASHIRI                     | JAPAN             | 25563 CT | ANADIR         | USA   |
| 71108 C  | ABBOTSFORD, B.C.             | CANADA            | 87311 C  | ANAL-LEVA      |       |
| 64758 C  | ABECHE                       | CHAD              | 17320 C  | ANAMUR         |       |
| 33091 C  | ABIDJEN/DICE                 | U.KINGDOM         | 18665 C  | ANCHIALOS      |       |
| 41112 C  | ABJA                         | SAUDI ARABIA      | 70273 CT | ANCHORAGE/INTL |       |
| 05578 CT | ABJOJAN                      | CDIC D'IVOIRE     | 86331 C  | ANDOS          |       |
| 72268 C  | ABILENE, TX                  | USA               | 91568 C  | ANLITI         |       |
| 41216 C  | ABU DHABI BATEEN AIRPORT     | U ARAB EMIRATES   | 04360 CT | ANGERS         |       |
| 43217 C  | ABU DHABI INTL AIRPORT       | U ARAB EMIRATES   | 17130 CT | ANIK           |       |
| 62440 C  | ABU HAREB                    | SUDAN             | 17128 C  | ANIS           |       |
| 92795 C  | ABU MARIYA                   | SUDAN             | 86360 C  | ANIS           |       |
| 78650 C  | ACAJUALA                     | EL SALVADOR       | 70398    | ANIS           |       |
| 76805 C  | ACAPULCC, GRO.               | MEXICO            | 84542    | ANIS           |       |
| 80827 C  | ACAPULCO                     | MEXICO            | 96499    | ANIS           |       |
| 17352 CT | ADANA                        | TURKEY            | 670      | ANIS           |       |
| 83450 CT | ADDIS ABABA                  | ETHIOPIA          | 177      | ANIS           |       |
| 74852 CT | ADDIS ABABA                  | AUSTRALIA         | 177      | ANIS           |       |
| 41467 C  | ADEN-KHORRAMSAR              | DEM YEMEN         | 8        | ANIS           |       |
| 85590 C  | ADIFAC                       | CDIC D'IVOIRE     | 8        | ANIS           |       |
| 80826 C  | ADIRAB                       | MEXICO            | 8        | ANIS           |       |
| 76479 CT | AEROP. INTL. MEXICO, D.F.    | MEXICO            | 8        | ANIS           |       |
| 76644 CT | AEROP. INTL. MERIDA, YUC.    | MEXICO            | 8        | ANIS           |       |
| 74394 I  | AEROP. INTL. MONTERREY, N.L. | MEXICO            | 8        | ANIS           |       |
| 87582 C  | AEROPARQUE                   | ARGENTINA         | 8        | ANIS           |       |
| 17150 C  | AFFON                        | TURKEY            | 8        | ANIS           |       |
| 61024 C  | AGADEZ                       | ALGERIA           | 8        | ANIS           |       |
| 60250 C  | AGADIR                       | MOROCCO           | 8        | ANIS           |       |
| 61974 C  | AGALEGA                      | MAURITIUS         | 8        | ANIS           |       |
| 42261 C  | AGRA                         | INDIA             | 8        | ANIS           |       |
| 16472 C  | AGRINON (AIRPORT)            | GREECE            | 8        | ANIS           |       |
| 42647 CT | AHMADABAD                    | INDIA             | 8        | ANIS           |       |
| 80840 C  | AIN SEFRA                    | ALGERIA           | 8        | ANIS           |       |
| 61499 C  | AJOUH EL ATROUSS             | ALGERIA           | 8        | ANIS           |       |
| 07961 CT | AJACCIO                      | CORSE             | 8        | ANIS           |       |
| 31188 C  | AJMER                        | INDIA             | 8        | ANIS           |       |
| 17184 C  | AKHISAP                      | FRANCE            | 8        | ANIS           |       |
| 45682 CT | AKITA                        | JAPAN             | 8        | ANIS           |       |
| 81937    |                              |                   | 8        | ANIS           |       |



NATIONAL CLIMATIC DATA CENTER



### UPPER AIR

| LEVEL | TEMPERATURE |       |       |       | VECTOR WIND |       | LEVEL | TEMPERATURE |       |       |       | VECTOR WIND |       |
|-------|-------------|-------|-------|-------|-------------|-------|-------|-------------|-------|-------|-------|-------------|-------|
|       | TEMP        | DEP   | WIND  | DIR   | WIND        | DIR   |       | TEMP        | DEP   | WIND  | DIR   | WIND        | DIR   |
| 3000  | 236.5       | 101.0 | 101.0 | 101.0 | 101.0       | 101.0 | 3000  | 236.5       | 101.0 | 101.0 | 101.0 | 101.0       | 101.0 |

### SURFACE

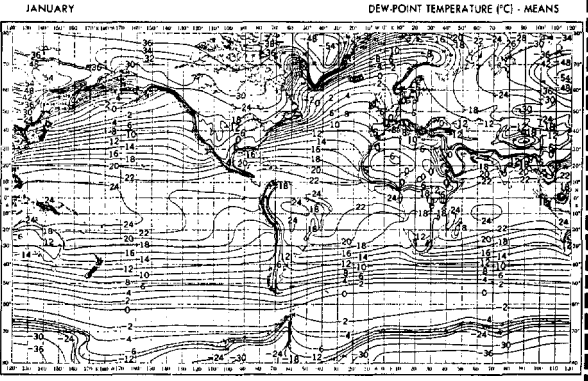
| STATION     | LATITUDE | LONGITUDE | ELEVATION | PRESSURE |        | TEMPERATURE |        | VAPOR PRESSURE |        | PRECIPITATION |       | SUNSHINE |
|-------------|----------|-----------|-----------|----------|--------|-------------|--------|----------------|--------|---------------|-------|----------|
|             |          |           |           | MEAN     | MAX    | MEAN        | DEPART | MEAN           | DEPART | TOTAL         | OF H. |          |
| 7056N 0080W | 70.56    | 008.0     | 29        | 1001.5   | 1005.7 | -16.4       | -5.6   | 0.0            | 0.0    | 0.0           | 0.0   | 167      |

JANUARY 1988  
VOL. 41 NO. 1  
ISSN 0027-0296



## MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION



MONTHLY CLIMATIC DATA for the WORLD (MCDW) is a publication of monthly summaries of climatic data from around the world. Data are prepared by Members of the World Meteorological Organization for selected stations and exchanged via the Global Telecommunications System in coded format.

Tables of both Surface and Upper Air data are presented. Surface data tables contain elements of pressure, temperature, vapor pressure, precipitation, and sunshine. Upper Air tables contain geopotential heights, temperatures, dew point depressions, and vector winds for ten selected pressure levels between the surface and thirty millibars (hectopascals). A Station List is also provided which, in the January and July editions, contains all stations authorized for publication. In other months the list contains only those stations from which data no more than two months old have been recently received.

Currently, world maps of long term mean temperatures, dew points, and sea level pressures are included on the cover of the MCDW. The maps are generally representative of conditions during the 1950's to mid-1970's, however some data may be from as early as the 1850's.

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**HOURLY  
PRECIPITATION DATA  
ARIZONA**

DECEMBER  
WITH ANNUAL SUPPLEMENT

**HOURLY  
PRECIPITATION DATA  
ARIZONA**

VOLUME 35 NUMBER



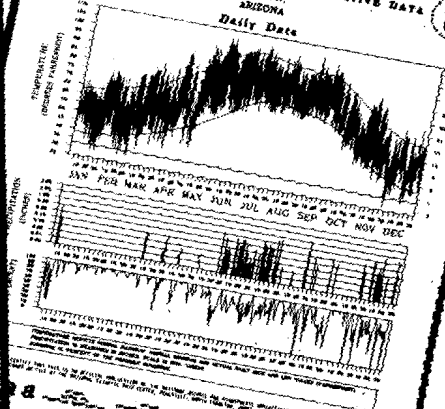
**CLIMATOLOGICAL DATA  
ANNUAL SUMMARY  
ARIZONA**

**CLIMATOLOGICAL DATA  
ARIZONA**

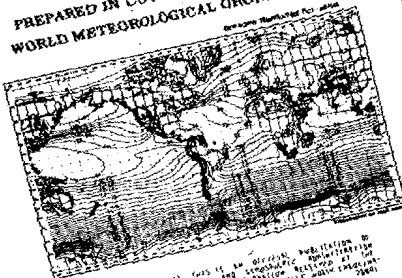
**LOCAL  
CLIMATOLOGICAL DATA  
Monthly Summary**

| STATION | DATE | TEMPERATURE | PRECIPITATION | RELATIVE HUMIDITY | WIND VELOCITY | WIND DIRECTION | WIND FORCE | WIND STATE | WIND GUSTS | WIND SQUALLS | WIND BURSTS | WIND CALMS | WIND VELOCITY | WIND DIRECTION | WIND FORCE | WIND STATE | WIND GUSTS | WIND SQUALLS | WIND BURSTS | WIND CALMS |
|---------|------|-------------|---------------|-------------------|---------------|----------------|------------|------------|------------|--------------|-------------|------------|---------------|----------------|------------|------------|------------|--------------|-------------|------------|
| TUCSON  | 1950 | 65.0        | 0.0           | 65                | 10            | 000            | 0          | 0          | 0          | 0            | 0           | 0          | 10            | 000            | 0          | 0          | 0          | 0            | 0           | 0          |

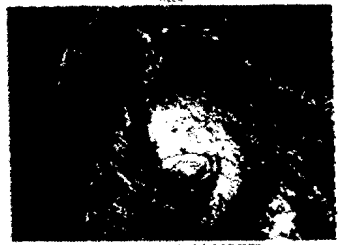
**LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA  
TUCSON,  
ARIZONA  
Daily Data**



**MONTHLY CLIMATIC  
DATA FOR THE WORLD  
PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION**



**STORM DATA**



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VALIDATED BY:

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