

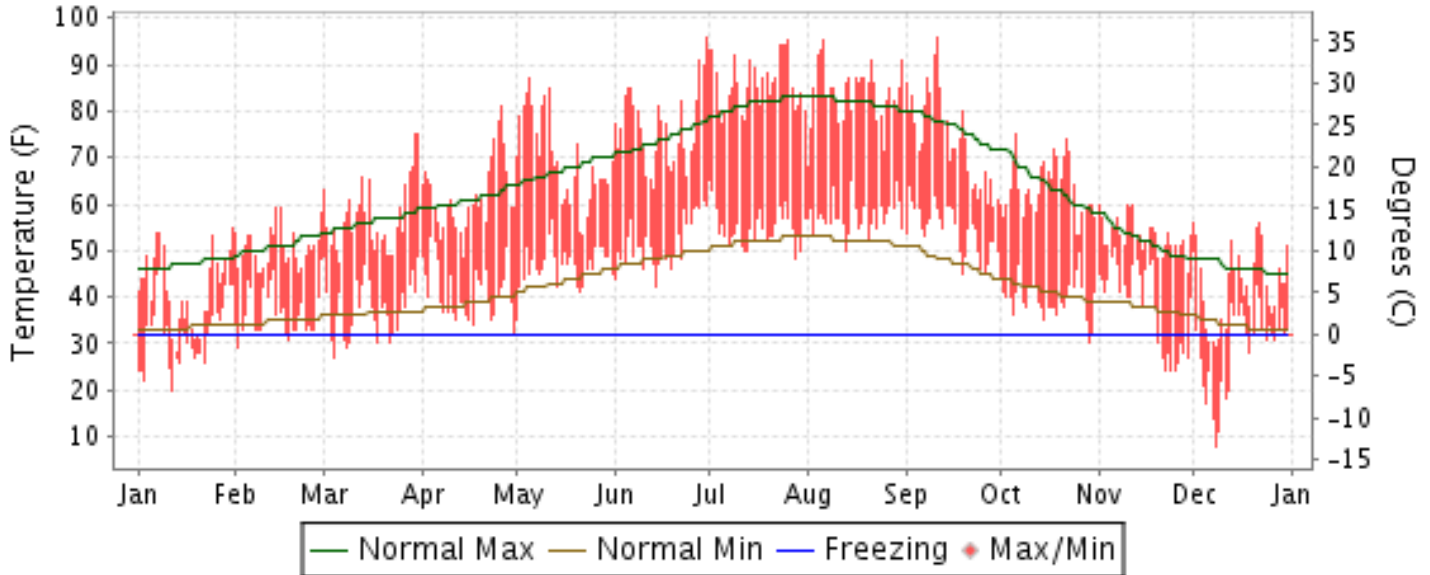


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

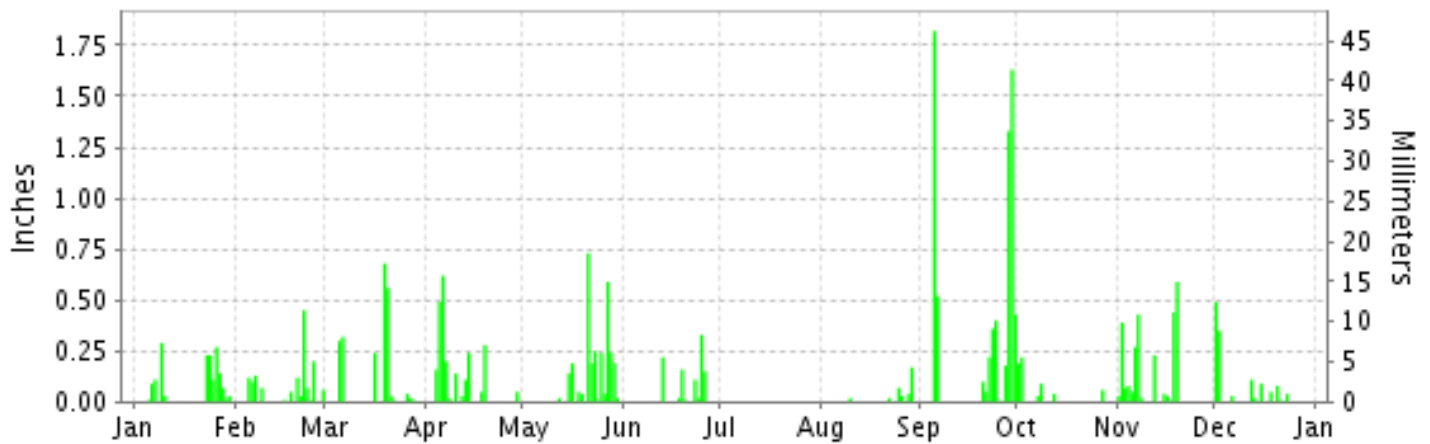
ISSN 0198-4217

SALEM, OREGON (KSLE)

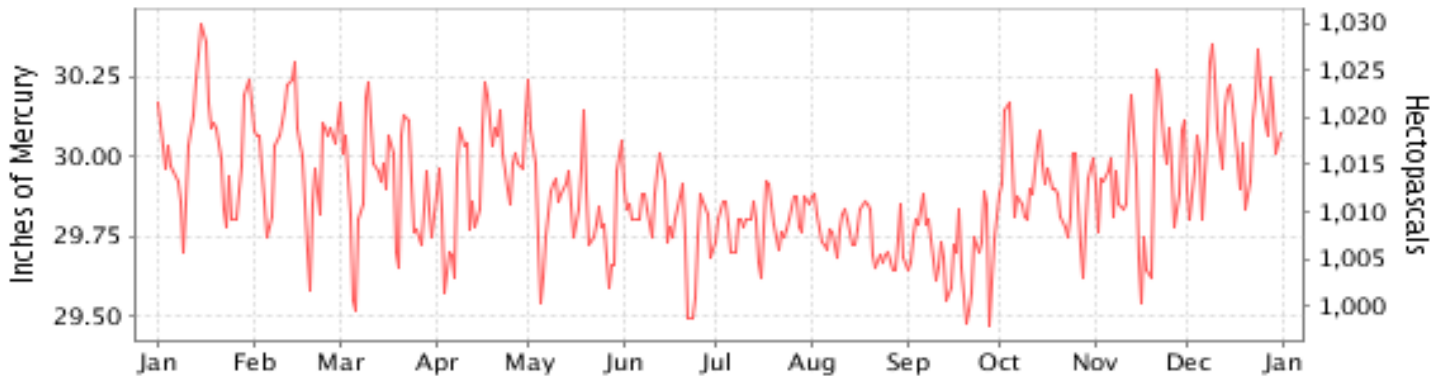
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

SALEM (KSLE)

LATITUDE: 44° 54'N LONGITUDE: 123° 0'W ELEVATION (FT): GRND: 205 BARO: 198 TIME ZONE: PACIFIC (UTC -8) WBAN: 24232

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 41.9 | 50.5 | 57.5 | 61.9 | 69.4 | 76.3 | 85.9 | 83.7 | 74.1 | 63.4 | 53.1 | 42.5 | 63.4 | |
| | HIGHEST DAILY MAXIMUM | 55 | 59 | 75 | 81 | 87 | 96 | 95 | 95 | 96 | 75 | 60 | 56 | 96 | |
| | DATE OF OCCURRENCE | 31 | 15+ | 31+ | 26 | 05 | 30 | 26 | 06 | 11 | 06 | 12+ | 22 | SEP 11 | |
| | MEAN DAILY MINIMUM | 32.4 | 36.6 | 37.8 | 41.2 | 46.9 | 51.6 | 55.0 | 57.5 | 54.6 | 39.8 | 38.3 | 29.8 | 43.5 | |
| | LOWEST DAILY MINIMUM | 20 | 29 | 27 | 32 | 35 | 42 | 48 | 50 | 45 | 30 | 24 | 8 | 8 | |
| | DATE OF OCCURRENCE | 12 | 02 | 04 | 30 | 01 | 14 | 28 | 13 | 26+ | 29 | 25+ | 08 | DEC 08 | |
| | AVERAGE DRY BULB | 37.1 | 43.6 | 47.7 | 51.6 | 58.1 | 63.9 | 70.5 | 70.6 | 64.3 | 51.6 | 45.7 | 36.2 | 53.4 | |
| | MEAN WET BULB | 36.0 | 41.6 | 44.3 | 47.0 | 52.1 | 57.0 | 59.4 | 61.2 | | 47.3 | 42.8 | 34.9 | | |
| | MEAN DEW POINT | 34.5 | 39.0 | 40.5 | 41.7 | 46.7 | 51.6 | 52.0 | 55.5 | | 44.2 | 39.5 | 32.4 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 18 |
| MAXIMUM <= 32° | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 9 | |
| MINIMUM <= 32° | 16 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 17 | 57 | 57 | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 855 | 592 | 533 | 397 | 211 | 79 | 2 | 3 | 87 | 413 | 573 | 887 | 4632 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 10 | 53 | 176 | 188 | 75 | 0 | 0 | 0 | 502 | |
| RH | MEAN (PERCENT) | 91 | 85 | 78 | 72 | 70 | 67 | 57 | 64 | 75 | 81 | 82 | 87 | 76 | |
| | HOUR 04 LST | 94 | 93 | 93 | 89 | 89 | 89 | 83 | 86 | 90 | 94 | 90 | 92 | 90 | |
| | HOUR 10 LST | 89 | 82 | 70 | 64 | 62 | 57 | 48 | 56 | 65 | 75 | 76 | 86 | 69 | |
| | HOUR 16 LST | 88 | 74 | 60 | 55 | 54 | 49 | 34 | 43 | 59 | 61 | 76 | 82 | 61 | |
| | HOUR 22 LST | 94 | 89 | 86 | 79 | 78 | 77 | 68 | 74 | 84 | 90 | 85 | 90 | 83 | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 4 | 15 | 47 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 6 | |
| PR | MEAN STATION PRESS. (IN.) | 30.03 | 30.00 | 29.91 | 29.94 | 29.85 | 29.80 | 29.79 | 29.75 | 29.70 | 29.90 | 29.92 | 30.08 | 29.89 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.25 | 30.22 | 30.13 | 30.16 | 30.07 | 30.02 | 30.01 | 29.97 | 29.92 | 30.12 | 30.14 | 30.30 | 30.11 | |
| WINDS | RESULTANT SPEED (MPH) | 2.3 | 4.2 | 1.4 | 2.2 | 1.7 | 1.5 | 4.9 | 1.4 | 2.9 | 0.2 | 2.1 | 0.7 | 1.0 | |
| | RES. DIR. (TENS OF DEGS.) | 17 | 18 | 21 | 23 | 22 | 31 | 35 | 31 | 19 | 01 | 19 | 18 | 22 | |
| | MEAN SPEED (MPH) | 4.3 | 6.1 | 4.2 | 6.0 | 6.5 | 5.3 | 6.4 | 4.4 | 6.0 | 3.2 | 5.2 | 4.6 | 5.2 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 17 | 17 | 18 | 18 | 18 | 35 | 34 | 34 | 18 | 17 | 18 | 17 | 34 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 28 | 30 | 28 | 29 | 24 | 20 | 18 | 21 | 31 | 23 | 28 | 26 | 31 | |
| | DIR. (TENS OF DEGS.) | 16 | 17 | 26 | 19 | 21 | 26 | 01 | 19 | 19 | 36 | 18 | 18 | 19 | |
| | DATE OF OCCURRENCE | 09 | 22 | 20 | 07 | 29 | 17 | 15 | 29 | 22 | 27 | 18 | 20 | SEP 22 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 38 | 41 | 37 | 41 | 33 | 26 | 28 | 29 | 47 | 29 | 36 | 36 | 47 | | |
| DIR. (TENS OF DEGS.) | 17 | 16 | 26 | 17 | 26 | 34 | 03 | 35 | 19 | 36 | 18 | 18 | 19 | | |
| DATE OF OCCURRENCE | 09 | 22 | 20 | 07 | 13 | 10 | 29 | 20 | 29 | 27 | 18 | 20 | SEP 29 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.63 | 1.42 | 2.21 | 2.39 | 2.94 | 1.02 | 0.00 | 0.35 | 7.05 | 0.63 | 2.68 | 1.27 | 23.59 | |
| | GREATEST 24-HOUR (IN.) | 0.34 | 0.50 | 1.22 | 0.73 | 0.73 | 0.44 | 0.00 | 0.19 | 2.26 | 0.22 | 0.99 | 0.80 | 2.26 | |
| | DATE OF OCCURRENCE | 24-25 | 22-23 | 19-20 | 05-06 | 21 | 25-26 | | 28-29 | 28-29 | 02 | 18-19 | 01-02 | SEP 28-29 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 13 | 13 | 10 | 12 | 15 | 8 | 0 | 6 | 12 | 6 | 14 | 10 | 119 | |
| PRECIPITATION 0.10 | 7 | 6 | 5 | 8 | 9 | 5 | 0 | 1 | 10 | 2 | 6 | 3 | 62 | | |
| PRECIPITATION 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN.) | | | | | | | | | | | | | | |
| DATE OF OCCURRENCE | | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES SALEM (KSLE)

LATITUDE: 44° 54'N LONGITUDE: 123° 0'W ELEVATION (FT): GRND: 205 BARO: 198 TIME ZONE: PACIFIC (UTC -8) WBAN: 24232

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 47.7 | 51.6 | 56.5 | 61.1 | 67.8 | 73.9 | 82.0 | 82.4 | 76.8 | 64.1 | 52.6 | 46.2 | 63.6 |
| | MEAN DAILY MAXIMUM | 120 | 45.7 | 48.0 | 55.1 | 60.3 | 67.0 | 72.6 | 81.6 | 80.4 | 74.0 | 63.8 | 51.5 | 46.4 | 62.2 |
| | HIGHEST DAILY MAXIMUM | 76 | 65 | 72 | 80 | 88 | 100 | 105 | 108 | 108 | 104 | 93 | 74 | 68 | 108 |
| | YEAR OF OCCURRENCE | | 1984 | 1968 | 1947 | 1957 | 1983 | 1992 | 1941 | 1981 | 1988 | 1970 | 2010 | 1993 | AUG 1981 |
| | MEAN OF EXTREME MAXS. | 121 | 58.0 | 62.5 | 68.0 | 76.5 | 85.5 | 91.2 | 97.3 | 96.4 | 92.6 | 79.5 | 63.8 | 58.6 | 77.5 |
| | NORMAL DAILY MINIMUM | 30 | 34.7 | 34.6 | 37.2 | 39.6 | 44.7 | 49.3 | 53.1 | 52.8 | 48.4 | 42.3 | 38.4 | 34.0 | 42.4 |
| | MEAN DAILY MINIMUM | 121 | 33.0 | 33.3 | 36.7 | 39.0 | 43.9 | 48.3 | 52.0 | 51.6 | 47.3 | 42.5 | 37.4 | 34.6 | 41.6 |
| | LOWEST DAILY MINIMUM | 76 | -10 | -4 | 12 | 23 | 25 | 32 | 37 | 36 | 26 | 20 | 9 | -12 | -12 |
| | YEAR OF OCCURRENCE | | 1950 | 1950 | 1971 | 1968 | 1954 | 1976 | 1962 | 1980 | 1972 | 2002 | 1955 | 1972 | DEC 1972 |
| | MEAN OF EXTREME MINS. | 121 | 19.4 | 21.4 | 26.1 | 29.1 | 33.3 | 39.6 | 43.4 | 43.9 | 37.9 | 30.3 | 24.6 | 20.1 | 30.8 |
| | NORMAL DRY BULB | 30 | 41.2 | 43.1 | 46.9 | 50.4 | 56.2 | 61.6 | 67.6 | 67.6 | 62.6 | 53.2 | 45.5 | 40.1 | 53.0 |
| | MEAN DRY BULB | 120 | 39.5 | 40.7 | 46.0 | 49.6 | 55.5 | 60.5 | 66.8 | 66.0 | 60.7 | 53.1 | 44.5 | 40.5 | 52.0 |
| | MEAN WET BULB | 30 | 38.6 | 39.3 | 42.4 | 45.0 | 49.3 | 53.4 | 56.9 | 57.0 | 53.8 | 48.3 | 42.9 | 37.7 | 47.1 |
| | MEAN DEW POINT | 30 | 37.5 | 37.6 | 40.5 | 43.2 | 47.4 | 51.0 | 54.2 | 54.2 | 51.0 | 46.6 | 41.8 | 36.6 | 45.1 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.5 | 5.4 | 5.4 | 2.0 | 0.0 | 0.0 | 0.0 | 14.6 |
| | MAXIMUM <= 32 | 30 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 1.3 |
| MINIMUM <= 32 | 30 | 11.1 | 10.1 | 6.4 | 2.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 1.3 | 5.9 | 12.0 | 49.6 | |
| MINIMUM <= 0 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 738 | 613 | 563 | 440 | 280 | 130 | 30 | 26 | 109 | 367 | 585 | 772 | 4653 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 9 | 28 | 109 | 106 | 37 | 1 | 0 | 0 | 290 |
| RH | NORMAL (PERCENT) | 30 | 84 | 81 | 77 | 74 | 72 | 68 | 63 | 64 | 68 | 78 | 85 | 85 | 75 |
| | HOURLY 04 LST | 30 | 87 | 88 | 88 | 88 | 88 | 87 | 85 | 86 | 87 | 90 | 90 | 89 | 88 |
| | HOURLY 10 LST | 30 | 84 | 81 | 76 | 70 | 66 | 62 | 57 | 59 | 63 | 76 | 85 | 86 | 72 |
| | HOURLY 16 LST | 30 | 75 | 69 | 61 | 57 | 54 | 49 | 41 | 40 | 44 | 58 | 76 | 80 | 59 |
| | HOURLY 22 LST | 30 | 86 | 85 | 82 | 80 | 77 | 74 | 68 | 69 | 75 | 85 | 88 | 87 | 80 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI) | 50 | 6.0 | 3.6 | 1.6 | 0.8 | 0.3 | 0.1 | 0.0 | 0.2 | 1.4 | 6.3 | 5.9 | 6.4 | 32.6 |
| | THUNDERSTORMS | 66 | 0.1 | 0.1 | 0.2 | 0.5 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 0.4 | 0.2 | 0.1 | 4.9 |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: CLEAR | 1 | 1.0 | 5.0 | 2.0 | | 4.0 | 1.0 | | | | | | | |
| | PARTLY CLOUDY | | | 1.0 | 1.0 | | | 1.0 | | | | | | | |
| 1 | 2.0 | 2.0 | 9.0 | | 6.0 | | | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 30 | 29.88 | 29.84 | 29.83 | 29.84 | 29.83 | 29.82 | 29.82 | 29.79 | 29.80 | 29.85 | 29.86 | 29.88 | 29.84 |
| | MEAN SEA-LEVEL PRES. (IN) | 30 | 30.10 | 30.06 | 30.05 | 30.06 | 30.05 | 30.04 | 30.03 | 30.01 | 30.01 | 30.07 | 30.08 | 30.10 | 30.06 |
| WINDS | MEAN SPEED (MPH) | 30 | 7.0 | 6.9 | 7.3 | 6.9 | 6.4 | 6.4 | 6.5 | 6.0 | 5.5 | 5.6 | 7.1 | 7.0 | 6.6 |
| | PREVAIL. DIR. (TENS OF DEGS) | 35 | 19 | 19 | 19 | 19 | 19 | 36 | 36 | 36 | 36 | 19 | 19 | 19 | 19 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 18 | 43 | 38 | 43 | 44 | 31 | 31 | 31 | 25 | 34 | 34 | 49 | 39 | 49 |
| | DIR. (TENS OF DEGS) | | 17 | 17 | 18 | 18 | 23 | 12 | 34 | 18 | 19 | 17 | 17 | 20 | 17 |
| | YEAR OF OCCURRENCE | | 2010 | 1999 | 2012 | 2010 | 2012 | 2009 | 2007 | 2004 | 1997 | 1999 | 1998 | 2006 | NOV 1998 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 18 | 60 | 53 | 56 | 54 | 41 | 39 | 45 | 45 | 48 | 44 | 68 | 54 | 68 |
| | DIR. (TENS OF DEGS) | | 16 | 21 | 20 | 17 | 27 | 12 | 28 | 02 | 15 | 17 | 18 | 17 | 18 |
| | YEAR OF OCCURRENCE | | 2000 | 2011 | 2012 | 2010 | 2011 | 2009 | 2007 | 2011 | 2010 | 1999 | 1998 | 2007 | NOV 1998 |
| PRECIPITATION | NORMAL (IN) | 30 | 5.96 | 4.56 | 3.99 | 2.81 | 2.22 | 1.55 | 0.46 | 0.45 | 1.28 | 3.03 | 6.50 | 6.86 | 39.67 |
| | MAXIMUM MONTHLY (IN) | 76 | 15.40 | 13.01 | 9.98 | 5.72 | 5.56 | 4.19 | 2.63 | 4.17 | 7.05 | 11.17 | 15.23 | 15.01 | 15.40 |
| | YEAR OF OCCURRENCE | | 1953 | 1996 | 2012 | 1996 | 1998 | 1984 | 1983 | 1968 | 2013 | 1947 | 1973 | 1996 | JAN 1953 |
| | MINIMUM MONTHLY (IN) | 76 | 0.24 | .49 | 0.87 | 0.39 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.12 | 0.84 | 1.26 | 0.00 |
| | YEAR OF OCCURRENCE | | 1985 | 2005 | 1965 | 1939 | 1992 | 1951 | 1967 | 1988 | 1975 | 1988 | 1939 | 1976 | AUG 1988 |
| | MAXIMUM IN 24 HOURS (IN) | 76 | 3.30 | 3.16 | 3.03 | 2.22 | 2.23 | 1.81 | 1.92 | 1.25 | 2.26 | 4.08 | 4.44 | 3.12 | 4.44 |
| | YEAR OF OCCURRENCE | | 2012 | 1949 | 1943 | 1971 | 1991 | 1993 | 1987 | 1943 | 2013 | 1994 | 1996 | 1987 | NOV 1996 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 17.7 | 15.0 | 17.0 | 14.4 | 11.9 | 8.4 | 2.9 | 3.1 | 6.1 | 11.5 | 18.1 | 18.2 | 144.3 |
| | PRECIPITATION >= 1.00 | 30 | 1.0 | 0.7 | 0.4 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.3 | 1.5 | 1.7 | 6.2 |
| SNOWFALL | NORMAL (IN) | 30 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.0 | 6.2 |
| | MAXIMUM MONTHLY (IN) | 58 | 32.8 | 14.1 | 10.9 | 0.1 | T | 0.0 | 0.0 | 0.0 | T | T | 6.1 | 14.6 | 32.8 |
| | YEAR OF OCCURRENCE | | 1950 | 1993 | 1951 | 1972 | 1988 | | | | 1981 | 1990 | 1977 | 1972 | JAN 1950 |
| | MAXIMUM IN 24 HOURS (IN) | 58 | 10.8 | 12.0 | 8.5 | 0.1 | T | 0.0 | 0.0 | 0.0 | T | T | 6.1 | 9.4 | 12.0 |
| | YEAR OF OCCURRENCE | | 1943 | 1993 | 1960 | 1972 | 1988 | | | | 1981 | 1990 | 1977 | 1972 | FEB 1993 |
| | MAXIMUM SNOW DEPTH (IN) | 48 | 12 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 12 |
| | YEAR OF OCCURRENCE | | 1969 | 1993 | 1960 | | | | | | | | 1977 | 1972 | JAN 1969 |
| | NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 0.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.7 |

PRECIPITATION (inches) 2013 SALEM (KSLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|-------|-------|------|------|------|------|------|------|------|------|-------|-------|--------|
| 1984 | 2.34 | 5.50 | 4.40 | 3.74 | 3.32 | 4.19 | 0.03 | T | 1.19 | 4.31 | 12.70 | 3.71 | 45.43 |
| 1985 | 0.24 | 3.44 | 3.80 | 0.93 | 0.65 | 2.42 | 0.32 | 0.20 | 1.25 | 3.17 | 4.81 | 2.51 | 23.74 |
| 1986 | 6.25 | 8.26 | 2.89 | 1.30 | 2.22 | 0.42 | 1.23 | T | 3.12 | 2.71 | 7.24 | 3.86 | 39.50 |
| 1987 | 7.67 | 3.52 | 3.98 | 2.36 | 1.52 | 0.26 | 2.51 | 0.15 | 0.14 | 0.47 | 3.00 | 10.92 | 36.50 |
| 1988 | 6.78 | 0.75 | 3.34 | 3.56 | 2.39 | 1.97 | 0.03 | 0.00 | 0.98 | 0.12 | 9.50 | 3.23 | 32.65 |
| 1989 | 3.57 | 2.79 | 6.47 | 1.06 | 1.08 | 1.03 | 0.77 | 0.48 | 1.03 | 2.50 | 3.09 | 3.95 | 27.82 |
| 1990 | 8.51 | 5.31 | 2.39 | 1.67 | 1.94 | 1.09 | 0.47 | 0.85 | 0.42 | 5.63 | 4.91 | 2.82 | 36.01 |
| 1991 | 2.42 | 3.72 | 5.18 | 3.84 | 4.51 | 1.55 | 0.11 | 0.67 | 0.04 | 1.70 | 5.94 | 3.73 | 33.41 |
| 1992 | 4.76 | 4.46 | 0.89 | 4.35 | 0.05 | 1.12 | 0.50 | 0.38 | 0.70 | 3.52 | 4.84 | 7.83 | 33.40 |
| 1993 | 4.77 | 1.61 | 5.12 | 5.64 | 3.59 | 3.17 | 1.05 | 0.40 | 0.01 | 1.11 | 1.26 | 6.84 | 34.57 |
| 1994 | 4.28 | 4.21 | 2.56 | 2.16 | 1.61 | 1.14 | T | 0.05 | 1.64 | 7.96 | 7.09 | 4.91 | 37.61 |
| 1995 | 8.63 | 4.35 | 4.44 | 4.41 | 1.29 | 1.48 | 0.36 | 1.29 | 1.81 | 4.07 | 9.07 | 7.28 | 48.48 |
| 1996 | 8.26 | 13.01 | 3.08 | 5.72 | 3.21 | 0.74 | .90 | .20 | 1.94 | 4.78 | 10.11 | 15.01 | 66.96 |
| 1997 | 9.07 | 2.08 | 7.32 | 3.41 | 2.71 | 1.86 | 0.36 | 1.13 | 3.81 | 6.45 | 4.40 | 3.16 | 45.76 |
| 1998 | 9.06 | 6.18 | 4.96 | 1.63 | 5.56 | 0.98 | 0.10 | 0.04 | 0.68 | 2.52 | 11.70 | 8.66 | 52.07 |
| 1999 | 9.61 | 11.40 | 5.06 | 1.35 | 1.90 | 1.43 | 0.15 | 0.68 | 0.09 | 2.44 | 7.26 | 5.38 | 46.75 |
| 2000 | 7.05 | 6.92 | 2.98 | 1.29 | 1.56 | 0.71 | 0.09 | 0.03 | 0.75 | 2.40 | 2.53 | 3.62 | 29.93 |
| 2001 | 1.81 | 1.22 | 2.82 | 2.49 | 1.45 | 1.89 | 0.24 | 0.78 | 0.57 | 3.35 | 9.02 | 8.03 | 33.67 |
| 2002 | 8.93 | 3.54 | 4.47 | 1.77 | 1.35 | 1.22 | 0.07 | 0.02 | 0.98 | 0.47 | 3.84 | 11.20 | 37.86 |
| 2003 | 7.38 | 2.78 | 4.79 | 5.54 | 1.74 | 0.62 | T | 0.03 | 0.94 | 2.47 | 4.99 | 10.42 | 41.70 |
| 2004 | 6.65 | 5.10 | 1.43 | 2.13 | 2.06 | 1.78 | 0.09 | 1.04 | 2.08 | 3.30 | 2.14 | 3.89 | 31.69 |
| 2005 | 1.43 | 0.49 | 4.15 | 2.82 | 4.65 | 1.90 | 0.21 | 0.05 | 2.33 | 2.70 | 6.04 | 11.52 | 38.29 |
| 2006 | 13.37 | 2.12 | 4.17 | 2.46 | 2.88 | 0.65 | 0.07 | T | 0.54 | 0.65 | 15.15 | 7.35 | 49.41 |
| 2007 | 3.92 | 5.33 | 2.35 | 2.29 | 1.27 | 0.78 | 0.34 | 0.72 | 2.76 | 4.24 | 3.75 | 8.25 | 36.00 |
| 2008 | 8.34 | 1.89 | 3.54 | 1.97 | 0.43 | 0.74 | T | 1.28 | 0.41 | 0.96 | 3.59 | 6.02 | 29.17 |
| 2009 | 3.56 | 2.90 | 3.03 | 1.35 | 3.03 | 1.39 | 0.68 | 0.18 | 1.20 | 2.61 | 8.02 | 6.14 | 34.09 |
| 2010 | 5.85 | 4.07 | 5.20 | 4.35 | 3.47 | 2.64 | 0.04 | 0.20 | 2.07 | 5.22 | 6.44 | 9.95 | 49.50 |
| 2011 | 3.25 | 4.31 | 7.16 | 4.15 | 3.40 | 0.98 | 0.74 | 0.11 | 0.35 | 2.15 | 5.96 | 3.32 | 35.88 |
| 2012 | 11.29 | 4.14 | 9.98 | 3.08 | 2.31 | 2.20 | 0.07 | T | 0.04 | 5.94 | 8.92 | 7.40 | 55.37 |
| 2013 | 1.63 | 1.42 | 2.21 | 2.39 | 2.94 | 1.02 | 0.00 | 0.35 | 7.05 | 0.63 | 2.68 | 1.27 | 23.59 |
| POR= 121 YRS | 6.05 | 4.67 | 4.18 | 2.55 | 2.09 | 1.33 | 0.39 | 0.52 | 1.56 | 3.19 | 6.08 | 6.66 | 39.27 |

WBAN : 24232

AVERAGE TEMPERATURE (°F) 2013 SALEM (KSLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1984 | 43.2 | 44.2 | 48.7 | 47.8 | 52.9 | 57.4 | 65.4 | 66.8 | 61.3 | 51.4 | 44.4 | 37.5 | 51.8 |
| 1985 | 34.3 | 39.6 | 42.8 | 51.4 | 55.2 | 61.2 | 70.2 | 65.4 | 58.4 | 51.2 | 37.3 | 33.3 | 50.0 |
| 1986 | 43.2 | 44.4 | 50.2 | 48.4 | 55.3 | 64.2 | 63.5 | 69.9 | 59.0 | 53.7 | 46.7 | 39.6 | 53.2 |
| 1987 | 39.5 | 43.8 | 47.3 | 51.9 | 58.1 | 64.0 | 64.9 | 67.8 | 62.7 | 56.1 | 46.9 | 38.9 | 53.5 |
| 1988 | 39.4 | 43.3 | 45.6 | 51.1 | 53.7 | 60.5 | 66.8 | 65.8 | 62.3 | 56.6 | 46.8 | 40.5 | 52.7 |
| 1989 | 41.6 | 34.8 | 46.4 | 54.6 | 56.2 | 63.3 | 64.6 | 64.9 | 63.1 | 53.0 | 47.4 | 39.6 | 52.5 |
| 1990 | 42.8 | 41.3 | 47.8 | 52.8 | 55.2 | 62.3 | 69.6 | 69.1 | 64.9 | 51.2 | 46.9 | 34.4 | 53.2 |
| 1991 | 39.5 | 48.7 | 44.6 | 49.2 | 53.1 | 57.9 | 68.0 | 67.8 | 65.4 | 54.3 | 47.3 | 41.6 | 53.1 |
| 1992 | 44.1 | 47.6 | 50.5 | 53.8 | 60.8 | 65.8 | 68.9 | 68.2 | 62.0 | 55.1 | 46.1 | 39.2 | 55.2 |
| 1993 | 36.4 | 39.4 | 49.1 | 52.3 | 60.5 | 61.3 | 63.2 | 67.2 | 63.3 | 56.5 | 40.5 | 41.1 | 52.6 |
| 1994 | 44.3 | 43.0 | 50.2 | 53.2 | 59.2 | 61.7 | 69.1 | 67.1 | 65.2 | 52.7 | 41.7 | 42.3 | 54.1 |
| 1995 | 44.5 | 46.5 | 47.5 | 50.0 | 59.0 | 62.6 | 68.5 | 65.1 | 64.7 | 52.4 | 51.1 | 42.3 | 54.5 |
| 1996 | 41.9 | 42.2 | 47.3 | 51.9 | 53.1 | 60.9 | 70.3 | 67.8 | 60.0 | 52.4 | 45.2 | 42.5 | 53.0 |
| 1997 | 40.9 | 42.3 | 46.4 | 49.5 | 60.4 | 60.5 | 67.0 | 69.8 | 64.1 | 52.0 | 48.0 | 39.5 | 53.4 |
| 1998 | 44.0 | 45.5 | 47.3 | 50.5 | 54.6 | 61.3 | 69.6 | 69.0 | 64.5 | 52.4 | 47.7 | 39.9 | 53.9 |
| 1999 | 41.8 | 43.1 | 44.7 | 49.3 | 53.3 | 59.9 | 66.1 | 67.9 | 63.3 | 53.9 | 49.4 | 42.6 | 52.9 |
| 2000 | 40.1 | 44.0 | 44.3 | 51.3 | 55.8 | 63.6 | 66.0 | 65.6 | 62.2 | 53.2 | 41.3 | 40.6 | 52.3 |
| 2001 | 40.6 | 41.8 | 46.7 | 47.9 | 57.3 | 58.6 | 66.1 | 67.2 | 63.6 | 52.6 | 47.6 | 41.2 | 52.6 |
| 2002 | 41.1 | 43.3 | 43.8 | 50.4 | 54.0 | 62.0 | 68.8 | 67.1 | 63.2 | 52.1 | 46.4 | 43.2 | 53.0 |
| 2003 | 44.9 | 43.6 | 49.0 | 49.5 | 55.8 | 64.1 | 70.2 | 68.8 | 64.8 | 56.9 | 43.7 | 41.7 | 54.4 |
| 2004 | 39.5 | 43.6 | 49.2 | 52.6 | 56.8 | 63.1 | 70.0 | 70.1 | 60.6 | 54.3 | 43.8 | 42.5 | 53.8 |
| 2005 | 41.8 | 41.4 | 48.6 | 50.2 | 57.9 | 59.7 | 68.9 | 68.9 | 60.6 | 54.2 | 42.5 | 39.8 | 52.9 |
| 2006 | 44.4 | 41.5 | 44.6 | 50.9 | 57.1 | 64.3 | 69.8 | 67.4 | 63.4 | 52.0 | 46.9 | 39.6 | 53.5 |
| 2007 | 38.1 | 44.3 | 49.0 | 49.8 | 56.7 | 61.1 | 69.9 | 67.3 | 61.3 | 51.5 | 43.7 | 40.1 | 52.7 |
| 2008 | 37.1 | 43.1 | 43.3 | 46.5 | 57.4 | 59.3 | 68.1 | 67.7 | 63.1 | 51.8 | 47.8 | 37.1 | 51.9 |
| 2009 | 39.7 | 41.1 | 44.2 | 49.4 | 57.3 | 63.9 | 71.2 | 68.3 | 64.4 | 53.4 | 46.9 | 37.2 | 53.1 |
| 2010 | 46.3 | 46.3 | 47.2 | 49.7 | 54.4 | 60.0 | 67.5 | 67.4 | 63.7 | 54.6 | 45.4 | 43.9 | 53.9 |
| 2011 | 42.3 | 41.0 | 47.0 | 47.5 | 53.6 | 60.8 | 65.9 | 69.1 | 66.6 | 54.5 | 45.1 | 38.8 | 52.7 |
| 2012 | 42.1 | 42.7 | 43.9 | 51.6 | 55.8 | 59.9 | 66.9 | 69.6 | 64.2 | 55.1 | 47.7 | 42.3 | 53.5 |
| 2013 | 37.1 | 43.6 | 47.7 | 51.6 | 58.1 | 63.9 | 70.5 | 70.6 | 64.3 | 51.6 | 45.7 | 36.2 | 53.4 |
| POR= 120 YRS | 39.5 | 40.7 | 46.0 | 49.6 | 55.5 | 60.5 | 66.8 | 66.0 | 60.7 | 53.1 | 44.5 | 40.5 | 51.9 |

HEATING DEGREE DAYS (base 65°F) 2013 SALEM (KSLE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1984-85 | 44 | 12 | 124 | 418 | 610 | 846 | 947 | 706 | 684 | 403 | 299 | 132 | 5225 |
| 1985-86 | 5 | 51 | 196 | 423 | 824 | 975 | 668 | 574 | 452 | 494 | 324 | 82 | 5068 |
| 1986-87 | 64 | 3 | 210 | 345 | 542 | 779 | 781 | 586 | 544 | 389 | 237 | 89 | 4569 |
| 1987-88 | 54 | 16 | 92 | 272 | 536 | 803 | 788 | 622 | 595 | 411 | 346 | 145 | 4680 |
| 1988-89 | 47 | 41 | 125 | 264 | 538 | 752 | 716 | 841 | 570 | 308 | 267 | 90 | 4559 |
| 1989-90 | 44 | 39 | 81 | 367 | 523 | 779 | 682 | 658 | 527 | 363 | 297 | 103 | 4463 |
| 1990-91 | 14 | 16 | 43 | 419 | 535 | 939 | 784 | 449 | 624 | 464 | 360 | 210 | 4857 |
| 1991-92 | 10 | 32 | 61 | 329 | 524 | 717 | 641 | 498 | 443 | 332 | 152 | 56 | 3795 |
| 1992-93 | 12 | 22 | 108 | 303 | 558 | 792 | 881 | 711 | 486 | 373 | 150 | 117 | 4513 |
| 1993-94 | 60 | 32 | 93 | 257 | 729 | 734 | 632 | 610 | 452 | 349 | 179 | 114 | 4241 |
| 1994-95 | 21 | 7 | 50 | 379 | 691 | 699 | 630 | 514 | 537 | 443 | 188 | 118 | 4277 |
| 1995-96 | 21 | 42 | 46 | 385 | 409 | 698 | 707 | 654 | 545 | 387 | 363 | 122 | 4379 |
| 1996-97 | 24 | 28 | 152 | 387 | 588 | 690 | 739 | 630 | 568 | 458 | 160 | 130 | 4554 |
| 1997-98 | 17 | 0 | 65 | 395 | 503 | 783 | 644 | 538 | 542 | 434 | 318 | 113 | 4352 |
| 1998-99 | 11 | 9 | 77 | 384 | 512 | 770 | 713 | 606 | 625 | 461 | 358 | 170 | 4696 |
| 1999-00 | 45 | 26 | 95 | 336 | 460 | 687 | 764 | 601 | 634 | 405 | 279 | 88 | 4420 |
| 2000-01 | 35 | 43 | 111 | 356 | 708 | 752 | 748 | 642 | 559 | 508 | 248 | 192 | 4902 |
| 2001-02 | 28 | 18 | 83 | 378 | 515 | 730 | 735 | 602 | 650 | 430 | 335 | 124 | 4628 |
| 2002-03 | 13 | 38 | 83 | 393 | 551 | 670 | 618 | 593 | 489 | 456 | 286 | 89 | 4279 |
| 2003-04 | 6 | 4 | 69 | 251 | 630 | 717 | 781 | 614 | 482 | 367 | 251 | 95 | 4267 |
| 2004-05 | 10 | 4 | 127 | 325 | 629 | 689 | 709 | 658 | 499 | 437 | 229 | 160 | 4476 |
| 2005-06 | 12 | 7 | 141 | 329 | 672 | 772 | 630 | 651 | 627 | 411 | 254 | 76 | 4582 |
| 2006-07 | 18 | 23 | 84 | 395 | 537 | 780 | 827 | 573 | 488 | 449 | 259 | 132 | 4565 |
| 2007-08 | 1 | 11 | 134 | 409 | 633 | 764 | 857 | 628 | 664 | 550 | 275 | 205 | 5131 |
| 2008-09 | 14 | 38 | 92 | 402 | 508 | 853 | 779 | 661 | 640 | 460 | 251 | 58 | 4756 |
| 2009-10 | 19 | 23 | 66 | 355 | 535 | 854 | 575 | 516 | 542 | 452 | 323 | 153 | 4413 |
| 2010-11 | 36 | 35 | 76 | 319 | 582 | 648 | 697 | 663 | 549 | 517 | 345 | 134 | 4601 |
| 2011-12 | 20 | 9 | 47 | 320 | 591 | 806 | 700 | 642 | 646 | 396 | 282 | 159 | 4618 |
| 2012-13 | 25 | 9 | 67 | 299 | 514 | 698 | 855 | 592 | 533 | 397 | 211 | 79 | 4279 |
| 2013- | 2 | 3 | 87 | 413 | 573 | 887 | | | | | | | |

WBAN : 24232

COOLING DEGREE DAYS (base 65°F) 2013 SALEM (KSLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1984 | 0 | 0 | 0 | 0 | 1 | 10 | 64 | 73 | 19 | 5 | 0 | 0 | 172 |
| 1985 | 0 | 0 | 0 | 0 | 1 | 26 | 171 | 71 | 1 | 0 | 0 | 0 | 270 |
| 1986 | 0 | 0 | 0 | 0 | 28 | 64 | 25 | 159 | 34 | 0 | 0 | 0 | 310 |
| 1987 | 0 | 0 | 0 | 0 | 27 | 64 | 59 | 110 | 31 | 4 | 0 | 0 | 295 |
| 1988 | 0 | 0 | 0 | 0 | 3 | 16 | 108 | 75 | 48 | 10 | 0 | 0 | 260 |
| 1989 | 0 | 0 | 0 | 0 | 4 | 46 | 39 | 46 | 32 | 0 | 0 | 0 | 167 |
| 1990 | 0 | 0 | 0 | 0 | 1 | 31 | 165 | 153 | 46 | 0 | 0 | 0 | 396 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 1 | 111 | 127 | 78 | 0 | 0 | 0 | 317 |
| 1992 | 0 | 0 | 0 | 1 | 30 | 83 | 138 | 128 | 25 | 0 | 0 | 0 | 405 |
| 1993 | 0 | 0 | 0 | 0 | 17 | 11 | 10 | 108 | 51 | 1 | 0 | 0 | 198 |
| 1994 | 0 | 0 | 0 | 0 | 8 | 21 | 155 | 79 | 61 | 2 | 0 | 0 | 326 |
| 1995 | 0 | 0 | 0 | 0 | 9 | 52 | 139 | 53 | 41 | 0 | 0 | 0 | 294 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 6 | 194 | 119 | 9 | 4 | 0 | 0 | 332 |
| 1997 | 0 | 0 | 0 | 0 | 28 | 5 | 86 | 158 | 44 | 0 | 0 | 0 | 321 |
| 1998 | 0 | 0 | 0 | 4 | 3 | 7 | 163 | 140 | 68 | 0 | 0 | 0 | 385 |
| 1999 | 0 | 0 | 0 | 0 | 4 | 23 | 87 | 120 | 51 | 0 | 0 | 0 | 285 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 53 | 71 | 71 | 36 | 0 | 0 | 0 | 231 |
| 2001 | 0 | 0 | 0 | 0 | 17 | 8 | 68 | 90 | 46 | 0 | 0 | 0 | 229 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 40 | 139 | 111 | 35 | 0 | 0 | 0 | 325 |
| 2003 | 0 | 0 | 0 | 0 | 8 | 70 | 176 | 128 | 69 | 8 | 0 | 0 | 459 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 43 | 170 | 168 | 1 | 0 | 0 | 0 | 382 |
| 2005 | 0 | 0 | 0 | 0 | 17 | 8 | 139 | 137 | 15 | 0 | 0 | 0 | 316 |
| 2006 | 0 | 0 | 0 | 0 | 19 | 62 | 173 | 105 | 45 | 0 | 1 | 0 | 405 |
| 2007 | 0 | 0 | 0 | 0 | 8 | 23 | 159 | 90 | 31 | 0 | 0 | 0 | 311 |
| 2008 | 0 | 0 | 0 | 0 | 45 | 42 | 116 | 127 | 41 | 0 | 0 | 0 | 371 |
| 2009 | 0 | 0 | 0 | 0 | 20 | 29 | 218 | 132 | 55 | 0 | 0 | 0 | 454 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 11 | 121 | 116 | 43 | 0 | 0 | 0 | 291 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 15 | 57 | 143 | 101 | 0 | 0 | 0 | 316 |
| 2012 | 0 | 0 | 0 | 2 | 2 | 15 | 91 | 161 | 46 | 0 | 0 | 0 | 317 |
| 2013 | 0 | 0 | 0 | 0 | 10 | 53 | 176 | 188 | 75 | 0 | 0 | 0 | 502 |

SNOWFALL (inches) 2013 SALEM (KSLE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-------|
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 0.0 | T | 0.0 | T |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 6.1 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 2.9 | 2.2 | 0.6 | 0.0 | T | 0.0 | 0.0 | 7.2 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.8 | T | T | T | T | 0.0 | 1.8 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1981-82 | 0.0 | 0.0 | T | 0.0 | T | T | 4.4 | 0.6 | T | T | 0.0 | 0.0 | 5.0 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 0.0 | T |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.3 | T | 0.0 | 0.0 | T | T | 0.0 | 4.3 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 4.6 | T | T | 0.0 | 0.0 | 4.9 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.5 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 12.1 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | T |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 1.0 | 0.0 | 0.0 | T | T | 0.0 | 6.8 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 8.9 | 0.7 | T | 0.0 | 0.0 | 9.6 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 |
| 1990-91 | 0.0 | 0.0 | 0.0 | T | 0.0 | 1.2 | T | 0.0 | 0.0 | T | 0.0 | 0.0 | 1.2 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 0.0 | T |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 10.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 32.0 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | T | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.9 | 0.1 | 3.1 | 0.0 | T | 0.0 | 0.0 | 5.1 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003-04 | | | | | | | | | | | | | |
| 2004-05 | | | | | | | | | | | | | |
| 2005- | | | | | | | | | | | | | |
| POR= 82 YRS | 0.0 | 0.0 | T | 0.1 | 0.2 | 1.8 | 3.2 | 1.6 | 0.4 | T | T | 0.0 | 7.3 |

WBAN : 24232

REFERENCE NOTES :

| | |
|---|---|
| <p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN</p> | <p>PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
|---|---|

2013 SALEM OREGON (KSLE)

Salem is located in the middle Willamette Valley some 60 airline miles east of the Pacific Ocean. The valley here is approximately 50 miles wide with the city about equidistant from the valley walls formed by the Coast Range on the west and the Cascade Range on the east.

The usual movement of very moist maritime air masses from the Pacific Ocean inland over the Coast Range produces, near its crest, some of the heaviest yearly rainfall in the United States. Annual totals of nearly 170 inches have been recorded in the mountains. From the ridge crest of the Coast Range, approximately 3,000 feet above sea level, there is a gradual decrease of rainfall downslope to the valley floor where annual totals are between 35 and 45 inches. As these marine conditioned air masses continue to move farther inland they are forced to ascend the west slopes of the Cascades to approximately 5,000 feet above sea level and again rainfall amounts substantially increase with elevation.

Most of this precipitation in both the valley and its bordering mountain ranges occurs during the winter. At Salem, 70 percent of the annual total occurs during the five months of November through March while only 6 percent occurs during the three summer months, with practically all of it falling in the form of rain. In the immediate area, there are only three or four days a year with measurable amounts of snow. Its depth on the ground rarely exceeds 2 or 3 inches, and it usually melts in a day or two. The few thunderstorms that occur each year are not generally severe and seldom do they, or the hail that occasionally accompanies them, cause any serious damage. A tornado in the immediate metropolitan area has never been recorded.

The seasonal difference in temperatures is much less marked than that of precipitation. There is a range of about 28 degrees between the temperature for January, the coldest month, and July, the warmest. Highs of 100 degrees or more seldom occur, and only in a few years since records began in 1892, have 0 degree or lower temperatures been observed. There is an average growing season of six and a half months.

The mild temperatures, long growing season, and plentiful supply of moisture are ideal for a wide variety of crops. In dollar value of agricultural returns, this is the most productive area in Oregon. Large orchards of sweet cherries are grown and processed here for maraschino cherries. Hops, filberts, walnuts, cane, and strawberries each contribute many millions of dollars to the annual farm income. A wide variety of vegetables is raised for both the fresh market and to support a large number of processing plants located in Salem. This climate is also suitable for the production of a number of specialty crops including mint, several seed crops, and nursery stock, particularly roses and ornamental shrubs.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 22 and the average last occurrence in the spring is May 5.

Station History

SALEM, OR

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|--------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| SALEM MCNARY FIELD | 1995-07-01 | 1995-11-01 | 44° 54' | -122° 59' | 196 | | ASOS, COOP |
| SALEM MCNARY FIELD | 1968-01-01 | 1978-01-01 | 44° 55' | -123° 1' | 200 | | COOP, WXSVC |
| SALEM MCNARY FIELD | 1982-01-01 | 1995-07-01 | 44° 55' | -123° 00' | 196 | | COOP |
| SALEM MCNARY FIELD | 2007-07-19 | Present | 44° 54' | -123° 0' | 205 | | ASOS, COOP |
| MCNARY FIELD | 1928-06-01 | 1928-08-06 | 44° 55' | -123° 00' | | | AIRWAYS |
| SALEM MCNARY FIELD | 1978-01-01 | 1981-12-31 | 44° 55' | -123° 00' | 197 | | COOP, WXSVC |
| SALEM MCNARY FIELD | 2003-08-01 | 2007-07-19 | 44° 54' | -123° 0' | 205 | 116 FT WSW | ASOS, COOP |
| SALEM AP | 1948-01-01 | 1950-07-18 | 44° 55' | -123° 00' | 210 | | AIRWAYS, COOP |
| SALEM MCNARY FIELD | 1998-01-01 | 2003-08-01 | 44° 54' | -122° 59' | 205 | | ASOS, COOP |
| SALEM AP | 1928-08-06 | 1948-01-01 | 44° 55' | -123° 00' | | | AIRWAYS |
| SALEM MCNARY FIELD | 1950-07-18 | 1951-01-01 | 44° 55' | -123° 00' | 210 | | AIRWAYS, COOP |
| SALEM MCNARY FIELD | 1981-12-31 | 1982-01-01 | 44° 55' | -123° 00' | 197 | | COOP |
| SALEM MCNARY FIELD | 1995-11-01 | 1998-01-01 | 44° 54' | -122° 59' | 205 | .6 MI ESE | ASOS, COOP |
| SALEM MCNARY FIELD | 1951-01-01 | 1968-01-01 | 44° 55' | -123° 1' | 200 | | AIRWAYS, COOP |

Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP | 1995-07-01 | 1995-11-01 | HOURLY | 2400 | UNIV | RCRD | |
| PRECIP | 1982-01-01 | 1993-09-21 | HOURLY | 2400 | | | |
| TEMP | 1993-09-21 | 1995-07-01 | DAILY | 2400 | HYGR | | |
| PRECIP | 1993-09-21 | 1995-07-01 | HOURLY | 2400 | | | |
| PRECIP | 1928-06-01 | 1982-01-01 | DAILY | 2400 | UNIV | RCRD | |
| PRECIP | 1995-11-01 | 2003-08-01 | DAILY | 2400 | TB | RCRD | |
| PRECIP | 2003-08-01 | Present | DAILY | 2400 | PCPNX | | |
| PRECIP | 2003-08-01 | Present | HOURLY | 2400 | TB | RCRD | |
| PRECIP | 1982-01-01 | 1993-09-21 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 1995-11-01 | 2003-08-01 | DAILY | 2400 | HYGR | | |
| TEMP | 1928-06-01 | 1982-01-01 | DAILY | 2400 | | | |
| PRECIP | 1993-09-21 | 1995-07-01 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 1982-01-01 | 1993-09-21 | DAILY | 2400 | | | |
| PRECIP | 1995-07-01 | 1995-11-01 | DAILY | 2400 | UNIV | RCRD | |
| PRECIP | 1995-11-01 | 2003-08-01 | HOURLY | 2400 | TB | RCRD | |
| TEMP | 1995-07-01 | 1995-11-01 | DAILY | 2400 | HYGR | | |
| TEMP | 2003-08-01 | Present | DAILY | 2400 | HYGR | | |

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov