

CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA

1988

VOLUME 98 NUMBER 13



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Kenneth D. Wadler

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NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JAN | | FEB | | MAR | | APR | | MAY | | JUN | |
|---------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| VIRGINIA | | | | | | | | | | | | |
| TIDEWATER 01 | | | | | | | | | | | | |
| BACK BAY WL REF | M 3.65 | | 2.23 | | 2.07 | | 3.51 | | M 5.33 | | 6.23 | |
| COLONIAL BEACH | 3.35 | | 3.46 | | 2.26 | | 1.92 | | 5.49 | | 3.26 | |
| EMPORIA 1 WNW | 2.48 | -.76 | 3.40 | | 2.11 | -1.35 | 4.55 | 1.65 | 4.15 | | 4.93 | 1.45 |
| FREDERICKSBURG NATL PK | 3.86 | -.75 | 2.50 | -.38 | 1.79 | -2.05 | 1.95 | -1.11 | 6.84 | 3.37 | 1.89 | -1.75 |
| HOLLAND 1 E | 3.14 | -.91 | 3.78 | .23 | 1.76 | -2.20 | 3.35 | -.30 | 5.15 | 1.12 | 3.61 | -.66 |
| HOPEWELL | 2.73 | -.84 | 3.39 | .14 | 1.67 | -2.01 | 1.99 | -1.18 | 3.95 | .13 | 2.08 | -1.38 |
| KILMARNOCK 1 N | 2.56 | | 4.28 | | 2.60 | | 3.10 | | 3.29 | | 2.07 | |
| LANGLEY AFB | 2.59 | -1.13 | 3.78 | .29 | 2.95 | -1.31 | 4.09 | 1.25 | 6.80 | 3.03 | 3.21 | -.53 |
| MATHEWS 2 ENE | 2.53 | | 4.32 | | 4.28 | | 3.40 | | 4.85 | | 2.70 | |
| NORFOLK WSO AP | 3.12 | -.60 | 2.70 | -.58 | 2.11 | -1.75 | 3.53 | .66 | 5.49 | 1.74 | 3.83 | .38 |
| PAINTER 2 W | 2.96 | -.45 | 3.65 | .34 | 2.67 | -1.46 | 3.28 | .36 | 3.16 | -.31 | 3.02 | -.49 |
| STONY CREEK 3 ESE | 1.93 | | 4.05 | | 3.38 | | 3.58 | | 4.01 | | 5.11 | |
| SUFFOLK LAKE KILBY | 3.32 | -.58 | 3.39 | -.25 | 2.52 | -1.59 | 3.73 | .78 | 6.28 | 2.47 | 3.04 | -1.00 |
| TANGIER ISLAND | 2.37 | | 4.04 | | 4.63 | | | | 3.97 | | 1.66 | |
| WAKEFIELD 2 | 2.57 | | 2.35 | | 3.00 | | .75 | | 7.00 | | | |
| WALKERTON 2 NW | 3.14 | -.18 | 4.17 | .99 | 2.42 | -1.25 | 2.80 | -.14 | 5.13 | 1.27 | 1.80 | -2.23 |
| WALLACETON LK DRUMMOND | 3.66 | -.37 | 3.98 | .34 | 2.91 | -1.11 | 4.47 | 1.26 | 7.81 | 3.67 | 5.20 | 1.20 |
| WARSAW 2 NW | 3.19 | .02 | 3.73 | .99 | 1.89 | -1.62 | 2.26 | -.70 | 5.25 | 1.24 | 2.67 | -1.02 |
| WEST POINT 2 SW | 2.57 | | 4.20 | | 1.94 | | 1.90 | | 4.33 | | 2.28 | |
| WILLIAMSBURG 2 N | 2.37 | | 4.22 | .73 | 2.07 | -2.15 | 2.31 | -.67 | 7.41 | 3.01 | 2.81 | -1.40 |
| --DIVISIONAL DATA--> | 2.90 | -.61 | 3.56 | .33 | 2.53 | -1.40 | 3.01 | .09 | 5.14 | 1.44 | 3.12 | -.58 |
| EASTERN PIEDMONT 02 | | | | | | | | | | | | |
| AMELIA 4 SW | 2.38 | | 2.07 | | 1.94 | | 2.51 | | 3.44 | | 2.99 | |
| ASHLAND | 3.28 | | 2.54 | | 2.07 | | 2.91 | | 4.97 | | 1.94 | |
| BREMO BLUFF | | | .94 | -2.14 | 1.22 | -2.59 | 2.29 | | 3.31 | -.42 | 2.88 | -.72 |
| BUCKINGHAM | 2.81 | -.28 | 1.39 | -1.55 | 1.47 | -2.25 | 2.84 | -.31 | 5.02 | 1.22 | 2.69 | -.63 |
| CAMP PICKETT | 2.61 | | 2.25 | | 2.14 | | 3.18 | | 3.16 | | 2.54 | |
| CHASE CITY | 1.84 | | .67 | | 1.99 | | 3.42 | .29 | 2.96 | -.47 | 5.58 | 2.01 |
| CLARKSVILLE | 2.73 | | 2.18 | -1.21 | 1.80 | -1.99 | 4.40 | 1.23 | 2.09 | -1.60 | 3.59 | -.02 |
| CORBIN | 3.74 | | 2.81 | | 2.28 | | 2.21 | | 5.02 | | 2.21 | |
| CROZIER | 3.01 | | 2.42 | | 2.19 | | 1.87 | | 3.15 | | 1.56 | |
| CUMBERLAND | 3.14 | | 2.18 | | 2.35 | | 3.67 | | 5.73 | | 3.64 | |
| FARMVILLE 2' N | 3.04 | -.42 | 1.67 | -1.63 | 2.05 | -1.84 | 2.94 | -.22 | 6.81 | 2.99 | 4.48 | .85 |
| GORDONSVILLE 3 S | 3.28 | | 1.82 | | 2.40 | | 1.38 | | 5.59 | | 2.84 | |
| JOHN H KERR DAM | 3.12 | -.28 | 2.05 | -1.20 | 1.39 | -2.20 | 4.21 | 1.22 | 2.32 | -1.25 | 2.41 | -.99 |
| KEYSVILLE 8 N | 1.22 | | 1.56 | | 1.60 | | 2.49 | | 2.98 | | 1.90 | |
| LAWRENCEVILLE 5 W | 3.14 | -.48 | 1.28 | | 1.77 | -2.22 | 3.30 | .22 | 1.01 | -2.94 | 6.39 | 2.38 |
| LOUISA | 3.25 | .18 | 1.96 | -1.11 | 1.82 | -1.99 | 1.31 | -1.73 | 5.32 | 1.93 | 1.99 | -1.95 |
| PALMYRA 1 E | 2.98 | | 1.42 | | 2.46 | | 1.71 | | 5.54 | | 3.42 | |
| POWHATAN | 3.17 | | 2.54 | | 2.24 | | 3.01 | | 2.83 | | 1.58 | |
| RICHMOND WSO AP | 2.53 | -.70 | 3.08 | -.05 | 1.98 | -1.59 | 2.55 | -.35 | 4.81 | 1.26 | 2.25 | -1.35 |
| WINTERPOCK 4 W | 3.05 | | 2.44 | | 2.07 | | 2.42 | | 2.74 | | 2.31 | |
| --DIVISIONAL DATA--> | 3.01 | -.31 | 2.18 | -1.01 | 1.90 | -1.86 | 2.76 | -.33 | 3.86 | .20 | 3.10 | -.56 |
| WESTERN PIEDMONT 03 | | | | | | | | | | | | |
| ALTAVISTA | 2.33 | -.88 | 1.51 | -1.56 | 2.30 | -1.30 | 3.71 | .79 | 4.11 | -.30 | 1.47 | -1.78 |
| APPOMATTOX | 2.26 | -.74 | 1.31 | -1.77 | 1.68 | -2.19 | 4.03 | .70 | 7.44 | 3.65 | 2.06 | -1.34 |
| BEDFORD | 1.91 | -1.17 | 1.15 | -2.06 | 1.12 | -2.75 | 3.13 | -.16 | 3.53 | -.27 | 2.00 | -1.88 |
| CHARLOTTE COURT HOUSE 3 W | 2.72 | -.53 | 1.76 | -1.40 | 2.35 | -1.45 | 3.07 | -.19 | 3.56 | .09 | 1.59 | -2.14 |
| CHARLOTTESVILLE 2 W | 2.64 | -.64 | | | | | 1.34 | -1.94 | 7.01 | 2.84 | 2.37 | -1.54 |
| CHATHAM | 2.18 | -1.23 | 1.44 | -1.88 | 1.97 | -2.19 | 3.68 | .14 | 4.08 | .19 | 3.62 | .02 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANNUAL | |
|---------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| VIRGINIA | | | | | | | | | | | | | | |
| TIDEWATER 01 | | | | | | | | | | | | | | |
| BACK BAY WL REF. | 2.29 | | 7.53 | | 1.82 | | 2.10 | | 3.27 | | .57 | | M 40.60 | |
| COLONIAL BEACH | 4.90 | | 4.15 | | 1.90 | | 2.67 | | 4.80 | | 1.02 | | 39.18 | |
| EMPORIA 1 WNW | 3.53 | -1.38 | 1.76 | -2.66 | 3.54 | -.11 | 3.85 | .89 | 3.80 | .97 | .58 | -2.81 | 38.68 | -3.74 |
| FREDERICKSBURG NATL PK | 4.22 | .54 | 4.01 | -.40 | 1.85 | -1.51 | 1.88 | -1.32 | 5.81 | 2.77 | 1.00 | -2.30 | 37.60 | -3.39 |
| HOLLAND 1 E | 4.48 | -.74 | 4.94 | -.50 | 2.67 | -1.41 | 2.82 | -1.22 | 4.19 | 1.19 | .56 | -2.90 | 40.45 | -7.70 |
| HOPEWELL | 4.70 | -.35 | 2.34 | -2.28 | 3.42 | -.67 | 3.32 | -.31 | 4.14 | 1.06 | .77 | -2.62 | 34.50 | -10.31 |
| KILMARNOCK 1 N | 2.48 | | 2.46 | | 2.65 | | 2.81 | | 4.42 | | .63 | | 33.35 | |
| LANGLEY AFB | 3.67 | -1.13 | 3.65 | -1.12 | 3.54 | -1.06 | 3.32 | -.07 | 4.67 | 1.76 | .57 | -2.69 | 42.84 | -2.71 |
| MATHEWS 2 ENE | 3.09 | | 4.93 | | 2.39 | | 2.82 | | 3.96 | | .89 | | 40.16 | |
| NORFOLK WSO AP | 2.93 | -2.22 | 5.69 | .36 | 1.74 | -2.61 | 2.85 | -.56 | 4.02 | 1.14 | .67 | -2.50 | 38.68 | -6.54 |
| PAINTER 2 W | 4.87 | .77 | 5.06 | .78 | 3.04 | -.37 | 3.24 | -.33 | 3.49 | .53 | .85 | -2.52 | 39.29 | -3.15 |
| STONY CREEK 3 ESE | 4.36 | | 2.31 | | 1.65 | | 2.57 | | M 3.61 | | .93 | | M 37.49 | |
| SUFFOLK LAKE KILBY | 4.32 | -.67 | 5.81 | .61 | 3.46 | -.82 | 3.19 | -.44 | 3.75 | .81 | .52 | -2.92 | 43.33 | -3.60 |
| TANGIER ISLAND | 4.31 | | 2.61 | | 2.52 | | 2.58 | | 4.35 | | .39 | | | |
| WAKEFIELD 2 | 8.01 | | 7.38 | | 2.90 | | 2.30 | | 2.70 | | M .00 | | | |
| WALKERTON 2 NW | 5.76 | 1.05 | 2.86 | -2.00 | 1.90 | -1.78 | 2.69 | -.71 | 4.92 | 1.44 | .81 | -2.59 | 38.40 | -6.13 |
| WALLACETON LK DRUMMOND | 3.18 | -1.79 | 5.93 | .41 | 3.00 | -1.17 | 4.46 | .41 | 3.47 | .61 | 1.40 | -2.20 | 49.47 | 1.26 |
| WARSAW 2 NW | 2.94 | -1.44 | 1.60 | -2.73 | 2.25 | -1.94 | 2.52 | -1.01 | 5.04 | 1.74 | .53 | -2.67 | 33.87 | -9.14 |
| WEST POINT 2 SW | 3.47 | | 3.69 | | 2.64 | | 3.31 | | 4.35 | | .77 | | 35.45 | |
| WILLIAMSBURG 2 N | 2.76 | -2.47 | 4.01 | -.67 | 2.40 | -2.02 | 2.50 | -1.06 | 4.24 | 1.03M | .63 | | M 37.73 | |
| --DIVISIONAL DATA-----> | 4.06 | -.46 | 4.04 | -.68 | 2.54 | -1.40 | 2.81 | -.58 | 4.22 | 1.19 | .71 | -2.57 | 38.64 | -5.23 |
| EASTERN PIEDMONT 02 | | | | | | | | | | | | | | |
| AMELIA 4 SW | 7.50 | | 3.81 | | 1.54 | | 2.83 | | 5.28 | | .89 | | 37.18 | |
| ASHLAND | 7.21 | | 3.04 | | 1.78 | | 2.73 | | 4.91 | | 1.00 | | 38.38 | |
| BREMO BLUFF | 4.79 | 1.29 | 2.78 | -1.28 | 1.16 | -1.92 | 1.58 | -2.06 | 5.18 | 2.16 | .45 | -2.68 | | |
| BUCKINGHAM | 2.07 | -1.69 | 3.46 | -.56 | 1.13 | -2.59 | 1.91 | -1.64 | 5.48 | 2.53 | .71 | -2.42 | 30.98 | -10.17 |
| CAMP PICKETT | 3.85 | | 2.27 | | 2.14 | | 4.10 | | 4.40 | | .84 | | 33.48 | |
| CHASE CITY | 7.19 | 3.47 | 3.86 | .00 | 3.23 | -.23 | 3.85 | .38 | 4.44 | 1.24M | 1.52 | | M 37.59 | |
| CLARKSVILLE | 5.11 | 1.30 | 3.48 | -.66 | 2.98 | -.36 | 3.33 | .24 | 5.07 | 2.09M | .83 | | M 36.97 | |
| CORBIN | 3.85 | | 3.21 | | 2.63 | | 2.19 | | 6.00 | | .82 | | 36.97 | |
| CROZIER | 5.79 | | 4.43 | | 1.35 | | 2.37 | | 4.65 | | .68 | | 33.47 | |
| CUMBERLAND | 4.53 | | 3.82 | | 1.08 | | 1.80 | | 5.49 | | .70 | | 38.13 | |
| FARMVILLE 2 N | 4.20 | -.04 | 4.11 | .04 | 1.74 | -1.64 | 2.02 | -1.49 | 4.62 | 1.45 | .92 | -2.38 | 38.60 | -4.33 |
| GORDONSVILLE 3 S | 4.41 | | 2.79 | | 1.14 | | 1.32 | | 5.12 | | 1.38 | | 33.47 | |
| JOHN H KERR DAM | 4.20 | -.11 | 2.73 | -1.06 | 3.77 | .26 | 5.04 | 1.62 | 4.59 | 1.51 | .79 | -2.43 | 36.62 | -4.91 |
| KEYSVILLE 8 N | 3.03 | | 3.24 | | 1.55 | | .65 | | 3.60 | | .36 | | M 24.18 | |
| LAWRENCEVILLE 5 W | 2.86 | -1.20 | 2.84 | -1.33 | 3.88 | .04 | 4.25 | .68 | 3.64 | .51 | .64 | -3.01M | 35.00 | |
| LOUISA | 4.40 | .54 | 2.96 | -1.50 | 1.48 | -1.78 | 1.07 | -2.56 | 6.90 | 3.74 | 1.09 | -2.30 | 33.55 | -8.53 |
| PALMYRA 1 E | 4.11 | | 3.40 | | 1.51 | | 1.42 | | 6.28 | | .93 | | 35.18 | |
| POWHATAN | 3.93 | | 4.36 | | 1.26 | | 2.37 | | 4.87 | | .58 | | M 32.74 | |
| RICHMOND WSO AP | 7.50 | 2.36 | 2.95 | -2.06 | 1.74 | -1.78 | 2.74 | -1.00 | 4.34 | 1.05 | .79 | -2.60 | 37.26 | -6.81 |
| WINTERPOCK 4 W | 8.65 | | 3.11 | | 2.82 | | 3.70 | | 5.17 | | .93 | | 39.41 | |
| --DIVISIONAL DATA-----> | 5.28 | 1.14 | 3.25 | -1.11 | 2.20 | -1.49 | 2.90 | -.79 | 4.91 | 1.76 | .81 | -2.49 | 36.16 | -6.85 |
| WESTERN PIEDMONT 03 | | | | | | | | | | | | | | |
| ALTAVISTA | 8.13 | 4.52 | 6.21 | 2.50 | 2.14 | -1.00 | 2.60 | -.69 | 4.09 | 1.29 | 1.56 | -1.48 | 40.16 | -.71 |
| APPOMATTOX | 4.99 | .96 | 5.36 | 1.58 | 1.58 | -2.03 | 1.72 | -1.72 | 4.64 | 1.58 | .92 | -2.23 | 37.99 | -3.55 |
| BEDFORD | 3.49 | -.58 | 4.78 | .83 | 3.78 | .38 | 1.05 | -2.51 | 4.12 | 1.22 | 1.65 | -1.44 | 31.71 | -10.39 |
| CHARLOTTE COURT HOUSE 3 W | 6.20 | 2.49 | 5.07 | 1.08 | 1.97 | -1.69 | 2.34 | -1.21 | 5.74 | 2.84 | .97 | -2.19 | 37.34 | -4.30 |
| CHARLOTTESVILLE 2 W | 4.46 | -.05 | 4.14 | -.37 | 1.73 | -2.17 | 1.37 | -2.83M | | | 1.43 | -1.92 | | |
| CHATHAM | 8.17 | 4.23 | 3.95 | .15 | 2.60 | -1.19 | 1.76 | -1.79 | 4.44 | 1.35 | 1.30 | -2.09 | 39.19 | -4.29 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JAN | | FEB | | MAR | | APR | | MAY | | JUN | |
|-------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| CONCORD 4 SSW | 2.64 | -.69 | .62 | -2.44 | 2.18 | -1.71 | 3.57 | .35 | 5.60 | 2.00 | 2.77 | -.77 |
| DANVILLE-BRIDGE ST | 3.15 | -.28 | 1.82 | -1.50 | 2.10 | -1.91 | 4.60 | 1.15 | 4.25 | .52 | 1.98 | -1.88 |
| FREE UNION | 2.35 | | 1.61 | | 2.83 | | 1.48 | | 6.76 | | 1.96 | |
| HUDDLESTON 4 SW | 2.39 | -.79 | 1.19 | -1.88 | 1.64 | -2.32 | 3.63 | .26 | 3.56 | .05 | 2.25 | -.99 |
| LYNCHBURG WSO AP | 2.09 | -.97 | 1.26 | -1.67 | 1.55 | -2.14 | 3.72 | .82 | 4.20 | .55 | 2.04 | -1.43 |
| MARTINSVILLE FILT PL | 1.77 | | 1.62 | -1.91 | 2.34 | -1.94 | 3.68 | -.03 | 1.83 | -2.04 | 3.06 | -.87 |
| MEADOWS OF DAN 5 SW | 2.59 | -1.43 | 1.62 | -2.35 | 2.38 | -2.86 | 2.89 | | 2.03 | -2.65 | 4.36 | -.75 |
| MONTEBELLO 2 NE | 2.70 | -1.02 | 1.78 | -2.15 | 2.50 | -2.20 | 2.67 | -1.45 | 7.18 | 2.71 | .91 | -3.22 |
| MONTICELLO | 1.01 | | .35 | | | | .70 | | 4.53 | | 3.00 | |
| PEDLAR DAM | 2.01 | -1.23 | 1.28 | -2.12 | 1.65 | -2.74 | | | | | | |
| PHILPOTT DAM 2 | 2.52 | | 1.42 | | 2.17 | | 3.74 | | 2.69 | | 2.46 | |
| ROCKFISH | 2.65 | -.77 | 1.48 | -1.85 | 1.98 | -2.26 | 2.06 | -1.49 | 6.96 | 2.98 | 1.29 | -3.26 |
| ROCKY MOUNT | 2.29 | -.90 | 1.29 | -1.90 | 1.64 | -2.39 | 3.33 | -.28 | 3.67 | -.11 | 3.53 | .00 |
| ROSELAND 1 NNW | 2.25 | | 1.29 | | 3.19 | | 2.41 | | 5.88 | | 1.99 | |
| SOUTH BOSTON | 2.92 | | 2.42 | | 2.21 | | 3.51 | | 1.80 | | 5.18 | |
| STUART 1 SSE | 2.73 | | 1.93 | | 2.49 | | 3.22 | | 2.94 | | | |
| TYE RIVER 1 SE | 2.48 | -.83 | 1.53 | -1.59 | 2.04 | -2.00 | 2.26 | -1.08 | 6.64 | 2.74 | 1.60 | -2.06 |
| WOOLWINE | 3.21 | -.78 | 1.86 | -2.15 | 1.67 | -3.49 | 3.26 | -1.53 | 2.26 | -2.45 | 3.27 | -1.72 |
| --DIVISIONAL DATA-----> | 2.49 | -.80 | 1.48 | -1.79 | 1.97 | -2.15 | 3.33 | -.16 | 4.16 | .25 | 2.65 | -1.12 |
| NORTHERN 04 | | | | | | | | | | | | |
| BERRYVILLE | | | | | | | | | | | | |
| BIG MEADOWS | 2.51 | -.99 | 1.65 | -1.41 | 2.50 | -1.70 | 2.70 | | 10.20 | 5.72 | 1.24 | -3.08 |
| LINCOLN | 2.37 | -.57 | 1.29 | -1.35 | 2.55 | -1.33 | 3.38 | -.09 | 8.68 | 4.67 | .75 | -3.51 |
| LURAY 5 E | 1.59 | -1.40 | 1.54 | -.85 | 1.23 | -2.02 | 2.33 | -.56 | 6.49 | 3.05 | 1.91 | -1.68 |
| MOUNT WEATHER | 2.12 | -.39 | 1.30 | -.97 | 2.00 | -1.12 | 2.92 | -.43 | 8.52 | 4.40 | 1.91 | -2.55 |
| PIEDMONT RESEARCH STN | 2.72 | -.07 | 1.75 | -.83 | 1.58 | -2.11 | 1.55 | -1.52 | 5.27 | 1.57 | 3.50 | -.19 |
| STERLING (RCS) | 2.48 | | 2.23 | | 2.41 | | 2.77 | | 8.58 | | .76 | |
| THE PLAINS 2 NNE | 2.26 | | 1.77 | | 2.63 | | 2.70 | | 8.98 | | 1.27 | |
| VIENNA DUNN LORING | 2.69 | -.27 | 2.27 | -.44 | 2.67 | -1.04 | 2.36 | -1.02 | 6.10 | 2.18 | 1.48 | -2.63 |
| WARRENTON 3 SE | 2.57 | -.45 | 2.21 | -.40 | 1.86 | -1.64 | 2.18 | -1.04 | 5.62 | 2.08 | 1.30 | -2.53 |
| WASH DULLES WSO AP | 2.47 | -.36 | 2.06 | -.58 | 2.31 | -1.12 | 2.35 | -.79 | 10.26 | 6.64 | .52 | -3.71 |
| WASH NATL WSCMO AP | 3.14 | .38 | 2.52 | -.10 | 2.27 | -1.19 | 2.00 | -.93 | 4.50 | 1.02 | .95 | -2.40 |
| WINCHESTER "WINC" | 1.94 | | .82 | | 1.55 | | 2.20 | | 9.03 | | 1.01 | |
| WINCHESTER 3 ESE | 2.05 | -.45 | .76 | -1.60 | 1.62 | -1.66 | 2.89 | -.35 | 9.40 | 5.80 | | |
| WOODSTOCK 2 NE | 2.30 | -.10 | 1.12 | -.86 | 1.41 | -1.51 | 2.41 | -.44 | 6.12 | 2.89 | .96 | -2.52 |
| --DIVISIONAL DATA-----> | 2.36 | -.46 | 1.60 | -.90 | 1.94 | -1.52 | 2.45 | -.76 | 7.72 | 3.99 | 1.35 | -2.54 |
| CENTRAL MOUNTAIN 05 | | | | | | | | | | | | |
| BUENA VISTA | 1.40 | -1.38 | | | .13 | | 1.54 | -1.29 | 4.72 | 1.37 | 1.41 | -1.86 |
| COVINGTON | 2.37 | -.05 | .68 | -1.74 | .90 | -2.48 | 1.34 | -1.40 | 3.65 | .27 | 1.50 | -1.73 |
| COVINGTON FILT PLANT | 1.98 | | .99 | | 1.31 | | 1.48 | | 3.17 | | 1.78 | |
| CRAIGSVILLE 2 S | 2.06 | | .81 | | 1.24 | | 1.61 | | 3.58 | | 1.05 | |
| DALE ENTERPRISE | 1.96 | -.03 | .89 | -1.18 | .89 | -1.98 | 1.40 | -1.17 | 5.10 | 1.74 | 1.87 | -1.40 |
| EARLEHURST | 1.82 | | 1.37 | | 1.00 | | 2.53 | | 2.88 | | 1.59 | |
| GATHRIGHT DAM | 2.41 | | 1.44 | | 1.11 | | 1.70 | | 3.32 | | 1.66 | |
| GLASGOW 1 SE | 2.31 | | 1.48 | | 1.52 | | 2.57 | | 7.81 | | 1.72 | |
| GOSHEN | 2.60 | -.42 | 1.06 | -1.81 | 2.01 | -2.01 | 1.16 | | 4.34 | .57 | 1.06 | -2.49 |
| HOT SPRINGS | 1.03 | | 1.52 | -1.42 | 1.57 | -2.55 | 2.13 | -1.18 | 3.32 | -.53 | 1.43 | -2.24 |
| KERRS CREEK 6 WNW | 1.58 | | 1.49 | | 1.71 | | 1.75 | | 4.87 | | 1.21 | |
| LEXINGTON | 1.95 | -.80 | 1.17 | -1.72 | 1.64 | -2.15 | 1.90 | -.97 | 5.46 | 2.13 | 1.30 | -2.06 |
| MC DOWELL 3 W | 1.07 | | 1.55 | | .92 | | 1.95 | | 4.31 | | 1.02 | |
| MILLGAP 2 NNW | 2.65 | | 1.41 | | 1.18 | | 2.56 | | 4.36 | | 1.17 | |
| MONTEREY | 2.27 | -.69 | 1.50 | -1.40 | 1.31 | -2.54 | 3.09 | -.38 | 3.93 | .28 | 2.39 | -1.49 |
| MOUNTAIN GROVE | 2.35 | | .57 | | .64 | | 1.95 | | 3.30 | | .76 | |
| ROANOKE WSO AP | 1.87 | -.96 | 1.07 | -2.12 | .88 | -2.81 | 3.40 | .31 | 2.76 | -.75 | 3.66 | -.32 |
| STAUNTON SEWAGE PLANT | 2.53 | .00 | .78 | -1.41 | 1.00 | -2.19 | 2.76 | -.03 | 5.05 | 1.69 | 1.33 | -1.70 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANNUAL | |
|-------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| CONCORD 4 SSW | 2.37 | -1.40 | 3.42 | -.09 | 2.13 | -1.35 | 1.61 | -2.08 | 4.33 | 1.19 | .76 | -2.38 | 32.00 | -9.37 |
| DANVILLE-BRIDGE ST | 5.66 | 1.60 | 2.82 | -1.22 | 2.95 | -.73 | 2.34 | -.89 | 6.13 | 3.31 | 1.18 | -2.13 | 38.98 | -3.96 |
| FREE UNION | 5.80 | | 3.81 | | 1.85 | | 1.49 | | 3.69 | | 1.36 | | 34.99 | |
| HUDDLESTON 4 SW | 4.83 | 1.16 | 4.24 | .63 | 1.97 | -1.60 | 1.96 | -1.52 | 3.72 | .74 | 1.02 | -2.08 | 32.40 | -8.34 |
| LYNCHBURG WSO AP | 3.04 | -.81 | 3.68 | -.01 | 1.73 | -1.50 | 1.84 | -1.52 | 4.25 | 1.33 | 1.20 | -1.96 | 30.60 | -9.31 |
| MARTINSVILLE FILT PL | 8.97 | 4.43 | 4.23 | .13 | 4.38 | -.85 | 2.35 | -1.20 | 4.15 | 1.21 | 1.00 | | | |
| MEADOWS OF DAN 5 SW | 3.62 | -1.73 | 6.01 | .98 | 2.74 | -1.48 | 2.04 | -2.52 | 6.32 | 2.61 | 1.61 | -2.34 | 39.85 | |
| MONTEBELLO 2 NE | 6.04 | 1.67 | 5.96 | 1.97 | 1.62 | | 1.52 | -3.37 | 6.44 | 2.21 | 1.45 | -2.27 | 41.89 | -8.60 |
| MONTICELLO | 5.95 | | 2.75 | | | | 2.00 | | 3.56 | | .99 | | | |
| PEDLAR DAM | | | | | | | | | | | | | | |
| PHILPOTT DAM 2 | 7.37 | | 3.84 | | 3.68 | | 1.86 | | 3.81 | | 1.08 | | 36.64 | |
| ROCKFISH | 3.40 | -.74 | 4.46 | .22 | 2.39 | -1.87 | 1.09 | -3.28 | 4.36 | 1.00 | 1.54 | -2.07 | 33.66 | -13.39 |
| ROCKY MOUNT | 6.90 | 2.78 | 5.41 | 1.55 | 2.73 | -1.29 | 1.62 | -2.12 | 4.07 | 1.28 | .91 | -2.24 | 37.39 | -5.62 |
| ROSELAND 1 NNW | 3.65 | | 3.44 | | 5.12 | | 1.35 | | 4.27 | | 1.55 | | 36.39 | |
| SOUTH BOSTON | 7.47 | | 3.63 | | 2.80 | | 3.42 | | 4.91 | | 1.13 | | 41.40 | |
| STUART 1 SSE | 6.30 | | | | 4.96 | | 2.37 | | 3.84 | | .92 | | | |
| TYE RIVER 1 SE | 3.11 | -1.01 | 2.65 | -1.12 | 1.69 | -1.86 | 1.15 | -2.65 | 5.07 | 1.96 | 1.54 | -1.77 | 31.76 | -11.27 |
| WOOLWINE | 5.62 | .53 | 4.15 | -.24 | 3.26 | -2.46 | 1.94 | -2.86 | 4.71 | .95 | 1.08 | -2.96 | 36.29 | -19.16 |
| --DIVISIONAL DATA-----> | 5.86 | 1.65 | 4.02 | -.06 | 2.60 | -1.22 | 1.94 | -1.71 | 4.52 | 1.50 | 1.19 | -2.09 | 36.21 | -7.70 |
| NORTHERN 04 | | | | | | | | | | | | | | |
| BERRYVILLE | | | | | | | | | | | | | | |
| BIG MEADOWS | 3.73 | -.32 | 3.40 | -1.87 | 2.96 | -2.03 | 1.21 | -3.97 | | | 1.42 | -1.94 | | |
| LINCOLN | 6.86 | 2.92 | 3.88 | -.46 | 3.12 | -.21 | 1.64 | -1.42 | 3.71 | .67 | .81 | -2.41 | 39.04 | -3.09 |
| LURAY 5 E | 3.02 | -.55 | 3.83 | -.29 | 3.00 | -.59 | .91 | -2.68 | 4.15 | 1.14 | .83 | -1.99 | 30.83 | -8.42 |
| MOUNT WEATHER | 5.78 | 1.91 | 3.98 | -.07 | 2.59 | -.87 | 1.77 | -1.69 | 4.16 | .87 | .77 | -2.07 | 37.82 | -2.98 |
| PIEDMONT RESEARCH STN | 6.20 | 2.43 | 3.37 | -1.07 | 1.68 | -1.68 | 1.43 | -2.38 | 4.63 | 1.54 | .91 | -2.19 | 34.59 | -6.50 |
| STERLING (RCS) | 7.18 | | 4.42 | | 2.25 | | 1.75 | | 4.59 | | .96 | | 40.38 | |
| THE PLAINS 2 NNE | 2.60 | | 2.71 | | 2.29 | | 1.35 | | 4.43 | | .83 | | 33.82 | |
| VIENNA DUNN LORING | 3.92 | -.34 | 2.90 | -1.78 | 2.09 | -1.91 | 1.80 | -1.30 | 5.32 | 2.08 | 1.16 | -2.06 | 34.76 | -8.53 |
| WARRENTON 3 SE | 2.27 | -1.66 | 2.89 | -1.01 | 2.03 | -1.29 | 1.48 | -1.66 | 4.96 | 1.98 | 1.71 | -1.35 | 31.08 | -8.97 |
| WASH DULLES WSO AP | 7.12 | 3.37 | 3.92 | -.24 | 1.80 | -1.46 | 1.60 | -1.41 | 4.48 | 1.49 | .92 | -2.37 | 39.81 | -.54 |
| WASH NATL WSCMO AP | 3.74 | -.14 | 2.39 | -2.01 | 1.85 | -1.37 | 1.75 | -1.15 | 5.33 | 2.51 | 1.30 | -1.88 | 31.74 | -7.26 |
| WINCHESTER "WINC" | 2.43 | | | | 1.74 | | 1.07 | | 2.83 | | 1.13 | | | |
| WINCHESTER 3 ESE | 2.02 | -1.99 | 5.68 | 1.94 | 1.96 | -1.19 | .24 | -2.73 | 2.99 | .26 | .99 | -1.64 | | |
| WOODSTOCK 2 NE | 3.05 | -.56 | 3.61 | .14 | 2.48 | -.74 | .78 | -2.14 | 2.44 | .14 | .95 | -1.39 | 27.63 | -7.09 |
| --DIVISIONAL DATA-----> | 4.45 | .65 | 3.76 | -.41 | 2.29 | -1.21 | 1.30 | -2.06 | 4.02 | .92 | 1.06 | -1.94 | 34.30 | -6.24 |
| CENTRAL MOUNTAIN 05 | | | | | | | | | | | | | | |
| BUENA VISTA | 2.82 | -.91 | 3.56 | .32 | 2.98 | -.06 | .75 | -2.97 | | | | | | |
| COVINGTON | 7.46 | 3.91 | 3.60 | .04 | 3.47 | .71 | 1.25 | -1.65 | 3.15 | .97 | 1.42 | -.99 | 30.79 | -4.14 |
| COVINGTON FILT PLANT | 7.41 | | 3.66 | | | | 1.09 | | 4.10 | | 1.67 | | | |
| CRAIGSVILLE 2 S | 7.86 | | 4.10 | | 3.45 | | 1.39 | | 5.07 | | 2.55 | | 34.77 | |
| DALE ENTERPRISE | 2.58 | -1.10 | 2.90 | -1.00 | 3.31 | .08 | .76 | -2.10 | 3.39 | .98 | 1.02 | -1.18 | 26.07 | -8.34 |
| EARLEHURST | 4.27 | | 3.03 | | 3.86 | | 2.14 | | 3.57 | | 1.85 | | 29.91 | |
| GATHRIGHT DAM | 6.09 | | 3.31 | | 3.60 | | 1.55 | | 3.20 | | 1.75 | | 31.14 | |
| GLASGOW 1 SE | 5.39 | | 4.66 | | 2.52 | | 1.09 | | 4.73 | | 1.64 | | 37.44 | |
| GOSHEN | 8.49 | 4.69 | 6.13 | 2.66 | 3.24 | -.21 | 1.39 | -2.09 | 4.54 | 1.55 | 1.59 | -1.21 | 37.51 | |
| HOT SPRINGS | 5.34 | 1.19 | 3.26 | -.56 | 3.42 | -.09 | 1.85 | -1.68 | 4.33 | 1.51 | 2.26 | | 31.46 | |
| KERRS CREEK 6 NNW | 5.55 | | 4.33 | | 3.93 | | 1.39 | | 4.64 | | 1.32 | | 33.77 | |
| LEXINGTON | 5.04 | 1.38 | 4.44 | 1.35 | 3.41 | .13 | 1.23 | -2.02 | 3.68 | 1.01 | 1.44 | -1.48 | 32.66 | -5.20 |
| MC DOWELL 3 W | 2.96 | | 3.72 | | 4.11 | | 1.19 | | 1.76 | | 1.25 | | 25.81 | |
| MILLGAP 2 NNW | 4.30 | | 3.78 | | 4.62 | | 1.38 | | 3.86 | | 1.60 | | 32.87 | |
| MONTEREY | 3.06 | -.69 | 3.49 | .17 | 3.46 | .10 | 1.12 | -2.27 | 4.35 | 1.67 | 1.23 | -1.97 | 31.20 | -9.21 |
| MOUNTAIN GROVE | 3.16 | | 1.89 | | 4.34 | | 1.56 | | 3.71 | | 1.36 | | 25.59 | |
| ROANOKE WSO AP | 3.75 | .30 | 4.30 | .39 | 3.01 | -.13 | 1.26 | -2.22 | 2.42 | -.17 | 1.28 | -1.65 | 29.66 | -9.49 |
| STAUNTON SEWAGE PLANT | 6.54 | 3.03 | 5.38 | 1.98 | 1.81 | -1.74 | .89 | -2.37 | 3.65 | 1.09 | 1.44 | -1.11 | 33.16 | -2.76 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JAN | | FEB | | MAR | | APR | | MAY | | JUN | |
|-------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| TIMBERVILLE 3 E | 1.80 | -.49 | .92 | -1.17 | 1.26 | -1.73 | 1.30 | -1.26 | 6.27 | 3.04 | 1.36 | -2.06 |
| WEST AUGUSTA | M 4.25 | | 1.00 | | M 4.25 | | 3.55 | | 4.25 | | .55 | |
| --DIVISIONAL DATA-----> | 2.10 | -.62 | 1.14 | -1.64 | 1.22 | -2.40 | 2.13 | -.90 | 4.26 | .67 | 1.86 | -1.65 |
| SOUTHWESTERN | | | | | | | | | | | | |
| MOUNTAIN 06 | | | | | | | | | | | | |
| ABINGDON 3 S | 2.82 | | 3.16 | | 1.91 | | 4.51 | | 3.12 | | 1.28 | |
| ALLISONIA 2 S | 1.74 | -1.03 | 1.51 | -1.12 | .88 | -2.75 | 2.55 | -.65 | 2.34 | -1.45 | 3.38 | .14 |
| BLACKSBURG 3 SE | 1.98 | -.97 | 1.53 | -1.41 | M 1.33 | | 3.79 | | 1.68 | -1.94 | 3.21 | -.40 |
| BLAND | 2.30 | -.72 | 1.25 | -1.67 | .94 | -2.95 | M 3.07 | -.11 | 3.82 | -.23 | 1.11 | -2.36 |
| BURKES GARDEN | 2.55 | -.95 | 1.74 | -1.53 | 1.46 | -2.64 | 2.90 | -.78 | 3.29 | -.72 | 2.00 | -1.95 |
| BYLLESBY 3 W | 2.39 | | 1.59 | | .86 | | 2.94 | | 3.07 | | 2.02 | |
| COPPER HILL 1 NNE | 1.98 | -.99 | 1.19 | -1.96 | 1.17 | -2.83 | 3.72 | -.14 | 3.08 | -.98 | 4.57 | .42 |
| FLOYD 2 NE | M 1.64 | | 1.34 | -2.00 | .66 | -3.28 | M 2.73 | | 1.37 | -2.14 | 2.42 | -1.32 |
| GALAX RADIO WBOB | M 1.47 | | 1.96 | -1.14 | .75 | -3.17 | 3.74 | .31 | 2.89 | -1.04 | 2.55 | -1.47 |
| GLEN LYN | 1.50 | -1.16 | 1.49 | -1.16 | 1.11 | -2.38 | 2.26 | -.89 | 2.13 | -1.39 | 1.90 | -1.26 |
| GRUNDY | 1.53 | | 1.12 | | 1.16 | | 2.88 | | 2.37 | | 1.71 | |
| HILLSVILLE | 2.17 | -.69 | 1.37 | -1.72 | .72 | -3.43 | 2.93 | -.61 | 3.21 | -.99 | 2.85 | -1.17 |
| INDEPENDENCE 2 | 2.04 | | 1.50 | | .88 | | M 2.95 | | 3.40 | | 1.67 | |
| JOHN W FLANNAGAN LAKE | M 1.77 | | 1.66 | | .85 | | 2.95 | | 2.65 | M | 2.81 | -.54 |
| LAFAYETTE 1 NE | 1.67 | -1.34 | 1.13 | -1.56 | 1.02 | -2.30 | 3.68 | .62 | 2.13 | -1.30 | 2.81 | -.54 |
| MARION EVAP STATION | 2.54 | | 2.88 | | M 1.99 | | M 5.07 | | 3.94 | | 1.45 | |
| MT LAKE BIOLOGICAL STA | M 1.31 | | M 3.14 | | M 1.99 | | M 5.07 | | 3.94 | | 1.45 | |
| NEWPORT 2 NNW | 1.95 | | 1.01 | -1.56 | .80 | -2.56 | 3.95 | .96 | 2.30 | -1.20 | 2.47 | -.93 |
| NORTH FORK LAKE | 2.07 | | 1.55 | | 1.26 | | 3.78 | | 3.37 | | 1.51 | |
| PENNINGTON GAP | 1.79 | -3.09 | 2.40 | -2.00 | 1.50 | -4.25 | 4.34 | -.01 | 4.17 | -.22 | 1.58 | -2.59 |
| PULASKI | 1.98 | | 1.18 | | .94 | | 2.08 | | 2.38 | | 2.34 | |
| RADFORD | 1.52 | -1.21 | 1.44 | -1.17 | M 1.14 | | 2.76 | -.42 | 2.76 | -.34 | 2.87 | -.30 |
| STAFFORDSVILLE 3 ENE | 1.11 | -1.63 | 1.07 | -1.63 | 1.14 | -2.47 | 2.94 | -.42 | 2.00 | -1.43 | 2.58 | -.72 |
| TROUT DALE 3 SSE | 2.18 | -1.93 | 1.89 | -2.26 | 1.14 | -4.11 | 3.12 | -1.46 | 1.97 | -2.70 | 1.81 | -2.78 |
| WILLIS | 2.23 | | 1.20 | | .78 | | 3.61 | | 2.88 | | 2.96 | |
| WISE 1 SE | 2.66 | | 2.29 | | 2.38 | | 3.06 | | 2.67 | | 2.32 | |
| WYTHEVILLE 1 S | 2.11 | -.52 | 1.55 | -1.18 | .85 | -2.61 | 2.47 | -.64 | 2.89 | -.69 | 1.84 | -1.27 |
| --DIVISIONAL DATA-----> | 2.11 | -1.25 | 1.85 | -1.48 | 1.28 | -2.95 | 3.21 | -.50 | 2.73 | -1.22 | 2.06 | -1.72 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1988

| STATION | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANNUAL | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE | PRECIP. | DEPARTURE |
| TIMBERVILLE 3 E | 1.46 | -2.16 | 2.78 | -1.24 | 2.15 | -1.35 | .78 | -2.02 | 2.67 | .26 | .84 | -1.55 | 23.59 | -11.73 |
| WEST AUGUSTA | M | | 2.50 | | M | .50 | 1.65 | | M | | M | | | |
| --DIVISIONAL DATA-----> | 4.59 | .82 | 3.72 | -.08 | 3.02 | -.43 | 1.17 | -2.28 | 3.53 | .83 | 1.33 | -1.49 | 30.07 | -9.17 |
| SOUTHWESTERN MOUNTAIN 06 | | | | | | | | | | | | | | |
| ABINGDON 3 S | 5.03 | | 3.04 | | 3.93 | | 2.62 | | 3.64 | | 2.22 | | 37.28 | |
| ALLISONIA 2 S | 4.55 | .97 | 3.51 | .33 | 2.98 | -.16 | 1.98 | -1.06 | 2.63 | .30 | 1.06 | -1.56 | 29.11 | -8.04 |
| BLACKSBURG 3 SE | 5.39 | 1.74 | 5.57 | 2.04 | 4.14 | .66 | 1.56 | -1.58 | 2.03 | -.65 | 1.60 | -1.32 | M | 33.81 |
| BLAND | 2.39 | -1.40 | 4.49 | .98 | 3.04 | .02 | 2.43 | -.29 | 2.35 | -.18 | 1.85 | -.94 | 29.04 | -9.39 |
| BURKES GARDEN | 2.88 | -1.83 | 4.29 | .58 | 3.88 | .40 | 3.06 | .15 | 3.31 | .24 | 2.52 | -.76 | 33.88 | -9.79 |
| BYLLESBY 3 W | 4.58 | | 2.57 | | 3.26 | | 1.27 | | 2.56 | | 1.30 | | 28.41 | |
| COPPER HILL 1 NNE | 7.88 | 4.18 | 6.49 | 2.63 | 2.93 | -1.64 | 1.21 | -3.25 | 5.39 | 2.19 | .97 | -1.86 | 40.58 | -4.23 |
| FLOYD 2 NE | 4.49 | .76 | 5.09 | 1.84 | 2.58 | -1.61 | 1.19 | -2.51 | 4.09 | 1.04 | M | | M | 27.70 |
| GALAX RADIO WBOB | 5.21 | 1.13 | 3.09 | -.48 | 2.63 | -1.26 | 1.26 | -2.48 | 5.17 | 2.23 | M | | M | 31.65 |
| GLEN LYN | 3.80 | -.17 | 1.80 | -1.45 | 4.39 | 1.44 | 2.25 | -.34 | 2.65 | .20 | 1.31 | -1.30 | 26.59 | -9.86 |
| GRUNDY | 3.06 | | 2.30 | | 5.85 | | 1.95 | | 3.42 | | 2.15 | | 29.50 | |
| HILLSVILLE | 4.28 | .14 | 3.14 | -.49 | 3.43 | -.40 | 1.20 | -2.37 | 4.23 | 1.40 | .96 | -2.03 | 30.49 | -12.36 |
| INDEPENDENCE 2 | 2.65 | | 1.51 | | 3.15 | | 1.44 | | 3.06 | | M | | | |
| JOHN W FLANNAGAN LAKE | 1.75 | | 4.31 | | 5.60 | | 1.81 | | 3.83 | | 2.42 | | | |
| LAFAYETTE 1 NE | 3.27 | -.54 | 2.51 | -.91 | 2.96 | -.26 | .84 | -2.38 | 2.62 | .00 | 1.39 | -1.38 | 26.03 | -11.89 |
| MARION EVAP STATION | M | | 1.50 | | M | | 2.37 | | M | | 2.23 | | | |
| MT LAKE BIOLOGICAL STA | 4.01 | | 3.50 | | 6.13 | | 2.43 | | 2.87 | | M | | M | |
| NEWPORT 2 NNW | 5.90 | 2.68 | 3.40 | .33 | 4.30 | .88 | 1.80 | -1.44 | 2.15 | -.41 | M | | M | 30.03 |
| NORTH FORK LAKE | 3.59 | | 2.65 | | 4.69 | | 2.66 | | 4.28 | | 2.48 | | 33.89 | |
| PENNINGTON GAP | 6.21 | 1.14 | 4.28 | .52 | 7.13 | 3.66 | 1.53 | -1.43 | 5.15 | 1.26 | 2.87 | -1.79 | 42.95 | -8.80 |
| PULASKI | 3.19 | | 3.56 | | 3.58 | | 2.30 | | M | | 1.69 | | | |
| RADFORD | 3.11 | -.73 | 4.12 | .85 | 2.20 | -.74 | 1.03 | -2.00 | 2.22 | -.25 | 1.47 | -1.17 | | |
| STAFFORDSVILLE 3 ENE | 2.58 | -1.19 | 2.95 | -.58 | 3.76 | .48 | 1.62 | -1.15 | 1.34 | -1.14 | 1.49 | -1.19 | 24.58 | -13.07 |
| TROUT DALE 3 SSE | 3.44 | -1.25 | 3.69 | -.37 | 3.15 | -.68 | 2.13 | -1.72 | 2.96 | -.57 | 1.47 | -2.26 | 28.95 | -22.09 |
| WILLIS | 5.39 | | 4.17 | | 3.55 | | 1.66 | | 4.21 | | 1.28 | | 33.92 | |
| WISE 1 SE | 4.97 | | 2.27 | | 4.56 | | 1.88 | | 4.77 | | 3.25 | | 37.08 | |
| WYTHEVILLE 1 S | 3.84 | -.65 | 3.08 | -.28 | 3.62 | .56 | 1.90 | -1.05 | 2.05 | -.33 | 1.17 | -1.43 | 27.37 | -10.09 |
| --DIVISIONAL DATA-----> | 4.24 | -.15 | 3.42 | -.23 | 4.32 | .88 | 1.97 | -1.10 | 3.50 | .51 | 2.01 | -1.27 | 32.70 | -10.48 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA
1988

| 1988 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--|
| STATION | | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANNUAL | | |
| | | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | |
| VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIDEWATER 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BACK BAY WL REF | | M37.3 | | 44.2 | | 50.4 | | 57.7 | | M65.4 | | 74.1 | | 79.5 | | 79.6 | | 72.0 | | M | | M54.4 | | M | | M | | |
| COLONIAL BEACH | | 33.2 | | 40.5 | | 48.9 | | 56.0 | | 67.0 | | 75.4 | | 80.6 | | 79.8 | | 70.8 | | 55.9 | | M49.4 | | 40.5 | | M | | |
| EMPORIA 1 WNW | | 31.1 | | 38.6 | | 47.7 | | 55.4 | | 64.3 | | 71.3 | | 77.5 | | 78.1 | | 66.8 | | 52.1 | | 47.7 | | 37.7 | | M | | |
| FREDERICKSBURG NATL PK | | 28.9 | -5.8 | 38.0 | 1.6 | 46.6 | 1.2 | 53.5 | -2.4 | 64.2 | -1.8 | 71.8 | -1.0 | 78.4 | 1.3 | 77.6 | 1.9 | 65.1 | -4.1 | 50.2 | -7.4 | 45.0 | -2.1 | 35.2 | -2.7 | 54.5 | -1.7 | |
| HOLLAND 1 E | | M33.6 | -5.0 | 41.4 | 1.1 | 48.7 | 1.5 | 56.3 | -1.9 | 65.5 | -1.8 | 72.4 | -1.1 | 78.3 | 1.8 | 79.2 | 2.6 | 68.9 | -2.0 | 54.7 | -5.0 | 51.6 | 1.0 | 40.6 | -1.0 | M57.6 | -1.9 | |
| HOPEWELL | | 34.0 | -5.7 | 41.9 | 0 | 49.6 | -3.3 | 57.5 | -2.7 | 65.5 | -2.6 | 73.0 | -2.1 | 78.7 | -3.3 | 79.2 | 1.0 | 68.5 | -3.7 | 52.9 | -8.2 | 50.0 | -1.6 | 39.6 | -3.1 | 57.5 | -2.4 | |
| KILMARNOCK 1 N | | 29.5 | | 37.5 | | 44.5 | | 51.9 | | 62.1 | | 69.8 | | 80.0 | | 79.1 | | 67.3 | | 52.7 | | 49.3 | | 39.3 | | M | | |
| LANGLEY AFB | | 36.7 | -2.5 | 42.9 | 2.0 | 50.3 | 2.0 | 56.7 | -1.1 | 67.0 | 1.8 | 74.6 | 1.5 | 80.4 | 2.0 | 80.5 | 2.7 | 69.5 | -2.4 | 56.7 | -4.3 | 53.8 | 2.5 | 42.8 | 1.1 | 59.3 | 1.2 | |
| MATHEWS 2 ENE | | 33.7 | | 40.0 | | 47.4 | | 54.8 | | 63.4 | | 71.8 | | 77.7 | | 78.0 | | 68.4 | | 54.6 | | 51.4 | | 41.0 | | M | | |
| NORFOLK WSO AP | | 37.3 | -2.6 | 42.5 | 1.4 | 49.5 | 1.0 | 56.5 | -1.7 | 65.8 | -1.6 | 73.6 | -1.7 | 80.1 | 1.7 | 80.8 | 3.1 | 70.5 | -1.7 | 56.9 | -4.4 | 54.2 | 2.3 | 42.4 | -1.1 | 59.2 | -1.3 | |
| PAINTER 2 W | | M35.0 | -2.7 | 40.8 | 1.7 | 47.3 | 1.9 | 54.6 | -1.4 | 63.6 | -1.0 | 72.7 | 1.2 | 78.8 | 1.8 | 78.7 | 2.7 | 68.7 | -1.4 | 54.9 | -4.5 | 51.9 | 1.9 | 41.2 | -1.1 | M57.4 | -1.2 | |
| STONY CREEK 3 ESE | | 31.0 | | M39.6 | | 47.5 | | M55.5 | | 65.9 | | 72.0 | | 79.1 | | 79.6 | | 67.6 | | 51.6 | | 48.9 | | 38.9 | | M | | |
| SUFFOLK LAKE KILBY | | 35.6 | -3.3 | 41.7 | 1.8 | 49.4 | 1.1 | 57.0 | -1.2 | 66.7 | 1.3 | 72.1 | -1.8 | 78.1 | 1.2 | 79.1 | 1.9 | 69.5 | -1.7 | 54.6 | -5.4 | 52.3 | 1.8 | 40.7 | -1.3 | 58.1 | -1.7 | |
| TANGIER ISLAND | | 34.1 | | 39.8 | | M46.8 | | M | | 65.8 | | 74.3 | | 81.3 | | 81.7 | | 71.4 | | 57.9 | | 52.6 | | 39.1 | | M | | |
| WAKEFIELD 2 | | 31.1 | | 39.8 | | 46.7 | | 54.5 | | 62.8 | | M | | 80.1 | | 78.8 | | M69.5 | | 54.7 | | 51.9 | | 37.7 | | M | | |
| WALKERTON 2 NW | | 32.2 | -4.2 | 40.5 | 1.8 | 48.4 | 1.5 | 57.1 | -1.3 | 65.8 | 0 | 72.4 | -1.8 | 79.4 | 2.1 | 79.4 | 3.2 | 68.7 | -1.9 | 53.2 | -5.0 | 50.4 | 2.1 | 39.1 | -1.2 | 57.2 | -1.1 | |
| WARSAW 2 NW | | 32.7 | -3.8 | 40.0 | 1.4 | 48.8 | 2.2 | 55.6 | -1.4 | 65.6 | 0 | 72.9 | -1.5 | 79.9 | 2.5 | 79.6 | 3.2 | 68.8 | -1.2 | 54.2 | -4.6 | 50.3 | 1.3 | 40.3 | -1.4 | 57.4 | 0 | |
| WEST POINT 2 SW | | 33.3 | | 41.1 | | 49.2 | | 57.6 | | 66.0 | | 73.6 | | 79.9 | | 78.9 | | 68.7 | | 54.4 | | 50.7 | | 40.3 | | M | | |
| WILLIAMSBURG 2 N | | 32.6 | -5.8 | M39.2 | -1.0 | 47.0 | -1.9 | 54.8 | -3.3 | 63.5 | -2.8 | 72.3 | -1.1 | 79.1 | 1.6 | 79.1 | 2.4 | 69.1 | -1.8 | 54.6 | -5.2 | 51.8 | 1.4 | 41.4 | -2.2 | M57.0 | -1.4 | |
| --DIVISIONAL DATA-----> | | 33.3 | -5.0 | 40.5 | 1.6 | 48.1 | 1.6 | 55.7 | -1.8 | 65.0 | -1.9 | 72.8 | -1.8 | 79.3 | 1.5 | 79.3 | 2.3 | 68.9 | -2.3 | 54.3 | -5.9 | 50.9 | 1.4 | 39.9 | -1.8 | 57.3 | -1.0 | |
| EASTERN PIEDMONT 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMELIA 4 SW | | 30.0 | | 37.9 | | 46.4 | | 53.2 | | 63.1 | | 70.7 | | 76.9 | | 77.2 | | 65.0 | | 50.2 | | 46.6 | | 37.0 | | M | | |
| ASHLAND | | M31.2 | | M39.3 | | M48.2 | | 56.0 | | 64.6 | | 72.1 | | 78.8 | | 79.1 | | M67.6 | | 52.5 | | 47.8 | | 37.9 | | M | | |
| BREMO BLUFF | | 25.7 | | 32.1 | | M42.5 | | M51.7 | | 61.0 | | 69.3 | | 74.4 | | 75.2 | | 61.3 | | 46.5 | | M41.8 | | M | | M | | |
| CAMP PICKETT | | 27.8 | | 35.9 | | 43.7 | | 52.1 | | 61.5 | | 67.6 | | 75.7 | | 77.3 | | 66.2 | | 51.4 | | 47.8 | | 37.4 | | M | | |
| CHASE CITY | | M32.4 | | M38.9 | | M48.3 | | 56.7 | | 65.6 | | 71.5 | | 78.3 | | 80.0 | | 68.2 | | 52.5 | | 48.8 | | 38.5 | | M | | |
| CORBIN | | 29.2 | | 37.3 | | 46.4 | | 53.5 | | 63.5 | | 71.2 | | 78.4 | | 77.7 | | 65.6 | | 50.9 | | 46.6 | | 36.2 | | M | | |
| CROZIER | | 30.0 | | 38.1 | | 46.9 | | 54.7 | | 64.3 | | 72.4 | | 79.3 | | M | | M | | M | | 48.3 | | 38.6 | | M | | |
| FARMVILLE 2 N | | M30.4 | -6.6 | 37.8 | -1.4 | 46.3 | -1.2 | 54.0 | -3.9 | 63.7 | -1.8 | 71.1 | -1.5 | 77.6 | 1.0 | 77.8 | 2.3 | 65.3 | -3.5 | 51.0 | -6.7 | 46.3 | -1.7 | 36.9 | -2.5 | M54.9 | -2.3 | |
| JOHN H KERR DAM | | 32.6 | -4.5 | 39.3 | 1.4 | 47.4 | 2.2 | 55.5 | -2.3 | 65.2 | -1.1 | 72.5 | -1.0 | 78.7 | 1.1 | 79.8 | 3.3 | 68.3 | -1.6 | 53.7 | -4.7 | 48.4 | -1.4 | 39.6 | -1.5 | 56.8 | -1.9 | |
| LAWRENCEVILLE 5 W | | 32.6 | -5.9 | M39.6 | -1.8 | 48.4 | 0 | 55.9 | -2.4 | 62.7 | -3.3 | 69.9 | -2.9 | 75.0 | -2.1 | 75.9 | -5.6 | 65.2 | -4.7 | 54.0 | -4.7 | 47.9 | -1.7 | 40.8 | -1.0 | M55.7 | -2.4 | |
| LOUISA | | 29.8 | -5.3 | 38.3 | 1.8 | 46.4 | 3.3 | 54.5 | -1.9 | 63.9 | -1.7 | 70.7 | -1.2 | 77.5 | 1.6 | 77.0 | 2.1 | 66.1 | -2.3 | 51.1 | -6.1 | 46.4 | -1.8 | 37.3 | -1.8 | 54.9 | -1.2 | |
| RICHMOND WSO AP | | R 32.3 | -4.3 | 39.1 | 2.2 | 47.9 | 1.7 | 56.0 | -1.9 | 65.8 | -1.3 | 72.8 | -1.7 | 79.9 | 2.1 | 79.8 | 3.0 | 68.4 | -1.8 | 53.6 | -5.0 | 50.6 | 1.7 | 39.2 | -1.7 | 57.1 | -1.6 | |
| --DIVISIONAL DATA-----> | | 30.3 | -5.8 | 37.8 | -1.5 | 46.6 | 0 | 54.5 | -2.6 | 63.7 | -1.4 | 71.0 | -1.5 | 77.5 | 1.8 | 77.9 | 2.2 | 66.1 | -3.1 | 51.6 | -6.1 | 47.3 | -1.7 | 38.1 | -1.0 | 55.2 | -1.5 | |
| WESTERN PIEDMONT 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPOMATTOX | | 30.3 | | 37.2 | | M47.3 | | 54.3 | | 63.5 | | 71.6 | | 78.3 | | 78.6 | | 66.7 | | 51.1 | | 46.8 | | 37.8 | | M | | |
| BEDFORD | | 29.6 | -7.1 | 35.9 | -3.0 | 44.2 | -3.2 | 53.1 | -4.3 | 59.9 | -5.4 | 69.1 | -2.7 | 73.5 | -2.0 | 74.4 | -1.1 | 62.7 | -5.4 | 48.0 | -9.5 | 43.4 | -4.5 | 37.2 | -2.4 | 52.6 | -4.1 | |
| CHARLOTTE COURT HOUSE 3 W | | 32.1 | -3.2 | 37.8 | 1.5 | 48.3 | 2.4 | 55.8 | -1.7 | 64.3 | -1.4 | 71.8 | -1.1 | 77.3 | 1.2 | 78.4 | 3.2 | 67.2 | -1.6 | 52.7 | -4.5 | 48.9 | 1.5 | M39.5 | 1.2 | M56.2 | 0 | |
| CHARLOTTESVILLE 2 W | | M31.9 | -3.4 | M | | M | | 55.4 | -1.7 | M63.9 | -1.5 | 73.0 | 1.5 | M78.2 | 1.4 | 78.4 | 2.7 | 65.8 | -3.8 | 53.4 | -5.3 | M | | 38.5 | 1.0 | M | | |
| CHATHAM | | 27.7 | -8.1 | 35.4 | -2.3 | 44.3 | -1.5 | 52.2 | -3.6 | 61.5 | -2.9 | 68.4 | -3.0 | 74.4 | -1.2 | 75.6 | 1.0 | 64.6 | -3.7 | 48.4 | -8.5 | 43.0 | -4.3 | 35.4 | -3.2 | 52.6 | -3.4 | |
| DANVILLE-BRIDGE ST | | 31.9 | -5.7 | 39.7 | -1.1 | 48.2 | 2.2 | 56.9 | -1.7 | 66.2 | -1.6 | 74.2 | 1.4 | 79.6 | 1.8 | 81.0 | 3.9 | 69.1 | -1.4 | 53.7 | -5.0 | 47.9 | -1.8 | 39.9 | -1.1 | 57.4 | -1.8 | |
| LYNCHBURG WSO AP | | R 31.5 | -3.6 | 37.8 | 1.4 | 47.6 | 1.9 | 55.6 | -1.8 | 64.1 | -1.4 | 71.4 | -2.2 | 78.2 | 2.5 | 78.4 | 3.6 | 66.7 | -1.7 | 51.4 | -5.7 | 47.5 | 1.5 | 38.1 | -2.2 | 55.7 | -1.3 | |
| MARTINSVILLE FILT PL | | 30.1 | -5.7 | M37.8 | -2.2 | 47.4 | 1.3 | 56.3 | 2 | 63.7 | -1.4 | 71.5 | 1.4 | 76.3 | 1.2 | M76.9 | 2.7 | M | | 50.0 | -6.1 | M46.8 | 1.5 | 37.2 | -1.8 | M | | |
| MONTICELLO | | M29.3 | | M36.7 | | M | | M55.8 | | 63.0 | | M72.8 | | 76.9 | | M76.5 | | M64.3 | | 49.9 | | 45.9 | | M35.7 | | M | | |
| PHILPOT DAM 2 | | 30.6 | | 37.1 | | 45.7 | | 54.3 | | 62.7 | | 70.8 | | 76.1 | | 77.1 | | 65.9 | | 50.9 | | 46.5 | | 38.5 | | M | | |
| ROCKY MOUNT | | 29.4 | | 37.1 | | 46.4 | | 53.9 | | 62.8 | | 71.0 | | 76.1 | | 76.5 | | 65.6 | | 51.2 | | 45.6 | | 38.4 | | M | | |
| SOUTH BOSTON | | M28.8 | | M36.3 | | 44.9 | | 52.2 | | 61.0 | | 69.5 | | 75.4 | | 77.3 | | M64.9 | | 50.5 | | 46.4 | | 38.5 | | M | | |
| STUART 1 SSE | | M29.7 | | M35.9 | | 47.0 | | 55.8 | | 64.4 | | M | | 75.6 | | M | | 65.3 | | 48.4 | | 45.9 | | 34.4 | | M | | |
| TYE RIVER 1 SE | | M30.5 | | M37.4 | | 46.5 | | 56.1 | | 63.5 | | 71.9 | | 78.4 | | M | | 66.2 | | 51.8 | | 46.6 | | 38.2 | | M | | |
| --DIVISIONAL DATA-----> | | 30.2 | -5.6 | 37.1 | -1.7 | 46.5 | 1.4 | 54.8 | -1.7 | 63.2 | -1.5 | 71.3 | -1.4 | 76.7 | 1.0 | 77.5 | 2.7 | 65.8 | -2.6 | 50.8 | -6.4 | 46.2 | -1.2 | 37.7 | -1.9 | 54.8 | -1.3 | |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA
1988

| STATION | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANNUAL | |
|--------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE | TEMPERATURE | DEPARTURE |
| NORTHERN 04 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BERRYVILLE | M 20.7 | -6.4 | M 25.7 | -2.6 | 35.2 | -5 | 42.5 | -4.4 | 52.7 | -2.9 | 60.2 | -2.4 | 65.9 | -1.5 | M 66.7 | 1.4 | 54.5 | -5.0 | 40.5 | -8.6 | M | | 27.1 | -3.1 | M | |
| BIG MEADOWS | 30.3 | -3.0 | 36.8 | 1.0 | M 46.1 | 1.7 | 54.6 | -6 | 65.3 | 1.1 | 73.9 | 1.6 | 80.6 | 4.3 | 77.8 | 2.5 | 67.2 | -1.5 | 52.9 | -4.5 | 48.4 | 1.8 | 36.9 | -1.1 | M 55.9 | -4 |
| LINCOLN | 26.3 | -5.7 | 33.4 | -8 | 44.7 | 2.0 | 52.8 | -6 | 61.7 | -3 | 68.4 | -8 | 77.2 | 4.1 | M 76.3 | 4.2 | M 63.5 | -2.3 | 50.6 | -3.9 | 46.8 | 2.2 | 33.7 | -1.6 | M 53.0 | -3 |
| LURAY 5 E | M 24.9 | -3.8 | 30.8 | -3 | 40.9 | 1.8 | 48.8 | -1.7 | 60.0 | -0 | 67.4 | -7 | 76.2 | 4.1 | 74.6 | 3.4 | 62.4 | -2.2 | 48.2 | -5.4 | 43.6 | -6 | 32.4 | -4 | M 50.9 | -3 |
| MOUNT WEATHER | 28.7 | -5.0 | 36.9 | 1.2 | 46.3 | 1.9 | 54.0 | -1.3 | 63.9 | -1.1 | 71.8 | -1.1 | 77.6 | 1.5 | 77.7 | 2.8 | 65.8 | -2.7 | 52.1 | -4.8 | 47.2 | -6 | 36.3 | -6 | 54.9 | -6 |
| PIEDMONT RESEARCH STN | 25.7 | | 34.4 | | 43.3 | | 51.8 | | 62.4 | | 69.6 | | 76.7 | | 76.3 | | M 64.0 | | 49.9 | | 45.4 | | 34.6 | | M 52.8 | |
| STERLING (RCS) | 28.5 | -3.8 | 35.8 | 1.7 | 44.4 | 1.5 | 52.8 | -1.2 | 63.5 | -7 | 71.9 | 1.2 | 78.6 | 3.4 | 78.2 | 4.0 | 66.0 | -2.0 | 52.2 | -4.4 | 47.0 | -8 | 36.2 | -2 | 54.6 | -2 |
| WARRENTON 3 SE | 27.6 | -3.8 | 34.5 | -9 | 43.9 | 1.5 | 52.2 | -1.1 | 63.5 | 1.1 | 70.9 | -2 | 78.7 | 3.2 | 78.4 | 4.1 | 66.4 | -1.0 | 49.2 | -6.1 | 46.0 | 1.2 | 35.8 | -7 | 53.9 | -1 |
| WASH DULLES WSO AP | R 31.0 | -4.2 | 37.3 | -2 | 47.2 | 1.4 | 54.4 | -2.3 | 65.8 | -2 | 74.4 | -1 | 81.9 | 3.0 | 80.7 | 3.1 | 68.9 | -2.2 | 54.4 | -4.9 | 49.9 | 1.2 | 38.7 | -2 | 57.1 | -5 |
| WASH NATL WSCMO AP | 25.9 | | 33.1 | | 42.4 | | 51.5 | | 61.7 | | 70.1 | | 78.2 | | M | | 63.5 | | 50.0 | | 45.2 | | 35.4 | | M | |
| WINCHESTER "WINC" | 24.8 | -7.4 | 32.5 | -2.0 | 40.6 | -2.8 | 49.9 | -4.5 | 60.4 | -3.1 | M | | 76.4 | 1.3 | 75.4 | 1.4 | 62.6 | -4.9 | 48.7 | -7.3 | M | | 35.4 | | M | |
| WINCHESTER 3 ESE | 29.2 | -3.9 | 35.9 | -5 | 44.9 | -9 | 53.5 | -1.0 | 63.3 | -1 | 70.1 | -6 | 76.9 | 2.2 | 77.0 | 3.3 | 65.1 | -2.1 | 49.6 | -6.4 | 47.0 | 1.2 | 35.8 | -8 | 54.0 | -6 |
| WOODSTOCK 2 NE | 27.0 | -5.4 | 33.9 | -6 | 43.3 | -2 | 51.6 | -2.5 | 62.0 | -9 | 69.9 | -8 | 77.1 | 2.2 | 76.3 | 2.5 | 64.2 | -3.2 | 49.9 | -5.9 | 46.7 | 1.2 | 34.8 | -1.0 | 53.1 | -1.1 |
| --DIVISIONAL DATA-----> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CENTRAL MOUNTAIN 05 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COVINGTON FILT PLANT | 30.8 | | 38.0 | | 46.9 | | 55.3 | | 63.9 | | 71.6 | | 76.9 | | 76.6 | | M | | 51.2 | | 47.5 | | 38.0 | | M | |
| DALE ENTERPRISE | 28.3 | -3.5 | 35.0 | -8 | 44.6 | 1.8 | 52.1 | -9 | 61.7 | -2 | 69.2 | -2 | 75.9 | 2.6 | 76.3 | 4.2 | 64.8 | -9 | 49.3 | -5.0 | 45.5 | 1.4 | 35.9 | -6 | 53.2 | -1 |
| GATHRIGHT DAM | 25.5 | | 31.6 | | 42.6 | | 50.5 | | 60.1 | | 67.6 | | 72.9 | | 73.3 | | 62.0 | | 46.7 | | 42.6 | | 32.3 | | 50.6 | |
| HOT SPRINGS | 24.6 | -6.2 | 31.1 | -1.7 | 40.7 | -1 | 49.3 | -2.2 | M 58.4 | -1.7 | 66.3 | -7 | 72.1 | 1.4 | 73.1 | 3.2 | 61.3 | -2.3 | 45.8 | -7.0 | 41.1 | -1.4 | 32.6 | -1.3 | M 49.7 | -1.7 |
| LEXINGTON | 29.3 | -5.3 | 36.6 | -5 | 46.3 | -6 | 55.2 | -7 | 63.0 | -1.2 | 70.1 | -1.0 | 75.5 | -6 | 75.8 | 1.8 | 65.4 | -2.2 | 49.7 | -6.6 | 45.4 | -6 | 37.5 | -1 | 54.2 | -1.3 |
| MONTEREY | 25.3 | | 30.8 | | 41.1 | | 49.8 | | 58.4 | | 65.4 | | 70.0 | | 71.0 | | 60.8 | | 44.8 | | 42.3 | | 31.9 | | 49.3 | |
| ROANOKE WSO AP | R 30.8 | -4.7 | 37.9 | -0 | 47.5 | 1.4 | 55.4 | -9 | 63.4 | -1.3 | 70.9 | -7 | 77.1 | 1.4 | 77.5 | 2.8 | 66.0 | -2.2 | 51.2 | -5.6 | 46.7 | -2 | 38.9 | -6 | 55.3 | -8 |
| STAUNTON SEWAGE PLANT | 26.3 | -6.1 | 33.7 | -3 | 42.9 | -4 | 49.8 | -3.3 | 59.4 | -2.4 | 66.6 | -2.7 | 74.0 | -6 | 73.5 | 1.4 | 61.4 | -4.1 | 46.5 | -7.9 | 42.9 | -1.6 | 33.4 | -2.2 | 50.9 | -2.4 |
| TIMBERVILLE 3 E | 28.5 | -3.4 | 35.9 | 1.9 | 44.9 | 2.1 | 52.8 | -4 | 62.9 | -5 | 70.2 | -3 | 76.7 | 2.9 | 77.1 | 4.4 | 65.4 | -9 | 49.5 | -5.4 | M 46.4 | 1.9 | 35.2 | -3 | M 53.8 | -3 |
| --DIVISIONAL DATA-----> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTHWESTERN MOUNTAIN 06 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABINGDON 3 S | M 30.9 | | 37.1 | | 47.3 | | M 53.6 | | 60.5 | | 68.3 | | 73.7 | | 74.2 | | 63.9 | | 45.8 | | M | | 34.4 | | M | |
| BLACKSBURG 3 SE | 26.3 | -4.6 | 32.6 | -3 | 43.7 | 2.6 | 51.2 | -1 | 59.4 | -6 | 67.3 | -5 | 71.8 | -8 | 71.8 | 1.7 | 60.9 | -2.9 | 45.2 | -7.3 | 42.7 | -1 | 33.8 | -2 | 50.6 | -9 |
| BURKES GARDEN | 23.9 | -6.1 | 30.1 | -2.0 | M 39.6 | -4 | 47.7 | -1.8 | 54.0 | -3.4 | 62.0 | -1.7 | 67.7 | -4 | 68.6 | 2.3 | 58.7 | -2.0 | 42.1 | -8.0 | 39.4 | -1.2 | 31.3 | -1.9 | M 47.1 | -2.2 |
| FLOYD 2 NE | 26.9 | -5.8 | 33.6 | -1.1 | 43.2 | -9 | 50.6 | -1.5 | 57.5 | -2.6 | 64.8 | -1.7 | 69.7 | -5 | 71.0 | 1.5 | 62.4 | -1.0 | 46.2 | -6.6 | 42.7 | -3 | 34.1 | -1.3 | 50.2 | -1.7 |
| GALAX RADIO WBOB | 27.6 | | 33.5 | | 43.5 | | 52.7 | | 59.1 | | 67.3 | | 72.4 | | 72.8 | | 63.3 | | 46.7 | | 42.6 | | 34.5 | | 51.3 | |
| GRUNDY | M 30.6 | | 35.6 | | 46.3 | | 53.4 | | 61.5 | | M 69.9 | | 76.2 | | 75.0 | | 66.1 | | 49.1 | | 46.5 | | 36.6 | | M 53.9 | |
| MARION EVAP STATION | 26.1 | | 32.3 | | | | | | 65.1 | | 71.0 | | | | 71.0 | | | | 44.6 | | M | | 31.1 | | M | |
| MT LAKE BIOLOGICAL STA | 22.9 | | 28.1 | | M 39.2 | | 47.4 | | 54.5 | | 62.9 | | 66.0 | | 66.5 | | M 55.7 | | 38.7 | | 38.6 | | M 27.3 | | M 45.7 | |
| PENNINGTON GAP | M 32.2 | -1.5 | M 37.4 | -9 | 47.7 | 2.7 | M 55.7 | -9 | 62.0 | -9 | 71.0 | 1.5 | 75.3 | 2.1 | 76.2 | 3.8 | 68.3 | 1.3 | 49.9 | -5.5 | 48.3 | 3.6 | 38.1 | 1.3 | M 55.2 | -9 |
| PULASKI | 26.3 | | 32.2 | | M 43.2 | | 51.0 | | 58.4 | | 66.2 | | 72.6 | | 72.5 | | 61.5 | | 45.3 | | 42.0 | | 33.7 | | M 50.4 | |
| STAFFORDSVILLE 3 ENE | 27.4 | | M 36.7 | | 46.6 | | 51.6 | | 60.4 | | 67.5 | | 73.9 | | 74.1 | | 63.9 | | 48.8 | | 45.2 | | 37.8 | | M 52.8 | |
| WISE 1 SE | 30.3 | | 34.9 | | M 45.6 | | 53.1 | | 61.2 | | 68.0 | | 73.1 | | 73.0 | | 65.2 | | 48.0 | | 47.5 | | 35.9 | | M 53.0 | |
| WYTHEVILLE 1 S | 28.7 | -4.1 | 36.2 | 1.0 | 45.2 | 2.2 | M 53.0 | -4 | 59.7 | -1.2 | 67.7 | -4 | 73.0 | 1.9 | 73.8 | 3.5 | 65.1 | -4 | 48.6 | -5.1 | 45.6 | 2.1 | 35.4 | -2 | M 52.7 | -1 |
| --DIVISIONAL DATA-----> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 27.7 | -5.1 | 33.9 | -1.2 | 44.3 | 1.0 | 51.8 | -1.3 | 59.0 | -2.3 | 66.8 | -1.1 | 72.1 | -6 | 72.3 | 1.6 | 62.9 | -2.1 | 46.1 | -7.8 | 43.7 | -0 | 34.2 | -1.6 | 51.2 | -1.5 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA
1988

| 1988 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------|------|--------|-------|------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|------------------------------|--------------|--------------|--------------|--------------|
| STATION | HIGHEST | DATE | LOWEST | DATE | LAST SPRING MINIMUM OF | | | | | | | | | | FIRST FALL MINIMUM OF | | | | | | | | | | NUMBER OF DAYS BETWEEN DATES | | | | |
| | | | | | 16° OR BELOW | | 20° OR BELOW | | 24° OR BELOW | | 28° OR BELOW | | 32° OR BELOW | | 32° OR BELOW | | 28° OR BELOW | | 24° OR BELOW | | 20° OR BELOW | | 16° OR BELOW | | 16° OR BELOW | 20° OR BELOW | 24° OR BELOW | 28° OR BELOW | 32° OR BELOW |
| | | | | | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | | | | | |
| VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIDEWATER 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BACK BAY WL REF | 97 | 7/18 | | | 1/7 | 16 | 2/14 | 19 | 2/14 | 19 | 3/22 | 27 | 3/23 | 32 | MSG | | MSG | | MSG | | MSG | | MSG | | | | | | |
| COLONIAL BEACH | 104 | 7/17 | 8 | 12/13 | 2/14 | 15 | 2/14 | 15 | 3/22 | 21 | 3/22 | 21 | 4/20 | 32 | 10/13 | 31 | 11/25 | 28 | 12/6 | 24 | 12/10 | 20 | 12/12 | 11 | 302 | 300 | 259 | 248 | 176 |
| EMPORIA 1 WNW | 101 | 7/17 | 3 | 1/12 | 2/26 | 16 | 2/26 | 16 | 3/22 | 21 | 4/14 | 28 | 4/20 | 30 | 10/9 | 28 | 10/9 | 28 | 10/14 | 23 | 12/10 | 16 | 12/10 | 16 | 288 | 288 | 206 | 178 | 172 |
| FREDERICKSBURG NATL PK | 104 | 7/17 | 0 | 1/11 | 2/22 | 16 | 3/22 | 17 | 3/22 | 17 | 4/20 | 27 | 4/25 | 32 | 10/6 | 30 | 10/9 | 27 | 10/13 | 23 | 12/2 | 20 | 12/12 | 8 | 294 | 255 | 205 | 172 | 164 |
| HOLLAND 1 E | 98 | 7/17 | 11 | 1/16 | 2/7 | 12 | 2/14 | 19 | 3/22 | 21 | 3/22 | 21 | 4/17 | 32 | 10/9 | 32 | 11/19 | 27 | 12/5 | 22 | 12/12 | 20 | 12/13 | 16 | 310 | 302 | 258 | 242 | 175 |
| HOPEWELL | 102 | 8/18 | 6 | 1/12 | 2/14 | 15 | 3/22 | 18 | 3/22 | 18 | 3/23 | 25 | 4/20 | 30 | 10/8 | 32 | 10/13 | 25 | 10/14 | 24 | 12/5 | 17 | 12/12 | 11 | 302 | 258 | 206 | 204 | 171 |
| KILMARNOCK 1 N | 102 | 8/17 | -3 | 1/15 | 3/18 | 15 | 3/28 | 20 | 4/20 | 24 | 4/25 | 28 | 5/3 | 30 | 10/9 | 30 | 10/14 | 25 | 11/25 | 24 | 12/10 | 19 | 12/13 | 7 | 270 | 257 | 219 | 172 | 159 |
| LANGLEY AFB | 98 | 6/23 | 17 | 1/12 | NONE | | 2/7 | 18 | 2/13 | 24 | 3/22 | 25 | 3/22 | 25 | 11/25 | 32 | 12/11 | 26 | 12/12 | 22 | NONE | | NONE | | | | 303 | 264 | 248 |
| MATHEWS 2 ENE | 95 | 8/17 | 7 | 1/12 | 2/14 | 15 | 3/22 | 20 | 3/22 | 20 | 3/23 | 28 | 4/20 | 32 | 10/13 | 32 | 11/19 | 28 | 12/5 | 23 | 12/12 | 20 | 12/13 | 14 | 303 | 265 | 258 | 241 | 176 |
| NORFOLK WSO AP | 99 | 6/23 | 18 | 12/17 | NONE | | 2/7 | 19 | 2/22 | 22 | 3/22 | 25 | 3/22 | 25 | 11/30 | 32 | 12/4 | 28 | 12/12 | 23 | 12/17 | 18 | NONE | | | 314 | 294 | 257 | 253 |
| PAINTER 2 W | 95 | 7/18 | 12 | 1/16 | 2/7 | 16 | 2/22 | 20 | 3/22 | 21 | 3/22 | 21 | 3/28 | 32 | 11/19 | 31 | 12/6 | 27 | 12/12 | 16 | 12/12 | 16 | 12/12 | 16 | 309 | 294 | 265 | 259 | 236 |
| STONY CREEK 3 ESE | 103 | 8/18 | 4 | 1/12 | 2/14 | 14 | 3/22 | 19 | 3/23 | 24 | 3/23 | 24 | 4/21 | 29 | 10/8 | 32 | 10/9 | 27 | 10/14 | 24 | 12/12 | 14 | 12/12 | 14 | 302 | 265 | 205 | 200 | 170 |
| SUFFOLK LAKE KILBY | 99 | 7/16 | 13 | 1/16 | 2/7 | 16 | 2/14 | 20 | 3/22 | 24 | 3/22 | 24 | 3/23 | 30 | 10/14 | 31 | 12/4 | 28 | 12/11 | 24 | 12/12 | 20 | NONE | | | 302 | 264 | 257 | 205 |
| TANGIER ISLAND | | | 7 | 1/12 | 2/14 | 16 | 3/22 | 20 | 3/22 | 20 | 3/23 | 28 | 3/28 | 32 | 10/9 | 32 | 10/14 | 28 | 12/11 | 19 | 12/11 | 19 | 12/13 | 15 | 303 | 264 | 264 | 205 | 195 |
| WAKEFIELD 2 | | | -4 | 1/12 | 3/22 | 16 | 3/22 | 16 | 3/23 | 24 | 3/28 | 28 | 4/20 | 30 | 10/9 | 31 | 10/13 | 28 | 12/5 | 20 | 12/5 | 20 | 12/12 | 13 | 265 | 258 | 257 | 199 | 172 |
| WALKERTON 2 NW | 101 | 7/17 | 2 | 1/11 | 2/7 | 11 | 3/22 | 19 | 3/22 | 19 | 3/28 | 28 | 4/20 | 30 | 10/9 | 31 | 10/14 | 27 | 12/6 | 24 | 12/10 | 19 | 12/12 | 16 | 309 | 263 | 259 | 200 | 172 |
| WARSAW 2 NW | 101 | 7/17 | 2 | 1/11 | 2/7 | 11 | 3/22 | 19 | 3/22 | 19 | 3/28 | 28 | 4/20 | 30 | 10/9 | 31 | 10/14 | 27 | 12/6 | 24 | 12/10 | 19 | 12/12 | 16 | 309 | 263 | 259 | 200 | 172 |
| WEST POINT 2 SW | 102 | 7/16 | 5 | 1/12 | 2/14 | 15 | 3/22 | 19 | 3/22 | 19 | 3/23 | 26 | 4/20 | 30 | 10/13 | 29 | 10/14 | 28 | 12/5 | 23 | 12/12 | 17 | 12/13 | 10 | 303 | 265 | 258 | 205 | 176 |
| WILLIAMSBURG 2 N | 99 | 7/16 | 5 | 1/16 | 3/22 | 16 | 3/22 | 16 | 3/23 | 23 | 4/20 | 27 | 4/25 | 32 | 10/13 | 30 | 11/25 | 28 | 12/12 | 19 | 12/12 | 19 | 12/13 | 15 | 266 | 265 | 264 | 219 | 171 |
| EASTERN PIEDMONT 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMELIA 4 SW | 99 | 8/18 | 2 | 1/11 | 2/14 | 15 | 3/22 | 18 | 3/23 | 22 | 4/15 | 28 | 4/21 | 32 | 10/6 | 30 | 10/13 | 24 | 10/13 | 24 | 12/10 | 15 | 12/10 | 15 | 300 | 263 | 204 | 181 | 168 |
| ASHLAND | 100 | 8/17 | 1 | 1/11 | 2/26 | 16 | 3/22 | 19 | 3/22 | 19 | 3/28 | 28 | 4/20 | 31 | 10/9 | 30 | 10/14 | 27 | 12/5 | 24 | 12/10 | 19 | 12/12 | 11 | 290 | 263 | 258 | 200 | 172 |
| BREMO BLUFF | 97 | 8/17 | | | 3/23 | 15 | 3/23 | 15 | 3/24 | 24 | 4/17 | 27 | 4/25 | 31 | 10/6 | 31 | 10/9 | 25 | 10/14 | 23 | 11/22 | 19 | MSG | | | 244 | 204 | 175 | 164 |
| CAMP PICKETT | 100 | 8/19 | -5 | 1/12 | 3/23 | 16 | 3/23 | 16 | 4/21 | 23 | 4/25 | 28 | 4/26 | 29 | 10/9 | 30 | 10/13 | 27 | 11/25 | 24 | 12/10 | 18 | 12/12 | 11 | 264 | 262 | 218 | 171 | 166 |
| CHASE CITY | 101 | 8/19 | 8 | 2/13 | 3/17 | 16 | 3/17 | 16 | 3/22 | 21 | 3/22 | 21 | 4/20 | 30 | 10/13 | 29 | 10/14 | 28 | 12/5 | 20 | 12/5 | 20 | 12/12 | 14 | 270 | 263 | 258 | 206 | 176 |
| CORBIN | 103 | 7/17 | 2 | 1/11 | 2/22 | 16 | 3/22 | 17 | 3/22 | 17 | 4/20 | 27 | 4/20 | 27 | 10/6 | 30 | 10/9 | 28 | 10/13 | 24 | 12/10 | 13 | 12/10 | 13 | 292 | 263 | 205 | 172 | 169 |
| CROZIER | | | | | 2/8 | 9 | 3/22 | 19 | 3/23 | 24 | 3/23 | 24 | 4/14 | 32 | MSG | | MSG | | 12/10 | 22 | 12/12 | 15 | 12/12 | 15 | 308 | 265 | 262 | | |
| FARMVILLE 2 N | 99 | 8/18 | 0 | 1/11 | 2/26 | 16 | 3/23 | 20 | 3/23 | 20 | 3/24 | 28 | 4/21 | 29 | 10/6 | 32 | 10/13 | 28 | 11/23 | 24 | 12/10 | 17 | 12/12 | 16 | 290 | 262 | 245 | 203 | 168 |
| JOHN H KERR DAM | 105 | 8/19 | 7 | 1/12 | 2/8 | 12 | 2/27 | 19 | 3/22 | 21 | 3/23 | 25 | 4/21 | 32 | 10/13 | 29 | 10/14 | 28 | 12/5 | 23 | 12/12 | 17 | 12/13 | 12 | 309 | 289 | 258 | 205 | 175 |
| LAWRENCEVILLE 5 W | 99 | 7/17 | 3 | 1/10 | 2/26 | 15 | 3/22 | 19 | 3/22 | 19 | 4/20 | 26 | 4/20 | 26 | 10/10 | 29 | 10/27 | 25 | 11/3 | 24 | 11/19 | 20 | 12/12 | 15 | 290 | 242 | 226 | 190 | 173 |
| LOUISA | 100 | 7/16 | -6 | 1/11 | 3/22 | 13 | 3/22 | 13 | 3/23 | 23 | 4/20 | 27 | 4/26 | 31 | 10/6 | 28 | 10/14 | 26 | 10/13 | 23 | 12/2 | 20 | 12/10 | 15 | 263 | 255 | 204 | 169 | 163 |
| RICHMOND WSO AP | R101 | 6/23 | 4 | 1/12 | 2/7 | 9 | 3/22 | 19 | 3/22 | 19 | 3/22 | 19 | 4/14 | 32 | 10/13 | 32 | 10/14 | 27 | 12/4 | 23 | 12/11 | 20 | 12/12 | 12 | 309 | 264 | 257 | 206 | 182 |
| WESTERN PIEDMONT 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPOMATTOX | 101 | 8/18 | 7 | 1/11 | 2/15 | 16 | 3/23 | 20 | 3/23 | 20 | 3/23 | 20 | 4/14 | 32 | 10/8 | 32 | 10/13 | 28 | 10/29 | 24 | 12/12 | 12 | 12/12 | 12 | 301 | 264 | 220 | 204 | 177 |
| BEDFORD | 97 | 8/18 | -1 | 1/11 | 3/22 | 16 | 3/22 | 16 | 3/23 | 23 | 4/14 | 27 | 4/20 | 29 | 10/7 | 30 | 10/12 | 24 | 10/12 | 24 | 11/12 | 19 | 12/12 | 14 | 265 | 235 | 203 | 181 | 170 |
| CHARLOTTE COURT HOUSE 3 W | 100 | 8/19 | 6 | 1/11 | 2/26 | 16 | 3/22 | 19 | 3/22 | 19 | 3/22 | 19 | 4/17 | 32 | 10/13 | 31 | 10/14 | 27 | 12/10 | 19 | 12/10 | 19 | 12/12 | 14 | 290 | 263 | 263 | 206 | 179 |
| CHARLOTTESVILLE 2 W | 103 | 8/18 | | | MSG | | MSG | | MSG | | MSG | | MSG | | 10/13 | 31 | MSG | | MSG | | MSG | | MSG | | | | | | |
| CHATHAM | 99 | 8/1 | -6 | 1/12 | 2/27 | 9 | 3/23 | 20 | 3/23 | 20 | 4/21 | 25 | 4/29 | 31 | 10/6 | 28 | 10/13 | 22 | 10/13 | 22 | 10/14 | 20 | 12/5 | 14 | 282 | 205 | 204 | 168 | 160 |
| DANVILLE-BRIDGE ST | 102 | 8/19 | 5 | 1/11 | 2/8 | 14 | 2/27 | 19 | 2/27 | 19 | 3/23 | 26 | 3/28 | 32 | 10/13 | 31 | 10/14 | 28 | 12/10 | 23 | 12/12 | 18 | 12/13 | 14 | 309 | 289 | 287 | 205 | 199 |
| LYNCHBURG WSO AP | R102 | 8/17 | 6 | 2/7 | 2/14 | 12 | 2/26 | 19 | 3/22 | 21 | 3/22 | 21 | 4/20 | 32 | 10/13 | 29 | 10/14 | 27 | 12/5 | 24 | 12/10 | 20 | 12/12 | 12 | 302 | 288 | 258 | 206 | 176 |
| MARTINSVILLE FILT PL | | | -7 | 1/11 | 3/2 | 14 | 3/22 | 20 | 3/22 | 20 | 4/20 | 28 | 4/20 | 28 | MSG | | MSG | | MSG | | MSG | | MSG | | | | | | |
| MONTICELLO | 99 | 8/17 | | | MSG | | MSG | | MSG | | MSG | | 4/13 | 32 | 10/6 | 31 | 10/26 | 28 | 12/9 | 21 | 12/11 | 8 | 12/11 | 8 | | | | | 176 |
| PHILPOTT DAM 2 | 99 | 8/19 | 9 | 2/8 | 2/22 | 16 | 3/16 | 20 | 3/23 | 21 | 3/24 | 28 | 4/21 | 29 | 10/9 | 32 | 10/13 | 28 | 12/10 | 23 | 12/12 | 12 | 12/12 | 12 | 294 | 271 | 262 | 203 | 171 |
| ROCKY MOUNT | 102 | 7/10 | 0 | 1/12 | 2/14 | 11 | 3/23 | 20 | 3/23 | 20 | 3/24 | 28 | 4/21 | 31 | 10/7 | 31 | 10/13 | 26 | 11/12 | 24 | 12/12 | 11 | 12/12 | 11 | 302 | 264 | 243 | 203 | 169 |
| SOUTH BOSTON | 103 | 8/19 | -3 | 1/12 | 2/27 | 14 | 3/24 | 20 | 4/18 | 23 | 4/21 | 28 | 5/27 | 29 | 10/6 | 31 | 10/7 | 28 | 10/14 | 24 | 12/5 | 20 | 12/12 | 15 | 289 | 256 | 179 | 169 | 132 |
| STUART 1 SSE | | | 5 | 2/6 | 2/13 | 13 | 3/15 | 20 | 3/21 | 23 | 4/19 | 28 | 4/19 | 28 | 10/6 | 32 | 10/12 | 24 | 10/12 | 24 | 12/4 | 20 | 12/12 | 7 | 303 | 264 | 205 | 176 | 170 |
| TYE RIVER 1 SE | 103 | 7/15 | 2 | 1/11 | 2/15 | 15 | 3/23 | 20 | 3/23 | 20 | 3/24 | 28 | 4/14 | 31 | 10/11 | 28 | 10/11 | 28 | 11/12 | 24 | 12/10 | 20 | 12/12 | 7 | 301 | 262 | 234 | 201 | 180 |
| NORTHERN 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BERRYVILLE | | | | | MSG</ | | | | | | | | | | | | | | | | | | | | | | | | |

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA
1988

| STATION | | HIGHEST | DATE | LOWEST | DATE | LAST SPRING MINIMUM OF | | | | | | | | | | FIRST FALL MINIMUM OF | | | | | | | | | | NUMBER OF DAYS BETWEEN DATES | | | | |
|--------------------------|--|---------|------|--------|-------|------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|------------------------------|--------------|--------------|--------------|--------------|
| | | | | | | 16° OR BELOW | | 20° OR BELOW | | 24° OR BELOW | | 28° OR BELOW | | 32° OR BELOW | | 32° OR BELOW | | 28° OR BELOW | | 24° OR BELOW | | 20° OR BELOW | | 16° OR BELOW | | 16° OR BELOW | 20° OR BELOW | 24° OR BELOW | 28° OR BELOW | 32° OR BELOW |
| | | | | | | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | DATE | TEMP. | | | | | |
| PIEDMONT RESEARCH STN | | 100 | 7/17 | 7 | 2/7 | 2/26 | 16 | 2/26 | 16 | 3/22 | 21 | 3/23 | 28 | 4/14 | 30 | 10/13 | 29 | 10/14 | 28 | 12/10 | 19 | 12/10 | 19 | 12/12 | 132 | 90 | 288 | 263 | 205 | 182 |
| STERLING (RCSI) | | 103 | 7/17 | -6 | 1/11 | 3/22 | 12 | 3/22 | 12 | 3/23 | 21 | 4/20 | 28 | 4/26 | 31 | 10/6 | 29 | 10/9 | 26 | 10/14 | 21 | 10/27 | 20 | 12/12 | 82 | 65 | 219 | 205 | 172 | 163 |
| WARRENTON 3 SE | | 104 | 8/18 | 0 | 2/8 | 3/17 | 14 | 3/22 | 20 | 3/22 | 20 | 3/23 | 25 | 4/30 | 32 | 10/14 | 29 | 11/22 | 27 | 12/2 | 24 | 12/10 | 19 | 12/12 | 82 | 70 | 263 | 255 | 244 | 167 |
| WASH DULLES WSO AP | | 104 | 7/16 | -5 | 1/11 | 3/22 | 12 | 3/22 | 12 | 3/23 | 22 | 4/14 | 28 | 4/26 | 32 | 10/6 | 30 | 10/9 | 27 | 10/14 | 23 | 12/10 | 19 | 12/12 | 92 | 65 | 263 | 205 | 178 | 163 |
| WASH NATL WSCMO AP | | R104 | 7/16 | 10 | 1/11 | 2/7 | 11 | 2/14 | 20 | 2/26 | 24 | 3/22 | 25 | 3/23 | 32 | 11/25 | 32 | 12/10 | 26 | 12/11 | 22 | 12/12 | 13 | 12/12 | 133 | 09 | 302 | 289 | 263 | 247 |
| WINCHESTER "WINC" | | | | 3 | 1/12 | 3/22 | 16 | 3/22 | 16 | 3/23 | 22 | 3/23 | 22 | 4/20 | 32 | 10/14 | 27 | 10/14 | 27 | 10/31 | 24 | 12/10 | 20 | 12/12 | 82 | 65 | 263 | 222 | 205 | 177 |
| WINCHESTER 3 ESE | | | | | | 3/23 | 11 | 3/23 | 11 | 3/23 | 11 | 4/22 | 28 | MSG | | 10/6 | 30 | 10/9 | 28 | 10/14 | 21 | 10/31 | 16 | 10/31 | 16 | 22 | 22 | 222 | 205 | 170 |
| WOODSTOCK 2 NE | | 105 | 8/17 | -2 | 1/11 | 3/22 | 14 | 3/22 | 14 | 3/28 | 21 | 4/14 | 28 | 4/26 | 31 | 10/6 | 27 | 10/6 | 27 | 10/13 | 24 | 10/14 | 20 | 12/10 | 10 | 263 | 206 | 199 | 175 | 163 |
| CENTRAL MOUNTAIN 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COVINGTON FILT PLANT | | | | 1 | 12/12 | 2/26 | 15 | 3/16 | 20 | 3/22 | 24 | 4/20 | 27 | 4/26 | 31 | MSG | | MSG | | MSG | | 12/10 | 14 | 12/10 | 14 | 288 | 269 | | | |
| DALE ENTERPRISE | | 102 | 8/17 | -5 | 1/11 | 3/22 | 16 | 3/22 | 16 | 3/22 | 16 | 4/15 | 28 | 5/1 | 32 | 10/6 | 29 | 10/13 | 26 | 10/14 | 23 | 12/10 | 12 | 12/10 | 12 | 263 | 326 | 206 | 181 | 158 |
| GATHRIGHT DAM | | 100 | 8/18 | -2 | 12/13 | 2/27 | 16 | 3/22 | 19 | 3/22 | 19 | 4/25 | 28 | 5/1 | 31 | 10/6 | 29 | 10/8 | 28 | 10/13 | 21 | 10/27 | 20 | 12/10 | 7 | 287 | 219 | 205 | 166 | 158 |
| HOT SPRINGS | | 99 | 8/18 | 0 | 1/7 | 3/16 | 16 | 3/23 | 20 | 3/23 | 20 | 4/30 | 28 | 5/27 | 32 | 10/6 | 28 | 10/6 | 28 | 10/8 | 24 | 10/28 | 20 | 12/10 | 9 | 269 | 219 | 199 | 159 | 132 |
| LEXINGTON | | 99 | 8/18 | -4 | 1/11 | 2/22 | 12 | 3/22 | 18 | 3/22 | 18 | 4/20 | 28 | 4/25 | 32 | 10/6 | 32 | 10/13 | 24 | 10/13 | 24 | 12/10 | 14 | 12/10 | 14 | 292 | 263 | 205 | 176 | 164 |
| MONTEREY | | 94 | 8/17 | -7 | 12/12 | 3/22 | 16 | 3/22 | 16 | 3/22 | 16 | 4/29 | 27 | 5/26 | 32 | 10/6 | 25 | 10/6 | 25 | 10/13 | 24 | 10/14 | 19 | 11/12 | 16 | 235 | 206 | 205 | 160 | 133 |
| ROANOKE WSO AP | | R102 | 8/17 | 4 | 1/11 | 2/14 | 15 | 2/22 | 18 | 3/22 | 22 | 3/22 | 22 | 4/14 | 32 | 10/7 | 32 | 10/14 | 26 | 11/22 | 24 | 12/11 | 17 | 12/12 | 11 | 302 | 293 | 245 | 206 | 176 |
| STAUNTON SEWAGE PLANT | | 100 | 8/18 | -7 | 1/11 | 2/26 | 13 | 3/18 | 19 | 3/28 | 24 | 4/20 | 25 | 5/2 | 29 | 10/6 | 28 | 10/6 | 28 | 10/13 | 21 | 10/14 | 18 | 12/10 | 12 | 288 | 210 | 199 | 169 | 157 |
| TIMBERVILLE 3 E | | 105 | 8/17 | -7 | 1/11 | 3/22 | 14 | 3/22 | 14 | 3/28 | 24 | 4/20 | 25 | 5/1 | 30 | 10/6 | 28 | 10/6 | 28 | 10/13 | 22 | 10/27 | 19 | 12/10 | 4 | 263 | 219 | 199 | 169 | 158 |
| SOUTHWESTERN MOUNTAIN 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABINGDON 3 S | | 100 | 8/17 | | | 3/17 | 15 | 3/17 | 15 | 3/18 | 21 | 4/20 | 25 | 4/25 | 32 | 10/4 | 32 | 10/5 | 27 | 10/12 | 19 | 10/12 | 19 | MSG | | | 209 | 208 | 168 | 162 |
| BLACKSBURG 3 SE | | 97 | 7/9 | -1 | 1/12 | 3/16 | 15 | 3/16 | 15 | 3/22 | 22 | 4/17 | 28 | 4/21 | 32 | 10/6 | 25 | 10/6 | 25 | 10/11 | 24 | 10/27 | 18 | 12/12 | 4 | 271 | 225 | 203 | 172 | 168 |
| BURKES GARDEN | | 93 | 8/18 | -13 | 1/12 | 3/17 | 15 | 3/24 | 20 | 3/24 | 20 | 5/3 | 28 | 6/6 | 32 | 10/6 | 23 | 10/6 | 23 | 10/6 | 23 | 10/13 | 20 | 10/14 | 15 | 211 | 203 | 196 | 156 | 122 |
| FLOYD 2 NE | | 92 | 8/17 | -9 | 1/11 | 3/22 | 16 | 3/22 | 16 | 4/17 | 24 | 5/1 | 28 | 6/5 | 31 | 10/6 | 28 | 10/6 | 28 | 10/8 | 24 | 10/13 | 19 | 12/12 | -4 | 265 | 205 | 174 | 158 | 123 |
| GALAX RADIO WBOB | | 97 | 8/18 | -4 | 1/11 | 3/15 | 15 | 3/16 | 17 | 3/28 | 23 | 4/20 | 26 | 5/2 | 32 | 10/6 | 27 | 10/6 | 27 | 10/13 | 23 | 10/27 | 19 | 12/5 | 16 | 265 | 225 | 199 | 169 | 157 |
| GRUNDY | | 101 | 7/17 | 5 | 1/7 | 2/27 | 15 | 2/28 | 17 | 3/18 | 22 | 4/20 | 28 | 4/30 | 30 | 10/7 | 32 | 10/13 | 27 | 10/14 | 23 | 12/3 | 20 | 12/10 | 14 | 287 | 279 | 210 | 176 | 160 |
| MARION EVAP STATION | | | | | | MSG | | MSG | | MSG | | MSG | | 6/11 | 31 | MSG | | MSG | | MSG | | MSG | | MSG | | | | | | |
| MT LAKE BIOLOGICAL STA | | 88 | 8/17 | -10 | 12/12 | 3/16 | 12 | 3/22 | 18 | 3/23 | 24 | 4/29 | 28 | 6/10 | 32 | 10/5 | 27 | 10/5 | 27 | 10/6 | 24 | 10/12 | 17 | 10/14 | 16 | 212 | 204 | 197 | 159 | 117 |
| PENNINGTON GAP | | 98 | 8/18 | -3 | 1/11 | 3/17 | 15 | 3/17 | 15 | 3/17 | 15 | 4/29 | 28 | 4/30 | 32 | 10/6 | 29 | 10/8 | 28 | 10/14 | 22 | 10/27 | 20 | 12/6 | 15 | 264 | 224 | 211 | 162 | 159 |
| PULASKI | | 95 | 8/18 | 0 | 12/11 | 2/22 | 16 | 3/15 | 19 | 3/21 | 21 | 4/19 | 28 | 5/1 | 32 | 10/5 | 29 | 10/6 | 28 | 10/13 | 23 | 11/17 | 20 | 12/9 | 14 | 291 | 247 | 206 | 170 | 157 |
| STAFFORDSVILLE 3 ENE | | 100 | 8/18 | -7 | 1/11 | 2/22 | 12 | 3/15 | 17 | 3/15 | 17 | 3/23 | 26 | 4/29 | 31 | 10/6 | 30 | 10/7 | 28 | 11/3 | 24 | 11/18 | 20 | 12/10 | 11 | 292 | 248 | 233 | 198 | 160 |
| WISE 1 SE | | 94 | 8/18 | -2 | 1/6 | 3/16 | 14 | 3/17 | 18 | 3/19 | 24 | 4/20 | 27 | 4/29 | 32 | 10/6 | 30 | 10/13 | 24 | 10/13 | 24 | 11/29 | 20 | 12/10 | 13 | 269 | 257 | 208 | 176 | 160 |
| WYTHEVILLE 1 S | | 98 | 7/17 | -8 | 1/11 | 3/1 | 16 | 3/16 | 20 | 4/20 | 24 | 4/20 | 24 | 5/3 | 31 | 10/6 | 27 | 10/6 | 27 | 10/13 | 21 | 10/14 | 19 | 12/10 | 9 | 284 | 212 | 176 | 169 | 156 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE=65 DEGREES FAHRENHEIT

VIRGINIA
1988

| STATION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL | SEASONAL NORM |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------------|
| VIRGINIA | | | | | | | | | | | | | | |
| TIDEWATER 01 | | | | | | | | | | | | | | |
| BACK BAY WL REF | B | 0 | 0 | 0 | 19 | B | 97 | 295 | 455 | 455 | 217 | - | B | 0 |
| COLONIAL BEACH | | 0 | 0 | 2 | 6 | | 120 | 340 | 490 | 467 | 183 | 21 | B | 0 |
| EMPORIA 1 WNW | | 0 | 0 | 7 | 7 | | 84 | 237 | 395 | 414 | 97 | 8 | | 0 |
| FREDERICKSBURG NATL PK | | 0 | 0 | 4 | 0 | | 71 | 259 | 424 | 397 | 72 | 6 | | 0 |
| HOLLAND 1 E | B | 0 | 0 | 3 | 9 | | 106 | 260 | 419 | 446 | 138 | 18 | | 0 |
| HOPEWELL | | 0 | 0 | 0 | 16 | | 102 | 279 | 436 | 447 | 134 | 10 | | 0 |
| KILMARNOCK 1 N | | 0 | 0 | 0 | 0 | | 56 | 201 | 476 | 442 | 115 | 11 | | 0 |
| LANGLEY AFB | | 0 | 0 | 1 | 17 | | 131 | 309 | 487 | 490 | 146 | 21 | | 0 |
| MATHEWS 2 ENE | | 0 | 0 | 0 | 4 | | 63 | 239 | 401 | 412 | 127 | 10 | | 0 |
| NORFOLK WSO AP | | 0 | 0 | 1 | 18 | | 118 | 280 | 477 | 498 | 173 | 17 | 10 | 0 |
| PAINTER 2 W | B | 0 | 0 | 0 | 1 | | 72 | 270 | 436 | 430 | 138 | 10 | | 0 |
| STONY CREEK 3 ESE | | 0 | 0 | 4 | 11 | | 119 | 258 | 447 | 460 | 132 | 6 | | 0 |
| SUFFOLK LAKE KILBY | | 0 | 0 | 0 | 16 | | 128 | 241 | 413 | 444 | 148 | 12 | | 0 |
| TANGIER ISLAND | | 0 | 0 | 0 | 0 | | 110 | 297 | 510 | 524 | 199 | 8 | | 0 |
| WAKEFIELD 2 | | 0 | 0 | 3 | 2 | | 63 | - | 474 | 435 | 152 | 2 | | 0 |
| WALKERTON 2 NW | | 0 | 0 | 0 | 16 | | 104 | 259 | 451 | 452 | 140 | 13 | | 0 |
| WARSAW 2 NW | | 0 | 0 | 1 | 6 | | 106 | 276 | 471 | 460 | 145 | 16 | | 0 |
| WEST POINT 2 SW | | 0 | 2 | 2 | 16 | | 109 | 293 | 468 | 441 | 137 | 13 | | 0 |
| WILLIAMSBURG 2 N | 0 | B | 0 | 0 | 5 | | 68 | 253 | 444 | 445 | 150 | 15 | | 0 |
| EASTERN PIEDMONT 02 | | | | | | | | | | | | | | |
| AMELIA 4 SW | | 0 | 0 | 0 | 5 | | 65 | 227 | 383 | 384 | 72 | 6 | | 0 |
| ASHLAND | B | 0 | 0 | 2 | 14 | | 80 | 250 | 437 | 443 | 110 | 10 | | 0 |
| BREMO BLUFF | | 0 | 0 | 0 | 0 | | 38 | 185 | 303 | 326 | 28 | 0 | | 0 |
| CAMP PICKETT | | 0 | 0 | 0 | 2 | | 48 | 149 | 342 | 387 | 86 | 9 | | 0 |
| CHASE CITY | B | 0 | 0 | 6 | 8 | | 88 | 232 | 417 | 473 | 118 | 11 | | 0 |
| CORBIN | | 0 | 0 | 4 | 2 | | 70 | 249 | 428 | 403 | 85 | 8 | | 0 |
| CROZIER | | 0 | 0 | 6 | 12 | | 77 | 272 | 449 | - | - | - | | 0 |
| FARMVILLE 2 N | B | 0 | 0 | 2 | 9 | | 63 | 238 | 401 | 401 | 77 | 4 | | 0 |
| JOHN H KERR DAM | | 0 | 0 | 0 | 3 | | 92 | 263 | 430 | 466 | 130 | 16 | | 0 |
| LAWRENCEVILLE 5 W | | 0 | 0 | 0 | 4 | | 55 | 185 | 323 | 345 | 58 | 8 | | 0 |
| LOUISA | | 0 | 0 | 1 | 4 | | 76 | 220 | 401 | 383 | 90 | 2 | | 0 |
| RICHMOND WSO AP | R | 0 | 0 | 3 | 16 | | 108 | 269 | 466 | 465 | 137 | 12 | | 0 |
| WESTERN PIEDMONT 03 | | | | | | | | | | | | | | |
| APPOMATTOX | | 0 | 0 | B | 1 | | 0 | 55 | 246 | 419 | 94 | 6 | | 0 |
| BEDFORD | | 0 | 0 | 0 | 0 | | 15 | 189 | 277 | 296 | 36 | 0 | | 0 |
| CHARLOTTE COURT HOUSE 3 W | | 0 | 0 | 4 | 9 | | 66 | 249 | 392 | 425 | 105 | 11 | | 0 |
| CHARLOTTESVILLE 2 W | B | 0 | - | - | 7 | B | 62 | 279 | 413 | 422 | 80 | 3 | | 0 |
| CHATHAM | | 0 | 0 | 1 | 0 | | 31 | 172 | 309 | 335 | 66 | 3 | | 0 |
| DANVILLE-BRIDGE ST | | 0 | 0 | 0 | 11 | | 93 | 304 | 459 | 502 | 149 | 13 | | 0 |
| LYNCHBURG WSO AP | R | 0 | 0 | 1 | 7 | | 65 | 234 | 420 | 421 | 94 | 3 | | 0 |
| MARTINSVILLE FILT PL | | 0 | 0 | 0 | 1 | | 57 | 232 | 362 | 382 | - | - | | 0 |
| MONTICELLO | B | 0 | B | 0 | B | 4 | 58 | B | 378 | 363 | B | 52 | 1 | 0 |
| PHILPOTT DAM 2 | | 0 | 0 | 0 | 0 | | 43 | 216 | 353 | 383 | 82 | 2 | | 0 |
| ROCKY MOUNT | | 0 | 0 | 0 | 0 | | 50 | 228 | 352 | 364 | 81 | 6 | | 0 |
| SOUTH BOSTON | B | 0 | B | 0 | 0 | | 24 | 192 | 332 | 387 | B | 70 | 4 | 0 |
| STUART 1 SSE | B | 0 | B | 0 | 3 | | 70 | - | 340 | - | 73 | 0 | | 0 |
| TYE RIVER 1 SE | B | 0 | B | 2 | 6 | | 61 | 242 | 425 | 434 | 91 | 4 | | 0 |
| NORTHERN 04 | | | | | | | | | | | | | | |
| BERRYVILLE | | 0 | - | - | - | | - | - | - | - | - | - | | - |
| BIG MEADOWS | | 0 | 0 | 0 | 0 | | 4 | 42 | 89 | B | 104 | 0 | | 0 |
| LINCOLN | | 0 | 0 | B | 4 | | 100 | 297 | 489 | 407 | 109 | 4 | | 0 |
| LURAY 5 E | | 0 | 0 | 0 | 1 | | 39 | 191 | 399 | B | 358 | 7 | | 0 |
| MOUNT WEATHER | B | 0 | 0 | 0 | 0 | | 35 | 159 | 364 | 310 | 37 | 2 | | 0 |
| PIEDMONT RESEARCH STN | | 0 | 0 | 3 | 1 | | 72 | 257 | 399 | 399 | 79 | 6 | | 0 |
| STERLING (RCS) | | 0 | 0 | 3 | 0 | | 49 | 205 | 382 | 359 | B | 60 | | 0 |
| WARRENTON 3 SE | | 0 | 0 | 2 | 1 | | 68 | 251 | 426 | 417 | 89 | 5 | | 0 |
| WASH DULLES WSO AP | | 0 | 0 | 1 | 2 | | 71 | 231 | 439 | 423 | 96 | 5 | | 0 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE=65 DEGREES FAHRENHEIT

VIRGINIA
1988

| STATION | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL | SEASONAL NORM |
|--------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------------------|
| WASH NATL WSCMO AP | R | 0 | 0 | 1 | 4 | 101 | 313 | 534 | 490 | 144 | 11 | 0 | 0 | 1598 | 1430 |
| WINCHESTER "WINC" | | 0 | 0 | 0 | 0 | 39 | 214 | 416 | - | 51 | 2 | 0 | 0 | - | - |
| WINCHESTER 3 ESE | | 0 | 0 | 0 | 0 | 32 | - | 373 | 331 | 28 | 0 | - | - | - | 985 |
| WOODSTOCK 2 NE | | 0 | 0 | 0 | 5 | 56 | 203 | 382 | 381 | 69 | 5 | 0 | 0 | 1101 | 936 |
| CENTRAL MOUNTAIN 05 | | | | | | | | | | | | | | | |
| COVINGTON FILT PLANT | | 0 | 0 | 0 | 0 | 67 | 233 | 375 | 365 | - | 5 | 0 | 0 | - | - |
| DALE ENTERPRISE | | 0 | 0 | 0 | 1 | 44 | 191 | 350 | 361 | 68 | 2 | 0 | 0 | 1017 | 773 |
| GATHRIGHT DAM | | 0 | 0 | 0 | 0 | 29 | 154 | 263 | 268 | 19 | 1 | 0 | 0 | 734 | - |
| HOT SPRINGS | | 0 | 0 | 0 | 0 | 9 | 134 | 242 | 262 | 18 | 0 | 0 | 0 | 665 | 535 |
| LEXINGTON | | 0 | 0 | 0 | 3 | 46 | 198 | 338 | 339 | 69 | 0 | 0 | 0 | 993 | 979 |
| MONTEREY | | 0 | 0 | 0 | 0 | 15 | 106 | 189 | 201 | 20 | 0 | 0 | 0 | 531 | - |
| ROANOKE WSO AP | R | 0 | 0 | 0 | 7 | 58 | 232 | 386 | 395 | 90 | 1 | 0 | 0 | 1169 | 1085 |
| STAUNTON SEWAGE PLANT | | 0 | 0 | 0 | 0 | 23 | 143 | 293 | 276 | 17 | 0 | 0 | 0 | 752 | 809 |
| TIMBERVILLE 3 E | | 0 | 0 | 0 | 0 | 55 | 204 | 378 | 383 | 67 | 5 | 0 | 0 | 1092 | 823 |
| SOUTHWESTERN MOUNTAIN 06 | | | | | | | | | | | | | | | |
| ABINGDON 3 S | B | 0 | 0 | 0 | B | 29 | 166 | 283 | 291 | 45 | 2 | - | 0 | - | - |
| BLACKSBURG 3 SE | | 0 | 0 | 0 | 0 | 11 | 149 | 234 | 222 | 17 | 0 | 0 | 0 | 633 | 585 |
| BURKES GARDEN | | 0 | 0 | B | 0 | 0 | 51 | 134 | 134 | 15 | 0 | 0 | 0 | 334 | 252 |
| FLOYD 2 NE | | 0 | 0 | 0 | 0 | 2 | 89 | 180 | 196 | 32 | 0 | 0 | 0 | 499 | 544 |
| GALAX RADIO WBOB | | 0 | 0 | 0 | 0 | 12 | 127 | 248 | 256 | 45 | 0 | 0 | 0 | 688 | - |
| GRUNDY | B | 0 | 0 | 0 | 2 | 36 | 192 | 360 | 320 | 85 | 10 | 0 | 0 | 1005 | - |
| MARION EVAP STATION | | 0 | 0 | - | - | - | 104 | - | 206 | - | 0 | - | 0 | - | - |
| MT LAKE BIOLOGICAL STA | | 0 | 0 | B | 0 | 0 | 47 | 84 | 85 | 0 | 0 | 0 | B | 216 | - |
| PENNINGTON GAP | B | 0 | B | 0 | B | 25 | 228 | 331 | 352 | 125 | 6 | 0 | 0 | 1067 | 830 |
| PULASKI | | 0 | 0 | B | 0 | 9 | 142 | 251 | 250 | 29 | 0 | 0 | 0 | 681 | - |
| STAFFORDSVILLE 3 ENE | | 0 | B | 0 | 0 | 23 | 147 | 291 | 289 | 30 | 0 | 0 | 0 | 780 | - |
| WISE 1 SE | | 0 | 0 | B | 0 | 5 | 22 | 151 | 263 | 63 | 4 | 0 | 0 | 769 | - |
| WYTHEVILLE 1 S | | 0 | 0 | 0 | B | 13 | 142 | 264 | 279 | 64 | 1 | 0 | 0 | 763 | 576 |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA
1988

| STATION | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------------|----------|-----|-----|-----|--------|--------|------|--------|--------|--------|--------|------|-----|--------|
| VIRGINIA | | | | | | | | | | | | | | |
| TIDEWATER | 01 | | | | | | | | | | | | | |
| HOLLAND 1 E | | | | | | | | | | | | | | |
| | WIND | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | EVAP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MAX TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MIN TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EASTERN PIEDMONT | 02 | | | | | | | | | | | | | |
| JOHN H KERR DAM | | | | | | | | | | | | | | |
| | WIND | - | - | - | B 1832 | 1297 | 1403 | 1466 | 1357 | 1372 | 1299 | 1318 | - | - |
| | EVAP | - | - | - | 4.36 | 5.58 | 7.17 | 6.94 | 6.74 | 4.01 | 3.04 | 2.23 | - | - |
| | MAX TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MIN TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| WESTERN PIEDMONT | 03 | | | | | | | | | | | | | |
| PHILPOTT DAM 2 | | | | | | | | | | | | | | |
| | WIND | - | - | - | 739 | 445 | 417 | 361 | B 265 | 441 | 654 | - | - | - |
| | EVAP | - | - | - | B 3.84 | 4.13 | 5.33 | B 5.49 | B 5.17 | B 2.69 | B 2.13 | - | - | - |
| | MAX TEMP | - | - | - | - | - | - | M - | M 93.4 | 76.6 | 60.8 | - | - | M - |
| | MIN TEMP | - | - | - | - | - | - | M - | M 69.1 | 58.4 | 41.0 | - | - | M - |
| NORTHERN | 04 | | | | | | | | | | | | | |
| PIEDMONT RESEARCH STN | | | | | | | | | | | | | | |
| | WIND | - | - | - | 1825 | 1200 | 1297 | 1009 | 869 | 873 | 1347 | - | - | - |
| | EVAP | - | - | - | 4.91 | B 6.46 | 7.95 | B 8.49 | B 6.59 | 4.26 | 3.74 | - | - | - |
| | MAX TEMP | - | - | - | 70.6 | 81.0 | 89.7 | 94.5 | 94.3 | 83.3 | 66.9 | - | - | M - |
| | MIN TEMP | - | - | - | 46.4 | 56.9 | 62.6 | 70.0 | 70.9 | 59.1 | 43.7 | - | - | M - |
| CENTRAL MOUNTAIN | 05 | | | | | | | | | | | | | |
| GATHRIGHT DAM | | | | | | | | | | | | | | |
| | WIND | - | - | - | - | 738 | 624 | 512 | 497 | 469 | 770 | - | - | - |
| | EVAP | - | - | - | - | 4.41 | 5.78 | 5.83 | 5.37 | 3.17 | 2.59 | - | - | - |
| | MAX TEMP | - | - | - | - | 70.5 | 80.7 | 83.9 | 84.8 | 73.8 | 54.5 | - | - | M - |
| | MIN TEMP | - | - | - | - | 47.7 | 54.2 | 60.3 | 61.0 | 52.1 | 36.2 | - | - | M - |
| SOUTHWESTERN MOUNTAIN | 06 | | | | | | | | | | | | | |
| MARION EVAP STATION | | | | | | | | | | | | | | |
| | WIND | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | EVAP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MAX TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MIN TEMP | - | - | - | - | - | - | - | - | - | - | - | - | - |

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STATION INDEX

VIRGINIA
1988

| STATION | INDEX NO. | DIVISION NO. | COUNTY | LATITUDE | LONGITUDE | ELEVATION FEET | YEARS OF RECORD | | | OPENED OR CLOSED DURING YR | | SEE REFERENCE NOTES |
|---------------------------|-----------|--------------|--------------|----------|-----------|-------------------|--------------------|---------|-------|----------------------------------|-----------------|---------------------------|
| | | | | | | | TEMP. | PRECIP. | EVAP. | MONTH OPENED | MONTH CLOSED | |
| VIRGINIA | | | | | | | | | | | | |
| ABINGDON 3 S | 0021 | 06 | WASHINGTON | 36 40 | 81 58W | 1920 | 20 | 20 | 0 | | | H |
| ALLISONIA 2 S | 0135 | 06 | PULASKI | 36 54 | 80 44W | 1850 | 0 | 37 | 0 | | | |
| ALTAVISTA | 0166 | 03 | CAMPBELL | 37 6 | 79 18W | 510 | 0 | 43 | 0 | | | C H |
| AMELIA 4 SW | 0187 | 02 | AMELIA | 37 18 | 78 2W | 360 | 20 | 20 | 0 | | | |
| APPOMATTOX | 0243 | 03 | APPOMATTOX | 37 22 | 78 50W | 910 | 27 | 50 | 0 | | | |
| ASHLAND | 0327 | 02 | HANOVER | 37 45 | 77 29W | 220 | 76 | 76 | 0 | | | H |
| BACK BAY WL REF | 0385 | 01 | | 36 40 | 75 55W | 5 | 36 | 36 | 0 | | | |
| BEDFORD | 0551 | 03 | BEDFORD | 37 21 | 79 31W | 975 | 60 | 74 | 0 | | | |
| BERRYVILLE | 0670 | 04 | CLARKE | 39 9 | 77 59W | 600 | 37 | 47 | 0 | | MAR | |
| BIG MEADOWS | 0720 | 04 | MADISON | 38 31 | 78 26W | 3535 | 53 | 53 | 0 | | | H H |
| BLACKSBURG 3 SE | 0766 | 06 | MONTGOMERY | 37 11 | 80 25W | 2000 | 37 | 37 | 0 | | | H H |
| BLAND | 0792 | 06 | BLAND | 37 6 | 81 6W | 2000 | 0 | 38 | 0 | | | C H |
| BREMO BLUFF | 0993 | 02 | FLUVANNA | 37 42 | 78 18W | 225 | 3 | 48 | 0 | | | |
| BROOKNEAL | 1082 | 03 | CAMPBELL | 37 3 | 78 56W | 445 | 12 | 38 | 0 | | | |
| BUCHANAN | 1121 | 05 | BOTETOURT | 37 32 | 79 41W | 880 | 68 | 85 | 0 | | | |
| BUCKINGHAM | 1136 | 02 | BUCKINGHAM | 37 33 | 78 33W | 460 | 0 | 53 | 0 | | | H |
| BUENA VISTA | 1159 | 05 | ROCKBRIDGE | 37 44 | 79 21W | 840 | 0 | 51 | 0 | | | |
| BURKES GARDEN | 1209 | 06 | TAZEWELL | 37 5 | 81 20W | 3300 | 91 | 93 | 0 | | | H |
| BYLLESBY 3 W | 1259 | 06 | CARROLL | 36 48 | 80 59W | 2610 | 0 | 23 | 0 | | | |
| CAMP PICKETT | 1322 | 02 | NOTTOWAY | 37 2 | 77 57W | 330 | 17 | 17 | 0 | | | C H |
| CHARLOTTE COURT HOUSE 3 W | 1585 | 03 | CHARLOTTE | 37 4 | 78 42W | 590 | 42 | 42 | 0 | | | |
| CHARLOTTESVILLE 2 W | 1593 | 03 | ALBEMARLE | 38 2 | 78 31W | 870 | 85 | 112 | 0 | | | |
| CHASE CITY | 1606 | 02 | MECKLENBURG | 36 50 | 78 28W | 510 | 41 | 41 | 0 | | | |
| CHATHAM | 1614 | 03 | PITTSYLVANIA | 36 49 | 79 24W | 640 | 65 | 65 | 0 | | | C |
| CLARKSVILLE | 1746 | 02 | MECKLENBURG | 36 37 | 78 34W | 310 | 0 | 97 | 0 | | | H |
| COLONIAL BEACH | 1913 | 01 | WESTMORELAND | 38 15 | 76 58W | 10 | 26 | 26 | 0 | | | |
| CONCORD 4 SSW | 1955 | 03 | CAMPBELL | 37 18 | 78 59W | 640 | 0 | 39 | 0 | | | H |
| COPPER HILL 1 NNE | 1999 | 06 | FLOYD | 37 6 | 80 8W | 2720 | 0 | 47 | 0 | | | H H |
| CORBIN | 2009 | 02 | CAROLINE | 38 12 | 77 22W | 220 | 30 | 30 | 0 | | | H |
| COVINGTON | 2041 | 05 | ALLEGHANY | 37 48 | 80 0W | 1245 | 0 | 51 | 0 | | | H |
| COVINGTON FILT PLANT | 2044 | 05 | ALLEGHANY | 37 48 | 80 0W | 1230 | 28 | 28 | 0 | | | C |
| CRAIGSVILLE 2 S | 2064 | 05 | AUGUSTA | 38 3 | 79 23W | 1780 | 0 | 26 | 0 | | | H |
| CROZIER | 2142 | 02 | GOOCHLAND | 37 38 | 77 48W | 300 | 13 | 50 | 0 | | | H H |
| CUMBERLAND | 2160 | 02 | CUMBERLAND | 37 30 | 78 15W | 460 | 0 | 10 | 0 | | | H H |
| DALE ENTERPRISE | 2208 | 05 | ROCKINGHAM | 38 27 | 78 56W | 1400 | 106 | 108 | 0 | | | C H |
| DANVILLE-BRIDGE ST | 2245 | 03 | PITTSYLVANIA | 36 35 | 79 23W | 410 | 71 | 98 | 0 | | | H |
| EARLEHURST | 2600 | 05 | ALLEGHANY | 37 40 | 80 14W | 2040 | 0 | 13 | 0 | | | H |
| EMPORIA 1 WNW | 2790 | 01 | GREENSVILLE | 36 41 | 77 33W | 100 | 6 | 58 | 0 | | | |
| FARMVILLE 2 N | 2941 | 02 | CUMBERLAND | 37 20 | 78 23W | 450 | 67 | 69 | 0 | | | H |
| FLOYD 2 NE | 3071 | 06 | FLOYD | 36 56 | 80 18W | 2600 | 56 | 56 | 0 | | | |
| FREDERICKSBURG NATL PK | 3192 | 01 | SPOTSYLVANIA | 38 19 | 77 27W | 90 | 95 | 97 | 0 | | | |
| FREE UNION | 3213 | 03 | ALBEMARLE | 38 9 | 78 34W | 570 | 0 | 34 | 0 | | | |
| GALAX RADIO WBOB | 3267 | 06 | CARROLL | 36 40 | 80 55W | 2385 | 34 | 45 | 0 | | | |
| GATHRIGHT DAM | 3310 | 05 | ALLEGHANY | 37 57 | 79 57W | 1770 | 10 | 10 | 10 | | | H |
| GLASGOW 1 SE | 3375 | 05 | ROCKBRIDGE | 37 37 | 79 26W | 740 | 0 | 22 | 0 | | | H |
| GLEN LYN | 3397 | 06 | GILES | 37 22 | 80 52W | 1520 | 48 | 75 | 0 | | | |
| GORDONSVILLE 3 S | 3466 | 02 | LOUISA | 38 5 | 78 11W | 460 | 0 | 28 | 0 | | | H |
| GOSHEN | 3470 | 05 | ROCKBRIDGE | 37 59 | 79 30W | 1350 | 0 | 49 | 0 | | | |
| GRUNDY | 3640 | 06 | BUCHANAN | 37 16 | 82 5W | 1170 | 28 | 38 | 0 | | | H |
| HILLSVILLE | 3991 | 06 | CARROLL | 36 44 | 80 44W | 2590 | 0 | 46 | 0 | | | H |
| HOLCOMBS ROCK | 4039 | 03 | BEDFORD | 37 30 | 79 16W | 575 | 0 | 28 | 0 | | | H |
| HOLLAND 1 E | 4044 | 01 | | 36 41 | 76 47W | 80 | 56 | 56 | 1 | | | H |
| HOPEWELL | 4101 | 01 | PR GEORGE | 37 18 | 77 18W | 40 | 96 | 101 | 0 | | | |

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STATION INDEX

VIRGINIA
1988

| STATION | INDEX NO. | DIVISION NO. | COUNTY | LATITUDE | LONGITUDE | ELEVATION FEET | YEARS OF RECORD | | | OPENED OR CLOSED DURING YR | | SEE REFERENCE NOTES |
|------------------------|-----------|--------------|---------------|----------|-----------|-------------------|--------------------|---------|-------|----------------------------------|-----------------|---------------------------|
| | | | | | | | TEMP. | PRECIP. | EVAP. | MONTH OPENED | MONTH CLOSED | |
| | | | | | | | | | | | | |
| HOT SPRINGS | 4128 | 05 | BATH | 38 0 | 79 50 W | 2238 | 95 | 97 | 0 | | | C H |
| HUDDLESTON 4 SW | 4148 | 03 | BEDFORD | 37 8 | 79 32 W | 970 | 0 | 39 | 0 | | | |
| INDEPENDENCE 2 | 4234 | 06 | GRAYSON | 36 39 | 81 10 W | 2610 | 0 | 36 | 0 | | | |
| JOHN W FLANNAGAN LAKE | 4410 | 06 | DICKENSON | 37 14 | 82 21 W | 1462 | 0 | 20 | 0 | | | C H |
| JOHN H KERR DAM | 4414 | 02 | MECKLENBURG | 36 36 | 78 17 W | 2500 | 40 | 40 | 37 | | | C C |
| KERRS CREEK 6 WNW | 4565 | 05 | ROCKBRIDGE | 37 51 | 79 35 W | 1500 | 0 | 27 | 0 | | | |
| KEYSVILLE 8 N | 4568 | 02 | PRINCE EDWARD | 37 10 | 78 31 W | 550 | 0 | 10 | 0 | | | |
| KILMARNOCK 1 N | 4600 | 01 | LANCASTER | 37 43 | 76 23 W | 60 | 10 | 10 | 0 | | | H H |
| LAFAYETTE 1 NE | 4676 | 06 | MONTGOMERY | 37 14 | 80 13 W | 1380 | 0 | 38 | 0 | | | |
| LANGLEY AFB | 4720 | 01 | | 37 5 | 76 21 W | 10 | 103 | 152 | 0 | | | H |
| LAWRENCEVILLE 5 W | 4768 | 02 | BRUNSWICK | 36 46 | 77 56 W | 300 | 43 | 43 | 0 | | | H |
| LEXINGTON | 4876 | 05 | ROCKBRIDGE | 37 47 | 79 26 W | 1060 | 110 | 117 | 0 | | | H H |
| LINCOLN | 4909 | 04 | LOUDOUN | 39 7 | 77 43 W | 500 | 87 | 88 | 0 | | | H H |
| LOUISA | 5050 | 02 | LOUISA | 38 2 | 78 0 W | 420 | 73 | 73 | 0 | | | H H |
| LURAY 5 E | 5096 | 04 | PAGE | 38 40 | 78 23 W | 1200 | 47 | 47 | 0 | | | H H |
| LYNCHBURG WSO AP | 5120 | 03 | CAMPBELL | 37 20 | 79 12 W | 916 | 117 | 117 | 0 | | | C H J |
| MARION EVAP STATION | 5271 | 06 | SMYTH | 36 49 | 81 31 W | 2100 | 29 | 29 | 29 | | | |
| MARTINSVILLE FILT PL | 5300 | 03 | HENRY | 36 42 | 79 53 W | 760 | 49 | 57 | 0 | | | |
| MATHEWS 2 ENE | 5338 | 01 | MATHEWS | 37 27 | 76 17 W | 5 | 38 | 38 | 0 | | | |
| MC DOWELL 3 W | 5416 | 05 | HIGHLAND | 38 21 | 79 32 W | 2400 | 0 | 9 | 0 | | | H |
| MEADOWS OF DAN 5 SW | 5453 | 03 | PATRICK | 36 40 | 80 27 W | 1500 | 0 | 39 | 0 | | | H |
| MILLGAP 2 NNW | 5595 | 05 | HIGHLAND | 38 21 | 79 43 W | 2520 | 0 | 13 | 0 | | | C |
| MONTABELLO 2 NE | 5685 | 03 | NELSON | 37 53 | 79 8 W | 2680 | 0 | 51 | 0 | | | H H |
| MONTEREY | 5698 | 05 | HIGHLAND | 38 25 | 79 35 W | 2920 | 47 | 63 | 0 | | | H H |
| MONTICELLO | 5700 | 03 | ALBEMARLE | 38 1 | 78 27 W | 780 | 7 | 7 | 0 | JAN | | |
| MOUNTAIN GROVE | 5756 | 05 | BATH | 38 6 | 79 53 W | 1767 | 0 | 13 | 0 | | | |
| MT LAKE BIOLOGICAL STA | 5828 | 06 | GILES | 37 23 | 80 32 W | 3870 | 18 | 18 | 0 | | | |
| MOUNT WEATHER | 5851 | 04 | LOUDOUN | 39 4 | 77 53 W | 1720 | 84 | 85 | 0 | | | C |
| NEW CASTLE | 6012 | 05 | CRAIG | 37 30 | 80 6 W | 1310 | 0 | 51 | 0 | | FEB | |
| NEWPORT 2 NNW | 6046 | 06 | GILES | 37 19 | 80 31 W | 2060 | 0 | 43 | 0 | | | |
| NORFOLK WSO AP | 6139 | 01 | | 36 54 | 76 12 W | 22 | 43 | 43 | 0 | | | C H J |
| NORTH FORK LAKE | 6173 | 06 | WISE | 37 8 | 82 38 W | 1675 | 0 | 20 | 0 | | | H H |
| PAINTER 2 W | 6475 | 01 | ACCOMACK | 37 35 | 75 49 W | 30 | 33 | 33 | 0 | | | C |
| PALMYRA 1 E | 6491 | 02 | FLUVANNA | 37 52 | 78 15 W | 410 | 0 | 32 | 0 | | | H |
| PEDLAR DAM | 6593 | 03 | AMHERST | 37 40 | 79 17 W | 1010 | 0 | 54 | 0 | | SEPT | |
| PENNINGTON GAP | 6626 | 06 | LEE | 36 45 | 83 3 W | 1510 | 56 | 56 | 0 | | | H |
| PHILPOTT DAM 2 | 6692 | 03 | HENRY | 36 47 | 80 2 W | 1123 | 36 | 36 | 36 | | | C H |
| PIEDMONT RESEARCH STN | 6712 | 04 | ORANGE | 38 13 | 78 7 W | 515 | 41 | 42 | 16 | | | C H |
| POWHATAN | 6906 | 02 | POWHATAN | 37 33 | 77 56 W | 370 | 0 | 29 | 0 | | | |
| PULASKI | 6955 | 06 | PULASKI | 37 4 | 80 47 W | 1850 | 28 | 28 | 0 | | | C H |
| RADFORD | 6999 | 06 | | 37 8 | 80 33 W | 1730 | 0 | 21 | 0 | | | |
| RICHMOND WSO AP | 7201 | 02 | HENRICO | 37 30 | 77 20 W | 164 | 51 | 51 | 0 | | | C H J |
| ROANOKE WSO AP | 7285 | 05 | ROANOKE | 37 19 | 79 58 W | 1149 | 54 | 56 | 0 | | | C H J |
| ROCKFISH | 7312 | 03 | NELSON | 37 48 | 78 45 W | 485 | 0 | 51 | 0 | | | C H |
| ROCKY MOUNT | 7338 | 03 | FRANKLIN | 37 0 | 79 54 W | 1232 | 95 | 95 | 0 | | | C H |
| ROSELAND 1 NNW | 7402 | 03 | NELSON | 37 48 | 78 59 W | 880 | 0 | 3 | 0 | MAY | | H |
| SOUTH BOSTON | 7925 | 03 | HALIFAX | 36 42 | 78 53 W | 340 | 33 | 33 | 0 | | | |
| STAFFORDSVILLE 3 ENE | 8022 | 06 | GILES | 37 16 | 80 43 W | 1950 | 19 | 37 | 0 | | | H |
| STANTON SEWAGE PLANT | 8062 | 05 | AUGUSTA | 38 9 | 79 2 W | 1385 | 96 | 102 | 0 | | | C H |
| STERLING (RCS) | 8084 | 04 | LOUDOUN | 38 59 | 77 28 W | 280 | 12 | 12 | 0 | | | H |
| STONY CREEK 3 ESE | 8129 | 01 | SUSSEX | 36 55 | 77 21 W | 70 | 30 | 30 | 0 | | | C H |
| STUART 1 SSE | 8170 | 03 | PATRICK | 36 38 | 80 16 W | 1455 | 29 | 29 | 0 | | | |
| SUFFOLK LAKE KILBY | 8192 | 01 | | 36 44 | 76 36 W | 22 | 42 | 42 | 0 | | | H |
| TANGIER ISLAND | 8323 | 01 | ACCOMACK | 37 50 | 76 0 W | 5 | 36 | 36 | 0 | | | H |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

VIRGINIA
1988

| STATION | INDEX NO. | DIVISION NO. | COUNTY | LATITUDE | LONGITUDE | ELEVATION FEET | YEARS OF RECORD | | | OPENED OR CLOSED DURING YR | | SEE REFERENCE NOTES |
|------------------------|-----------|--------------|--------------|----------|-----------|-------------------|--------------------|---------|-------|----------------------------------|-----------------|---------------------------|
| | | | | | | | TEMP. | PRECIP. | EVAP. | MONTH OPENED | MONTH CLOSED | |
| THE PLAINS 2 NNE | 8396 | 04 | FAUQUIER | 38 54 | 77 45 W | 530 | 0 | 43 | 0 | | | C H |
| TIMBERVILLE 3 E | 8448 | 05 | ROCKINGHAM | 38 39 | 78 43 W | 1000 | 46 | 57 | 0 | | | C H |
| TROUT DALE 3 SSE | 8547 | 06 | GRAYSON | 36 40 | 81 24 W | 2820 | 0 | 53 | 0 | | | C |
| TYE RIVER 1 SE | 8600 | 03 | NELSON | 37 38 | 78 56 W | 720 | 26 | 50 | 0 | | | |
| VIENNA DUNN LORING | 8737 | 04 | FAIRFAX | 38 54 | 77 13 W | 418 | 0 | 40 | 0 | | | H |
| WAKEFIELD 2 | 8800 | 01 | SUSSEX | 36 59 | 77 0 W | 90 | 14 | 14 | 0 | | | |
| WALKERTON 2 NW | 8829 | 01 | KING & QUEEN | 37 45 | 77 3 W | 50 | 55 | 56 | 0 | | | H |
| WALLACETON LK DRUMMOND | 8837 | 01 | | 36 36 | 76 26 W | 25 | 0 | 62 | 0 | | | |
| WARRENTON 3 SE | 8888 | 04 | FAUQUIER | 38 41 | 77 46 W | 500 | 38 | 38 | 0 | | | H |
| WARSAW 2 NW | 8894 | 01 | RICHMOND | 37 59 | 76 46 W | 140 | 38 | 38 | 0 | | | H |
| WASH DULLES WSO AP | 8903 | 04 | LOUDOUN | 38 57 | 77 27 W | 290 | 27 | 27 | 0 | | | H H J |
| WASH NATL WSCMO AP | 8906 | 04 | ARLINGTON | 38 51 | 77 2 W | 10 | 48 | 48 | 0 | | | C H J |
| WEST AUGUSTA | 8975 | 05 | AUGUSTA | 38 16 | 79 19 W | 1890 | 0 | 9 | 0 | | | |
| WEST POINT 2 SW | 9025 | 01 | NEW KENT | 37 31 | 76 50 W | 18 | 35 | 35 | 0 | | | H |
| WILLIAMSBURG 2 N | 9151 | 01 | YORK | 37 18 | 76 42 W | 70 | 38 | 43 | 0 | | | C H |
| WILLIS | 9169 | 06 | FLOYD | 36 51 | 80 29 W | 2900 | 0 | 10 | 0 | | | |
| WINCHESTER "WINC" | 9181 | 04 | FREDERICK | 39 11 | 78 9 W | 720 | 7 | 7 | 0 | JAN | | H |
| WINCHESTER 3 ESE | 9186 | 04 | FREDERICK | 39 11 | 78 7 W | 680 | 83 | 82 | 0 | | | H |
| WINTERPOCK 4 W | 9213 | 02 | CHESTERFIELD | 37 20 | 77 39 W | 300 | 0 | 10 | 0 | | | |
| WISE 1 SE | 9215 | 06 | WISE | 36 58 | 82 34 W | 2570 | 34 | 34 | 0 | | | C H |
| WOODSTOCK 2 NE | 9263 | 04 | SHENANDOAH | 38 54 | 78 28 W | 660 | 90 | 96 | 0 | | | H |
| WOOLWINE | 9272 | 03 | PATRICK | 36 43 | 80 17 W | 1520 | 0 | 38 | 0 | | | C |
| WYTHEVILLE 1 S | 9301 | 06 | WYTHE | 36 56 | 81 5 W | 2450 | 85 | 115 | 0 | | | C H |

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

VIRGINIA
1988

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 the time period - 1951-1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

TEMPERATURE EXTREMES AND FREEZE DATA: Spring minimum dates are obtained from data for January through June; Fall dates are from July through December data. "NONE" indicates temperature threshold not reached. "MSG" indicates available data insufficient to determine date.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each degree that the daily mean temperature is below (above) 65 deg. F

SOIL TEMPERATURE EXTREMES: The highest and lowest MAX and MIN temperature for each month and the year.

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 DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- * Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known.
- // 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 monthly bulletins to determine date of last reading. (HAWAII stations)
- B Estimated total value for wind, evaporation, or cooling degree days.
- 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.
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See * above)
- Z Same as M but the Z has overprinted a Negative sign or leading digit (eg. Z14.6 = -M-14.6, Z08.2 = M108.2).

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

Thermometers located in a rooftop shelter.

C Station is equipped with a 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 in Monthly "Climatological Data" publications.

J Station also published as a "Local Climatological Data" bulletin.

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 "Climatological Data".

Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

The graphic displays appearing in this publication were first produced for the 1986 annual. The types of graphs and the information they portray may vary from year to year and from state to state in order to highlight climatic features of state, regional, and historical 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. Similar historical information for regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

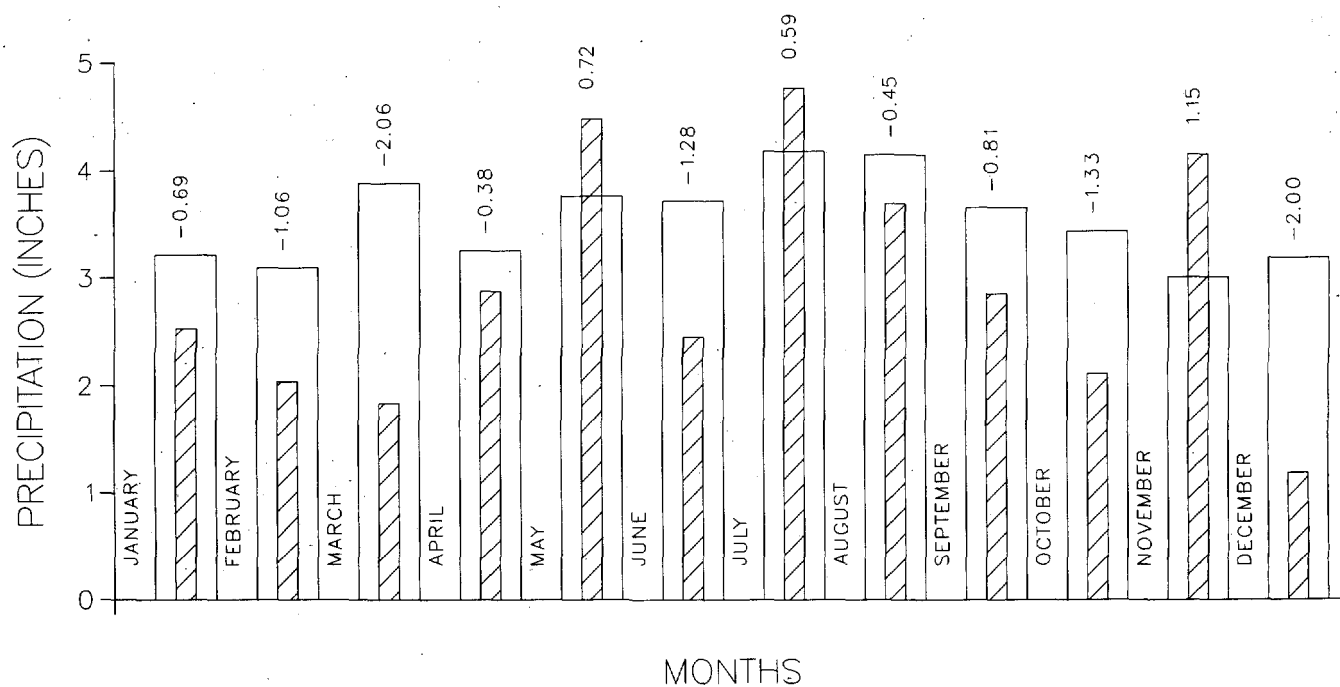
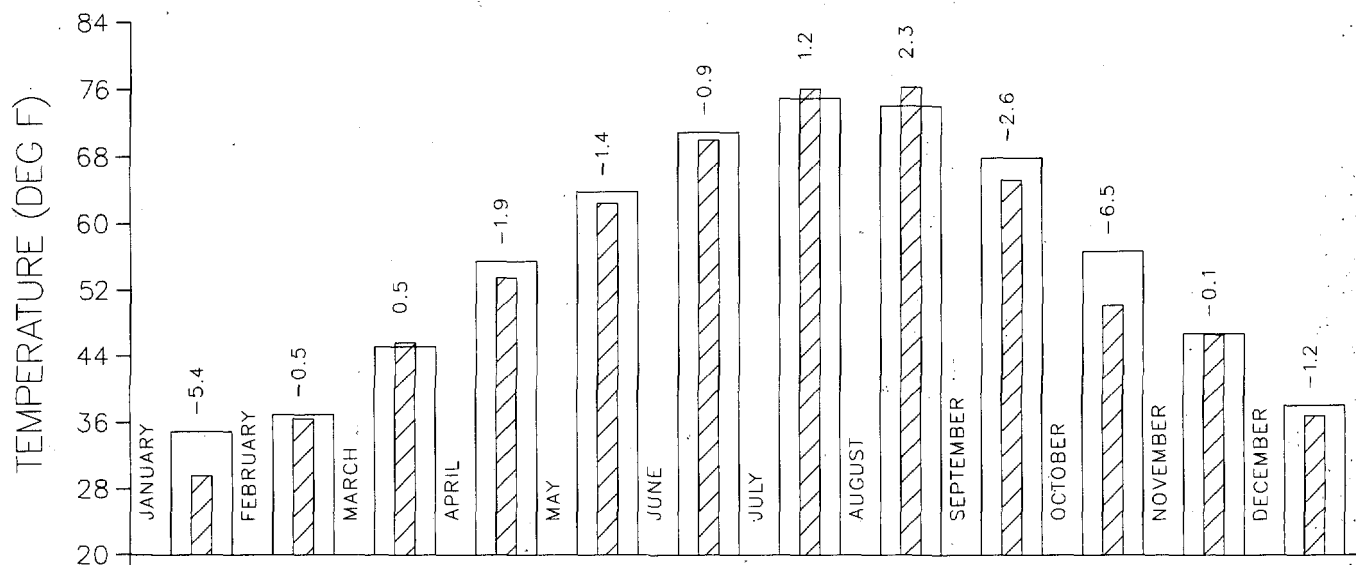
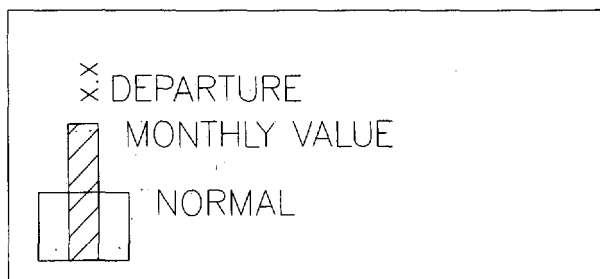
Additional Information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. The contents of this publication may be reprinted or otherwise used freely with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

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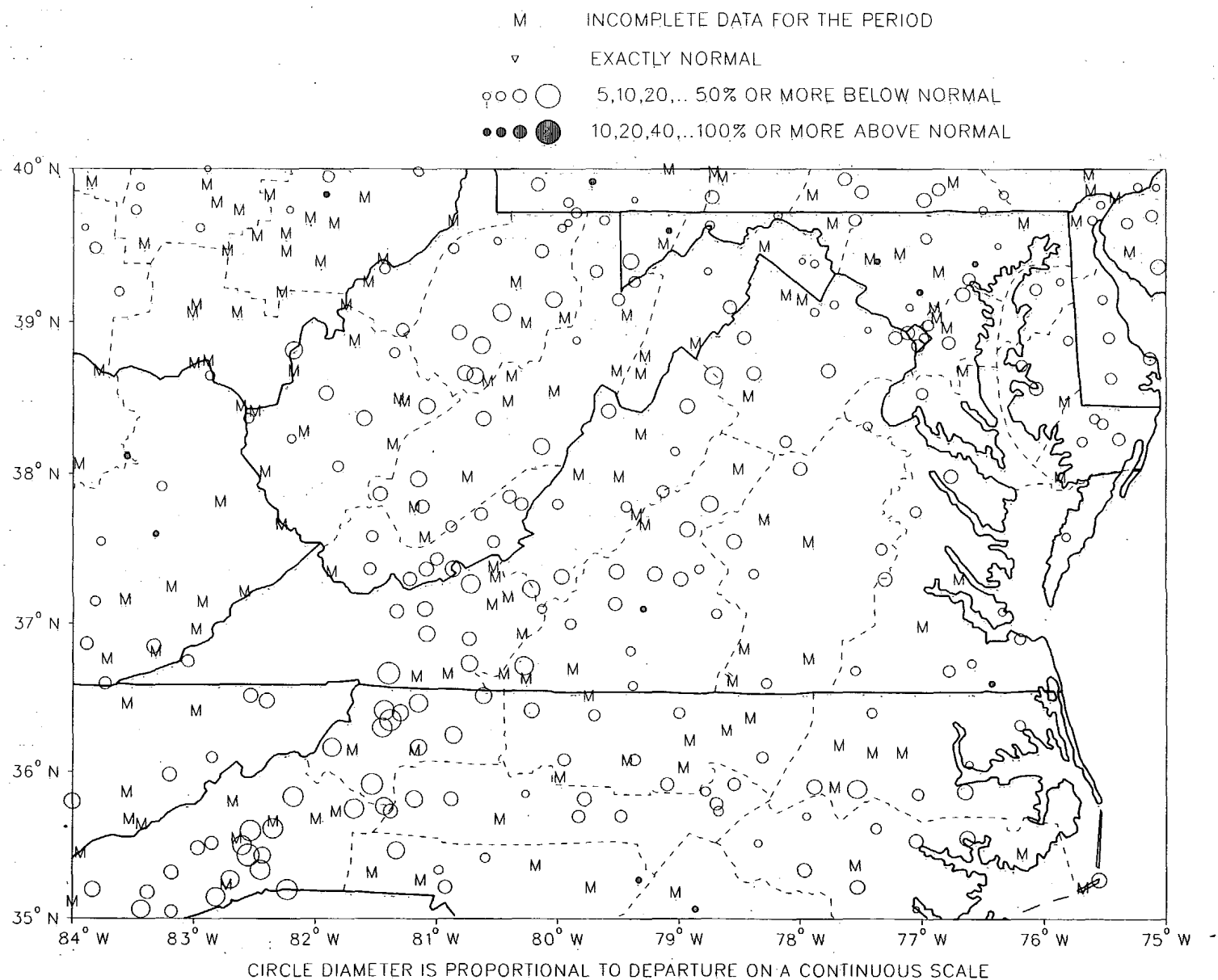
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TEMPERATURE AND PRECIPITATION AREALLY WEIGHTED STATE AVERAGES AND DEPARTURES FROM NORMAL (1951-1980) FOR 1988

VIRGINIA



CUMULATIVE ANNUAL PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980) FOR 1988 VIRGINIA



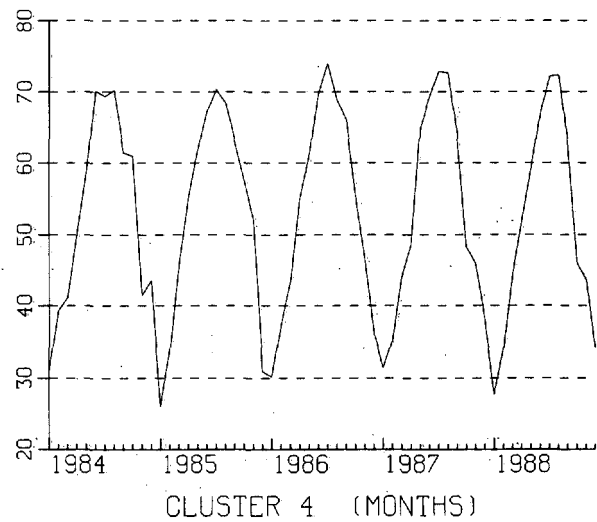
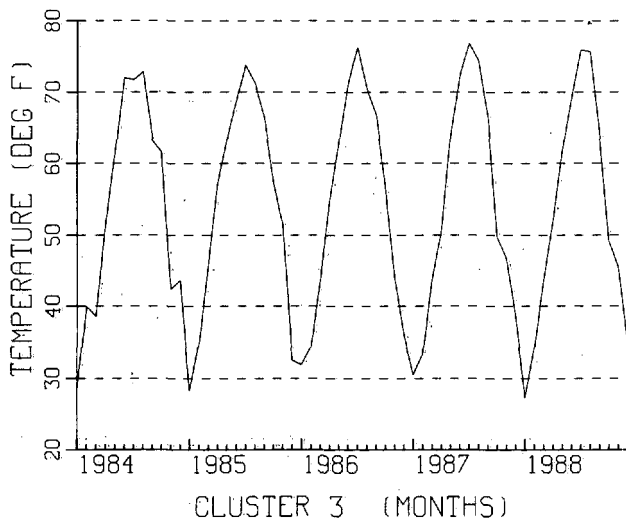
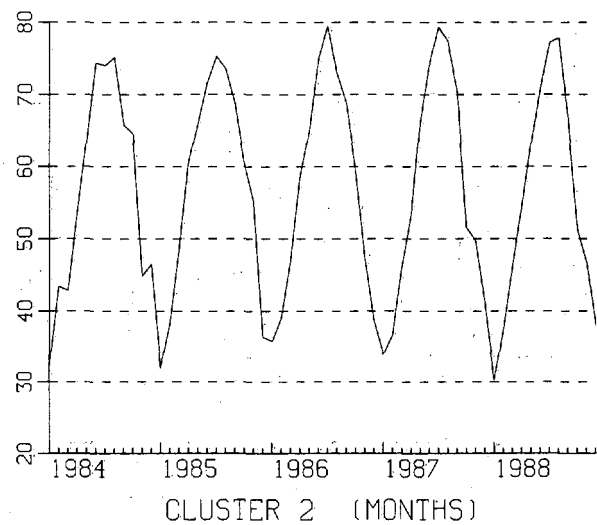
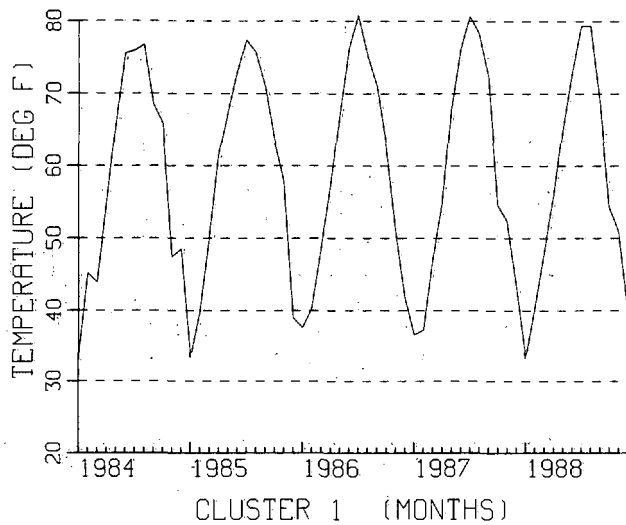
MONTHLY TEMPERATURE FOR THE LAST 60 MONTHS ENDING DECEMBER 1988 VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



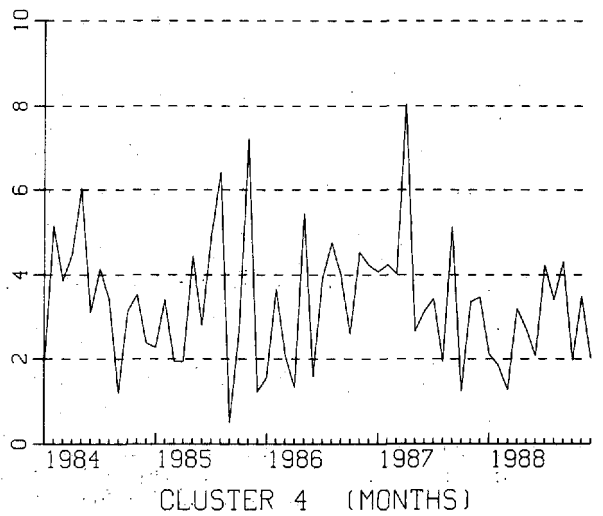
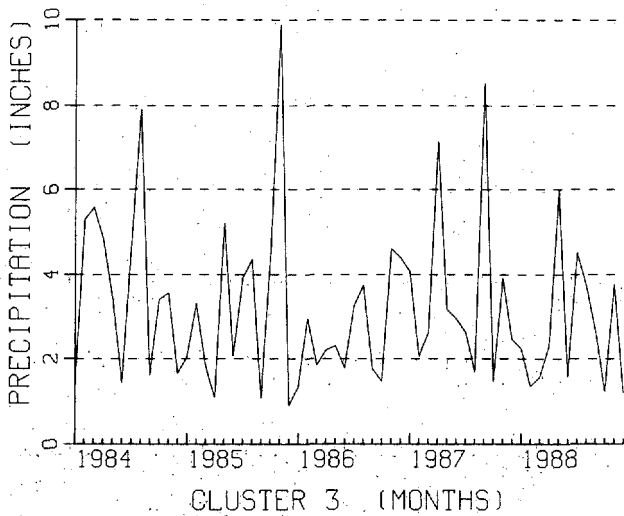
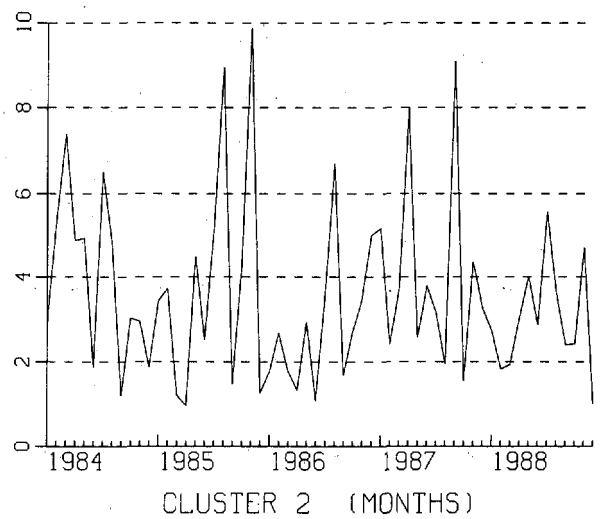
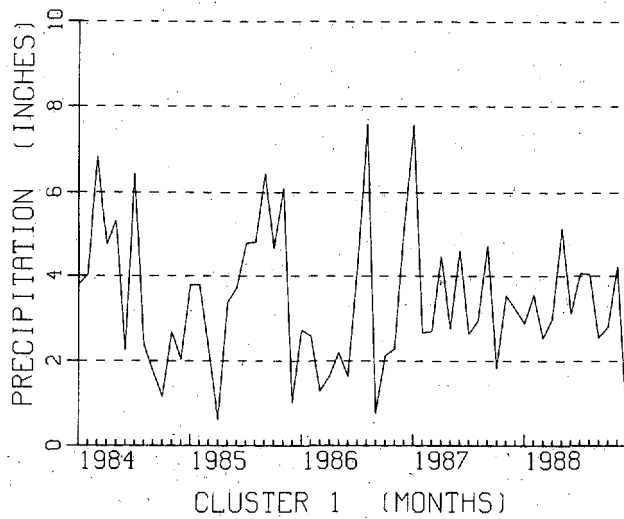
MONTHLY PRECIPITATION FOR THE LAST 60 MONTHS ENDING DECEMBER 1988 VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



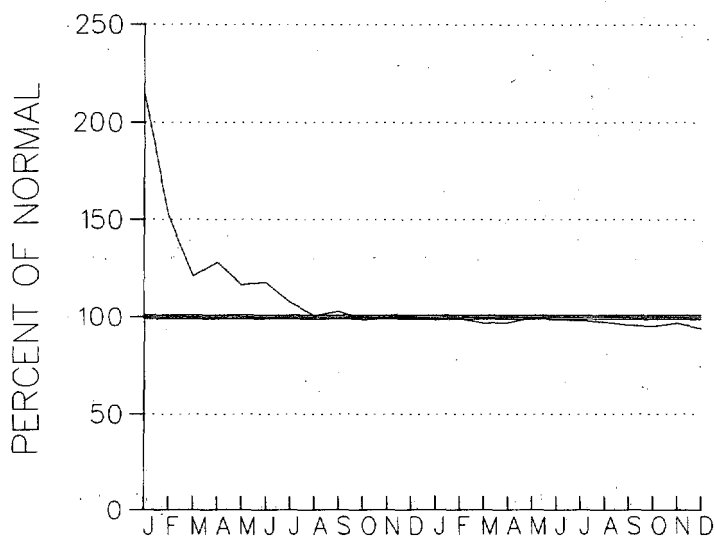
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 24 MONTHS ENDING DECEMBER 1988 VIRGINIA

CLUSTER 1 -DIVISION(S):
 TIDEWATER 01

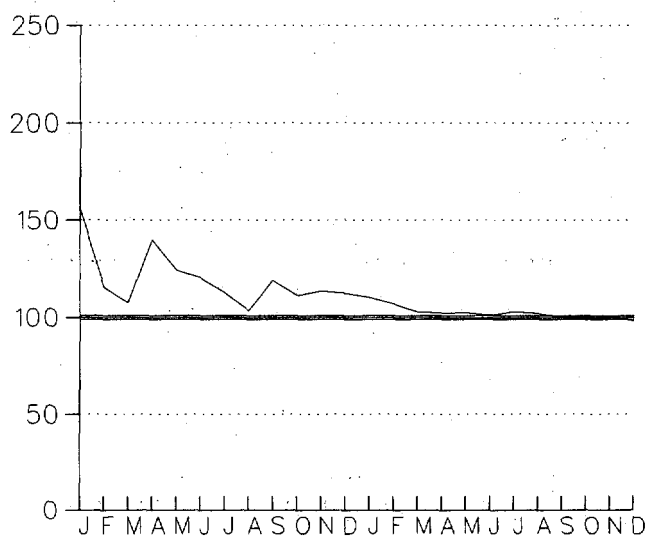
CLUSTER 2 -DIVISION(S):
 EASTERN PIEDMONT 02
 WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
 NORTHERN 04
 CENTRAL MOUNTAIN 05

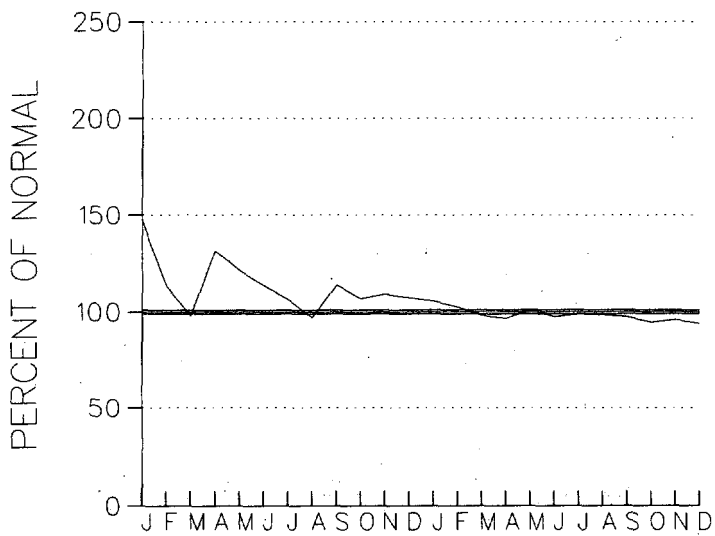
CLUSTER 4 -DIVISION(S):
 SOUTHWESTERN MOUNTAIN 06



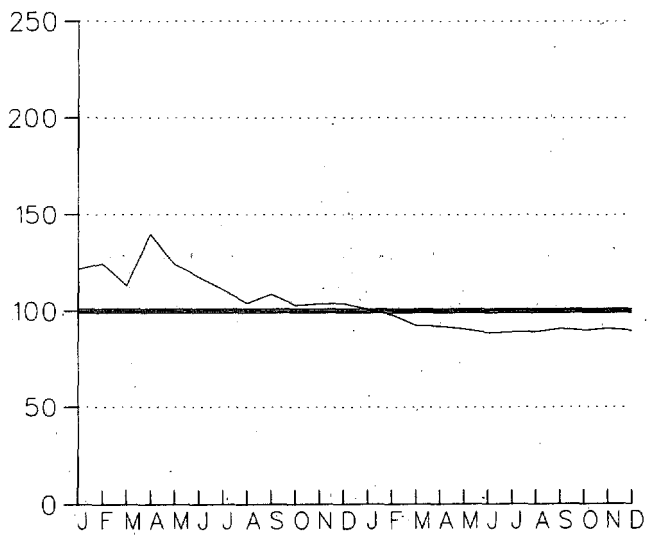
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

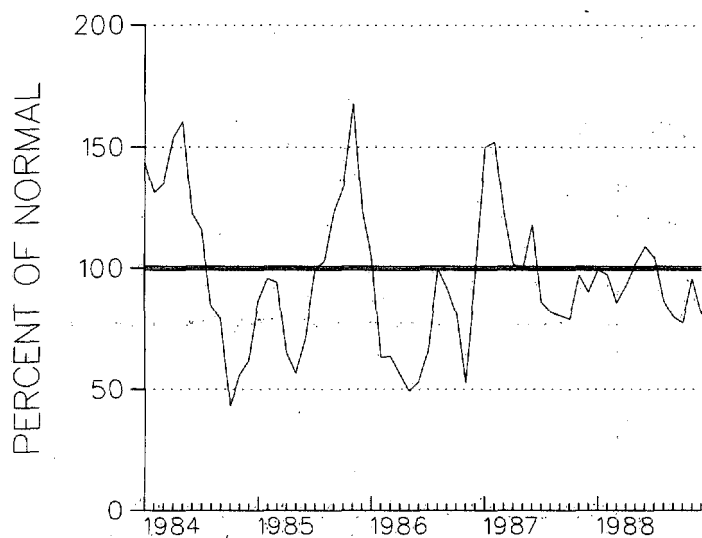
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 60 MONTHS ENDING WITH DECEMBER 1988 DATA VIRGINIA

CLUSTER 1 -DIVISION(S):
 TIDEWATER 01

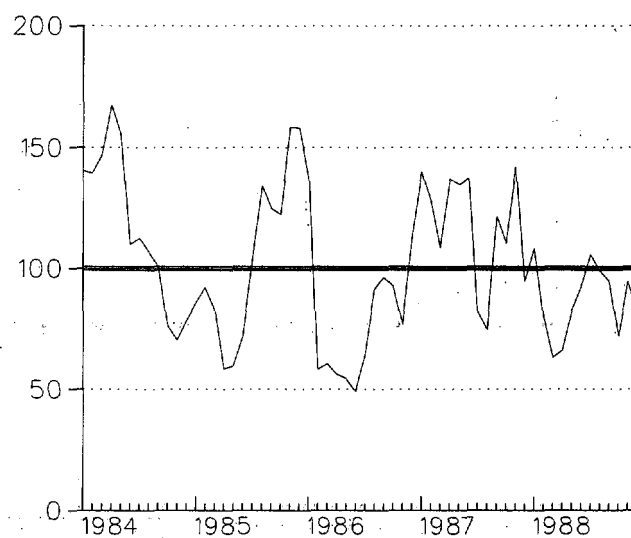
CLUSTER 2 -DIVISION(S):
 EASTERN PIEDMONT 02
 WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
 NORTHERN 04
 CENTRAL MOUNTAIN 05

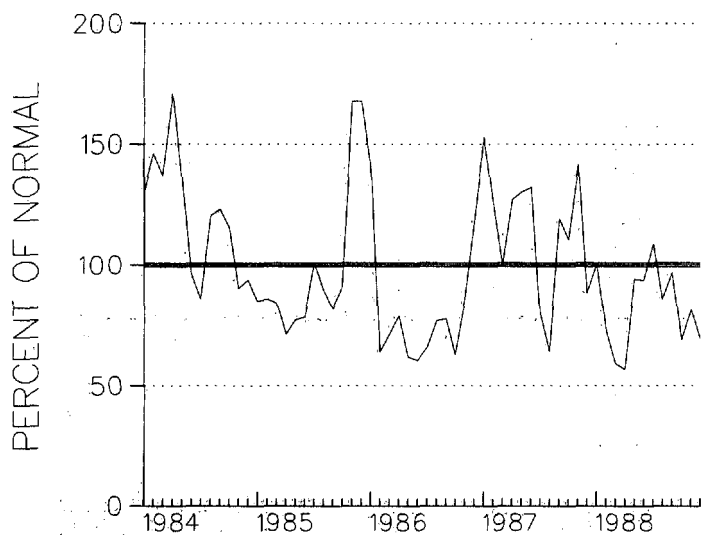
CLUSTER 4 -DIVISION(S):
 SOUTHWESTERN MOUNTAIN 06



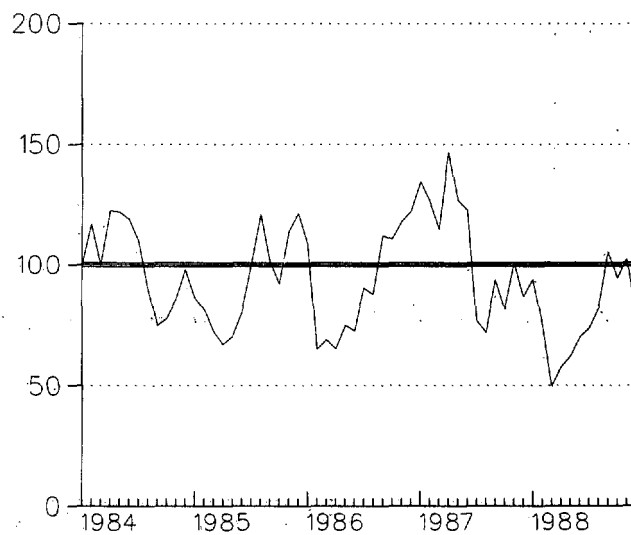
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

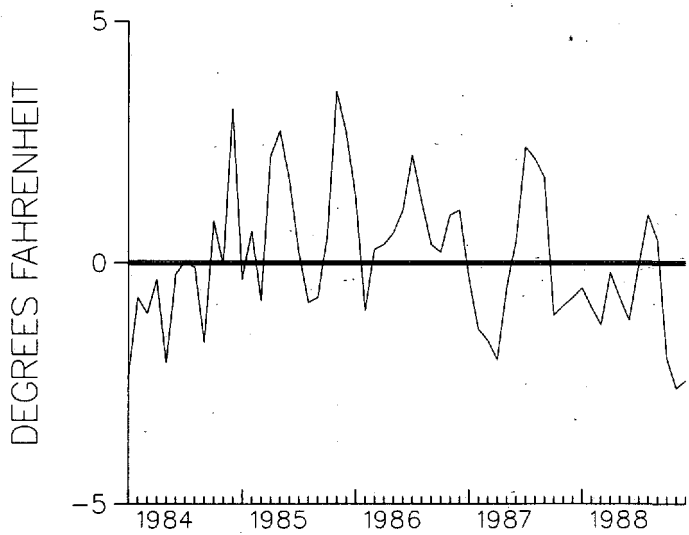
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 60 MONTHS ENDING WITH DECEMBER 1988 DATA
VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

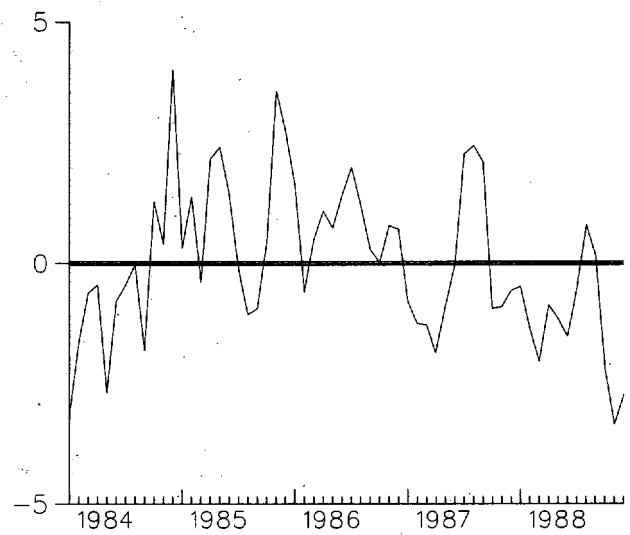
CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

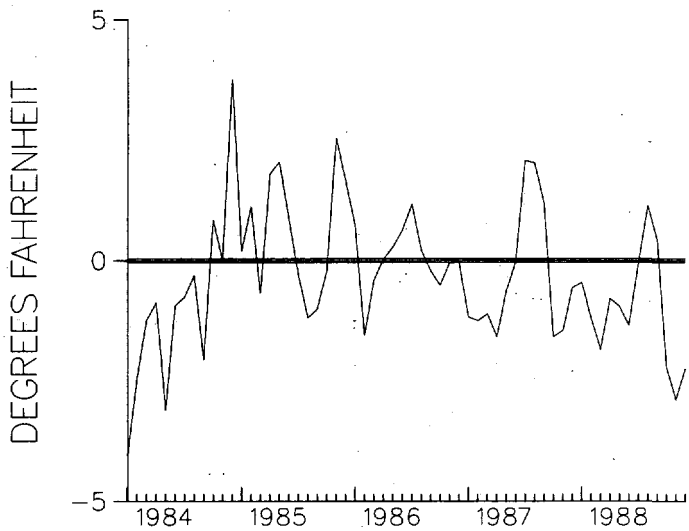
CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



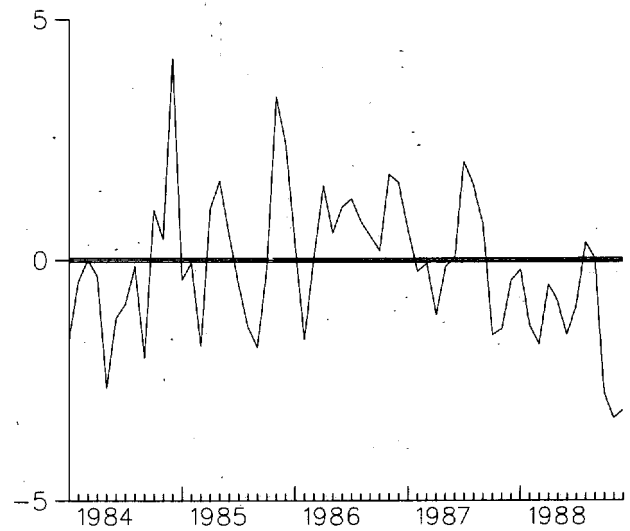
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

44 - VIRGINIA & D.C.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.3 AND 45.3 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 TIDEWATER
- 2 EASTERN PIEDMONT
- 3 WESTERN PIEDMONT
- 4 NORTHERN
- 5 CENTRAL MOUNTAIN
- 6 SOUTHWESTERN MOUNTAIN



| MONTHLY PRECIPITATION TOTALS | | | | | | | | | | | | ANNUAL 1987 NORTH CAROLINA | | | |
|------------------------------|--------|-------|------|------|-------|------|-----|-----|-----|--|--|-------------------------------|------|------|-----|
| STATION | ANNUAL | MONTH | | | | | | | | | | SEP | OCT | NOV | DEC |
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | | | | | | |
| NORTH CAROLINA | 34.57 | 1.11 | 1.85 | 2.75 | 0.57 | 3.55 | | | | | | 4.19 | 5.28 | 4.28 | |
| ASHEVILLE WSO AP | 25.67 | 0.71 | 1.57 | 1.81 | 0.53 | 2.55 | | | | | | 2.77 | 4.15 | 2.94 | |
| ASHEVILLE | 36.74E | 1.20 | 2.70 | 2.80 | 0.54E | | | | | | | 3.80 | 4.90 | 4.80 | |
| BADIN | - | - | 1.30 | 2.60 | 1.20 | | | | | | | 2.40 | 4.10 | 2.90 | |
| B EVERETT JORDAN DAN | - | 1.70 | 1.50 | 3.60 | | | | | | | | | 1.70 | - | |

ANNUAL 1987
NORTH CAROLINA



HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

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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 three years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data are also available in digital form - on magnetic tape and diskette.

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